

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
 Data File : BG063949.D
 Acq On : 10 Jan 2025 14:07
 Operator : RC/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 10 14:45:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 23:17:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.765	152	105538	20.000	ng	-0.03
21) Naphthalene-d8	10.556	136	412031	20.000	ng	-0.02
39) Acenaphthene-d10	14.416	164	285267	20.000	ng	-0.02
64) Phenanthrene-d10	17.172	188	654860	20.000	ng	-0.02
76) Chrysene-d12	21.426	240	665529	20.000	ng	#-0.03
86) Perylene-d12	24.428	264	720105	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.362	112	774944	116.991	ng	-0.03
7) Phenol-d6	6.954	99	1113480	116.196	ng	-0.03
23) Nitrobenzene-d5	8.923	82	826142	78.981	ng	-0.03
42) 2,4,6-Tribromophenol	15.914	330	361619	105.124	ng	-0.02
45) 2-Fluorobiphenyl	13.030	172	1600116	81.261	ng	-0.02
79) Terphenyl-d14	19.804	244	2720628	81.167	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.253	88	13547	3.890	ng	# 89
3) Pyridine	3.658	79	31238	3.330	ng	# 86
4) n-Nitrosodimethylamine	3.576	42	12929	3.606	ng	# 83
6) Aniline	7.095	93	41046	4.931	ng	89
8) 2-Chlorophenol	7.336	128	25281	3.926	ng	91
9) Benzaldehyde	6.907	77	30278	4.948	ng	89
10) Phenol	6.978	94	41259	4.135	ng	86
11) bis(2-Chloroethyl)ether	7.195	93	30085	3.846	ng	81
12) 1,3-Dichlorobenzene	7.659	146	30583	3.940	ng	96
13) 1,4-Dichlorobenzene	7.806	146	33766	4.352	ng	89
14) 1,2-Dichlorobenzene	8.118	146	31465	4.121	ng	96
15) Benzyl Alcohol	8.006	79	22897	3.330	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.282	45	46086	4.093	ng	96
17) 2-Methylphenol	8.223	107	23020	3.554	ng	96
18) Hexachloroethane	8.835	117	10995	3.654	ng	# 78
19) n-Nitroso-di-n-propyla...	8.570	70	24020	3.432	ng	# 82
20) 3+4-Methylphenols	8.553	107	32075	3.682	ng	87
22) Acetophenone	8.588	105	49953	4.037	ng	# 95
24) Nitrobenzene	8.970	77	41968	3.737	ng	93
25) Isophorone	9.487	82	66526	3.609	ng	96
26) 2-Nitrophenol	9.681	139	11915	3.343	ng	# 94
27) 2,4-Dimethylphenol	9.751	122	11484	2.527	ng	# 74
28) bis(2-Chloroethoxy)met...	9.974	93	38972	3.545	ng	# 98
29) 2,4-Dichlorophenol	10.233	162	23072	3.398	ng	96
30) 1,2,4-Trichlorobenzene	10.421	180	32185	3.919	ng	95
31) Naphthalene	10.609	128	90203	4.038	ng	# 96
32) Benzoic acid	9.751	122	11484	3.778	ng	# 10
33) 4-Chloroaniline	10.738	127	28388	3.915	ng	# 86
34) Hexachlorobutadiene	10.891	225	19289	3.426	ng	95
35) Caprolactam	11.473	113	7176	3.201	ng	# 80
36) 4-Chloro-3-methylphenol	11.872	107	23915	3.173	ng	96
37) 2-Methylnaphthalene	12.231	142	59815	3.811	ng	93
38) 1-Methylnaphthalene	12.442	142	56030	3.589	ng	94
40) 1,2,4,5-Tetrachloroben...	12.607	216	37892	3.959	ng	98
41) Hexachlorocyclopentadiene	12.577	237	67	11.472	ng	# 29
43) 2,4,6-Trichlorophenol	12.942	196	21375	3.792	ng	97

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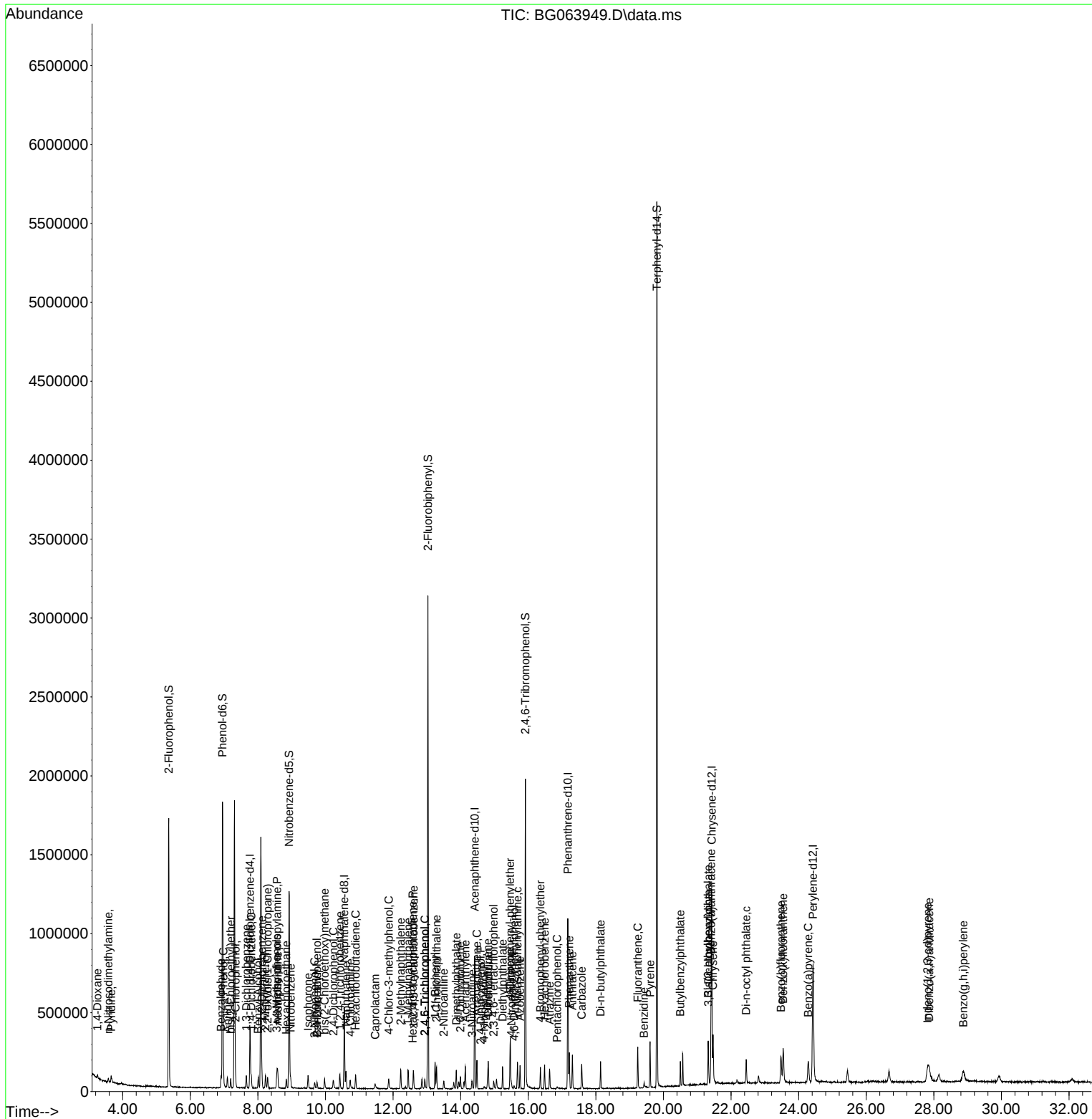
Quant Time: Jan 10 14:45:38 2025
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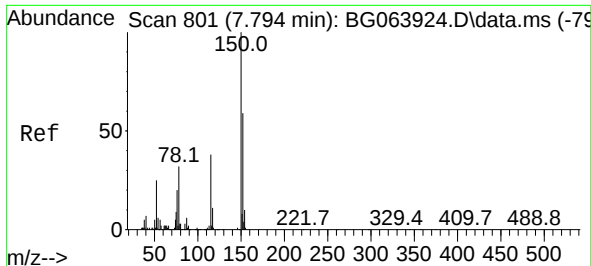
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.942	196	21375	3.379	ng	96
46) 1,1'-Biphenyl	13.247	154	88101	4.231	ng	95
47) 2-Chloronaphthalene	13.288	162	66023	3.857	ng	95
48) 2-Nitroaniline	13.500	65	17553	3.065	ng	95
49) Acenaphthylene	14.140	152	106233	4.189	ng	97
50) Dimethylphthalate	13.870	163	78829	3.783	ng	97
51) 2,6-Dinitrotoluene	13.993	165	15461	3.331	ng	# 81
52) Acenaphthene	14.481	154	57816	3.728	ng	90
53) 3-Nitroaniline	14.340	138	12021	2.823	ng	81
54) 2,4-Dinitrophenol	14.592	184	69	8.021	ng	# 55
55) Dibenzofuran	14.816	168	106839	3.969	ng	99
56) 4-Nitrophenol	14.692	139	3834	1.313	ng	# 86
57) 2,4-Dinitrotoluene	14.798	165	17750	2.724	ng	# 93
58) Fluorene	15.468	166	84143	4.023	ng	88
59) 2,3,4,6-Tetrachlorophenol	14.974	232	13030	2.334	ng	97
60) Diethylphthalate	15.239	149	75888	3.695	ng	96
61) 4-Chlorophenyl-phenyle...	15.462	204	42723	3.768	ng	95
62) 4-Nitroaniline	15.497	138	10625	2.401	ng	86
63) Azobenzene	15.756	77	92198	3.549	ng	96
65) 4,6-Dinitro-2-methylph...	15.580	198	4279	1.253	ng	95
66) n-Nitrosodiphenylamine	15.679	169	67301	3.946	ng	93
67) 4-Bromophenyl-phenylether	16.361	248	27230	3.761	ng	# 82
68) Hexachlorobenzene	16.484	284	30708	3.715	ng	96
69) Atrazine	16.631	200	24765	4.530	ng	89
70) Pentachlorophenol	16.849	266	3743	1.092	ng	# 67
71) Phenanthrene	17.213	178	141708	4.160	ng	98
72) Anthracene	17.307	178	132101	3.984	ng	98
73) Carbazole	17.583	167	115962	3.787	ng	97
74) Di-n-butylphthalate	18.141	149	121396	3.558	ng	98
75) Fluoranthene	19.240	202	167630	3.900	ng	100
77) Benzidine	19.428	184	25535	2.742	ng	# 95
78) Pyrene	19.604	202	181583	3.978	ng	97
80) Butylbenzylphthalate	20.497	149	41858	2.972	ng	99
81) Benzo(a)anthracene	21.408	228	174575	3.921	ng	99
82) 3,3'-Dichlorobenzidine	21.332	252	42858	3.099	ng	# 96
83) Chrysene	21.467	228	178831	4.137	ng	94
84) Bis(2-ethylhexyl)phtha...	21.320	149	68170	3.165	ng	# 97
85) Di-n-octyl phthalate	22.448	149	114049	3.040	ng	100
87) Indeno(1,2,3-cd)pyrene	27.812	276	178754	3.574	ng	# 78
88) Benzo(b)fluoranthene	23.476	252	162081	3.601	ng	99
89) Benzo(k)fluoranthene	23.541	252	169211	3.746	ng	96
90) Benzo(a)pyrene	24.281	252	158405	3.962	ng	94
91) Dibenzo(a,h)anthracene	27.859	278	135989	3.286	ng	99
92) Benzo(g,h,i)perylene	28.870	276	134365	3.156	ng	99

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

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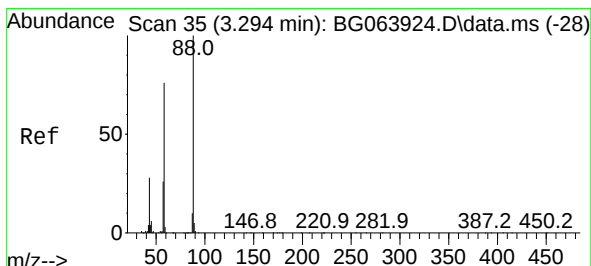
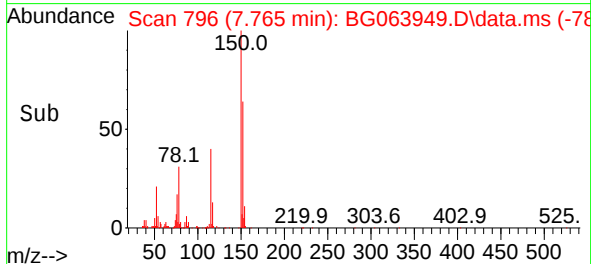
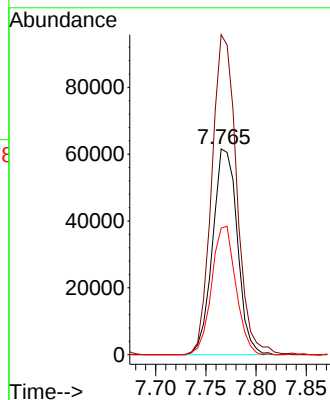
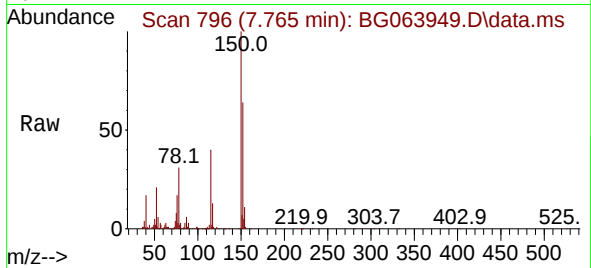




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.765 min Scan# 70
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

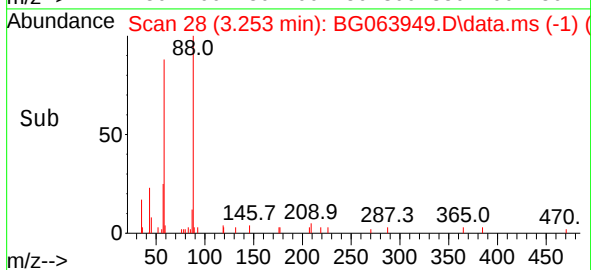
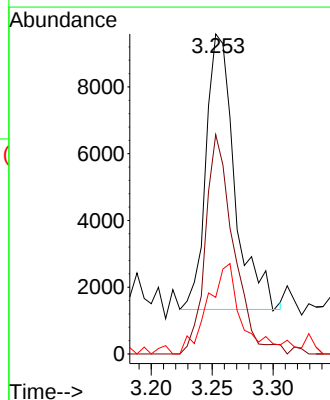
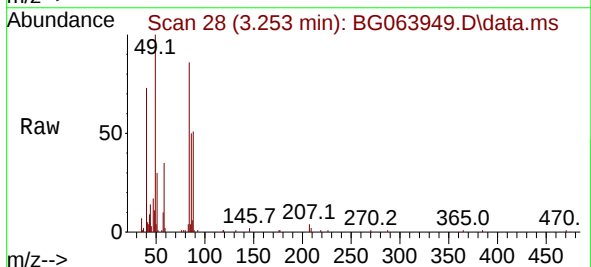
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

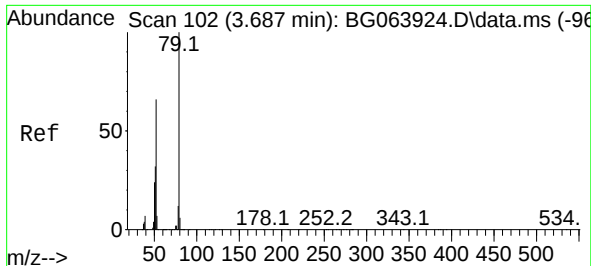
Tgt Ion:152 Resp: 105538
Ion Ratio Lower Upper
152 100
150 155.5 135.5 203.3
115 61.5 51.8 77.8



#2
1,4-Dioxane
Concen: 3.890 ng
RT: 3.253 min Scan# 28
Delta R.T. -0.041 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 88 Resp: 13547
Ion Ratio Lower Upper
88 100
58 78.1 58.4 87.6
43 40.3 22.1 33.1#

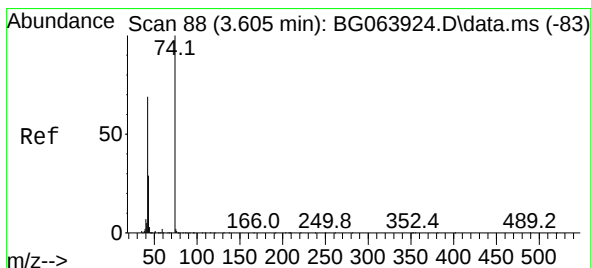
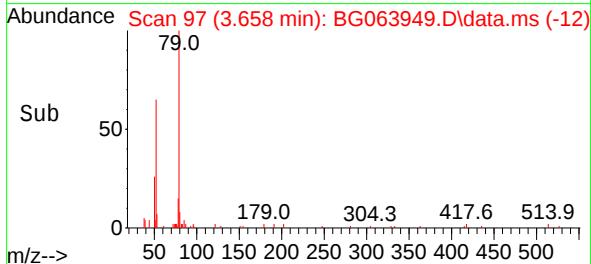
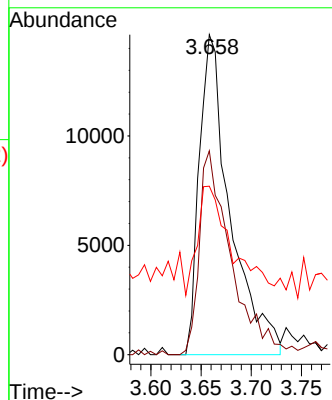
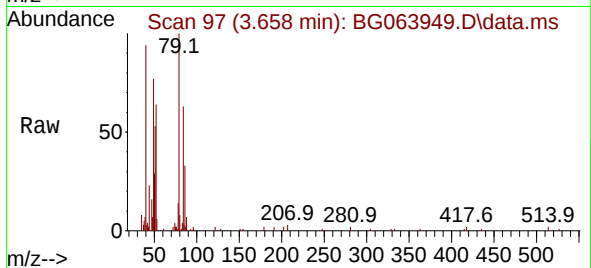




#3
Pyridine
Concen: 3.330 ng
RT: 3.658 min Scan# 91
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

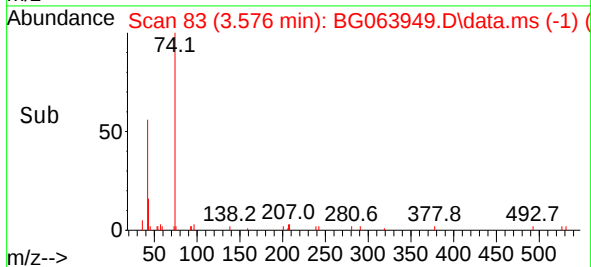
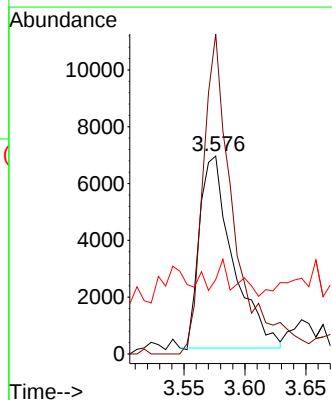
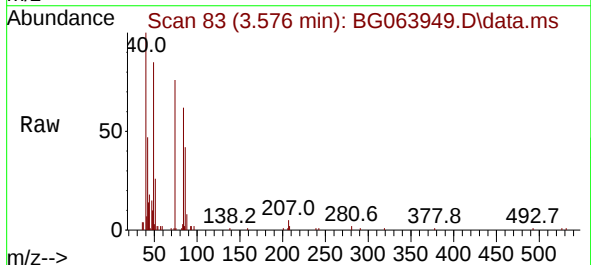
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

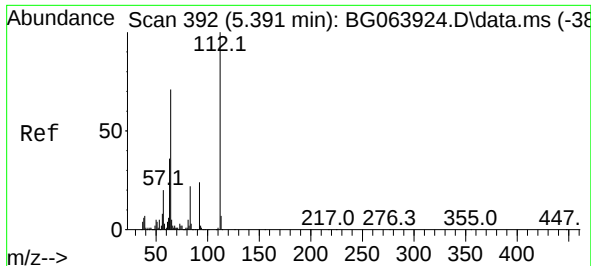
Tgt Ion: 79 Resp: 31238
Ion Ratio Lower Upper
79 100
52 63.7 53.1 79.7
51 52.6 26.2 39.4#



#4
n-Nitrosodimethylamine
Concen: 3.606 ng
RT: 3.576 min Scan# 83
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 42 Resp: 12929
Ion Ratio Lower Upper
42 100
74 161.7 116.6 175.0
44 37.6 10.4 15.6#

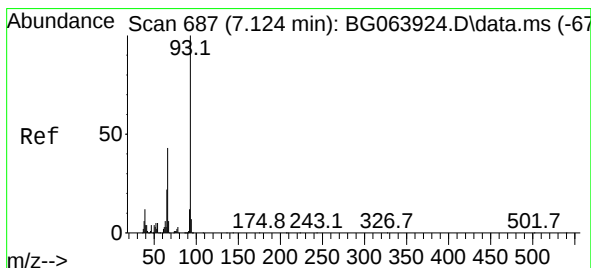
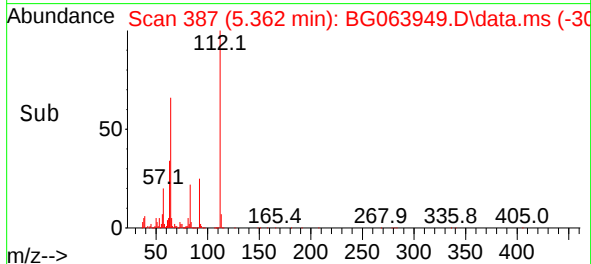
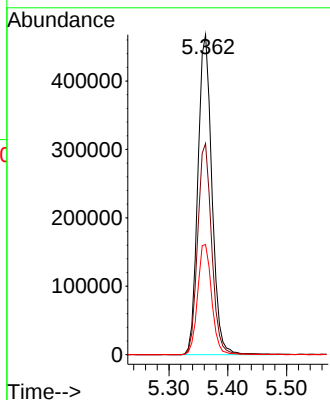
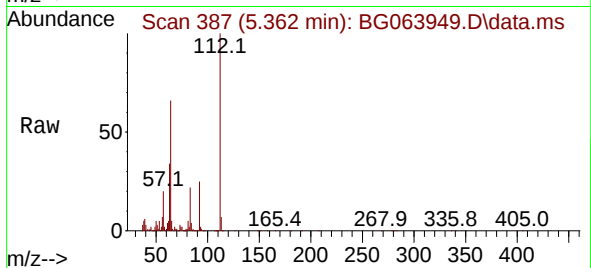




#5
2-Fluorophenol
Concen: 116.991 ng
RT: 5.362 min Scan# 387
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

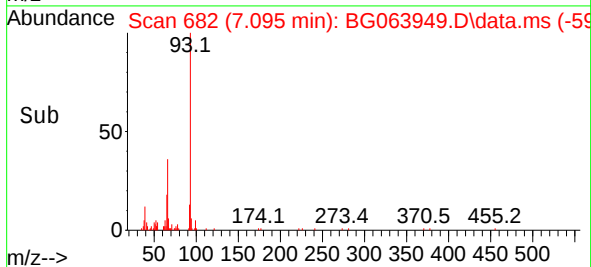
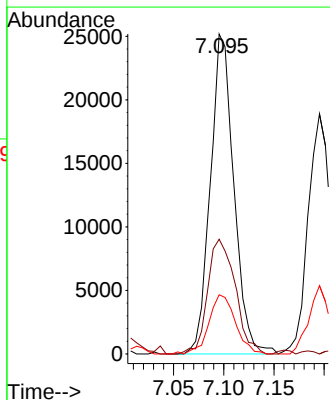
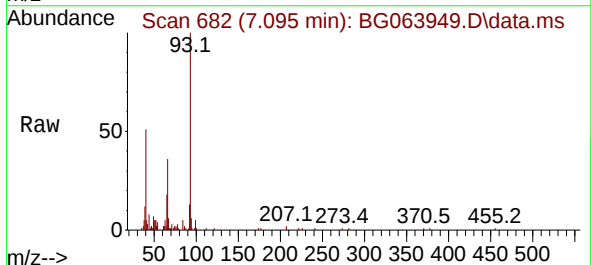
Instrument :
BNA_G
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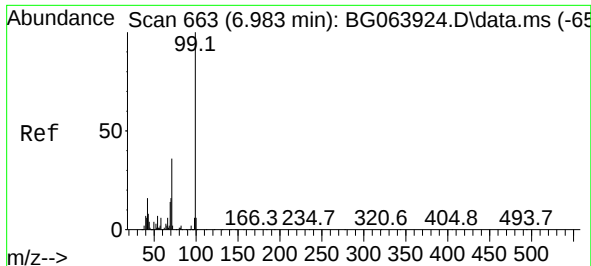
Tgt Ion:112 Resp: 774944
Ion Ratio Lower Upper
112 100
64 66.0 56.6 85.0
63 34.5 29.2 43.8



#6
Aniline
Concen: 4.931 ng
RT: 7.095 min Scan# 682
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 93 Resp: 41046
Ion Ratio Lower Upper
93 100
66 35.8 35.0 52.4
65 18.5 17.8 26.8





#7

Phenol-d6

Concen: 116.196 ng

RT: 6.954 min Scan# 61

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

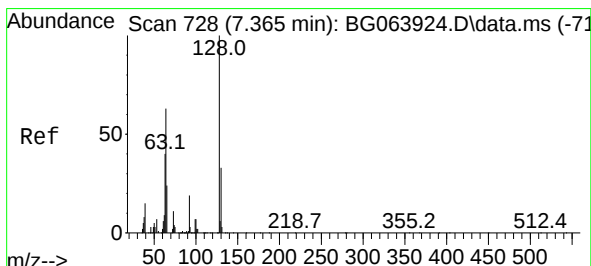
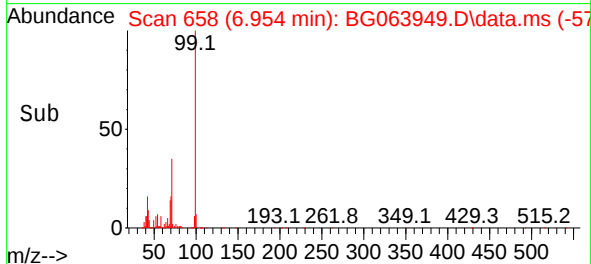
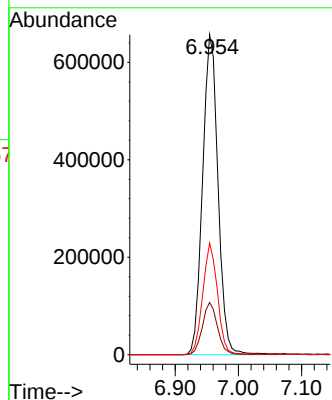
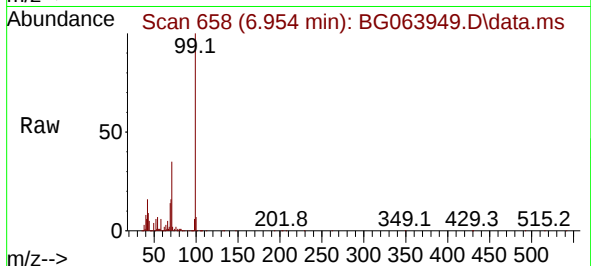
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 99 Resp: 1113480

