

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110124\
 Data File : BG063142.D
 Acq On : 1 Nov 2024 11:04
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 8 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Nov 01 13:34:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 01 05:13:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.848	152	137133	20.000	ng	# 0.00
21) Naphthalene-d8	10.633	136	555826	20.000	ng	# 0.00
39) Acenaphthene-d10	14.481	164	443782	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	1044336	20.000	ng	0.00
76) Chrysene-d12	21.485	240	1200558	20.000	ng	0.00
86) Perylene-d12	24.522	264	1297705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	1022053	115.569	ng	0.00
7) Phenol-d6	7.019	99	1448414	124.981	ng	0.00
23) Nitrobenzene-d5	8.999	82	1161136	90.857	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	912347	121.029	ng	0.00
45) 2-Fluorobiphenyl	13.100	172	2488777	83.062	ng	0.00
79) Terphenyl-d14	19.863	244	4273148	73.245	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.365	88	26402	7.598	ng	98
3) Pyridine	3.752	79	65924	7.859	ng	93
4) n-Nitrosodimethylamine	3.664	42	41758	8.014	ng	# 93
6) Aniline	7.178	93	109858	10.541	ng	95
8) 2-Chlorophenol	7.413	128	72857	8.871	ng	94
9) Benzaldehyde	6.984	77	83052	11.533	ng	# 82
10) Phenol	7.043	94	105189	8.473	ng	95
11) bis(2-Chloroethyl)ether	7.272	93	71946	8.592	ng	88
12) 1,3-Dichlorobenzene	7.736	146	81733	8.202	ng	98
13) 1,4-Dichlorobenzene	7.883	146	83002	8.171	ng	98
14) 1,2-Dichlorobenzene	8.194	146	83469	8.525	ng	95
15) Benzyl Alcohol	8.083	79	83329	8.948	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.365	45	135409	8.915	ng	93
17) 2-Methylphenol	8.282	107	63085	7.988	ng	90
18) Hexachloroethane	8.917	117	30605	8.419	ng	93
19) n-Nitroso-di-n-propyla...	8.647	70	72772	9.017	ng	98
20) 3+4-Methylphenols	8.617	107	81450	7.733	ng	93
22) Acetophenone	8.658	105	132067	8.867	ng	# 92
24) Nitrobenzene	9.040	77	114827	8.309	ng	100
25) Isophorone	9.557	82	199842	9.040	ng	# 96
26) 2-Nitrophenol	9.745	139	41122	8.091	ng	92
27) 2,4-Dimethylphenol	9.816	122	33355	5.338	ng	96
28) bis(2-Chloroethoxy)met...	10.039	93	95797	8.265	ng	97
29) 2,4-Dichlorophenol	10.286	162	72576	7.691	ng	# 75
30) 1,2,4-Trichlorobenzene	10.498	180	92592	7.977	ng	98
31) Naphthalene	10.685	128	241562	8.239	ng	99
33) 4-Chloroaniline	10.791	127	90352	9.131	ng	98
34) Hexachlorobutadiene	10.973	225	74389	7.787	ng	88
35) Caprolactam	11.543	113	24190	8.027	ng	95
36) 4-Chloro-3-methylphenol	11.919	107	79868	7.346	ng	95
37) 2-Methylnaphthalene	12.295	142	166567	8.008	ng	89
38) 1-Methylnaphthalene	12.513	142	157372	7.687	ng	# 100
40) 1,2,4,5-Tetrachloroben...	12.671	216	128889	8.082	ng	98
41) Hexachlorocyclopentadiene	12.648	237	14360	2.771	ng	81
43) 2,4,6-Trichlorophenol	12.983	196	77204	8.086	ng	97
44) 2,4,5-Trichlorophenol	12.983	196	77204	7.355	ng	96

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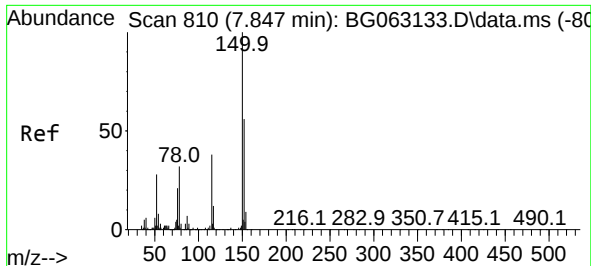
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 01 05:13:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.312	154	252653	8.388	ng	97
47) 2-Chloronaphthalene	13.353	162	198557	7.871	ng	96
48) 2-Nitroaniline	13.553	65	68217	7.705	ng	89
49) Acenaphthylene	14.199	152	301180	8.457	ng	97
50) Dimethylphthalate	13.935	163	248121	7.845	ng	99
51) 2,6-Dinitrotoluene	14.052	165	47959	7.102	ng	91
52) Acenaphthene	14.546	154	172387	7.819	ng	95
53) 3-Nitroaniline	14.387	138	49974	7.795	ng	# 90
54) 2,4-Dinitrophenol	14.593	184	19774	4.801	ng	95
55) Dibenzofuran	14.881	168	319205	8.211	ng	98
56) 4-Nitrophenol	14.698	139	36263	7.471	ng	94
57) 2,4-Dinitrotoluene	14.845	165	72147	7.470	ng	# 96
58) Fluorene	15.533	166	244829	7.947	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.110	232	79764	7.918	ng	97
60) Diethylphthalate	15.304	149	257066	7.916	ng	97
61) 4-Chlorophenyl-phenyle...	15.527	204	152165	7.947	ng	# 89
62) 4-Nitroaniline	15.550	138	56169	7.941	ng	# 71
63) Azobenzene	15.815	77	276994	8.246	ng	96
65) 4,6-Dinitro-2-methylph...	15.609	198	47005	7.001	ng	94
66) n-Nitrosodiphenylamine	15.738	169	223779	8.589	ng	98
67) 4-Bromophenyl-phenylether	16.420	248	104608	8.173	ng	91
68) Hexachlorobenzene	16.537	284	122651	8.272	ng	97
69) Atrazine	16.690	200	101473	8.473	ng	97
70) Pentachlorophenol	16.890	266	44596	6.045	ng	98
71) Phenanthrene	17.272	178	436219	8.616	ng	99
72) Anthracene	17.360	178	405560	8.162	ng	95
73) Carbazole	17.636	167	384781	8.226	ng	98
74) Di-n-butylphthalate	18.194	149	428132	8.061	ng	97
75) Fluoranthene	19.293	202	564661	7.879	ng	98
77) Benzidine	19.475	184	148523	8.029	ng	96
78) Pyrene	19.651	202	594264	8.350	ng	98
80) Butylbenzylphthalate	20.550	149	186694	8.142	ng	98
81) Benzo(a)anthracene	21.461	228	632206	8.362	ng	96
82) 3,3'-Dichlorobenzidine	21.385	252	235959	8.418	ng	97
83) Chrysene	21.526	228	598941	8.434	ng	100
84) Bis(2-ethylhexyl)phtha...	21.379	149	276759	8.320	ng	99
85) Di-n-octyl phthalate	22.525	149	460964	8.283	ng	99
87) Indeno(1,2,3-cd)pyrene	27.936	276	768807	8.827	ng	# 94
88) Benzo(b)fluoranthene	23.559	252	637588	8.427	ng	95
89) Benzo(k)fluoranthene	23.623	252	644365	8.927	ng	99
90) Benzo(a)pyrene	24.369	252	593542	8.988	ng	99
91) Dibenzo(a,h)anthracene	27.989	278	638822	8.787	ng	98
92) Benzo(g,h,i)perylene	29.011	276	581314	8.089	ng	96

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

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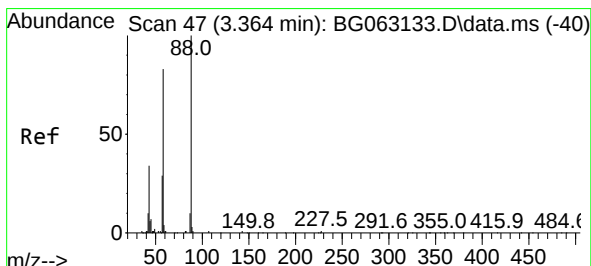
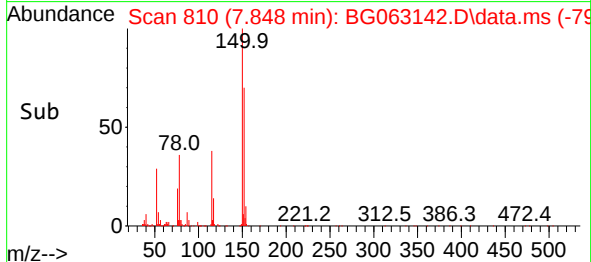
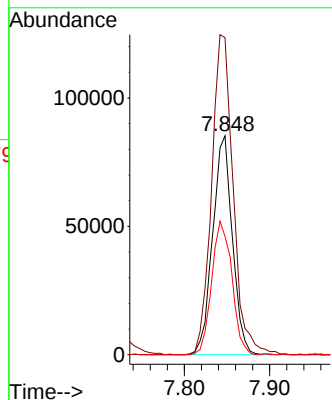
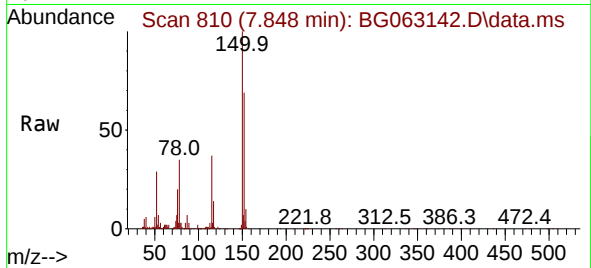
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.848 min Scan# 810
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

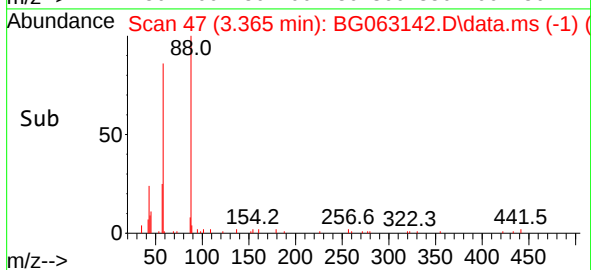
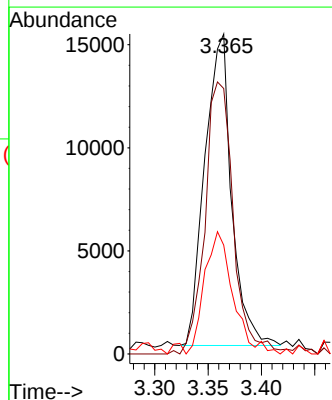
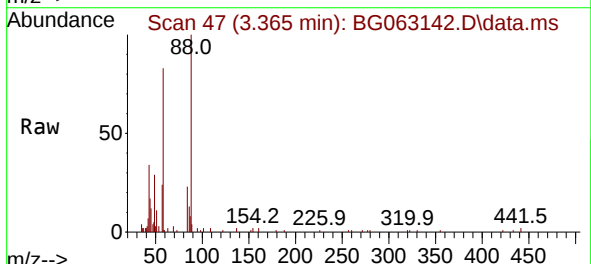
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

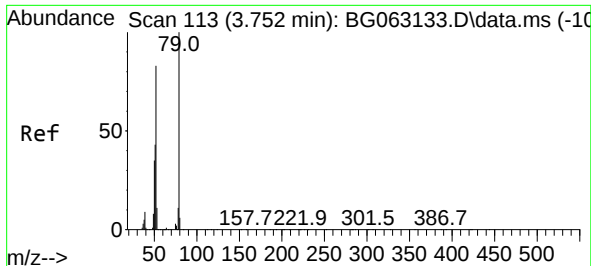
Tgt Ion:152 Resp: 137133
Ion Ratio Lower Upper
152 100
150 144.8 143.1 214.7
115 54.0 55.0 82.4#



#2
1,4-Dioxane
Concen: 7.598 ng
RT: 3.365 min Scan# 47
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 88 Resp: 26402
Ion Ratio Lower Upper
88 100
58 92.1 73.8 110.6
43 43.1 32.0 48.0

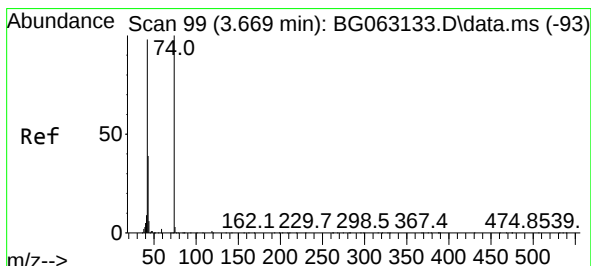
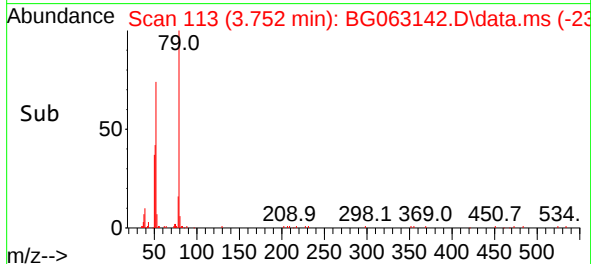
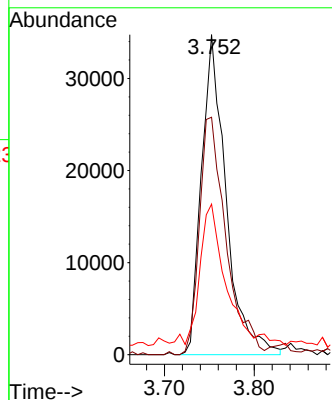
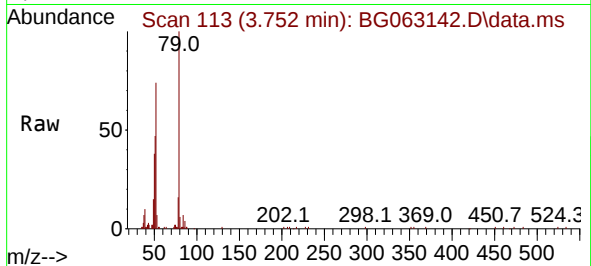




#3
Pyridine
Concen: 7.859 ng
RT: 3.752 min Scan# 113
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

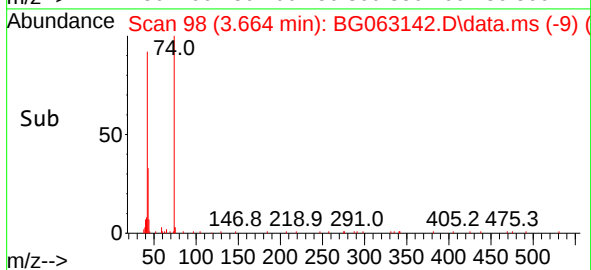
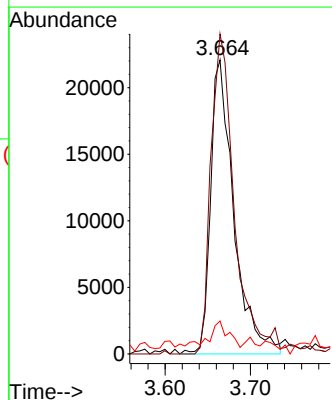
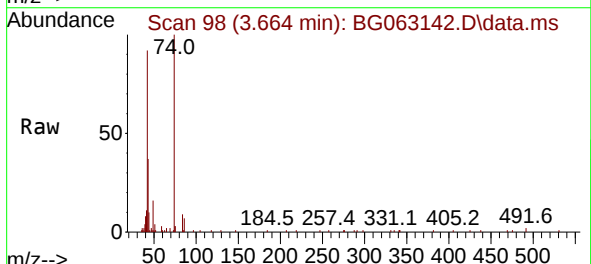
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

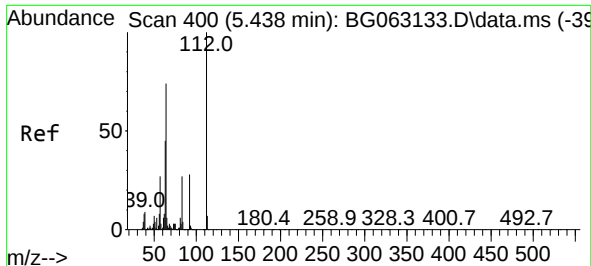
Tgt Ion: 79 Resp: 65924
Ion Ratio Lower Upper
79 100
52 74.2 66.1 99.1
51 47.0 36.6 54.8



#4
n-Nitrosodimethylamine
Concen: 8.014 ng
RT: 3.664 min Scan# 98
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 42 Resp: 41758
Ion Ratio Lower Upper
42 100
74 108.8 81.9 122.9
44 11.2 5.8 8.8

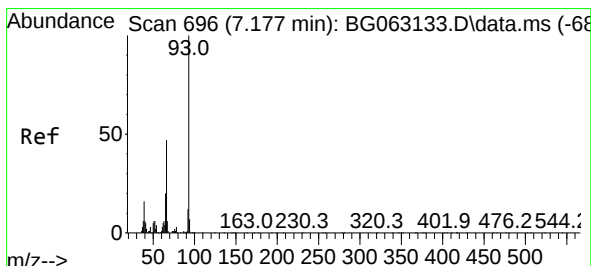
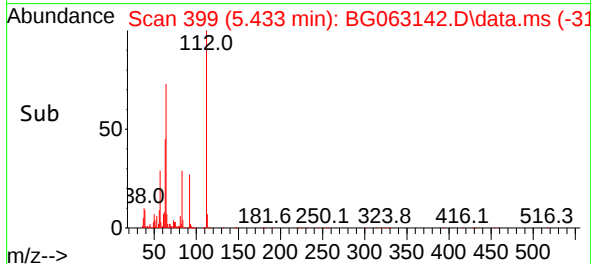
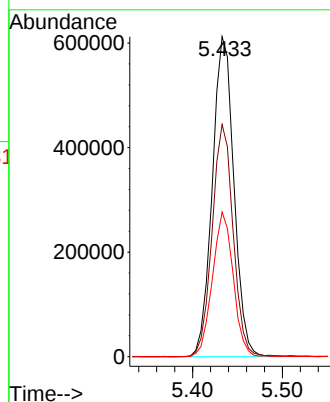
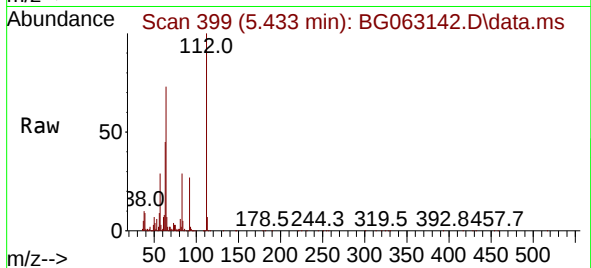




#5
2-Fluorophenol
Concen: 115.569 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

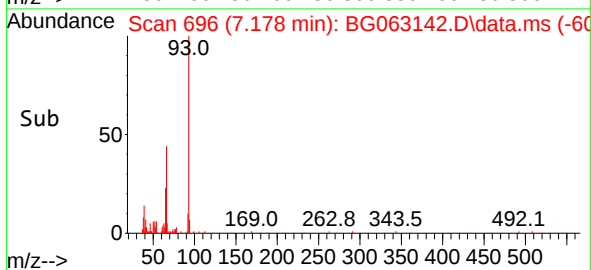
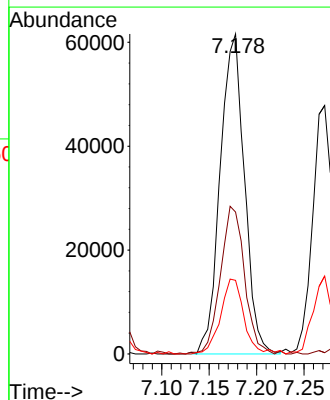
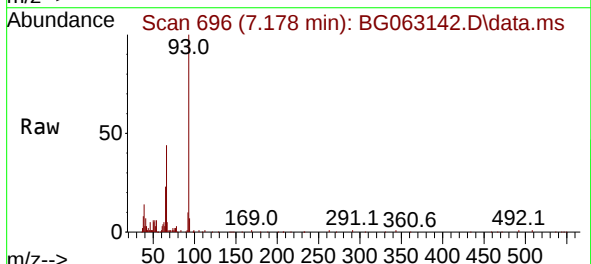
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

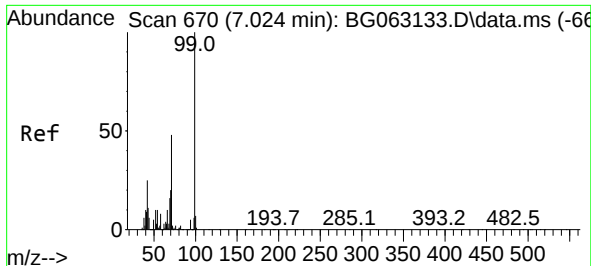
Tgt Ion:112 Resp: 1022053
Ion Ratio Lower Upper
112 100
64 72.6 59.4 89.0
63 45.2 35.8 53.6



#6
Aniline
Concen: 10.541 ng
RT: 7.178 min Scan# 696
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 93 Resp: 109858
Ion Ratio Lower Upper
93 100
66 44.3 37.8 56.8
65 23.0 16.1 24.1



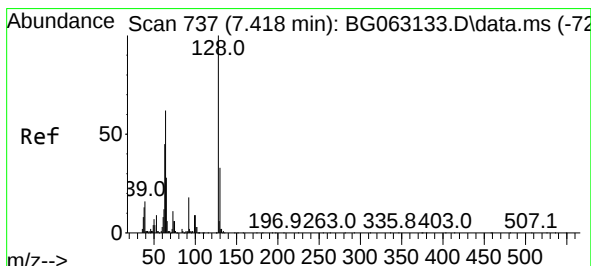
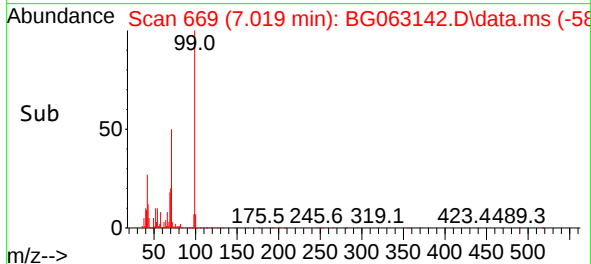
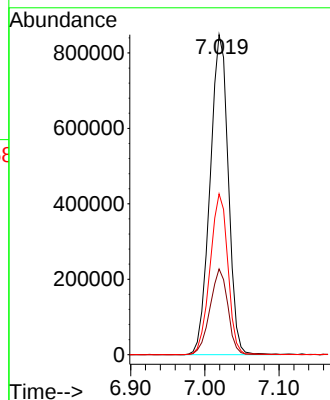
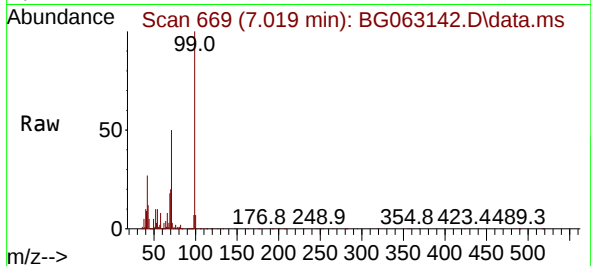


#7
Phenol-d6
Concen: 124.981 ng
RT: 7.019 min Scan# 609
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 99 Resp: 1448414

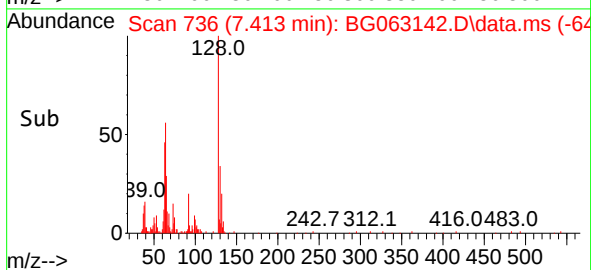
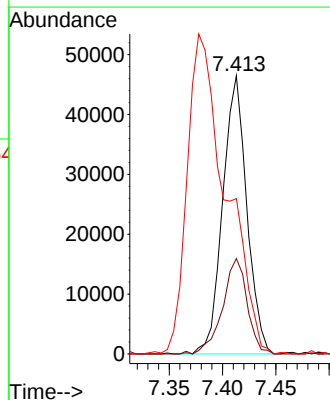
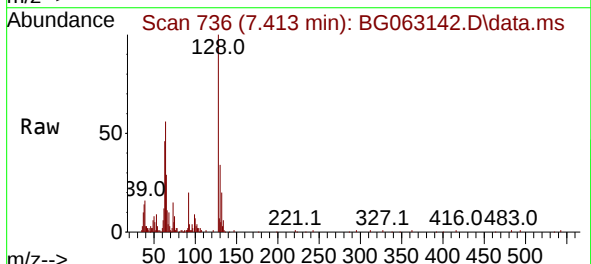
Ion	Ratio	Lower	Upper
99	100		
42	26.8	20.0	30.0
71	50.2	38.2	57.4

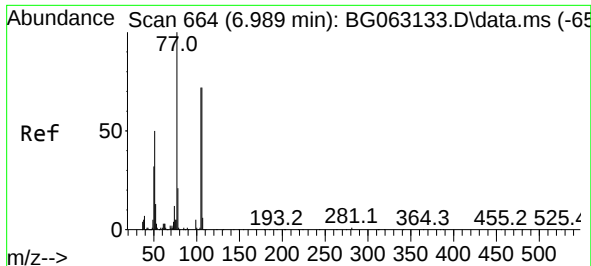


#8
2-Chlorophenol
Concen: 8.871 ng
RT: 7.413 min Scan# 736
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 128 Resp: 72857

Ion	Ratio	Lower	Upper
128	100		
130	34.3	13.3	53.3
64	55.8	41.8	81.8

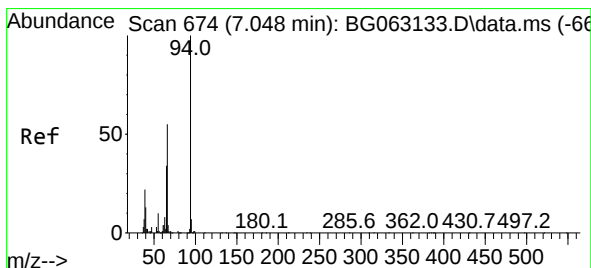
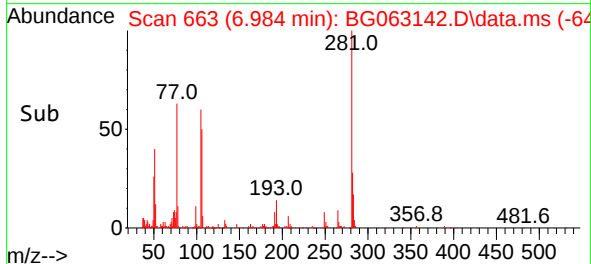
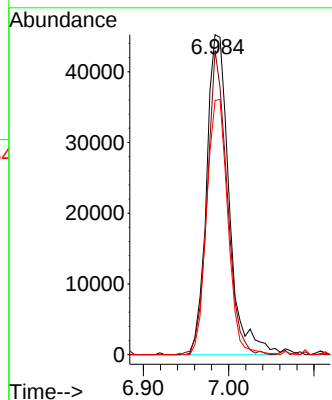
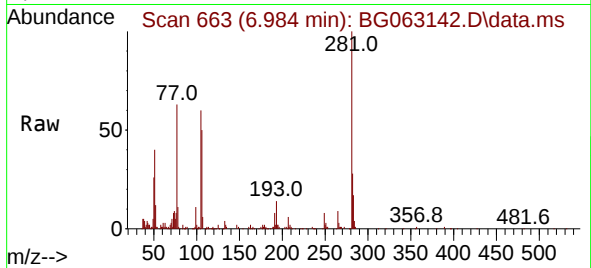




