

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071322\
 Data File : BG054272.D
 Acq On : 13 Jul 2022 15:13
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jul 13 15:55:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 13 12:11:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.041	152	19078	20.000	ng	0.00
21) Naphthalene-d8	10.849	136	68667	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	54354	20.000	ng	0.00
64) Phenanthrene-d10	17.412	188	149288	20.000	ng	# 0.00
76) Chrysene-d12	21.690	240	194227	20.000	ng	# 0.00
86) Perylene-d12	24.921	264	206048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	90945	95.774	ng	0.00
7) Phenol-d6	7.207	99	116830	89.203	ng	0.00
23) Nitrobenzene-d5	9.204	82	87294	68.987	ng	0.00
42) 2,4,6-Tribromophenol	16.161	330	114703	108.941	ng	0.00
45) 2-Fluorobiphenyl	13.294	172	270259	73.059	ng	0.00
79) Terphenyl-d14	20.021	244	660496	69.930	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.488	88	2004	4.826	ng	# 70
3) Pyridine	3.899	79	5535	5.337	ng	# 93
4) n-Nitrosodimethylamine	3.817	42	2046	3.905	ng	# 59
6) Aniline	7.365	93	6636	4.310	ng	92
8) 2-Chlorophenol	7.606	128	4943	4.644	ng	95
9) Benzaldehyde	7.177	77	4186	5.322	ng	# 67
10) Phenol	7.230	94	5260	3.981	ng	# 74
11) bis(2-Chloroethyl)ether	7.453	93	4046	4.152	ng	99
12) 1,3-Dichlorobenzene	8.399	146	5743	4.444	ng	92
13) 1,4-Dichlorobenzene	8.076	146	6077	4.589	ng	90
14) 1,2-Dichlorobenzene	8.399	146	5743	4.516	ng	95
15) Benzyl Alcohol	8.276	79	4018	3.806	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.570	45	4689	3.465	ng	87
17) 2-Methylphenol	8.482	107	3898	4.129	ng	# 88
18) Hexachloroethane	9.122	117	1952	4.332	ng	# 52
19) n-Nitroso-di-n-propyla...	8.840	70	3649	4.081	ng	# 96
20) 3+4-Methylphenols	8.817	107	4917	3.712	ng	91
22) Acetophenone	8.858	105	7484	4.510	ng	# 95
24) Nitrobenzene	9.240	77	5971	4.800	ng	# 85
25) Isophorone	9.763	82	10148	4.433	ng	# 97
26) 2-Nitrophenol	9.962	139	2533	4.133	ng	# 84
27) 2,4-Dimethylphenol	10.021	122	4409	5.143	ng	85
28) bis(2-Chloroethoxy)met...	10.244	93	5354	4.595	ng	# 96
29) 2,4-Dichlorophenol	10.503	162	4983	4.011	ng	91
30) 1,2,4-Trichlorobenzene	10.708	180	7285	4.752	ng	# 91
31) Naphthalene	10.902	128	15446	4.473	ng	99
32) Benzoic acid	10.174	122	476	1.365	ng	# 59
33) 4-Chloroaniline	11.008	127	5836	4.064	ng	93
34) Hexachlorobutadiene	11.184	225	6667	5.241	ng	99
35) Caprolactam	11.754	113	1034	2.922	ng	# 69
36) 4-Chloro-3-methylphenol	12.136	107	5032	4.210	ng	100
37) 2-Methylnaphthalene	12.506	142	11549	4.364	ng	99
38) 1-Methylnaphthalene	12.724	142	11481	4.469	ng	97
40) 1,2,4,5-Tetrachloroben...	12.871	216	11806	5.351	ng	# 92
41) Hexachlorocyclopentadiene	12.853	237	648	1.174	ng	75
43) 2,4,6-Trichlorophenol	13.112	196	4972	3.924	ng	90

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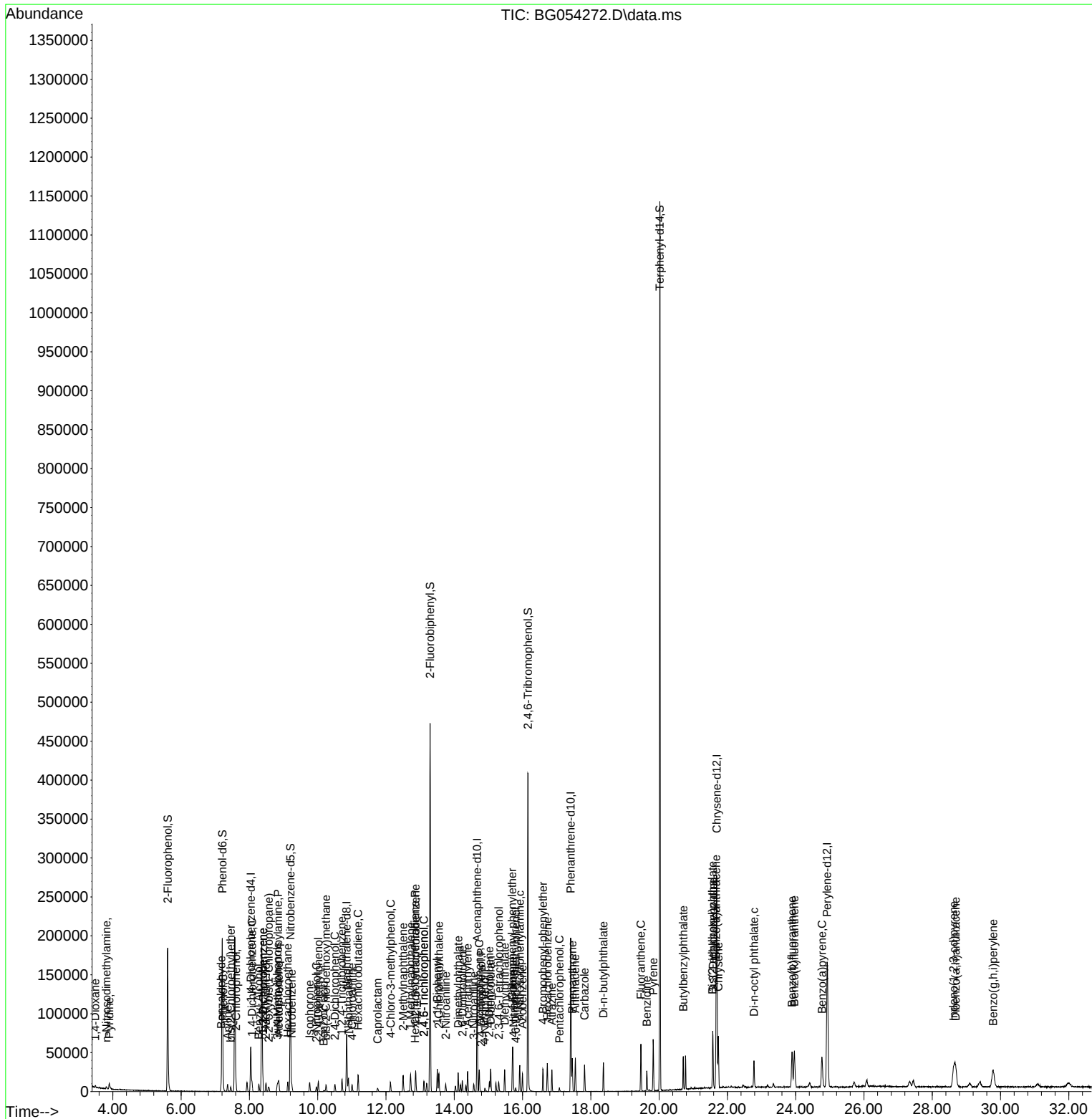
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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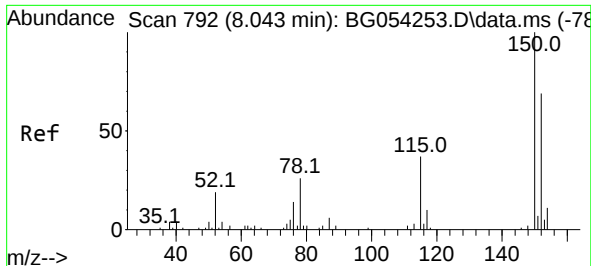
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.112	196	4972	3.587	ng	91
46) 1,1'-Biphenyl	13.505	154	17635	4.825	ng	95
47) 2-Chloronaphthalene	13.552	162	14544	4.760	ng #	87
48) 2-Nitroaniline	13.752	65	3058	3.536	ng #	84
49) Acenaphthylene	14.392	152	21510	4.640	ng	95
50) Dimethylphthalate	14.116	163	18764	4.397	ng #	94
51) 2,6-Dinitrotoluene	14.240	165	4041	4.356	ng #	76
52) Acenaphthene	14.733	154	12141	4.330	ng	96
53) 3-Nitroaniline	14.569	138	3150	3.831	ng #	79
54) 2,4-Dinitrophenol	14.792	184	251	0.577	ng #	50
55) Dibenzofuran	15.068	168	23207	4.712	ng	92
56) 4-Nitrophenol	14.892	139	1480	2.802	ng	96
57) 2,4-Dinitrotoluene	15.027	165	5084	3.785	ng #	86
58) Fluorene	15.714	166	18239	4.458	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.309	232	5421	3.905	ng #	78
60) Diethylphthalate	15.479	149	18610	4.471	ng	94
61) 4-Chlorophenyl-phenyle...	15.703	204	12946	4.982	ng #	84
62) 4-Nitroaniline	15.738	138	3287	3.828	ng #	76
63) Azobenzene	15.996	77	12947	4.127	ng	79
65) 4,6-Dinitro-2-methylph...	15.802	198	2483	2.827	ng #	74
66) n-Nitrosodiphenylamine	15.920	169	16604	4.409	ng	95
67) 4-Bromophenyl-phenylether	16.596	248	9348	4.695	ng #	91
68) Hexachlorobenzene	16.731	284	10469	4.606	ng #	87
69) Atrazine	16.860	200	7951	4.781	ng	90
70) Pentachlorophenol	17.083	266	2216	2.427	ng	93
71) Phenanthrene	17.459	178	32838	4.397	ng	98
72) Anthracene	17.547	178	33162	4.534	ng	95
73) Carbazole	17.818	167	27357	4.417	ng	96
74) Di-n-butylphthalate	18.370	149	30593	4.172	ng	98
75) Fluoranthene	19.469	202	46509	4.580	ng	97
77) Benzidine	19.639	184	21721	6.371	ng	98
78) Pyrene	19.827	202	48171	4.309	ng	99
80) Butylbenzylphthalate	20.709	149	13735	3.792	ng #	83
81) Benzo(a)anthracene	21.666	228	54635	4.447	ng	99
82) 3,3'-Dichlorobenzidine	21.578	252	20377	5.426	ng #	94
83) Chrysene	21.737	228	51010	4.390	ng	97
84) Bis(2-ethylhexyl)phtha...	21.566	149	19943	3.881	ng #	91
85) Di-n-octyl phthalate	22.777	149	34058	3.850	ng #	93
87) Indeno(1,2,3-cd)pyrene	28.629	276	65266	4.210	ng #	82
88) Benzo(b)fluoranthene	23.893	252	55355	4.530	ng #	97
89) Benzo(k)fluoranthene	23.964	252	55174	4.552	ng #	95
90) Benzo(a)pyrene	24.774	252	53416	5.109	ng #	98
91) Dibenzo(a,h)anthracene	28.687	278	56904	4.481	ng #	96
92) Benzo(g,h,i)perylene	29.786	276	56383	4.452	ng #	95

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

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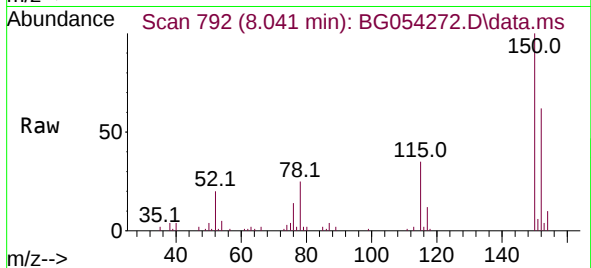
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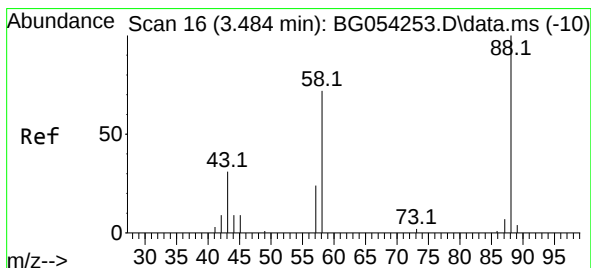
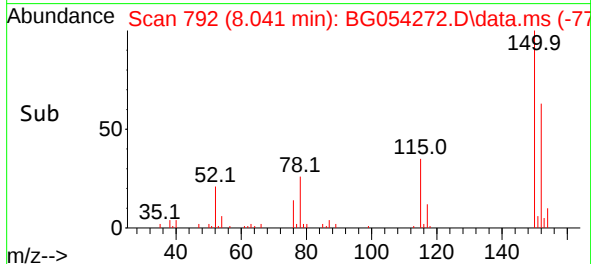
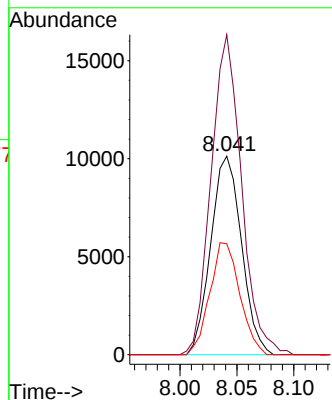


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.041 min Scan# 79
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

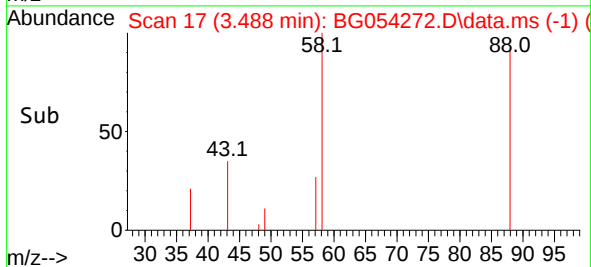
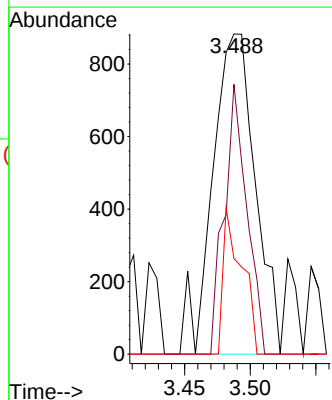
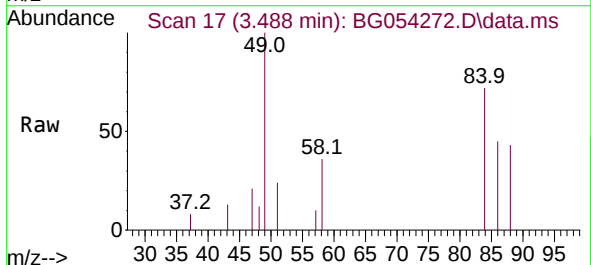


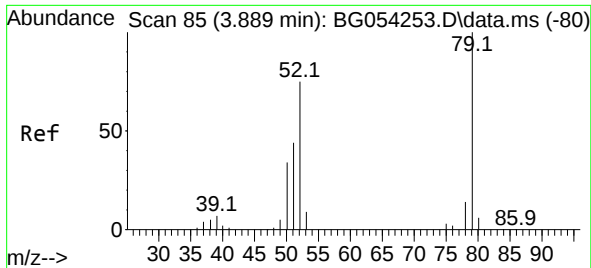
Tgt Ion:152 Resp: 19078
Ion Ratio Lower Upper
152 100
150 161.1 131.6 197.4
115 55.8 50.9 76.3



#2
1,4-Dioxane
Concen: 4.826 ng
RT: 3.488 min Scan# 17
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion: 88 Resp: 2004
Ion Ratio Lower Upper
88 100
58 44.6 59.2 88.8#
43 19.9 24.3 36.5#





#3

Pyridine

Concen: 5.337 ng

RT: 3.899 min Scan# 81

Delta R.T. 0.010 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

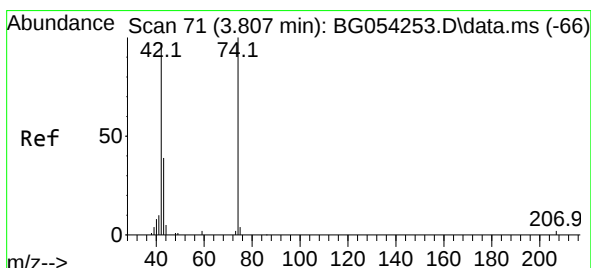
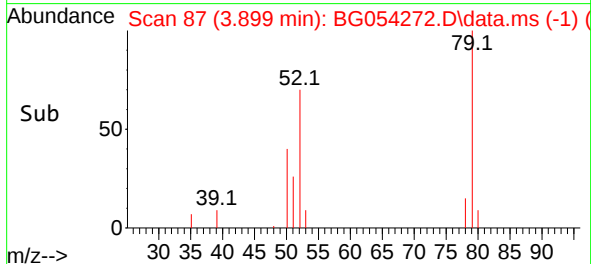
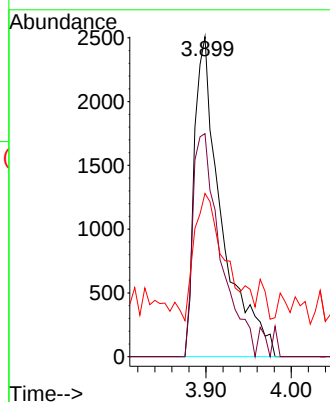
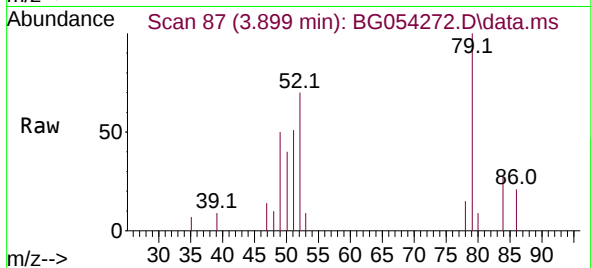
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion: 79	Resp: 5535
Ion Ratio	Lower Upper
79 100	
52 69.7	54.6 81.8
51 51.0	32.5 48.7#



#4

n-Nitrosodimethylamine

Concen: 3.905 ng

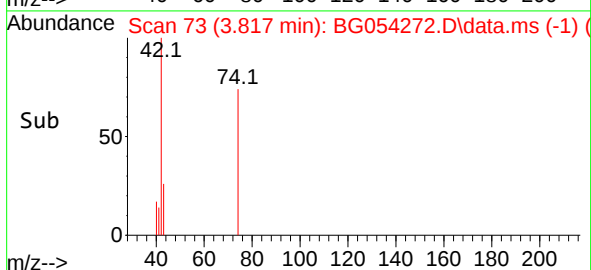
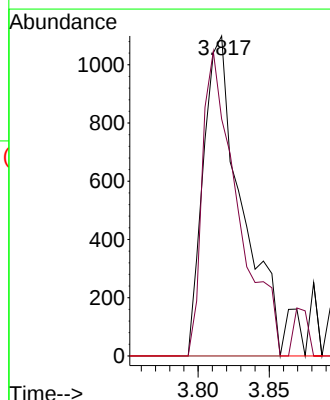
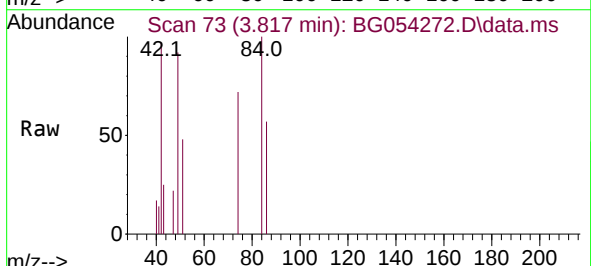
RT: 3.817 min Scan# 73

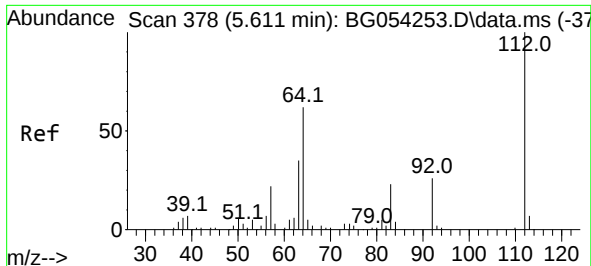
Delta R.T. 0.010 min

Lab File: BG054272.D

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Tgt Ion: 42	Resp: 2046
Ion Ratio	Lower Upper
42 100	
74 74.1	97.0 145.4#
44 0.0	7.0 10.4#

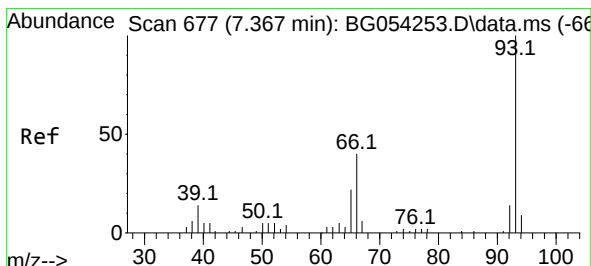
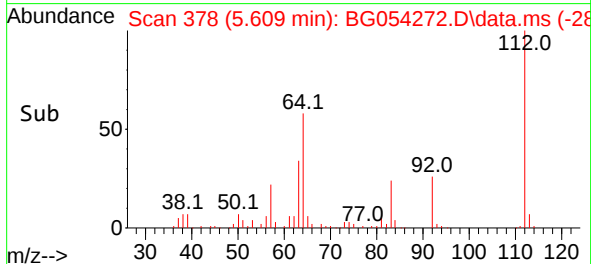
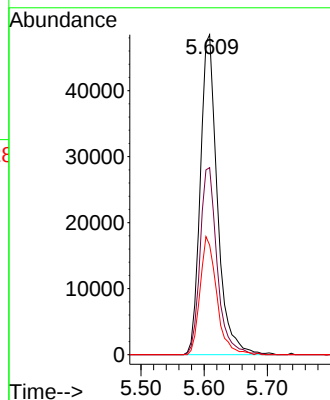
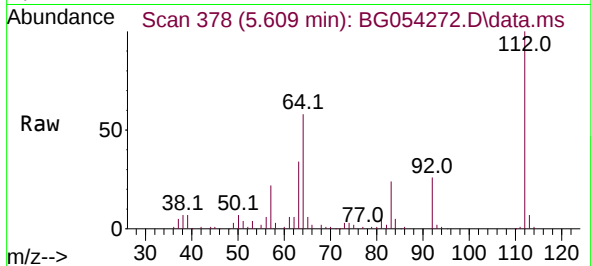




#5
2-Fluorophenol
Concen: 95.774 ng
RT: 5.609 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

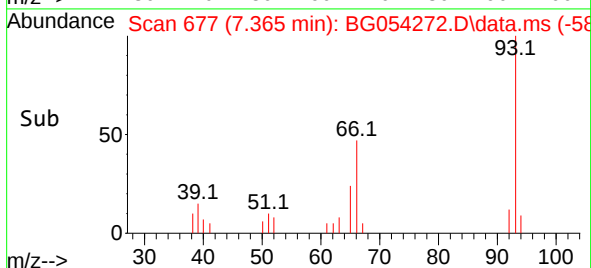
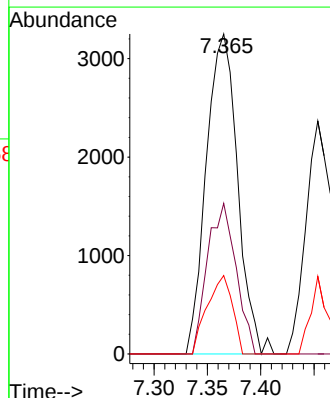
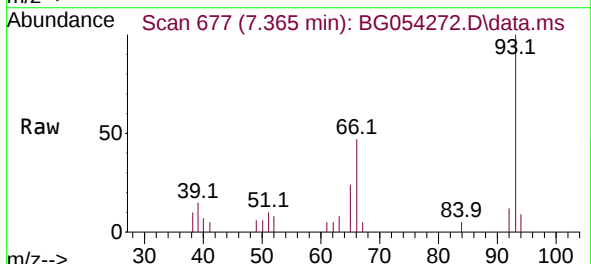
Instrument :
BNA_G
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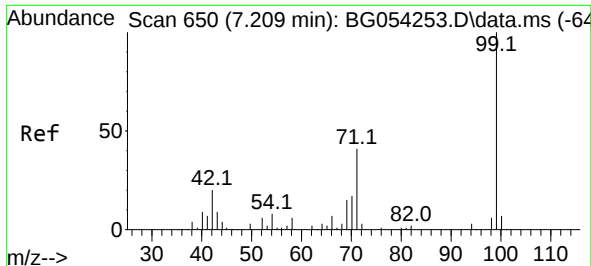
Tgt Ion:112 Resp: 90945
Ion Ratio Lower Upper
112 100
64 58.5 55.1 82.7
63 34.3 30.4 45.6



#6
Aniline
Concen: 4.310 ng
RT: 7.365 min Scan# 677
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion: 93 Resp: 6636
Ion Ratio Lower Upper
93 100
66 47.1 32.9 49.3
65 24.5 17.8 26.8

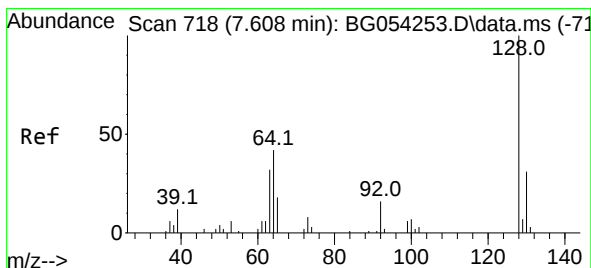
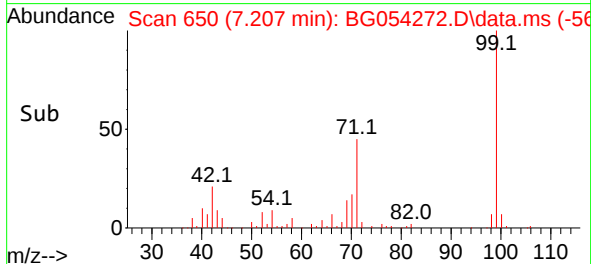
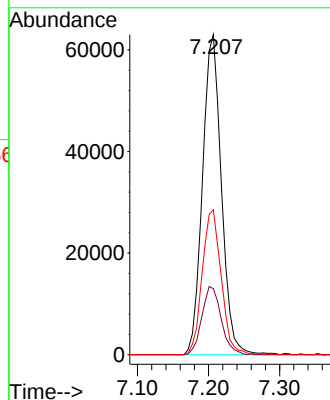
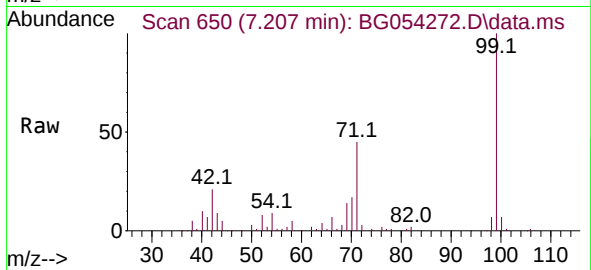




