

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020425\
 Data File : BG063988.D
 Acq On : 4 Feb 2025 11:05
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 04 12:01:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 04 02:51:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	61226	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	263699	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	174226	20.000	ng	0.00
64) Phenanthrene-d10	17.236	188	403983	20.000	ng	0.00
76) Chrysene-d12	21.472	240	429032	20.000	ng	0.00
86) Perylene-d12	24.498	264	449895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	421551	110.391	ng	0.00
7) Phenol-d6	7.036	99	584091	111.457	ng	0.00
23) Nitrobenzene-d5	9.022	82	361720	83.366	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	203748	104.608	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	884171	77.754	ng	0.00
79) Terphenyl-d14	19.862	244	1571902	76.518	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	15994	8.819	ng	93
3) Pyridine	3.781	79	39383	8.042	ng	# 87
4) n-Nitrosodimethylamine	3.693	42	26640	9.461	ng	# 93
6) Aniline	7.200	93	55351	9.856	ng	96
8) 2-Chlorophenol	7.435	128	40740	10.470	ng	99
9) Benzaldehyde	7.012	77	39696	13.876	ng	96
10) Phenol	7.059	94	52463	9.510	ng	93
11) bis(2-Chloroethyl)ether	7.300	93	42262	9.514	ng	97
12) 1,3-Dichlorobenzene	7.764	146	42192	9.112	ng	98
13) 1,4-Dichlorobenzene	7.911	146	45114	9.647	ng	92
14) 1,2-Dichlorobenzene	8.223	146	44364	9.898	ng	93
15) Benzyl Alcohol	8.105	79	36465	9.309	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.393	45	86196	9.636	ng	99
17) 2-Methylphenol	8.305	107	33015	9.254	ng	93
18) Hexachloroethane	8.957	117	14752	9.585	ng	96
19) n-Nitroso-di-n-propyla...	8.675	70	34757	9.577	ng	92
20) 3+4-Methylphenols	8.628	107	43725	9.199	ng	96
22) Acetophenone	8.687	105	70483	9.728	ng	# 98
24) Nitrobenzene	9.063	77	46904	12.432	ng	99
25) Isophorone	9.586	82	92748	9.861	ng	97
26) 2-Nitrophenol	9.774	139	8729	14.340	ng	# 95
27) 2,4-Dimethylphenol	9.832	122	19563	7.230	ng	96
28) bis(2-Chloroethoxy)met...	10.073	93	55252	9.232	ng	96
29) 2,4-Dichlorophenol	10.303	162	31116	11.435	ng	93
30) 1,2,4-Trichlorobenzene	10.526	180	42254	9.506	ng	93
31) Naphthalene	10.708	128	132070	9.342	ng	96
32) Benzoic acid	9.915	122	10680	13.560	ng	# 71
33) 4-Chloroaniline	10.814	127	50310	9.288	ng	99
34) Hexachlorobutadiene	11.008	225	28313	10.002	ng	98
35) Caprolactam	11.548	113	11333	12.601	ng	# 81
36) 4-Chloro-3-methylphenol	11.930	107	38703	8.937	ng	94
37) 2-Methylnaphthalene	12.324	142	88951	9.029	ng	99
38) 1-Methylnaphthalene	12.541	142	83642	8.580	ng	96
40) 1,2,4,5-Tetrachloroben...	12.688	216	50658	9.860	ng	100
41) Hexachlorocyclopentadiene	12.676	237	14184	10.908	ng	97
43) 2,4,6-Trichlorophenol	12.923	196	23190	11.792	ng	98

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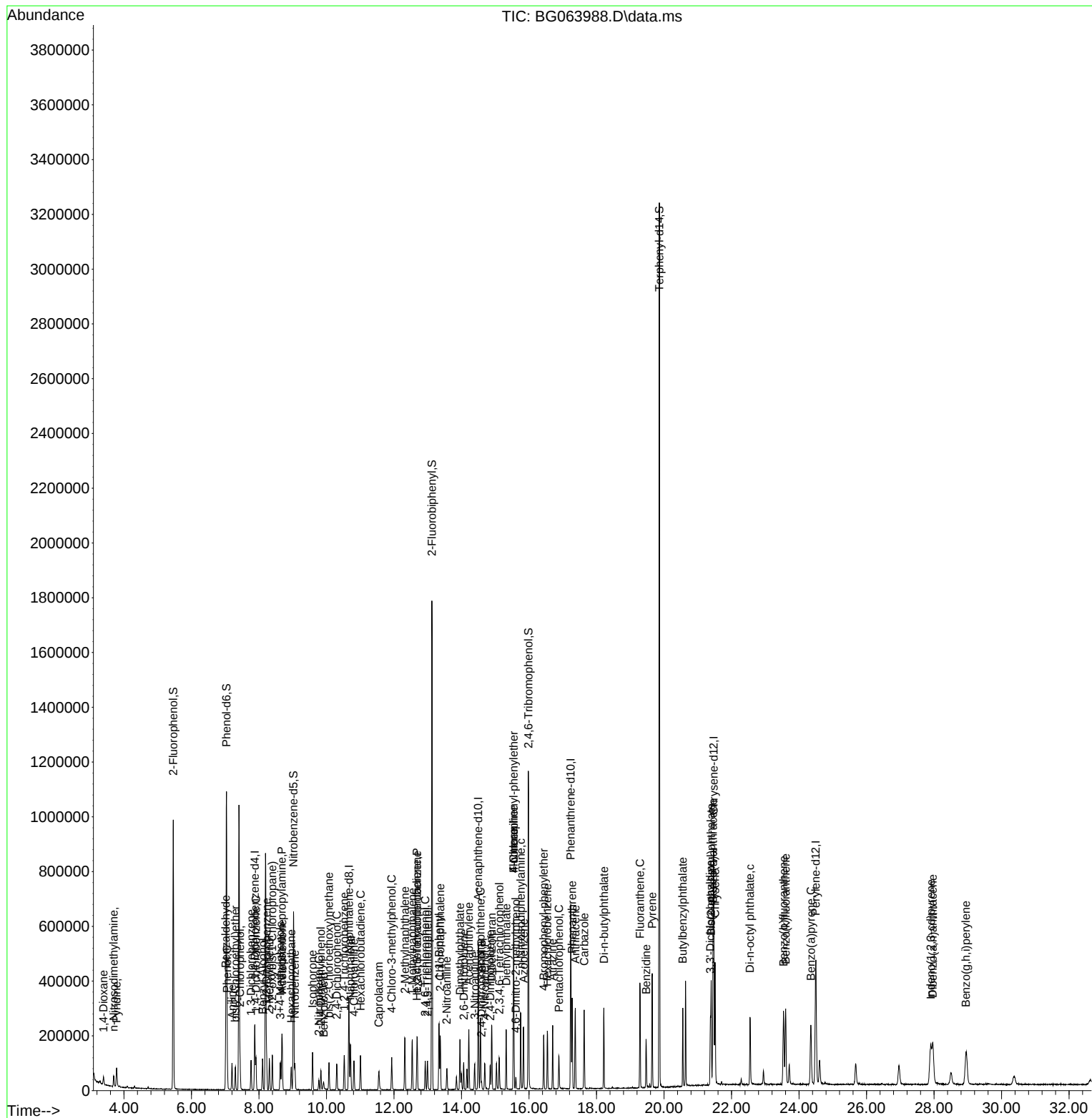
Quant Time: Feb 04 12:01:17 2025
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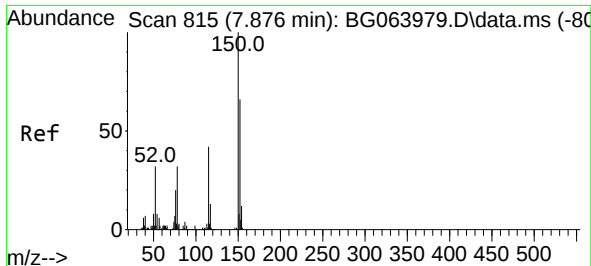
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	25763	10.901	ng	96
46) 1,1'-Biphenyl	13.334	154	130378	9.829	ng	99
47) 2-Chloronaphthalene	13.370	162	93608	9.682	ng	99
48) 2-Nitroaniline	13.563	65	19260	12.375	ng	95
49) Acenaphthylene	14.216	152	147200	9.802	ng	99
50) Dimethylphthalate	13.957	163	113212	9.800	ng	99
51) 2,6-Dinitrotoluene	14.069	165	16614	12.235	ng	87
52) Acenaphthene	14.562	154	94246	9.356	ng	97
53) 3-Nitroaniline	14.392	138	18051	11.600	ng	94
54) 2,4-Dinitrophenol	14.592	184	4227	14.275	ng	93
55) Dibenzofuran	14.897	168	154172	9.426	ng	97
56) 4-Nitrophenol	14.692	139	17218	15.328	ng	91
57) 2,4-Dinitrotoluene	14.850	165	19136	11.843	ng	88
58) Fluorene	15.543	166	121368	9.600	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.120	232	24018	11.740	ng	# 98
60) Diethylphthalate	15.326	149	118741	9.695	ng	99
61) 4-Chlorophenyl-phenyle...	15.543	204	61986	9.772	ng	96
62) 4-Nitroaniline	15.543	138	21038	11.002	ng	91
63) Azobenzene	15.837	77	133361	9.219	ng	97
65) 4,6-Dinitro-2-methylph...	15.608	198	7725	14.384	ng	100
66) n-Nitrosodiphenylamine	15.755	169	102147	9.120	ng	100
67) 4-Bromophenyl-phenylether	16.436	248	37573	9.344	ng	97
68) Hexachlorobenzene	16.542	284	42721	9.037	ng	# 90
69) Atrazine	16.701	200	40154	10.773	ng	98
70) Pentachlorophenol	16.889	266	22836	15.281	ng	96
71) Phenanthrene	17.277	178	200679	9.458	ng	100
72) Anthracene	17.371	178	189926	8.946	ng	98
73) Carbazole	17.635	167	181913	9.153	ng	98
74) Di-n-butylphthalate	18.217	149	196974	9.508	ng	99
75) Fluoranthene	19.286	202	235332	9.108	ng	98
77) Benzidine	19.468	184	101777	11.140	ng	96
78) Pyrene	19.650	202	258342	9.754	ng	99
80) Butylbenzylphthalate	20.555	149	71067	12.351	ng	97
81) Benzo(a)anthracene	21.448	228	268323	9.850	ng	97
82) 3,3'-Dichlorobenzidine	21.372	252	85619	10.093	ng	97
83) Chrysene	21.513	228	261229	9.637	ng	99
84) Bis(2-ethylhexyl)phtha...	21.395	149	122810	11.978	ng	96
85) Di-n-octyl phthalate	22.547	149	188459	13.583	ng	99
87) Indeno(1,2,3-cd)pyrene	27.905	276	283730	9.776	ng	# 97
88) Benzo(b)fluoranthene	23.540	252	250085	9.440	ng	98
89) Benzo(k)fluoranthene	23.605	252	247302	9.091	ng	98
90) Benzo(a)pyrene	24.351	252	227067	9.602	ng	97
91) Dibenzo(a,h)anthracene	27.964	278	228172	9.310	ng	96
92) Benzo(g,h,i)perylene	28.945	276	225876	9.130	ng	96

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

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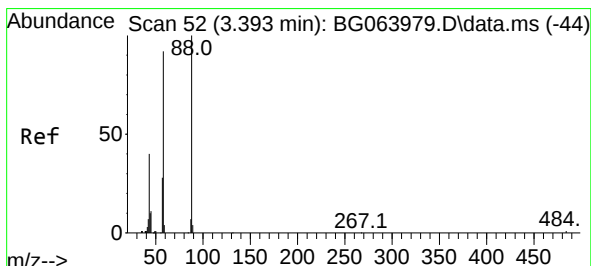
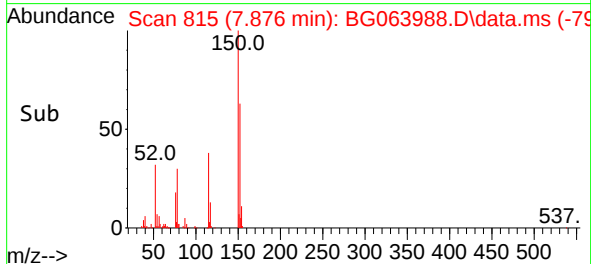
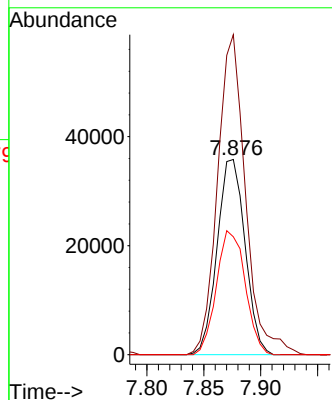
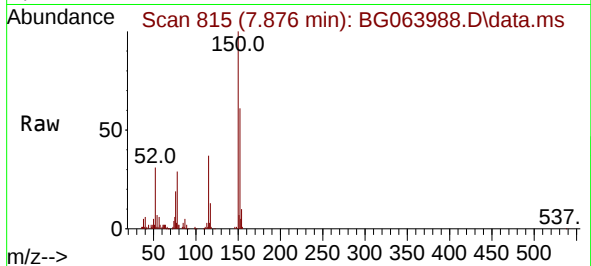




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.876 min Scan# 815
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

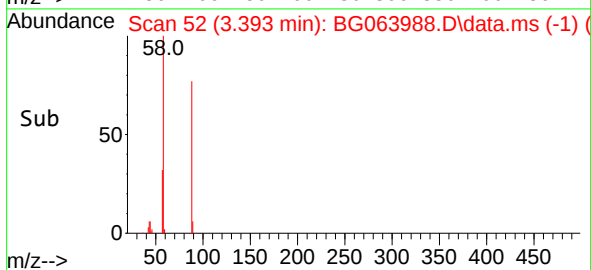
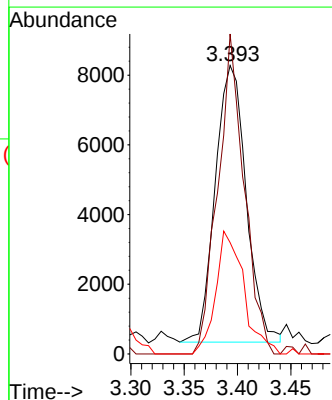
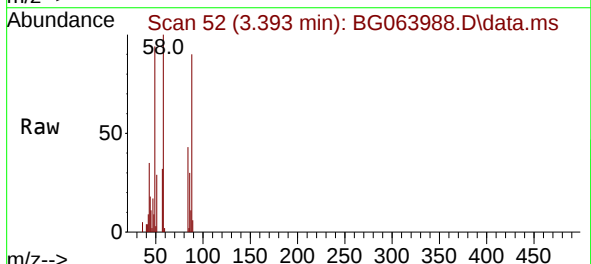
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

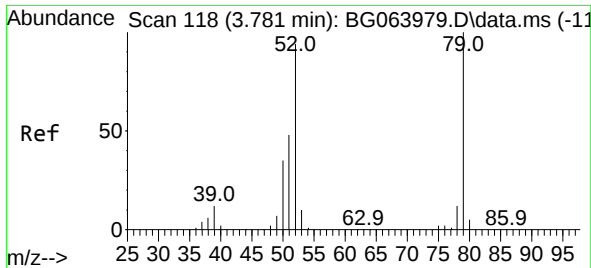
Tgt Ion:152 Resp: 61226
Ion Ratio Lower Upper
152 100
150 163.9 121.0 181.6
115 60.4 50.4 75.6



#2
1,4-Dioxane
Concen: 8.819 ng
RT: 3.393 min Scan# 52
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 88 Resp: 15994
Ion Ratio Lower Upper
88 100
58 98.3 71.8 107.8
43 40.2 31.2 46.8





#3

Pyridine

Concen: 8.042 ng

RT: 3.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

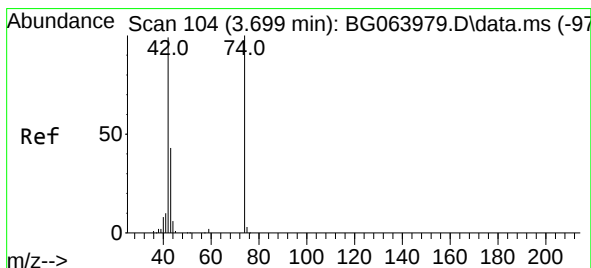
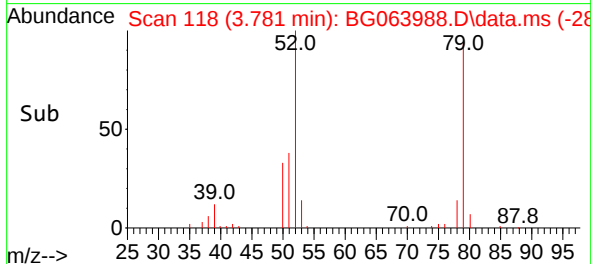
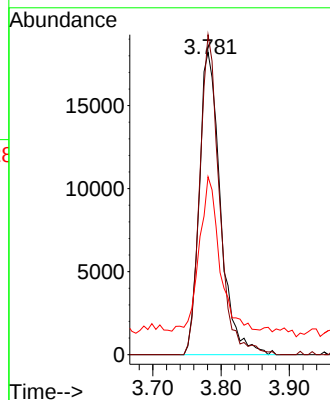
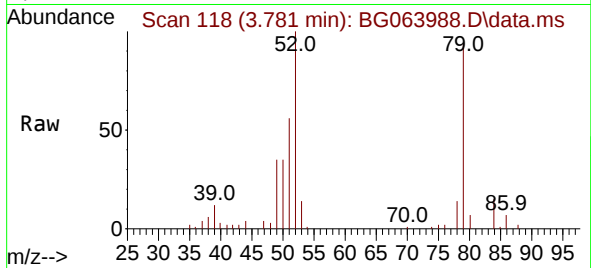
Tgt Ion: 79 Resp: 39383

Ion Ratio Lower Upper

79 100

52 105.8 75.1 112.7

51 58.9 38.9 58.3#



#4

n-Nitrosodimethylamine

Concen: 9.461 ng

RT: 3.693 min Scan# 103

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

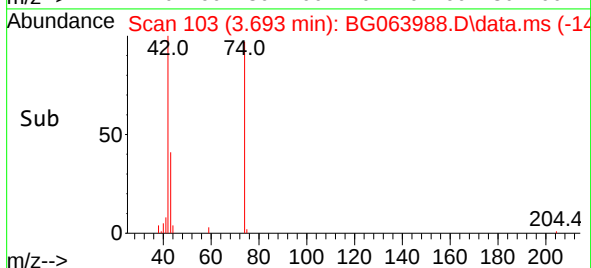
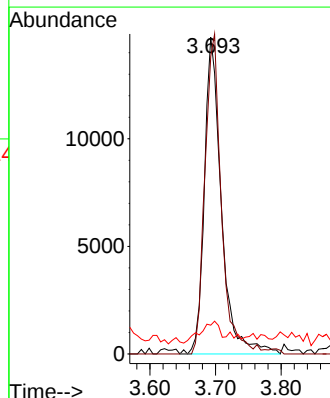
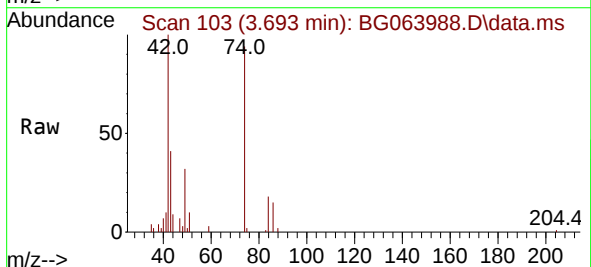
Tgt Ion: 42 Resp: 26640

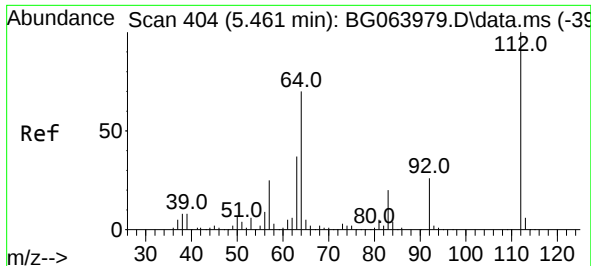
Ion Ratio Lower Upper

42 100

74 94.0 80.8 121.2

44 9.1 5.8 8.6#

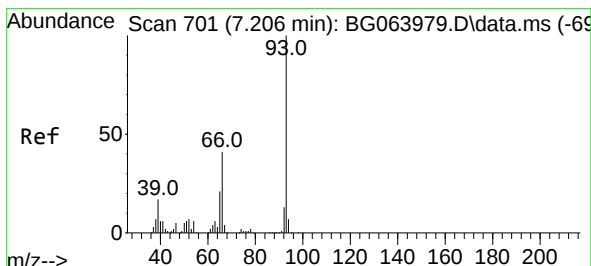
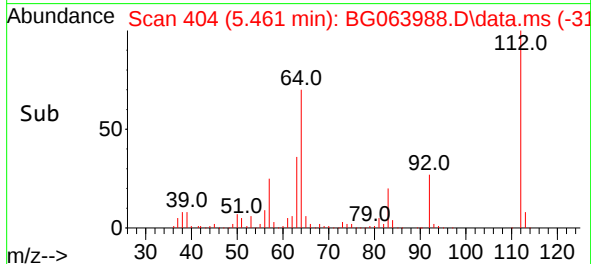
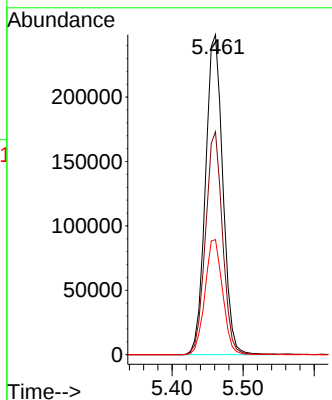
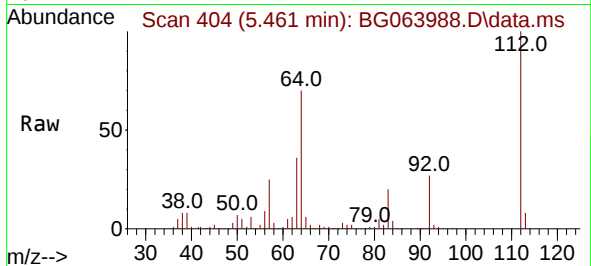




#5
2-Fluorophenol
Concen: 110.391 ng
RT: 5.461 min Scan# 404
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

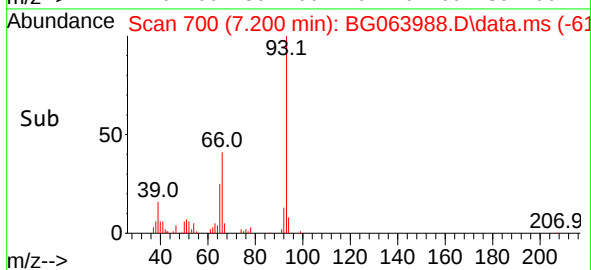
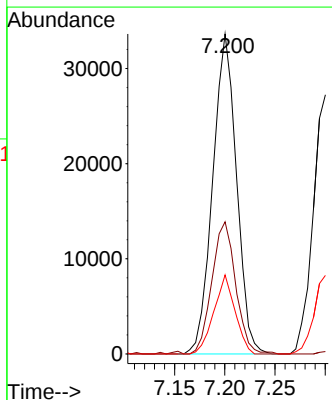
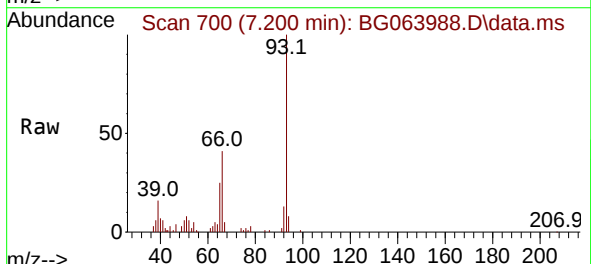
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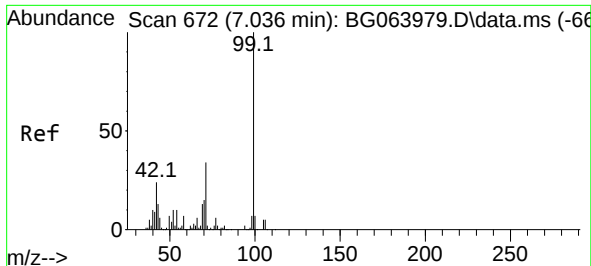
Tgt Ion:112 Resp: 421551
Ion Ratio Lower Upper
112 100
64 69.7 55.8 83.8
63 35.9 29.3 43.9



#6
Aniline
Concen: 9.856 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 93 Resp: 55351
Ion Ratio Lower Upper
93 100
66 41.3 32.5 48.7
65 24.7 16.6 25.0

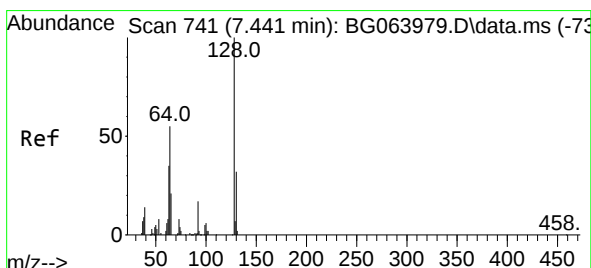
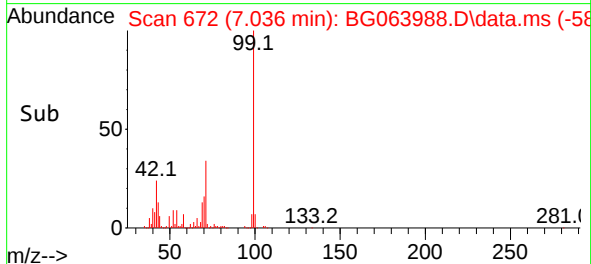
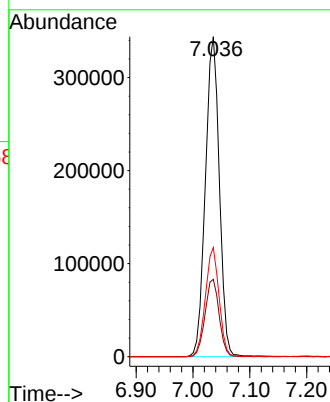
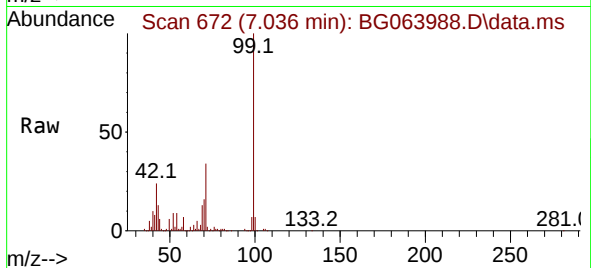




#7
Phenol-d6
Concen: 111.457 ng
RT: 7.036 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

