Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
Data File : BG064232.D
Acq On : 29 Aug 2025 17:56
Operator : RC/JU
Sample : PB169464BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 19:01:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/02/2025
Supervised By :Jagrut Upadhyay 09/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.859	152	29875	20.000	ng		0.00
21) Naphthalene-d8	10.644	136	133534	20.000	ng		0.00
39) Acenaphthene-d10	14.481	164	97374	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	238877	20.000	ng		0.00
76) Chrysene-d12	21.455	240	248943	20.000	ng		0.00
86) Perylene-d12	24.463	264	270995	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.444	112	240703	144.550	ng		0.00
7) Phenol-d6	7.025	99	345106	150.854	ng		0.00
23) Nitrobenzene-d5	9.011	82	235026	98.158	ng		0.00
42) 2,4,6-Tribromophenol	15.973	330	189091	146.609	ng		0.00
45) 2-Fluorobiphenyl	13.106	172	594814	93.238	ng		0.00
79) Terphenyl-d14	19.839	244	1129852	94.691	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.359	88	25370	36.553	ng		98
3) Pyridine	3.741	79	72565	35.518	ng	#	57
4) n-Nitrosodimethylamine	3.658	42	60451	44.733	ng	#	90
6) Aniline	7.184	93	131382	41.530	ng		97
8) 2-Chlorophenol	7.425	128	105573	51.883	ng		99
9) Benzaldehyde	6.996	77	47584	25.275	ng		97
10) Phenol	7.054	94	135219	53.612	ng		97
11) bis(2-Chloroethyl)ether	7.284	93	88852	46.880	ng		97
12) 1,3-Dichlorobenzene	7.748	146	100945	46.631	ng		98
13) 1,4-Dichlorobenzene	7.889	146	102397	46.869	ng		96
14) 1,2-Dichlorobenzene	8.206	146	101450	48.114	ng		94
15) Benzyl Alcohol	8.094	79	106473	50.434	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.388	45	195235	45.118	ng		97
17) 2-Methylphenol	8.300	107	94131	50.076	ng		98
18) Hexachloroethane	8.940	117	38718	45.400	ng		91
19) n-Nitroso-di-n-propyla...	8.664	70	81966	46.815	ng		98
20) 3+4-Methylphenols	8.623	107	132396	50.689	ng		97
22) Acetophenone	8.676	105	170069	50.342	ng	#	96
24) Nitrobenzene	9.052	77	123026	49.178	ng		99
25) Isophorone	9.575	82	244766	49.187	ng		97
26) 2-Nitrophenol	9.757	139	56156	51.951	ng		93
27) 2,4-Dimethylphenol	9.822	122	112128	59.083	ng		97
28) bis(2-Chloroethoxy)met...	10.057	93	134614	50.169	ng		93
29) 2,4-Dichlorophenol	10.292	162	110264	55.065	ng		94
30) 1,2,4-Trichlorobenzene	10.509	180	107924	51.116	ng		97
31) Naphthalene	10.697	128	331504	47.874	ng		98
32) Benzoic acid	9.974	122	85566m	56.799	ng		
33) 4-Chloroaniline	10.803	127	88182	32.857	ng		97
34) Hexachlorobutadiene	10.985	225	70946	45.458	ng		88
35) Caprolactam	11.573	113	40744m	52.549	ng		
36) 4-Chloro-3-methylphenol	11.925	107	138799	53.424	ng		90
37) 2-Methylnaphthalene	12.307	142	228872	44.467	ng		97
38) 1-Methylnaphthalene	12.524	142	242101	47.622	ng		99
40) 1,2,4,5-Tetrachloroben...	12.677	216	134281	47.795	ng		98
41) Hexachlorocyclopentadiene	12.660	237	177787	133.145	ng		93
43) 2,4,6-Trichlorophenol	12.912	196	96153	51.203	ng		97

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.983	196	107981	53.009	ng		99
46) 1,1'-Biphenyl	13.318	154	354608	50.000	ng		98
47) 2-Chloronaphthalene	13.359	162	255620	47.942	ng		98
48) 2-Nitroaniline	13.559	65	99826	54.931	ng		98
49) Acenaphthylene	14.205	152	440885	55.938	ng		98
50) Dimethylphthalate	13.946	163	367327	49.838	ng		100
51) 2,6-Dinitrotoluene	14.058	165	78794	55.222	ng		93
52) Acenaphthene	14.546	154	268159	48.211	ng		97
53) 3-Nitroaniline	14.381	138	58866	39.385	ng		89
54) 2,4-Dinitrophenol	14.593	184	100887	106.226	ng		92
55) Dibenzofuran	14.880	168	434342	49.645	ng		98
56) 4-Nitrophenol	14.698	139	138825	113.230	ng		98
57) 2,4-Dinitrotoluene	14.845	165	122507	56.784	ng		92
58) Fluorene	15.533	166	362970	50.618	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.104	232	105416	53.804	ng		99
60) Diethylphthalate	15.309	149	393945	49.943	ng		99
61) 4-Chlorophenyl-phenyle...	15.527	204	176290	49.308	ng		99
62) 4-Nitroaniline	15.550	138	84272	55.255	ng		95
63) Azobenzene	15.821	77	368308	52.388	ng		98
65) 4,6-Dinitro-2-methylph...	15.609	198	73681	53.724	ng		96
66) n-Nitrosodiphenylamine	15.738	169	331753	50.485	ng		97
67) 4-Bromophenyl-phenylether	16.420	248	122796	48.399	ng		97
68) Hexachlorobenzene	16.531	284	136326	48.386	ng		98
69) Atrazine	16.690	200	135173	49.265	ng		97
70) Pentachlorophenol	16.878	266	177731	104.036	ng		93
71) Phenanthrene	17.266	178	621492	49.328	ng		97
72) Anthracene	17.354	178	629679	49.132	ng		99
73) Carbazole	17.624	167	574590	50.893	ng		99
74) Di-n-butylphthalate	18.194	149	685251	50.519	ng		99
75) Fluoranthene	19.275	202	743427	50.183	ng		99
77) Benzidine	19.457	184	261761	49.984	ng		99
78) Pyrene	19.634	202	756646	48.244	ng		99
80) Butylbenzylphthalate	20.533	149	308484	52.148	ng		97
81) Benzo(a)anthracene	21.432	228	783804	49.214	ng		99
82) 3,3'-Dichlorobenzidine	21.355	252	178200	34.356	ng		96
83) Chrysene	21.496	228	742884	48.587	ng		98
84) Bis(2-ethylhexyl)phtha...	21.361	149	453642	51.079	ng		99
85) Di-n-octyl phthalate	22.507	149	787591	50.895	ng		99
87) Indeno(1,2,3-cd)pyrene	27.859	276	919040	49.660	ng	#	96
88) Benzo(b)fluoranthene	23.517	252	772282m	50.494	ng		
89) Benzo(k)fluoranthene	23.576	252	781786	50.173	ng		97
90) Benzo(a)pyrene	24.322	252	742677	52.200	ng		98
91) Dibenzo(a,h)anthracene	27.918	278	760425	51.176	ng		98
92) Benzo(g,h,i)perylene	28.917	276	735508	50.869	ng		98

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

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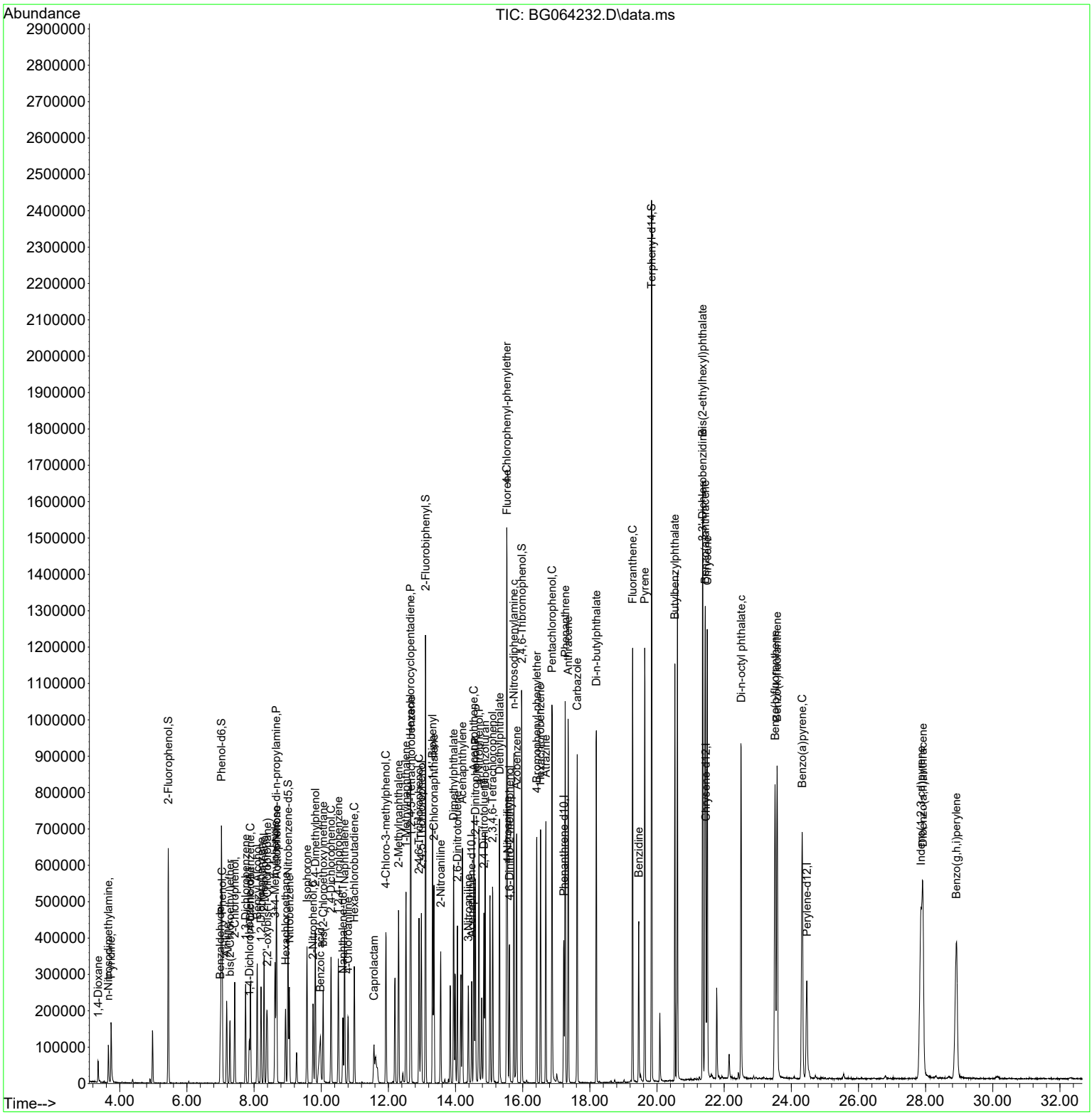
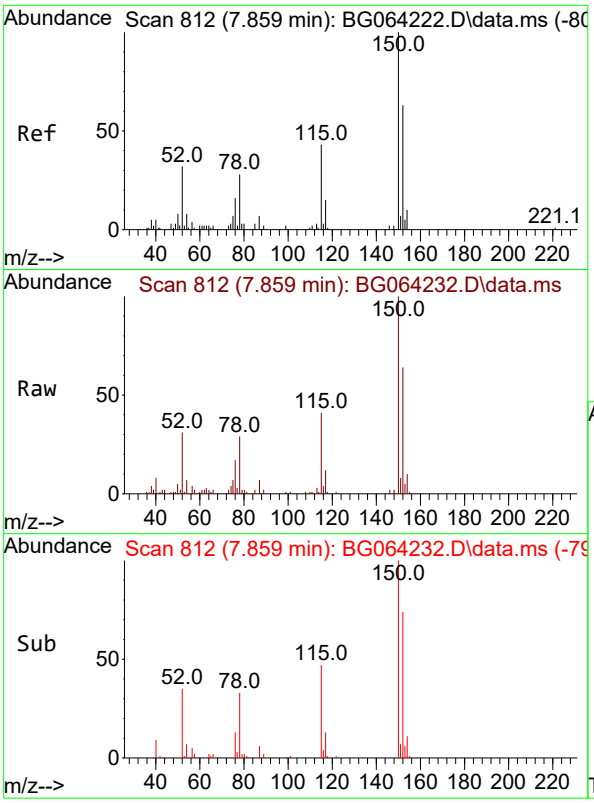
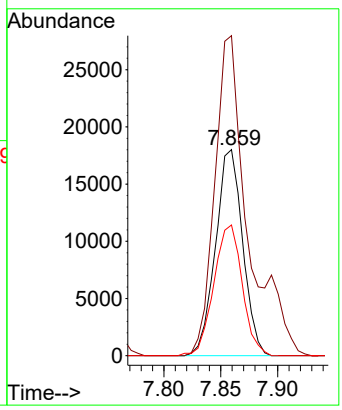




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.859 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:152 Resp: 2987

Ion	Ratio	Lower	Upper
152	100		
150	155.3	128.0	192.0
115	63.4	55.7	83.5



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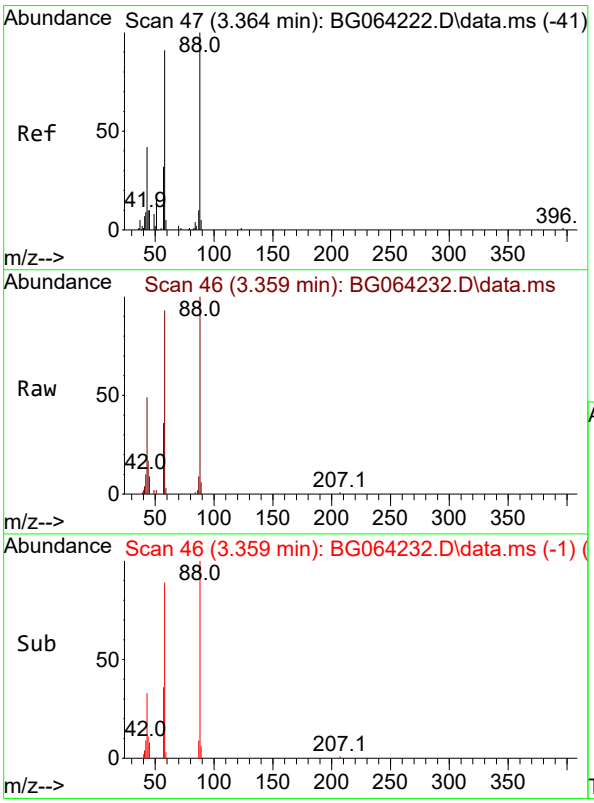
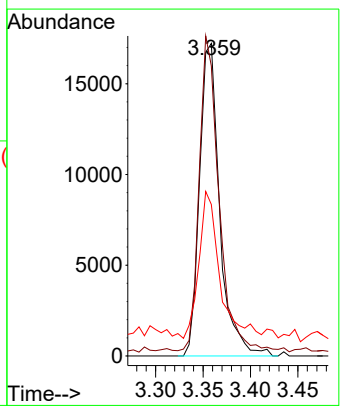
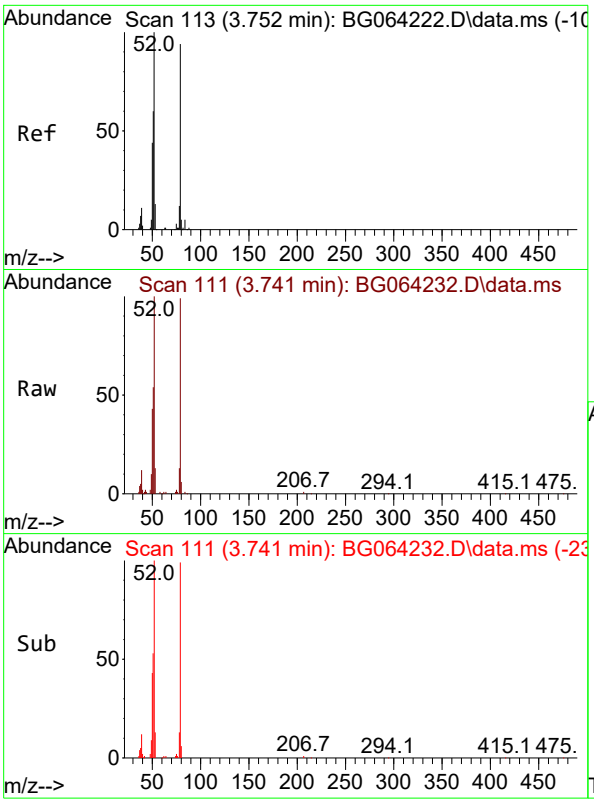


#2
1,4-Dioxane
Concen: 36.553 ng
RT: 3.359 min Scan# 46
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 88 Resp: 25370

Ion	Ratio	Lower	Upper
88	100		
58	100.1	80.8	121.2
43	48.5	40.3	60.5

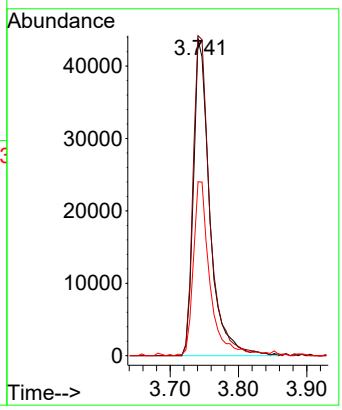




#3
Pyridine
Concen: 35.518 ng
RT: 3.741 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 79 Resp: 7256

Ion	Ratio	Lower	Upper
79	100		
52	101.1	86.6	129.8
51	55.0	114.1	171.1#



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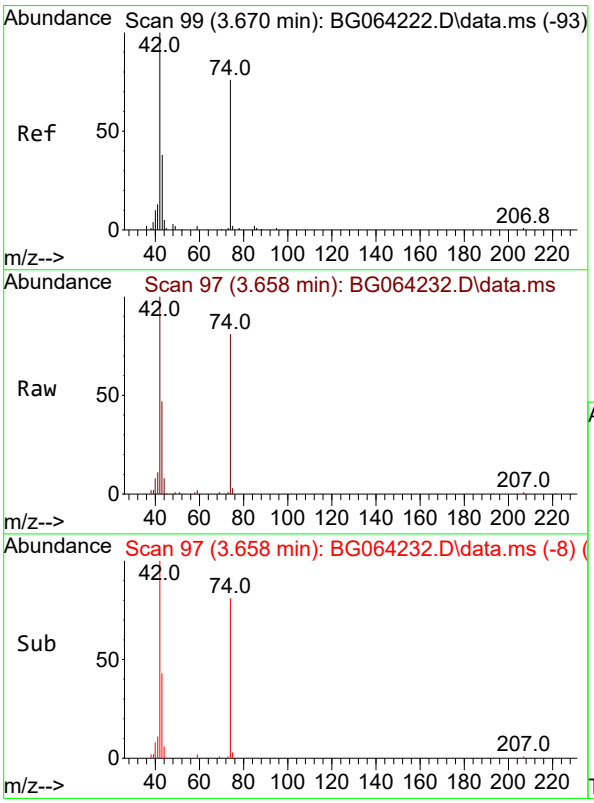
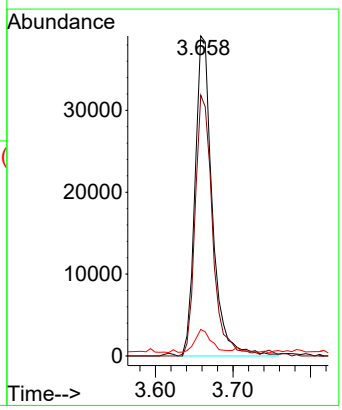
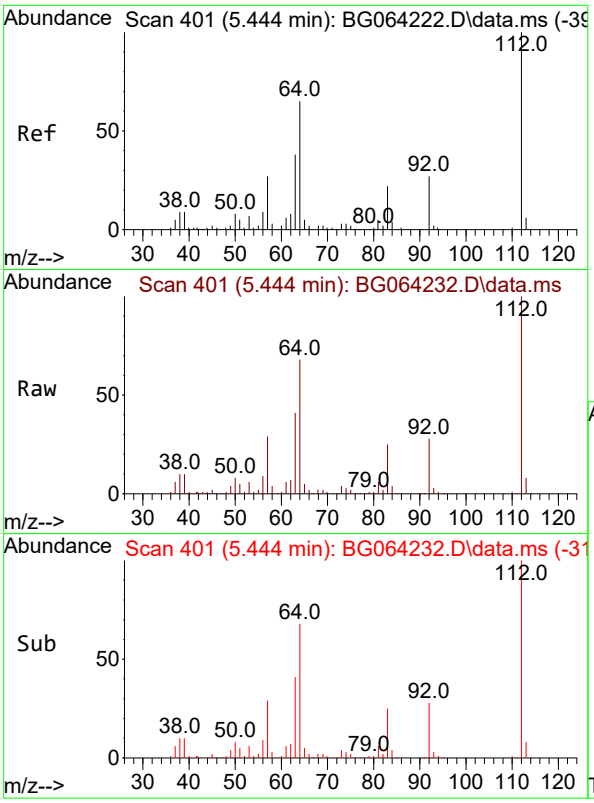


#4
n-Nitrosodimethylamine
Concen: 44.733 ng
RT: 3.658 min Scan# 97
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 42 Resp: 60451

Ion	Ratio	Lower	Upper
42	100		
74	81.5	58.0	87.0
44	8.3	5.5	8.3#

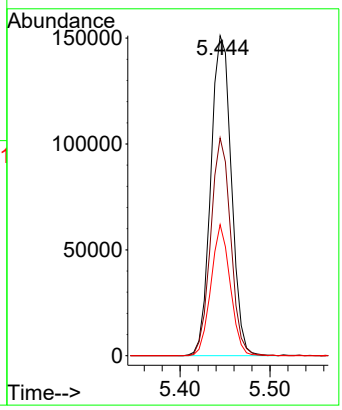




#5
2-Fluorophenol
Concen: 144.550 ng
RT: 5.444 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:112 Resp: 24070

Ion	Ratio	Lower	Upper
112	100		
64	68.0	51.8	77.6
63	41.0	30.6	45.8



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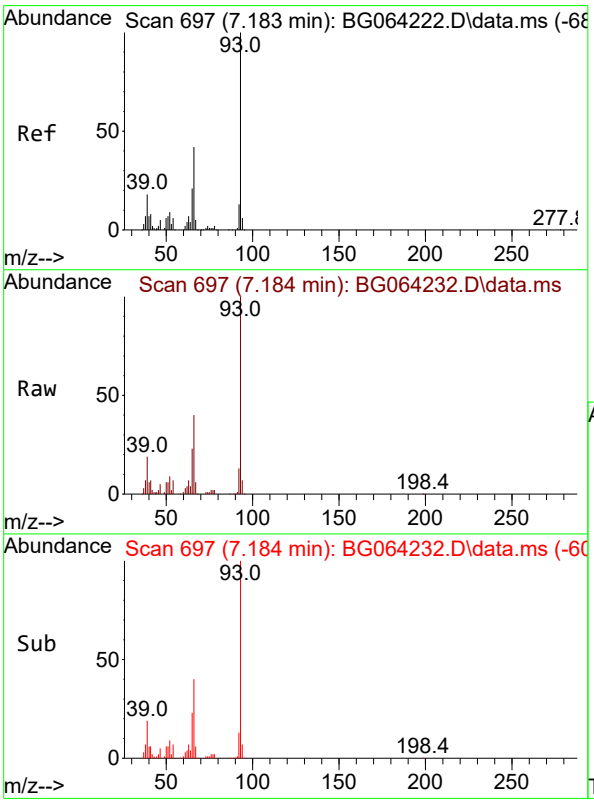
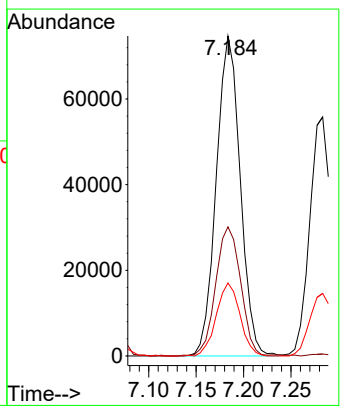
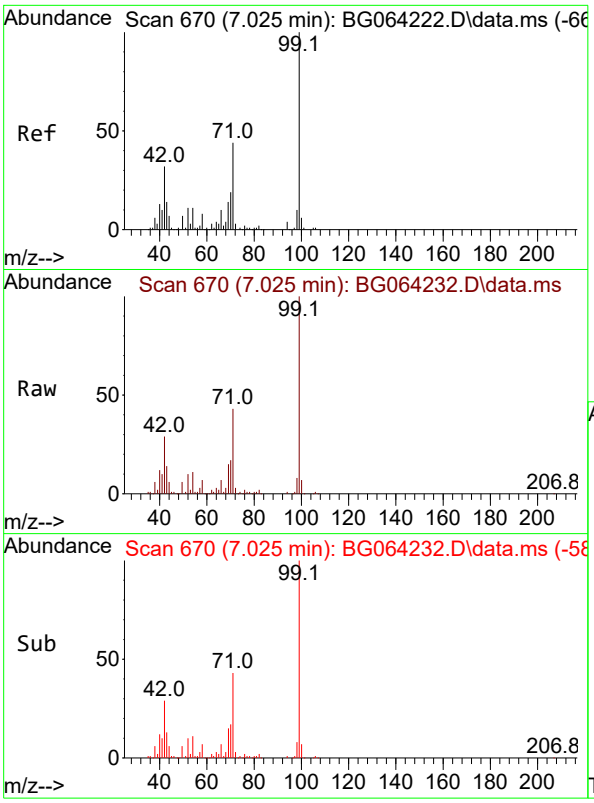


#6
Aniline
Concen: 41.530 ng
RT: 7.184 min Scan# 697
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 93 Resp: 131382

Ion	Ratio	Lower	Upper
93	100		
66	40.3	33.8	50.8
65	22.8	16.9	25.3

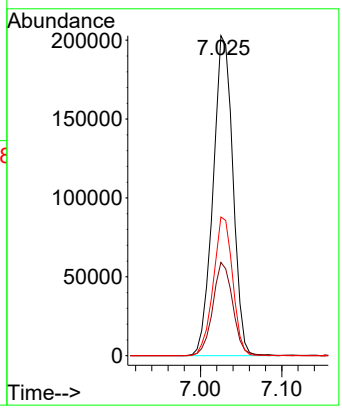




#7
Phenol-d6
Concen: 150.854 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 99 Resp: 34510