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.0	19.6
71	34.9	28.5	42.7



#8

2-Chlorophenol

Concen: 3.926 ng

RT: 7.336 min Scan# 723

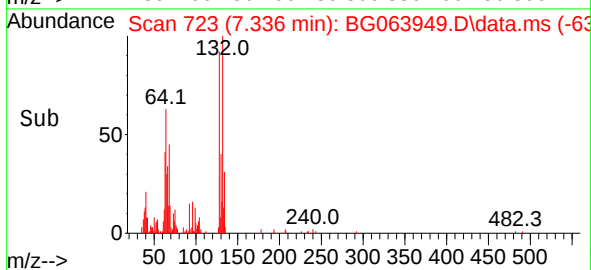
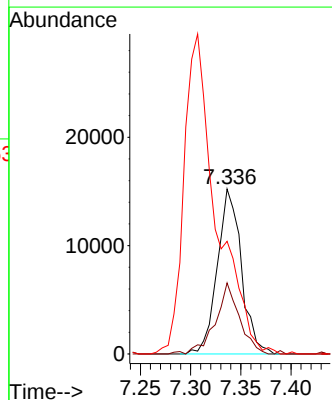
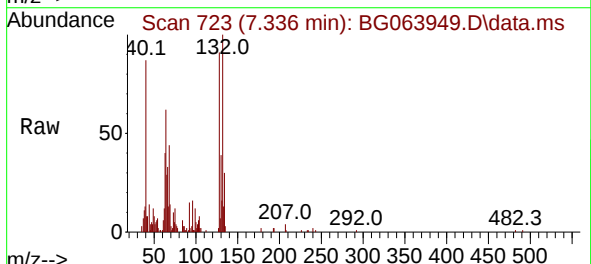
Delta R.T. -0.029 min

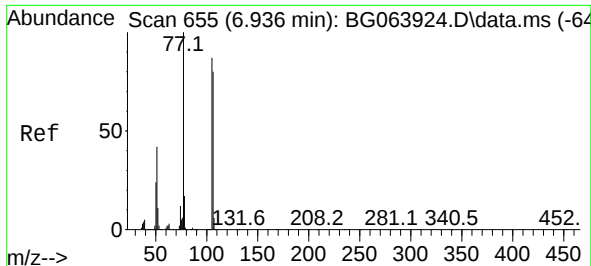
Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:128 Resp: 25281

Ion	Ratio	Lower	Upper
128	100		
130	43.1	13.4	53.4
64	68.3	44.6	84.6

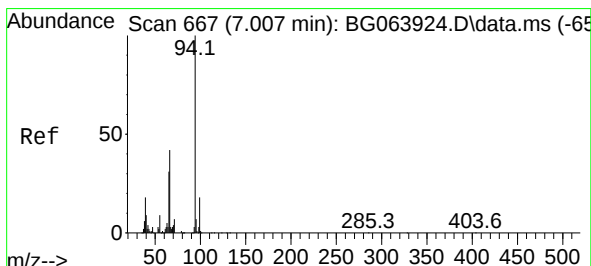
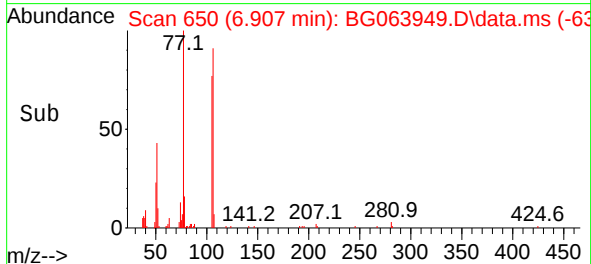
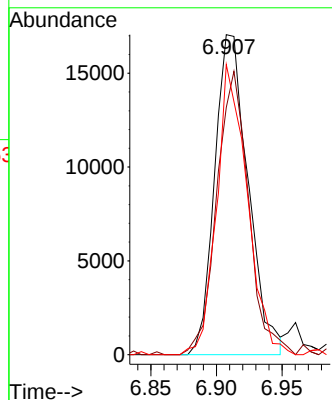
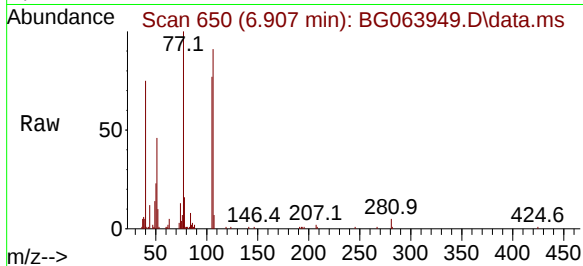




#9
Benzaldehyde
Concen: 4.948 ng
RT: 6.907 min Scan# 610
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

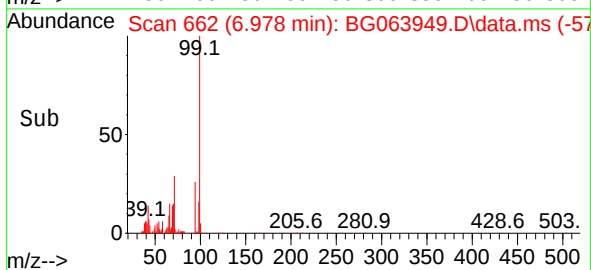
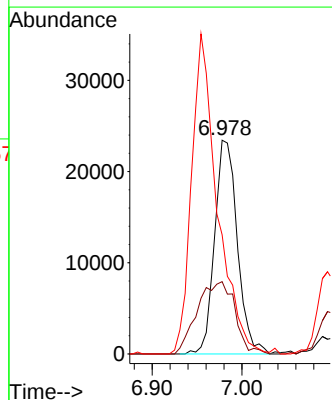
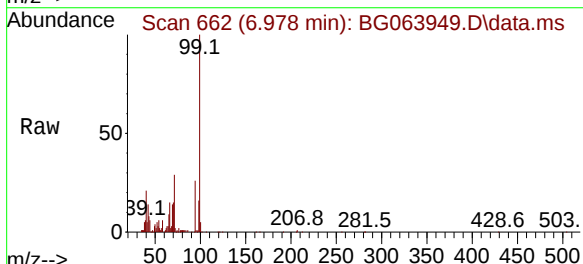
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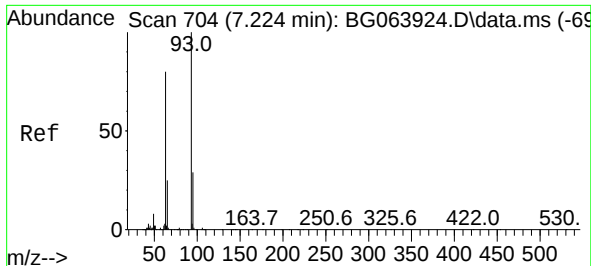
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Ion Ratio Lower Upper
77 100
105 77.2 66.5 106.5
106 90.7 60.1 100.1



#10
Phenol
Concen: 4.135 ng
RT: 6.978 min Scan# 662
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 94 Resp: 41259
Ion Ratio Lower Upper
94 100
65 33.8 11.5 51.5
66 55.8 21.9 61.9

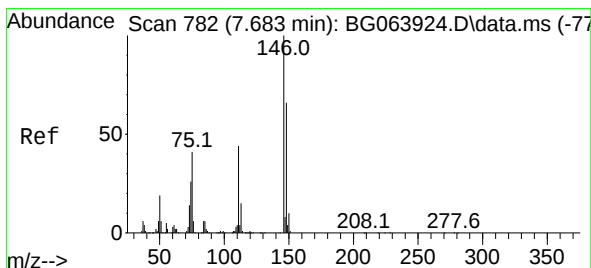
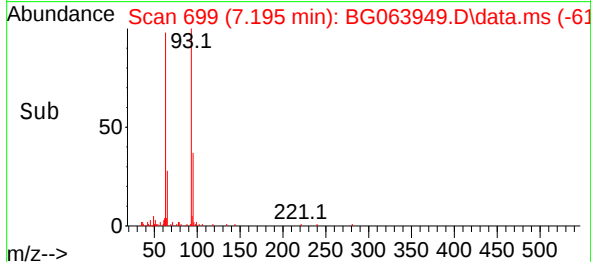
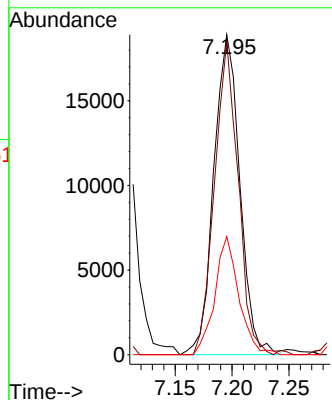
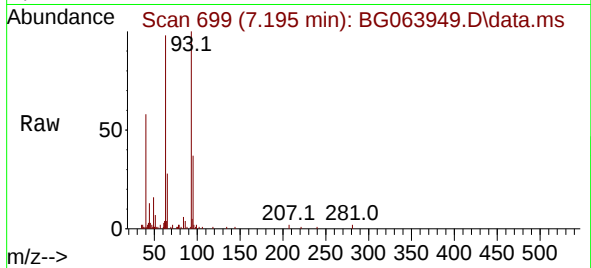




#11
bis(2-Chloroethyl)ether
Concen: 3.846 ng
RT: 7.195 min Scan# 61
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

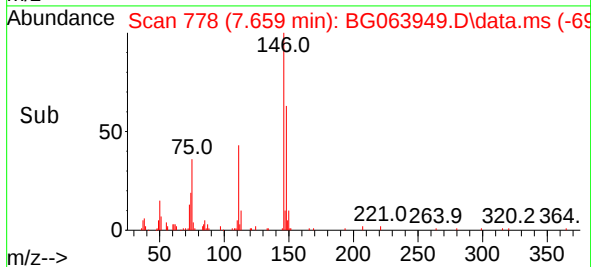
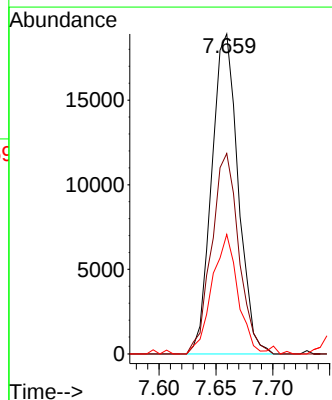
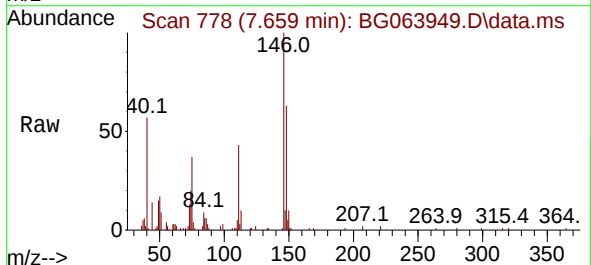
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

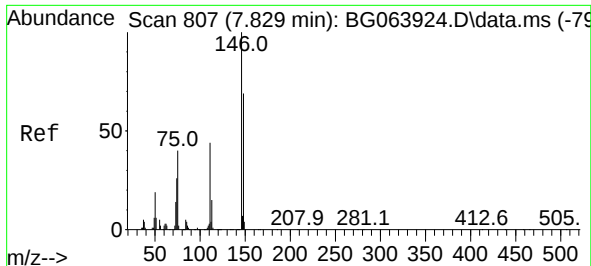
Tgt Ion: 93 Resp: 30085
Ion Ratio Lower Upper
93 100
63 97.9 59.6 99.6
95 36.9 9.3 49.3



#12
1,3-Dichlorobenzene
Concen: 3.940 ng
RT: 7.659 min Scan# 778
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:146 Resp: 30583
Ion Ratio Lower Upper
146 100
148 62.6 52.6 78.8
75 37.3 32.6 48.8

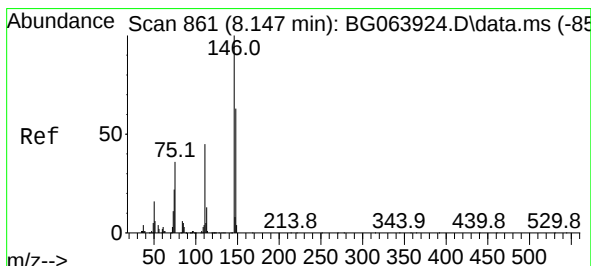
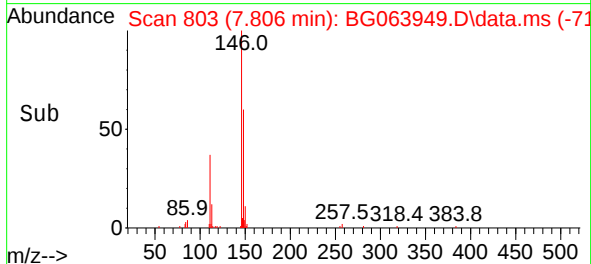
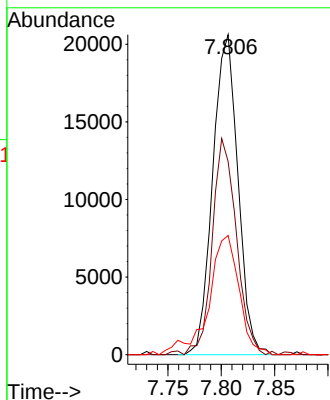
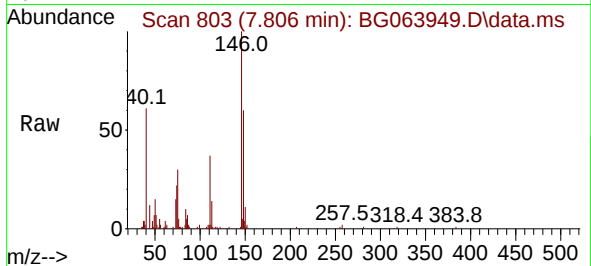




#13
1,4-Dichlorobenzene
Concen: 4.352 ng
RT: 7.806 min Scan# 807
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

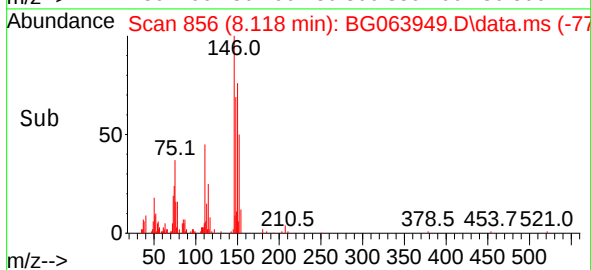
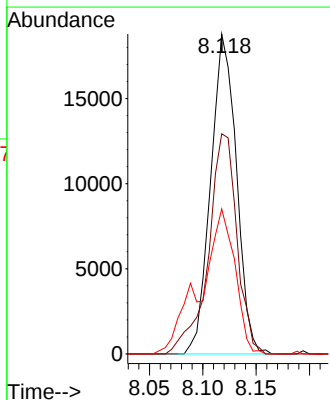
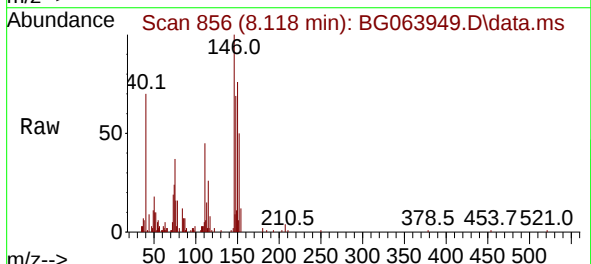
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

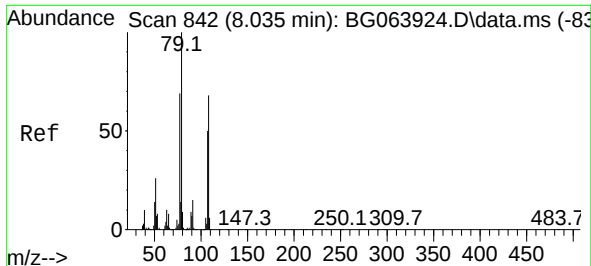
Tgt Ion:146 Resp: 33766
Ion Ratio Lower Upper
146 100
148 60.4 55.4 83.0
111 37.3 35.8 53.8



#14
1,2-Dichlorobenzene
Concen: 4.121 ng
RT: 8.118 min Scan# 856
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:146 Resp: 31465
Ion Ratio Lower Upper
146 100
148 68.8 50.7 76.1
111 45.3 36.1 54.1

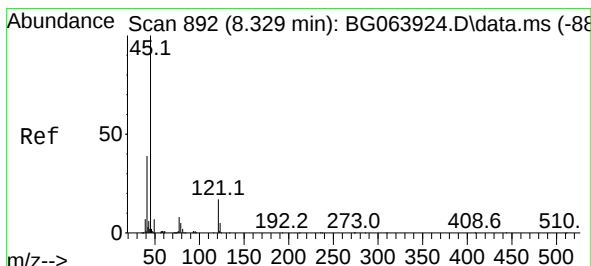
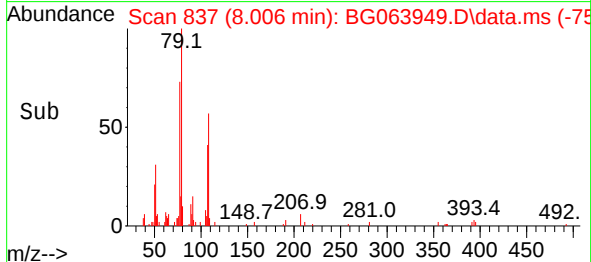
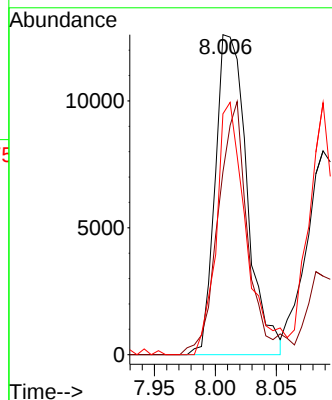
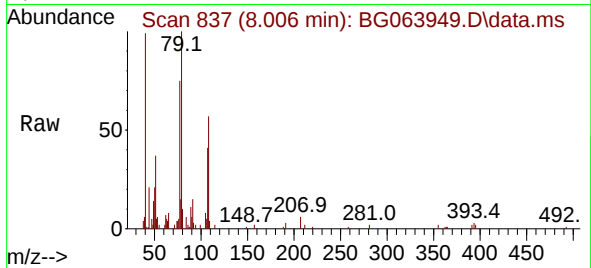




#15
Benzyl Alcohol
Concen: 3.330 ng
RT: 8.006 min Scan# 841
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

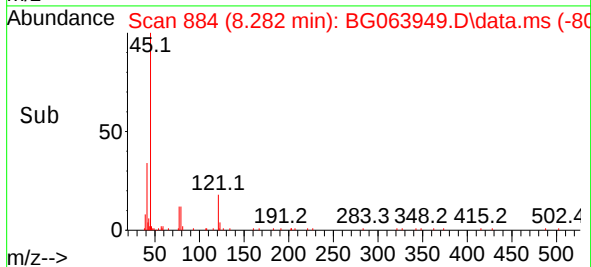
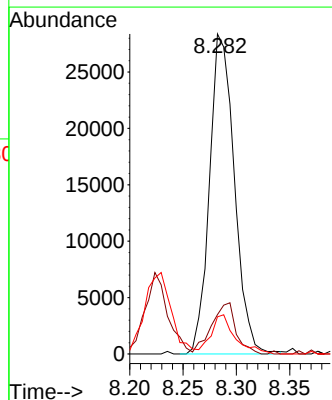
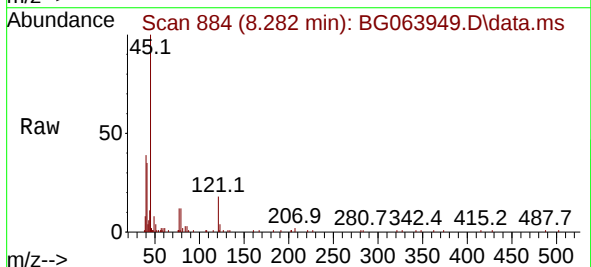
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

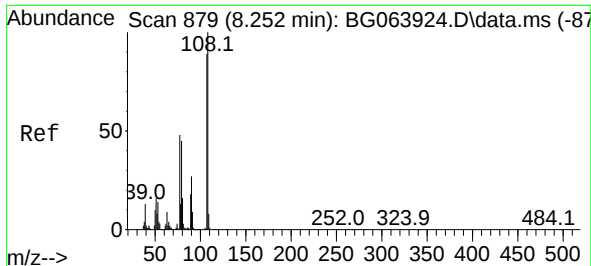
Tgt Ion: 79 Resp: 22897
Ion Ratio Lower Upper
79 100
108 57.1 54.6 81.8
77 75.2 55.6 83.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.093 ng
RT: 8.282 min Scan# 884
Delta R.T. -0.047 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 45 Resp: 46086
Ion Ratio Lower Upper
45 100
77 12.3 0.0 34.7
79 11.6 0.0 32.1

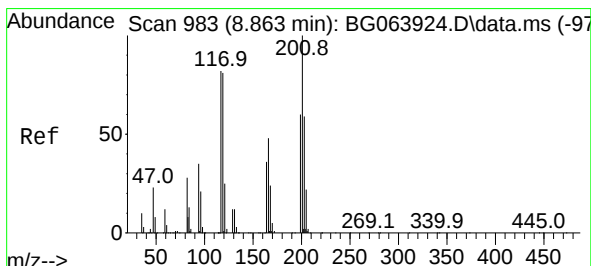
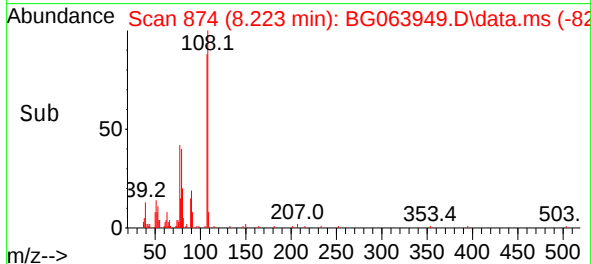
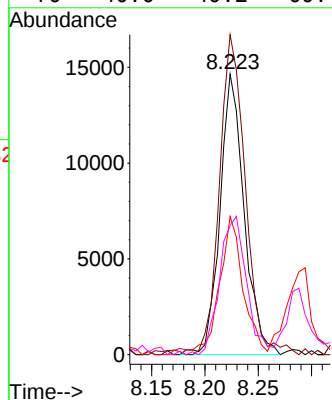
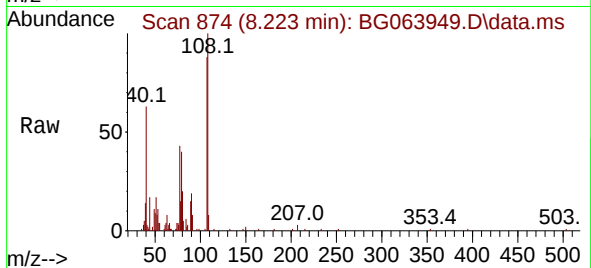




#17
2-Methylphenol
Concen: 3.554 ng
RT: 8.223 min Scan# 81
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

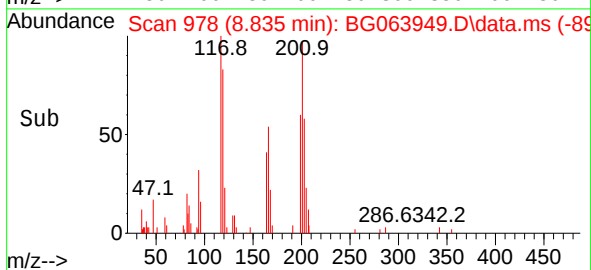
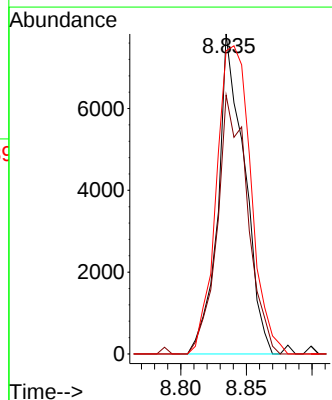
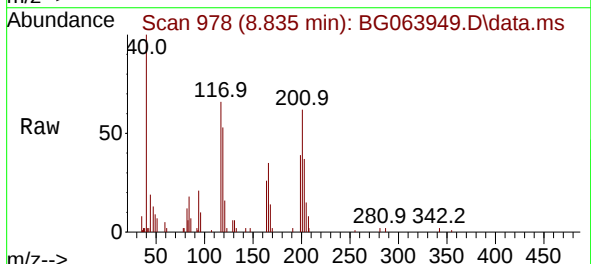
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

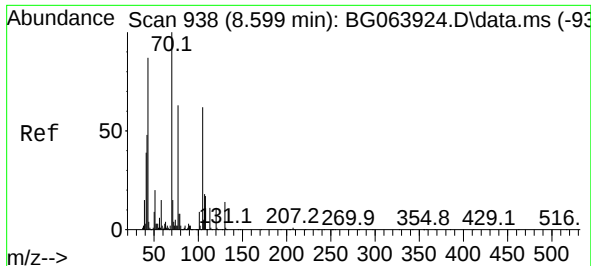
Tgt Ion:	107	Resp:	23020
Ion Ratio	Lower	Upper	
107	100		
108	114.1	89.5	134.3
77	49.3	43.4	65.2
79	46.0	40.2	60.4



#18
Hexachloroethane
Concen: 3.654 ng
RT: 8.835 min Scan# 978
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:	117	Resp:	10995
Ion Ratio	Lower	Upper	
117	100		
119	80.9	79.7	119.5
201	94.7	97.8	146.8

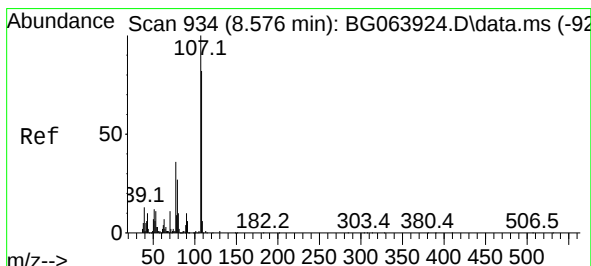
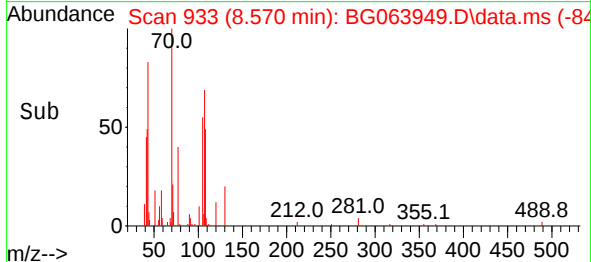
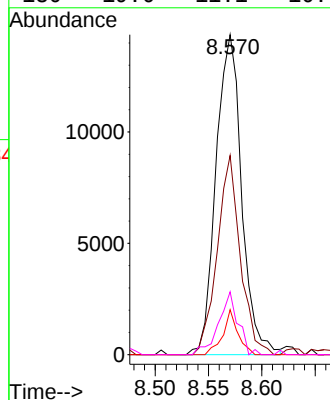
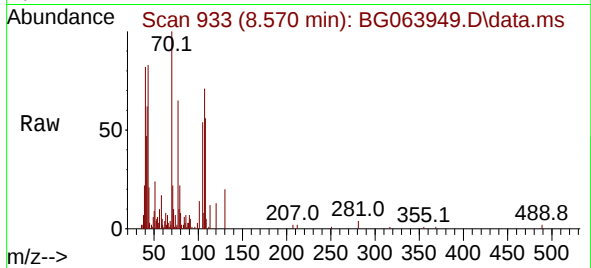