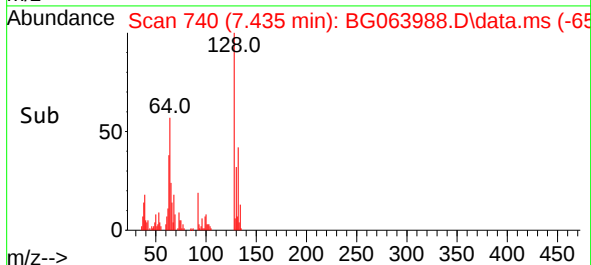
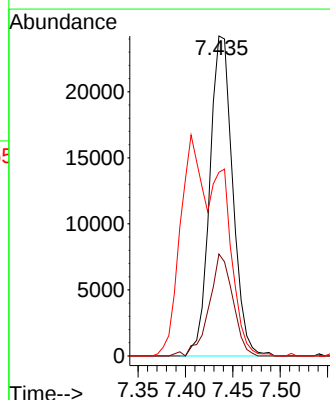
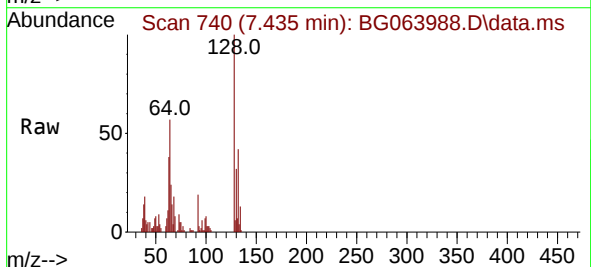
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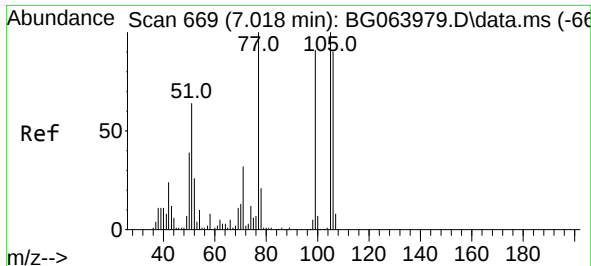
Tgt Ion: 99 Resp: 584091
Ion Ratio Lower Upper
99 100
42 24.2 18.9 28.3
71 34.1 27.0 40.6



#8
2-Chlorophenol
Concen: 10.470 ng
RT: 7.435 min Scan# 740
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:128 Resp: 40740
Ion Ratio Lower Upper
128 100
130 31.9 11.9 51.9
64 57.4 36.8 76.8

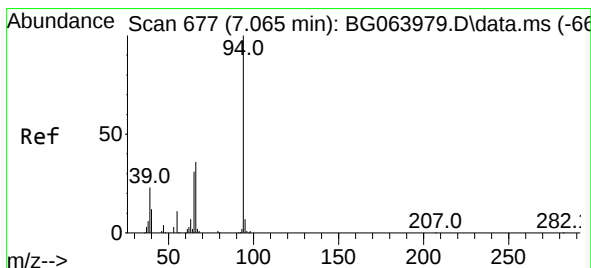
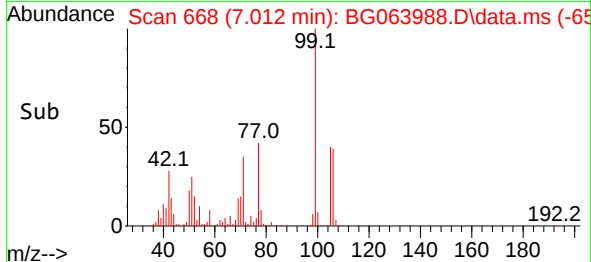
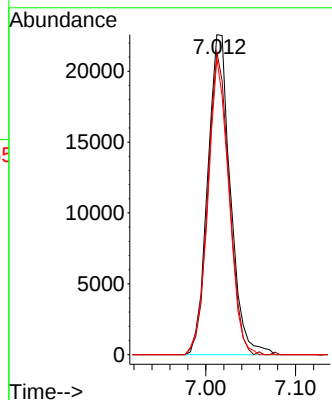
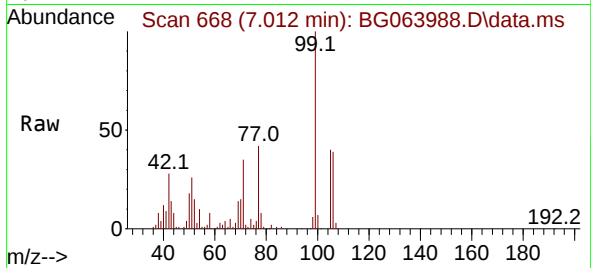




#9
Benzaldehyde
Concen: 13.876 ng
RT: 7.012 min Scan# 610
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

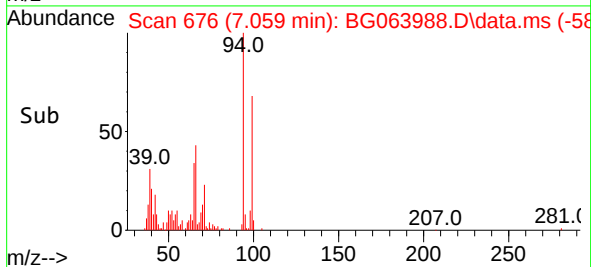
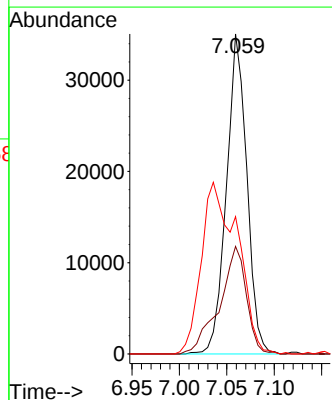
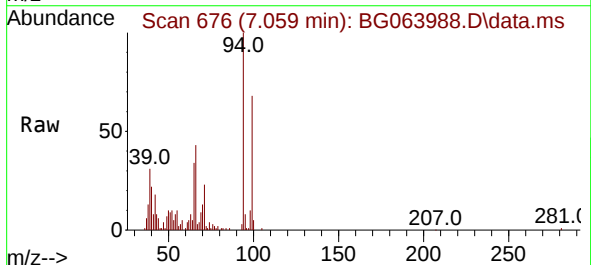
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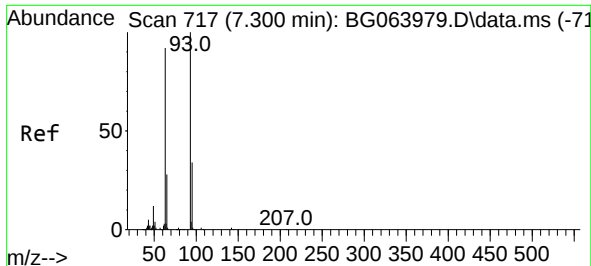
Tgt Ion: 77 Resp: 39696
Ion Ratio Lower Upper
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105 94.5 79.8 119.8
106 92.5 69.9 109.9



#10
Phenol
Concen: 9.510 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 94 Resp: 52463
Ion Ratio Lower Upper
94 100
65 33.6 11.4 51.4
66 42.9 16.7 56.7

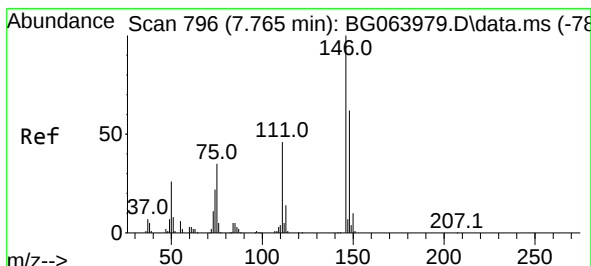
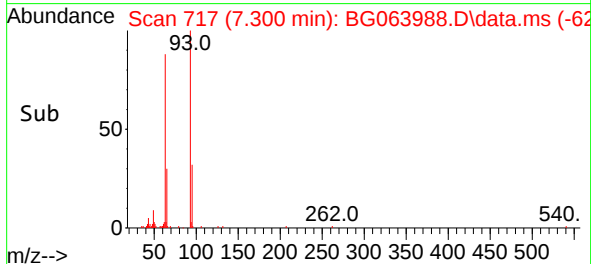
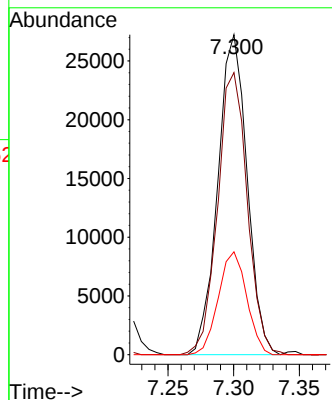
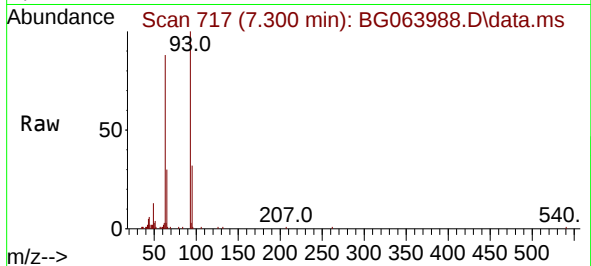




#11
bis(2-Chloroethyl)ether
Concen: 9.514 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

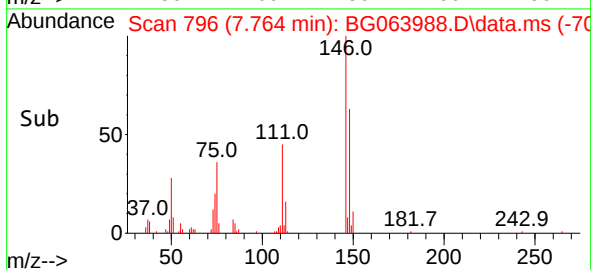
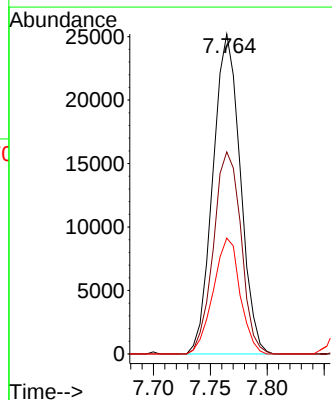
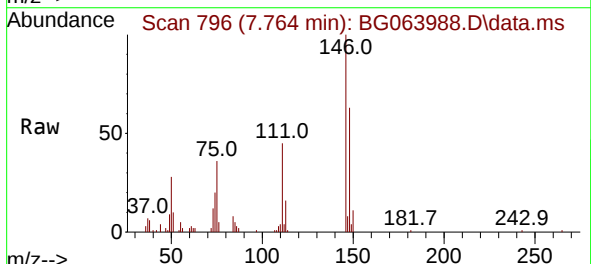
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

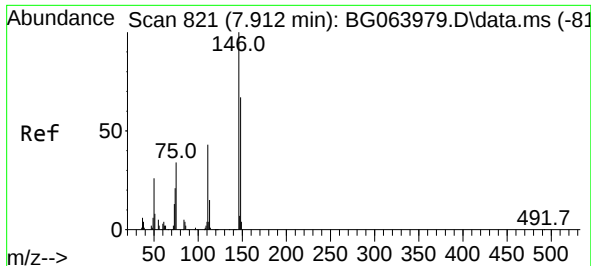
Tgt Ion: 93 Resp: 42262
Ion Ratio Lower Upper
93 100
63 88.1 71.2 111.2
95 32.2 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 9.112 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:146 Resp: 42192
Ion Ratio Lower Upper
146 100
148 63.2 49.6 74.4
75 36.2 27.8 41.8

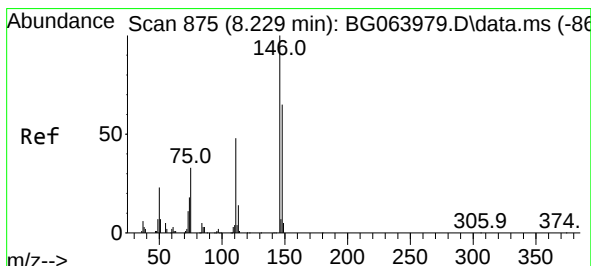
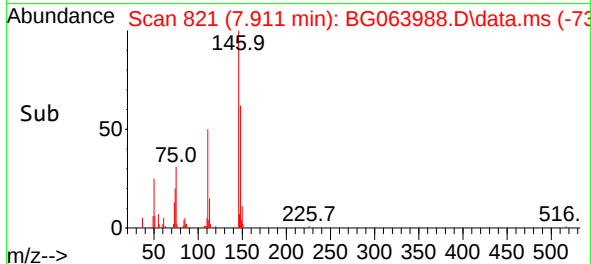
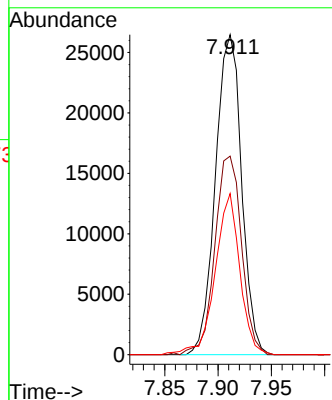
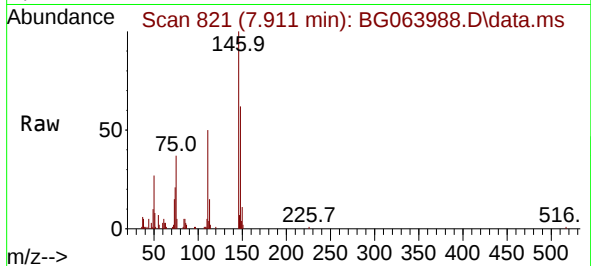




#13
1,4-Dichlorobenzene
Concen: 9.647 ng
RT: 7.911 min Scan# 811
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

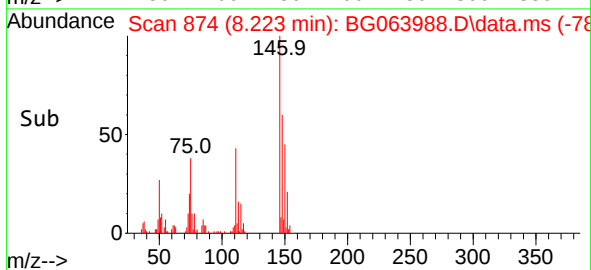
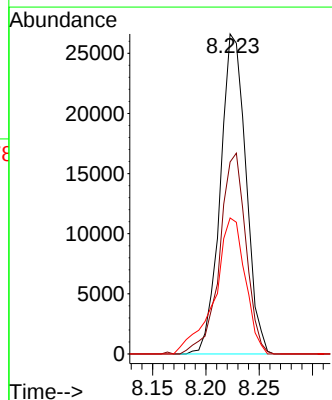
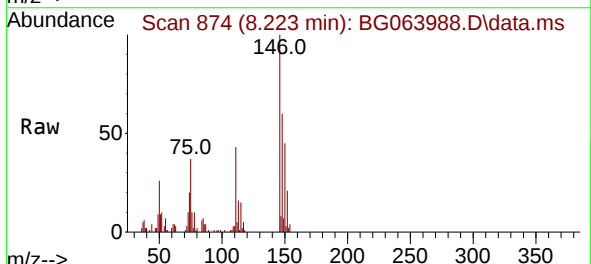
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

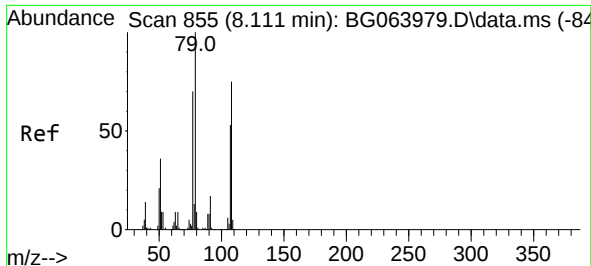
Tgt Ion:	146	Resp:	45114
Ion Ratio	Lower	Upper	
146	100		
148	62.0	53.3	79.9
111	50.3	34.8	52.2



#14
1,2-Dichlorobenzene
Concen: 9.898 ng
RT: 8.223 min Scan# 874
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:	146	Resp:	44364
Ion Ratio	Lower	Upper	
146	100		
148	60.0	52.0	78.0
111	42.5	38.2	57.2

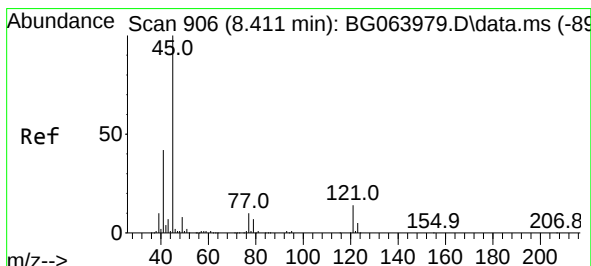
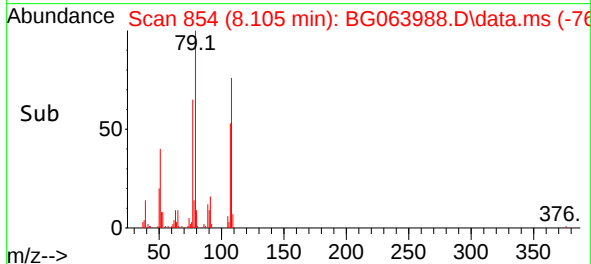
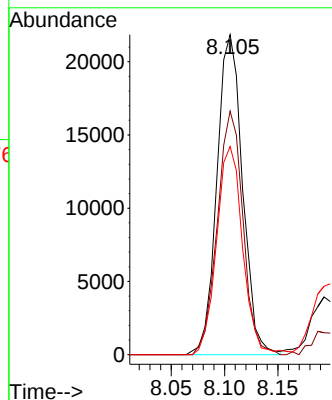
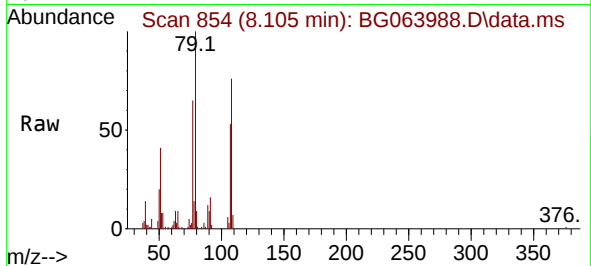




#15
Benzyl Alcohol
Concen: 9.309 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

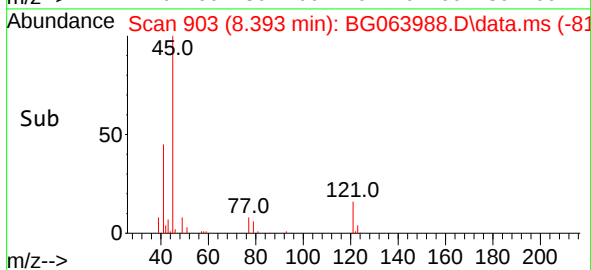
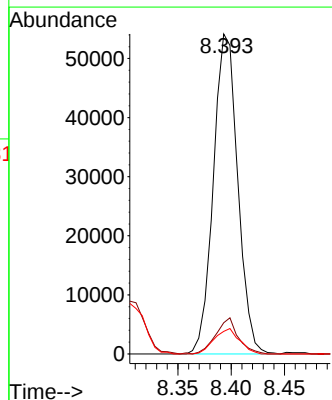
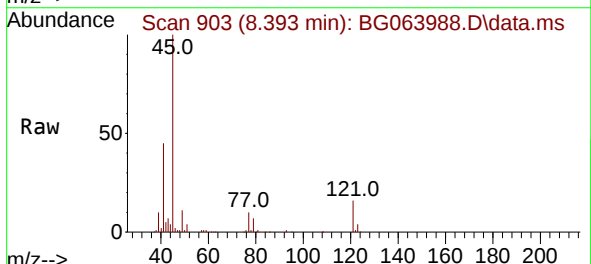
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

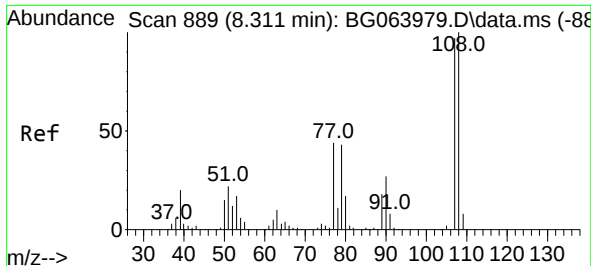
Tgt Ion: 79 Resp: 36465
Ion Ratio Lower Upper
79 100
108 76.1 60.3 90.5
77 65.1 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.636 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.018 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 45 Resp: 86196
Ion Ratio Lower Upper
45 100
77 9.8 0.0 29.8
79 7.1 0.0 27.7

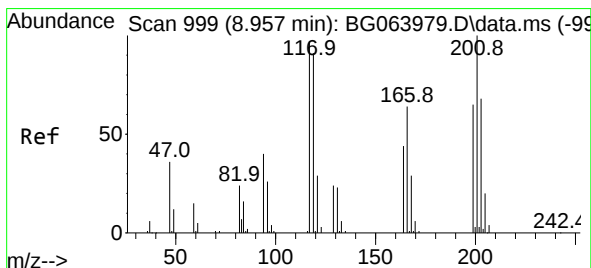
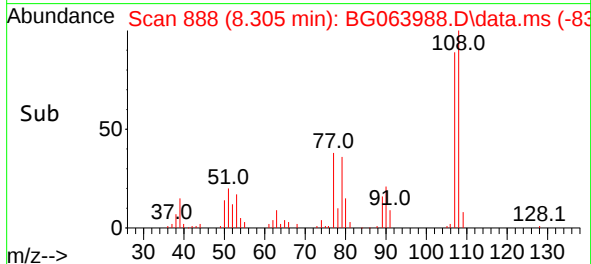
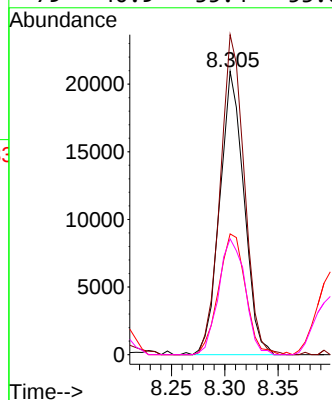
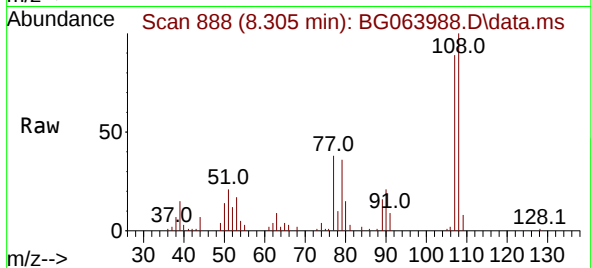




#17
2-Methylphenol
Concen: 9.254 ng
RT: 8.305 min Scan# 889
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

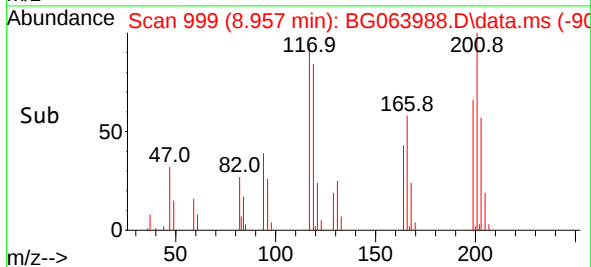
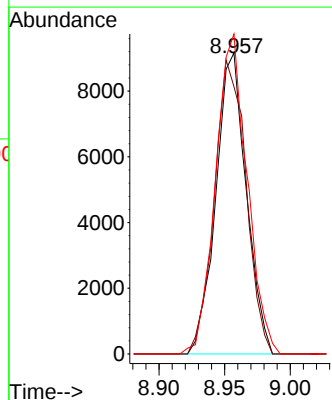
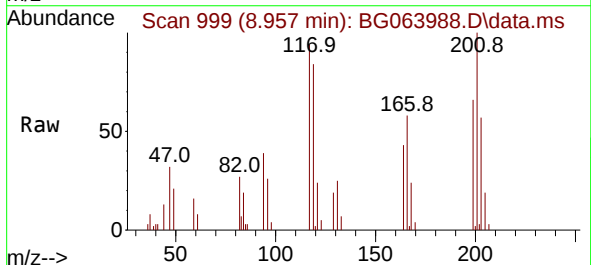
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

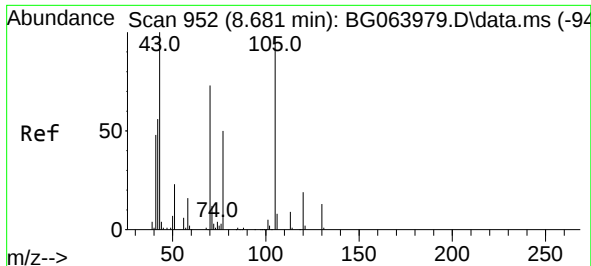
Tgt Ion:107	Resp:	33015
Ion Ratio	Lower	Upper
107	100	
108	112.9	82.9 124.3
77	42.7	36.4 54.6
79	40.9	35.4 53.0



#18
Hexachloroethane
Concen: 9.585 ng
RT: 8.957 min Scan# 999
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:117	Resp:	14752
Ion Ratio	Lower	Upper
117	100	
119	88.9	75.4 113.0
201	106.3	82.4 123.6

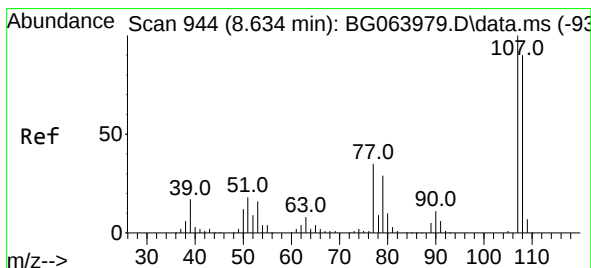
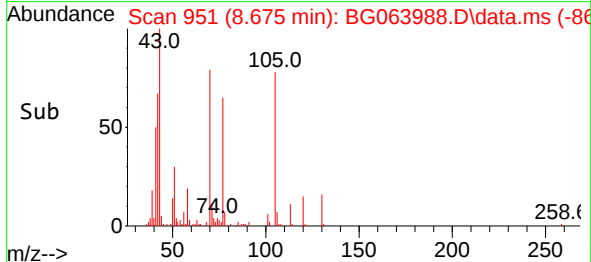
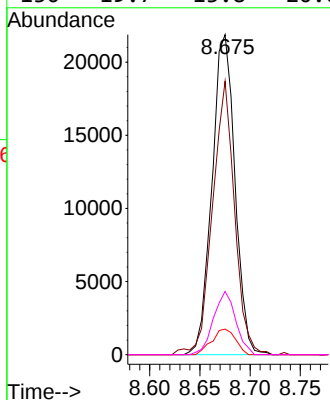
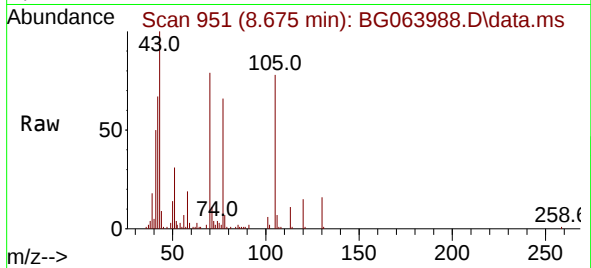




#19
n-Nitroso-di-n-propylamine
Concen: 9.577 ng
RT: 8.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