#7
Phenol-d6
Concen: 89.203 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

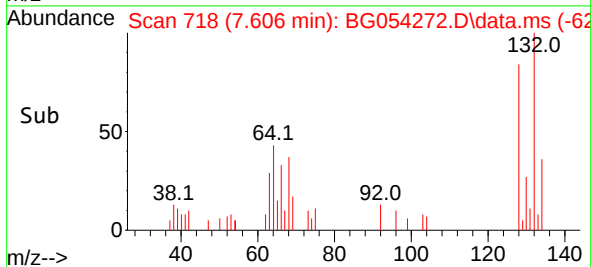
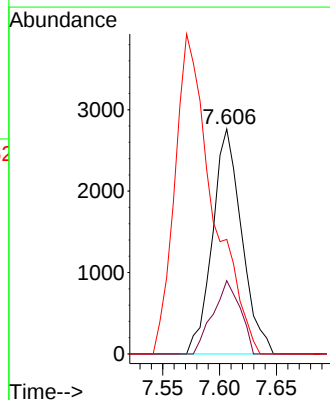
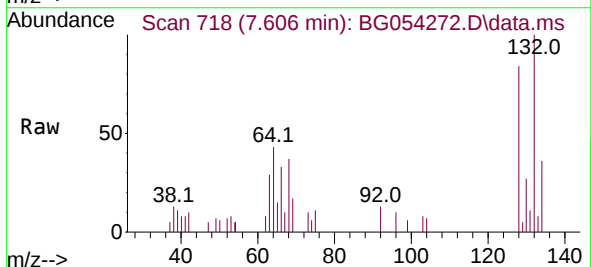
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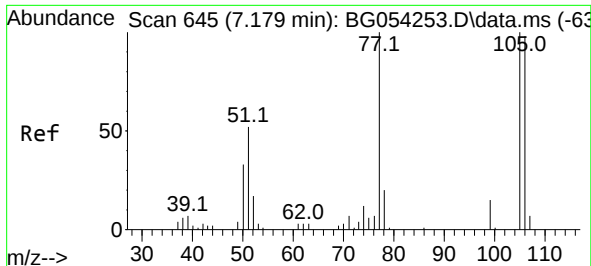
Tgt Ion: 99 Resp: 116830
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 45.3 33.8 50.8



#8
2-Chlorophenol
Concen: 4.644 ng
RT: 7.606 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:128 Resp: 4943
Ion Ratio Lower Upper
128 100
130 32.6 10.5 50.5
64 50.9 35.1 75.1

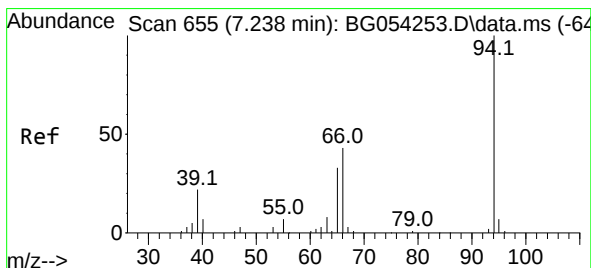
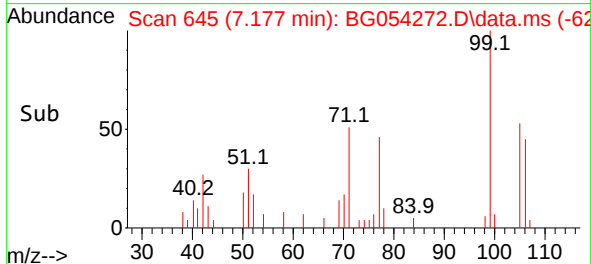
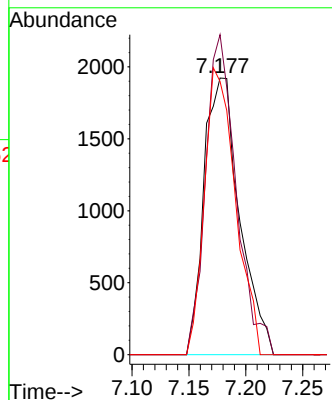
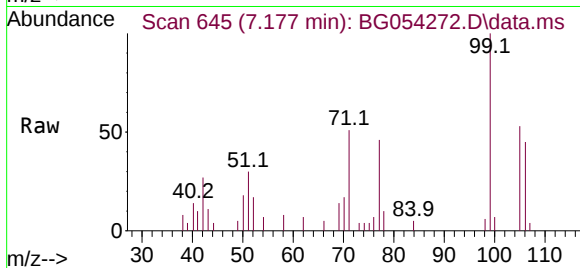




#9
Benzaldehyde
Concen: 5.322 ng
RT: 7.177 min Scan# 64
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

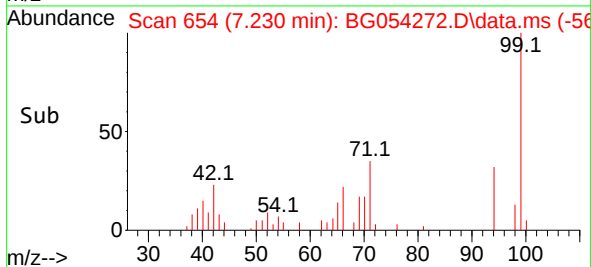
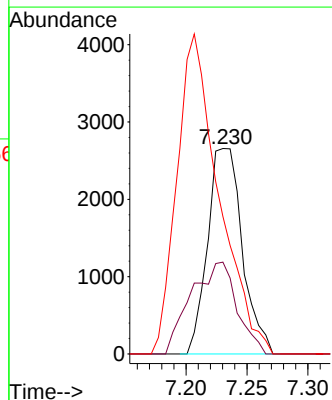
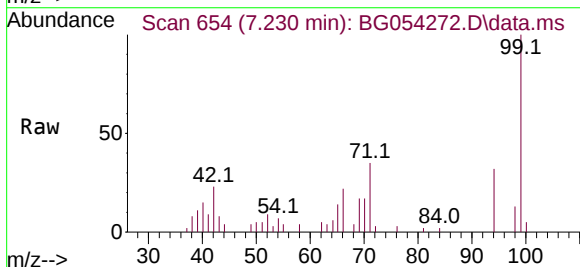
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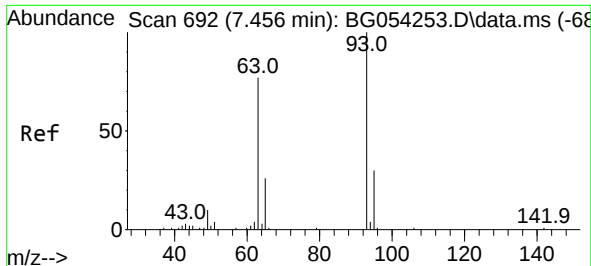
Tgt Ion: 77 Resp: 4186
Ion Ratio Lower Upper
77 100
105 115.7 59.6 99.6#
106 98.8 56.8 96.8#



#10
Phenol
Concen: 3.981 ng
RT: 7.230 min Scan# 654
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion: 94 Resp: 5260
Ion Ratio Lower Upper
94 100
65 44.7 14.8 54.8
66 66.9 25.2 65.2#

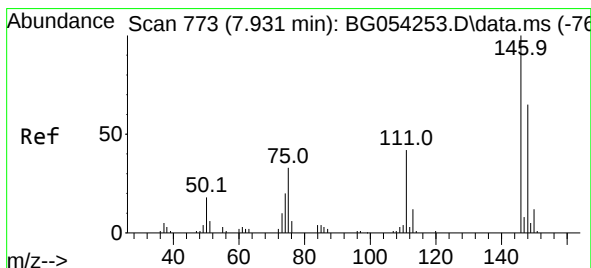
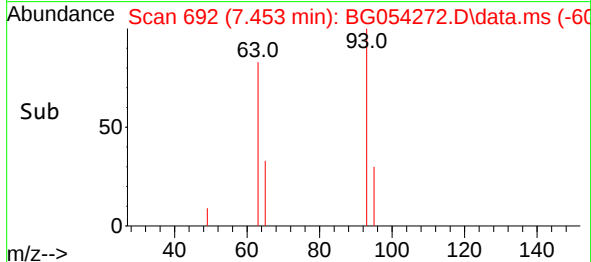
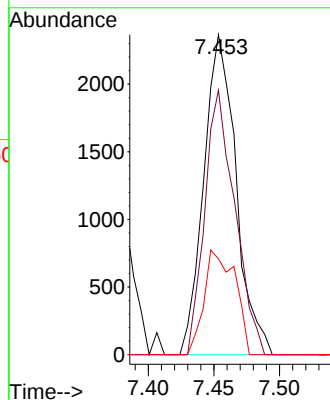
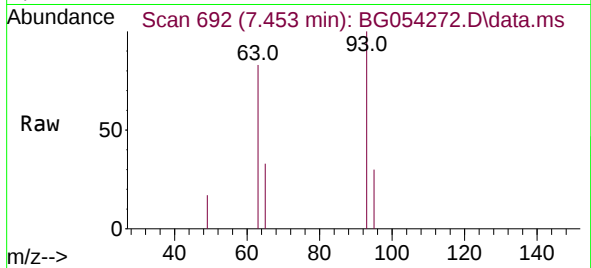




#11
bis(2-Chloroethyl)ether
Concen: 4.152 ng
RT: 7.453 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

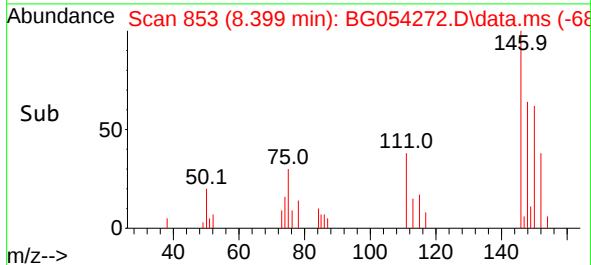
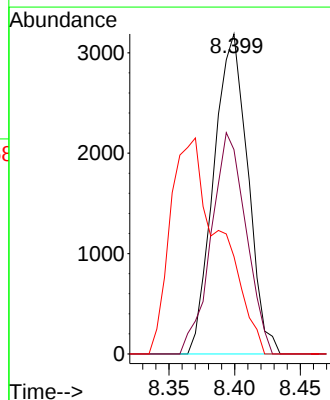
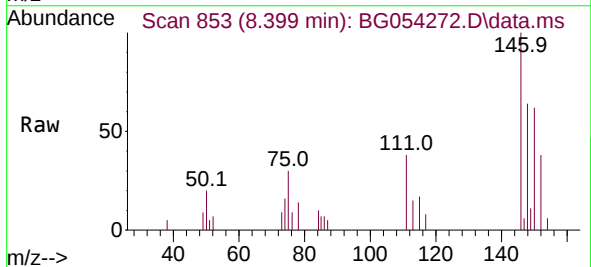
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

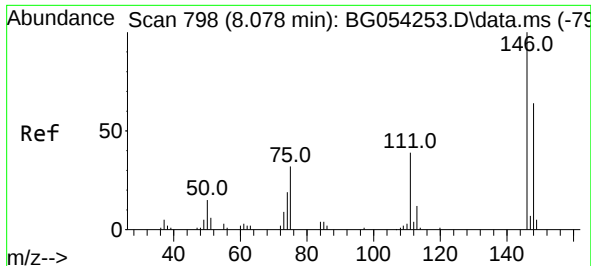
Tgt Ion: 93	Resp:	4046	
Ion	Ratio	Lower	Upper
93	100		
63	82.7	63.6	103.6
95	30.0	10.1	50.1



#12
1,3-Dichlorobenzene
Concen: 4.444 ng
RT: 8.399 min Scan# 853
Delta R.T. 0.468 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:146	Resp:	5743	
Ion	Ratio	Lower	Upper
146	100		
148	63.8	46.1	69.1
75	30.5	27.6	41.4





#13

1,4-Dichlorobenzene

Concen: 4.589 ng

RT: 8.076 min Scan# 798

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

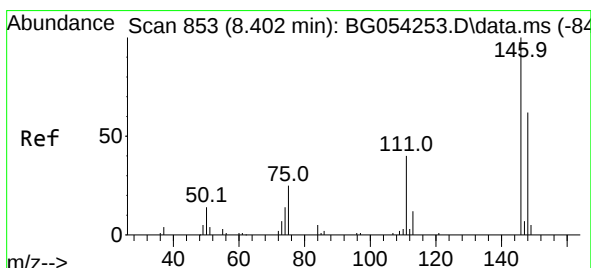
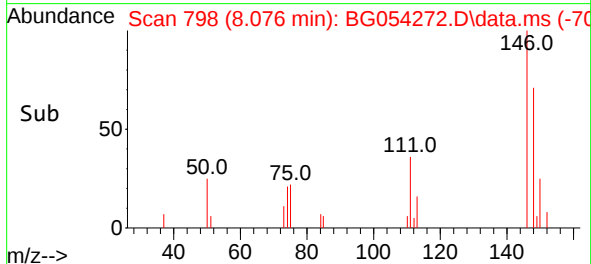
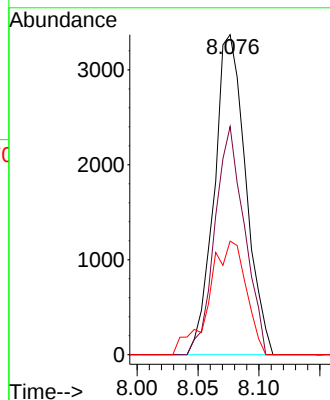
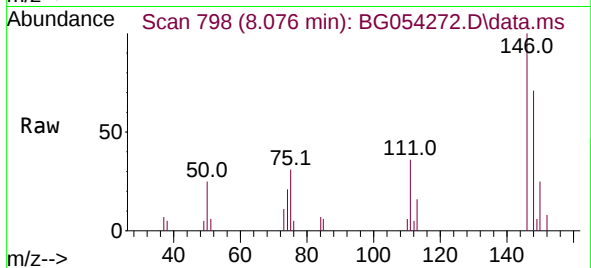
Tgt Ion:146 Resp: 6077

Ion Ratio Lower Upper

146 100

148 71.3 51.5 77.3

111 35.5 33.9 50.9



#14

1,2-Dichlorobenzene

Concen: 4.516 ng

RT: 8.399 min Scan# 853

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

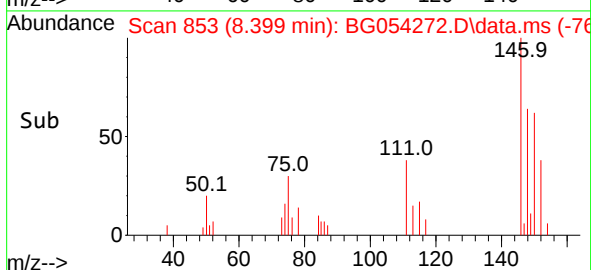
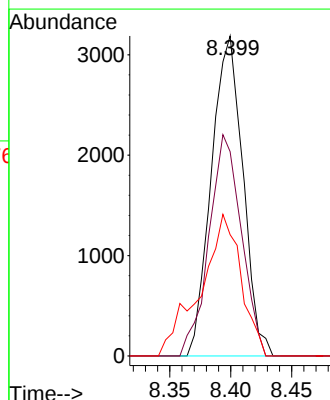
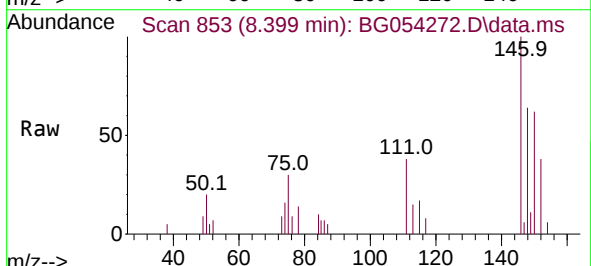
Tgt Ion:146 Resp: 5743

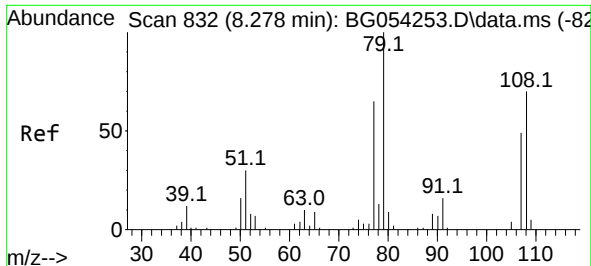
Ion Ratio Lower Upper

146 100

148 63.8 52.6 78.8

111 37.9 34.5 51.7

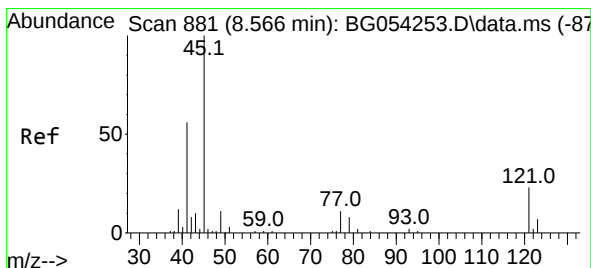
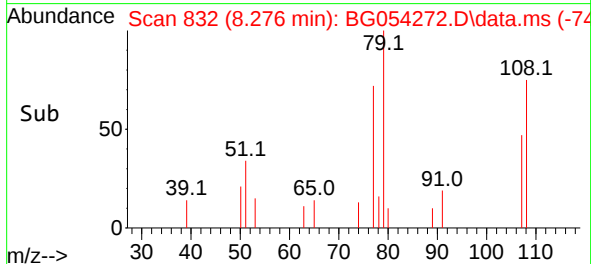
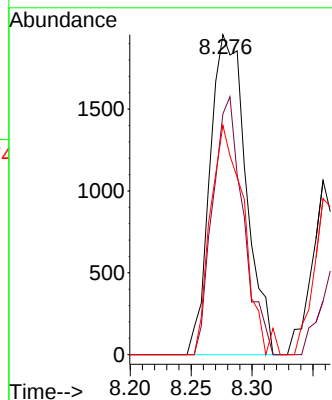
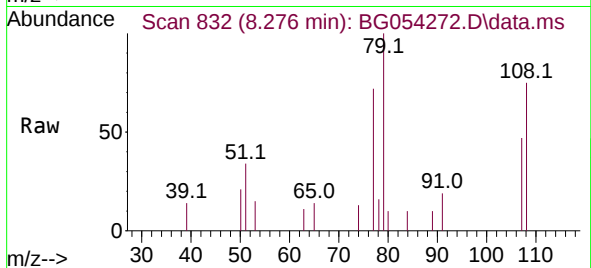




#15
Benzyl Alcohol
Concen: 3.806 ng
RT: 8.276 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

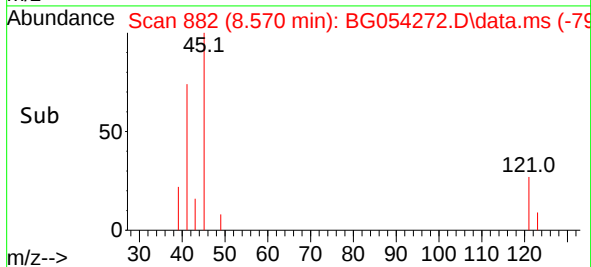
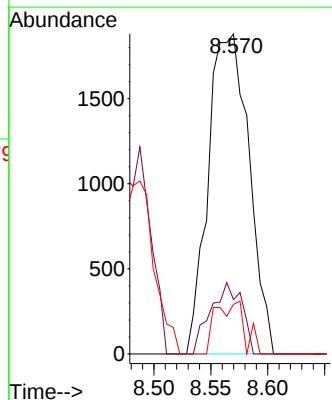
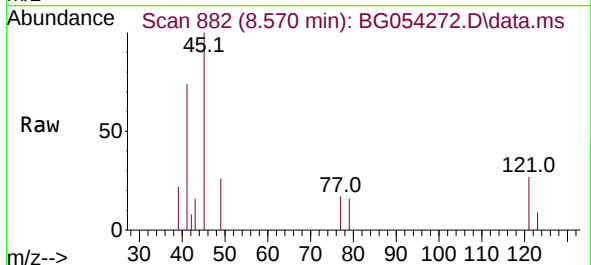
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

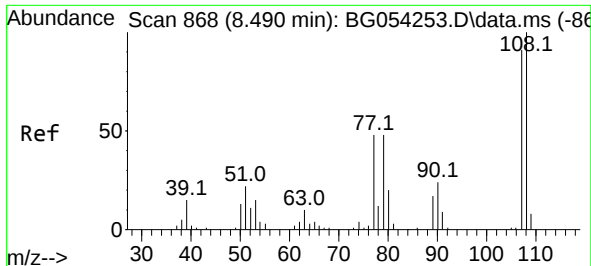
Tgt Ion:	79	Resp:	4018
Ion	Ratio	Lower	Upper
79	100		
108	75.3	53.7	80.5
77	71.7	52.2	78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.465 ng
RT: 8.570 min Scan# 882
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

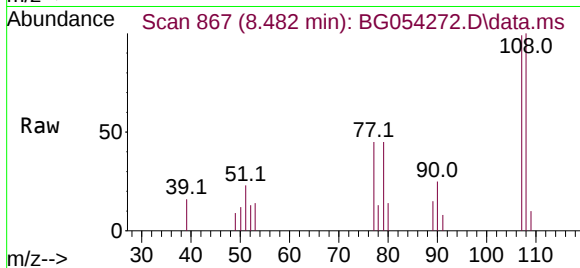
Tgt Ion:	45	Resp:	4689
Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	32.7
79	15.5	0.0	29.7



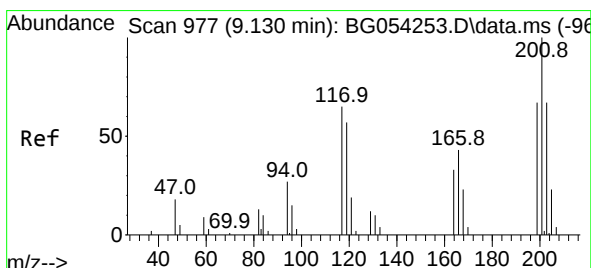
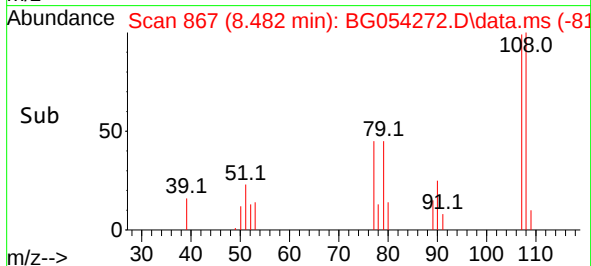
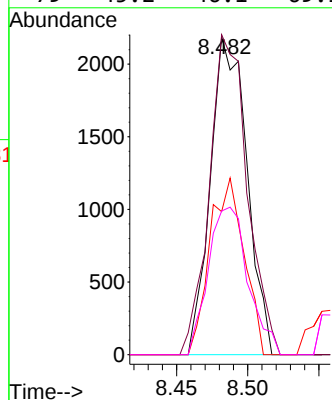


#17
2-Methylphenol
Concen: 4.129 ng
RT: 8.482 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

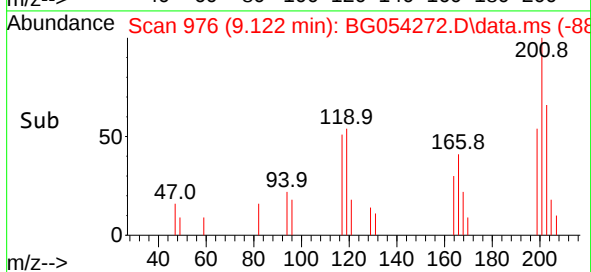
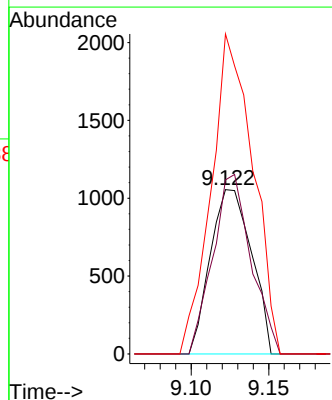
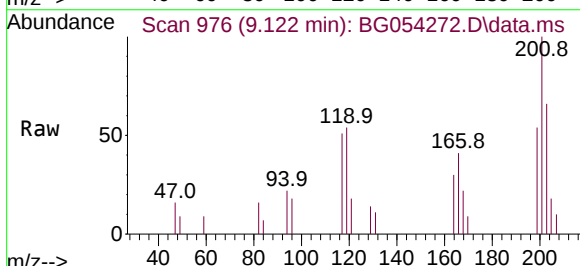


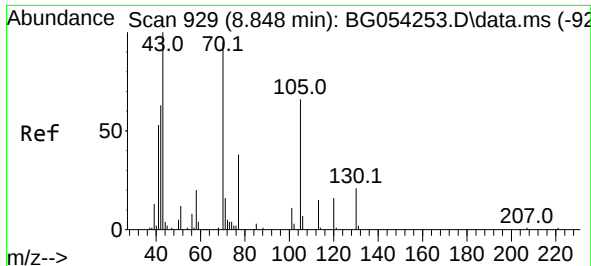
Tgt Ion:	107	Resp:	3898
Ion	Ratio	Lower	Upper
107	100		
108	100.6	85.4	128.0
77	45.0	46.2	69.2#
79	45.2	46.1	69.1#



#18
Hexachloroethane
Concen: 4.332 ng
RT: 9.122 min Scan# 976
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:	117	Resp:	1952
Ion	Ratio	Lower	Upper
117	100		
119	106.0	75.0	112.6
201	194.8	89.0	133.6#

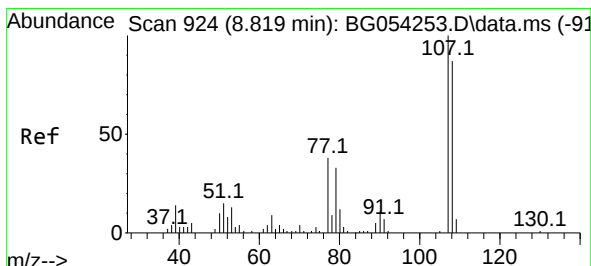
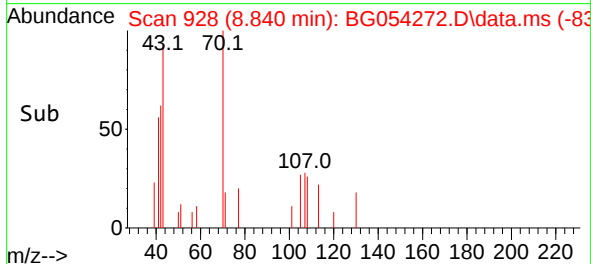
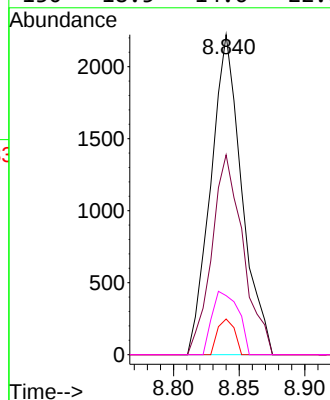
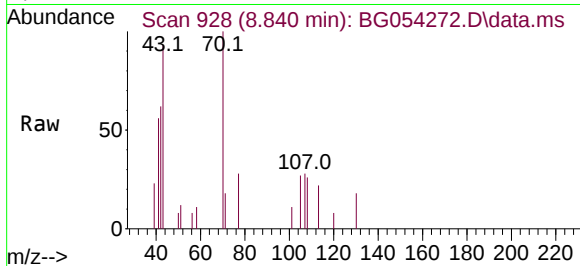