#19
n-Nitroso-di-n-propylamine
Concen: 3.432 ng
RT: 8.570 min Scan# 91
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

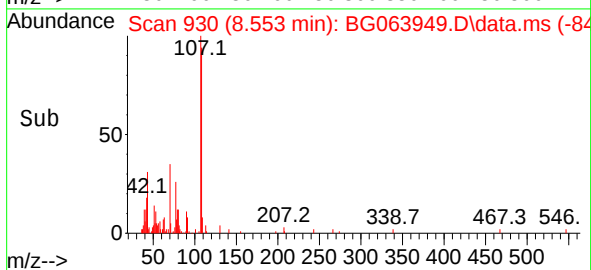
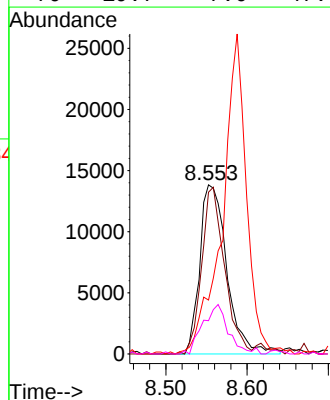
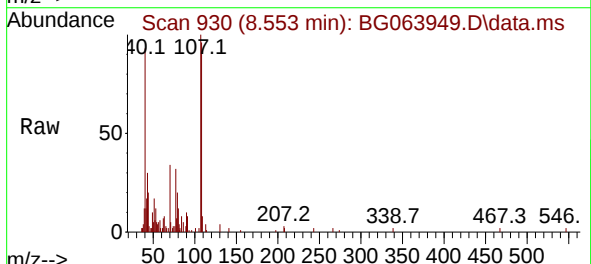
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

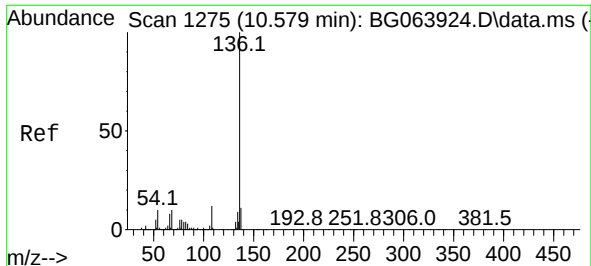
Tgt Ion: 70 Resp: 24020
Ion Ratio Lower Upper
70 100
42 62.2 39.0 58.4#
101 14.1 7.0 10.4#
130 19.6 11.1 16.7#



#20
3+4-Methylphenols
Concen: 3.682 ng
RT: 8.553 min Scan# 930
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:107 Resp: 32075
Ion Ratio Lower Upper
107 100
108 95.6 62.4 102.4
77 31.9 16.3 56.3
79 19.7 7.0 47.0

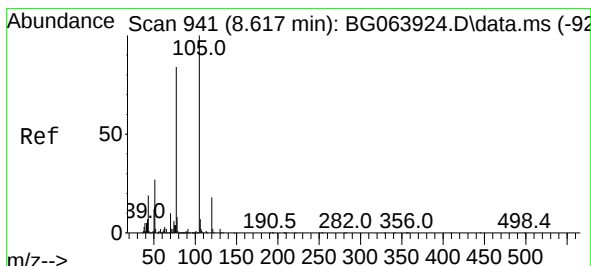
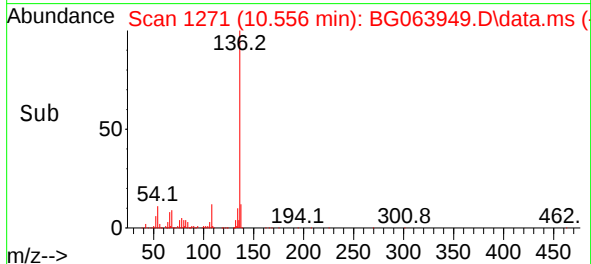
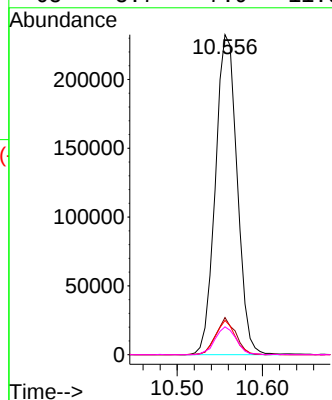
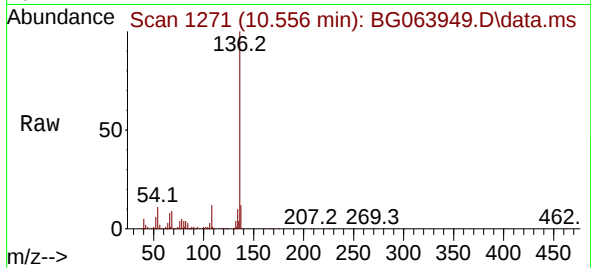




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.556 min Scan# 11
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

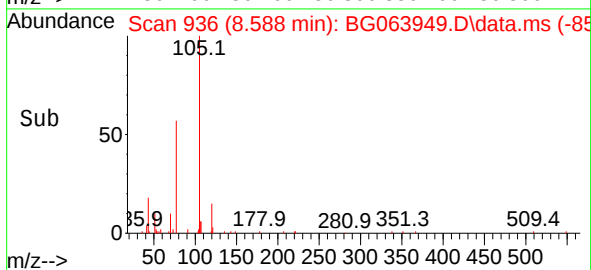
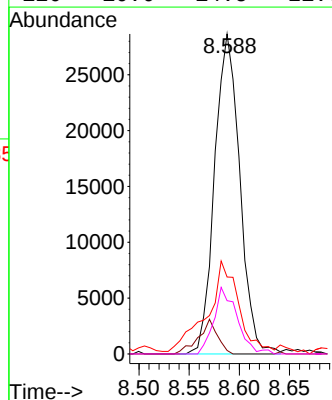
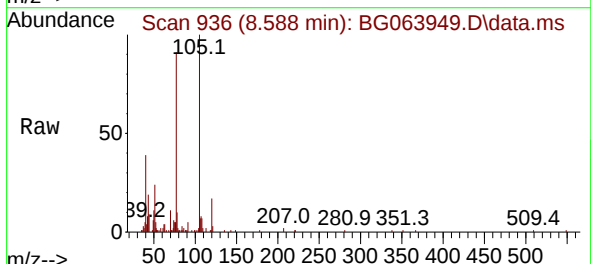
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

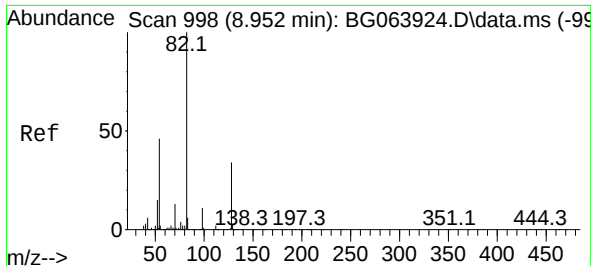
Tgt Ion:	136	Resp:	412031
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	10.7	8.0	12.0
68	8.7	7.9	11.9



#22
Acetophenone
Concen: 4.037 ng
RT: 8.588 min Scan# 936
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:	105	Resp:	49953
Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.5	2.3#
51	24.1	21.8	32.8
120	16.6	14.5	21.7

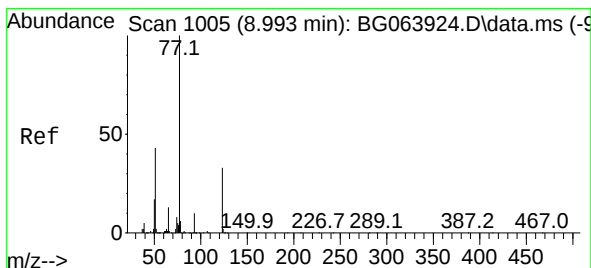
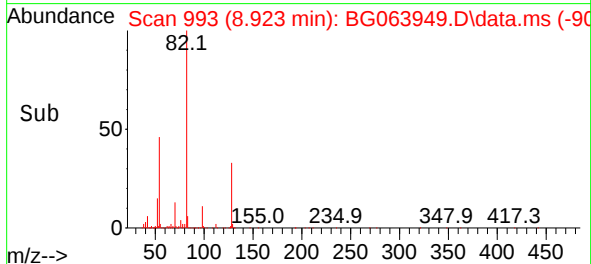
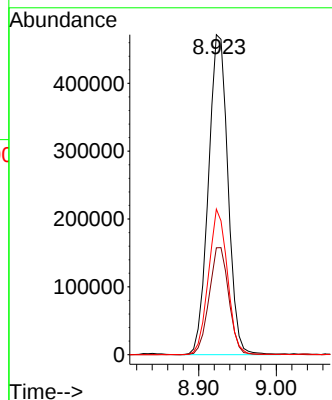
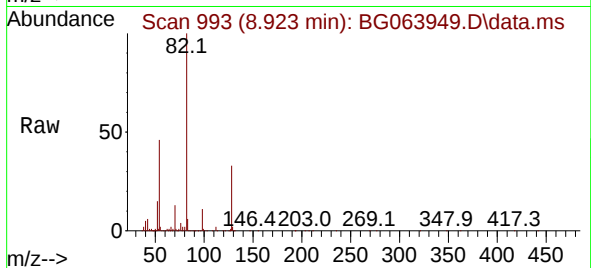




#23
Nitrobenzene-d5
Concen: 78.981 ng
RT: 8.923 min Scan# 90
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

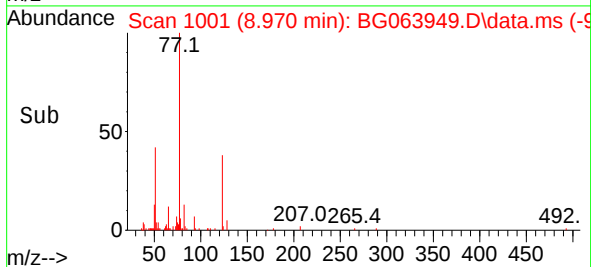
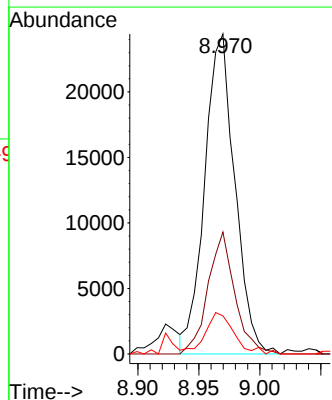
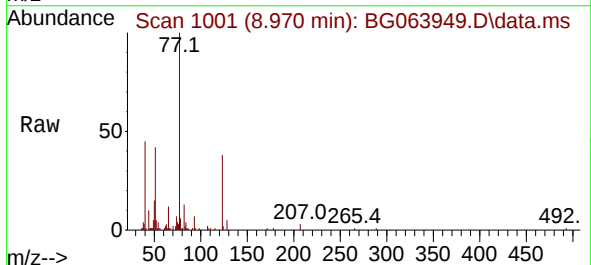
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

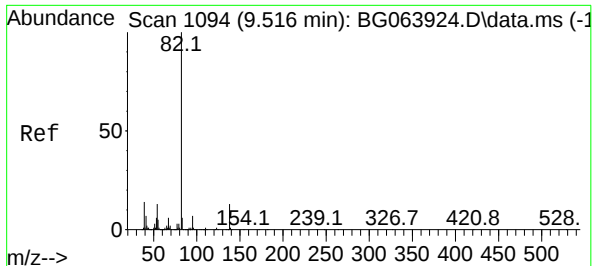
Tgt Ion: 82 Resp: 826142
Ion Ratio Lower Upper
82 100
128 33.4 26.9 40.3
54 45.5 36.7 55.1



#24
Nitrobenzene
Concen: 3.737 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 77 Resp: 41968
Ion Ratio Lower Upper
77 100
123 38.1 26.5 39.7
65 11.9 10.2 15.4

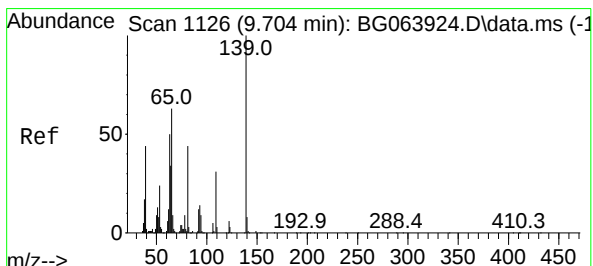
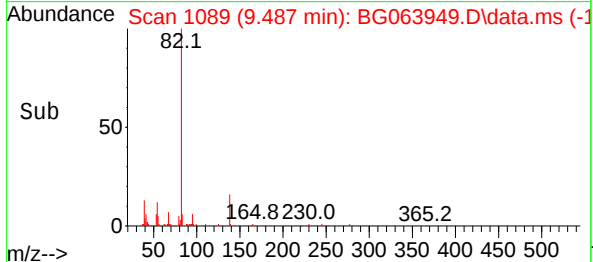
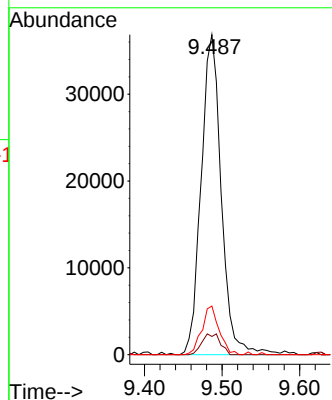
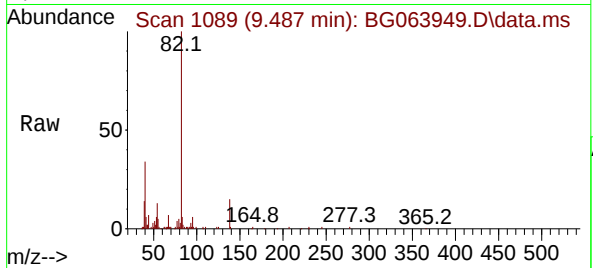




#25
Isophorone
Concen: 3.609 ng
RT: 9.487 min Scan# 1089
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

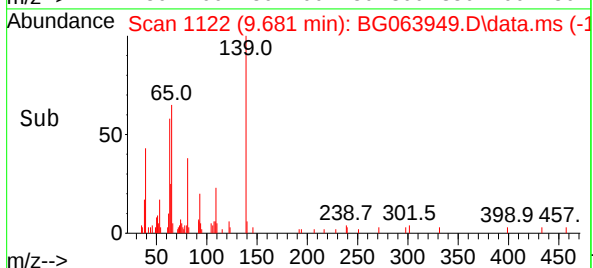
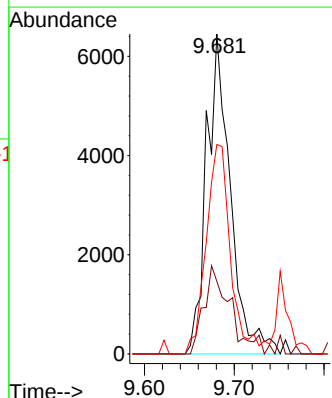
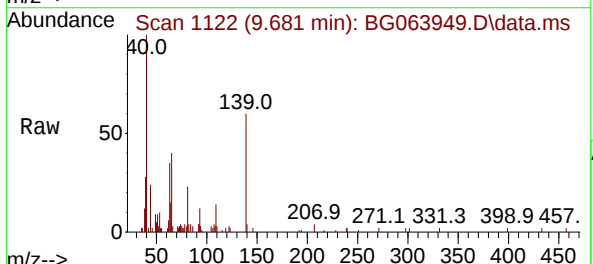
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

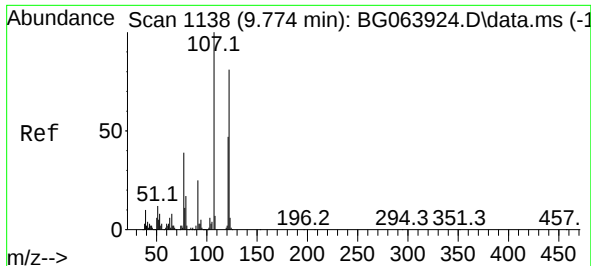
Tgt Ion: 82 Resp: 66526
Ion Ratio Lower Upper
82 100
95 5.7 5.2 7.8
138 15.2 10.6 16.0



#26
2-Nitrophenol
Concen: 3.343 ng
RT: 9.681 min Scan# 1122
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 139 Resp: 11915
Ion Ratio Lower Upper
139 100
109 22.7 25.0 37.4#
65 65.5 51.1 76.7





#27

2,4-Dimethylphenol

Concen: 2.527 ng

RT: 9.751 min Scan# 1134

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

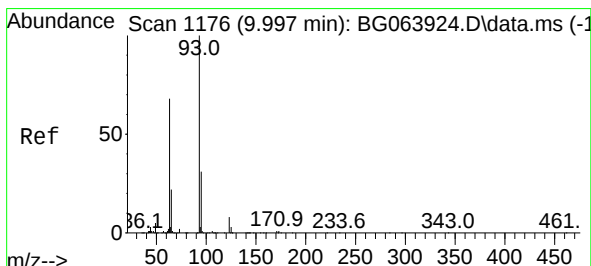
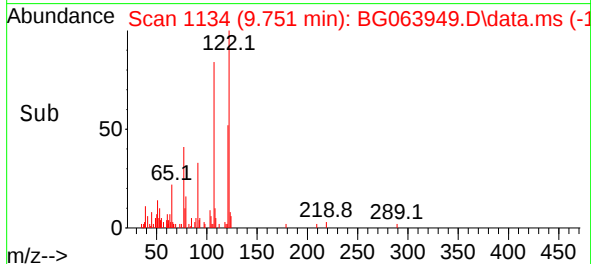
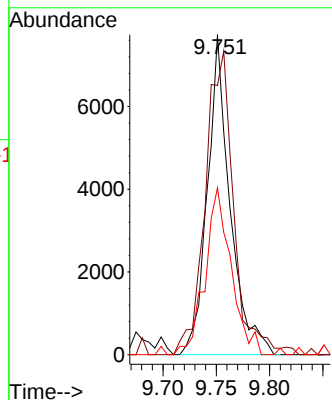
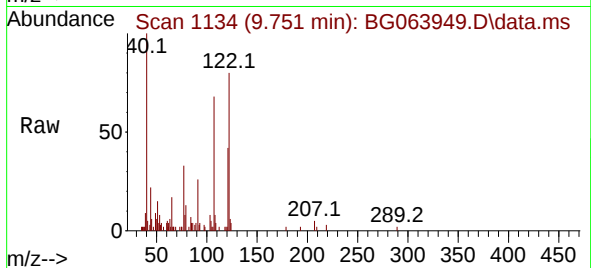
Tgt Ion:122 Resp: 11484

Ion Ratio Lower Upper

122 100

107 84.2 99.0 148.4#

121 52.1 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 3.545 ng

RT: 9.974 min Scan# 1172

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

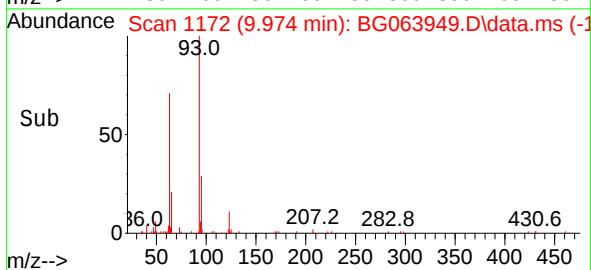
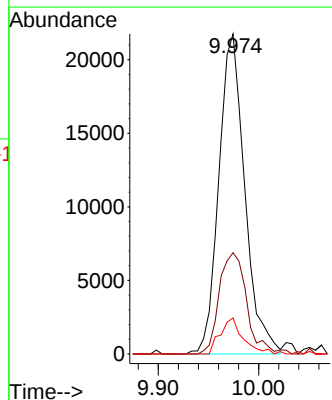
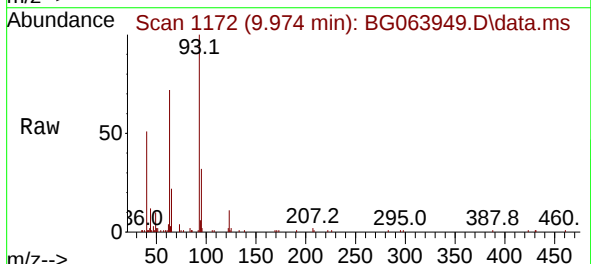
Tgt Ion: 93 Resp: 38972

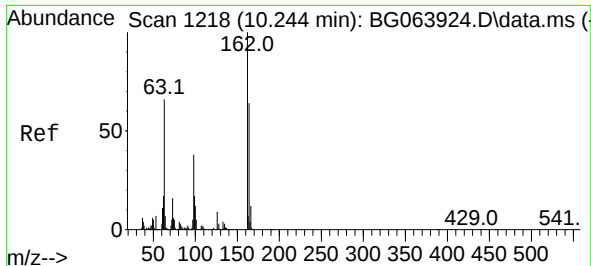
Ion Ratio Lower Upper

93 100

95 31.7 25.0 37.6

123 11.2 6.9 10.3#





#29

2,4-Dichlorophenol

Concen: 3.398 ng

RT: 10.233 min Scan# 1216

Delta R.T. -0.011 min

Lab File: BG063949.D

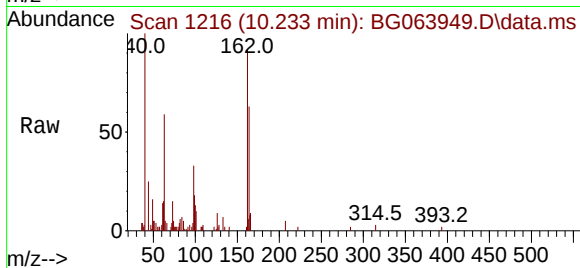
Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



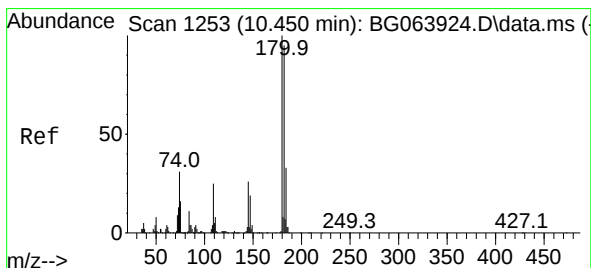
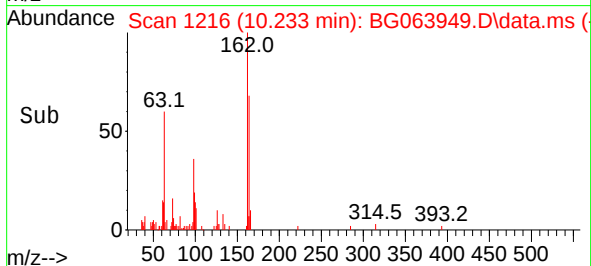
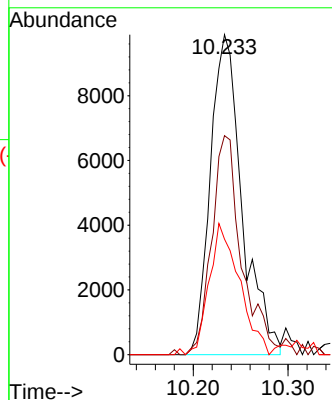
Tgt Ion:162 Resp: 23072

Ion Ratio Lower Upper

162 100

164 68.4 44.4 84.4

98 36.1 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 3.919 ng

RT: 10.421 min Scan# 1248

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

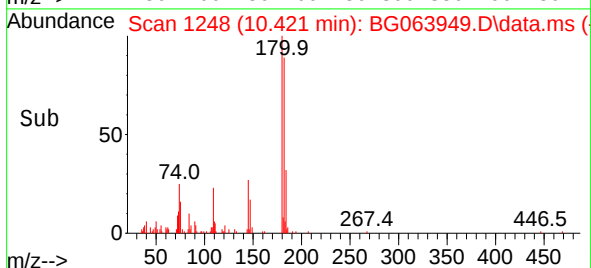
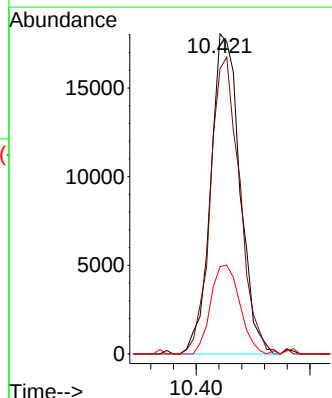
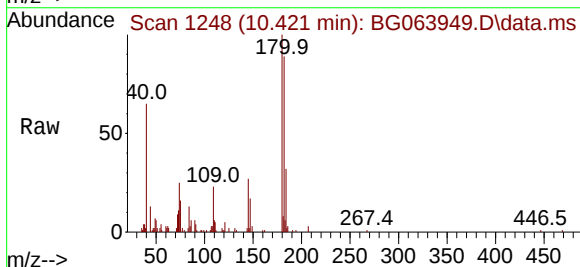
Tgt Ion:180 Resp: 32185

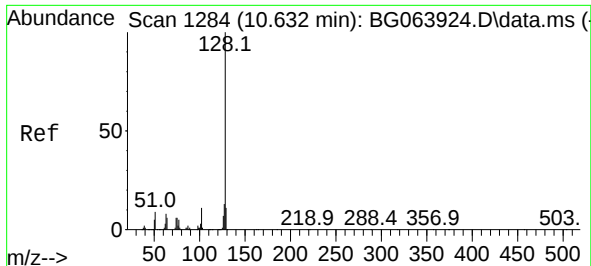
Ion Ratio Lower Upper

180 100

182 89.2 75.8 113.6

145 27.3 20.8 31.2

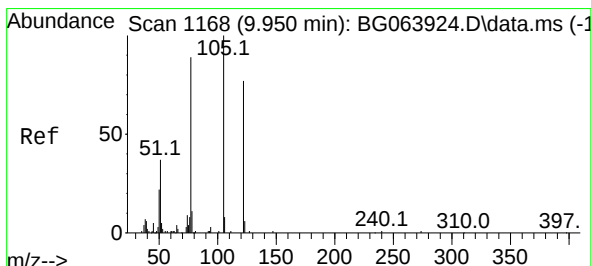
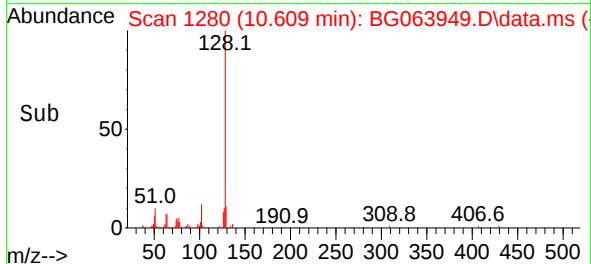
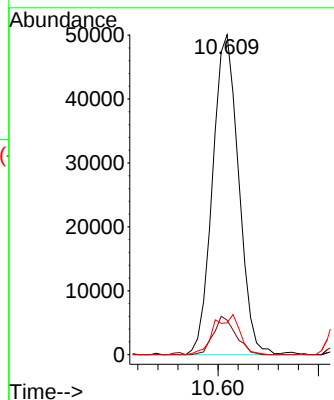
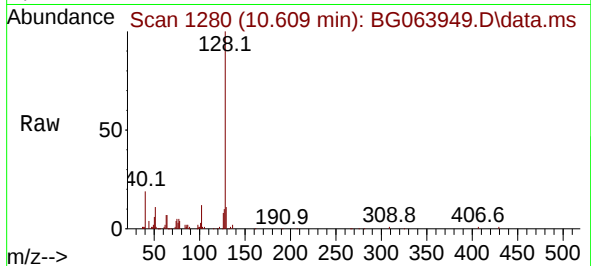




