

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020425\
 Data File : BG063990.D
 Acq On : 4 Feb 2025 12:55
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 04 13:33:46 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	61102	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	261218	20.000	ng	0.00
39) Acenaphthene-d10	14.497	164	174773	20.000	ng	0.00
64) Phenanthrene-d10	17.235	188	406753	20.000	ng	0.00
76) Chrysene-d12	21.471	240	427660	20.000	ng	0.00
86) Perylene-d12	24.497	264	443135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	367265	96.370	ng	0.00
7) Phenol-d6	7.035	99	495816	94.804	ng	0.00
23) Nitrobenzene-d5	9.021	82	316937	73.739	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	178012	93.084	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	789513	69.212	ng	0.00
79) Terphenyl-d14	19.861	244	1352100	66.029	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.398	88	15966	8.821	ng	96
3) Pyridine	3.786	79	34468	7.053	ng	94
4) n-Nitrosodimethylamine	3.698	42	22947	8.166	ng	# 99
6) Aniline	7.200	93	48778	8.703	ng	98
8) 2-Chlorophenol	7.441	128	34385	8.855	ng	91
9) Benzaldehyde	7.018	77	32380	11.341	ng	98
10) Phenol	7.059	94	45007	8.175	ng	96
11) bis(2-Chloroethyl)ether	7.300	93	35883	8.094	ng	95
12) 1,3-Dichlorobenzene	7.764	146	37422	8.098	ng	97
13) 1,4-Dichlorobenzene	7.911	146	38722	8.297	ng	94
14) 1,2-Dichlorobenzene	8.222	146	37599	8.406	ng	91
15) Benzyl Alcohol	8.105	79	31446	8.044	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.393	45	76921	8.617	ng	97
17) 2-Methylphenol	8.310	107	28462	7.994	ng	97
18) Hexachloroethane	8.957	117	13410	8.731	ng	94
19) n-Nitroso-di-n-propyla...	8.675	70	30540	8.432	ng	# 95
20) 3+4-Methylphenols	8.628	107	37102	7.822	ng	93
22) Acetophenone	8.686	105	59319	8.265	ng	99
24) Nitrobenzene	9.068	77	40629	11.351	ng	# 97
25) Isophorone	9.585	82	78537	8.429	ng	# 97
26) 2-Nitrophenol	9.779	139	8492	14.134	ng	96
27) 2,4-Dimethylphenol	9.838	122	17308	6.458	ng	87
28) bis(2-Chloroethoxy)met...	10.073	93	46509	7.845	ng	98
29) 2,4-Dichlorophenol	10.302	162	27060	10.512	ng	97
30) 1,2,4-Trichlorobenzene	10.525	180	36258	8.234	ng	98
31) Naphthalene	10.713	128	113751	8.122	ng	99
32) Benzoic acid	9.914	122	8490	12.080	ng	# 79
33) 4-Chloroaniline	10.813	127	43290	8.068	ng	96
34) Hexachlorobutadiene	11.007	225	23705	8.454	ng	97
35) Caprolactam	11.554	113	9743	11.639	ng	# 76
36) 4-Chloro-3-methylphenol	11.930	107	35371	8.245	ng	96
37) 2-Methylnaphthalene	12.317	142	78375	8.031	ng	99
38) 1-Methylnaphthalene	12.541	142	74891	7.755	ng	96
40) 1,2,4,5-Tetrachloroben...	12.688	216	44514	8.637	ng	99
41) Hexachlorocyclopentadiene	12.676	237	12722	9.753	ng	95
43) 2,4,6-Trichlorophenol	12.923	196	20909	11.095	ng	93

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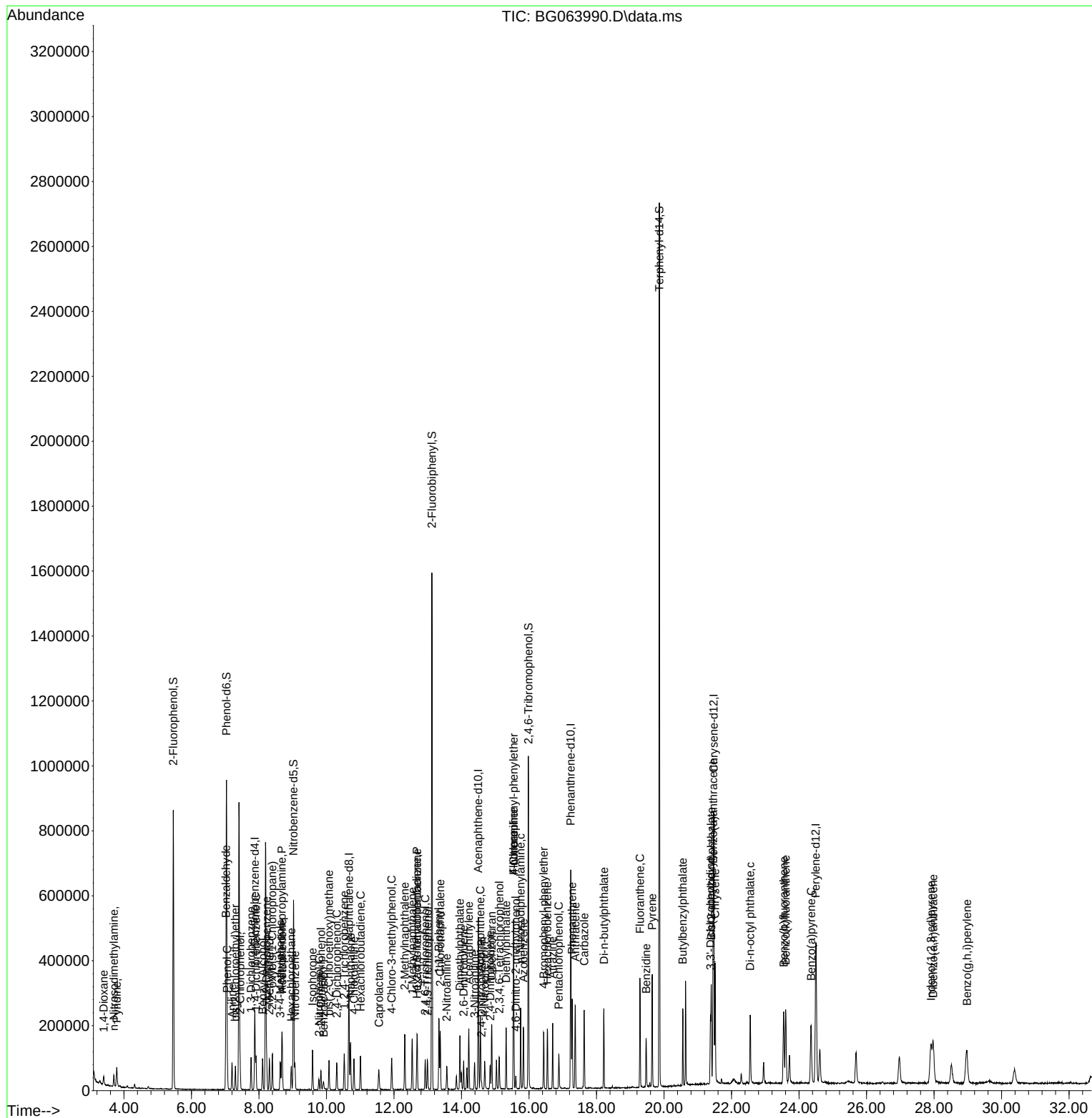
Instrument :
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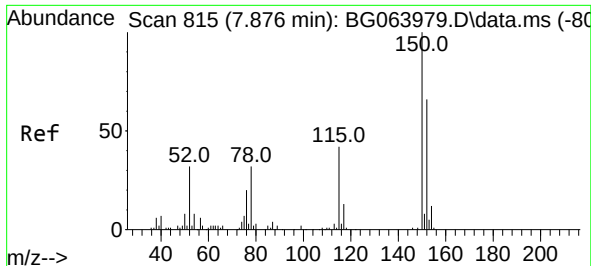
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.993	196	24762	10.609	ng	98
46) 1,1'-Biphenyl	13.328	154	114109	8.575	ng	97
47) 2-Chloronaphthalene	13.369	162	80106	8.259	ng	99
48) 2-Nitroaniline	13.563	65	17304	11.561	ng	90
49) Acenaphthylene	14.215	152	127953	8.493	ng	95
50) Dimethylphthalate	13.951	163	98214	8.475	ng	98
51) 2,6-Dinitrotoluene	14.062	165	14361	11.175	ng	95
52) Acenaphthene	14.556	154	80289	7.945	ng	94
53) 3-Nitroaniline	14.386	138	16256	10.959	ng	91
54) 2,4-Dinitrophenol	14.591	184	4022	13.742	ng	# 84
55) Dibenzofuran	14.897	168	132552	8.078	ng	99
56) 4-Nitrophenol	14.685	139	15473	14.610	ng	97
57) 2,4-Dinitrotoluene	14.850	165	17585	11.269	ng	93
58) Fluorene	15.543	166	100102	7.893	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.120	232	21880	11.140	ng	98
60) Diethylphthalate	15.320	149	100228	8.158	ng	100
61) 4-Chlorophenyl-phenyle...	15.543	204	52499	8.250	ng	96
62) 4-Nitroaniline	15.543	138	18462	10.117	ng	96
63) Azobenzene	15.831	77	112332	7.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.608	198	7401	13.878	ng	76
66) n-Nitrosodiphenylamine	15.749	169	87169	7.729	ng	99
67) 4-Bromophenyl-phenylether	16.436	248	33079	8.170	ng	97
68) Hexachlorobenzene	16.542	284	37365	7.850	ng	# 92
69) Atrazine	16.701	200	32621	8.692	ng	95
70) Pentachlorophenol	16.883	266	18766	14.069	ng	90
71) Phenanthrene	17.276	178	173256	8.110	ng	99
72) Anthracene	17.370	178	162850	7.618	ng	97
73) Carbazole	17.635	167	155472	7.769	ng	97
74) Di-n-butylphthalate	18.216	149	165845	7.951	ng	99
75) Fluoranthene	19.286	202	196691	7.561	ng	98
77) Benzidine	19.468	184	86716	9.522	ng	94
78) Pyrene	19.650	202	217634	8.243	ng	98
80) Butylbenzylphthalate	20.555	149	61717	11.476	ng	96
81) Benzo(a)anthracene	21.454	228	227713	8.386	ng	97
82) 3,3'-Dichlorobenzidine	21.377	252	71757	8.486	ng	99
83) Chrysene	21.512	228	221196	8.186	ng	98
84) Bis(2-ethylhexyl)phtha...	21.401	149	105773	10.957	ng	95
85) Di-n-octyl phthalate	22.552	149	165365	12.788	ng	98
87) Indeno(1,2,3-cd)pyrene	27.911	276	237433	8.305	ng	# 92
88) Benzo(b)fluoranthene	23.545	252	206998	7.933	ng	97
89) Benzo(k)fluoranthene	23.604	252	209234	7.809	ng	98
90) Benzo(a)pyrene	24.356	252	189230	8.124	ng	97
91) Dibenzo(a,h)anthracene	27.976	278	195809	8.112	ng	97
92) Benzo(g,h,i)perylene	28.974	276	187585	7.698	ng	97

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

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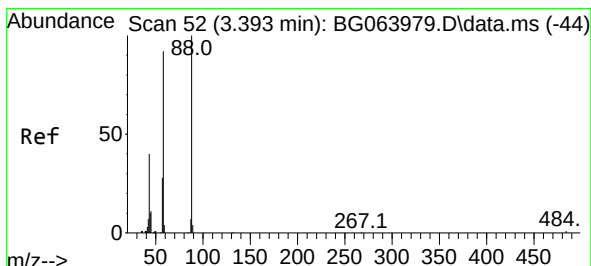
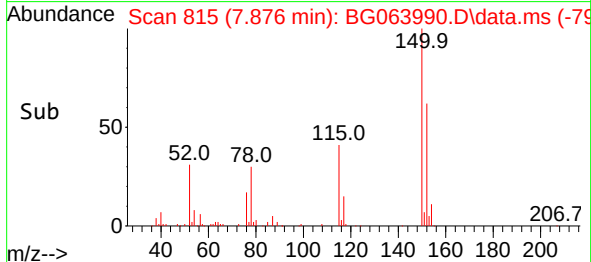
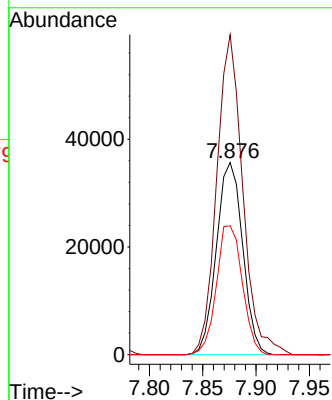
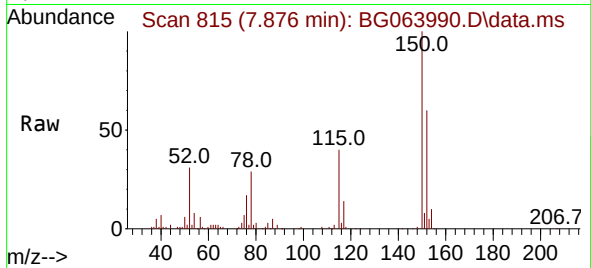




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.876 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

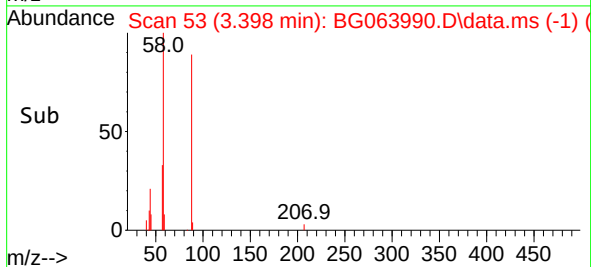
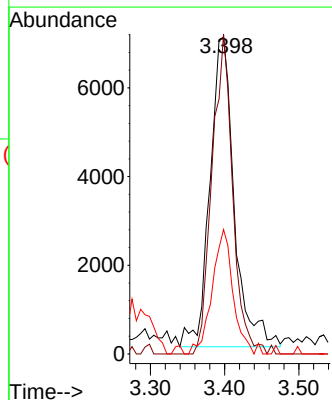
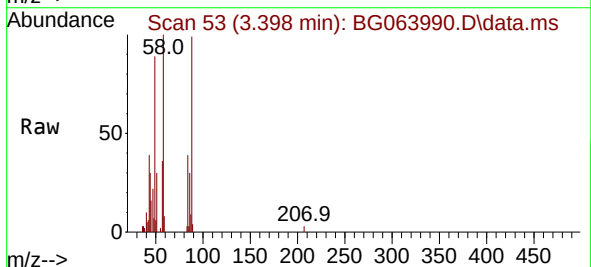
Instrument :
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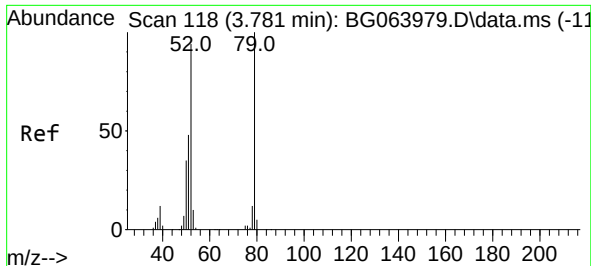
Tgt Ion:152 Resp: 61102
Ion Ratio Lower Upper
152 100
150 166.5 121.0 181.6
115 67.1 50.4 75.6



#2
1,4-Dioxane
Concen: 8.821 ng
RT: 3.398 min Scan# 53
Delta R.T. 0.005 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion: 88 Resp: 15966
Ion Ratio Lower Upper
88 100
58 87.6 71.8 107.8
43 34.3 31.2 46.8





#3

Pyridine

Concen: 7.053 ng

RT: 3.786 min Scan# 118

Delta R.T. 0.005 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

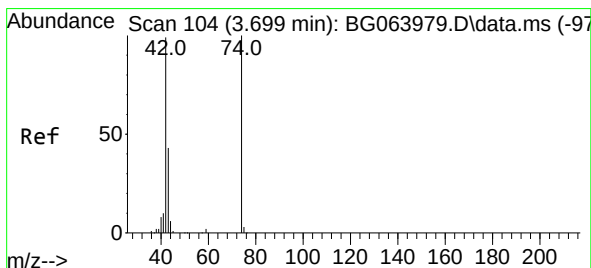
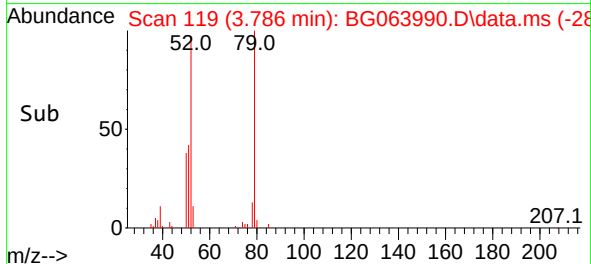
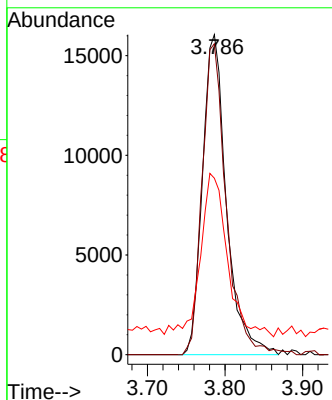
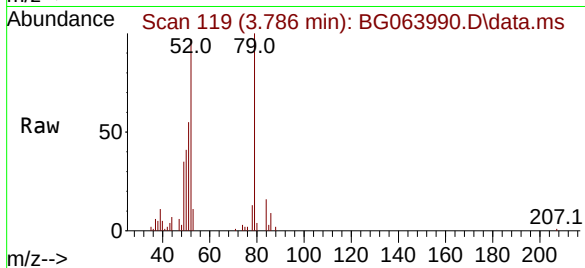
Tgt Ion: 79 Resp: 34468

Ion Ratio Lower Upper

79 100

52 97.2 75.1 112.7

51 55.2 38.9 58.3



#4

n-Nitrosodimethylamine

Concen: 8.166 ng

RT: 3.698 min Scan# 104

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

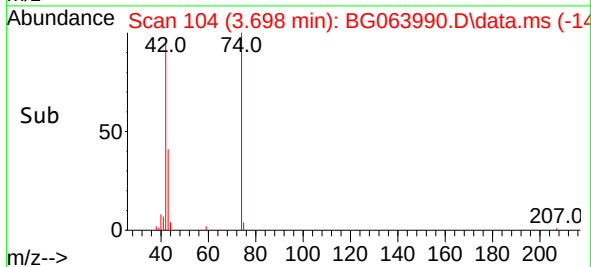
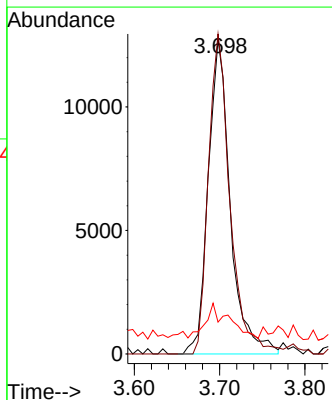
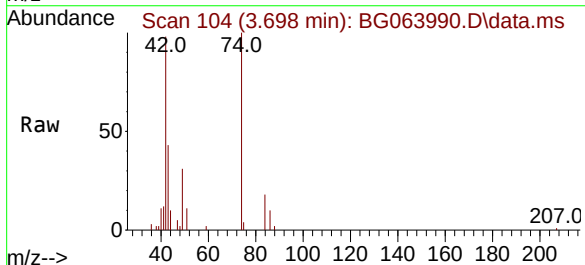
Tgt Ion: 42 Resp: 22947

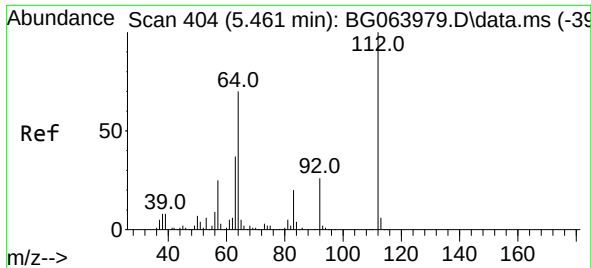
Ion Ratio Lower Upper

42 100

74 101.8 80.8 121.2

44 10.1 5.8 8.6#

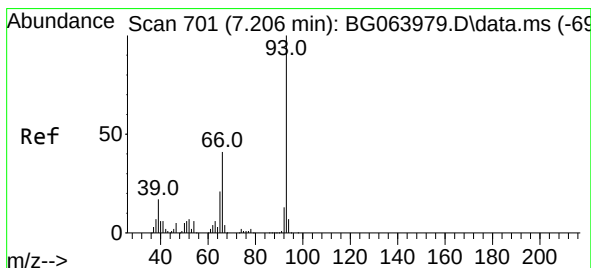
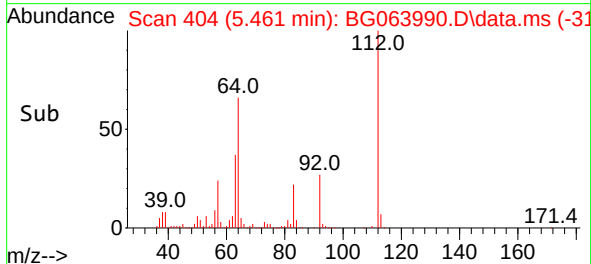
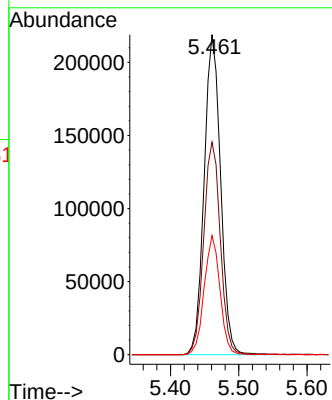
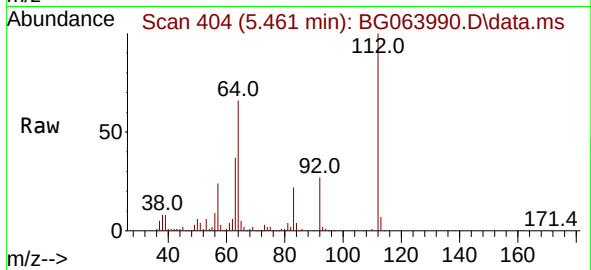




#5
2-Fluorophenol
Concen: 96.370 ng
RT: 5.461 min Scan# 404
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

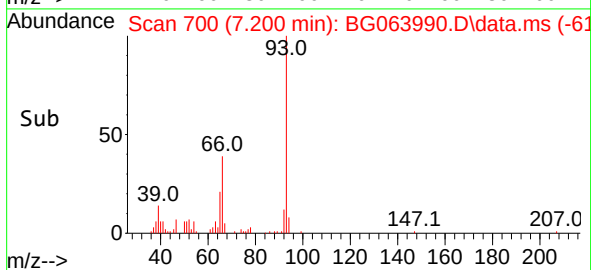
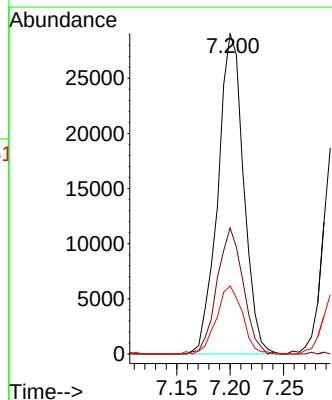
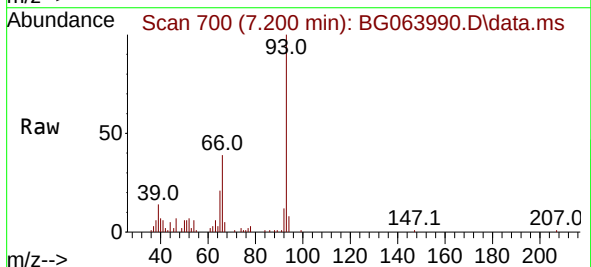
Instrument :
BNA_G
ClientSampleId :
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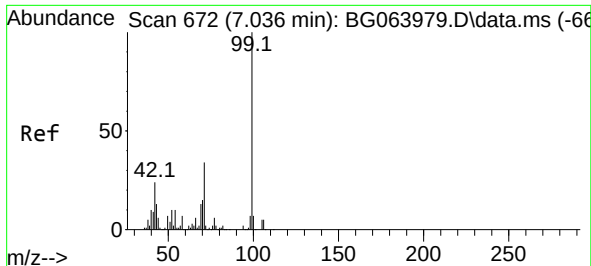
Tgt Ion:112 Resp: 367265
Ion Ratio Lower Upper
112 100
64 66.4 55.8 83.8
63 37.2 29.3 43.9



#6
Aniline
Concen: 8.703 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

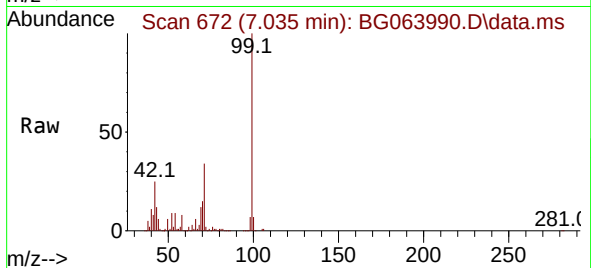
Tgt Ion: 93 Resp: 48778
Ion Ratio Lower Upper
93 100
66 39.4 32.5 48.7
65 21.2 16.6 25.0



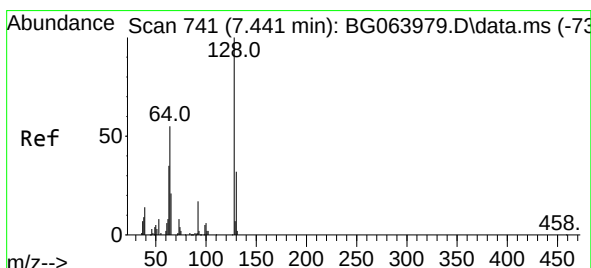
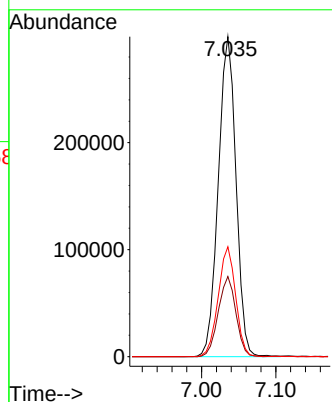
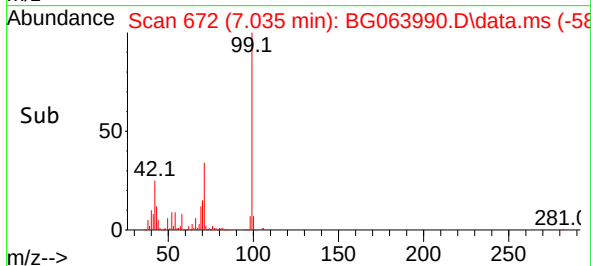


#7
Phenol-d6
Concen: 94.804 ng
RT: 7.035 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