Ion	Ratio	Lower	Upper
99	100		
42	29.2	25.8	38.8
71	43.4	35.2	52.8



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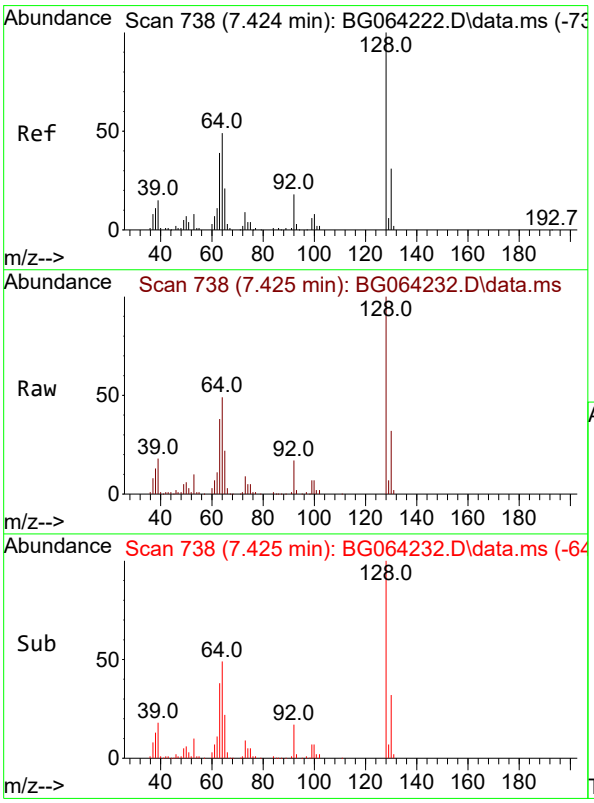
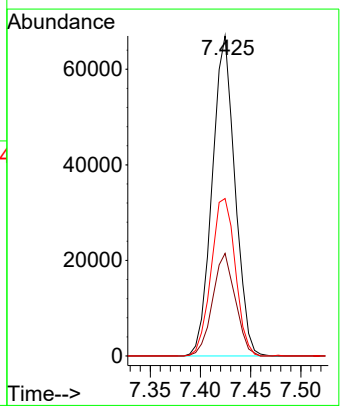
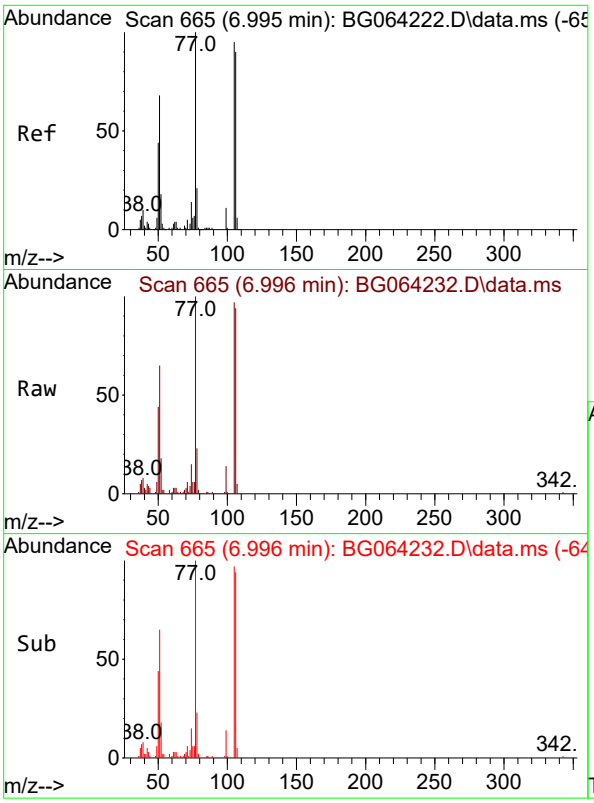


#8
2-Chlorophenol
Concen: 51.883 ng
RT: 7.425 min Scan# 738
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:128 Resp: 105573

Ion	Ratio	Lower	Upper
128	100		
130	32.0	10.9	50.9
64	49.2	28.7	68.7

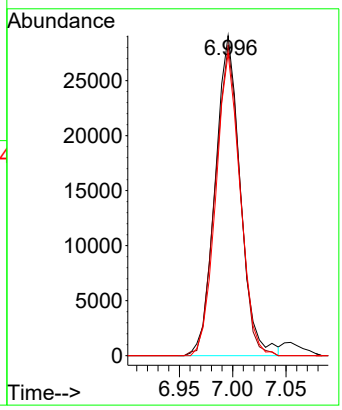




#9
Benzaldehyde
Concen: 25.275 ng
RT: 6.996 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 77 Resp: 4758

Ion	Ratio	Lower	Upper
77	100		
105	97.0	75.2	115.2
106	94.5	69.6	109.6



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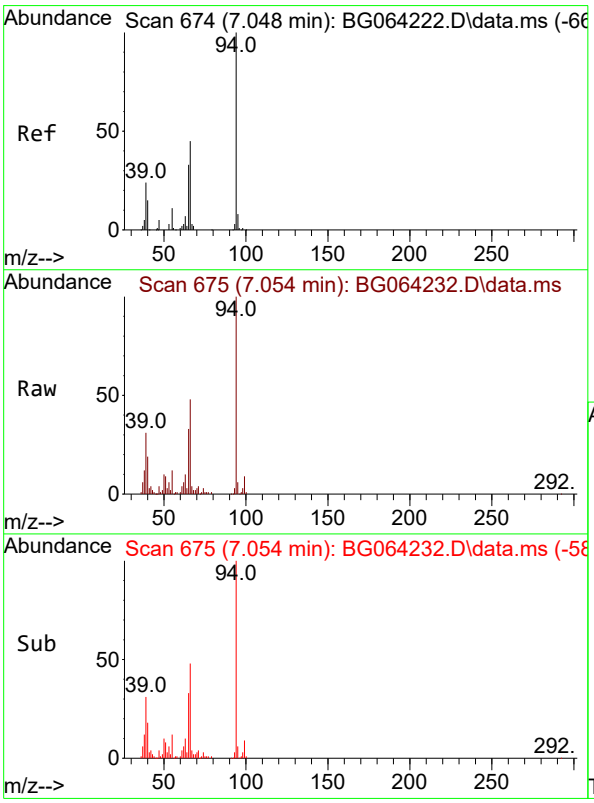
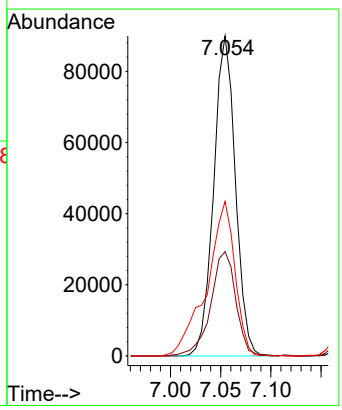
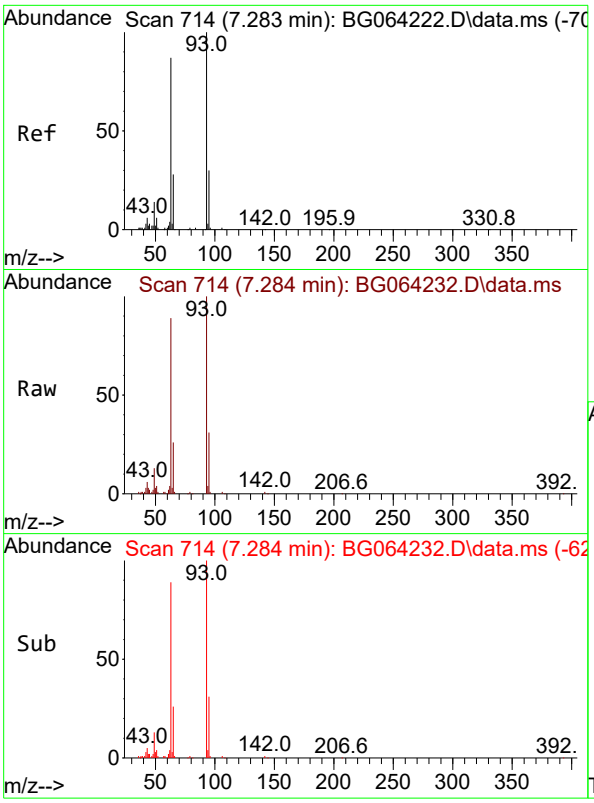


#10
Phenol
Concen: 53.612 ng
RT: 7.054 min Scan# 675
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 94 Resp: 135219

Ion	Ratio	Lower	Upper
94	100		
65	32.6	13.5	53.5
66	48.3	26.2	66.2

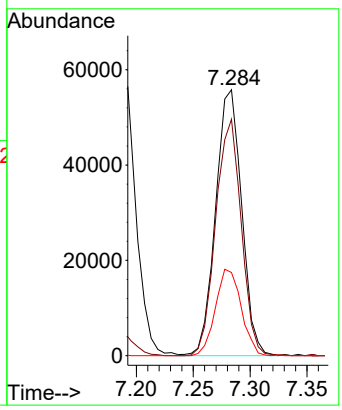




#11
bis(2-Chloroethyl)ether
Concen: 46.880 ng
RT: 7.284 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 93 Resp: 8885

Ion	Ratio	Lower	Upper
93	100		
63	88.9	66.2	106.2
95	31.3	9.8	49.8



Instrument :
BNA_G
ClientSampleId :
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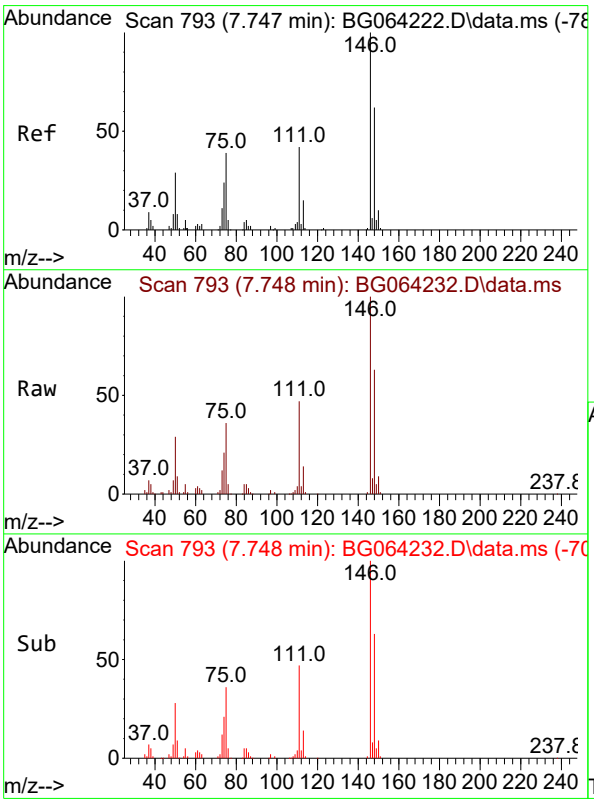
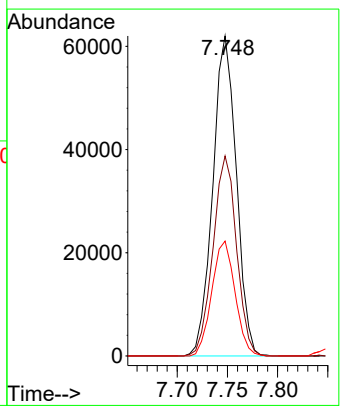
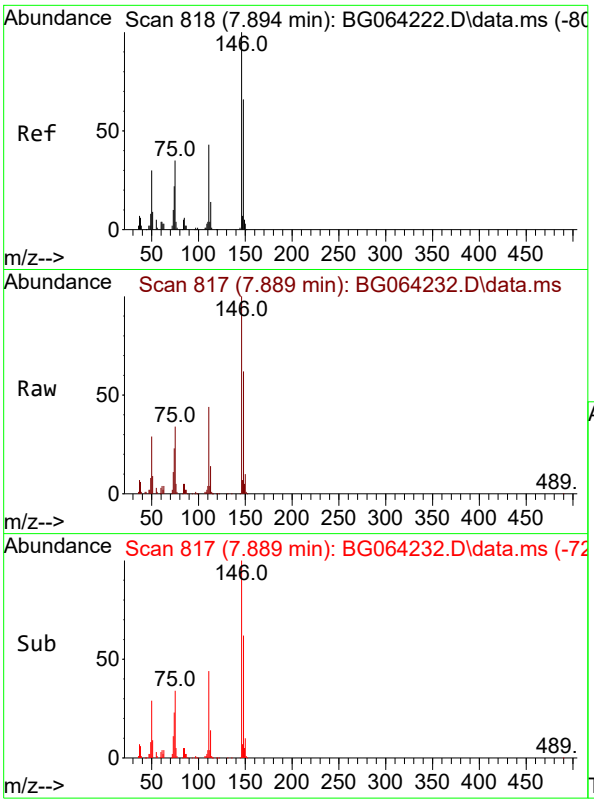


#12
1,3-Dichlorobenzene
Concen: 46.631 ng
RT: 7.748 min Scan# 793
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:146 Resp: 100945

Ion	Ratio	Lower	Upper
146	100		
148	62.5	49.6	74.4
75	35.9	31.0	46.6

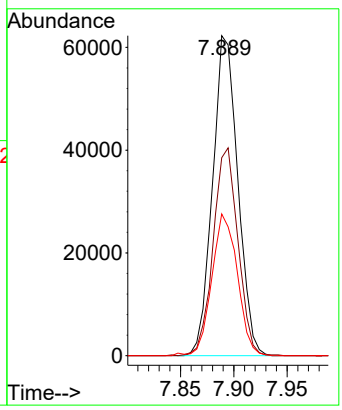




#13
1,4-Dichlorobenzene
Concen: 46.869 ng
RT: 7.889 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:146 Resp: 10239

Ion	Ratio	Lower	Upper
146	100		
148	61.9	52.8	79.2
111	44.3	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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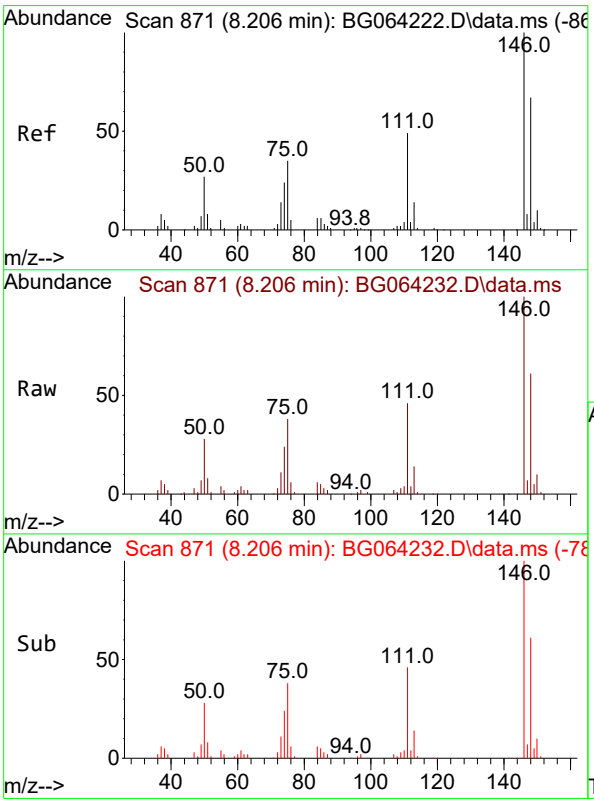
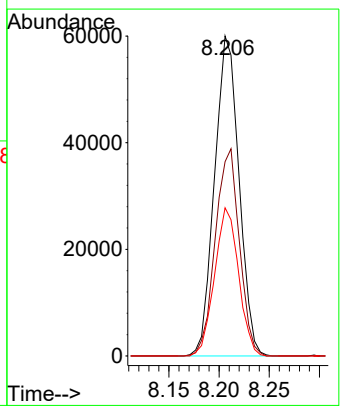
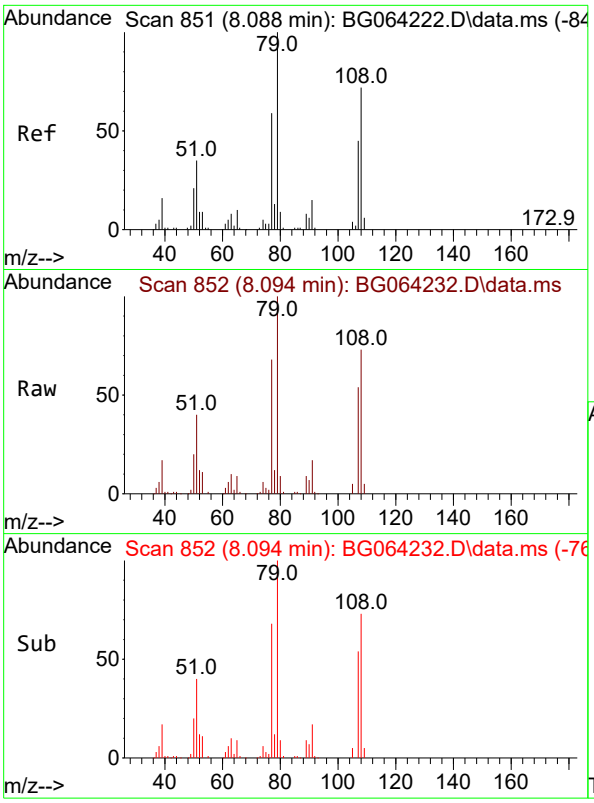


#14
1,2-Dichlorobenzene
Concen: 48.114 ng
RT: 8.206 min Scan# 871
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:146 Resp: 101450

Ion	Ratio	Lower	Upper
146	100		
148	60.7	53.4	80.0
111	46.3	39.1	58.7





#15
Benzyl Alcohol
Concen: 50.434 ng
RT: 8.094 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 79 Resp: 10647

Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.4	86.0
77	67.9	47.2	70.8

Instrument :
BNA_G
ClientSampleId :
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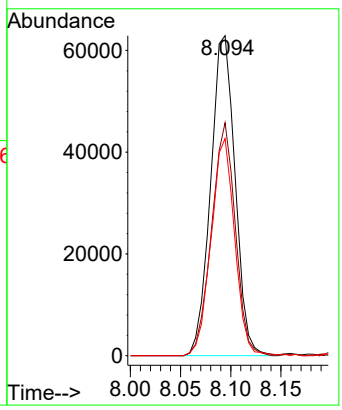
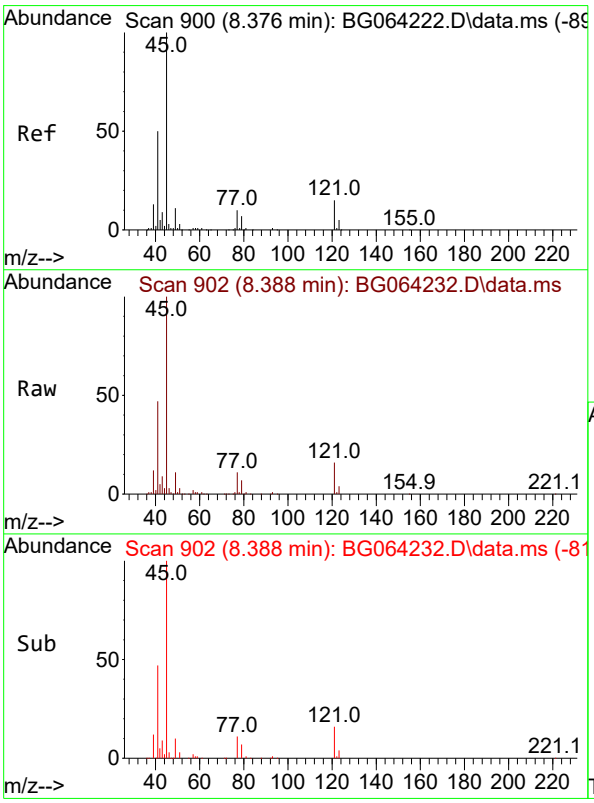
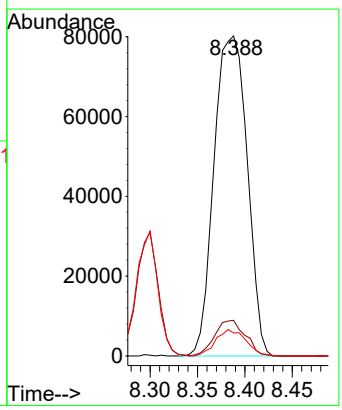


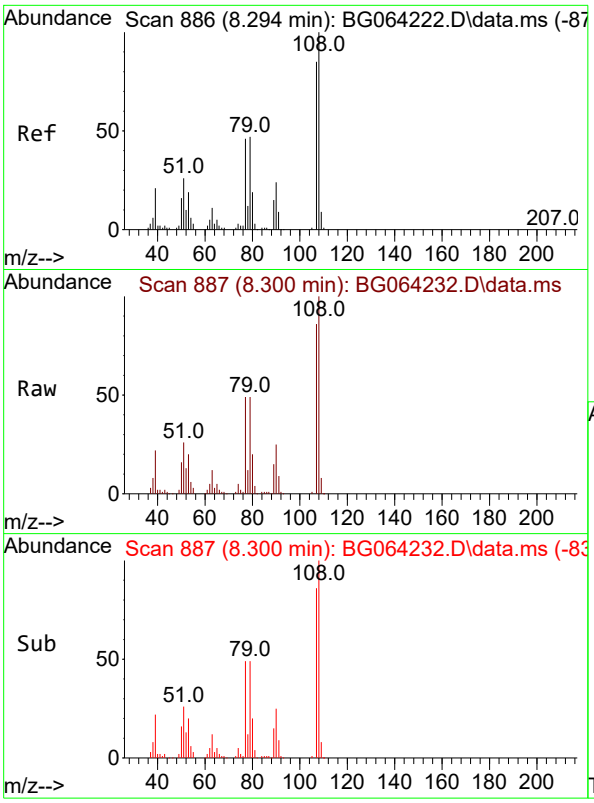


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.118 ng
RT: 8.388 min Scan# 902
Delta R.T. 0.012 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 45 Resp: 195235

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	30.0
79	7.2	0.0	27.9

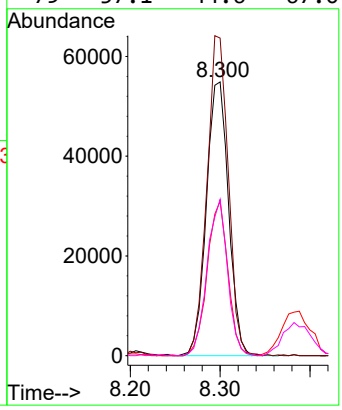




#17
2-Methylphenol
Concen: 50.076 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:107 Resp: 9413

Ion	Ratio	Lower	Upper
107	100		
108	116.0	94.6	141.8
77	56.4	43.7	65.5
79	57.1	44.6	67.0



Instrument :
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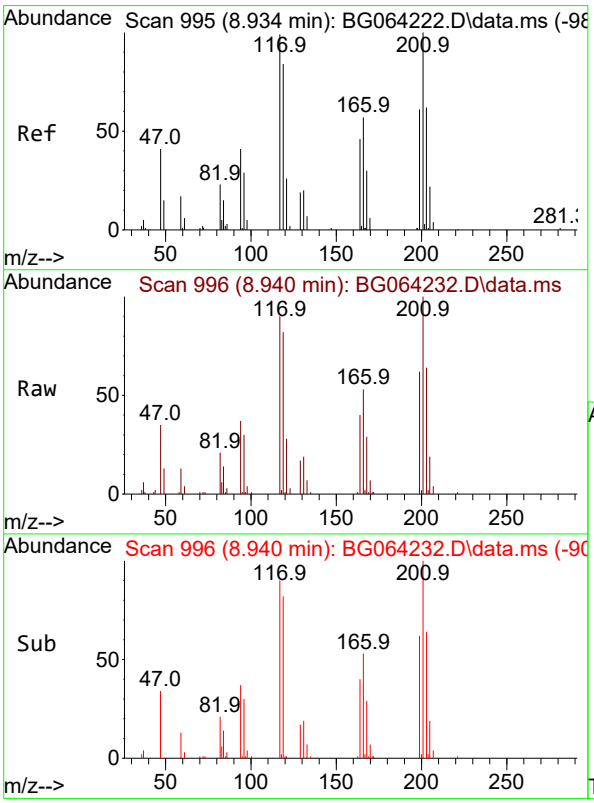
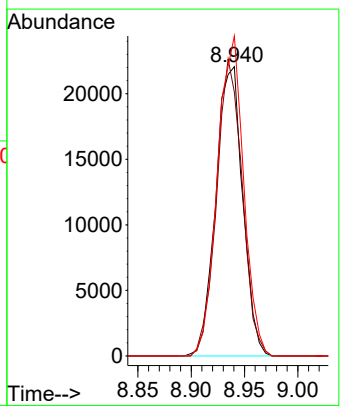
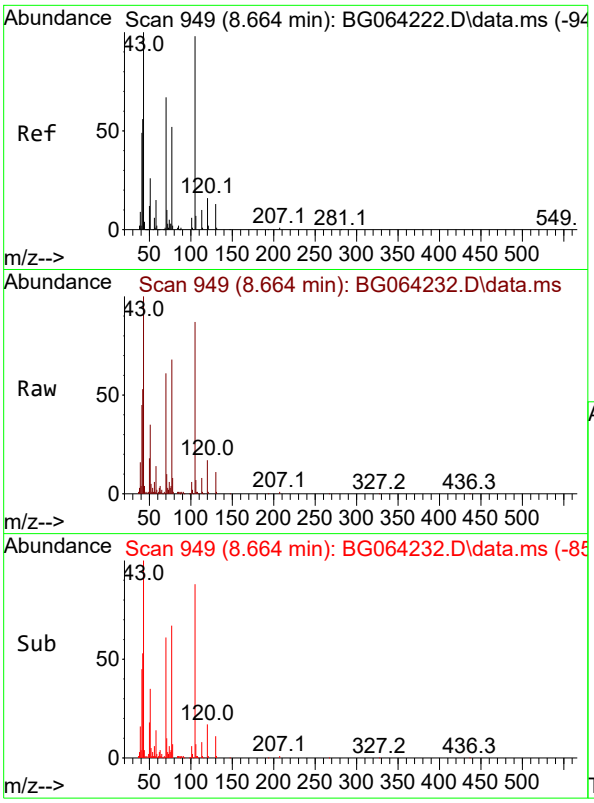


#18
Hexachloroethane
Concen: 45.400 ng
RT: 8.940 min Scan# 996
Delta R.T. 0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:117 Resp: 38718

Ion	Ratio	Lower	Upper
117	100		
119	91.2	67.9	101.9
201	110.6	80.5	120.7

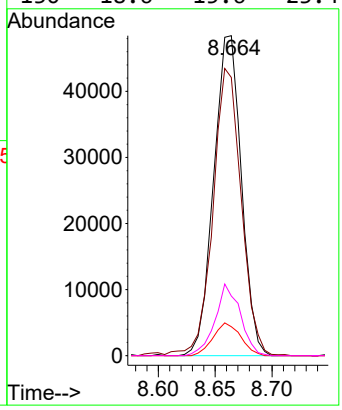




#19
n-Nitroso-di-n-propylamine
Concen: 46.815 ng
RT: 8.664 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 70 Resp: 8196