#19
n-Nitroso-di-n-propylamine
Concen: 4.081 ng
RT: 8.840 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

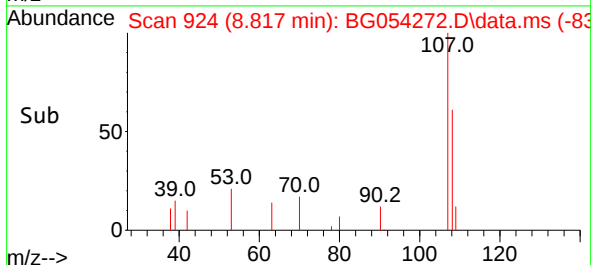
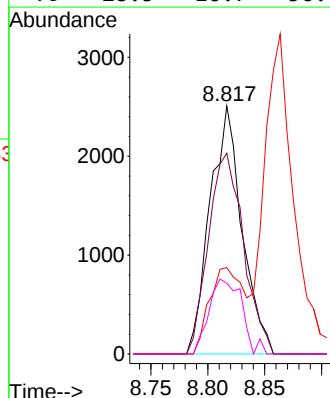
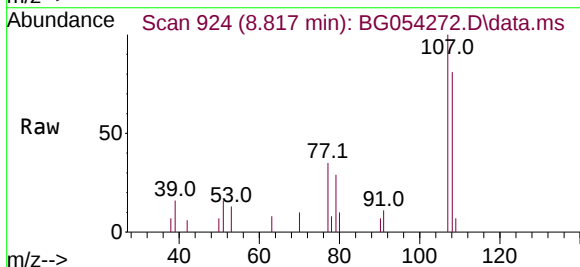
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

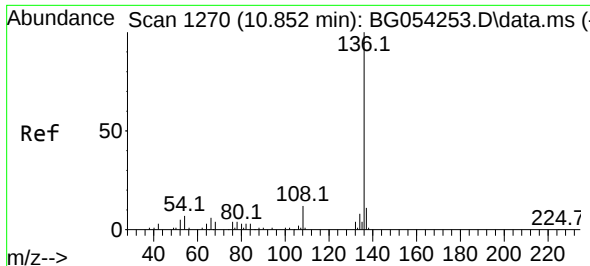
Tgt Ion:	70	Resp:	3649
Ion	Ratio	Lower	Upper
70	100		
42	62.5	47.3	70.9
101	11.2	7.0	10.4#
130	18.5	14.6	22.0



#20
3+4-Methylphenols
Concen: 3.712 ng
RT: 8.817 min Scan# 924
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:	107	Resp:	4917
Ion	Ratio	Lower	Upper
107	100		
108	81.0	67.5	107.5
77	34.8	20.3	60.3
79	28.5	16.7	56.7

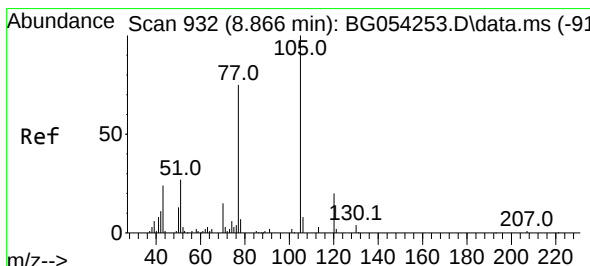
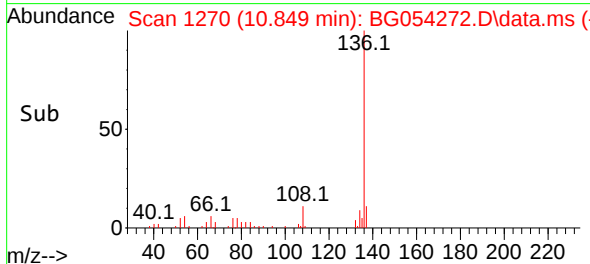
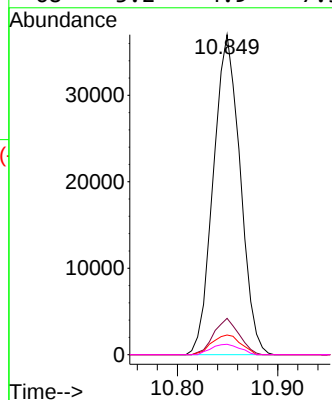
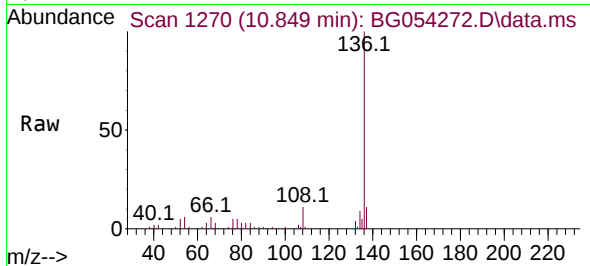




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.849 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

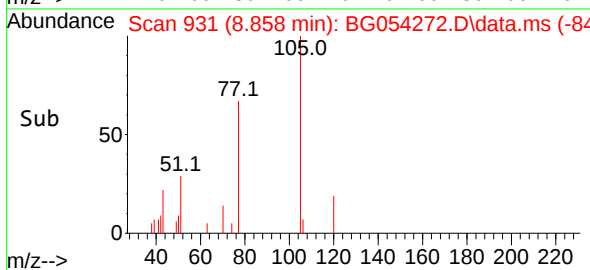
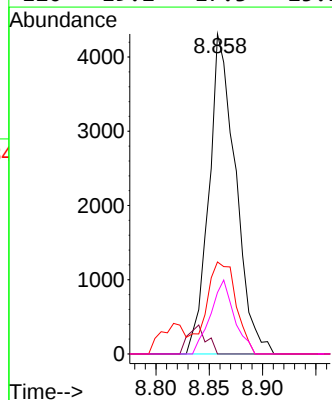
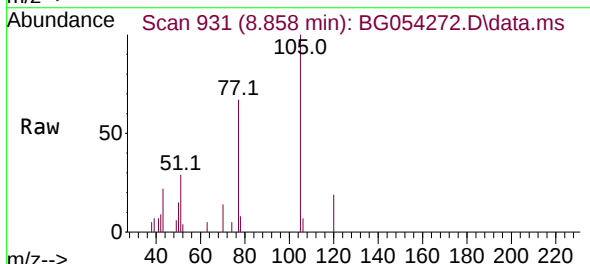
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

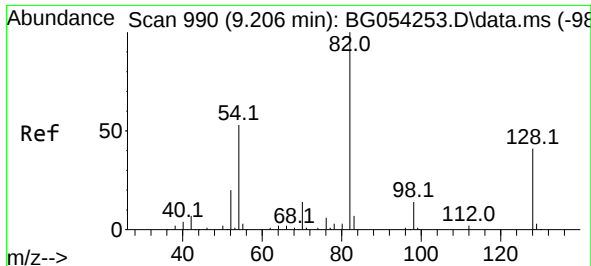
Tgt Ion:	136	Resp:	68667
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	6.2	7.4	11.2#
68	3.2	4.9	7.3#



#22
Acetophenone
Concen: 4.510 ng
RT: 8.858 min Scan# 931
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:	105	Resp:	7484
Ion Ratio	Lower	Upper	
105	100		
71	0.0	1.1	1.7#
51	28.8	25.4	38.0
120	19.2	17.3	25.9

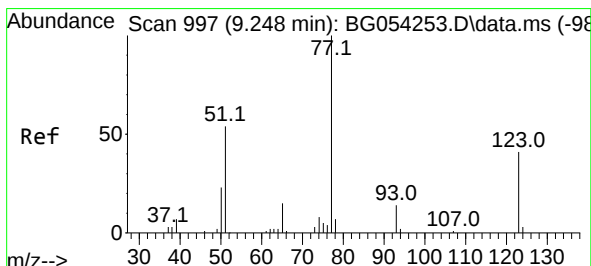
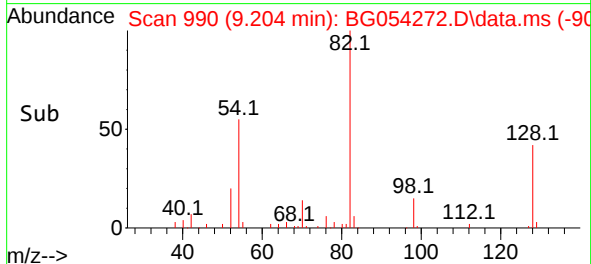
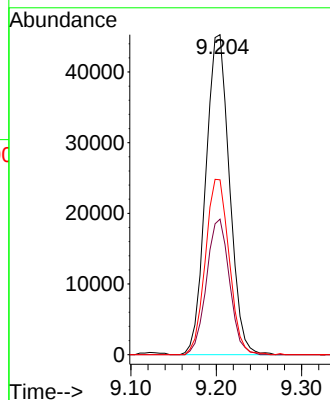
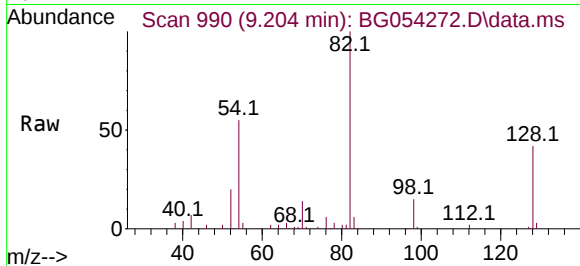




#23
Nitrobenzene-d5
Concen: 68.987 ng
RT: 9.204 min Scan# 990
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

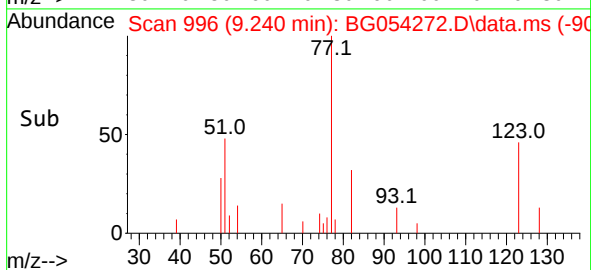
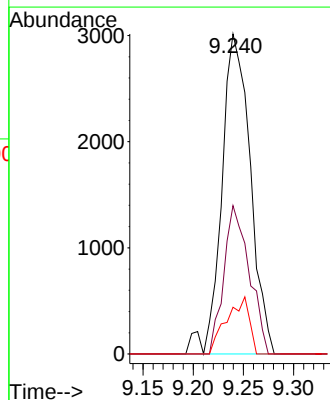
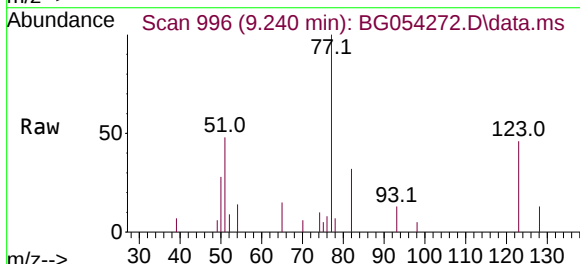
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

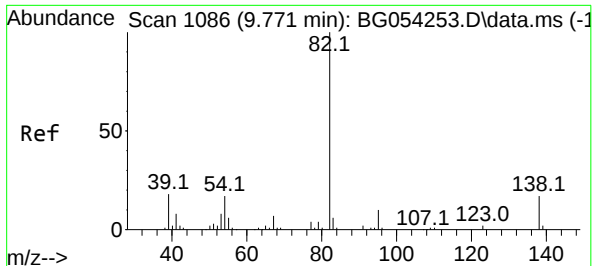
Tgt Ion: 82 Resp: 87294
Ion Ratio Lower Upper
82 100
128 42.4 27.9 41.9#
54 54.6 41.2 61.8



#24
Nitrobenzene
Concen: 4.800 ng
RT: 9.240 min Scan# 996
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion: 77 Resp: 5971
Ion Ratio Lower Upper
77 100
123 46.4 27.4 41.0#
65 14.6 11.4 17.0

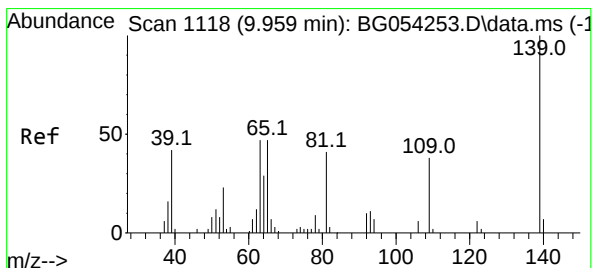
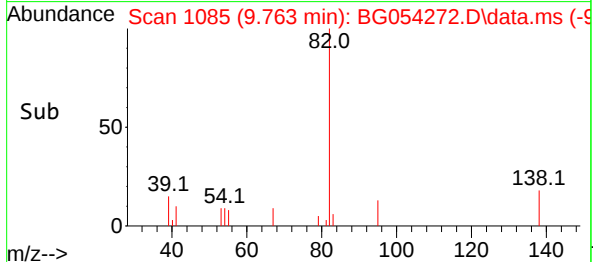
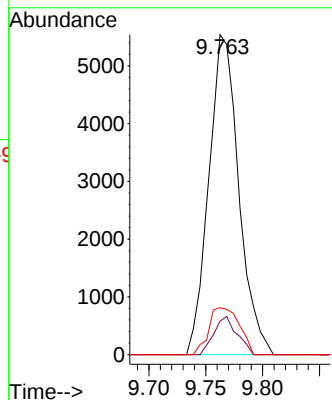
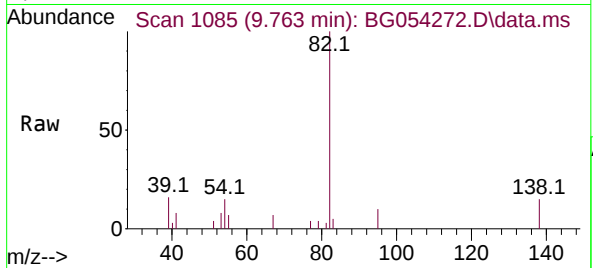




#25
Isophorone
Concen: 4.433 ng
RT: 9.763 min Scan# 1085
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

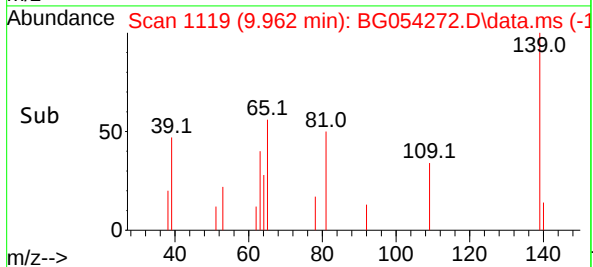
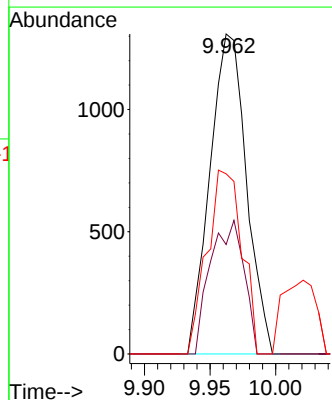
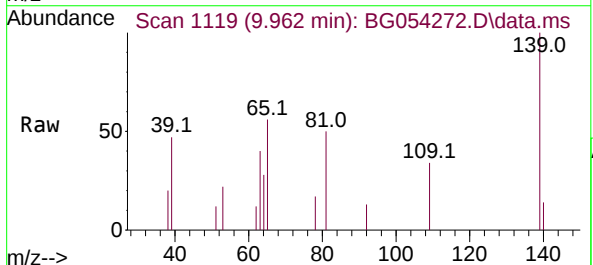
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2022

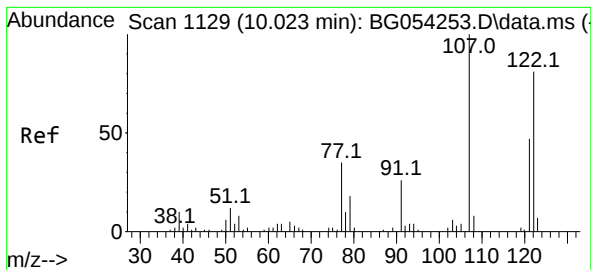
Tgt Ion: 82 Resp: 10148
Ion Ratio Lower Upper
82 100
95 10.4 6.2 9.4#
138 14.7 11.6 17.4



#26
2-Nitrophenol
Concen: 4.133 ng
RT: 9.962 min Scan# 1119
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:139 Resp: 2533
Ion Ratio Lower Upper
139 100
109 34.2 36.1 54.1#
65 56.3 55.8 83.6





#27

2,4-Dimethylphenol

Concen: 5.143 ng

RT: 10.021 min Scan# 1129

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

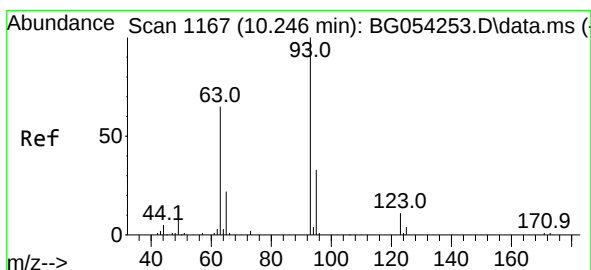
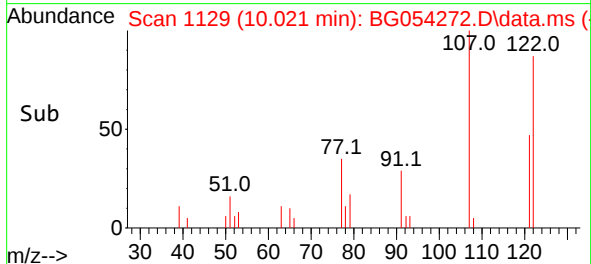
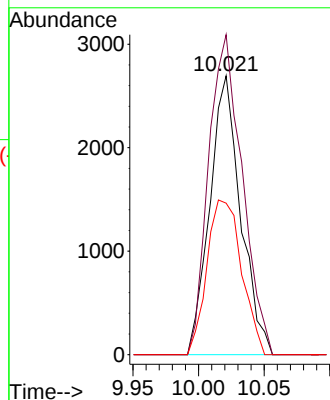
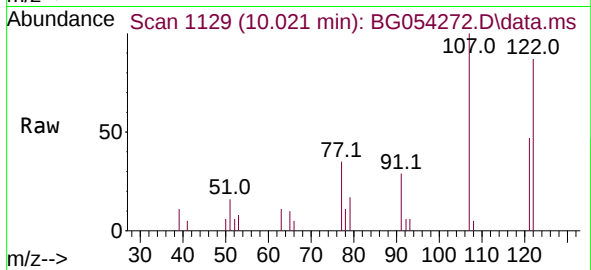
Tgt Ion:122 Resp: 4409

Ion Ratio Lower Upper

122 100

107 114.8 109.4 164.0

121 54.3 48.7 73.1



#28

bis(2-Chloroethoxy)methane

Concen: 4.595 ng

RT: 10.244 min Scan# 1167

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

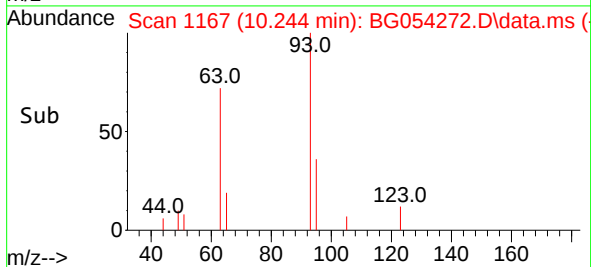
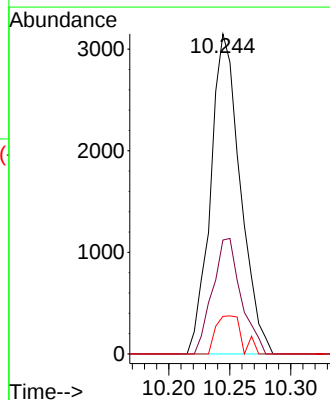
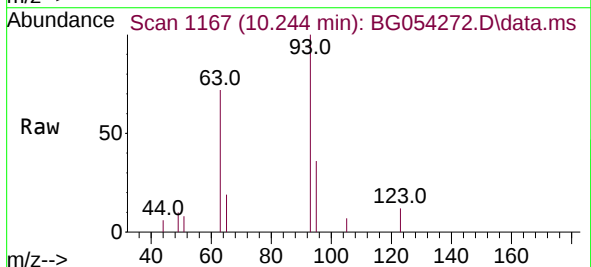
Tgt Ion: 93 Resp: 5354

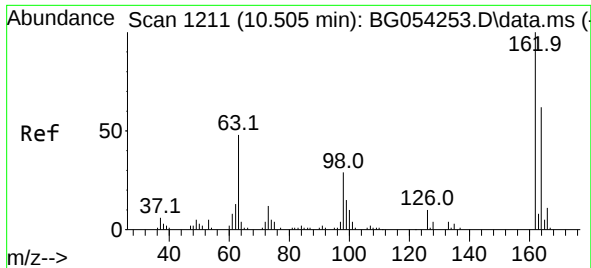
Ion Ratio Lower Upper

93 100

95 35.6 26.9 40.3

123 11.7 7.7 11.5#

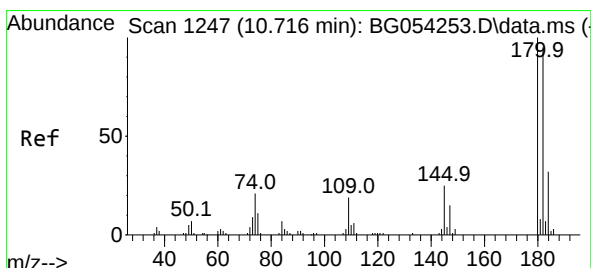
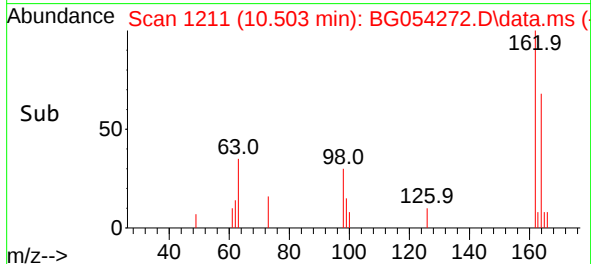
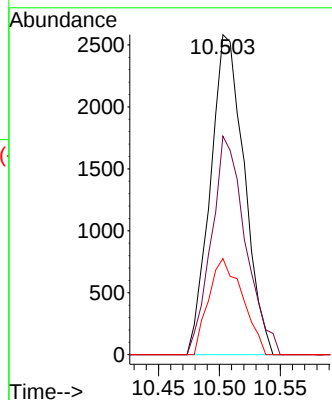
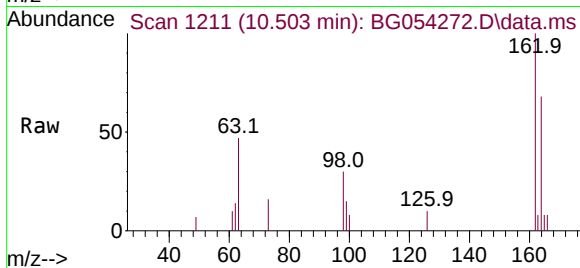




#29
2,4-Dichlorophenol
Concen: 4.011 ng
RT: 10.503 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

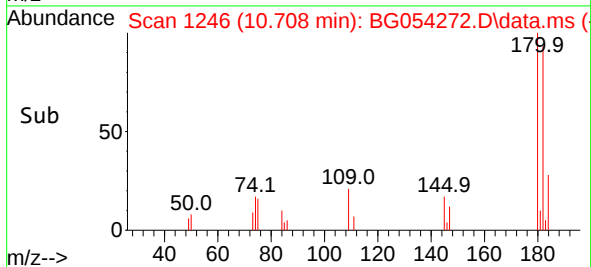
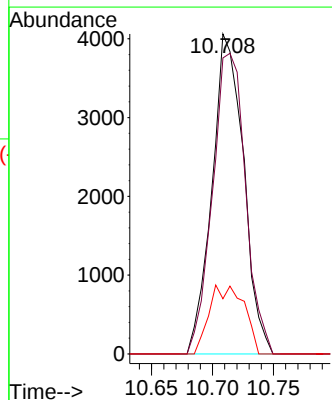
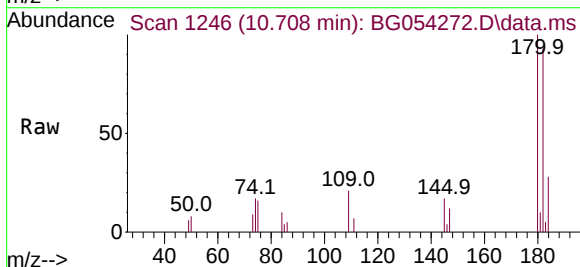
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

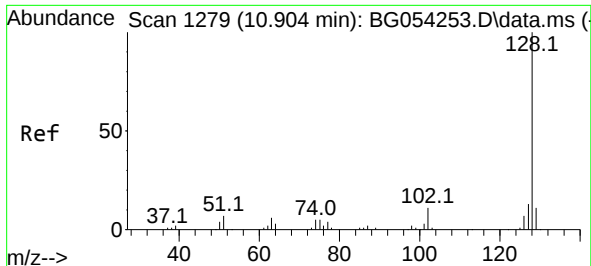
Tgt Ion:	162	Resp:	4983
Ion Ratio	Lower	Upper	
162	100		
164	68.3	46.6	86.6
98	30.1	22.8	62.8



#30
1,2,4-Trichlorobenzene
Concen: 4.752 ng
RT: 10.708 min Scan# 1246
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:	180	Resp:	7285
Ion Ratio	Lower	Upper	
180	100		
182	92.5	76.6	115.0
145	17.3	25.0	37.4#

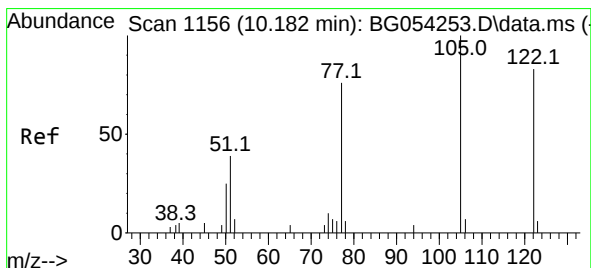
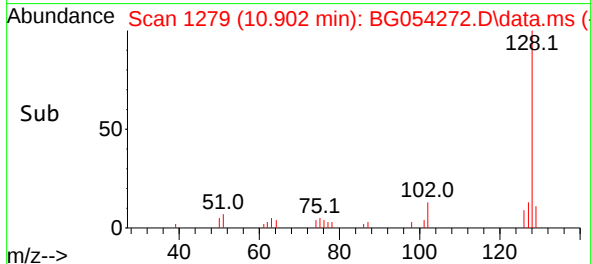
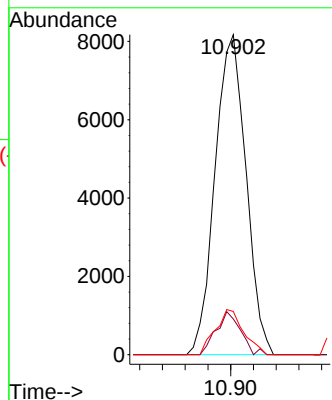
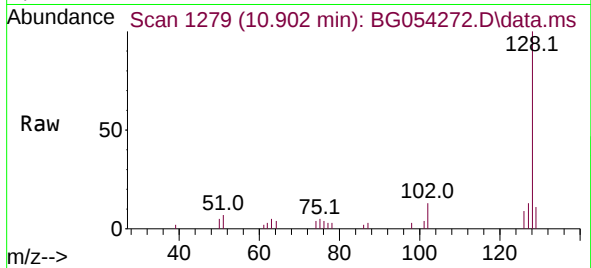