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

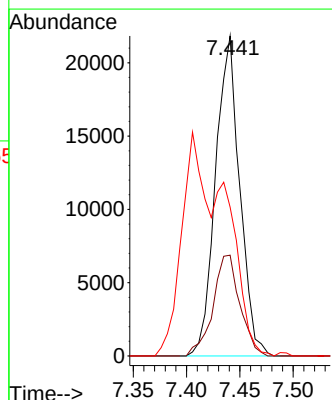
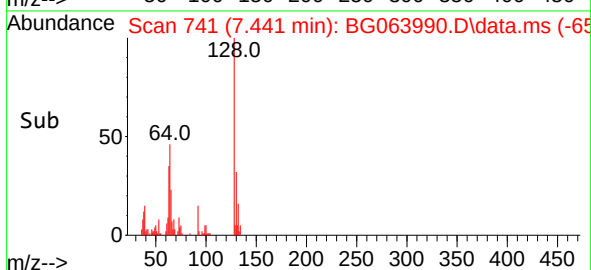
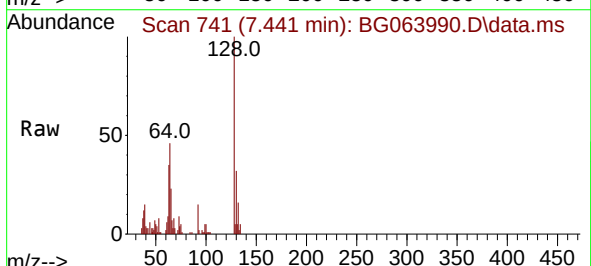


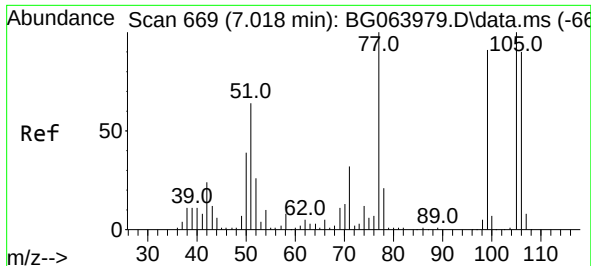
Tgt Ion: 99 Resp: 495816
Ion Ratio Lower Upper
99 100
42 25.0 18.9 28.3
71 34.3 27.0 40.6



#8
2-Chlorophenol
Concen: 8.855 ng
RT: 7.441 min Scan# 741
Delta R.T. -0.001 min
Lab File: BG063990.D
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Tgt Ion:128 Resp: 34385
Ion Ratio Lower Upper
128 100
130 31.5 11.9 51.9
64 46.5 36.8 76.8

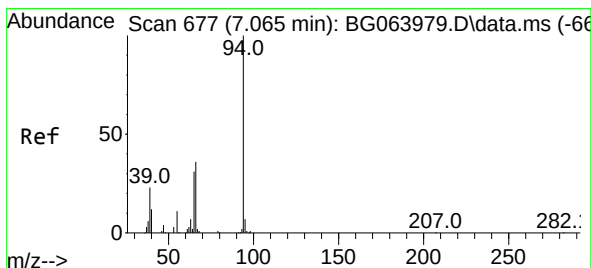
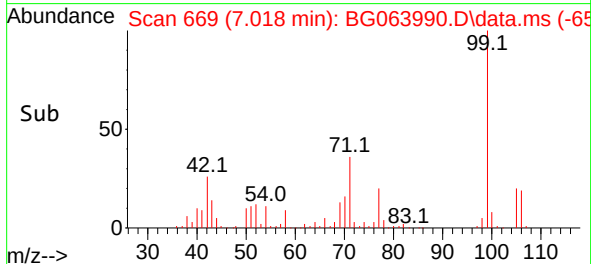
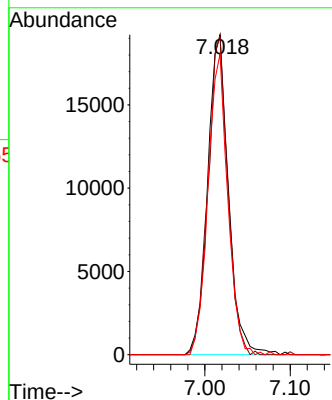
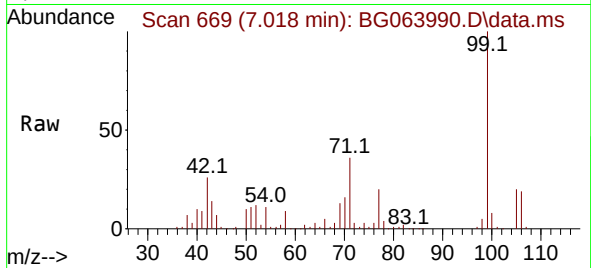




#9
Benzaldehyde
Concen: 11.341 ng
RT: 7.018 min Scan# 669
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

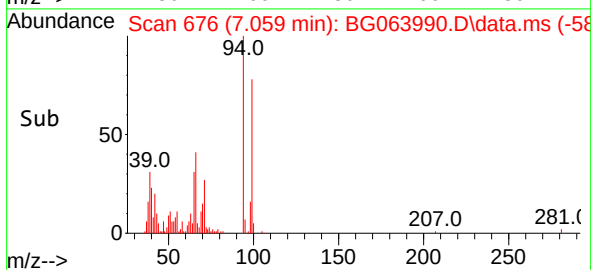
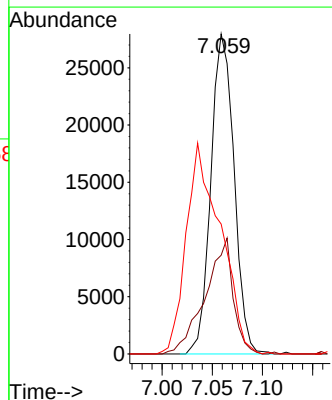
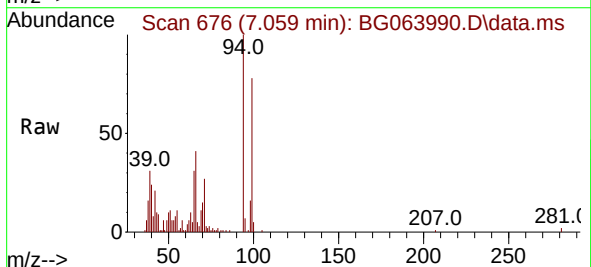
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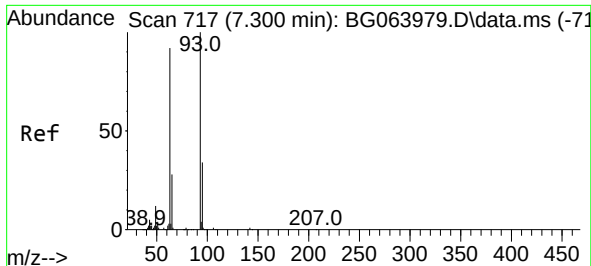
Tgt Ion: 77 Resp: 32380
Ion Ratio Lower Upper
77 100
105 99.6 79.8 119.8
106 94.0 69.9 109.9



#10
Phenol
Concen: 8.175 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion: 94 Resp: 45007
Ion Ratio Lower Upper
94 100
65 30.8 11.4 51.4
66 40.6 16.7 56.7

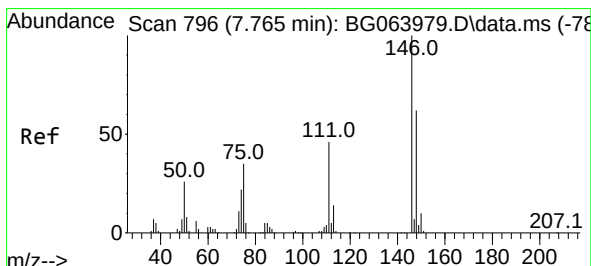
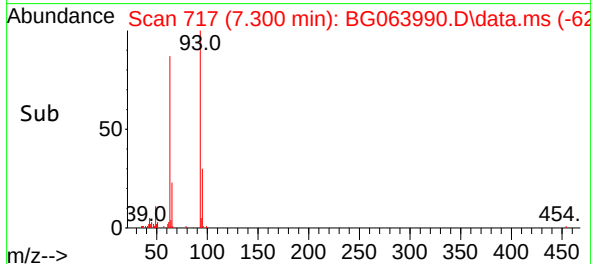
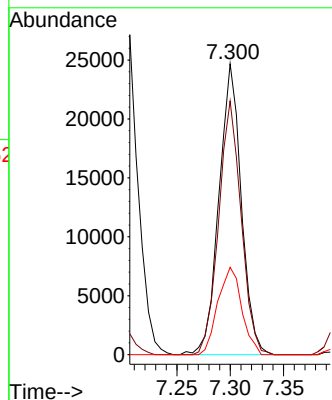
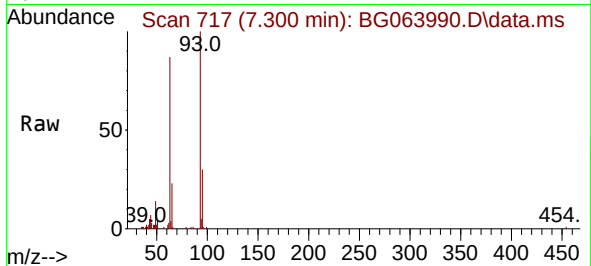




#11
bis(2-Chloroethyl)ether
Concen: 8.094 ng
RT: 7.300 min Scan# 717
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

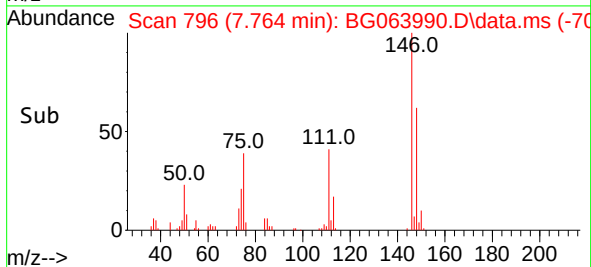
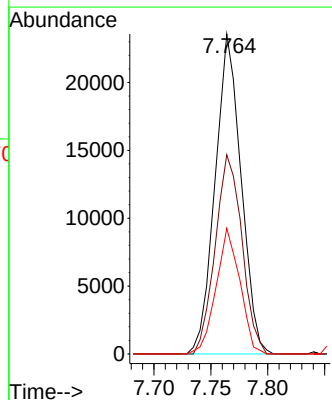
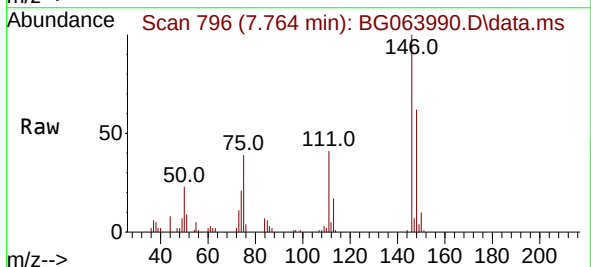
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

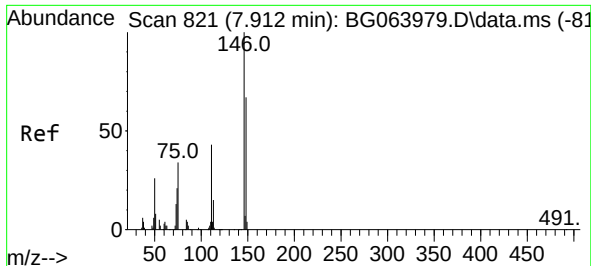
Tgt Ion: 93 Resp: 35883
Ion Ratio Lower Upper
93 100
63 87.2 71.2 111.2
95 30.0 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 8.098 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:146 Resp: 37422
Ion Ratio Lower Upper
146 100
148 62.2 49.6 74.4
75 39.3 27.8 41.8

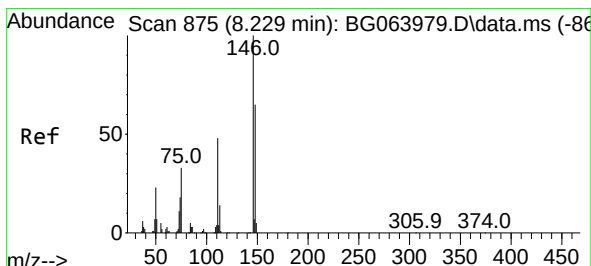
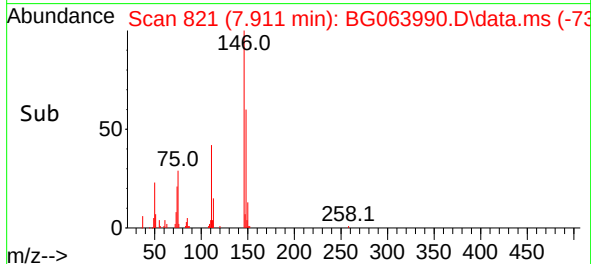
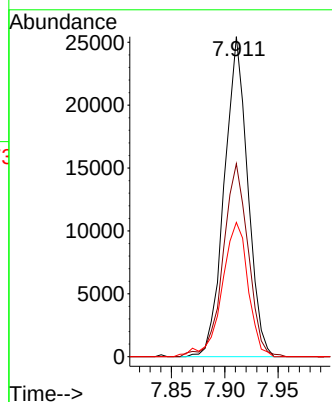
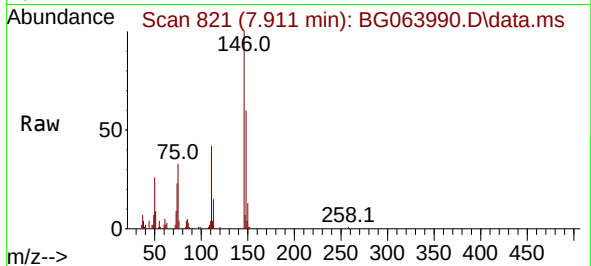




#13
1,4-Dichlorobenzene
Concen: 8.297 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

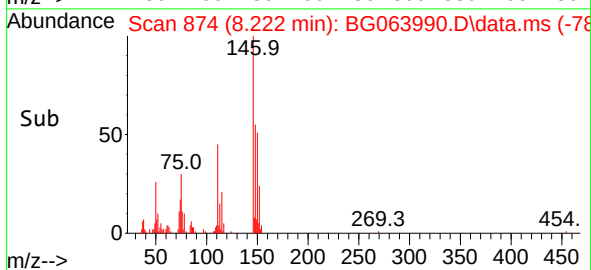
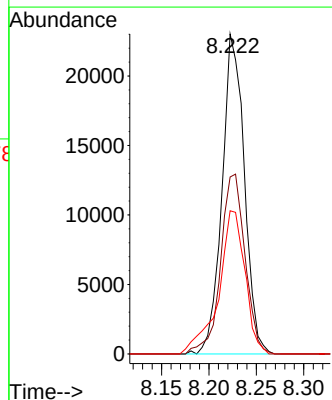
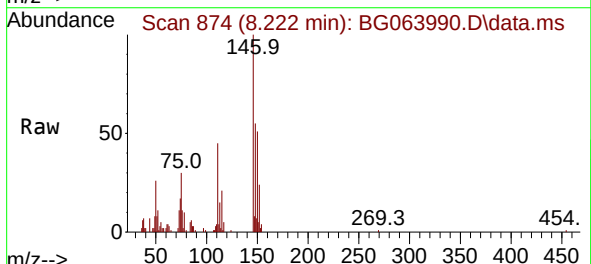
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

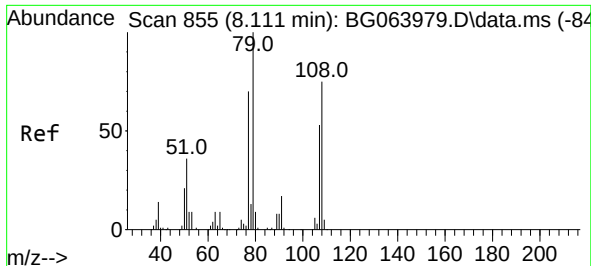
Tgt Ion:146 Resp: 38722
Ion Ratio Lower Upper
146 100
148 60.3 53.3 79.9
111 42.0 34.8 52.2



#14
1,2-Dichlorobenzene
Concen: 8.406 ng
RT: 8.222 min Scan# 874
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:146 Resp: 37599
Ion Ratio Lower Upper
146 100
148 55.3 52.0 78.0
111 44.8 38.2 57.2

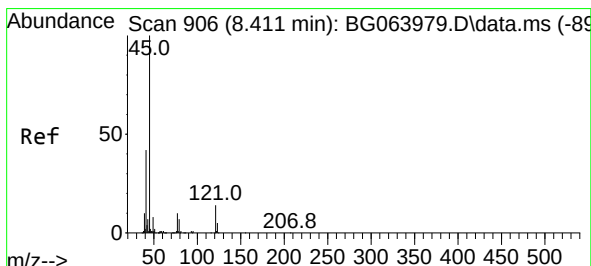
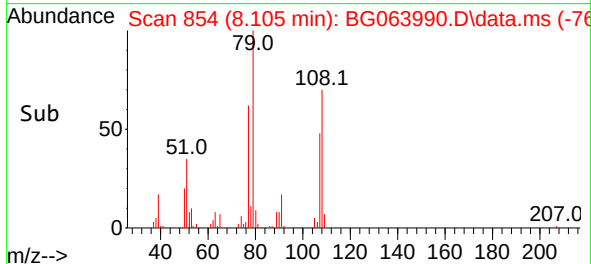
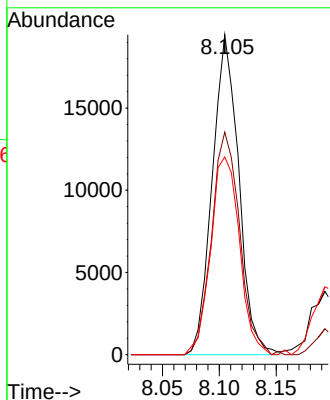
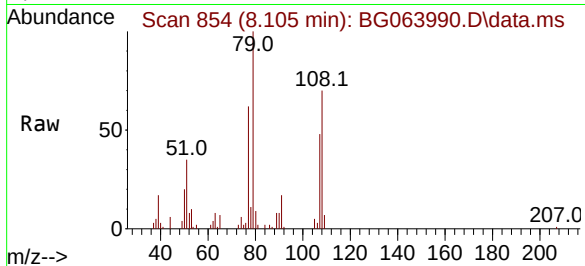




#15
Benzyl Alcohol
Concen: 8.044 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

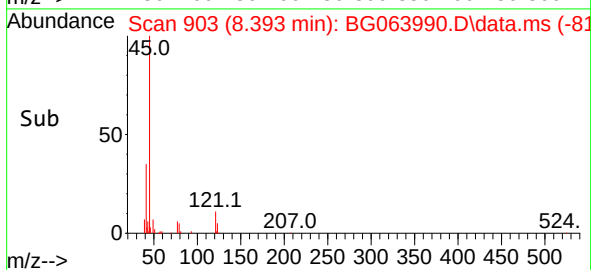
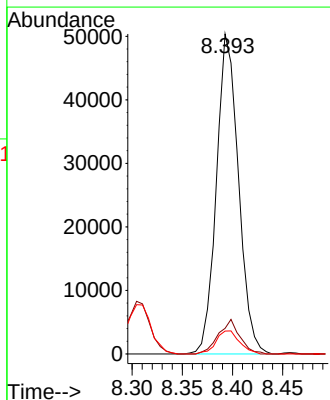
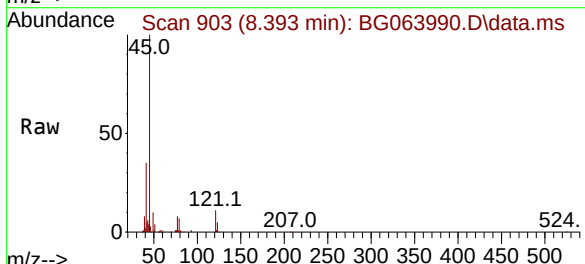
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

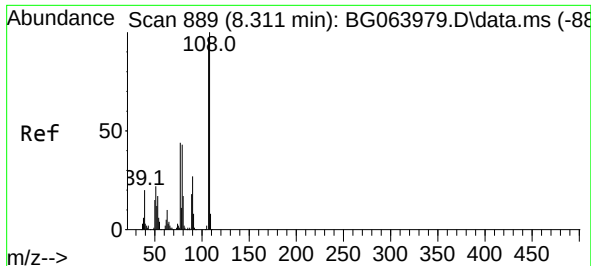
Tgt Ion: 79 Resp: 31446
Ion Ratio Lower Upper
79 100
108 69.6 60.3 90.5
77 61.8 55.8 83.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.617 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.018 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion: 45 Resp: 76921
Ion Ratio Lower Upper
45 100
77 8.0 0.0 29.8
79 7.2 0.0 27.7

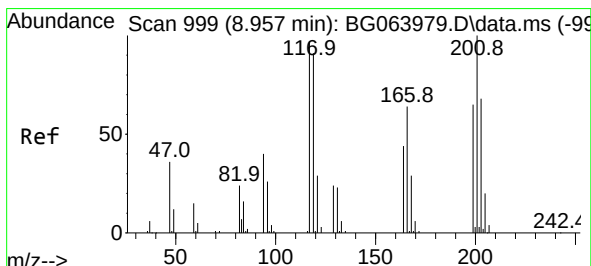
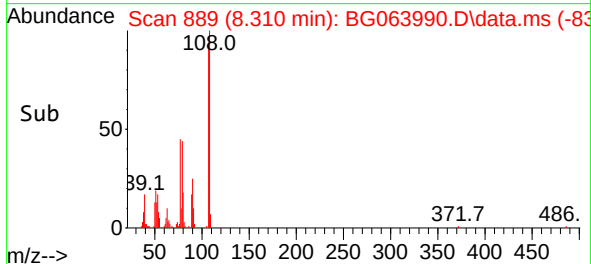
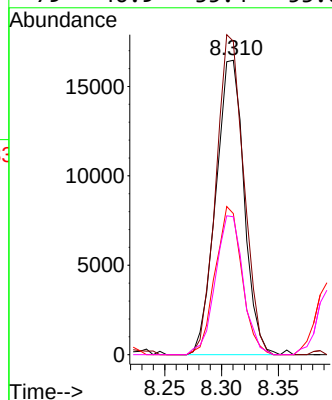
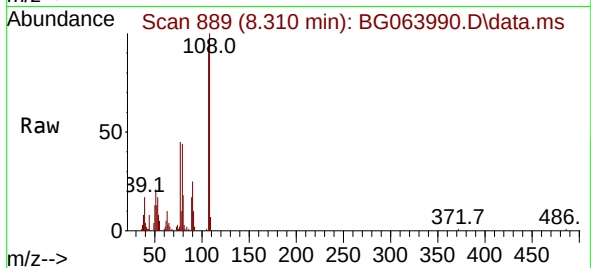




#17
2-Methylphenol
Concen: 7.994 ng
RT: 8.310 min Scan# 889
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

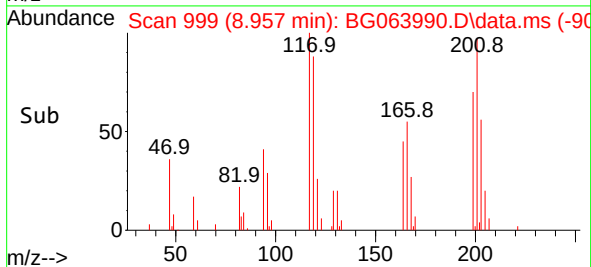
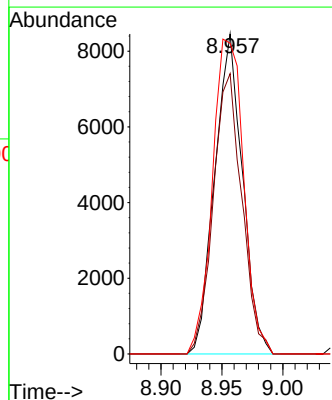
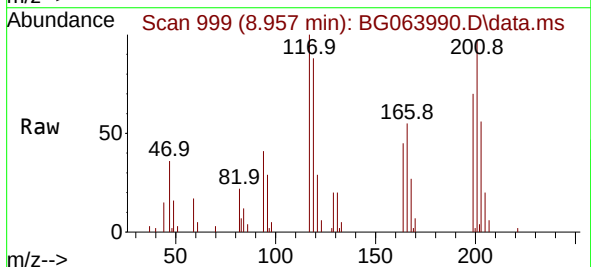
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

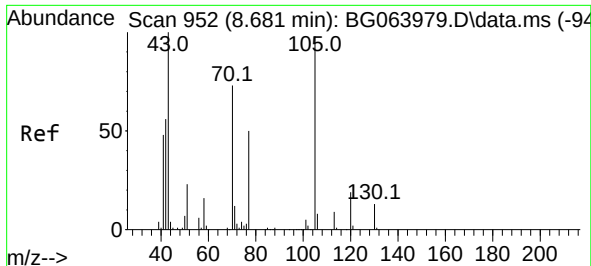
Tgt Ion:	107	Resp:	28462
Ion	Ratio	Lower	Upper
107	100		
108	106.5	82.9	124.3
77	47.9	36.4	54.6
79	46.9	35.4	53.0



#18
Hexachloroethane
Concen: 8.731 ng
RT: 8.957 min Scan# 999
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

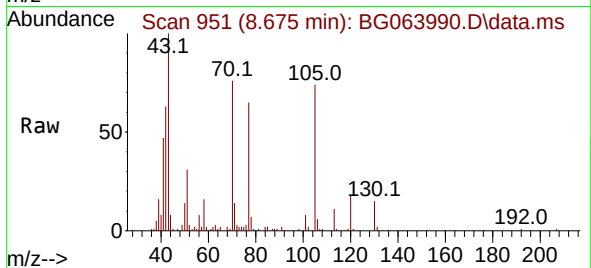
Tgt Ion:	117	Resp:	13410
Ion	Ratio	Lower	Upper
117	100		
119	87.6	75.4	113.0
201	97.1	82.4	123.6



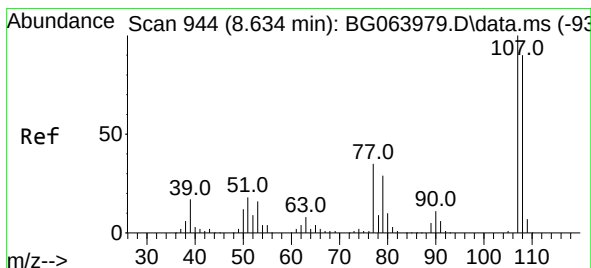
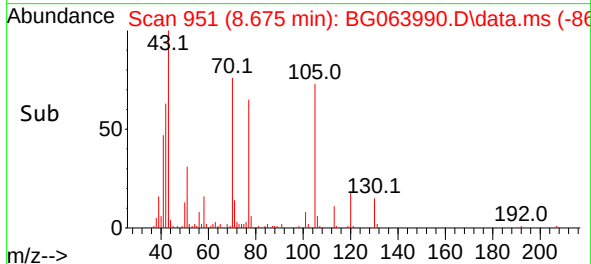
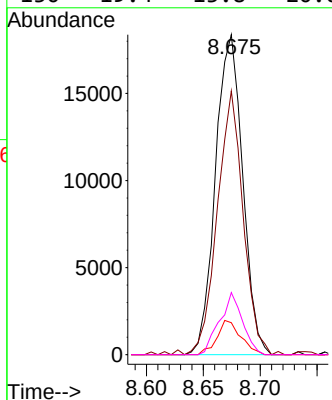


#19
n-Nitroso-di-n-propylamine
Concen: 8.432 ng
RT: 8.675 min Scan# 91
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