Ion	Ratio	Lower	Upper
70	100		
42	86.9	67.9	101.9
101	9.1	7.3	10.9
130	18.6	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
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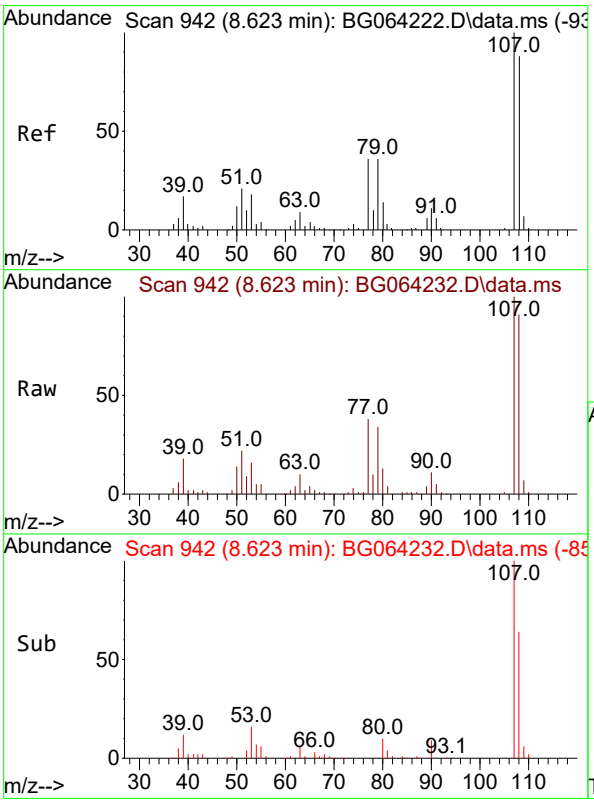
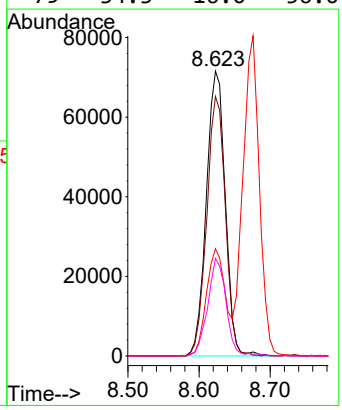
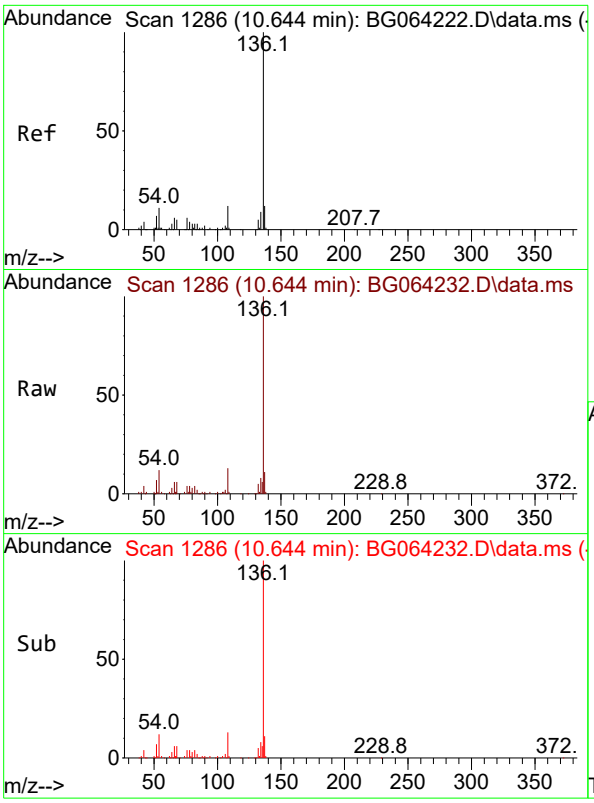


#20
3+4-Methylphenols
Concen: 50.689 ng
RT: 8.623 min Scan# 942
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:107 Resp: 132396

Ion	Ratio	Lower	Upper
107	100		
108	91.2	68.1	108.1
77	37.6	15.9	55.9
79	34.3	16.0	56.0

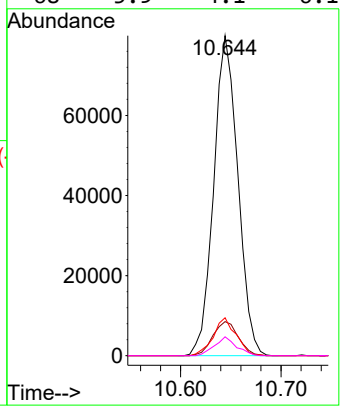




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:136 Resp: 13353

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	11.8	8.8	13.2
68	5.9	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
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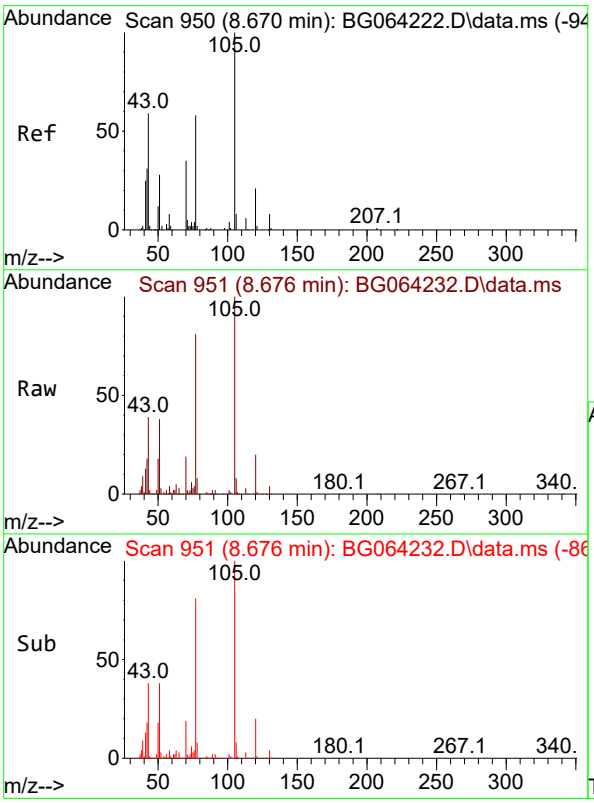
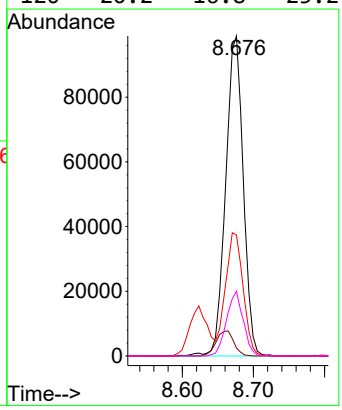
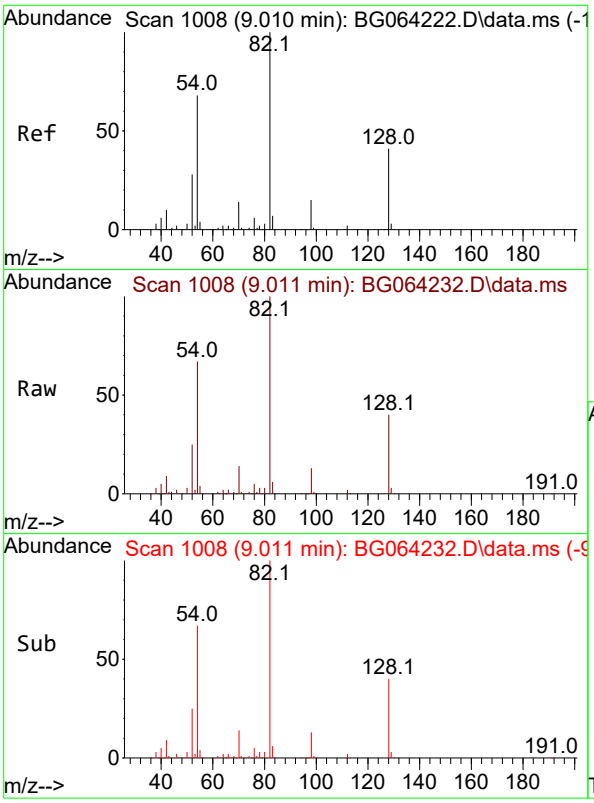


#22
Acetophenone
Concen: 50.342 ng
RT: 8.676 min Scan# 951
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:105 Resp: 170069

Ion	Ratio	Lower	Upper
105	100		
71	2.5	4.3	6.5#
51	37.9	32.4	48.6
120	20.2	16.8	25.2





#23
Nitrobenzene-d5
Concen: 98.158 ng
RT: 9.011 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 82 Resp: 23502(

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.6	48.8
54	66.8	54.7	82.1

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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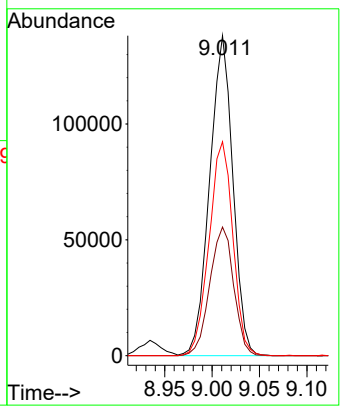
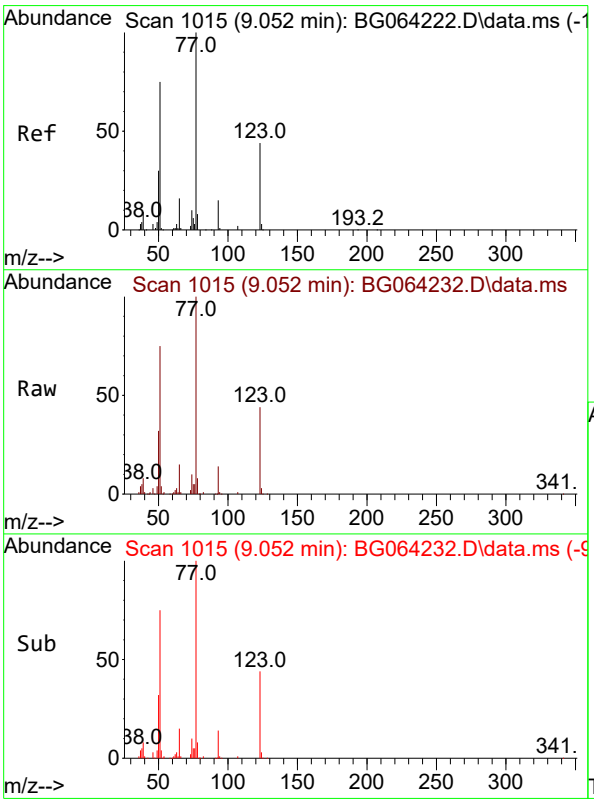
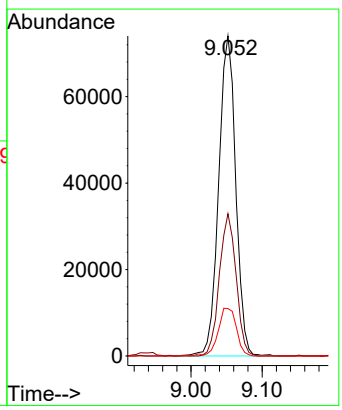


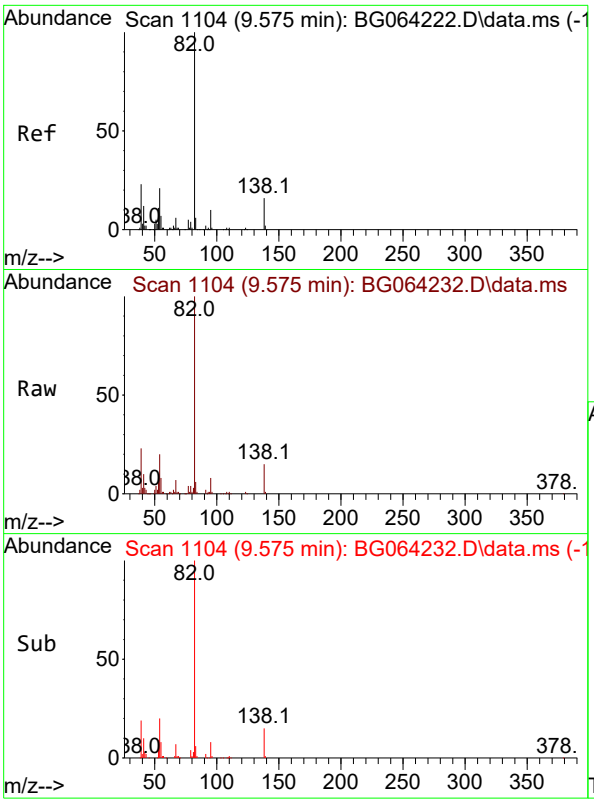


#24
Nitrobenzene
Concen: 49.178 ng
RT: 9.052 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 77 Resp: 123026

Ion	Ratio	Lower	Upper
77	100		
123	44.4	35.2	52.8
65	14.8	12.6	19.0





#25
Isophorone
Concen: 49.187 ng
RT: 9.575 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 82 Resp: 24476

Ion	Ratio	Lower	Upper
82	100		
95	8.2	7.9	11.9
138	15.3	13.0	19.4

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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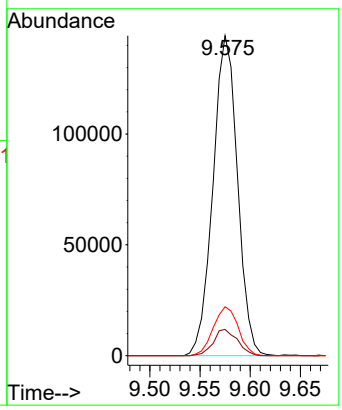
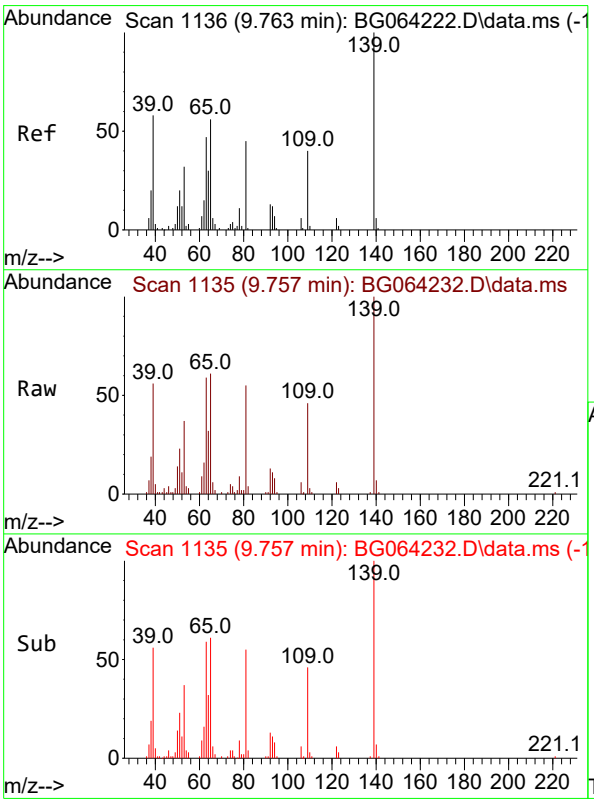
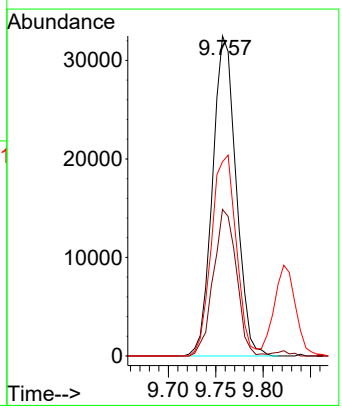


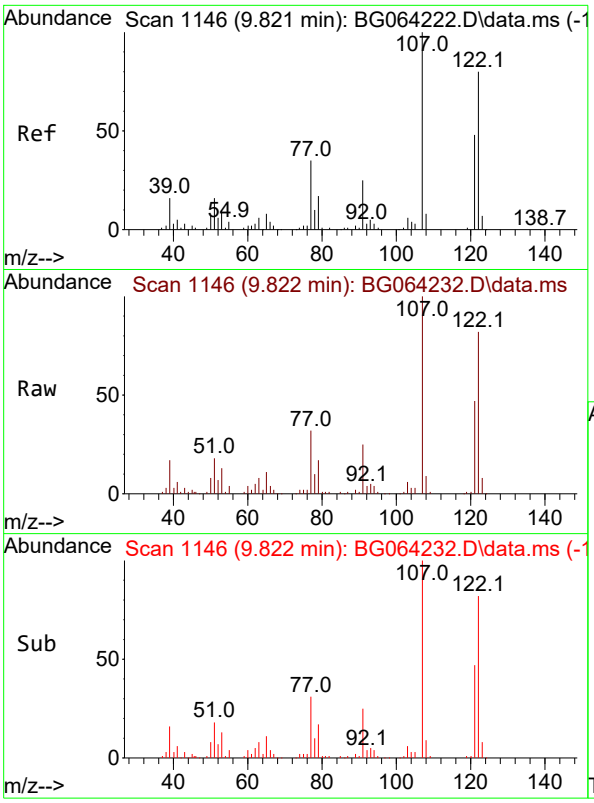


#26
2-Nitrophenol
Concen: 51.951 ng
RT: 9.757 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:139 Resp: 56156

Ion	Ratio	Lower	Upper
139	100		
109	45.8	32.4	48.6
65	60.7	44.6	67.0





#27
2,4-Dimethylphenol
Concen: 59.083 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:122 Resp: 11212

Ion	Ratio	Lower	Upper
122	100		
107	122.1	99.9	149.9
121	57.8	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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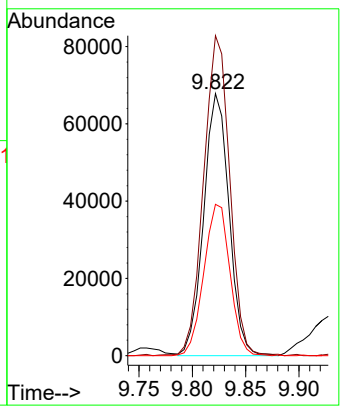
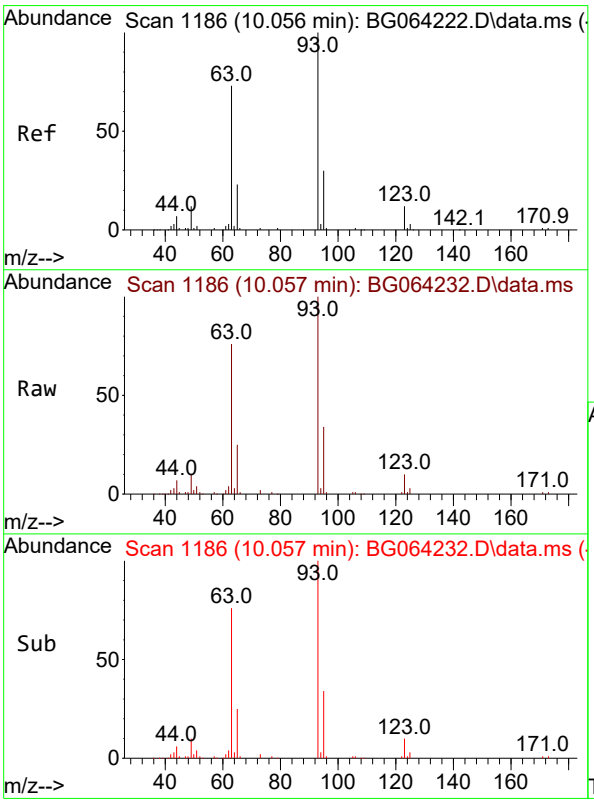
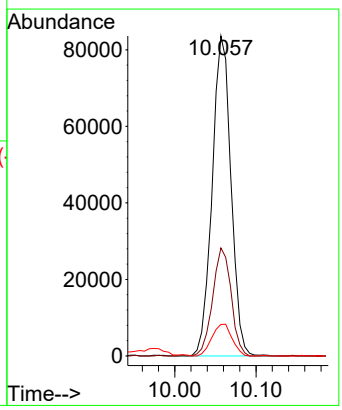


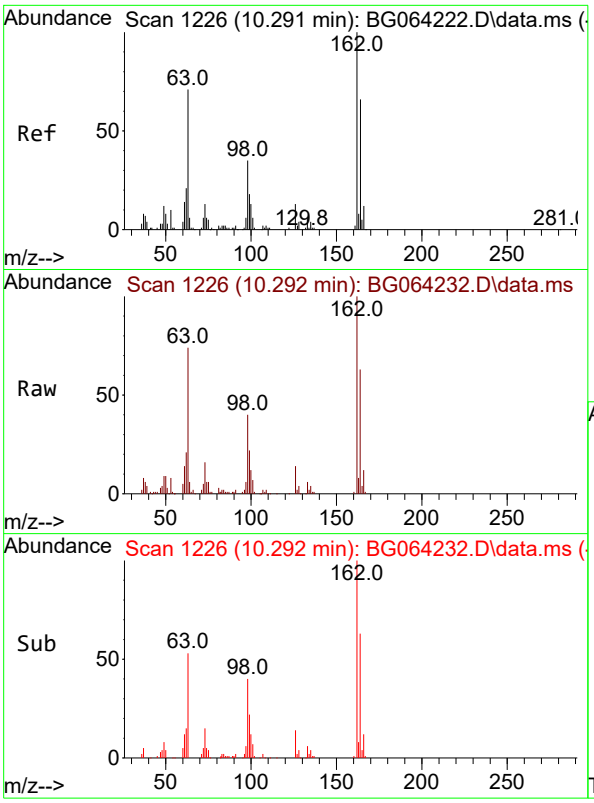


#28
bis(2-Chloroethoxy)methane
Concen: 50.169 ng
RT: 10.057 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 93 Resp: 134614

Ion	Ratio	Lower	Upper
93	100		
95	33.8	23.9	35.9
123	9.9	9.6	14.4





#29
2,4-Dichlorophenol
Concen: 55.065 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:162 Resp: 11026

Ion	Ratio	Lower	Upper
162	100		
164	62.8	45.8	85.8
98	40.3	15.2	55.2

Instrument :
BNA_G
ClientSampleId :
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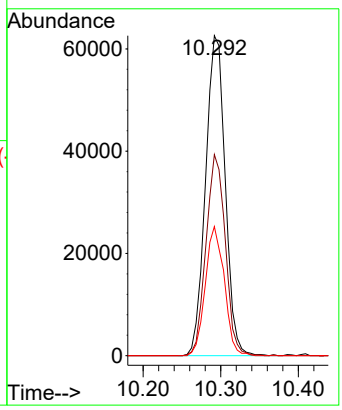
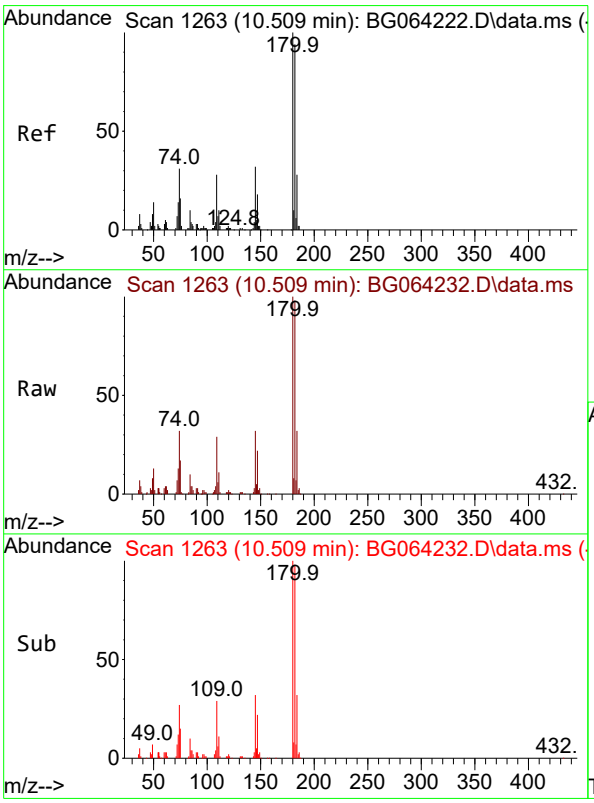
Supervised By :Jagrut Upadhyay 09/02/2025

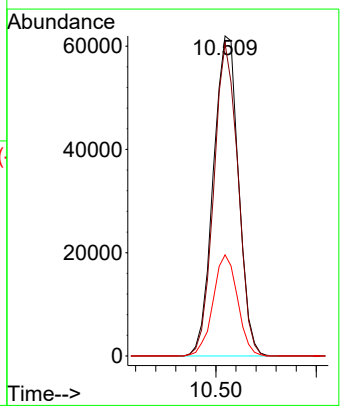


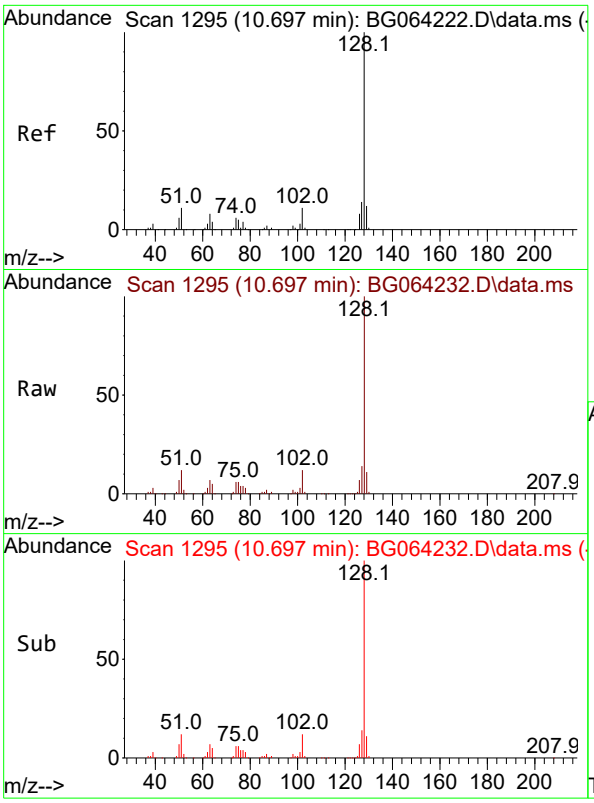


#30
1,2,4-Trichlorobenzene
Concen: 51.116 ng
RT: 10.509 min Scan# 1263
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:180 Resp: 107924

Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.0	112.6
145	31.6	25.4	38.0

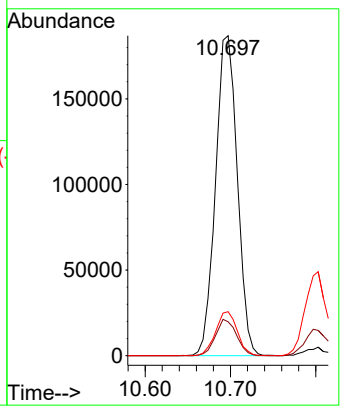




#31
Naphthalene
Concen: 47.874 ng
RT: 10.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:128 Resp: 33150

