

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
 Data File : BG064011.D
 Acq On : 6 Feb 2025 10:57
 Operator : RC/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 06 11:32:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	54415	20.000	ng	0.00
21) Naphthalene-d8	10.660	136	228641	20.000	ng	0.00
39) Acenaphthene-d10	14.497	164	152416	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	354449	20.000	ng	0.00
76) Chrysene-d12	21.471	240	416605	20.000	ng	0.00
86) Perylene-d12	24.497	264	433943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.454	112	441094	129.967	ng	0.00
7) Phenol-d6	7.035	99	600525	128.936	ng	0.00
23) Nitrobenzene-d5	9.021	82	407114	108.215	ng	0.00
42) 2,4,6-Tribromophenol	15.983	330	216437	123.744	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	942575	94.751	ng	0.00
79) Terphenyl-d14	19.861	244	1803433	90.407	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.386	88	7825	4.855	ng	97
3) Pyridine	3.774	79	16253	3.734	ng	# 89
4) n-Nitrosodimethylamine	3.692	42	11298	4.514	ng	# 82
6) Aniline	7.199	93	22948	4.598	ng	95
8) 2-Chlorophenol	7.434	128	16651	4.815	ng	95
9) Benzaldehyde	7.011	77	16481	6.482	ng	95
10) Phenol	7.058	94	21180	4.320	ng	90
11) bis(2-Chloroethyl)ether	7.299	93	17501	4.433	ng	96
12) 1,3-Dichlorobenzene	7.764	146	18429	4.478	ng	95
13) 1,4-Dichlorobenzene	7.905	146	18936	4.556	ng	93
14) 1,2-Dichlorobenzene	7.764	146	18429	4.626	ng	98
15) Benzyl Alcohol	8.104	79	14270	4.099	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.392	45	38169	4.801	ng	98
17) 2-Methylphenol	8.310	107	13077	4.124	ng	97
18) Hexachloroethane	8.956	117	6530	4.774	ng	# 86
19) n-Nitroso-di-n-propyla...	8.668	70	13861	4.298	ng	98
20) 3+4-Methylphenols	8.627	107	17527	4.149	ng	90
22) Acetophenone	8.686	105	28765	4.579	ng	# 98
24) Nitrobenzene	9.062	77	21397	8.354	ng	97
25) Isophorone	9.585	82	36320	4.454	ng	97
26) 2-Nitrophenol	9.767	139	4329	8.649	ng	# 81
27) 2,4-Dimethylphenol	9.838	122	6026	2.569	ng	# 91
28) bis(2-Chloroethoxy)met...	10.073	93	22845	4.402	ng	99
29) 2,4-Dichlorophenol	10.302	162	12122	7.274	ng	97
30) 1,2,4-Trichlorobenzene	10.525	180	17810	4.621	ng	94
31) Naphthalene	10.713	128	54848	4.474	ng	96
32) Benzoic acid	9.902	122	1212	6.447	ng	# 55
33) 4-Chloroaniline	10.813	127	19581	4.169	ng	97
34) Hexachlorobutadiene	11.007	225	11212	4.568	ng	95
35) Caprolactam	11.541	113	4290	8.498	ng	96
36) 4-Chloro-3-methylphenol	11.929	107	15997	4.260	ng	97
37) 2-Methylnaphthalene	12.317	142	37905	4.437	ng	97
38) 1-Methylnaphthalene	12.317	142	37905	4.485	ng	99
40) 1,2,4,5-Tetrachloroben...	12.687	216	20863	4.642	ng	99
41) Hexachlorocyclopentadiene	12.675	237	4022	3.536	ng	92
43) 2,4,6-Trichlorophenol	12.922	196	8660	7.841	ng	90

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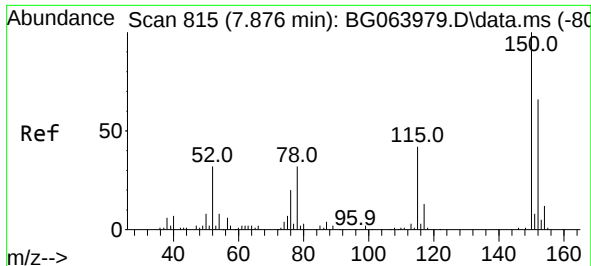
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.987	196	10749	7.259	ng	94
46) 1,1'-Biphenyl	13.333	154	55821	4.810	ng	97
47) 2-Chloronaphthalene	13.369	162	39938	4.722	ng	93
48) 2-Nitroaniline	13.563	65	7888	8.143	ng	91
49) Acenaphthylene	14.215	152	59777	4.550	ng	97
50) Dimethylphthalate	13.950	163	43877	4.342	ng	# 99
51) 2,6-Dinitrotoluene	14.062	165	6131	7.740	ng	# 78
52) Acenaphthene	14.556	154	39447	4.476	ng	97
53) 3-Nitroaniline	14.385	138	6299	7.833	ng	# 71
54) 2,4-Dinitrophenol	14.597	184	1029	5.682	ng	83
55) Dibenzofuran	14.890	168	61767	4.317	ng	97
56) 4-Nitrophenol	14.685	139	5663	11.026	ng	95
57) 2,4-Dinitrotoluene	14.843	165	8543	8.447	ng	# 95
58) Fluorene	15.543	166	48234	4.361	ng	92
59) 2,3,4,6-Tetrachlorophenol	15.114	232	9312	8.104	ng	# 96
60) Diethylphthalate	15.319	149	46475	4.338	ng	# 97
61) 4-Chlorophenyl-phenyle...	15.543	204	23897	4.306	ng	99
62) 4-Nitroaniline	15.549	138	7733	6.904	ng	85
63) Azobenzene	15.831	77	52456	4.145	ng	96
65) 4,6-Dinitro-2-methylph...	15.607	198	2219	6.295	ng	# 78
66) n-Nitrosodiphenylamine	15.748	169	41217	4.194	ng	98
67) 4-Bromophenyl-phenylether	16.430	248	15966	4.526	ng	94
68) Hexachlorobenzene	16.541	284	18644	4.495	ng	# 82
69) Atrazine	16.694	200	15138	4.629	ng	96
70) Pentachlorophenol	16.888	266	7621	11.197	ng	# 78
71) Phenanthrene	17.276	178	83550	4.488	ng	99
72) Anthracene	17.370	178	78066	4.191	ng	99
73) Carbazole	17.634	167	76193	4.369	ng	98
74) Di-n-butylphthalate	18.216	149	80750	4.442	ng	100
75) Fluoranthene	19.285	202	101788	4.490	ng	99
77) Benzidine	19.467	184	23829	2.686	ng	98
78) Pyrene	19.650	202	122279	4.754	ng	98
80) Butylbenzylphthalate	20.554	149	30554	8.565	ng	98
81) Benzo(a)anthracene	21.453	228	122101	4.616	ng	96
82) 3,3'-Dichlorobenzidine	21.377	252	36197	4.394	ng	95
83) Chrysene	21.512	228	125486	4.767	ng	97
84) Bis(2-ethylhexyl)phtha...	21.395	149	50652	7.658	ng	98
85) Di-n-octyl phthalate	22.552	149	77483	9.754	ng	98
87) Indeno(1,2,3-cd)pyrene	27.893	276	128223	4.580	ng	# 91
88) Benzo(b)fluoranthene	23.539	252	110551	4.326	ng	96
89) Benzo(k)fluoranthene	23.604	252	120217	4.582	ng	96
90) Benzo(a)pyrene	24.344	252	103080	4.519	ng	99
91) Dibenzo(a,h)anthracene	27.958	278	104742	4.431	ng	98
92) Benzo(g,h,i)perylene	28.962	276	100841	4.226	ng	92

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

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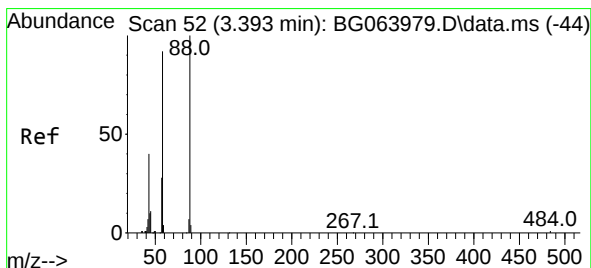
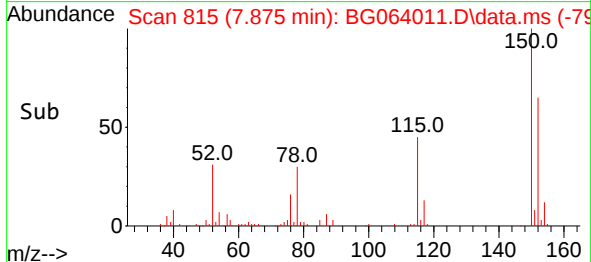
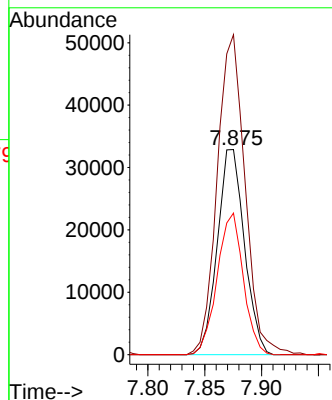
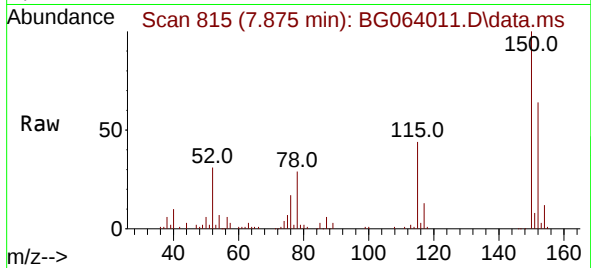
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

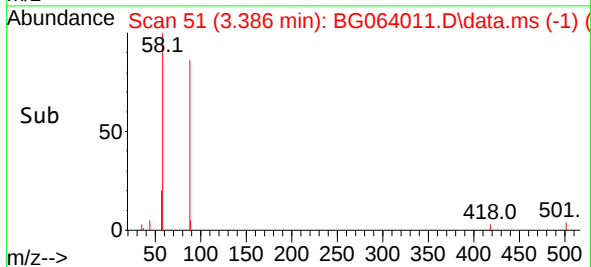
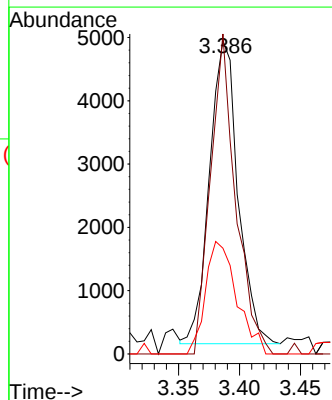
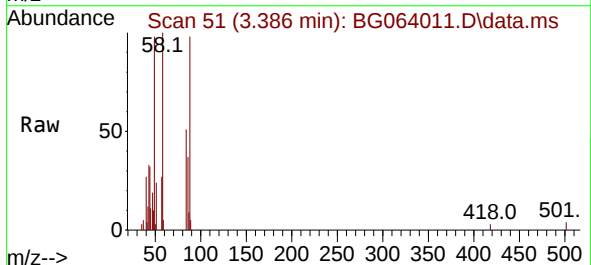
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BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

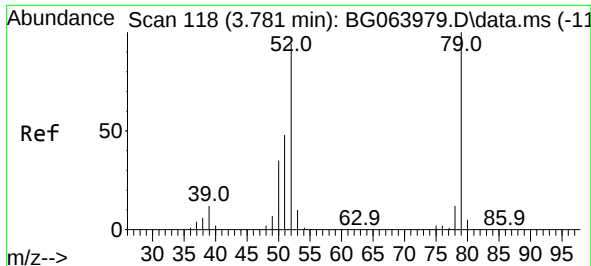
Tgt Ion:152 Resp: 54415
Ion Ratio Lower Upper
152 100
150 156.0 121.0 181.6
115 69.1 50.4 75.6



#2
1,4-Dioxane
Concen: 4.855 ng
RT: 3.386 min Scan# 51
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion: 88 Resp: 7825
Ion Ratio Lower Upper
88 100
58 92.7 71.8 107.8
43 40.4 31.2 46.8

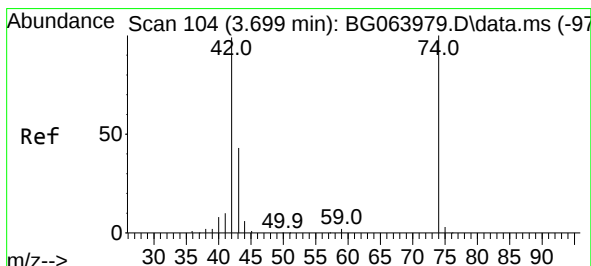
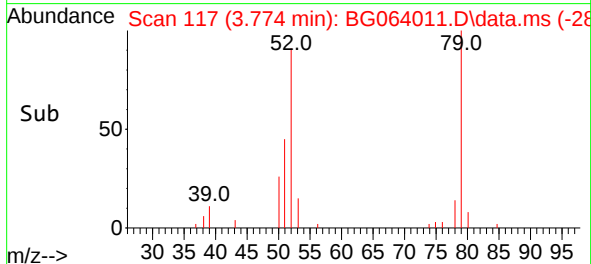
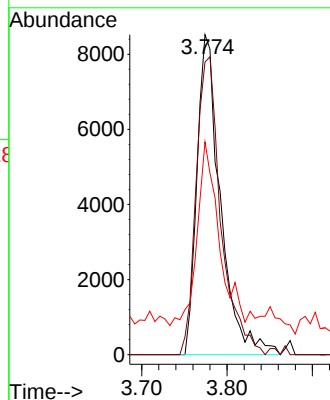
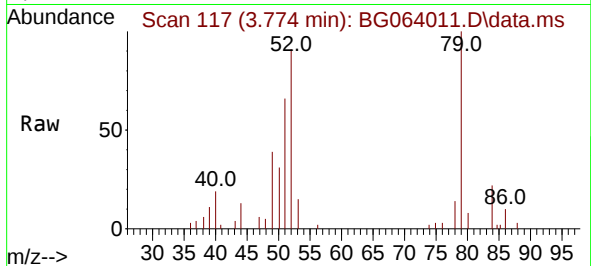




#3
Pyridine
Concen: 3.734 ng
RT: 3.774 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

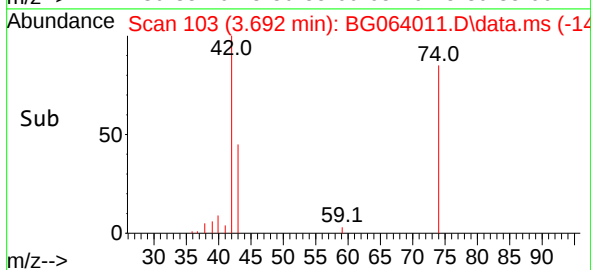
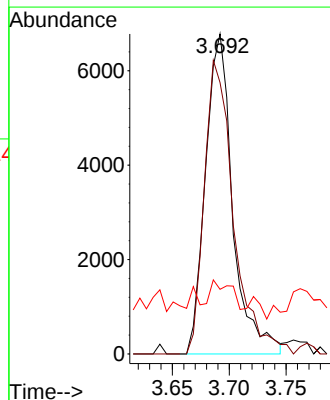
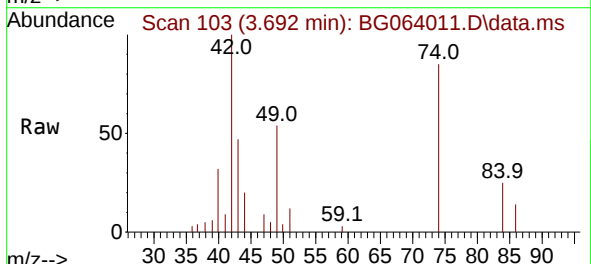
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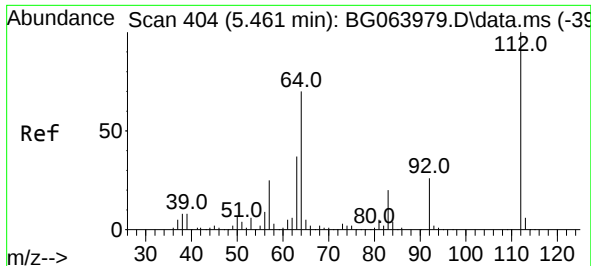
Tgt Ion: 79 Resp: 16253
Ion Ratio Lower Upper
79 100
52 91.4 75.1 112.7
51 66.5 38.9 58.3#



#4
n-Nitrosodimethylamine
Concen: 4.514 ng
RT: 3.692 min Scan# 103
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion: 42 Resp: 11298
Ion Ratio Lower Upper
42 100
74 84.8 80.8 121.2
44 20.2 5.8 8.6#

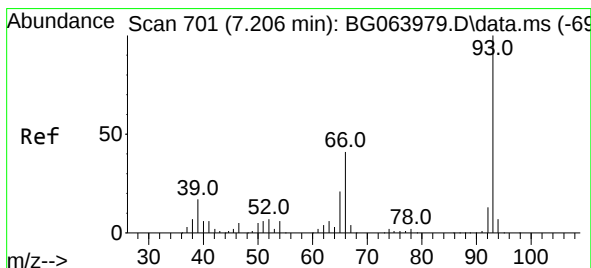
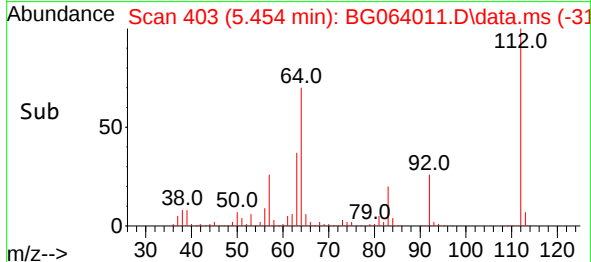
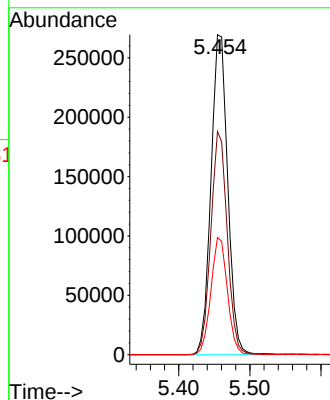
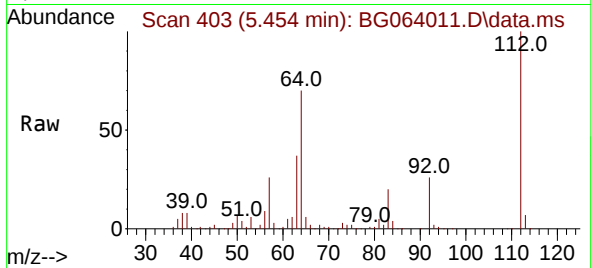




#5
2-Fluorophenol
Concen: 129.967 ng
RT: 5.454 min Scan# 404
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

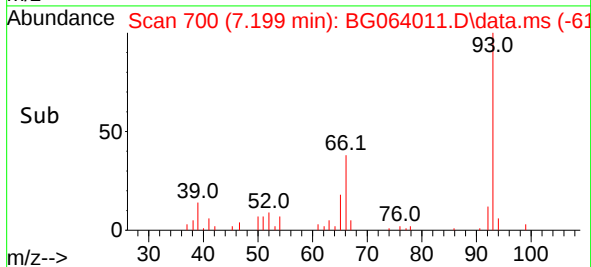
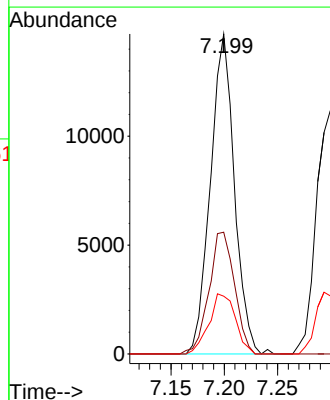
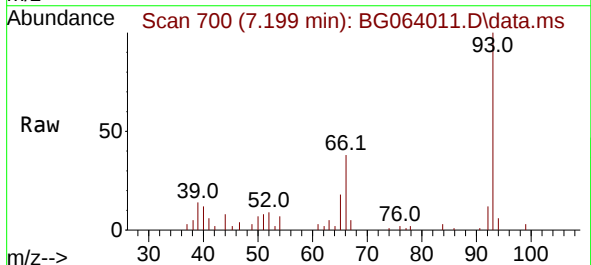
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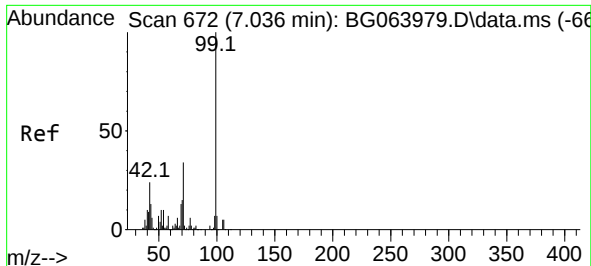
Tgt Ion:112 Resp: 441094
Ion Ratio Lower Upper
112 100
64 69.8 55.8 83.8
63 36.6 29.3 43.9



#6
Aniline
Concen: 4.598 ng
RT: 7.199 min Scan# 700
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion: 93 Resp: 22948
Ion Ratio Lower Upper
93 100
66 38.1 32.5 48.7
65 18.0 16.6 25.0

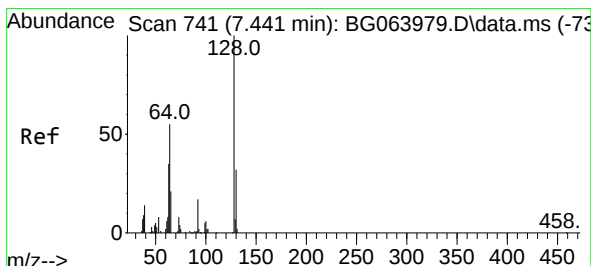
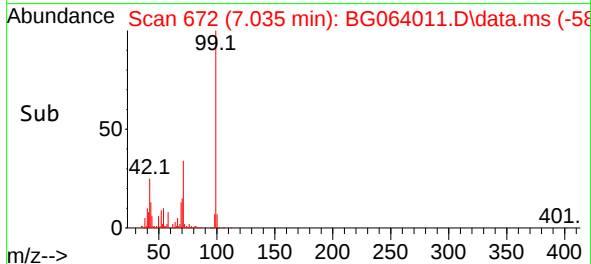
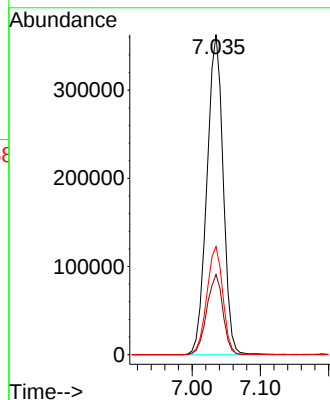
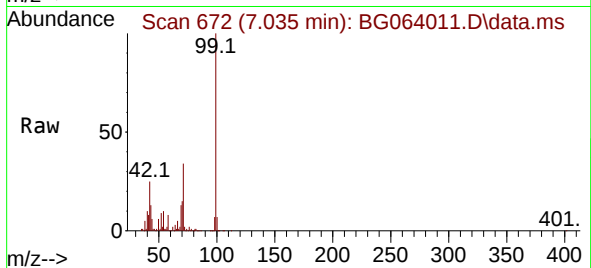




#7
Phenol-d6
Concen: 128.936 ng
RT: 7.035 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

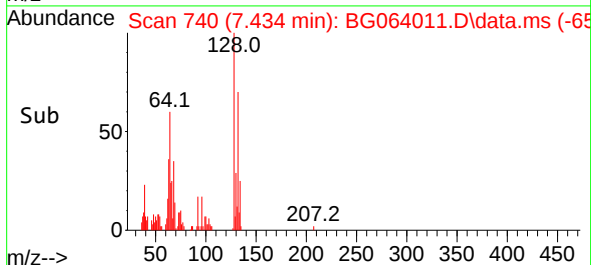
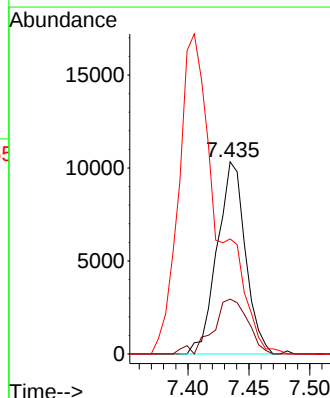
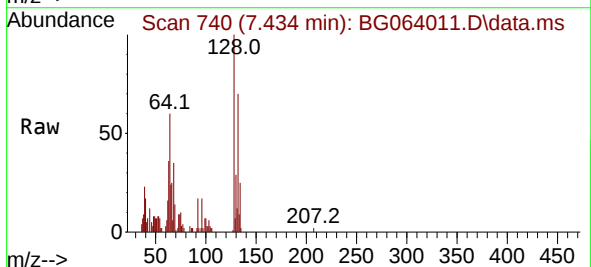
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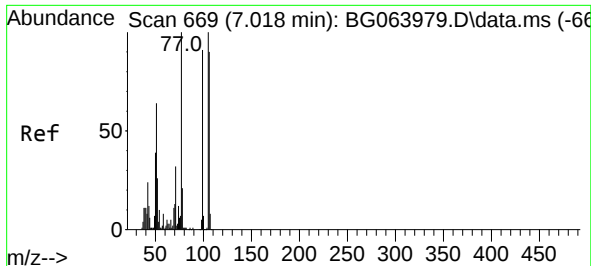
Tgt Ion: 99 Resp: 600525
Ion Ratio Lower Upper
99 100
42 25.0 18.9 28.3
71 33.8 27.0 40.6



#8
2-Chlorophenol
Concen: 4.815 ng
RT: 7.434 min Scan# 740
Delta R.T. -0.007 min
Lab File: BG064011.D
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Tgt Ion:128 Resp: 16651
Ion Ratio Lower Upper
128 100
130 28.6 11.9 51.9
64 59.8 36.8 76.8

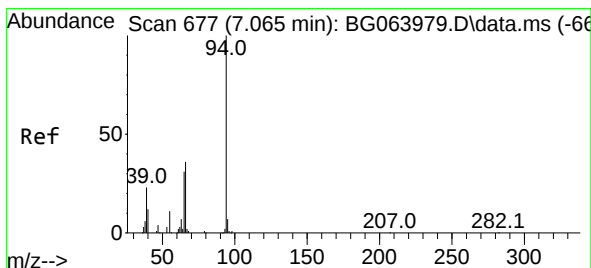
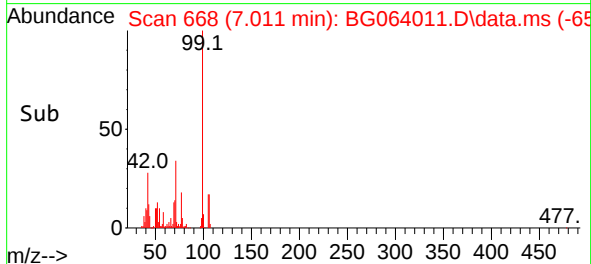
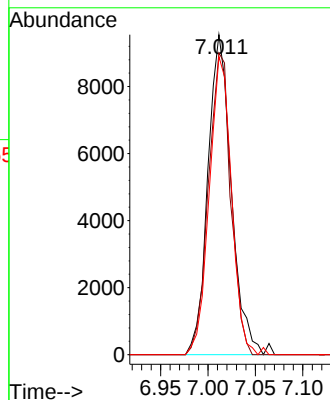
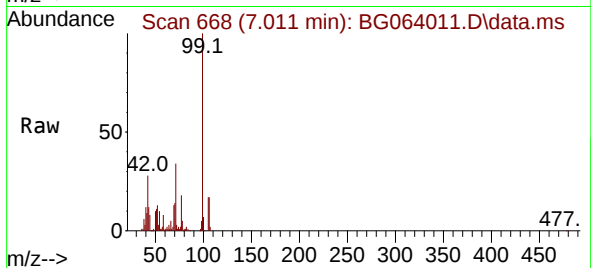