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

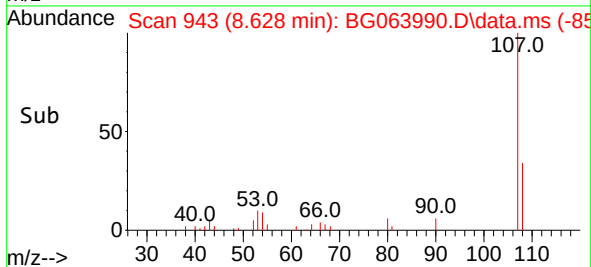
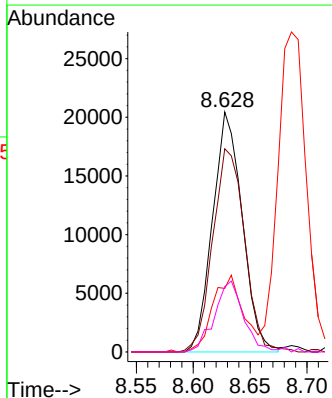
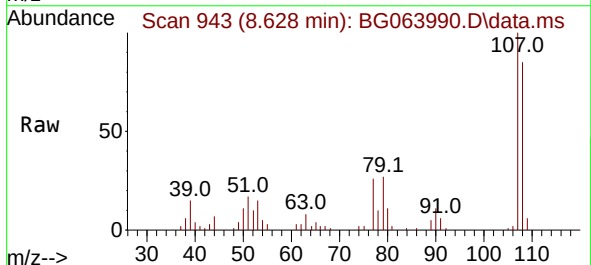


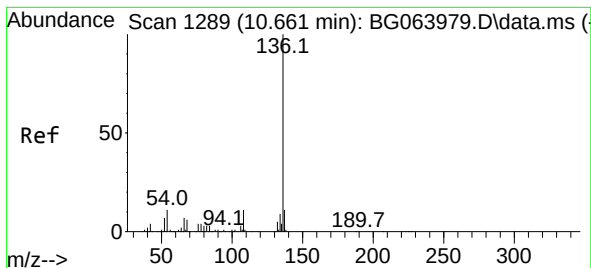
Tgt Ion: 70 Resp: 30540
Ion Ratio Lower Upper
70 100
42 82.4 62.2 93.4
101 10.0 5.6 8.4#
130 19.4 13.8 20.6



#20
3+4-Methylphenols
Concen: 7.822 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion: 107 Resp: 37102
Ion Ratio Lower Upper
107 100
108 84.6 70.0 110.0
77 26.4 15.2 55.2
79 27.2 9.1 49.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.661 min Scan# 1289

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:136 Resp: 261218

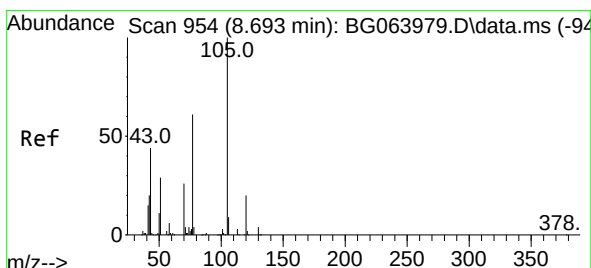
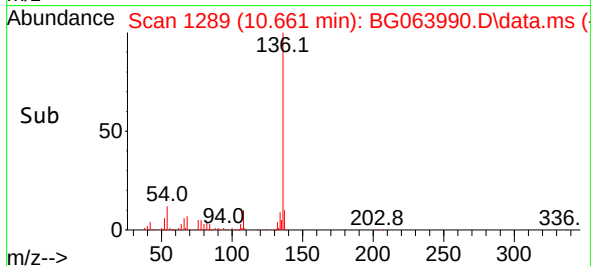
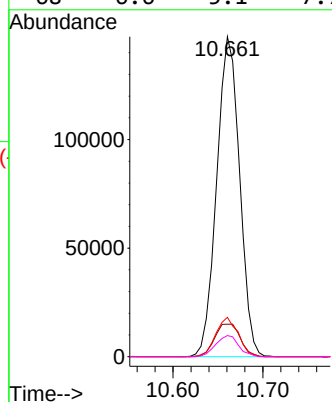
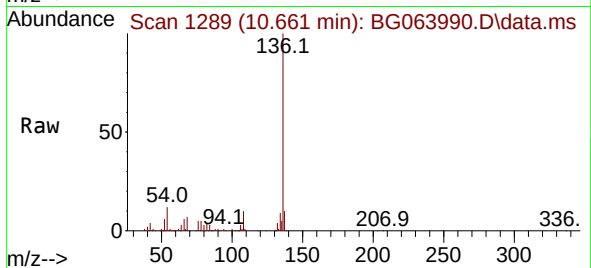
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 12.3 9.2 13.8

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 8.265 ng

RT: 8.686 min Scan# 953

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Tgt Ion:105 Resp: 59319

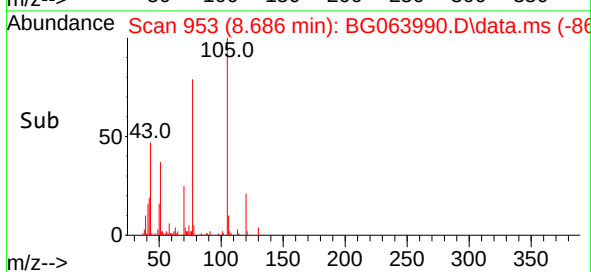
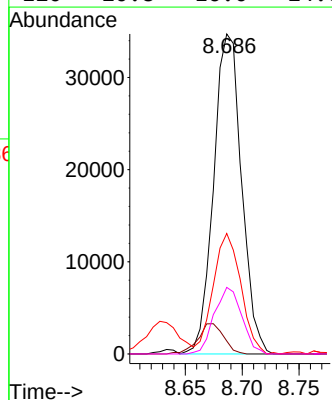
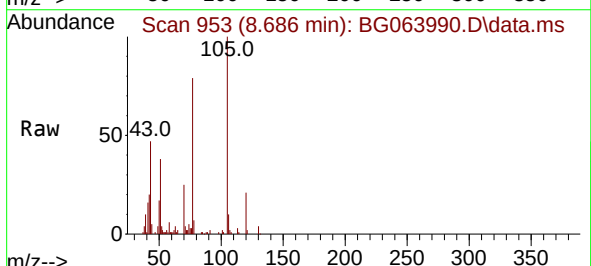
Ion Ratio Lower Upper

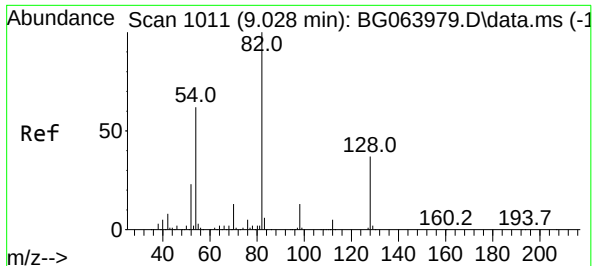
105 100

71 4.1 3.1 4.7

51 37.6 29.9 44.9

120 20.8 16.0 24.0





#23

Nitrobenzene-d5

Concen: 73.739 ng

RT: 9.021 min Scan# 1010

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

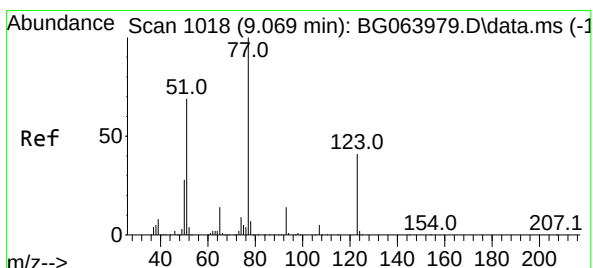
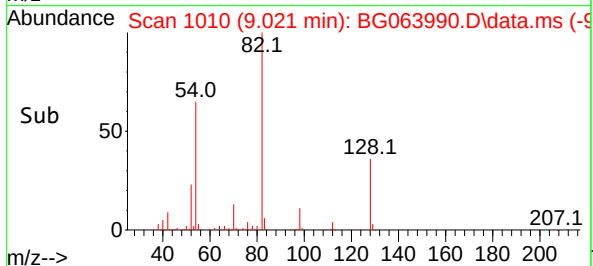
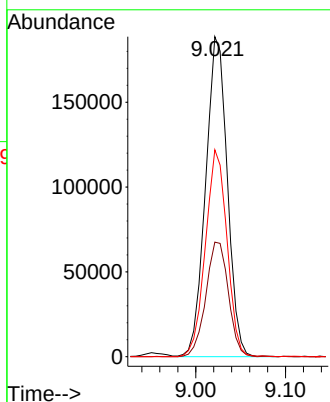
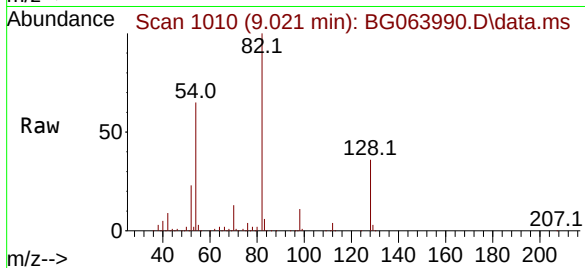
Tgt Ion: 82 Resp: 316937

Ion Ratio Lower Upper

82 100

128 35.8 29.4 44.2

54 64.6 49.9 74.9



#24

Nitrobenzene

Concen: 11.351 ng

RT: 9.068 min Scan# 1018

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

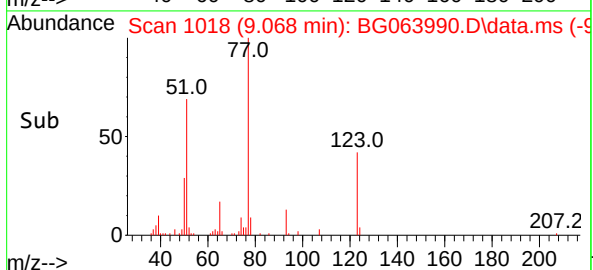
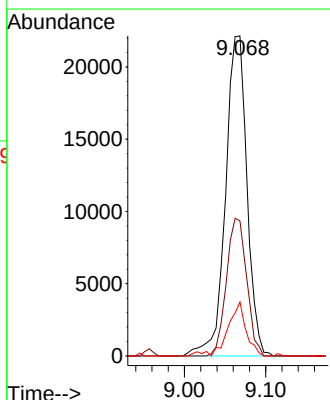
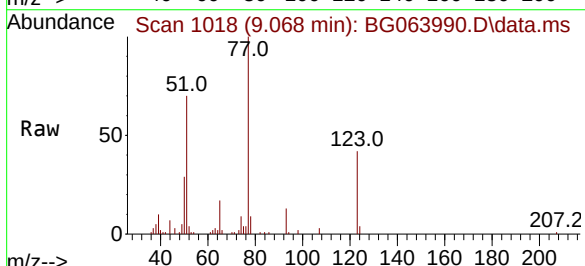
Tgt Ion: 77 Resp: 40629

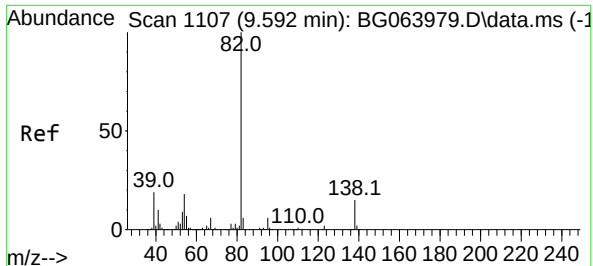
Ion Ratio Lower Upper

77 100

123 42.2 32.9 49.3

65 16.8 11.0 16.6#

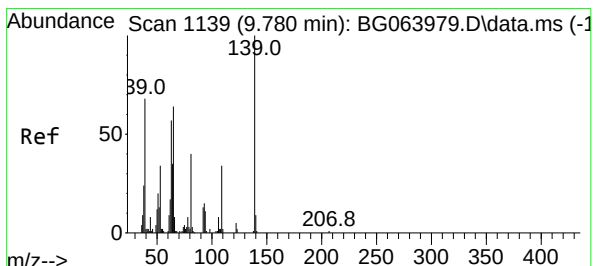
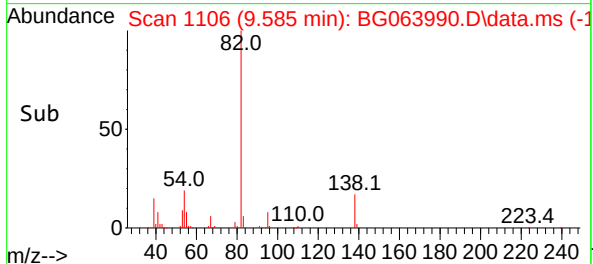
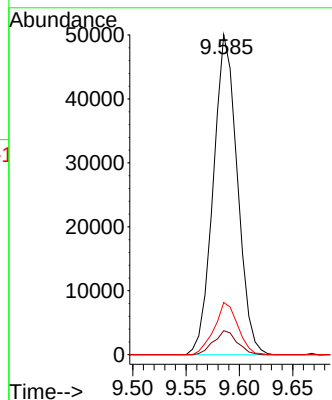
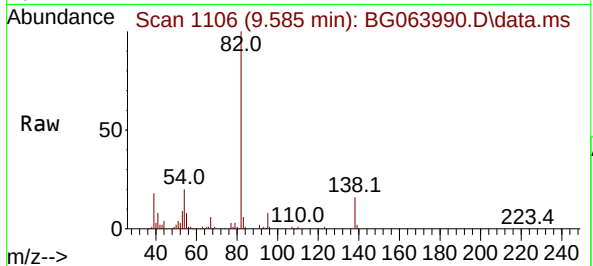




#25
Isophorone
Concen: 8.429 ng
RT: 9.585 min Scan# 1106
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

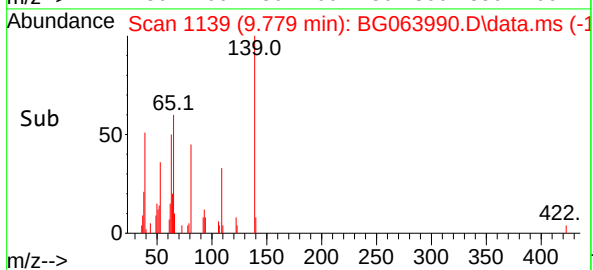
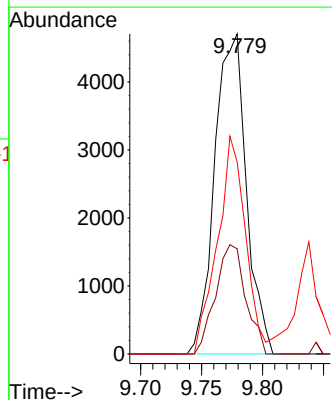
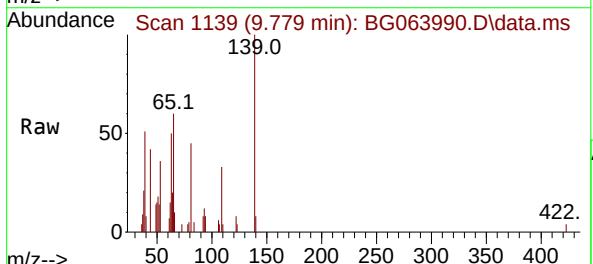
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

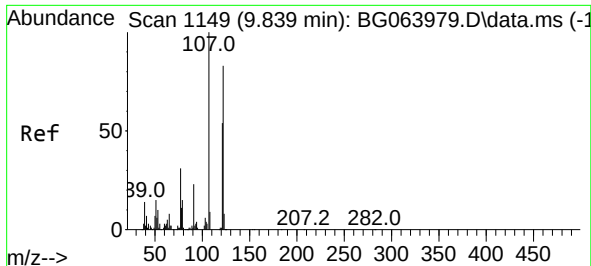
Tgt Ion: 82 Resp: 78537
Ion Ratio Lower Upper
82 100
95 7.5 5.0 7.4#
138 16.3 12.2 18.4



#26
2-Nitrophenol
Concen: 14.134 ng
RT: 9.779 min Scan# 1139
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:139 Resp: 8492
Ion Ratio Lower Upper
139 100
109 32.8 27.1 40.7
65 59.9 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 6.458 ng

RT: 9.838 min Scan# 1149

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

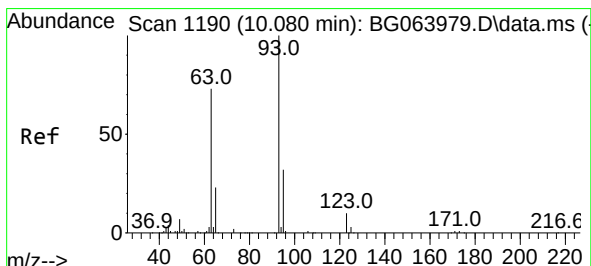
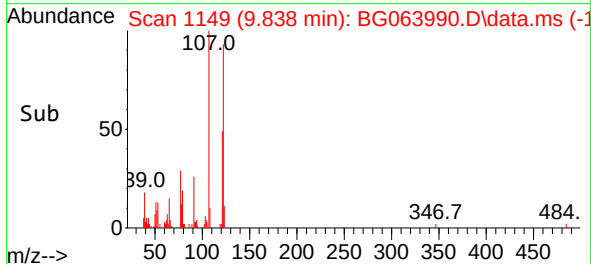
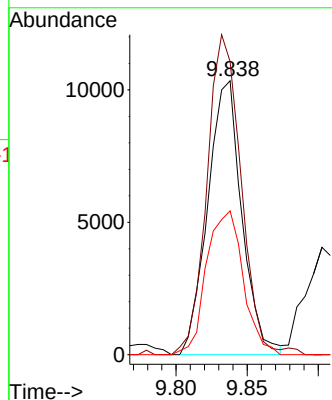
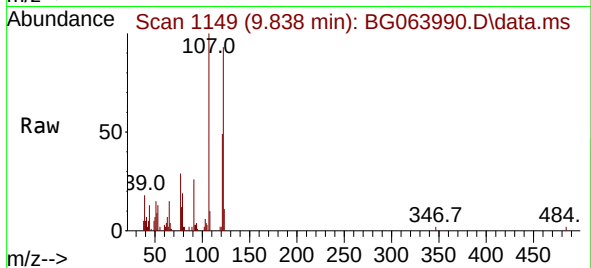
Tgt Ion:122 Resp: 17308

Ion Ratio Lower Upper

122 100

107 107.0 96.4 144.6

121 52.5 51.8 77.6



#28

bis(2-Chloroethoxy)methane

Concen: 7.845 ng

RT: 10.073 min Scan# 1189

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

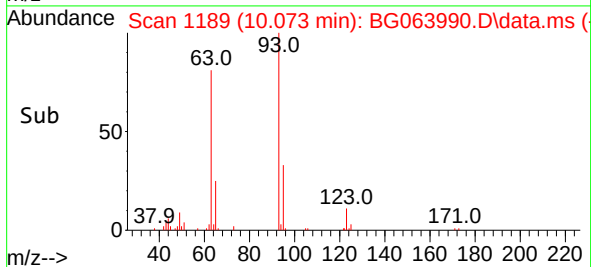
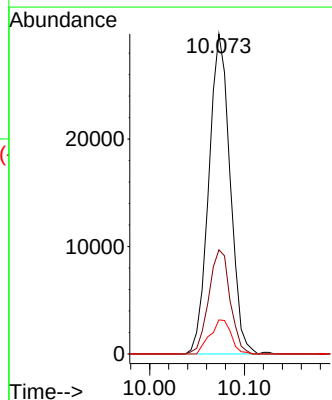
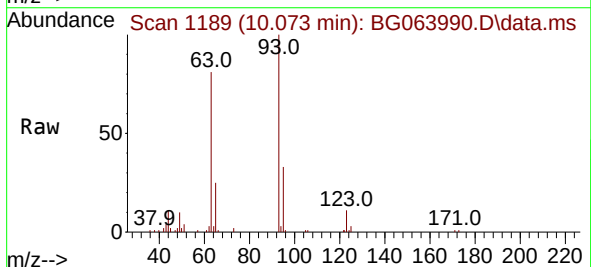
Tgt Ion: 93 Resp: 46509

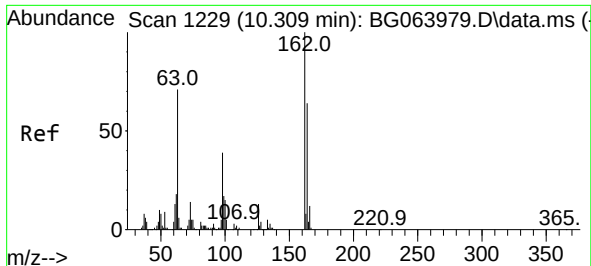
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.2

123 10.7 7.8 11.6

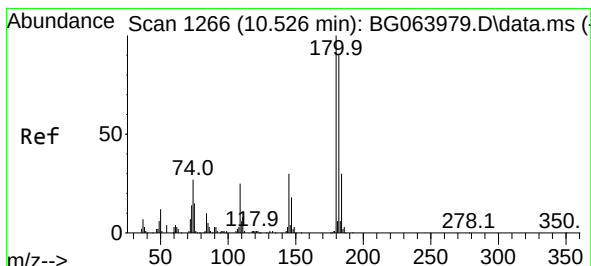
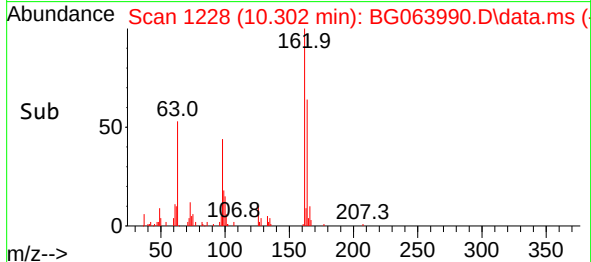
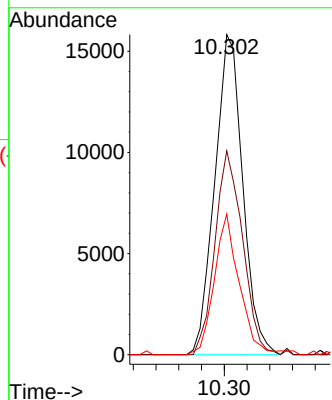
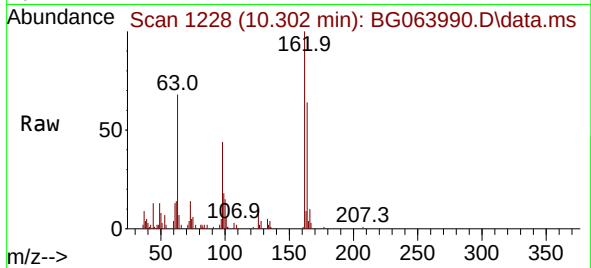




#29
2,4-Dichlorophenol
Concen: 10.512 ng
RT: 10.302 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

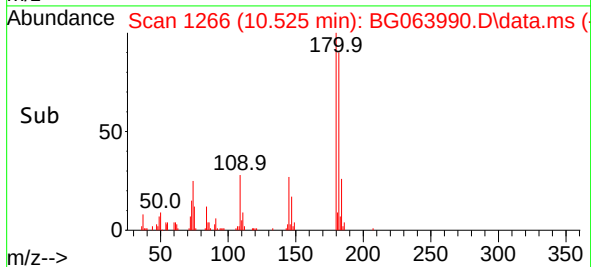
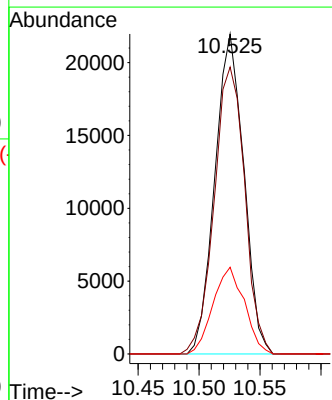
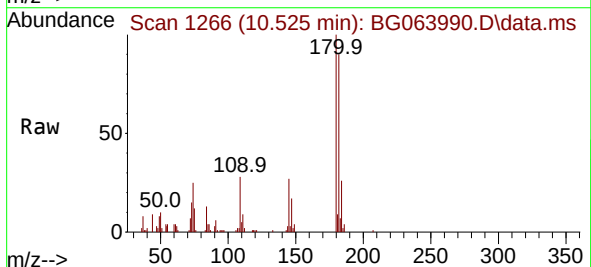
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

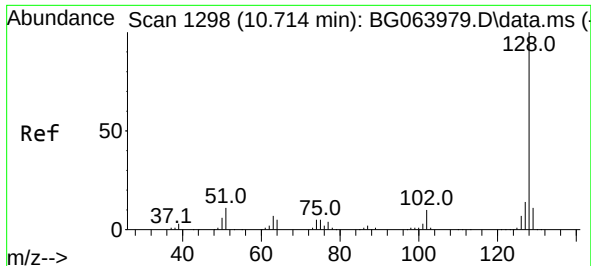
Tgt Ion:162 Resp: 27060
Ion Ratio Lower Upper
162 100
164 63.7 43.6 83.6
98 44.0 18.6 58.6



#30
1,2,4-Trichlorobenzene
Concen: 8.234 ng
RT: 10.525 min Scan# 1266
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

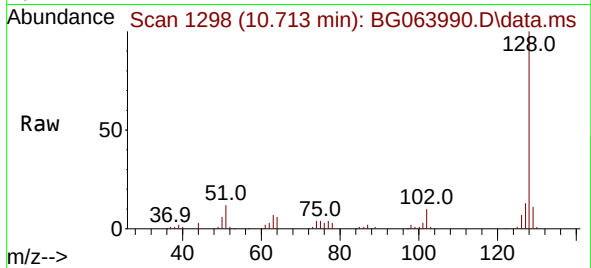
Tgt Ion:180 Resp: 36258
Ion Ratio Lower Upper
180 100
182 89.7 72.3 108.5
145 27.1 23.8 35.8



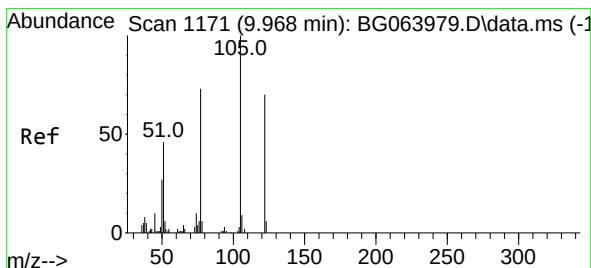
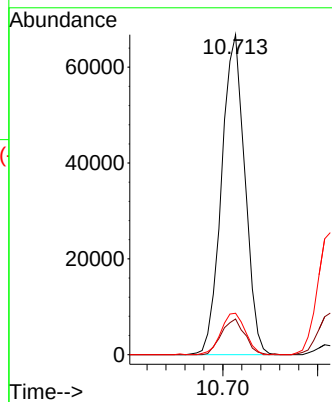
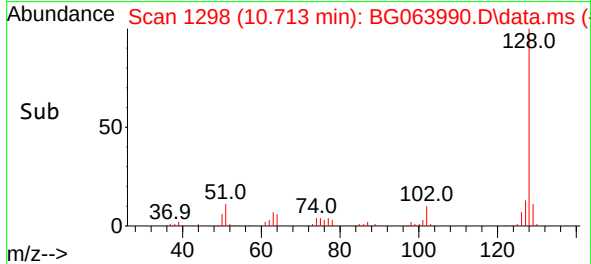


#31
Naphthalene
Concen: 8.122 ng
RT: 10.713 min Scan# 1162
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