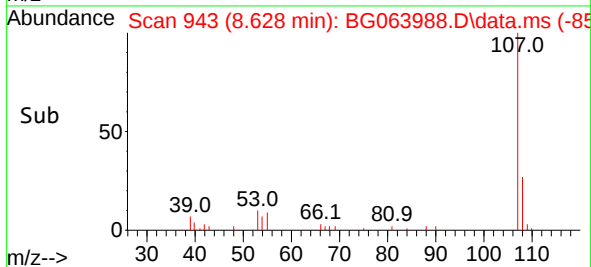
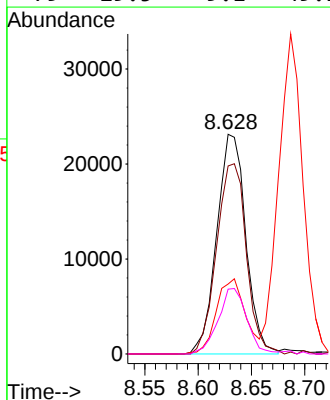
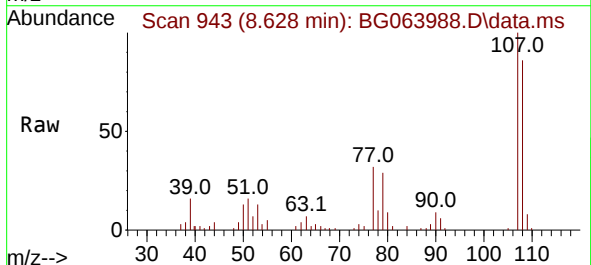
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

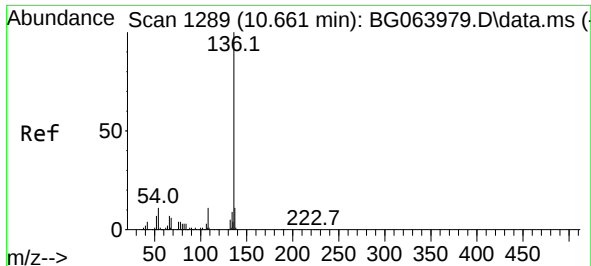
Tgt Ion: 70 Resp: 34757
Ion Ratio Lower Upper
70 100
42 85.4 62.2 93.4
101 8.0 5.6 8.4
130 19.7 13.8 20.6



#20
3+4-Methylphenols
Concen: 9.199 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 107 Resp: 43725
Ion Ratio Lower Upper
107 100
108 85.5 70.0 110.0
77 31.8 15.2 55.2
79 29.5 9.1 49.1

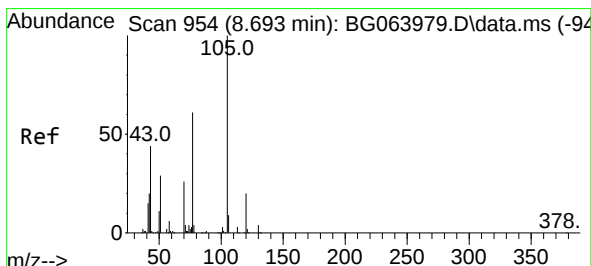
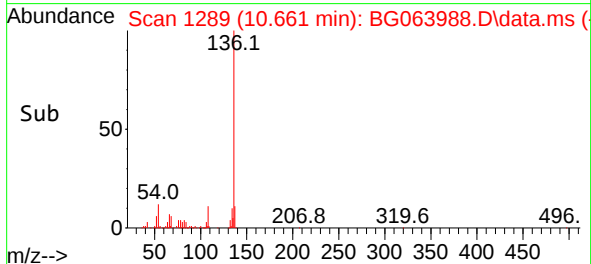
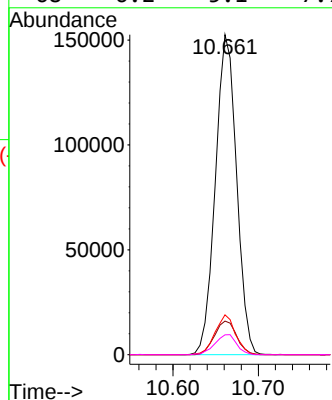
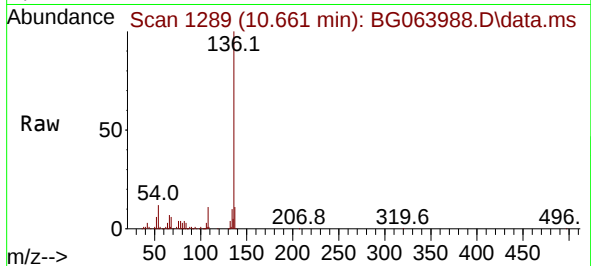




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.661 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

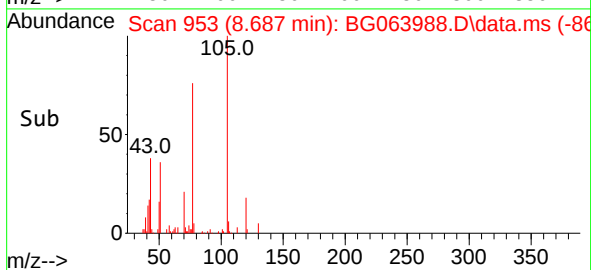
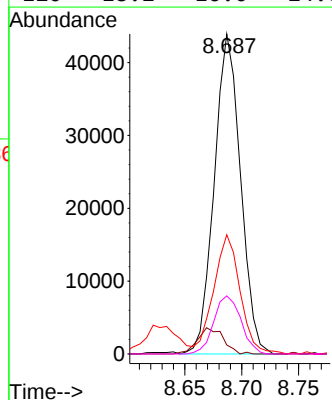
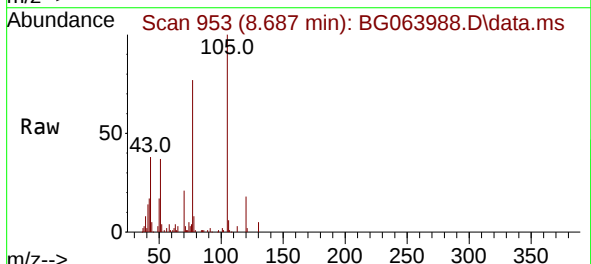
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2024

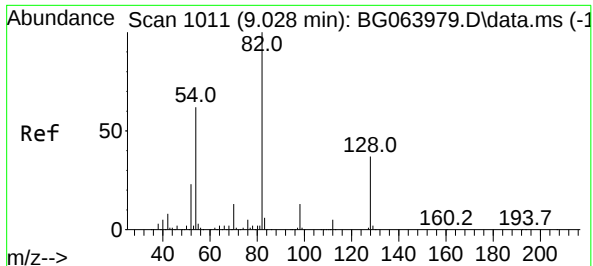
Tgt Ion:	136	Resp:	263699
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	12.4	9.2	13.8
68	6.2	5.1	7.7



#22
Acetophenone
Concen: 9.728 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:	105	Resp:	70483
Ion	Ratio	Lower	Upper
105	100		
71	2.8	3.1	4.7#
51	37.2	29.9	44.9
120	18.2	16.0	24.0





#23

Nitrobenzene-d5

Concen: 83.366 ng

RT: 9.022 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

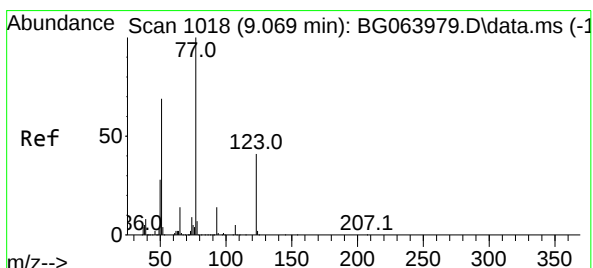
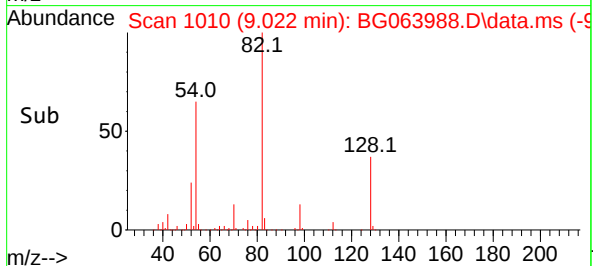
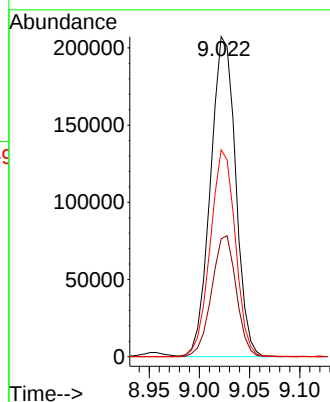
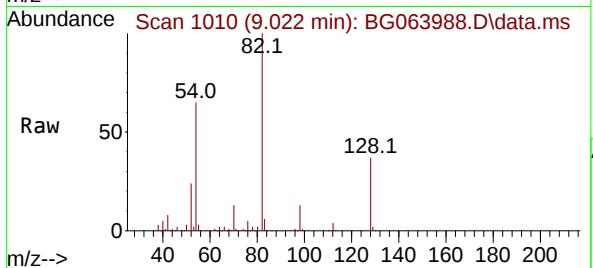
Tgt Ion: 82 Resp: 361720

Ion Ratio Lower Upper

82 100

128 36.8 29.4 44.2

54 64.6 49.9 74.9



#24

Nitrobenzene

Concen: 12.432 ng

RT: 9.063 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

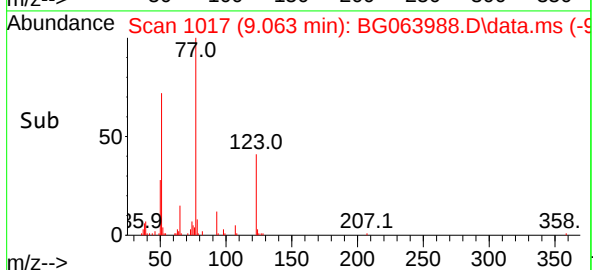
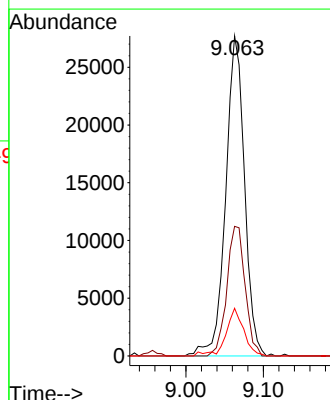
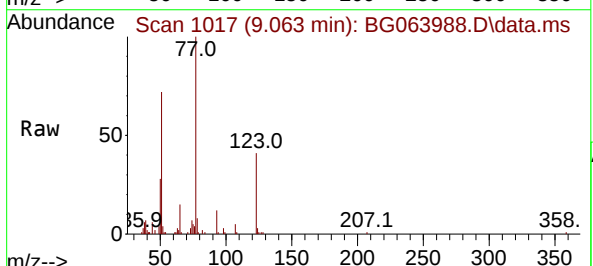
Tgt Ion: 77 Resp: 46904

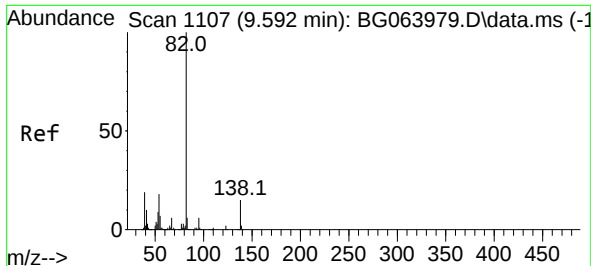
Ion Ratio Lower Upper

77 100

123 40.5 32.9 49.3

65 14.9 11.0 16.6

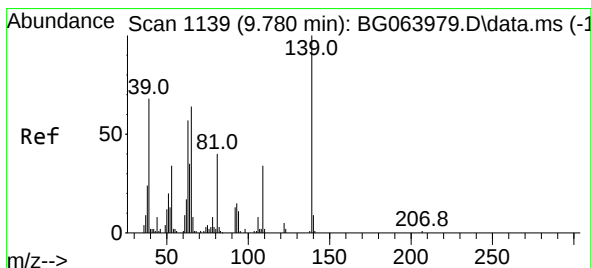
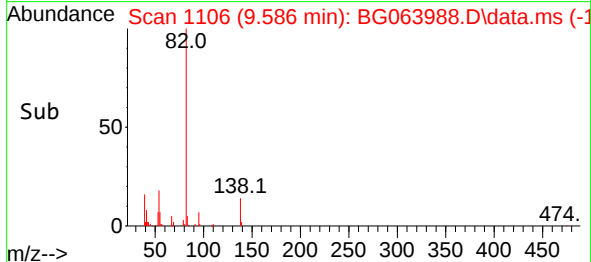
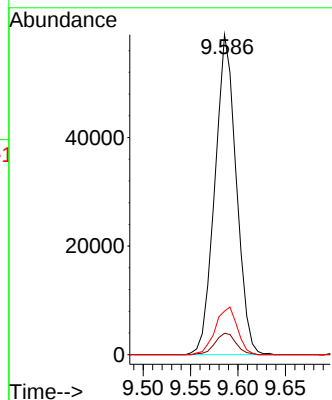
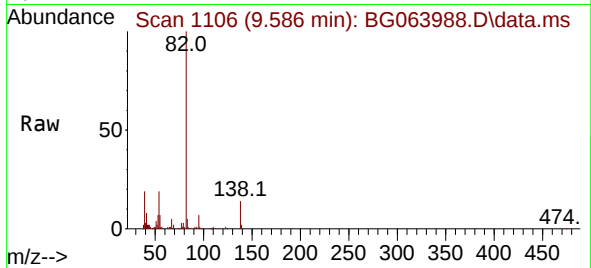




#25
Isophorone
Concen: 9.861 ng
RT: 9.586 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

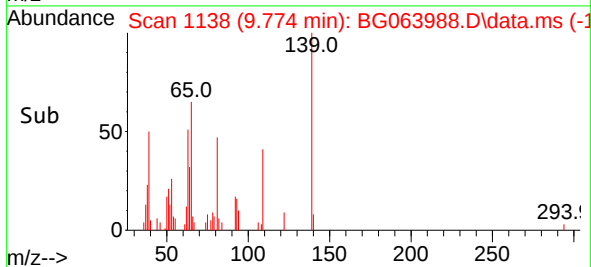
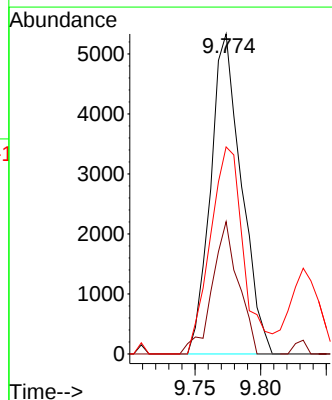
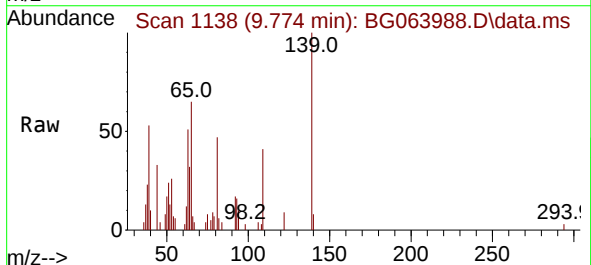
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

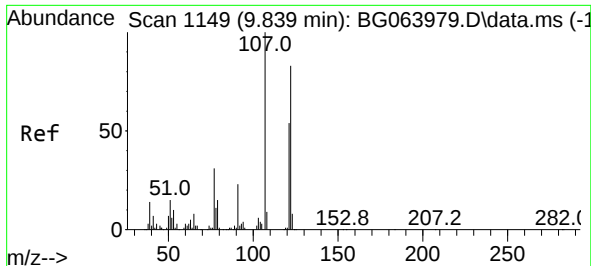
Tgt Ion: 82 Resp: 92748
Ion Ratio Lower Upper
82 100
95 6.7 5.0 7.4
138 13.6 12.2 18.4



#26
2-Nitrophenol
Concen: 14.340 ng
RT: 9.774 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:139 Resp: 8729
Ion Ratio Lower Upper
139 100
109 41.4 27.1 40.7#
65 64.7 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 7.230 ng

RT: 9.832 min Scan# 1148

Delta R.T. -0.007 min

Lab File: BG063988.D

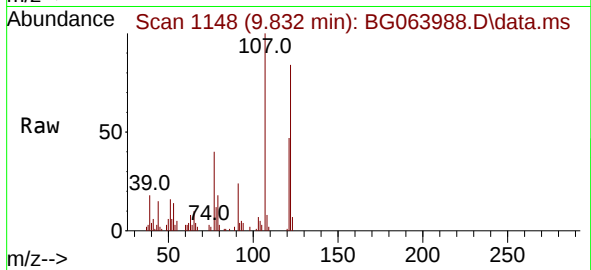
Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



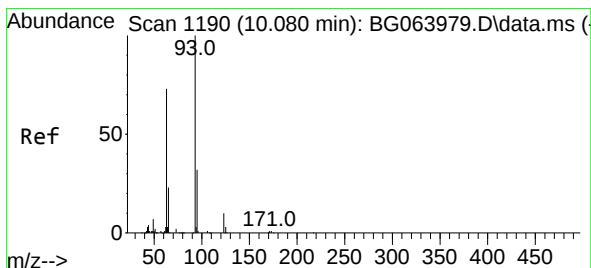
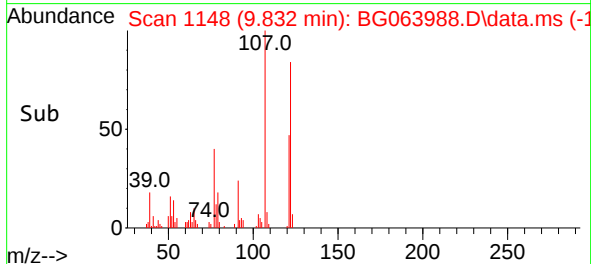
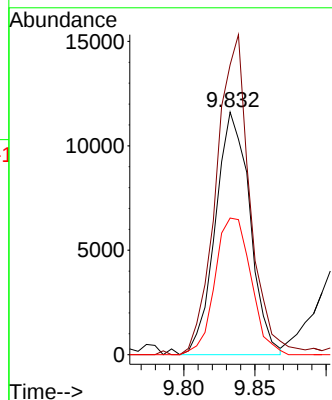
Tgt Ion:122 Resp: 19563

Ion Ratio Lower Upper

122 100

107 119.6 96.4 144.6

121 56.3 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 9.232 ng

RT: 10.073 min Scan# 1189

Delta R.T. -0.007 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

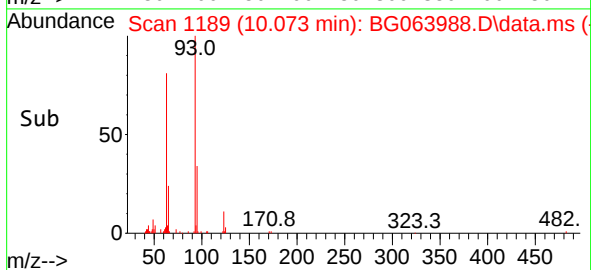
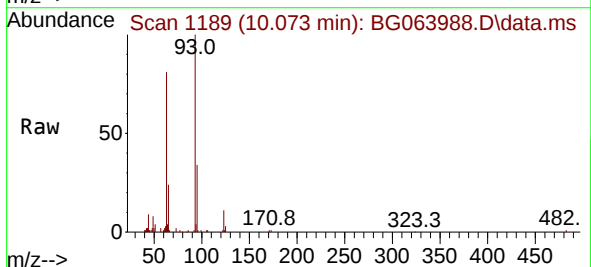
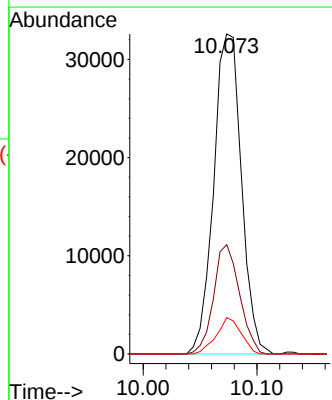
Tgt Ion: 93 Resp: 55252

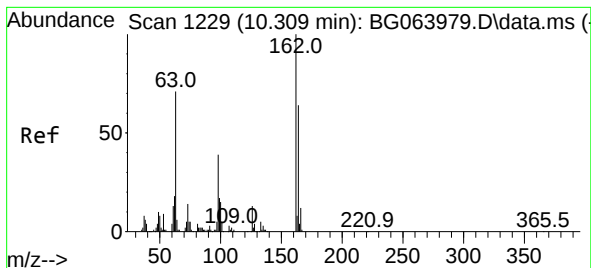
Ion Ratio Lower Upper

93 100

95 34.1 25.4 38.2

123 11.4 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 11.435 ng

RT: 10.303 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

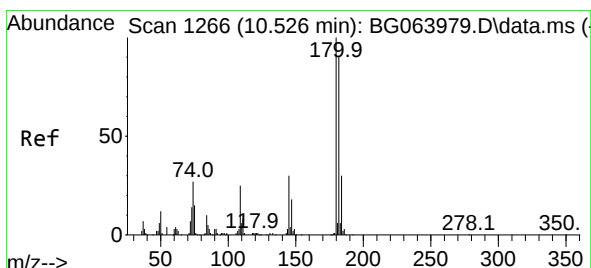
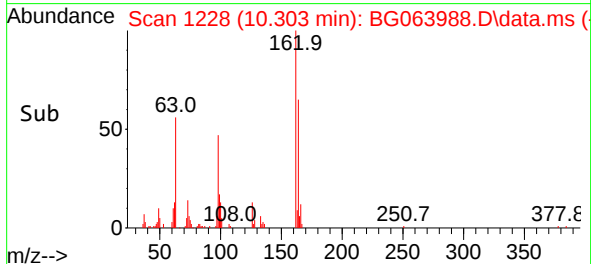
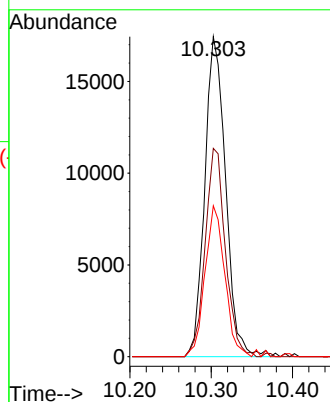
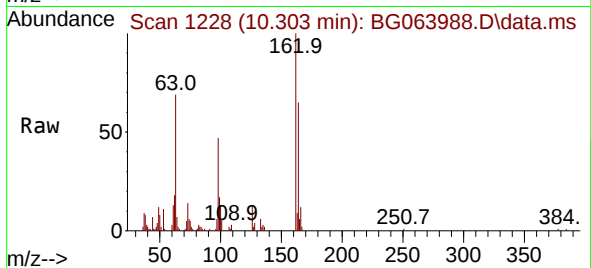
Tgt Ion:162 Resp: 31116

Ion Ratio Lower Upper

162 100

164 65.1 43.6 83.6

98 47.1 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 9.506 ng

RT: 10.526 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

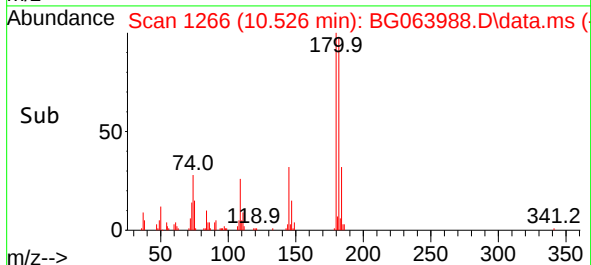
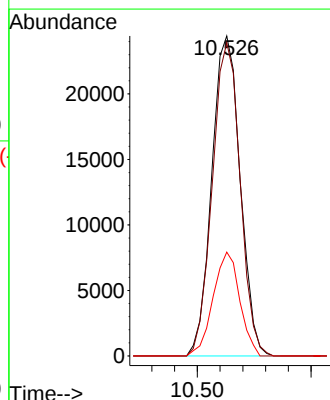
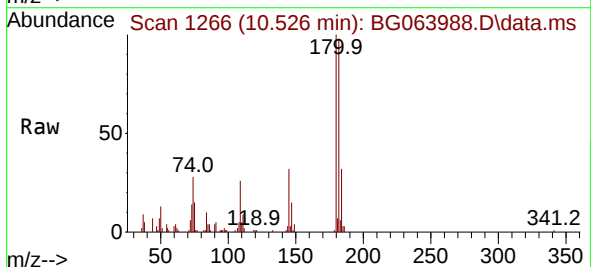
Tgt Ion:180 Resp: 42254

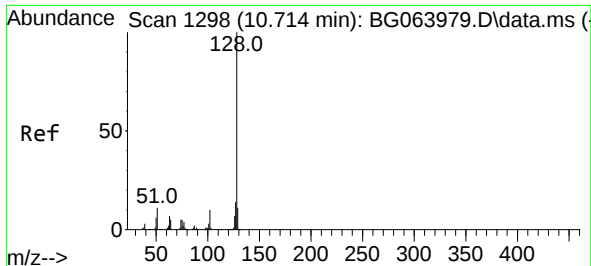
Ion Ratio Lower Upper

180 100

182 97.9 72.3 108.5

145 32.4 23.8 35.8

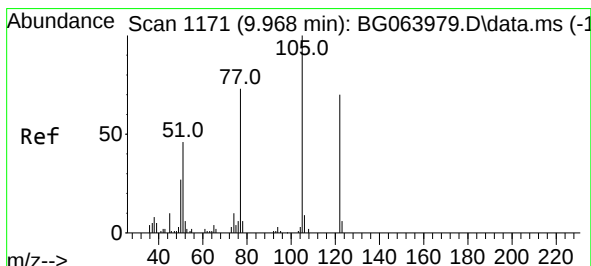
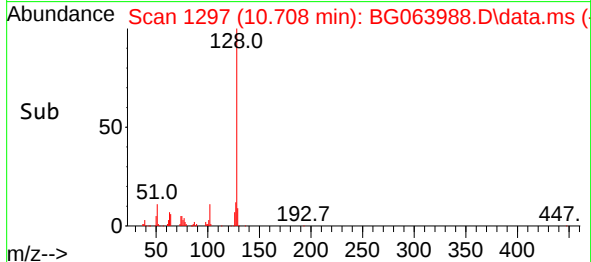
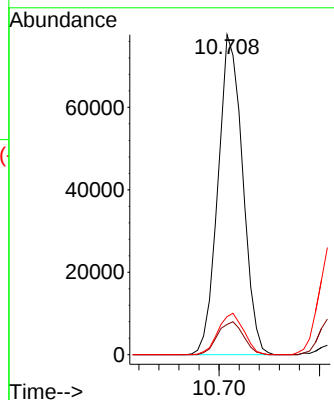
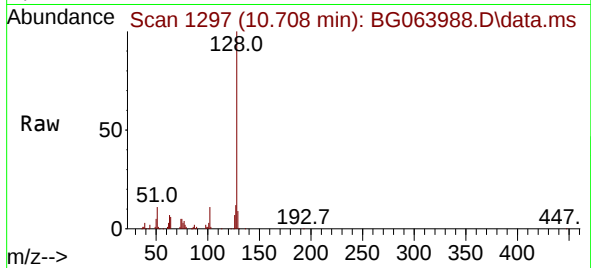




#31
Naphthalene
Concen: 9.342 ng
RT: 10.708 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