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.8	10.9	16.3



Instrument :
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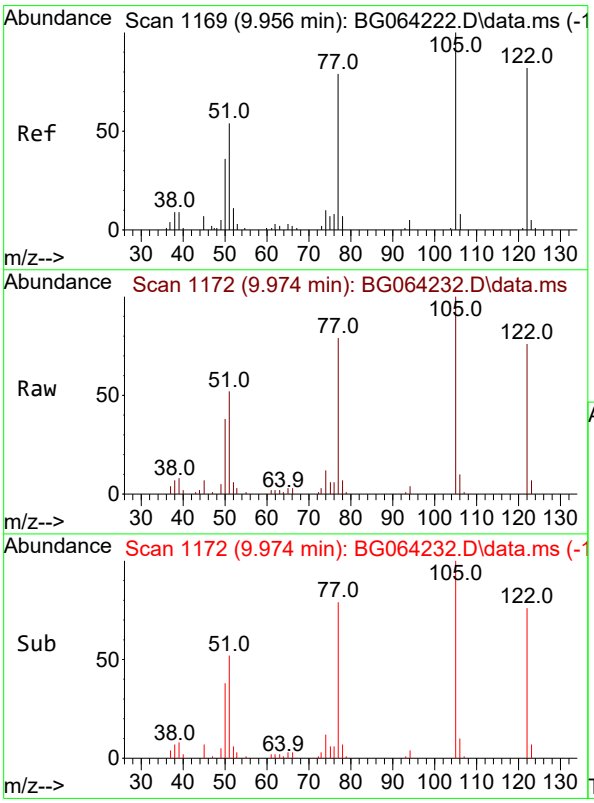
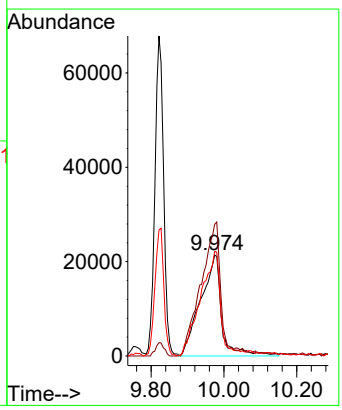
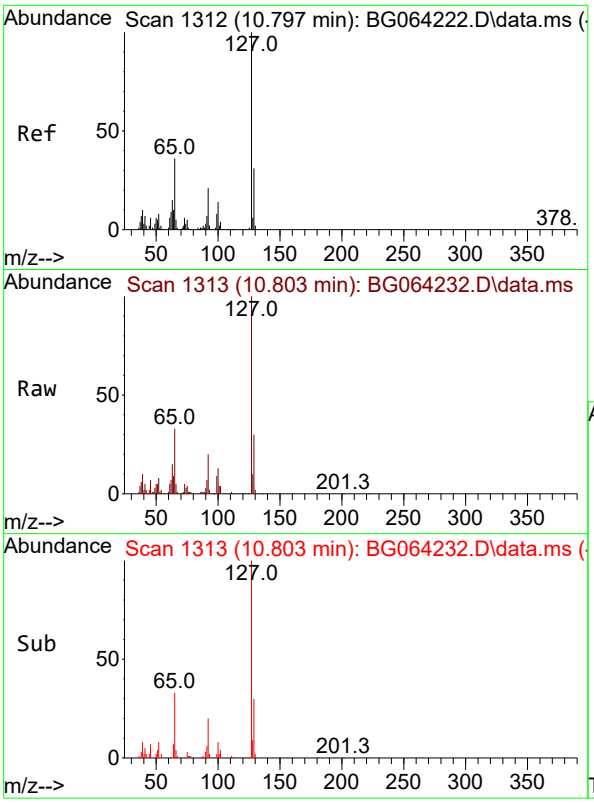


#32
Benzoic acid
Concen: 56.799 ng m
RT: 9.974 min Scan# 1172
Delta R.T. -0.041 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:122 Resp: 85566

Ion	Ratio	Lower	Upper
122	100		
105	130.8	98.5	138.5
77	103.7	74.6	114.6

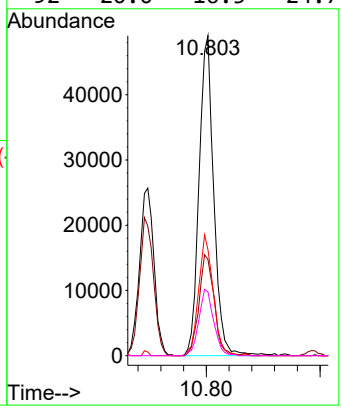




#33
4-Chloroaniline
Concen: 32.857 ng
RT: 10.803 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:127 Resp: 8818

Ion	Ratio	Lower	Upper
127	100		
129	30.1	25.0	37.4
65	33.1	28.7	43.1
92	20.0	16.5	24.7



Instrument :
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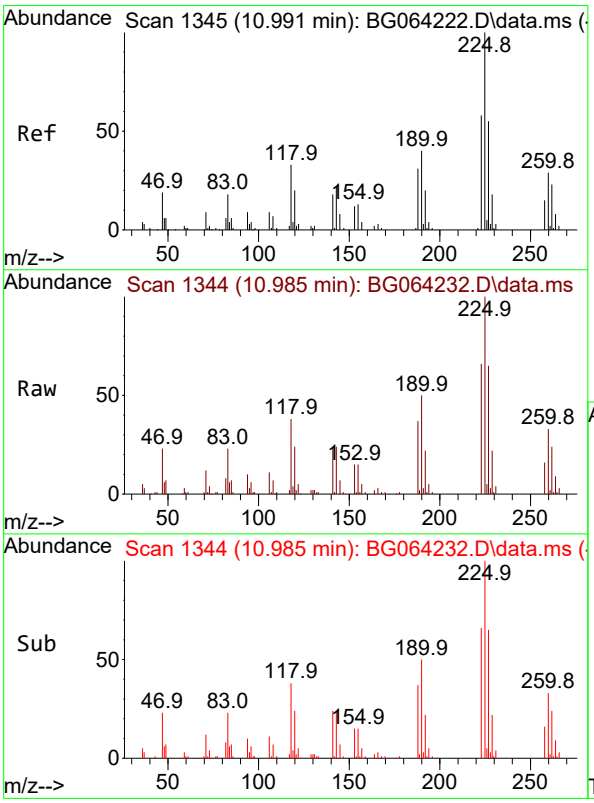
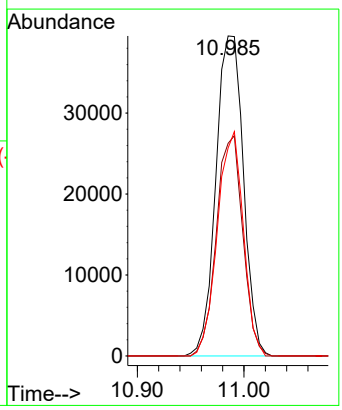
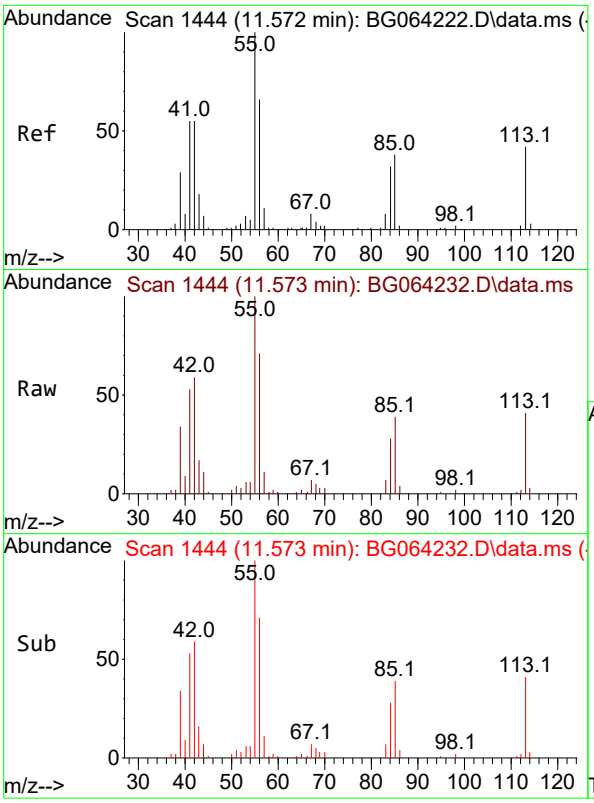


#34
Hexachlorobutadiene
Concen: 45.458 ng
RT: 10.985 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:225 Resp: 70946

Ion	Ratio	Lower	Upper
225	100		
223	66.5	46.5	69.7
227	65.0	44.1	66.1

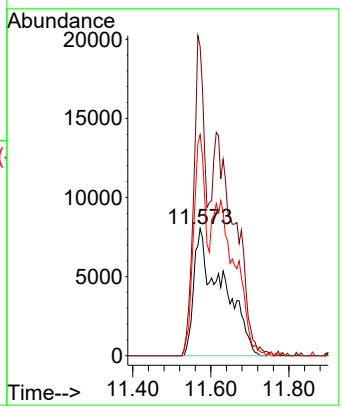




#35
Caprolactam
Concen: 52.549 ng m
RT: 11.573 min Scan# 14
Delta R.T. -0.029 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:113 Resp: 4074

Ion	Ratio	Lower	Upper
113	100		
55	243.0	218.5	258.5
56	173.7	138.5	178.5



Instrument :
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ClientSampleId :
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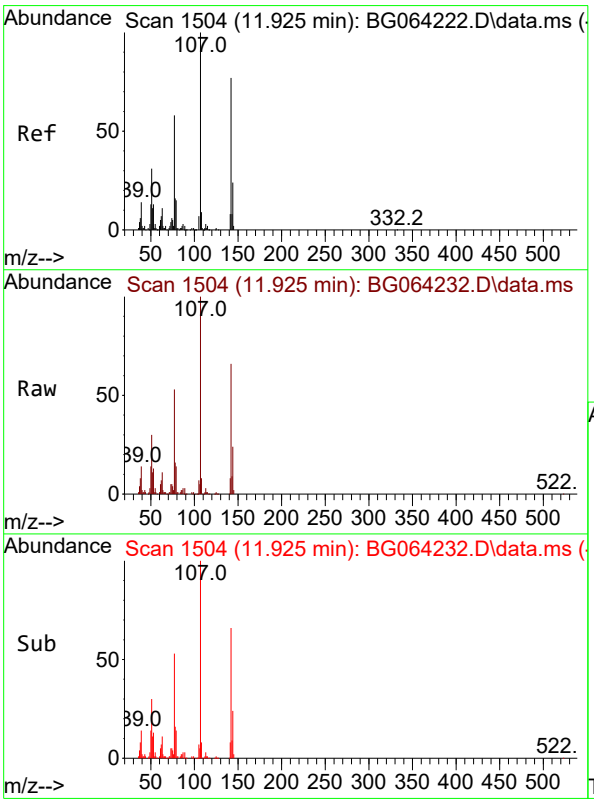
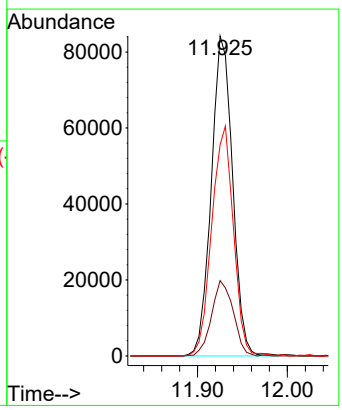
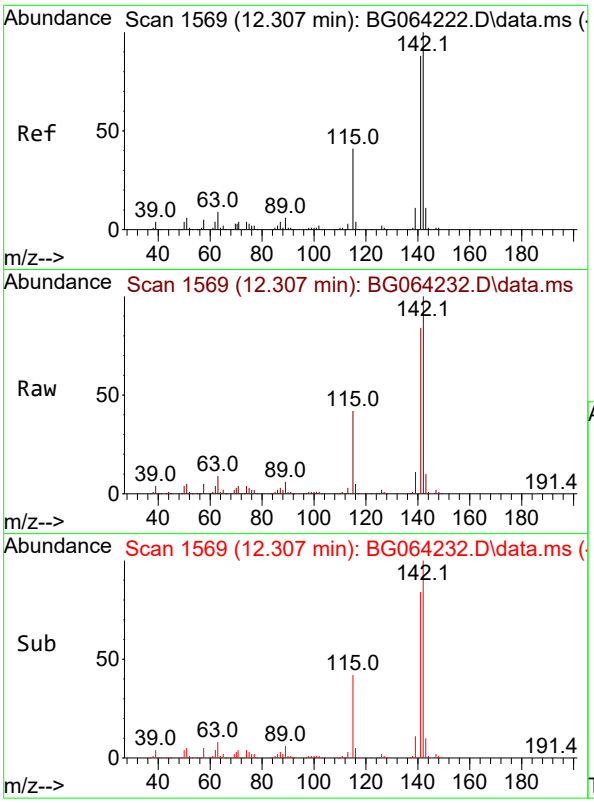


#36
4-Chloro-3-methylphenol
Concen: 53.424 ng
RT: 11.925 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:107 Resp: 138799

Ion	Ratio	Lower	Upper
107	100		
144	23.6	19.5	29.3
142	66.0	62.0	93.0

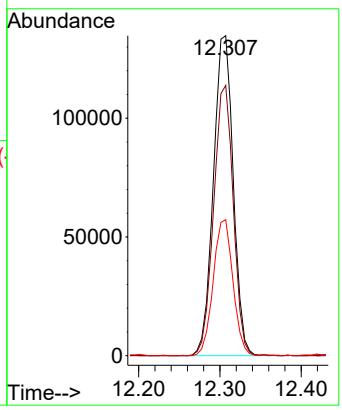




#37
2-Methylnaphthalene
Concen: 44.467 ng
RT: 12.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:142 Resp: 22887

Ion	Ratio	Lower	Upper
142	100		
141	84.4	70.1	105.1
115	42.5	33.1	49.7



Instrument :
BNA_G
ClientSampleId :
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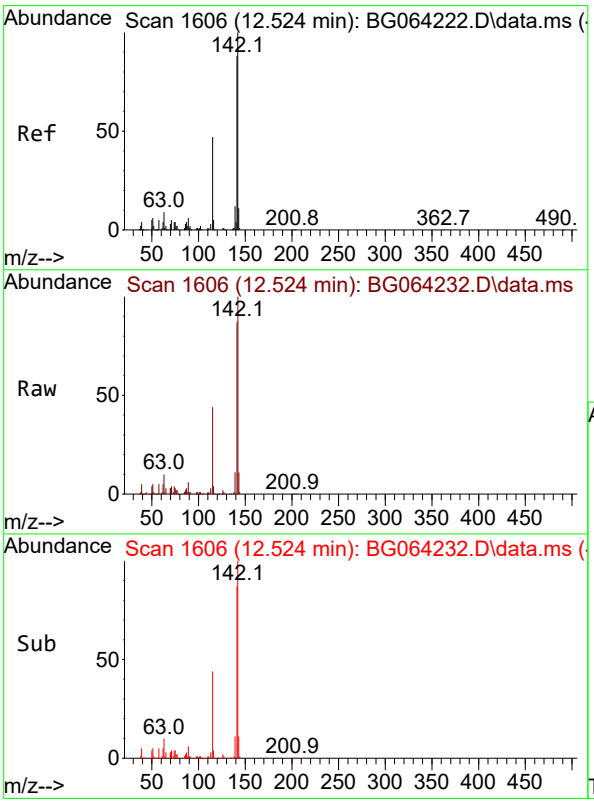
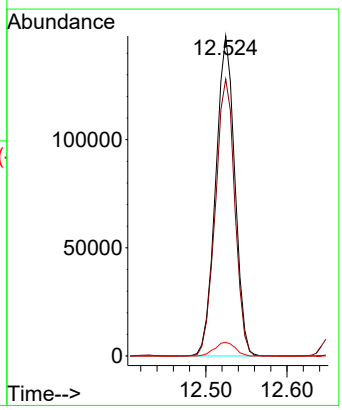
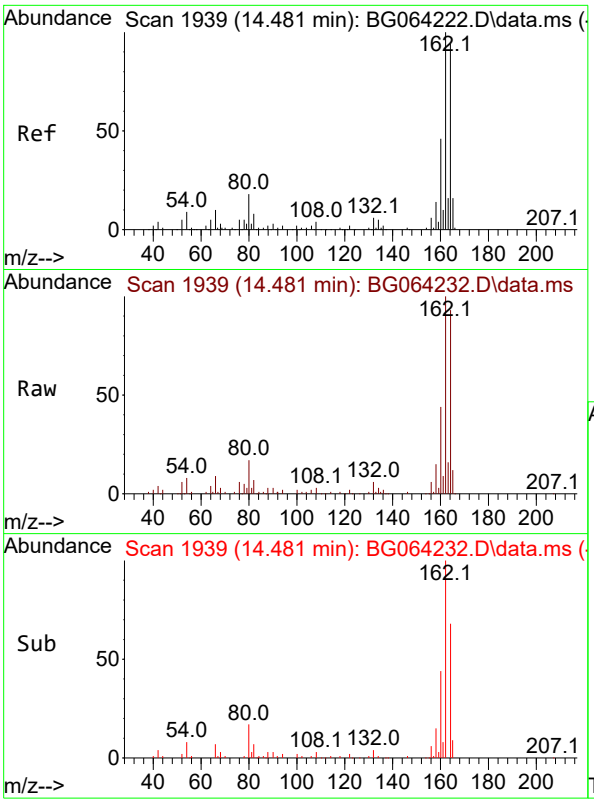


#38
1-Methylnaphthalene
Concen: 47.622 ng
RT: 12.524 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:142 Resp: 242101

Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.3	105.5
116	4.3	3.7	5.5

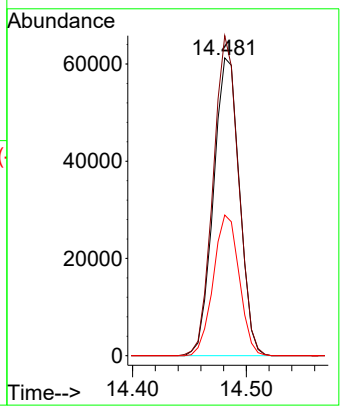




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:164 Resp: 9737

Ion	Ratio	Lower	Upper
164	100		
162	107.4	85.4	128.0
160	47.2	39.2	58.8



Instrument :
BNA_G
ClientSampleId :
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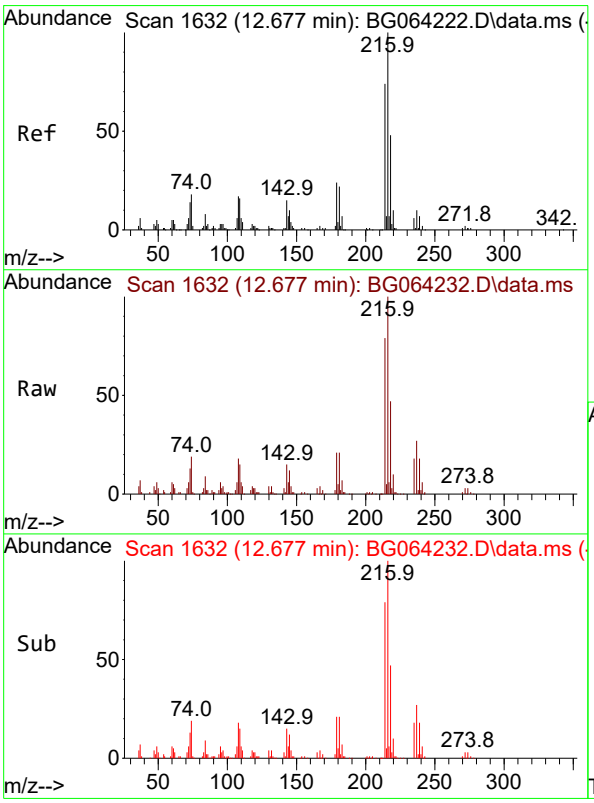
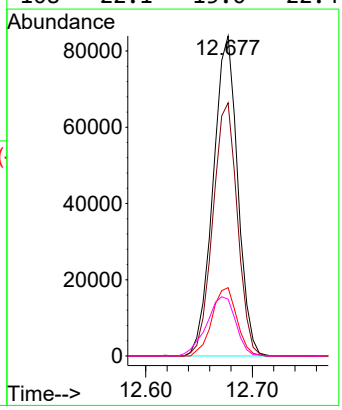
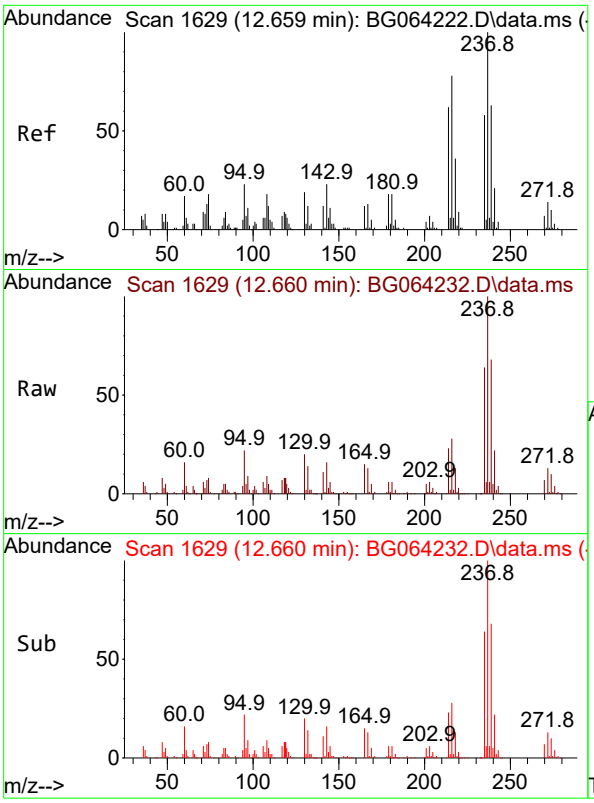


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.795 ng
RT: 12.677 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:216 Resp: 134281

Ion	Ratio	Lower	Upper
216	100		
214	78.5	61.9	92.9
179	21.6	17.9	26.9
108	22.1	15.0	22.4

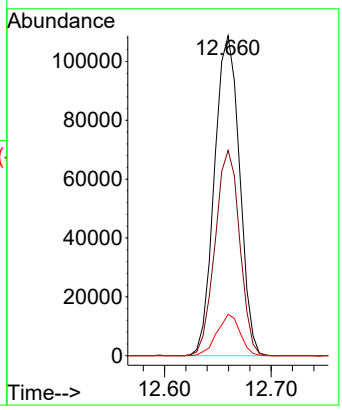




#41
Hexachlorocyclopentadiene
Concen: 133.145 ng
RT: 12.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:237 Resp: 17778

Ion	Ratio	Lower	Upper
237	100		
235	64.2	37.9	77.9
272	12.9	0.0	33.8



Instrument :
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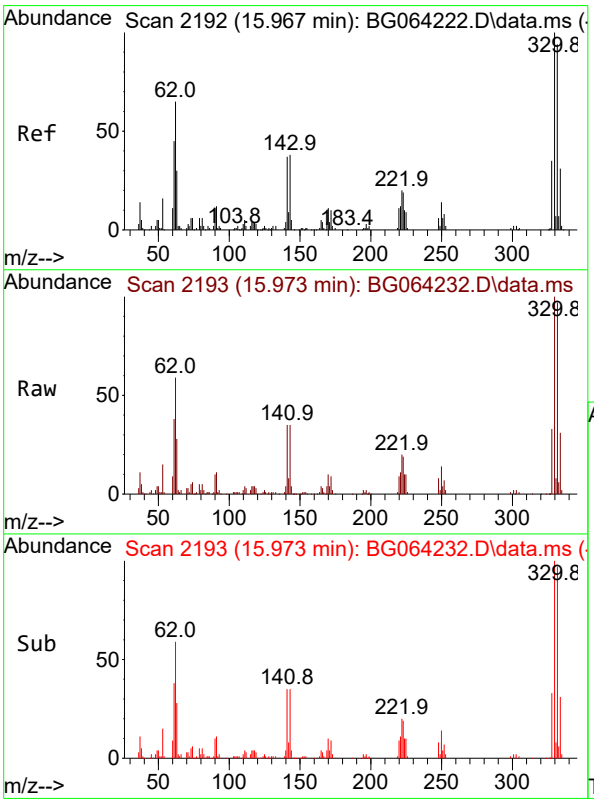
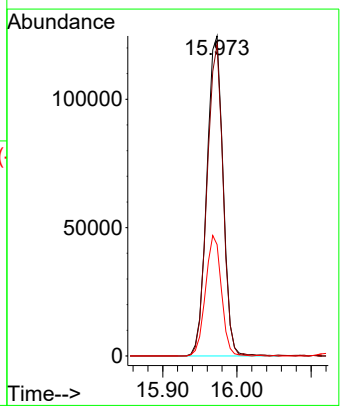
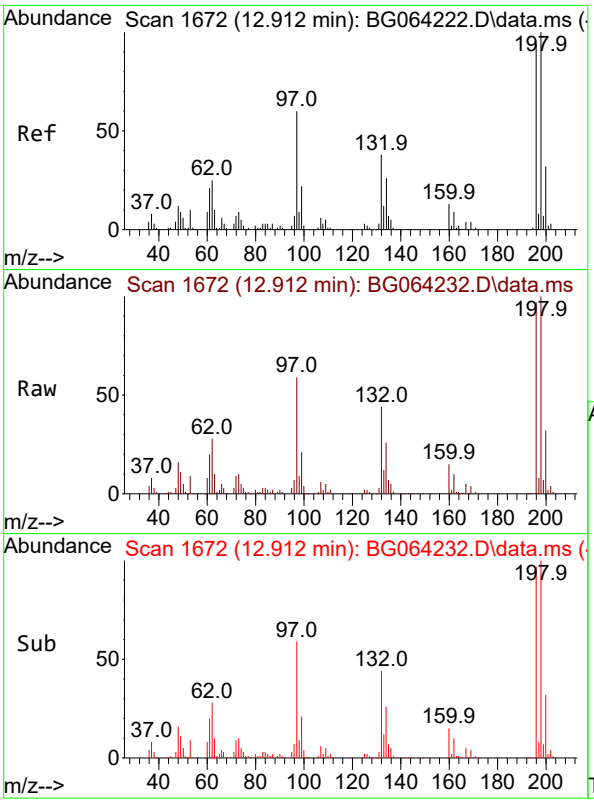


#42
2,4,6-Tribromophenol
Concen: 146.609 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:330 Resp: 189091

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	36.8	29.8	44.6

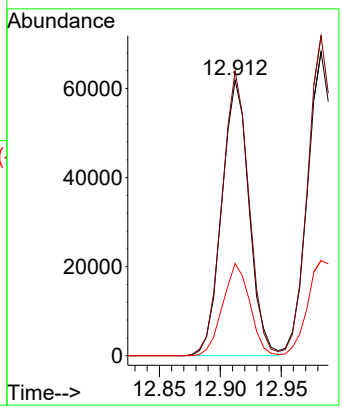




#43
2,4,6-Trichlorophenol
Concen: 51.203 ng
RT: 12.912 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:196 Resp: 9615