#9
Benzaldehyde
Concen: 11.533 ng
RT: 6.984 min Scan# 664
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

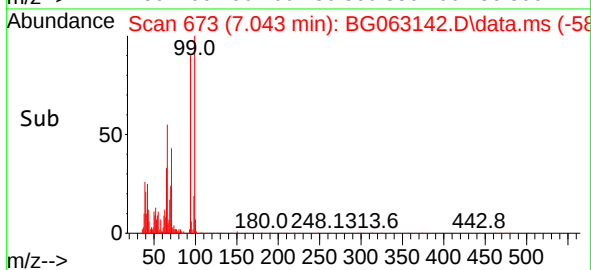
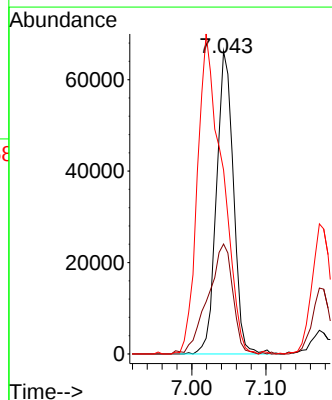
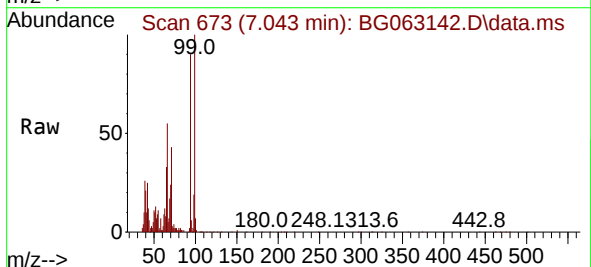
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

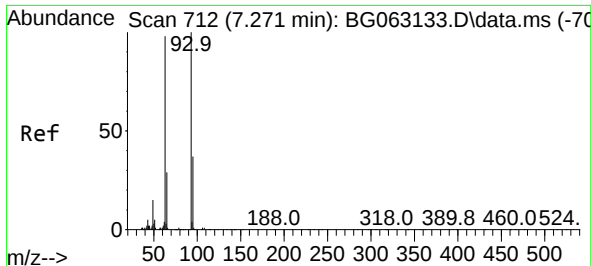
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Ion Ratio Lower Upper
77 100
105 95.0 52.2 92.2#
106 79.5 52.2 92.2



#10
Phenol
Concen: 8.473 ng
RT: 7.043 min Scan# 673
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 94 Resp: 105189
Ion Ratio Lower Upper
94 100
65 36.3 14.2 54.2
66 60.7 36.2 76.2

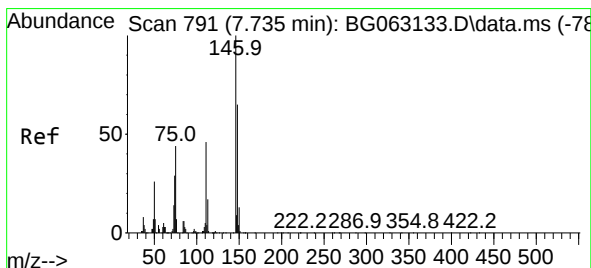
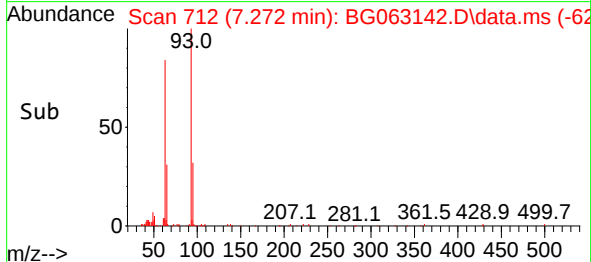
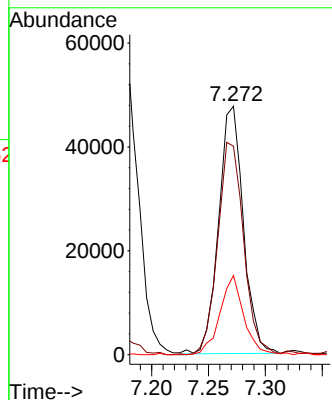
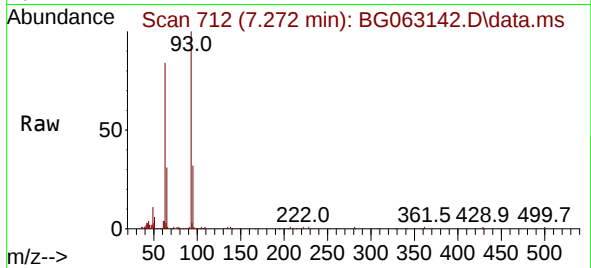




#11
bis(2-Chloroethyl)ether
Concen: 8.592 ng
RT: 7.272 min Scan# 712
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

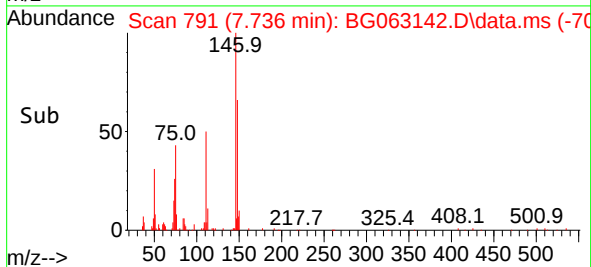
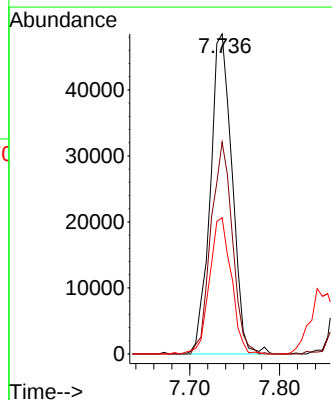
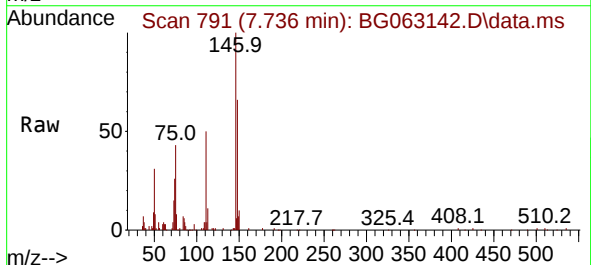
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

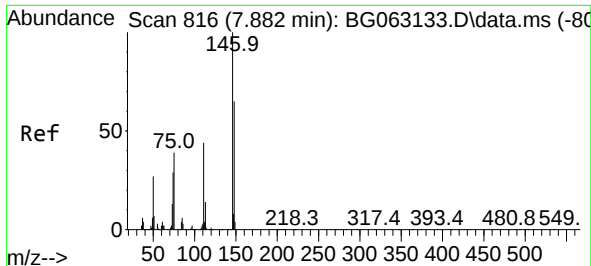
Tgt Ion: 93 Resp: 71946
Ion Ratio Lower Upper
93 100
63 83.9 77.5 117.5
95 31.9 16.5 56.5



#12
1,3-Dichlorobenzene
Concen: 8.202 ng
RT: 7.736 min Scan# 791
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:146 Resp: 81733
Ion Ratio Lower Upper
146 100
148 66.2 51.7 77.5
75 42.6 35.7 53.5

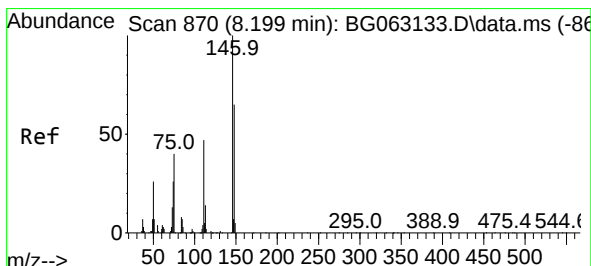
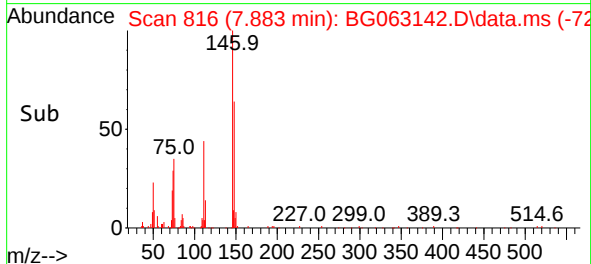
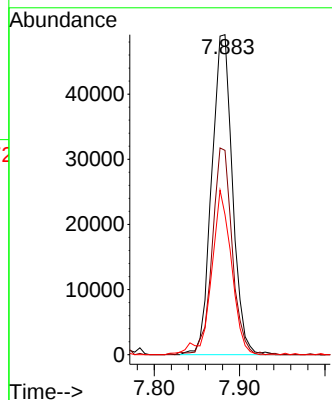
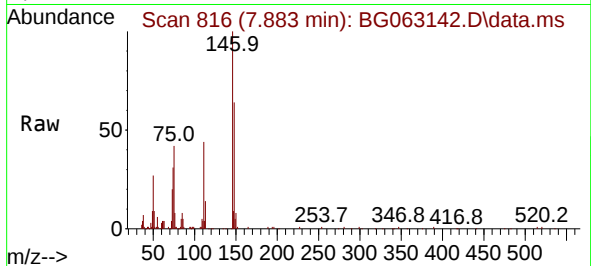




#13
1,4-Dichlorobenzene
Concen: 8.171 ng
RT: 7.883 min Scan# 816
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

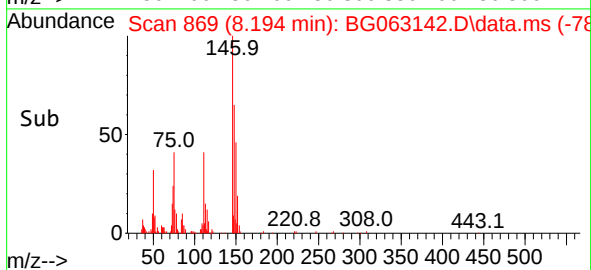
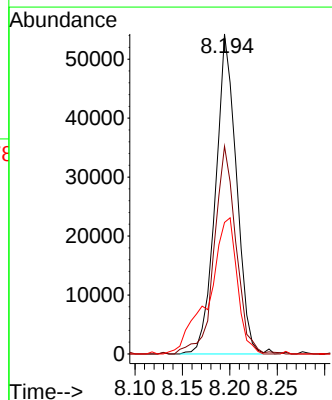
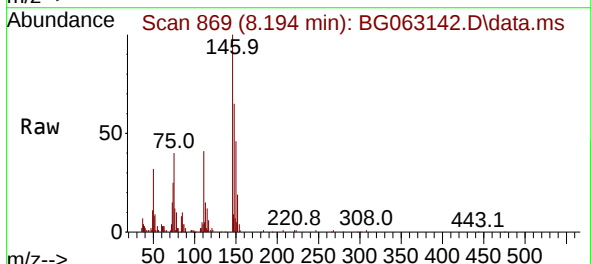
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

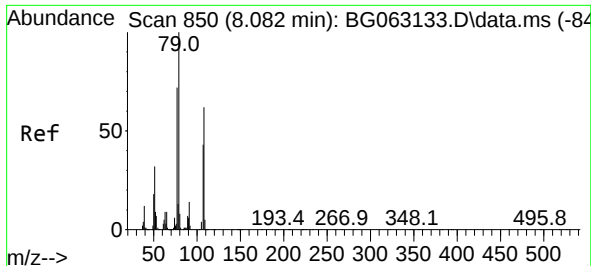
Tgt Ion:146 Resp: 83002
Ion Ratio Lower Upper
146 100
148 63.9 52.3 78.5
111 43.8 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 8.525 ng
RT: 8.194 min Scan# 869
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:146 Resp: 83469
Ion Ratio Lower Upper
146 100
148 64.9 52.3 78.5
111 41.1 38.5 57.7

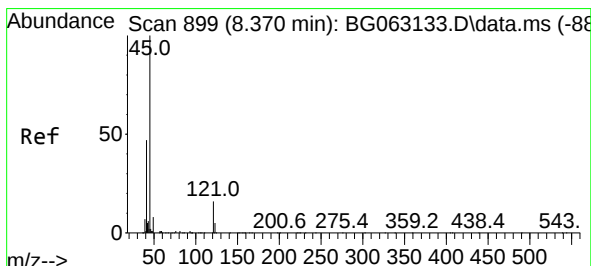
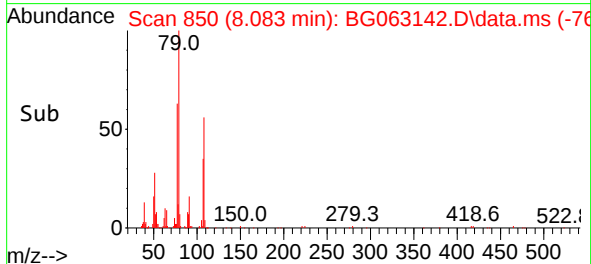
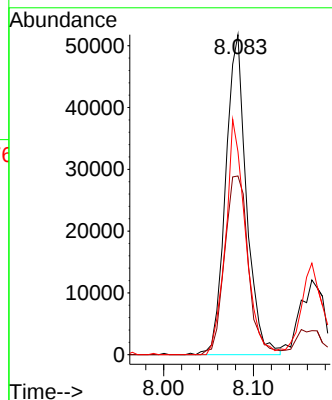
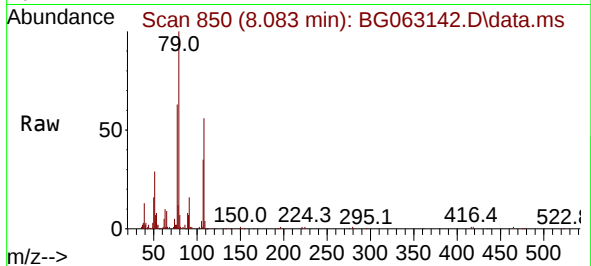




#15
Benzyl Alcohol
Concen: 8.948 ng
RT: 8.083 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

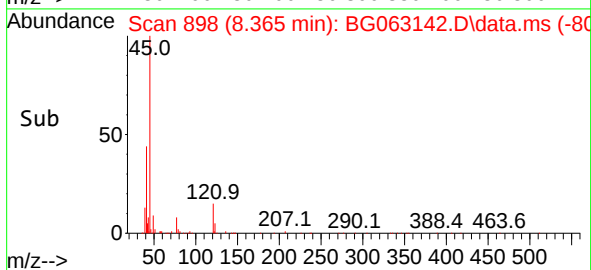
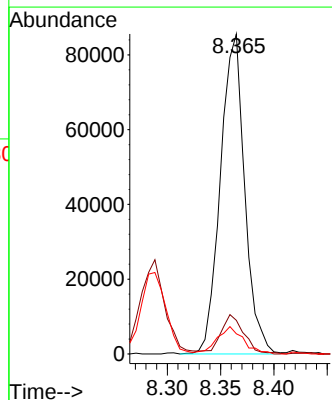
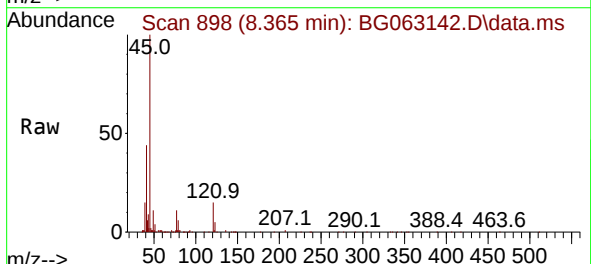
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

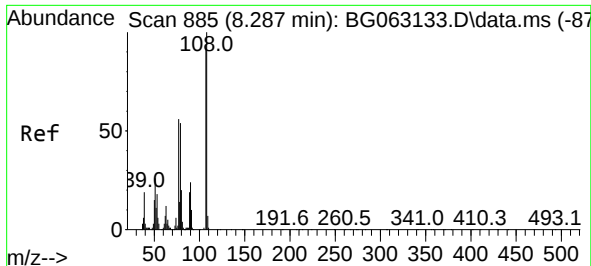
Tgt Ion: 79 Resp: 83329
Ion Ratio Lower Upper
79 100
108 55.8 49.5 74.3
77 63.5 57.6 86.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.915 ng
RT: 8.365 min Scan# 898
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 45 Resp: 135409
Ion Ratio Lower Upper
45 100
77 10.5 0.0 32.4
79 6.3 0.0 29.7

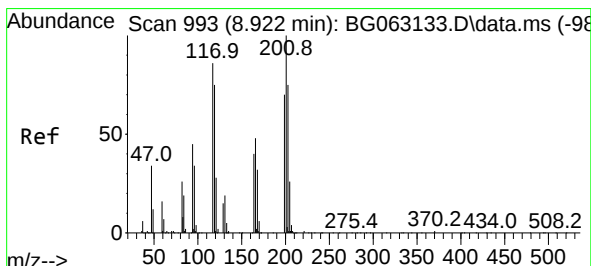
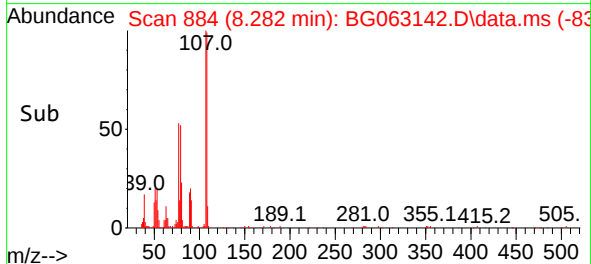
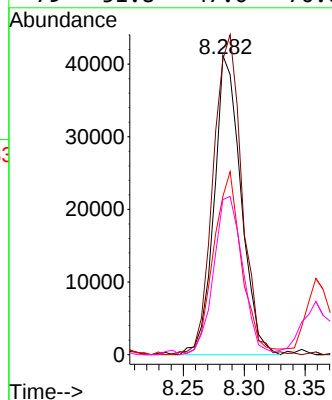
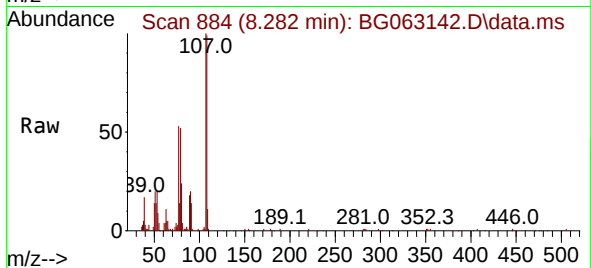




#17
2-Methylphenol
Concen: 7.988 ng
RT: 8.282 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

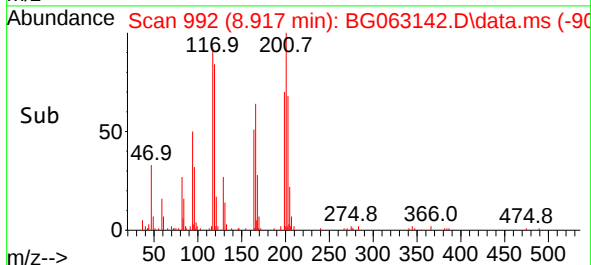
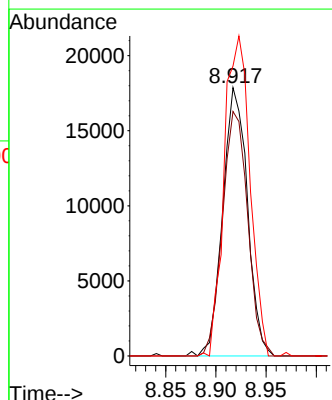
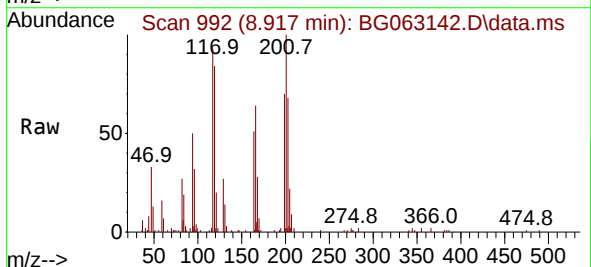
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

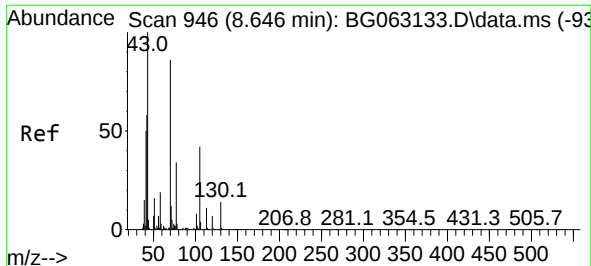
Tgt Ion:107 Resp: 63085
Ion Ratio Lower Upper
107 100
108 98.8 87.1 130.7
77 53.0 48.9 73.3
79 51.8 47.0 70.6



#18
Hexachloroethane
Concen: 8.419 ng
RT: 8.917 min Scan# 992
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:117 Resp: 30605
Ion Ratio Lower Upper
117 100
119 93.6 69.7 104.5
201 108.1 92.6 138.8

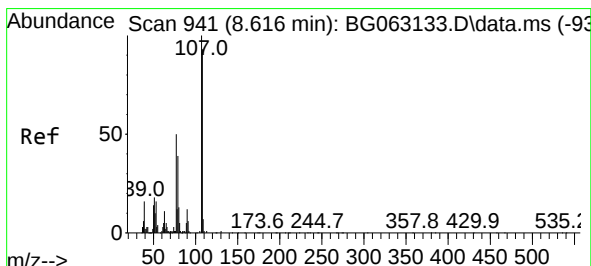
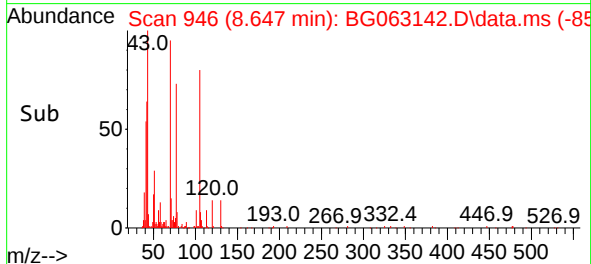
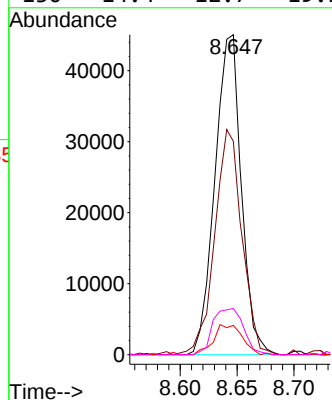
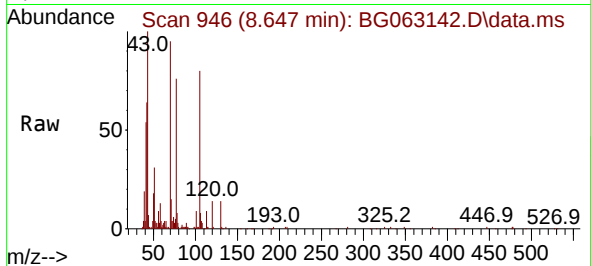




#19
n-Nitroso-di-n-propylamine
Concen: 9.017 ng
RT: 8.647 min Scan# 946
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

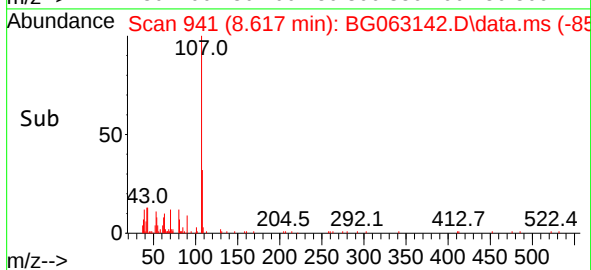
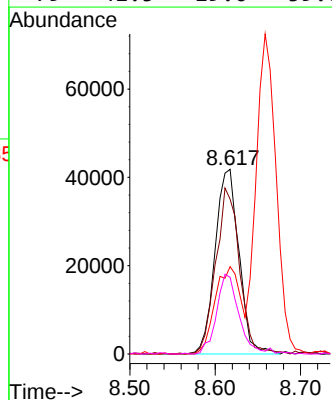
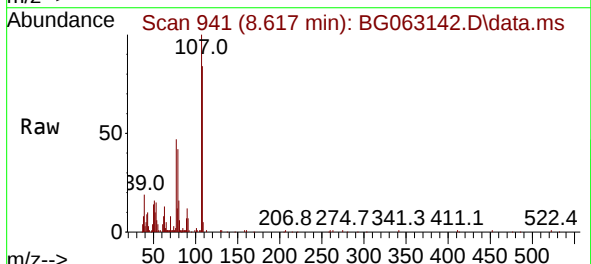
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

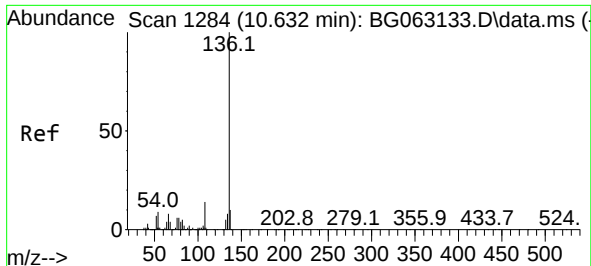
Tgt Ion: 70 Resp: 72772
Ion Ratio Lower Upper
70 100
42 66.7 54.2 81.2
101 9.2 7.7 11.5
130 14.4 12.7 19.1



#20
3+4-Methylphenols
Concen: 7.733 ng
RT: 8.617 min Scan# 941
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 107 Resp: 81450
Ion Ratio Lower Upper
107 100
108 83.9 73.1 113.1
77 47.3 30.2 70.2
79 41.5 19.0 59.0