#31
Naphthalene
Concen: 4.473 ng
RT: 10.902 min Scan# 1155
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

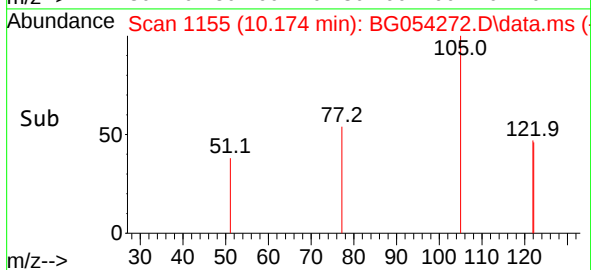
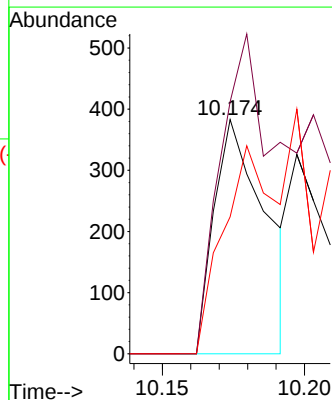
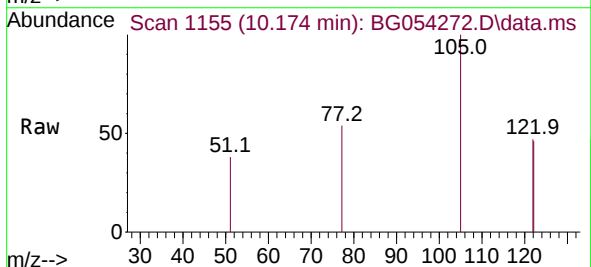
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

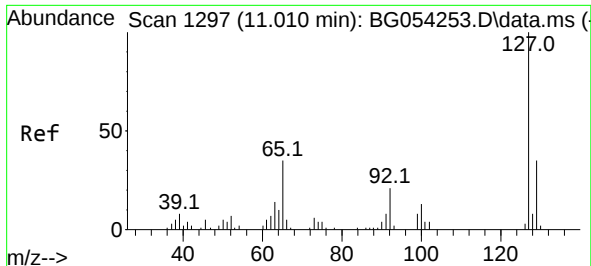
Tgt Ion:128 Resp: 15446
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 11.1 16.7



#32
Benzoic acid
Concen: 1.365 ng
RT: 10.174 min Scan# 1155
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:122 Resp: 476
Ion Ratio Lower Upper
122 100
105 107.6 111.8 151.8#
77 58.5 109.4 149.4#

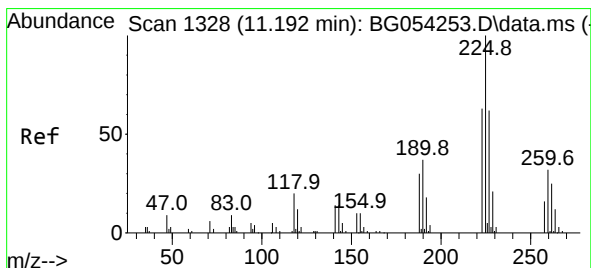
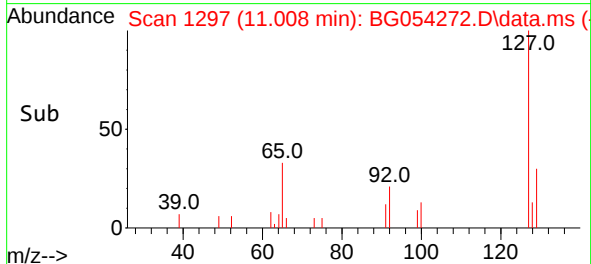
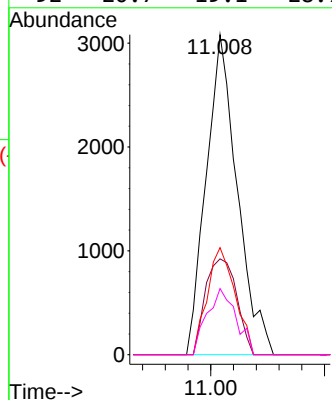
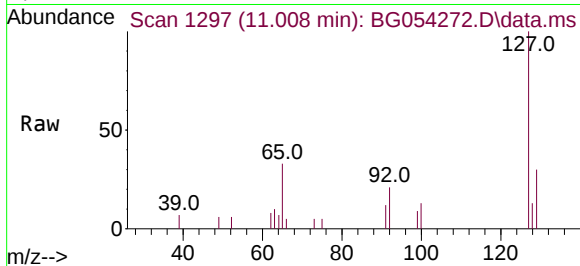




#33
4-Chloroaniline
Concen: 4.064 ng
RT: 11.008 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

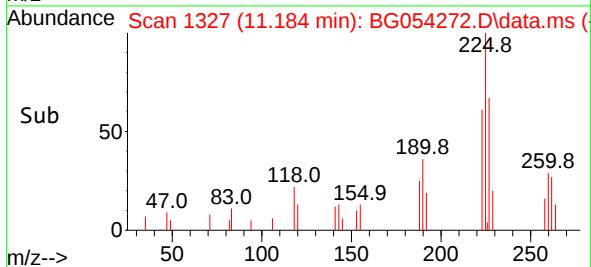
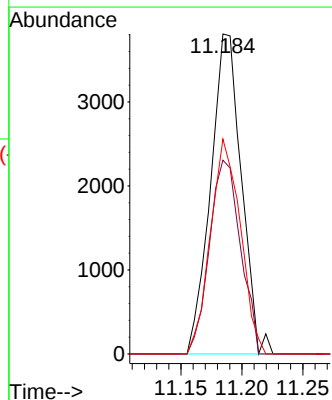
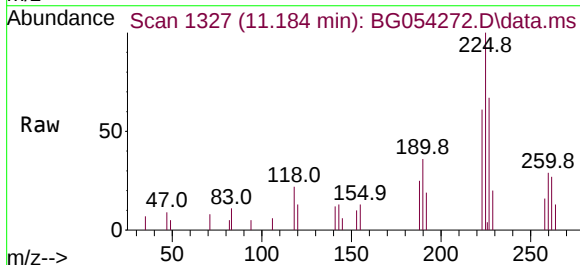
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

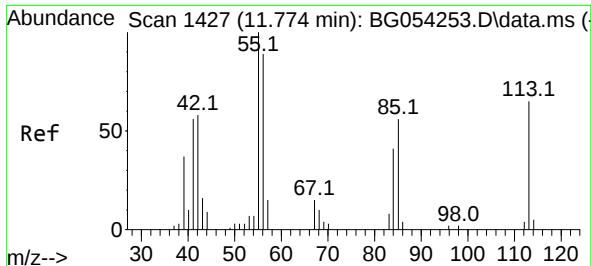
Tgt Ion:127	Resp:	5836
Ion	Ratio	Lower Upper
127	100	
129	29.9	26.3 39.5
65	33.5	31.1 46.7
92	20.7	19.1 28.7



#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 11.184 min Scan# 1327
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:225	Resp:	6667
Ion	Ratio	Lower Upper
225	100	
223	60.5	48.9 73.3
227	67.2	52.8 79.2

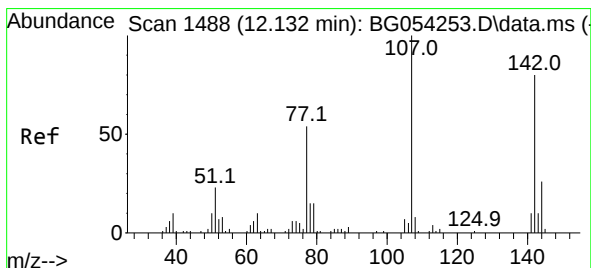
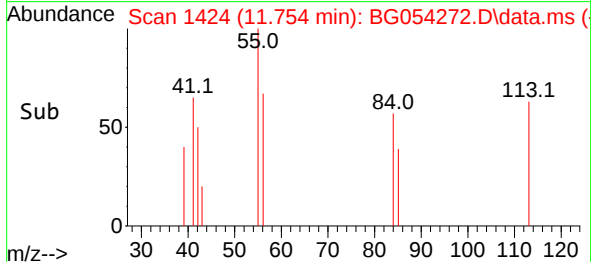
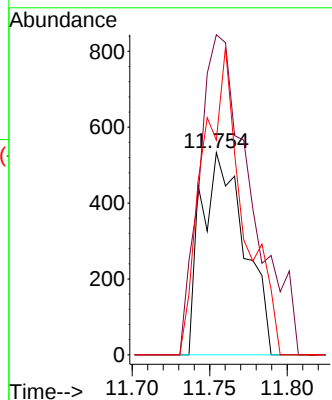
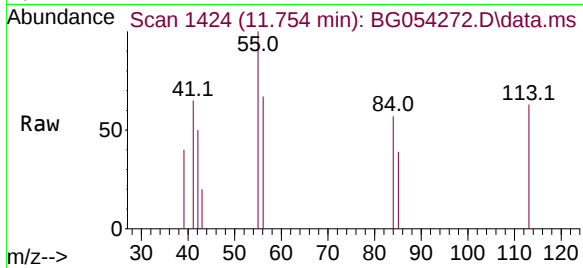




#35
Caprolactam
Concen: 2.922 ng
RT: 11.754 min Scan# 1427
Delta R.T. -0.020 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

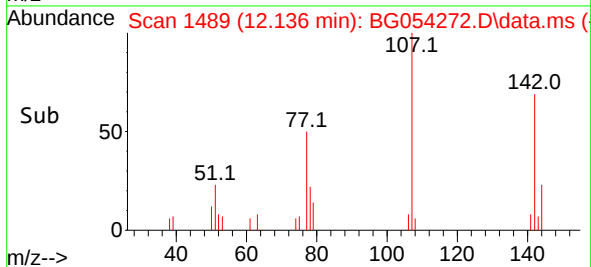
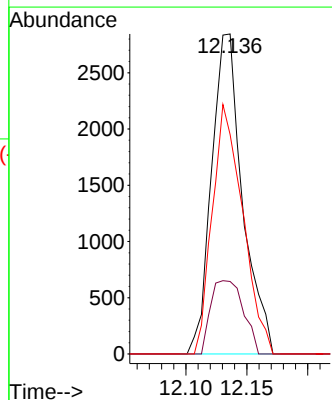
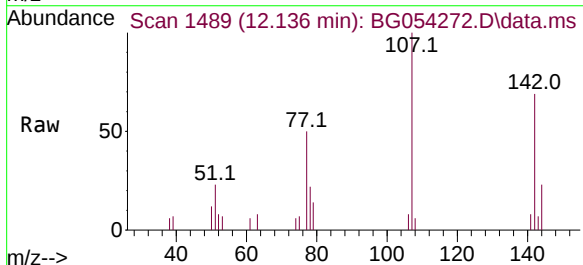
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

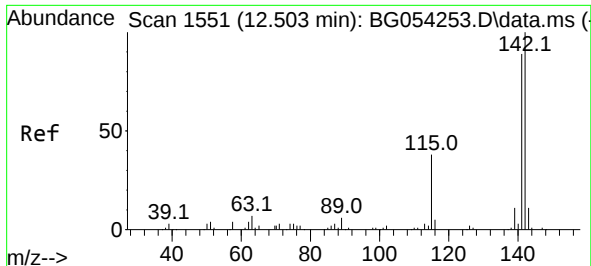
Tgt Ion:113 Resp: 1034
Ion Ratio Lower Upper
113 100
55 158.3 169.8 209.8#
56 106.2 141.2 181.2#



#36
4-Chloro-3-methylphenol
Concen: 4.210 ng
RT: 12.136 min Scan# 1489
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:107 Resp: 5032
Ion Ratio Lower Upper
107 100
144 22.6 18.5 27.7
142 68.6 55.0 82.4

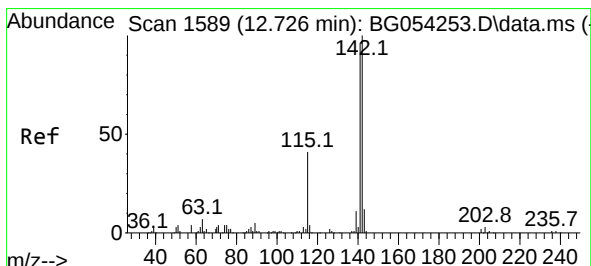
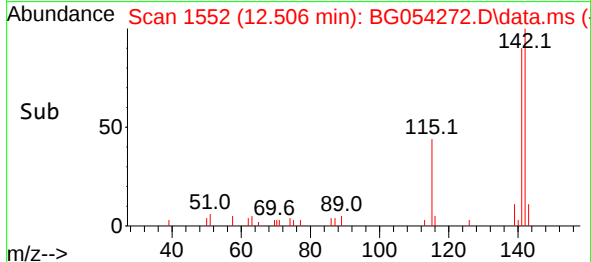
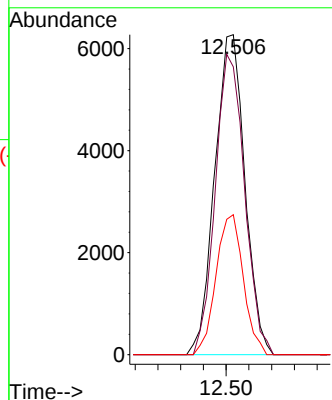
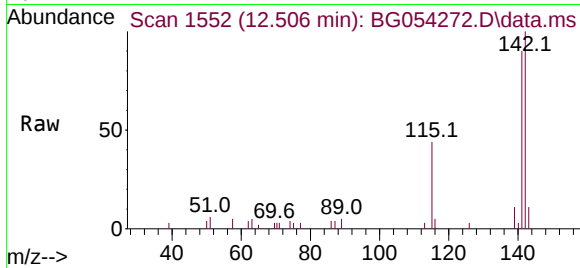




#37
2-Methylnaphthalene
Concen: 4.364 ng
RT: 12.506 min Scan# 11549
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

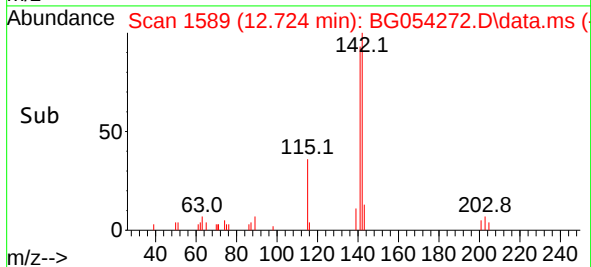
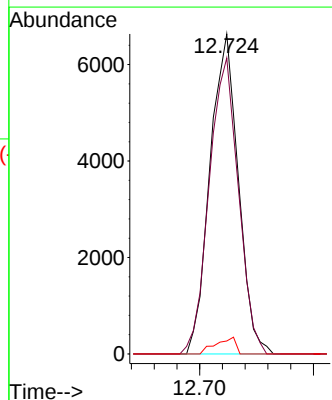
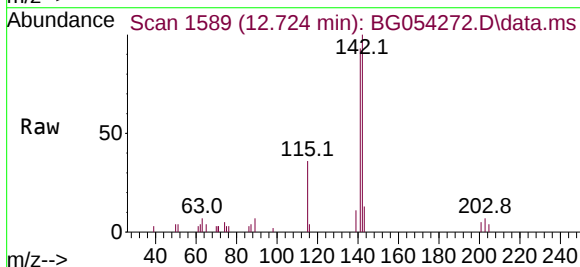
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

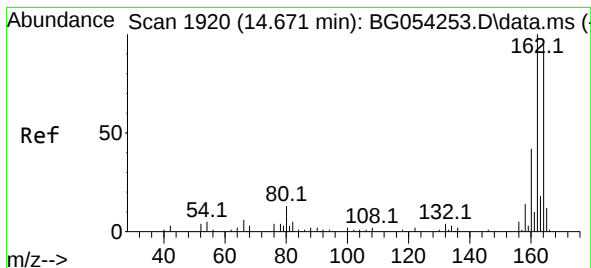
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.3	108.5
115	43.7	33.7	50.5



#38
1-Methylnaphthalene
Concen: 4.469 ng
RT: 12.724 min Scan# 1589
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	76.4	114.6
116	4.0	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.669 min Scan# 1920

Delta R.T. -0.002 min

Lab File: BG054272.D

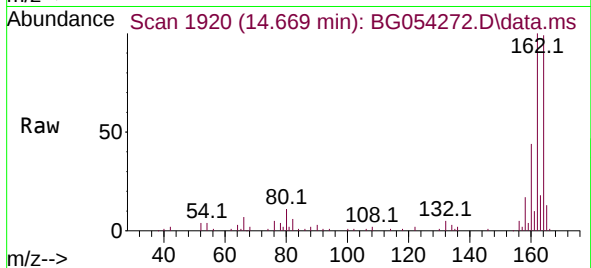
Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022



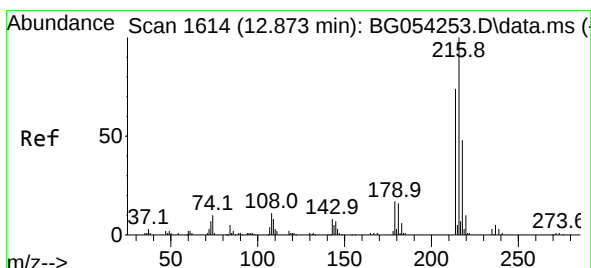
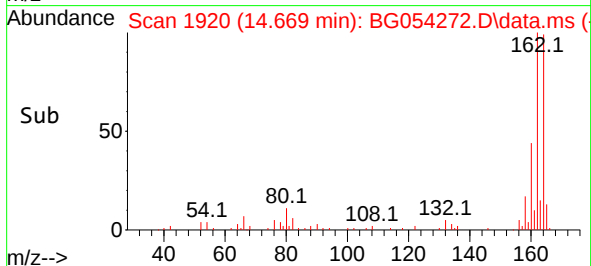
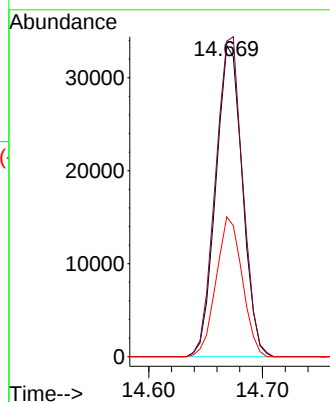
Tgt Ion:164 Resp: 54354

Ion Ratio Lower Upper

164 100

162 101.4 82.3 123.5

160 45.0 34.2 51.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.351 ng

RT: 12.871 min Scan# 1614

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Tgt Ion:216 Resp: 11806

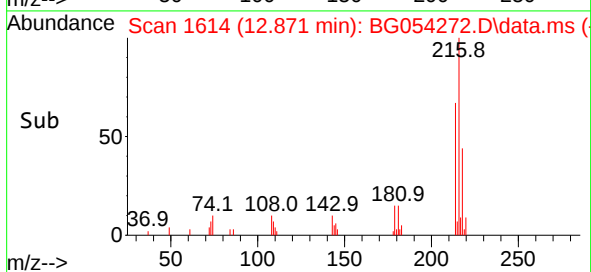
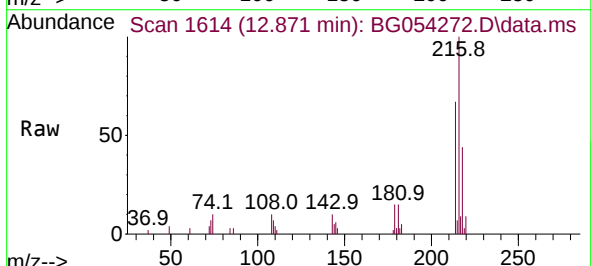
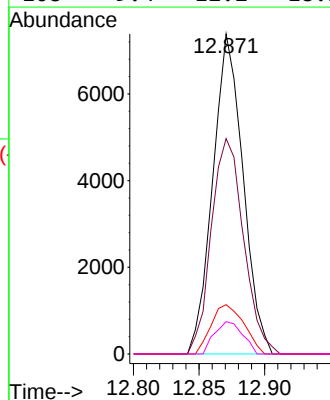
Ion Ratio Lower Upper

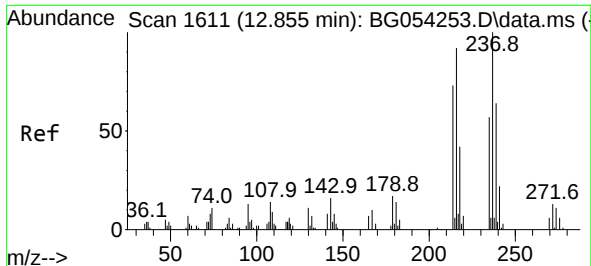
216 100

214 71.9 62.9 94.3

179 16.7 16.1 24.1

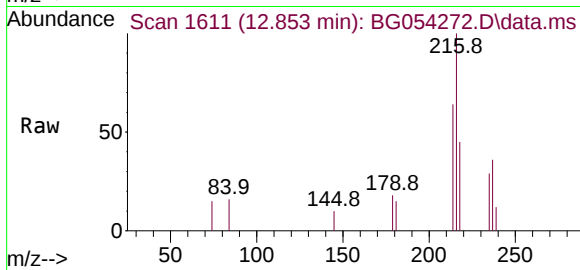
108 9.4 12.2 18.2#



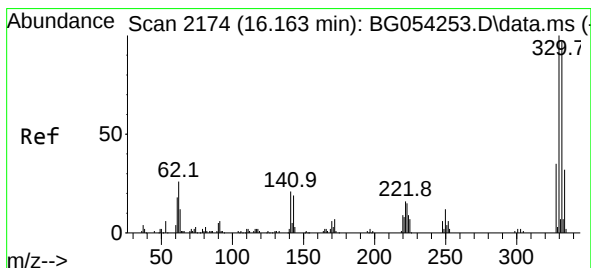
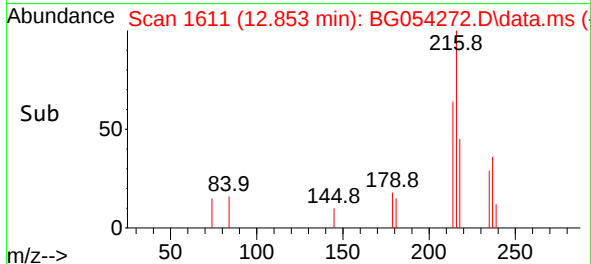
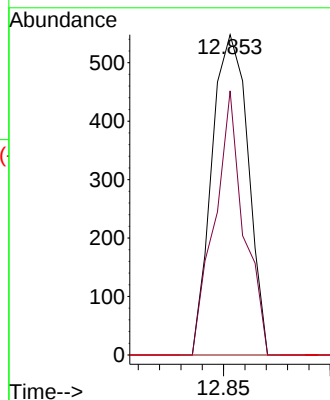


#41
Hexachlorocyclopentadiene
Concen: 1.174 ng
RT: 12.853 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

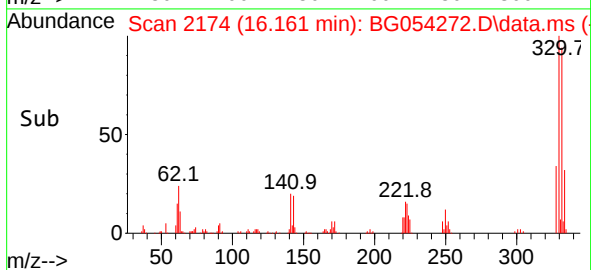
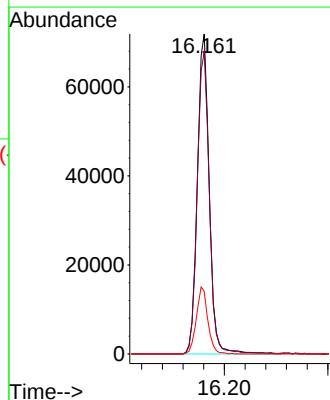
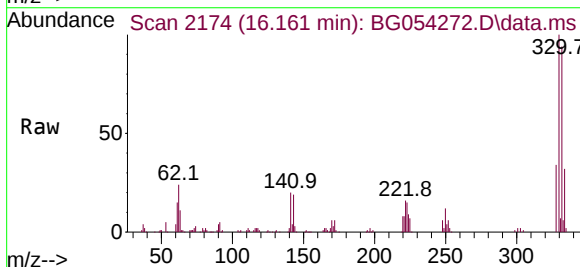


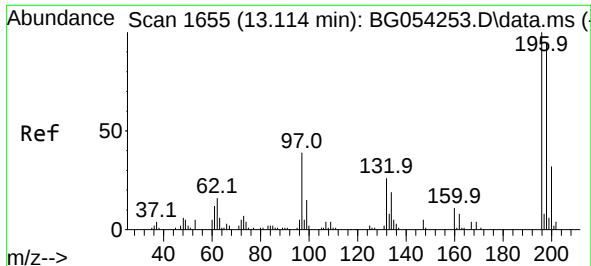
Tgt Ion:237 Resp: 648
Ion Ratio Lower Upper
237 100
235 82.5 43.5 83.5
272 0.0 0.0 30.1



#42
2,4,6-Tribromophenol
Concen: 108.941 ng
RT: 16.161 min Scan# 2174
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:330 Resp: 114703
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.2 27.1 40.7#

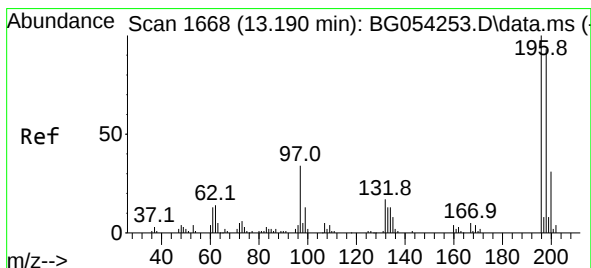
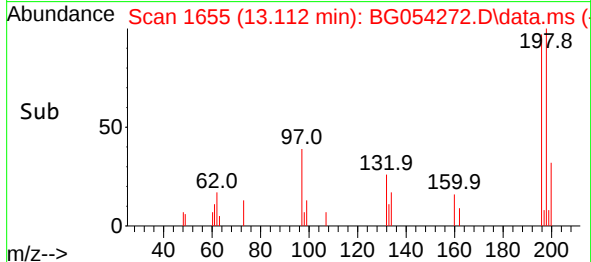
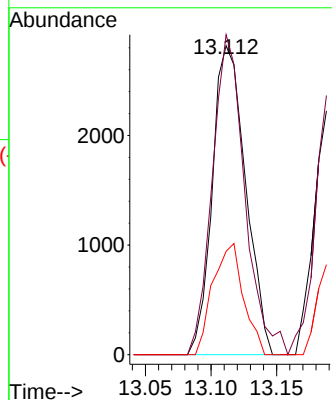
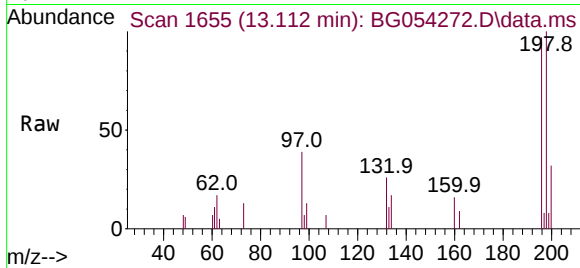