Ion	Ratio	Lower	Upper
196	100		
198	103.4	85.4	128.2
200	33.4	27.3	40.9



Instrument :
BNA_G
ClientSampleId :
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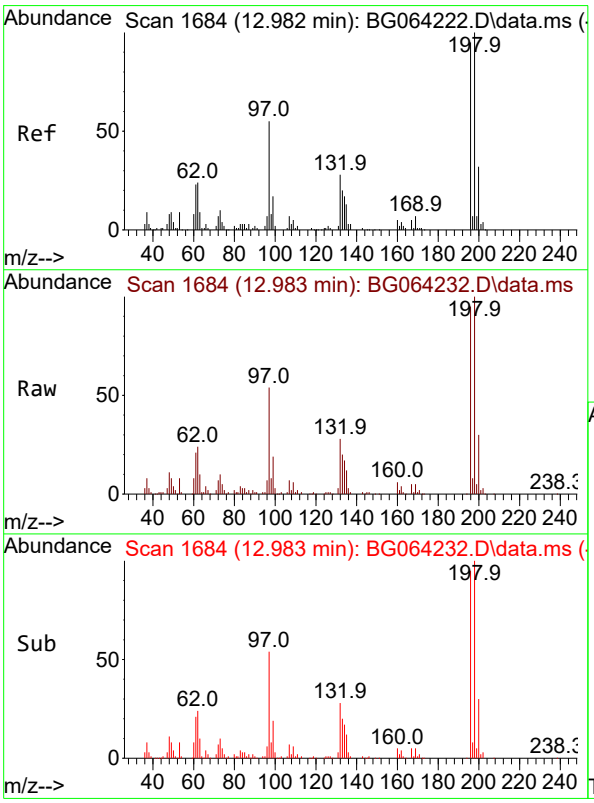
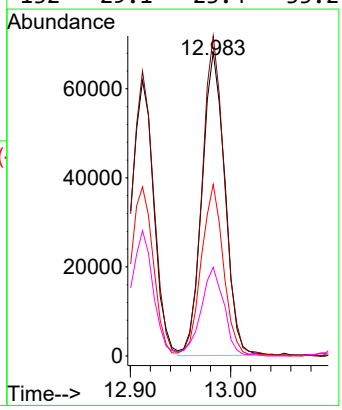
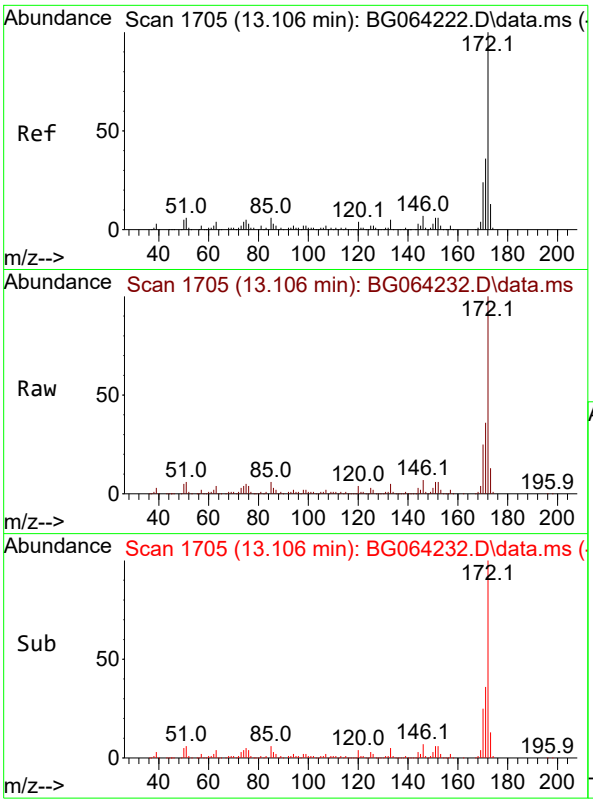


#44
2,4,5-Trichlorophenol
Concen: 53.009 ng
RT: 12.983 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:196 Resp: 107981

Ion	Ratio	Lower	Upper
196	100		
198	105.2	84.5	126.7
97	56.4	46.8	70.2
132	29.1	23.4	35.2





#45
2-Fluorobiphenyl
Concen: 93.238 ng
RT: 13.106 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:172 Resp: 59481

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	24.9	19.0	28.6

Instrument :
BNA_G
ClientSampleId :
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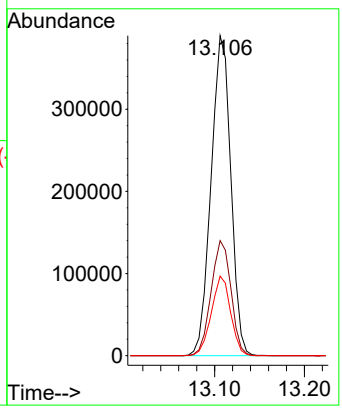
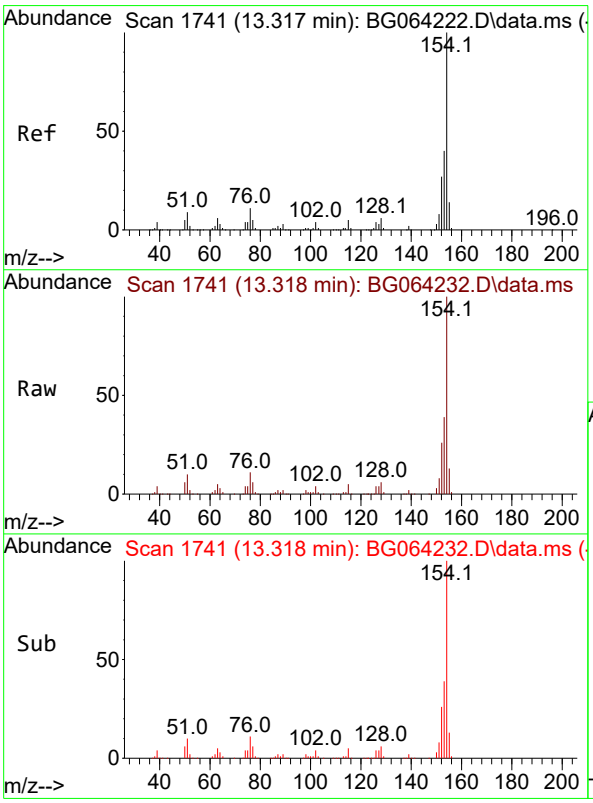
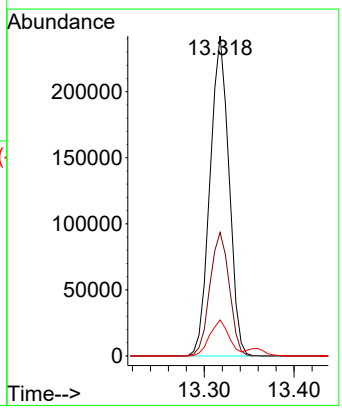


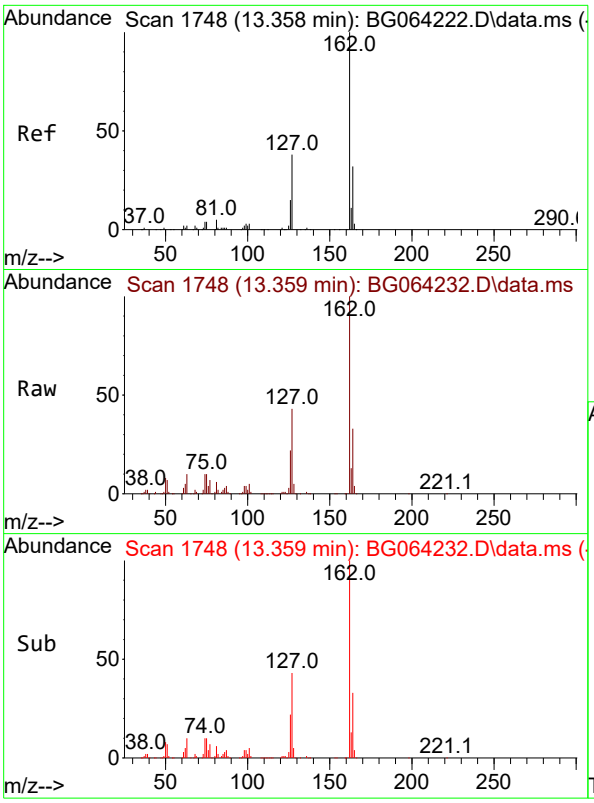


#46
1,1'-Biphenyl
Concen: 50.000 ng
RT: 13.318 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:154 Resp: 354608

Ion	Ratio	Lower	Upper
154	100		
153	38.6	19.9	59.9
76	11.2	0.0	30.9

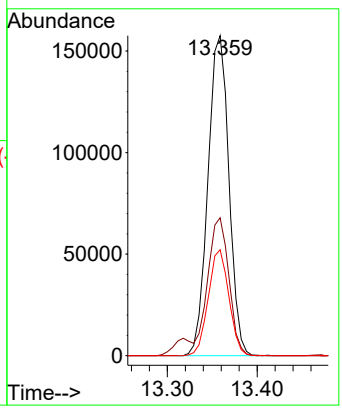




#47
2-Chloronaphthalene
Concen: 47.942 ng
RT: 13.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:162 Resp: 25562

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.9	50.9
164	33.1	25.4	38.2



Instrument :
BNA_G
ClientSampleId :
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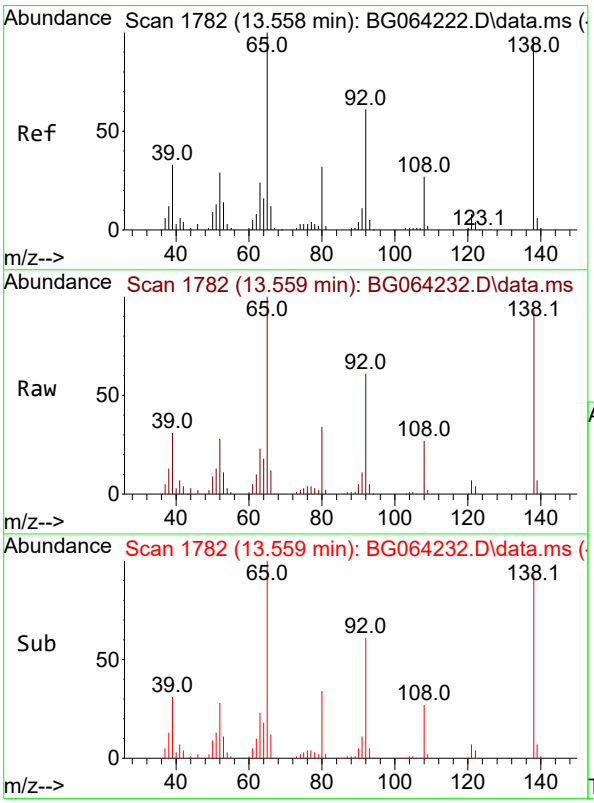
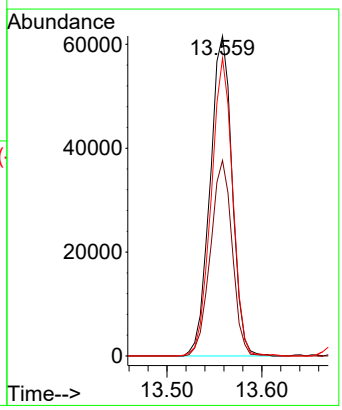
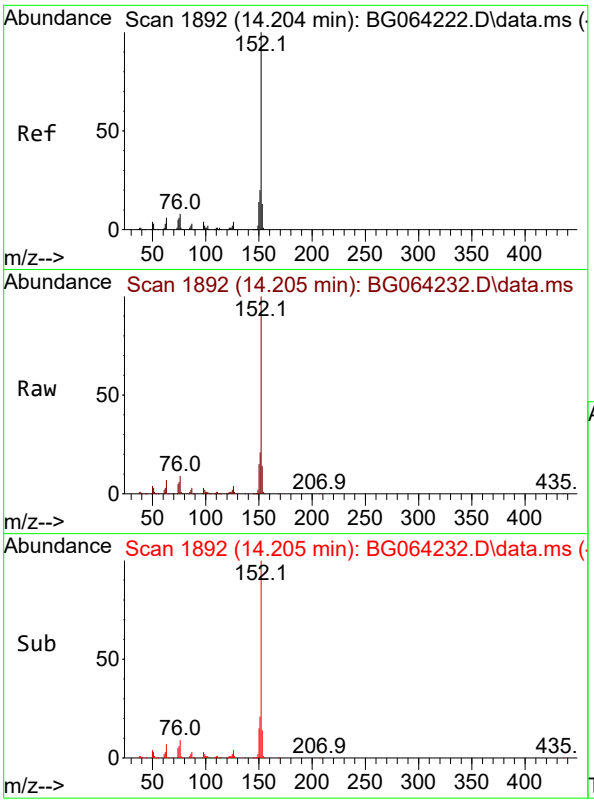


#48
2-Nitroaniline
Concen: 54.931 ng
RT: 13.559 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 65 Resp: 99826

Ion	Ratio	Lower	Upper
65	100		
92	61.1	49.2	73.8
138	93.1	76.8	115.2





#49
Acenaphthylene
Concen: 55.938 ng
RT: 14.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:152 Resp: 44088

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.2
153	13.9	10.1	15.1

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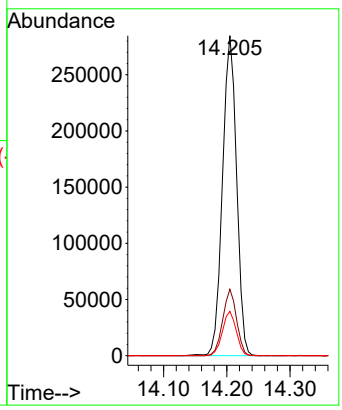
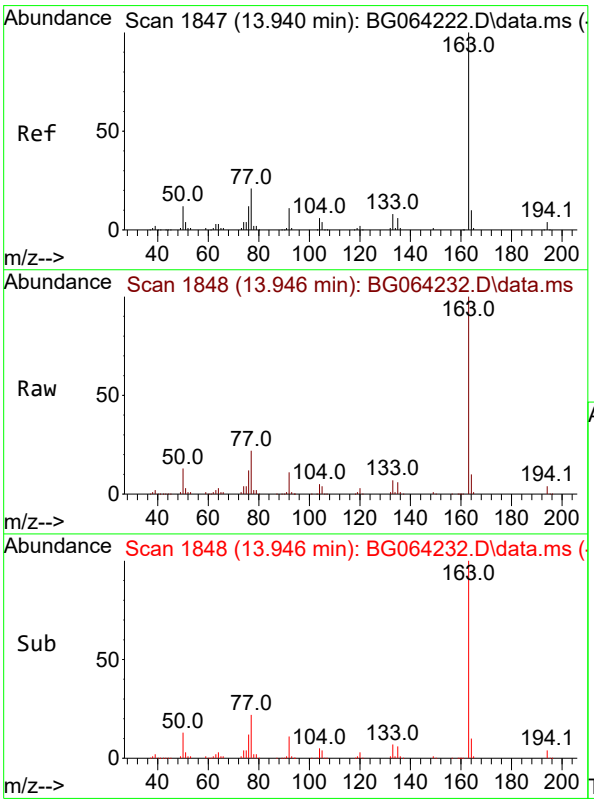
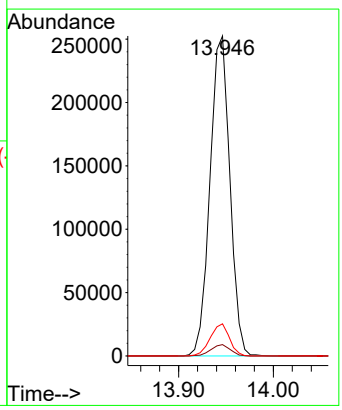


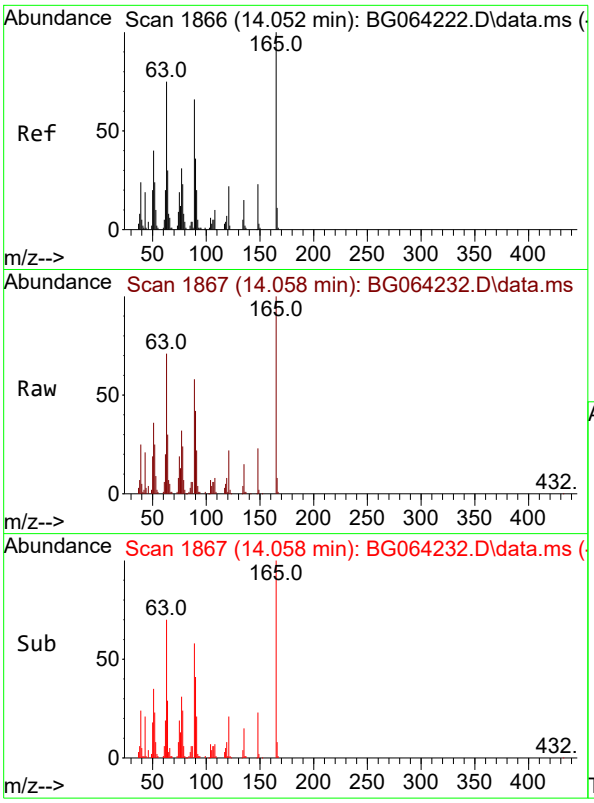


#50
Dimethylphthalate
Concen: 49.838 ng
RT: 13.946 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:163 Resp: 367327

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 55.222 ng
RT: 14.058 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:165 Resp: 7879

Ion	Ratio	Lower	Upper
165	100		
63	71.0	60.3	90.5
89	58.5	52.9	79.3

Instrument :
BNA_G
ClientSampleId :
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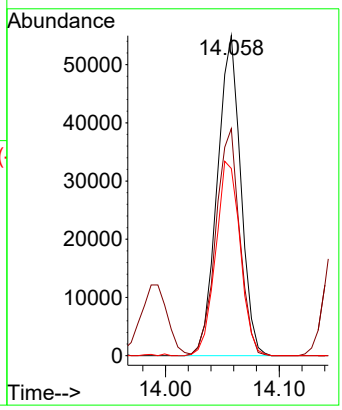
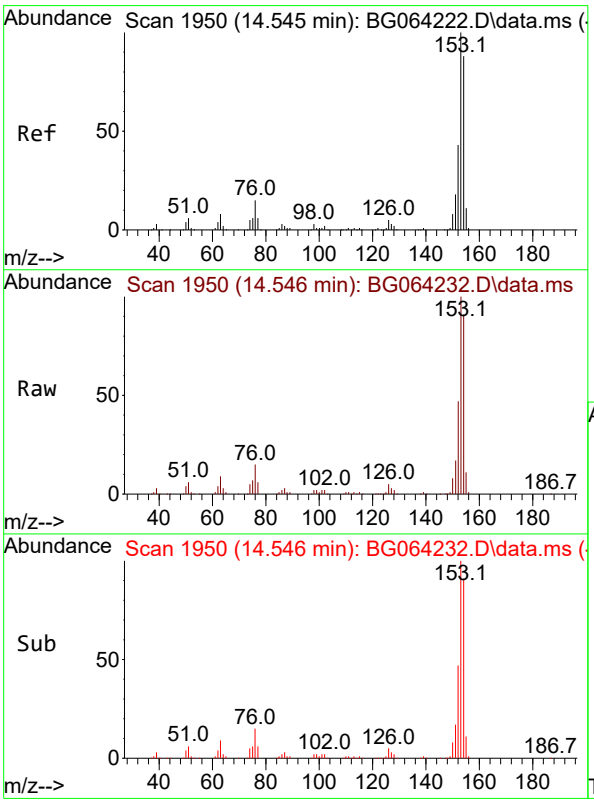
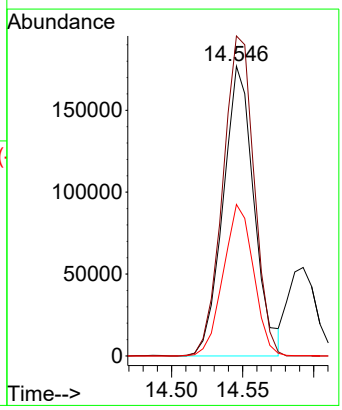


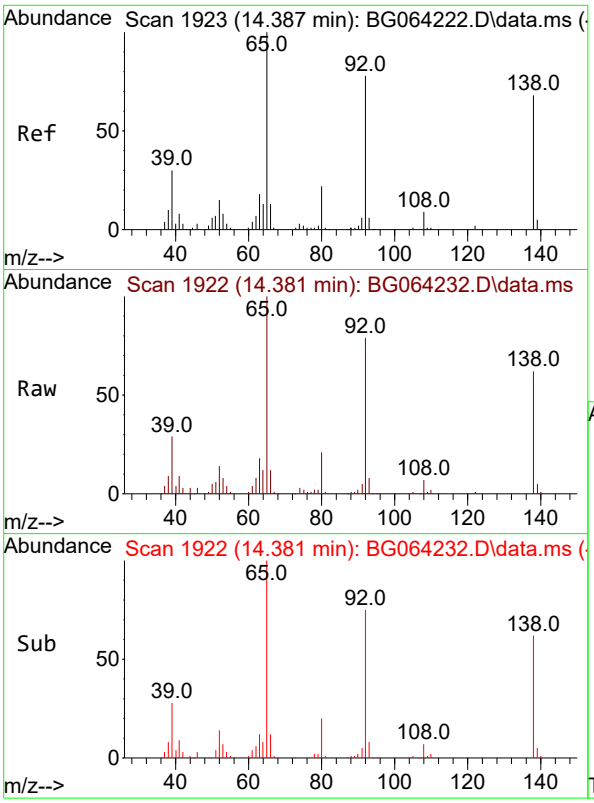


#52
Acenaphthene
Concen: 48.211 ng
RT: 14.546 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:154 Resp: 268159

Ion	Ratio	Lower	Upper
154	100		
153	110.4	91.1	136.7
152	52.3	39.6	59.4





#53
3-Nitroaniline
Concen: 39.385 ng
RT: 14.381 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:138 Resp: 5886

Ion	Ratio	Lower	Upper
138	100		
108	11.5	11.0	16.6
92	127.3	91.4	137.0

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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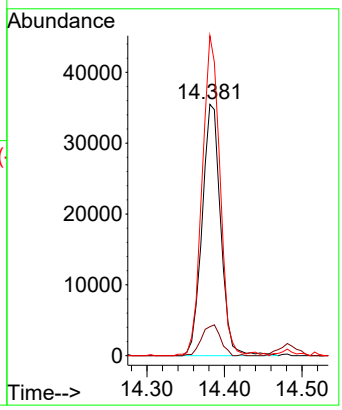
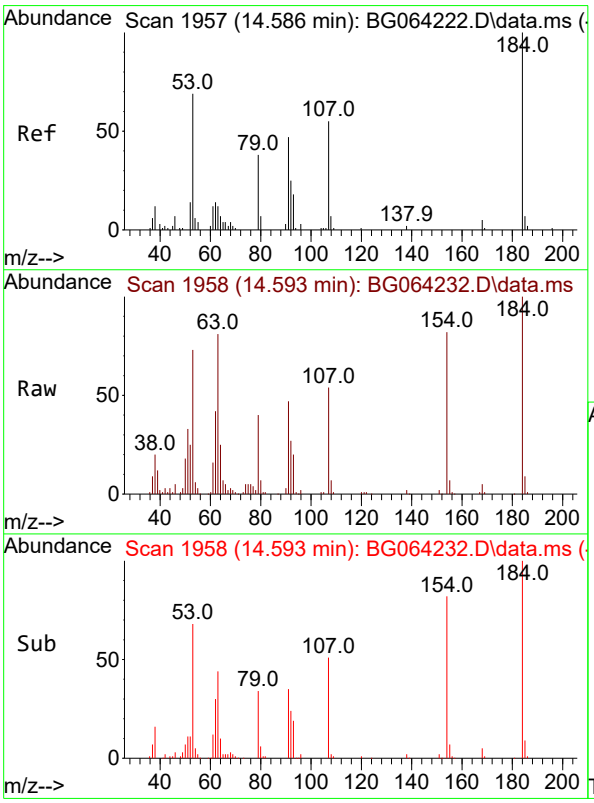
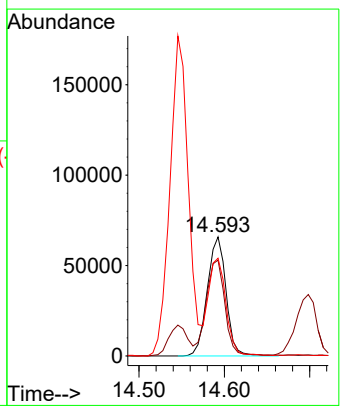


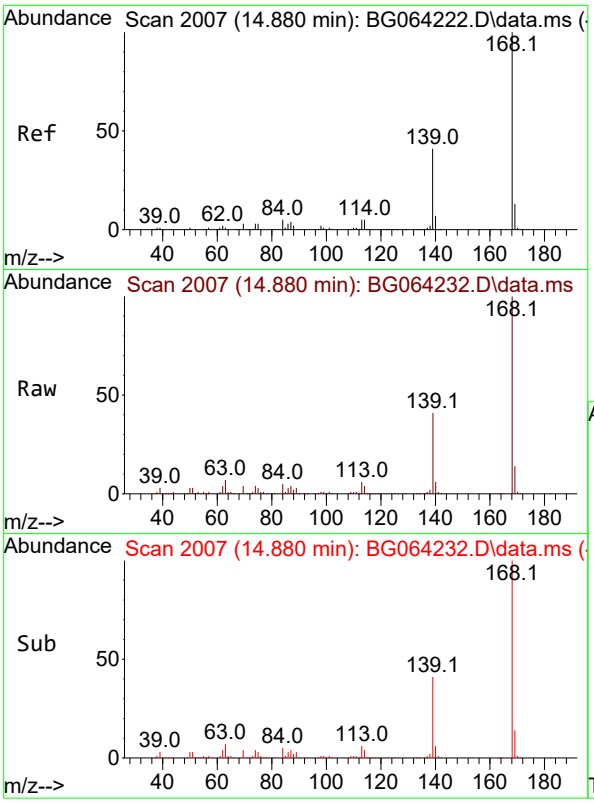


#54
2,4-Dinitrophenol
Concen: 106.226 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:184 Resp: 100887

Ion	Ratio	Lower	Upper
184	100		
63	80.6	60.1	90.1
154	82.1	59.8	89.8

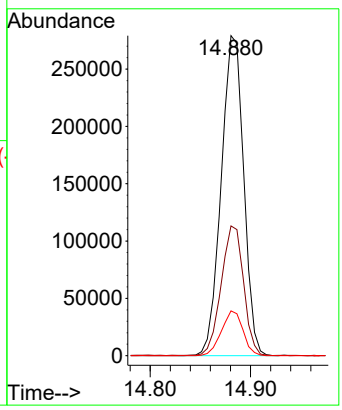




#55
Dibenzofuran
Concen: 49.645 ng
RT: 14.880 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:168 Resp: 43434