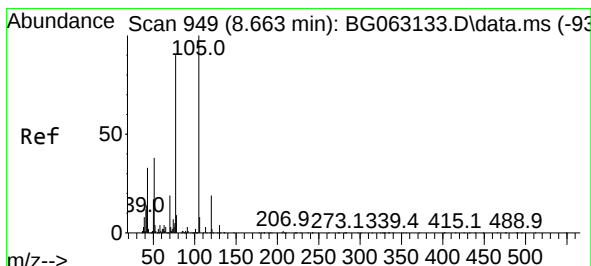
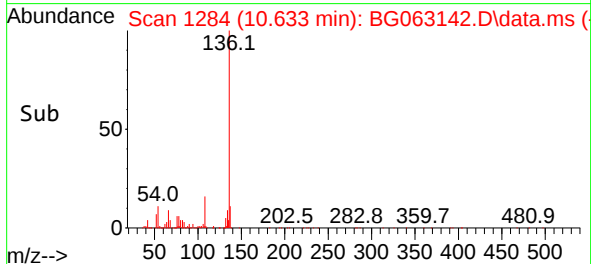
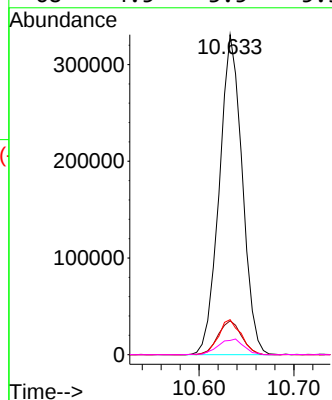
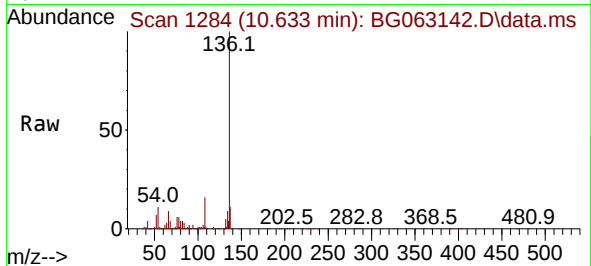




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.633 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

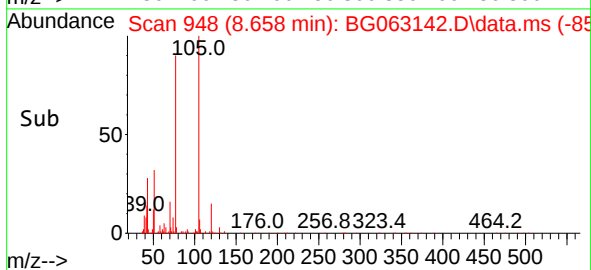
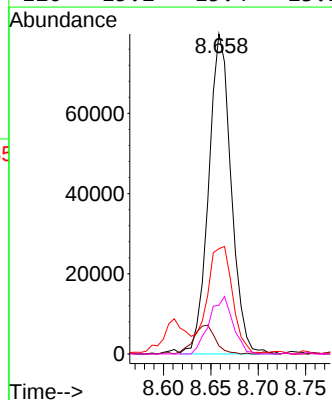
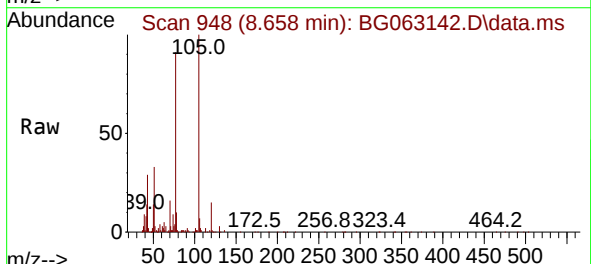
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

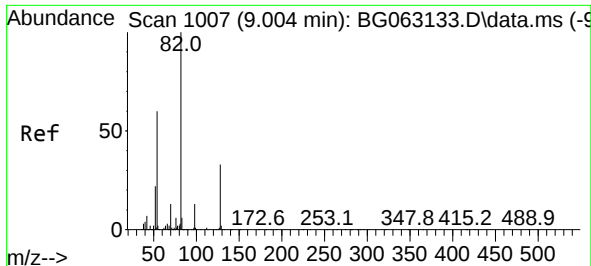
Tgt Ion:	136	Resp:	555826
Ion	Ratio	Lower	Upper
136	100		
137	10.6	7.8	11.6
54	10.9	7.3	10.9#
68	4.5	3.5	5.3



#22
Acetophenone
Concen: 8.867 ng
RT: 8.658 min Scan# 948
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:	105	Resp:	132067
Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.3	3.5
51	32.9	30.5	45.7
120	15.2	15.4	23.2#

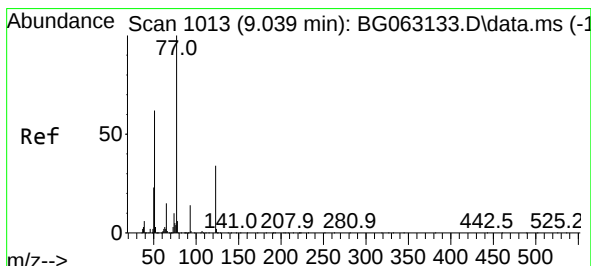
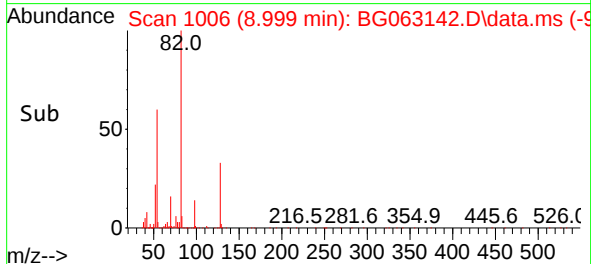
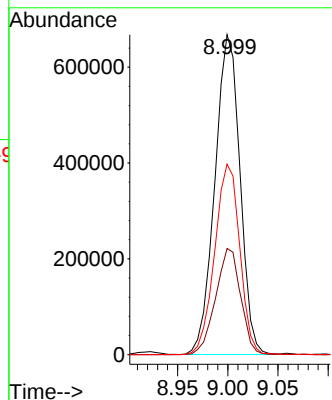
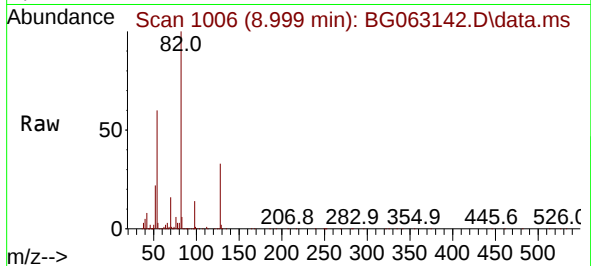




#23
Nitrobenzene-d5
Concen: 90.857 ng
RT: 8.999 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

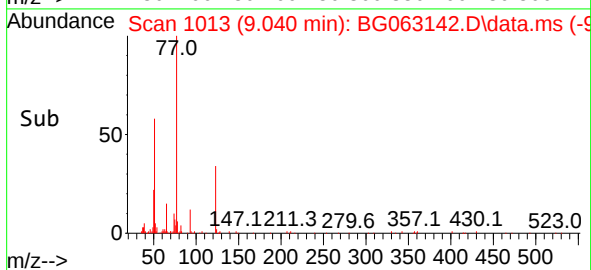
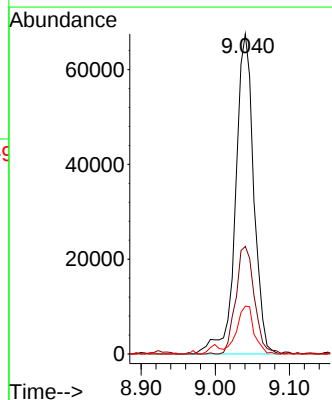
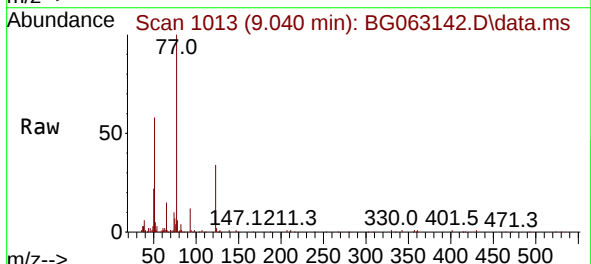
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

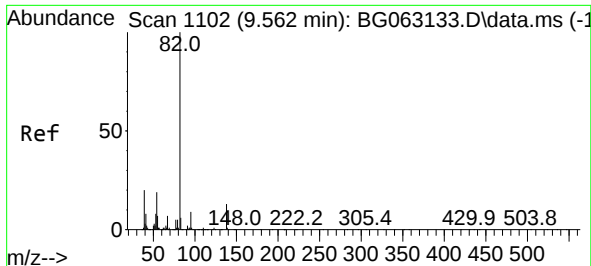
Tgt Ion: 82 Resp: 1161136
Ion Ratio Lower Upper
82 100
128 33.2 26.6 39.8
54 59.6 47.8 71.8



#24
Nitrobenzene
Concen: 8.309 ng
RT: 9.040 min Scan# 1013
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 77 Resp: 114827
Ion Ratio Lower Upper
77 100
123 33.6 26.9 40.3
65 14.9 12.3 18.5





#25

Isophorone

Concen: 9.040 ng

RT: 9.557 min Scan# 1101

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

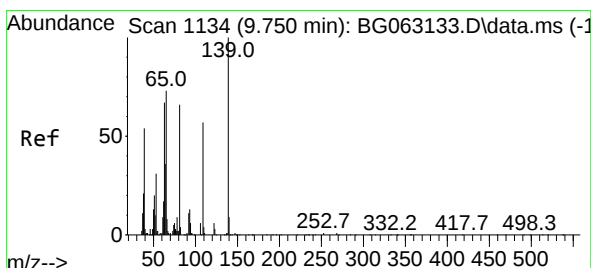
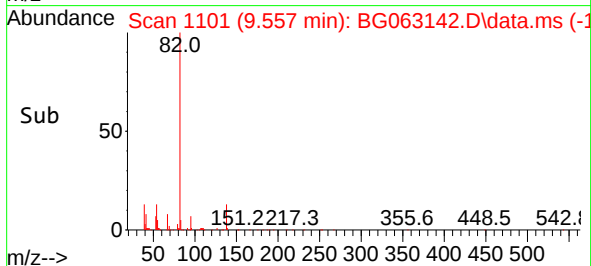
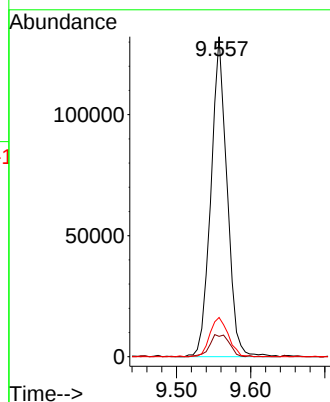
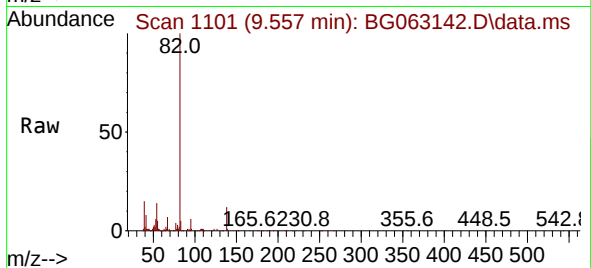
Tgt Ion: 82 Resp: 199842

Ion Ratio Lower Upper

82 100

95 6.3 7.4 11.0#

138 12.3 10.3 15.5



#26

2-Nitrophenol

Concen: 8.091 ng

RT: 9.745 min Scan# 1133

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

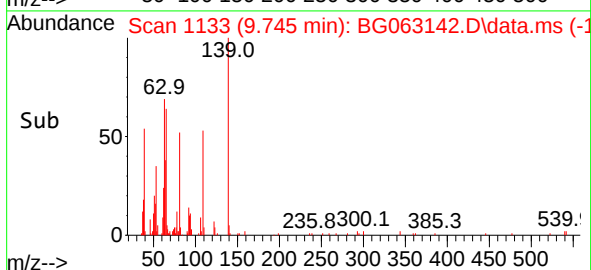
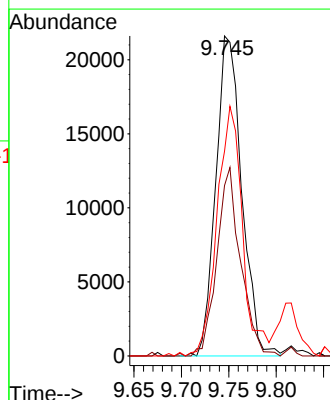
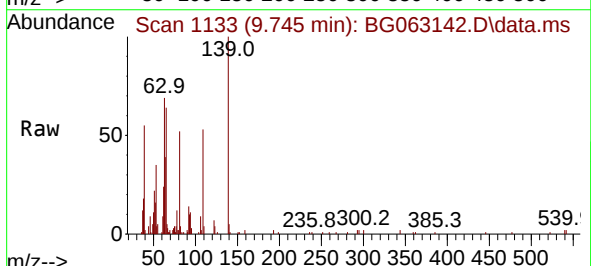
Tgt Ion: 139 Resp: 41122

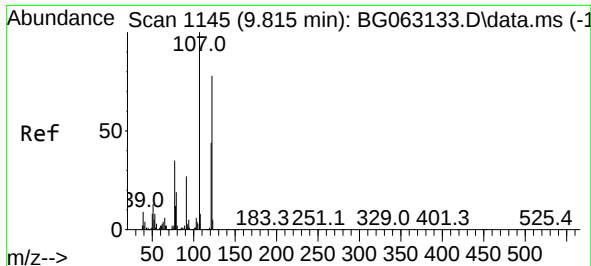
Ion Ratio Lower Upper

139 100

109 53.2 45.4 68.0

65 64.0 58.4 87.6

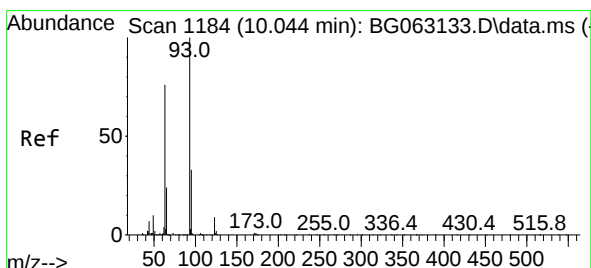
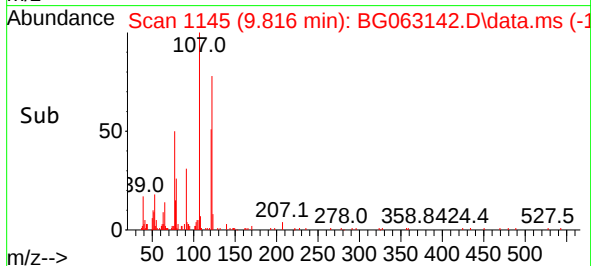
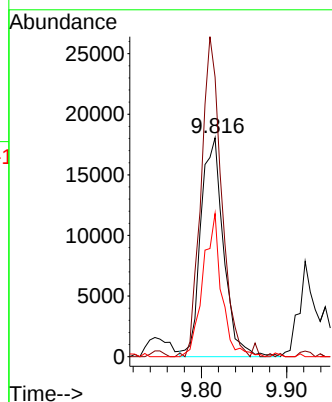
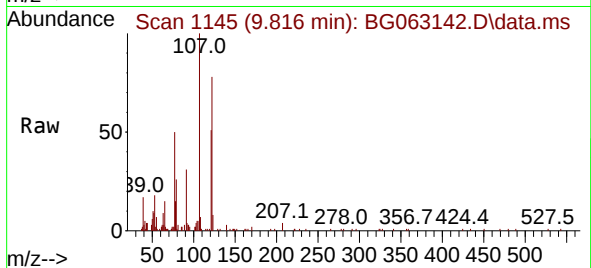




#27
2,4-Dimethylphenol
Concen: 5.338 ng
RT: 9.816 min Scan# 1145
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

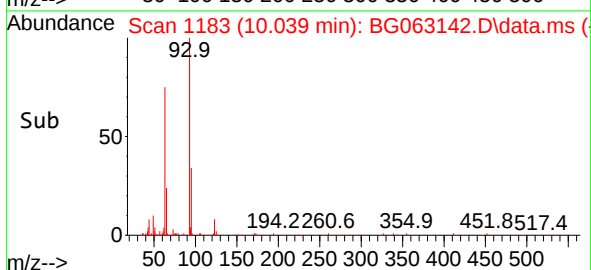
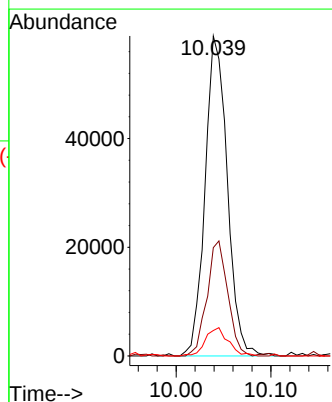
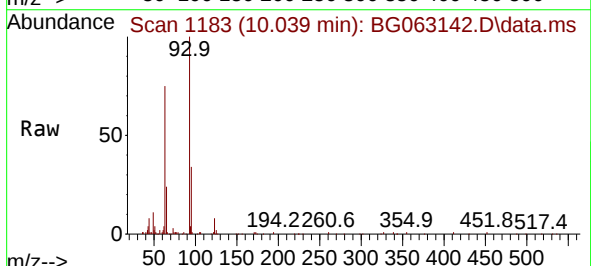
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

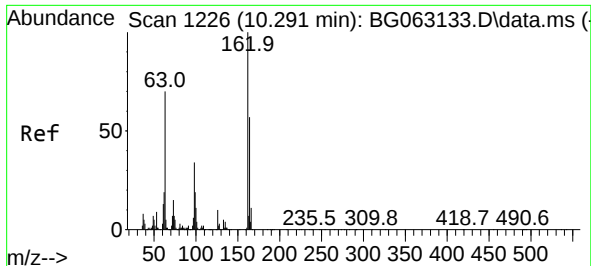
Tgt Ion:122 Resp: 33355
Ion Ratio Lower Upper
122 100
107 127.7 101.8 152.6
121 65.4 45.2 67.8



#28
bis(2-Chloroethoxy)methane
Concen: 8.265 ng
RT: 10.039 min Scan# 1183
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 93 Resp: 95797
Ion Ratio Lower Upper
93 100
95 33.8 26.1 39.1
123 8.0 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 7.691 ng

RT: 10.286 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

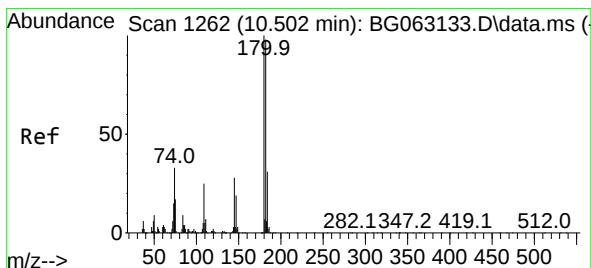
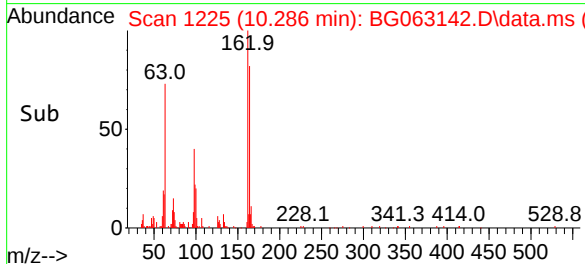
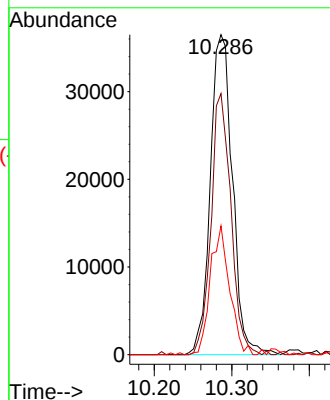
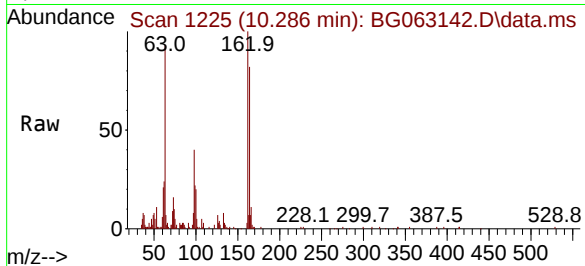
Tgt Ion:162 Resp: 72576

Ion Ratio Lower Upper

162 100

164 81.6 37.2 77.2#

98 40.2 14.0 54.0



#30

1,2,4-Trichlorobenzene

Concen: 7.977 ng

RT: 10.498 min Scan# 1261

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

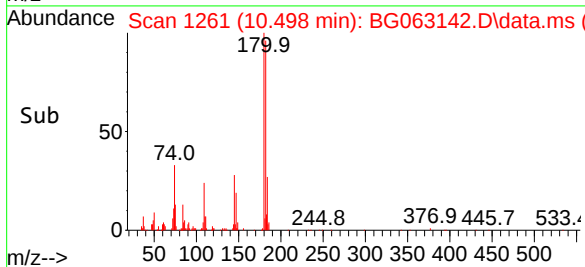
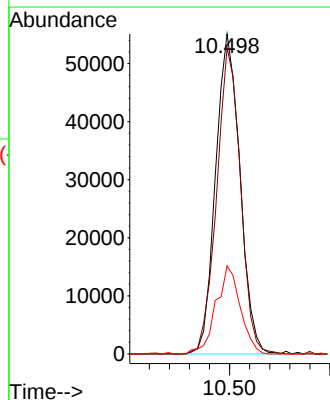
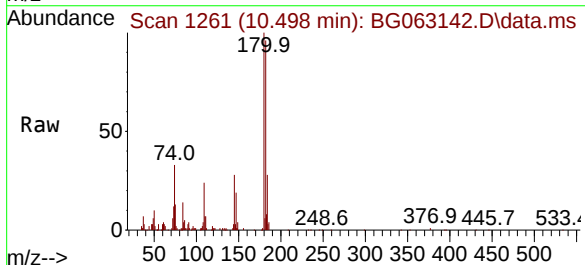
Tgt Ion:180 Resp: 92592

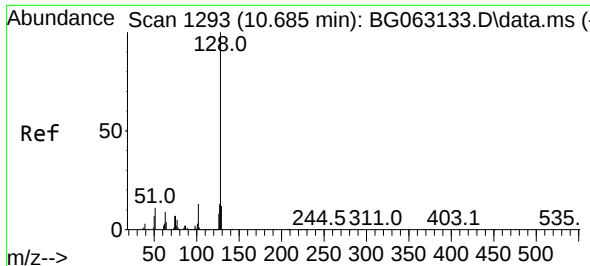
Ion Ratio Lower Upper

180 100

182 95.7 78.5 117.7

145 27.6 22.6 34.0

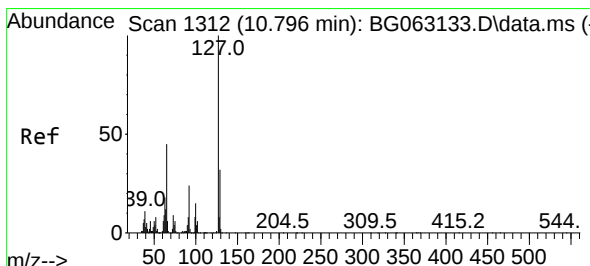
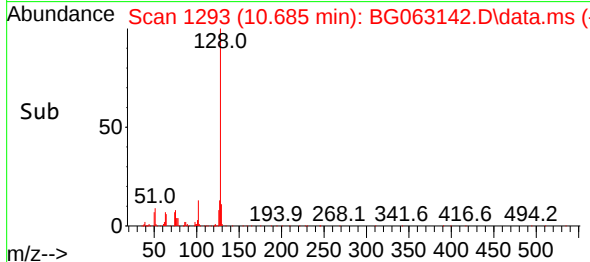
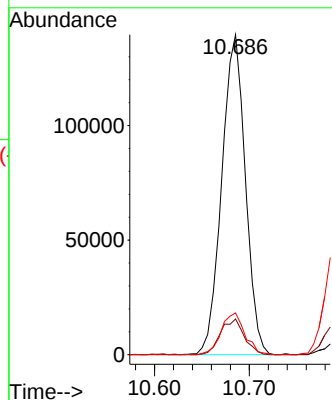
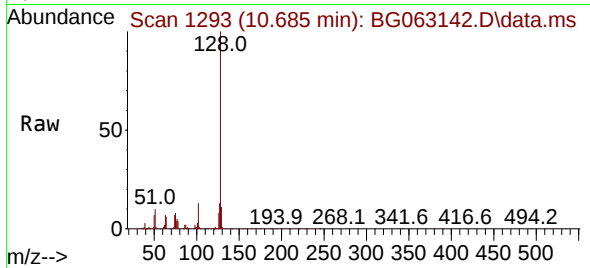




#31
Naphthalene
Concen: 8.239 ng
RT: 10.685 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

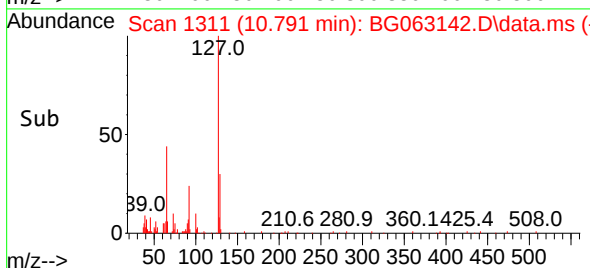
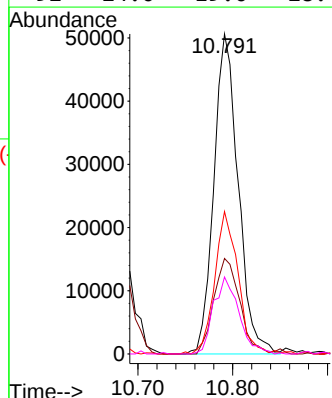
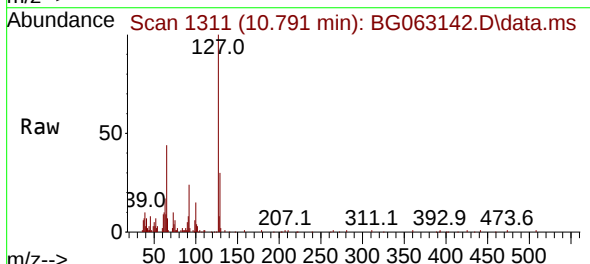
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

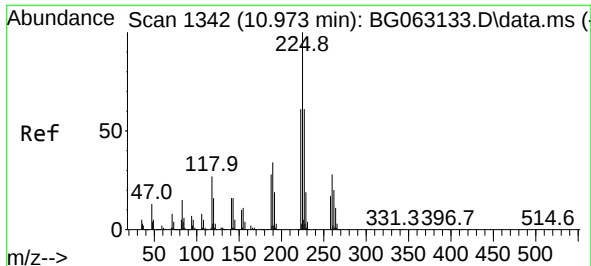
Tgt Ion:128 Resp: 241562
Ion Ratio Lower Upper
128 100
129 11.2 9.5 14.3
127 13.0 10.7 16.1