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

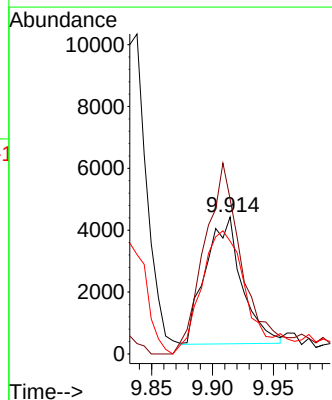
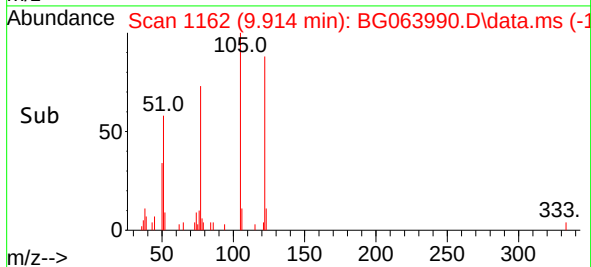
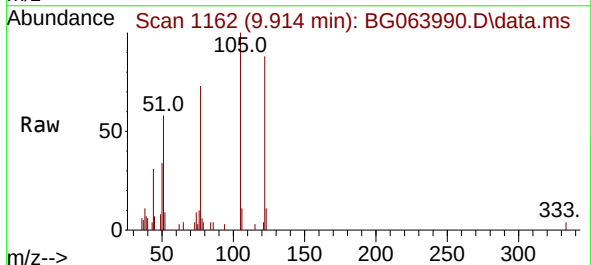


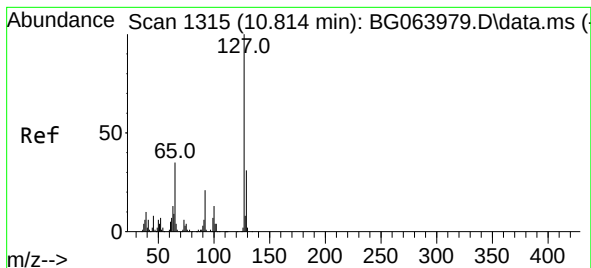
Tgt Ion:128 Resp: 113751
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 12.080 ng
RT: 9.914 min Scan# 1162
Delta R.T. -0.054 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:122 Resp: 8490
Ion Ratio Lower Upper
122 100
105 113.1 117.9 157.9#
77 82.3 83.9 123.9#





#33

4-Chloroaniline

Concen: 8.068 ng

RT: 10.813 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG063990.D

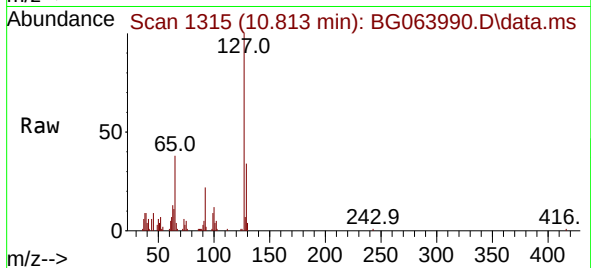
Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

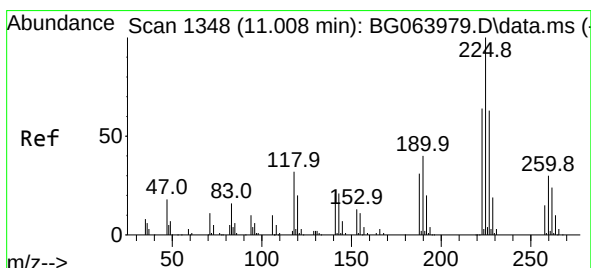
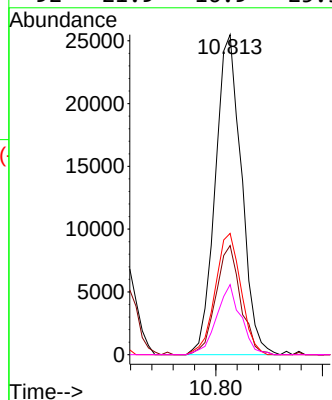
ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:127 Resp: 43290

Ion	Ratio	Lower	Upper
127	100		
129	34.1	24.9	37.3
65	37.9	28.2	42.4
92	21.9	16.9	25.3



#34

Hexachlorobutadiene

Concen: 8.454 ng

RT: 11.007 min Scan# 1348

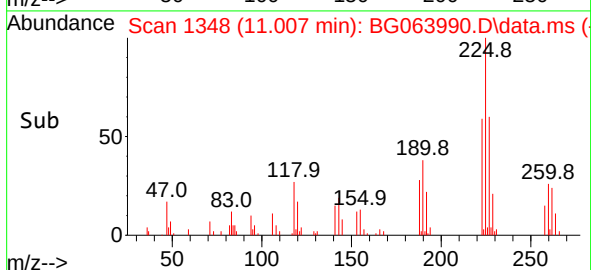
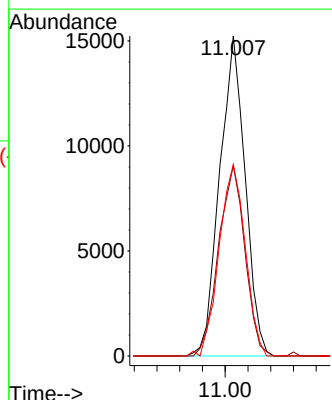
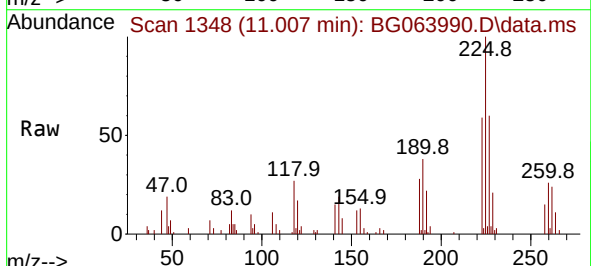
Delta R.T. -0.001 min

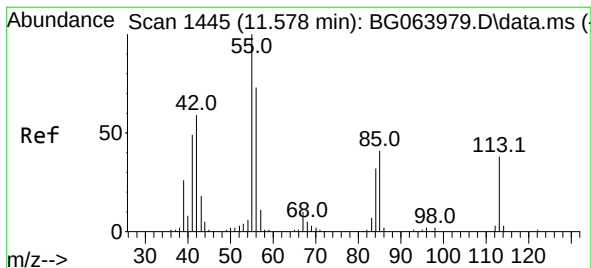
Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Tgt Ion:225 Resp: 23705

Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.0	76.6
227	59.8	50.3	75.5





#35

Caprolactam

Concen: 11.639 ng

RT: 11.554 min Scan# 14

Delta R.T. -0.024 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

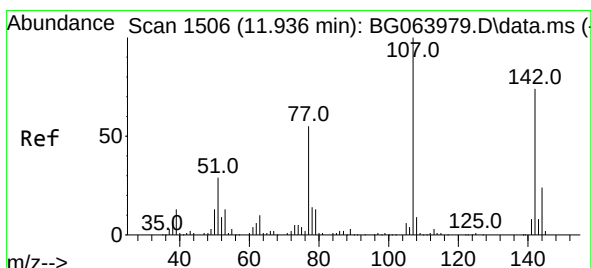
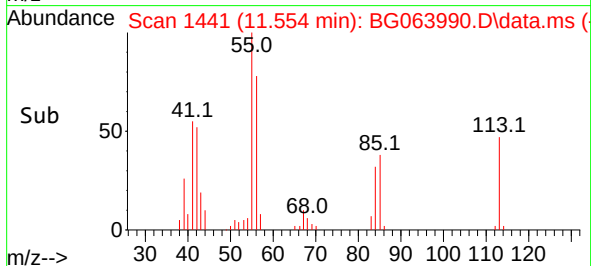
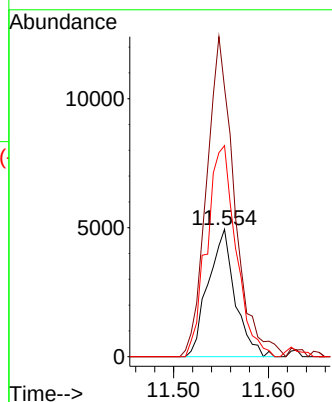
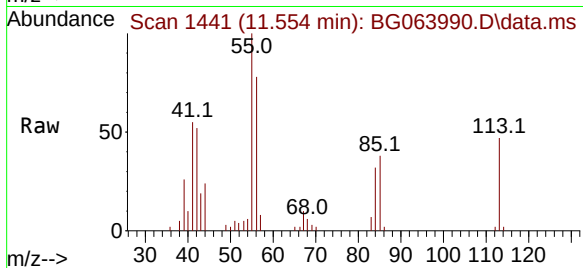
Tgt Ion:113 Resp: 9743

Ion Ratio Lower Upper

113 100

55 211.3 241.8 281.8#

56 165.8 171.5 211.5#



#36

4-Chloro-3-methylphenol

Concen: 8.245 ng

RT: 11.930 min Scan# 1505

Delta R.T. -0.006 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

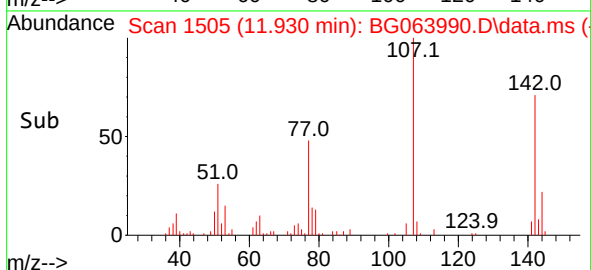
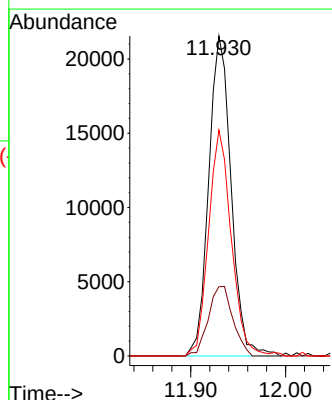
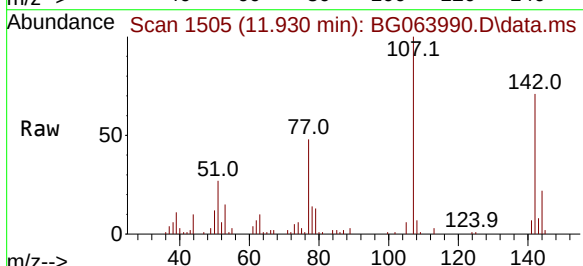
Tgt Ion:107 Resp: 35371

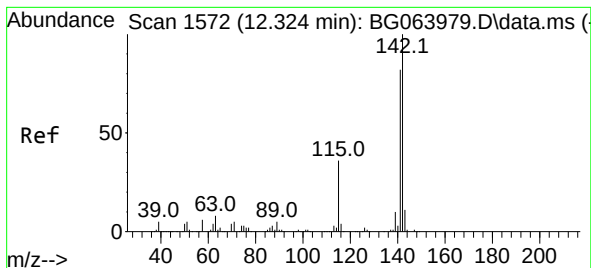
Ion Ratio Lower Upper

107 100

144 21.7 19.2 28.8

142 70.6 58.9 88.3





#37

2-Methylnaphthalene

Concen: 8.031 ng

RT: 12.317 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

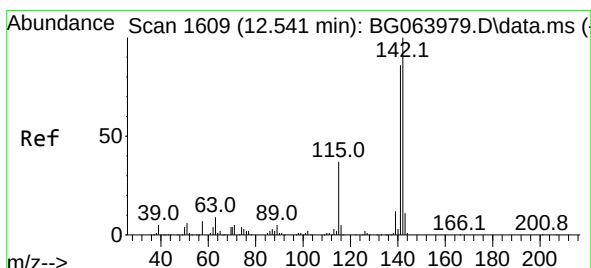
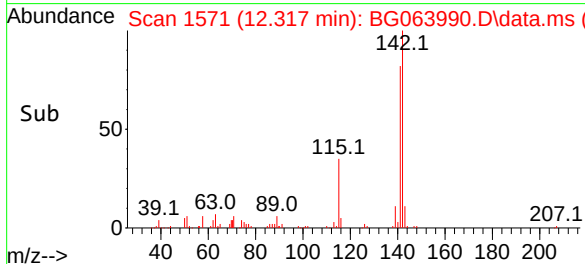
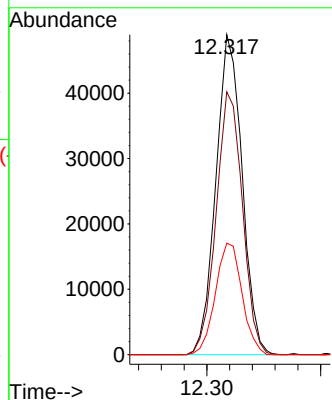
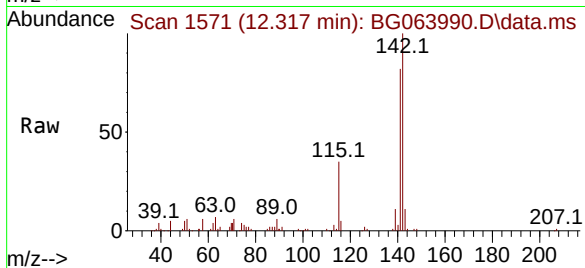
Tgt Ion:142 Resp: 78375

Ion Ratio Lower Upper

142 100

141 82.2 65.8 98.8

115 34.9 28.9 43.3



#38

1-Methylnaphthalene

Concen: 7.755 ng

RT: 12.541 min Scan# 1609

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

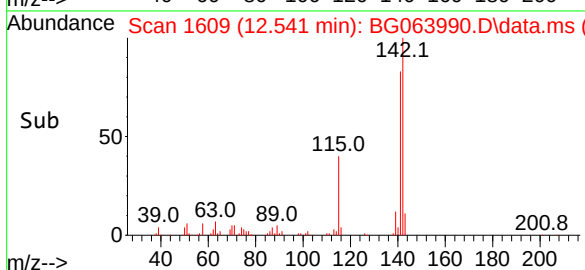
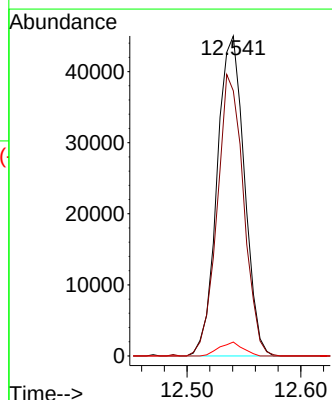
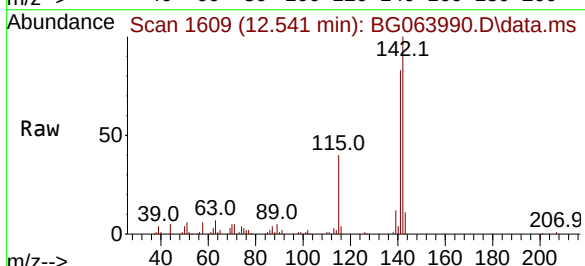
Tgt Ion:142 Resp: 74891

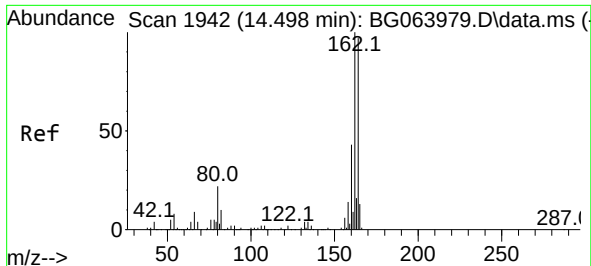
Ion Ratio Lower Upper

142 100

141 82.8 69.2 103.8

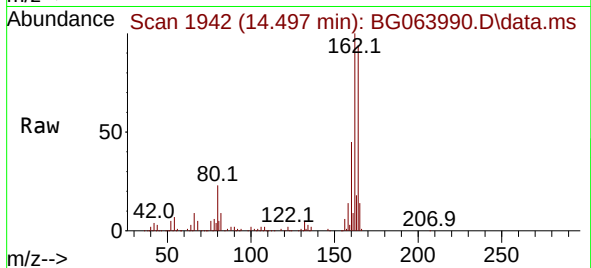
116 4.3 3.6 5.4



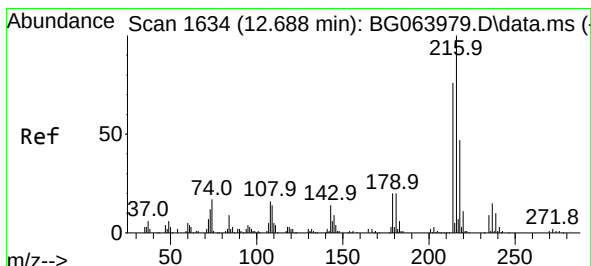
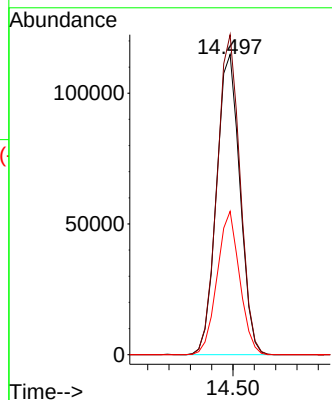
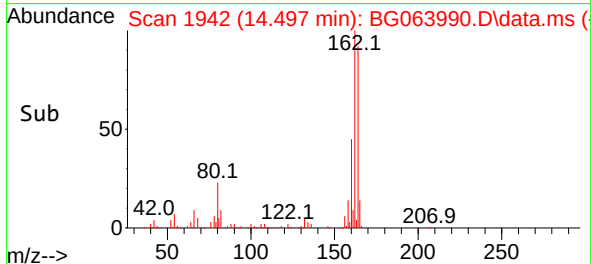


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.497 min Scan# 1942
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

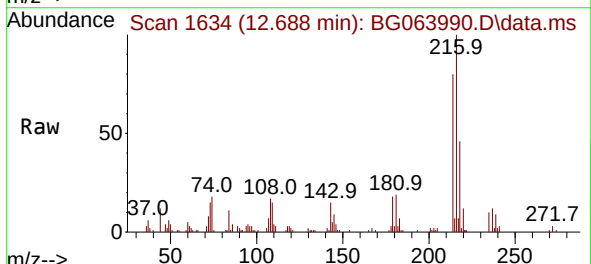
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024



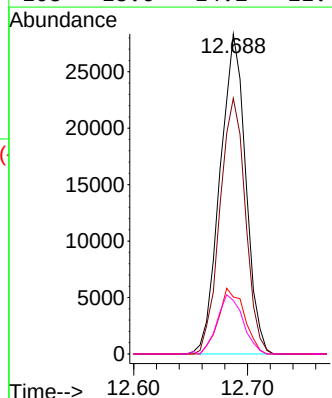
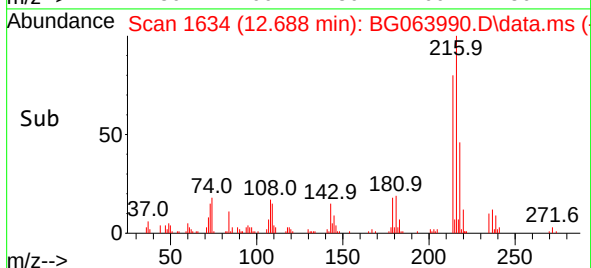
Tgt Ion:164 Resp: 174773
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 47.7 35.4 53.0

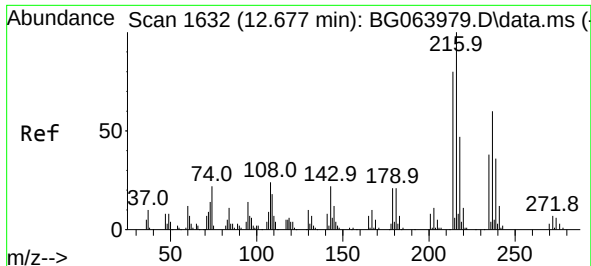


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.637 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55



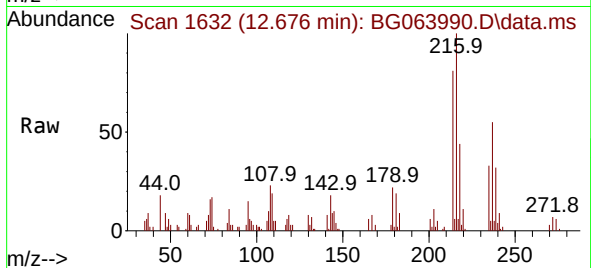
Tgt Ion:216 Resp: 44514
Ion Ratio Lower Upper
216 100
214 79.4 62.9 94.3
179 20.7 16.6 25.0
108 18.6 14.2 21.4



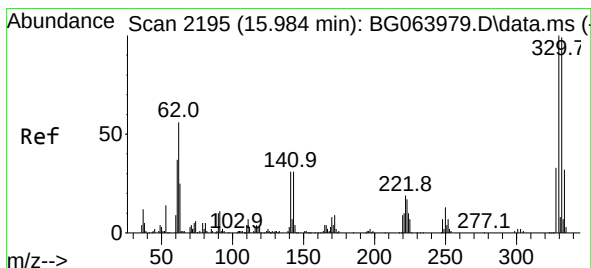
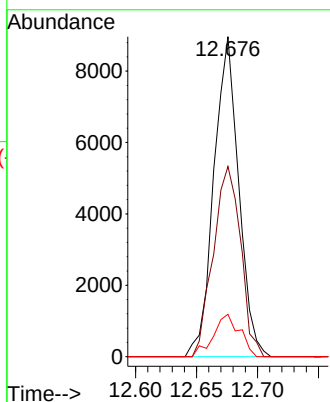
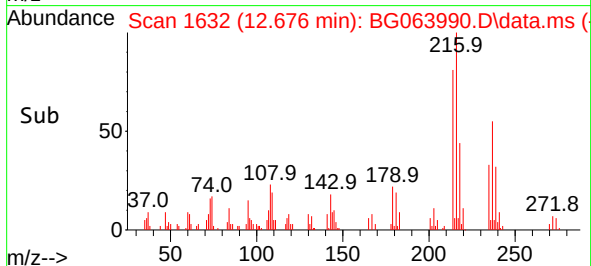


#41
Hexachlorocyclopentadiene
Concen: 9.753 ng
RT: 12.676 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

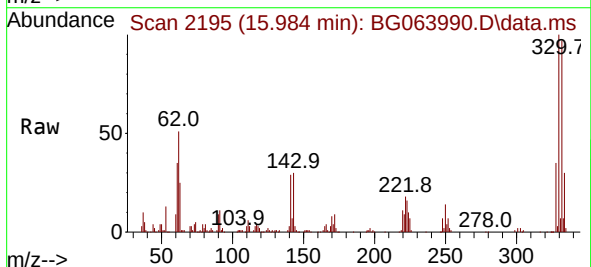
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024



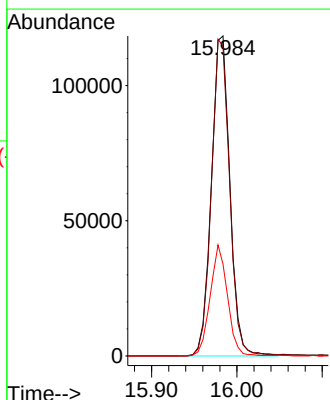
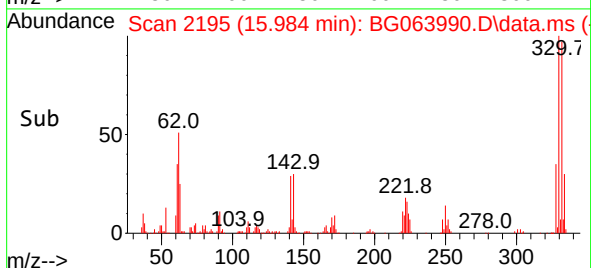
Tgt Ion:	237	Resp:	12722
Ion	Ratio	Lower	Upper
237	100		
235	59.5	43.8	83.8
272	13.3	0.0	32.3

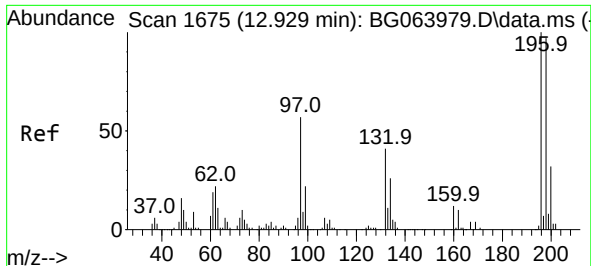


#42
2,4,6-Tribromophenol
Concen: 93.084 ng
RT: 15.984 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55



Tgt Ion:	330	Resp:	178012
Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.0	118.6
141	32.4	27.2	40.8

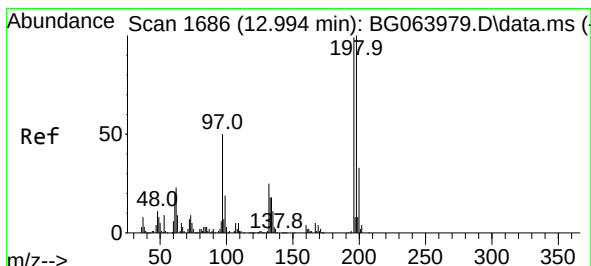
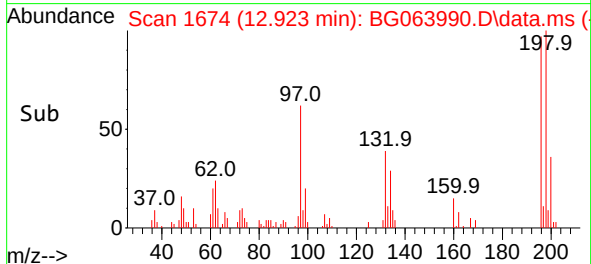
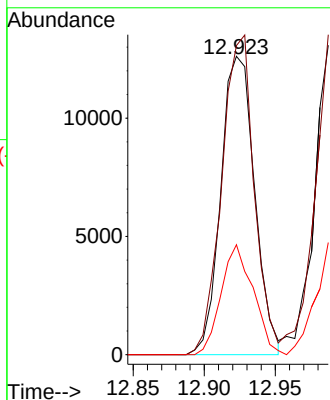
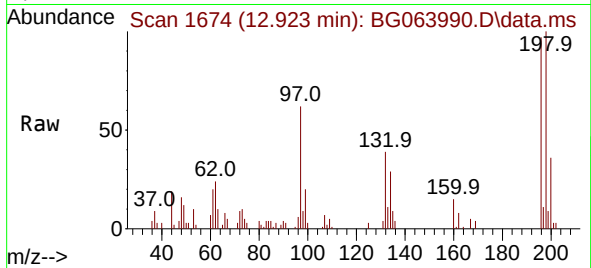




#43
2,4,6-Trichlorophenol
Concen: 11.095 ng
RT: 12.923 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