#9
Benzaldehyde
Concen: 6.482 ng
RT: 7.011 min Scan# 609
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

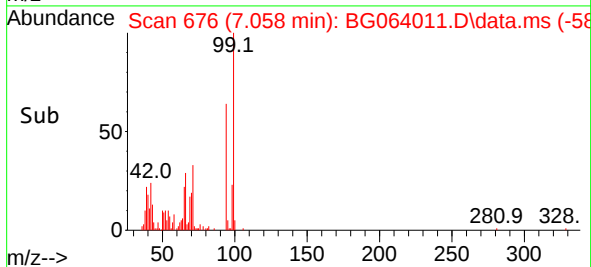
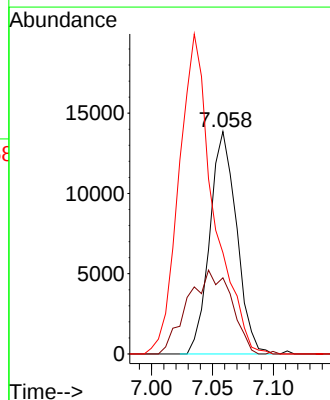
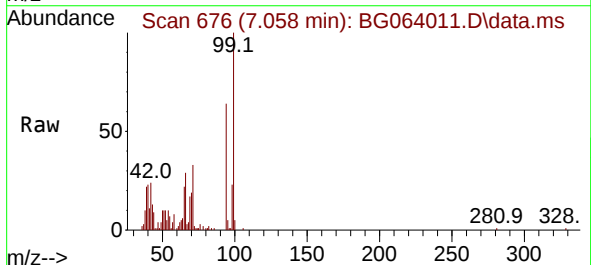
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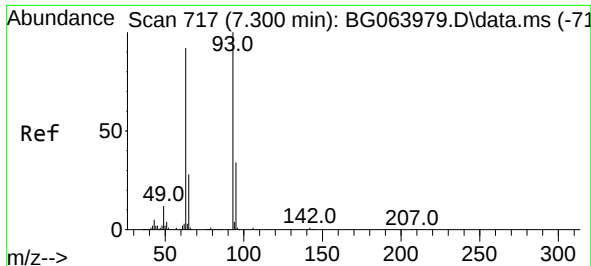
Tgt Ion: 77 Resp: 16481
Ion Ratio Lower Upper
77 100
105 94.3 79.8 119.8
106 93.1 69.9 109.9



#10
Phenol
Concen: 4.320 ng
RT: 7.058 min Scan# 676
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion: 94 Resp: 21180
Ion Ratio Lower Upper
94 100
65 34.2 11.4 51.4
66 45.6 16.7 56.7

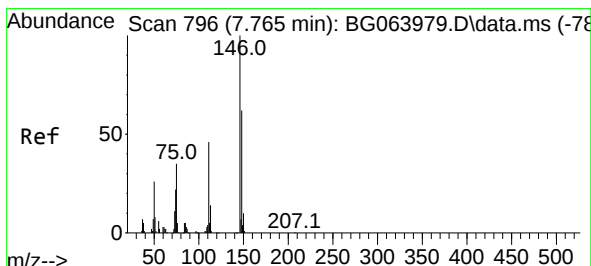
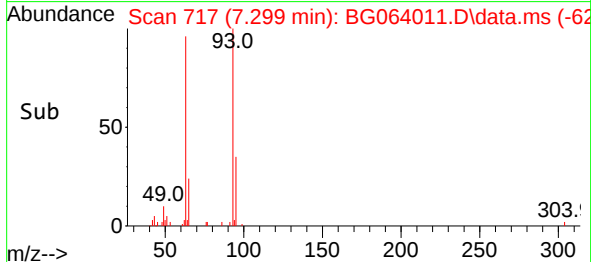
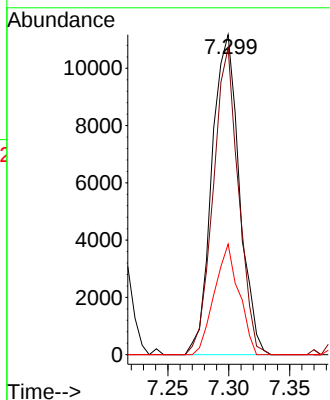
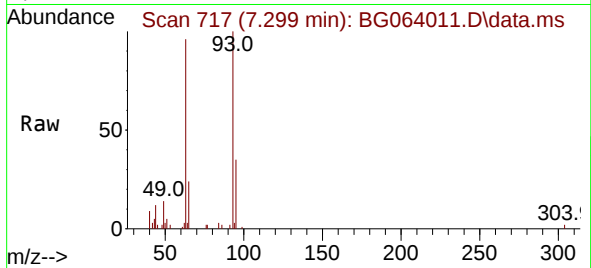




#11
bis(2-Chloroethyl)ether
Concen: 4.433 ng
RT: 7.299 min Scan# 717
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

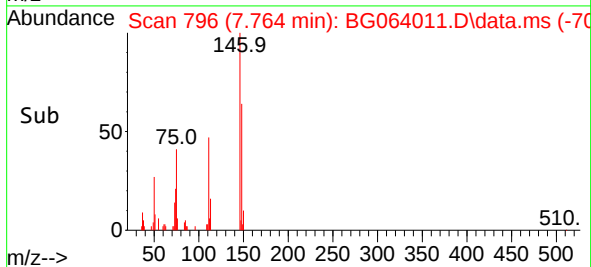
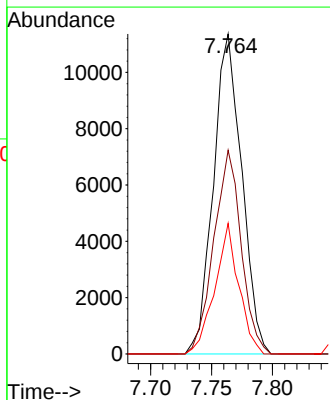
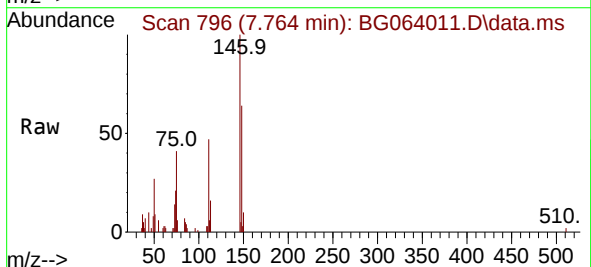
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

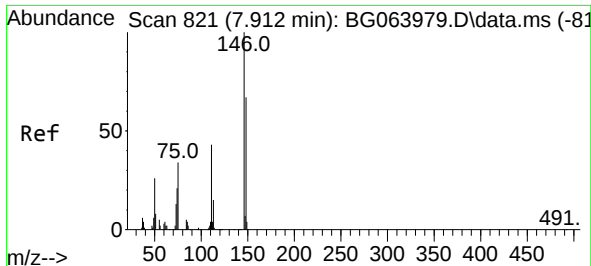
Tgt Ion: 93 Resp: 17501
Ion Ratio Lower Upper
93 100
63 95.9 71.2 111.2
95 34.6 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 4.478 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:146 Resp: 18429
Ion Ratio Lower Upper
146 100
148 63.7 49.6 74.4
75 40.8 27.8 41.8

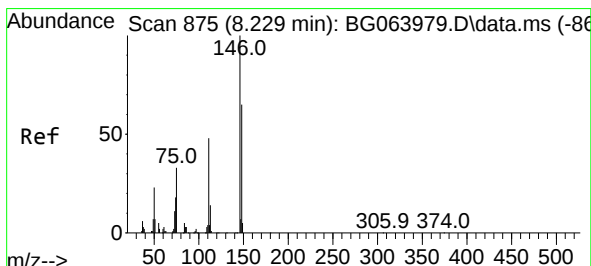
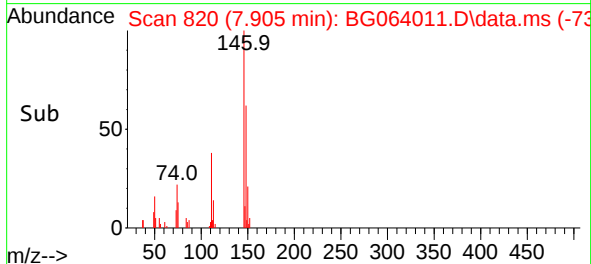
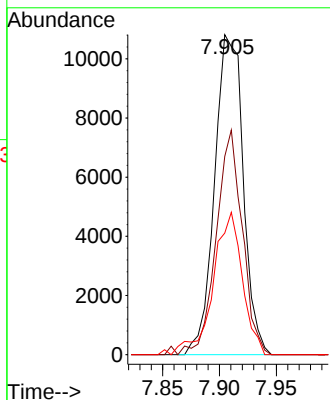
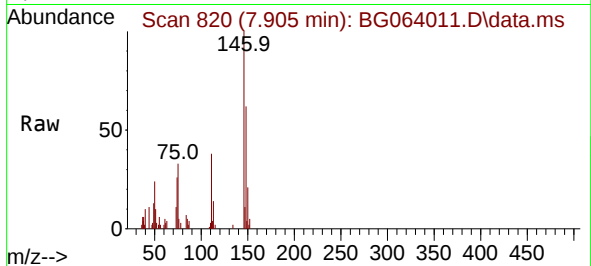




#13
1,4-Dichlorobenzene
Concen: 4.556 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

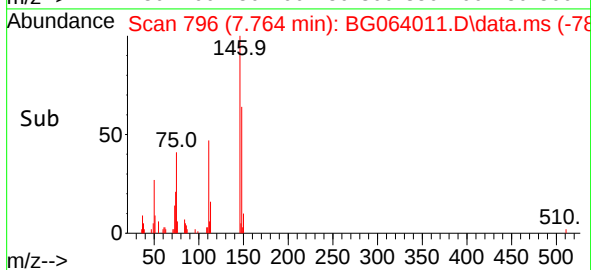
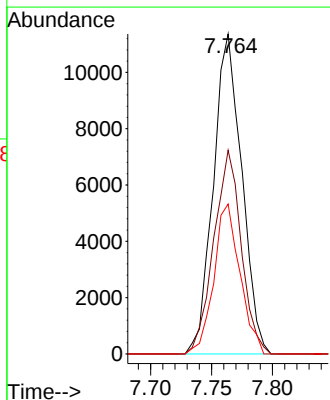
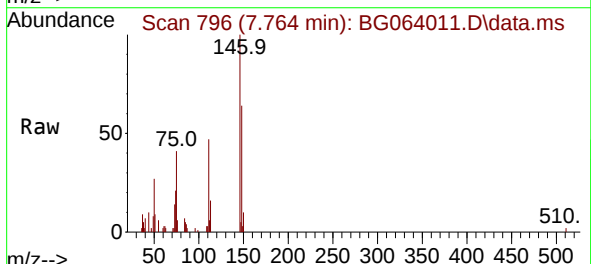
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

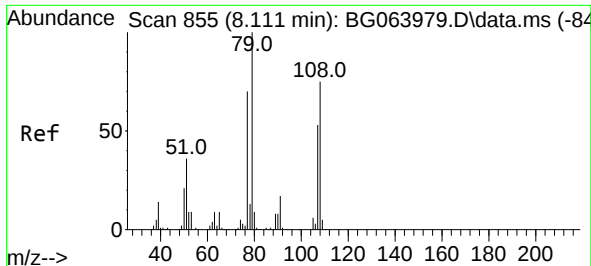
Tgt Ion:146 Resp: 18936
Ion Ratio Lower Upper
146 100
148 62.0 53.3 79.9
111 38.0 34.8 52.2



#14
1,2-Dichlorobenzene
Concen: 4.626 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.465 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:146 Resp: 18429
Ion Ratio Lower Upper
146 100
148 63.7 52.0 78.0
111 46.9 38.2 57.2

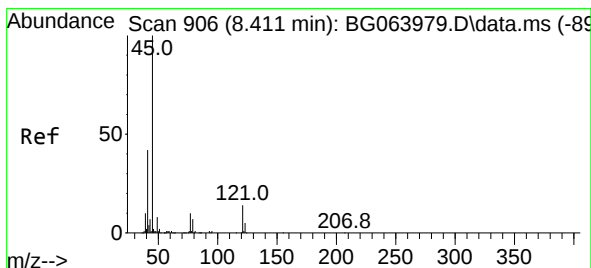
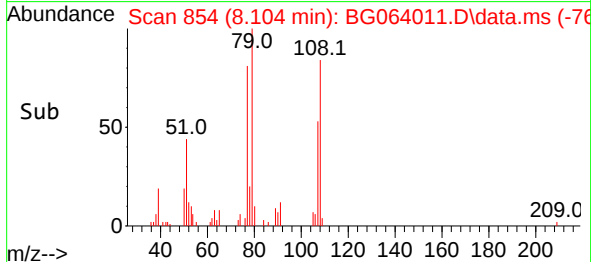
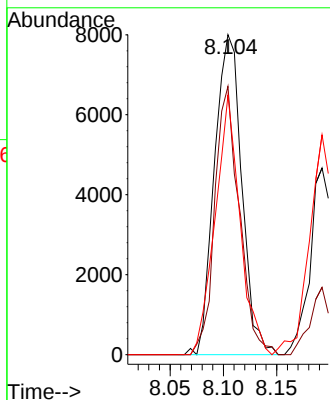
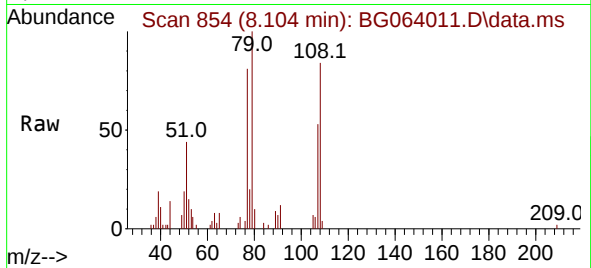




#15
Benzyl Alcohol
Concen: 4.099 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

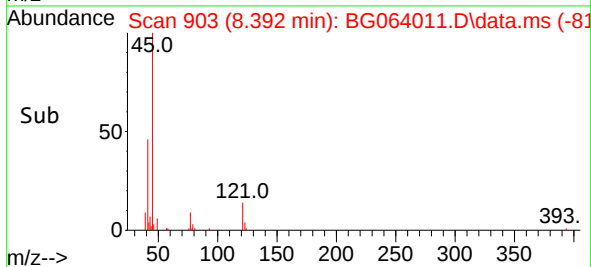
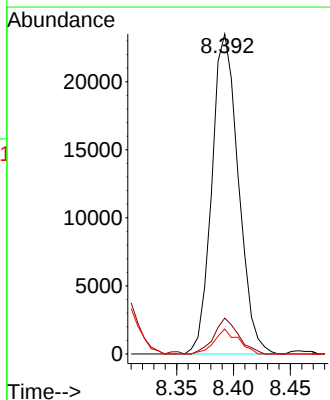
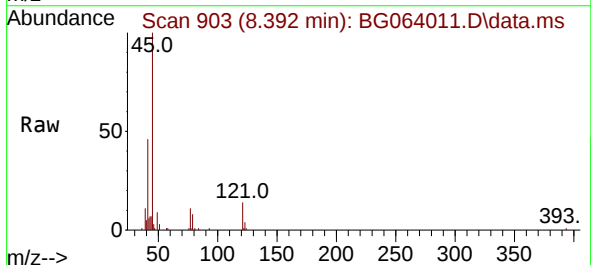
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

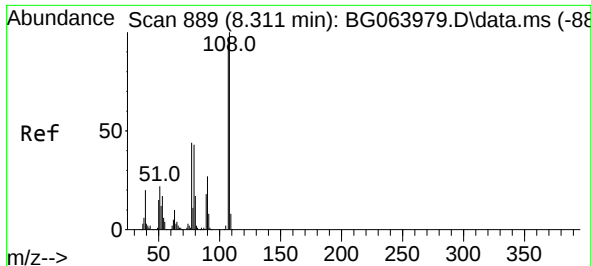
Tgt Ion: 79 Resp: 14270
Ion Ratio Lower Upper
79 100
108 83.9 60.3 90.5
77 81.1 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.801 ng
RT: 8.392 min Scan# 903
Delta R.T. -0.019 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

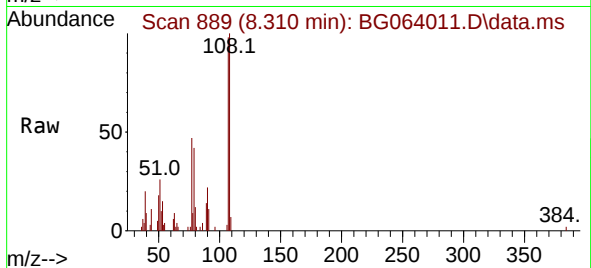
Tgt Ion: 45 Resp: 38169
Ion Ratio Lower Upper
45 100
77 11.2 0.0 29.8
79 7.8 0.0 27.7



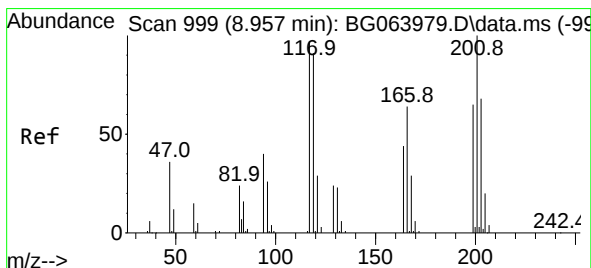
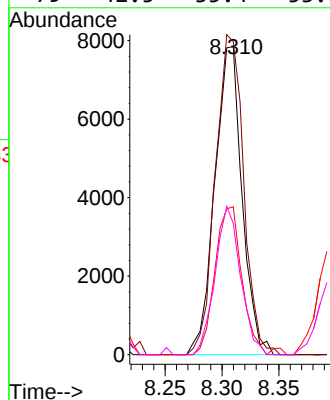
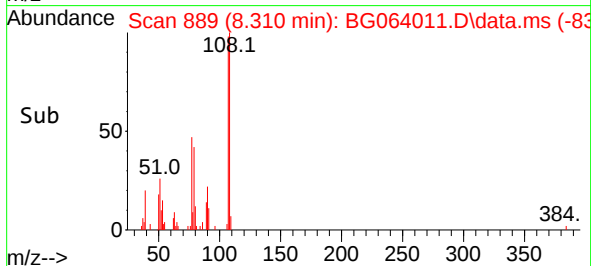


#17
2-Methylphenol
Concen: 4.124 ng
RT: 8.310 min Scan# 889
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

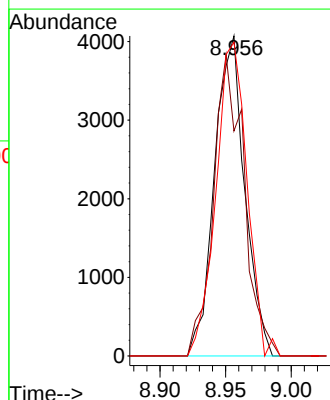
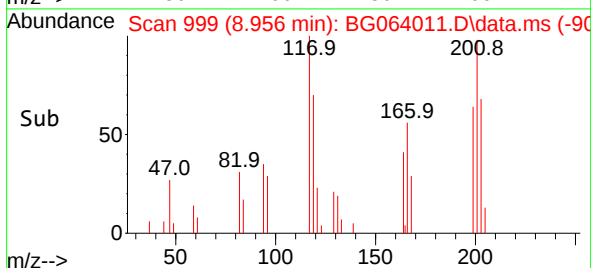
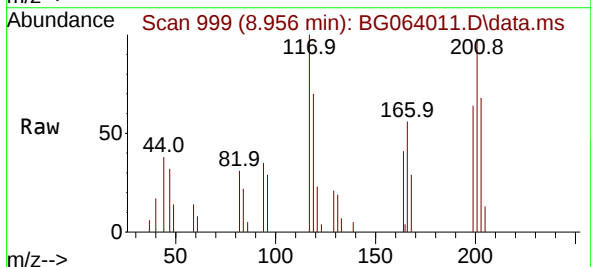


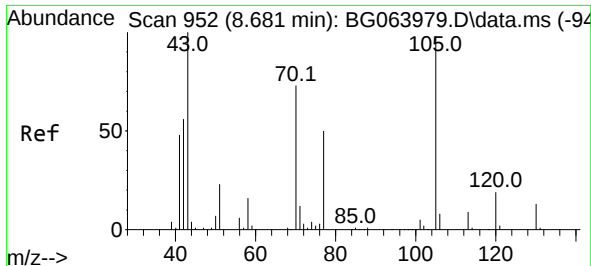
Tgt Ion:	107	Resp:	13077
Ion	Ratio	Lower	Upper
107	100		
108	101.6	82.9	124.3
77	48.0	36.4	54.6
79	42.5	35.4	53.0



#18
Hexachloroethane
Concen: 4.774 ng
RT: 8.956 min Scan# 999
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:	117	Resp:	6530
Ion	Ratio	Lower	Upper
117	100		
119	70.3	75.4	113.0#
201	98.0	82.4	123.6

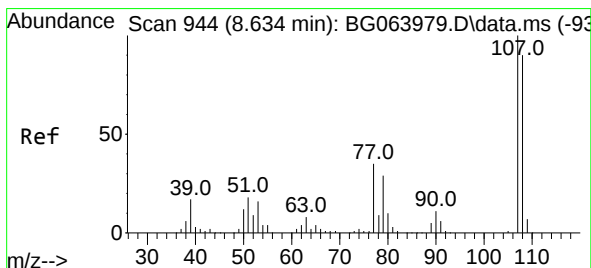
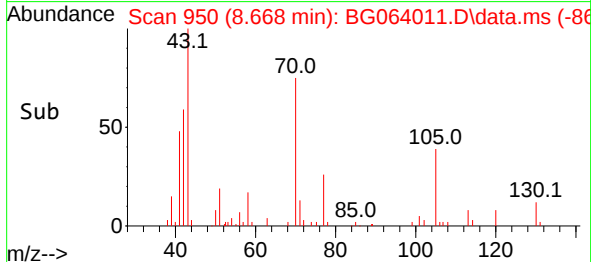
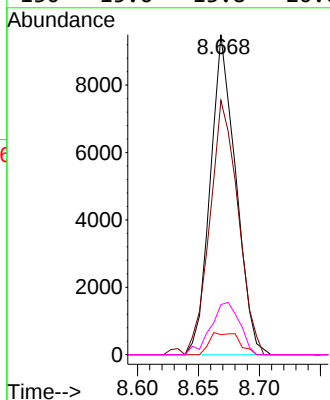
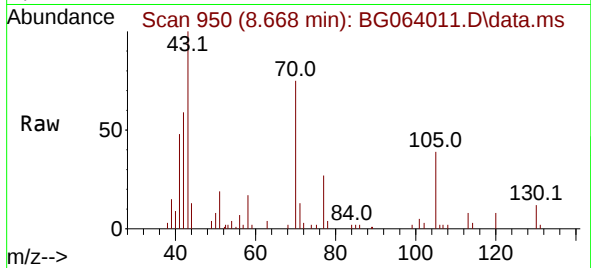




#19
n-Nitroso-di-n-propylamine
Concen: 4.298 ng
RT: 8.668 min Scan# 911
Delta R.T. -0.013 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

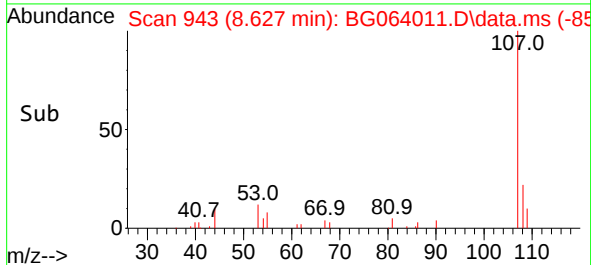
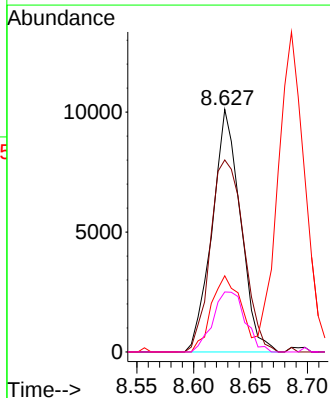
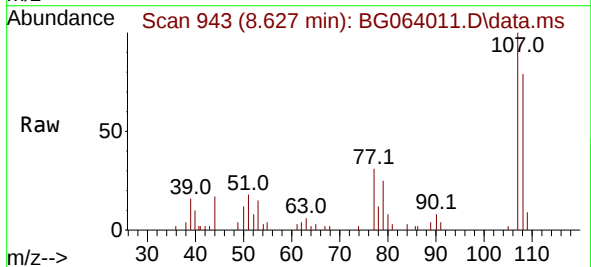
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

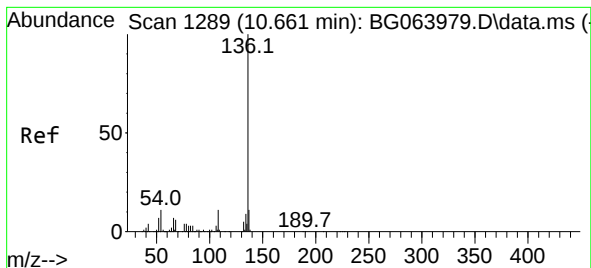
Tgt Ion:	70	Resp:	13861
Ion	Ratio	Lower	Upper
70	100		
42	79.4	62.2	93.4
101	6.3	5.6	8.4
130	15.6	13.8	20.6



#20
3+4-Methylphenols
Concen: 4.149 ng
RT: 8.627 min Scan# 943
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:	107	Resp:	17527
Ion	Ratio	Lower	Upper
107	100		
108	79.2	70.0	110.0
77	31.4	15.2	55.2
79	24.8	9.1	49.1