#43
 2,4,6-Trichlorophenol
 Concen: 3.924 ng
 RT: 13.112 min Scan# 1655
 Delta R.T. -0.002 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

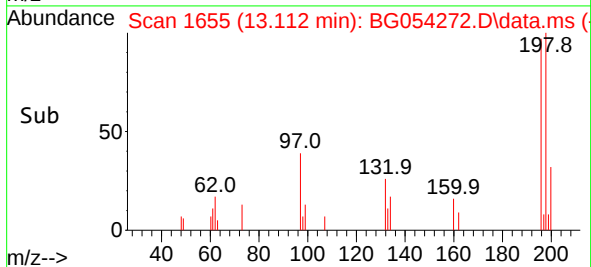
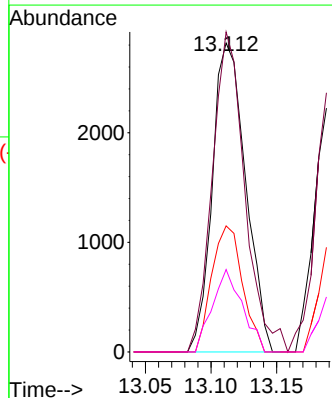
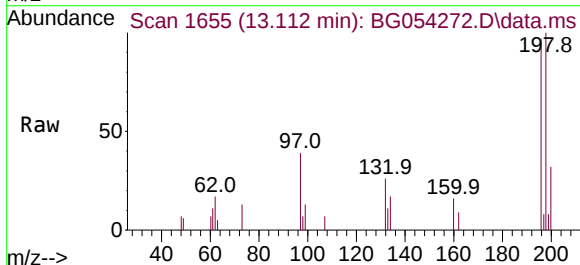
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

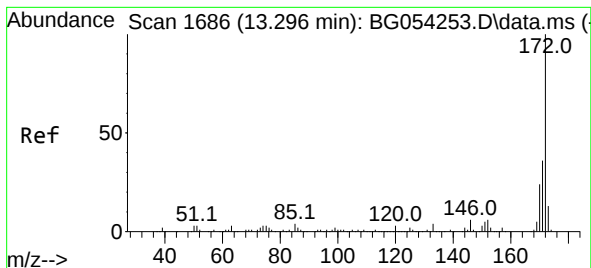
Tgt Ion:196 Resp: 4972
 Ion Ratio Lower Upper
 196 100
 198 103.6 74.1 111.1
 200 33.5 24.7 37.1



#44
 2,4,5-Trichlorophenol
 Concen: 3.587 ng
 RT: 13.112 min Scan# 1655
 Delta R.T. -0.078 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion:196 Resp: 4972
 Ion Ratio Lower Upper
 196 100
 198 103.6 76.8 115.2
 97 40.8 39.8 59.6
 132 26.7 18.4 27.6





#45

2-Fluorobiphenyl

Concen: 73.059 ng

RT: 13.294 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

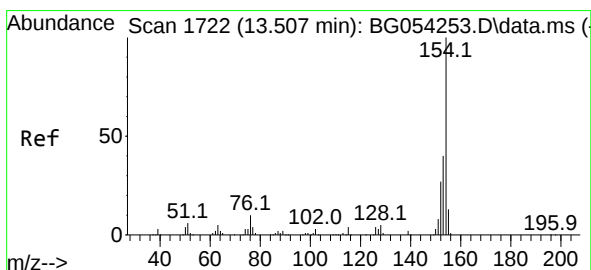
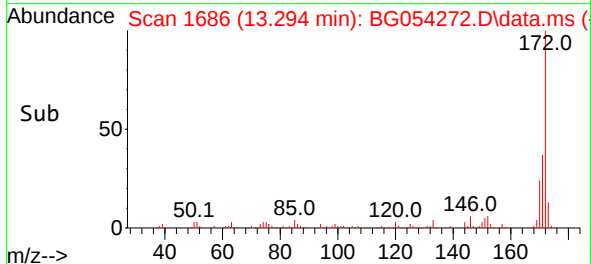
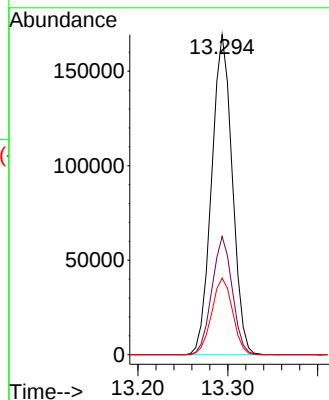
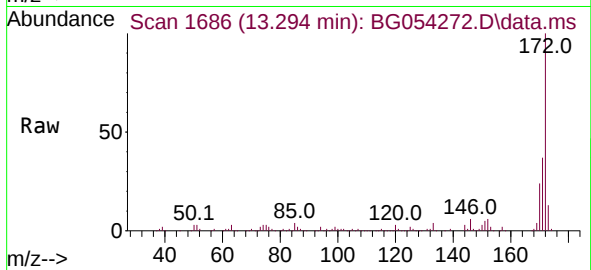
Tgt Ion:172 Resp: 270259

Ion Ratio Lower Upper

172 100

171 37.0 28.5 42.7

170 23.9 18.9 28.3



#46

1,1'-Biphenyl

Concen: 4.825 ng

RT: 13.505 min Scan# 1722

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

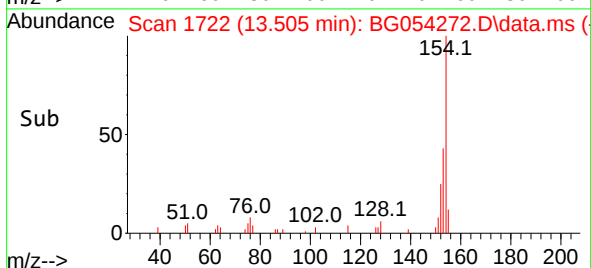
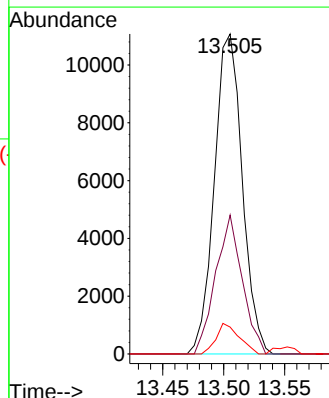
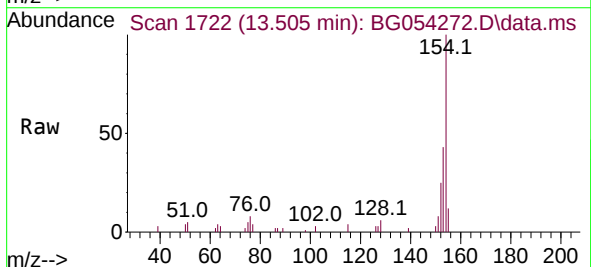
Tgt Ion:154 Resp: 17635

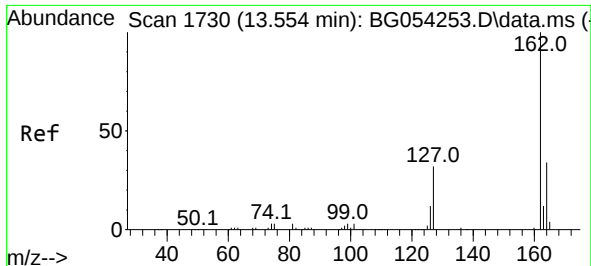
Ion Ratio Lower Upper

154 100

153 43.4 21.6 61.6

76 8.4 0.0 32.6





#47

2-Chloronaphthalene

Concen: 4.760 ng

RT: 13.552 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054272.D

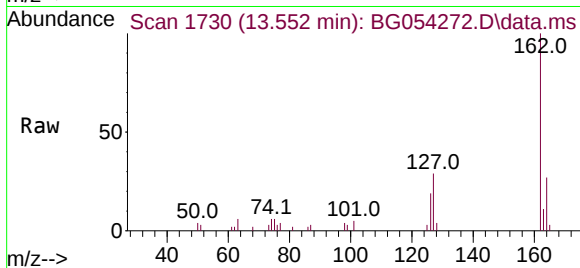
Acq: 13 Jul 2022 15:13

Instrument :

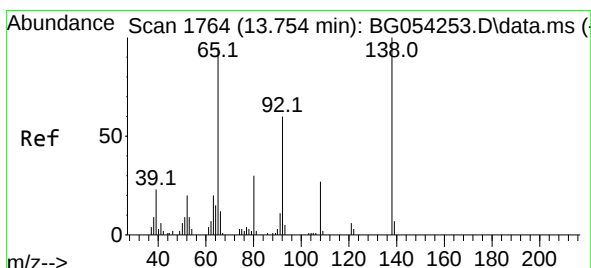
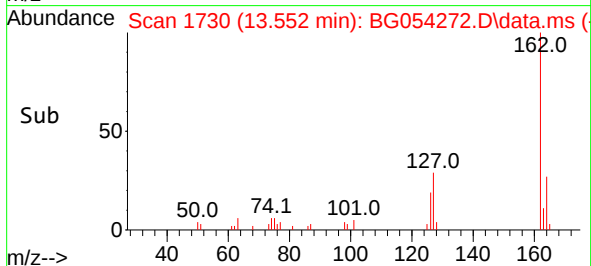
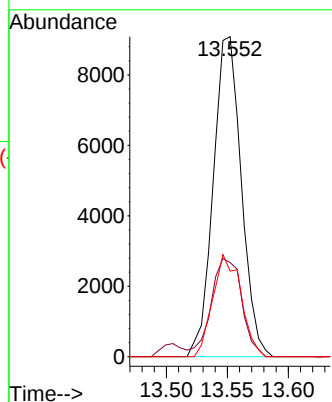
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022



Tgt Ion:	162	Resp:	14544
Ion Ratio	Lower	Upper	
162	100		
127	29.4	30.6	45.8#
164	26.8	26.5	39.7



#48

2-Nitroaniline

Concen: 3.536 ng

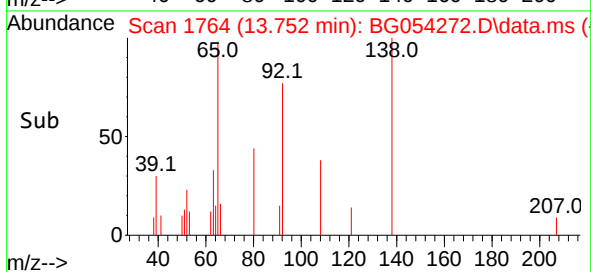
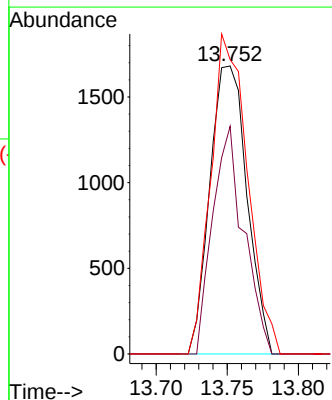
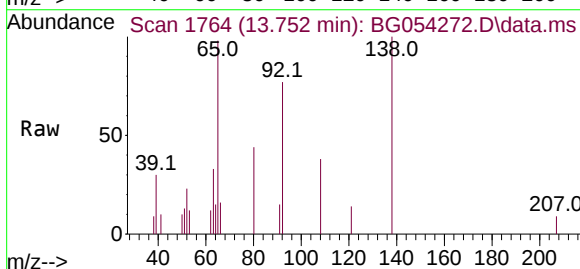
RT: 13.752 min Scan# 1764

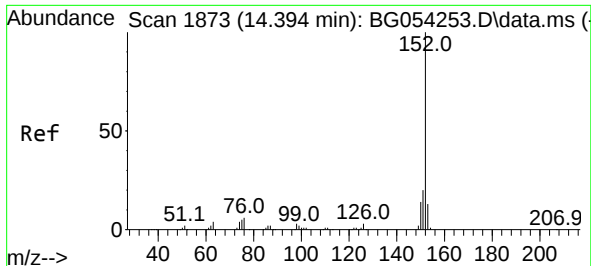
Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Tgt Ion:	65	Resp:	3058
Ion Ratio	Lower	Upper	
65	100		
92	79.1	51.5	77.3#
138	102.3	71.3	106.9

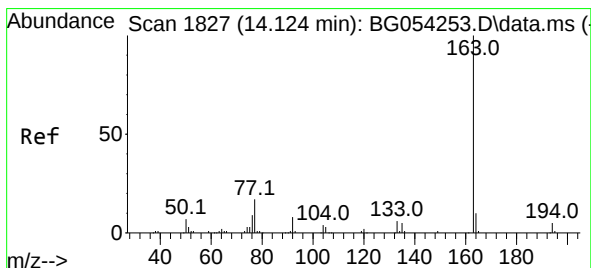
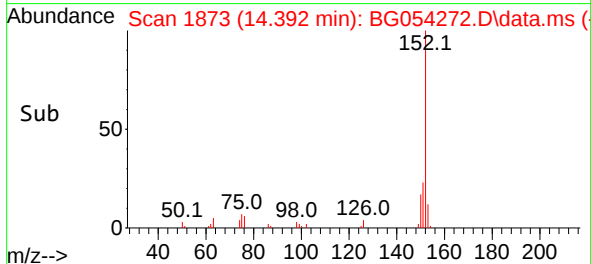
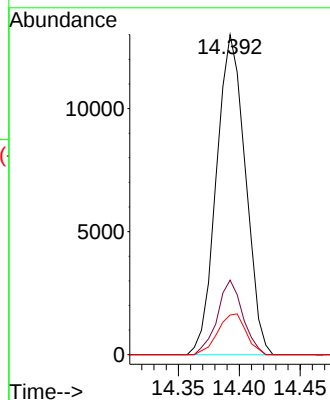
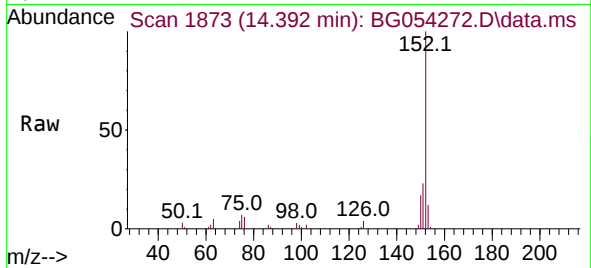




#49
Acenaphthylene
Concen: 4.640 ng
RT: 14.392 min Scan# 1873
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

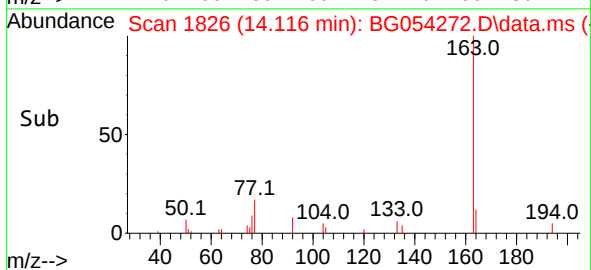
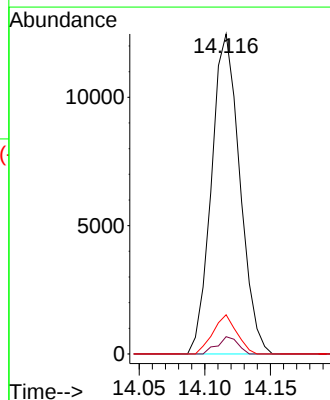
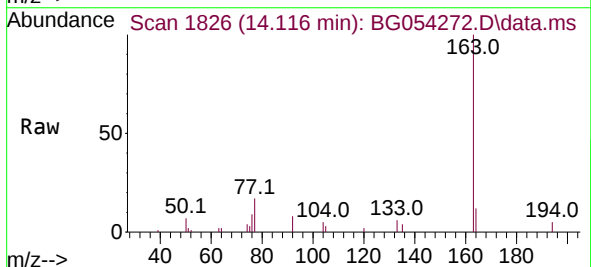
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

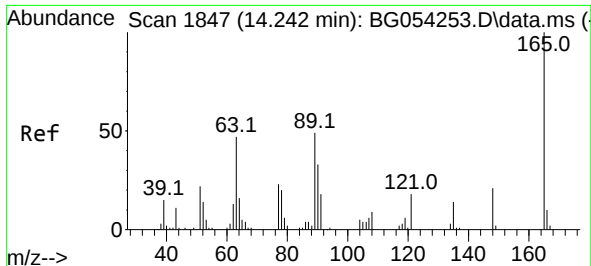
Tgt Ion:152 Resp: 21510
Ion Ratio Lower Upper
152 100
151 23.3 16.4 24.6
153 12.4 10.8 16.2



#50
Dimethylphthalate
Concen: 4.397 ng
RT: 14.116 min Scan# 1826
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:163 Resp: 18764
Ion Ratio Lower Upper
163 100
194 5.4 3.0 4.6#
164 12.3 8.0 12.0#





#51

2,6-Dinitrotoluene

Concen: 4.356 ng

RT: 14.240 min Scan# 1847

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

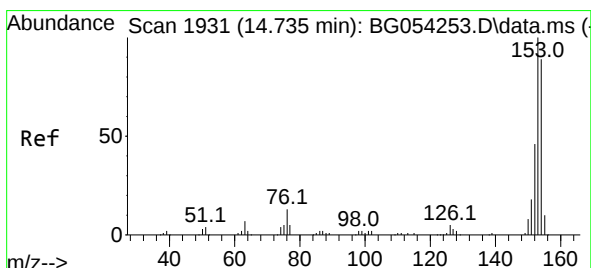
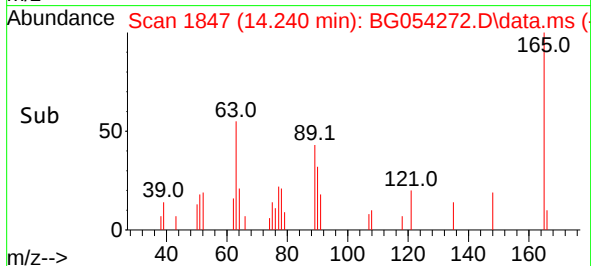
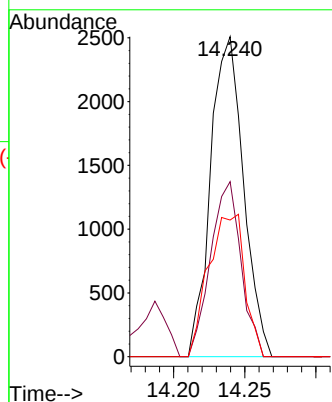
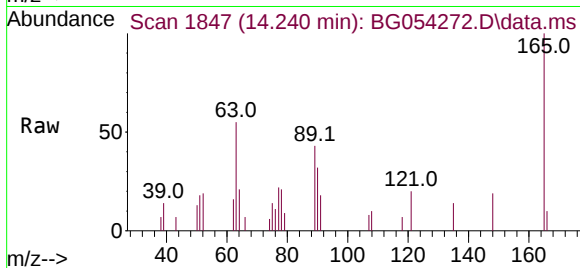
Tgt Ion:165 Resp: 4041

Ion Ratio Lower Upper

165 100

63 54.7 54.1 81.1

89 42.7 54.8 82.2#



#52

Acenaphthene

Concen: 4.330 ng

RT: 14.733 min Scan# 1931

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

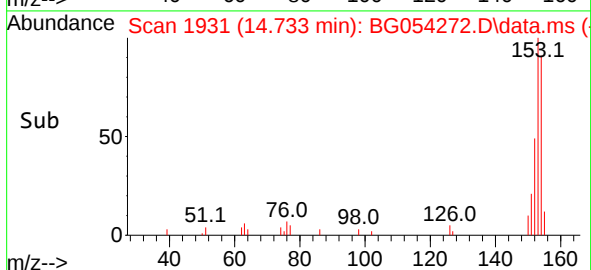
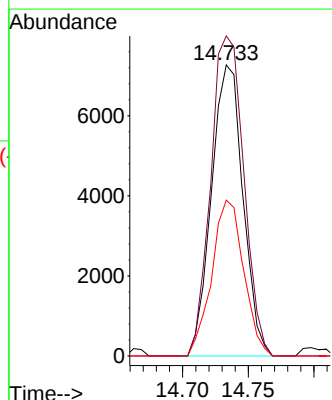
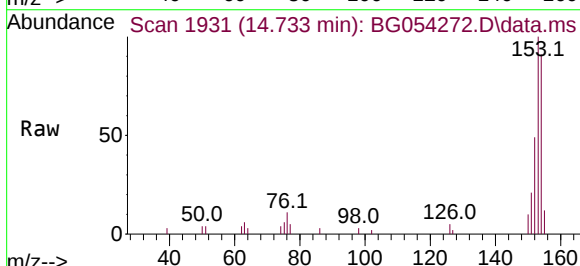
Tgt Ion:154 Resp: 12141

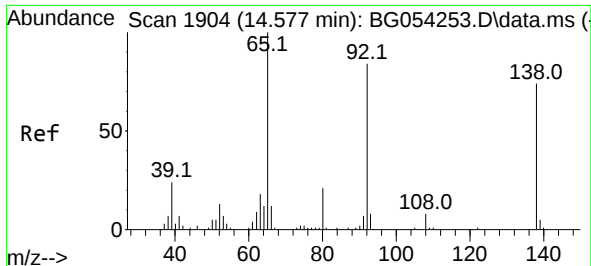
Ion Ratio Lower Upper

154 100

153 109.9 92.7 139.1

152 53.5 42.6 64.0

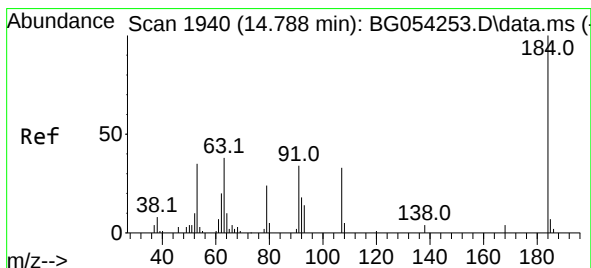
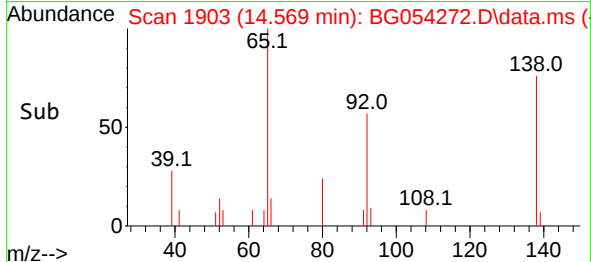
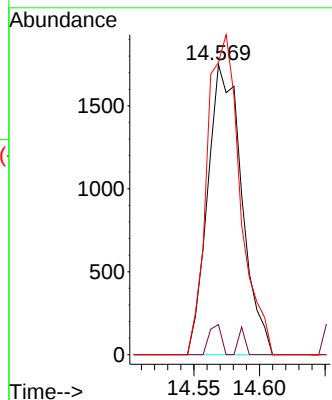
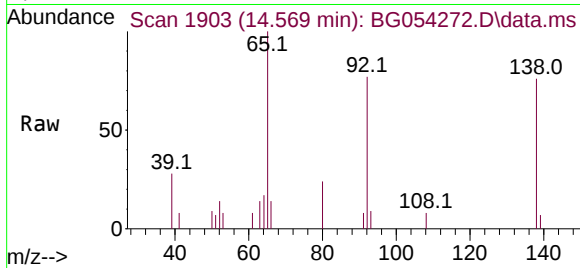




#53
3-Nitroaniline
Concen: 3.831 ng
RT: 14.569 min Scan# 1903
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

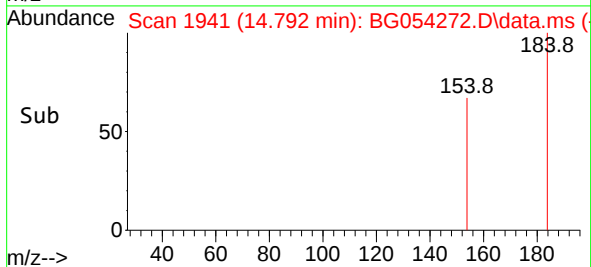
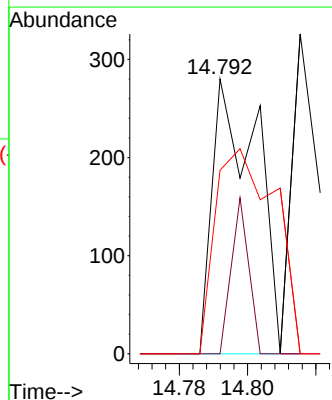
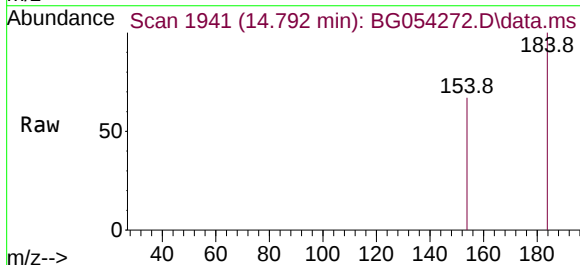
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

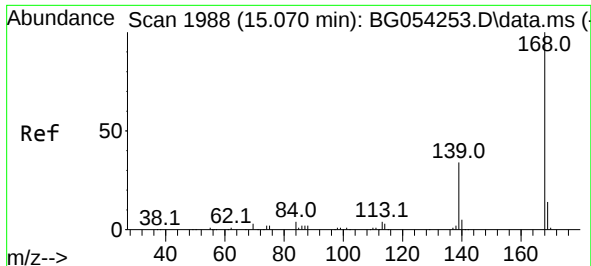
Tgt Ion:138 Resp: 3150
Ion Ratio Lower Upper
138 100
108 10.3 9.2 13.8
92 100.7 101.9 152.9#



#54
2,4-Dinitrophenol
Concen: 0.577 ng
RT: 14.792 min Scan# 1941
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:184 Resp: 251
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 66.8 60.6 91.0