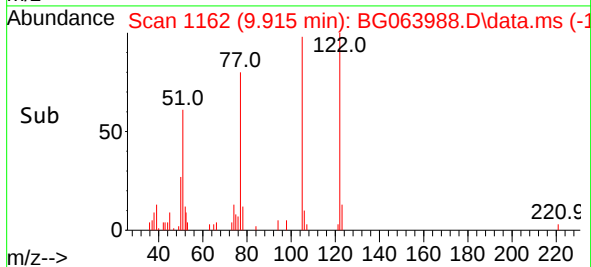
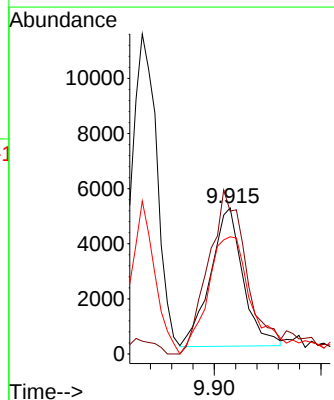
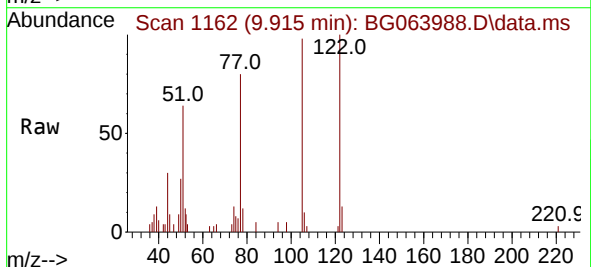
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

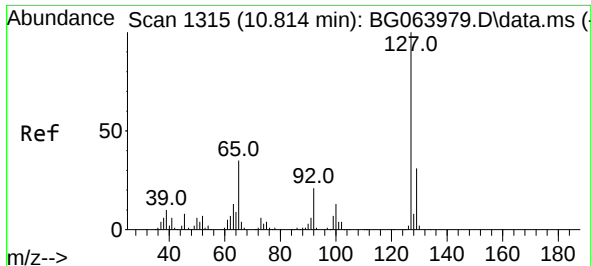
Tgt Ion:128 Resp: 132070
Ion Ratio Lower Upper
128 100
129 9.5 8.8 13.2
127 11.9 10.8 16.2



#32
Benzoic acid
Concen: 13.560 ng
RT: 9.915 min Scan# 1162
Delta R.T. -0.053 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:122 Resp: 10680
Ion Ratio Lower Upper
122 100
105 97.8 117.9 157.9#
77 80.2 83.9 123.9#

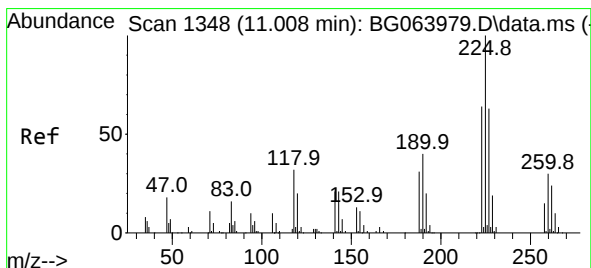
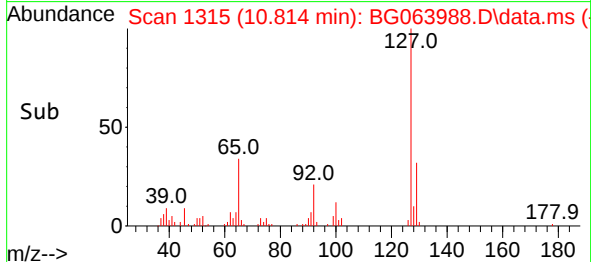
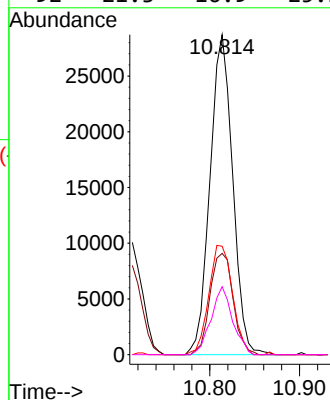
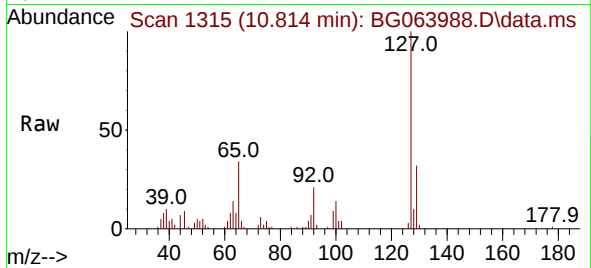




#33
4-Chloroaniline
Concen: 9.288 ng
RT: 10.814 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

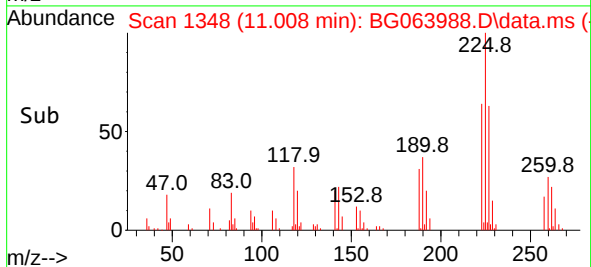
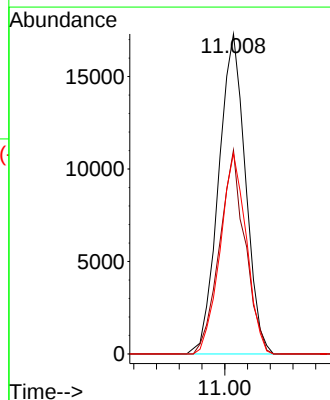
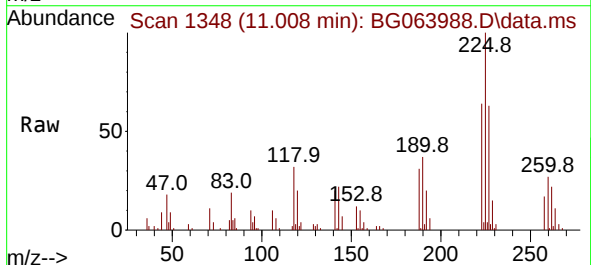
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

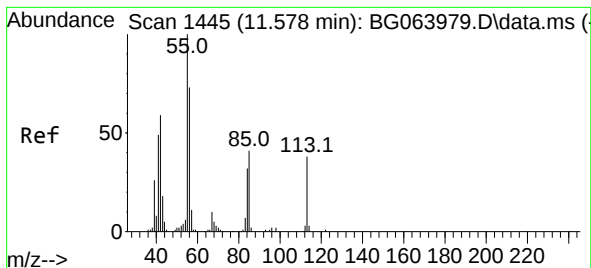
Tgt Ion:	127	Resp:	50310
Ion	Ratio	Lower	Upper
127	100		
129	31.7	24.9	37.3
65	33.9	28.2	42.4
92	21.3	16.9	25.3



#34
Hexachlorobutadiene
Concen: 10.002 ng
RT: 11.008 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:	225	Resp:	28313
Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.0	76.6
227	65.7	50.3	75.5





#35

Caprolactam

Concen: 12.601 ng

RT: 11.548 min Scan# 1440

Delta R.T. -0.030 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

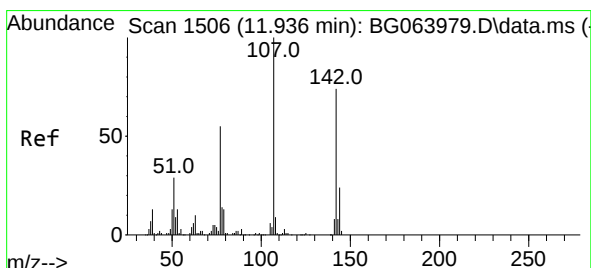
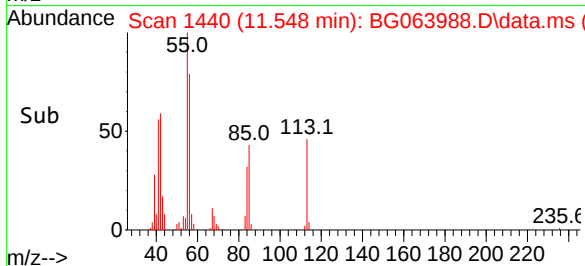
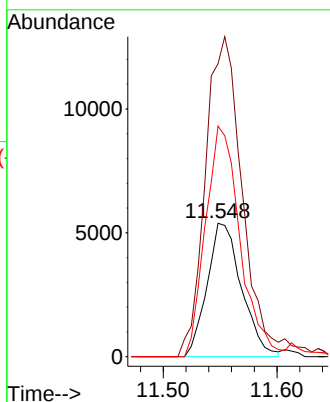
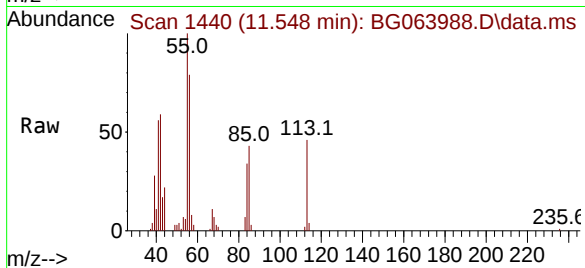
Tgt Ion:113 Resp: 11333

Ion Ratio Lower Upper

113 100

55 219.6 241.8 281.8#

56 172.9 171.5 211.5



#36

4-Chloro-3-methylphenol

Concen: 8.937 ng

RT: 11.930 min Scan# 1505

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

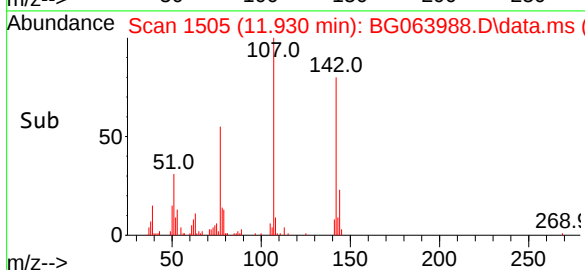
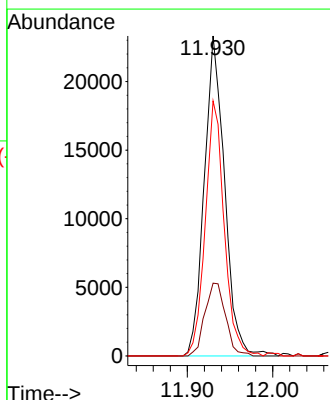
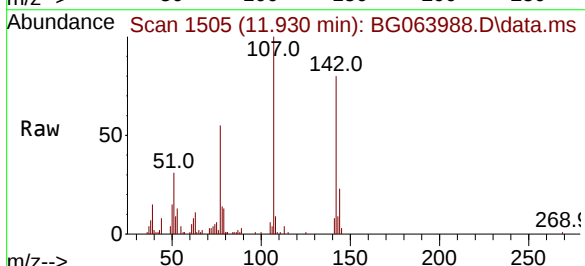
Tgt Ion:107 Resp: 38703

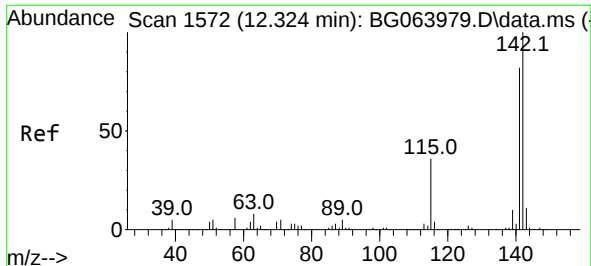
Ion Ratio Lower Upper

107 100

144 22.8 19.2 28.8

142 79.7 58.9 88.3

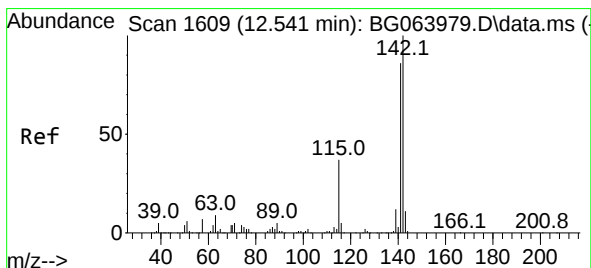
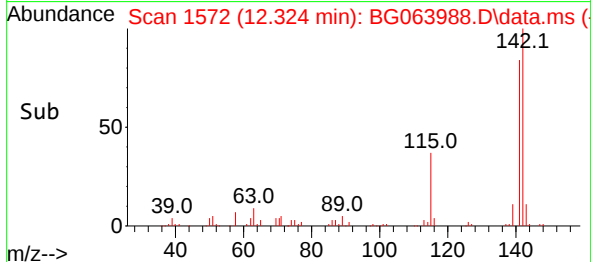
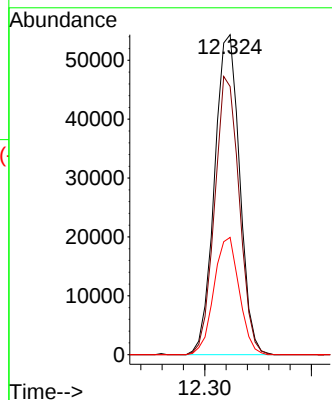
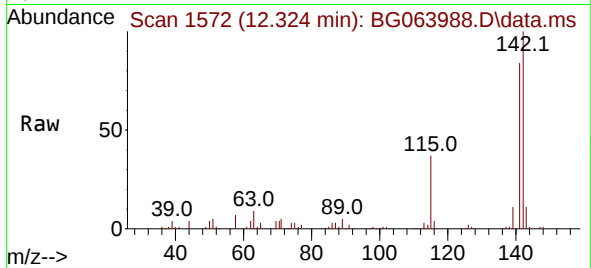




#37
2-Methylnaphthalene
Concen: 9.029 ng
RT: 12.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

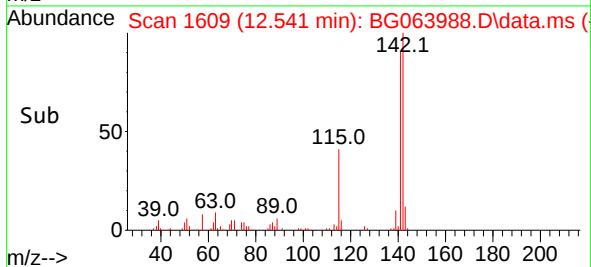
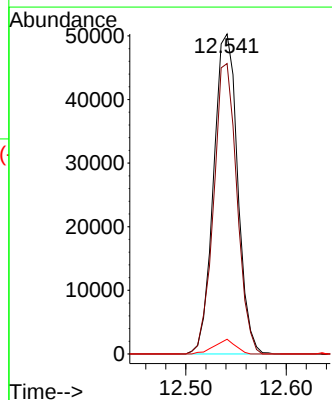
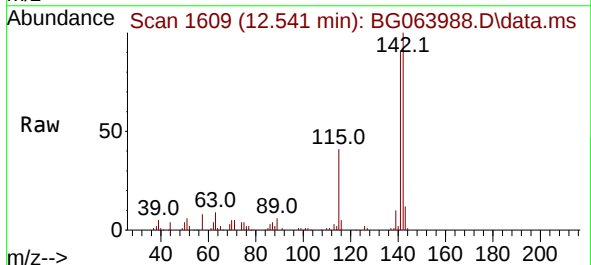
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

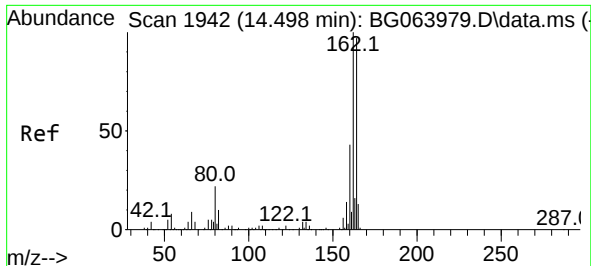
Tgt Ion:142 Resp: 88951
Ion Ratio Lower Upper
142 100
141 83.8 65.8 98.8
115 36.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 8.580 ng
RT: 12.541 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

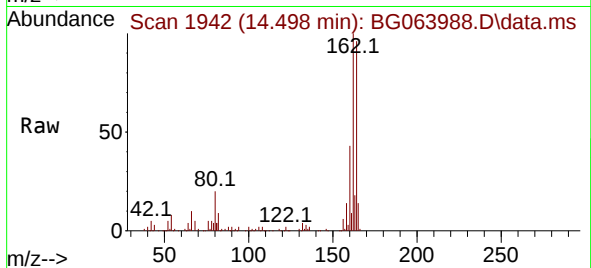
Tgt Ion:142 Resp: 83642
Ion Ratio Lower Upper
142 100
141 90.7 69.2 103.8
116 4.6 3.6 5.4



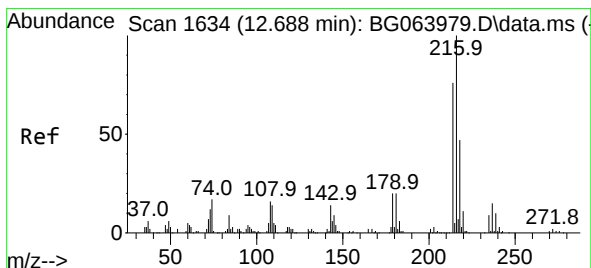
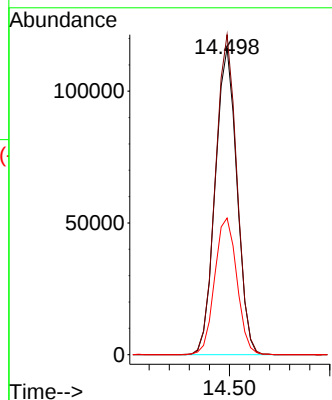
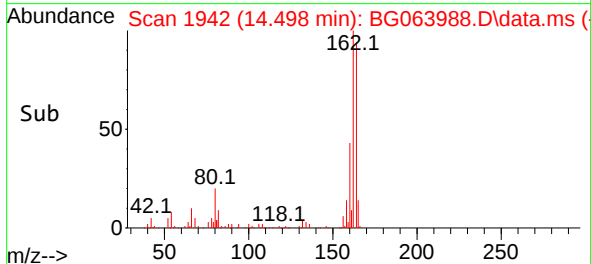


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

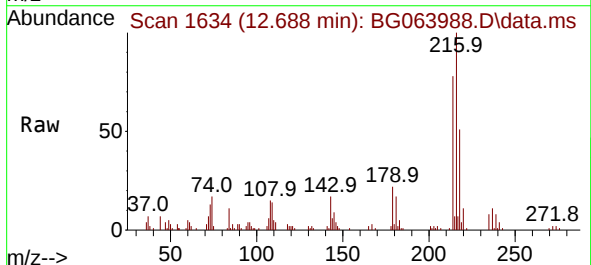
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024



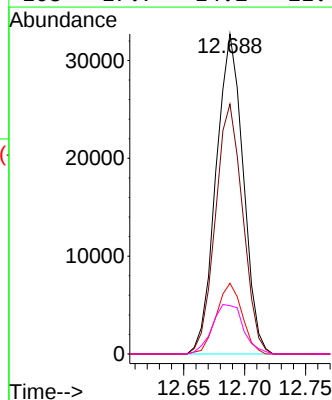
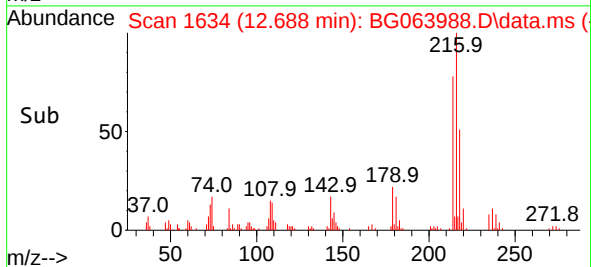
Tgt Ion:164 Resp: 174226
Ion Ratio Lower Upper
164 100
162 104.4 82.3 123.5
160 44.6 35.4 53.0

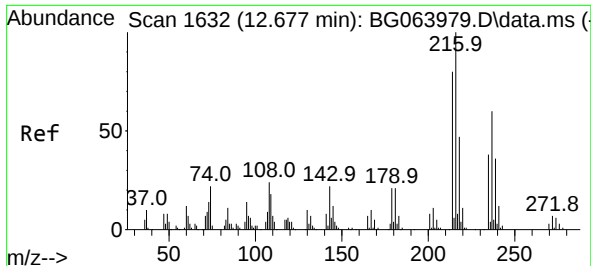


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.860 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05



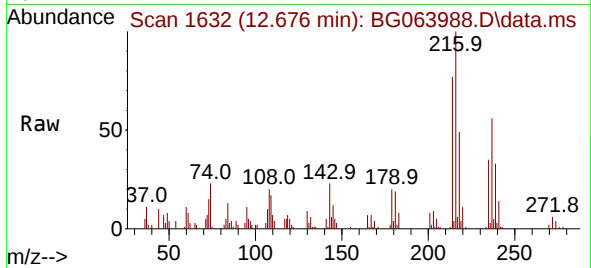
Tgt Ion:216 Resp: 50658
Ion Ratio Lower Upper
216 100
214 78.6 62.9 94.3
179 21.0 16.6 25.0
108 17.7 14.2 21.4



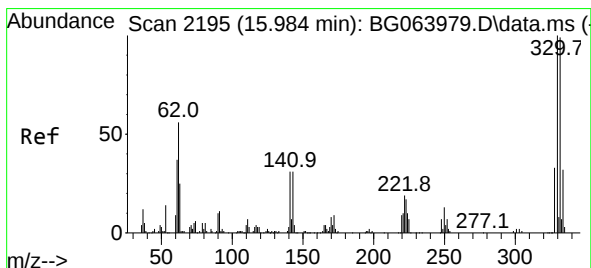
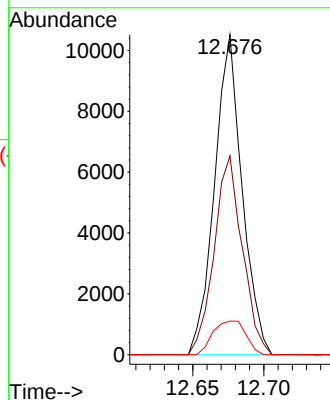
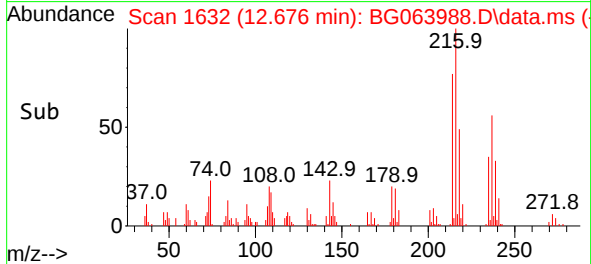


#41
Hexachlorocyclopentadiene
Concen: 10.908 ng
RT: 12.676 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

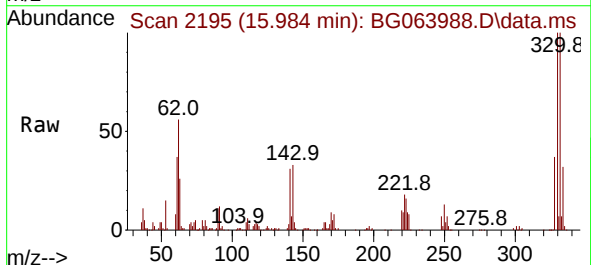
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024



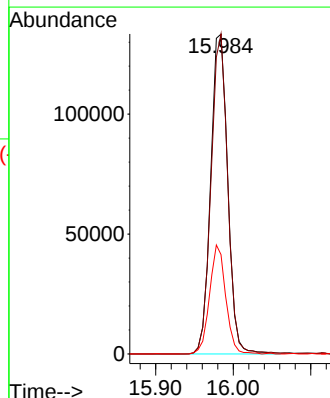
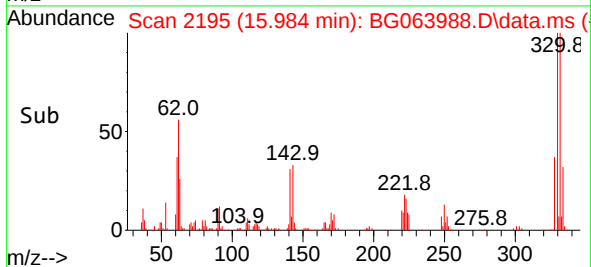
Tgt Ion:237 Resp: 14184
Ion Ratio Lower Upper
237 100
235 62.1 43.8 83.8
272 10.5 0.0 32.3

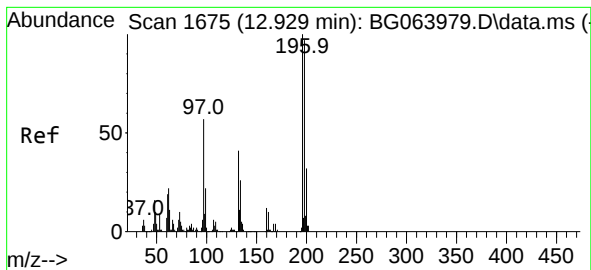


#42
2,4,6-Tribromophenol
Concen: 104.608 ng
RT: 15.984 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05



Tgt Ion:330 Resp: 203748
Ion Ratio Lower Upper
330 100
332 97.8 79.0 118.6
141 32.3 27.2 40.8





#43

2,4,6-Trichlorophenol

Concen: 11.792 ng

RT: 12.923 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

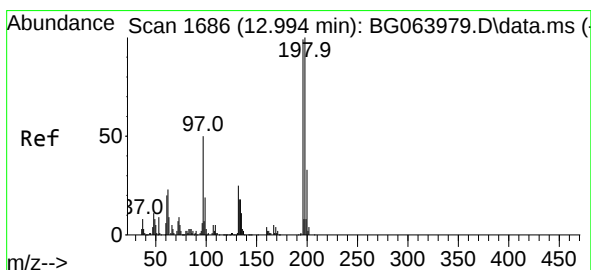
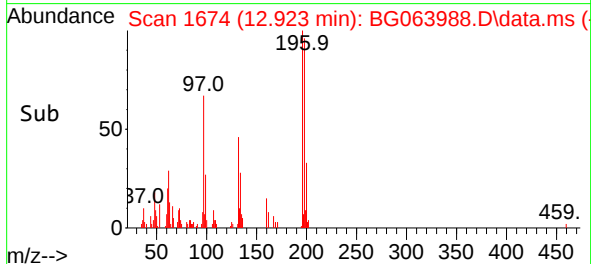
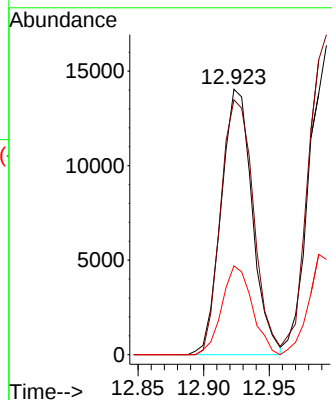
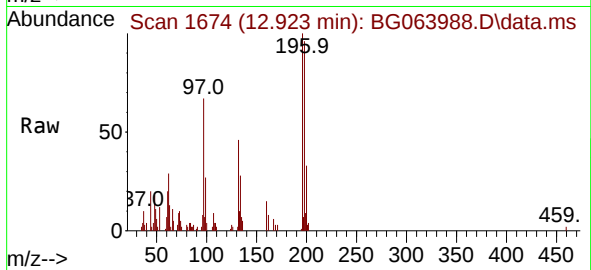
Tgt Ion:196 Resp: 23190