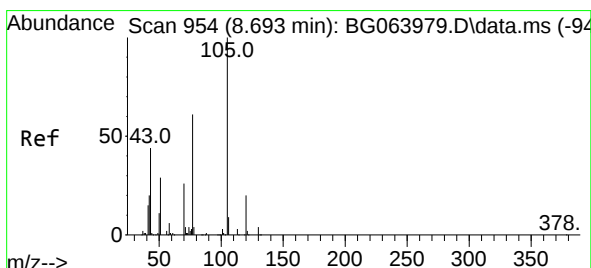
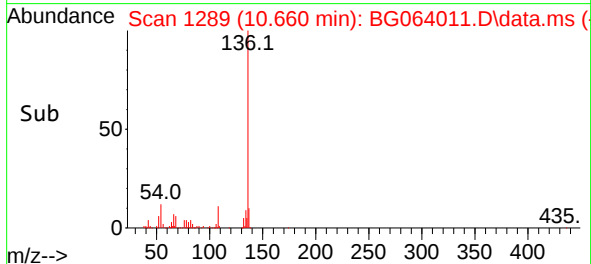
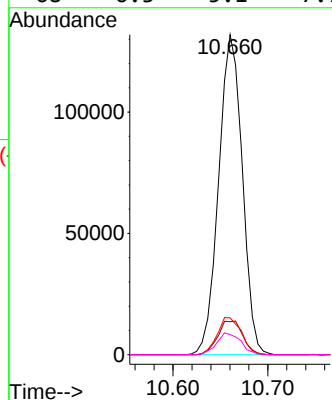
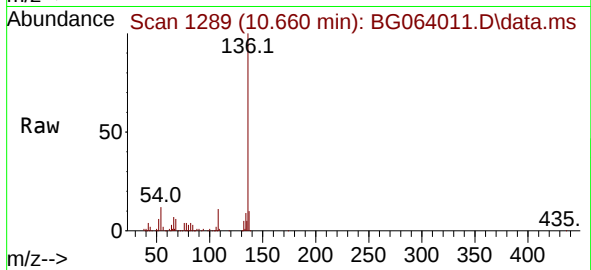




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.660 min Scan# 1289
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

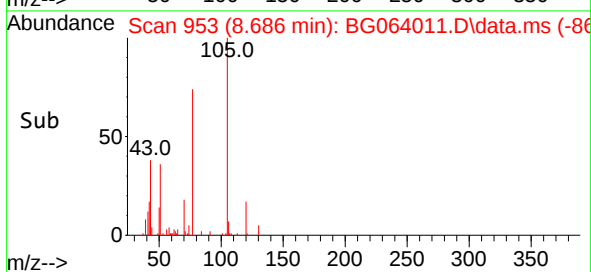
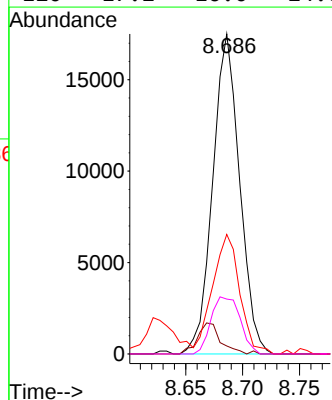
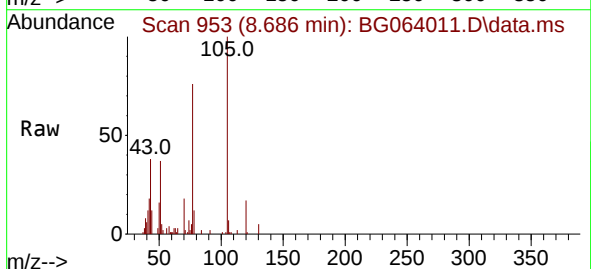
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

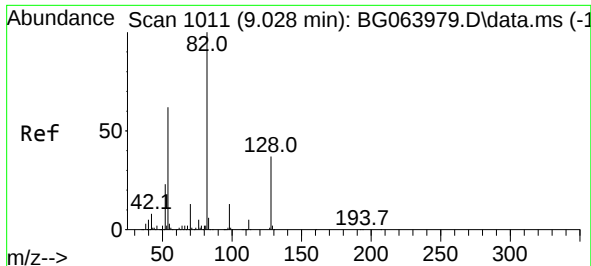
Tgt Ion:	136	Resp:	228641
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	11.5	9.2	13.8
68	6.3	5.1	7.7



#22
Acetophenone
Concen: 4.579 ng
RT: 8.686 min Scan# 953
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:	105	Resp:	28765
Ion Ratio	Lower	Upper	
105	100		
71	2.5	3.1	4.7#
51	37.4	29.9	44.9
120	17.2	16.0	24.0





#23

Nitrobenzene-d5

Concen: 108.215 ng

RT: 9.021 min Scan# 1010

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

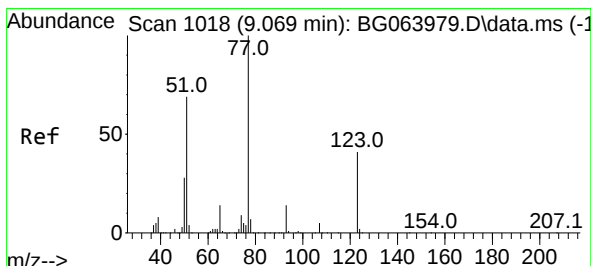
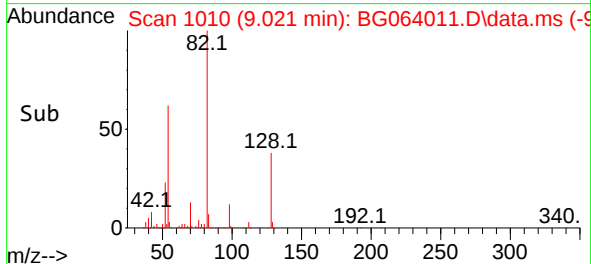
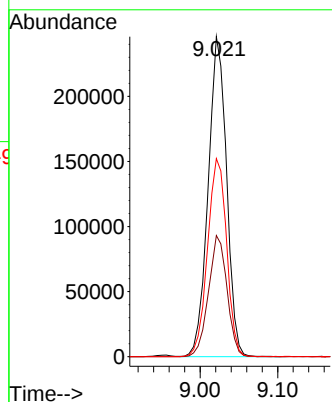
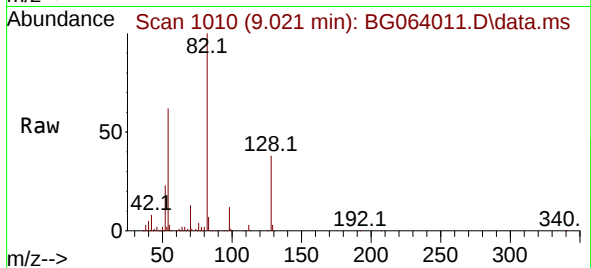
Tgt Ion: 82 Resp: 407114

Ion Ratio Lower Upper

82 100

128 37.8 29.4 44.2

54 61.9 49.9 74.9



#24

Nitrobenzene

Concen: 8.354 ng

RT: 9.062 min Scan# 1017

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

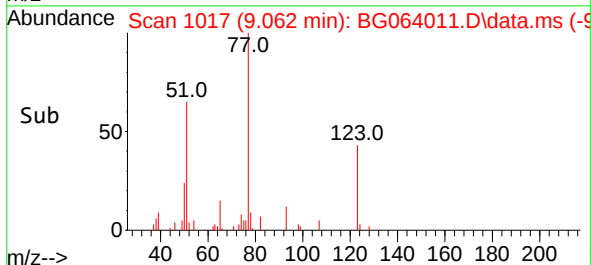
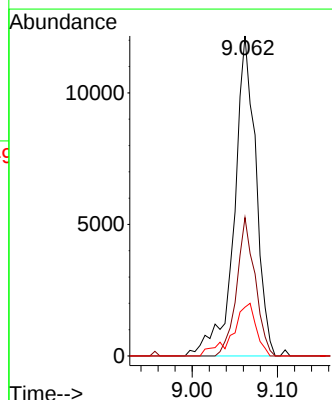
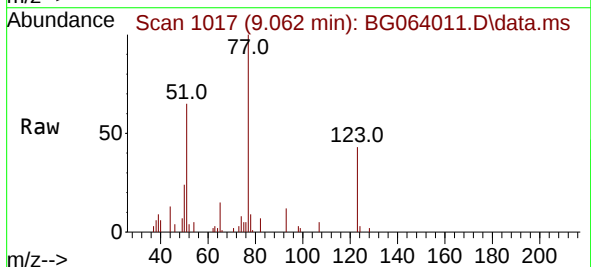
Tgt Ion: 77 Resp: 21397

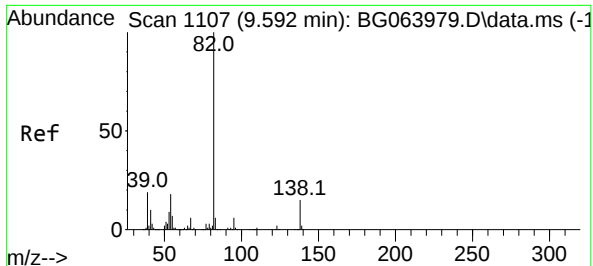
Ion Ratio Lower Upper

77 100

123 43.3 32.9 49.3

65 15.2 11.0 16.6

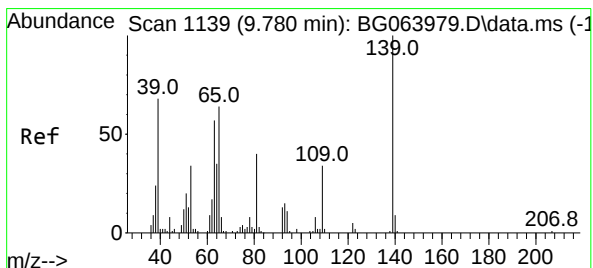
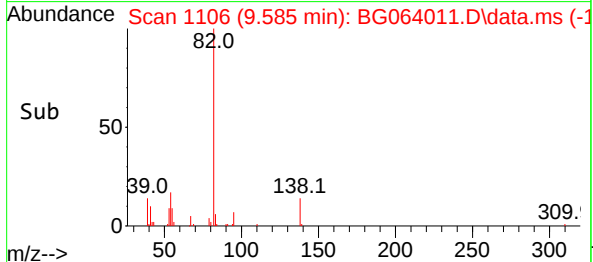
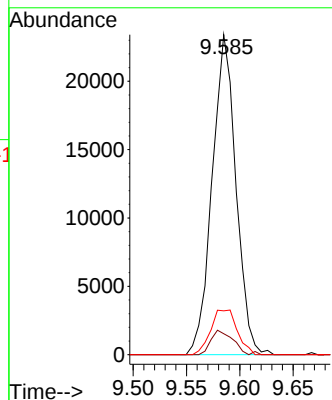
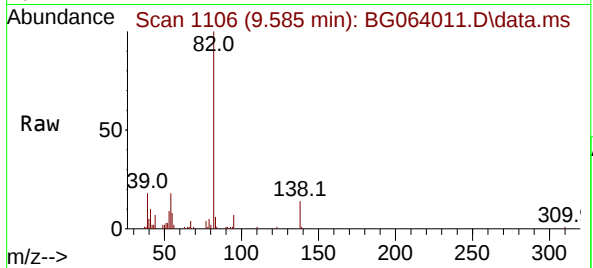




#25
Isophorone
Concen: 4.454 ng
RT: 9.585 min Scan# 1106
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

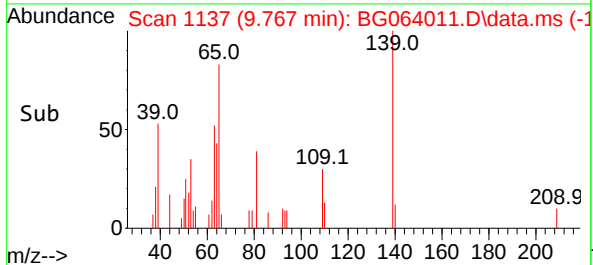
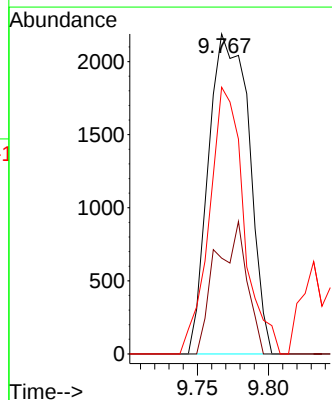
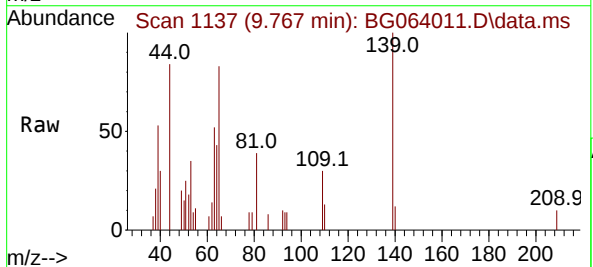
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

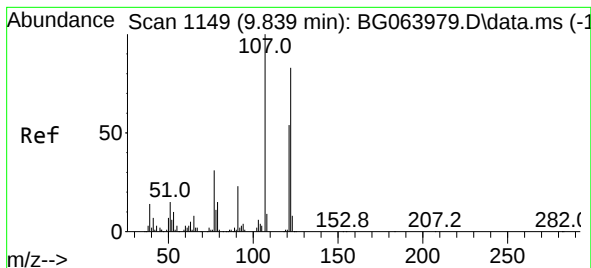
Tgt Ion: 82 Resp: 36320
Ion Ratio Lower Upper
82 100
95 6.5 5.0 7.4
138 13.7 12.2 18.4



#26
2-Nitrophenol
Concen: 8.649 ng
RT: 9.767 min Scan# 1137
Delta R.T. -0.013 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion: 139 Resp: 4329
Ion Ratio Lower Upper
139 100
109 29.9 27.1 40.7
65 83.3 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 2.569 ng

RT: 9.838 min Scan# 1149

Delta R.T. -0.001 min

Lab File: BG064011.D

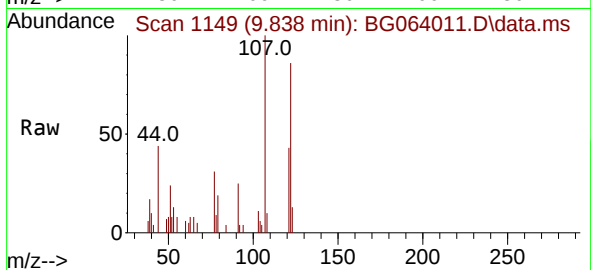
Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024



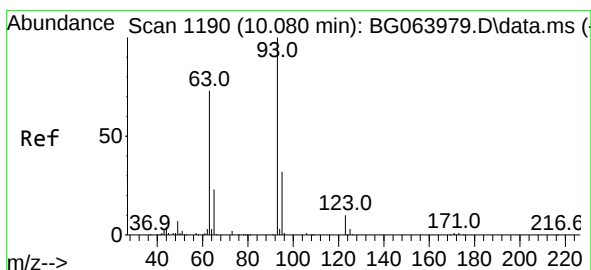
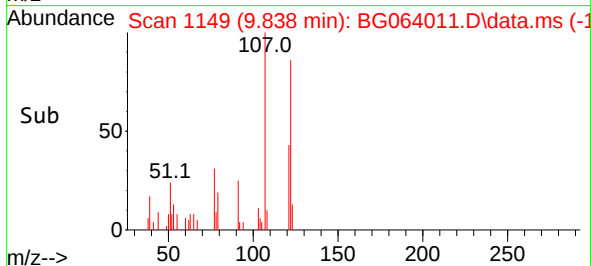
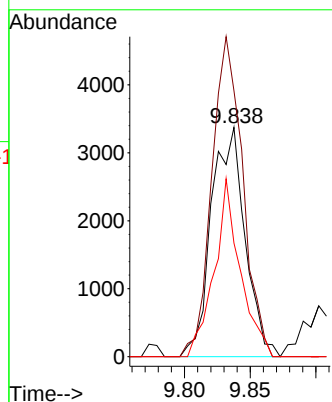
Tgt Ion:122 Resp: 6026

Ion Ratio Lower Upper

122 100

107 116.0 96.4 144.6

121 49.6 51.8 77.6#



#28

bis(2-Chloroethoxy)methane

Concen: 4.402 ng

RT: 10.073 min Scan# 1189

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

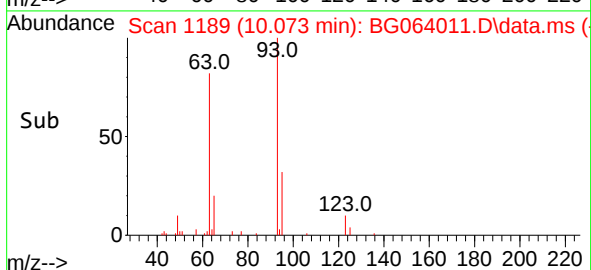
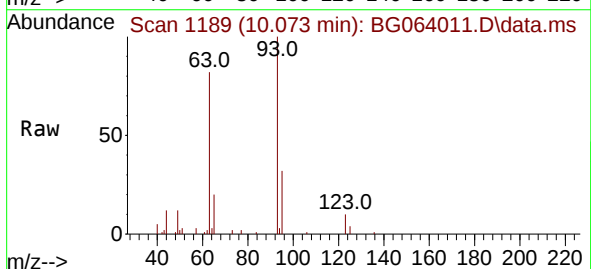
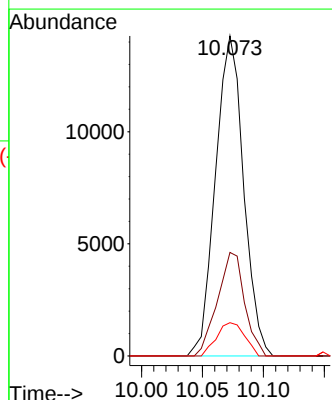
Tgt Ion: 93 Resp: 22845

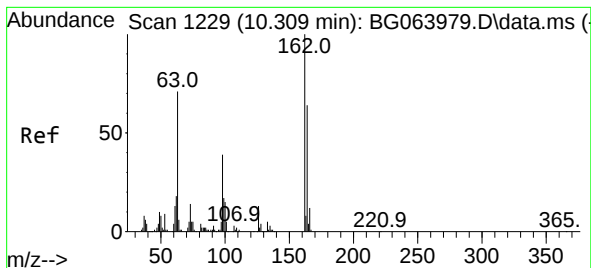
Ion Ratio Lower Upper

93 100

95 32.4 25.4 38.2

123 10.4 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 7.274 ng

RT: 10.302 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

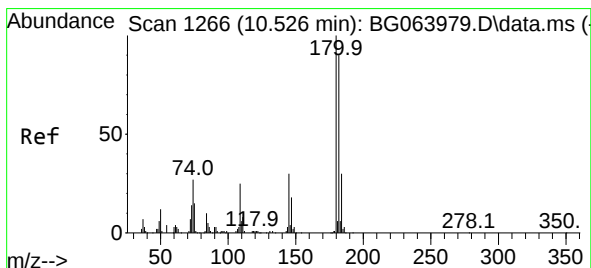
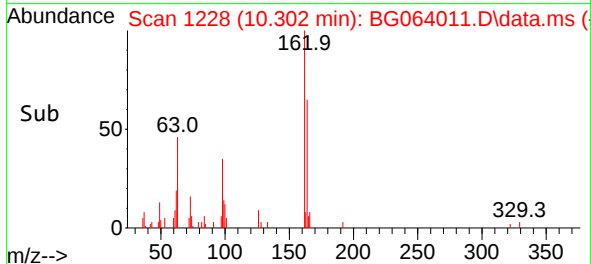
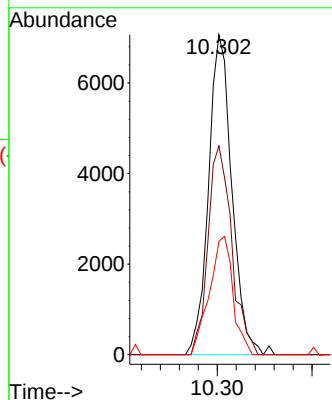
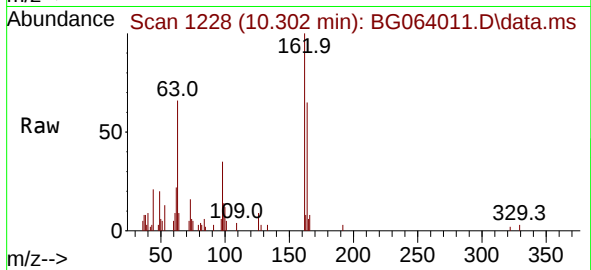
Tgt Ion:162 Resp: 12122

Ion Ratio Lower Upper

162 100

164 65.3 43.6 83.6

98 35.4 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 4.621 ng

RT: 10.525 min Scan# 1266

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

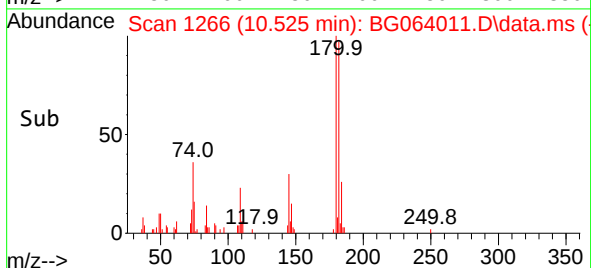
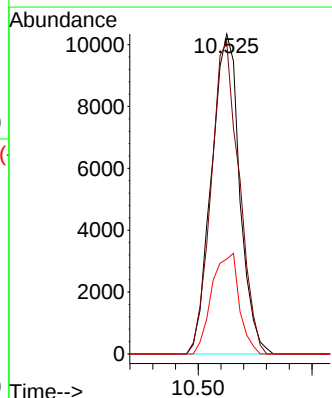
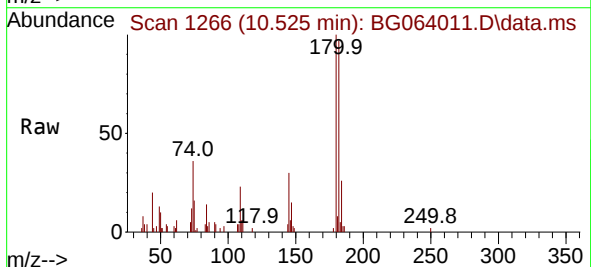
Tgt Ion:180 Resp: 17810

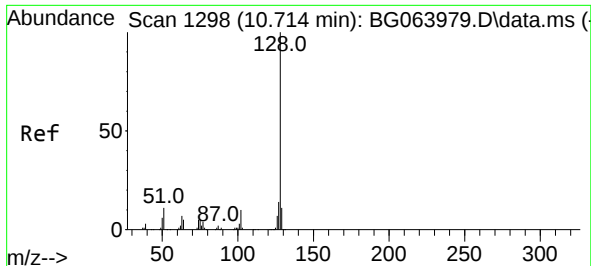
Ion Ratio Lower Upper

180 100

182 97.4 72.3 108.5

145 29.6 23.8 35.8

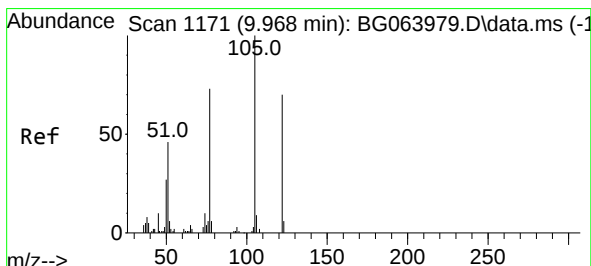
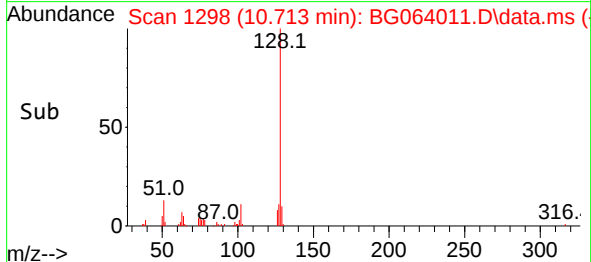
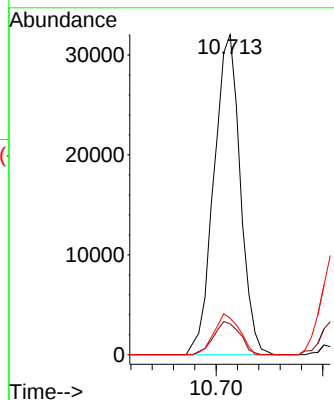
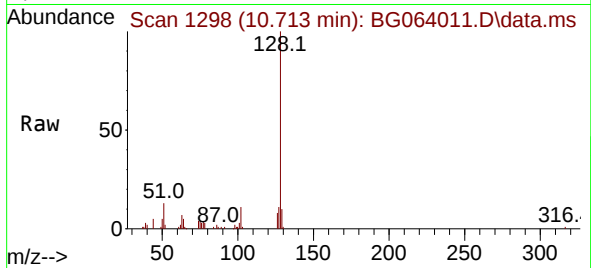




#31
Naphthalene
Concen: 4.474 ng
RT: 10.713 min Scan# 1160
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

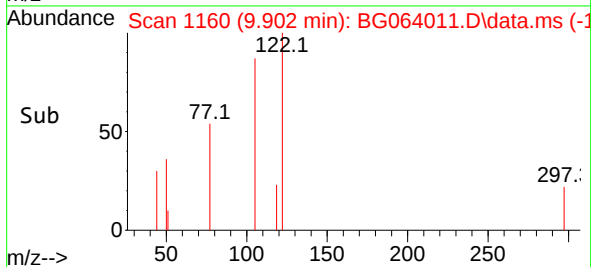
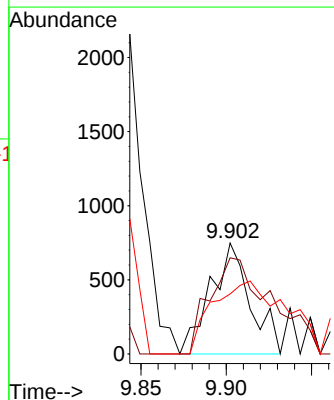
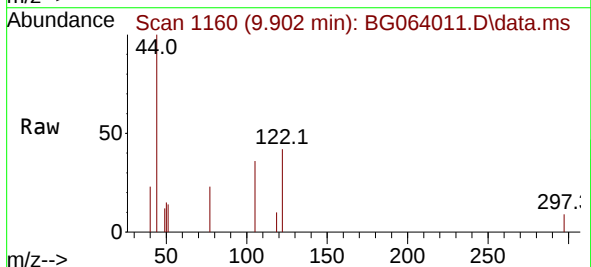
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

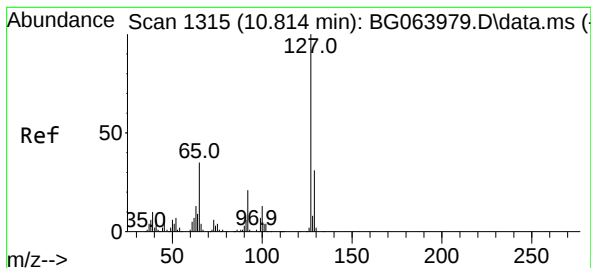
Tgt Ion:128 Resp: 54848
Ion Ratio Lower Upper
128 100
129 9.6 8.8 13.2
127 11.4 10.8 16.2