#31
Naphthalene
Concen: 4.038 ng
RT: 10.609 min Scan# 1134
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

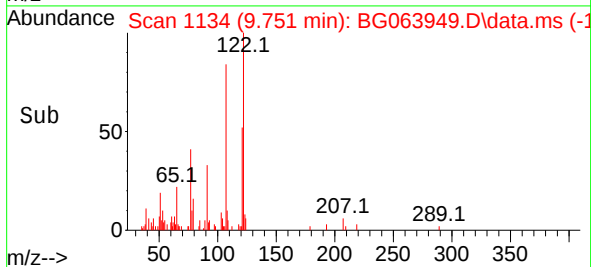
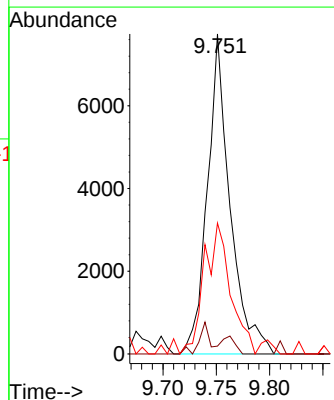
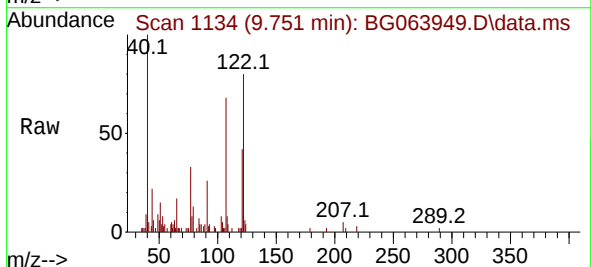
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

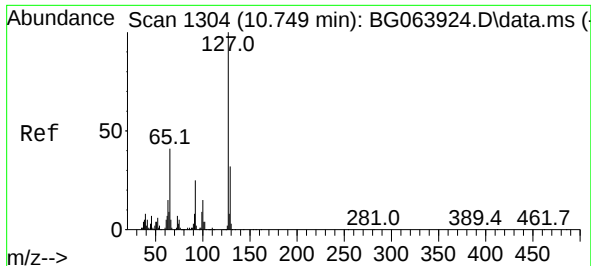
Tgt Ion:128 Resp: 90203
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 10.0 10.2 15.4#



#32
Benzoic acid
Concen: 3.778 ng
RT: 9.751 min Scan# 1134
Delta R.T. -0.199 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:122 Resp: 11484
Ion Ratio Lower Upper
122 100
105 2.5 109.7 149.7#
77 40.9 96.0 136.0#





#33

4-Chloroaniline

Concen: 3.915 ng

RT: 10.738 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:127 Resp: 28388

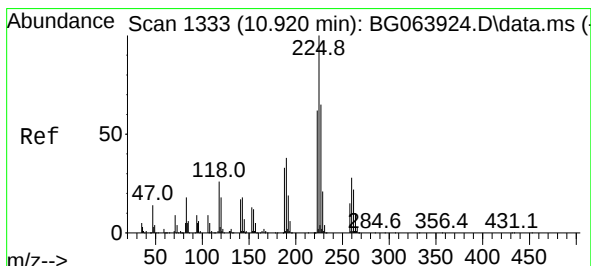
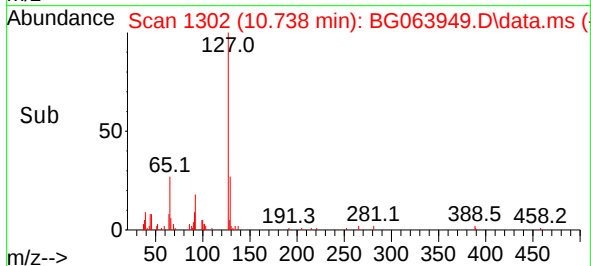
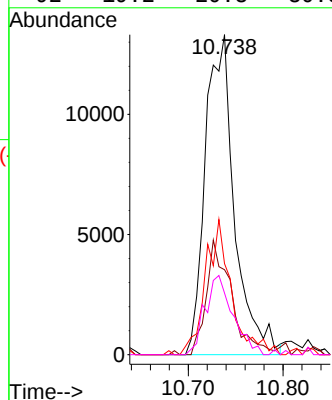
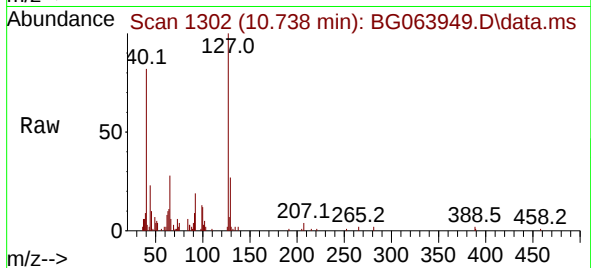
Ion Ratio Lower Upper

127 100

129 26.6 25.4 38.0

65 28.5 32.6 48.8#

92 19.2 20.3 30.5#



#34

Hexachlorobutadiene

Concen: 3.426 ng

RT: 10.891 min Scan# 1328

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

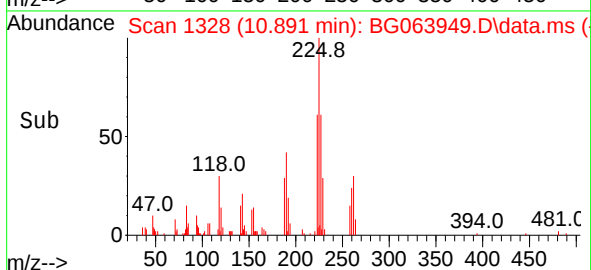
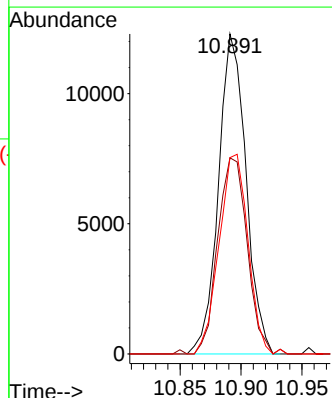
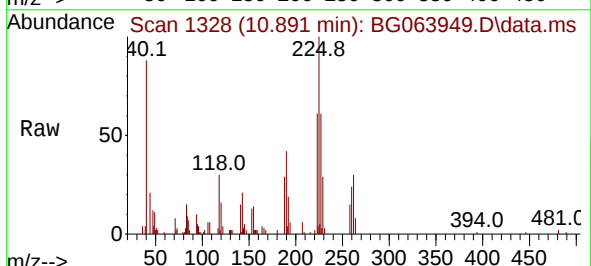
Tgt Ion:225 Resp: 19289

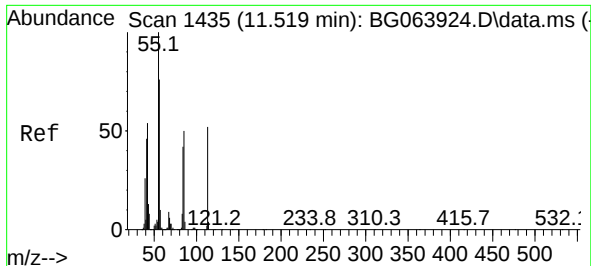
Ion Ratio Lower Upper

225 100

223 58.2 49.5 74.3

227 61.0 51.6 77.4

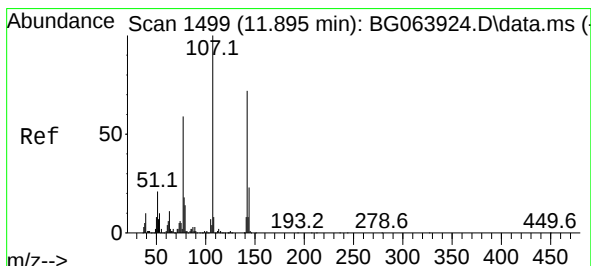
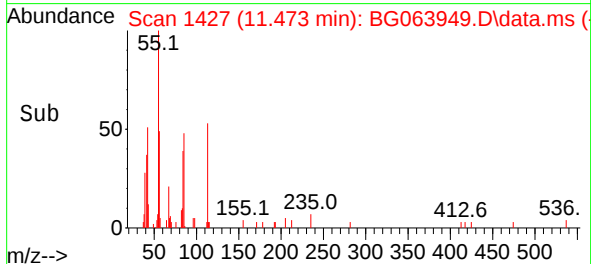
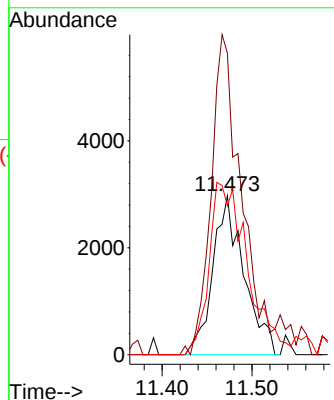
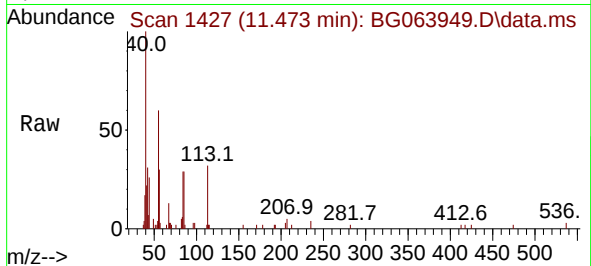




#35
Caprolactam
Concen: 3.201 ng
RT: 11.473 min Scan# 1427
Delta R.T. -0.047 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

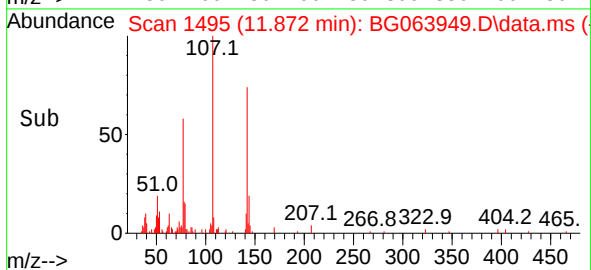
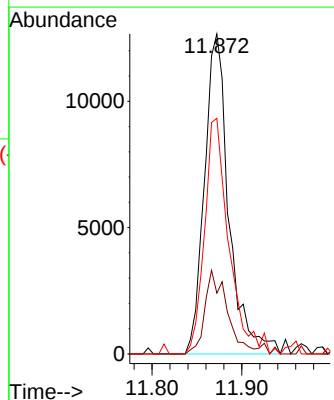
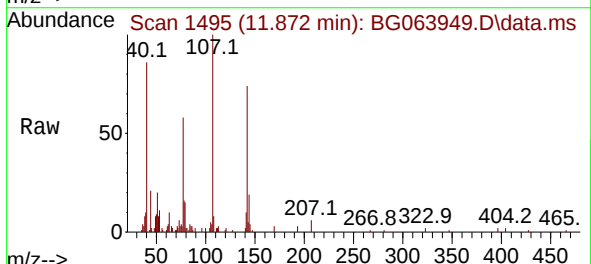
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

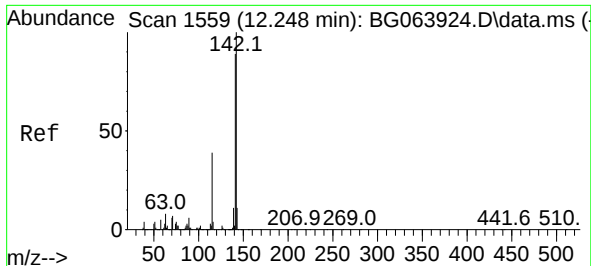
Tgt Ion:113 Resp: 7176
Ion Ratio Lower Upper
113 100
55 189.7 173.7 213.7
56 93.6 127.5 167.5#



#36
4-Chloro-3-methylphenol
Concen: 3.173 ng
RT: 11.872 min Scan# 1495
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:107 Resp: 23915
Ion Ratio Lower Upper
107 100
144 19.0 18.7 28.1
142 73.6 57.5 86.3

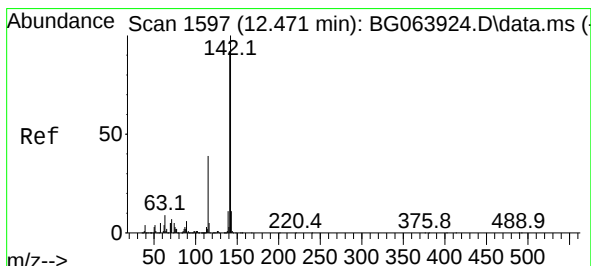
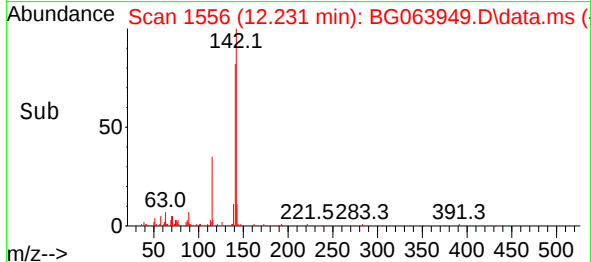
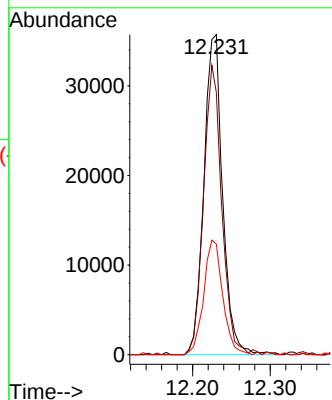
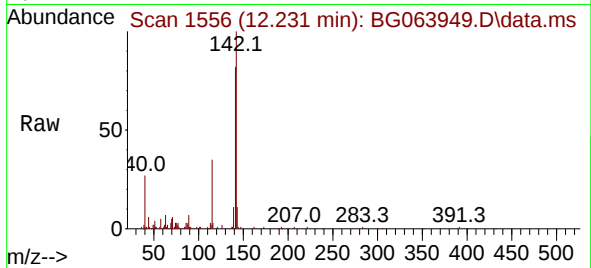




#37
2-Methylnaphthalene
Concen: 3.811 ng
RT: 12.231 min Scan# 1556
Delta R.T. -0.017 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

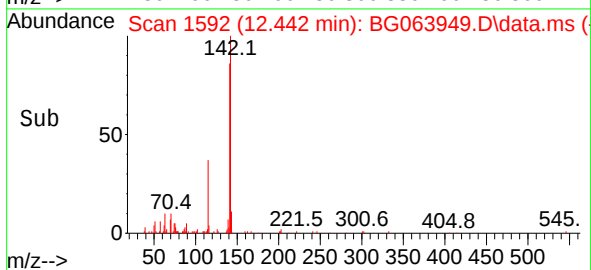
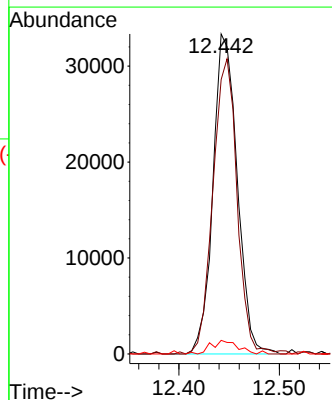
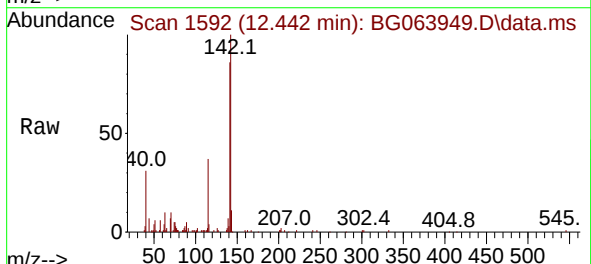
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

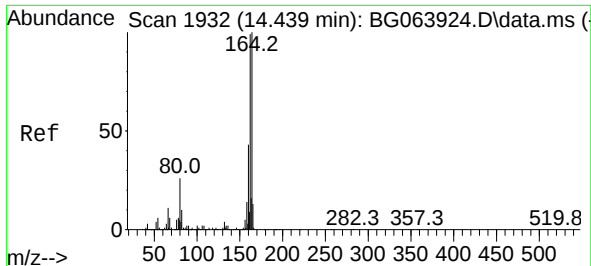
Tgt Ion:142 Resp: 59815
Ion Ratio Lower Upper
142 100
141 81.9 70.8 106.2
115 34.5 31.2 46.8



#38
1-Methylnaphthalene
Concen: 3.589 ng
RT: 12.442 min Scan# 1592
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:142 Resp: 56030
Ion Ratio Lower Upper
142 100
141 85.8 73.4 110.2
116 4.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG063949.D

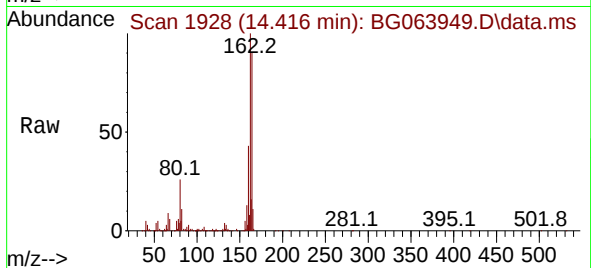
Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



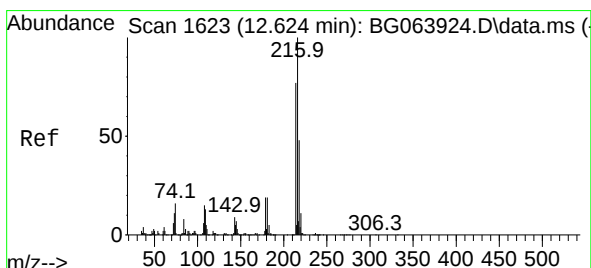
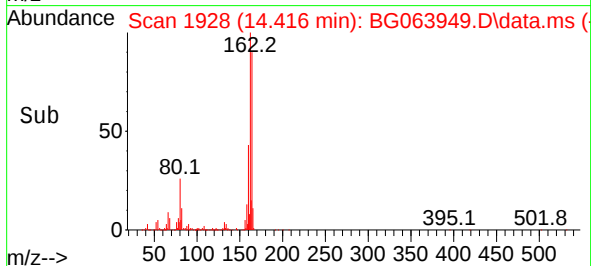
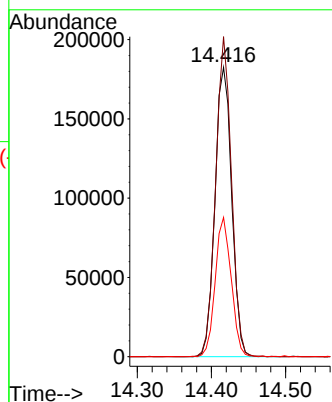
Tgt Ion:164 Resp: 285267

Ion Ratio Lower Upper

164 100

162 110.6 79.1 118.7

160 48.1 34.6 52.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.959 ng

RT: 12.607 min Scan# 1620

Delta R.T. -0.017 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:216 Resp: 37892

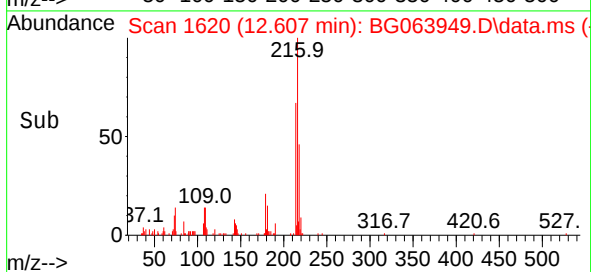
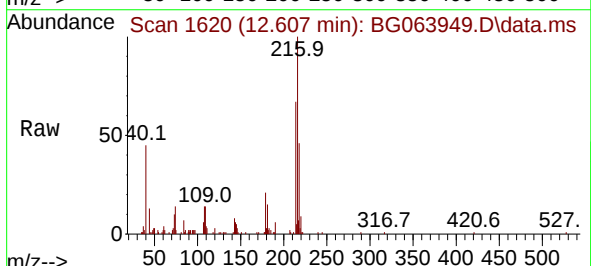
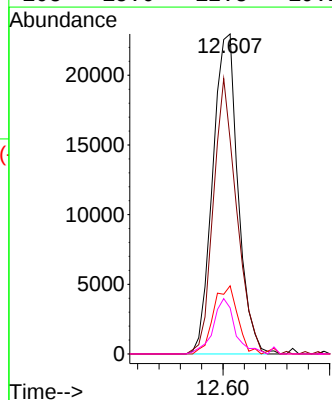
Ion Ratio Lower Upper

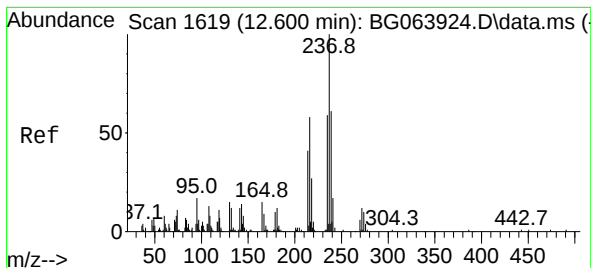
216 100

214 78.6 61.8 92.8

179 20.3 15.5 23.3

108 15.0 12.8 19.2





#41

Hexachlorocyclopentadiene

Concen: 11.472 ng

RT: 12.577 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

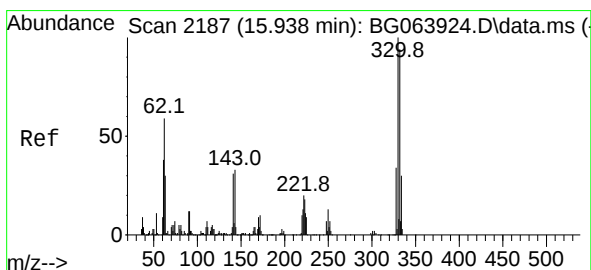
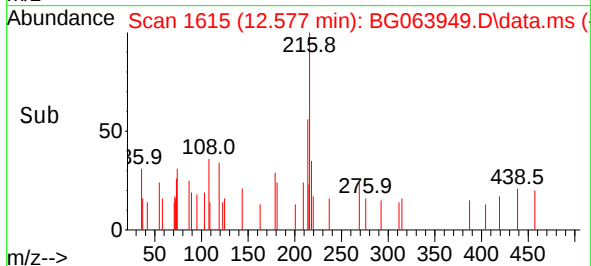
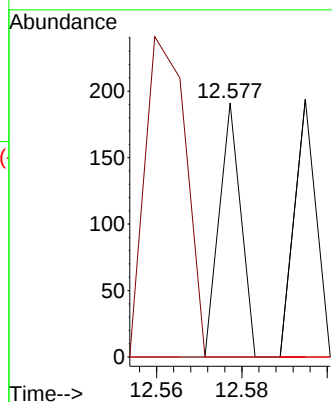
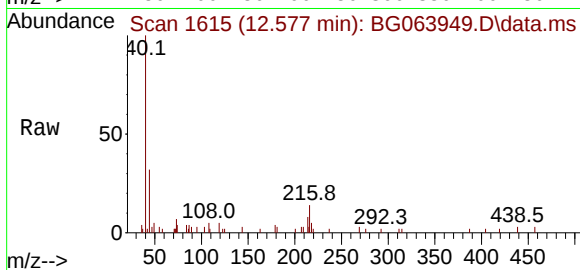
Tgt Ion:237 Resp: 67

Ion Ratio Lower Upper

237 100

235 0.0 39.2 79.2#

272 0.0 0.0 31.6



#42

2,4,6-Tribromophenol

Concen: 105.124 ng

RT: 15.914 min Scan# 2183

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

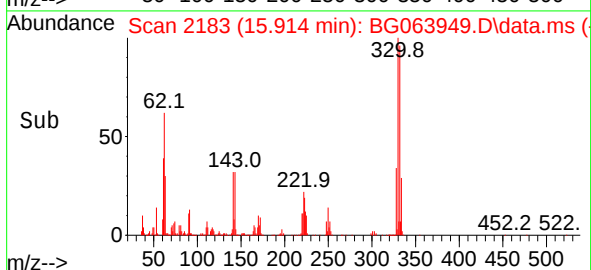
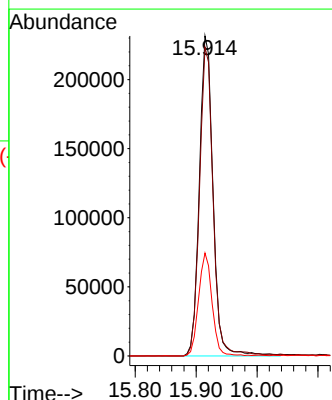
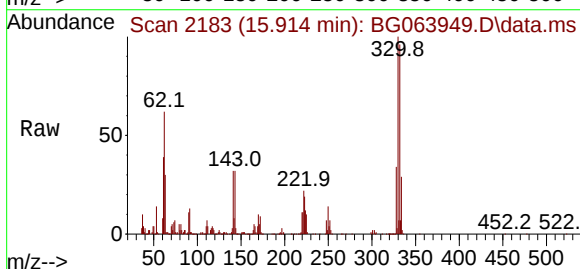
Tgt Ion:330 Resp: 361619

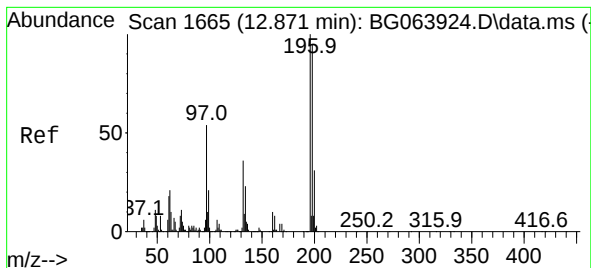
Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

141 31.7 24.4 36.6





#43

2,4,6-Trichlorophenol

Concen: 3.792 ng

RT: 12.942 min Scan# 1677

Delta R.T. 0.071 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

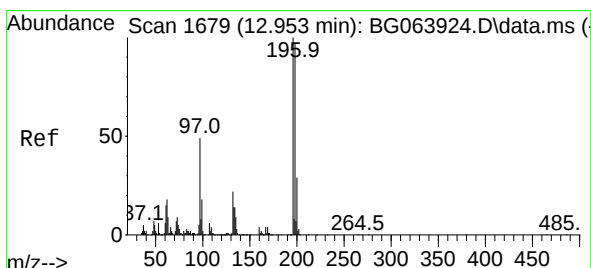
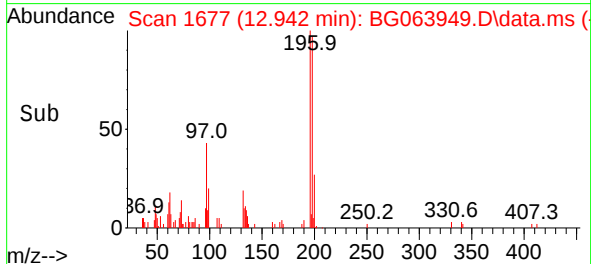
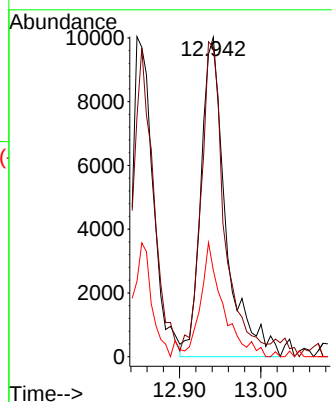
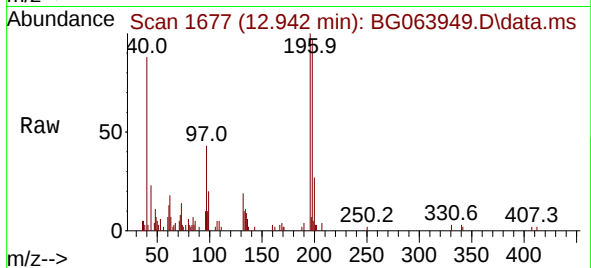
Tgt Ion:196 Resp: 21375