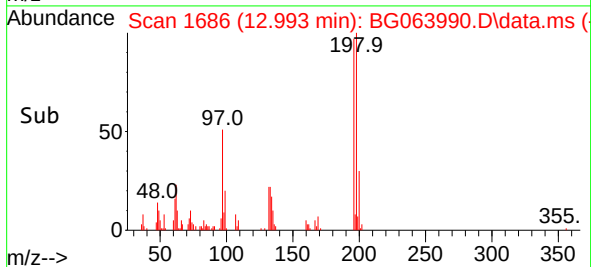
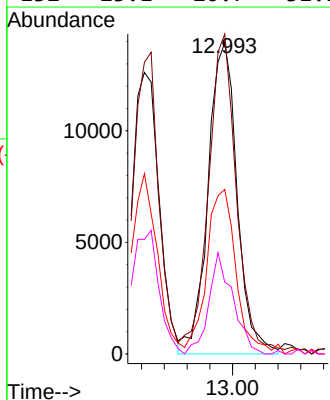
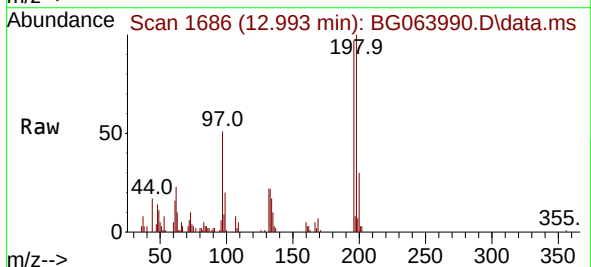
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

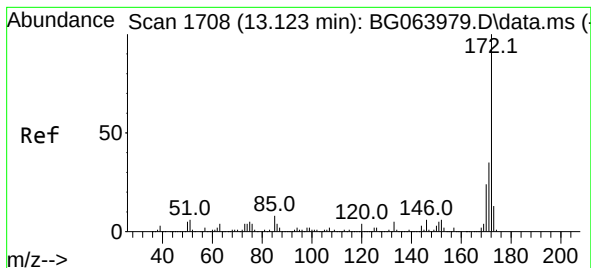
Tgt Ion:196 Resp: 20909
Ion Ratio Lower Upper
196 100
198 103.6 77.9 116.9
200 36.8 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 10.609 ng
RT: 12.993 min Scan# 1686
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:196 Resp: 24762
Ion Ratio Lower Upper
196 100
198 102.8 81.1 121.7
97 52.8 41.2 61.8
132 23.1 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 69.212 ng

RT: 13.122 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

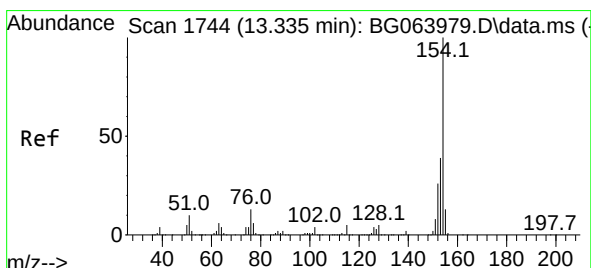
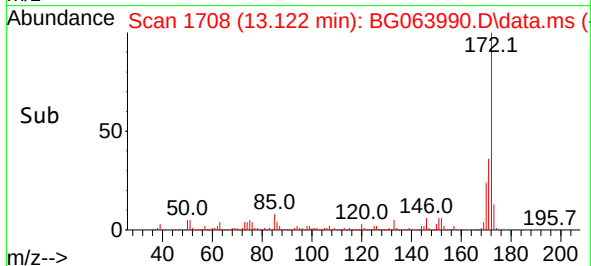
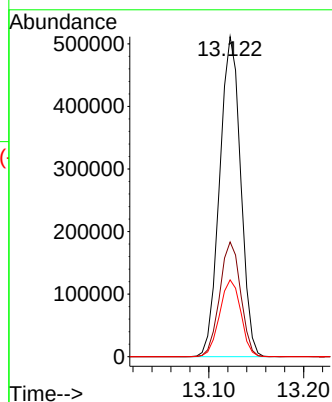
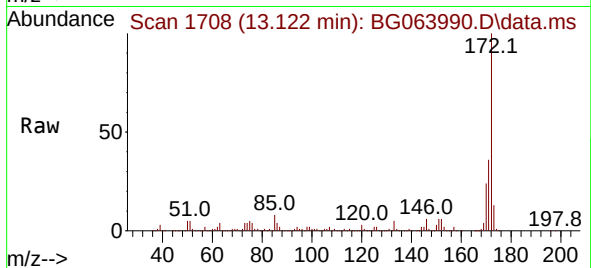
Tgt Ion:172 Resp: 789513

Ion Ratio Lower Upper

172 100

171 35.9 27.8 41.6

170 24.0 19.4 29.2



#46

1,1'-Biphenyl

Concen: 8.575 ng

RT: 13.328 min Scan# 1743

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

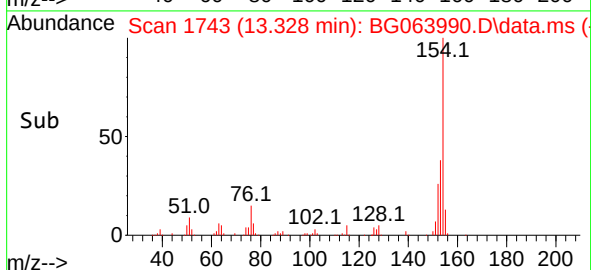
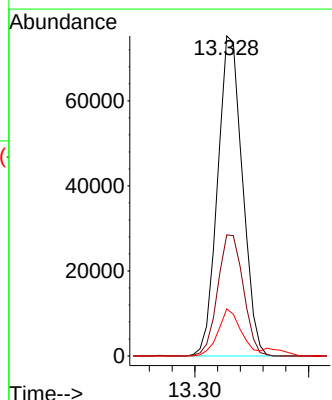
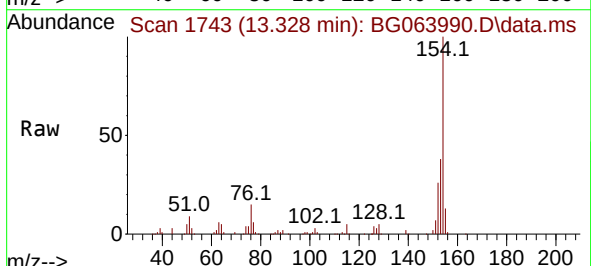
Tgt Ion:154 Resp: 114109

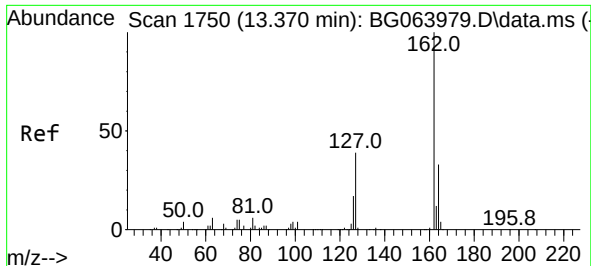
Ion Ratio Lower Upper

154 100

153 37.8 19.3 59.3

76 14.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 8.259 ng

RT: 13.369 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

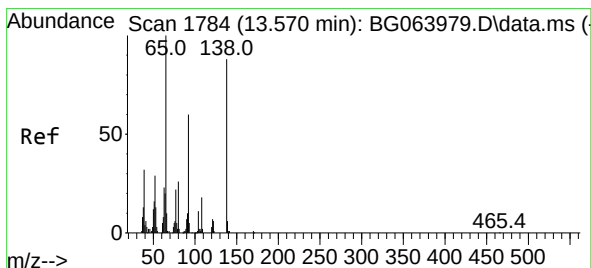
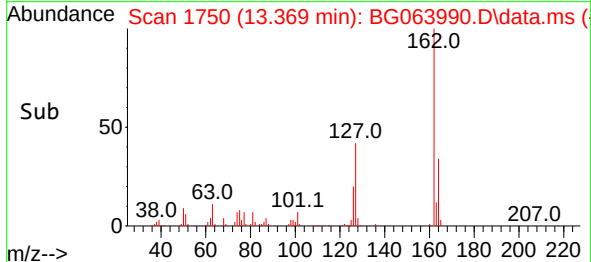
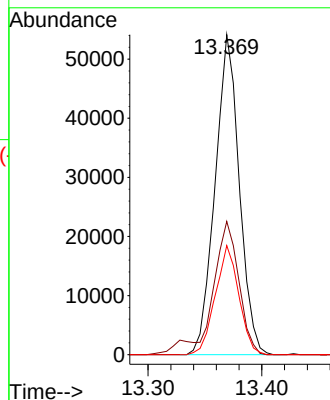
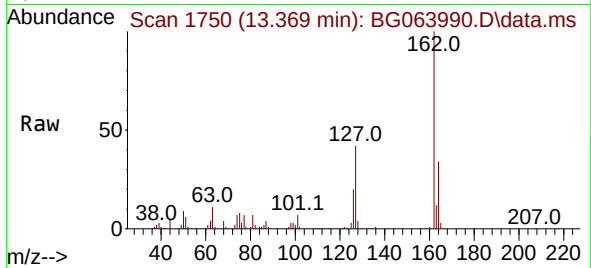
Tgt Ion:162 Resp: 80106

Ion Ratio Lower Upper

162 100

127 41.7 33.4 50.2

164 34.1 26.0 39.0



#48

2-Nitroaniline

Concen: 11.561 ng

RT: 13.563 min Scan# 1783

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

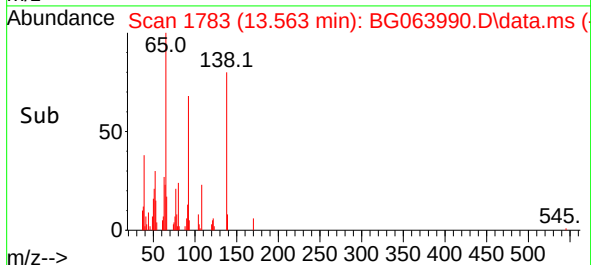
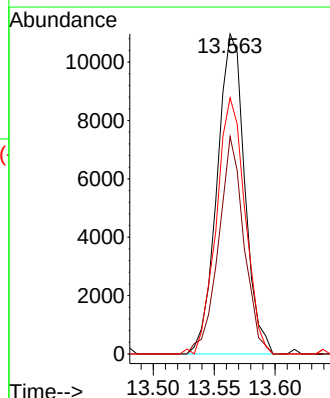
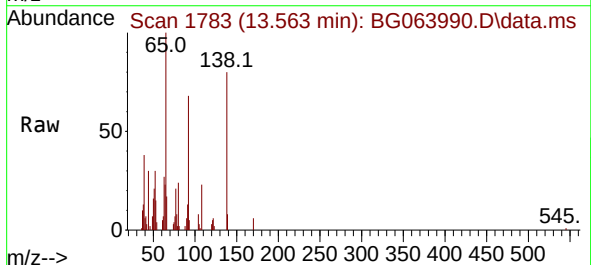
Tgt Ion: 65 Resp: 17304

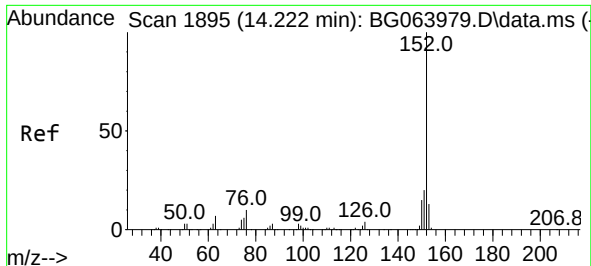
Ion Ratio Lower Upper

65 100

92 67.9 47.6 71.4

138 80.0 70.6 106.0

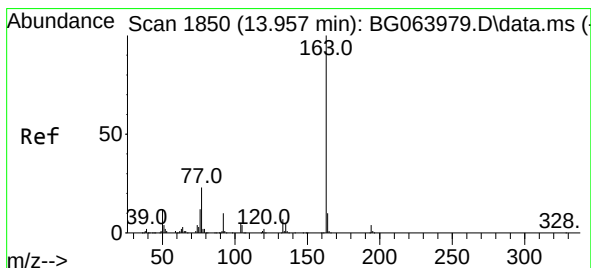
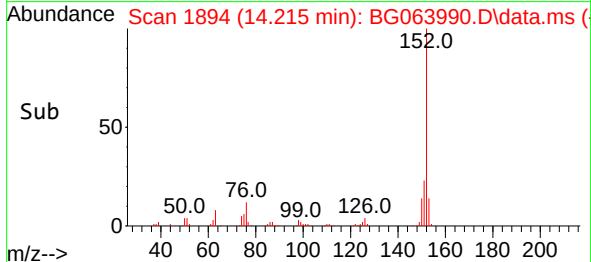
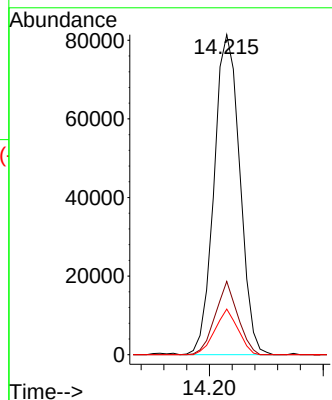
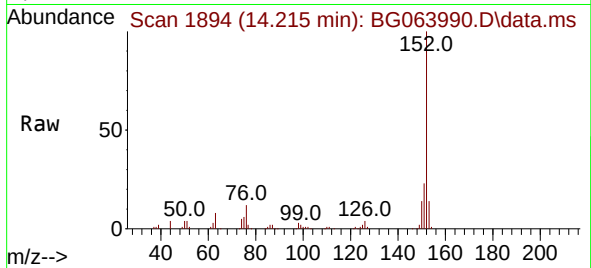




#49
Acenaphthylene
Concen: 8.493 ng
RT: 14.215 min Scan# 1894
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

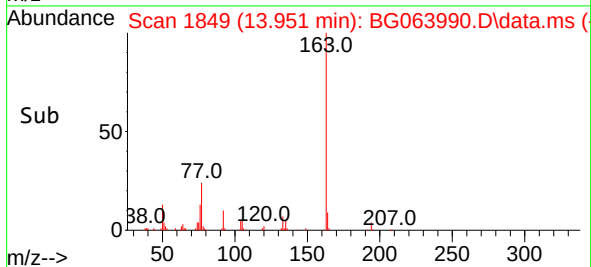
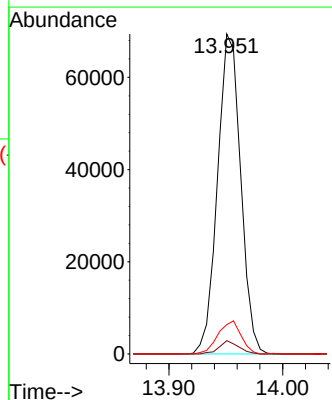
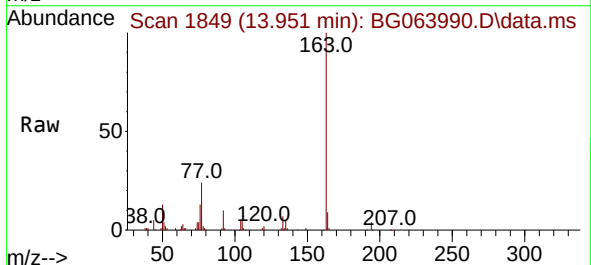
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

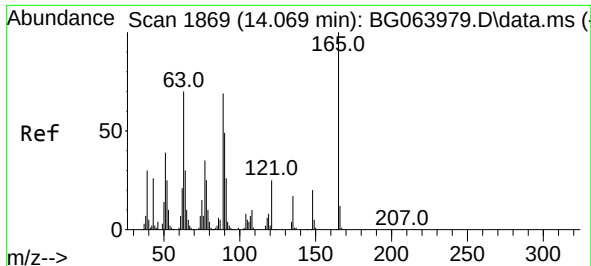
Tgt Ion:152 Resp: 127953
Ion Ratio Lower Upper
152 100
151 22.9 15.9 23.9
153 14.2 10.3 15.5



#50
Dimethylphthalate
Concen: 8.475 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:163 Resp: 98214
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.2 8.0 12.0

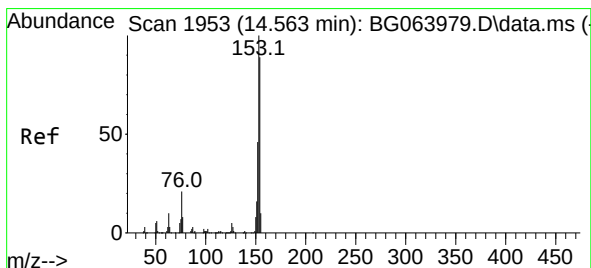
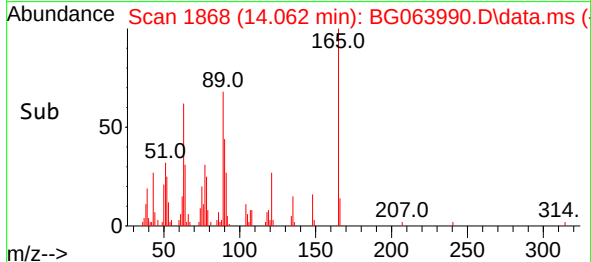
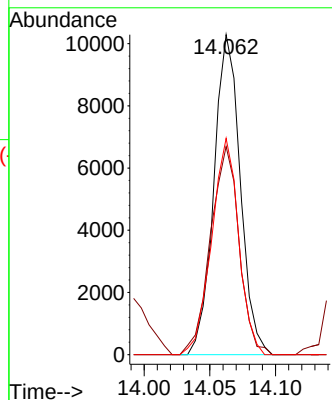
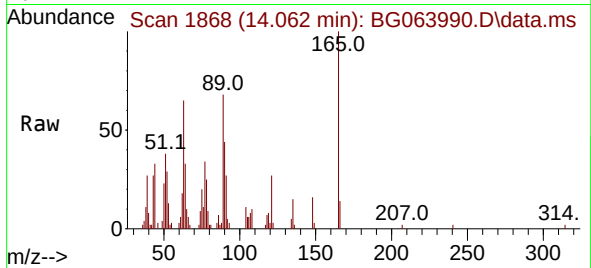




#51
2,6-Dinitrotoluene
Concen: 11.175 ng
RT: 14.062 min Scan# 1868
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

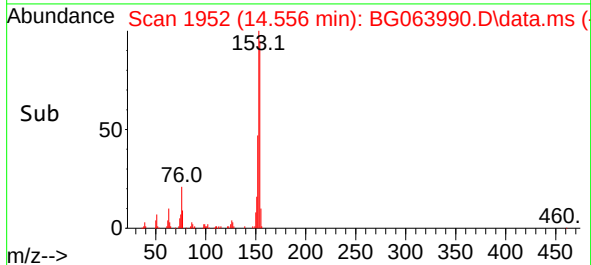
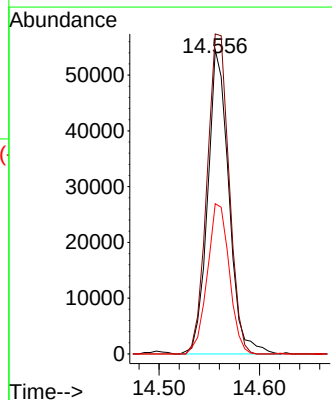
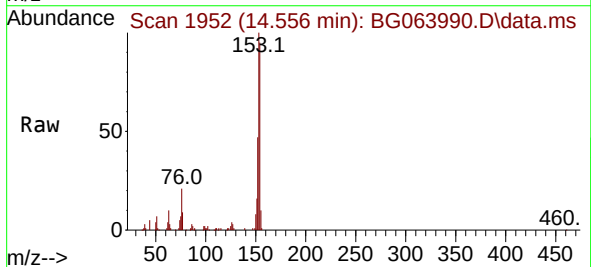
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

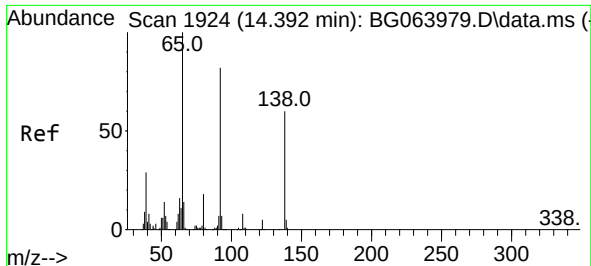
Tgt Ion:165 Resp: 14361
Ion Ratio Lower Upper
165 100
63 65.0 57.7 86.5
89 67.6 55.6 83.4



#52
Acenaphthene
Concen: 7.945 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:154 Resp: 80289
Ion Ratio Lower Upper
154 100
153 105.2 90.2 135.2
152 49.4 41.1 61.7

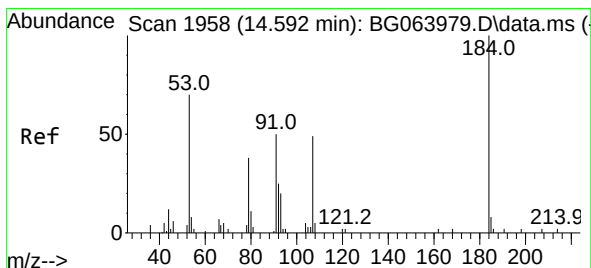
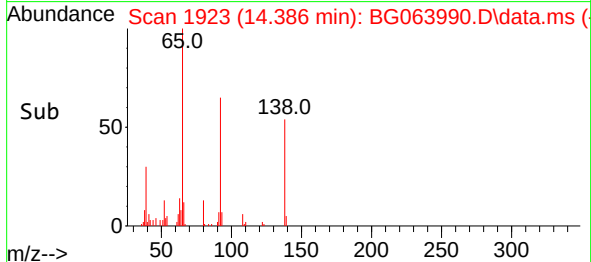
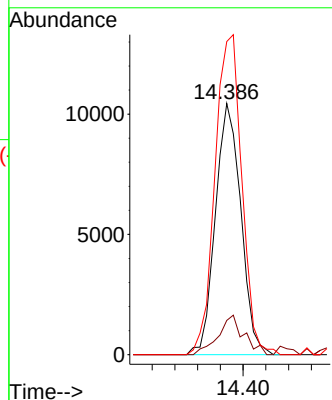
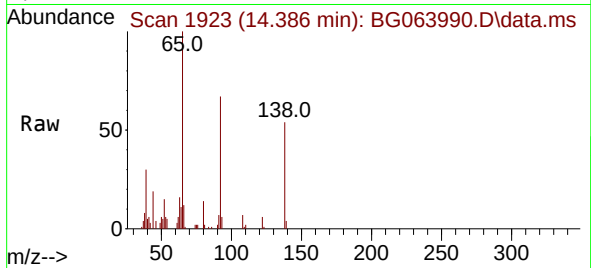




#53
3-Nitroaniline
Concen: 10.959 ng
RT: 14.386 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

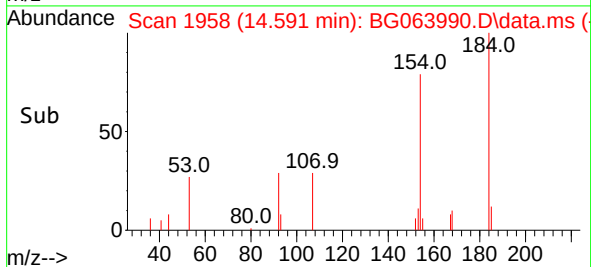
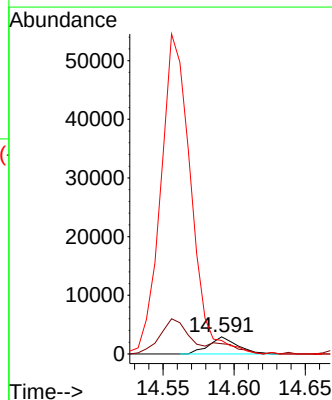
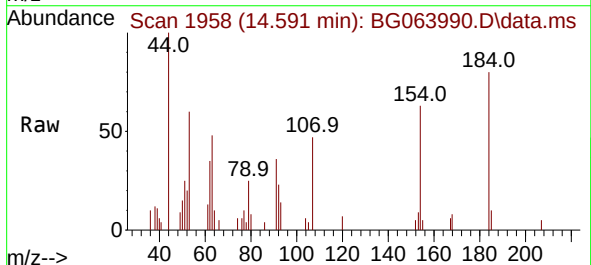
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

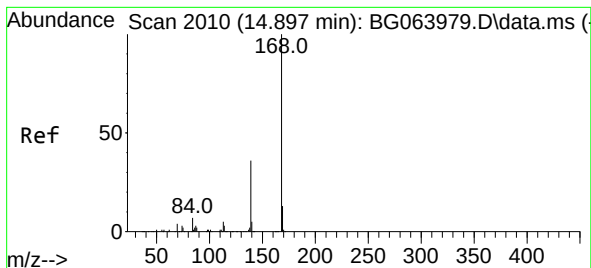
Tgt Ion:138 Resp: 16256
Ion Ratio Lower Upper
138 100
108 13.6 10.3 15.5
92 124.6 109.0 163.4



#54
2,4-Dinitrophenol
Concen: 13.742 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:184 Resp: 4022
Ion Ratio Lower Upper
184 100
63 59.7 67.3 100.9#
154 78.5 65.9 98.9





#55

Dibenzofuran

Concen: 8.078 ng

RT: 14.897 min Scan# 2010

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

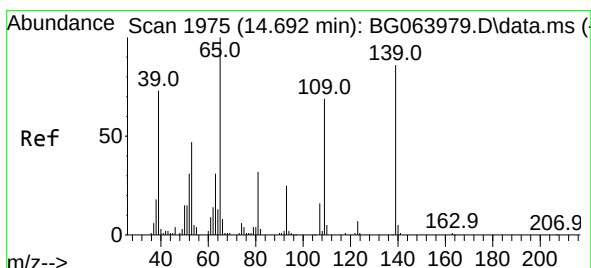
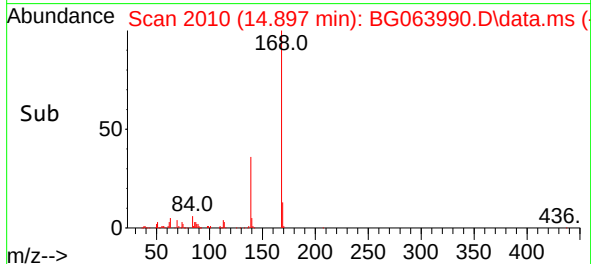
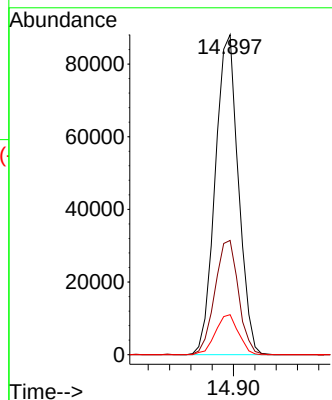
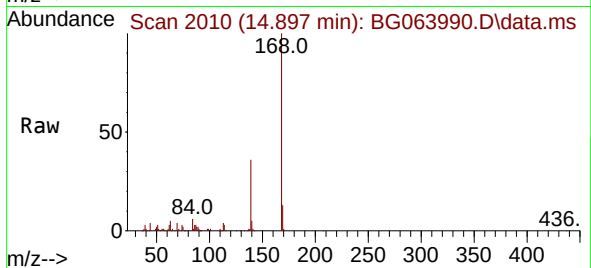
Tgt Ion:168 Resp: 132552