Ion	Ratio	Lower	Upper
168	100		
139	40.6	33.2	49.8
169	14.0	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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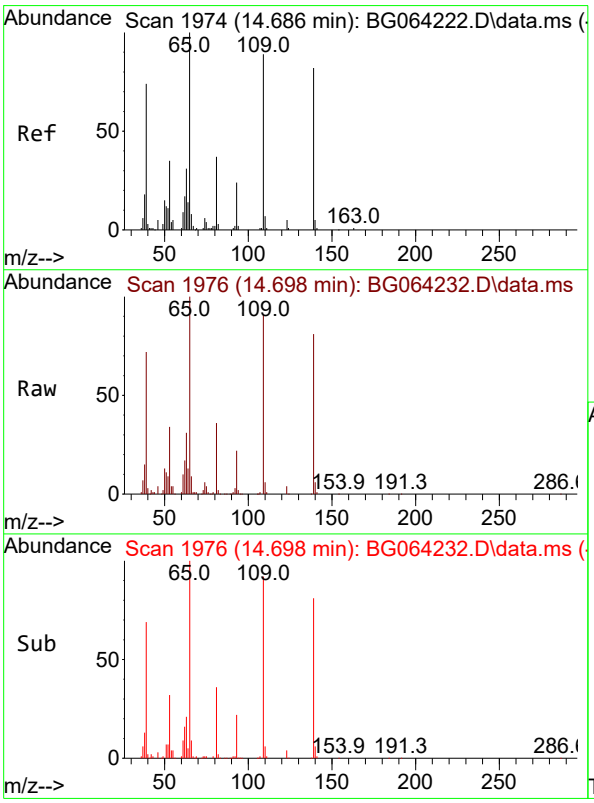
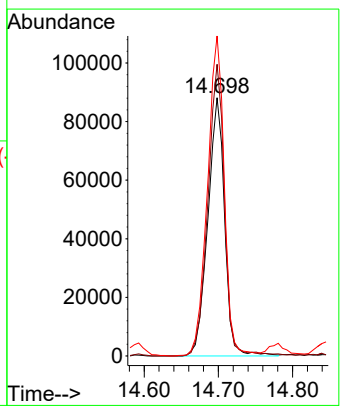
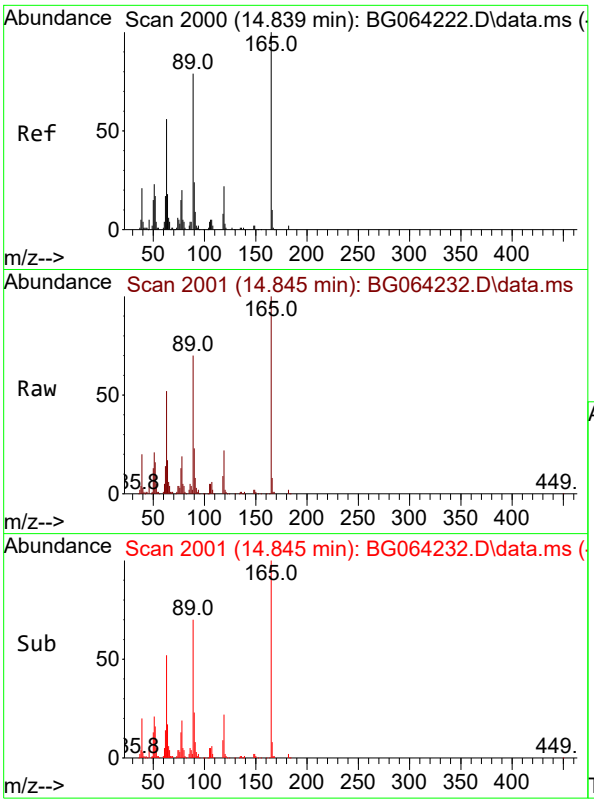


#56
4-Nitrophenol
Concen: 113.230 ng
RT: 14.698 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:139 Resp: 138825

Ion	Ratio	Lower	Upper
139	100		
109	113.0	89.1	129.1
65	123.9	102.9	142.9

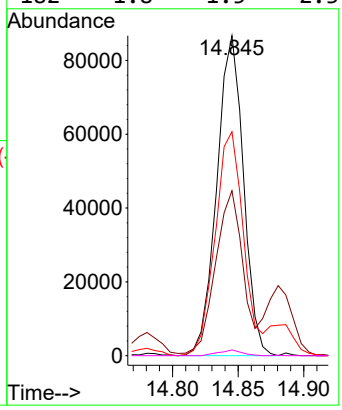




#57
2,4-Dinitrotoluene
Concen: 56.784 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:165 Resp: 12250

Ion	Ratio	Lower	Upper
165	100		
63	51.6	44.6	67.0
89	70.0	63.0	94.4
182	1.8	1.5	2.3



Instrument :
BNA_G
ClientSampleId :
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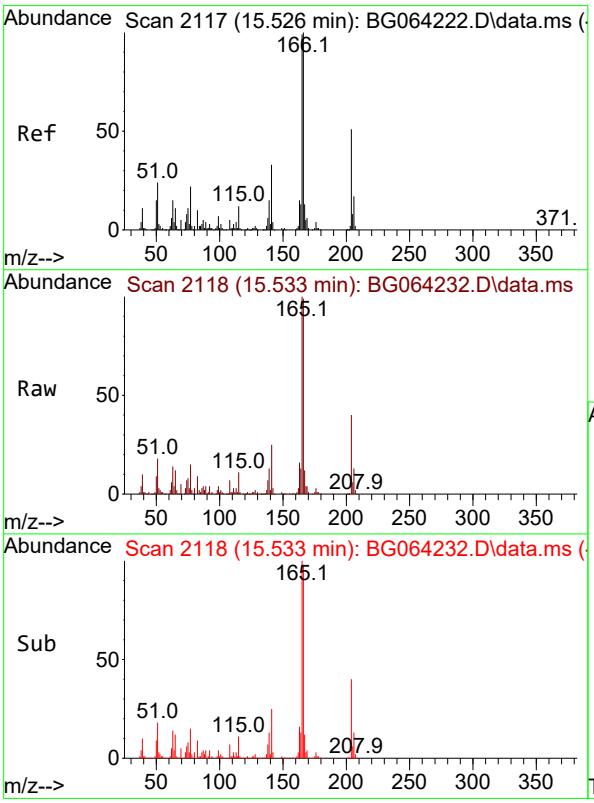
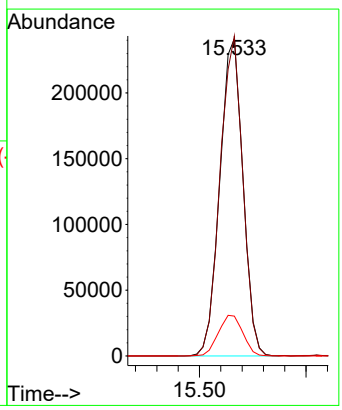
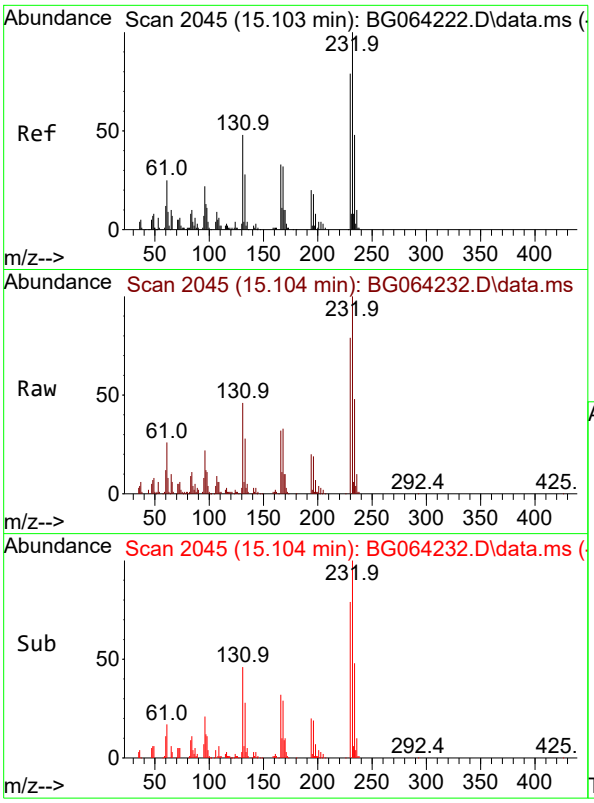


#58
Fluorene
Concen: 50.618 ng
RT: 15.533 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:166 Resp: 362970

Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.1	118.7
167	12.6	10.2	15.4

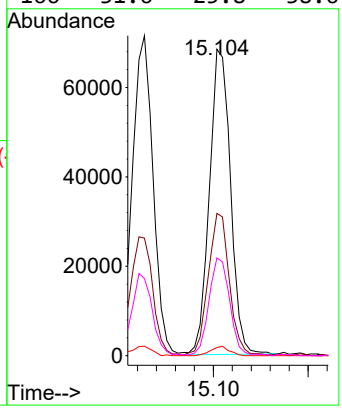




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.804 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:232 Resp: 10541

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.1	55.7
130	2.7	2.6	3.8
166	31.6	25.8	38.6



Instrument :
BNA_G
ClientSampleId :
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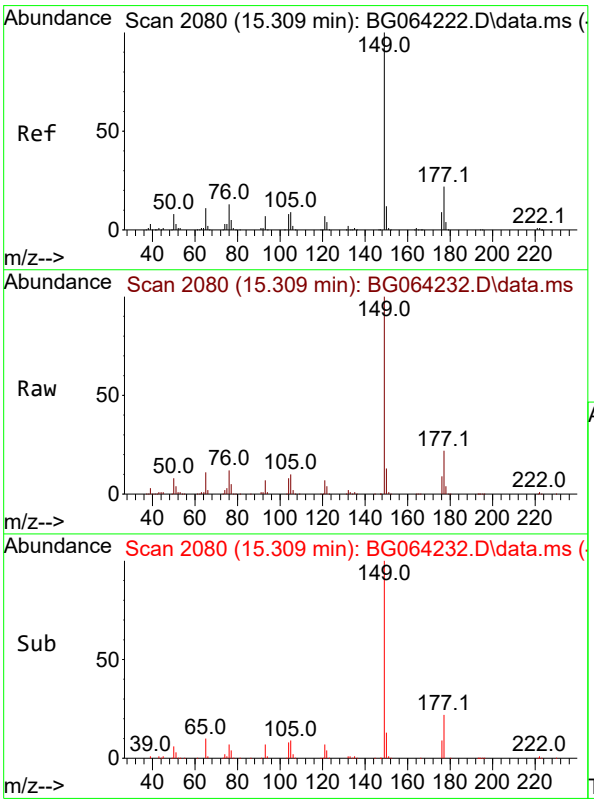
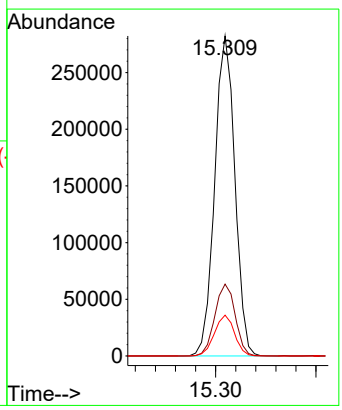
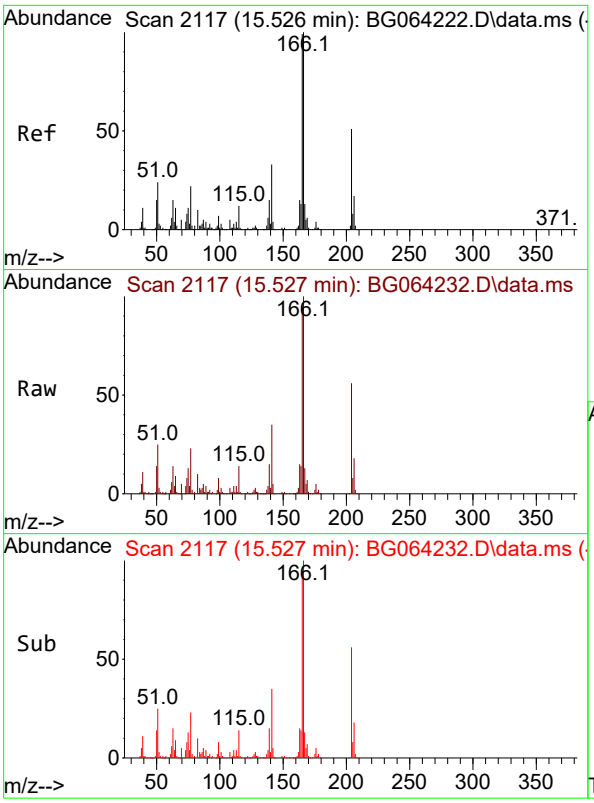


#60
Diethylphthalate
Concen: 49.943 ng
RT: 15.309 min Scan# 2080
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:149 Resp: 393945

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.7	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 49.308 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:204 Resp: 17629

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	63.2	51.9	77.9

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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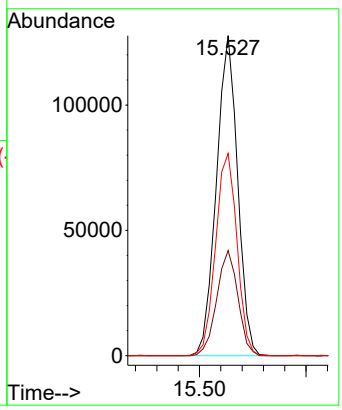
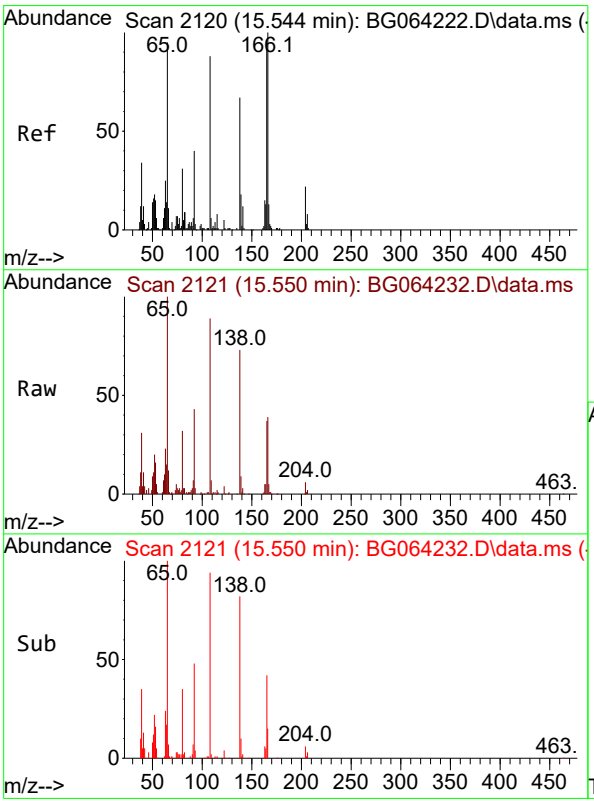
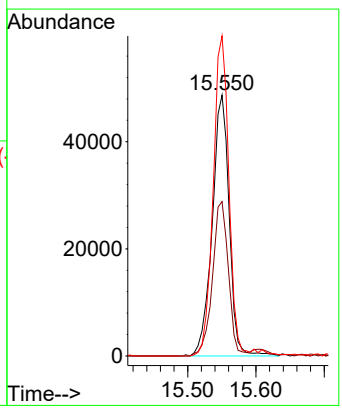


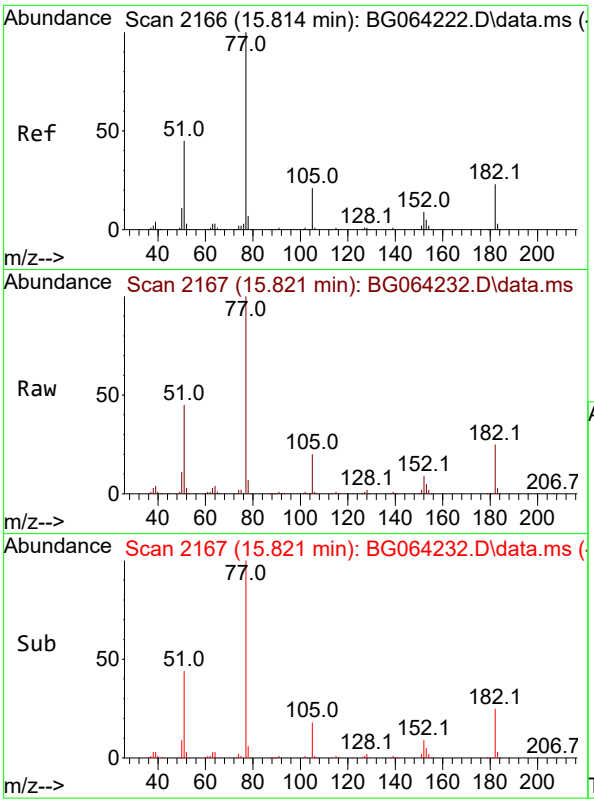


#62
4-Nitroaniline
Concen: 55.255 ng
RT: 15.550 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:138 Resp: 84272

Ion	Ratio	Lower	Upper
138	100		
92	59.2	39.1	79.1
108	122.7	111.3	151.3

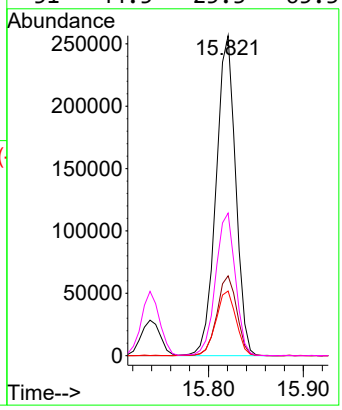




#63
Azobenzene
Concen: 52.388 ng
RT: 15.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion: 77 Resp: 36830

Ion	Ratio	Lower	Upper
77	100		
182	25.0	3.3	43.3
105	20.2	0.6	40.6
51	44.5	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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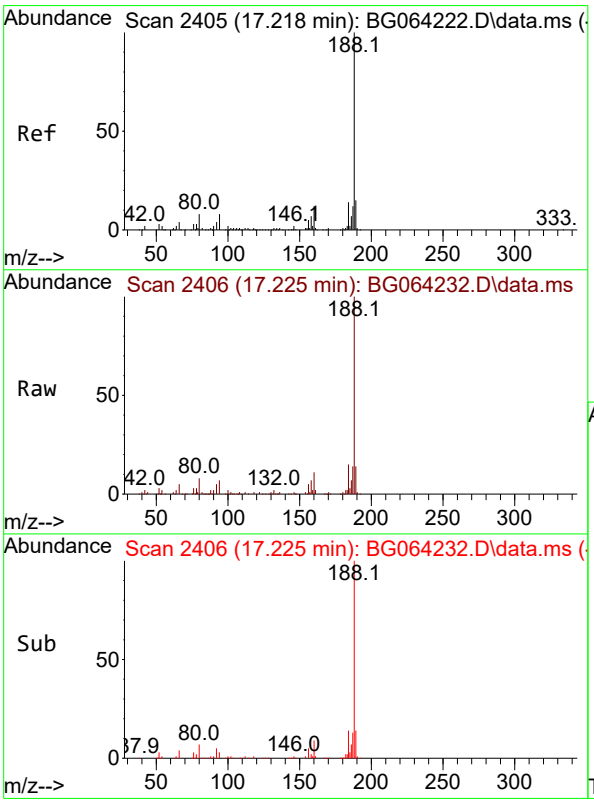
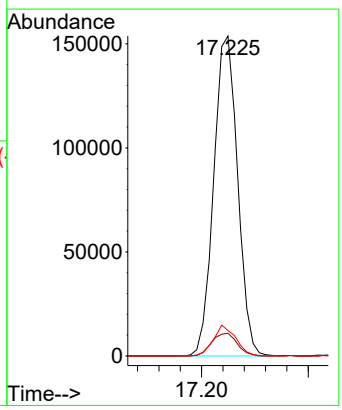
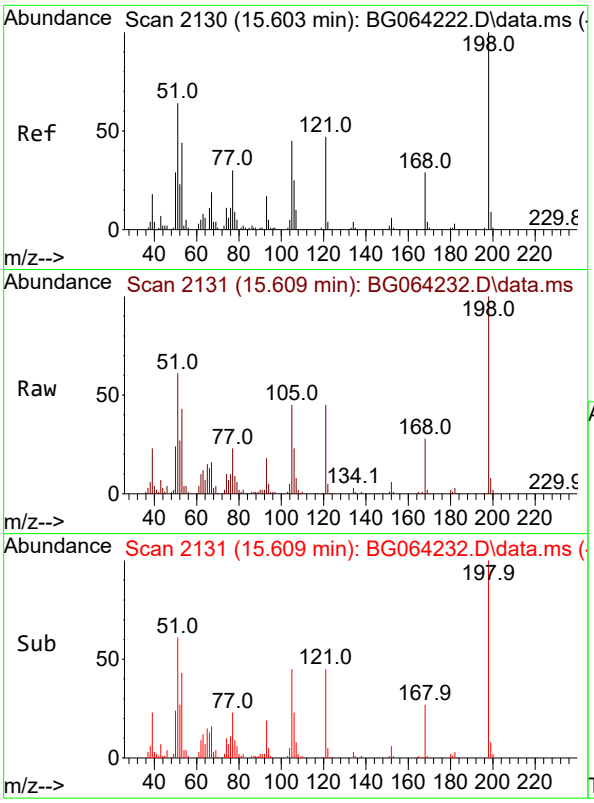


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:188 Resp: 238877

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.2	9.4
80	7.9	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 53.724 ng
RT: 15.609 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:198 Resp: 7368

Ion	Ratio	Lower	Upper
198	100		
51	60.9	46.2	86.2
105	44.6	25.0	65.0

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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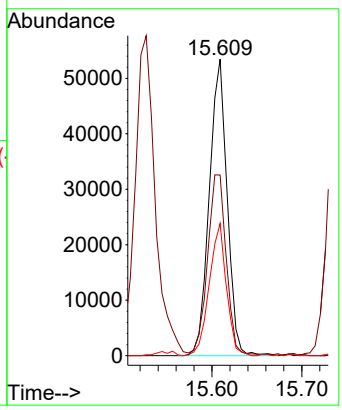
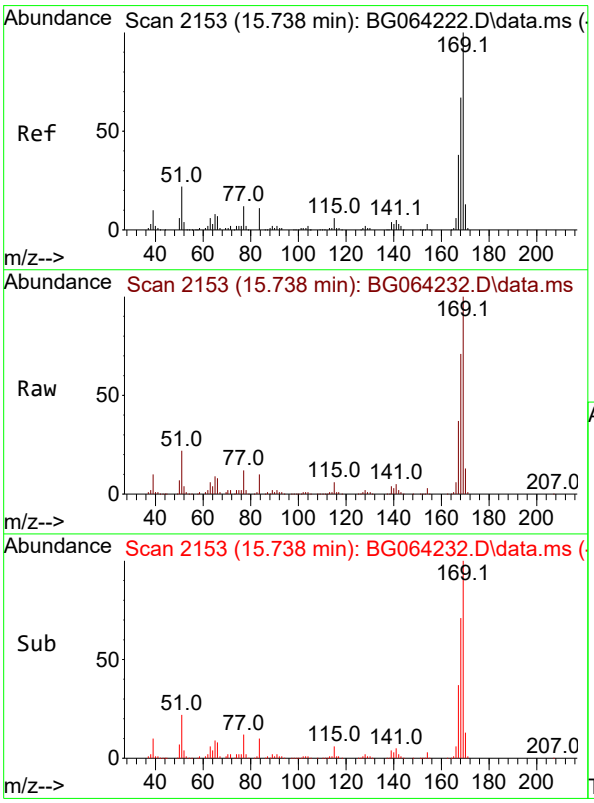
Supervised By :Jagrut Upadhyay 09/02/2025

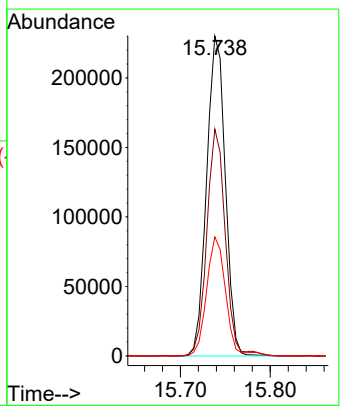


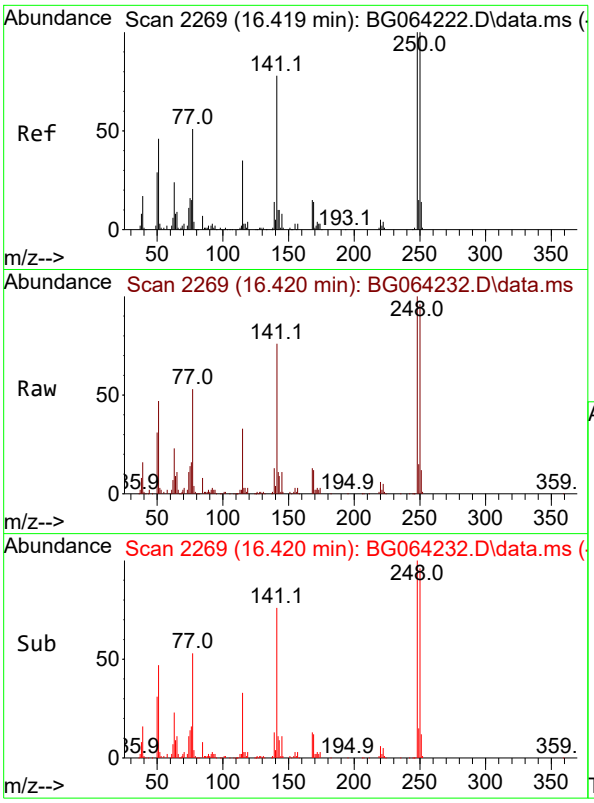


#66
n-Nitrosodiphenylamine
Concen: 50.485 ng
RT: 15.738 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:169 Resp: 331753

Ion	Ratio	Lower	Upper
169	100		
168	70.9	53.8	80.8
167	37.2	30.2	45.2





#67
4-Bromophenyl-phenylether
Concen: 48.399 ng
RT: 16.420 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:248 Resp: 12279

Ion	Ratio	Lower	Upper
248	100		
250	95.7	80.2	120.4
141	76.3	62.4	93.6

Instrument :
BNA_G
ClientSampleId :
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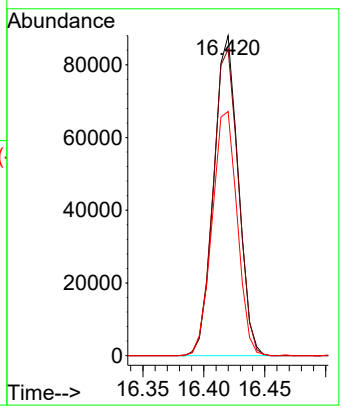
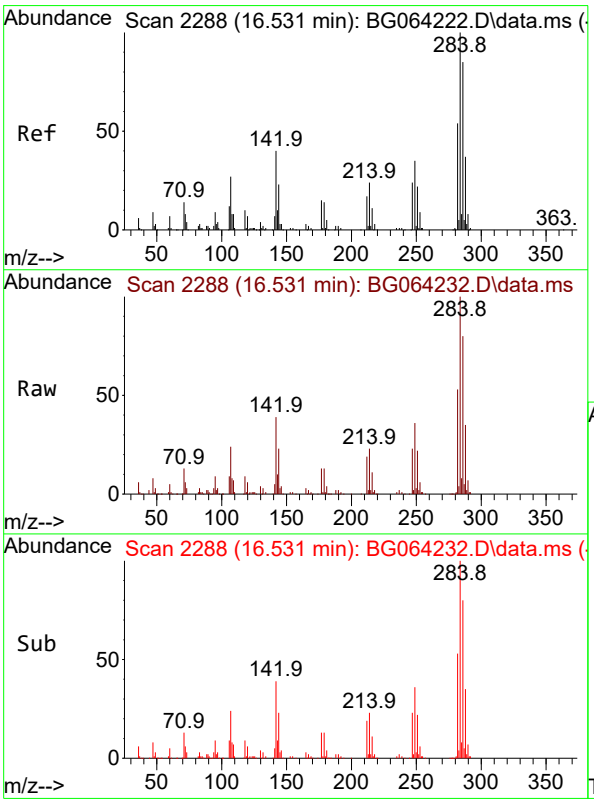
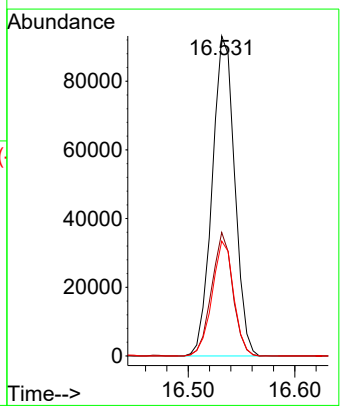