#32
Benzoic acid
Concen: 6.447 ng
RT: 9.902 min Scan# 1160
Delta R.T. -0.066 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:122 Resp: 1212
Ion Ratio Lower Upper
122 100
105 86.8 117.9 157.9#
77 54.1 83.9 123.9#





#33

4-Chloroaniline

Concen: 4.169 ng

RT: 10.813 min Scan# 1315

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:127 Resp: 19581

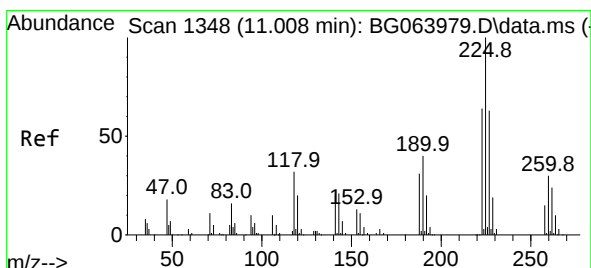
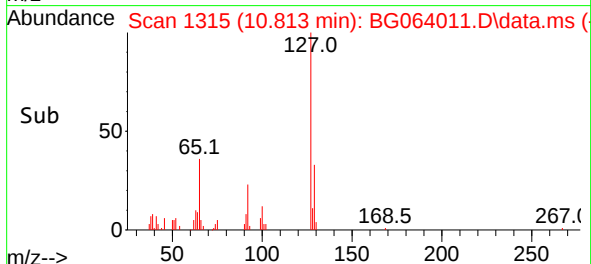
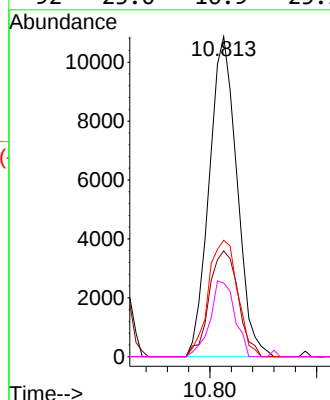
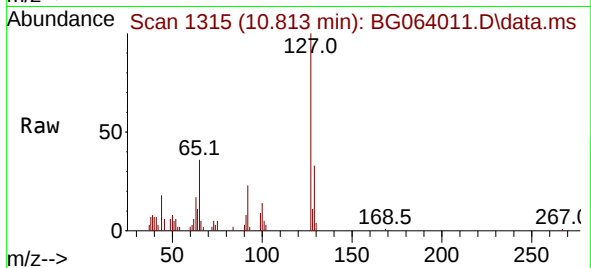
Ion Ratio Lower Upper

127 100

129 33.1 24.9 37.3

65 36.4 28.2 42.4

92 23.0 16.9 25.3



#34

Hexachlorobutadiene

Concen: 4.568 ng

RT: 11.007 min Scan# 1348

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

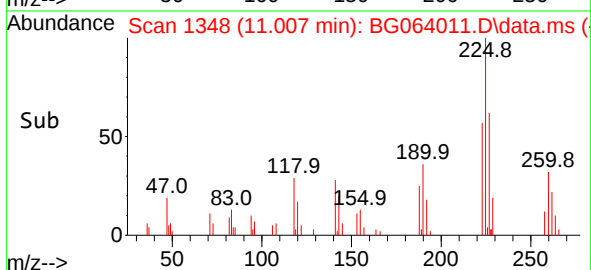
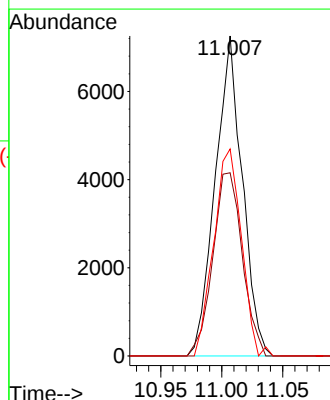
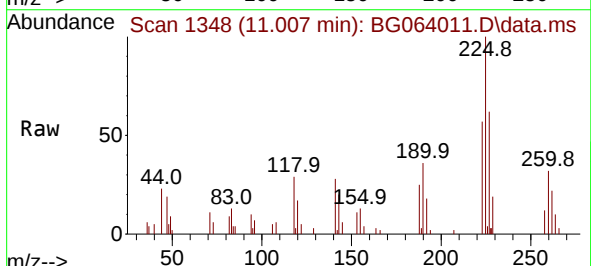
Tgt Ion:225 Resp: 11212

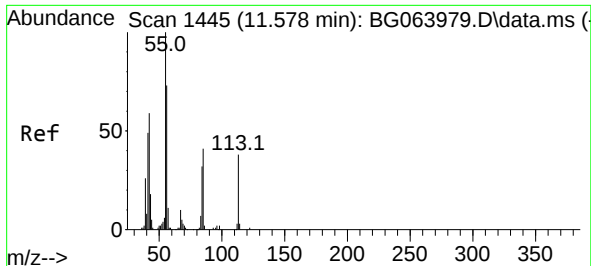
Ion Ratio Lower Upper

225 100

223 57.3 51.0 76.6

227 64.7 50.3 75.5

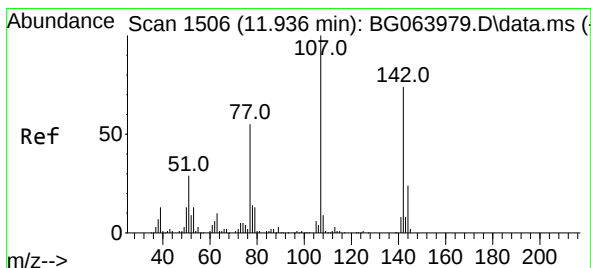
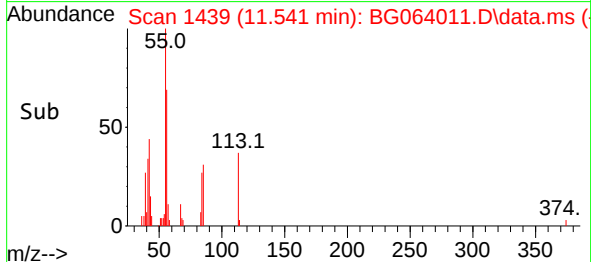
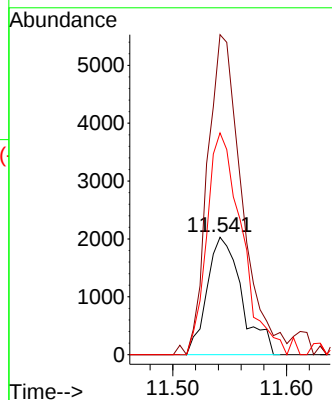
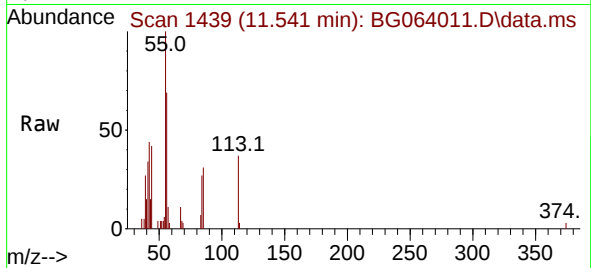




#35
Caprolactam
Concen: 8.498 ng
RT: 11.541 min Scan# 1445
Delta R.T. -0.037 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

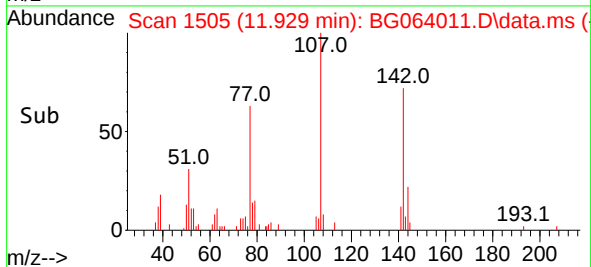
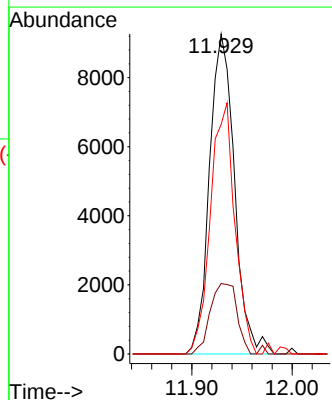
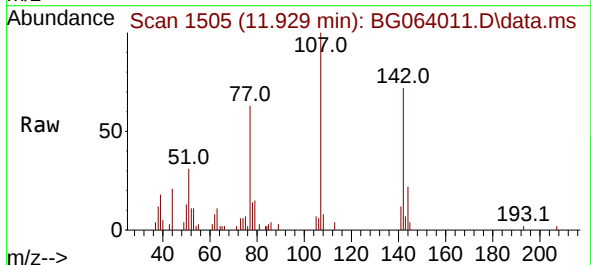
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

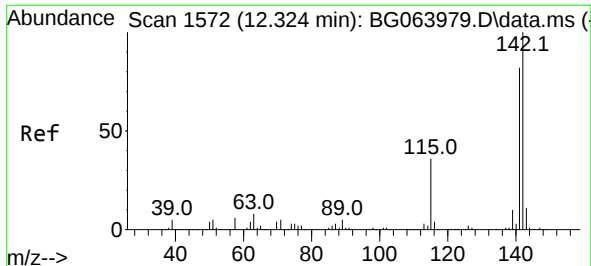
Tgt Ion	Ratio	Lower	Upper
113	100		
55	272.4	241.8	281.8
56	188.7	171.5	211.5



#36
4-Chloro-3-methylphenol
Concen: 4.260 ng
RT: 11.929 min Scan# 1505
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.0	19.2	28.8
142	71.8	58.9	88.3

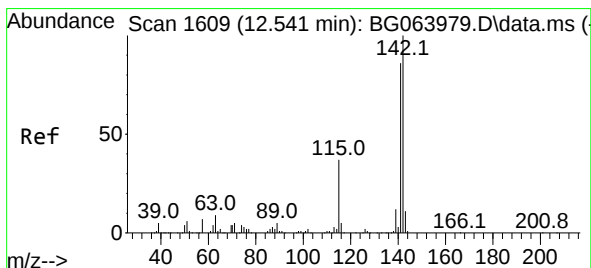
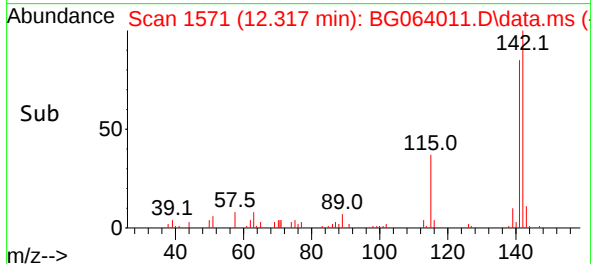
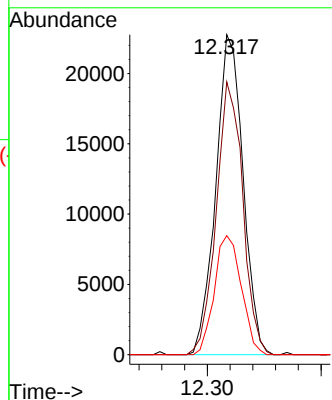
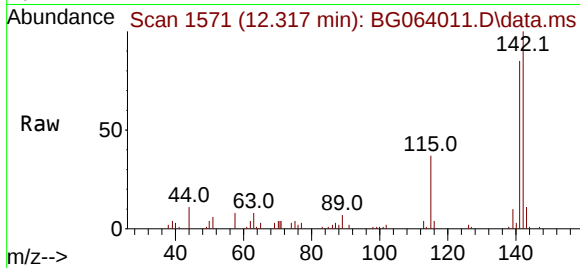




#37
2-Methylnaphthalene
Concen: 4.437 ng
RT: 12.317 min Scan# 1571
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

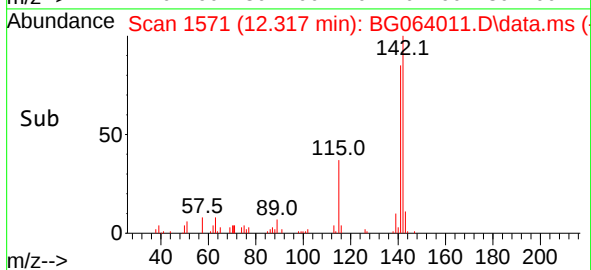
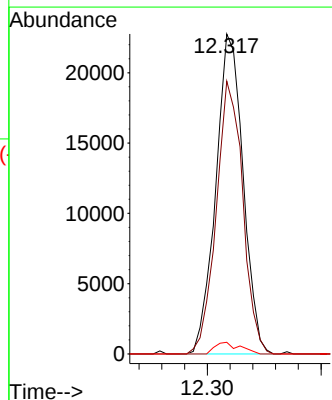
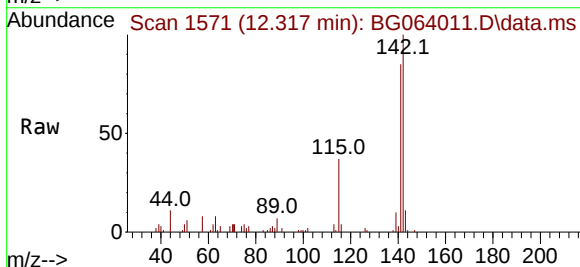
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

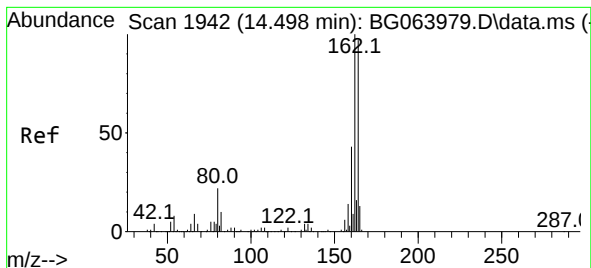
Tgt Ion:142 Resp: 37905
Ion Ratio Lower Upper
142 100
141 85.2 65.8 98.8
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 4.485 ng
RT: 12.317 min Scan# 1571
Delta R.T. -0.224 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:142 Resp: 37905
Ion Ratio Lower Upper
142 100
141 85.2 69.2 103.8
116 3.6 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.497 min Scan# 1942

Delta R.T. -0.001 min

Lab File: BG064011.D

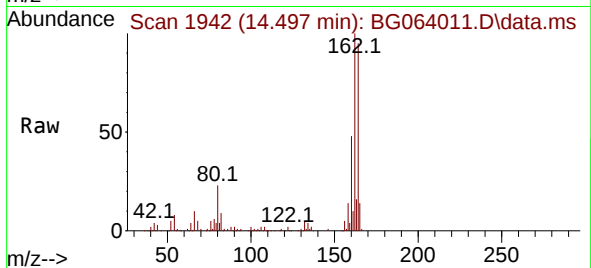
Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024



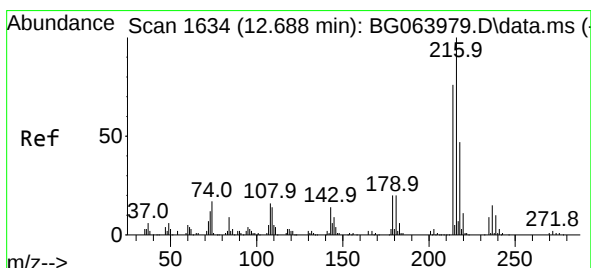
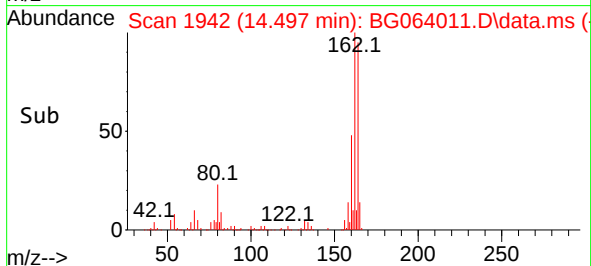
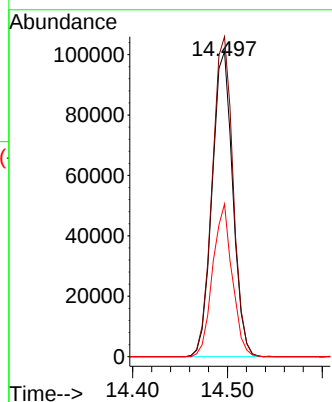
Tgt Ion:164 Resp: 152416

Ion Ratio Lower Upper

164 100

162 104.8 82.3 123.5

160 50.0 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.642 ng

RT: 12.687 min Scan# 1634

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Tgt Ion:216 Resp: 20863

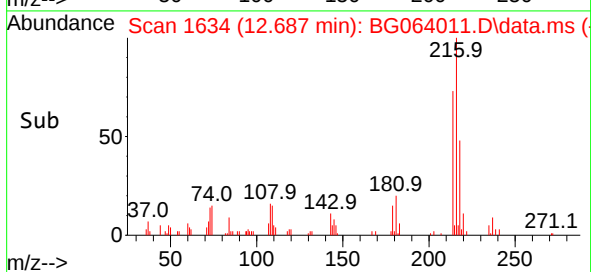
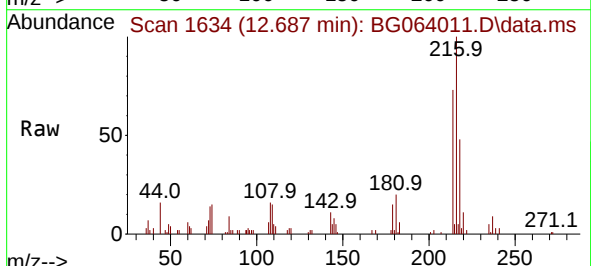
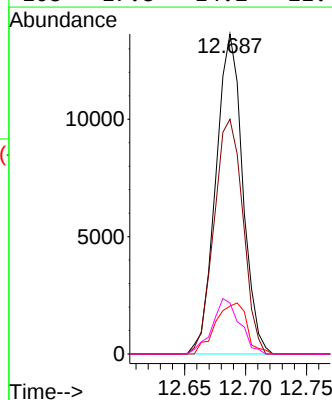
Ion Ratio Lower Upper

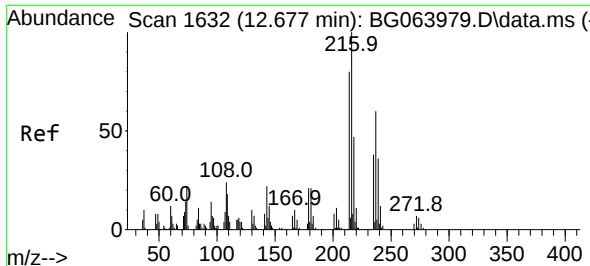
216 100

214 78.7 62.9 94.3

179 18.7 16.6 25.0

108 17.8 14.2 21.4

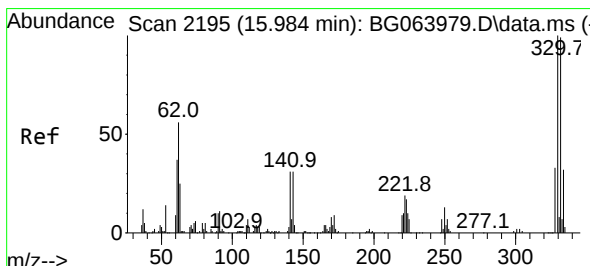
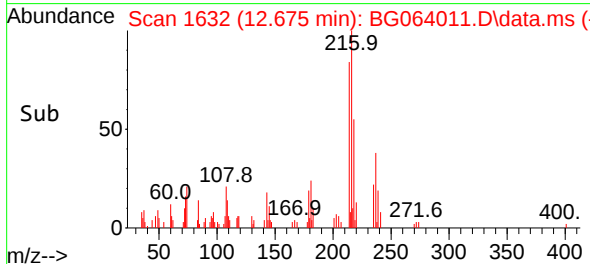
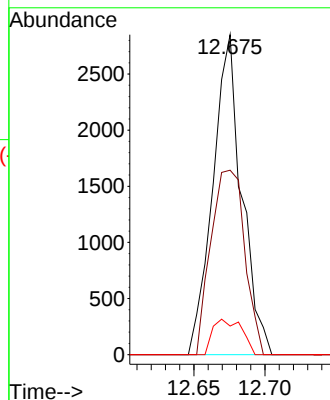
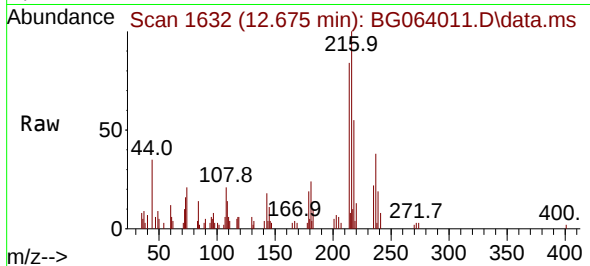




#41
Hexachlorocyclopentadiene
Concen: 3.536 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

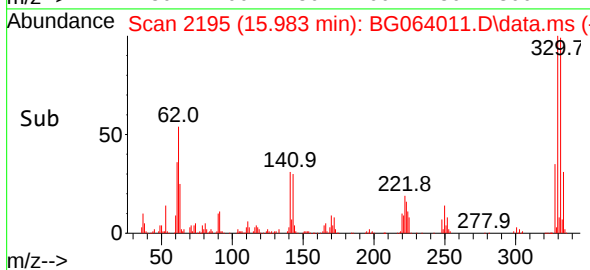
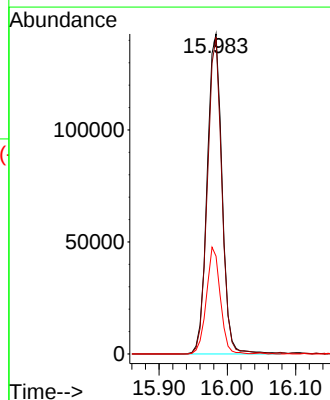
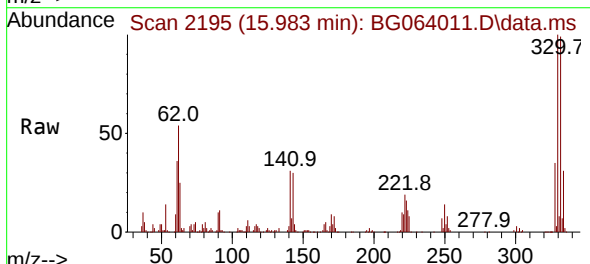
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

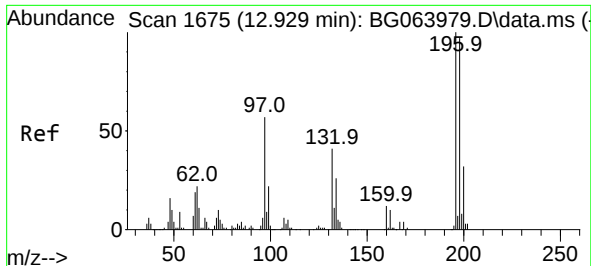
Tgt Ion:237 Resp: 4022
Ion Ratio Lower Upper
237 100
235 57.6 43.8 83.8
272 8.9 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 123.744 ng
RT: 15.983 min Scan# 2195
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:330 Resp: 216437
Ion Ratio Lower Upper
330 100
332 95.8 79.0 118.6
141 31.2 27.2 40.8

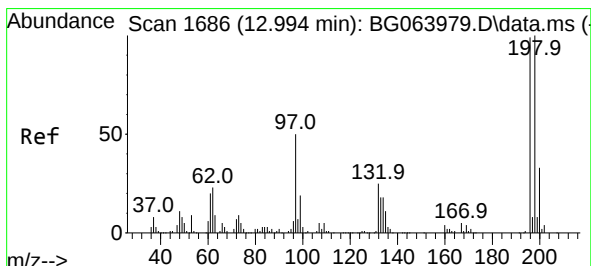
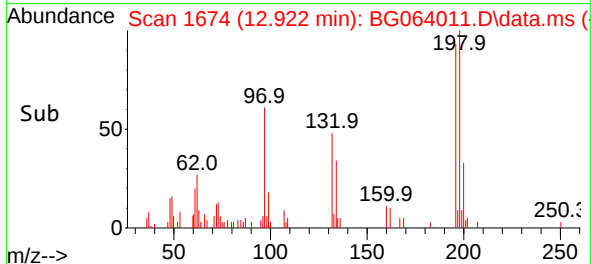
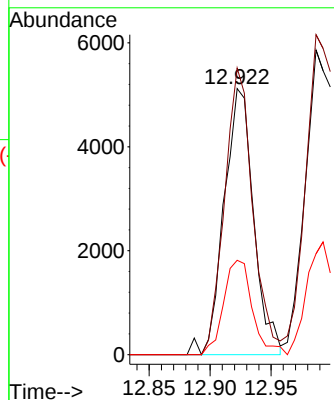
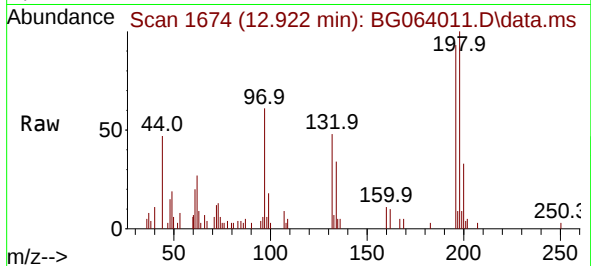




#43
2,4,6-Trichlorophenol
Concen: 7.841 ng
RT: 12.922 min Scan# 1674
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

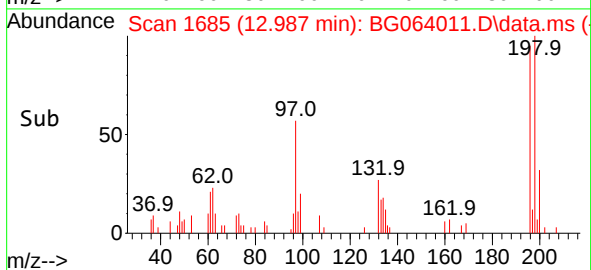
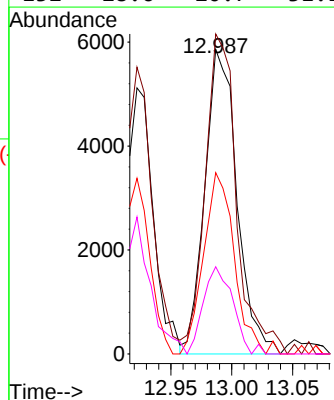
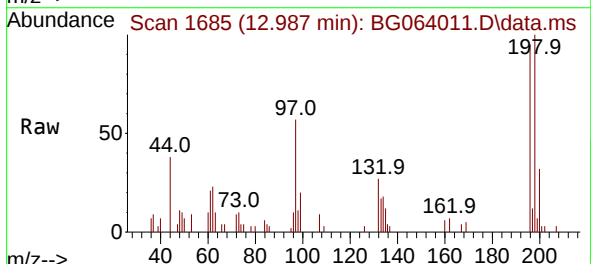
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