Ion Ratio Lower Upper

196 100

198 96.9 76.3 114.5

200 27.0 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 3.379 ng

RT: 12.942 min Scan# 1677

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:196 Resp: 21375

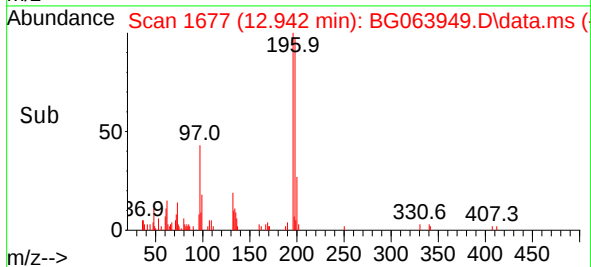
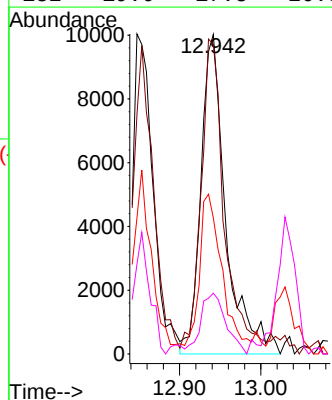
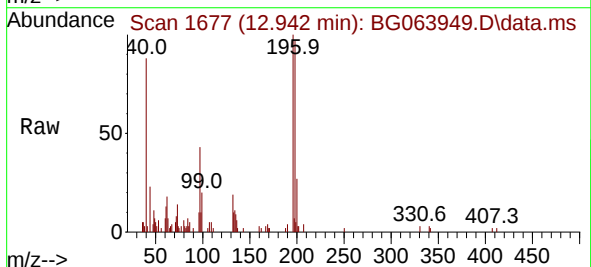
Ion Ratio Lower Upper

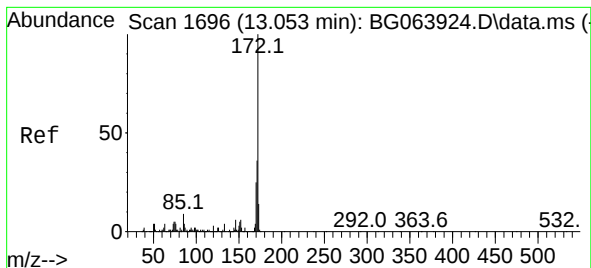
196 100

198 96.9 77.7 116.5

97 42.6 39.5 59.3

132 19.0 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 81.261 ng

RT: 13.030 min Scan# 1

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

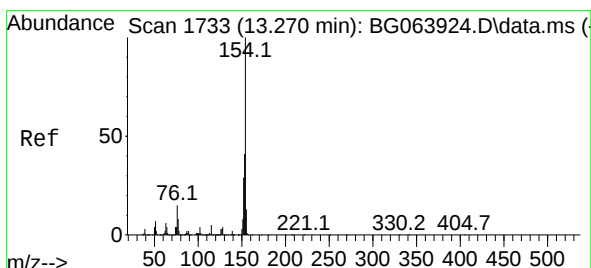
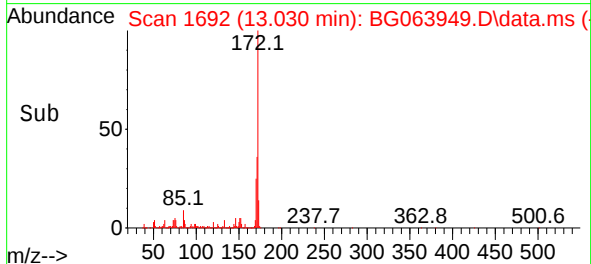
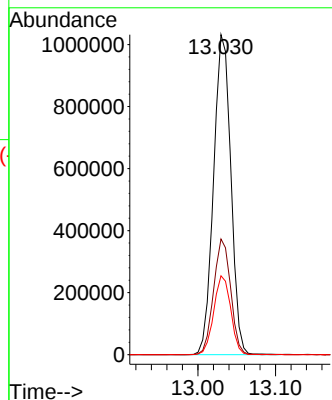
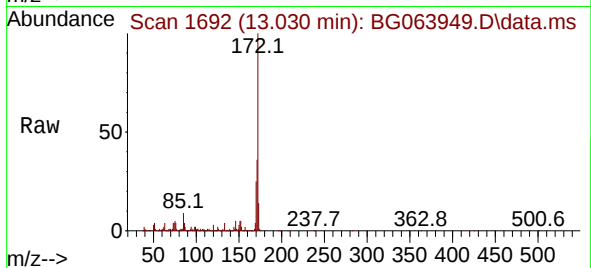
Tgt Ion:172 Resp: 1600116

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.6 20.1 30.1



#46

1,1'-Biphenyl

Concen: 4.231 ng

RT: 13.247 min Scan# 1729

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

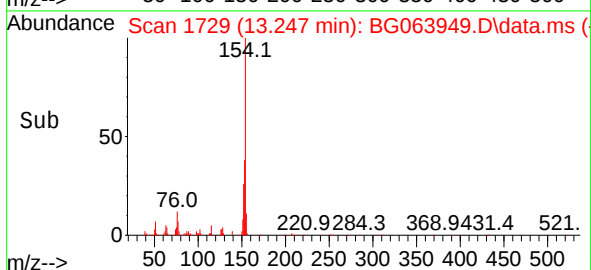
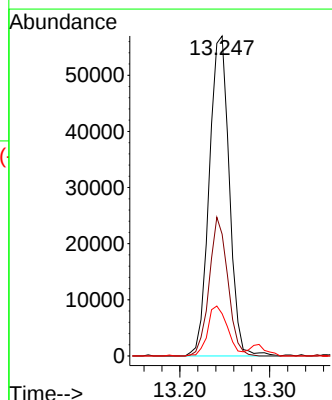
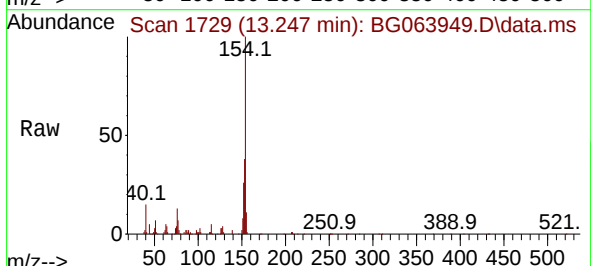
Tgt Ion:154 Resp: 88101

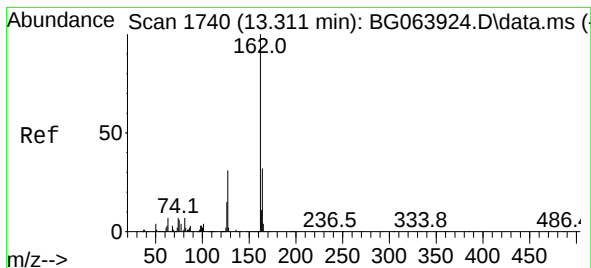
Ion Ratio Lower Upper

154 100

153 38.0 21.4 61.4

76 13.2 0.0 35.0

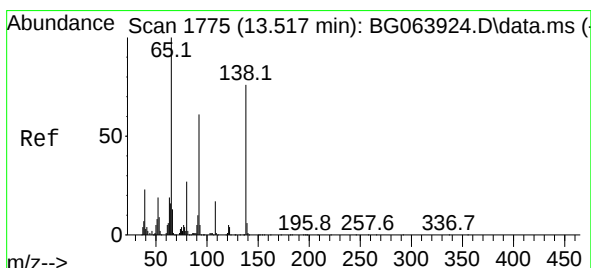
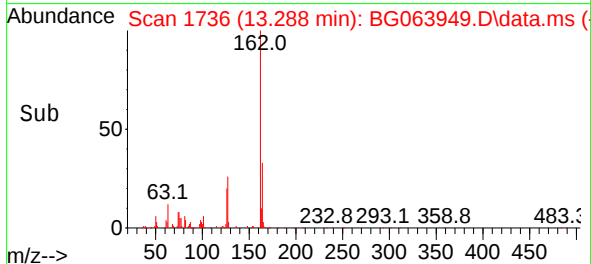
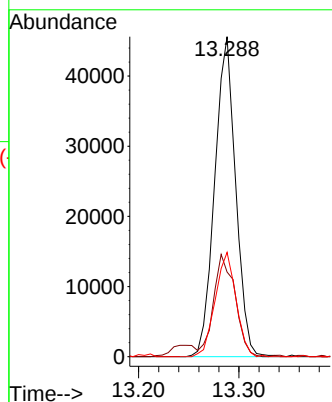
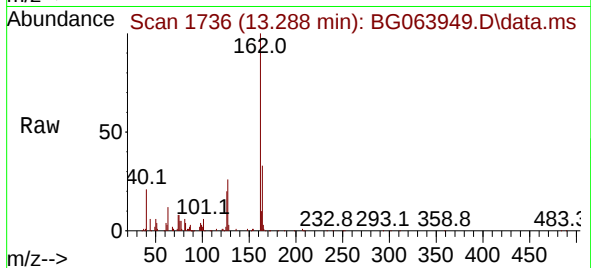




#47
2-Chloronaphthalene
Concen: 3.857 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

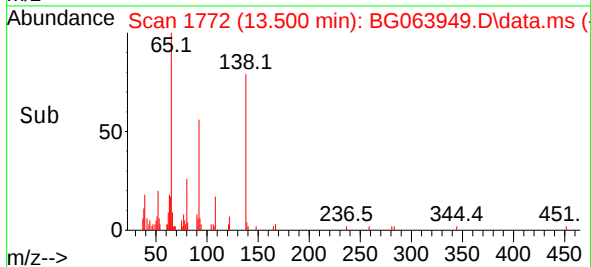
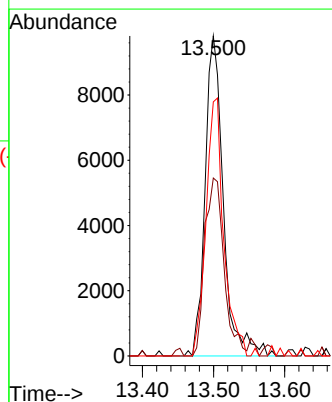
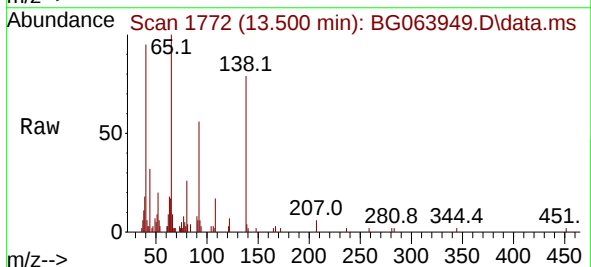
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

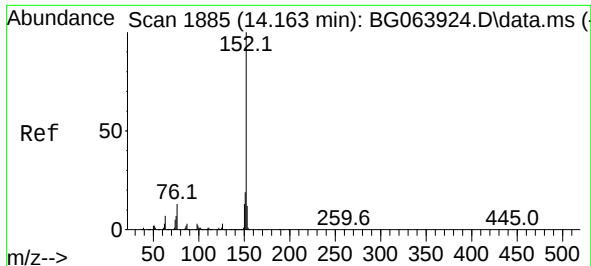
Tgt Ion:162 Resp: 66023
Ion Ratio Lower Upper
162 100
127 26.4 25.6 38.4
164 32.6 25.7 38.5



#48
2-Nitroaniline
Concen: 3.065 ng
RT: 13.500 min Scan# 1772
Delta R.T. -0.017 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion: 65 Resp: 17553
Ion Ratio Lower Upper
65 100
92 55.6 48.9 73.3
138 79.4 61.0 91.6





#49

Acenaphthylene

Concen: 4.189 ng

RT: 14.140 min Scan# 1881

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

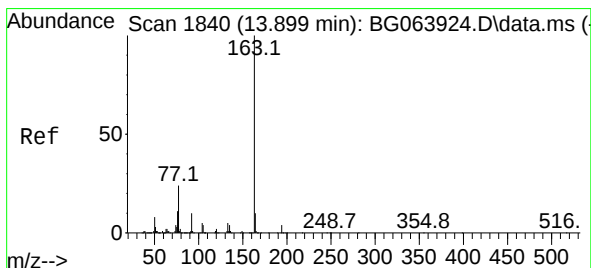
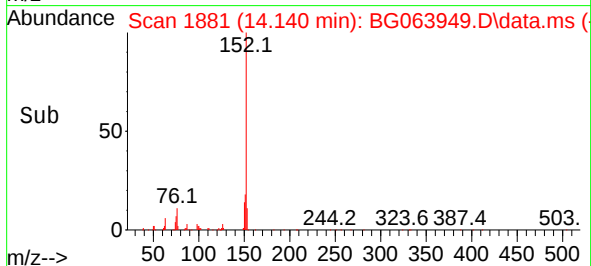
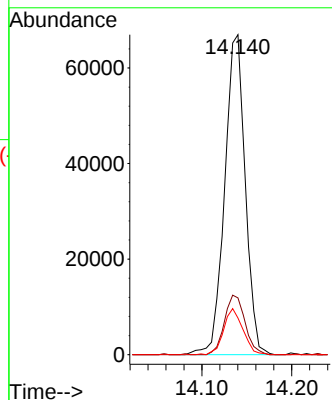
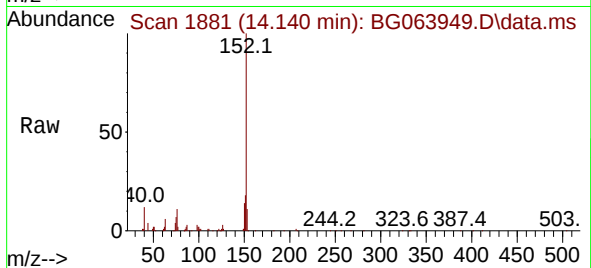
Tgt Ion:152 Resp: 106233

Ion Ratio Lower Upper

152 100

151 17.7 15.5 23.3

153 11.5 9.9 14.9



#50

Dimethylphthalate

Concen: 3.783 ng

RT: 13.870 min Scan# 1835

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

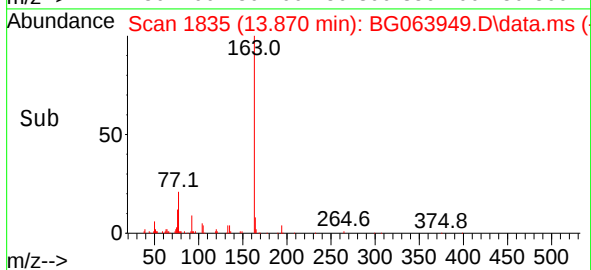
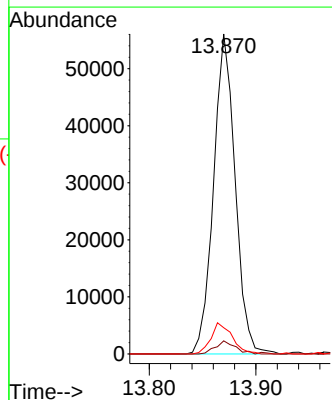
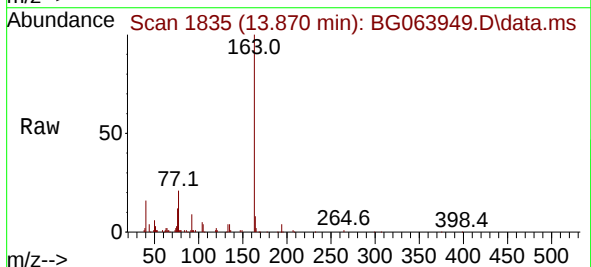
Tgt Ion:163 Resp: 78829

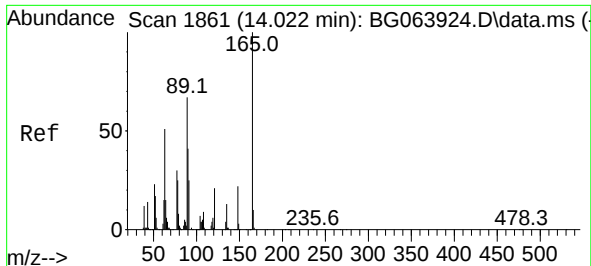
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

164 8.2 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 3.331 ng

RT: 13.993 min Scan# 1

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

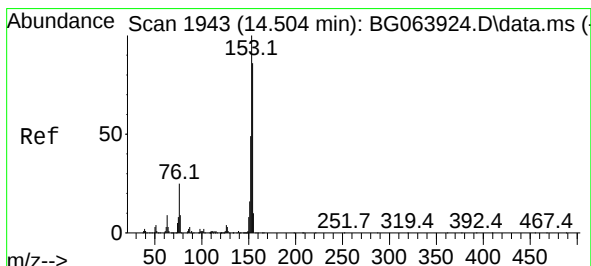
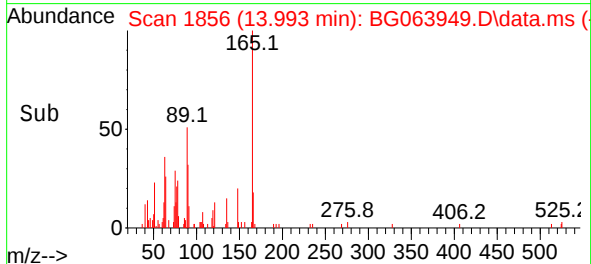
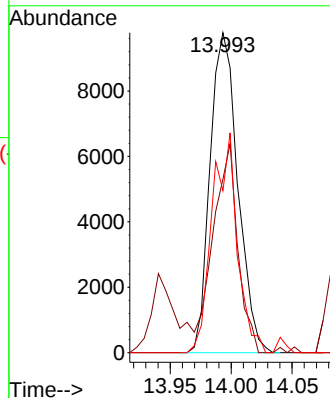
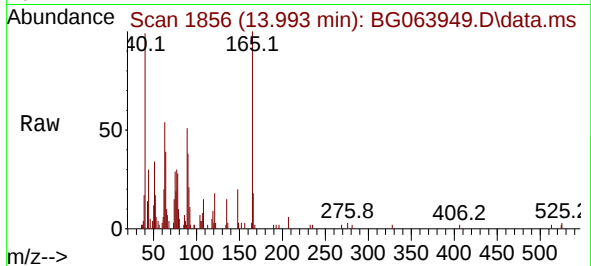
Tgt Ion:165 Resp: 15461

Ion Ratio Lower Upper

165 100

63 54.2 53.9 80.9

89 50.7 53.8 80.8#



#52

Acenaphthene

Concen: 3.728 ng

RT: 14.481 min Scan# 1939

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

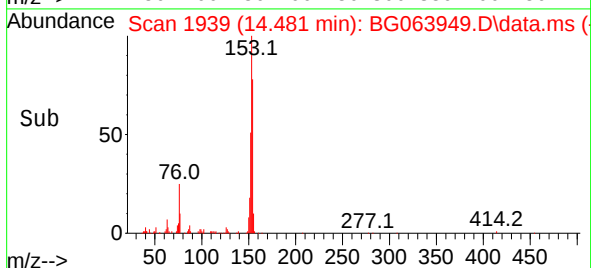
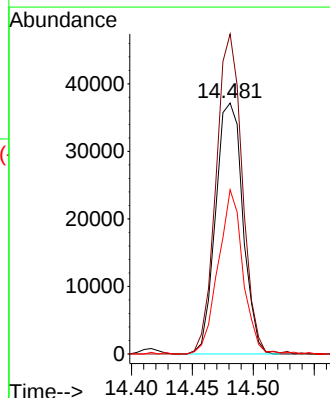
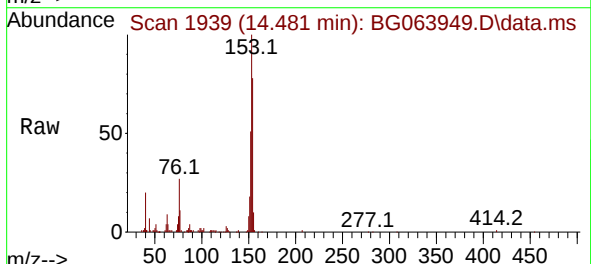
Tgt Ion:154 Resp: 57816

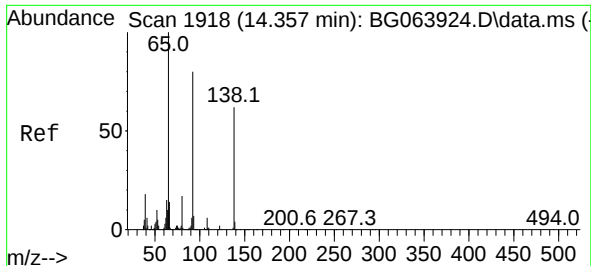
Ion Ratio Lower Upper

154 100

153 127.5 93.4 140.0

152 65.4 46.1 69.1

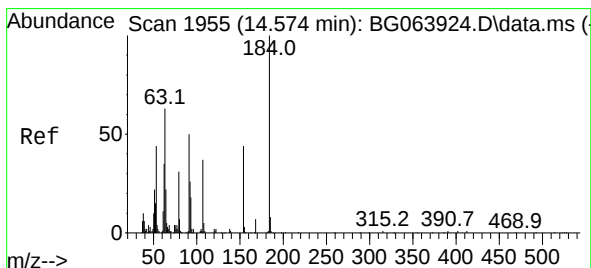
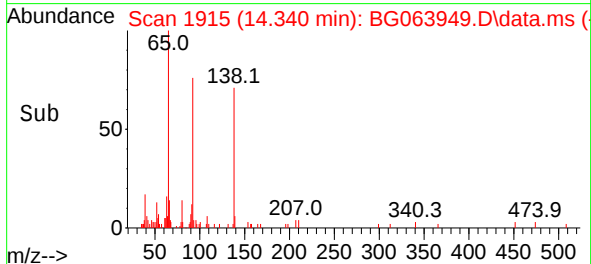
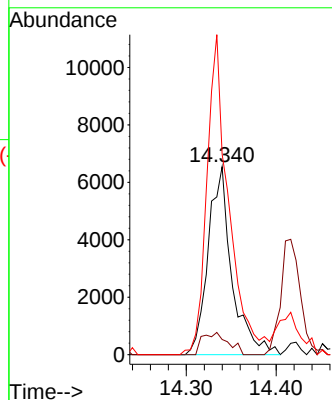
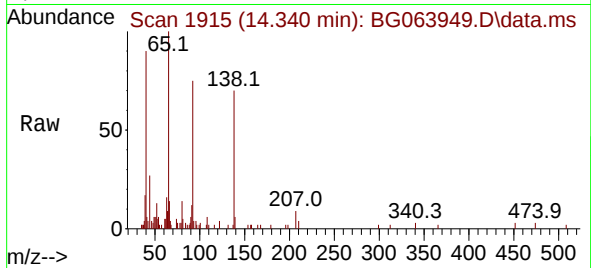




#53
3-Nitroaniline
Concen: 2.823 ng
RT: 14.340 min Scan# 1915
Delta R.T. -0.017 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

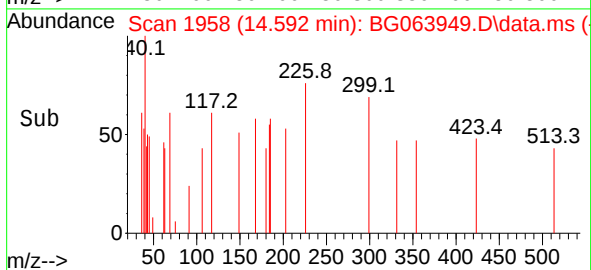
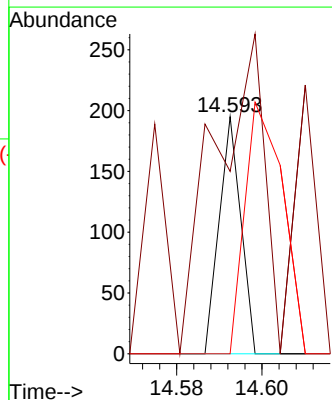
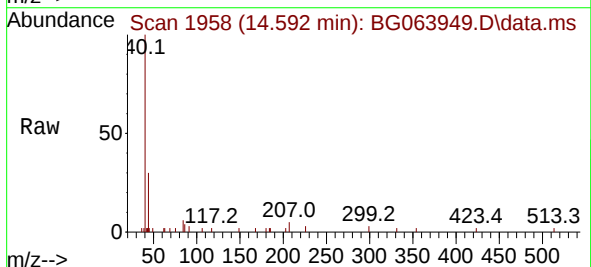
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

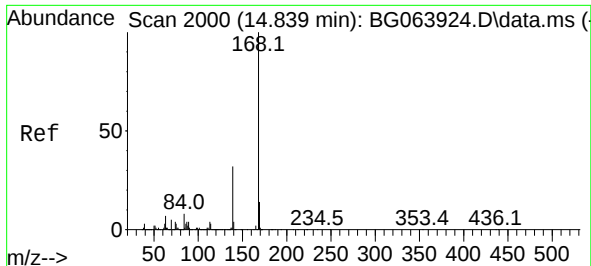
Tgt Ion:138 Resp: 12021
Ion Ratio Lower Upper
138 100
108 8.1 7.8 11.8
92 106.7 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 8.021 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.018 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 76.9 50.8 76.2#
154 0.0 44.2 66.2#

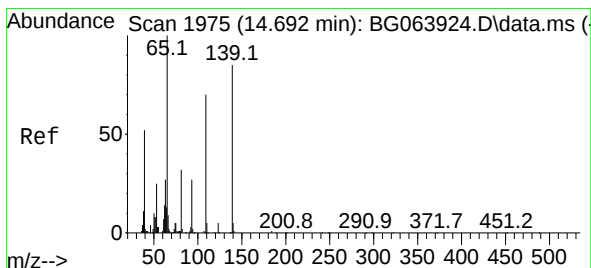
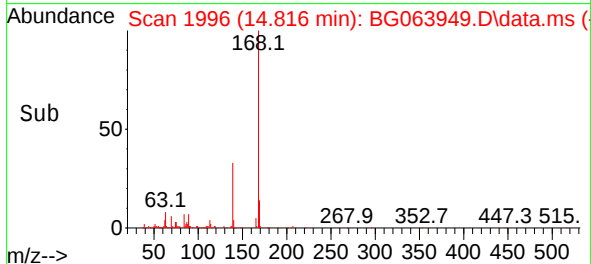
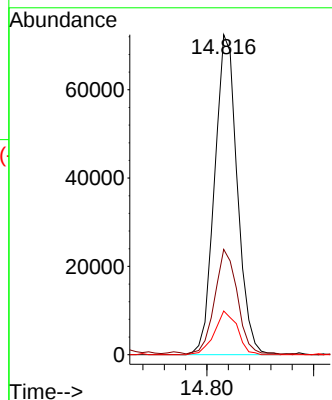
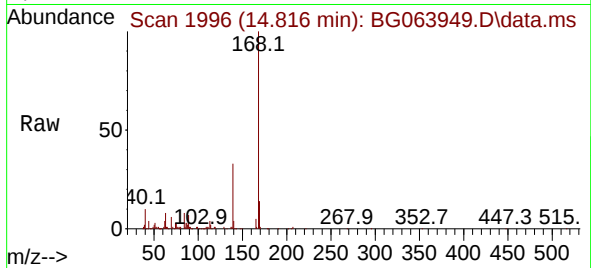




#55
Dibenzenofuran
Concen: 3.969 ng
RT: 14.816 min Scan# 1996
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