#33
4-Chloroaniline
Concen: 9.131 ng
RT: 10.791 min Scan# 1311
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:127 Resp: 90352
Ion Ratio Lower Upper
127 100
129 29.9 25.6 38.4
65 44.5 36.4 54.6
92 24.0 19.0 28.4

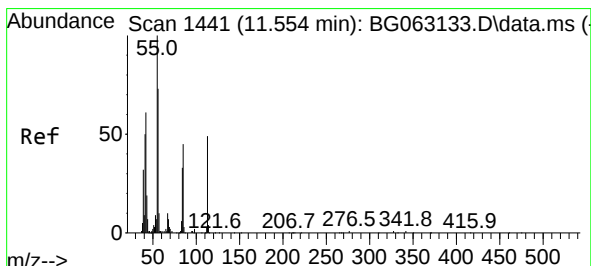
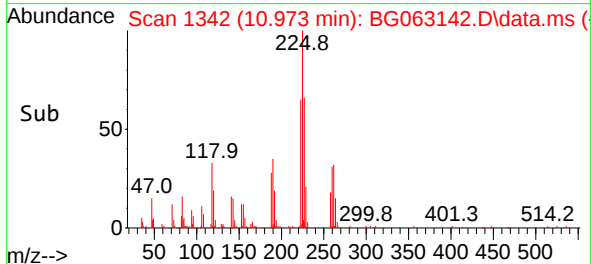
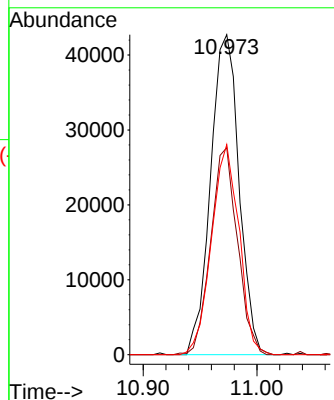
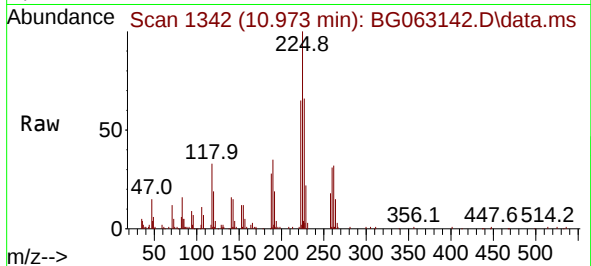




#34
Hexachlorobutadiene
Concen: 7.787 ng
RT: 10.973 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

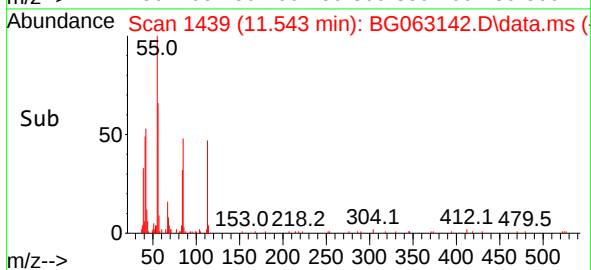
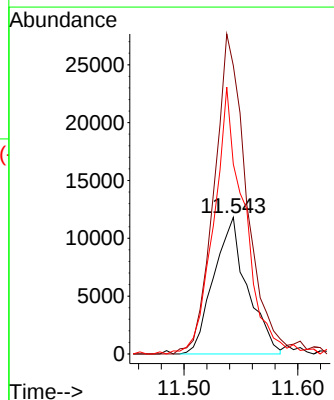
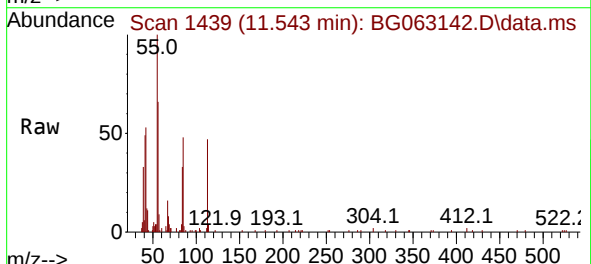
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

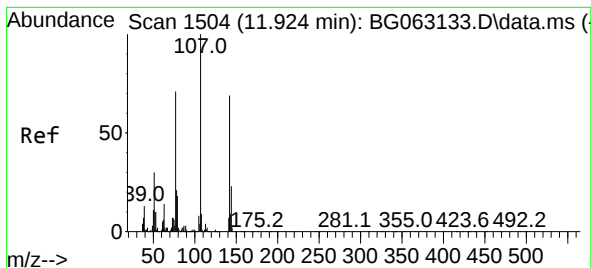
Tgt Ion:225 Resp: 74389
Ion Ratio Lower Upper
225 100
223 64.7 46.2 69.4
227 68.4 46.2 69.4



#35
Caprolactam
Concen: 8.027 ng
RT: 11.543 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:113 Resp: 24190
Ion Ratio Lower Upper
113 100
55 211.0 187.0 227.0
56 138.9 130.9 170.9

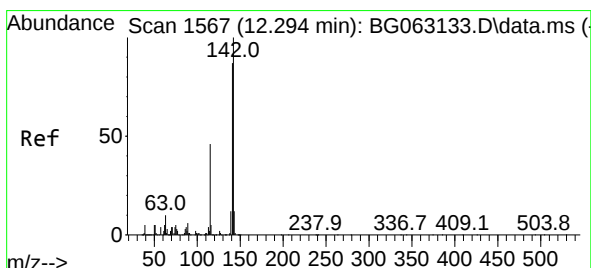
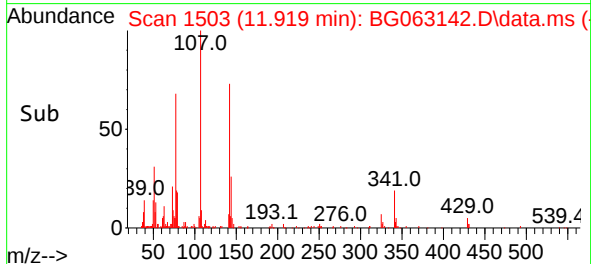
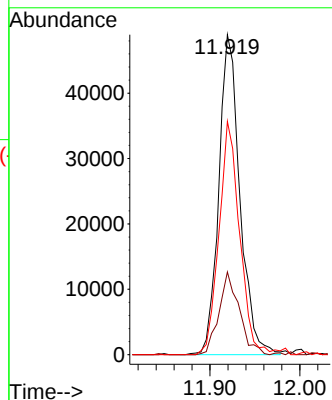
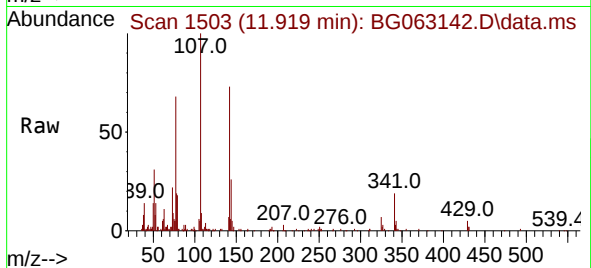




#36
4-Chloro-3-methylphenol
Concen: 7.346 ng
RT: 11.919 min Scan# 1503
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

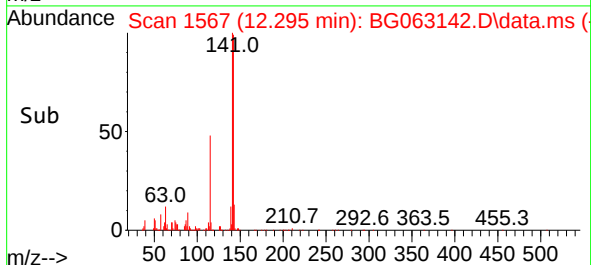
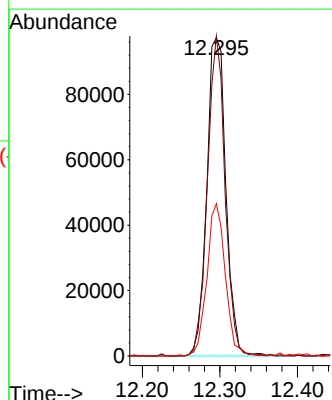
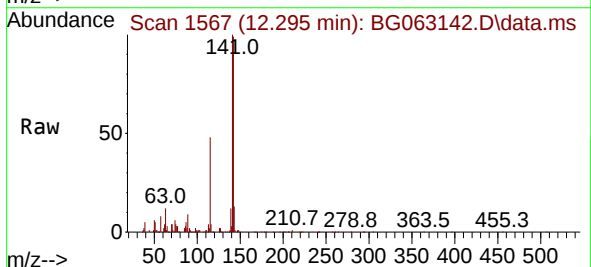
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

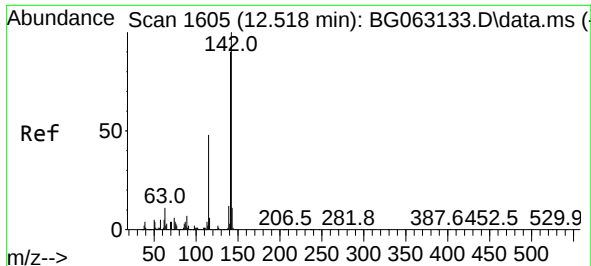
Tgt Ion:107 Resp: 79868
Ion Ratio Lower Upper
107 100
144 25.9 18.5 27.7
142 72.9 55.0 82.4



#37
2-Methylnaphthalene
Concen: 8.008 ng
RT: 12.295 min Scan# 1567
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:142 Resp: 166567
Ion Ratio Lower Upper
142 100
141 100.5 69.2 103.8
115 47.8 36.6 54.8

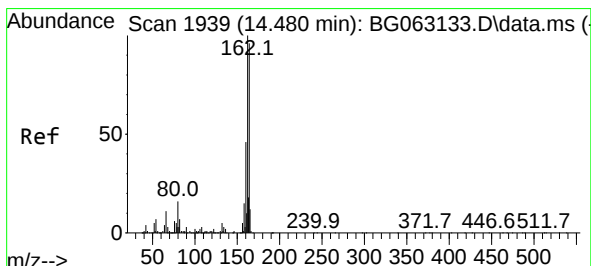
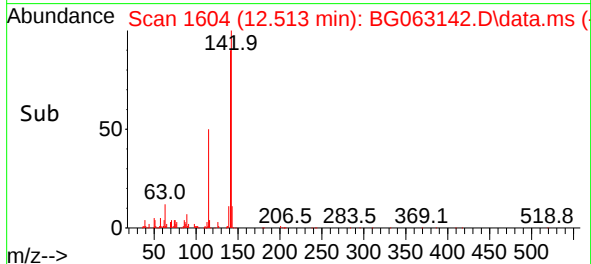
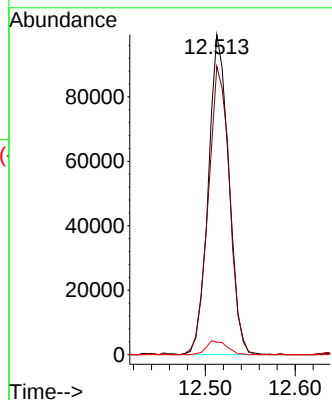
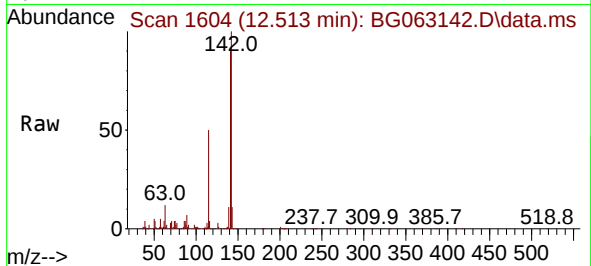




#38
1-Methylnaphthalene
Concen: 7.687 ng
RT: 12.513 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

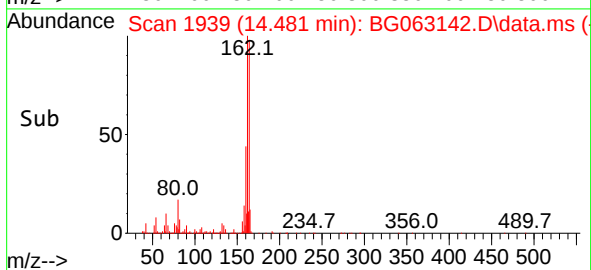
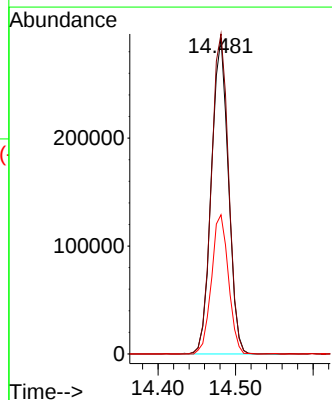
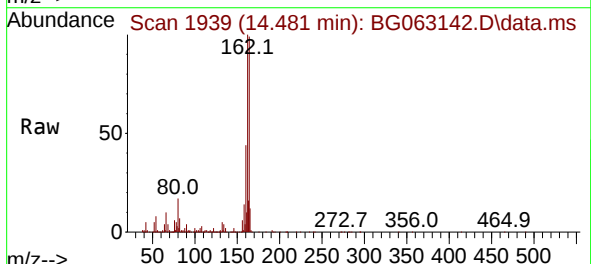
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

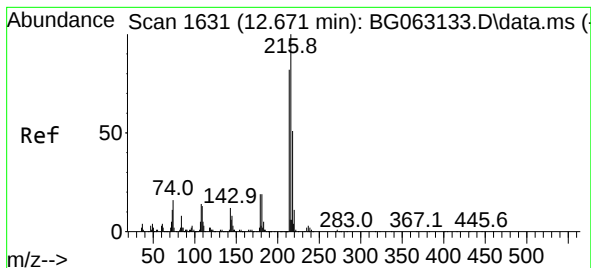
Tgt Ion:142 Resp: 157372
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4
116 3.9 4.5 6.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:164 Resp: 443782
Ion Ratio Lower Upper
164 100
162 101.2 83.4 125.0
160 44.0 38.0 57.0





#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.082 ng

RT: 12.671 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:216 Resp: 128889

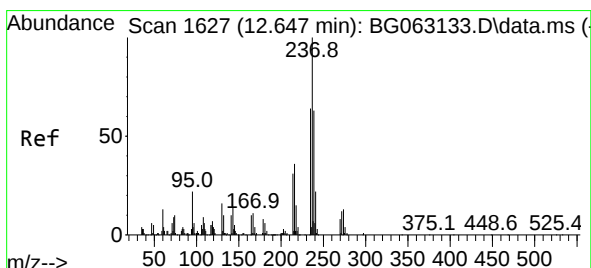
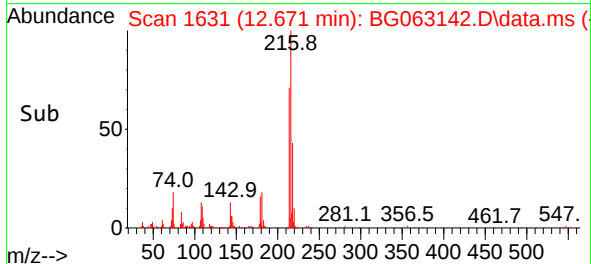
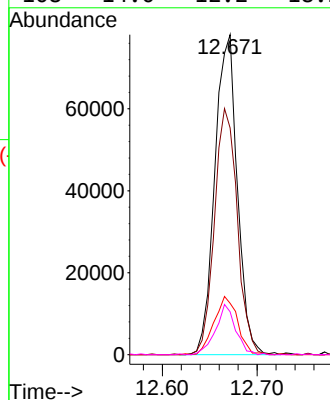
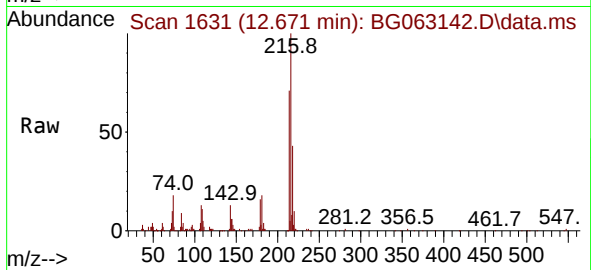
Ion Ratio Lower Upper

216 100

214 77.8 63.8 95.6

179 19.1 15.7 23.5

108 14.0 12.2 18.2



#41

Hexachlorocyclopentadiene

Concen: 2.771 ng

RT: 12.648 min Scan# 1627

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

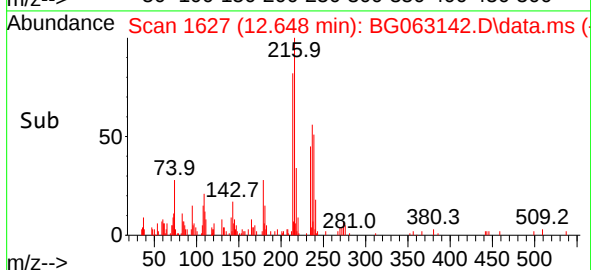
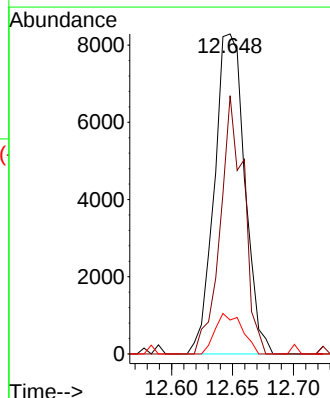
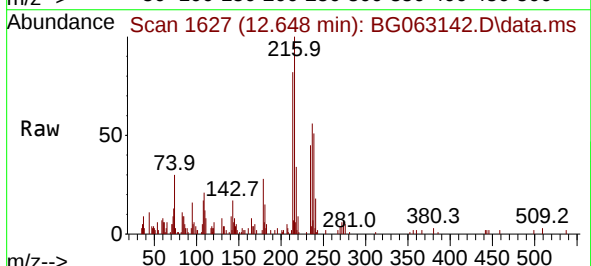
Tgt Ion:237 Resp: 14360

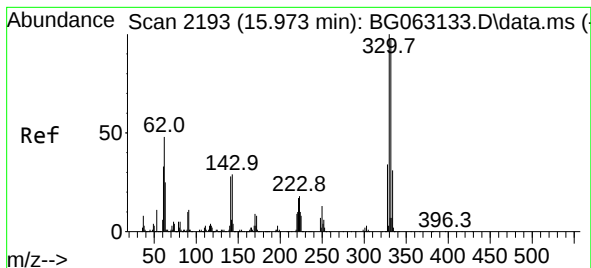
Ion Ratio Lower Upper

237 100

235 80.7 43.8 83.8

272 10.6 0.0 32.4





#42

2,4,6-Tribromophenol

Concen: 121.029 ng

RT: 15.973 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

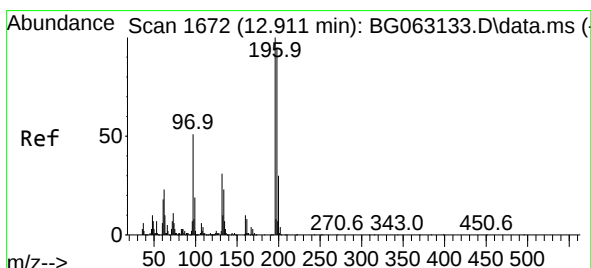
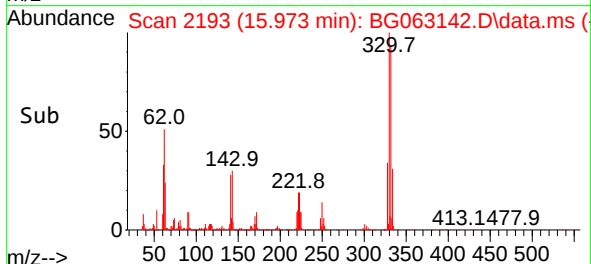
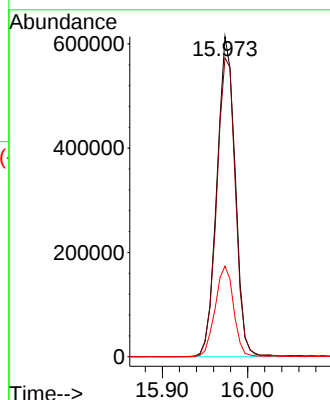
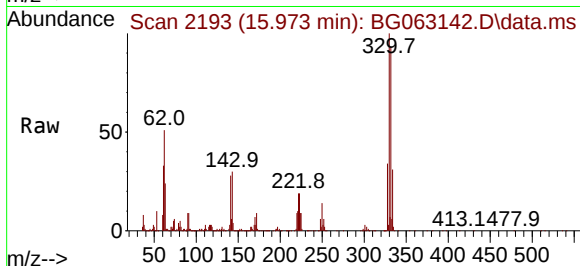
Tgt Ion:330 Resp: 912347

Ion Ratio Lower Upper

330 100

332 96.4 78.6 117.8

141 28.6 22.6 34.0



#43

2,4,6-Trichlorophenol

Concen: 8.086 ng

RT: 12.983 min Scan# 1684

Delta R.T. 0.071 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

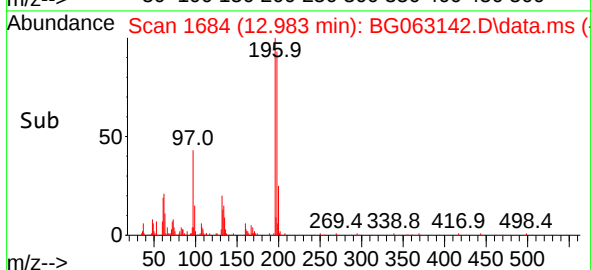
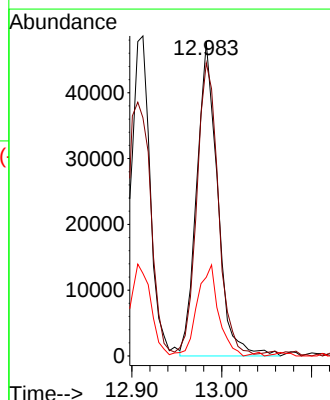
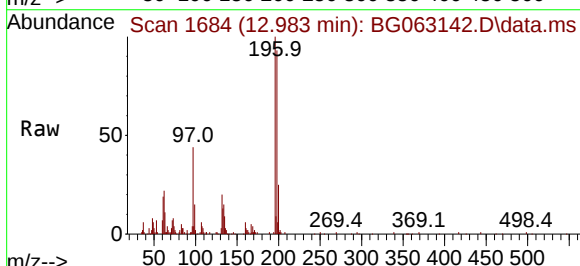
Tgt Ion:196 Resp: 77204

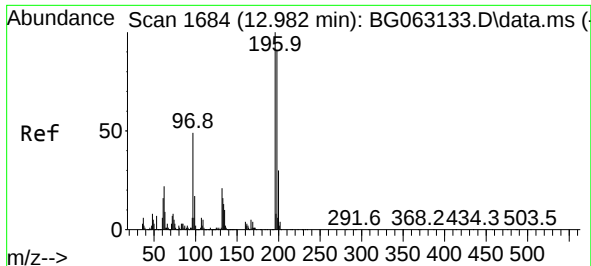
Ion Ratio Lower Upper

196 100

198 93.4 76.2 114.2

200 25.1 23.8 35.8

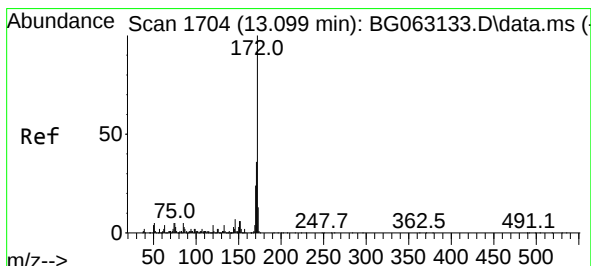
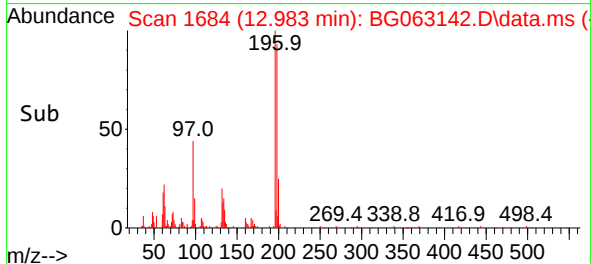
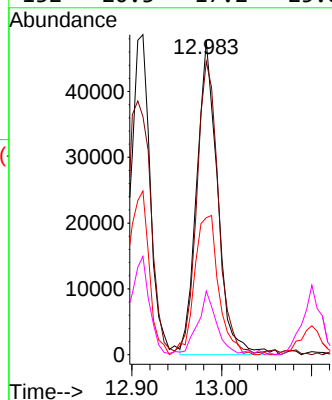
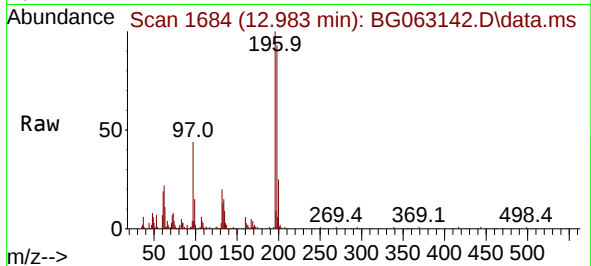




#44
2,4,5-Trichlorophenol
Concen: 7.355 ng
RT: 12.983 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

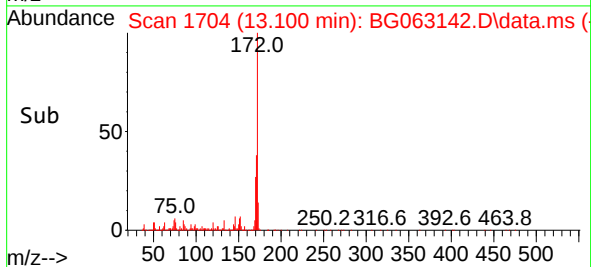
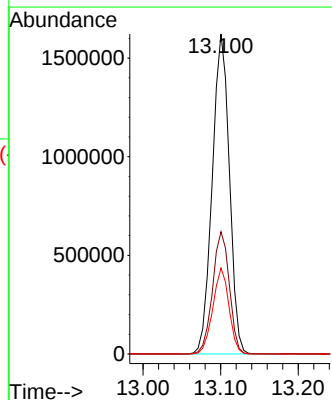
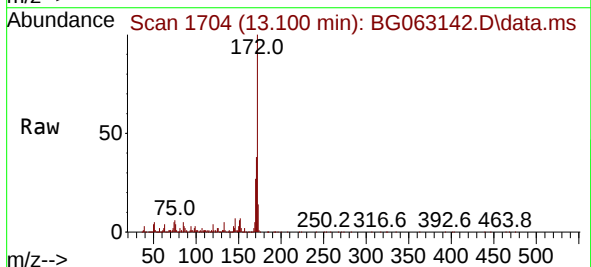
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