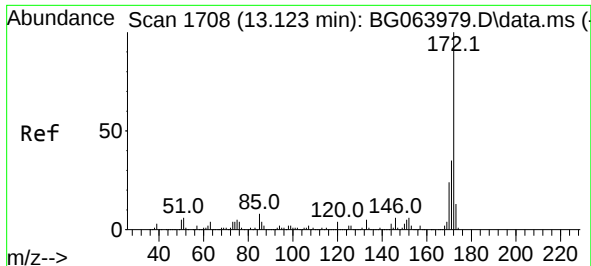
Tgt Ion:196 Resp: 8660
Ion Ratio Lower Upper
196 100
198 107.8 77.9 116.9
200 35.5 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 7.259 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:196 Resp: 10749
Ion Ratio Lower Upper
196 100
198 105.0 81.1 121.7
97 59.5 41.2 61.8
132 28.6 20.7 31.1

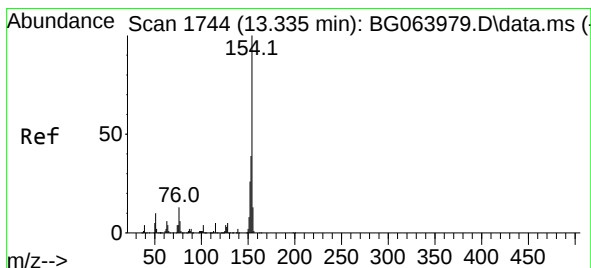
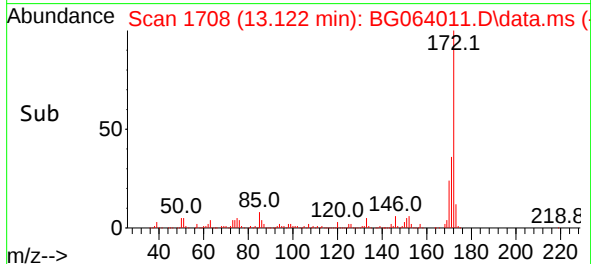
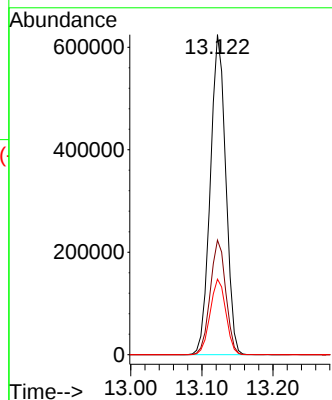
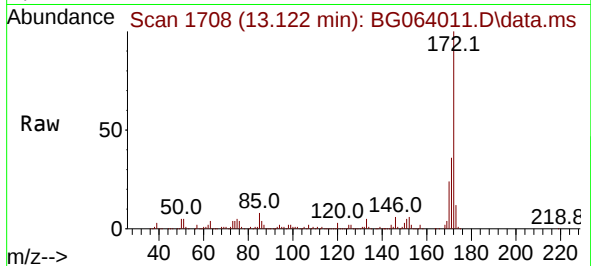




#45
2-Fluorobiphenyl
Concen: 94.751 ng
RT: 13.122 min Scan# 1708
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

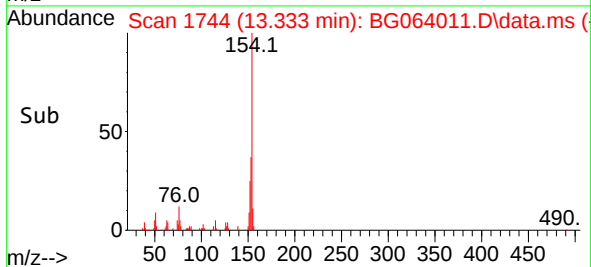
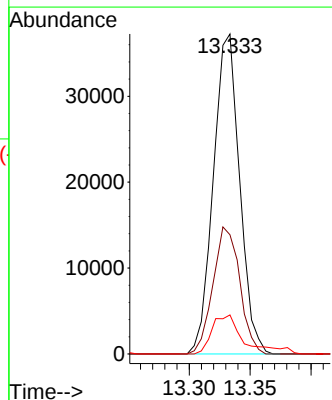
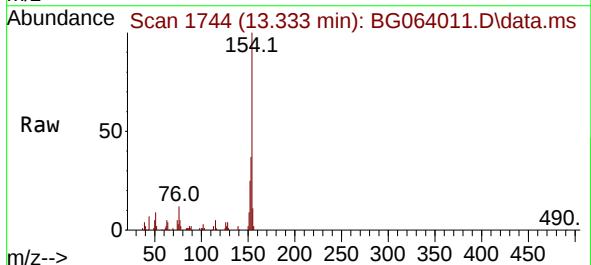
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

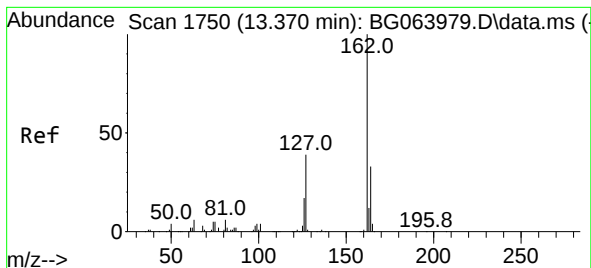
Tgt Ion:172 Resp: 942575
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 23.6 19.4 29.2



#46
1,1'-Biphenyl
Concen: 4.810 ng
RT: 13.333 min Scan# 1744
Delta R.T. -0.002 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:154 Resp: 55821
Ion Ratio Lower Upper
154 100
153 37.2 19.3 59.3
76 12.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 4.722 ng

RT: 13.369 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

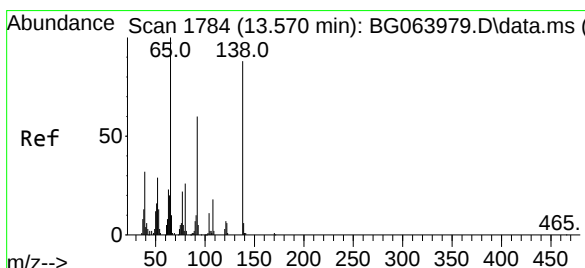
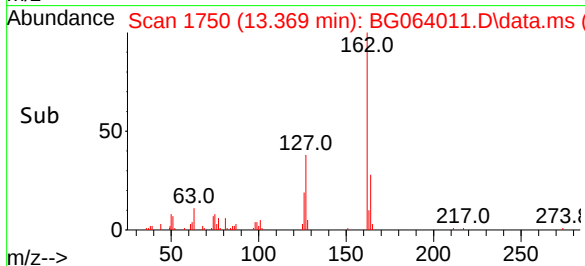
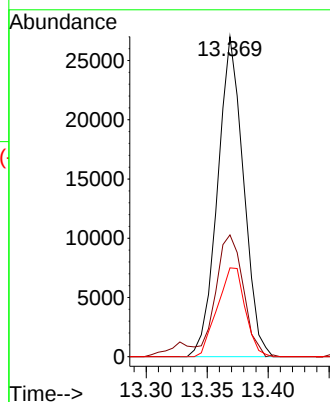
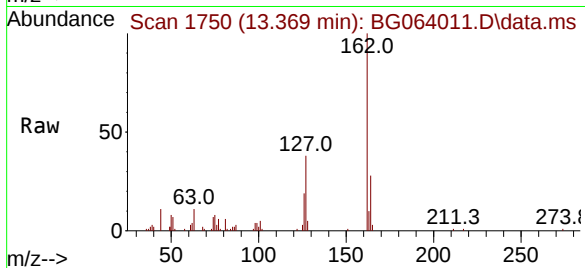
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:	162	Resp:	39938
Ion	Ratio	Lower	Upper
162	100		
127	38.1	33.4	50.2
164	27.8	26.0	39.0



#48

2-Nitroaniline

Concen: 8.143 ng

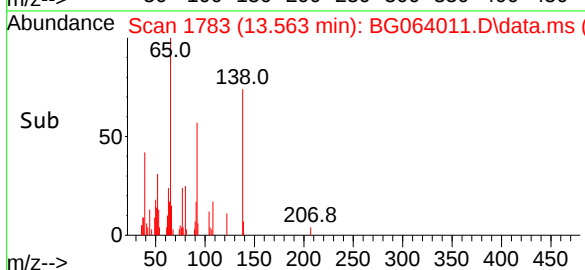
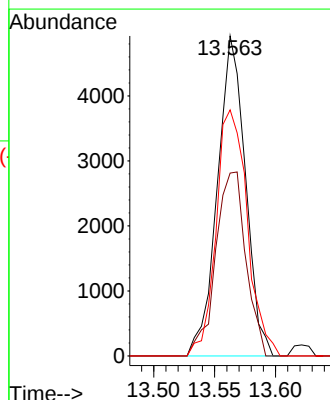
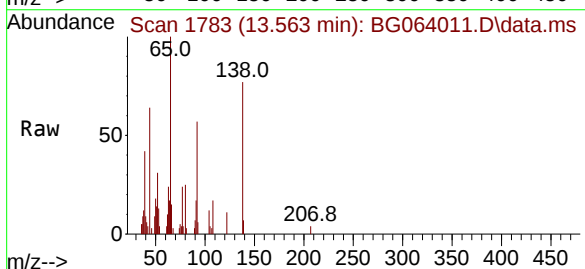
RT: 13.563 min Scan# 1783

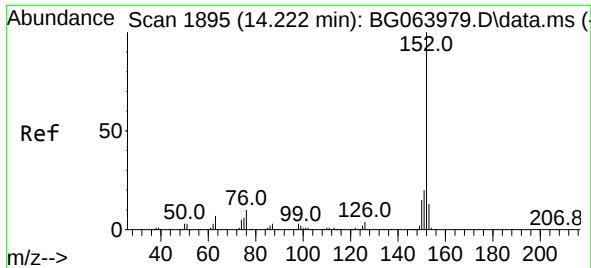
Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Tgt Ion:	65	Resp:	7888
Ion	Ratio	Lower	Upper
65	100		
92	57.1	47.6	71.4
138	76.9	70.6	106.0

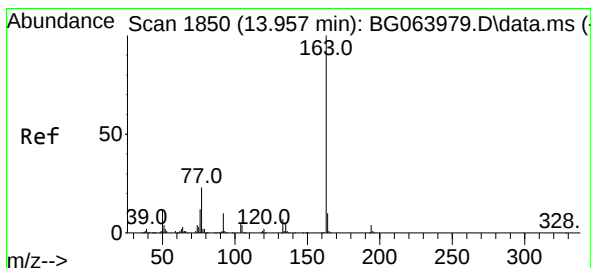
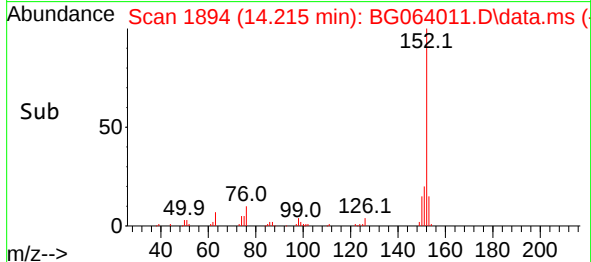
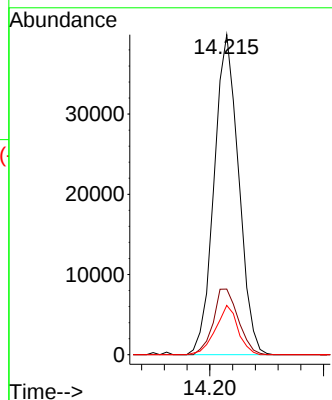
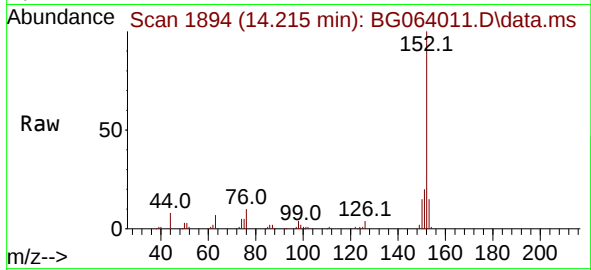




#49
Acenaphthylene
Concen: 4.550 ng
RT: 14.215 min Scan# 1894
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

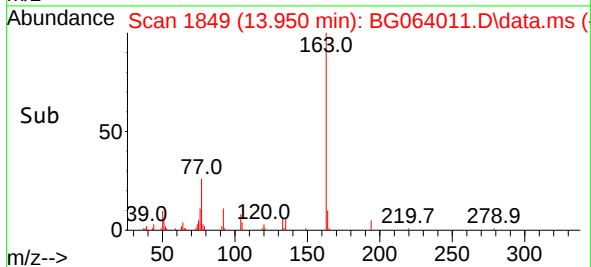
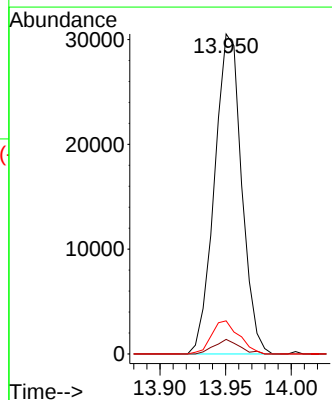
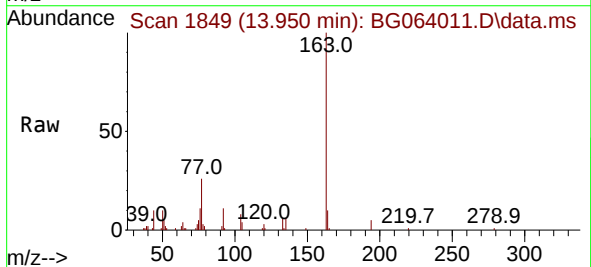
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

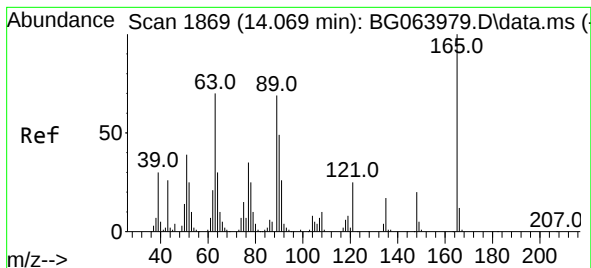
Tgt Ion:152	Resp: 59777
Ion Ratio	Lower Upper
152 100	
151 20.5	15.9 23.9
153 15.4	10.3 15.5



#50
Dimethylphthalate
Concen: 4.342 ng
RT: 13.950 min Scan# 1849
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:163	Resp: 43877
Ion Ratio	Lower Upper
163 100	
194 4.5	3.0 4.4#
164 10.4	8.0 12.0

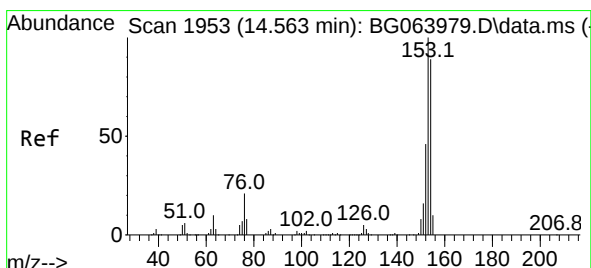
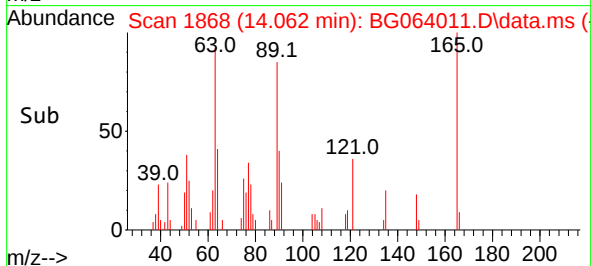
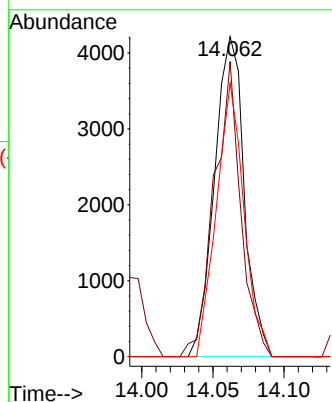
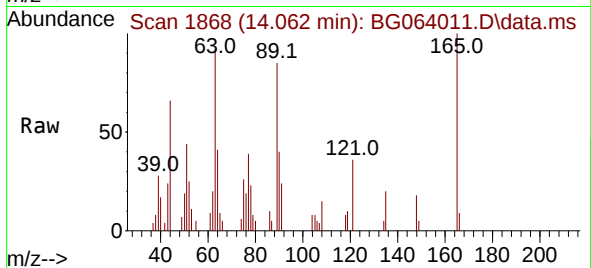




#51
2,6-Dinitrotoluene
Concen: 7.740 ng
RT: 14.062 min Scan# 1868
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

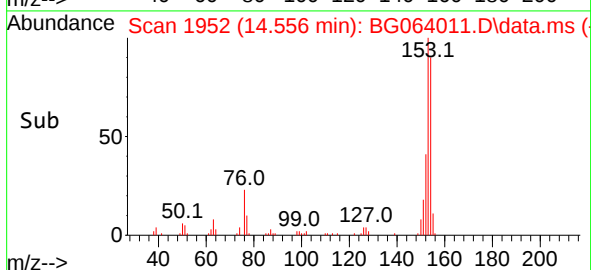
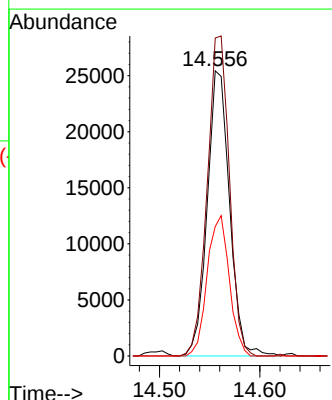
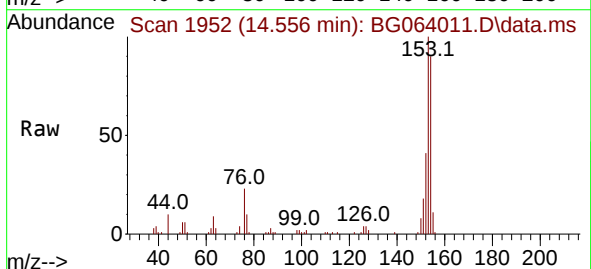
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

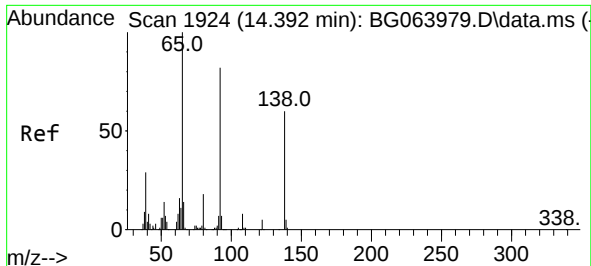
Tgt Ion:165 Resp: 6131
Ion Ratio Lower Upper
165 100
63 92.2 57.7 86.5#
89 85.4 55.6 83.4#



#52
Acenaphthene
Concen: 4.476 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:154 Resp: 39447
Ion Ratio Lower Upper
154 100
153 111.5 90.2 135.2
152 45.4 41.1 61.7

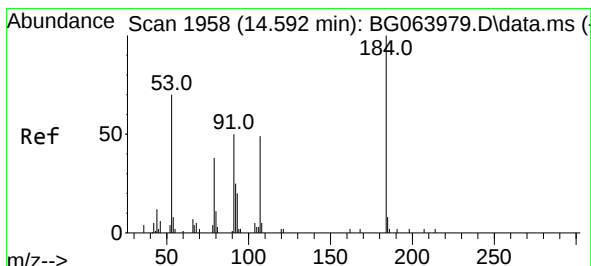
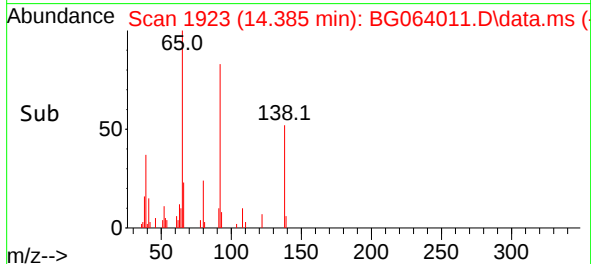
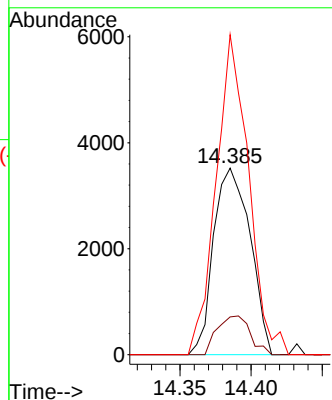
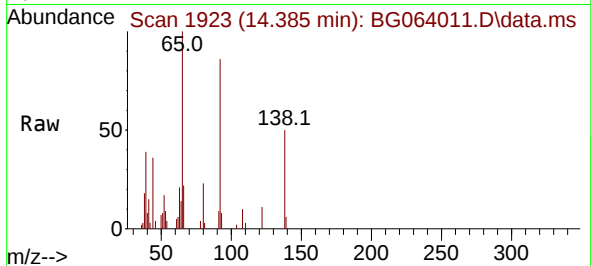




#53
3-Nitroaniline
Concen: 7.833 ng
RT: 14.385 min Scan# 1924
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

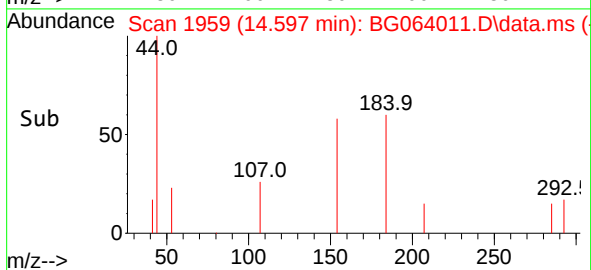
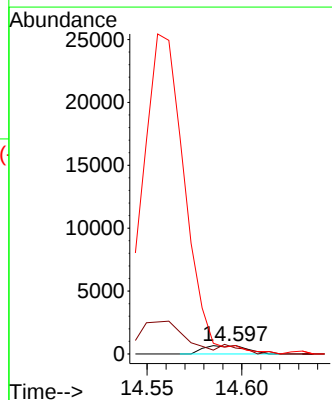
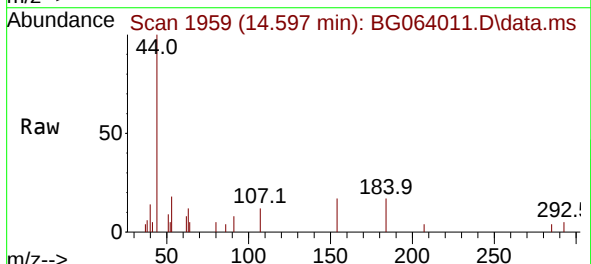
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

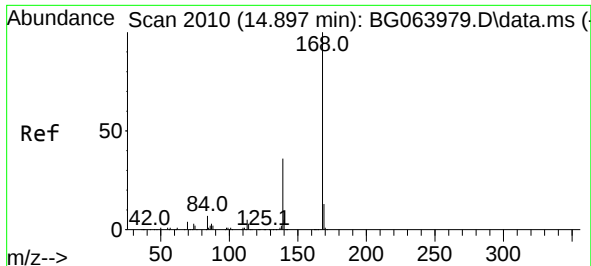
Tgt Ion:138 Resp: 6299
Ion Ratio Lower Upper
138 100
108 20.2 10.3 15.5#
92 171.5 109.0 163.4#



#54
2,4-Dinitrophenol
Concen: 5.682 ng
RT: 14.597 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:184 Resp: 1029
Ion Ratio Lower Upper
184 100
63 68.6 67.3 100.9
154 97.5 65.9 98.9

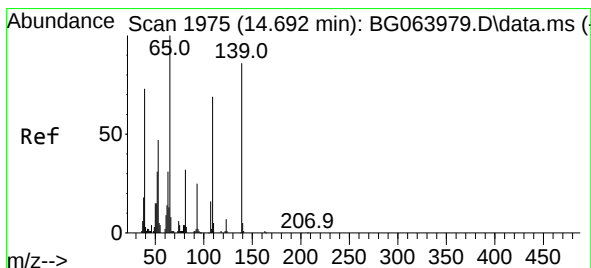
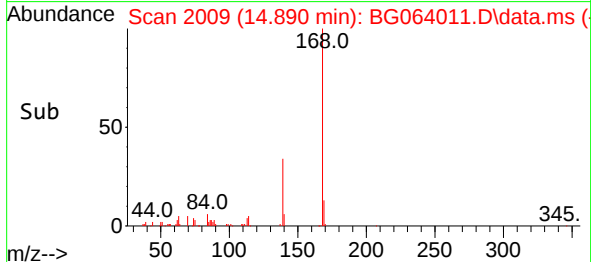
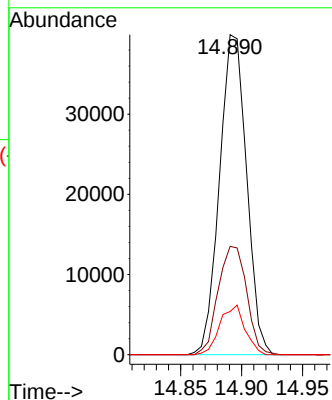
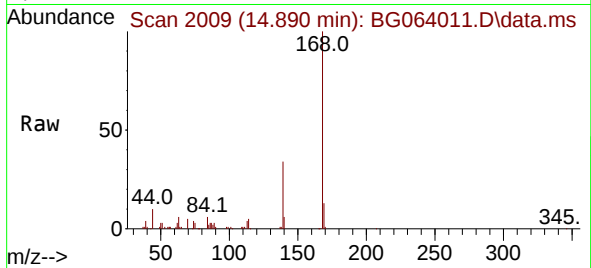




#55
Dibenzofuran
Concen: 4.317 ng
RT: 14.890 min Scan# 2010
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

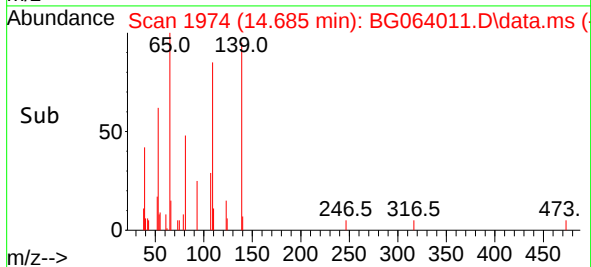
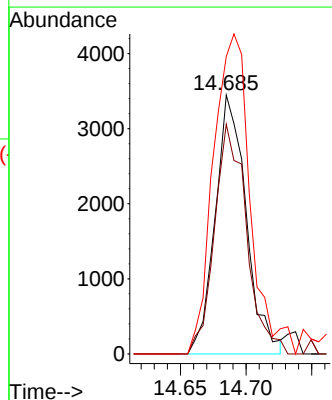
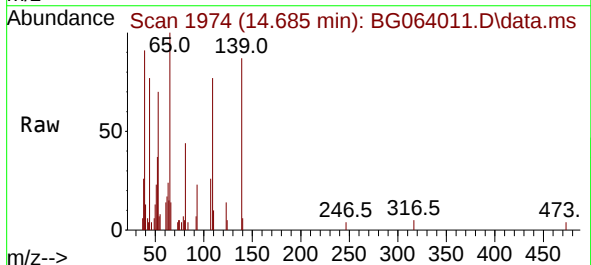
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2024