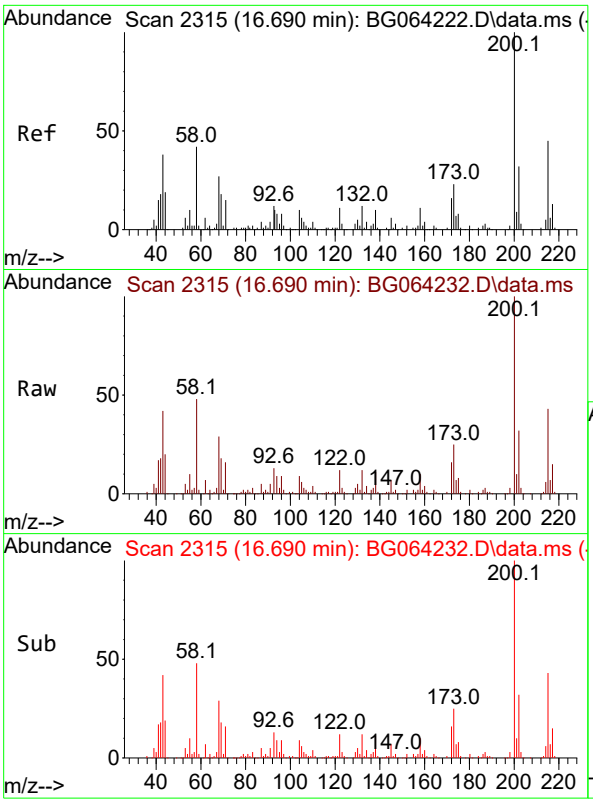


#68
Hexachlorobenzene
Concen: 48.386 ng
RT: 16.531 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:284 Resp: 136326

Ion	Ratio	Lower	Upper
284	100		
142	38.6	32.1	48.1
249	35.9	28.3	42.5





#69
Atrazine
Concen: 49.265 ng
RT: 16.690 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:200 Resp: 13517

Ion	Ratio	Lower	Upper
200	100		
173	25.0	3.5	43.5
215	43.1	24.8	64.8

Instrument :
BNA_G
ClientSampleId :
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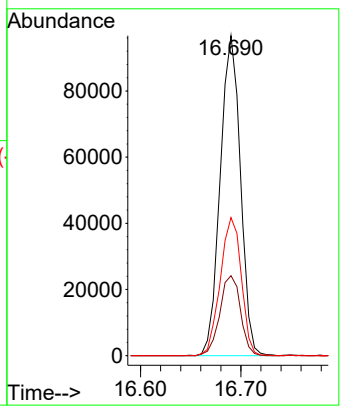
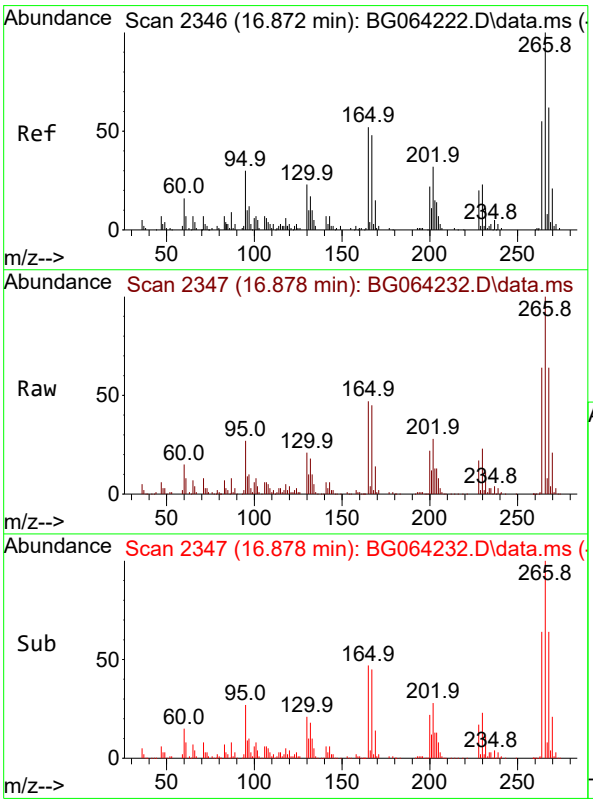
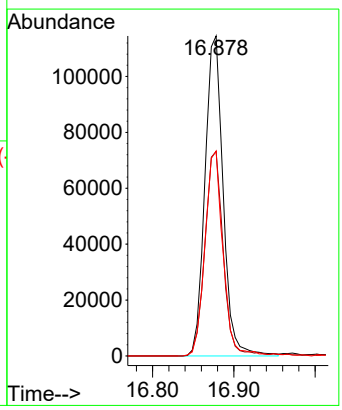


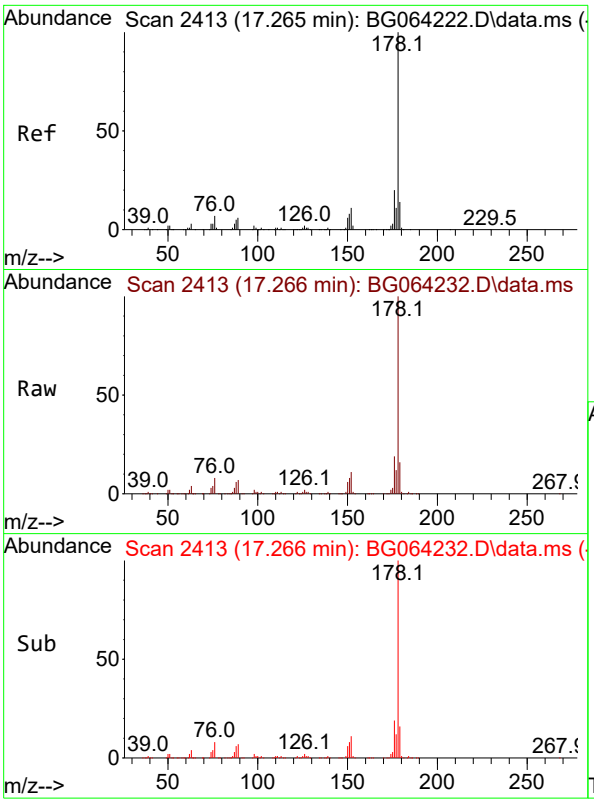


#70
Pentachlorophenol
Concen: 104.036 ng
RT: 16.878 min Scan# 2347
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:266 Resp: 177731

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.4	74.0
264	64.0	44.3	66.5

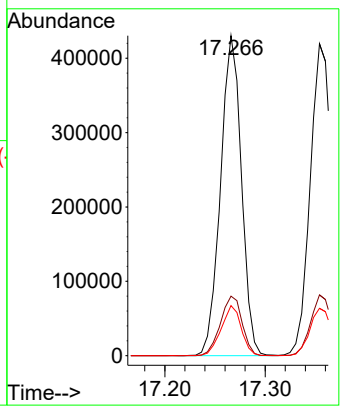




#71
Phenanthrene
Concen: 49.328 ng
RT: 17.266 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:178 Resp: 62149

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	11.4	17.2



Instrument :
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ClientSampleId :
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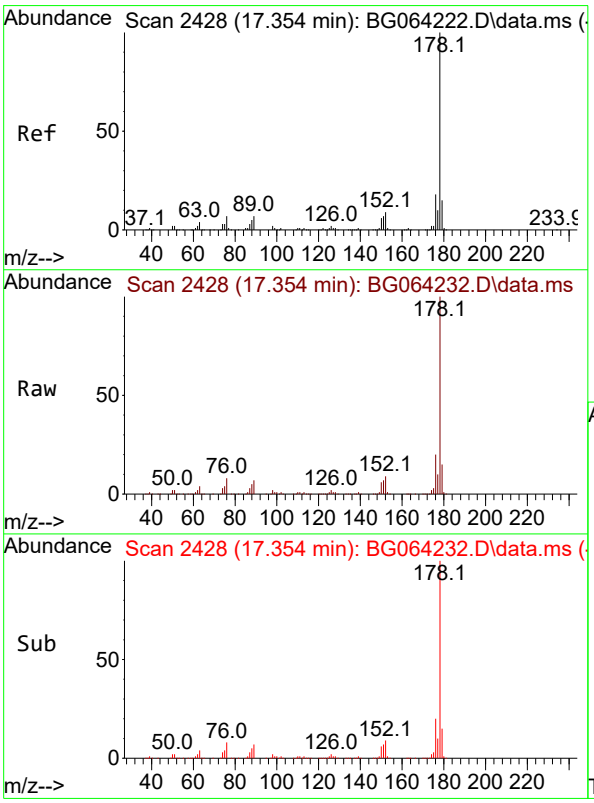
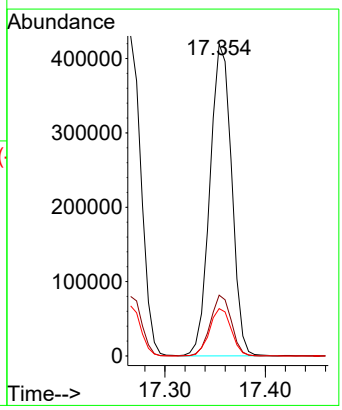
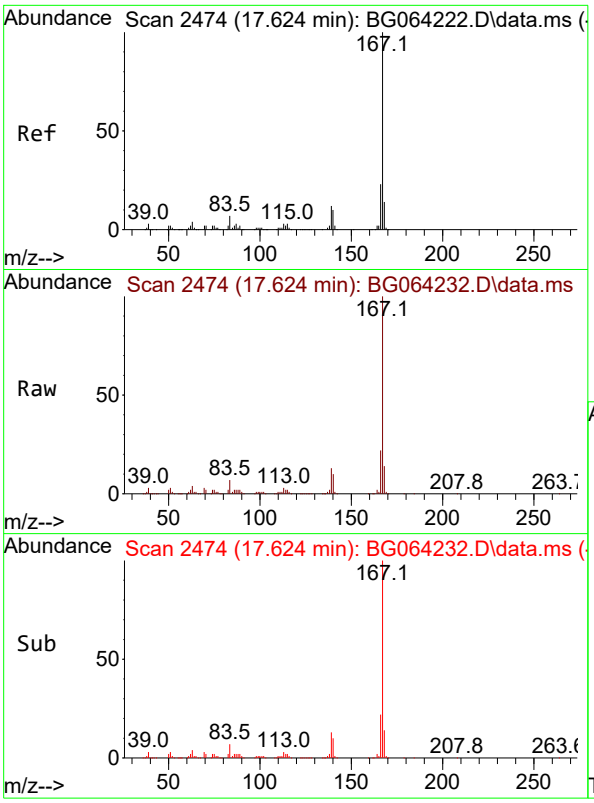


#72
Anthracene
Concen: 49.132 ng
RT: 17.354 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:178 Resp: 629679

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.7	22.1
179	15.2	12.1	18.1

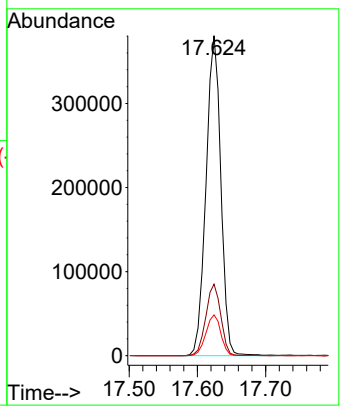




#73
Carbazole
Concen: 50.893 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:167 Resp: 57459(

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.2
139	12.8	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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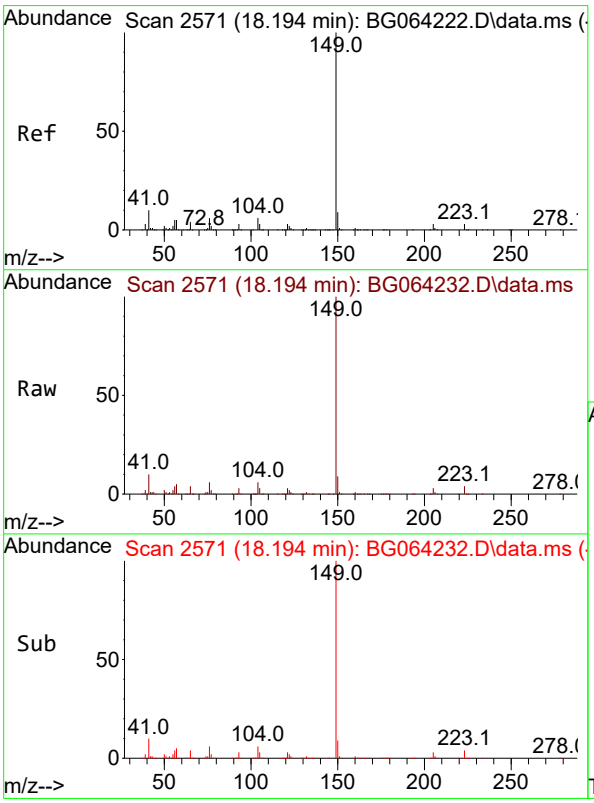
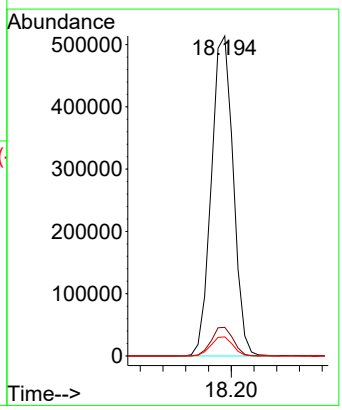
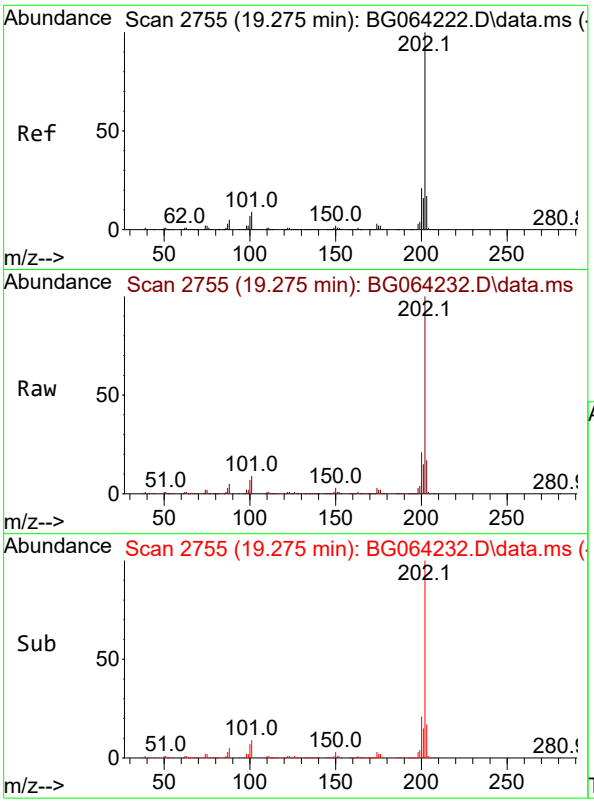


#74
Di-n-butylphthalate
Concen: 50.519 ng
RT: 18.194 min Scan# 2571
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:149 Resp: 685251

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.0	4.6	7.0

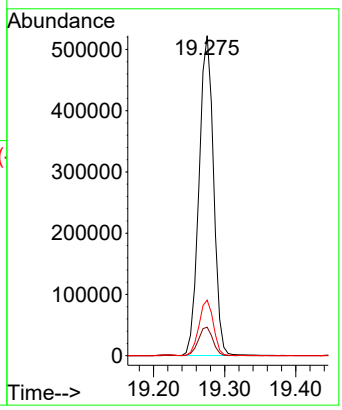




#75
Fluoranthene
Concen: 50.183 ng
RT: 19.275 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:202 Resp: 74342

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.7
203	17.3	0.0	36.9



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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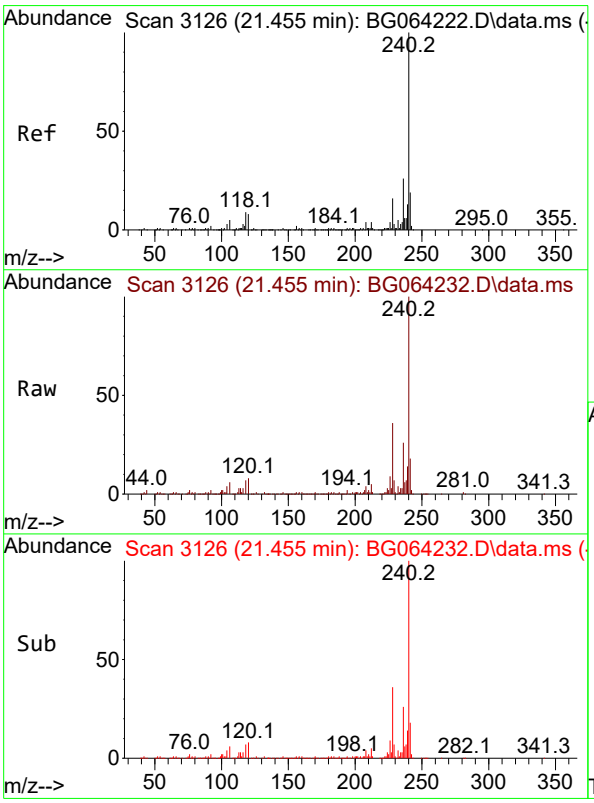
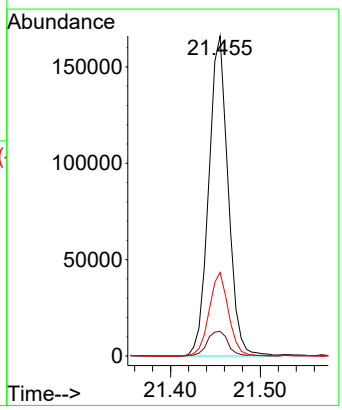
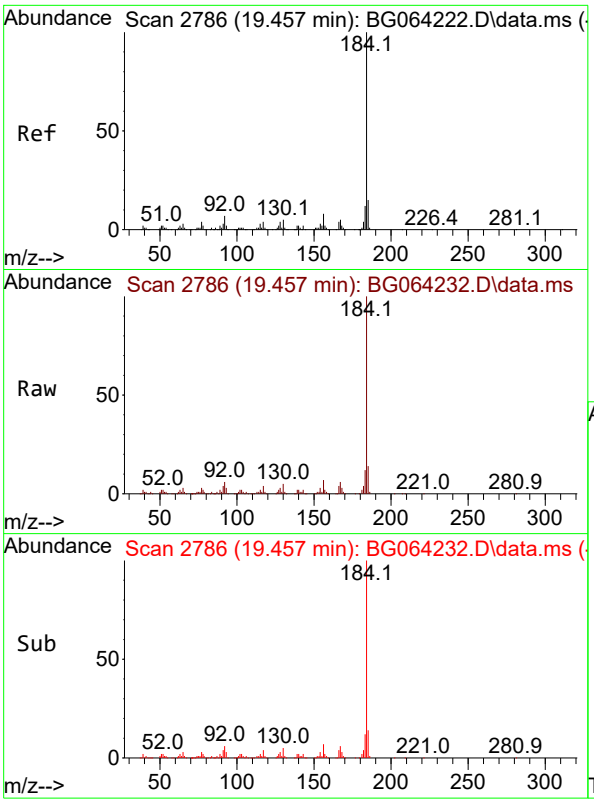


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:240 Resp: 248943

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.2	9.4
236	26.1	20.5	30.7

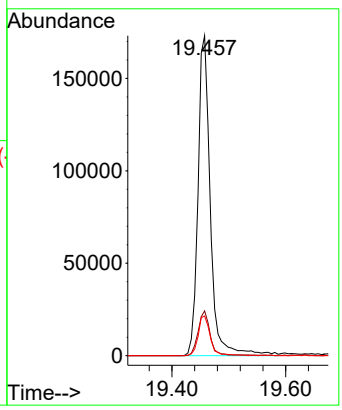




#77
Benzidine
Concen: 49.984 ng
RT: 19.457 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:184 Resp: 26176

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.7	17.5
183	12.4	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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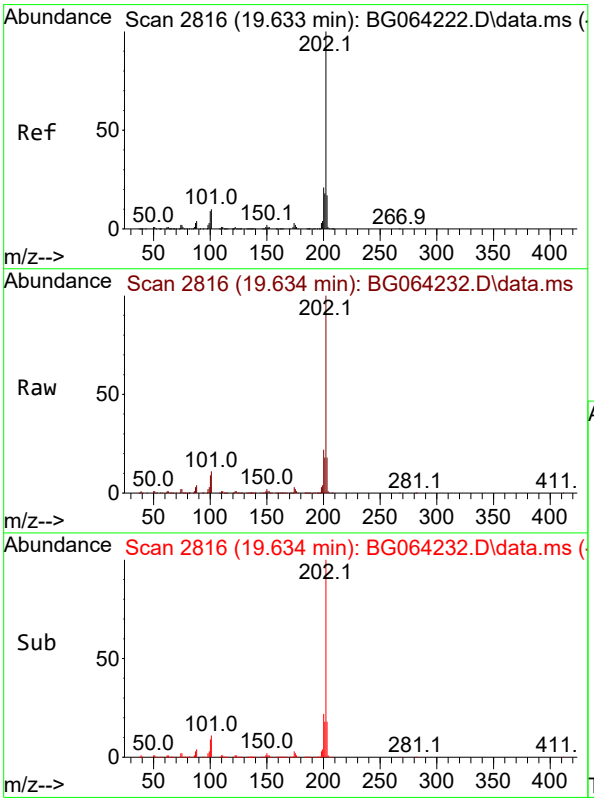
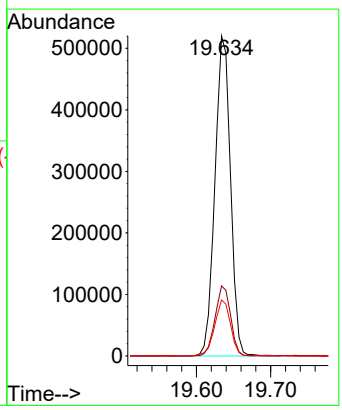
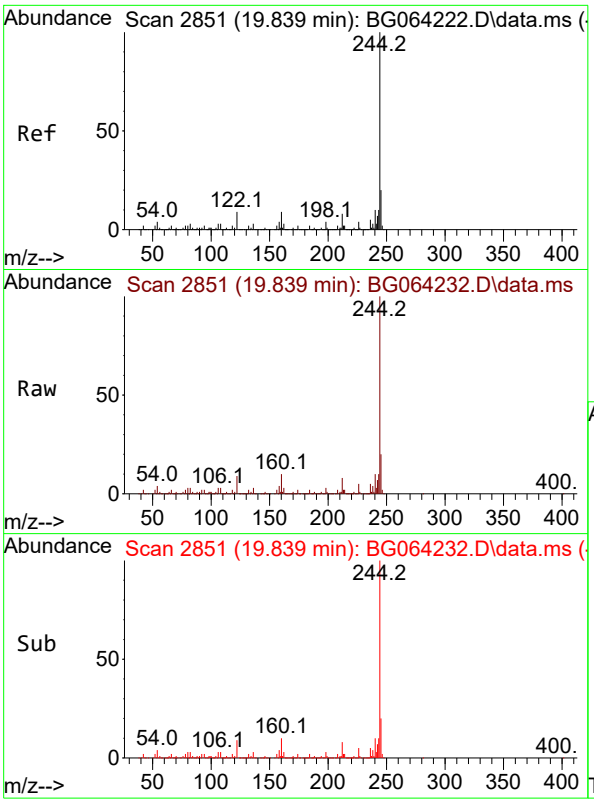


#78
Pyrene
Concen: 48.244 ng
RT: 19.634 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:202 Resp: 756646

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	17.5	13.8	20.8

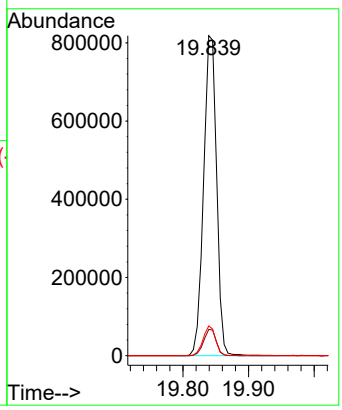




#79
Terphenyl-d14
Concen: 94.691 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:244 Resp: 112985

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	10.0
122	9.3	7.0	10.6



Instrument :
BNA_G
ClientSampleId :
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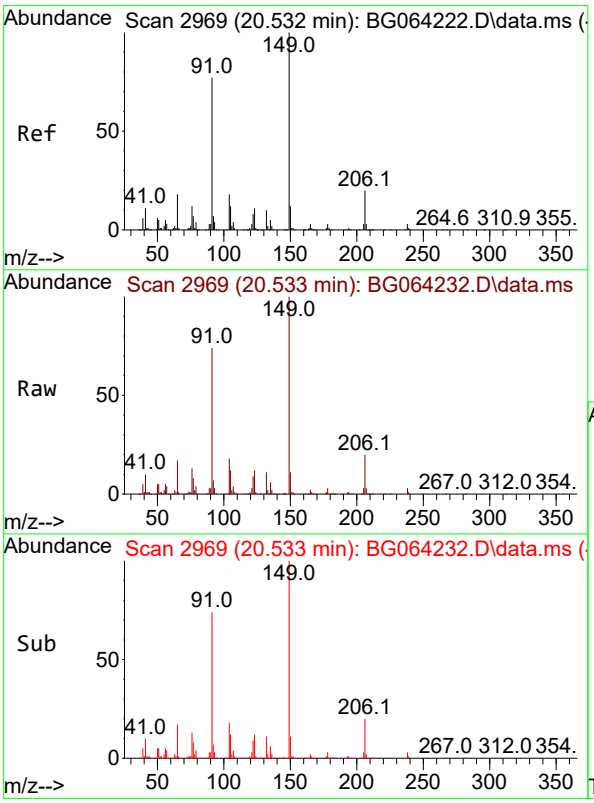
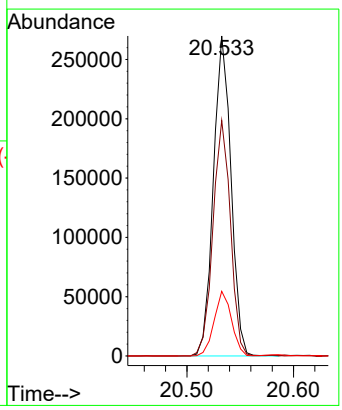
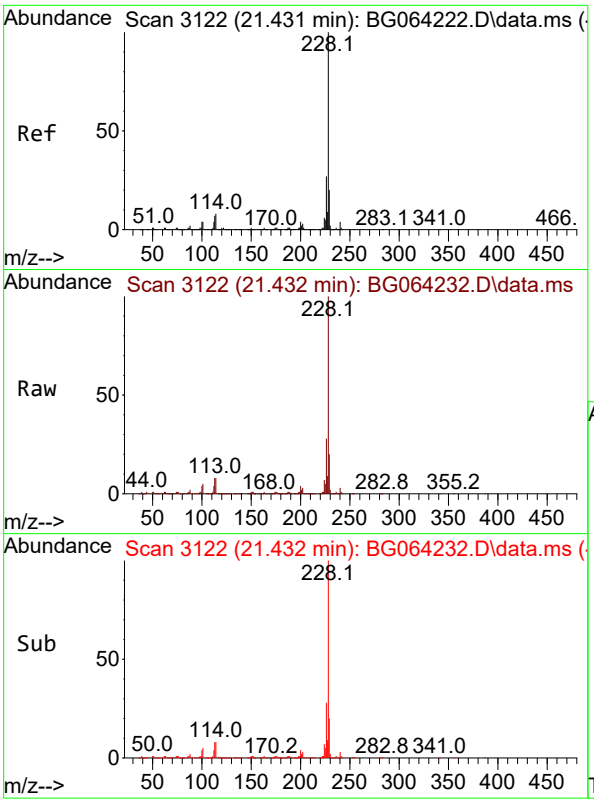