Ion Ratio Lower Upper

196 100

198 96.0 77.9 116.9

200 33.5 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 10.901 ng

RT: 12.993 min Scan# 1686

Delta R.T. -0.001 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Tgt Ion:196 Resp: 25763

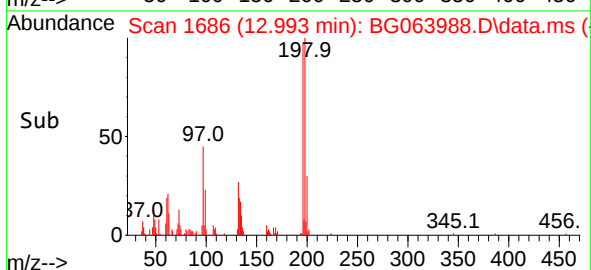
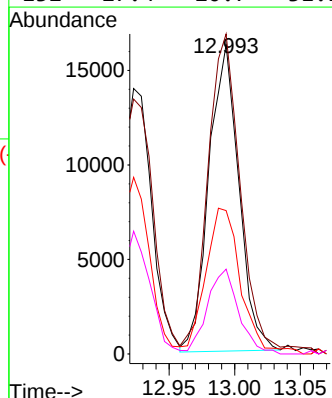
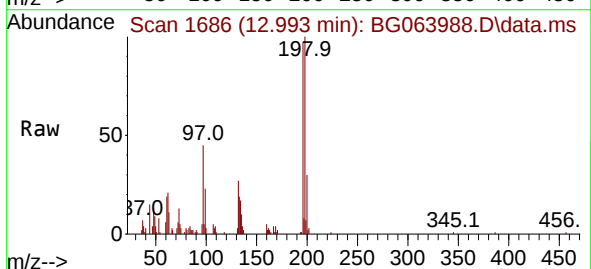
Ion Ratio Lower Upper

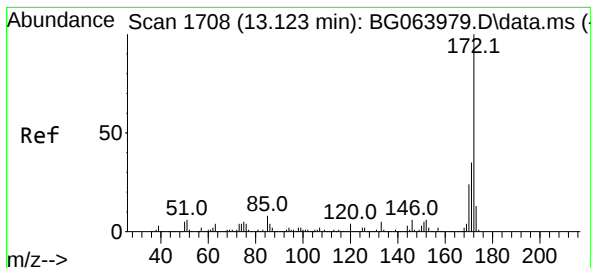
196 100

198 103.4 81.1 121.7

97 46.3 41.2 61.8

132 27.4 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 77.754 ng

RT: 13.123 min Scan# 1708

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

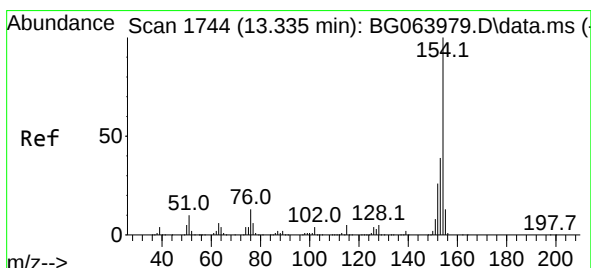
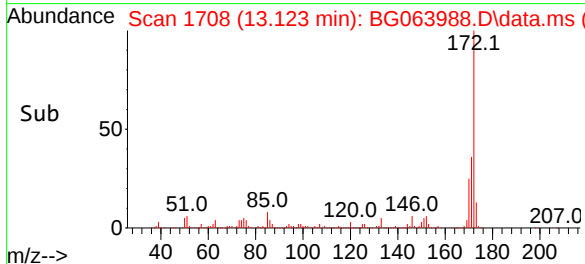
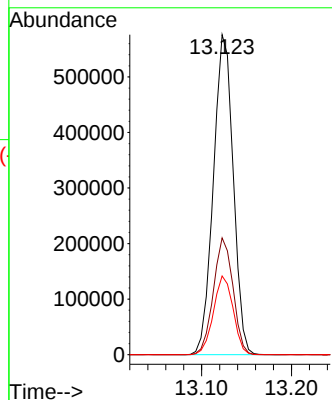
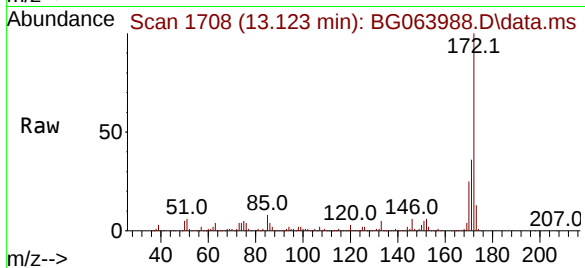
Tgt Ion:172 Resp: 884171

Ion Ratio Lower Upper

172 100

171 36.5 27.8 41.6

170 24.6 19.4 29.2



#46

1,1'-Biphenyl

Concen: 9.829 ng

RT: 13.334 min Scan# 1744

Delta R.T. -0.001 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

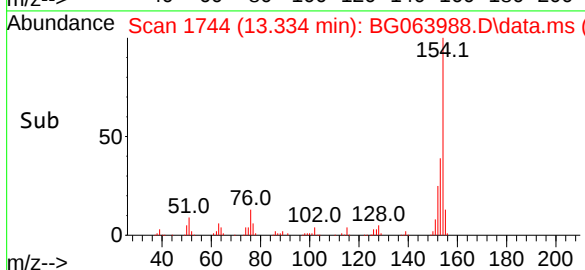
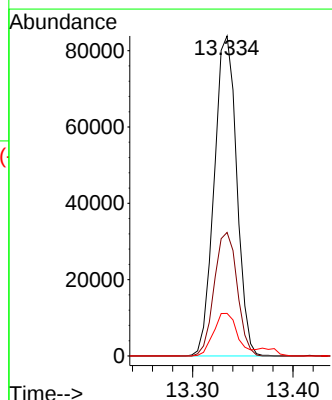
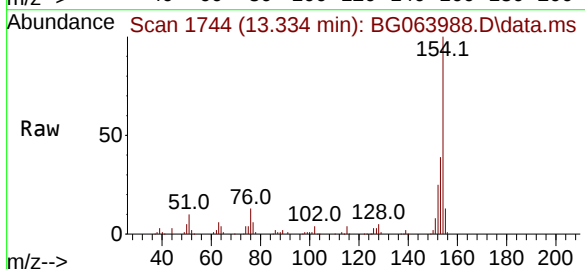
Tgt Ion:154 Resp: 130378

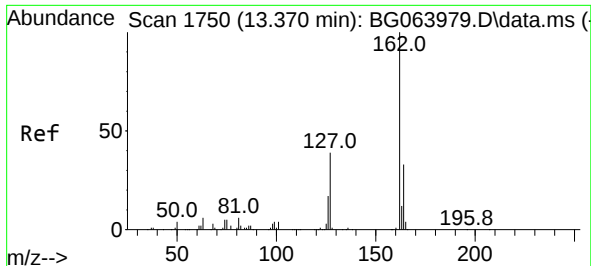
Ion Ratio Lower Upper

154 100

153 38.6 19.3 59.3

76 13.3 0.0 33.3

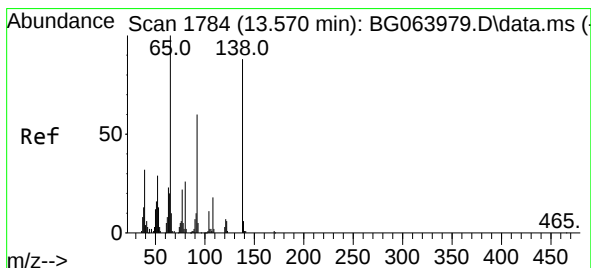
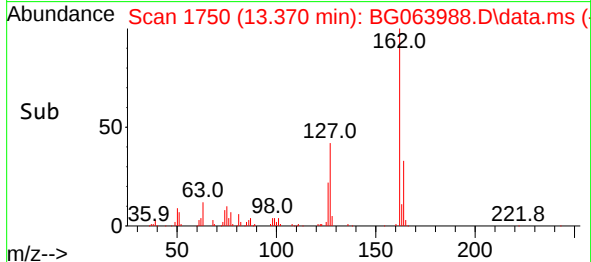
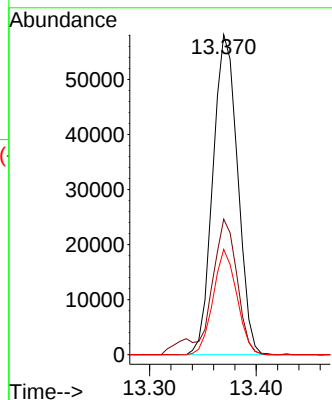
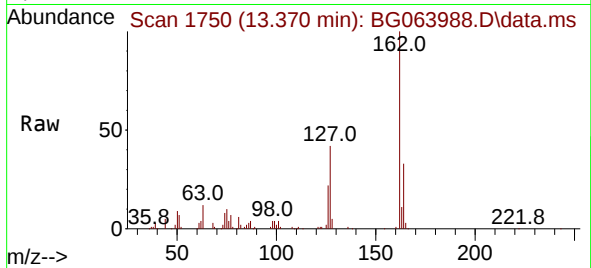




#47
2-Chloronaphthalene
Concen: 9.682 ng
RT: 13.370 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

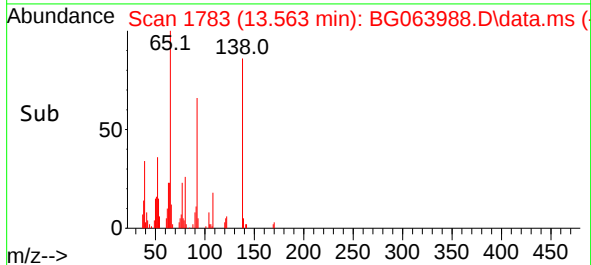
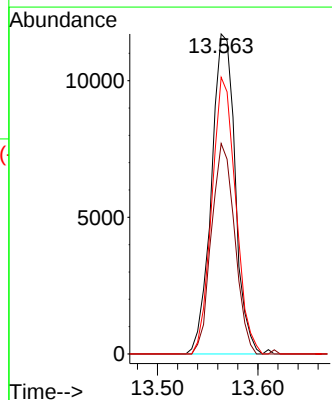
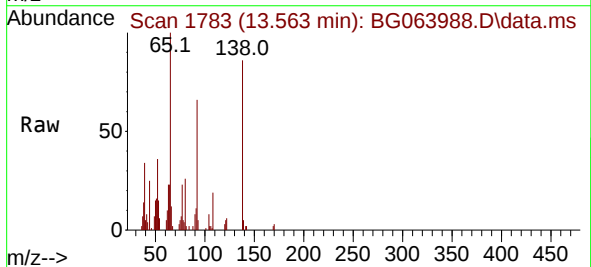
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

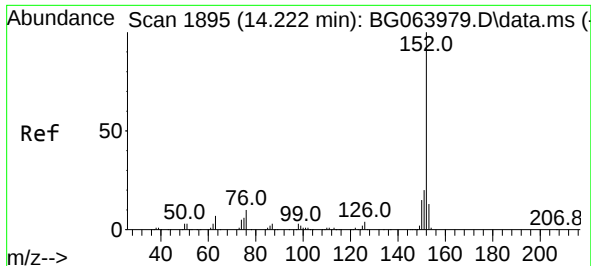
Tgt Ion:162 Resp: 93608
Ion Ratio Lower Upper
162 100
127 42.4 33.4 50.2
164 32.9 26.0 39.0



#48
2-Nitroaniline
Concen: 12.375 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.007 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion: 65 Resp: 19260
Ion Ratio Lower Upper
65 100
92 65.8 47.6 71.4
138 86.5 70.6 106.0

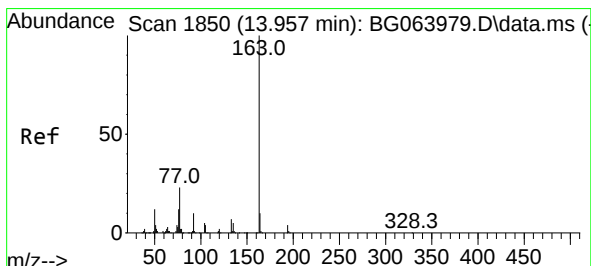
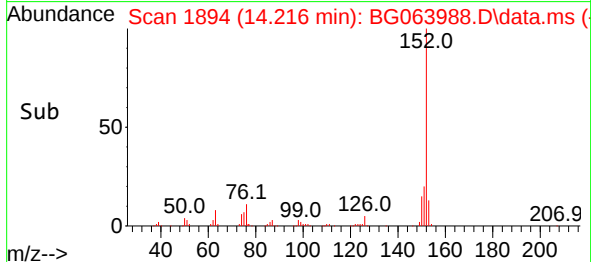
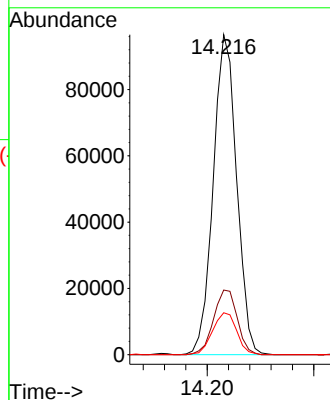
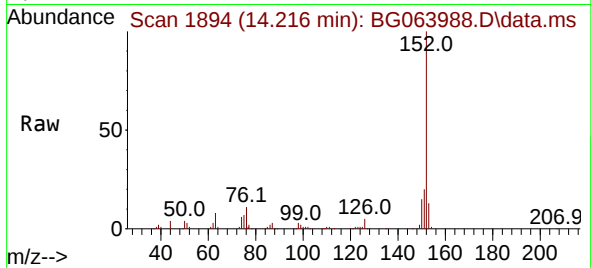




#49
Acenaphthylene
Concen: 9.802 ng
RT: 14.216 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

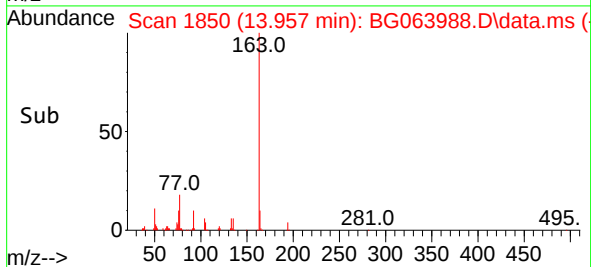
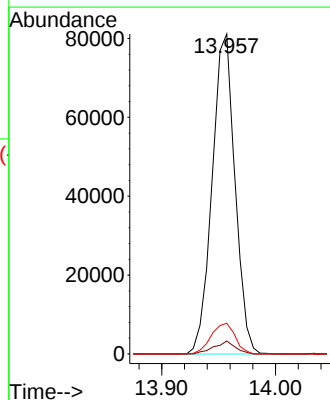
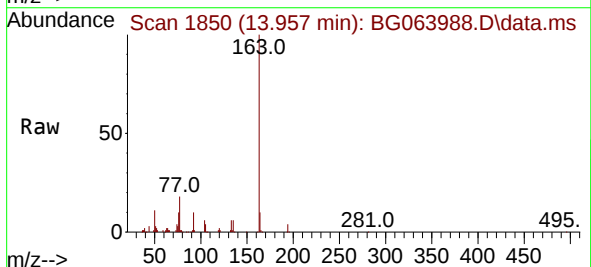
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

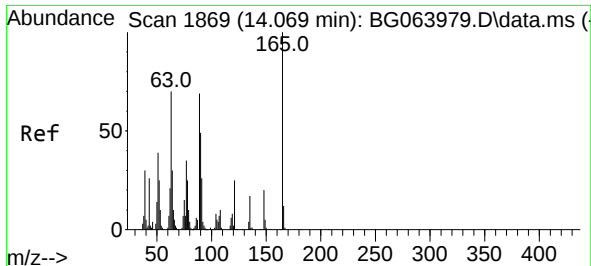
Tgt Ion:152 Resp: 147200
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 13.1 10.3 15.5



#50
Dimethylphthalate
Concen: 9.800 ng
RT: 13.957 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:163 Resp: 113212
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.6 8.0 12.0

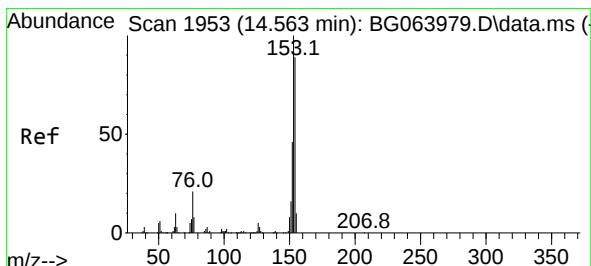
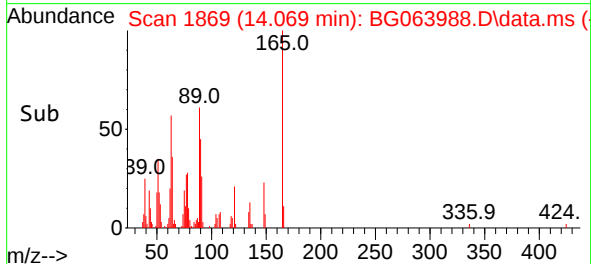
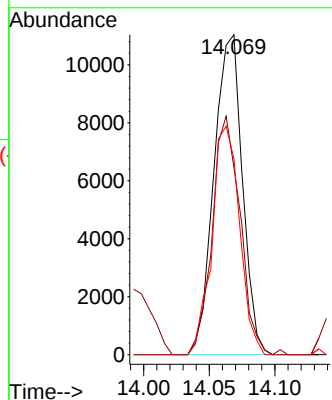
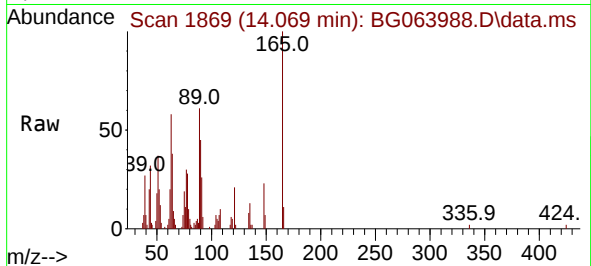




#51
2,6-Dinitrotoluene
Concen: 12.235 ng
RT: 14.069 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

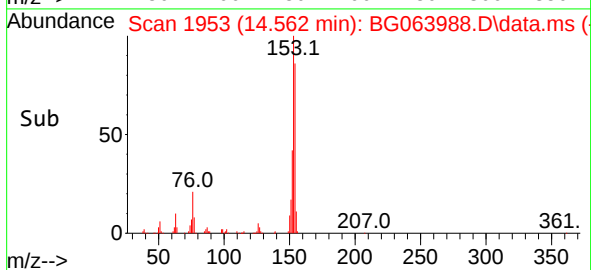
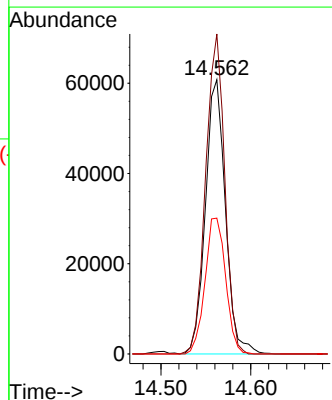
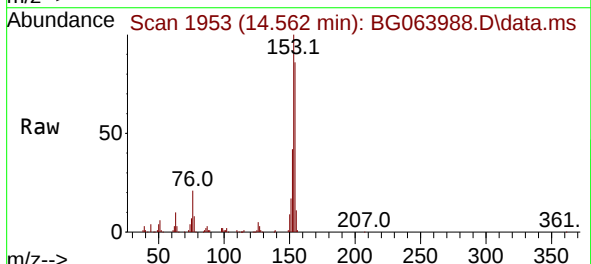
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

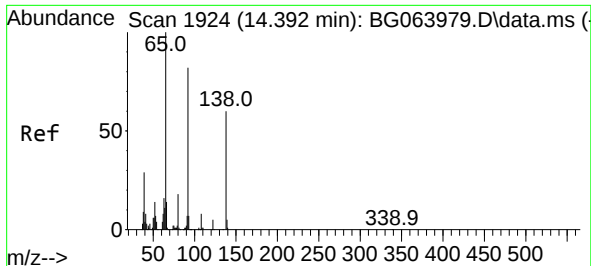
Tgt Ion:165 Resp: 16614
Ion Ratio Lower Upper
165 100
63 58.4 57.7 86.5
89 61.2 55.6 83.4



#52
Acenaphthene
Concen: 9.356 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:154 Resp: 94246
Ion Ratio Lower Upper
154 100
153 116.7 90.2 135.2
152 49.5 41.1 61.7

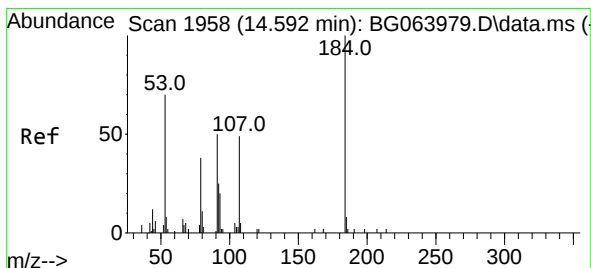
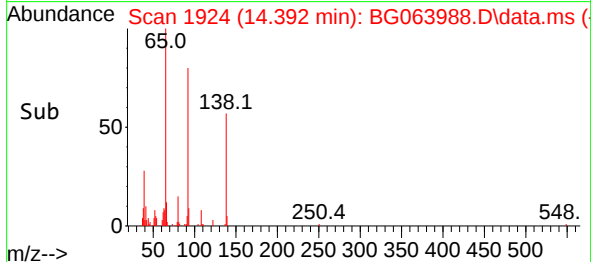
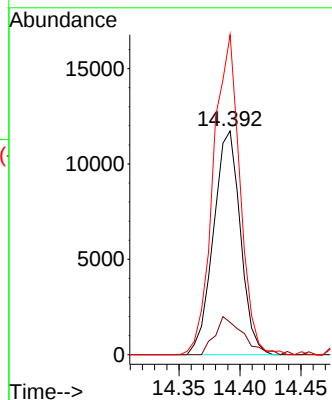
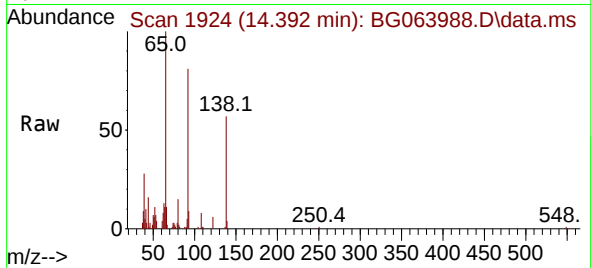




#53
3-Nitroaniline
Concen: 11.600 ng
RT: 14.392 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

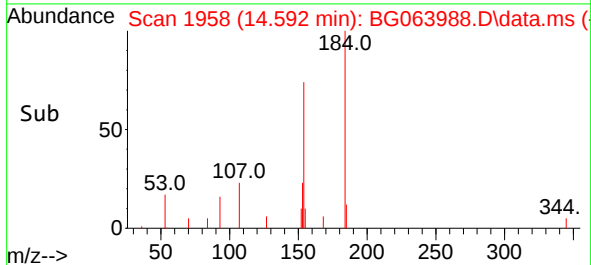
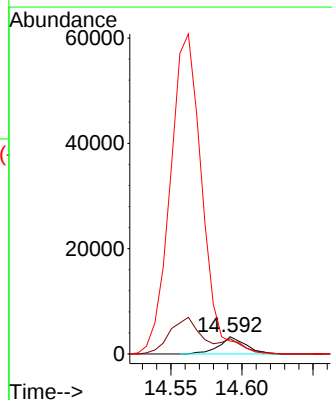
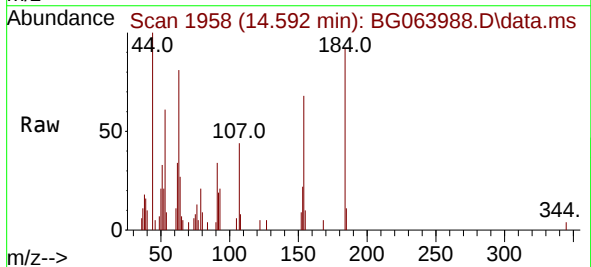
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

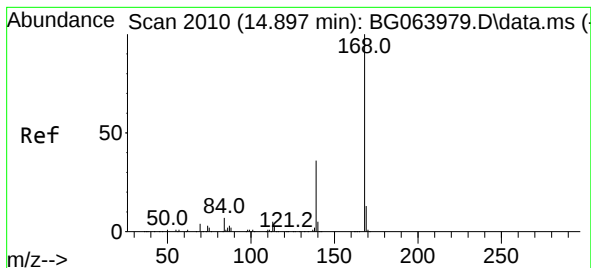
Tgt Ion:138 Resp: 18051
Ion Ratio Lower Upper
138 100
108 14.5 10.3 15.5
92 143.1 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 14.275 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:184 Resp: 4227
Ion Ratio Lower Upper
184 100
63 88.3 67.3 100.9
154 74.1 65.9 98.9





#55

Dibenzofuran

Concen: 9.426 ng

RT: 14.897 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

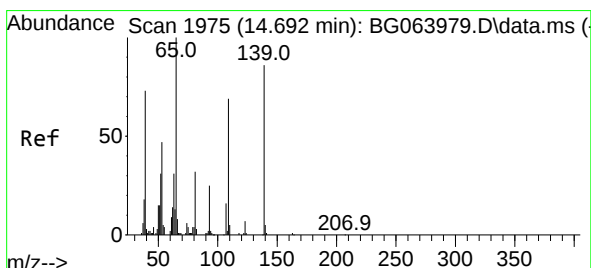
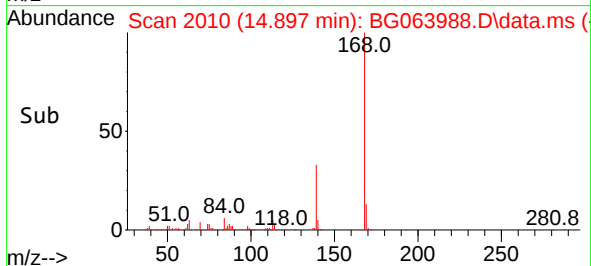
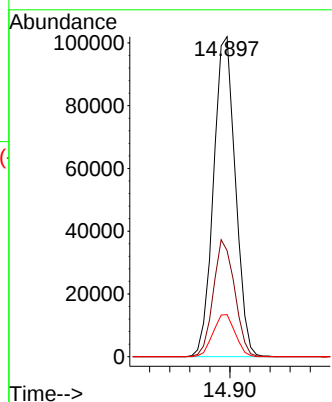
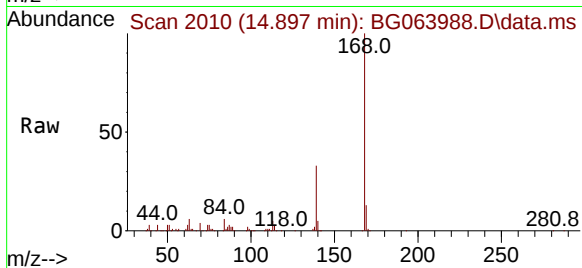
Tgt Ion:168 Resp: 154172