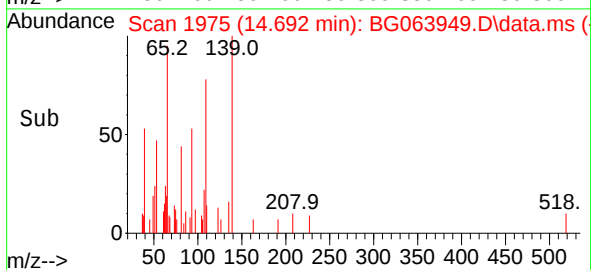
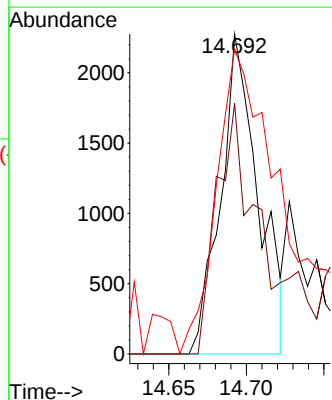
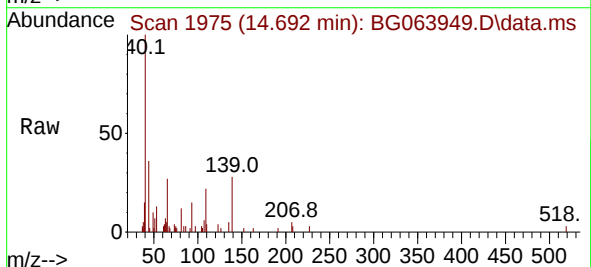
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

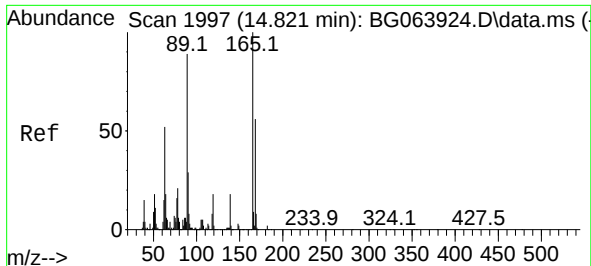
Tgt Ion:168 Resp: 106839
Ion Ratio Lower Upper
168 100
139 32.9 26.0 39.0
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 1.313 ng
RT: 14.692 min Scan# 1975
Delta R.T. 0.000 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:139 Resp: 3834
Ion Ratio Lower Upper
139 100
109 78.3 62.8 102.8
65 95.2 98.2 138.2#

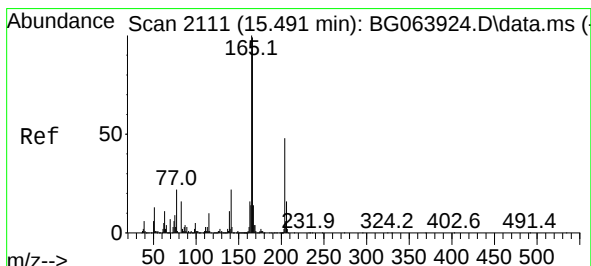
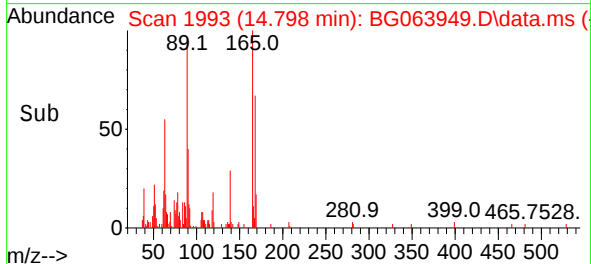
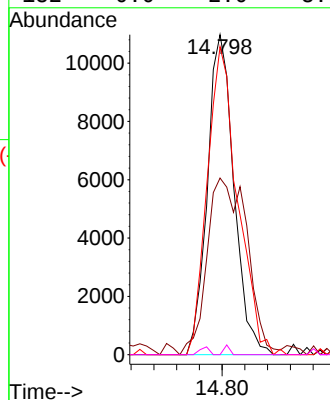
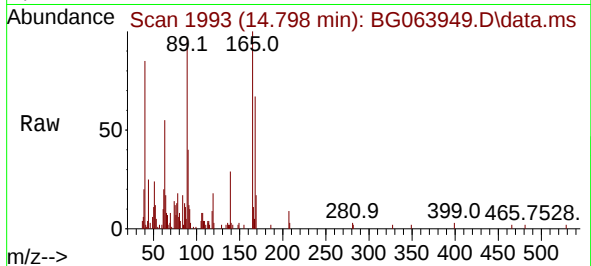




#57
2,4-Dinitrotoluene
Concen: 2.724 ng
RT: 14.798 min Scan# 11
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

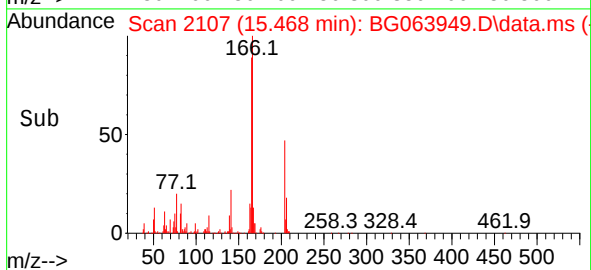
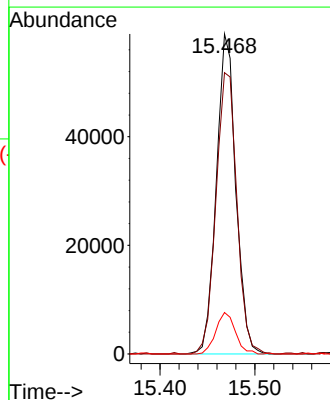
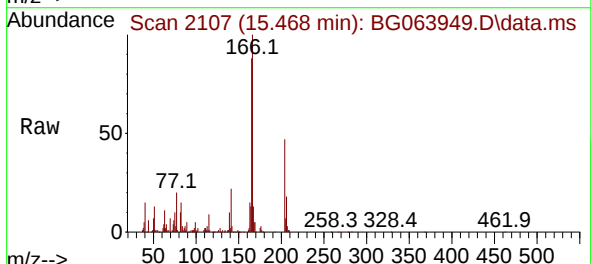
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

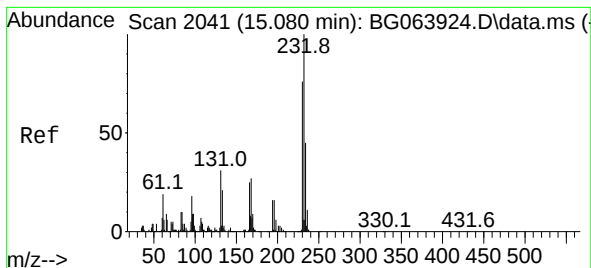
Tgt Ion:165 Resp: 17750
Ion Ratio Lower Upper
165 100
63 55.2 41.6 62.4
89 96.2 71.0 106.6
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.023 ng
RT: 15.468 min Scan# 2107
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:166 Resp: 84143
Ion Ratio Lower Upper
166 100
165 87.9 81.2 121.8
167 12.9 11.2 16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 2.334 ng

RT: 14.974 min Scan# 2041

Delta R.T. -0.105 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:232 Resp: 13030

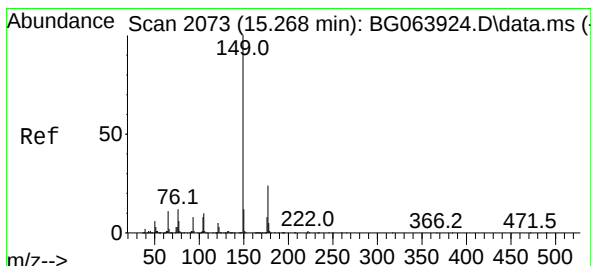
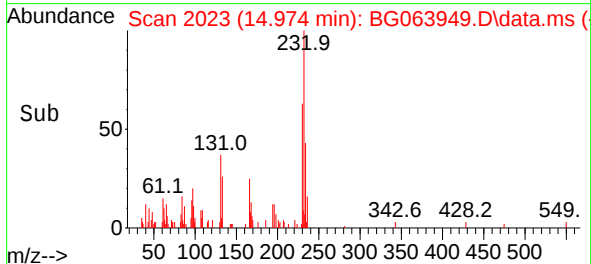
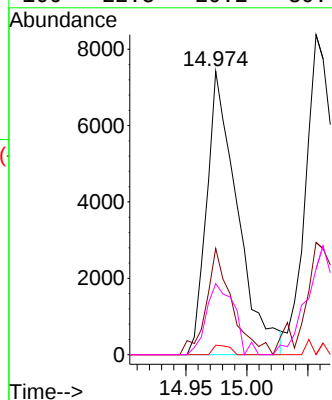
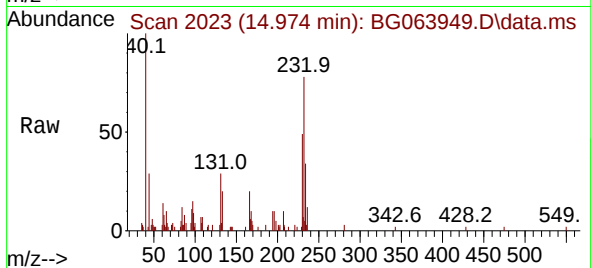
Ion Ratio Lower Upper

232 100

131 31.3 25.8 38.6

130 1.8 1.5 2.3

166 22.8 20.2 30.4



#60

Diethylphthalate

Concen: 3.695 ng

RT: 15.239 min Scan# 2068

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

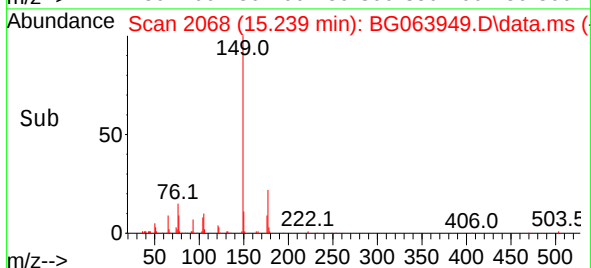
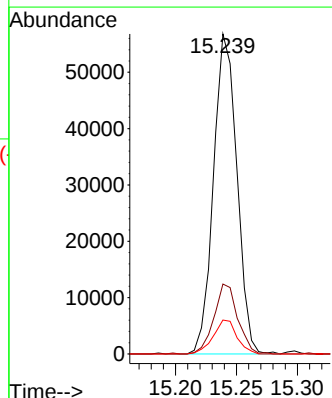
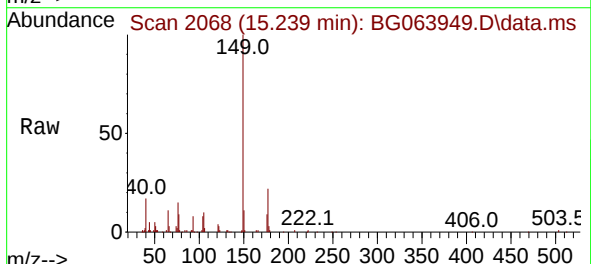
Tgt Ion:149 Resp: 75888

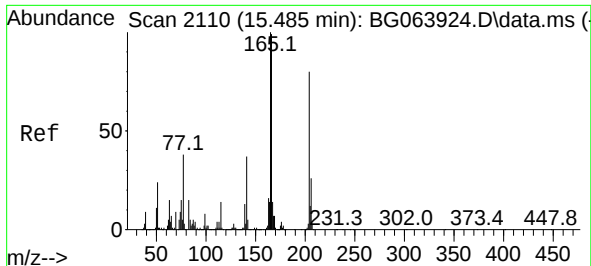
Ion Ratio Lower Upper

149 100

177 21.8 19.1 28.7

150 10.6 9.8 14.8

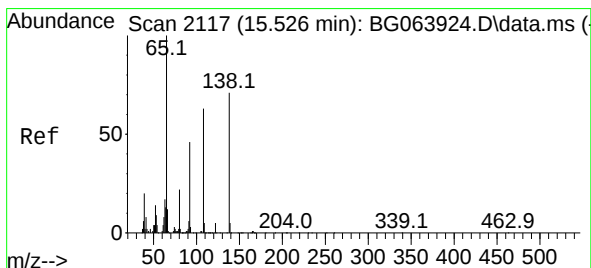
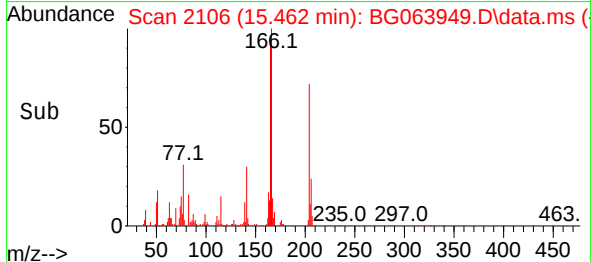
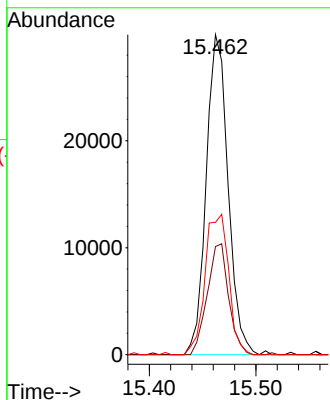
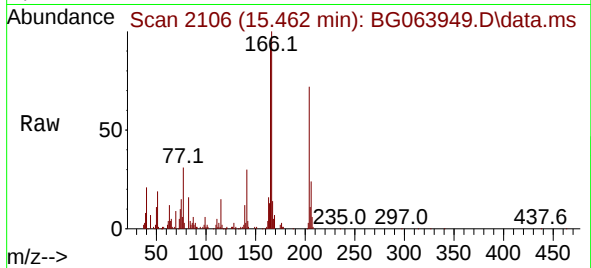




#61
4-Chlorophenyl-phenylether
Concen: 3.768 ng
RT: 15.462 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

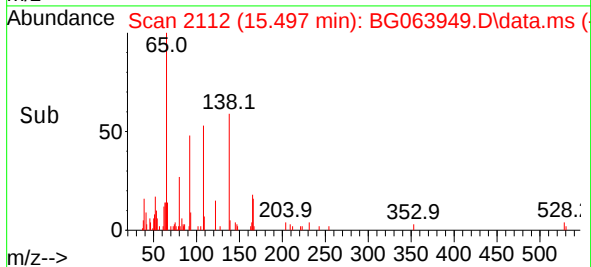
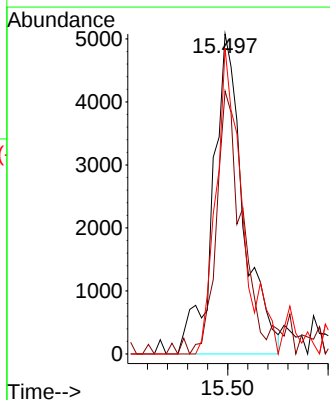
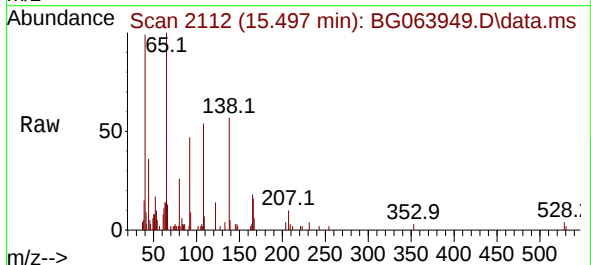
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

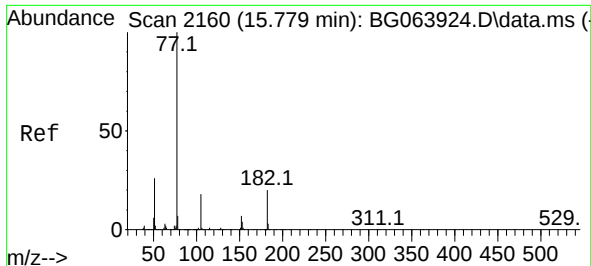
Tgt Ion:	204	Resp:	42723
Ion Ratio	Lower	Upper	
204	100		
206	33.8	26.3	39.5
141	41.4	36.6	55.0



#62
4-Nitroaniline
Concen: 2.401 ng
RT: 15.497 min Scan# 2112
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:	138	Resp:	10625
Ion Ratio	Lower	Upper	
138	100		
92	82.2	43.9	83.9
108	95.6	68.3	108.3

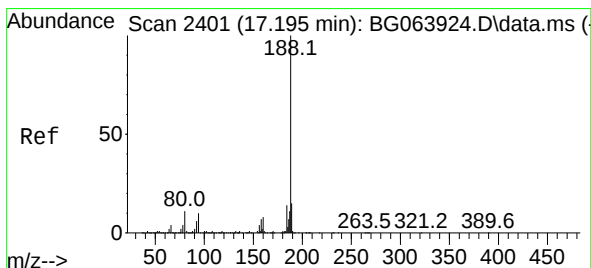
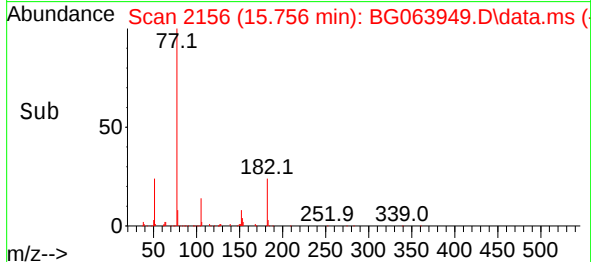
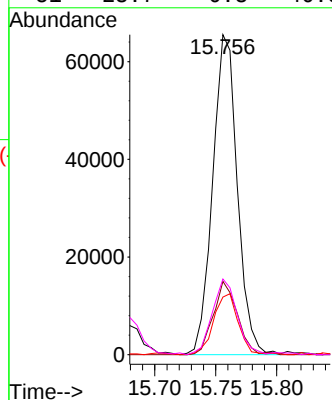
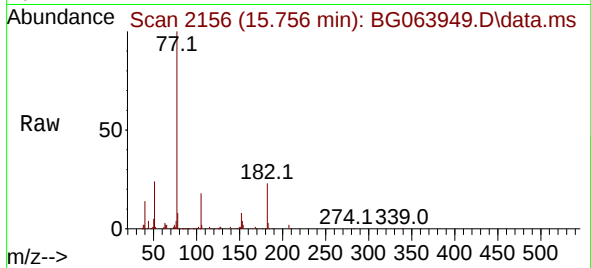




#63
Azobenzene
Concen: 3.549 ng
RT: 15.756 min Scan# 2156
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

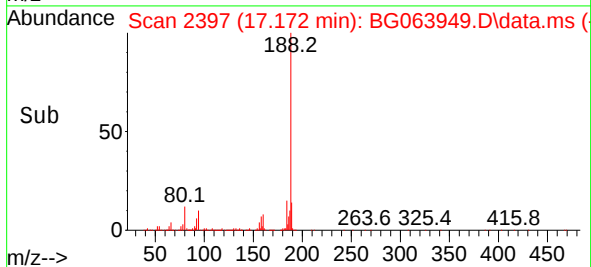
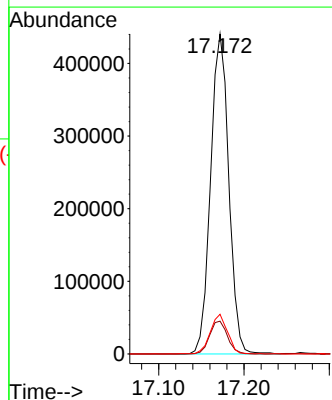
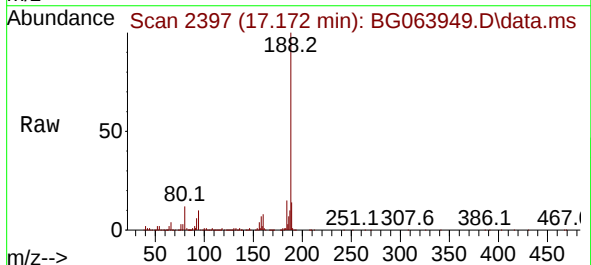
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

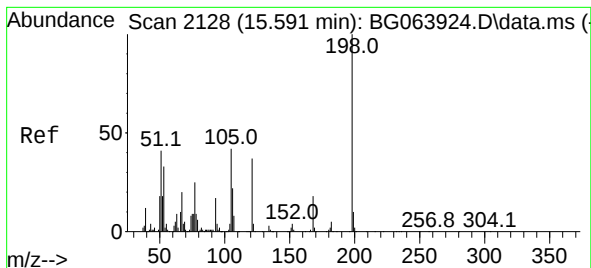
Tgt Ion: 77	Resp: 92198
Ion Ratio	Lower Upper
77 100	
182 22.9	0.2 40.2
105 18.0	0.0 37.9
51 23.7	6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2397
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:188	Resp: 654860
Ion Ratio	Lower Upper
188 100	
94 10.2	8.4 12.6
80 12.4	9.1 13.7

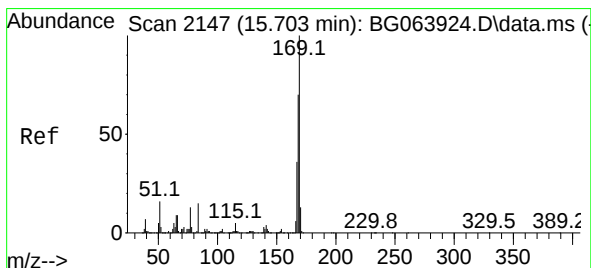
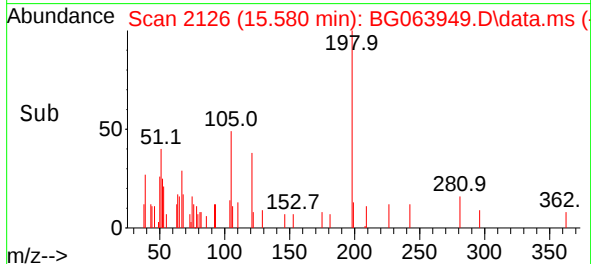
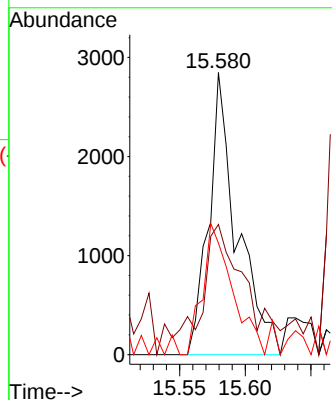
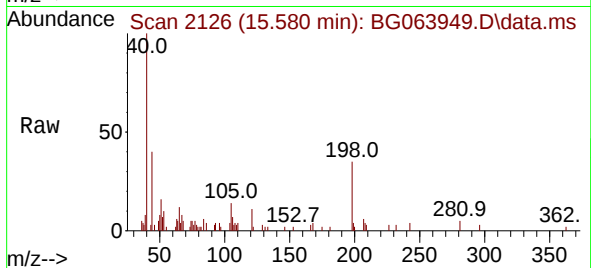




#65
4,6-Dinitro-2-methylphenol
Concen: 1.253 ng
RT: 15.580 min Scan# 2126
Delta R.T. -0.011 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

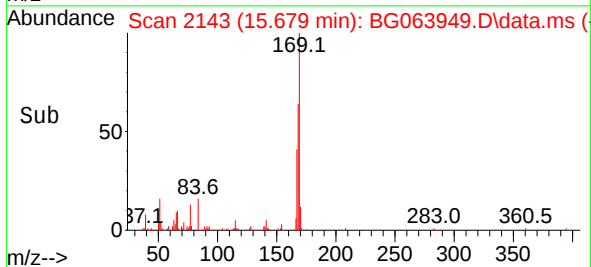
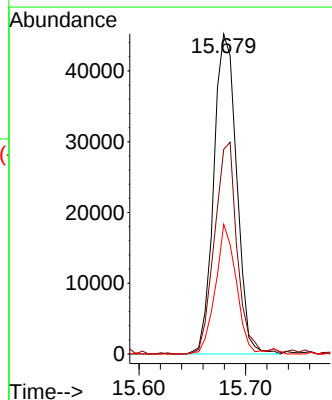
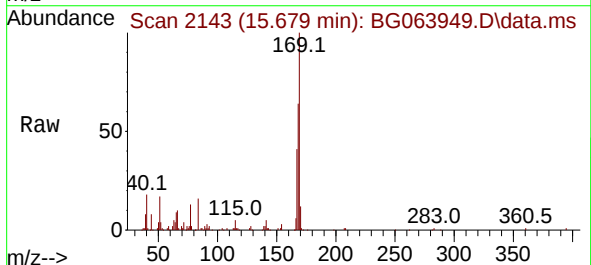
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

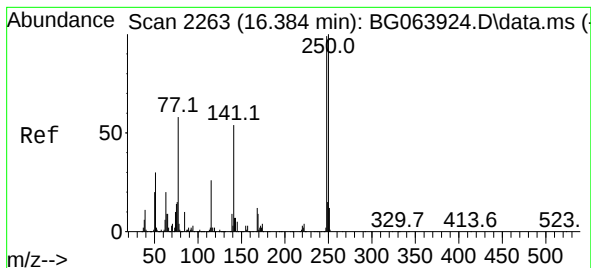
Tgt Ion:198 Resp: 4279
Ion Ratio Lower Upper
198 100
51 46.1 22.5 62.5
105 39.5 22.2 62.2



#66
n-Nitrosodiphenylamine
Concen: 3.946 ng
RT: 15.679 min Scan# 2143
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:169 Resp: 67301
Ion Ratio Lower Upper
169 100
168 63.9 56.2 84.2
167 40.5 29.2 43.8

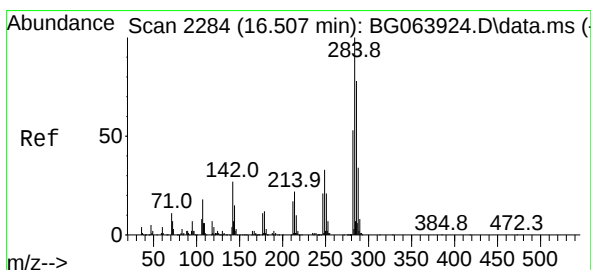
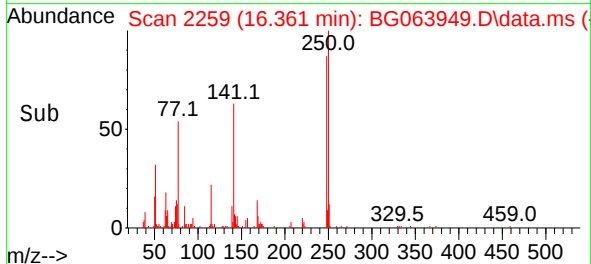
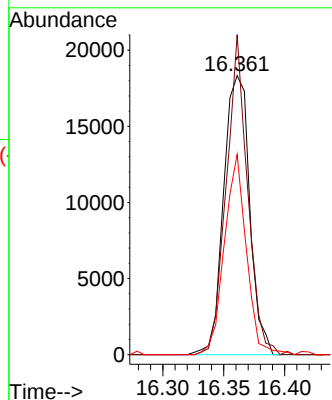
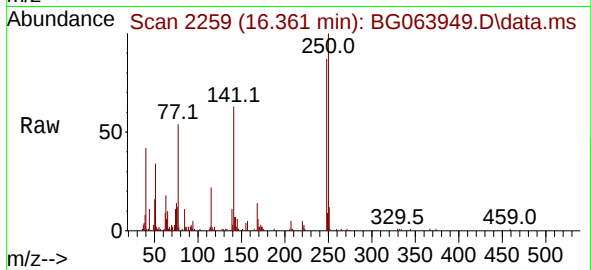




#67
4-Bromophenyl-phenylether
Concen: 3.761 ng
RT: 16.361 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