#80
Butylbenzylphthalate
Concen: 52.148 ng
RT: 20.533 min Scan# 2969
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:149 Resp: 308484

Ion	Ratio	Lower	Upper
149	100		
91	73.6	61.4	92.0
206	20.2	15.8	23.6

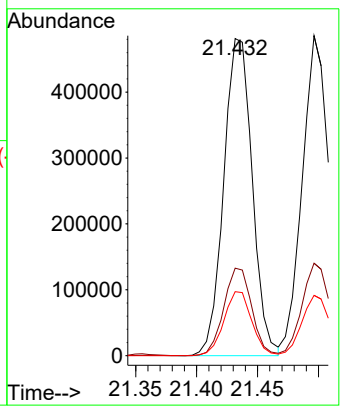




#81
Benzo(a)anthracene
Concen: 49.214 ng
RT: 21.432 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:228 Resp: 78380

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.7	32.5
229	20.2	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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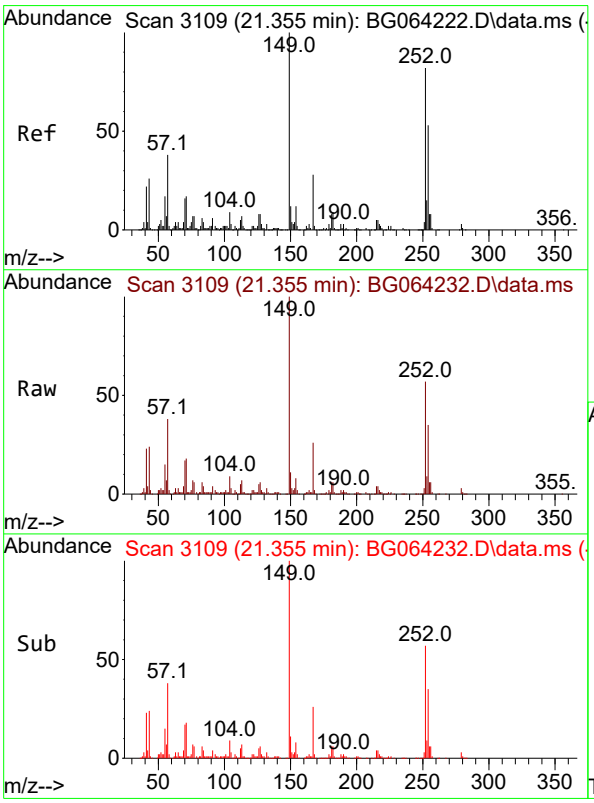
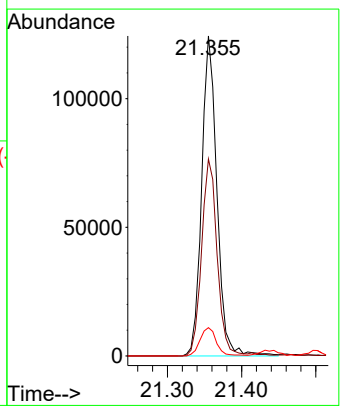
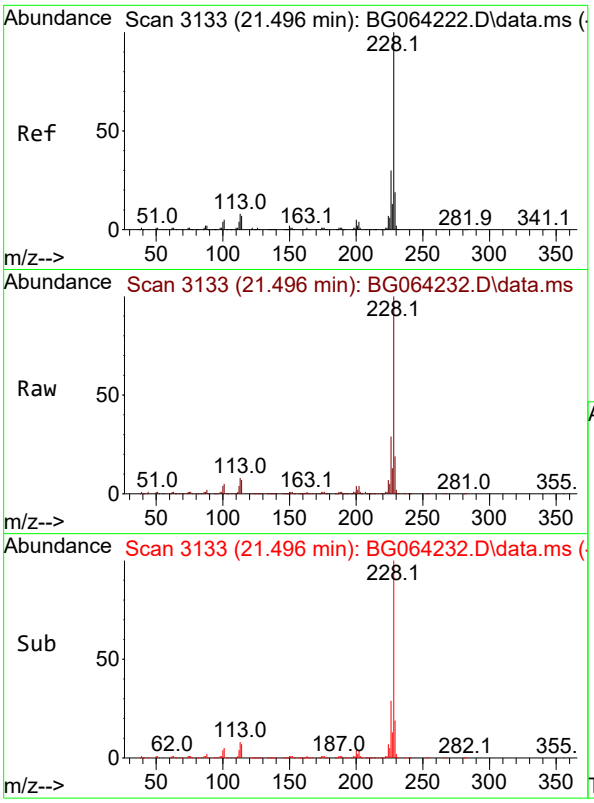


#82
3,3'-Dichlorobenzidine
Concen: 34.356 ng
RT: 21.355 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:252 Resp: 178200

Ion	Ratio	Lower	Upper
252	100		
254	61.5	51.9	77.9
126	8.9	7.6	11.4





#83
Chrysene
Concen: 48.587 ng
RT: 21.496 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:228 Resp: 74288

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	18.9	15.4	23.2

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

Manual Integrations
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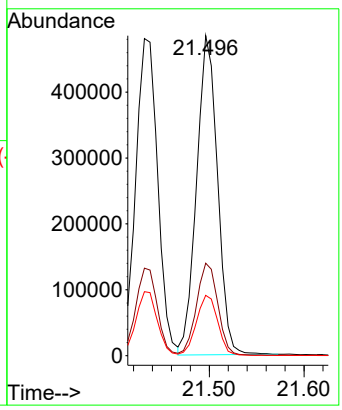
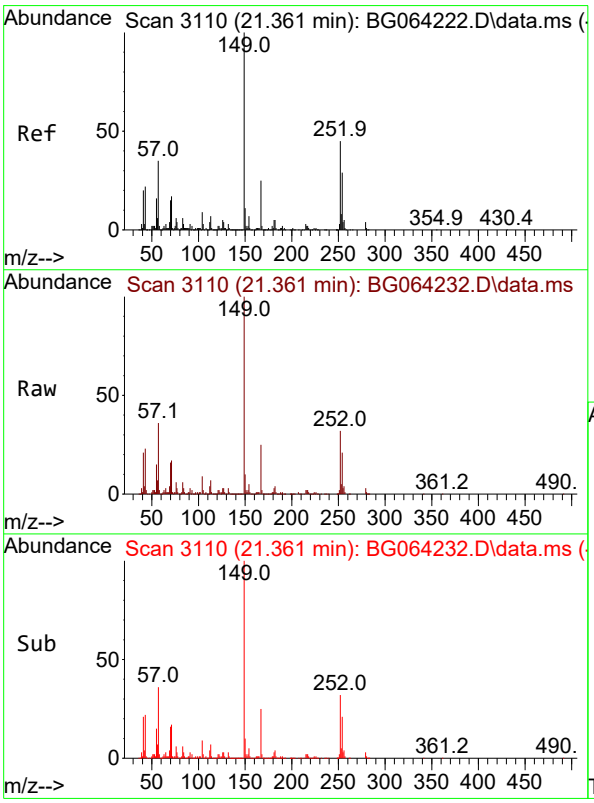
Reviewed By :Rahul Chavli 09/02/2025
Supervised By :Jagrut Upadhyay 09/02/2025

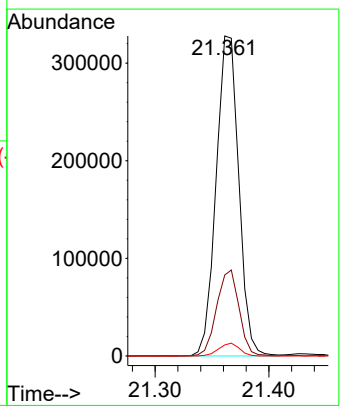


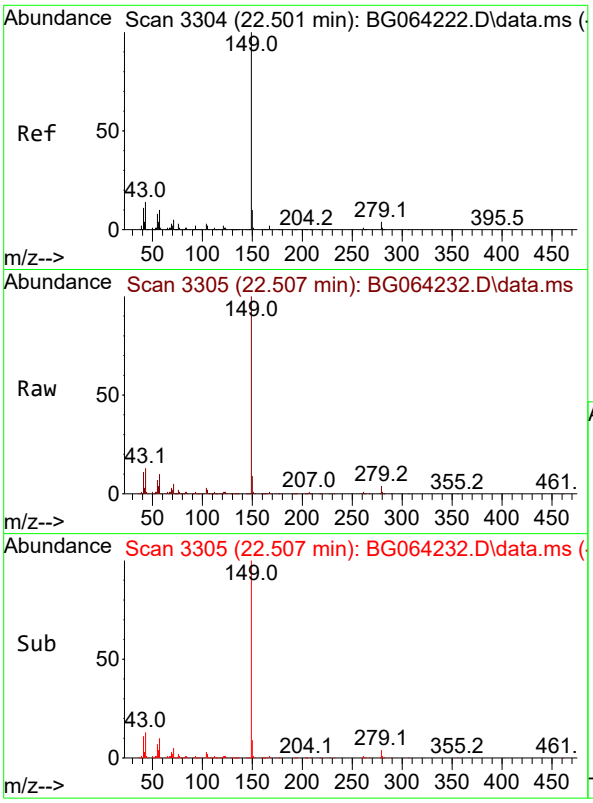


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.079 ng
RT: 21.361 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:149 Resp: 453642

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.0	30.0
279	3.5	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 50.895 ng
RT: 22.507 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:149 Resp: 78759

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	13.1	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

Manual Integrations
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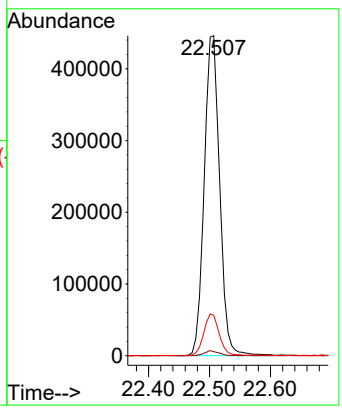
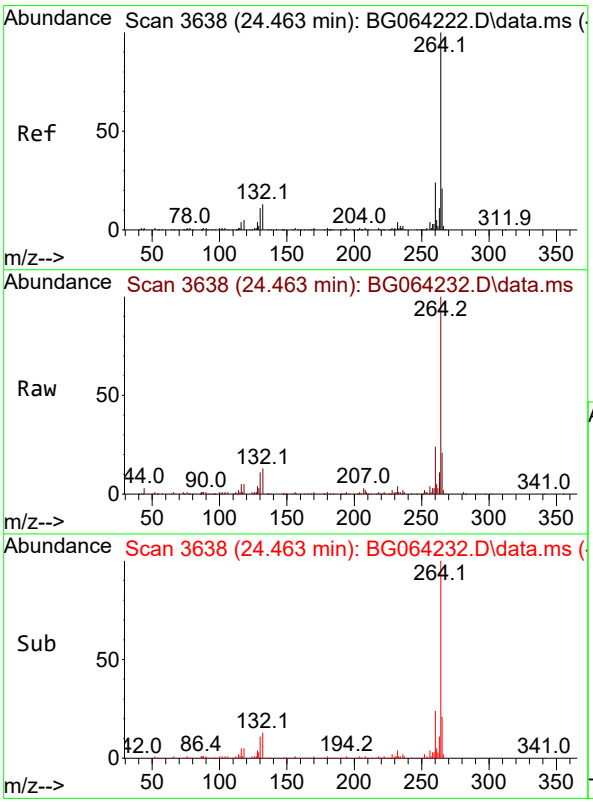
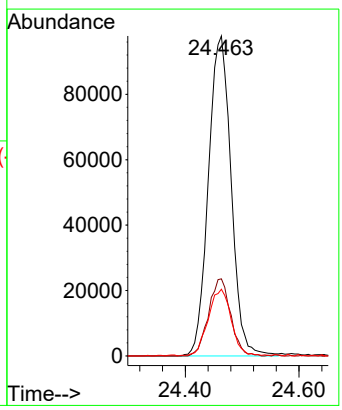


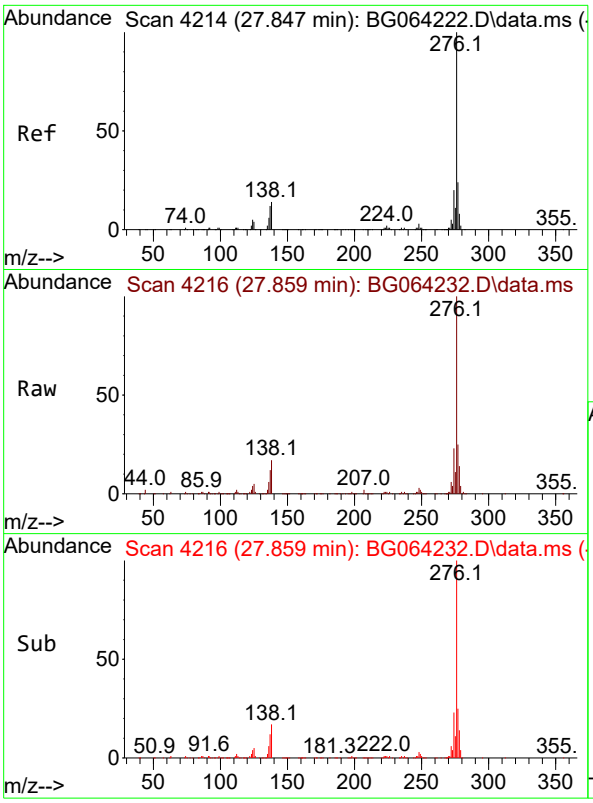


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.463 min Scan# 3638
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:264 Resp: 270995

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	20.9	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 49.660 ng
RT: 27.859 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:276 Resp: 91904

Ion	Ratio	Lower	Upper
276	100		
138	14.6	7.4	11.0#
277	25.4	20.5	30.7

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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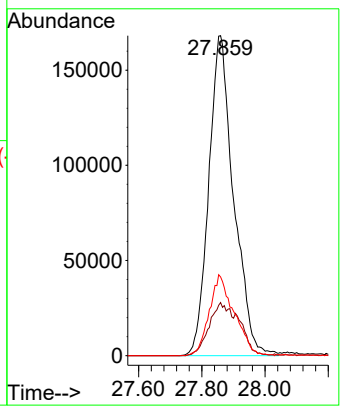
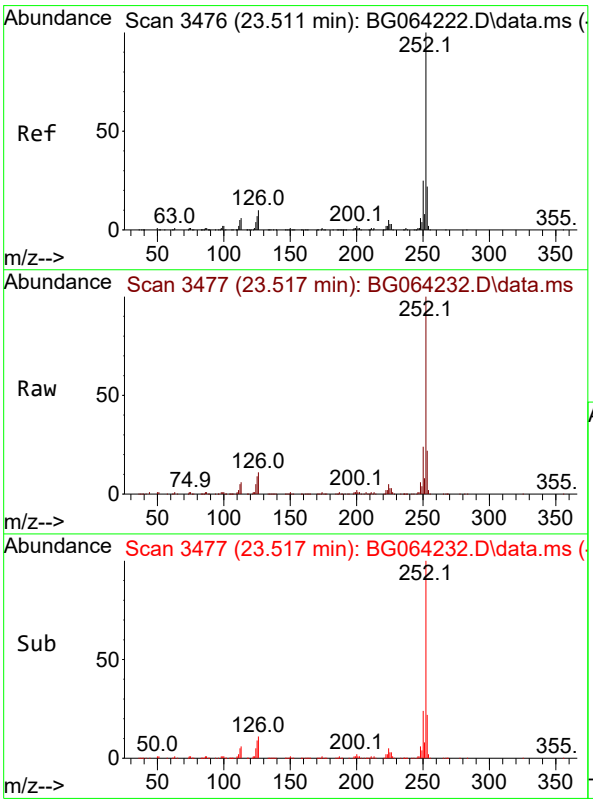
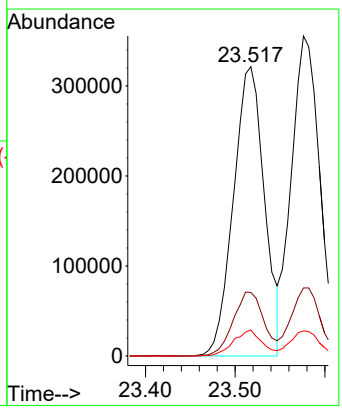


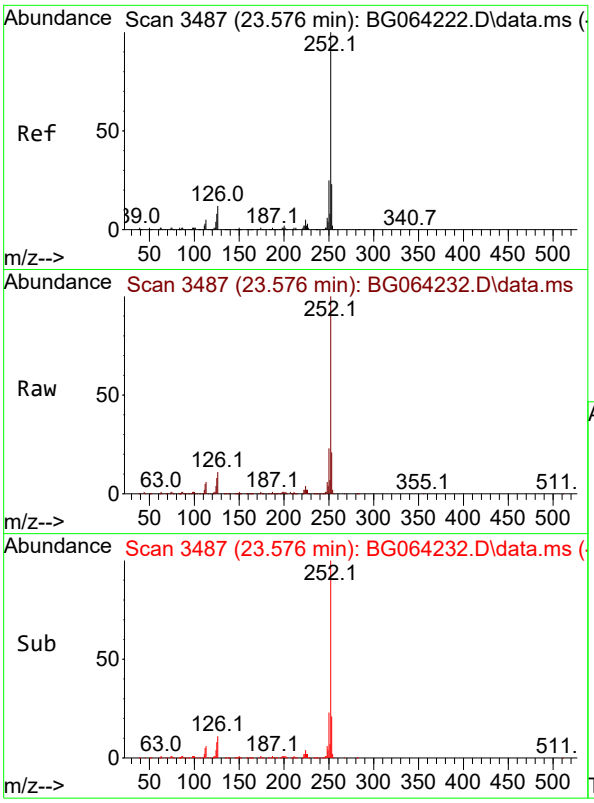


#88
Benzo(b)fluoranthene
Concen: 50.494 ng m
RT: 23.517 min Scan# 3477
Delta R.T. 0.000 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:252 Resp: 772282

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.0	5.9	8.9#





#89
Benzo(k)fluoranthene
Concen: 50.173 ng
RT: 23.576 min Scan# 34
Delta R.T. -0.012 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:252 Resp: 78178

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.4
125	7.9	7.0	10.4

Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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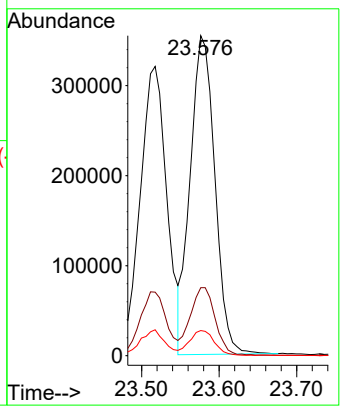
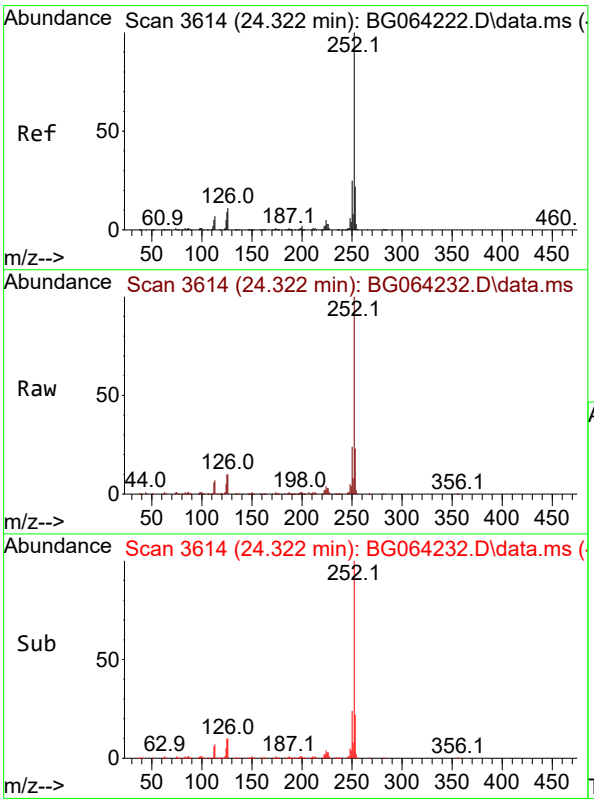
Reviewed By :Rahul Chavli 09/02/2025
Supervised By :Jagrut Upadhyay 09/02/2025

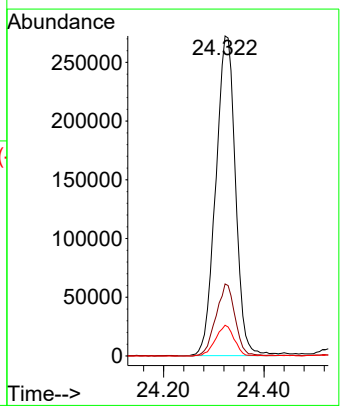


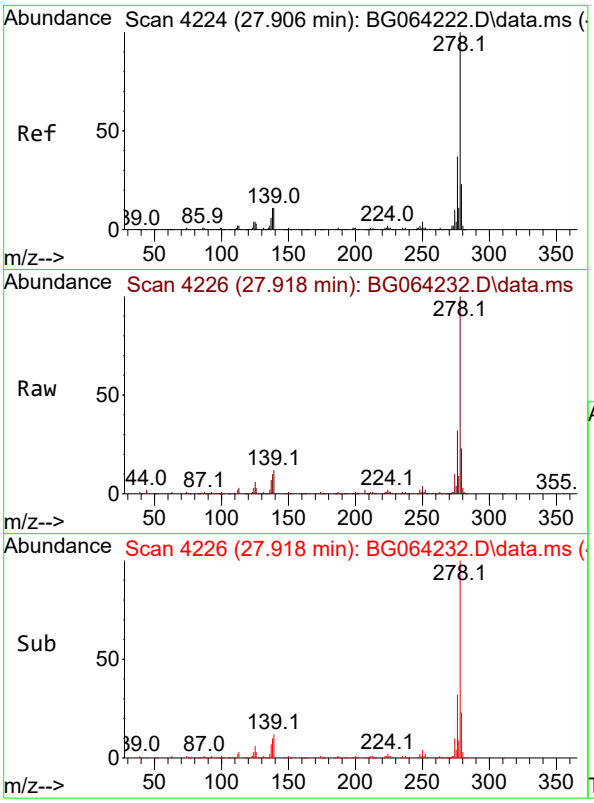


#90
Benzo(a)pyrene
Concen: 52.200 ng
RT: 24.322 min Scan# 3614
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:252 Resp: 742677

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	9.6	7.0	10.6

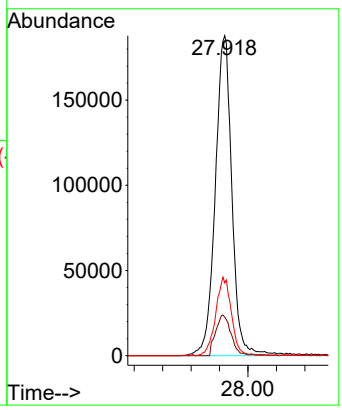




#91
Dibenzo(a,h)anthracene
Concen: 51.176 ng
RT: 27.918 min Scan# 4
Delta R.T. -0.006 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:278 Resp: 76042

Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.0	13.4
279	22.7	18.8	28.2



Instrument :
BNA_G
ClientSampleId :
PB169464BSD

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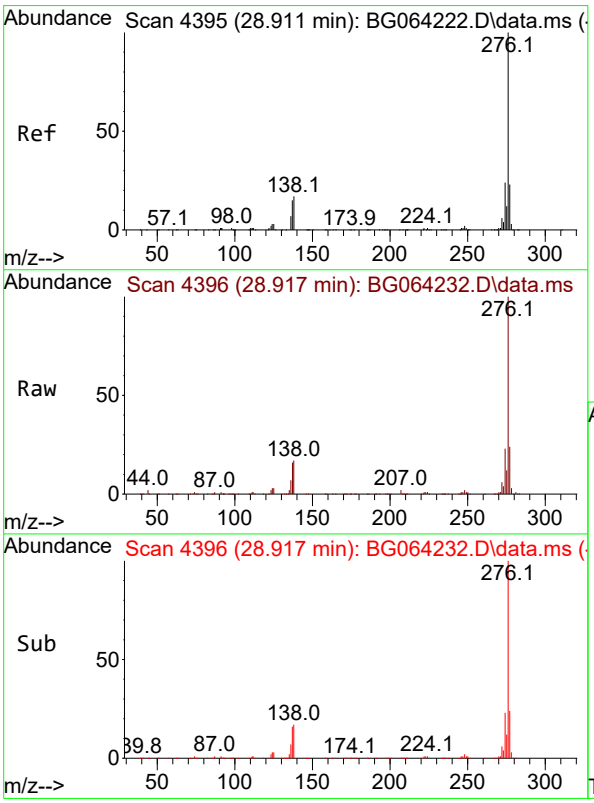
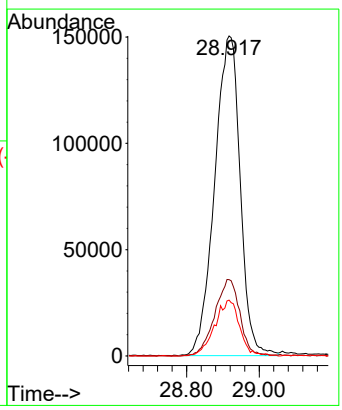


#92
Benzo(g,h,i)perylene
Concen: 50.869 ng
RT: 28.917 min Scan# 4396
Delta R.T. -0.017 min
Lab File: BG064232.D
Acq: 29 Aug 2025 17:56

Tgt Ion:276 Resp: 735508

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.2	27.4
138	17.4	13.3	19.9