Ion Ratio Lower Upper

168 100

139 33.1 28.6 43.0

169 13.1 10.6 16.0



#56

4-Nitrophenol

Concen: 15.328 ng

RT: 14.692 min Scan# 1975

Delta R.T. -0.001 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

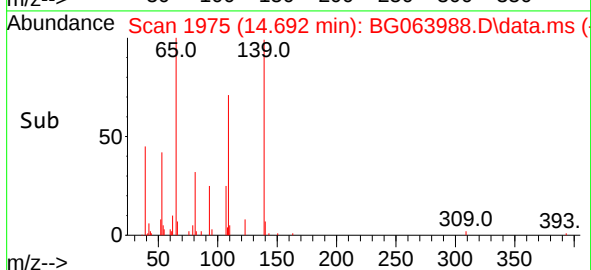
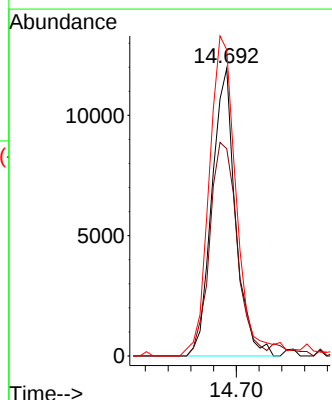
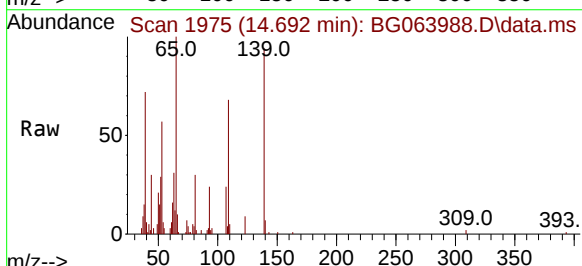
Tgt Ion:139 Resp: 17218

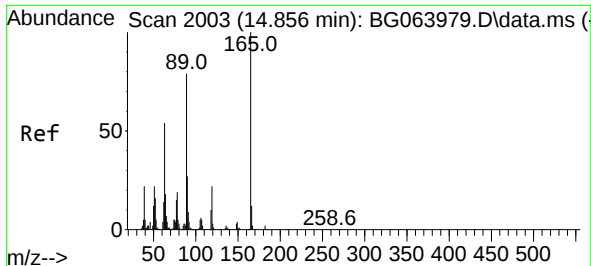
Ion Ratio Lower Upper

139 100

109 72.0 60.1 100.1

65 106.5 96.2 136.2





#57

2,4-Dinitrotoluene

Concen: 11.843 ng

RT: 14.850 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:165 Resp: 19136

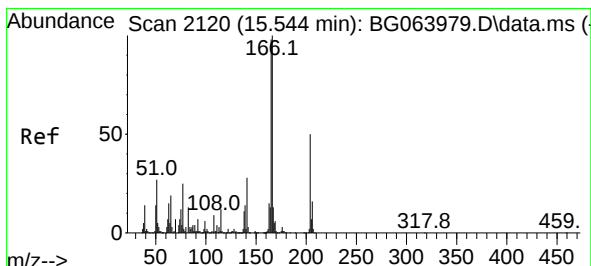
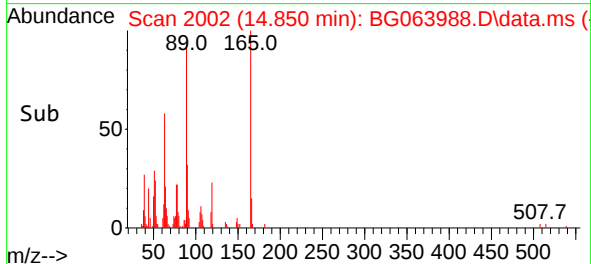
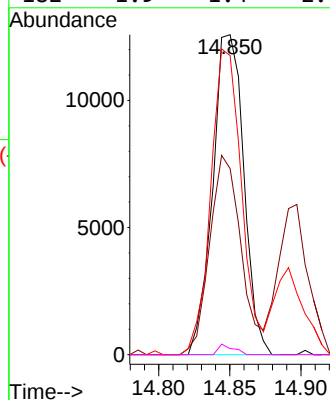
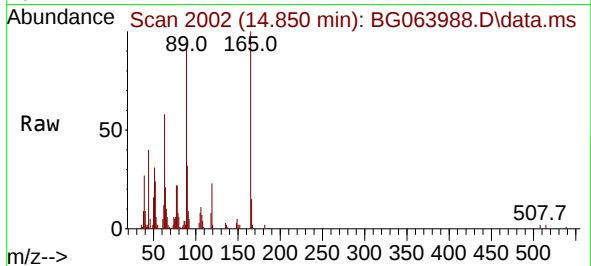
Ion Ratio Lower Upper

165 100

63 58.1 43.6 65.4

89 93.4 63.1 94.7

182 1.9 1.4 2.0



#58

Fluorene

Concen: 9.600 ng

RT: 15.543 min Scan# 2120

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

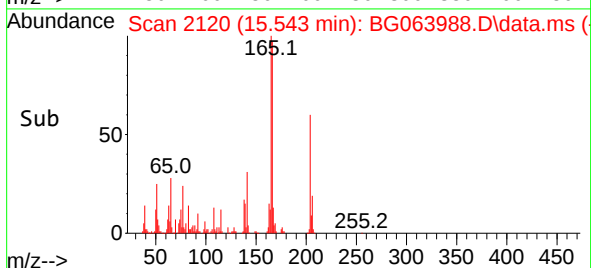
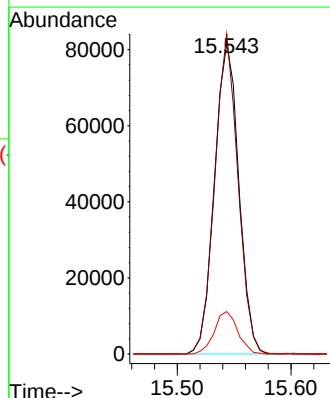
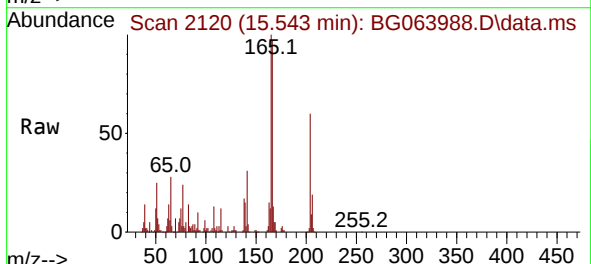
Tgt Ion:166 Resp: 121368

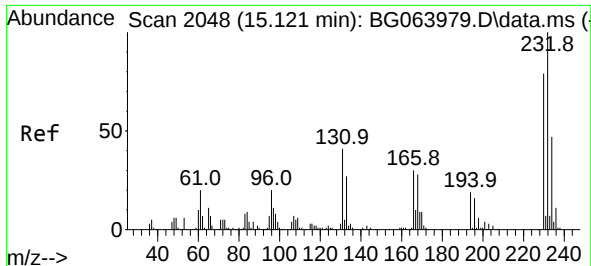
Ion Ratio Lower Upper

166 100

165 103.0 78.7 118.1

167 13.6 10.1 15.1

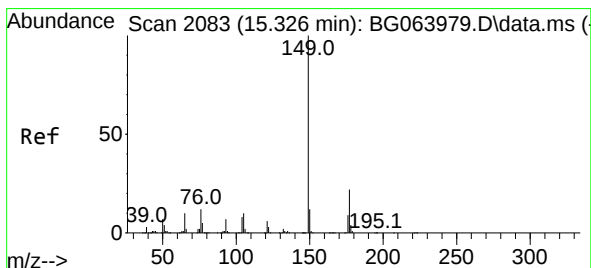
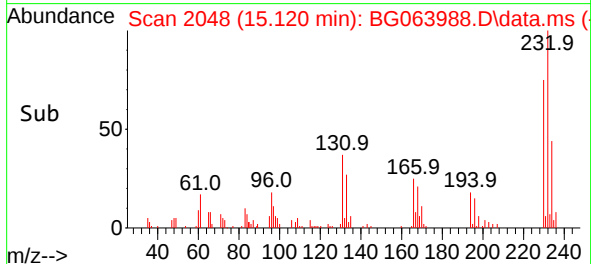
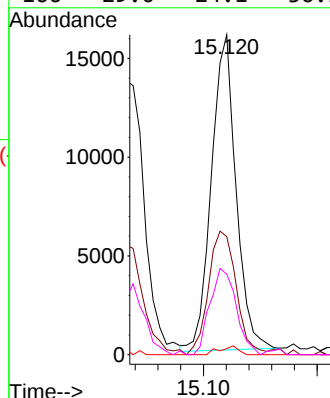
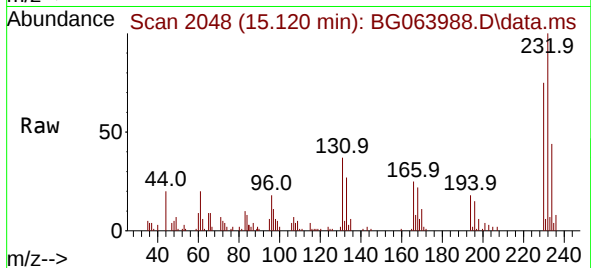




#59
2,3,4,6-Tetrachlorophenol
Concen: 11.740 ng
RT: 15.120 min Scan# 2048
Delta R.T. -0.001 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

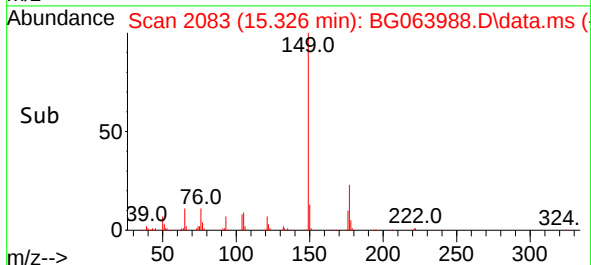
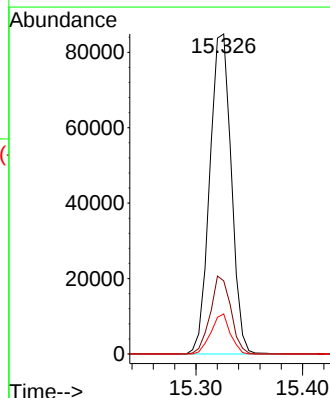
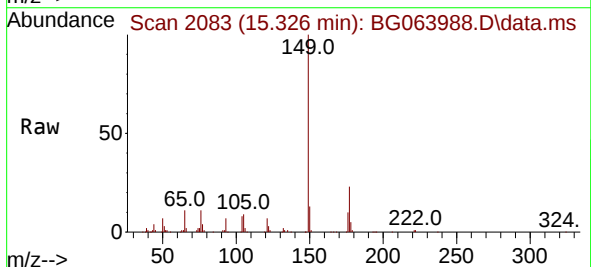
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

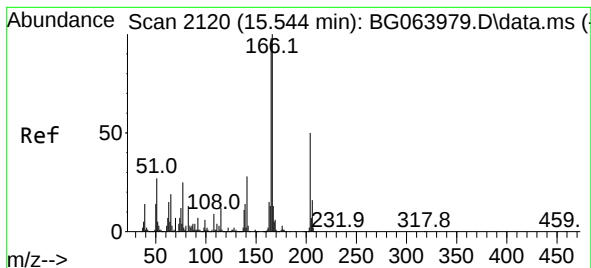
Tgt Ion:232 Resp: 24018
Ion Ratio Lower Upper
232 100
131 44.1 34.0 51.0
130 2.1 2.2 3.4#
166 29.0 24.1 36.1



#60
Diethylphthalate
Concen: 9.695 ng
RT: 15.326 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:149 Resp: 118741
Ion Ratio Lower Upper
149 100
177 22.9 18.0 27.0
150 12.5 9.7 14.5

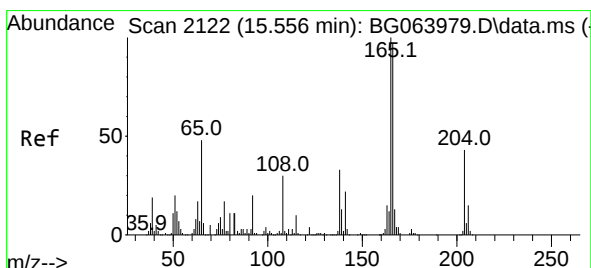
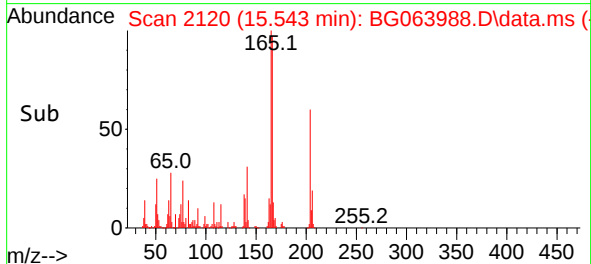
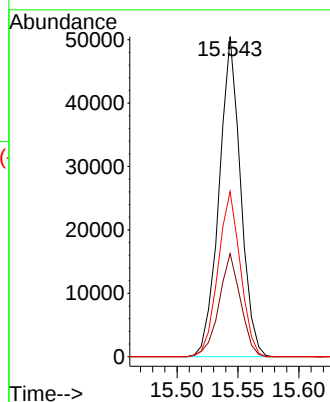
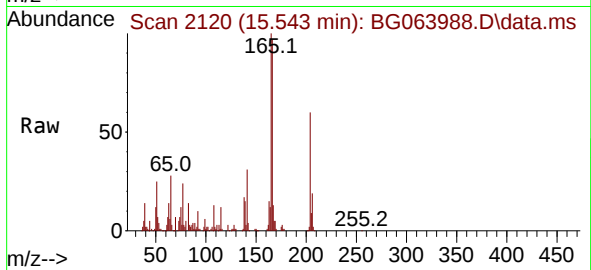




#61
4-Chlorophenyl-phenylether
Concen: 9.772 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

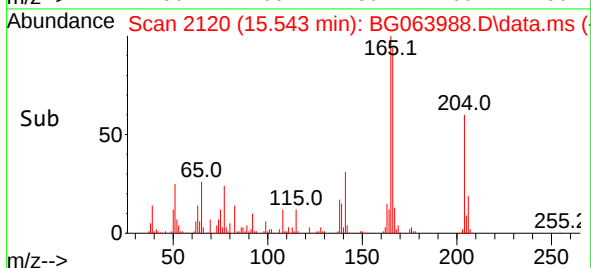
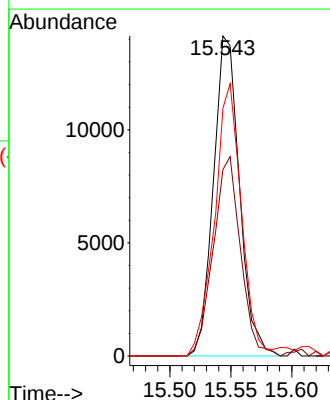
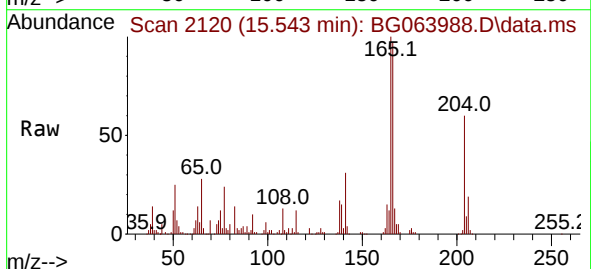
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

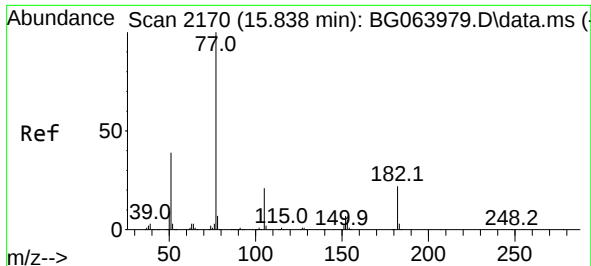
Tgt Ion:204 Resp: 61986
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.6
141 51.6 44.6 67.0



#62
4-Nitroaniline
Concen: 11.002 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.013 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:138 Resp: 21038
Ion Ratio Lower Upper
138 100
92 58.3 40.3 80.3
108 77.4 69.3 109.3

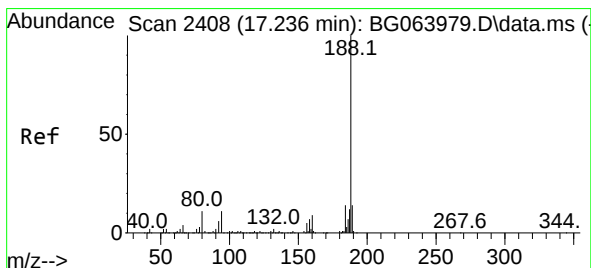
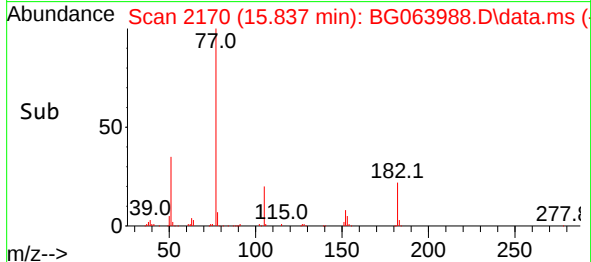
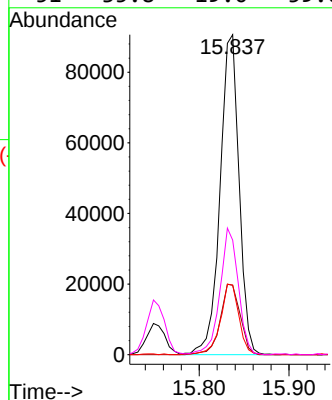
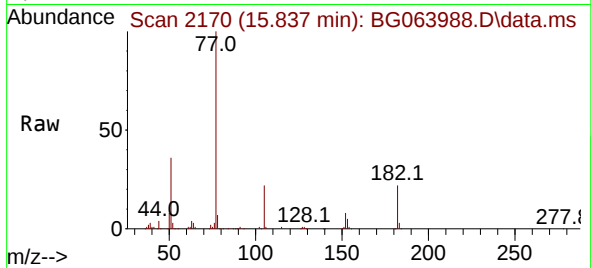




#63
Azobenzene
Concen: 9.219 ng
RT: 15.837 min Scan# 2170
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

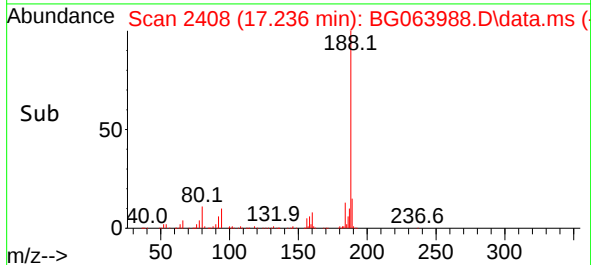
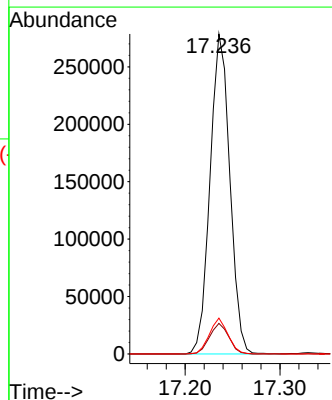
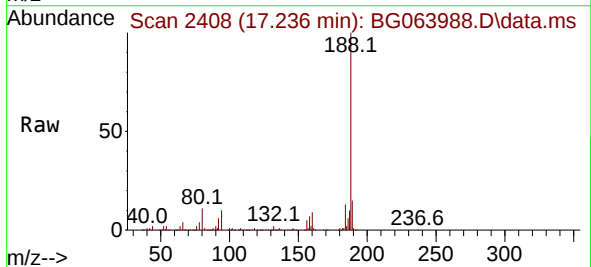
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

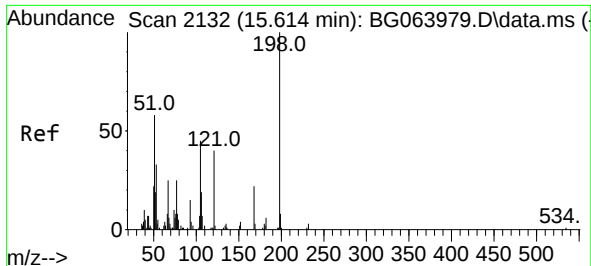
Tgt Ion: 77	Resp: 133361
Ion Ratio	Lower Upper
77 100	
182 21.7	2.3 42.3
105 21.7	1.0 41.0
51 35.8	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:188	Resp: 403983		
Ion Ratio	Lower	Upper	
188 100			
94 9.6	8.6	13.0	
80 11.2	8.5	12.7	

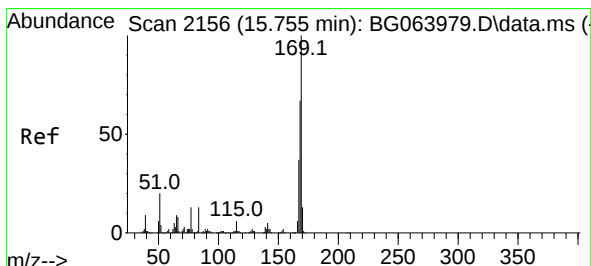
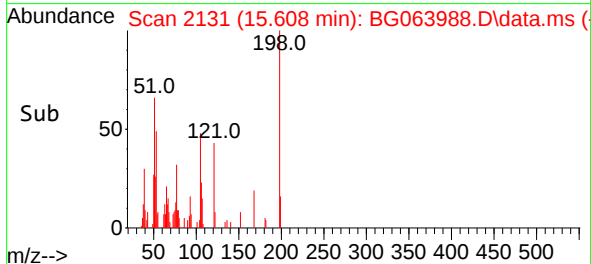
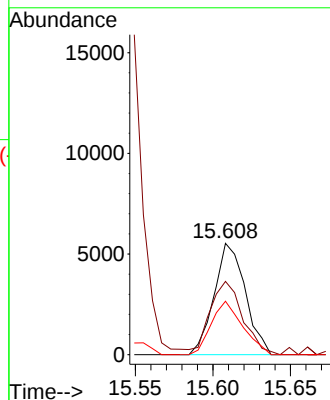
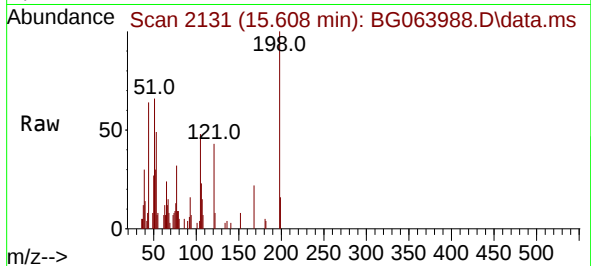




#65
4,6-Dinitro-2-methylphenol
Concen: 14.384 ng
RT: 15.608 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

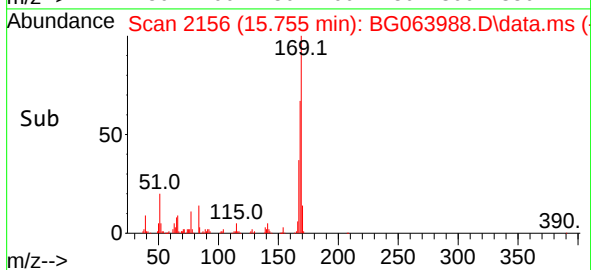
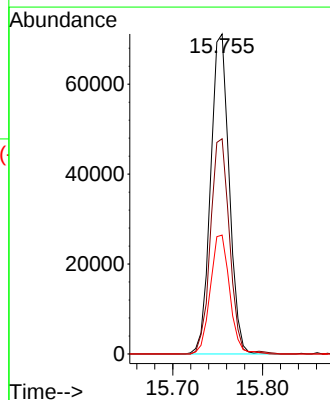
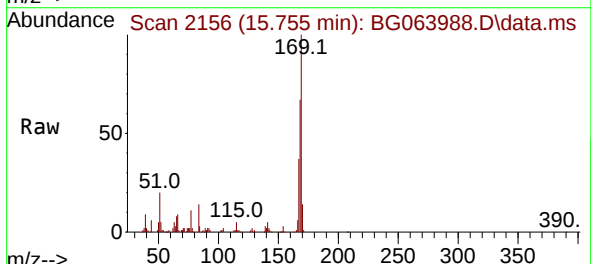
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

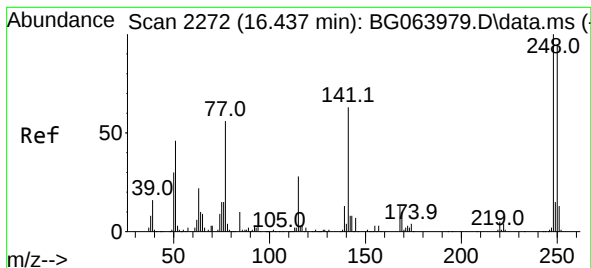
Tgt Ion:198 Resp: 7725
Ion Ratio Lower Upper
198 100
51 65.7 45.4 85.4
105 48.0 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 9.120 ng
RT: 15.755 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:169 Resp: 102147
Ion Ratio Lower Upper
169 100
168 67.2 53.5 80.3
167 37.2 30.0 45.0

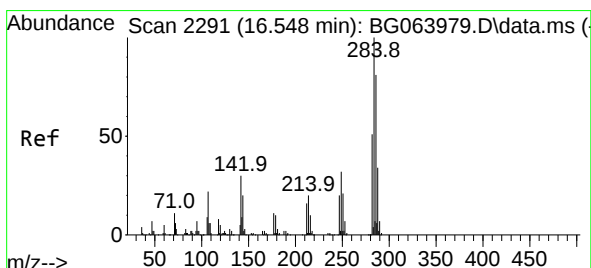
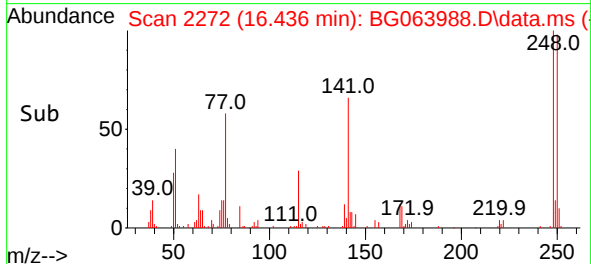
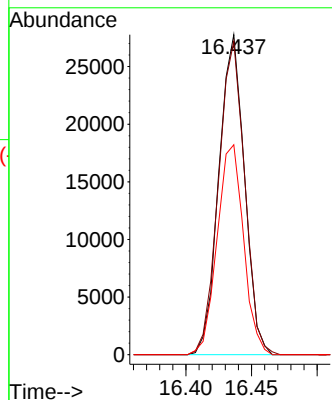
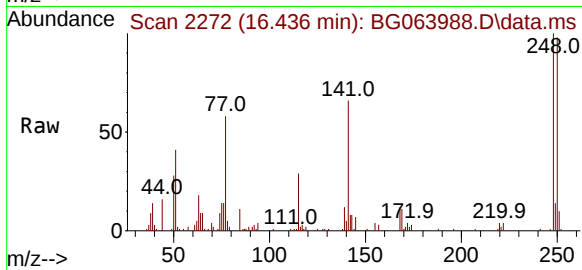