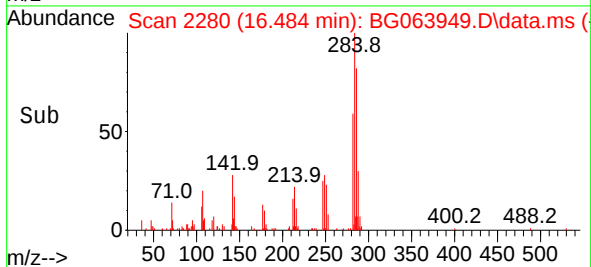
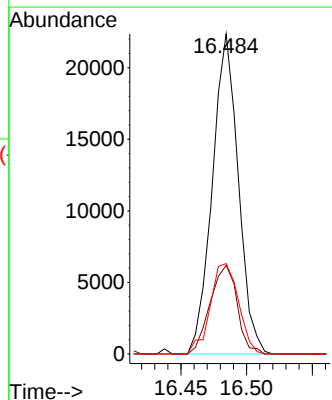
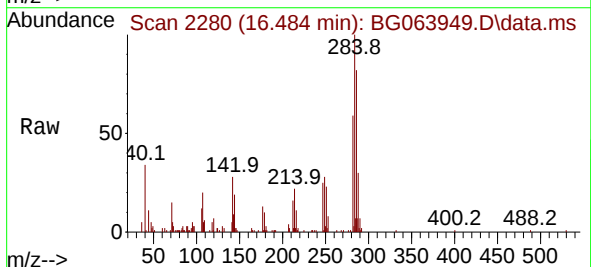
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

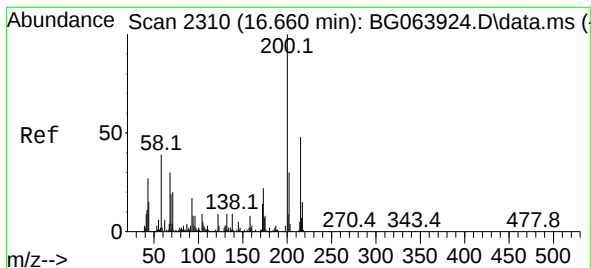
Tgt Ion:248 Resp: 27230
Ion Ratio Lower Upper
248 100
250 114.7 80.7 121.1
141 71.8 43.3 64.9#



#68
Hexachlorobenzene
Concen: 3.715 ng
RT: 16.484 min Scan# 2280
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:284 Resp: 30708
Ion Ratio Lower Upper
284 100
142 27.7 22.0 33.0
249 28.3 26.2 39.2





#69

Atrazine

Concen: 4.530 ng

RT: 16.631 min Scan# 2305

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

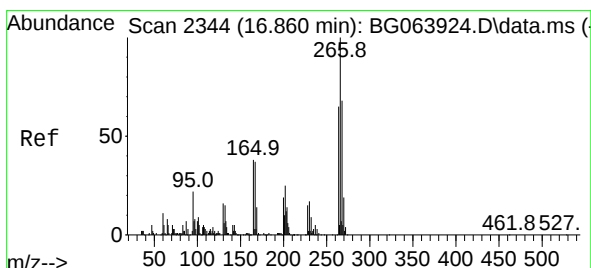
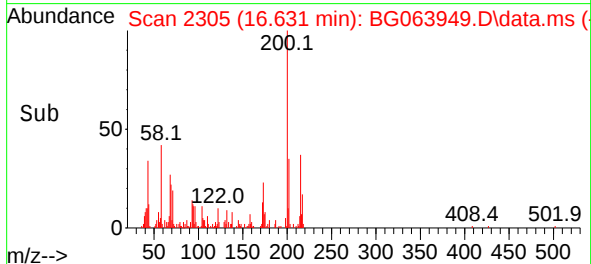
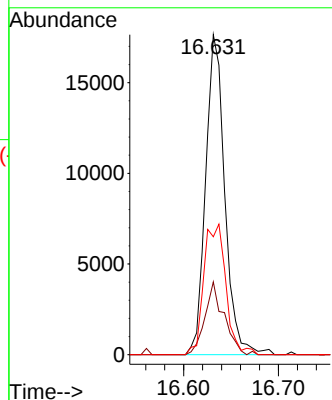
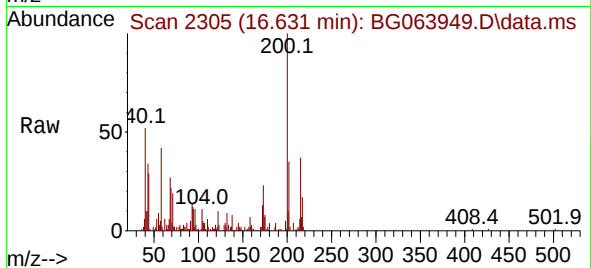
Tgt Ion:200 Resp: 24765

Ion Ratio Lower Upper

200 100

173 22.8 2.4 42.4

215 36.8 27.6 67.6



#70

Pentachlorophenol

Concen: 1.092 ng

RT: 16.849 min Scan# 2342

Delta R.T. -0.011 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

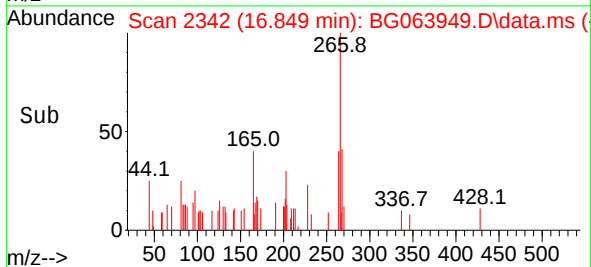
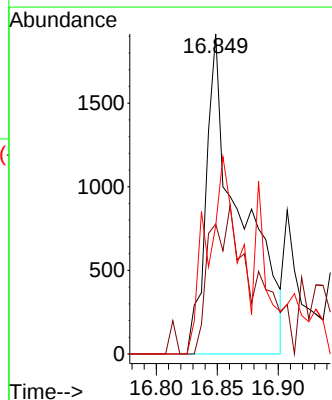
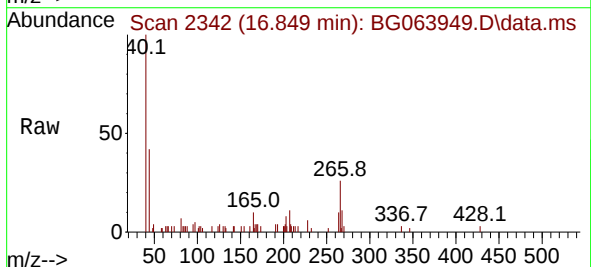
Tgt Ion:266 Resp: 3743

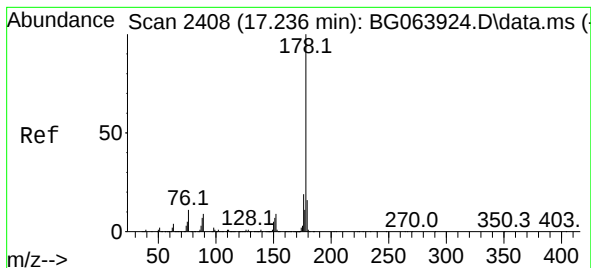
Ion Ratio Lower Upper

266 100

268 40.6 54.5 81.7#

264 40.2 52.2 78.4#





#71

Phenanthrene

Concen: 4.160 ng

RT: 17.213 min Scan# 2404

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

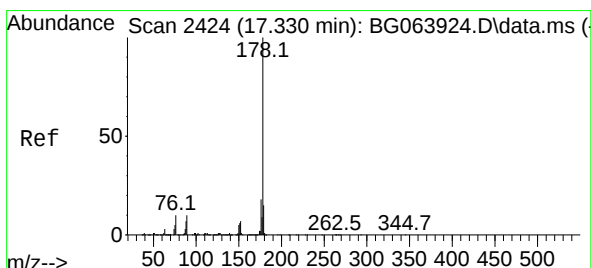
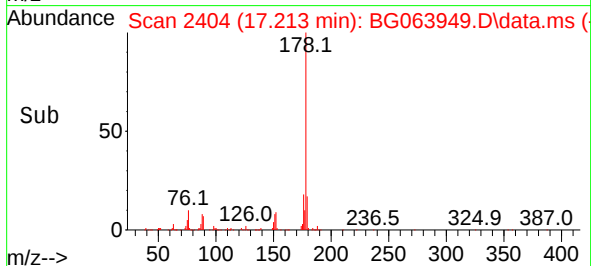
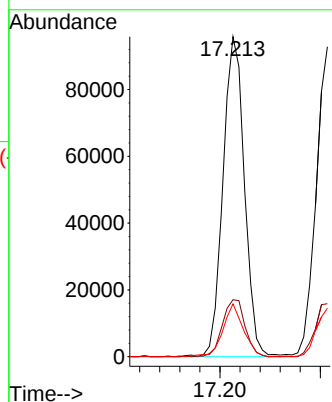
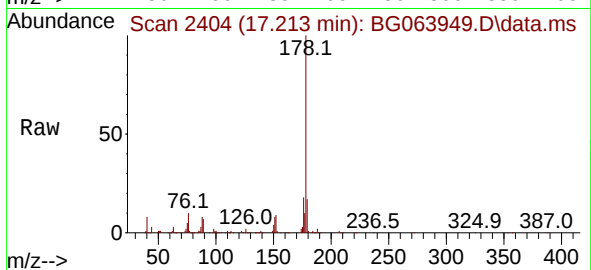
Tgt Ion:178 Resp: 141708

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

179 16.5 12.5 18.7



#72

Anthracene

Concen: 3.984 ng

RT: 17.307 min Scan# 2420

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

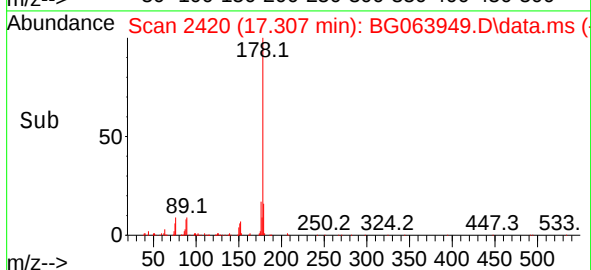
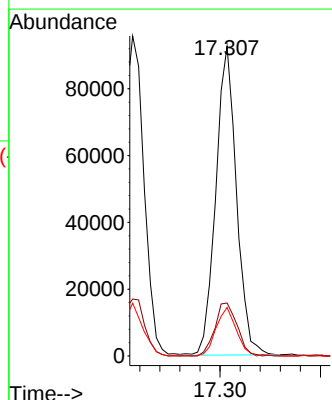
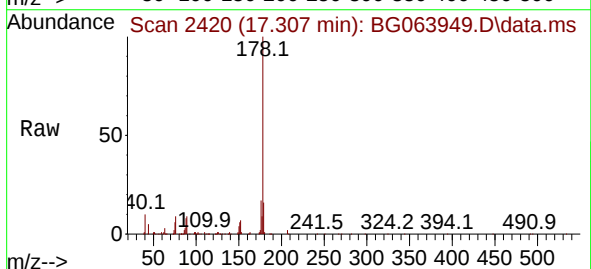
Tgt Ion:178 Resp: 132101

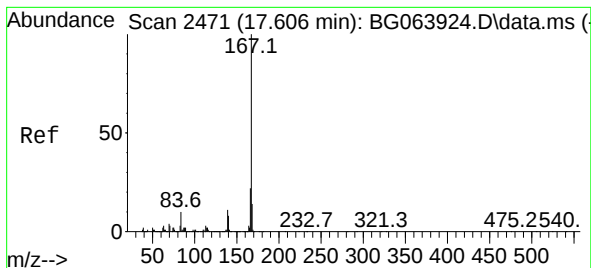
Ion Ratio Lower Upper

178 100

176 17.1 14.5 21.7

179 15.7 12.1 18.1





#73

Carbazole

Concen: 3.787 ng

RT: 17.583 min Scan# 24

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

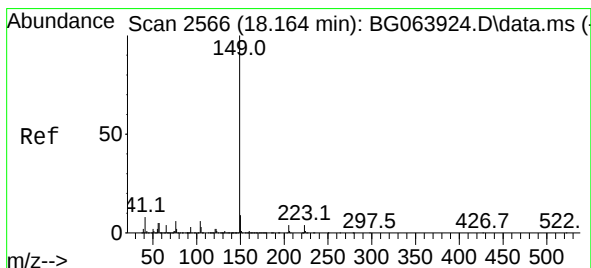
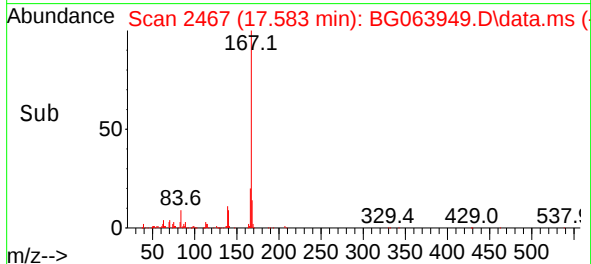
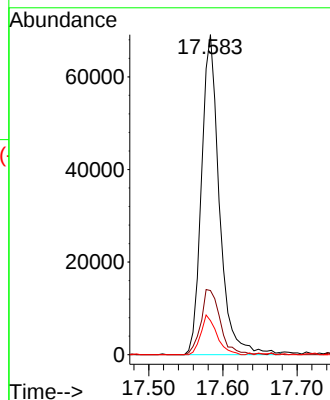
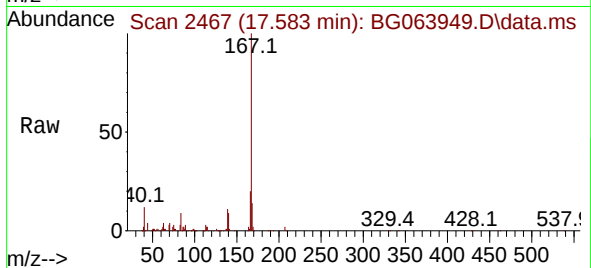
Tgt Ion:167 Resp: 115962

Ion Ratio Lower Upper

167 100

166 20.0 17.4 26.0

139 10.7 9.0 13.6



#74

Di-n-butylphthalate

Concen: 3.558 ng

RT: 18.141 min Scan# 2562

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

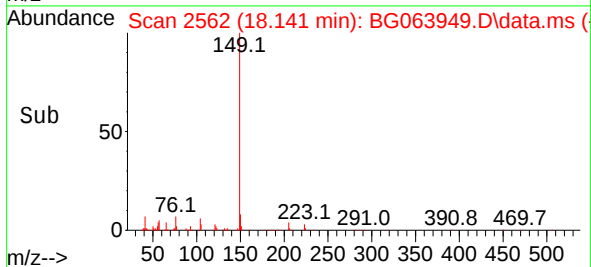
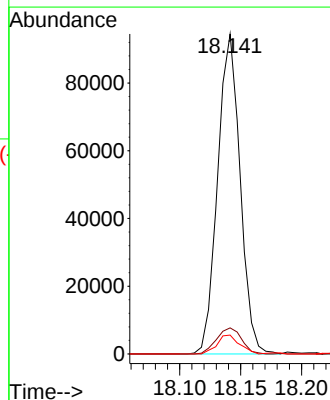
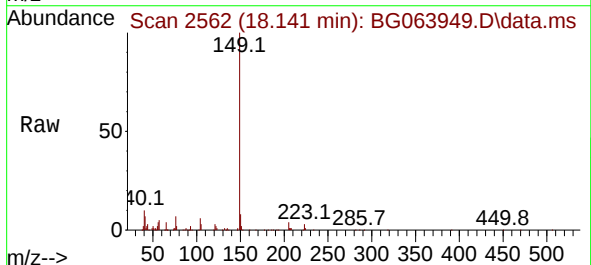
Tgt Ion:149 Resp: 121396

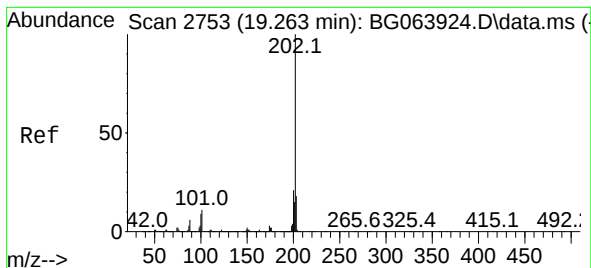
Ion Ratio Lower Upper

149 100

150 8.2 7.4 11.0

104 5.9 4.9 7.3





#75

Fluoranthene

Concen: 3.900 ng

RT: 19.240 min Scan# 21

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

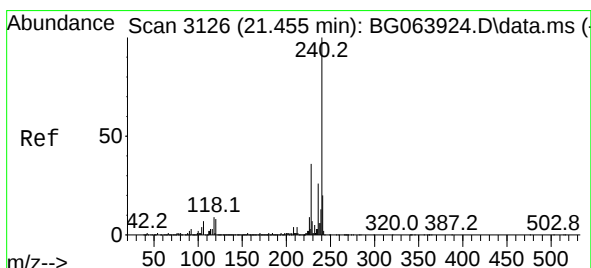
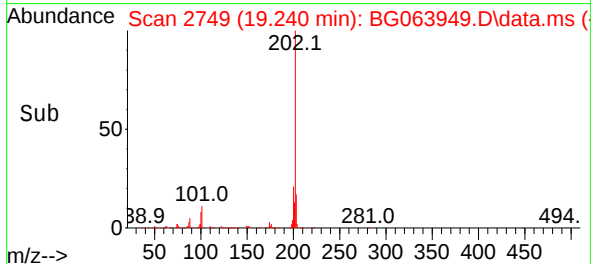
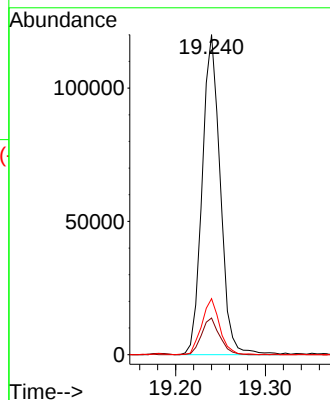
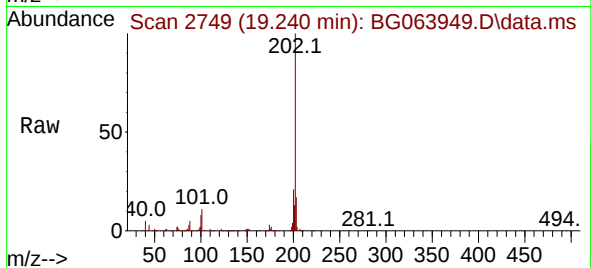
Tgt Ion:202 Resp: 167630

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.1

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.426 min Scan# 3121

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

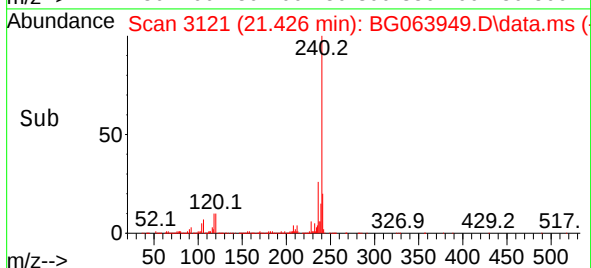
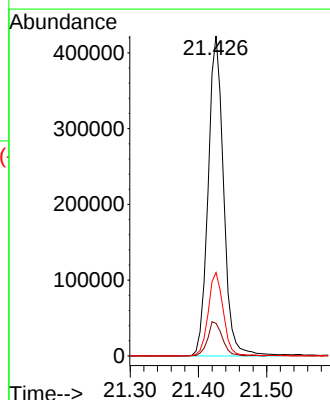
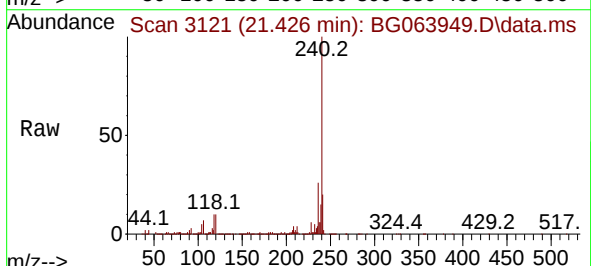
Tgt Ion:240 Resp: 665529

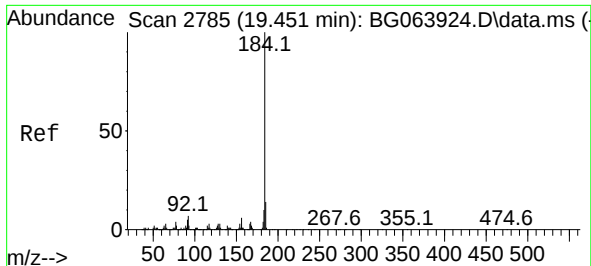
Ion Ratio Lower Upper

240 100

120 10.2 6.7 10.1#

236 26.0 21.2 31.8

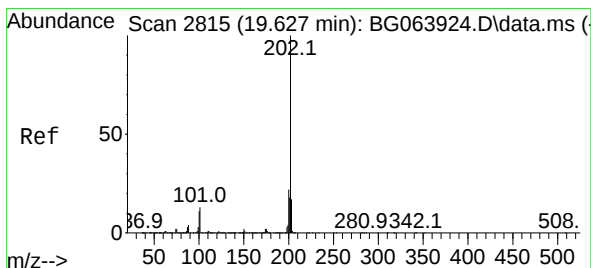
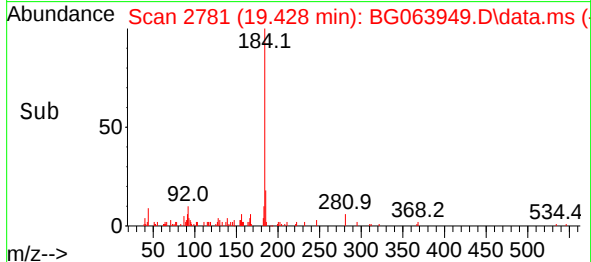
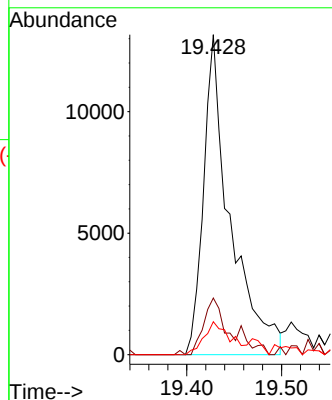
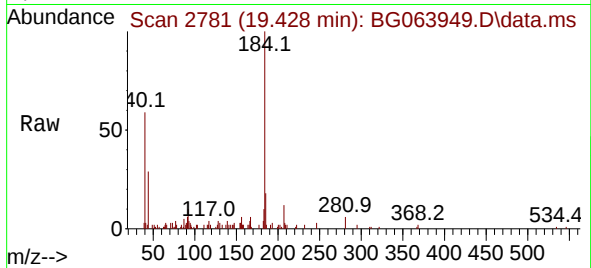




#77
Benzidine
Concen: 2.742 ng
RT: 19.428 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

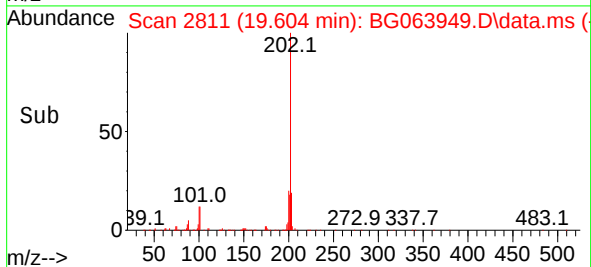
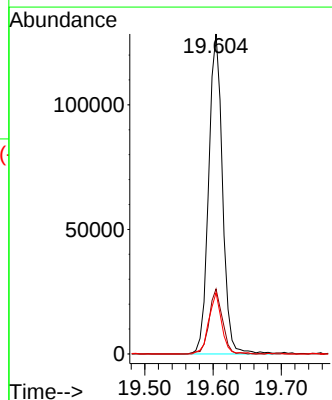
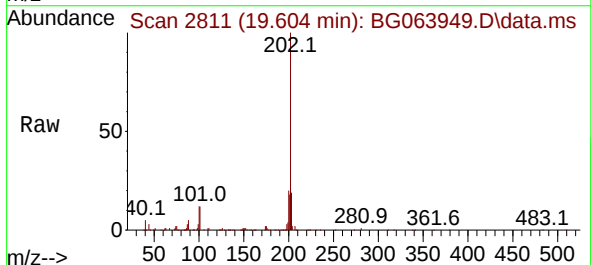
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

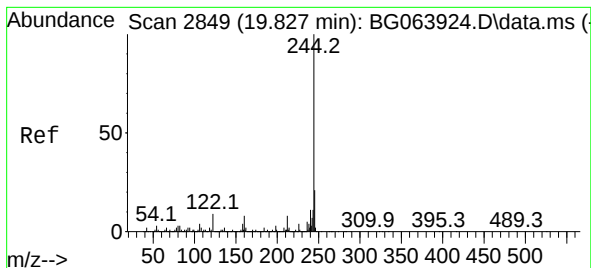
Tgt Ion:184 Resp: 25535
Ion Ratio Lower Upper
184 100
185 17.7 11.4 17.2#
183 10.3 8.4 12.6



#78
Pyrene
Concen: 3.978 ng
RT: 19.604 min Scan# 2811
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:202 Resp: 181583
Ion Ratio Lower Upper
202 100
200 20.3 17.3 25.9
203 19.1 13.9 20.9





#79

Terphenyl-d14

Concen: 81.167 ng

RT: 19.804 min Scan# 21

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

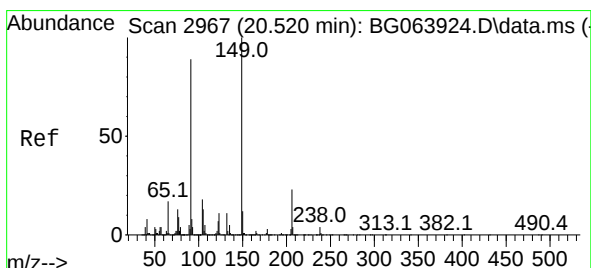
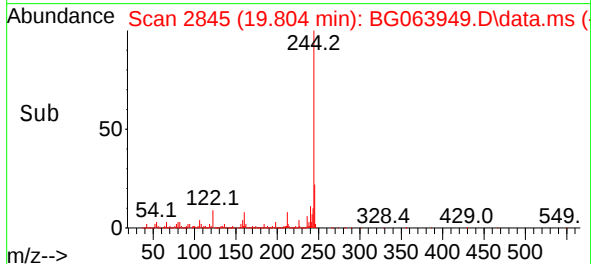
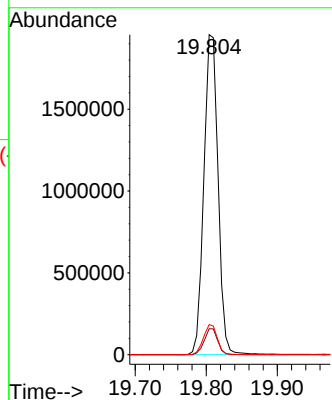
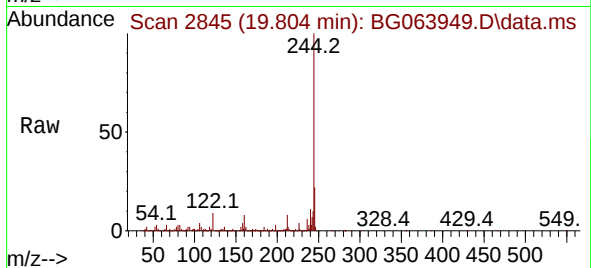
Tgt Ion:244 Resp: 2720628