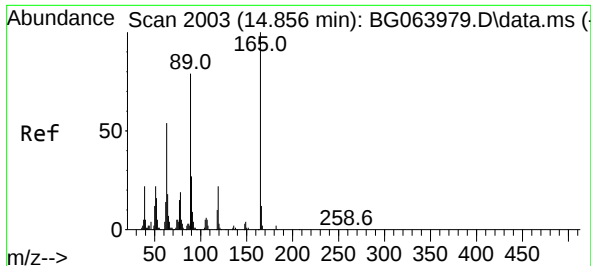
Tgt Ion:168 Resp: 61767
Ion Ratio Lower Upper
168 100
139 33.9 28.6 43.0
169 13.5 10.6 16.0



#56
4-Nitrophenol
Concen: 11.026 ng
RT: 14.685 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:139 Resp: 5663
Ion Ratio Lower Upper
139 100
109 88.8 60.1 100.1
65 114.9 96.2 136.2





#57

2,4-Dinitrotoluene

Concen: 8.447 ng

RT: 14.843 min Scan# 2001

Delta R.T. -0.013 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:165 Resp: 8543

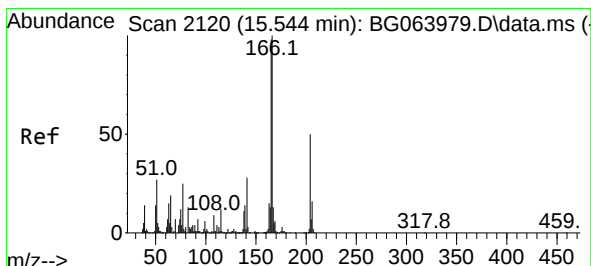
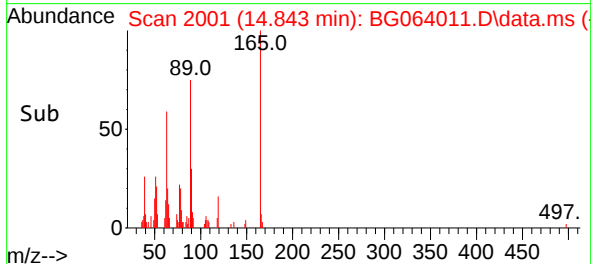
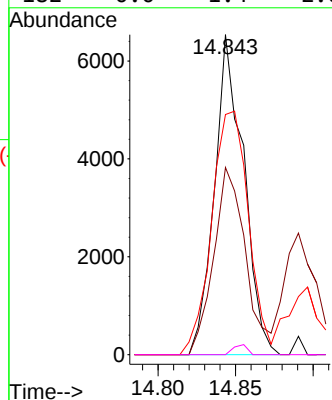
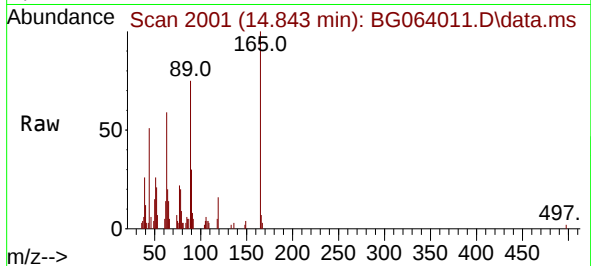
Ion Ratio Lower Upper

165 100

63 58.5 43.6 65.4

89 75.1 63.1 94.7

182 0.0 1.4 2.0#



#58

Fluorene

Concen: 4.361 ng

RT: 15.543 min Scan# 2120

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

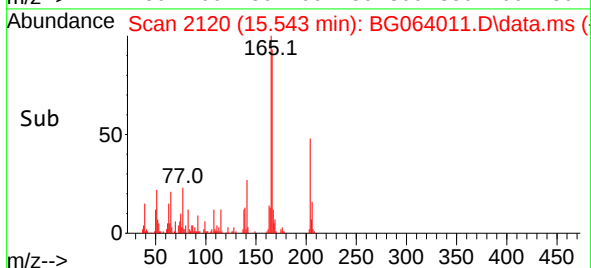
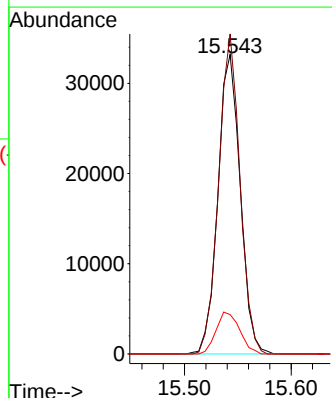
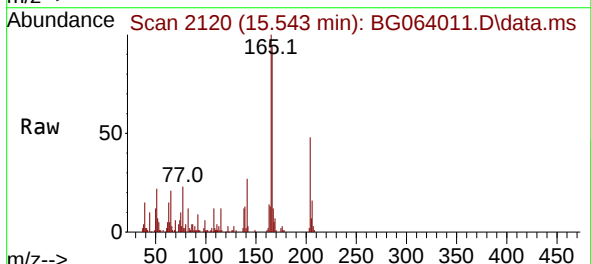
Tgt Ion:166 Resp: 48234

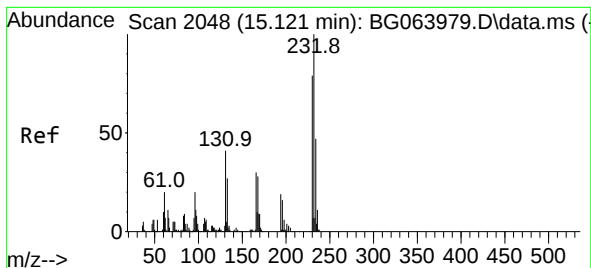
Ion Ratio Lower Upper

166 100

165 106.8 78.7 118.1

167 13.1 10.1 15.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.104 ng

RT: 15.114 min Scan# 2047

Delta R.T. -0.007 min

Lab File: BG064011.D

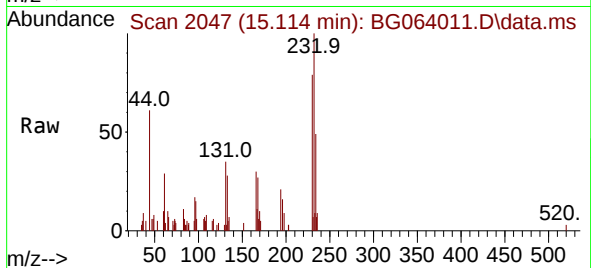
Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:232 Resp: 9312

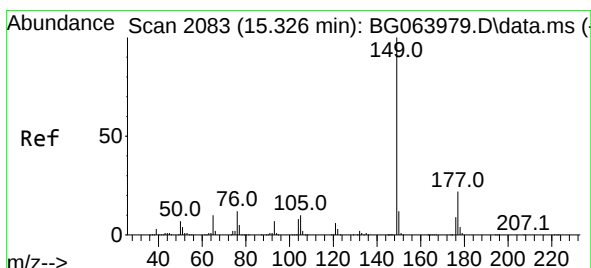
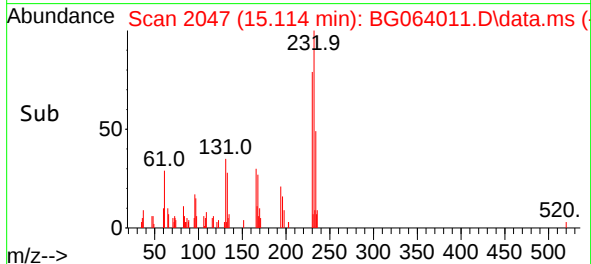
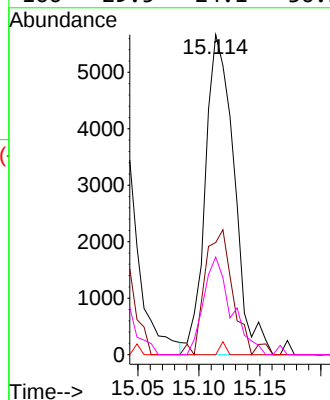
Ion Ratio Lower Upper

232 100

131 38.3 34.0 51.0

130 0.9 2.2 3.4#

166 29.5 24.1 36.1



#60

Diethylphthalate

Concen: 4.338 ng

RT: 15.319 min Scan# 2082

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

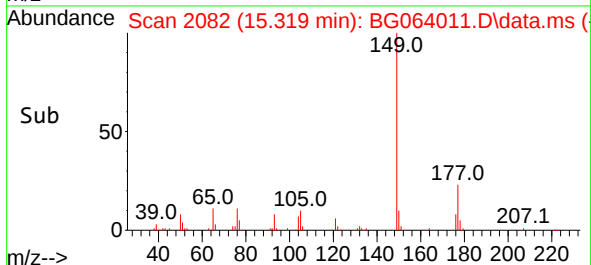
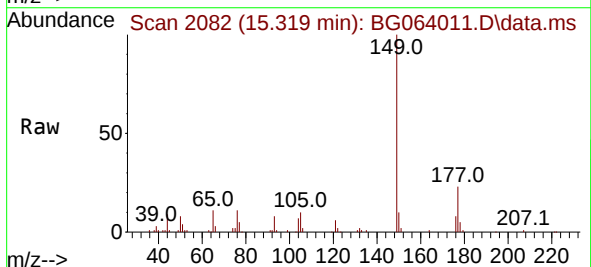
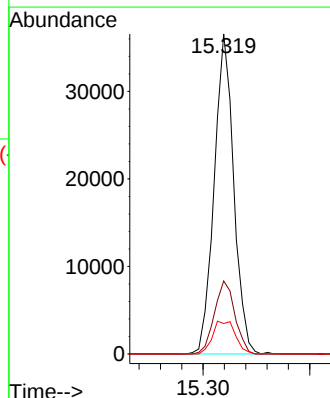
Tgt Ion:149 Resp: 46475

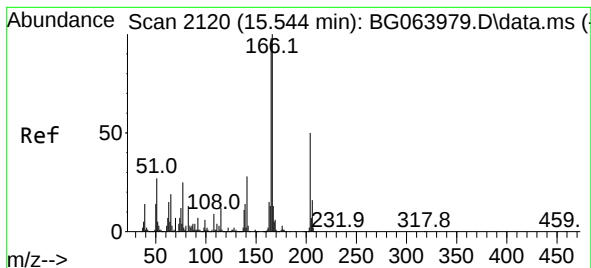
Ion Ratio Lower Upper

149 100

177 22.8 18.0 27.0

150 9.5 9.7 14.5#

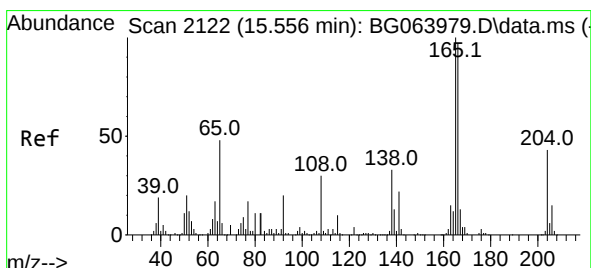
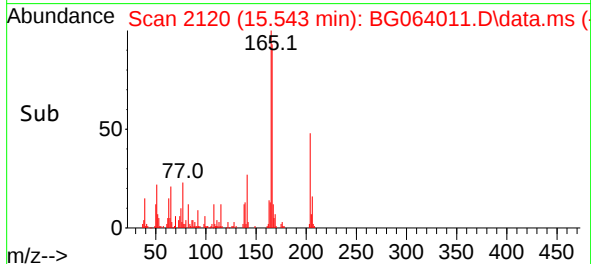
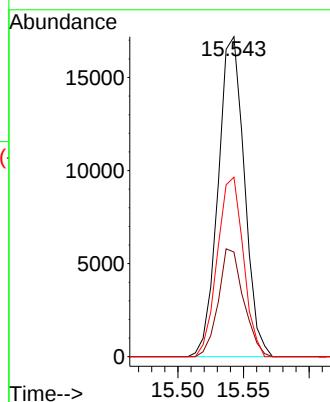
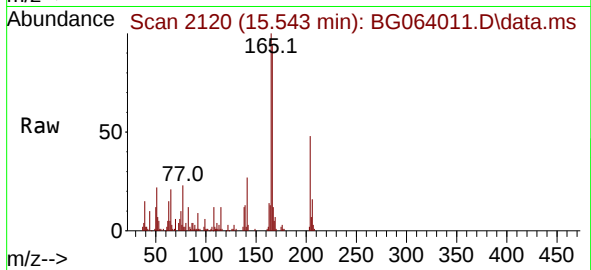




#61
4-Chlorophenyl-phenylether
Concen: 4.306 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

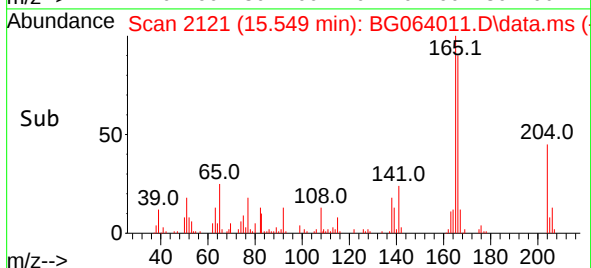
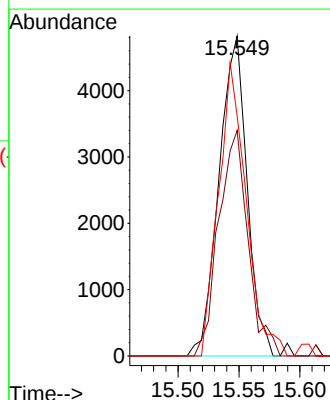
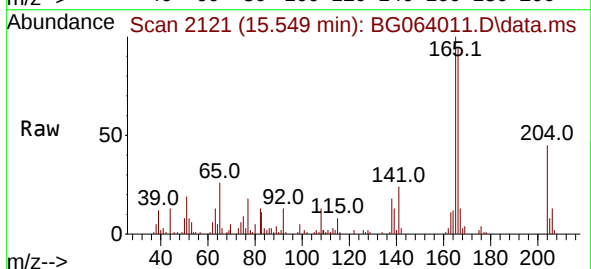
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

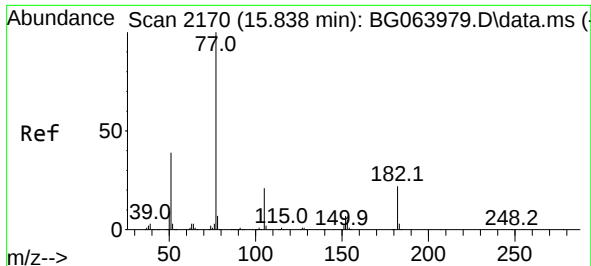
Tgt Ion:204 Resp: 23897
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 56.1 44.6 67.0



#62
4-Nitroaniline
Concen: 6.904 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:138 Resp: 7733
Ion Ratio Lower Upper
138 100
92 70.5 40.3 80.3
108 75.0 69.3 109.3

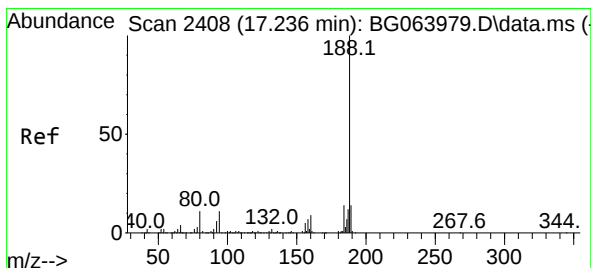
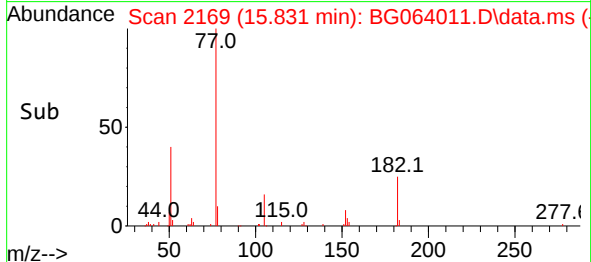
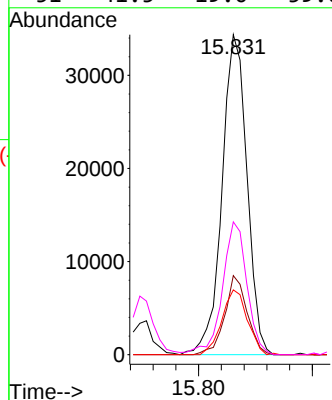
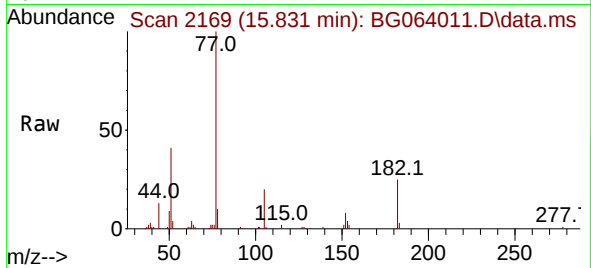




#63
Azobenzene
Concen: 4.145 ng
RT: 15.831 min Scan# 2170
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

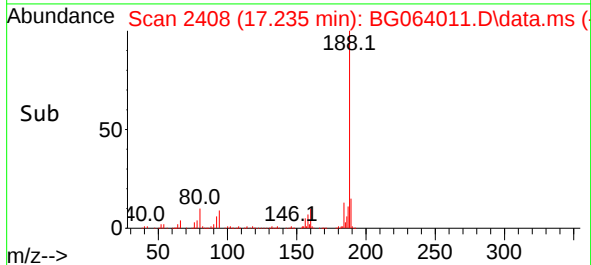
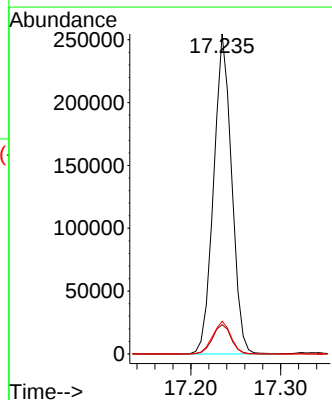
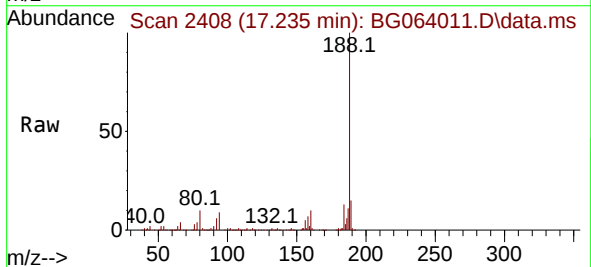
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

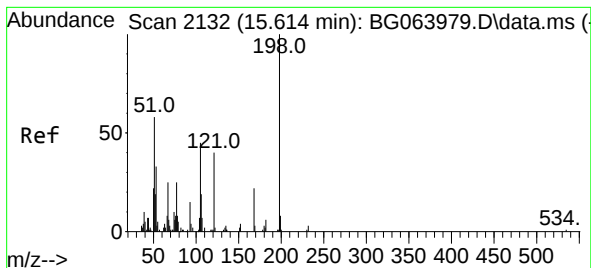
Tgt Ion: 77	Resp: 52456
Ion Ratio	Lower Upper
77 100	
182 24.7	2.3 42.3
105 20.2	1.0 41.0
51 41.5	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:188	Resp: 354449		
Ion Ratio	Lower	Upper	
188 100			
94 9.2	8.6	13.0	
80 10.2	8.5	12.7	

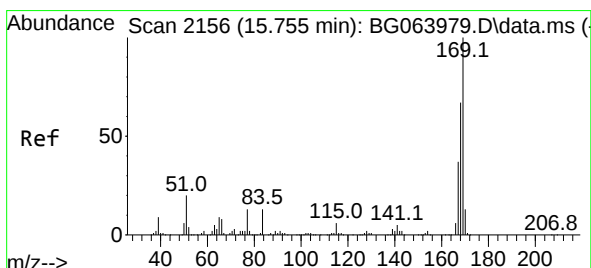
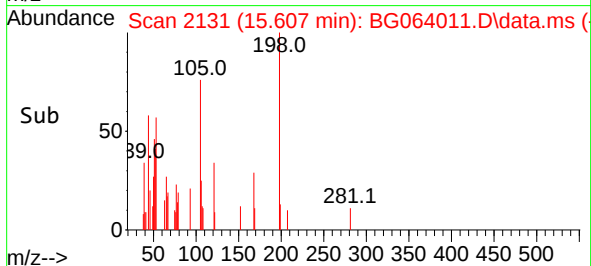
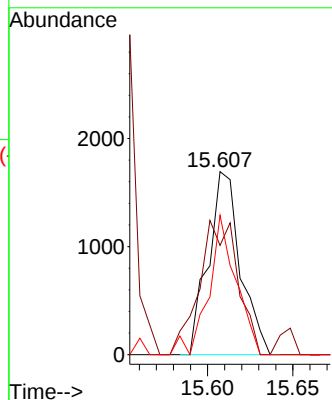
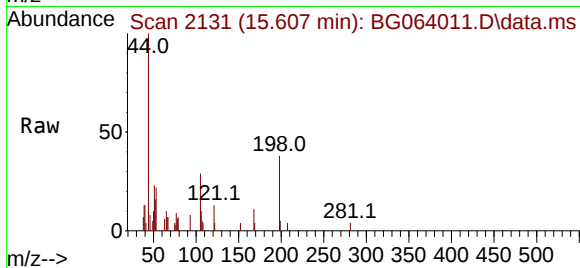




#65
4,6-Dinitro-2-methylphenol
Concen: 6.295 ng
RT: 15.607 min Scan# 2132
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

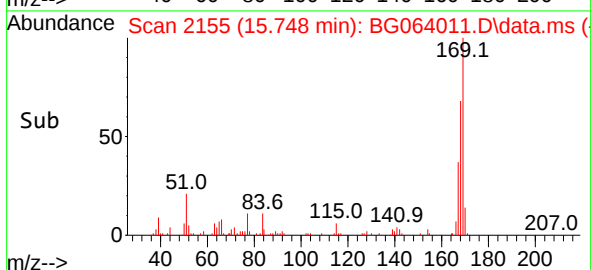
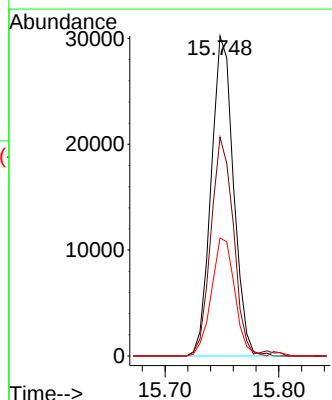
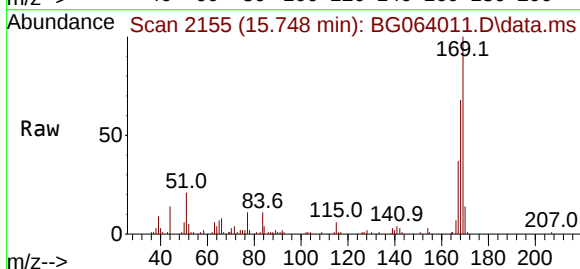
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

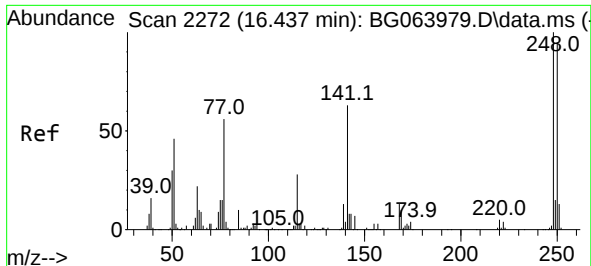
Tgt Ion:198 Resp: 2219
Ion Ratio Lower Upper
198 100
51 59.7 45.4 85.4
105 76.1 27.7 67.7#



#66
n-Nitrosodiphenylamine
Concen: 4.194 ng
RT: 15.748 min Scan# 2155
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:169 Resp: 41217
Ion Ratio Lower Upper
169 100
168 68.4 53.5 80.3
167 36.9 30.0 45.0

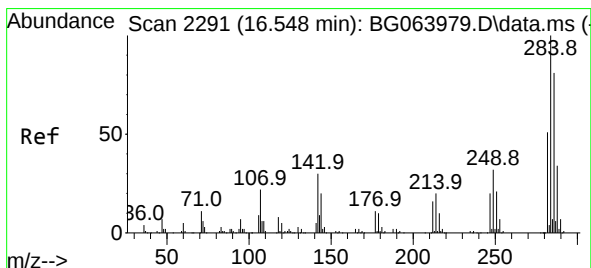
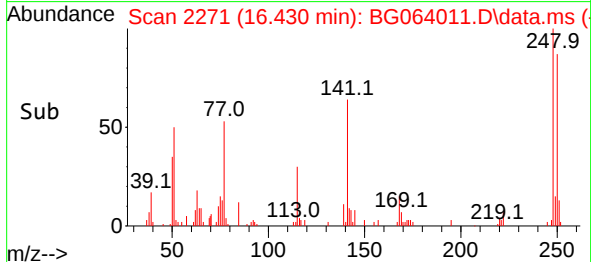
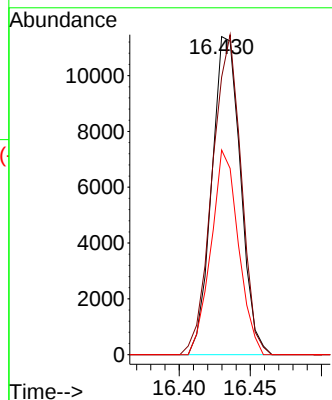
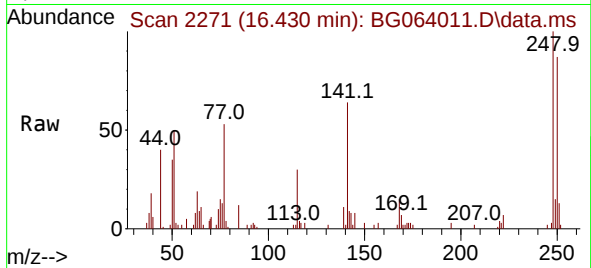




#67
4-Bromophenyl-phenylether
Concen: 4.526 ng
RT: 16.430 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

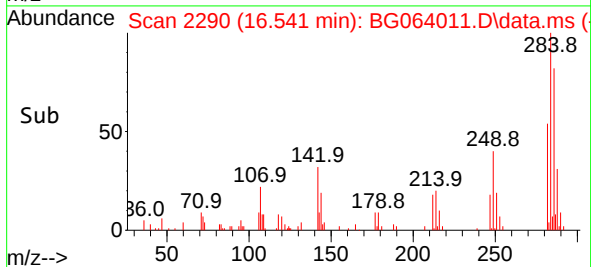
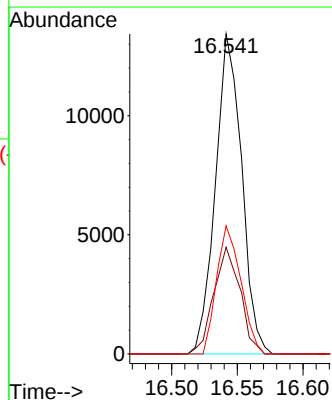
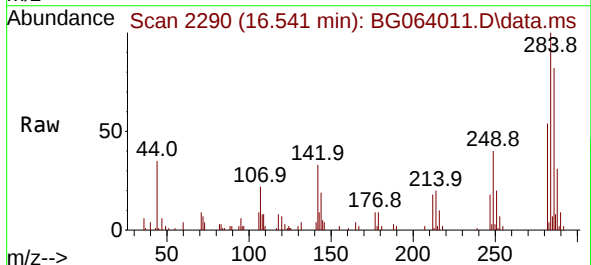
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