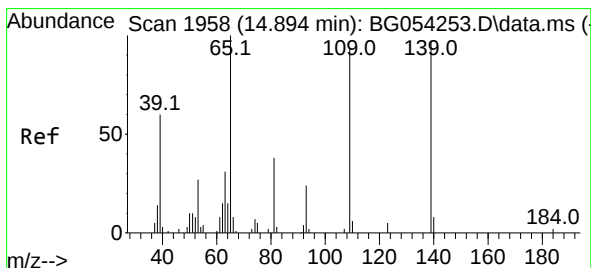
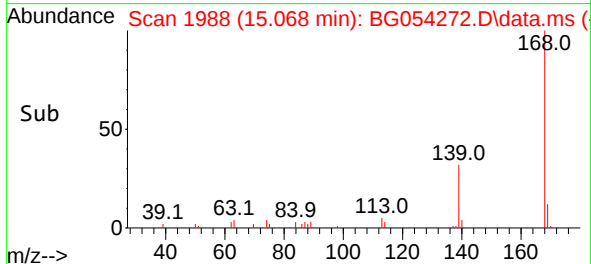
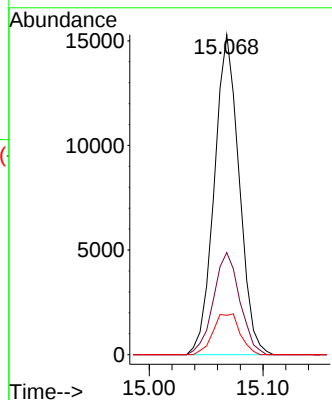
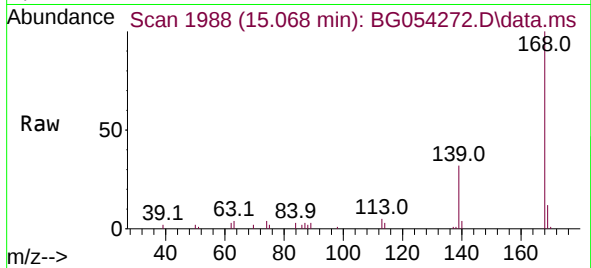




#55
Dibenzofuran
Concen: 4.712 ng
RT: 15.068 min Scan# 1988
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

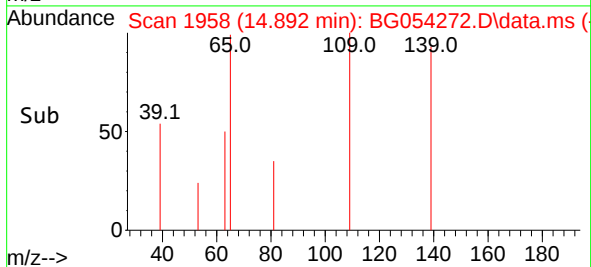
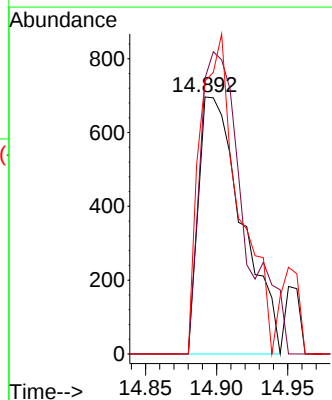
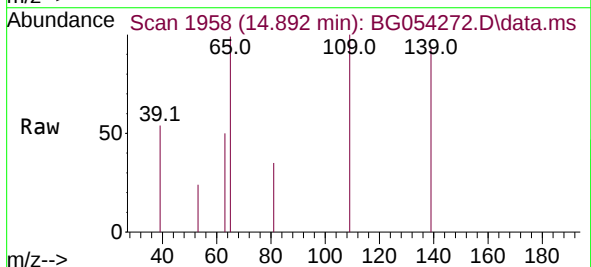
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

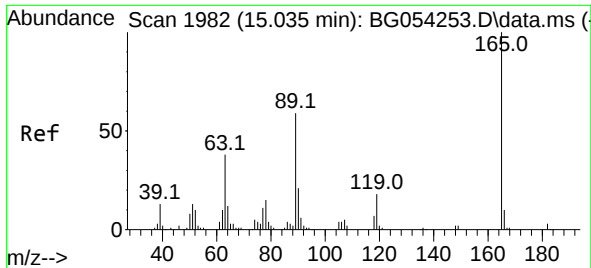
Tgt Ion:168 Resp: 23207
Ion Ratio Lower Upper
168 100
139 31.9 30.5 45.7
169 12.3 10.3 15.5



#56
4-Nitrophenol
Concen: 2.802 ng
RT: 14.892 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:139 Resp: 1480
Ion Ratio Lower Upper
139 100
109 107.3 88.5 128.5
65 106.2 93.9 133.9

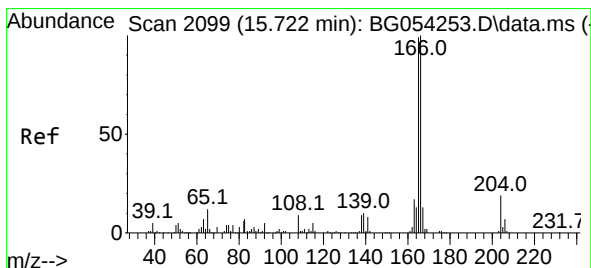
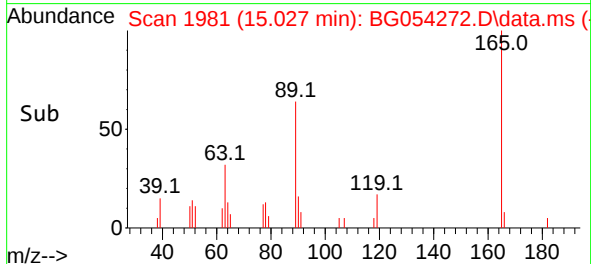
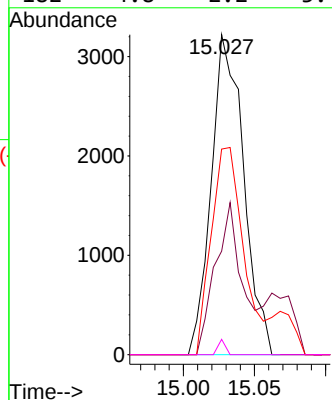
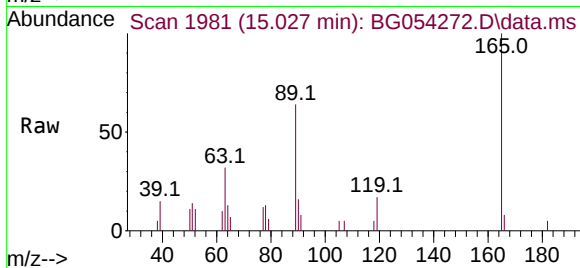




#57
2,4-Dinitrotoluene
Concen: 3.785 ng
RT: 15.027 min Scan# 1982
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

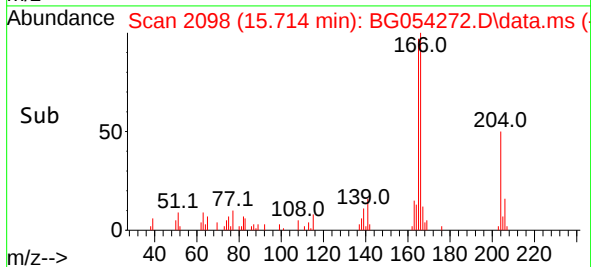
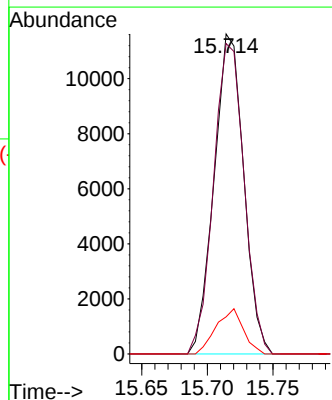
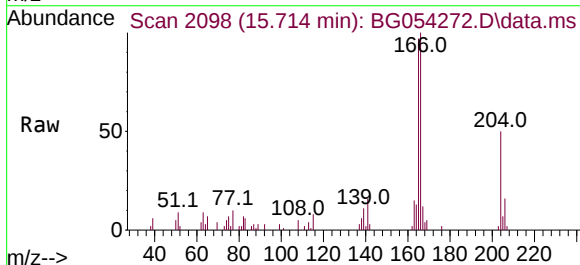
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

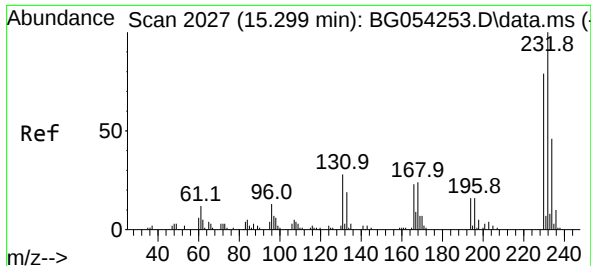
Tgt Ion:165 Resp: 5084
Ion Ratio Lower Upper
165 100
63 32.4 34.6 52.0#
89 64.2 60.3 90.5
182 4.8 2.2 3.4#



#58
Fluorene
Concen: 4.458 ng
RT: 15.714 min Scan# 2098
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:166 Resp: 18239
Ion Ratio Lower Upper
166 100
165 97.0 75.0 112.6
167 11.6 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.905 ng

RT: 15.309 min Scan# 2027

Delta R.T. 0.010 min

Lab File: BG054272.D

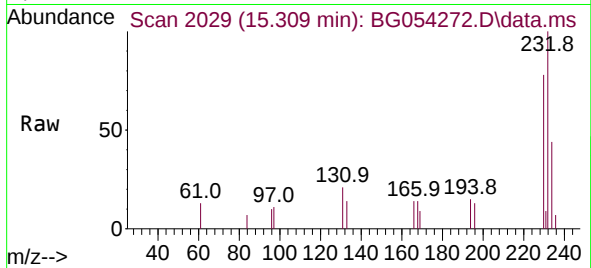
Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022



Tgt Ion:232 Resp: 5421

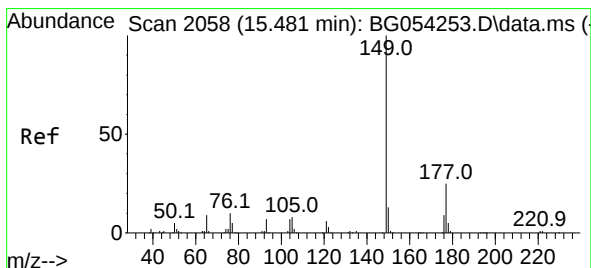
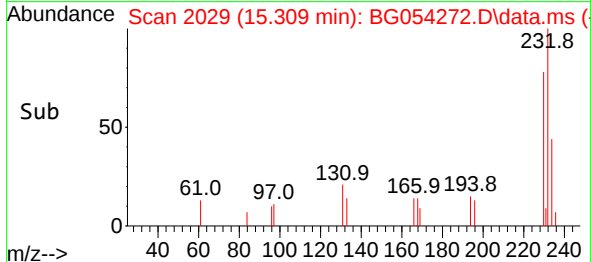
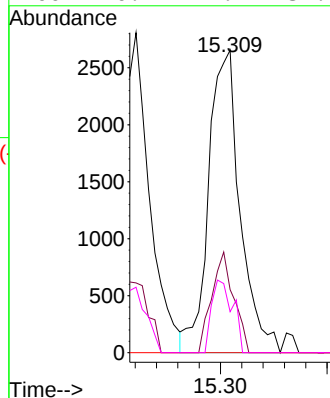
Ion Ratio Lower Upper

232 100

131 23.4 30.6 46.0#

130 0.0 1.8 2.8#

166 16.2 21.1 31.7#



#60

Diethylphthalate

Concen: 4.471 ng

RT: 15.479 min Scan# 2058

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

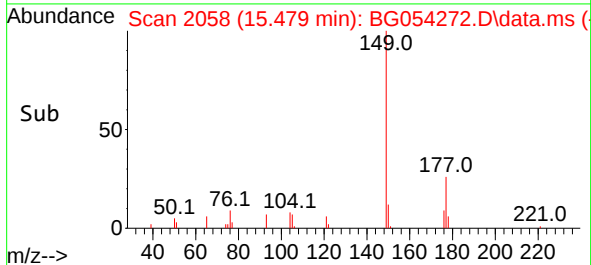
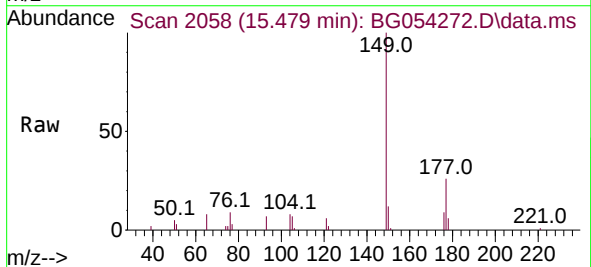
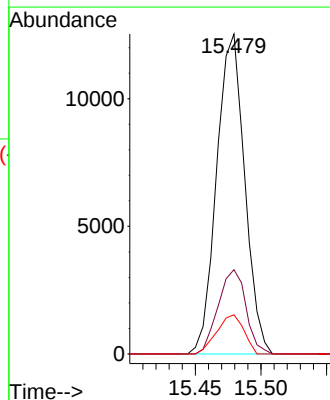
Tgt Ion:149 Resp: 18610

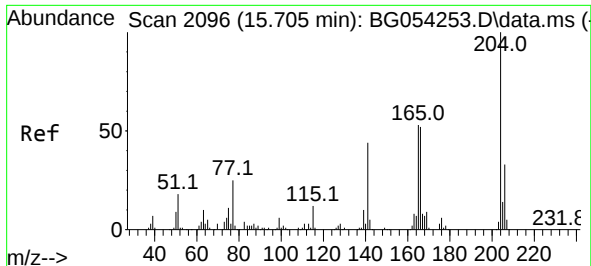
Ion Ratio Lower Upper

149 100

177 26.3 18.4 27.6

150 12.2 11.2 16.8

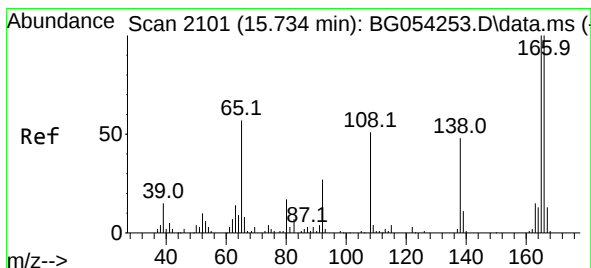
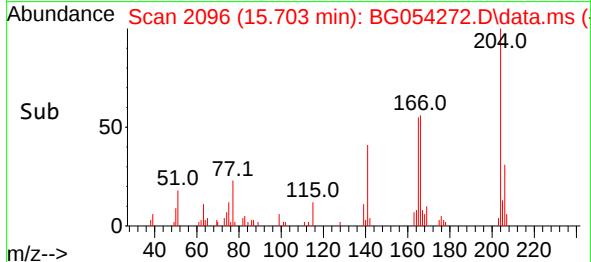
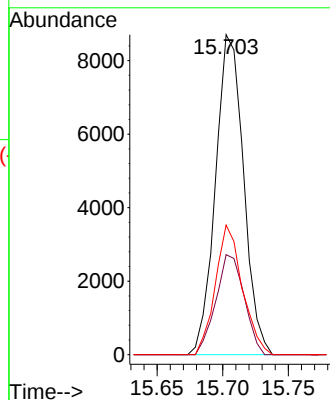
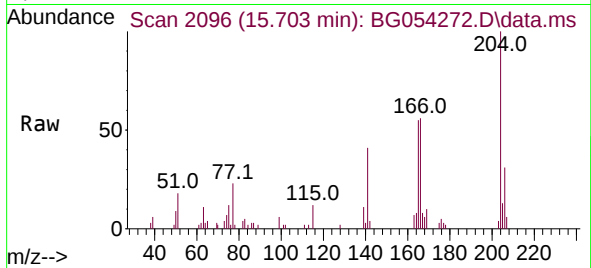




#61
4-Chlorophenyl-phenylether
Concen: 4.982 ng
RT: 15.703 min Scan# 2096
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

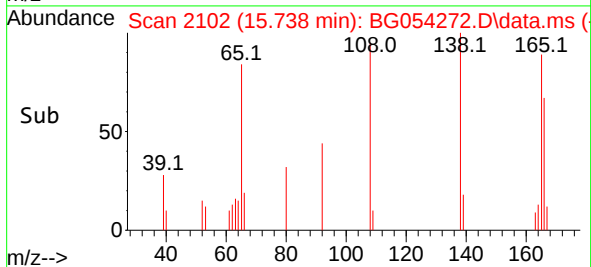
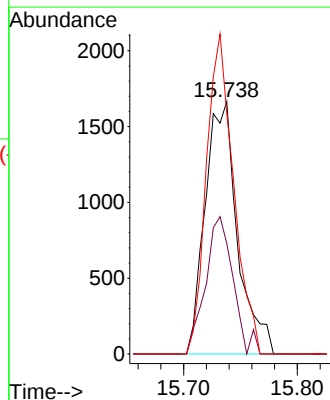
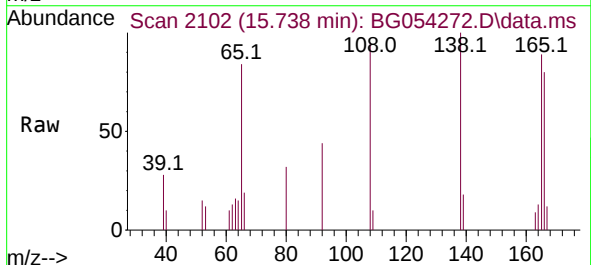
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

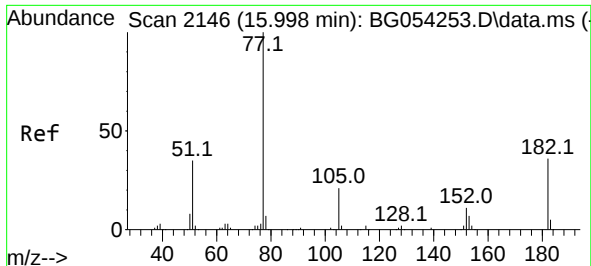
Tgt Ion:204 Resp: 12946
Ion Ratio Lower Upper
204 100
206 31.3 27.5 41.3
141 40.5 45.3 67.9#



#62
4-Nitroaniline
Concen: 3.828 ng
RT: 15.738 min Scan# 2102
Delta R.T. 0.004 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:138 Resp: 3287
Ion Ratio Lower Upper
138 100
92 43.8 40.5 80.5
108 95.3 103.7 143.7#

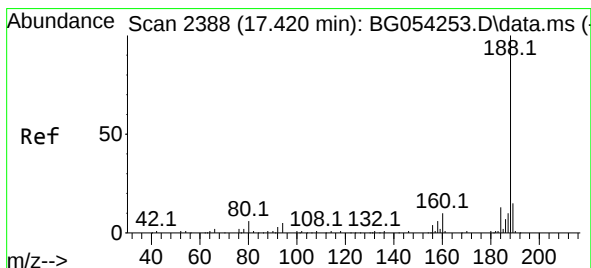
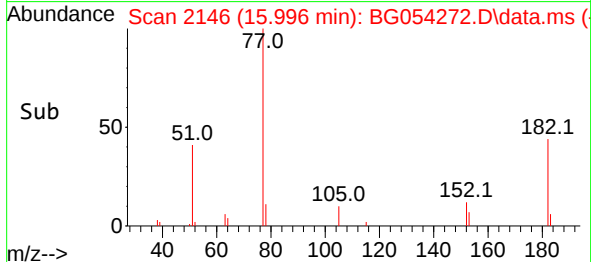
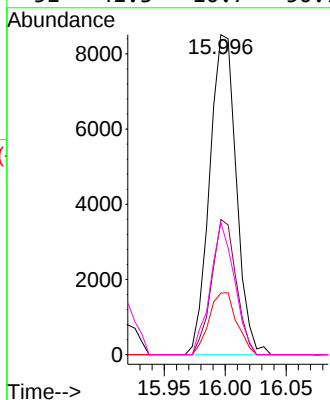
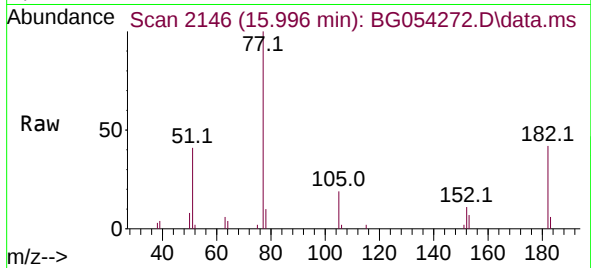




#63
 Azobenzene
 Concen: 4.127 ng
 RT: 15.996 min Scan# 2146
 Delta R.T. -0.002 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

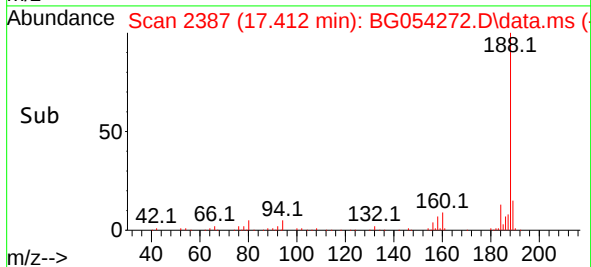
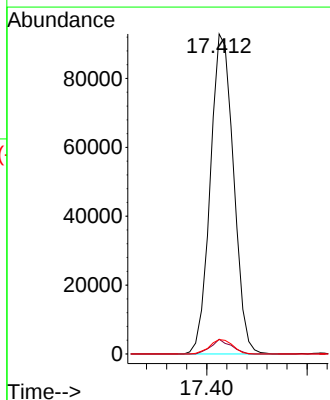
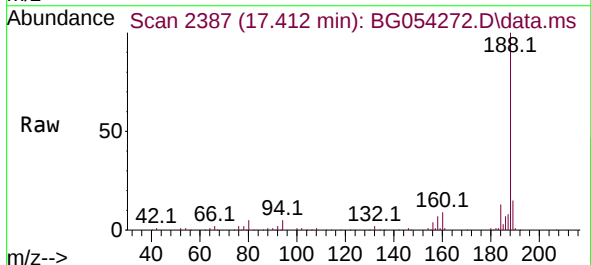
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

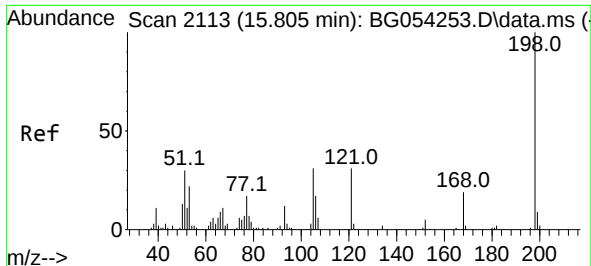
Tgt Ion: 77	Resp: 12947
Ion Ratio	Lower Upper
77 100	
182 42.3	3.8 43.8
105 19.3	0.0 37.8
51 41.3	10.7 50.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.412 min Scan# 2387
 Delta R.T. -0.008 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion: 188	Resp: 149288
Ion Ratio	Lower Upper
188 100	
94 4.6	5.4 8.0#
80 4.5	6.8 10.2#

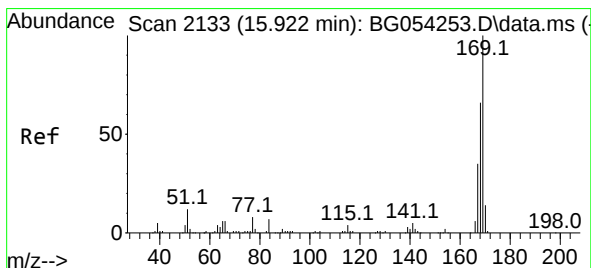
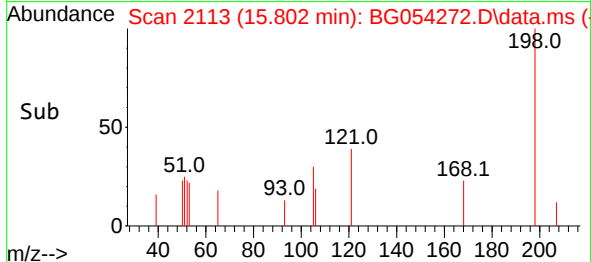
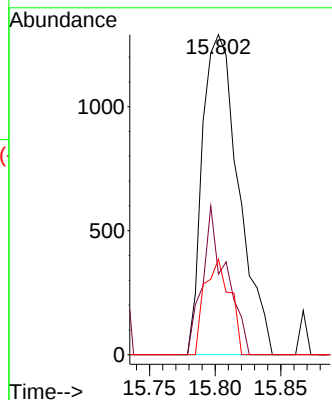
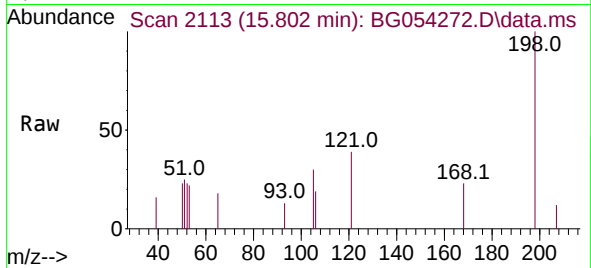




#65
4,6-Dinitro-2-methylphenol
Concen: 2.827 ng
RT: 15.802 min Scan# 2113
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

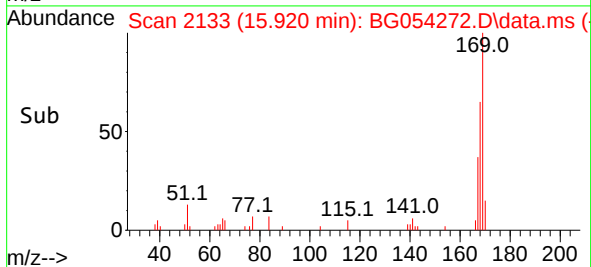
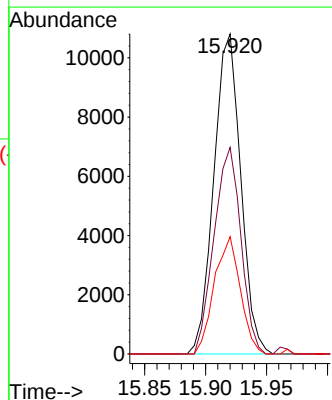
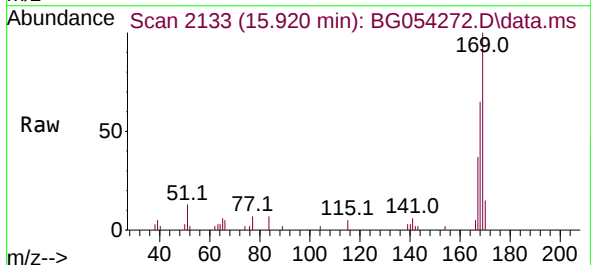
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

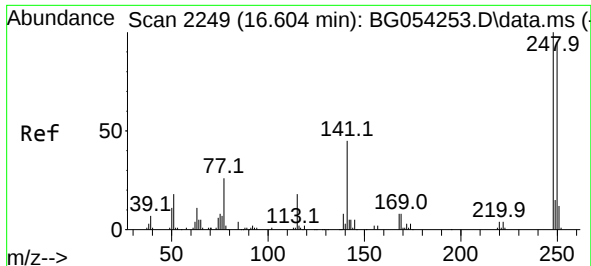
Tgt Ion:198 Resp: 2483
Ion Ratio Lower Upper
198 100
51 25.1 28.1 68.1#
105 29.8 20.3 60.3



#66
n-Nitrosodiphenylamine
Concen: 4.409 ng
RT: 15.920 min Scan# 2133
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:169 Resp: 16604
Ion Ratio Lower Upper
169 100
168 64.6 55.9 83.9
167 36.7 30.6 46.0