Ion Ratio Lower Upper

244 100

212 8.1 6.7 10.1

122 9.4 7.4 11.0



#80

Butylbenzylphthalate

Concen: 2.972 ng

RT: 20.497 min Scan# 2963

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

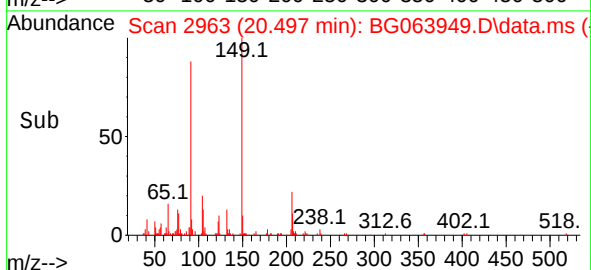
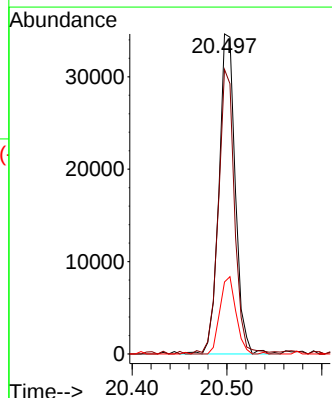
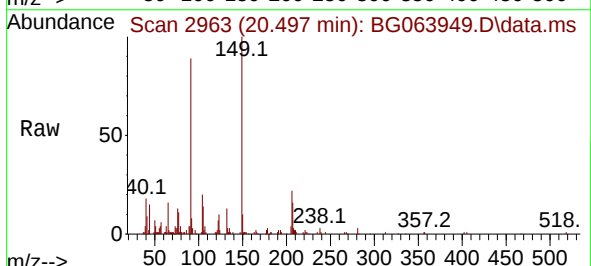
Tgt Ion:149 Resp: 41858

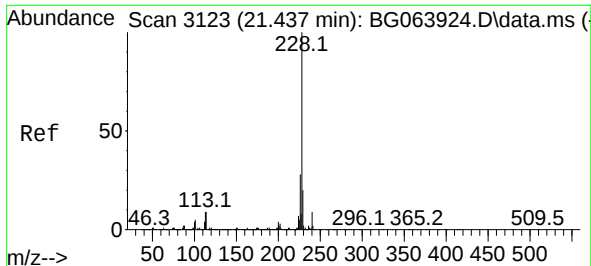
Ion Ratio Lower Upper

149 100

91 88.9 71.4 107.0

206 22.5 18.7 28.1

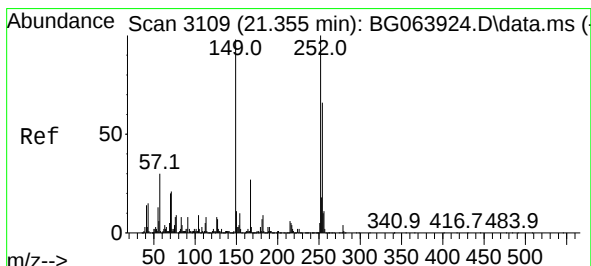
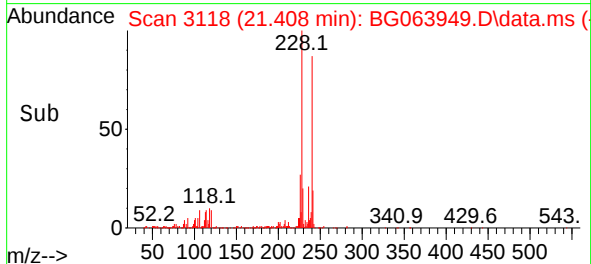
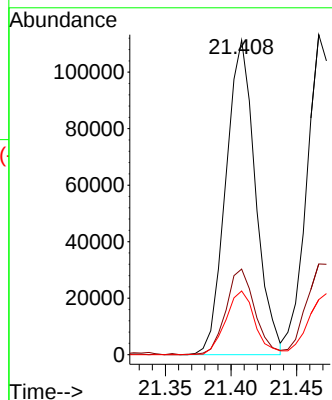
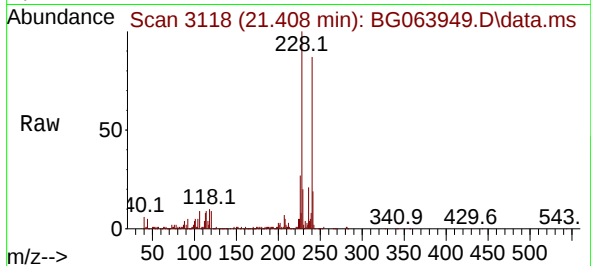




#81
Benzo(a)anthracene
Concen: 3.921 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.029 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

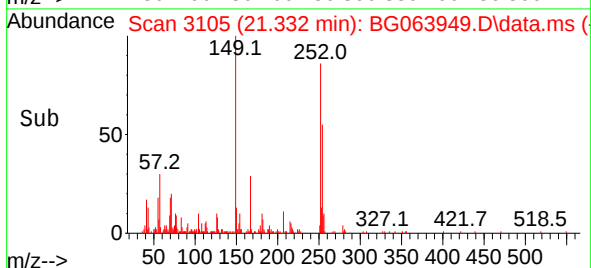
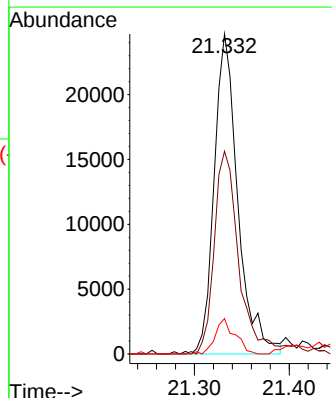
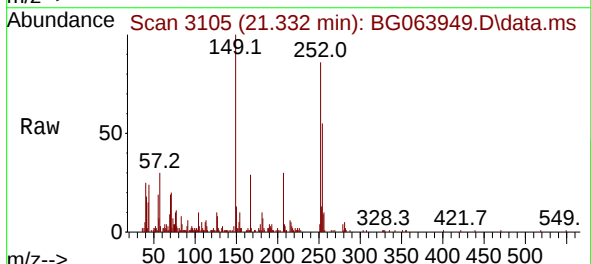
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

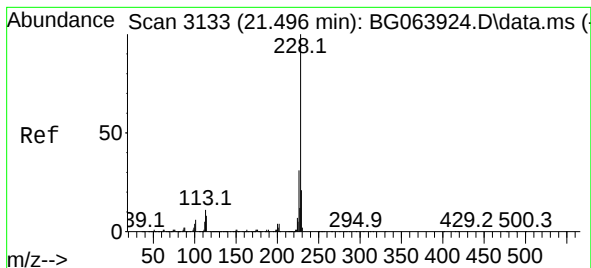
Tgt Ion:228 Resp: 174575
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 20.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 3.099 ng
RT: 21.332 min Scan# 3105
Delta R.T. -0.023 min
Lab File: BG063949.D
Acq: 10 Jan 2025 14:07

Tgt Ion:252 Resp: 42858
Ion Ratio Lower Upper
252 100
254 63.3 52.6 78.8
126 11.1 6.2 9.2#





#83

Chrysene

Concen: 4.137 ng

RT: 21.467 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

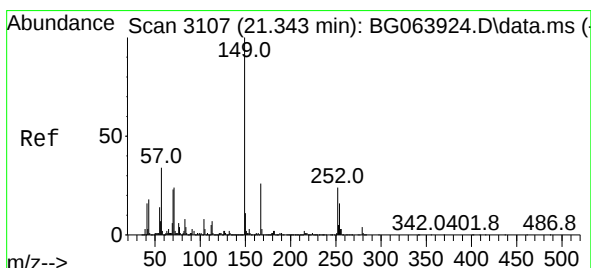
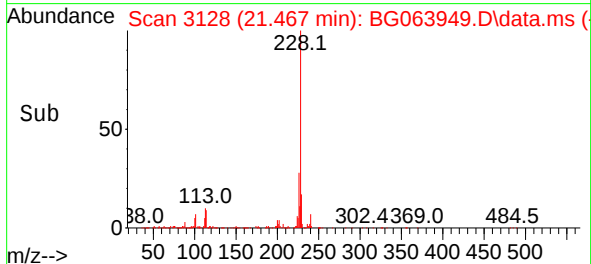
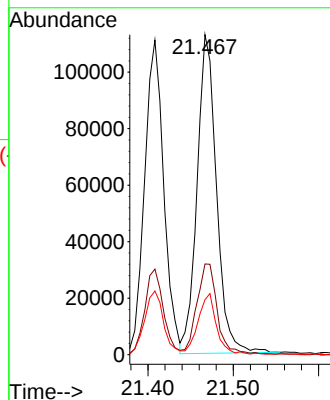
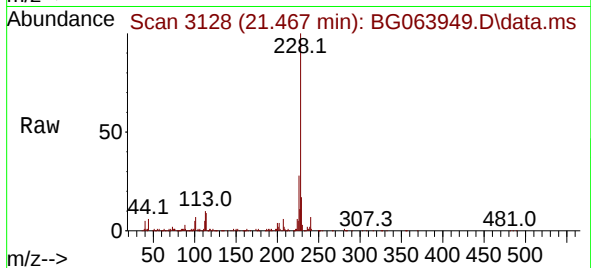
Tgt Ion:228 Resp: 178831

Ion Ratio Lower Upper

228 100

226 28.4 24.6 37.0

229 17.2 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.165 ng

RT: 21.320 min Scan# 3103

Delta R.T. -0.023 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

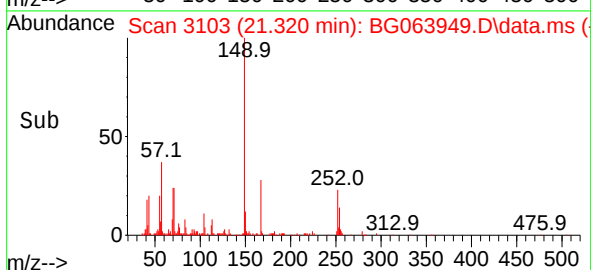
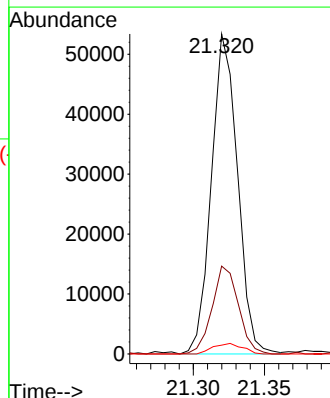
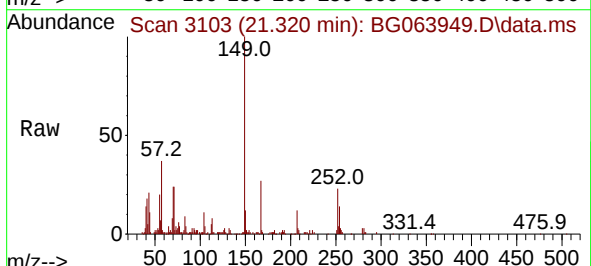
Tgt Ion:149 Resp: 68170

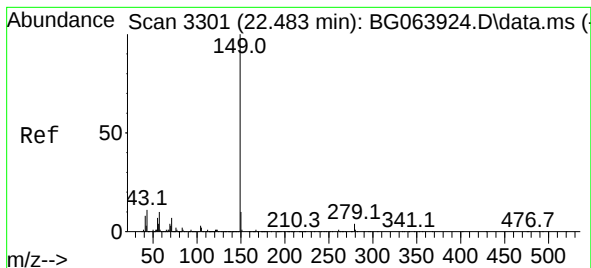
Ion Ratio Lower Upper

149 100

167 27.5 20.6 31.0

279 2.7 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 3.040 ng

RT: 22.448 min Scan# 31

Delta R.T. -0.035 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

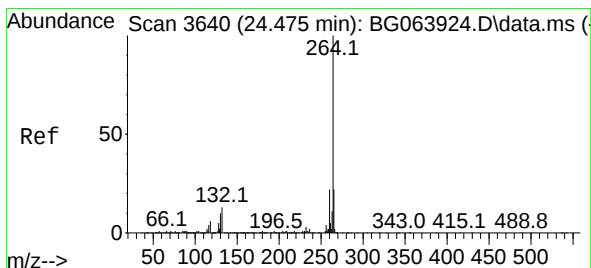
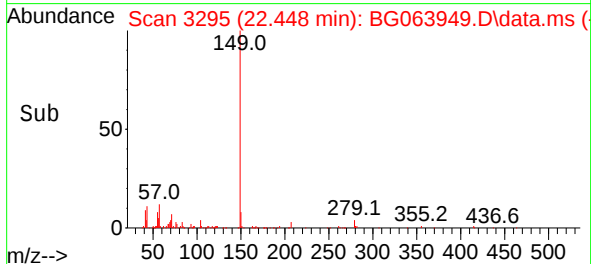
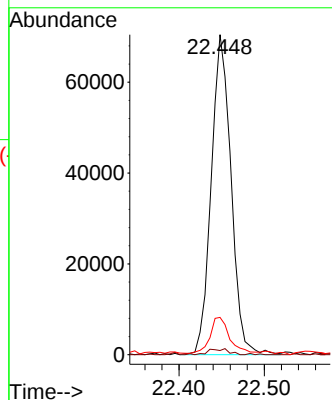
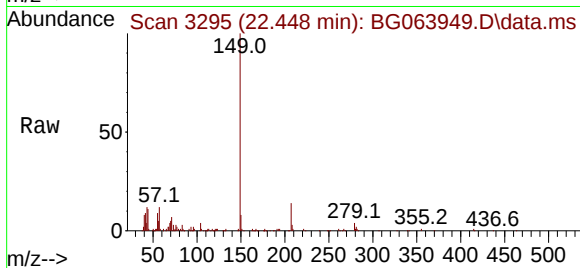
Tgt Ion:149 Resp: 114049

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 10.9 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.428 min Scan# 3632

Delta R.T. -0.047 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

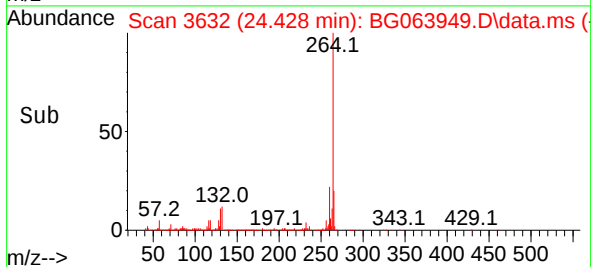
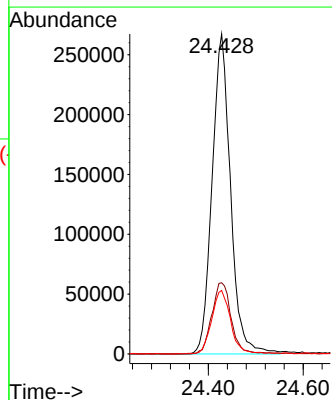
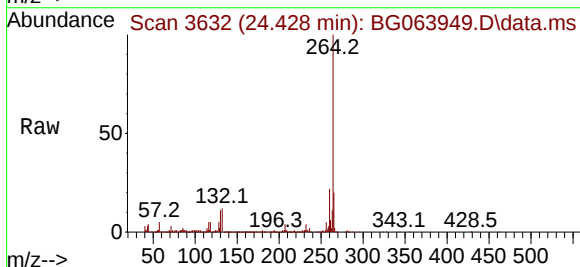
Tgt Ion:264 Resp: 720105

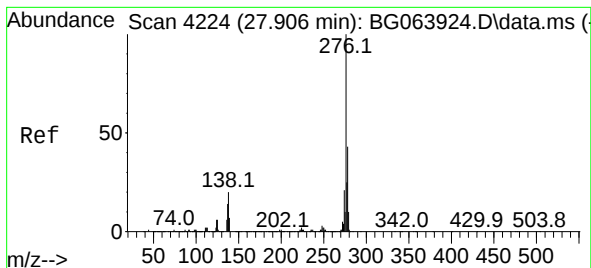
Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 19.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.574 ng

RT: 27.812 min Scan# 41

Delta R.T. -0.094 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

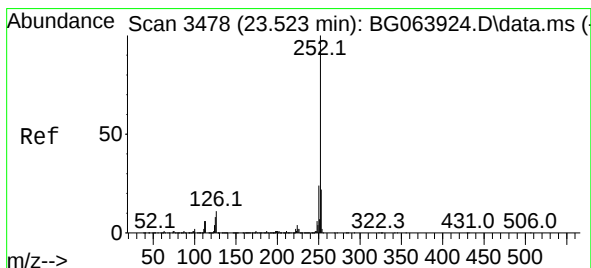
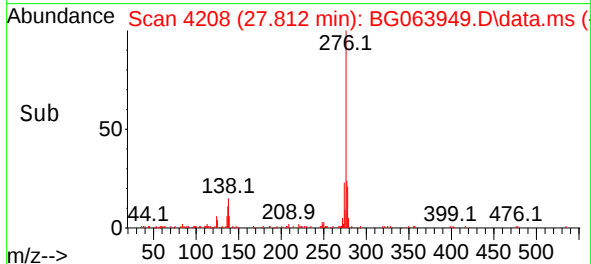
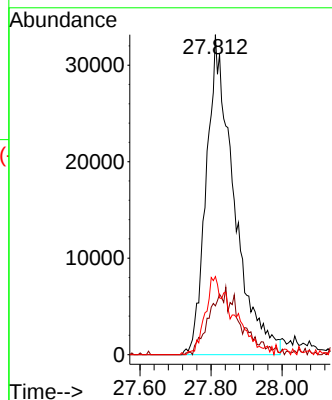
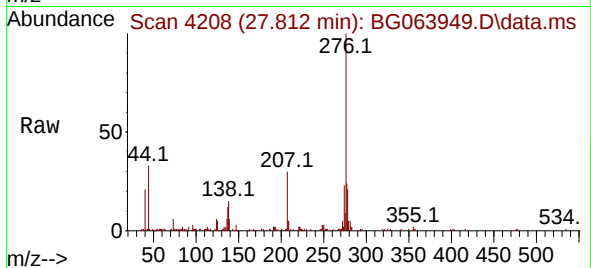
Tgt Ion:276 Resp: 178754

Ion Ratio Lower Upper

276 100

138 11.2 17.4 26.2#

277 13.4 19.6 29.4#



#88

Benzo(b)fluoranthene

Concen: 3.601 ng

RT: 23.476 min Scan# 3470

Delta R.T. -0.047 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

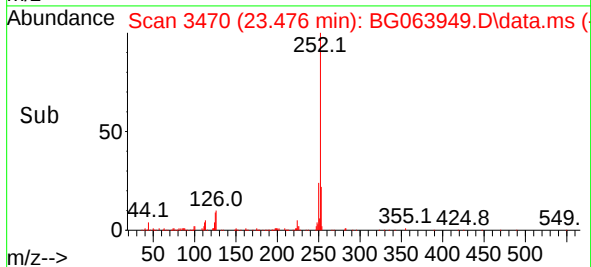
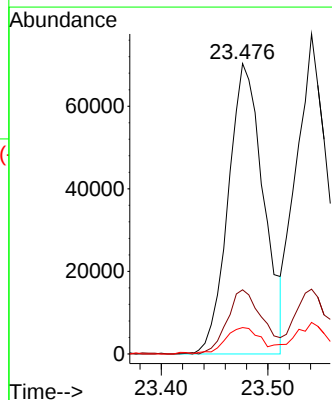
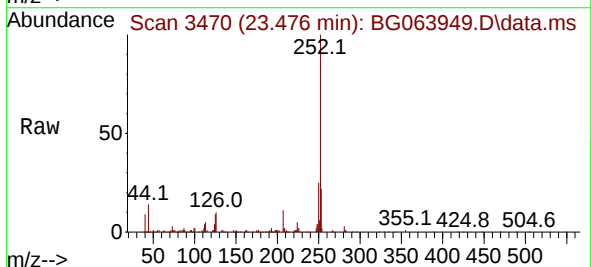
Tgt Ion:252 Resp: 162081

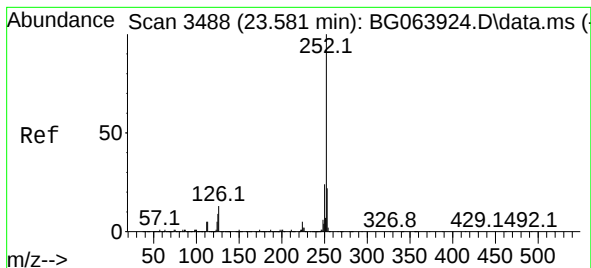
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.1 6.6 9.8





#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 23.541 min Scan# 34

Delta R.T. -0.041 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

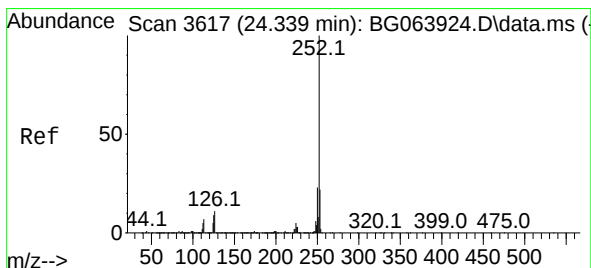
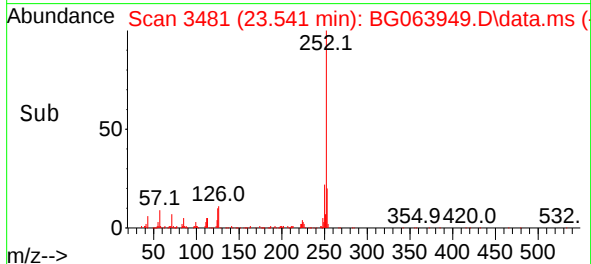
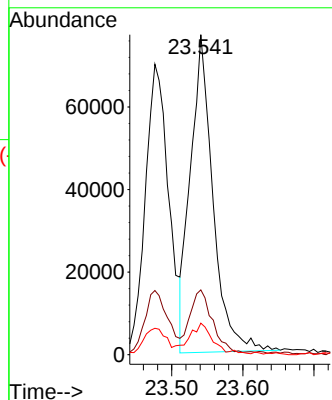
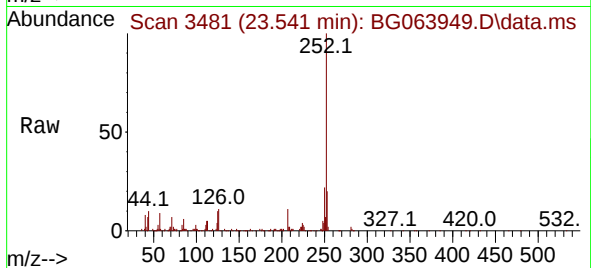
Tgt Ion:252 Resp: 169211

Ion Ratio Lower Upper

252 100

253 20.3 18.0 27.0

125 9.9 7.2 10.8



#90

Benzo(a)pyrene

Concen: 3.962 ng

RT: 24.281 min Scan# 3607

Delta R.T. -0.058 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

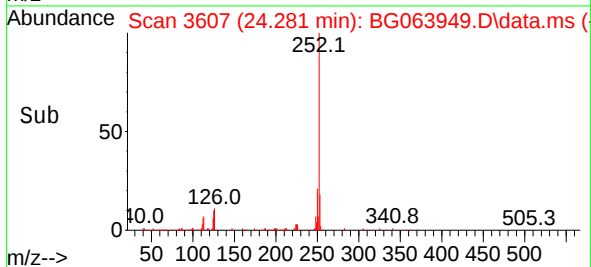
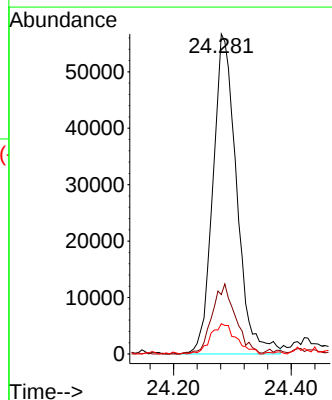
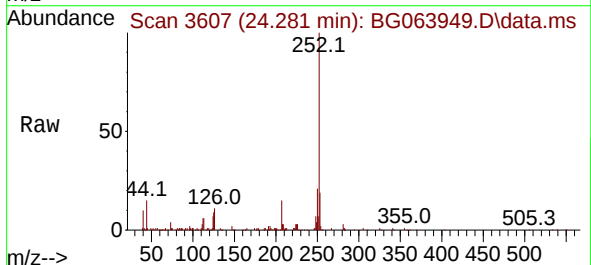
Tgt Ion:252 Resp: 158405

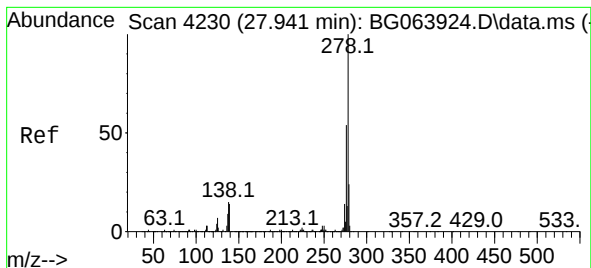
Ion Ratio Lower Upper

252 100

253 18.6 17.6 26.4

125 9.4 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.286 ng

RT: 27.859 min Scan# 41

Delta R.T. -0.082 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

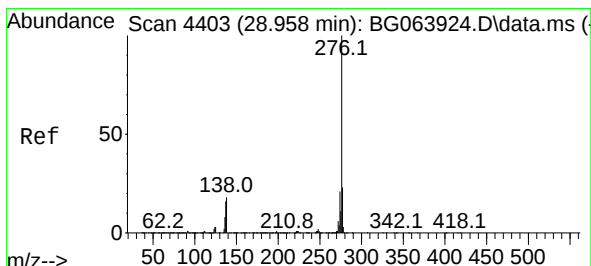
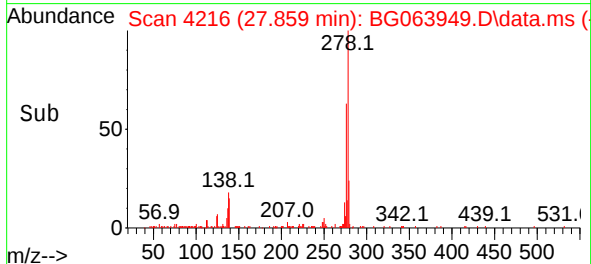
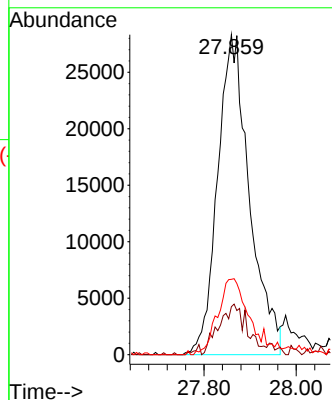
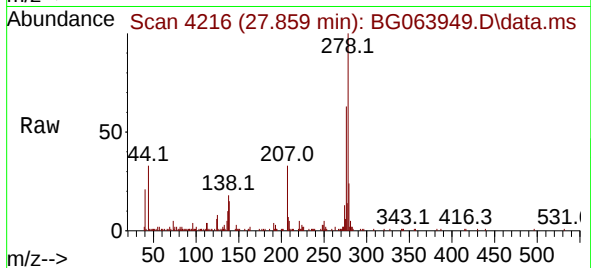
Tgt Ion:278 Resp: 135989

Ion Ratio Lower Upper

278 100

139 15.0 11.1 16.7

279 23.6 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 3.156 ng

RT: 28.870 min Scan# 4388

Delta R.T. -0.088 min

Lab File: BG063949.D

Acq: 10 Jan 2025 14:07

Tgt Ion:276 Resp: 134365

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 19.0 14.4 21.6