Ion Ratio Lower Upper

168 100

139 35.7 28.6 43.0

169 12.5 10.6 16.0



#56

4-Nitrophenol

Concen: 14.610 ng

RT: 14.685 min Scan# 1974

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

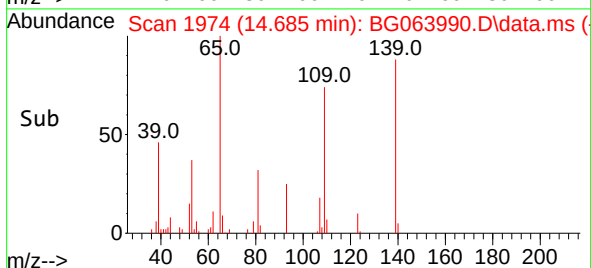
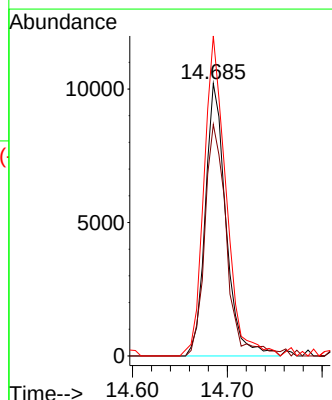
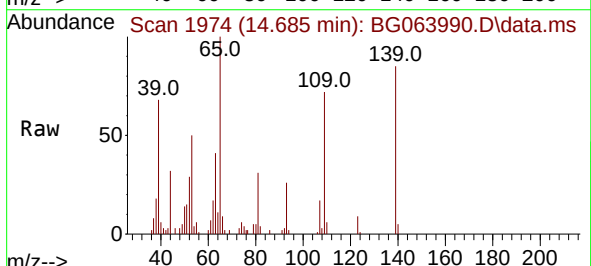
Tgt Ion:139 Resp: 15473

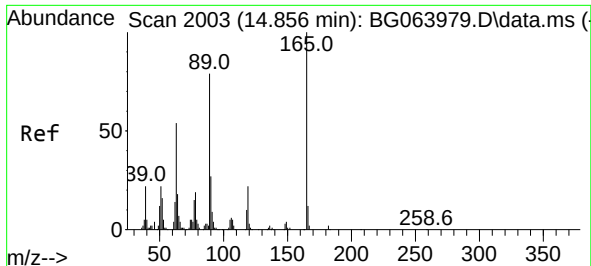
Ion Ratio Lower Upper

139 100

109 84.9 60.1 100.1

65 117.4 96.2 136.2





#57

2,4-Dinitrotoluene

Concen: 11.269 ng

RT: 14.850 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BG063990.D

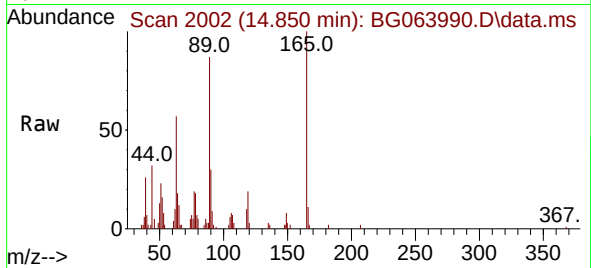
Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:165 Resp: 17585

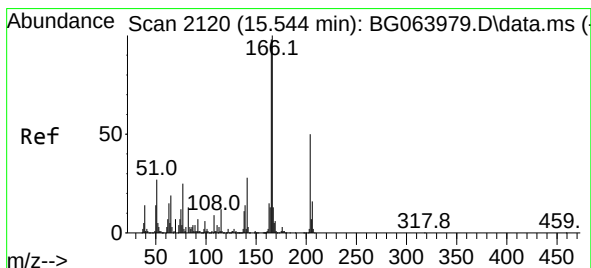
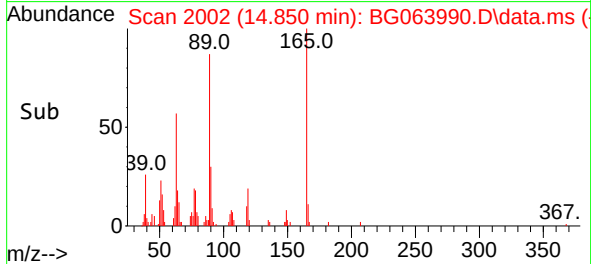
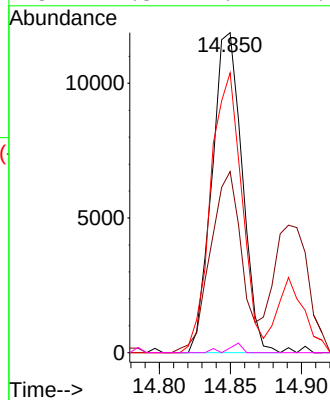
Ion Ratio Lower Upper

165 100

63 56.6 43.6 65.4

89 87.4 63.1 94.7

182 1.5 1.4 2.0



#58

Fluorene

Concen: 7.893 ng

RT: 15.543 min Scan# 2120

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

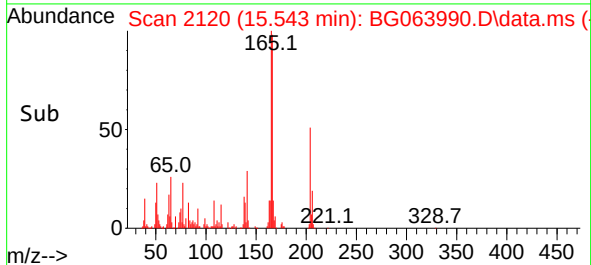
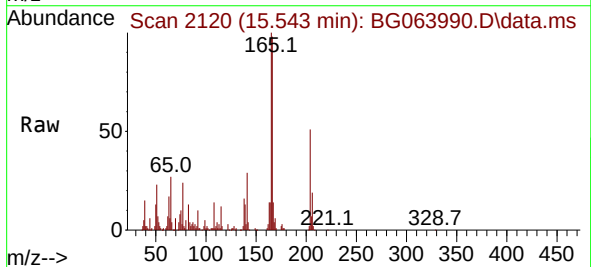
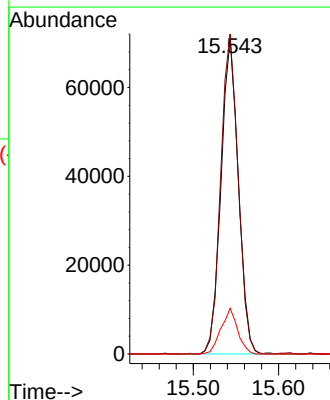
Tgt Ion:166 Resp: 100102

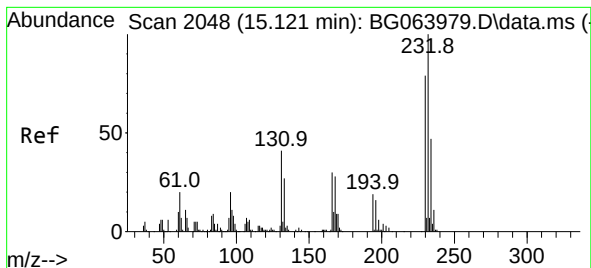
Ion Ratio Lower Upper

166 100

165 101.5 78.7 118.1

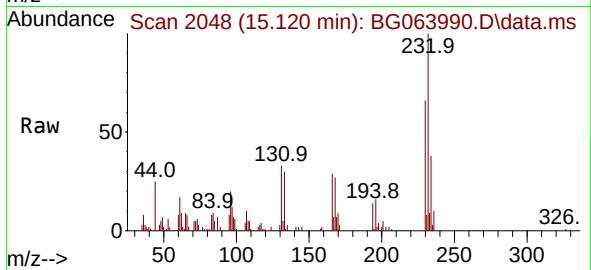
167 14.5 10.1 15.1



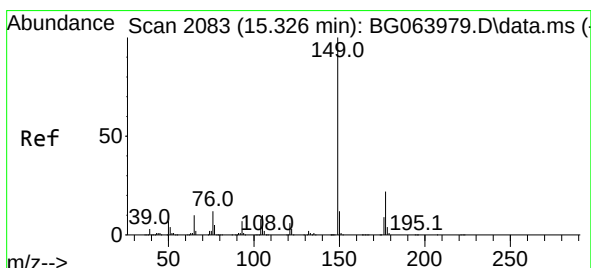
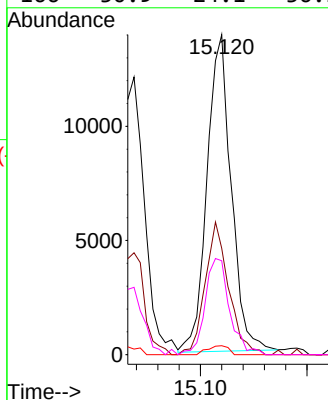
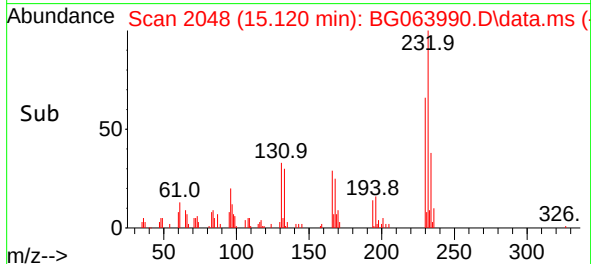


#59
2,3,4,6-Tetrachlorophenol
Concen: 11.140 ng
RT: 15.120 min Scan# 2048
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

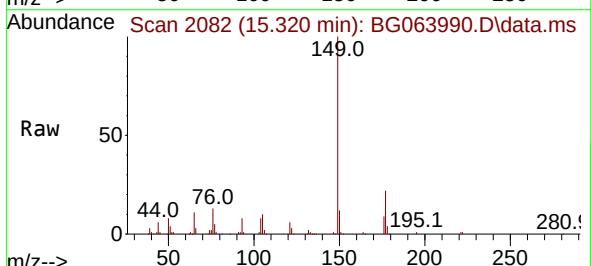
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024



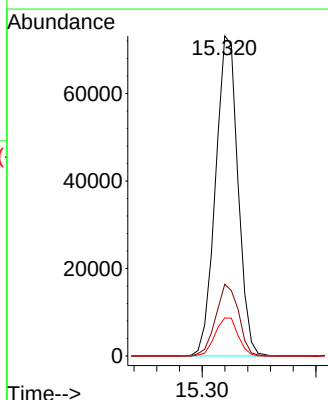
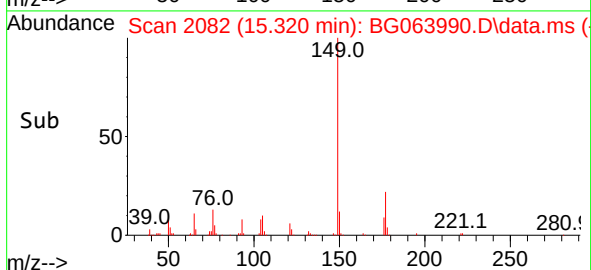
Tgt Ion:232 Resp: 21880
Ion Ratio Lower Upper
232 100
131 40.8 34.0 51.0
130 2.5 2.2 3.4
166 30.9 24.1 36.1

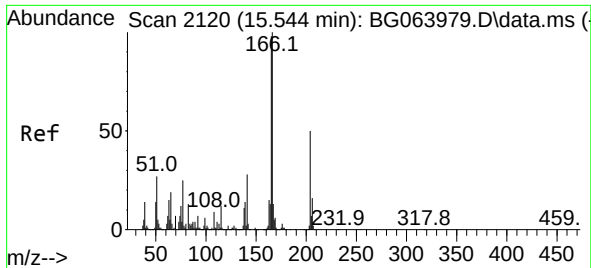


#60
Diethylphthalate
Concen: 8.158 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55



Tgt Ion:149 Resp: 100228
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 11.9 9.7 14.5

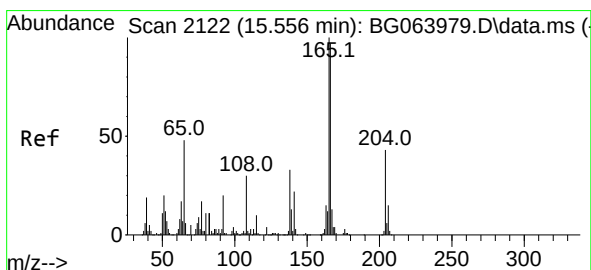
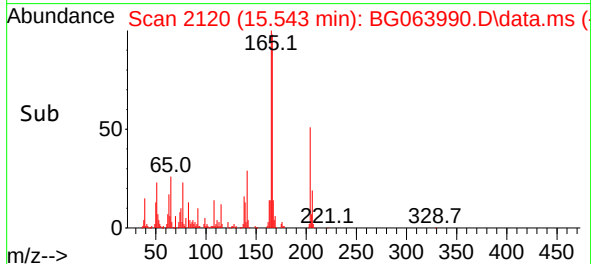
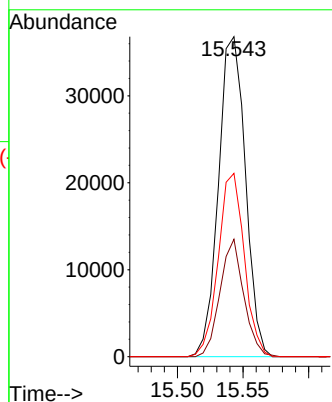
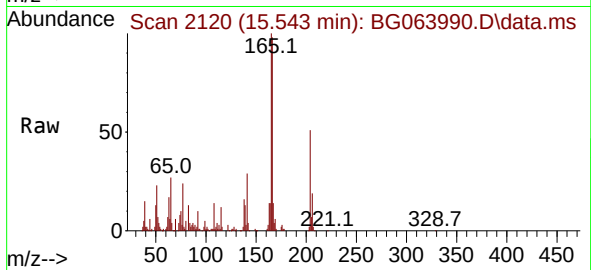




#61
4-Chlorophenyl-phenylether
Concen: 8.250 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

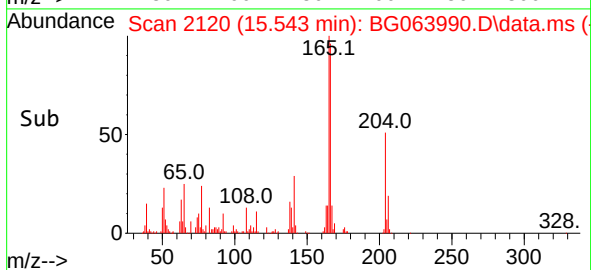
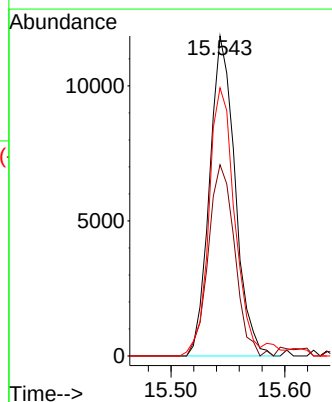
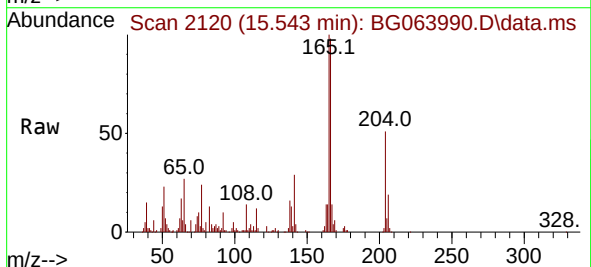
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

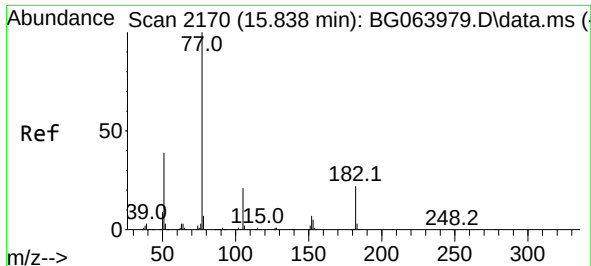
Tgt Ion:204 Resp: 52499
Ion Ratio Lower Upper
204 100
206 36.7 25.8 38.6
141 57.3 44.6 67.0



#62
4-Nitroaniline
Concen: 10.117 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.013 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:138 Resp: 18462
Ion Ratio Lower Upper
138 100
92 59.7 40.3 80.3
108 83.8 69.3 109.3

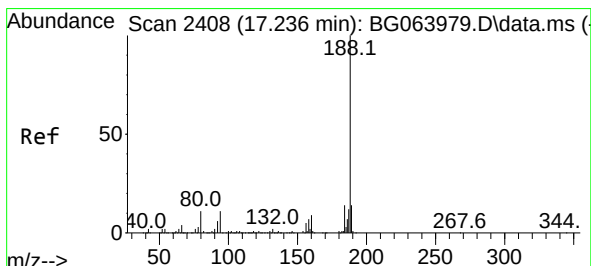
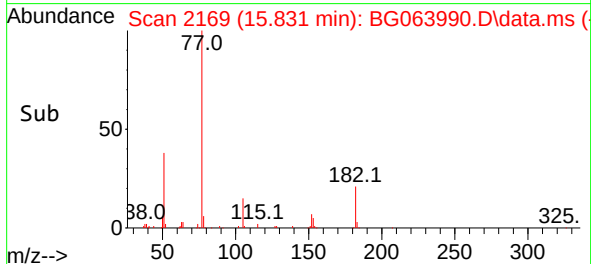
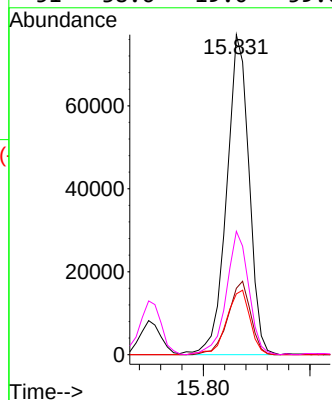
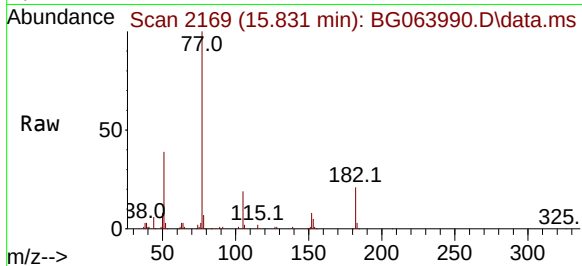




#63
Azobenzene
Concen: 7.741 ng
RT: 15.831 min Scan# 2170
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

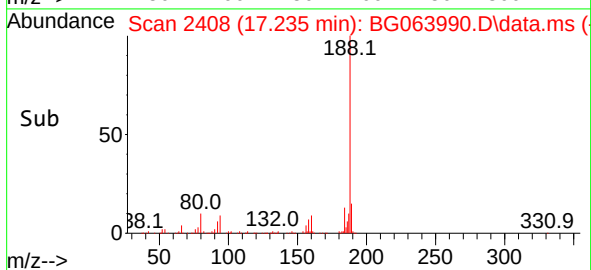
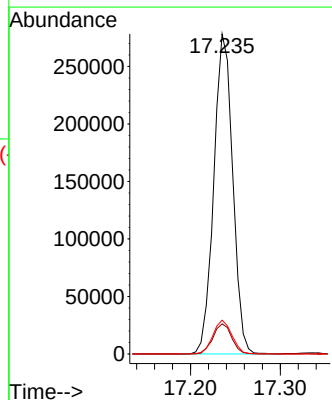
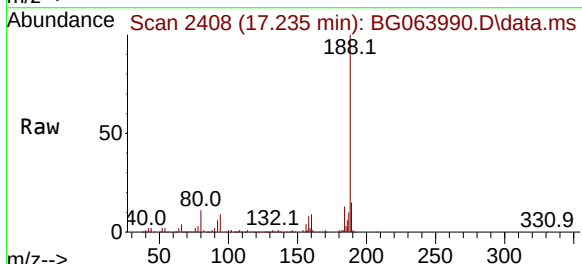
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

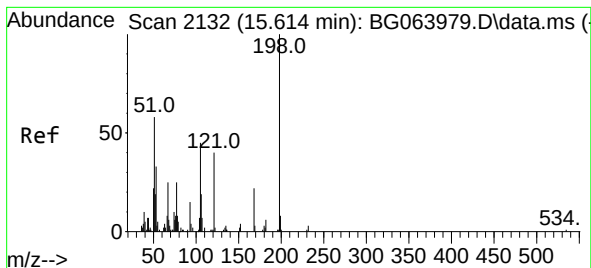
Tgt Ion: 77	Resp: 112332
Ion Ratio	Lower Upper
77 100	
182 20.7	2.3 42.3
105 19.0	1.0 41.0
51 38.6	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:188	Resp: 406753
Ion Ratio	Lower Upper
188 100	
94 9.4	8.6 13.0
80 10.6	8.5 12.7

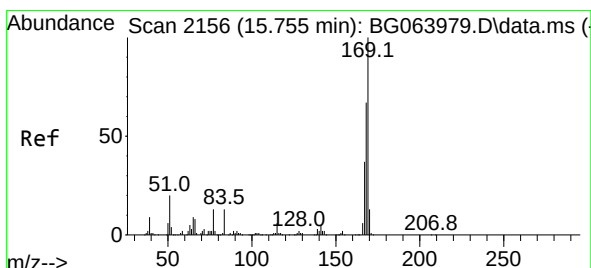
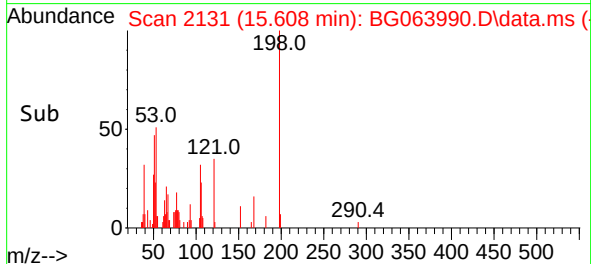
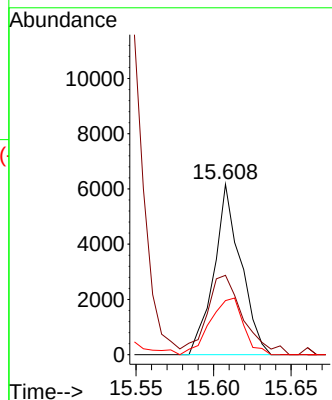
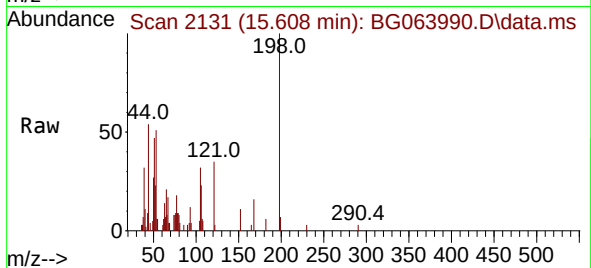




#65
4,6-Dinitro-2-methylphenol
Concen: 13.878 ng
RT: 15.608 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

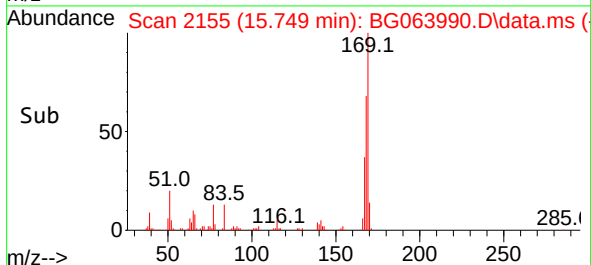
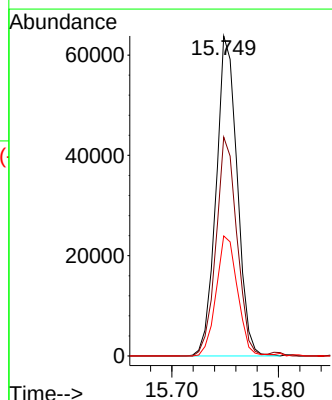
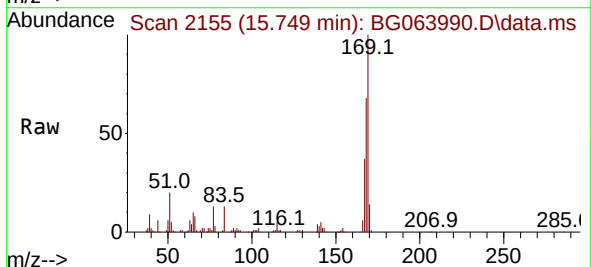
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

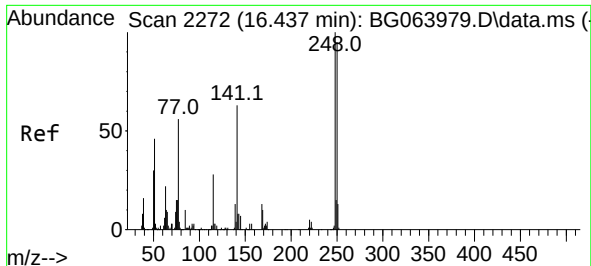
Tgt Ion:198 Resp: 7401
Ion Ratio Lower Upper
198 100
51 46.6 45.4 85.4
105 31.8 27.7 67.7



#66
n-Nitrosodiphenylamine
Concen: 7.729 ng
RT: 15.749 min Scan# 2155
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:169 Resp: 87169
Ion Ratio Lower Upper
169 100
168 68.4 53.5 80.3
167 37.5 30.0 45.0

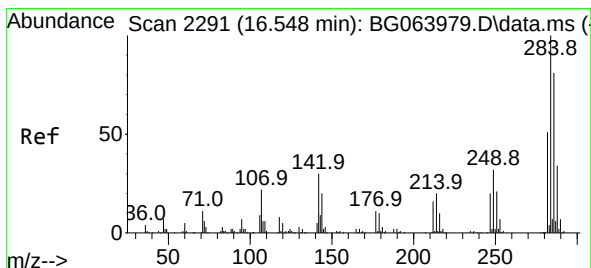
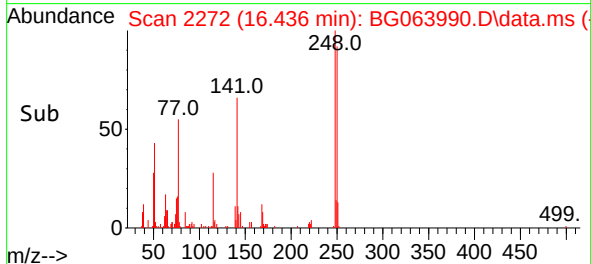
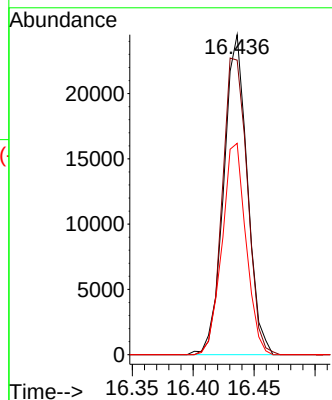
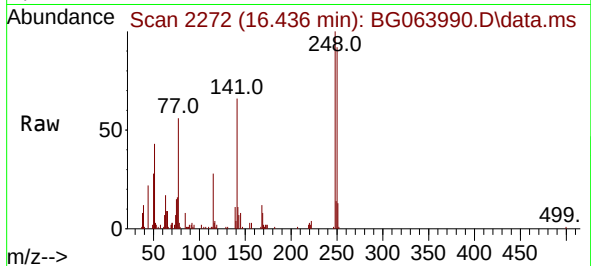




#67
4-Bromophenyl-phenylether
Concen: 8.170 ng
RT: 16.436 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