#67

4-Bromophenyl-phenylether

Concen: 4.695 ng

RT: 16.596 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

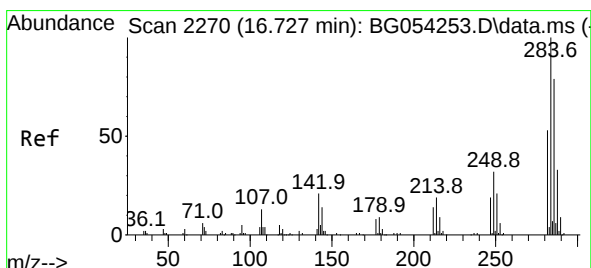
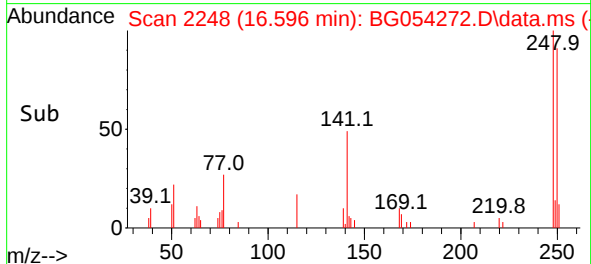
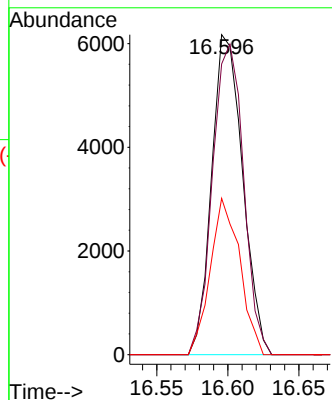
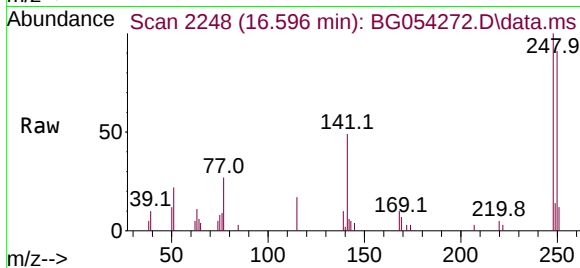
Tgt Ion:248 Resp: 9348

Ion Ratio Lower Upper

248 100

250 90.9 75.2 112.8

141 48.8 50.0 75.0#



#68

Hexachlorobenzene

Concen: 4.606 ng

RT: 16.731 min Scan# 2271

Delta R.T. 0.004 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

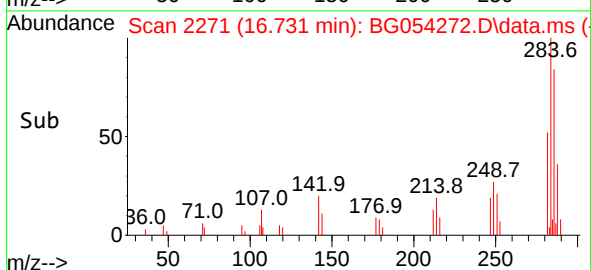
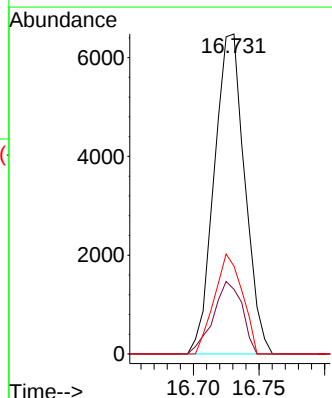
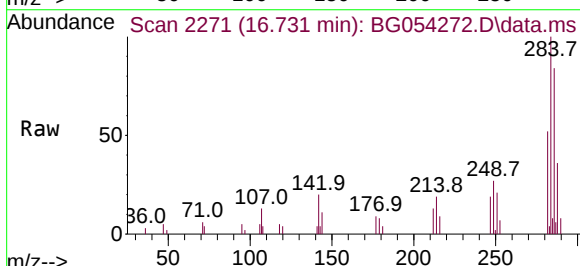
Tgt Ion:284 Resp: 10469

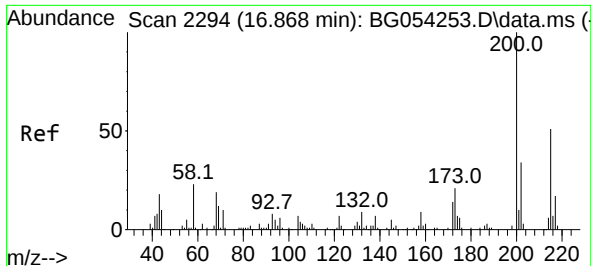
Ion Ratio Lower Upper

284 100

142 20.2 23.6 35.4#

249 27.5 25.8 38.6

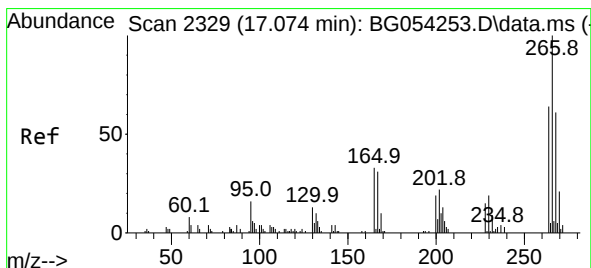
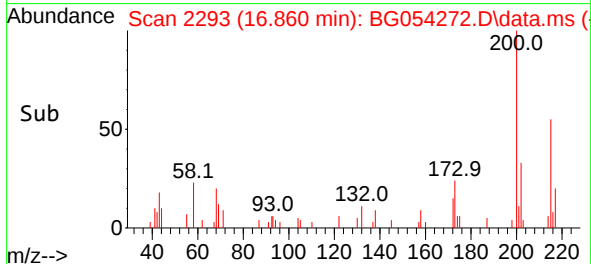
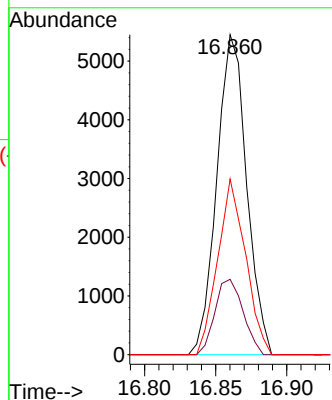
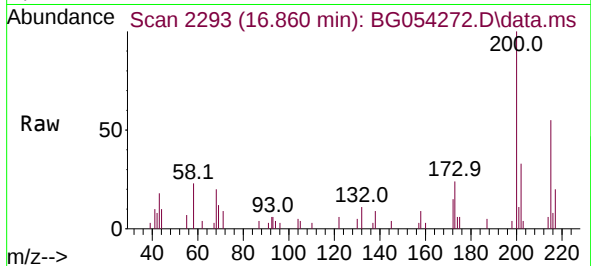




#69
 Atrazine
 Concen: 4.781 ng
 RT: 16.860 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

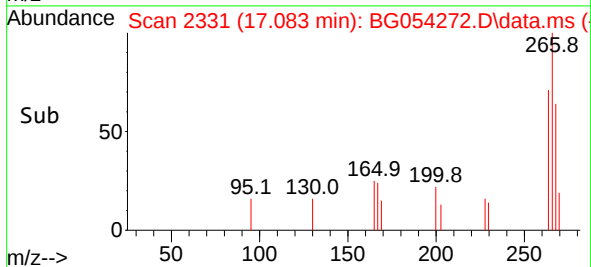
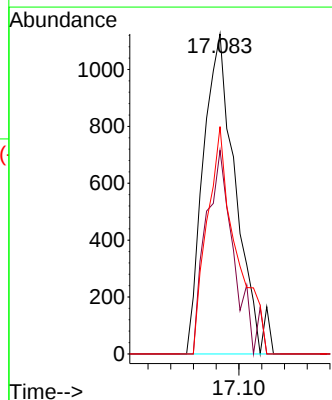
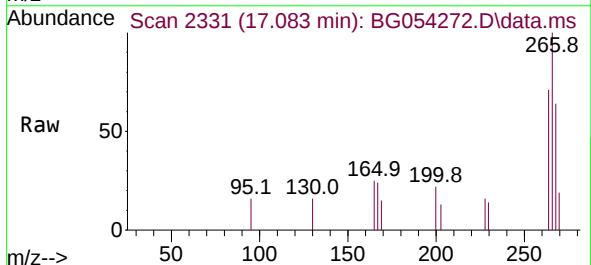
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

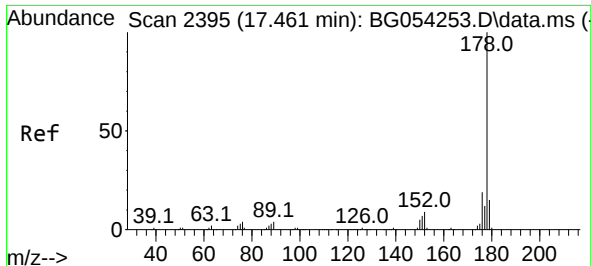
Tgt Ion:200 Resp: 7951
 Ion Ratio Lower Upper
 200 100
 173 23.5 3.7 43.7
 215 54.9 25.2 65.2



#70
 Pentachlorophenol
 Concen: 2.427 ng
 RT: 17.083 min Scan# 2331
 Delta R.T. 0.009 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion:266 Resp: 2216
 Ion Ratio Lower Upper
 266 100
 268 63.6 56.2 84.2
 264 71.0 53.0 79.4

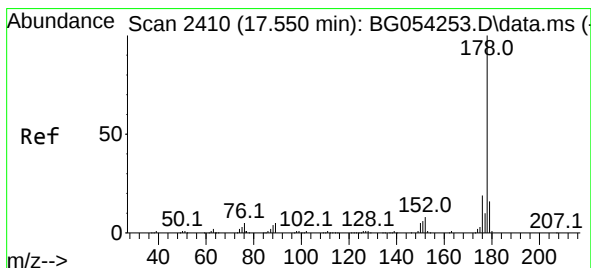
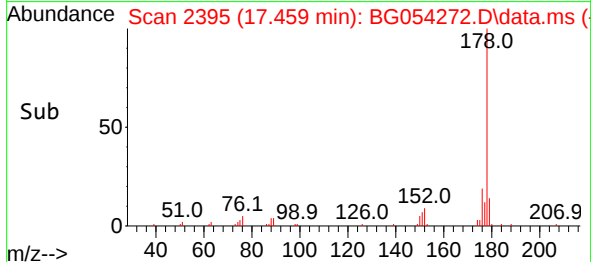
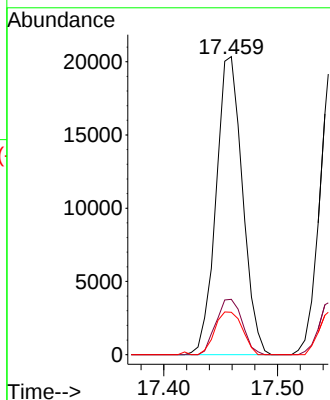
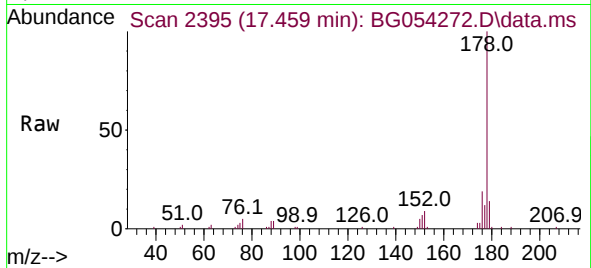




#71
Phenanthrene
Concen: 4.397 ng
RT: 17.459 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

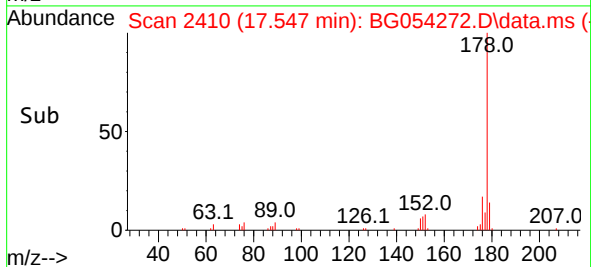
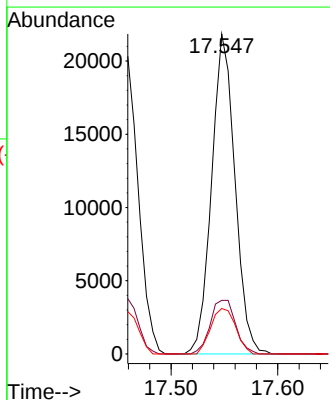
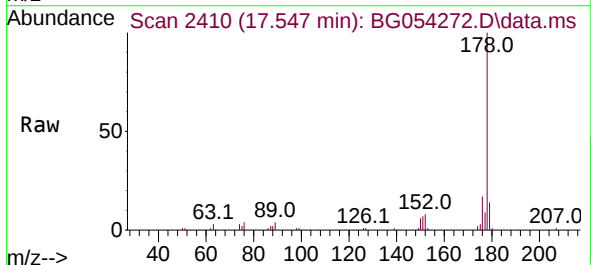
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

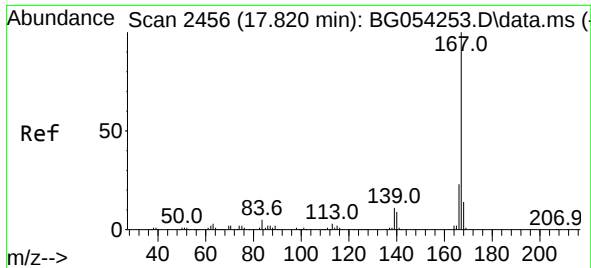
Tgt Ion:178 Resp: 32838
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 14.2 12.1 18.1



#72
Anthracene
Concen: 4.534 ng
RT: 17.547 min Scan# 2410
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:178 Resp: 33162
Ion Ratio Lower Upper
178 100
176 16.8 15.2 22.8
179 14.2 13.0 19.4

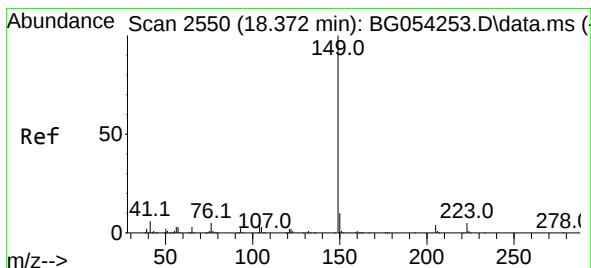
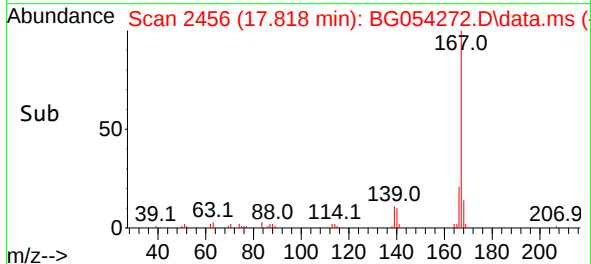
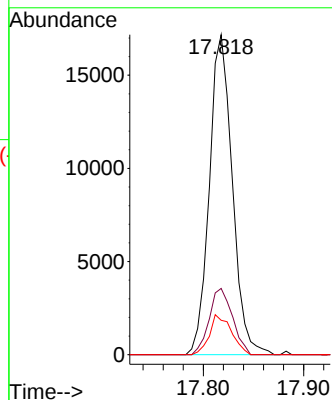
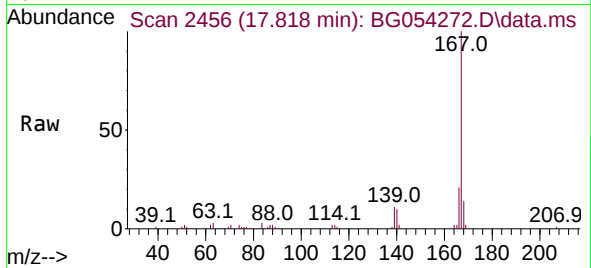




#73
 Carbazole
 Concen: 4.417 ng
 RT: 17.818 min Scan# 24
 Delta R.T. -0.002 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

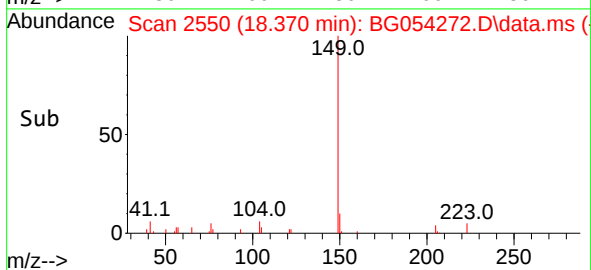
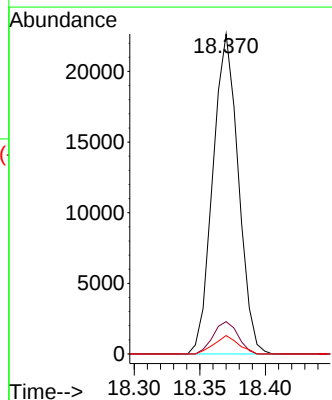
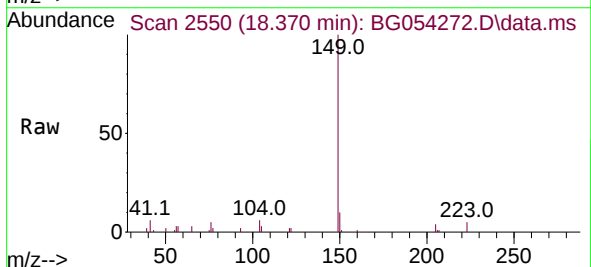
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

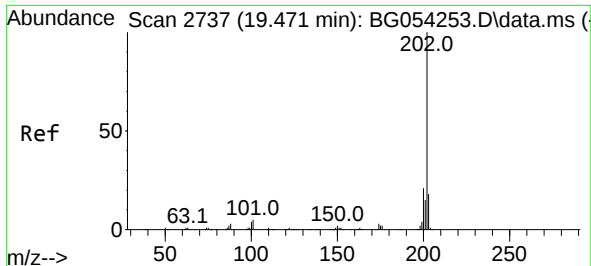
Tgt Ion:167	Resp:	27357
Ion Ratio	Lower	Upper
167	100	
166	20.7	18.2 27.2
139	10.8	10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 4.172 ng
 RT: 18.370 min Scan# 2550
 Delta R.T. -0.002 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion:149	Resp:	30593
Ion Ratio	Lower	Upper
149	100	
150	10.1	7.7 11.5
104	5.7	5.4 8.0

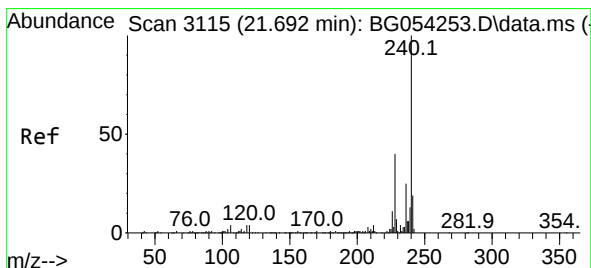
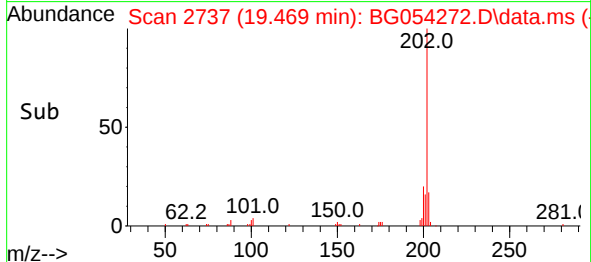
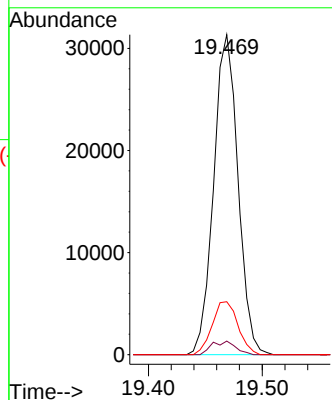
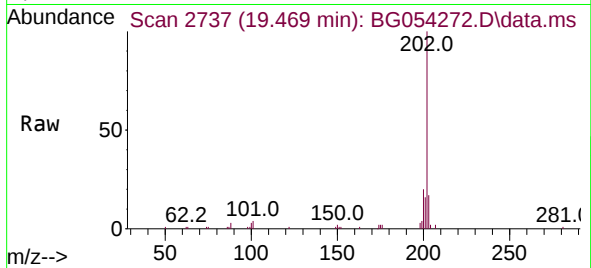




#75
Fluoranthene
Concen: 4.580 ng
RT: 19.469 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

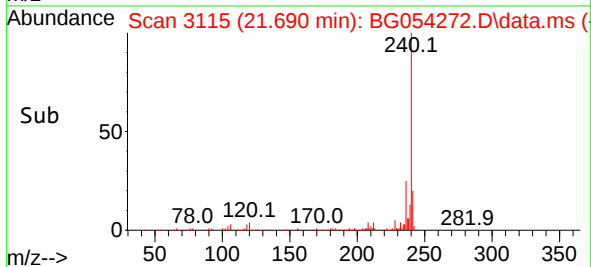
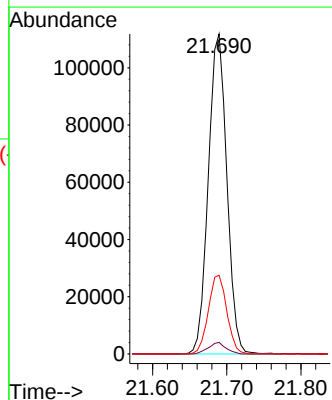
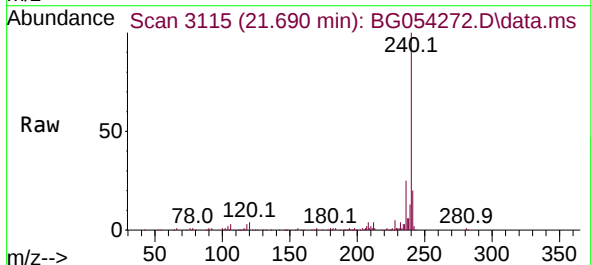
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

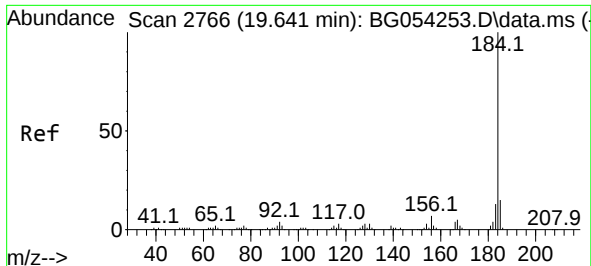
Tgt Ion:202 Resp: 46509
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 16.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.690 min Scan# 3115
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:240 Resp: 194227
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.6 20.2 30.4

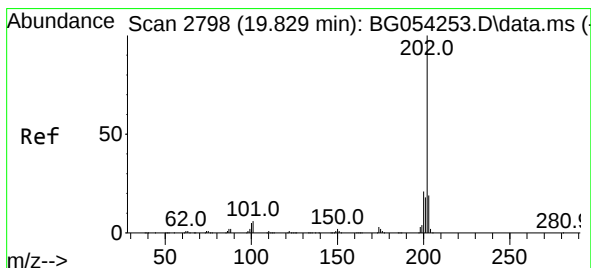
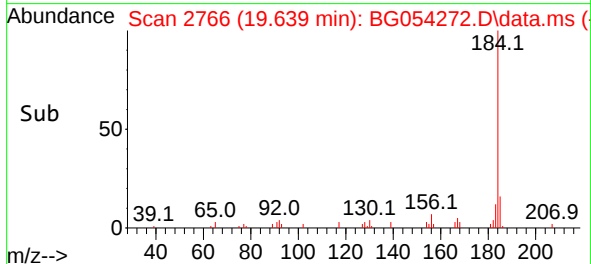
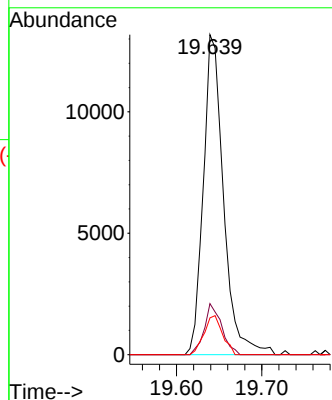
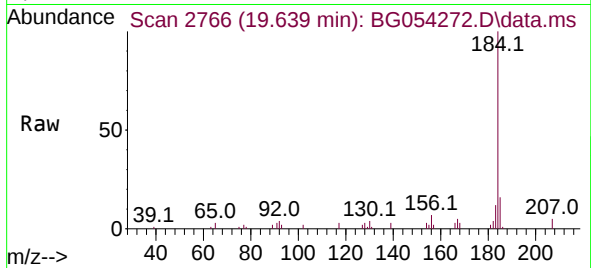




#77
Benzidine
Concen: 6.371 ng
RT: 19.639 min Scan# 21721
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

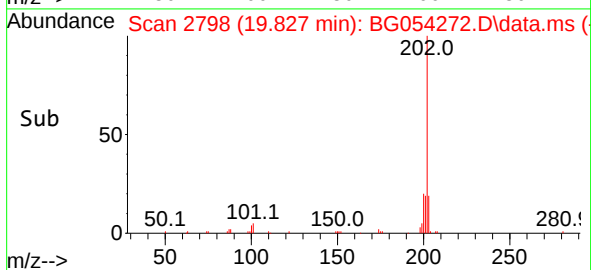
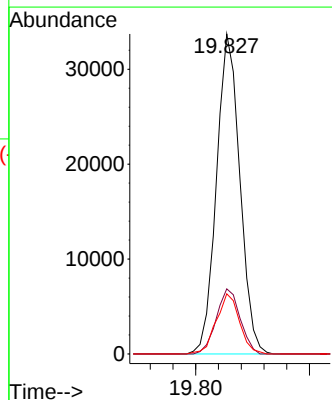
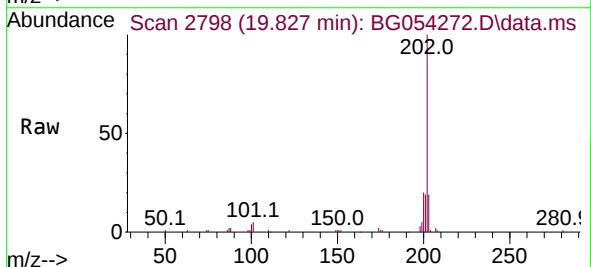
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

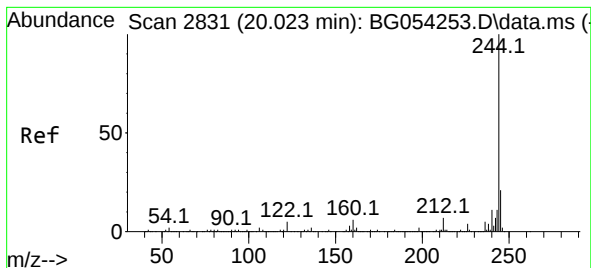
Tgt Ion:184 Resp: 21721
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 11.5 8.9 13.3



#78
Pyrene
Concen: 4.309 ng
RT: 19.827 min Scan# 2798
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:202 Resp: 48171
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 18.8 14.6 21.8