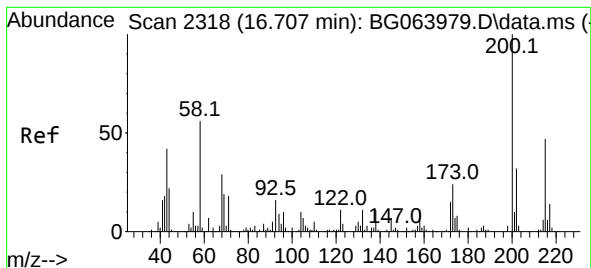
Tgt Ion:248 Resp: 15966
Ion Ratio Lower Upper
248 100
250 87.3 76.2 114.4
141 64.4 50.6 75.8



#68
Hexachlorobenzene
Concen: 4.495 ng
RT: 16.541 min Scan# 2290
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:284 Resp: 18644
Ion Ratio Lower Upper
284 100
142 42.2 23.8 35.8#
249 40.0 25.9 38.9#





#69

Atrazine

Concen: 4.629 ng

RT: 16.694 min Scan# 21

Delta R.T. -0.013 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

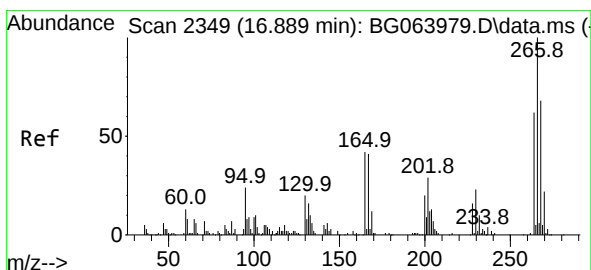
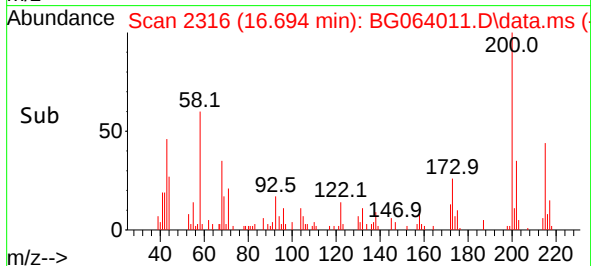
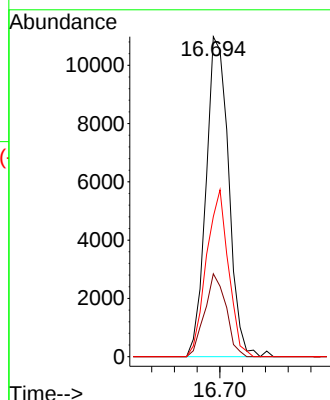
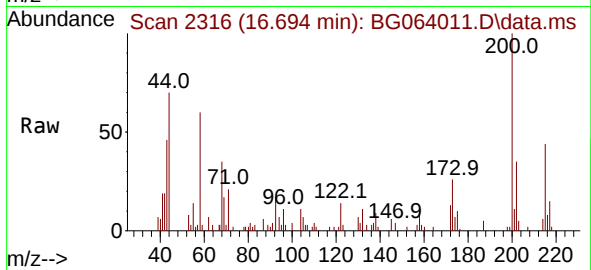
Tgt Ion:200 Resp: 15138

Ion Ratio Lower Upper

200 100

173 25.9 3.8 43.8

215 43.8 26.6 66.6



#70

Pentachlorophenol

Concen: 11.197 ng

RT: 16.888 min Scan# 2349

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

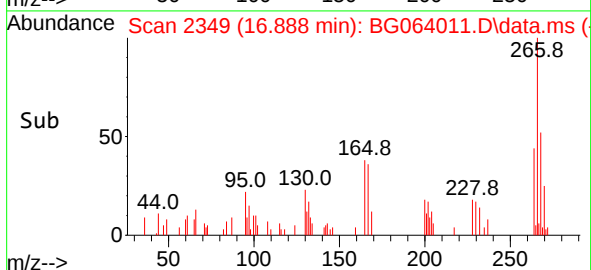
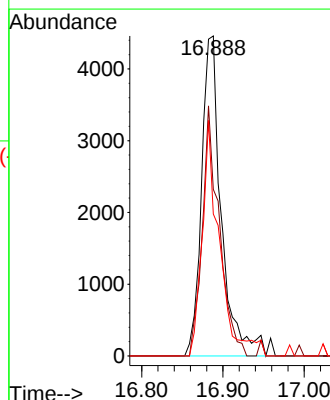
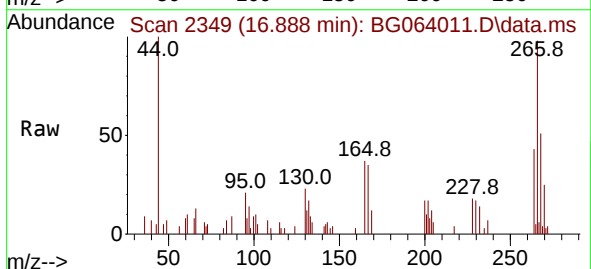
Tgt Ion:266 Resp: 7621

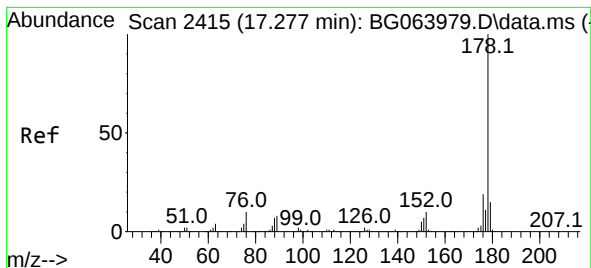
Ion Ratio Lower Upper

266 100

268 52.0 54.8 82.2#

264 44.3 50.0 75.0#





#71

Phenanthrene

Concen: 4.488 ng

RT: 17.276 min Scan# 2415

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

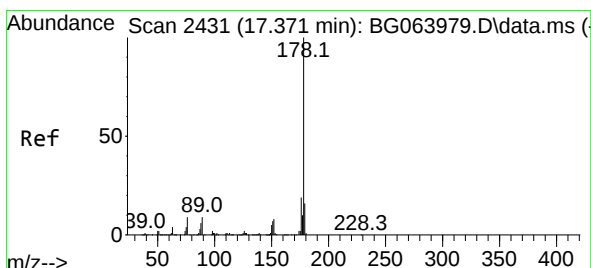
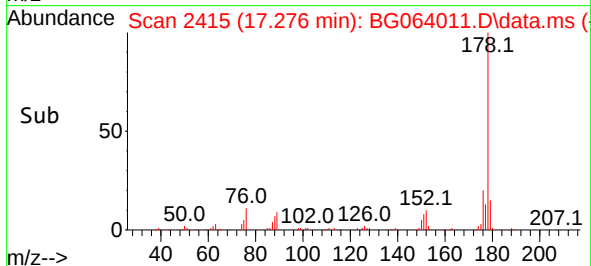
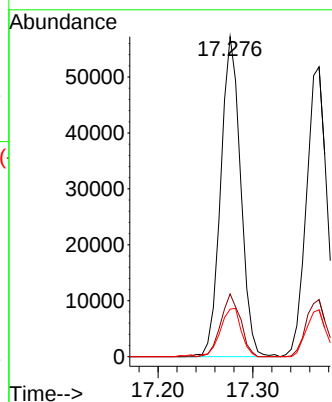
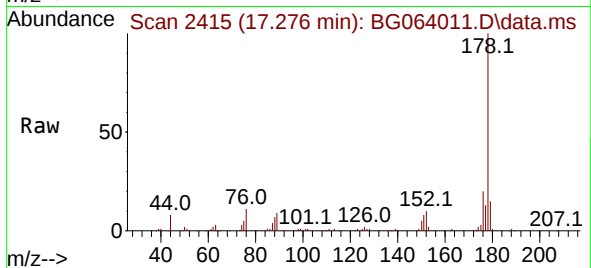
Tgt Ion:178 Resp: 83550

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 14.9 12.2 18.4



#72

Anthracene

Concen: 4.191 ng

RT: 17.370 min Scan# 2431

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

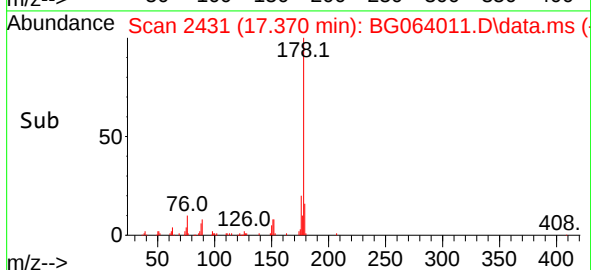
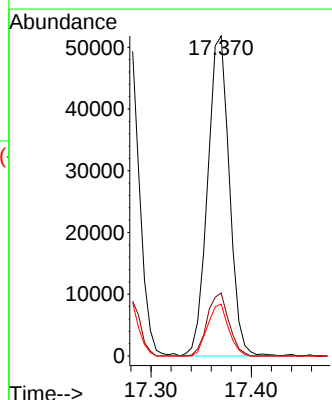
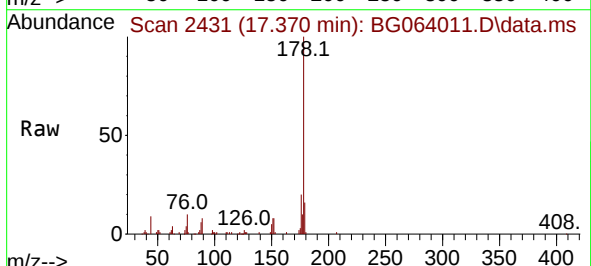
Tgt Ion:178 Resp: 78066

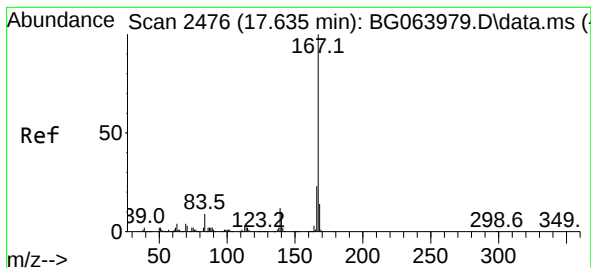
Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.4

179 16.2 12.8 19.2





#73

Carbazole

Concen: 4.369 ng

RT: 17.634 min Scan# 2476

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

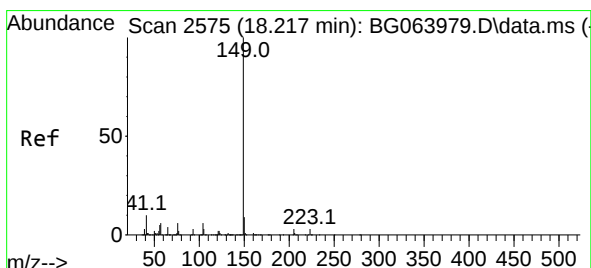
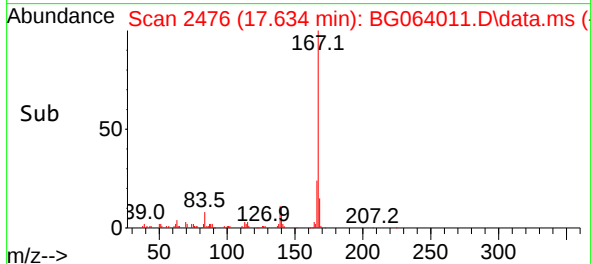
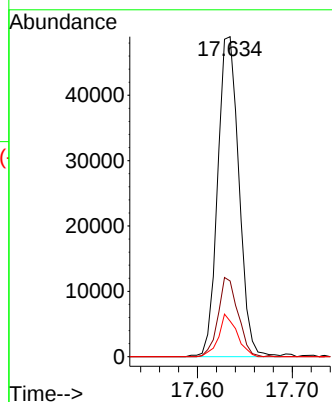
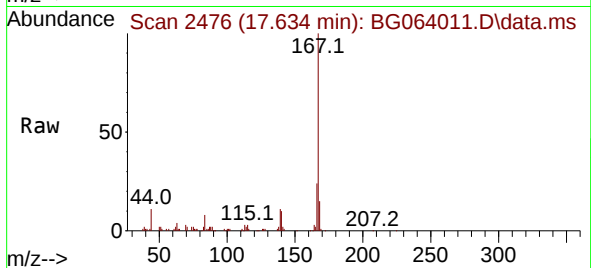
Tgt Ion:167 Resp: 76193

Ion Ratio Lower Upper

167 100

166 23.6 18.6 28.0

139 11.1 9.8 14.8



#74

Di-n-butylphthalate

Concen: 4.442 ng

RT: 18.216 min Scan# 2575

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

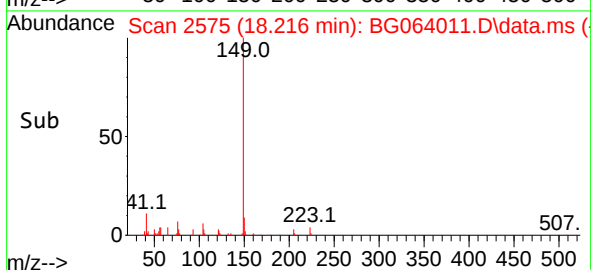
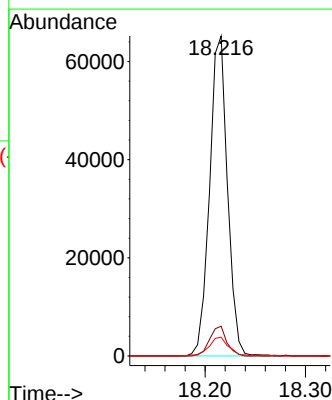
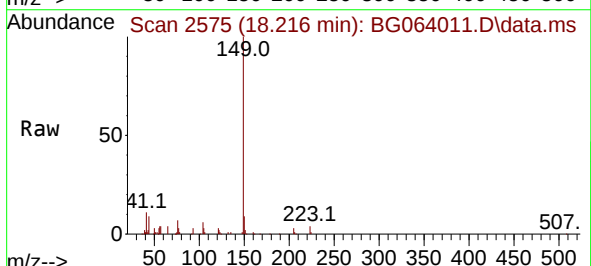
Tgt Ion:149 Resp: 80750

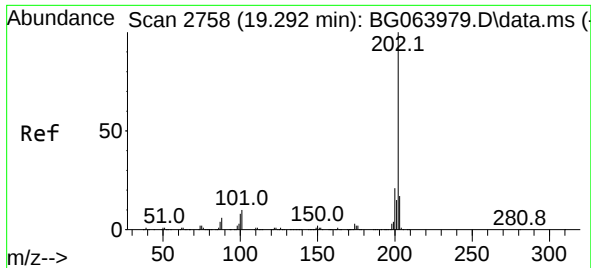
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.8 4.6 6.8

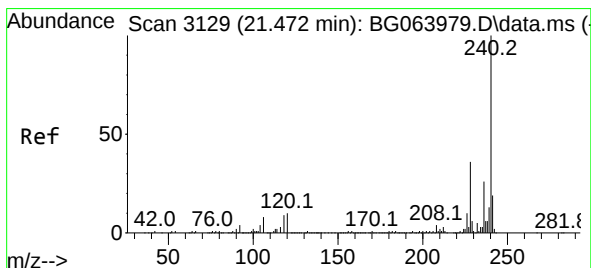
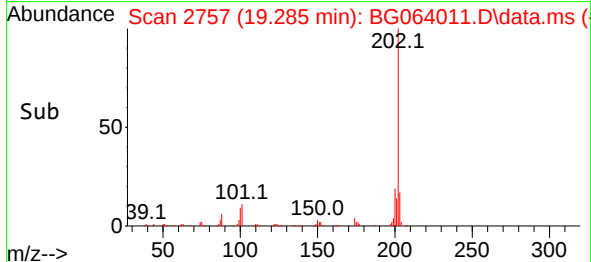
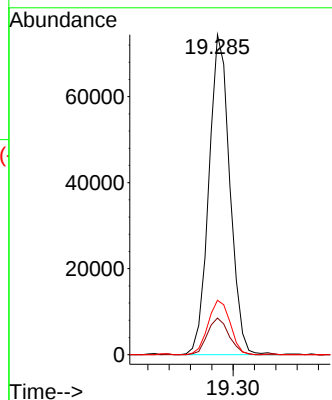
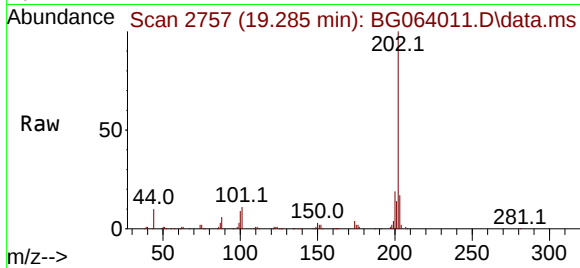




#75
Fluoranthene
Concen: 4.490 ng
RT: 19.285 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

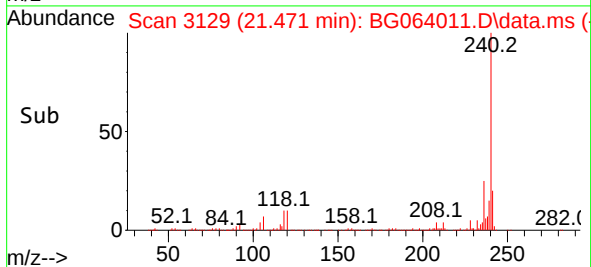
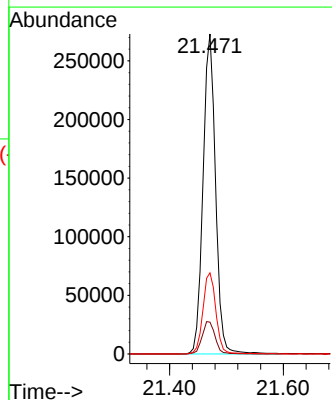
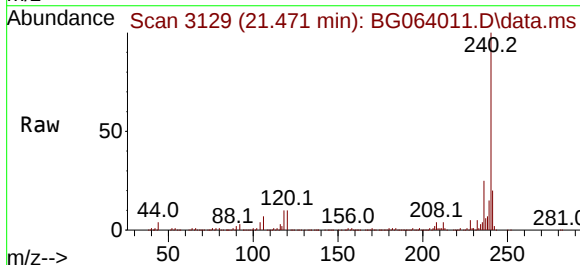
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

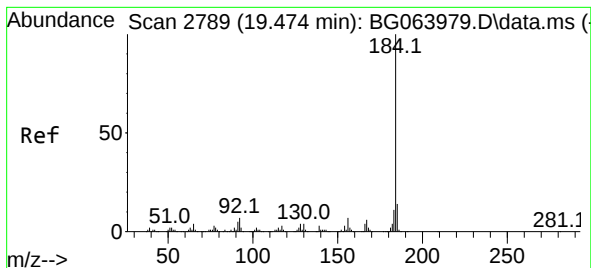
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.4
203	17.0	0.0	37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3129
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	25.3	21.0	31.6





#77

Benzidine

Concen: 2.686 ng

RT: 19.467 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064011.D

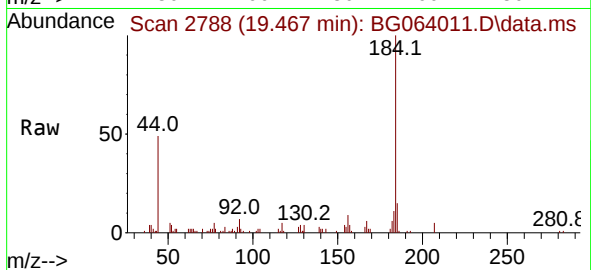
Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024



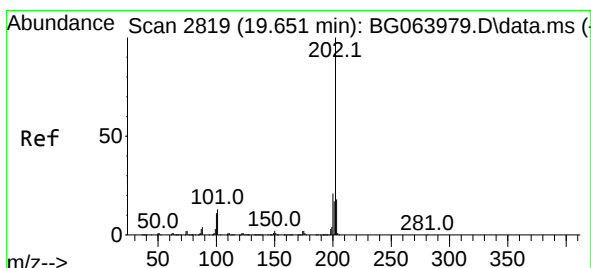
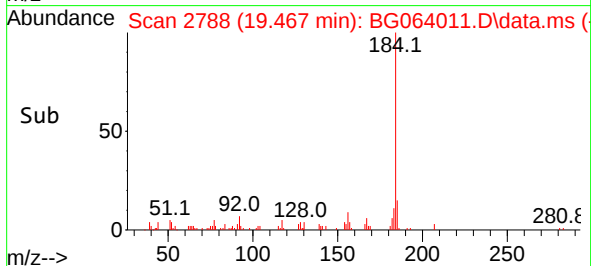
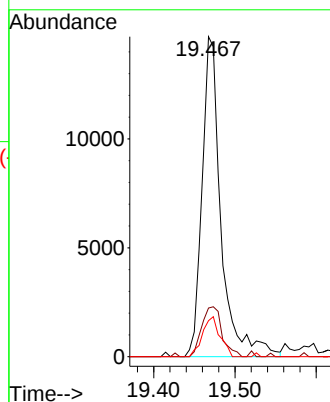
Tgt Ion:184 Resp: 23829

Ion Ratio Lower Upper

184 100

185 15.2 11.2 16.8

183 11.3 8.7 13.1



#78

Pyrene

Concen: 4.754 ng

RT: 19.650 min Scan# 2819

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

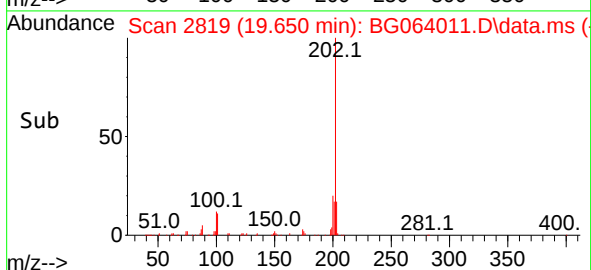
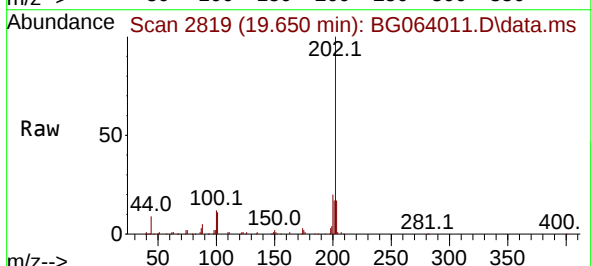
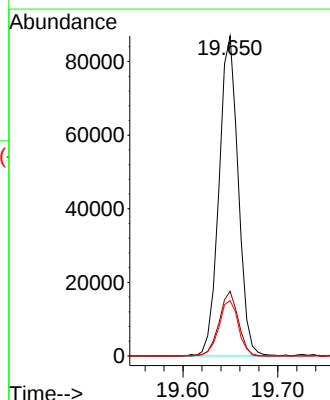
Tgt Ion:202 Resp: 122279

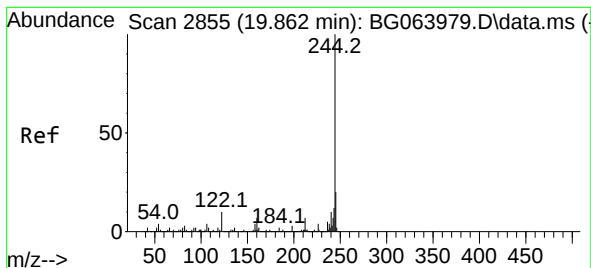
Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 17.3 14.5 21.7





#79

Terphenyl-d14

Concen: 90.407 ng

RT: 19.861 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

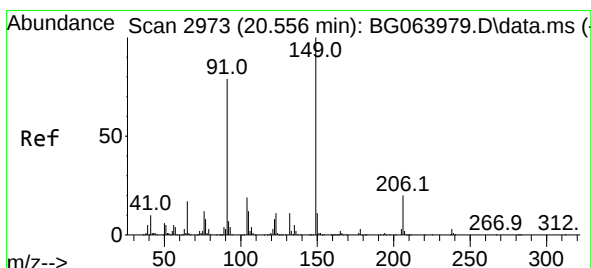
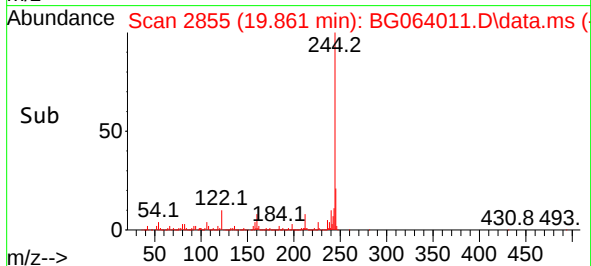
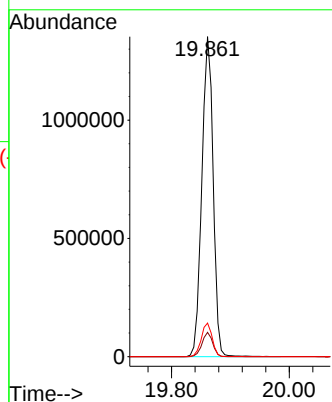
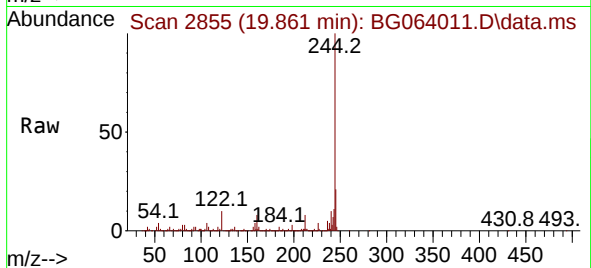
Tgt Ion:244 Resp: 1803433