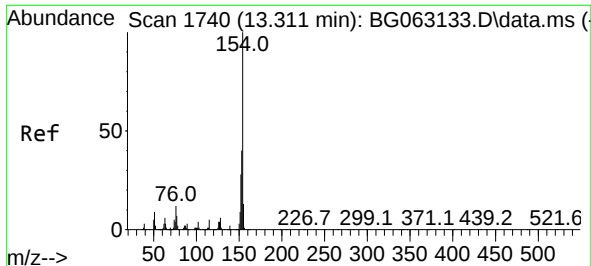
Tgt Ion:	196	Resp:	77204
Ion Ratio	Lower	Upper	
196	100		
198	93.4	73.2	109.8
97	43.7	39.1	58.7
132	20.3	17.2	25.8



#45
2-Fluorobiphenyl
Concen: 83.062 ng
RT: 13.100 min Scan# 1704
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:	172	Resp:	2488777
Ion Ratio	Lower	Upper	
172	100		
171	38.2	28.6	42.8
170	26.9	19.4	29.2

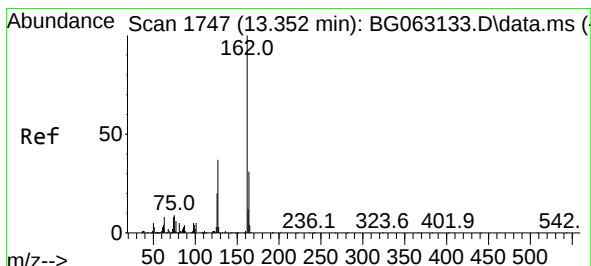
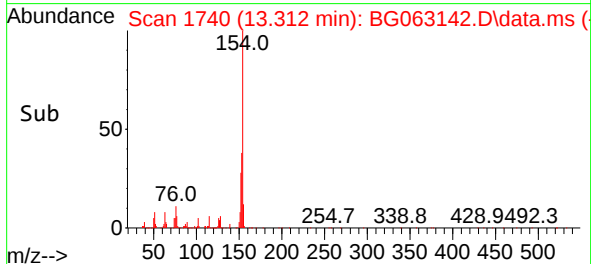
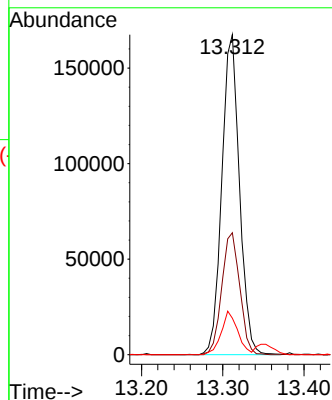
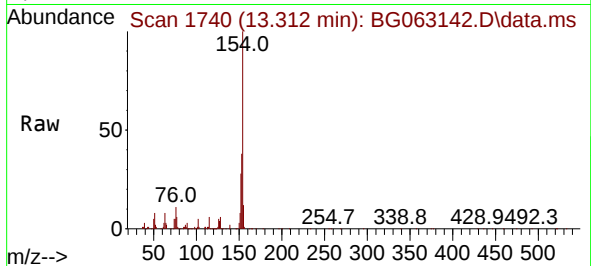




#46
1,1'-Biphenyl
Concen: 8.388 ng
RT: 13.312 min Scan# 1740
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

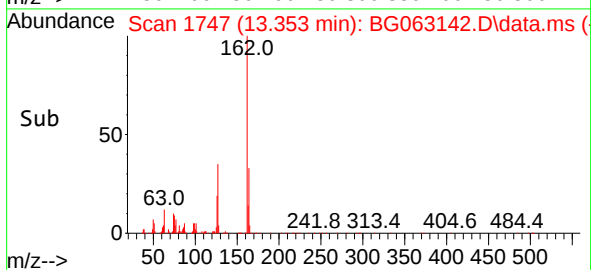
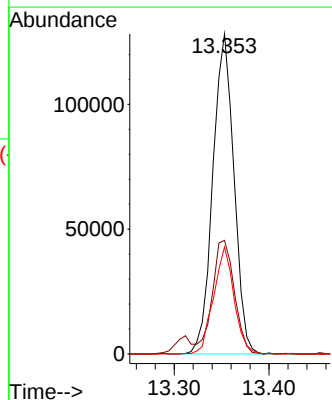
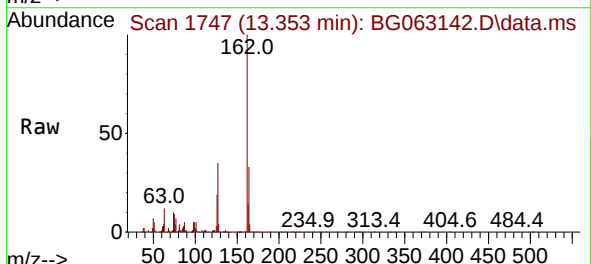
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

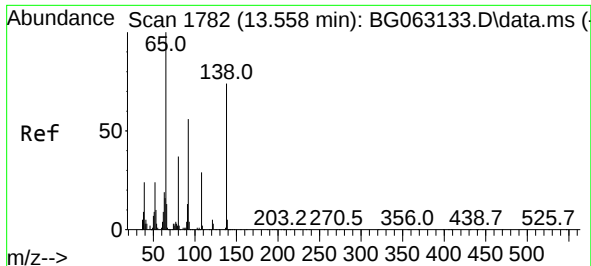
Tgt Ion:154 Resp: 252653
Ion Ratio Lower Upper
154 100
153 38.1 20.3 60.3
76 11.4 0.0 32.5



#47
2-Chloronaphthalene
Concen: 7.871 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:162 Resp: 198557
Ion Ratio Lower Upper
162 100
127 35.5 30.3 45.5
164 33.5 24.6 36.8

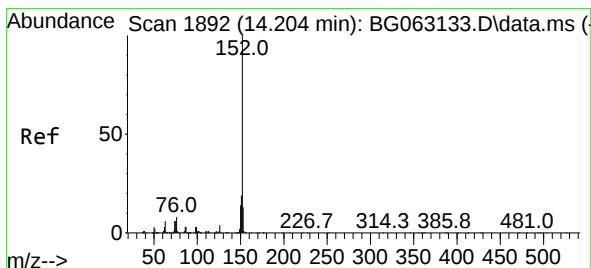
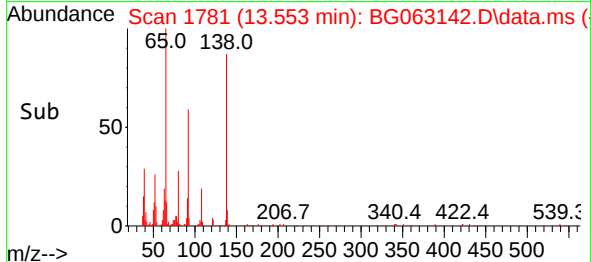
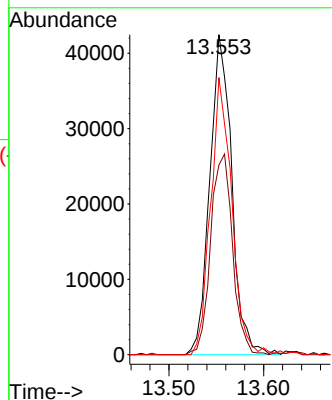
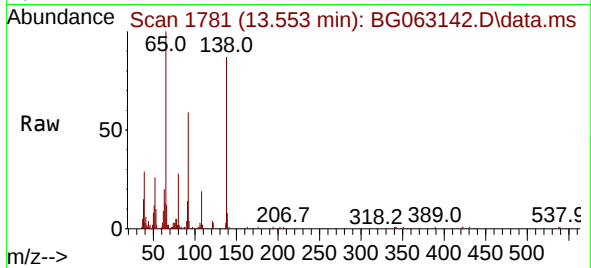




#48
2-Nitroaniline
Concen: 7.705 ng
RT: 13.553 min Scan# 1781
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

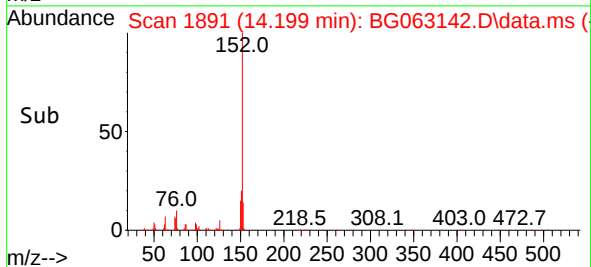
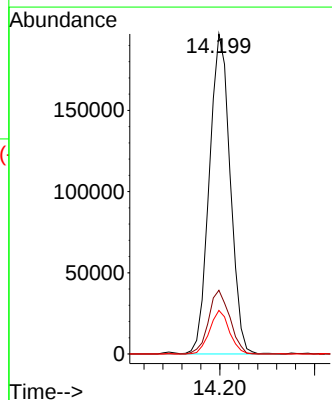
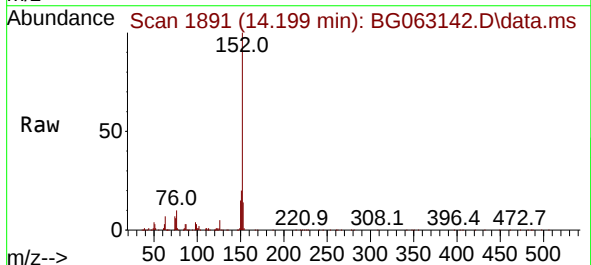
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

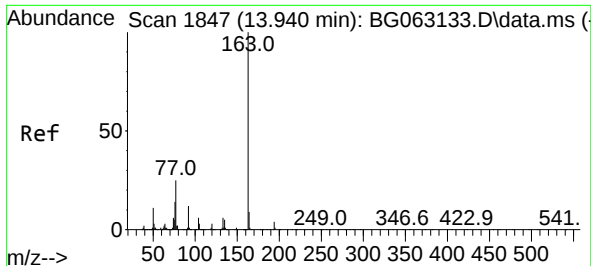
Tgt Ion: 65 Resp: 68217
Ion Ratio Lower Upper
65 100
92 59.2 44.6 66.8
138 86.6 59.0 88.4



#49
Acenaphthylene
Concen: 8.457 ng
RT: 14.199 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:152 Resp: 301180
Ion Ratio Lower Upper
152 100
151 19.9 15.0 22.4
153 13.6 10.1 15.1

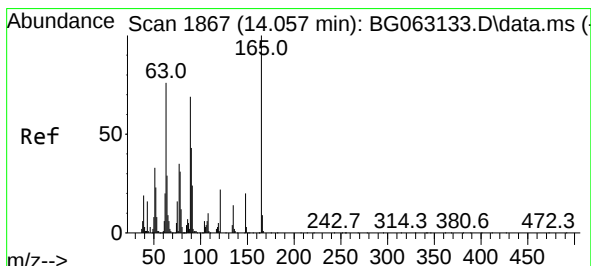
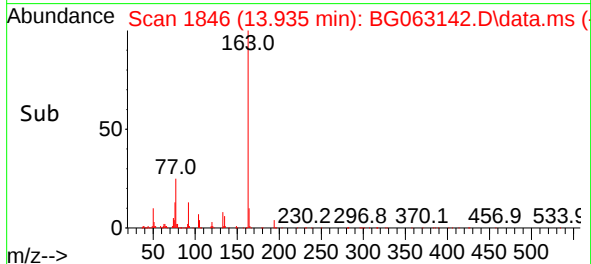
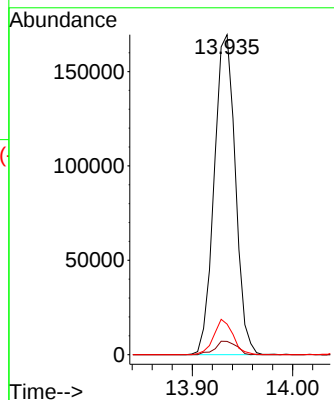
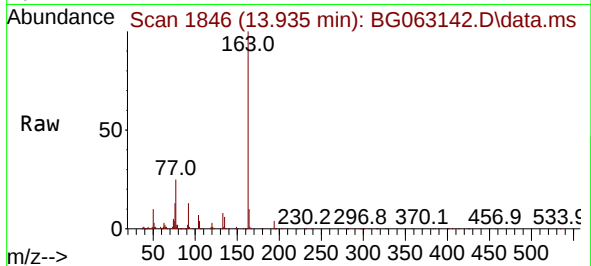




#50
Dimethylphthalate
Concen: 7.845 ng
RT: 13.935 min Scan# 1846
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

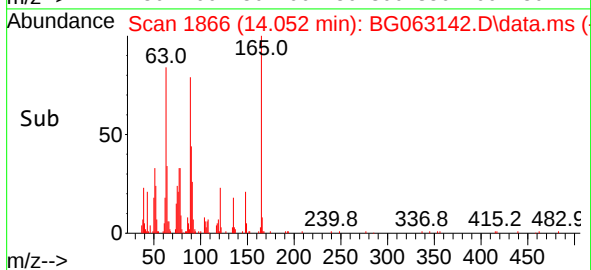
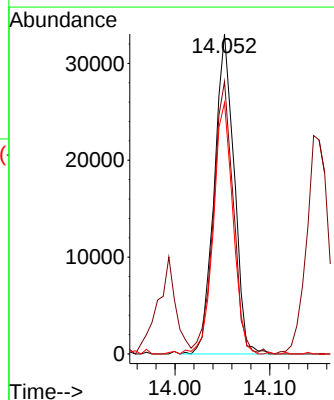
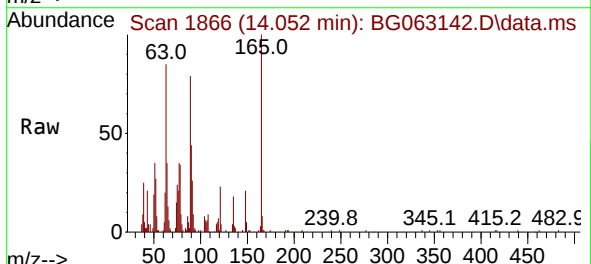
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

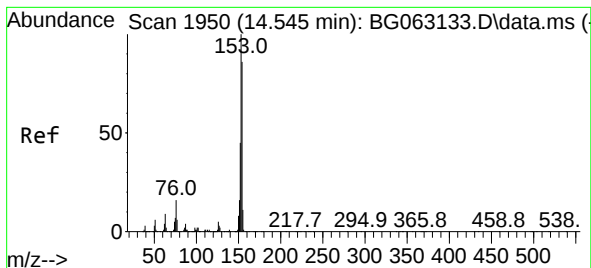
Tgt Ion:163 Resp: 248121
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.5 7.0 10.6



#51
2,6-Dinitrotoluene
Concen: 7.102 ng
RT: 14.052 min Scan# 1866
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:165 Resp: 47959
Ion Ratio Lower Upper
165 100
63 85.1 63.8 95.8
89 78.5 55.1 82.7





#52

Acenaphthene

Concen: 7.819 ng

RT: 14.546 min Scan# 1950

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

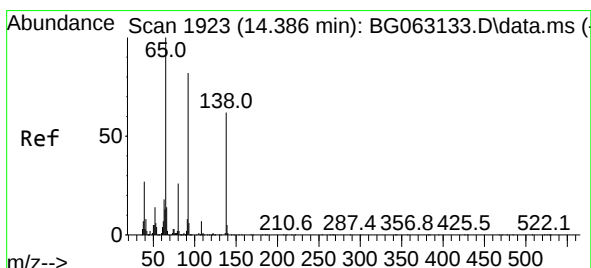
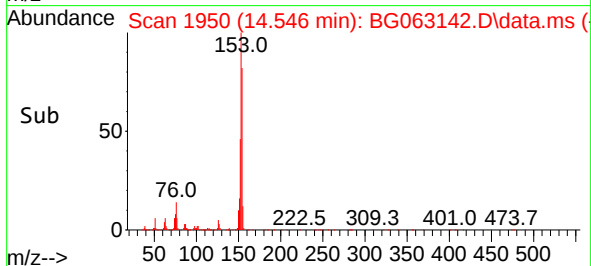
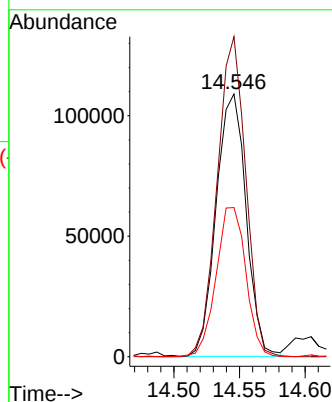
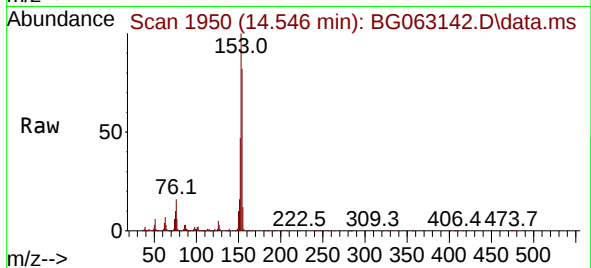
Tgt Ion:154 Resp: 172387

Ion Ratio Lower Upper

154 100

153 121.8 93.1 139.7

152 56.7 42.2 63.2



#53

3-Nitroaniline

Concen: 7.795 ng

RT: 14.387 min Scan# 1923

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

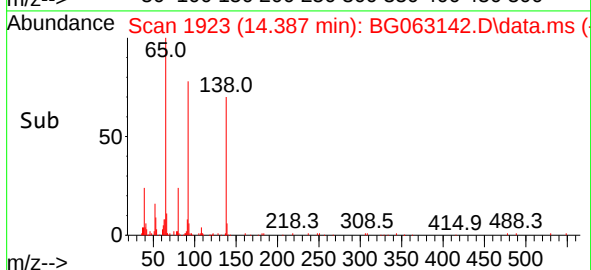
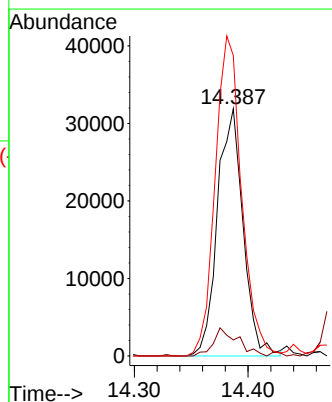
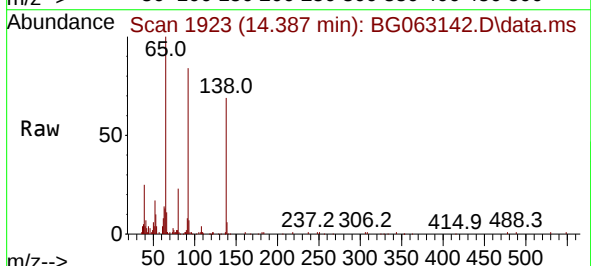
Tgt Ion:138 Resp: 49974

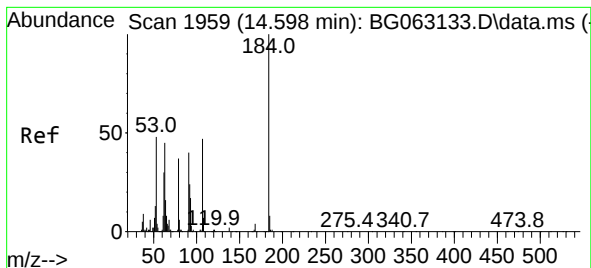
Ion Ratio Lower Upper

138 100

108 6.5 9.4 14.0#

92 121.6 106.2 159.2

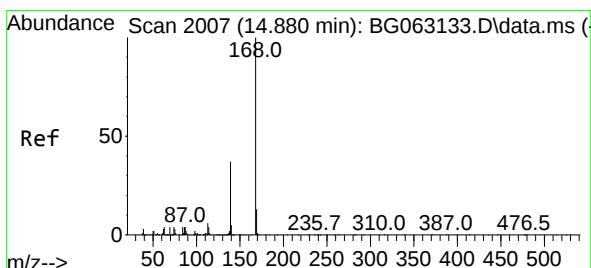
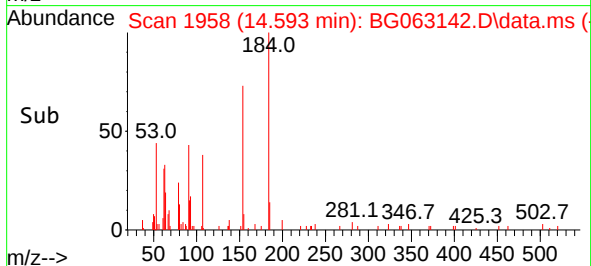
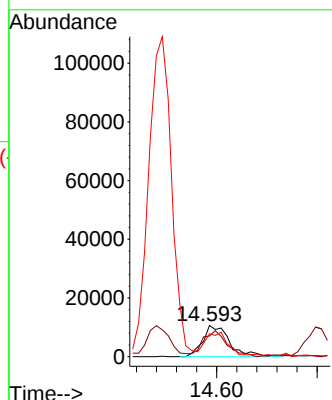
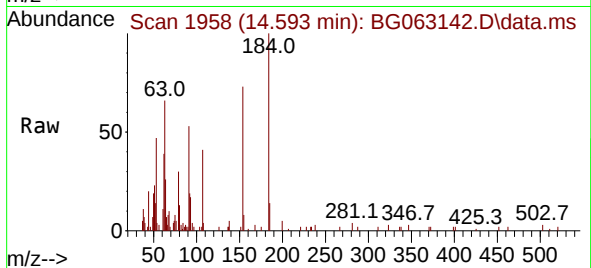




#54
2,4-Dinitrophenol
Concen: 4.801 ng
RT: 14.593 min Scan# 1959
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

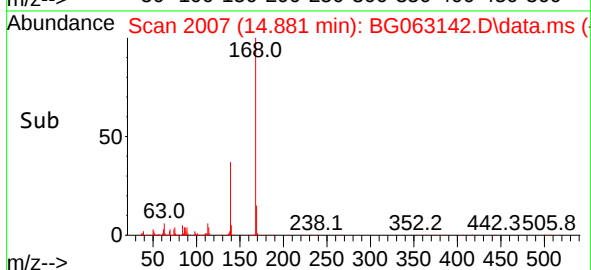
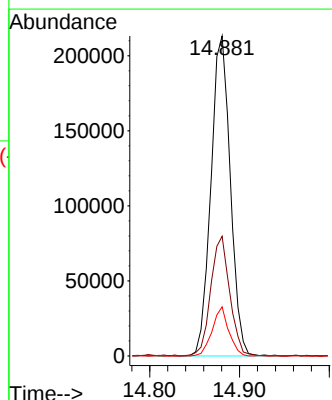
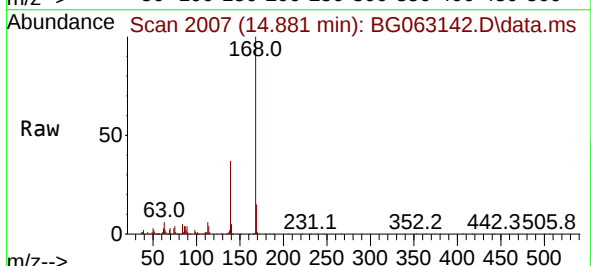
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

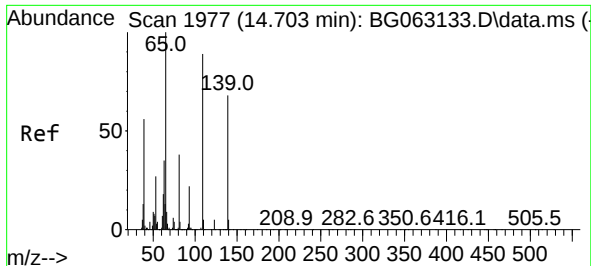
Tgt Ion:184 Resp: 19774
Ion Ratio Lower Upper
184 100
63 66.1 58.5 87.7
154 73.4 60.6 90.8



#55
Dibenzofuran
Concen: 8.211 ng
RT: 14.881 min Scan# 2007
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:168 Resp: 319205
Ion Ratio Lower Upper
168 100
139 37.4 29.9 44.9
169 15.3 10.4 15.6

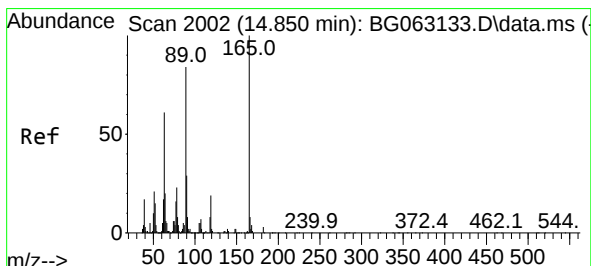
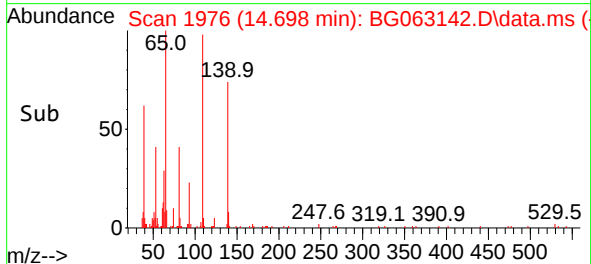
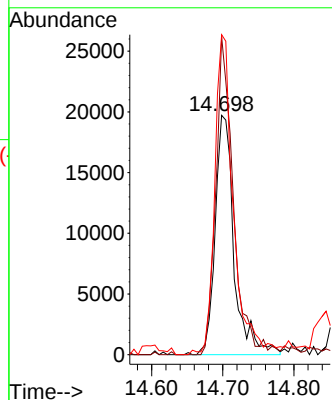
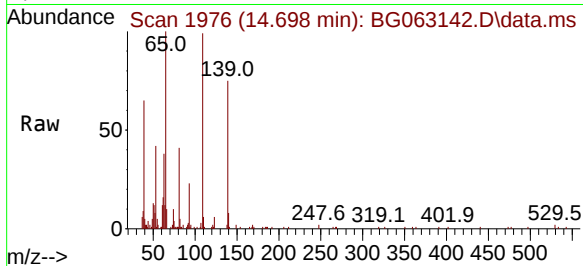




#56
4-Nitrophenol
Concen: 7.471 ng
RT: 14.698 min Scan# 1977
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