#67
4-Bromophenyl-phenylether
Concen: 9.344 ng
RT: 16.436 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

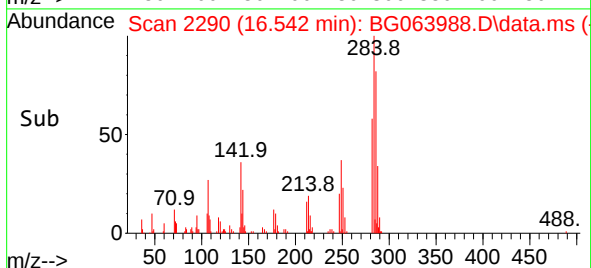
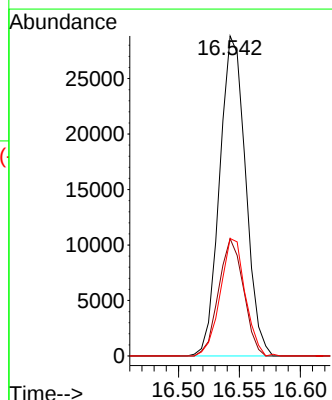
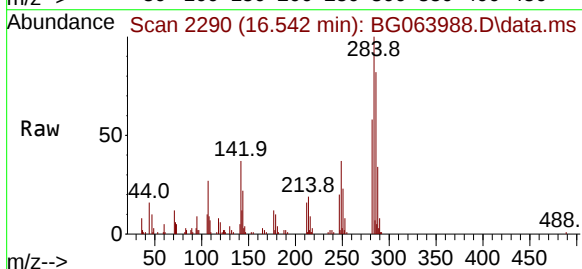
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

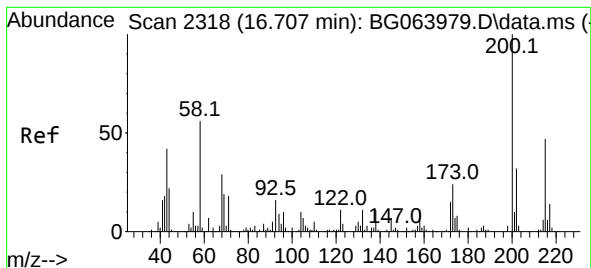
Tgt Ion:248 Resp: 37573
Ion Ratio Lower Upper
248 100
250 97.9 76.2 114.4
141 65.6 50.6 75.8



#68
Hexachlorobenzene
Concen: 9.037 ng
RT: 16.542 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:284 Resp: 42721
Ion Ratio Lower Upper
284 100
142 36.6 23.8 35.8#
249 36.7 25.9 38.9





#69

Atrazine

Concen: 10.773 ng

RT: 16.701 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

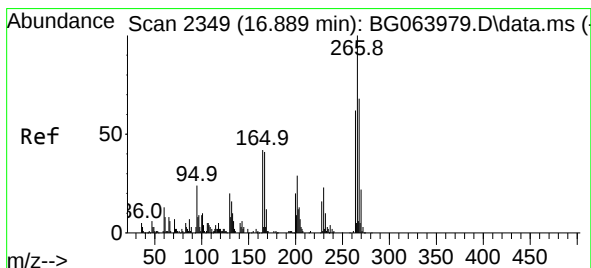
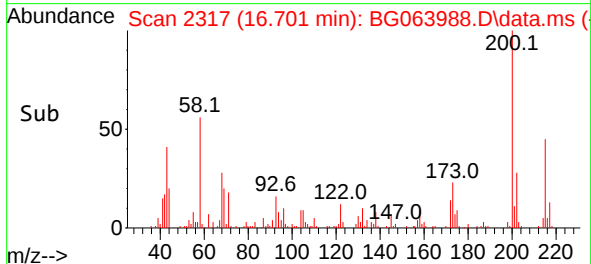
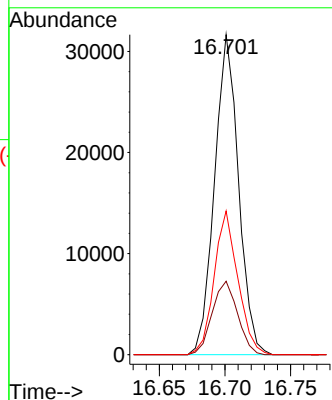
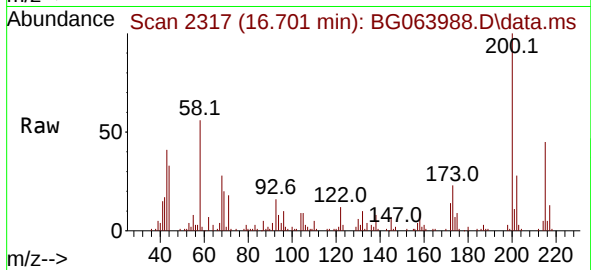
Tgt Ion:200 Resp: 40154

Ion Ratio Lower Upper

200 100

173 22.9 3.8 43.8

215 44.9 26.6 66.6



#70

Pentachlorophenol

Concen: 15.281 ng

RT: 16.889 min Scan# 2349

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

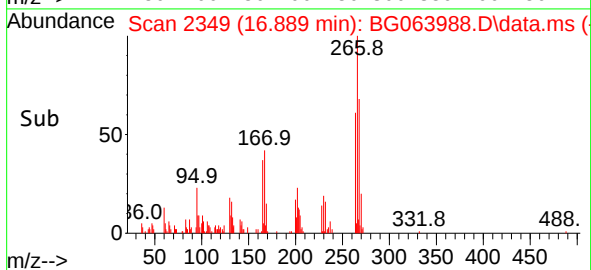
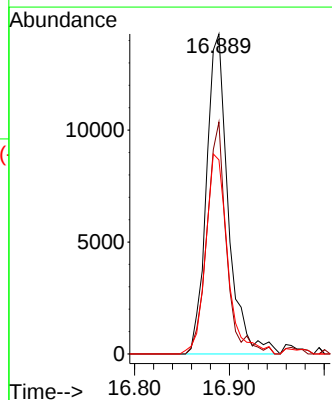
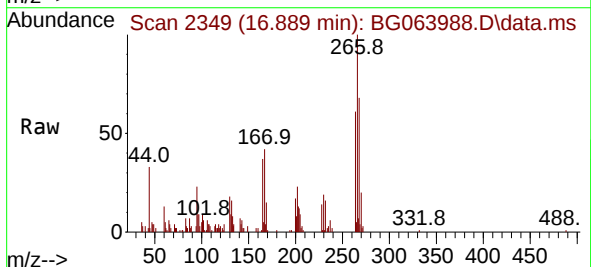
Tgt Ion:266 Resp: 22836

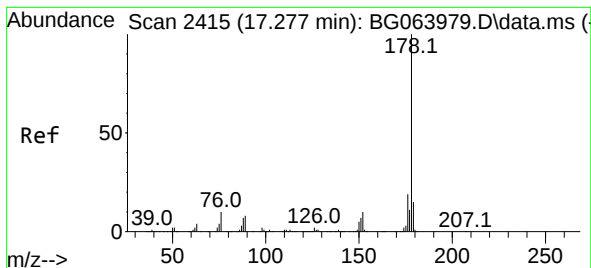
Ion Ratio Lower Upper

266 100

268 72.5 54.8 82.2

264 60.6 50.0 75.0





#71

Phenanthrene

Concen: 9.458 ng

RT: 17.277 min Scan# 2415

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

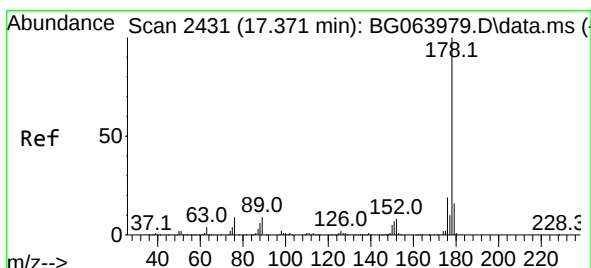
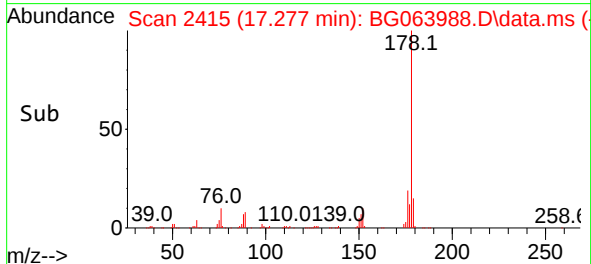
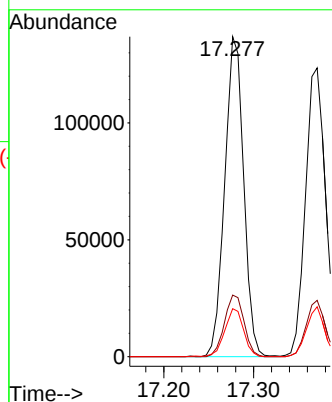
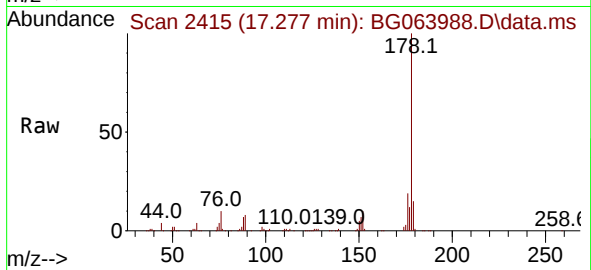
Tgt Ion:178 Resp: 200679

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.0 12.2 18.4



#72

Anthracene

Concen: 8.946 ng

RT: 17.371 min Scan# 2431

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

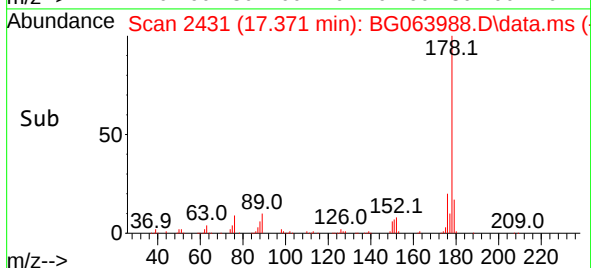
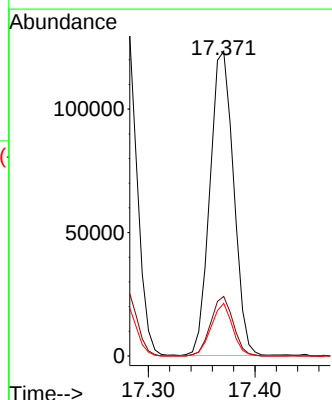
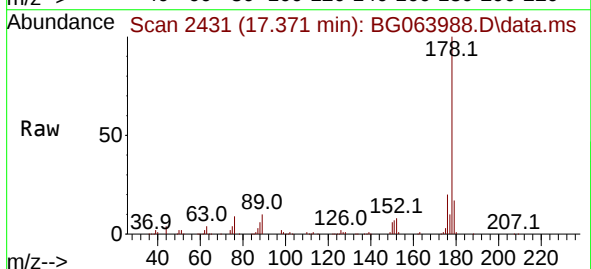
Tgt Ion:178 Resp: 189926

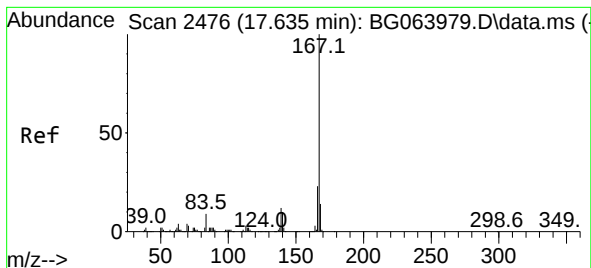
Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 17.3 12.8 19.2





#73

Carbazole

Concen: 9.153 ng

RT: 17.635 min Scan# 2476

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

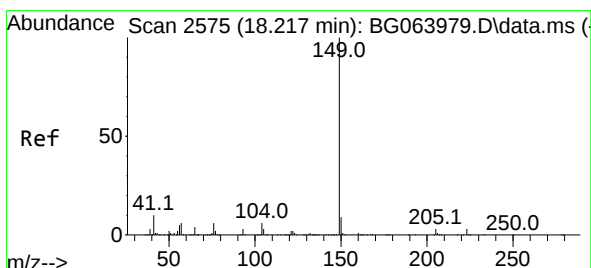
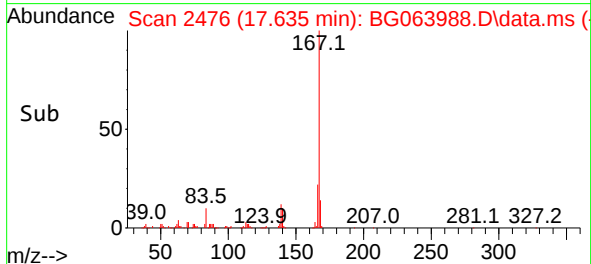
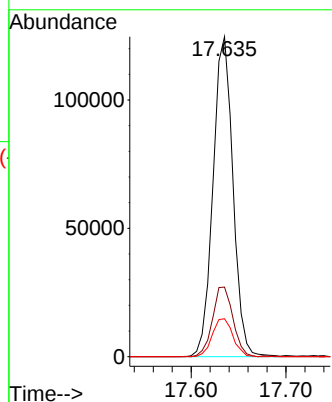
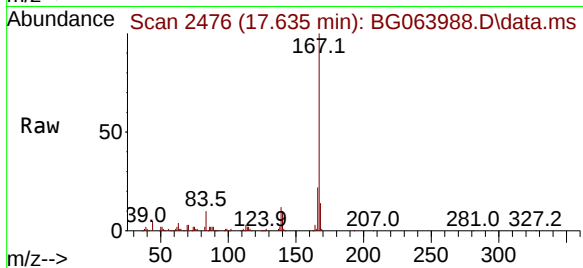
Tgt Ion:167 Resp: 181913

Ion Ratio Lower Upper

167 100

166 21.7 18.6 28.0

139 11.9 9.8 14.8



#74

Di-n-butylphthalate

Concen: 9.508 ng

RT: 18.217 min Scan# 2575

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

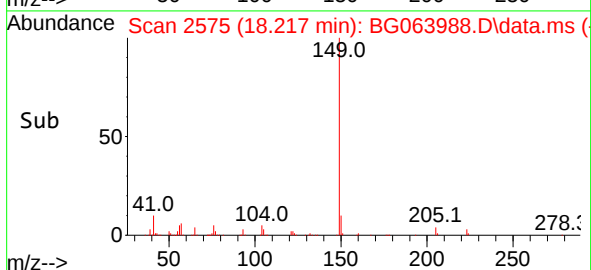
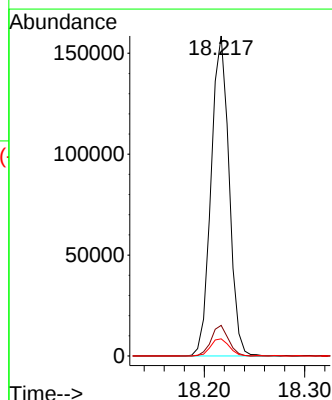
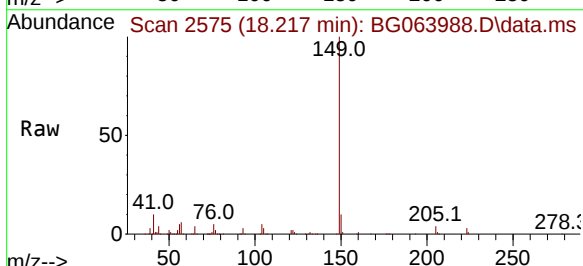
Tgt Ion:149 Resp: 196974

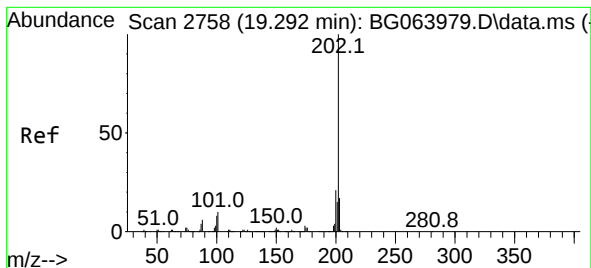
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.0

104 5.4 4.6 6.8





#75

Fluoranthene

Concen: 9.108 ng

RT: 19.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

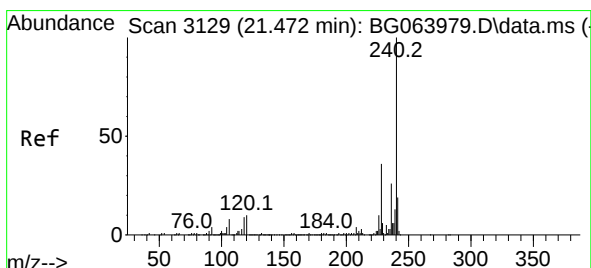
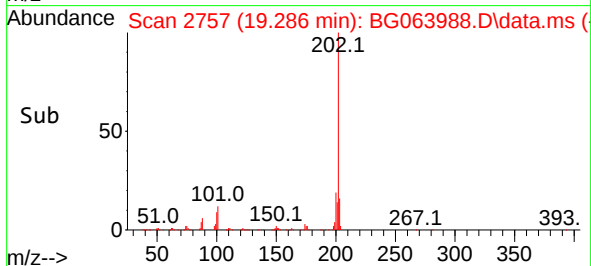
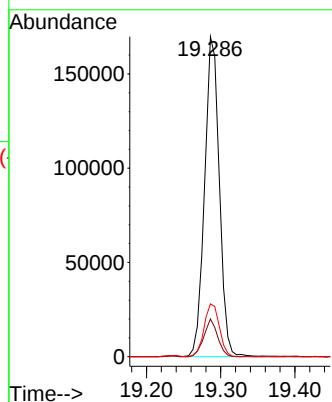
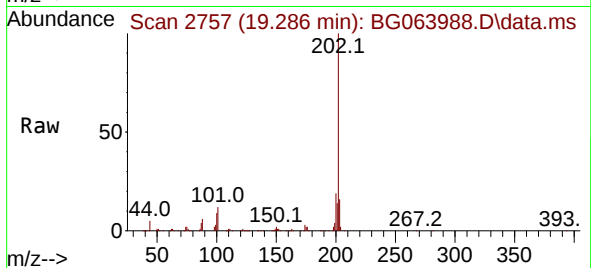
Tgt Ion:202 Resp: 235332

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.4

203 16.5 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.472 min Scan# 3129

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

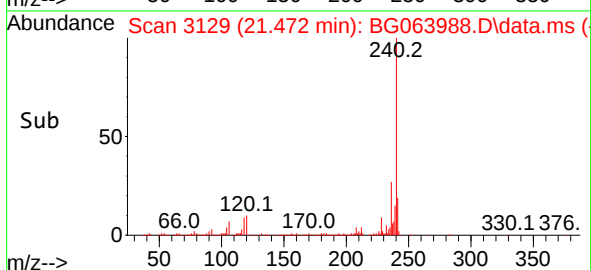
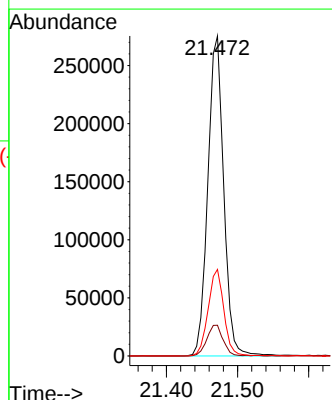
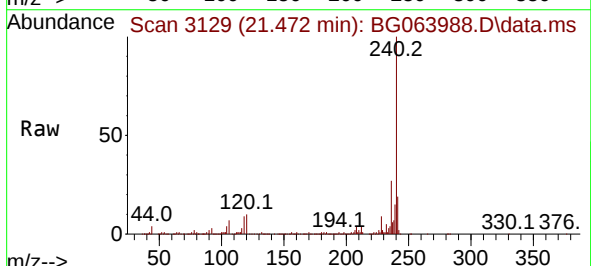
Tgt Ion:240 Resp: 429032

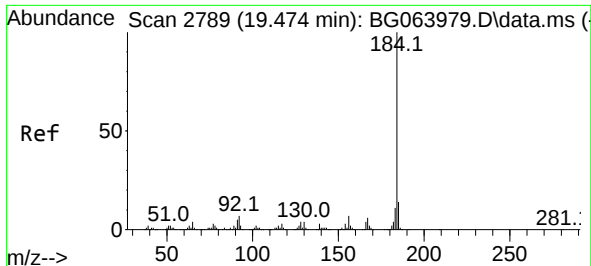
Ion Ratio Lower Upper

240 100

120 9.6 7.9 11.9

236 27.0 21.0 31.6

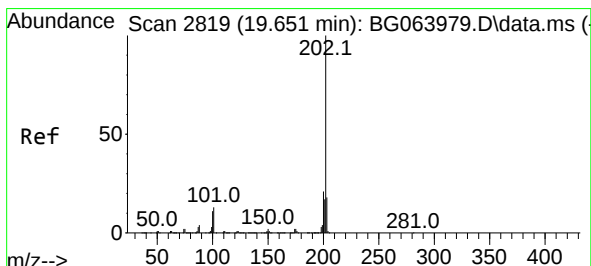
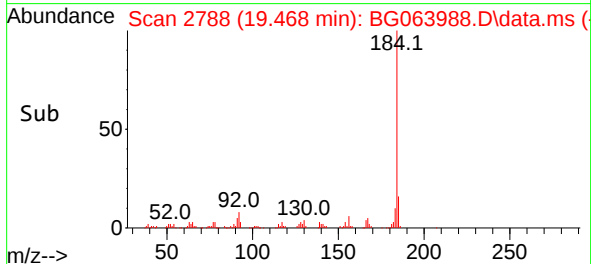
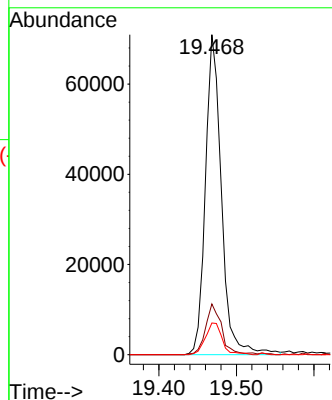
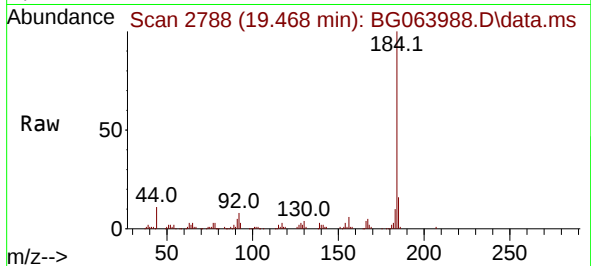




#77
Benzidine
Concen: 11.140 ng
RT: 19.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

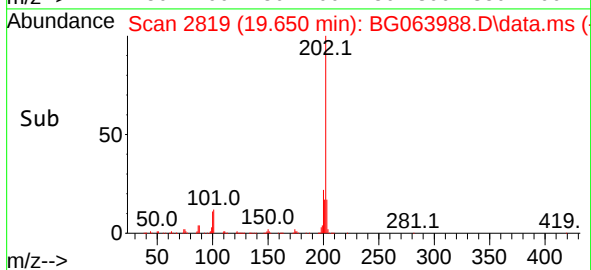
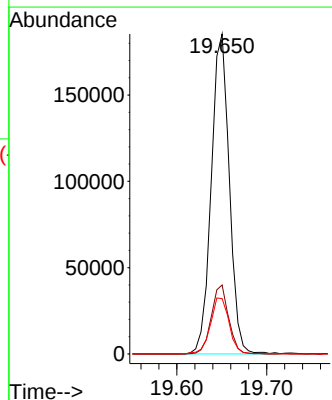
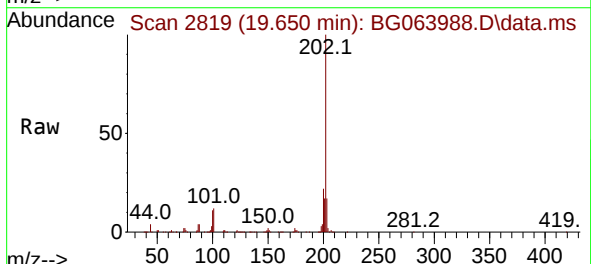
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

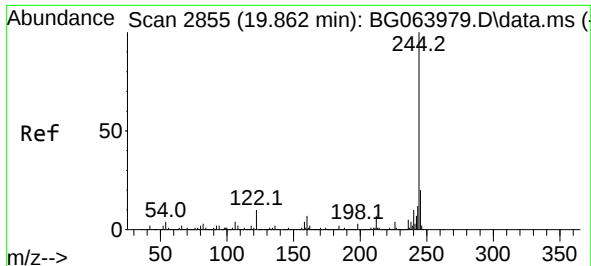
Tgt Ion:184 Resp: 101777
Ion Ratio Lower Upper
184 100
185 15.9 11.2 16.8
183 9.9 8.7 13.1



#78
Pyrene
Concen: 9.754 ng
RT: 19.650 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:202 Resp: 258342
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.3 14.5 21.7

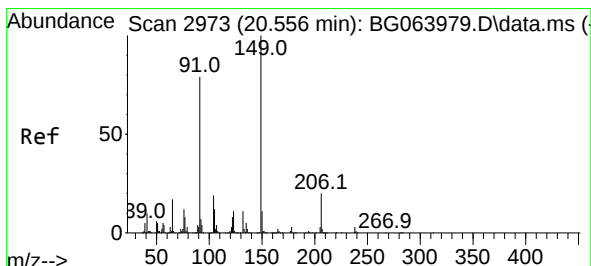
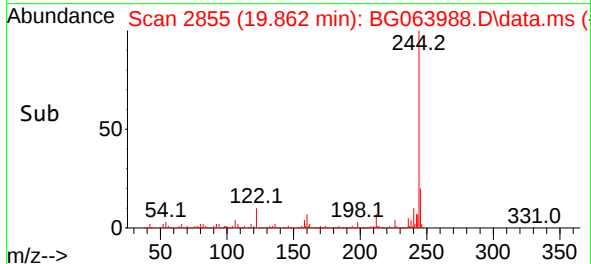
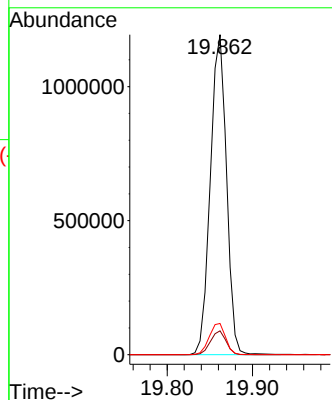
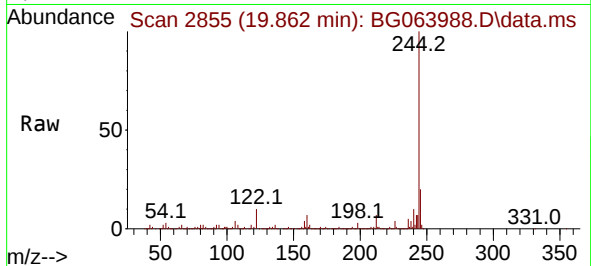