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 10.5 7.7 11.5



#80

Butylbenzylphthalate

Concen: 8.565 ng

RT: 20.554 min Scan# 2973

Delta R.T. -0.002 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

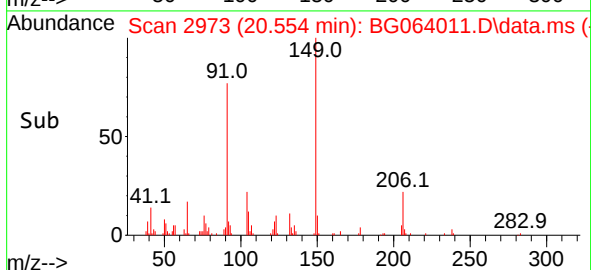
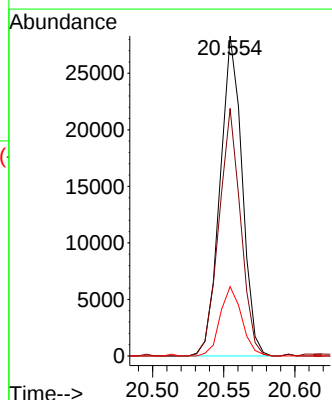
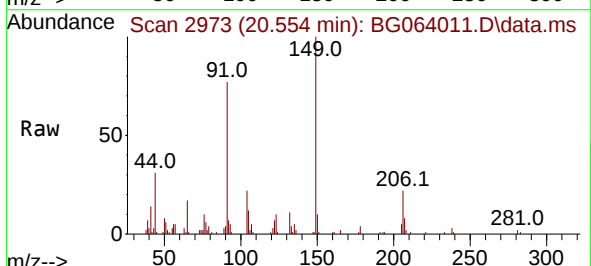
Tgt Ion:149 Resp: 30554

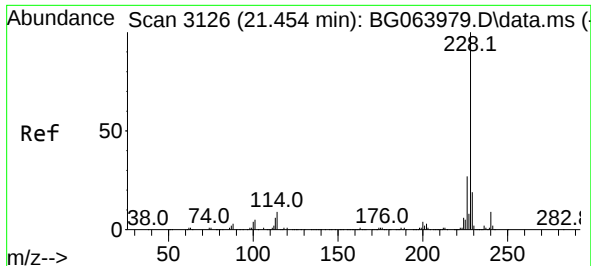
Ion Ratio Lower Upper

149 100

91 77.4 63.0 94.6

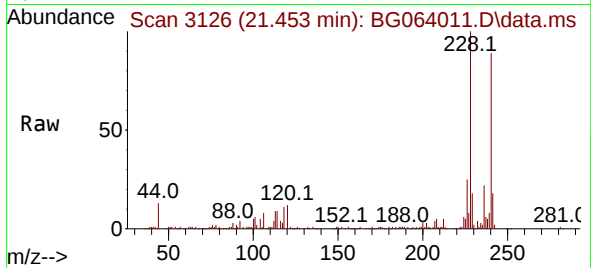
206 21.6 15.8 23.6



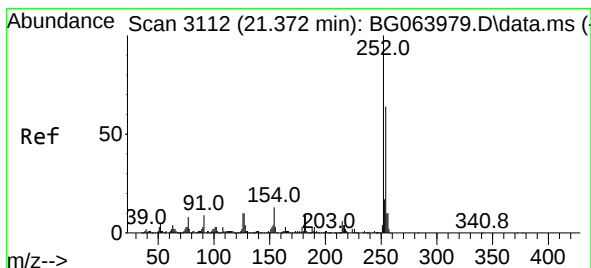
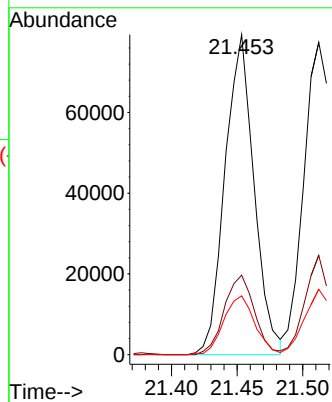
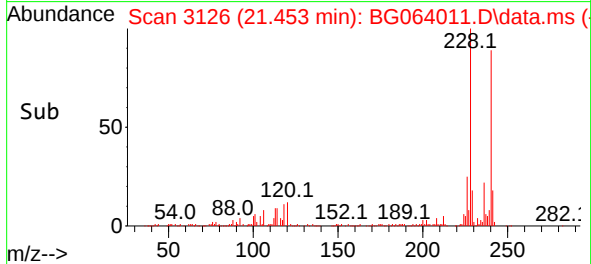


#81
Benzo(a)anthracene
Concen: 4.616 ng
RT: 21.453 min Scan# 3126
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

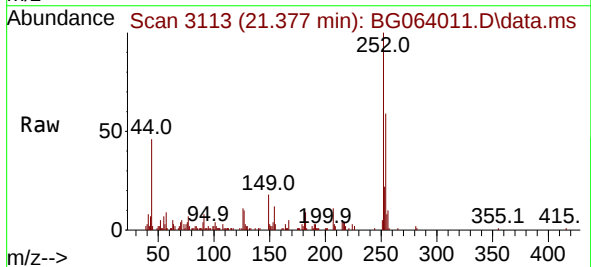
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024



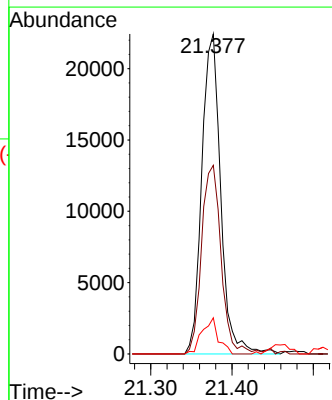
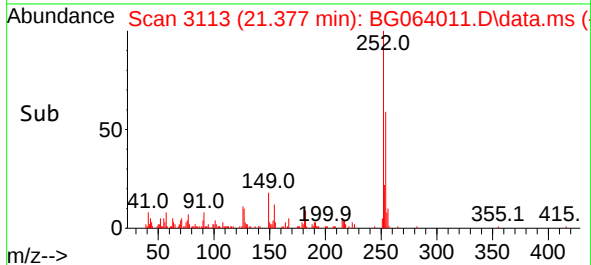
Tgt Ion:228 Resp: 122101
Ion Ratio Lower Upper
228 100
226 24.8 21.8 32.6
229 18.4 15.5 23.3

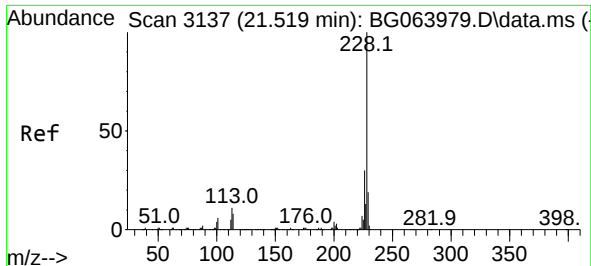


#82
3,3'-Dichlorobenzidine
Concen: 4.394 ng
RT: 21.377 min Scan# 3113
Delta R.T. 0.005 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57



Tgt Ion:252 Resp: 36197
Ion Ratio Lower Upper
252 100
254 58.9 50.8 76.2
126 11.3 8.2 12.2





#83

Chrysene

Concen: 4.767 ng

RT: 21.512 min Scan# 3136

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

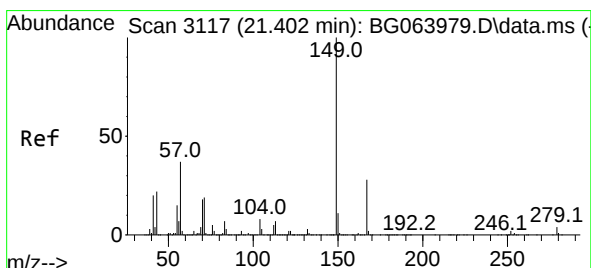
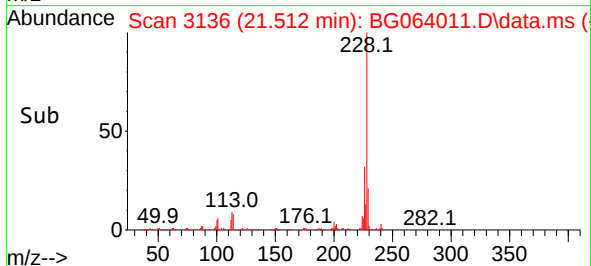
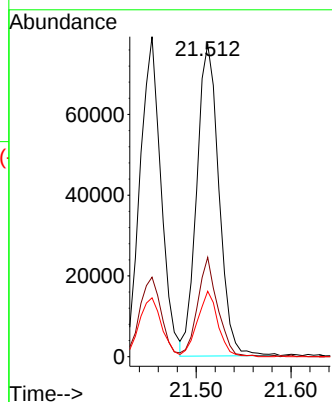
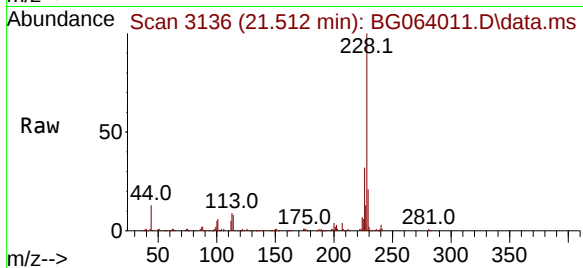
Tgt Ion:228 Resp: 125486

Ion Ratio Lower Upper

228 100

226 31.8 24.2 36.2

229 20.9 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.658 ng

RT: 21.395 min Scan# 3116

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

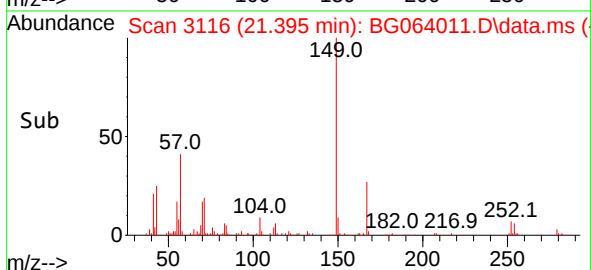
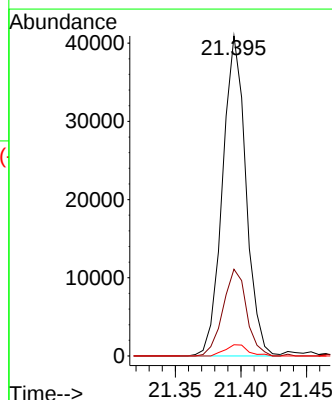
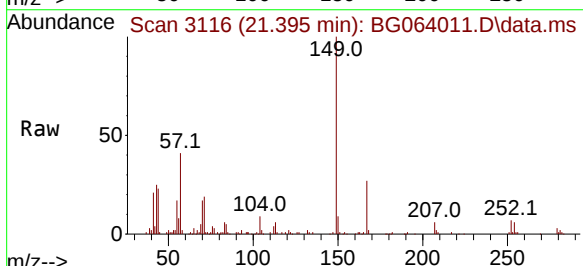
Tgt Ion:149 Resp: 50652

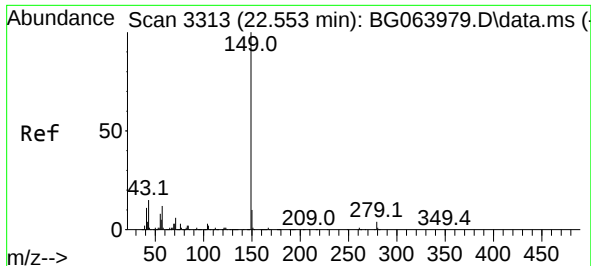
Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

279 3.5 3.0 4.4

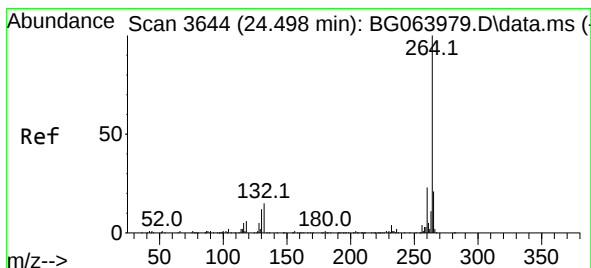
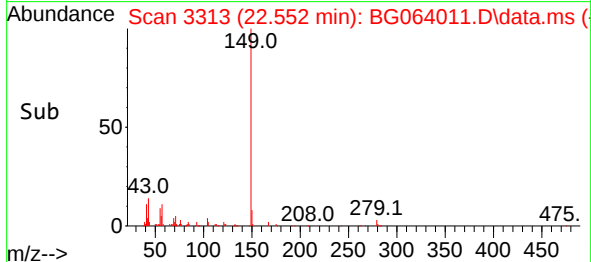
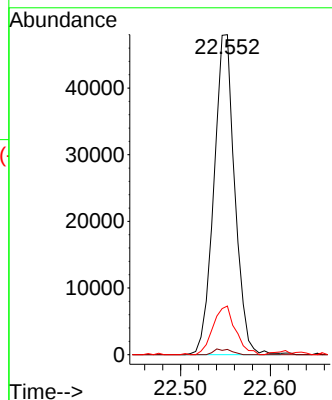
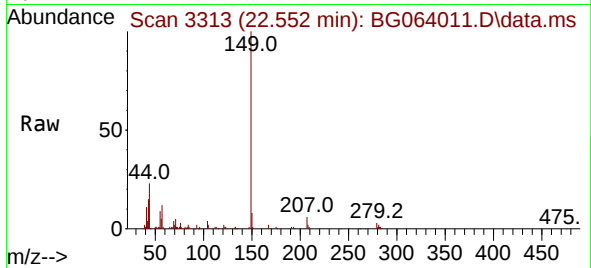




#85
Di-n-octyl phthalate
Concen: 9.754 ng
RT: 22.552 min Scan# 311
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

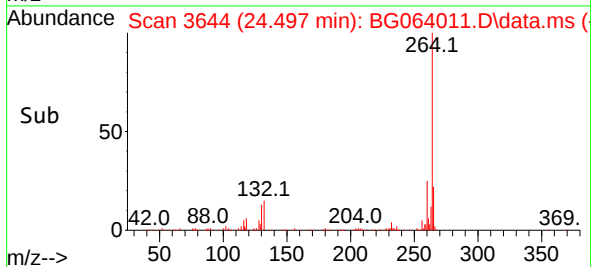
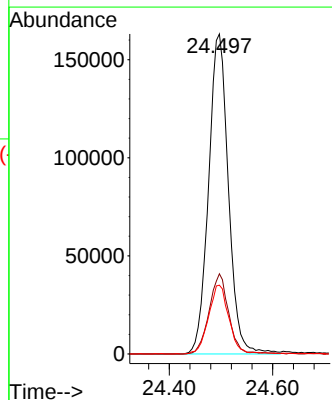
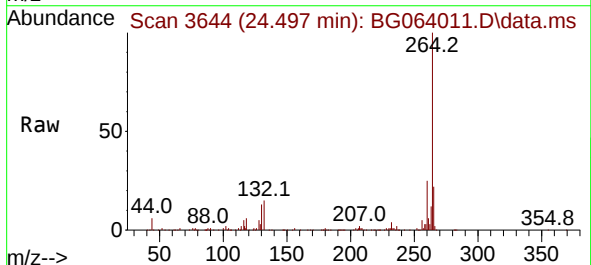
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

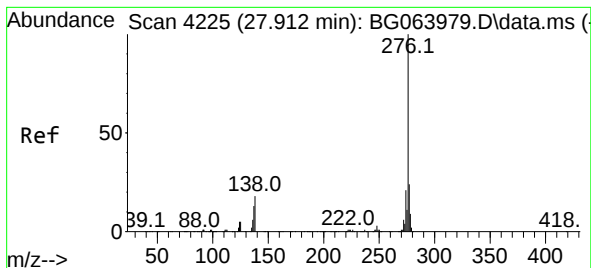
Tgt Ion:149 Resp: 77483
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 16.4 12.3 18.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3644
Delta R.T. -0.001 min
Lab File: BG064011.D
Acq: 6 Feb 2025 10:57

Tgt Ion:264 Resp: 433943
Ion Ratio Lower Upper
264 100
260 25.0 18.7 28.1
265 21.5 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.580 ng

RT: 27.893 min Scan# 4222

Delta R.T. -0.019 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

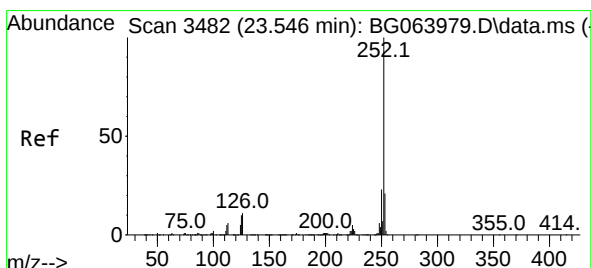
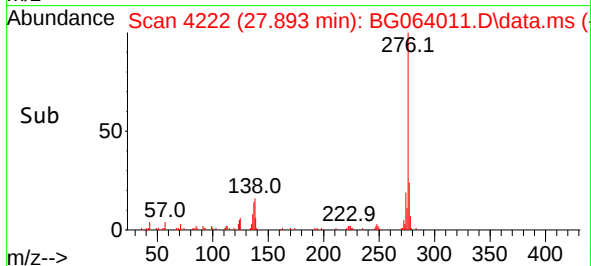
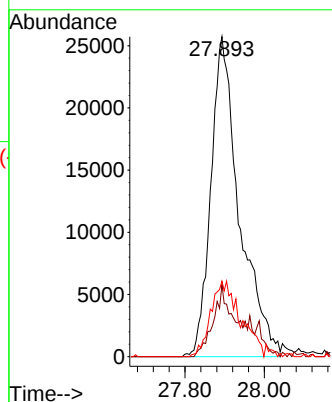
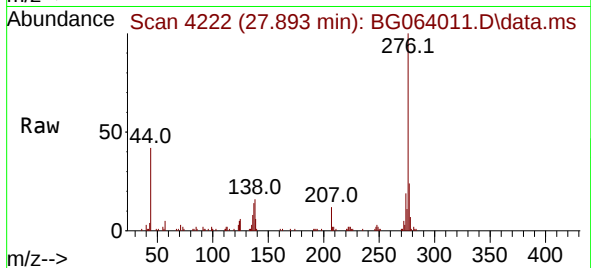
Tgt Ion:276 Resp: 128223

Ion Ratio Lower Upper

276 100

138 15.6 10.7 16.1

277 19.7 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 4.326 ng

RT: 23.539 min Scan# 3481

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

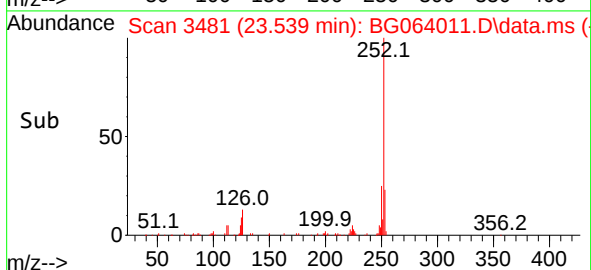
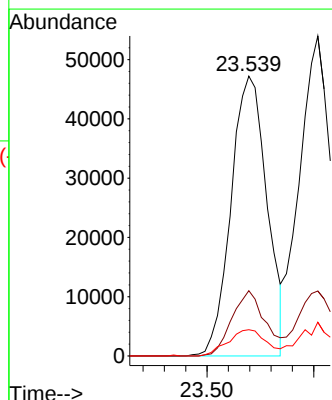
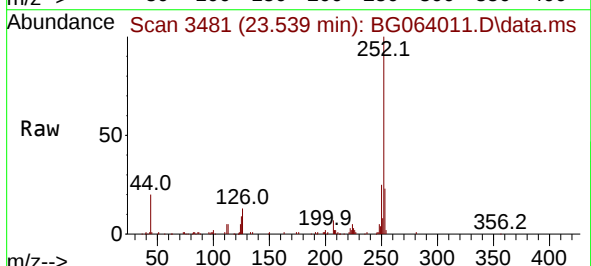
Tgt Ion:252 Resp: 110551

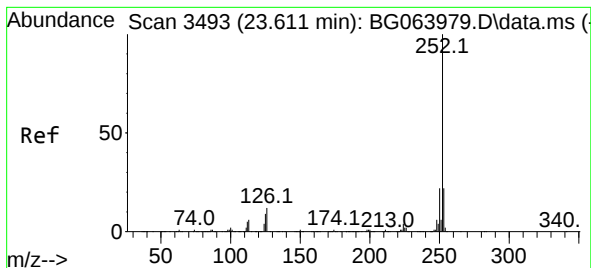
Ion Ratio Lower Upper

252 100

253 23.4 16.9 25.3

125 9.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 4.582 ng

RT: 23.604 min Scan# 34

Delta R.T. -0.007 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

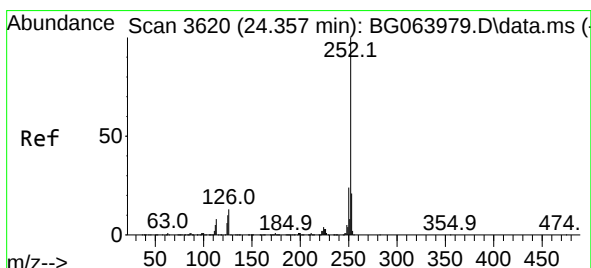
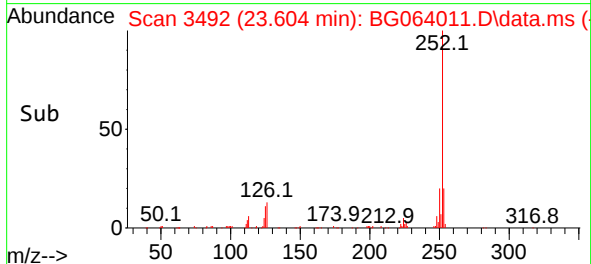
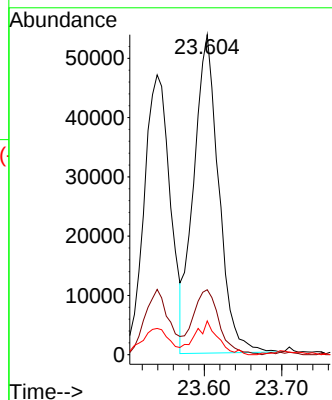
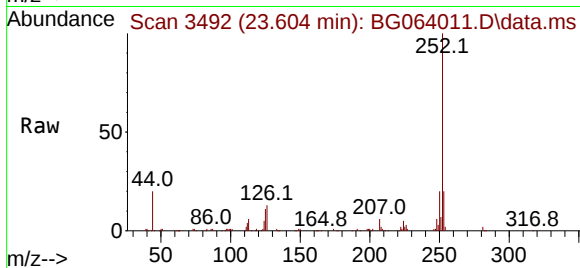
Tgt Ion:252 Resp: 120217

Ion Ratio Lower Upper

252 100

253 20.3 17.7 26.5

125 10.5 7.5 11.3



#90

Benzo(a)pyrene

Concen: 4.519 ng

RT: 24.344 min Scan# 3618

Delta R.T. -0.013 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

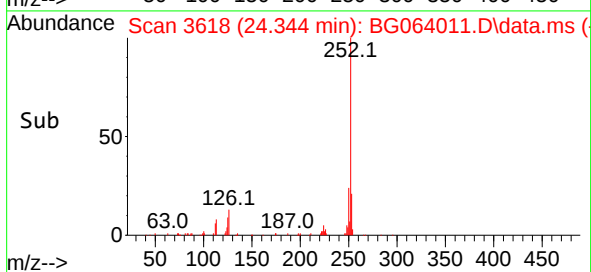
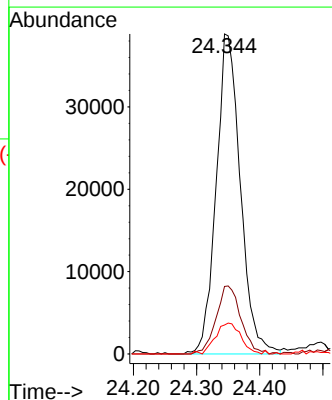
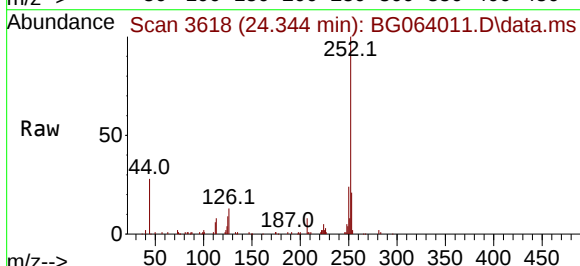
Tgt Ion:252 Resp: 103080

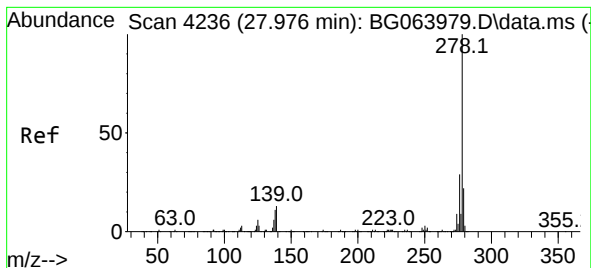
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 9.0 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 4.431 ng

RT: 27.958 min Scan# 41

Delta R.T. -0.019 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2024

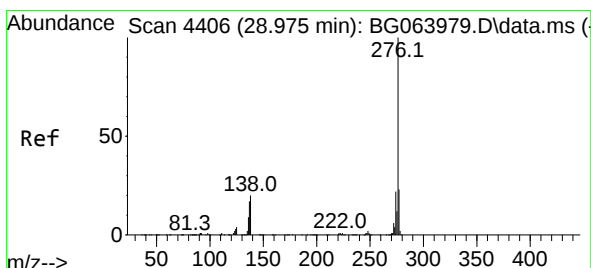
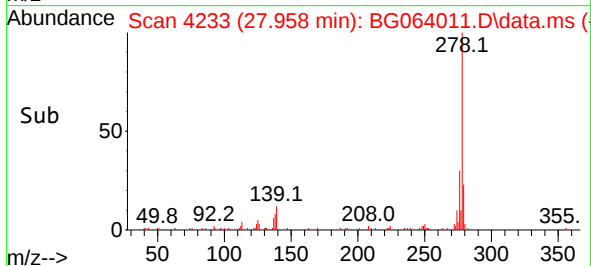
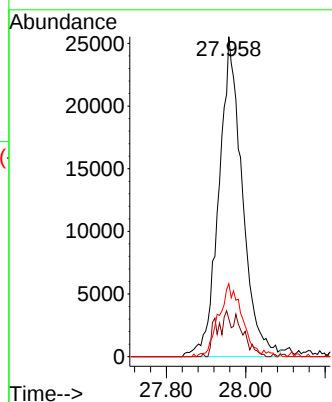
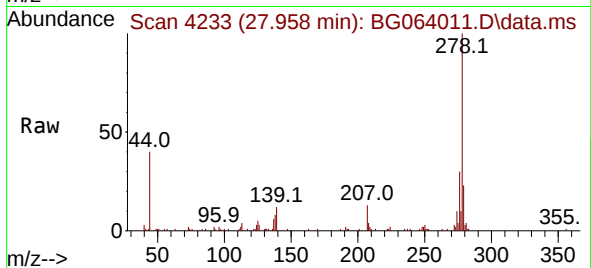
Tgt Ion:278 Resp: 104742

Ion Ratio Lower Upper

278 100

139 11.8 10.8 16.2

279 22.8 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 4.226 ng

RT: 28.962 min Scan# 4404

Delta R.T. -0.013 min

Lab File: BG064011.D

Acq: 6 Feb 2025 10:57

Tgt Ion:276 Resp: 100841

Ion Ratio Lower Upper

276 100

277 18.8 18.2 27.4

138 16.6 15.8 23.6