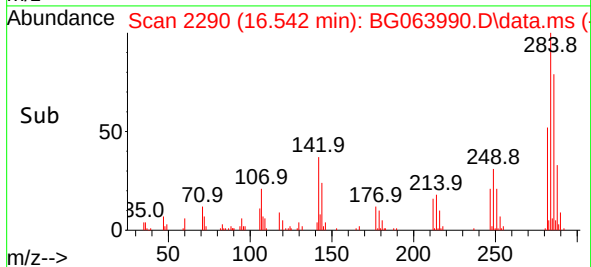
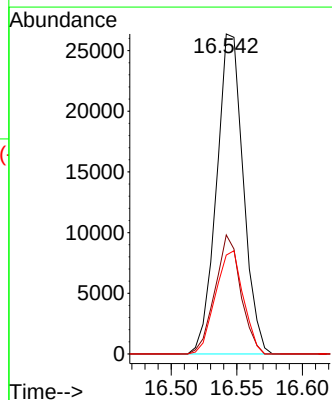
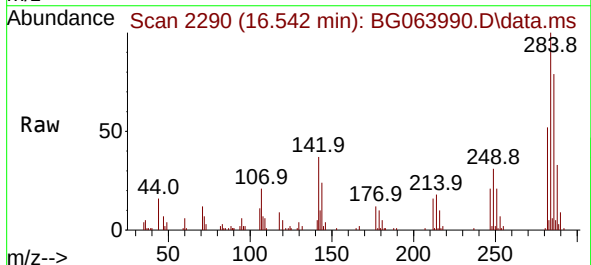
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

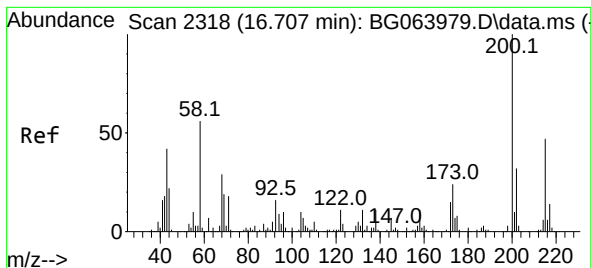
Tgt Ion:248 Resp: 33079
Ion Ratio Lower Upper
248 100
250 92.1 76.2 114.4
141 66.0 50.6 75.8



#68
Hexachlorobenzene
Concen: 7.850 ng
RT: 16.542 min Scan# 2290
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:284 Resp: 37365
Ion Ratio Lower Upper
284 100
142 37.2 23.8 35.8#
249 30.9 25.9 38.9





#69

Atrazine

Concen: 8.692 ng

RT: 16.701 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

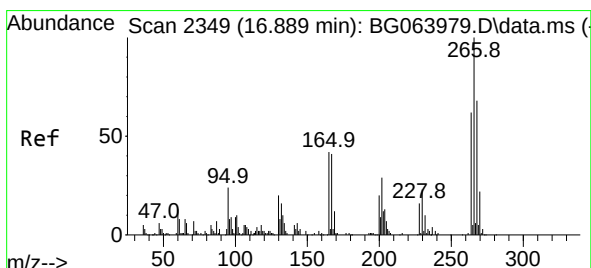
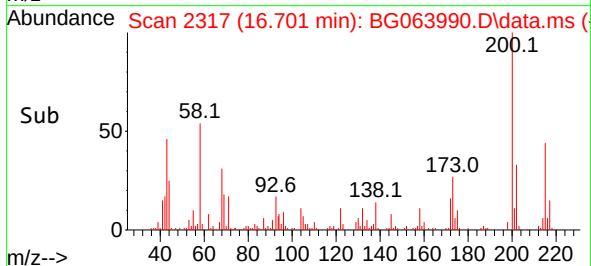
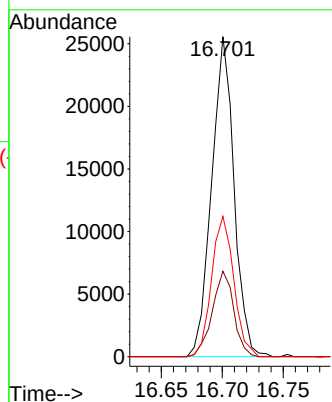
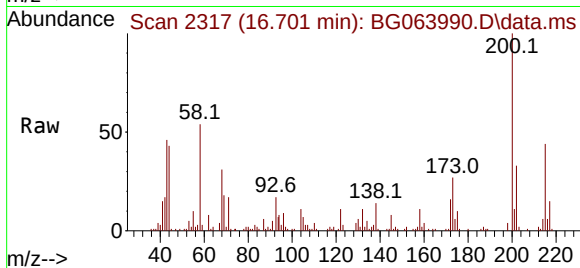
Tgt Ion:200 Resp: 32621

Ion Ratio Lower Upper

200 100

173 26.7 3.8 43.8

215 43.9 26.6 66.6



#70

Pentachlorophenol

Concen: 14.069 ng

RT: 16.883 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

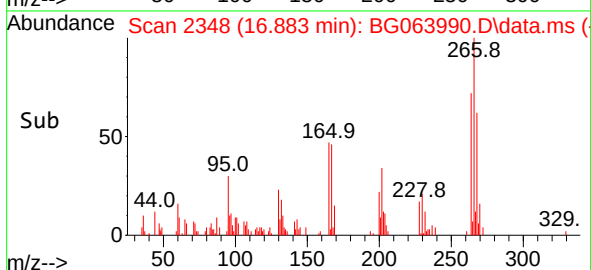
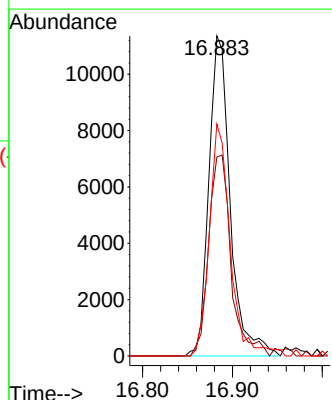
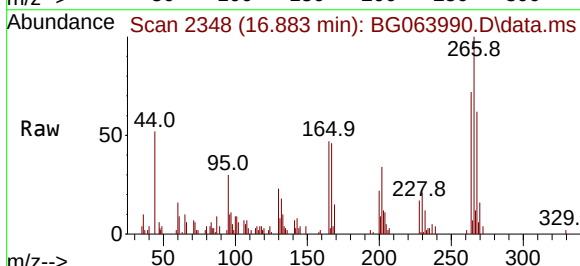
Tgt Ion:266 Resp: 18766

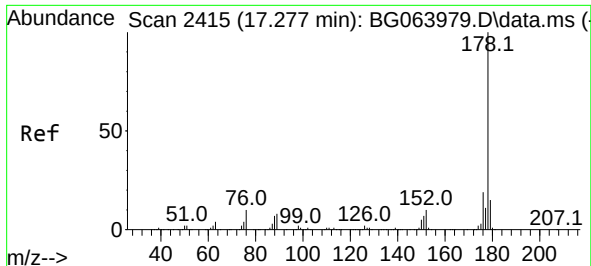
Ion Ratio Lower Upper

266 100

268 62.1 54.8 82.2

264 72.5 50.0 75.0

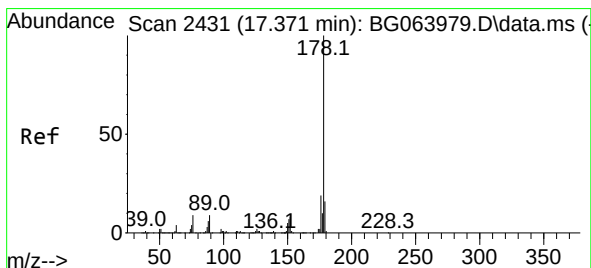
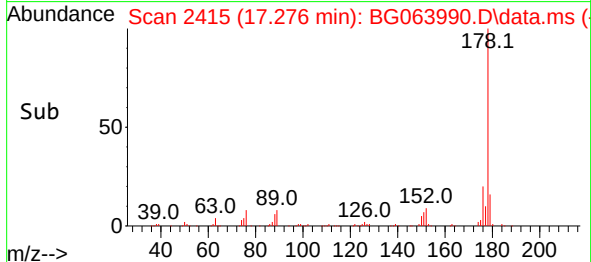
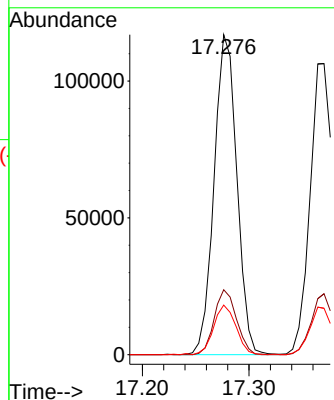
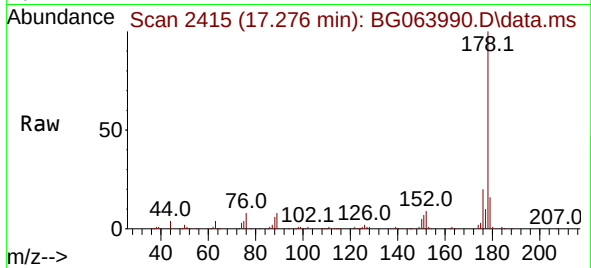




#71
Phenanthrene
Concen: 8.110 ng
RT: 17.276 min Scan# 2415
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

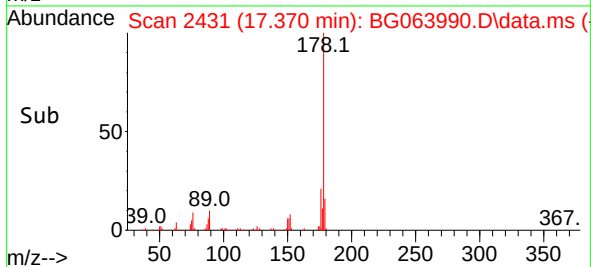
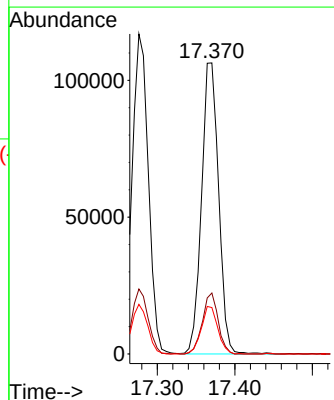
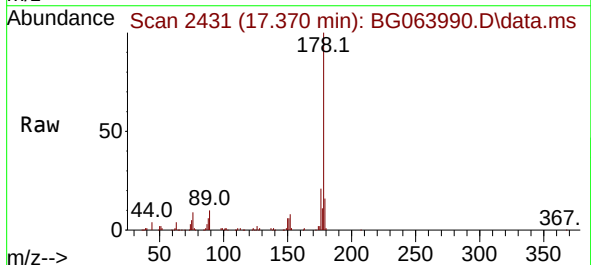
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

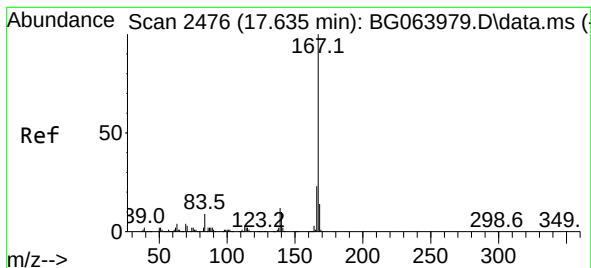
Tgt Ion:178 Resp: 173256
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 15.5 12.2 18.4



#72
Anthracene
Concen: 7.618 ng
RT: 17.370 min Scan# 2431
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:178 Resp: 162850
Ion Ratio Lower Upper
178 100
176 20.9 15.0 22.4
179 16.0 12.8 19.2





#73

Carbazole

Concen: 7.769 ng

RT: 17.635 min Scan# 2476

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

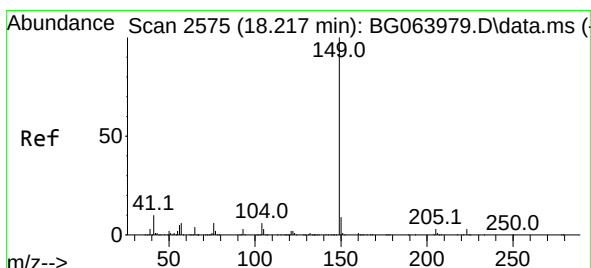
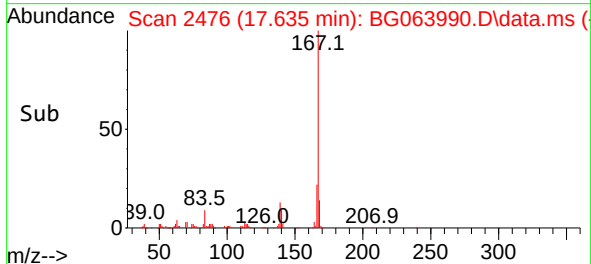
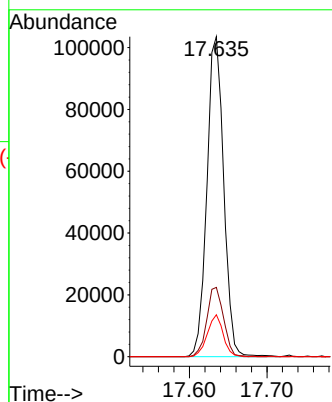
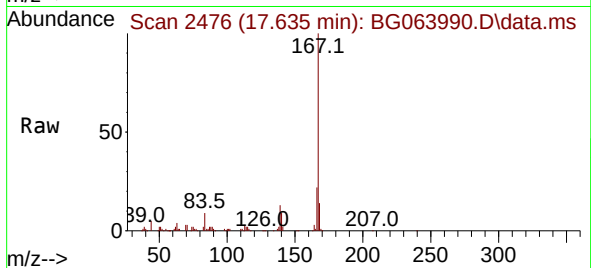
Tgt Ion:167 Resp: 155472

Ion Ratio Lower Upper

167 100

166 21.7 18.6 28.0

139 13.1 9.8 14.8



#74

Di-n-butylphthalate

Concen: 7.951 ng

RT: 18.216 min Scan# 2575

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

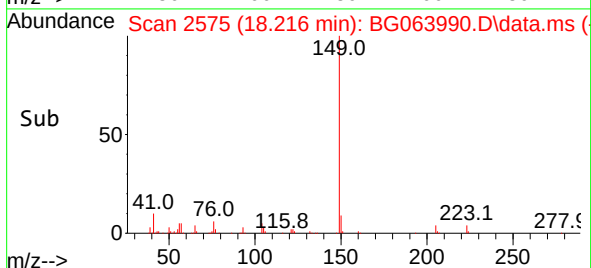
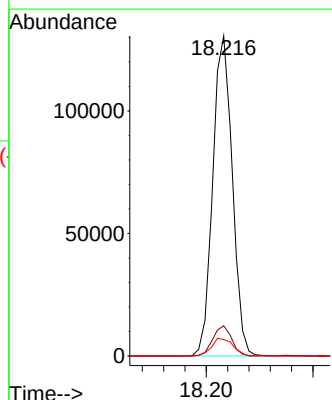
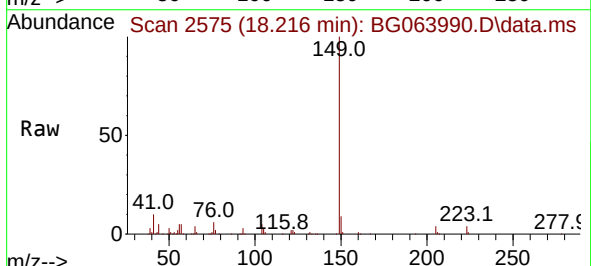
Tgt Ion:149 Resp: 165845

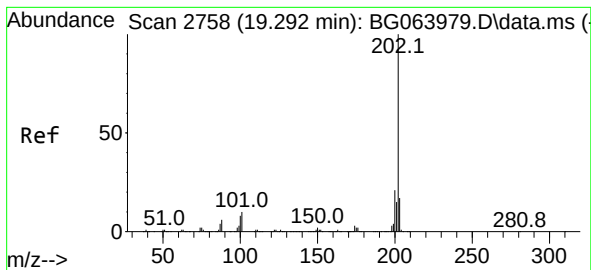
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.1 4.6 6.8





#75

Fluoranthene

Concen: 7.561 ng

RT: 19.286 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

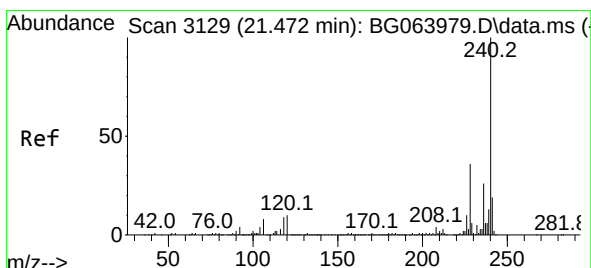
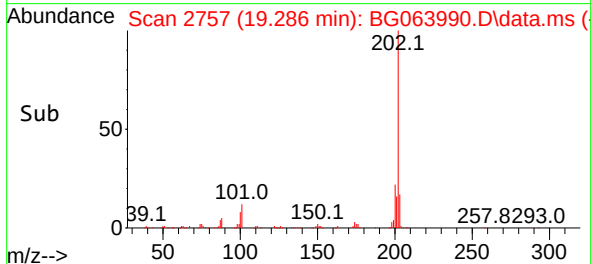
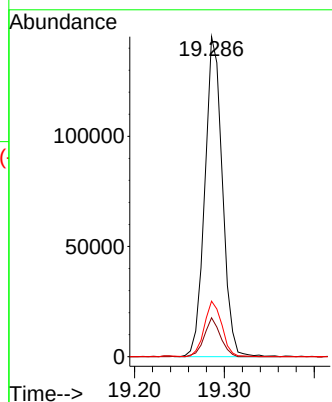
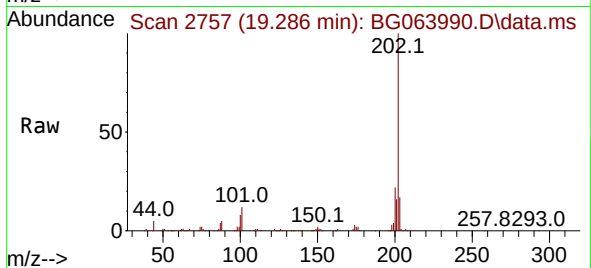
Tgt Ion:202 Resp: 196691

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.4

203 17.4 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.471 min Scan# 3129

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

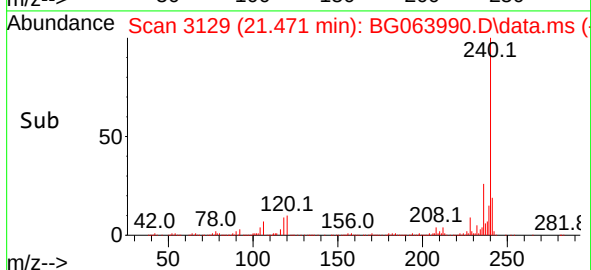
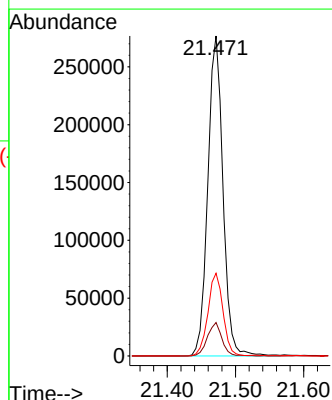
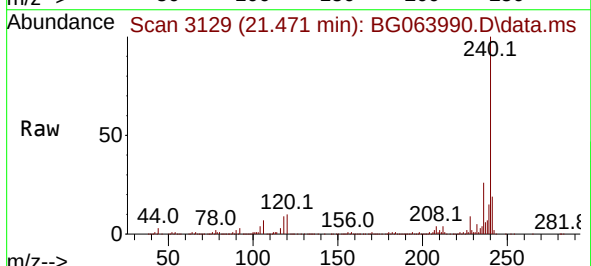
Tgt Ion:240 Resp: 427660

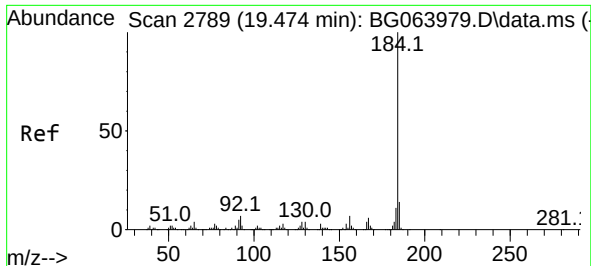
Ion Ratio Lower Upper

240 100

120 10.5 7.9 11.9

236 25.8 21.0 31.6

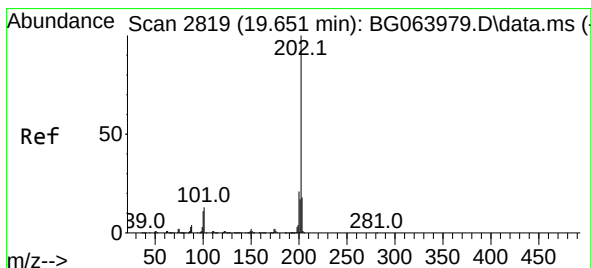
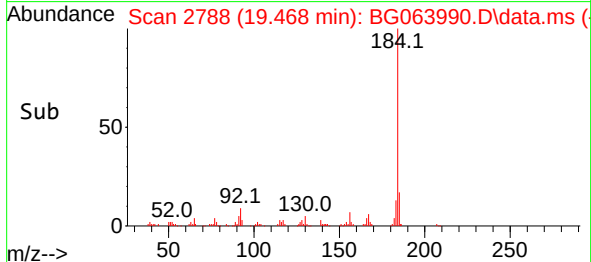
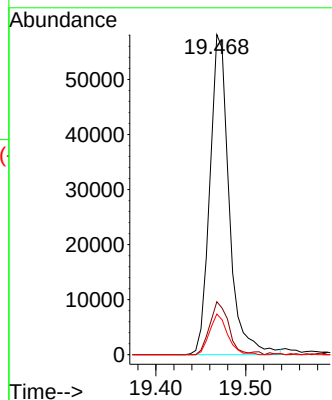
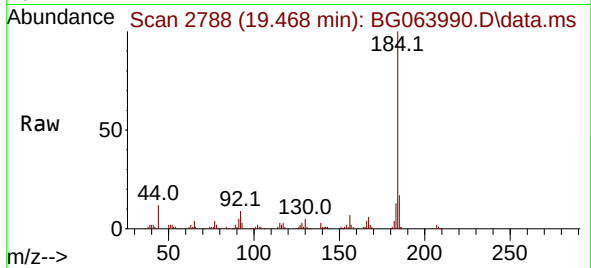




#77
Benzidine
Concen: 9.522 ng
RT: 19.468 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

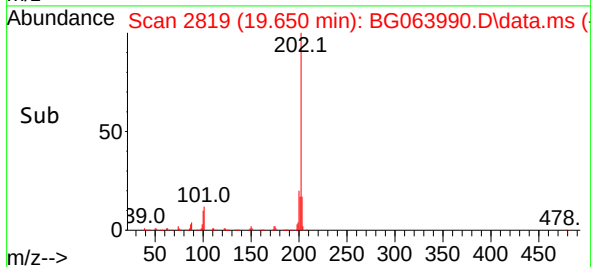
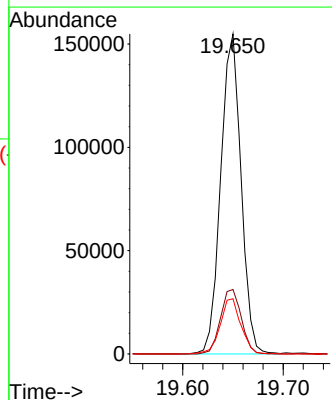
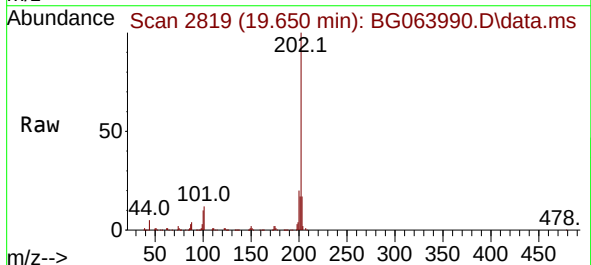
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

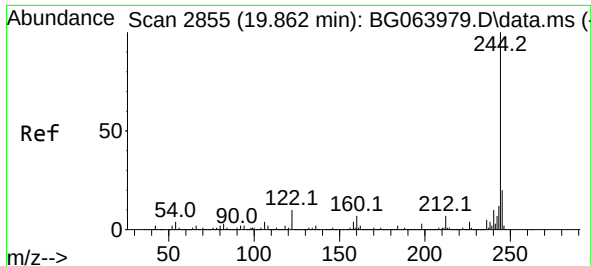
Tgt Ion:184 Resp: 86716
Ion Ratio Lower Upper
184 100
185 16.5 11.2 16.8
183 12.7 8.7 13.1



#78
Pyrene
Concen: 8.243 ng
RT: 19.650 min Scan# 2819
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:202 Resp: 217634
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 17.2 14.5 21.7

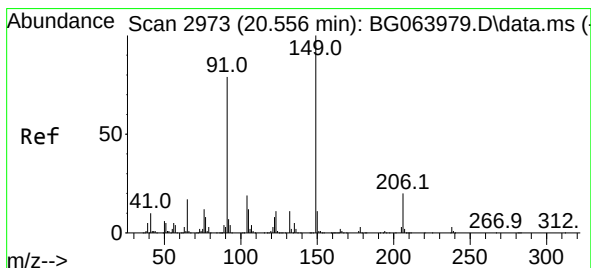
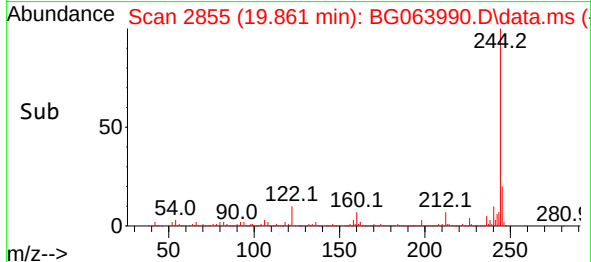
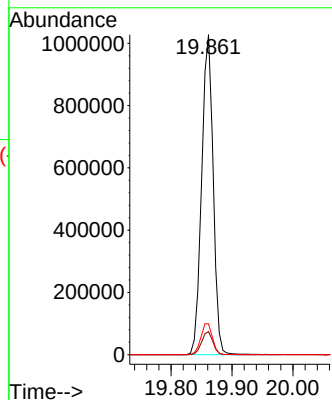
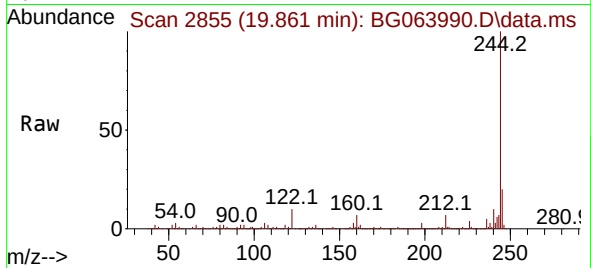




#79
 Terphenyl-d14
 Concen: 66.029 ng
 RT: 19.861 min Scan# 2855
 Delta R.T. -0.001 min
 Lab File: BG063990.D
 Acq: 4 Feb 2025 12:55