#79
 Terphenyl-d14
 Concen: 76.518 ng
 RT: 19.862 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BG063988.D
 Acq: 4 Feb 2025 11:05

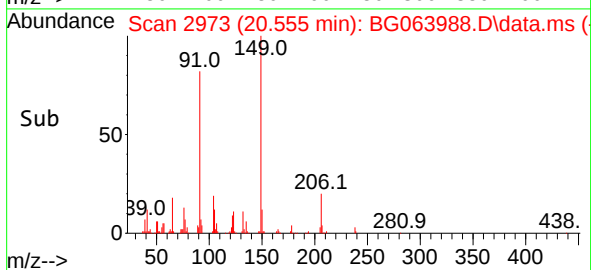
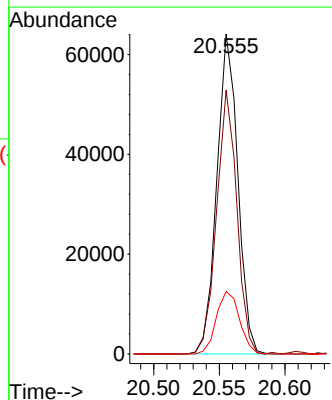
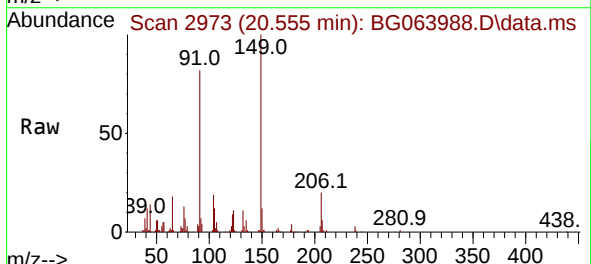
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

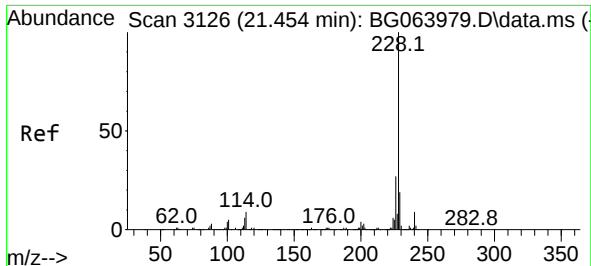
Tgt Ion:244 Resp: 1571902
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 9.8 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 12.351 ng
 RT: 20.555 min Scan# 2973
 Delta R.T. -0.001 min
 Lab File: BG063988.D
 Acq: 4 Feb 2025 11:05

Tgt Ion:149 Resp: 71067
 Ion Ratio Lower Upper
 149 100
 91 82.5 63.0 94.6
 206 19.6 15.8 23.6

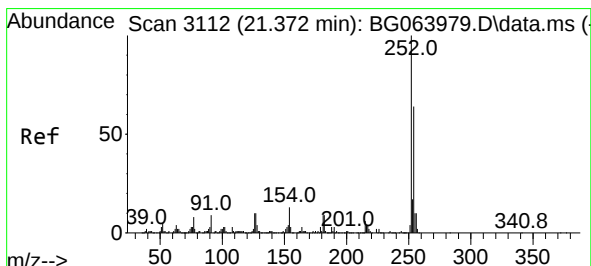
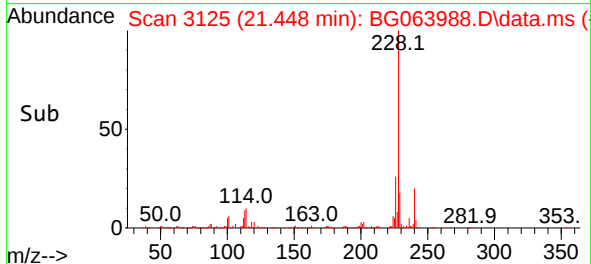
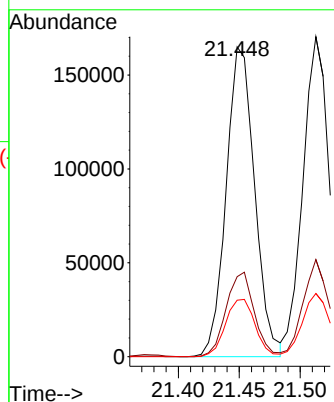
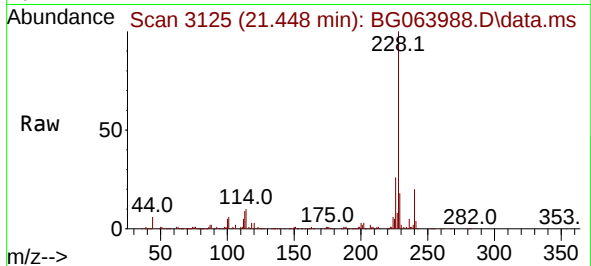




#81
Benzo(a)anthracene
Concen: 9.850 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

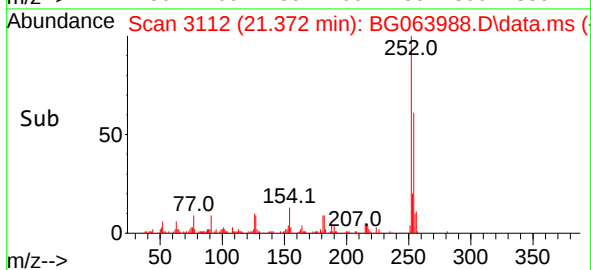
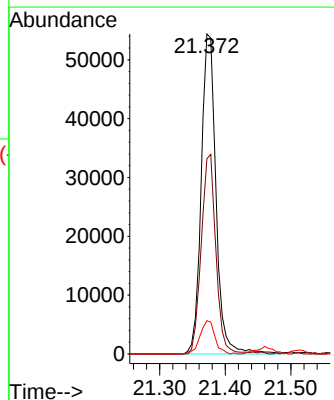
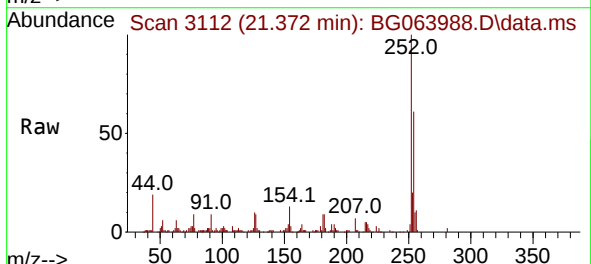
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

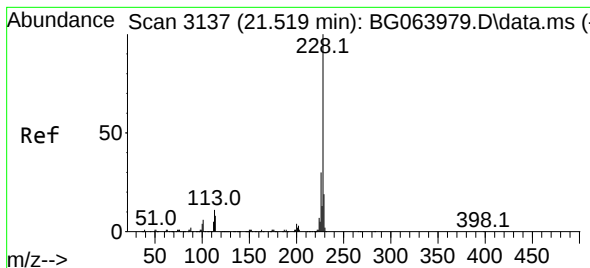
Tgt Ion:228 Resp: 268323
Ion Ratio Lower Upper
228 100
226 25.8 21.8 32.6
229 18.3 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 10.093 ng
RT: 21.372 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:252 Resp: 85619
Ion Ratio Lower Upper
252 100
254 61.0 50.8 76.2
126 10.4 8.2 12.2





#83

Chrysene

Concen: 9.637 ng

RT: 21.513 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

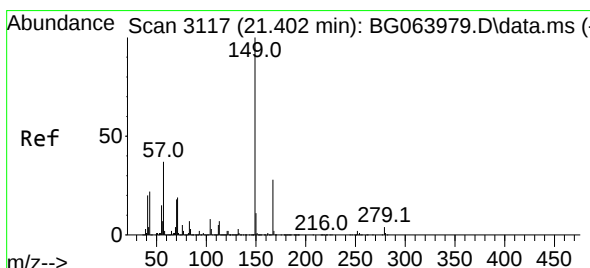
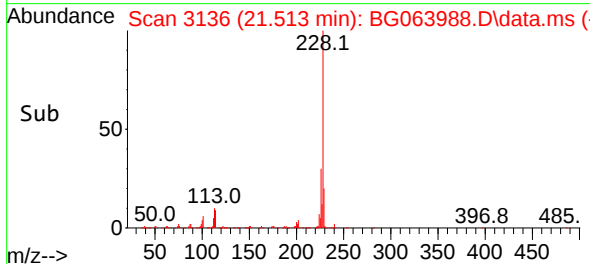
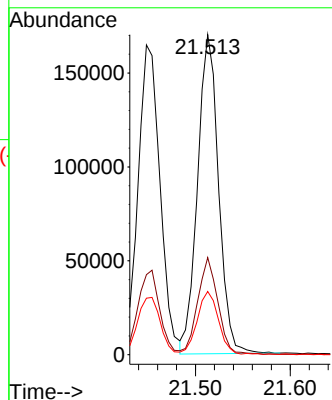
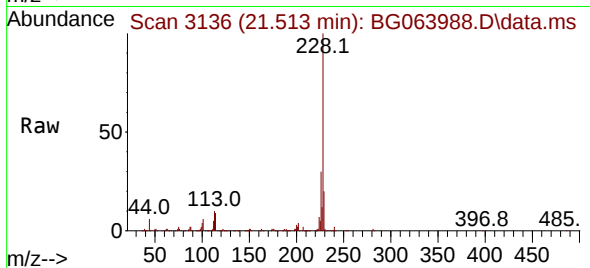
Tgt Ion:228 Resp: 261229

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

229 19.7 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.978 ng

RT: 21.395 min Scan# 3116

Delta R.T. -0.007 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

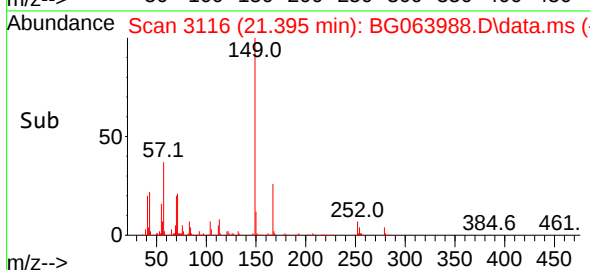
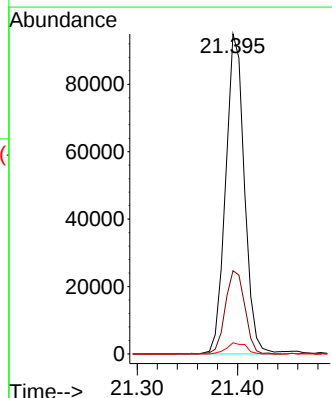
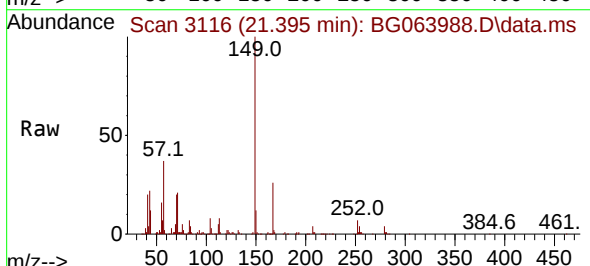
Tgt Ion:149 Resp: 122810

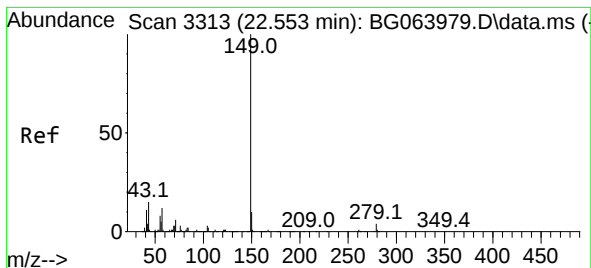
Ion Ratio Lower Upper

149 100

167 26.0 22.5 33.7

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 13.583 ng

RT: 22.547 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

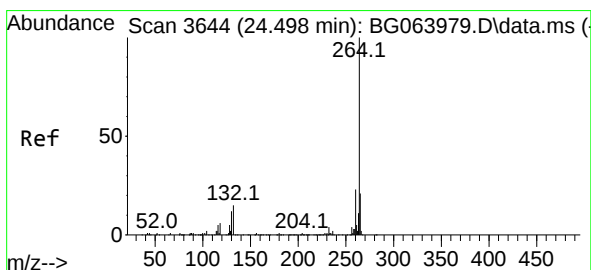
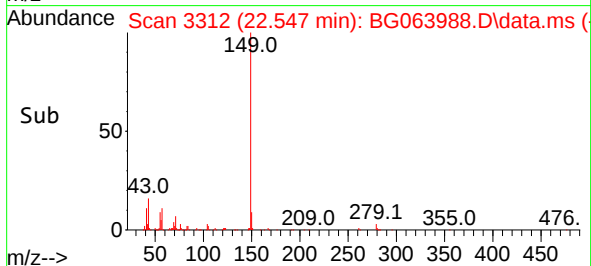
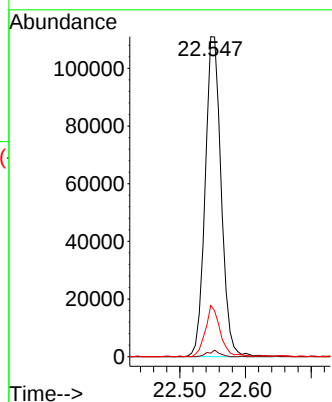
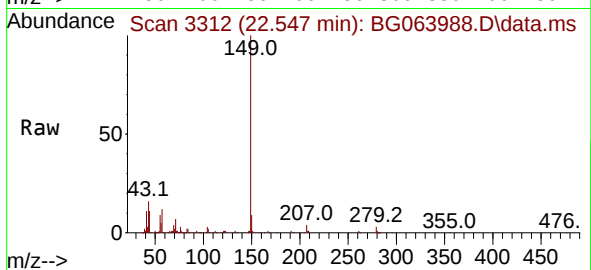
Tgt Ion:149 Resp: 188459

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 14.9 12.3 18.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.498 min Scan# 3644

Delta R.T. -0.000 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

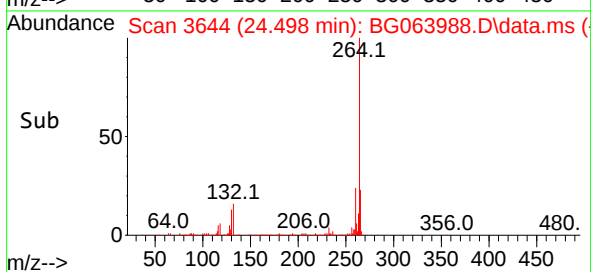
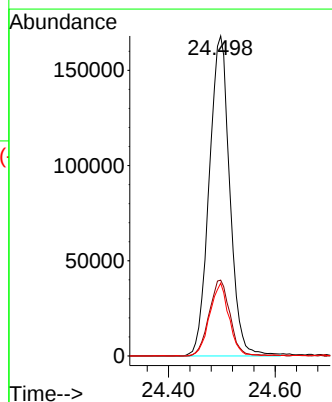
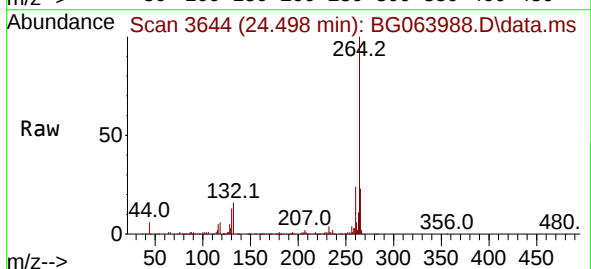
Tgt Ion:264 Resp: 449895

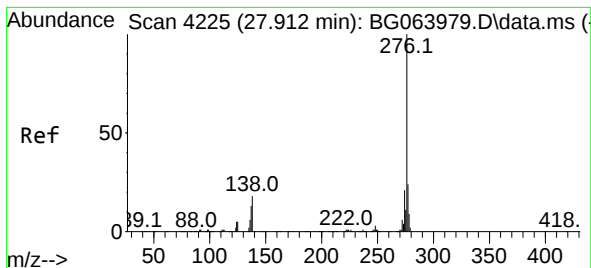
Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.8 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.776 ng

RT: 27.905 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

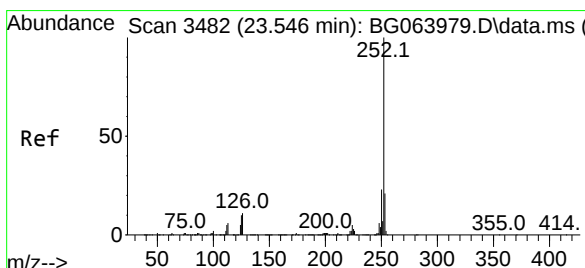
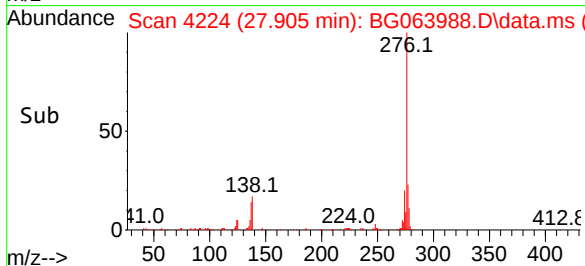
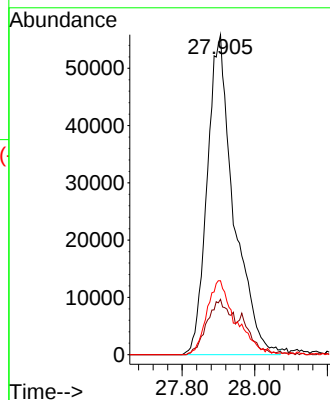
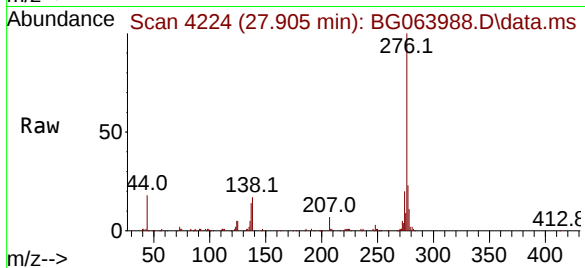
Tgt Ion:276 Resp: 283730

Ion Ratio Lower Upper

276 100

138 16.3 10.7 16.1#

277 25.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.440 ng

RT: 23.540 min Scan# 3481

Delta R.T. -0.006 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

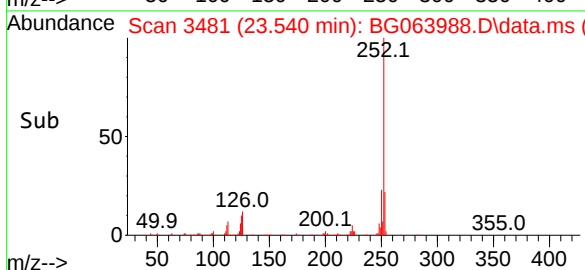
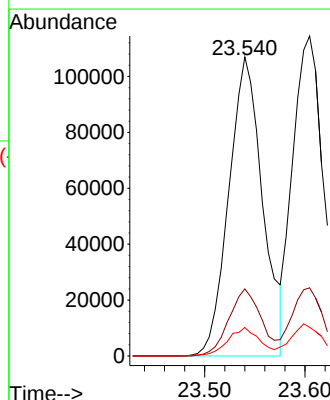
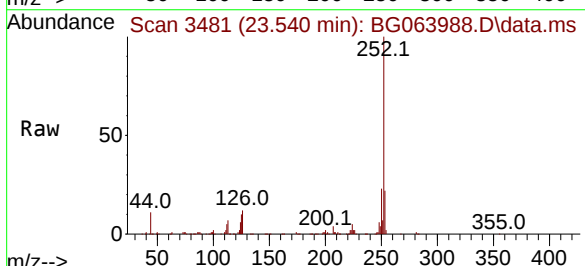
Tgt Ion:252 Resp: 250085

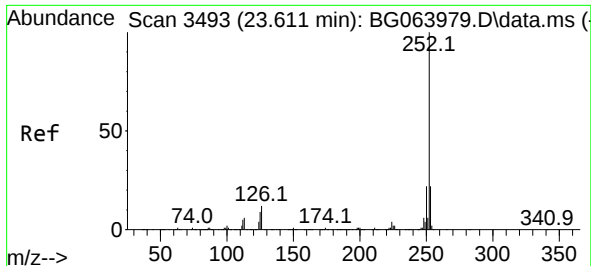
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 9.5 7.9 11.9

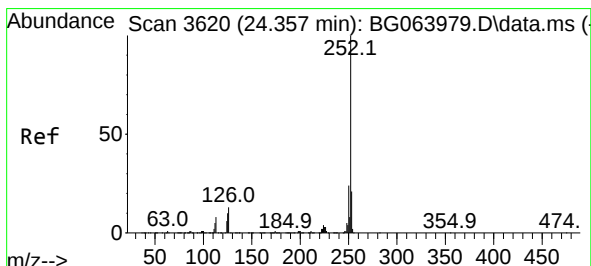
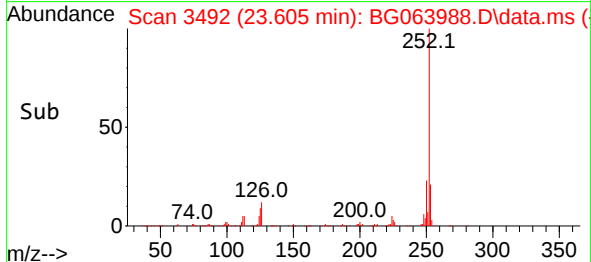
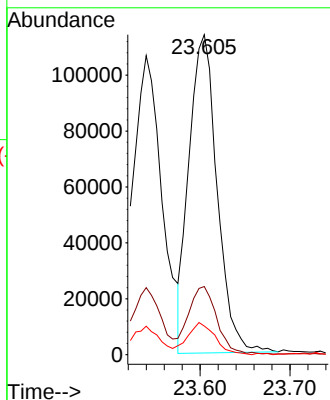
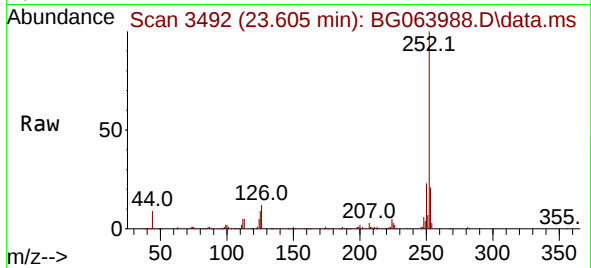




#89
Benzo(k)fluoranthene
Concen: 9.091 ng
RT: 23.605 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

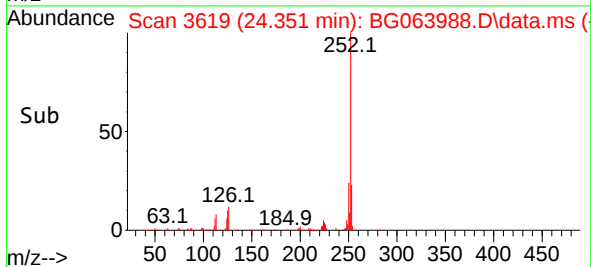
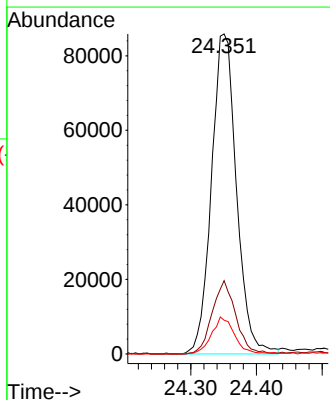
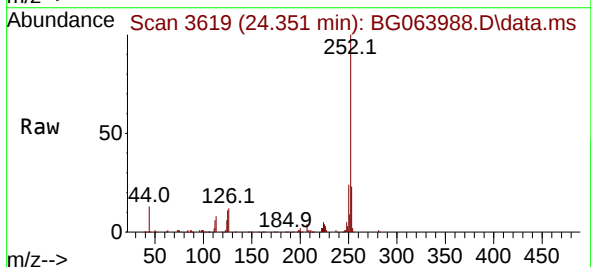
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

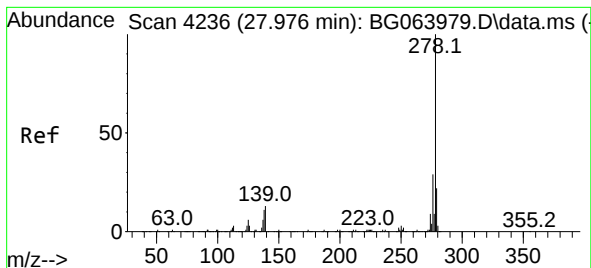
Tgt Ion:252 Resp: 247302
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 8.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 9.602 ng
RT: 24.351 min Scan# 3619
Delta R.T. -0.006 min
Lab File: BG063988.D
Acq: 4 Feb 2025 11:05

Tgt Ion:252 Resp: 227067
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 10.6 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 9.310 ng

RT: 27.964 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

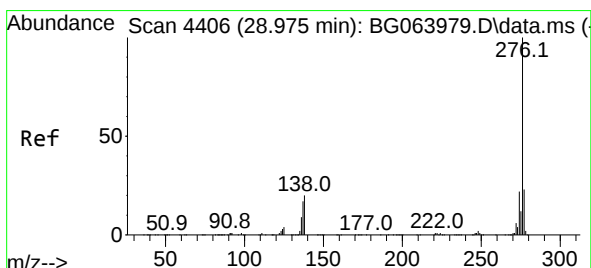
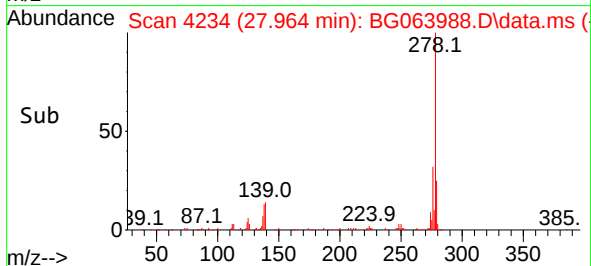
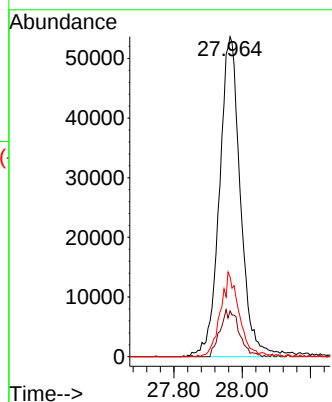
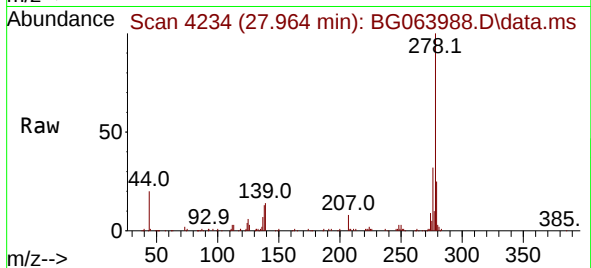
Tgt Ion:278 Resp: 228172

Ion Ratio Lower Upper

278 100

139 14.3 10.8 16.2

279 24.8 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 9.130 ng

RT: 28.945 min Scan# 4401

Delta R.T. -0.030 min

Lab File: BG063988.D

Acq: 4 Feb 2025 11:05

Tgt Ion:276 Resp: 225876

Ion Ratio Lower Upper

276 100

277 21.9 18.2 27.4

138 16.7 15.8 23.6