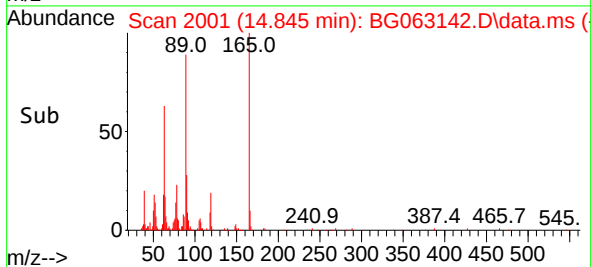
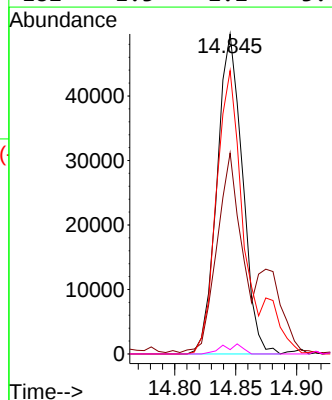
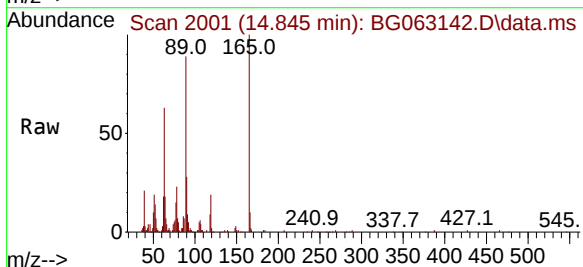
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

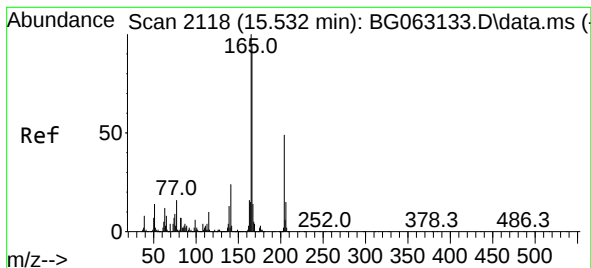
Tgt Ion:139 Resp: 36263
Ion Ratio Lower Upper
139 100
109 132.8 112.0 152.0
65 133.7 127.6 167.6



#57
2,4-Dinitrotoluene
Concen: 7.470 ng
RT: 14.845 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:165 Resp: 72147
Ion Ratio Lower Upper
165 100
63 62.8 49.0 73.4
89 88.6 67.4 101.0
182 1.3 2.2 3.4#





#58

Fluorene

Concen: 7.947 ng

RT: 15.533 min Scan# 2118

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

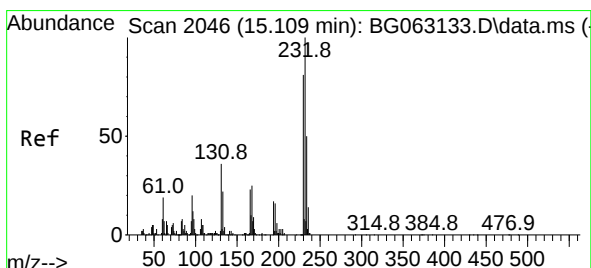
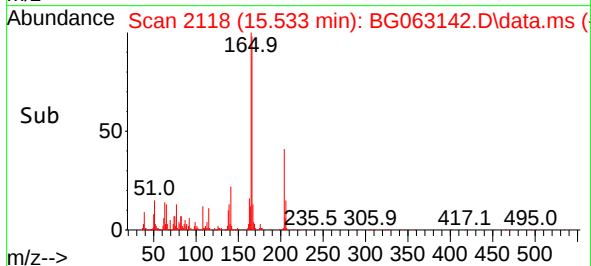
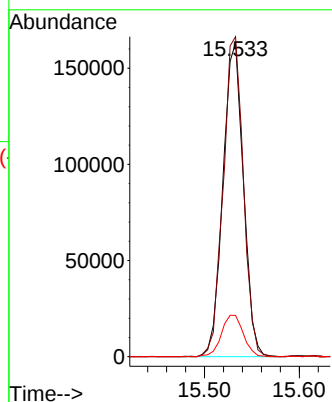
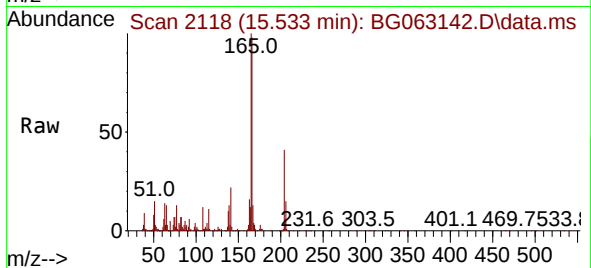
Tgt Ion:166 Resp: 244829

Ion Ratio Lower Upper

166 100

165 102.0 84.1 126.1

167 13.2 11.6 17.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 7.918 ng

RT: 15.110 min Scan# 2046

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Tgt Ion:232 Resp: 79764

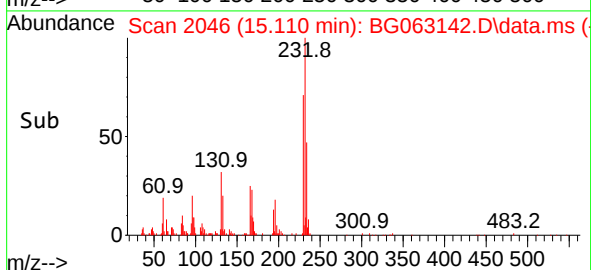
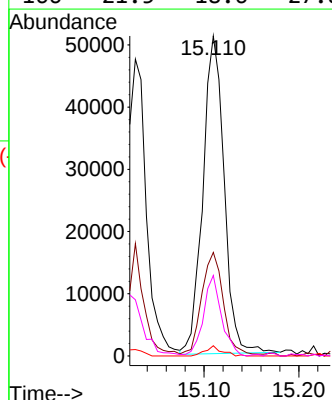
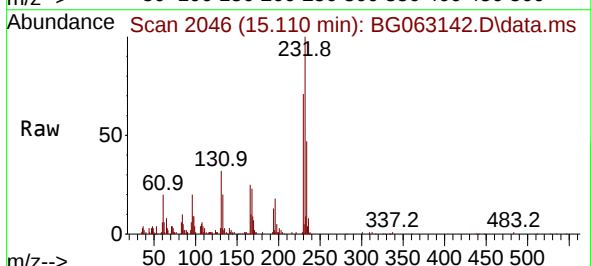
Ion Ratio Lower Upper

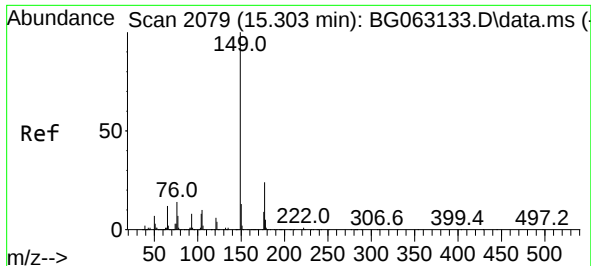
232 100

131 32.1 26.8 40.2

130 2.5 1.8 2.8

166 21.5 18.6 27.8

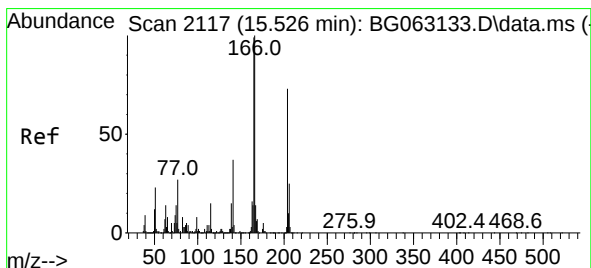
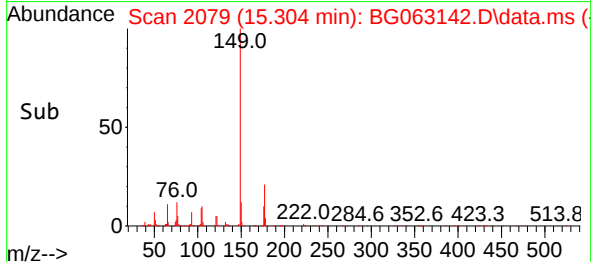
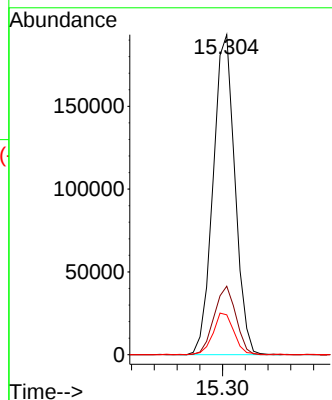
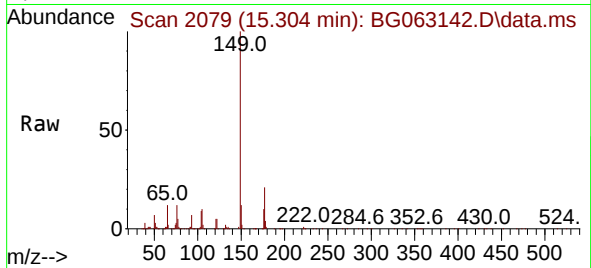




#60
Diethylphthalate
Concen: 7.916 ng
RT: 15.304 min Scan# 2079
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

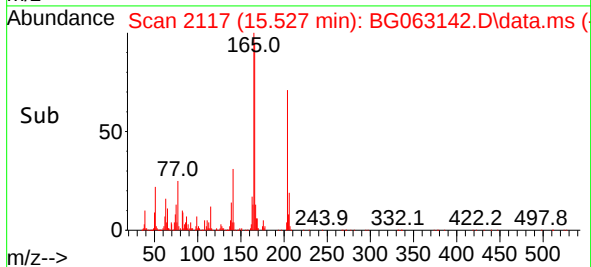
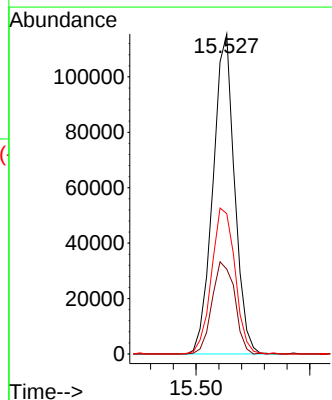
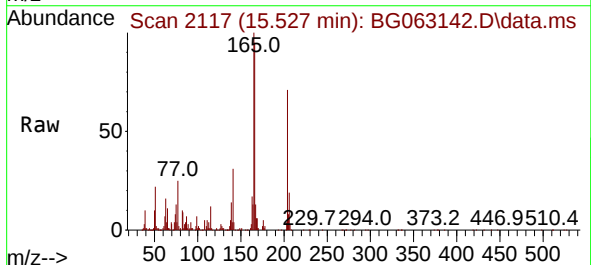
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

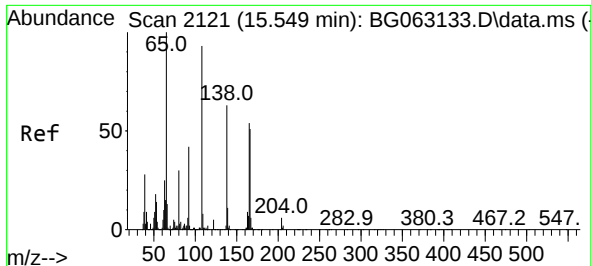
Tgt Ion:149 Resp: 257066
Ion Ratio Lower Upper
149 100
177 21.4 18.8 28.2
150 12.5 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 7.947 ng
RT: 15.527 min Scan# 2117
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:204 Resp: 152165
Ion Ratio Lower Upper
204 100
206 26.5 27.0 40.4#
141 43.8 41.0 61.4

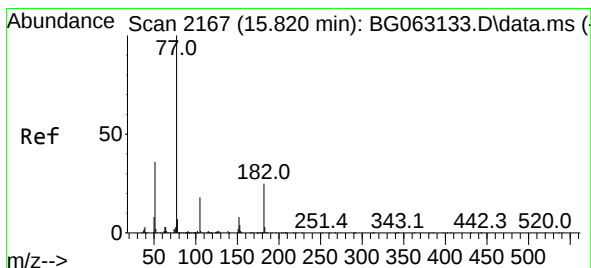
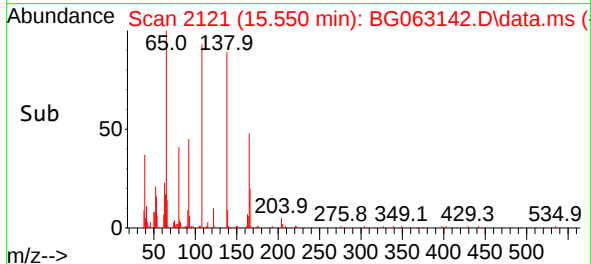
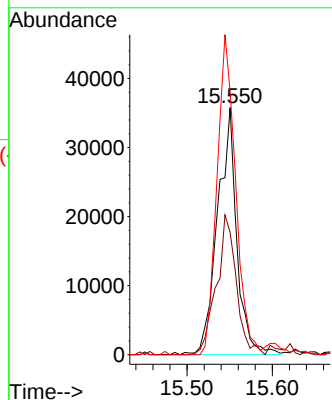
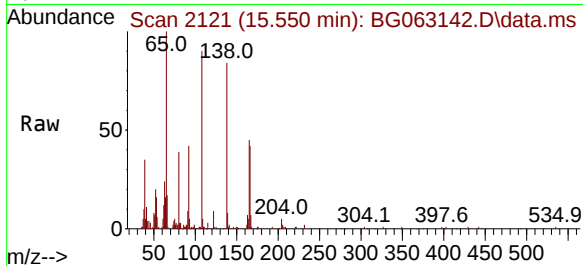




#62
4-Nitroaniline
Concen: 7.941 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

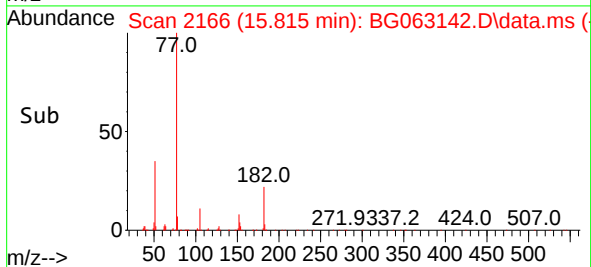
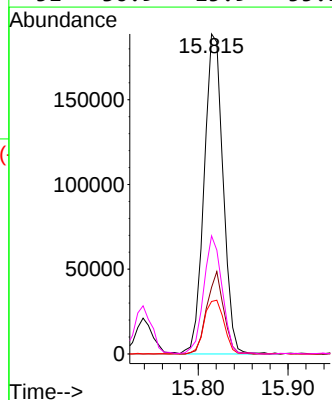
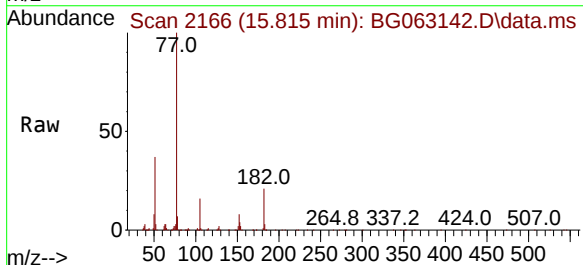
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

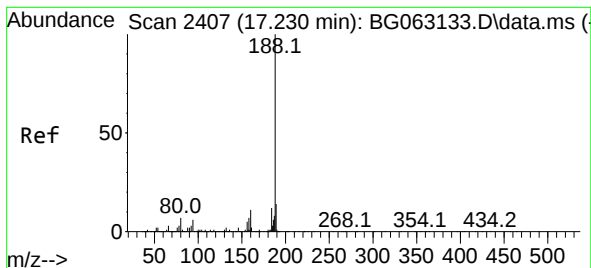
Tgt Ion:138 Resp: 56169
Ion Ratio Lower Upper
138 100
92 49.5 46.2 86.2
108 106.4 126.8 166.8#



#63
Azobenzene
Concen: 8.246 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion: 77 Resp: 276994
Ion Ratio Lower Upper
77 100
182 20.8 5.4 45.4
105 16.4 0.0 37.5
51 36.9 15.9 55.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.231 min Scan# 2407

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

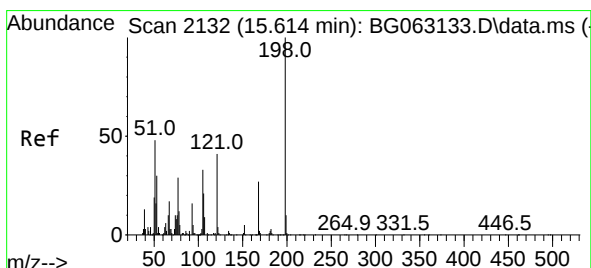
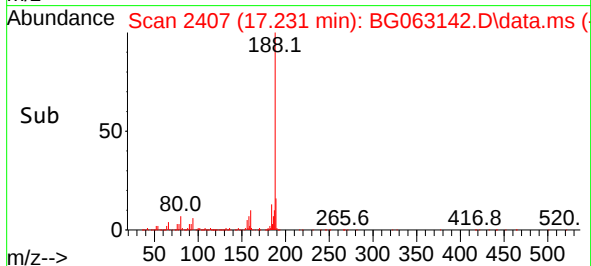
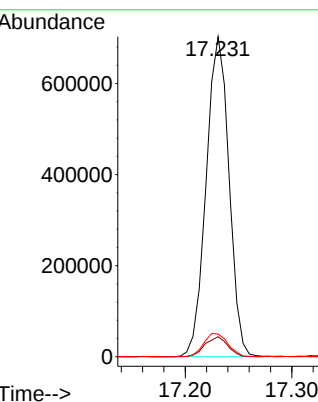
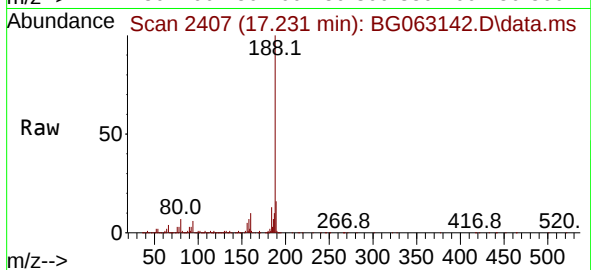
Tgt Ion:188 Resp: 1044336

Ion Ratio Lower Upper

188 100

94 6.3 4.8 7.2

80 7.1 5.9 8.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.001 ng

RT: 15.609 min Scan# 2131

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

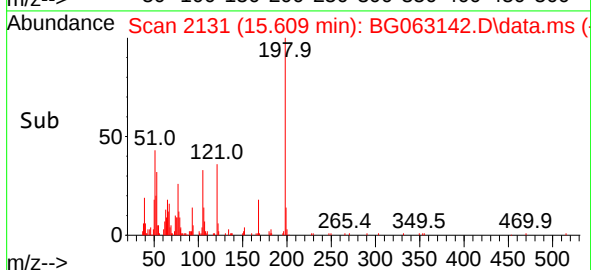
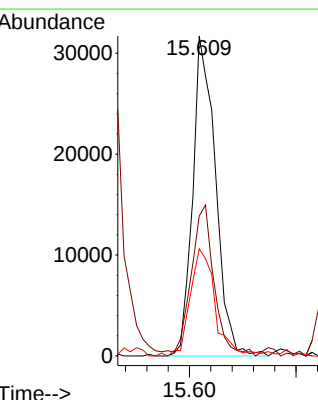
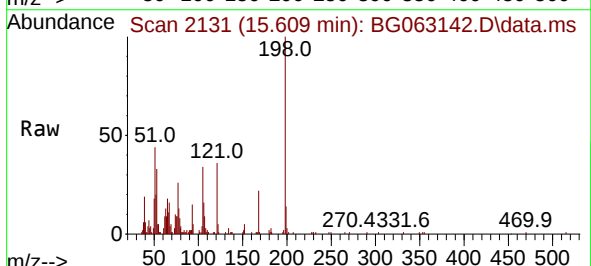
Tgt Ion:198 Resp: 47005

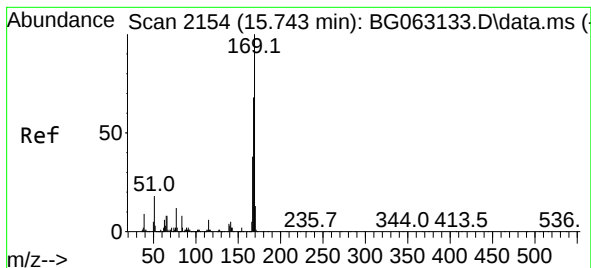
Ion Ratio Lower Upper

198 100

51 43.7 30.3 70.3

105 33.5 13.6 53.6





#66

n-Nitrosodiphenylamine

Concen: 8.589 ng

RT: 15.738 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

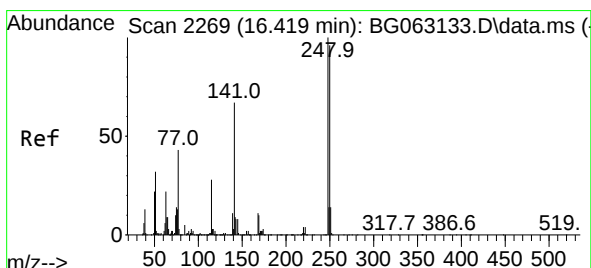
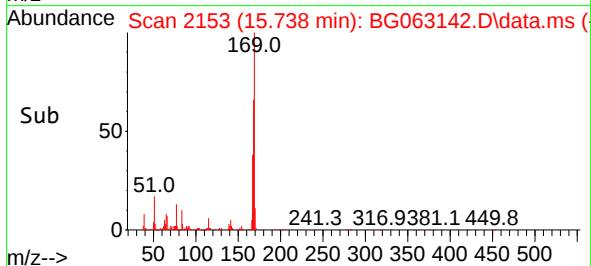
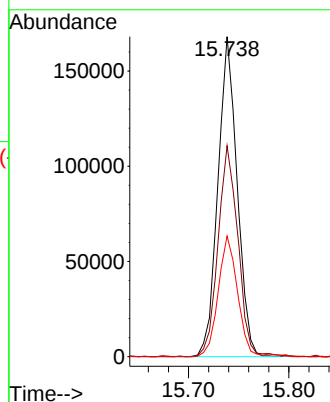
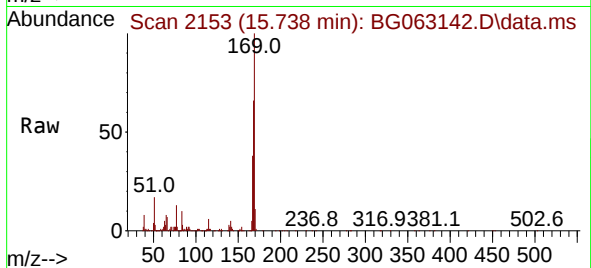
Tgt Ion:169 Resp: 223779

Ion Ratio Lower Upper

169 100

168 65.9 54.8 82.2

167 37.7 30.2 45.4



#67

4-Bromophenyl-phenylether

Concen: 8.173 ng

RT: 16.420 min Scan# 2269

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

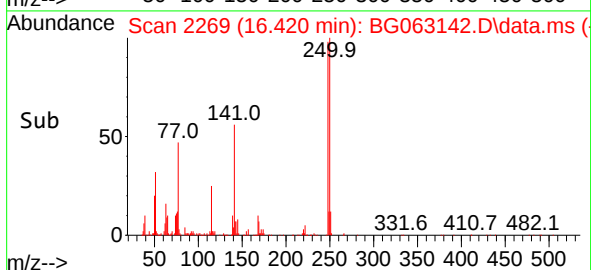
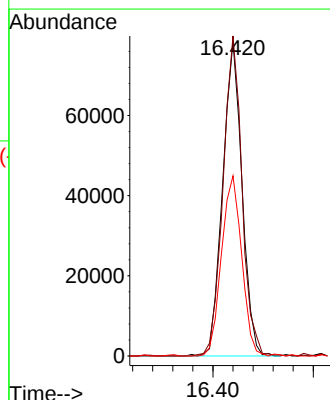
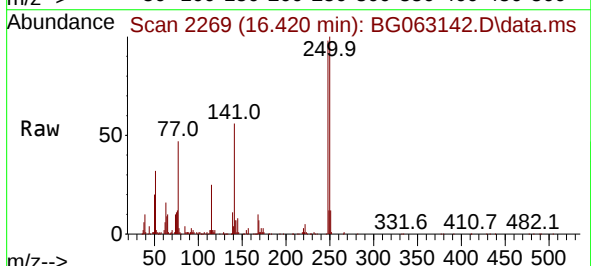
Tgt Ion:248 Resp: 104608

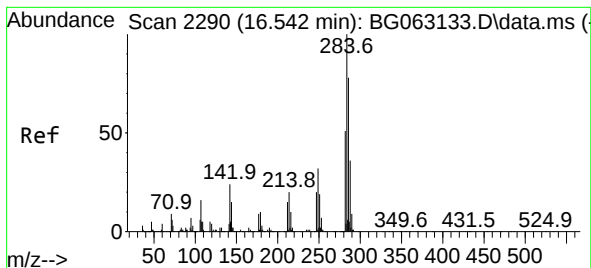
Ion Ratio Lower Upper

248 100

250 101.8 76.6 115.0

141 57.3 53.9 80.9





#68

Hexachlorobenzene

Concen: 8.272 ng

RT: 16.537 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

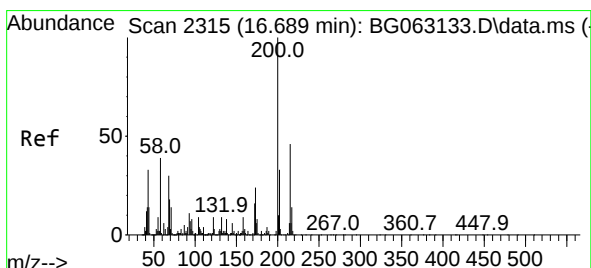
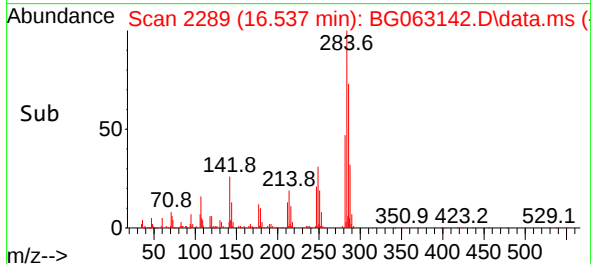
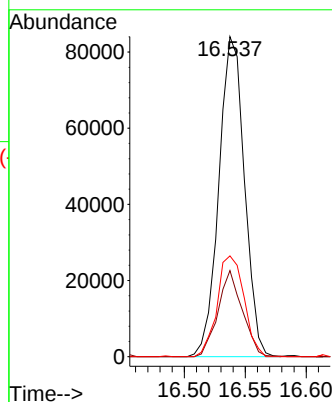
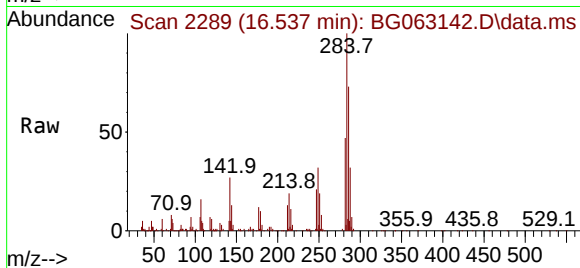
Tgt Ion:284 Resp: 122651