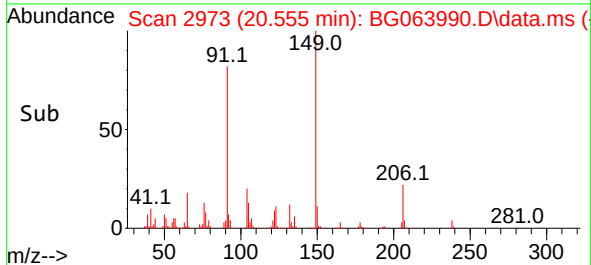
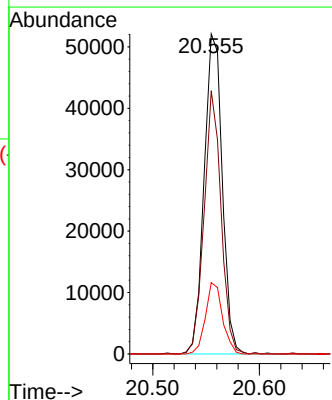
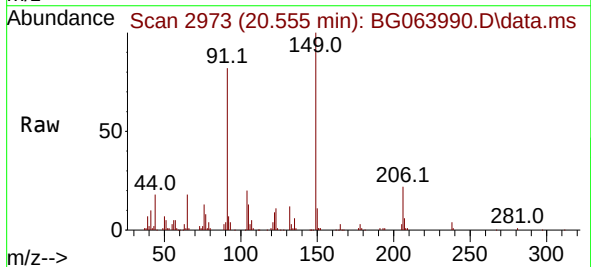
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

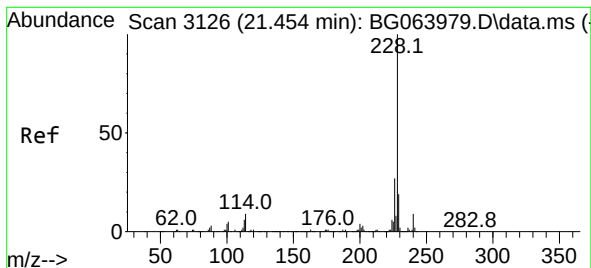
Tgt Ion:244 Resp: 1352100
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 9.7 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 11.476 ng
 RT: 20.555 min Scan# 2973
 Delta R.T. -0.001 min
 Lab File: BG063990.D
 Acq: 4 Feb 2025 12:55

Tgt Ion:149 Resp: 61717
 Ion Ratio Lower Upper
 149 100
 91 82.3 63.0 94.6
 206 22.3 15.8 23.6





#81

Benzo(a)anthracene

Concen: 8.386 ng

RT: 21.454 min Scan# 3126

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

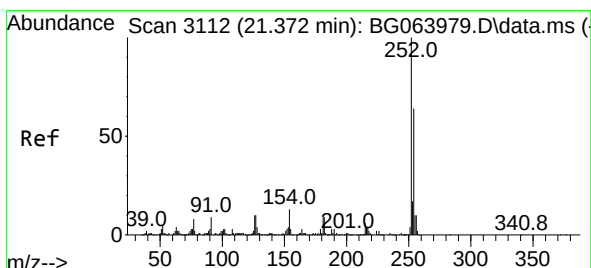
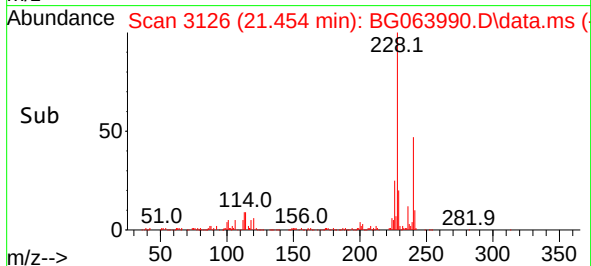
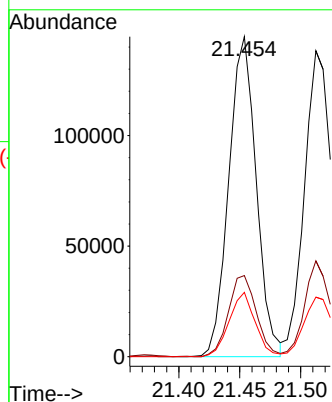
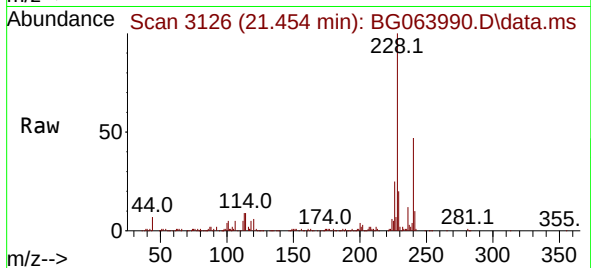
Tgt Ion:228 Resp: 227713

Ion Ratio Lower Upper

228 100

226 25.4 21.8 32.6

229 20.1 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 8.486 ng

RT: 21.377 min Scan# 3113

Delta R.T. 0.005 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

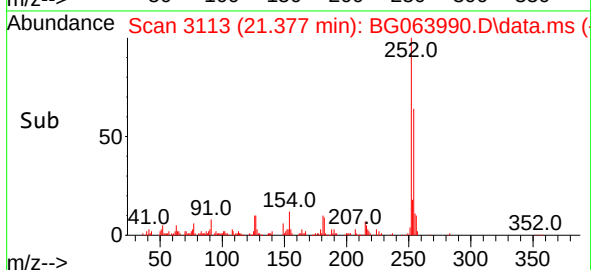
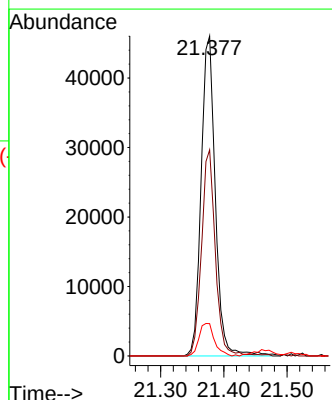
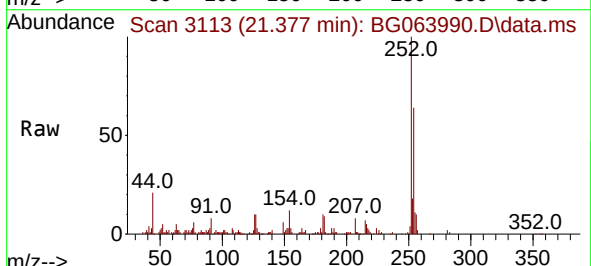
Tgt Ion:252 Resp: 71757

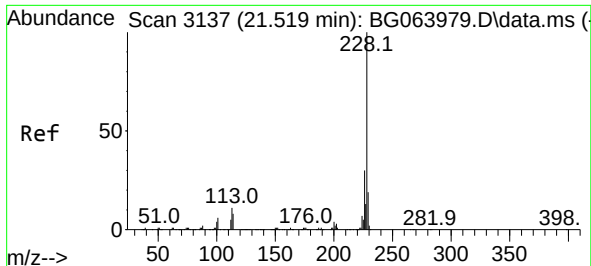
Ion Ratio Lower Upper

252 100

254 64.4 50.8 76.2

126 10.1 8.2 12.2





#83

Chrysene

Concen: 8.186 ng

RT: 21.512 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

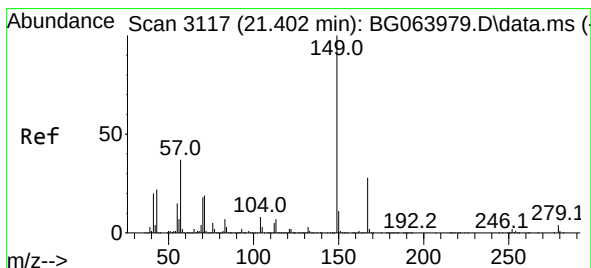
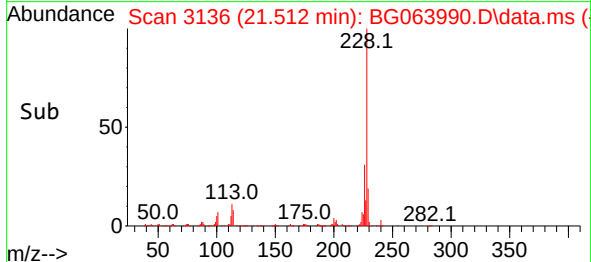
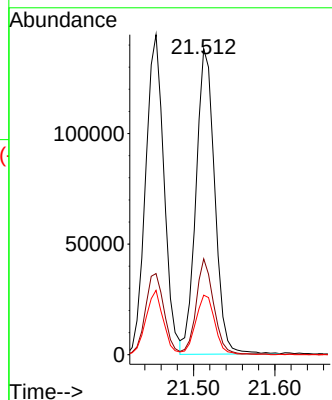
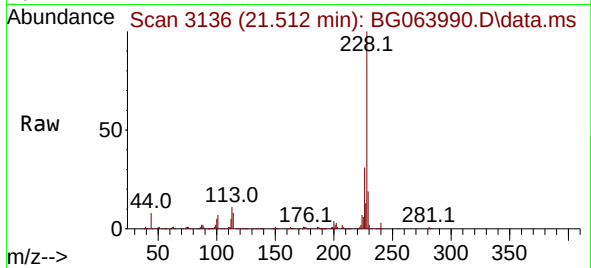
Tgt Ion:228 Resp: 221196

Ion Ratio Lower Upper

228 100

226 31.4 24.2 36.2

229 19.4 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.957 ng

RT: 21.401 min Scan# 3117

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

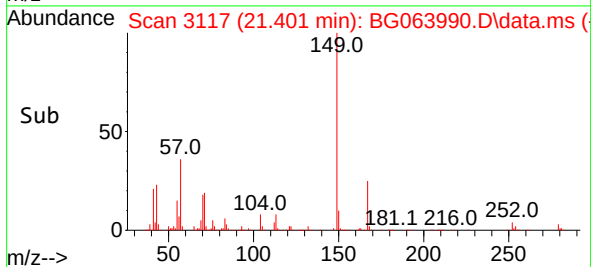
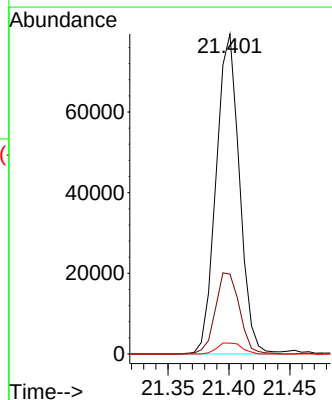
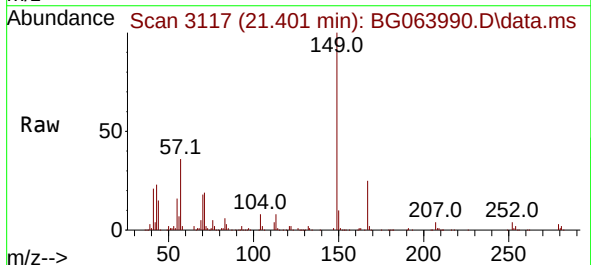
Tgt Ion:149 Resp: 105773

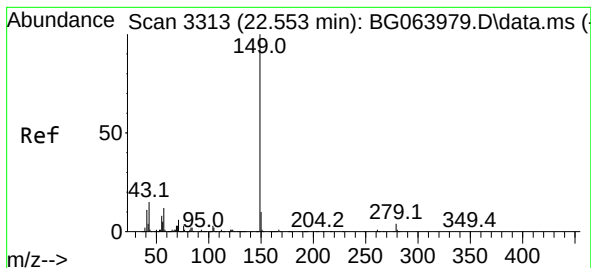
Ion Ratio Lower Upper

149 100

167 25.0 22.5 33.7

279 3.4 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 12.788 ng

RT: 22.552 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

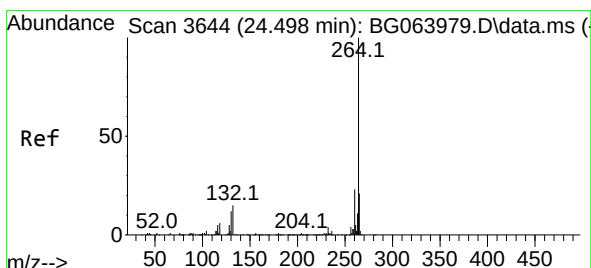
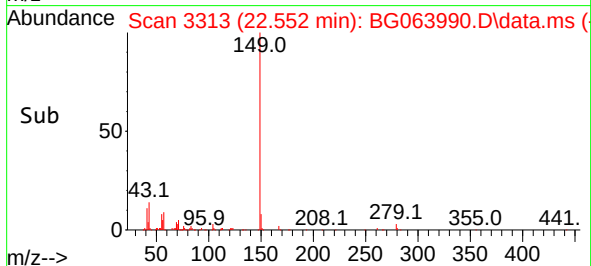
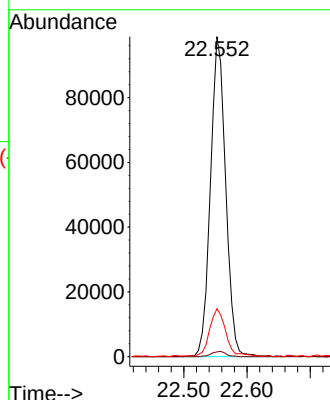
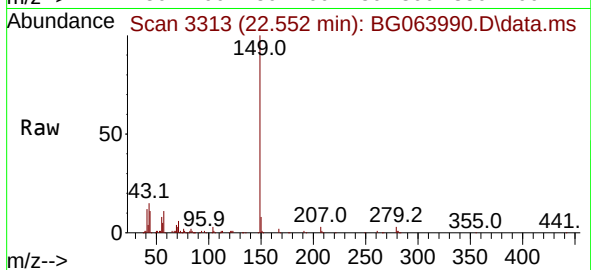
Tgt Ion:149 Resp: 165365

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 16.2 12.3 18.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.497 min Scan# 3644

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

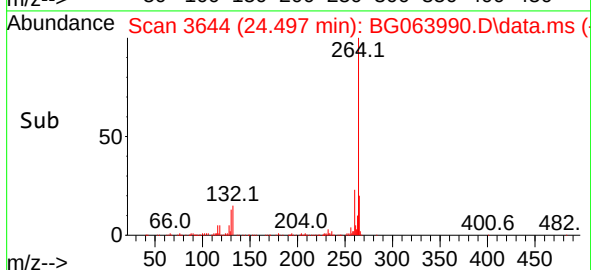
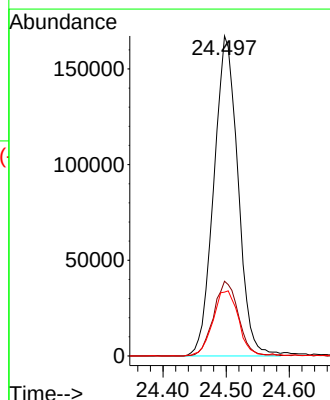
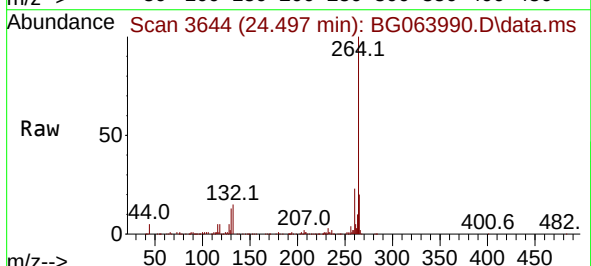
Tgt Ion:264 Resp: 443135

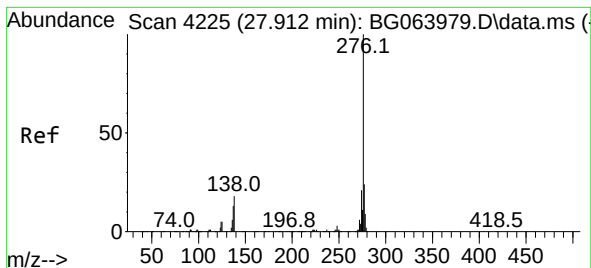
Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 19.9 16.6 24.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.305 ng

RT: 27.911 min Scan# 41

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2024

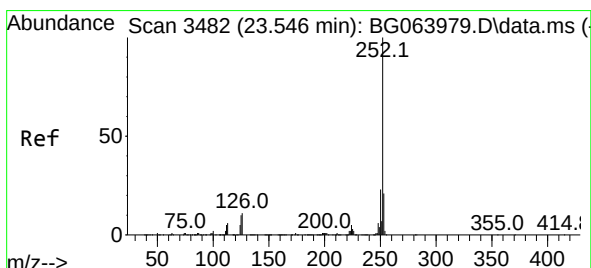
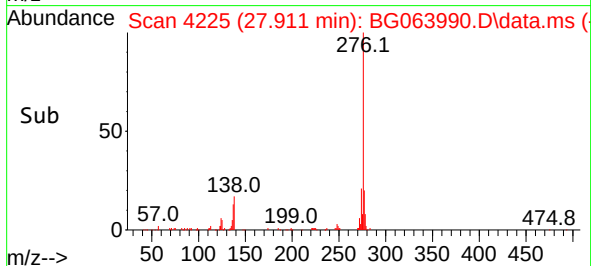
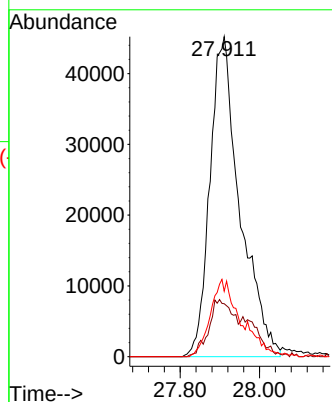
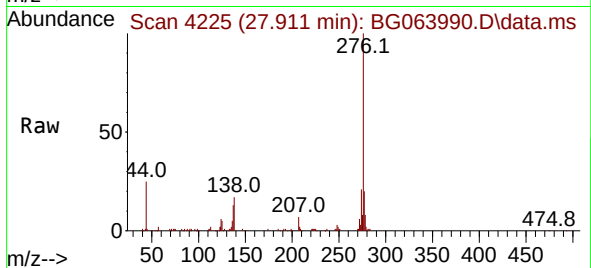
Tgt Ion:276 Resp: 237433

Ion Ratio Lower Upper

276 100

138 14.7 10.7 16.1

277 20.2 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 7.933 ng

RT: 23.545 min Scan# 3482

Delta R.T. -0.001 min

Lab File: BG063990.D

Acq: 4 Feb 2025 12:55

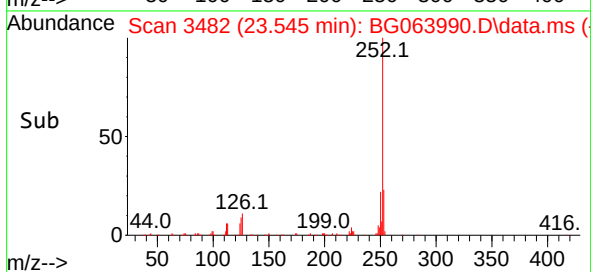
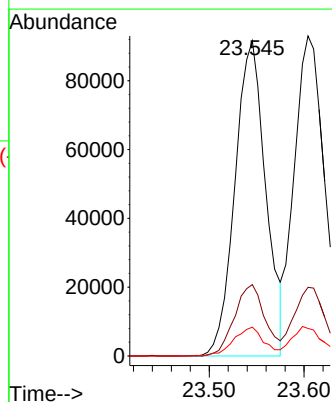
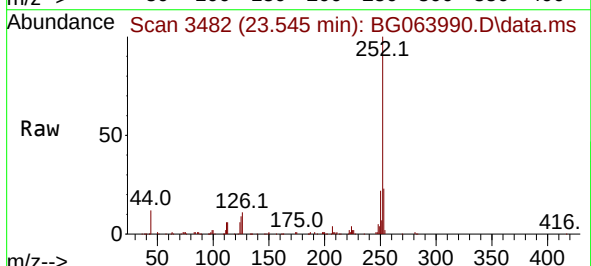
Tgt Ion:252 Resp: 206998

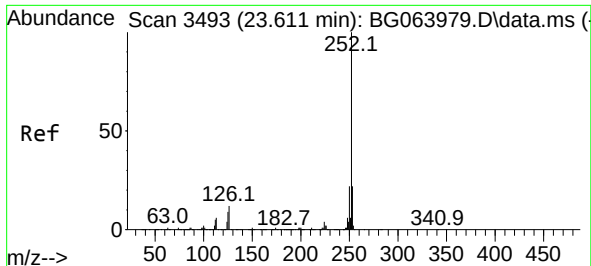
Ion Ratio Lower Upper

252 100

253 22.6 16.9 25.3

125 9.2 7.9 11.9

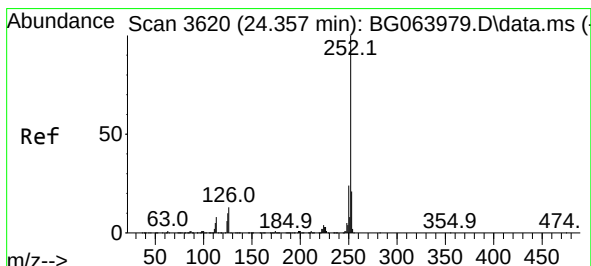
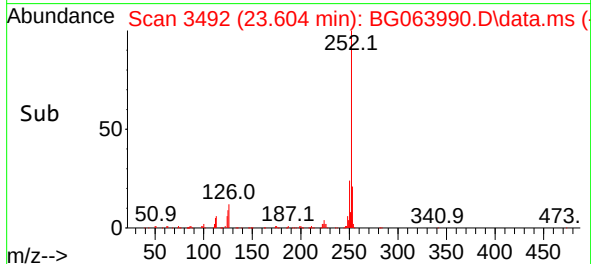
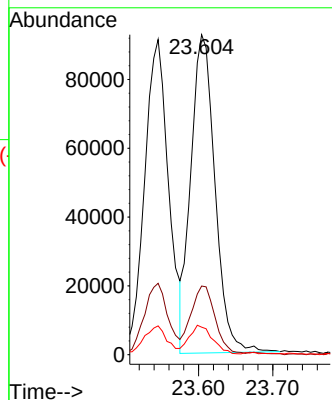
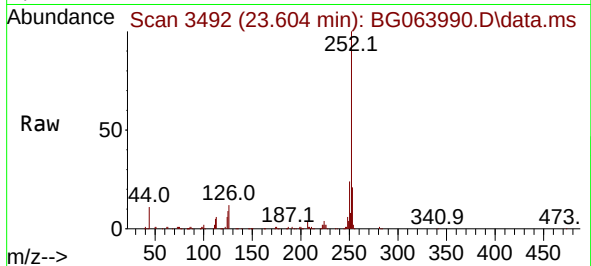




#89
Benzo(k)fluoranthene
Concen: 7.809 ng
RT: 23.604 min Scan# 3493
Delta R.T. -0.007 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

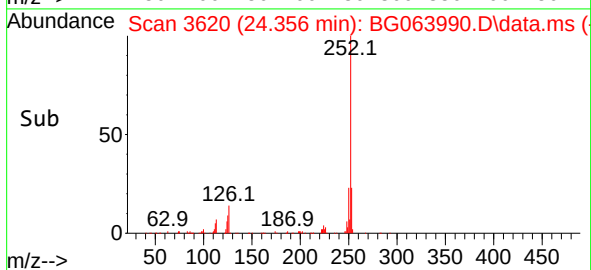
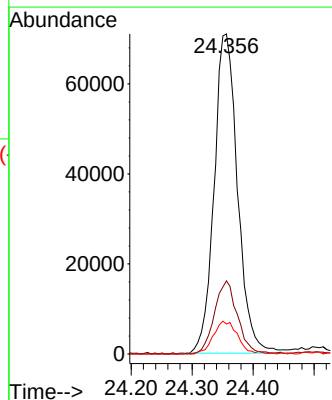
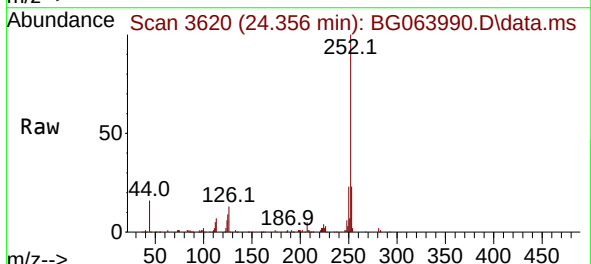
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

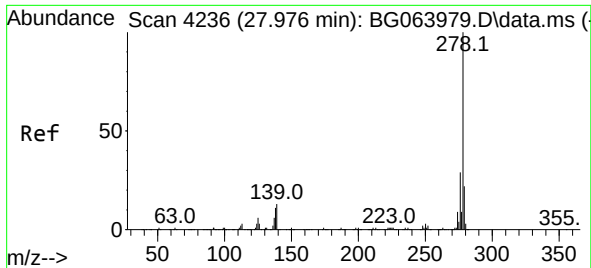
Tgt Ion:252 Resp: 209234
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 8.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 8.124 ng
RT: 24.356 min Scan# 3620
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:252 Resp: 189230
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 9.4 7.9 11.9

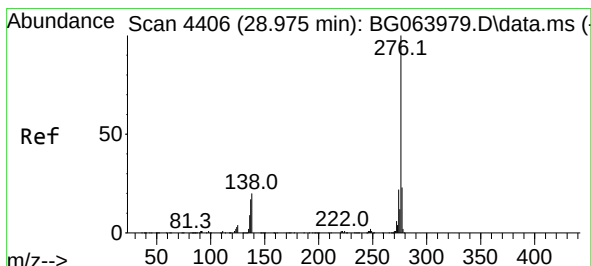
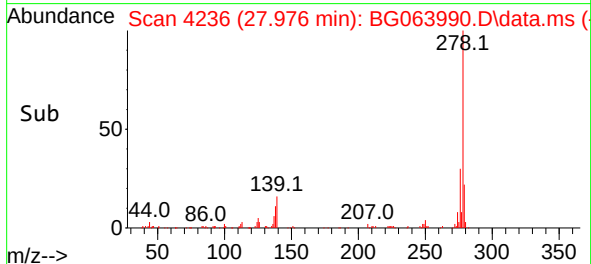
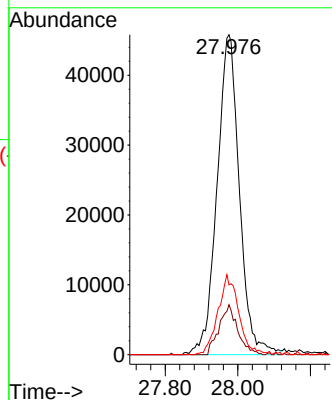
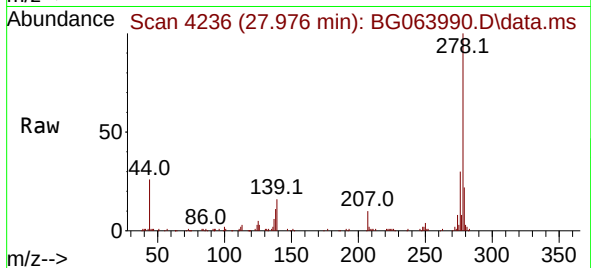




#91
Dibenzo(a,h)anthracene
Concen: 8.112 ng
RT: 27.976 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

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

Tgt Ion:278 Resp: 195809
Ion Ratio Lower Upper
278 100
139 15.6 10.8 16.2
279 21.8 17.8 26.6



#92
Benzo(g,h,i)perylene
Concen: 7.698 ng
RT: 28.974 min Scan# 4406
Delta R.T. -0.001 min
Lab File: BG063990.D
Acq: 4 Feb 2025 12:55

Tgt Ion:276 Resp: 187585
Ion Ratio Lower Upper
276 100
277 25.1 18.2 27.4
138 19.1 15.8 23.6