Ion Ratio Lower Upper

284 100

142 26.9 19.0 28.6

249 31.5 25.8 38.8



#69

Atrazine

Concen: 8.473 ng

RT: 16.690 min Scan# 2315

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

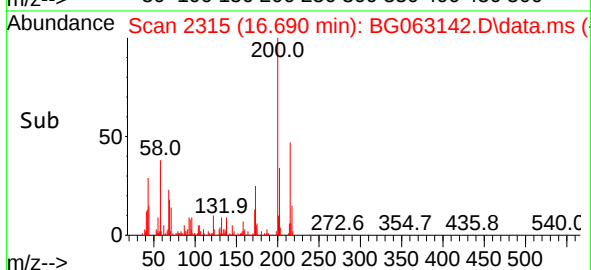
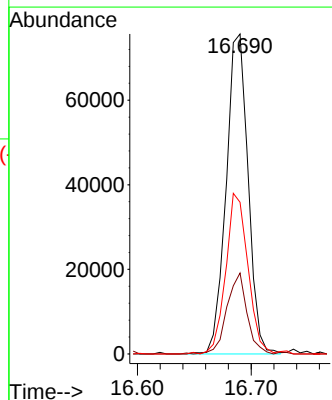
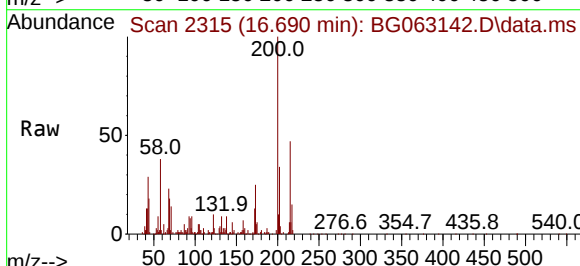
Tgt Ion:200 Resp: 101473

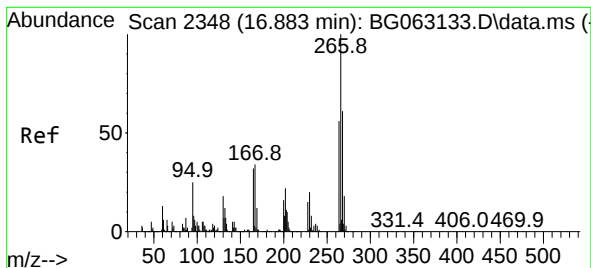
Ion Ratio Lower Upper

200 100

173 25.3 3.6 43.6

215 47.4 25.8 65.8





#70

Pentachlorophenol

Concen: 6.045 ng

RT: 16.890 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

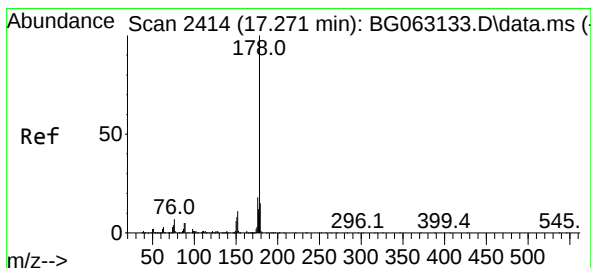
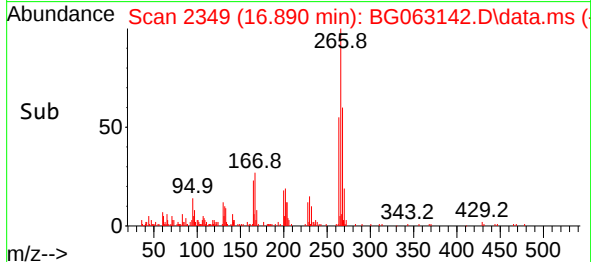
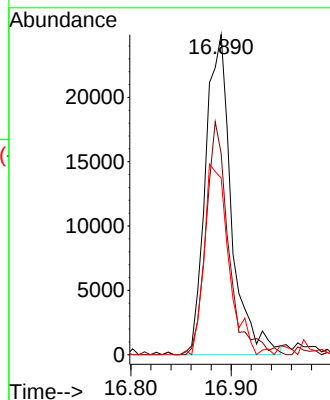
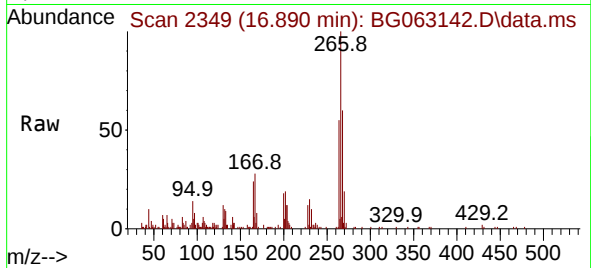
Tgt Ion:266 Resp: 44596

Ion Ratio Lower Upper

266 100

268 62.8 48.8 73.2

264 55.2 45.0 67.4



#71

Phenanthrene

Concen: 8.616 ng

RT: 17.272 min Scan# 2414

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

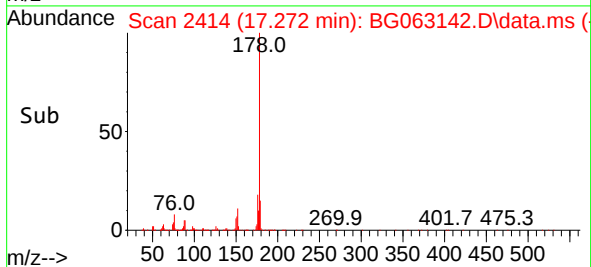
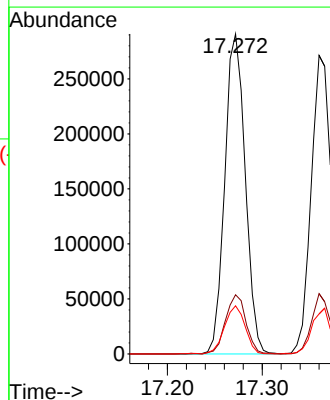
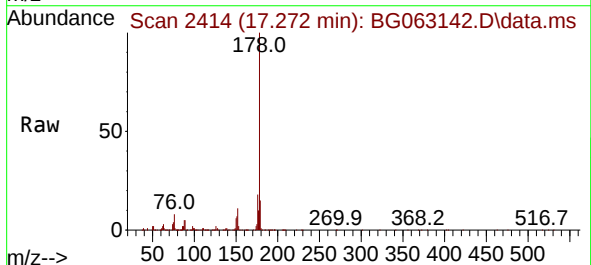
Tgt Ion:178 Resp: 436219

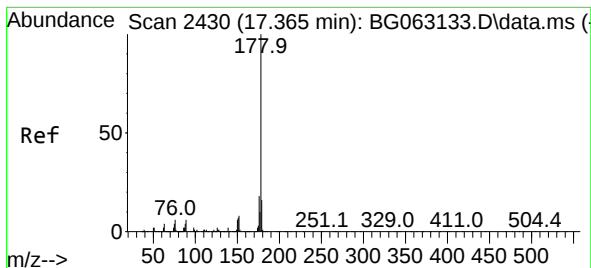
Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

179 15.0 12.3 18.5





#72

Anthracene

Concen: 8.162 ng

RT: 17.360 min Scan# 2430

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

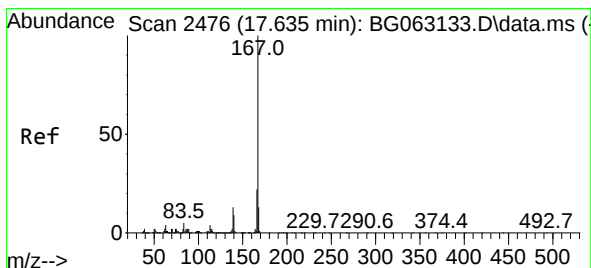
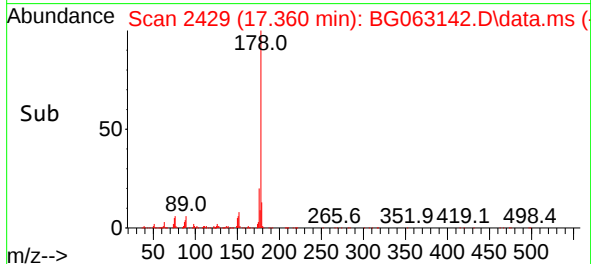
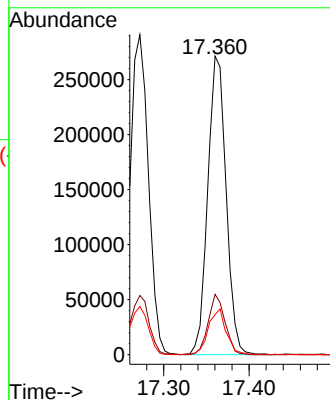
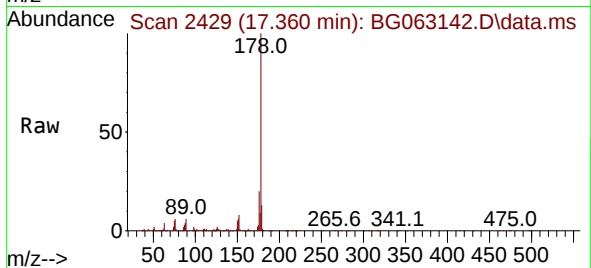
Tgt Ion:178 Resp: 405560

Ion Ratio Lower Upper

178 100

176 20.2 14.6 22.0

179 13.4 12.4 18.6



#73

Carbazole

Concen: 8.226 ng

RT: 17.636 min Scan# 2476

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

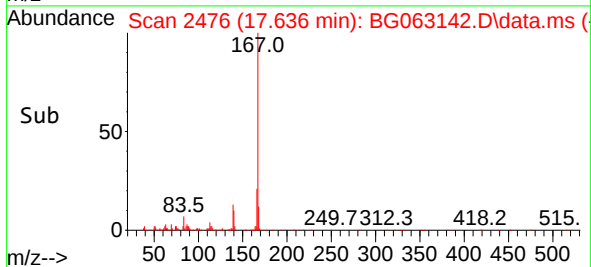
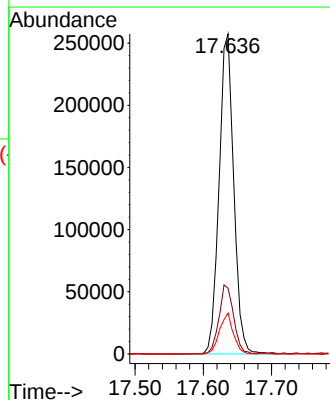
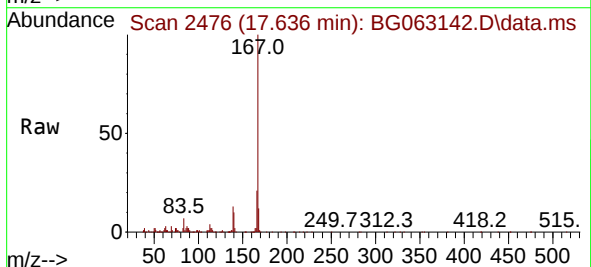
Tgt Ion:167 Resp: 384781

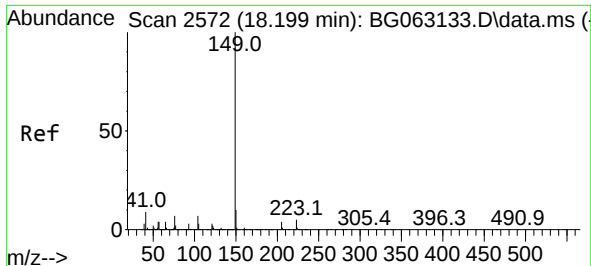
Ion Ratio Lower Upper

167 100

166 20.6 17.4 26.2

139 12.8 10.3 15.5

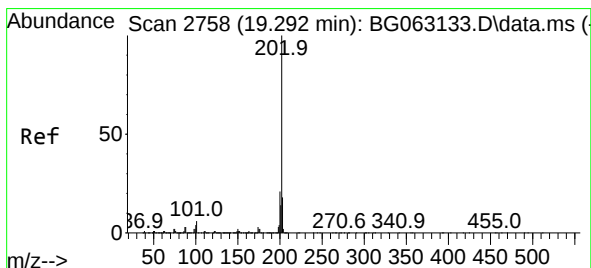
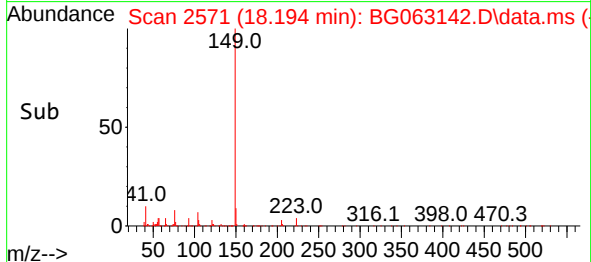
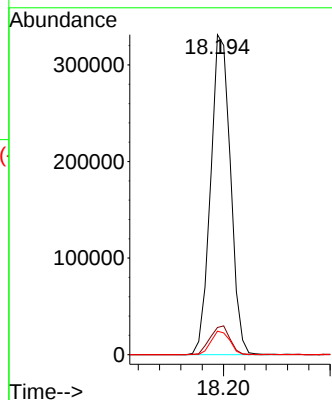
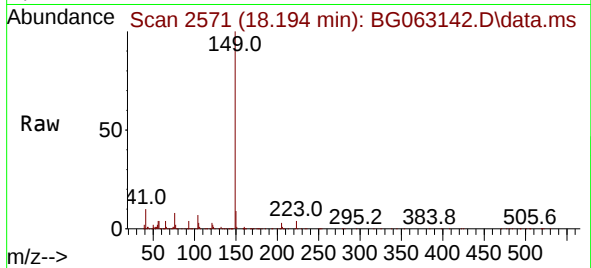




#74
Di-n-butylphthalate
Concen: 8.061 ng
RT: 18.194 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

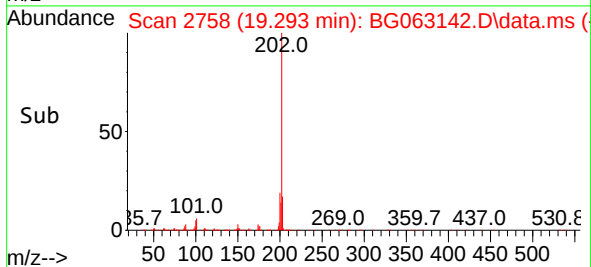
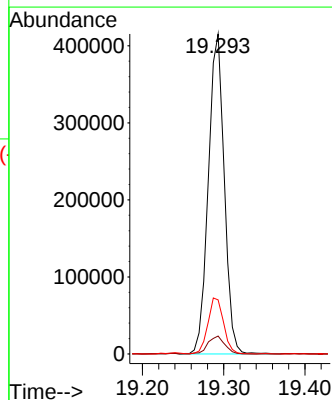
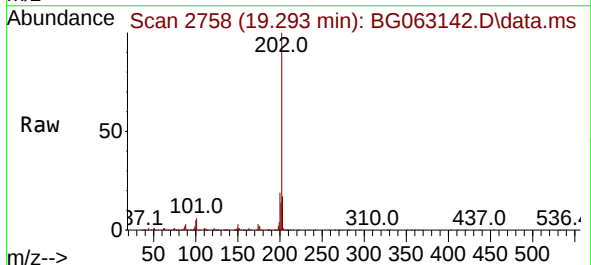
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

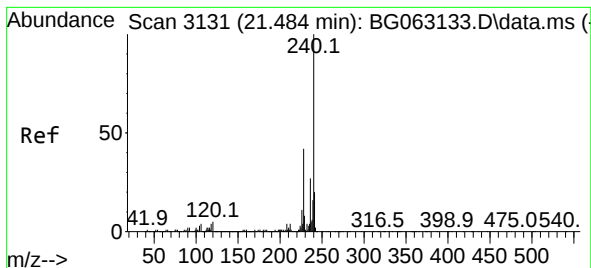
Tgt Ion:149 Resp: 428132
Ion Ratio Lower Upper
149 100
150 8.5 7.8 11.8
104 7.3 5.4 8.0



#75
Fluoranthene
Concen: 7.879 ng
RT: 19.293 min Scan# 2758
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:202 Resp: 564661
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.8
203 16.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.485 min Scan# 3131

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

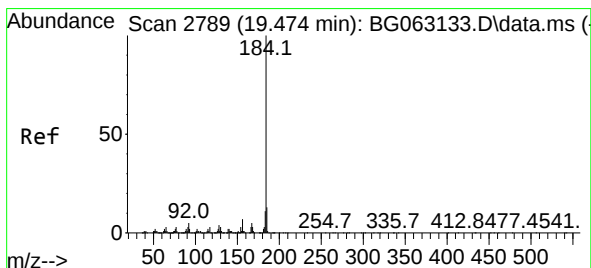
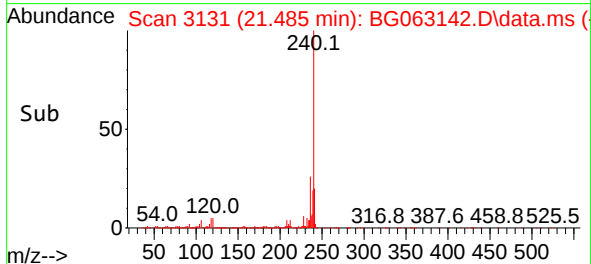
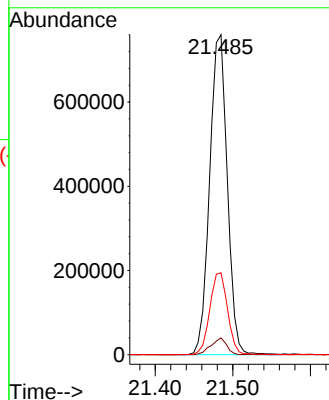
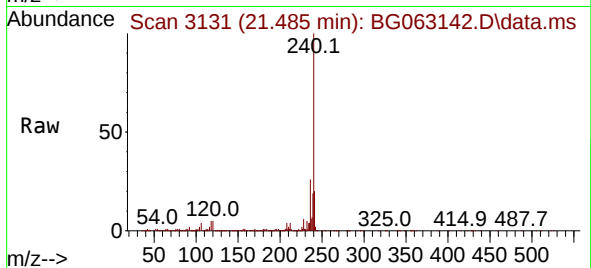
Tgt Ion:240 Resp: 1200558

Ion Ratio Lower Upper

240 100

120 5.2 3.9 5.9

236 25.6 21.4 32.2



#77

Benzidine

Concen: 8.029 ng

RT: 19.475 min Scan# 2789

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

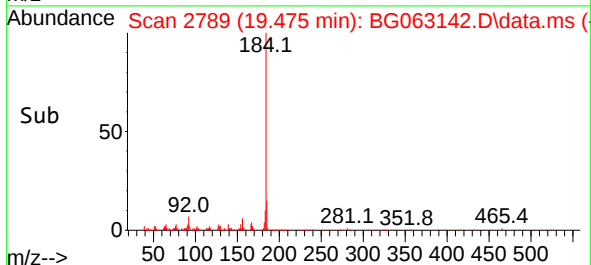
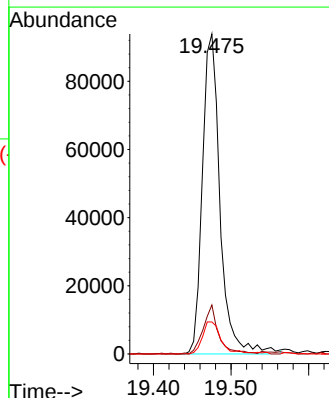
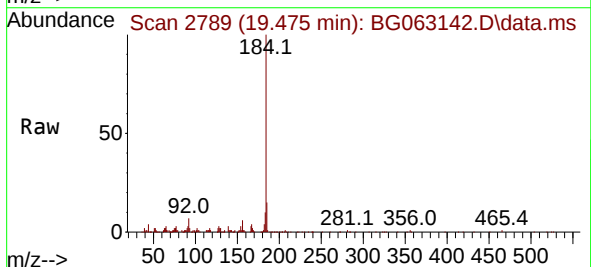
Tgt Ion:184 Resp: 148523

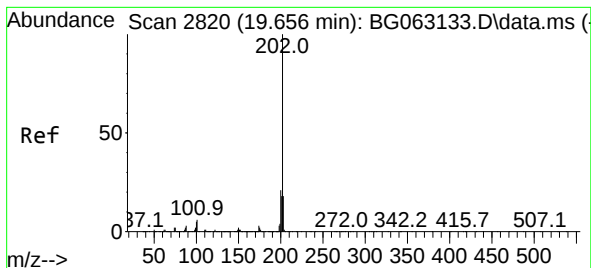
Ion Ratio Lower Upper

184 100

185 15.3 10.6 16.0

183 10.0 8.6 12.8





#78

Pyrene

Concen: 8.350 ng

RT: 19.651 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

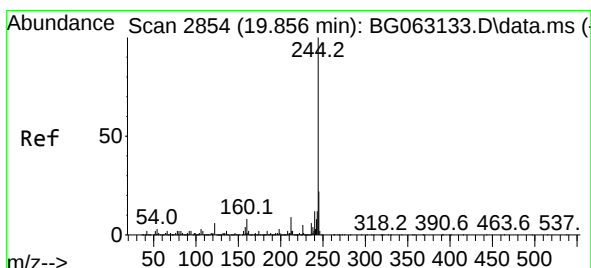
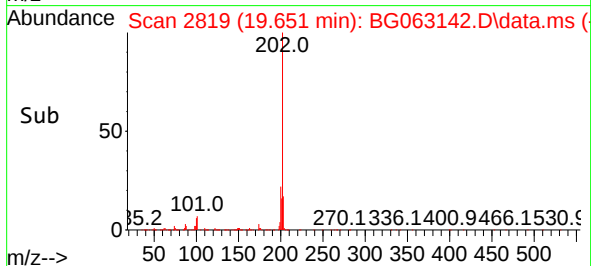
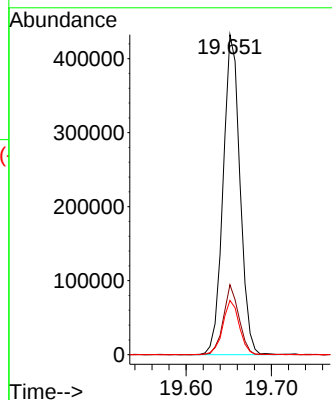
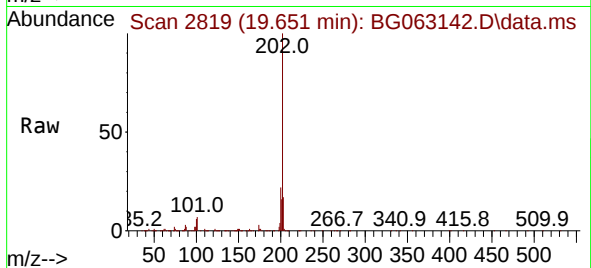
Tgt Ion:202 Resp: 594264

Ion Ratio Lower Upper

202 100

200 21.8 16.7 25.1

203 16.9 14.2 21.2



#79

Terphenyl-d14

Concen: 73.245 ng

RT: 19.863 min Scan# 2855

Delta R.T. 0.007 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

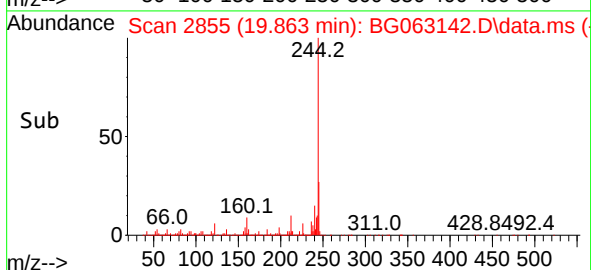
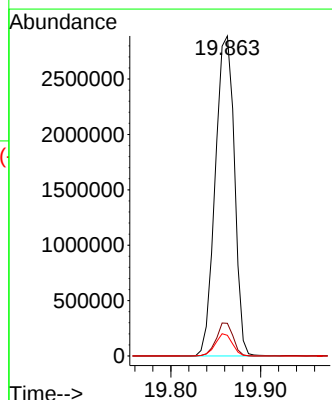
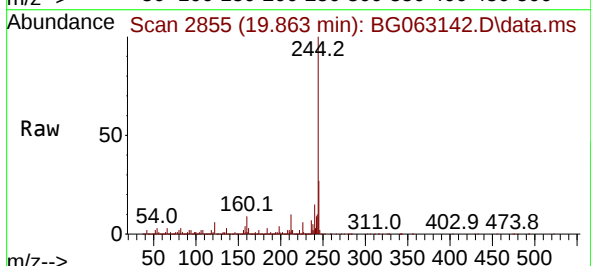
Tgt Ion:244 Resp: 4273148

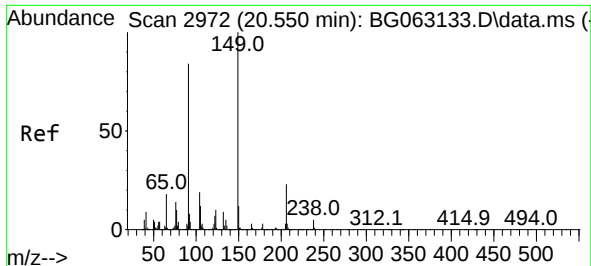
Ion Ratio Lower Upper

244 100

212 10.2 7.3 10.9

122 6.5 4.8 7.2

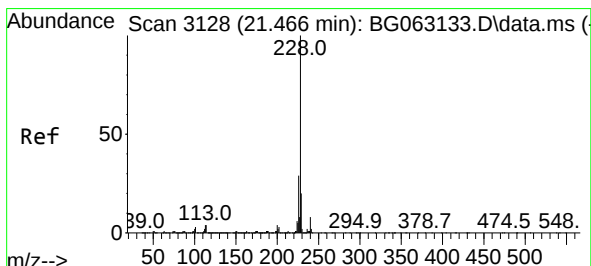
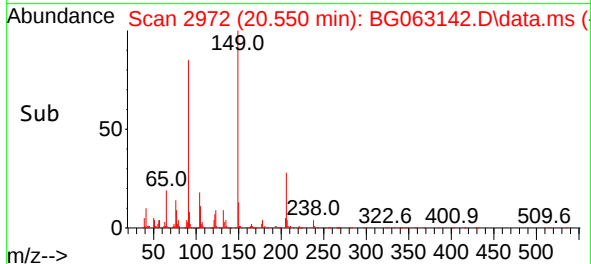
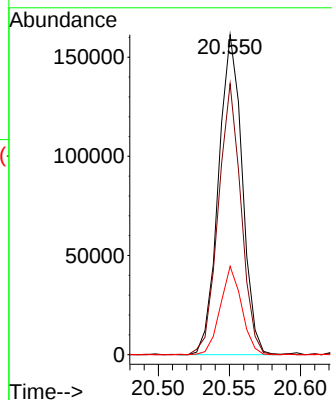
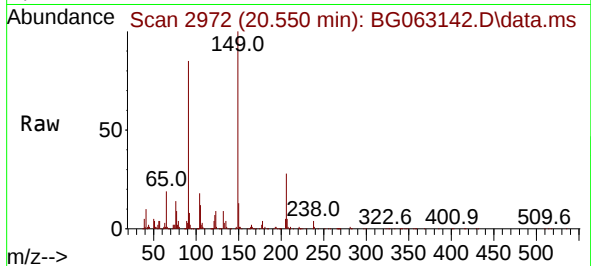




#80
Butylbenzylphthalate
Concen: 8.142 ng
RT: 20.550 min Scan# 2972
Delta R.T. 0.001 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

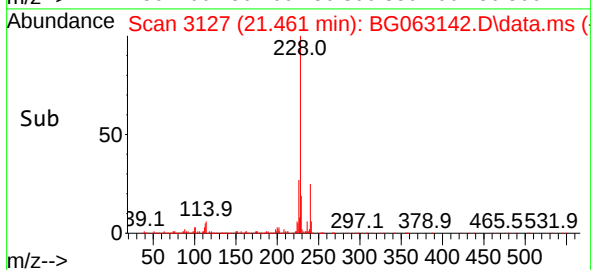
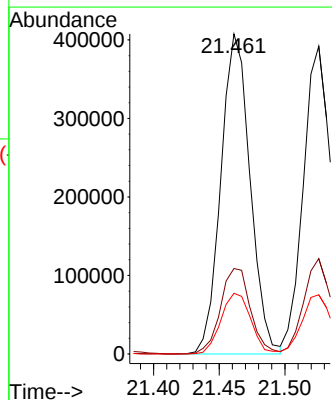
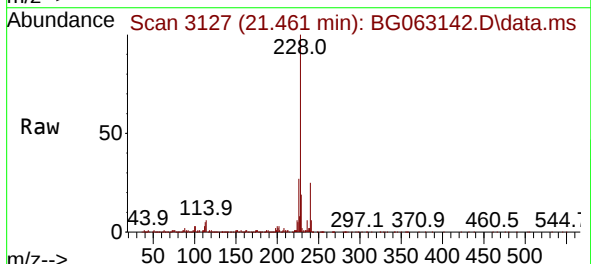
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2024

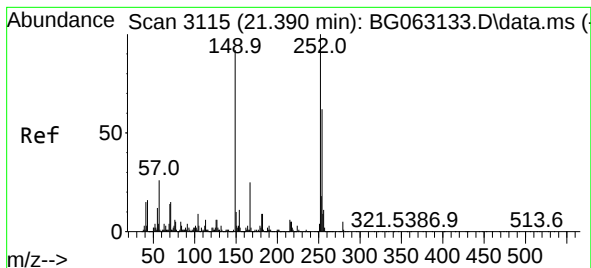
Tgt Ion:149 Resp: 186694
Ion Ratio Lower Upper
149 100
91 84.7 67.3 100.9
206 27.6 18.8 28.2



#81
Benzo(a)anthracene
Concen: 8.362 ng
RT: 21.461 min Scan# 3127
Delta R.T. -0.005 min
Lab File: BG063142.D
Acq: 1 Nov 2024 11:04

Tgt Ion:228 Resp: 632206
Ion Ratio Lower Upper
228 100
226 26.7 23.5 35.3
229 18.9 16.2 24.2





#82

3,3'-Dichlorobenzidine

Concen: 8.418 ng

RT: 21.385 min Scan# 3114

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

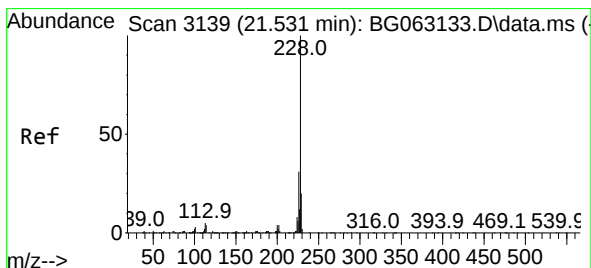
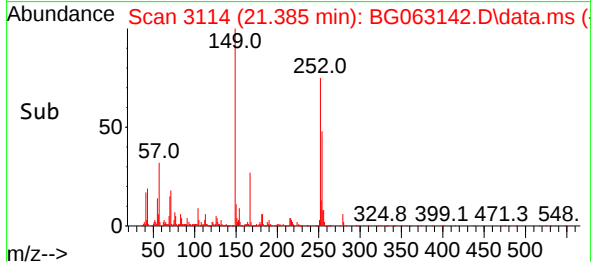
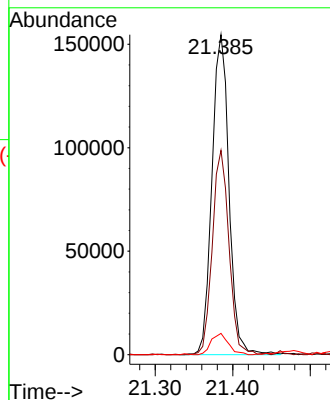
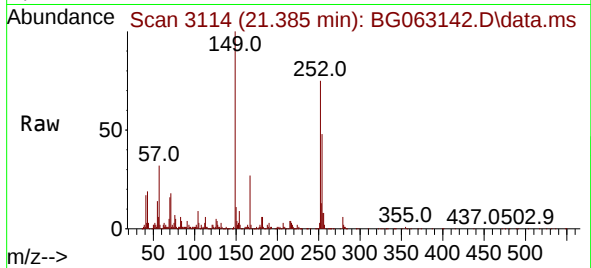
Tgt Ion:252 Resp: 235959

Ion Ratio Lower Upper

252 100

254 63.9 49.4 74.2

126 6.6 4.8 7.2



#83

Chrysene

Concen: 8.434 ng

RT: 21.526 min Scan# 3138

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

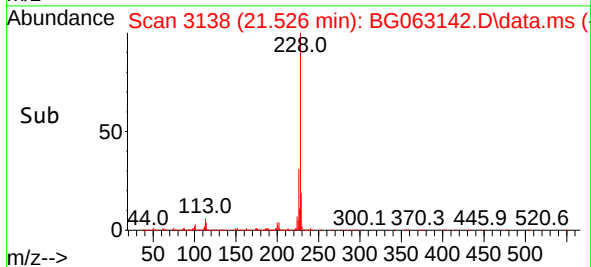
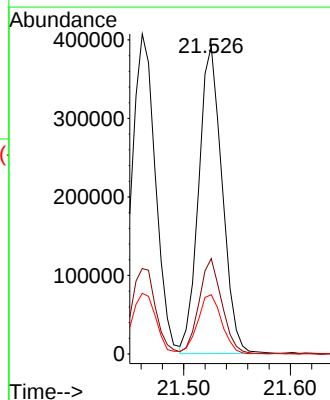
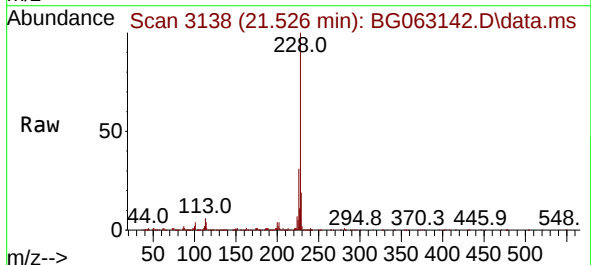
Tgt Ion:228 Resp: 598941

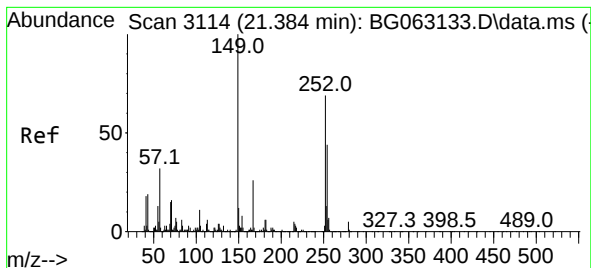
Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

229 19.2 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.320 ng

RT: 21.379 min Scan# 3113

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

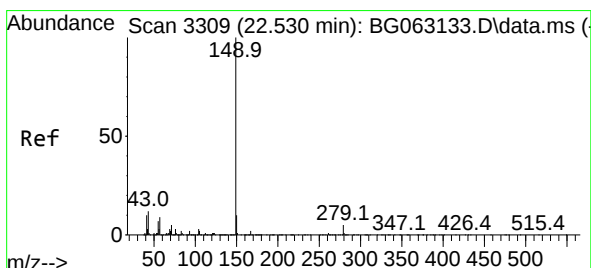
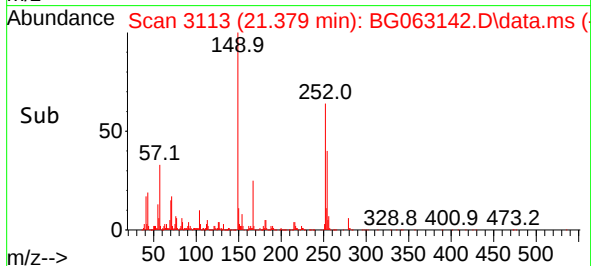
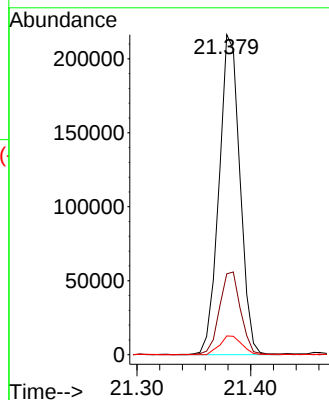
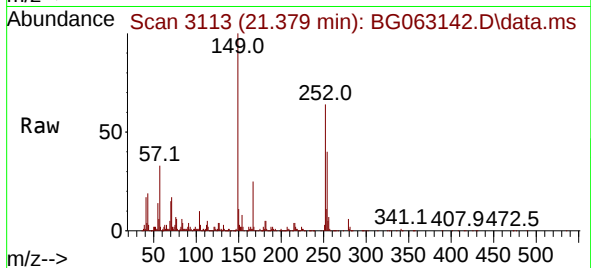
Tgt Ion:149 Resp: 276759

Ion Ratio Lower Upper

149 100

167 25.3 20.6 31.0

279 5.8 4.3 6.5



#85

Di-n-octyl phthalate

Concen: 8.283 ng

RT: 22.525 min Scan# 3308

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

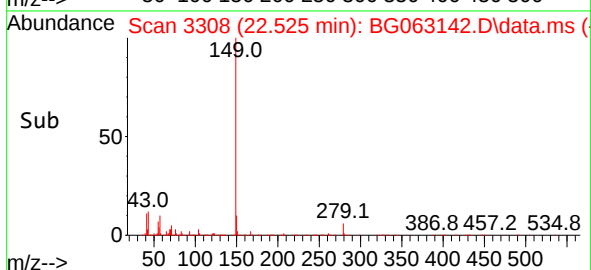
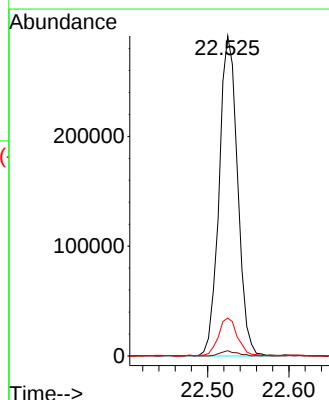
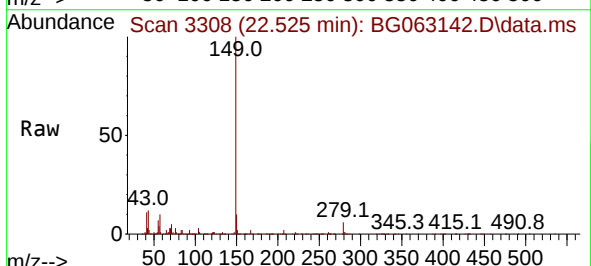
Tgt Ion:149 Resp: 460964

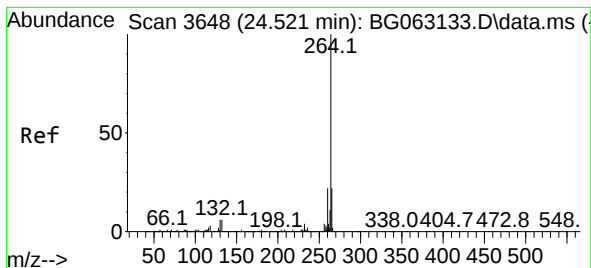
Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 12.4 9.8 14.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.522 min Scan# 3

Delta R.T. 0.001 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

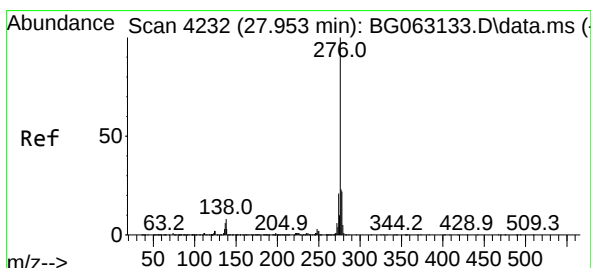
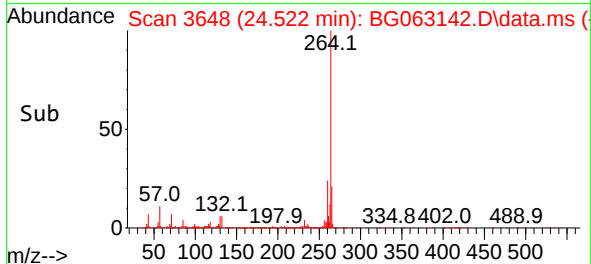
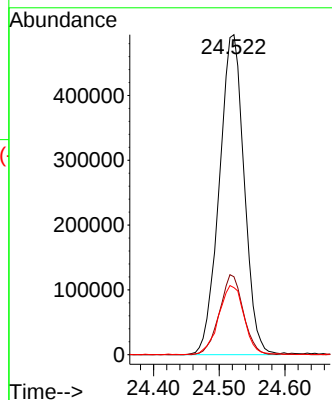
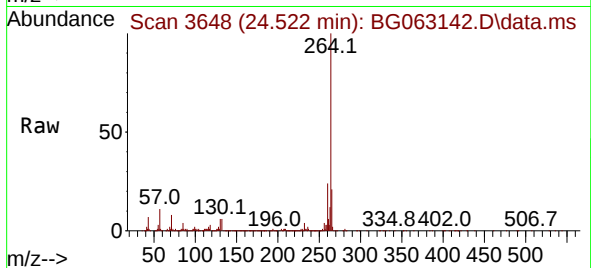
Tgt Ion:264 Resp: 1297705

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.2

265 21.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.827 ng

RT: 27.936 min Scan# 4229

Delta R.T. -0.017 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

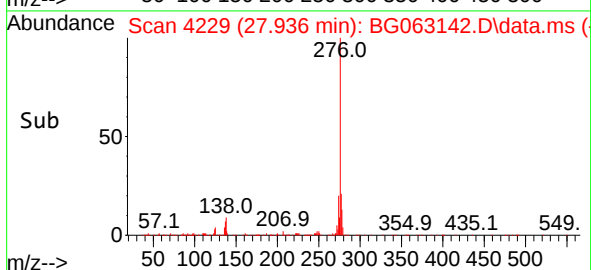
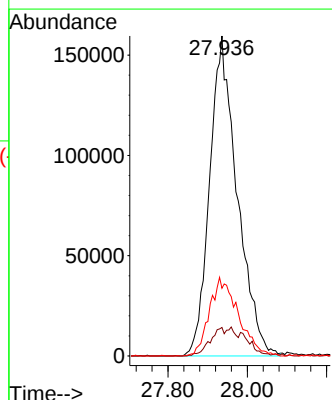
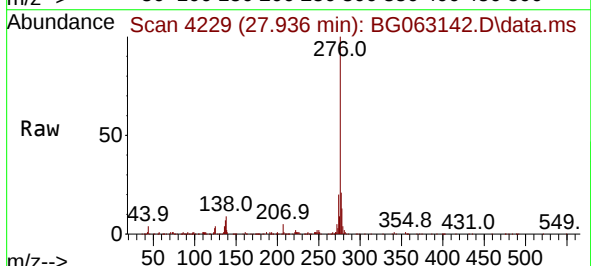
Tgt Ion:276 Resp: 768807

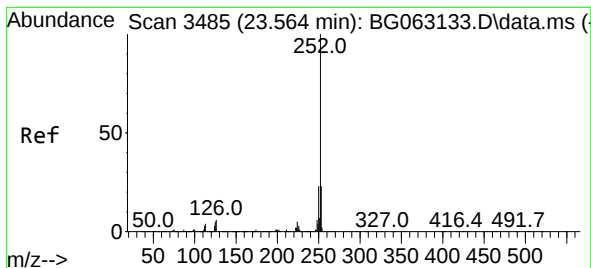
Ion Ratio Lower Upper

276 100

138 4.7 8.3 12.5#

277 25.7 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 8.427 ng

RT: 23.559 min Scan# 3484

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

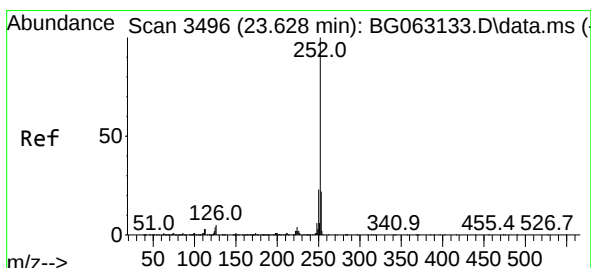
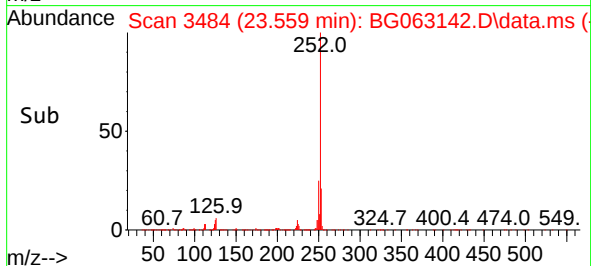
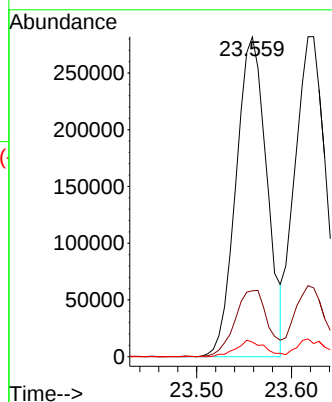
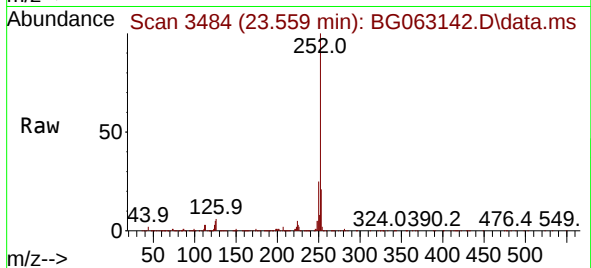
Tgt Ion:252 Resp: 637588

Ion Ratio Lower Upper

252 100

253 20.6 18.7 28.1

125 4.6 3.6 5.4



#89

Benzo(k)fluoranthene

Concen: 8.927 ng

RT: 23.623 min Scan# 3495

Delta R.T. -0.005 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

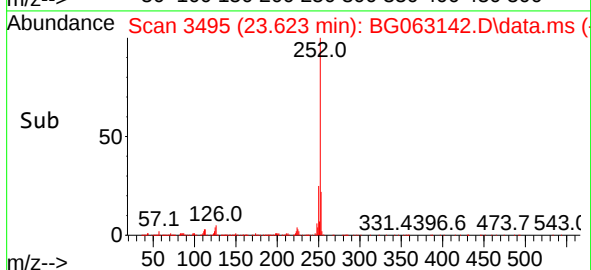
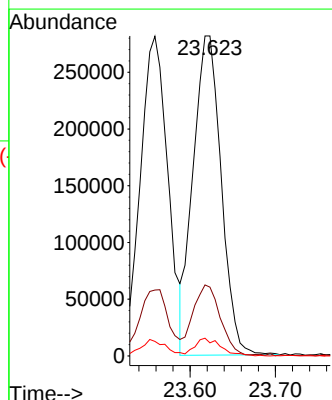
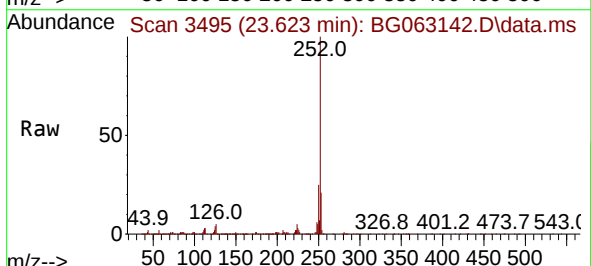
Tgt Ion:252 Resp: 644365

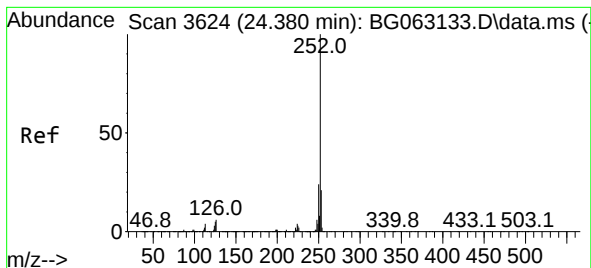
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 4.1 3.0 4.6





#90

Benzo(a)pyrene

Concen: 8.988 ng

RT: 24.369 min Scan# 3

Delta R.T. -0.011 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2024

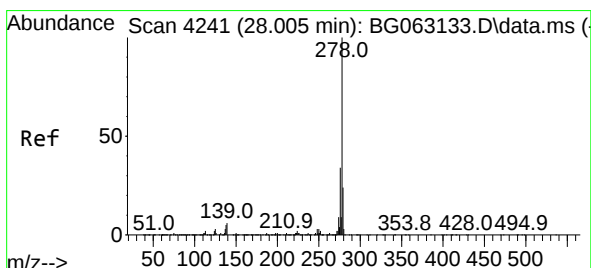
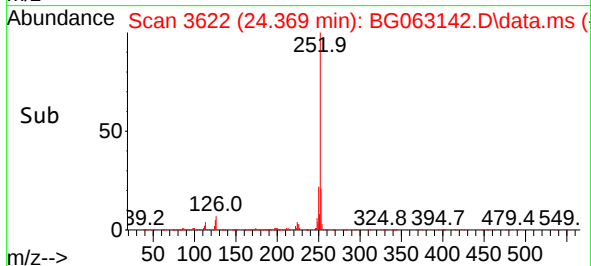
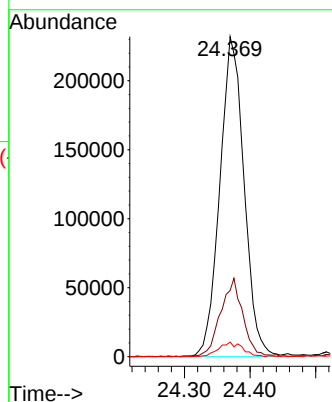
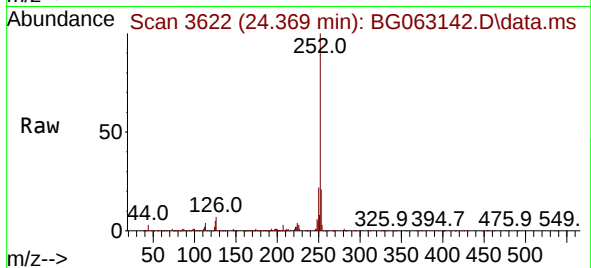
Tgt Ion:252 Resp: 593542

Ion Ratio Lower Upper

252 100

253 20.7 16.9 25.3

125 4.5 3.7 5.5



#91

Dibenzo(a,h)anthracene

Concen: 8.787 ng

RT: 27.989 min Scan# 4238

Delta R.T. -0.017 min

Lab File: BG063142.D

Acq: 1 Nov 2024 11:04

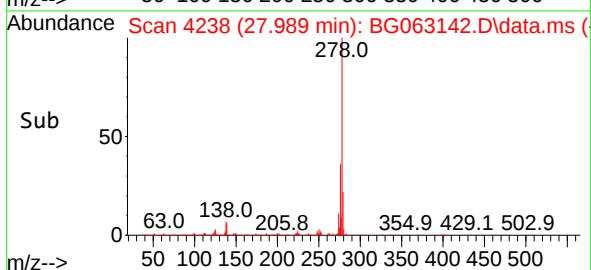
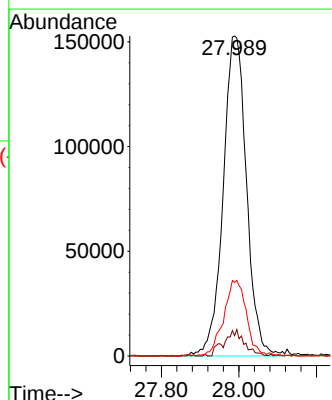
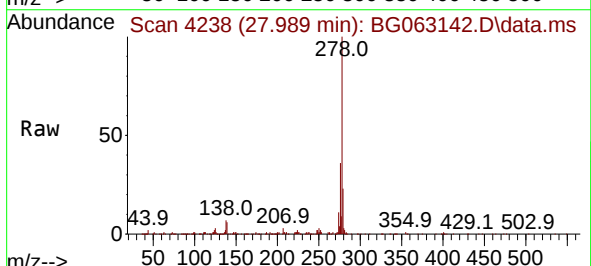
Tgt Ion:278 Resp: 638822

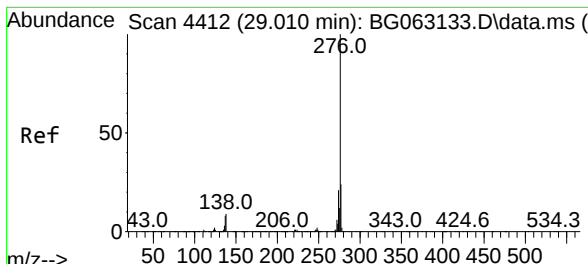
Ion Ratio Lower Upper

278 100

139 6.3 5.0 7.6

279 22.9 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.089 ng
 RT: 29.011 min Scan# 4412
 Delta R.T. 0.001 min
 Lab File: BG063142.D
 Acq: 1 Nov 2024 11:04

Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:276 Resp: 581314

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.3	28.9
138	7.2	7.0	10.4