#79

Terphenyl-d14

Concen: 69.930 ng

RT: 20.021 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

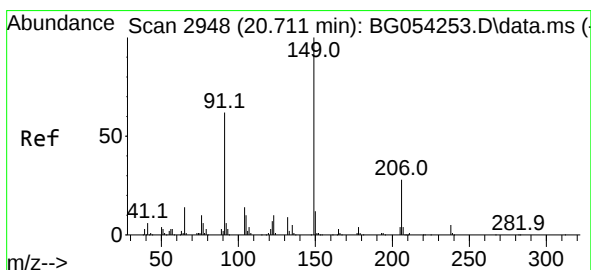
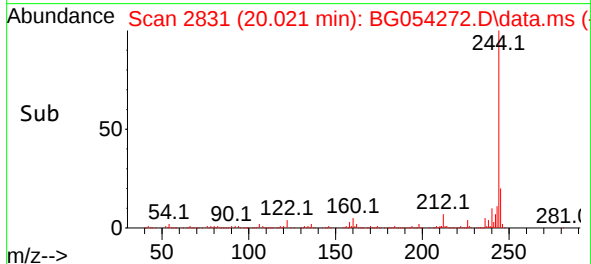
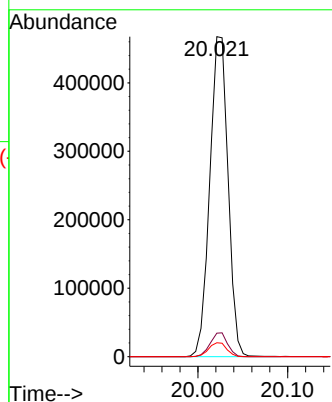
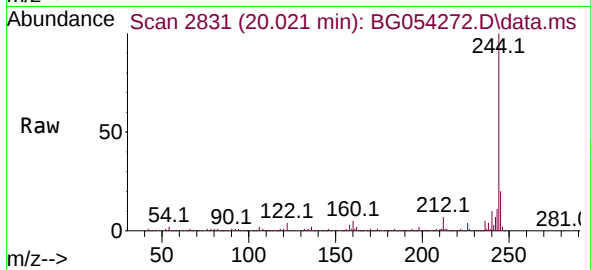
Tgt Ion:244 Resp: 660496

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 4.3 5.0 7.4#



#80

Butylbenzylphthalate

Concen: 3.792 ng

RT: 20.709 min Scan# 2948

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

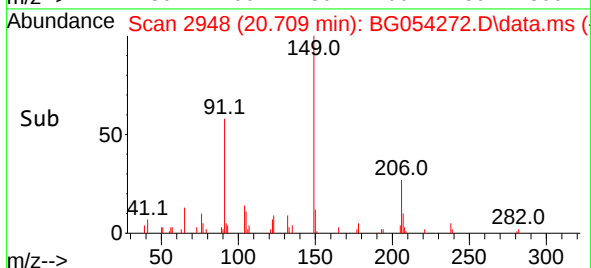
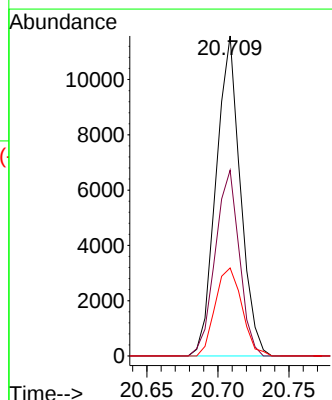
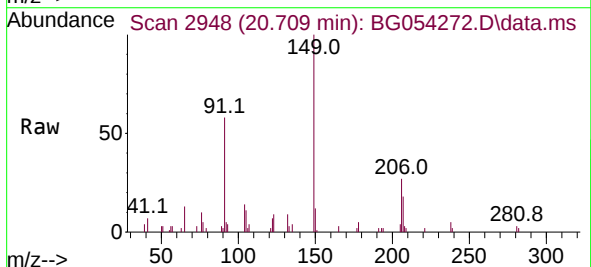
Tgt Ion:149 Resp: 13735

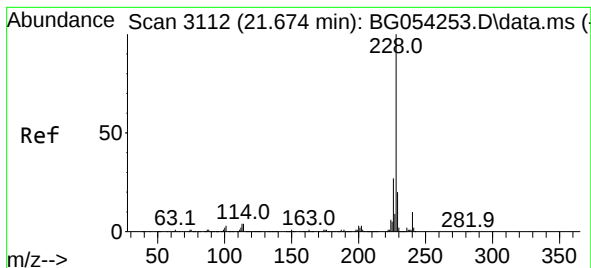
Ion Ratio Lower Upper

149 100

91 58.0 59.6 89.4#

206 27.5 18.6 28.0





#81

Benzo(a)anthracene

Concen: 4.447 ng

RT: 21.666 min Scan# 3111

Delta R.T. -0.008 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

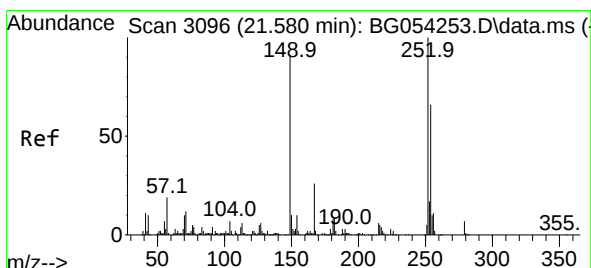
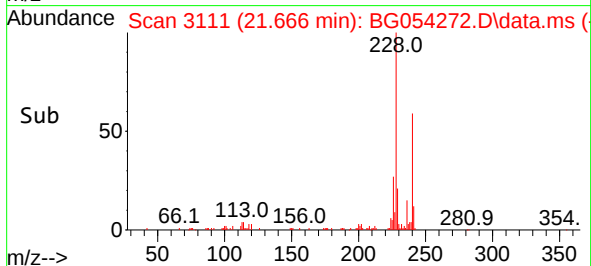
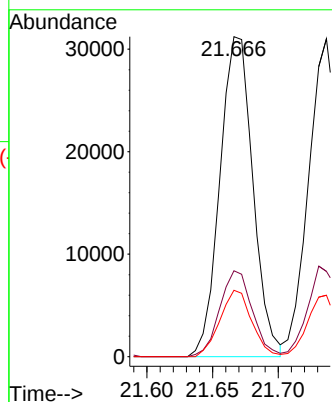
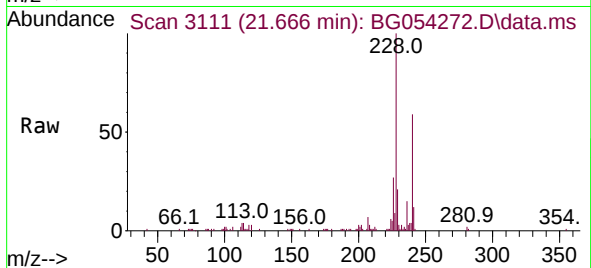
Tgt Ion:228 Resp: 54635

Ion Ratio Lower Upper

228 100

226 26.8 21.6 32.4

229 20.7 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 5.426 ng

RT: 21.578 min Scan# 3096

Delta R.T. -0.002 min

Lab File: BG054272.D

Acq: 13 Jul 2022 15:13

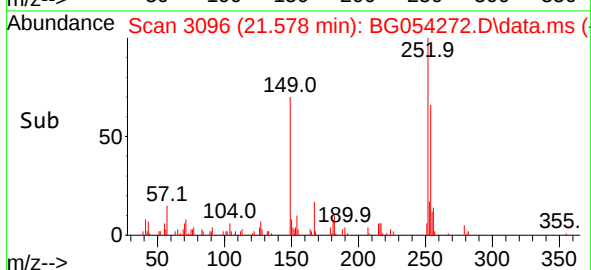
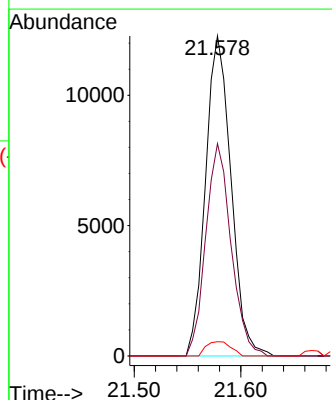
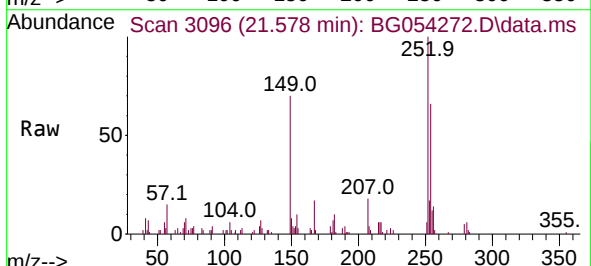
Tgt Ion:252 Resp: 20377

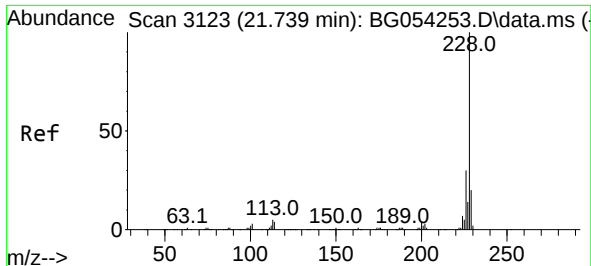
Ion Ratio Lower Upper

252 100

254 66.4 49.8 74.8

126 4.5 6.0 9.0#

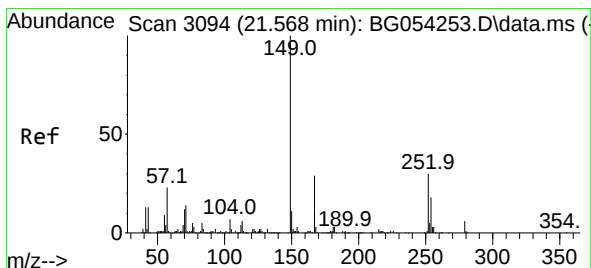
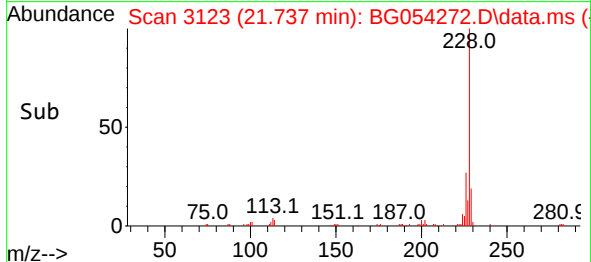
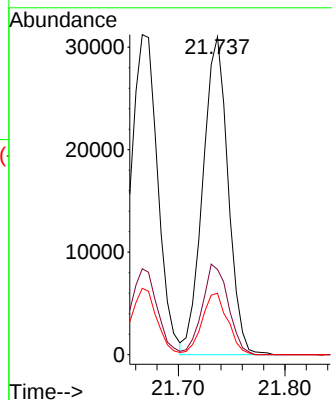
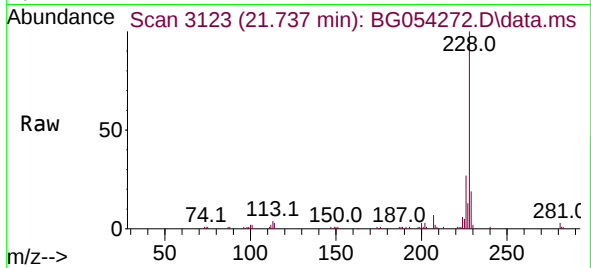




#83
Chrysene
Concen: 4.390 ng
RT: 21.737 min Scan# 3123
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

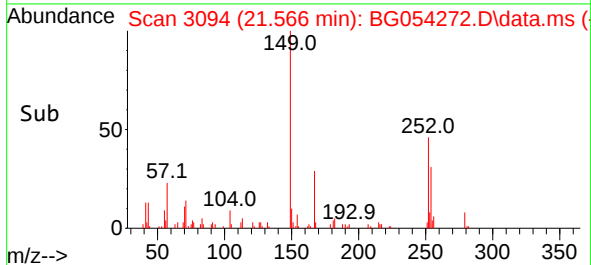
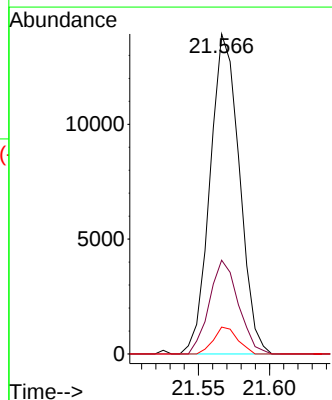
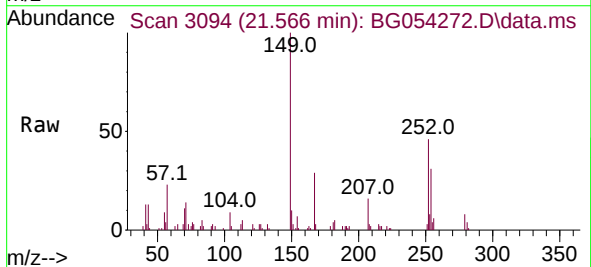
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

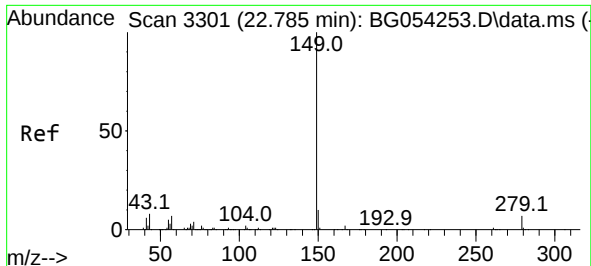
Tgt Ion:228	Resp:	51010
Ion Ratio	Lower	Upper
228	100	
226	26.8	23.4 35.2
229	19.4	15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.881 ng
RT: 21.566 min Scan# 3094
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:149	Resp:	19943
Ion Ratio	Lower	Upper
149	100	
167	29.3	20.2 30.4
279	8.4	3.6 5.4#

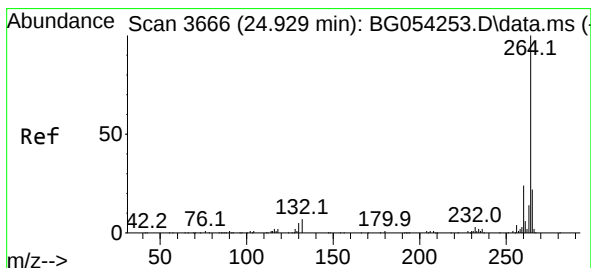
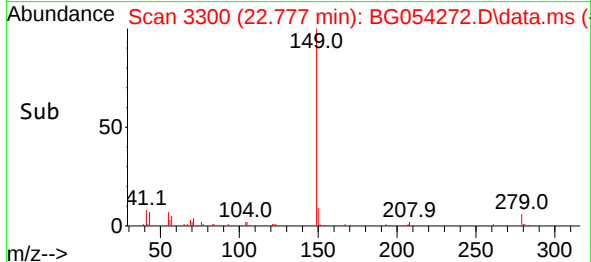
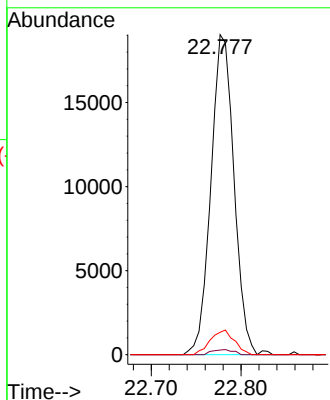
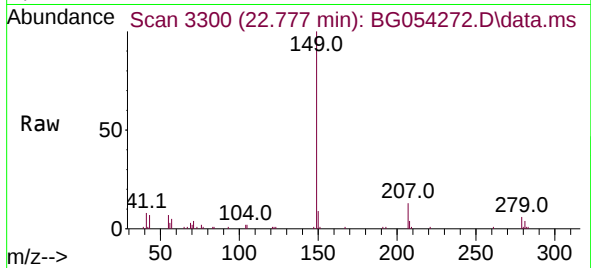




#85
Di-n-octyl phthalate
Concen: 3.850 ng
RT: 22.777 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

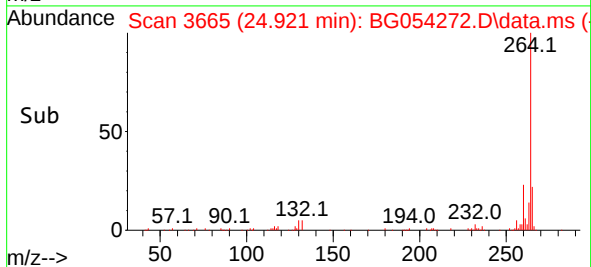
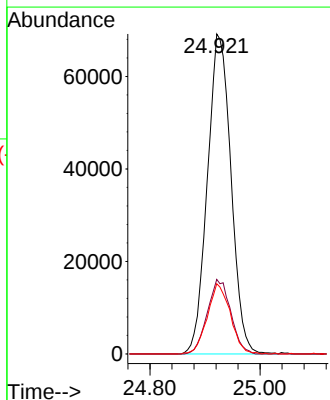
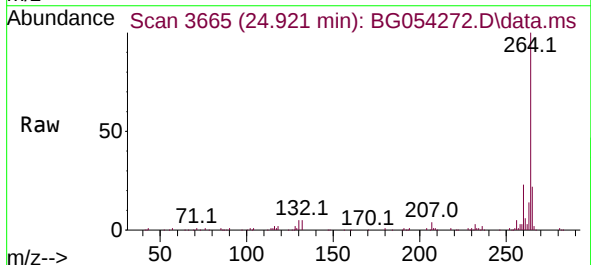
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

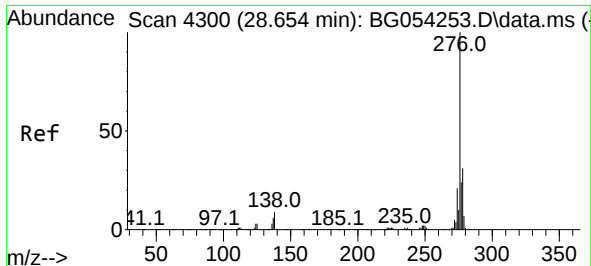
Tgt Ion:149 Resp: 34058
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.0 9.0 13.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.921 min Scan# 3665
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:264 Resp: 206048
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 22.0 17.4 26.2

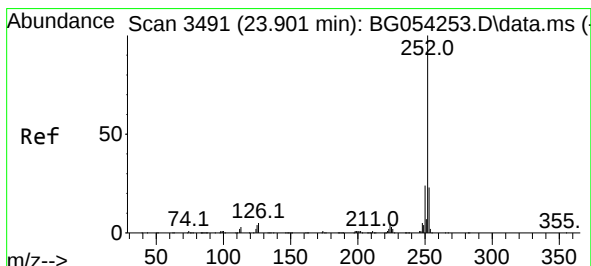
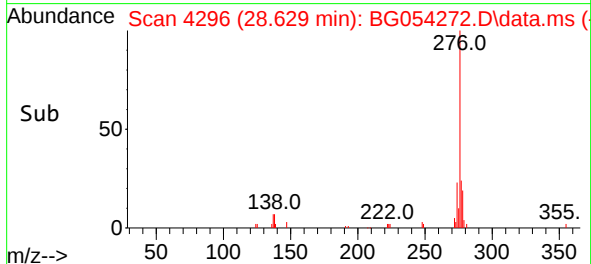
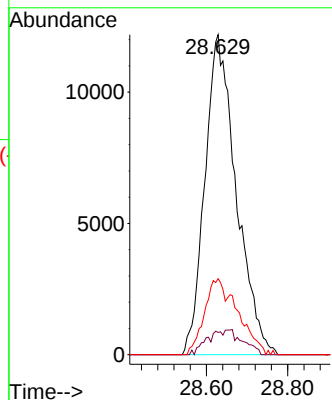
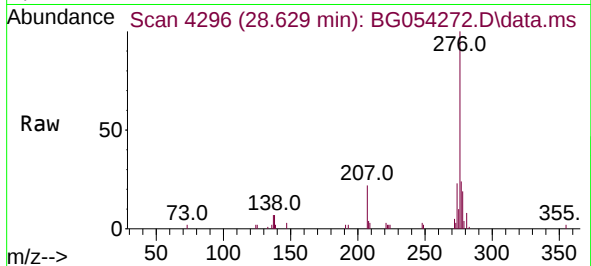




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.210 ng
 RT: 28.629 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

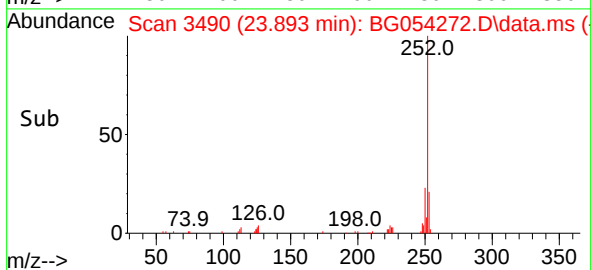
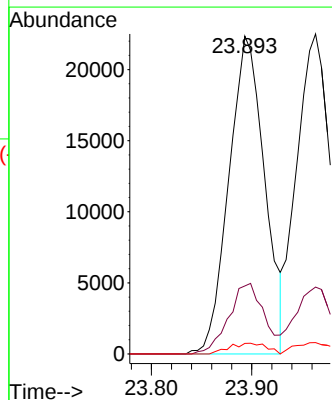
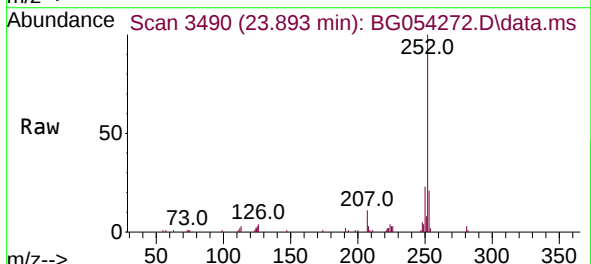
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

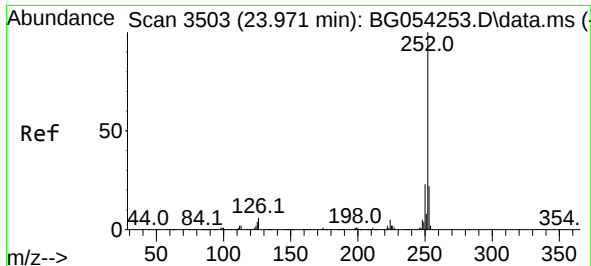
Tgt Ion:276 Resp: 65266
 Ion Ratio Lower Upper
 276 100
 138 4.1 5.0 7.4#
 277 14.9 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 4.530 ng
 RT: 23.893 min Scan# 3490
 Delta R.T. -0.008 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion:252 Resp: 55355
 Ion Ratio Lower Upper
 252 100
 253 21.4 18.0 27.0
 125 3.3 4.6 6.8#

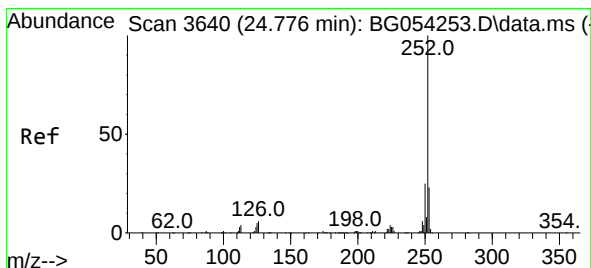
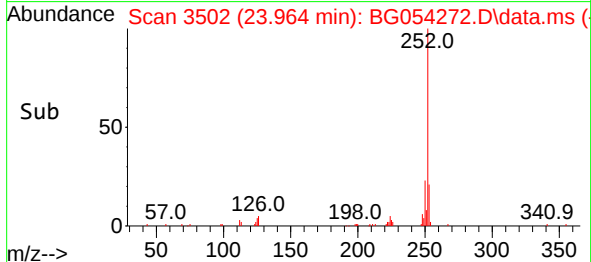
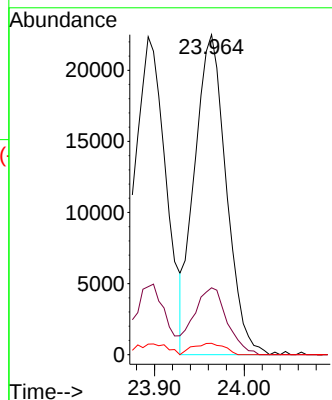
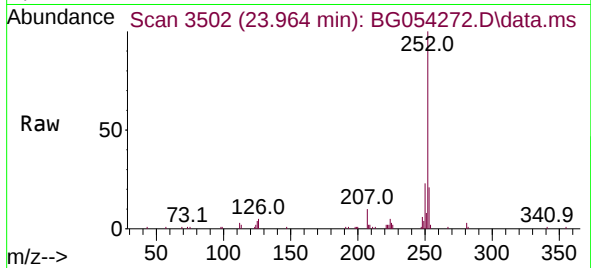




#89
Benzo(k)fluoranthene
Concen: 4.552 ng
RT: 23.964 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

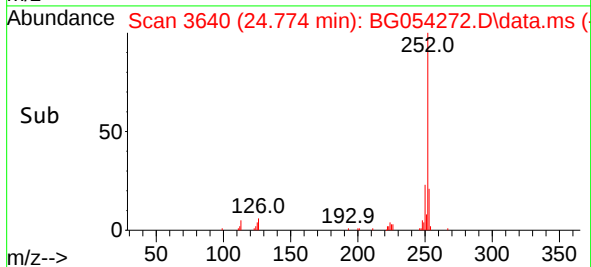
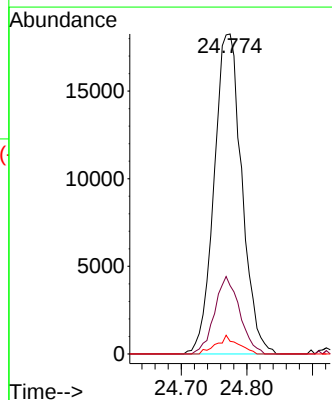
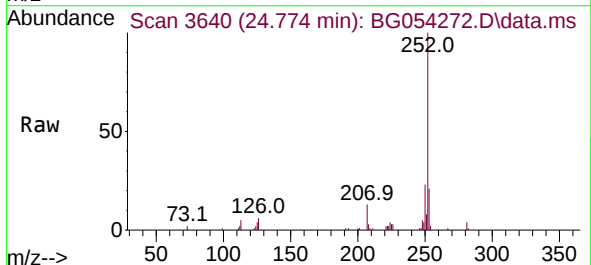
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

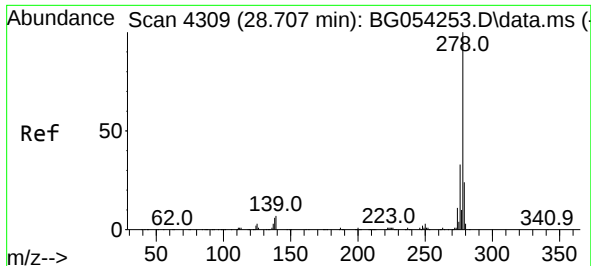
Tgt Ion:252 Resp: 55174
Ion Ratio Lower Upper
252 100
253 20.9 18.4 27.6
125 3.5 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 5.109 ng
RT: 24.774 min Scan# 3640
Delta R.T. -0.002 min
Lab File: BG054272.D
Acq: 13 Jul 2022 15:13

Tgt Ion:252 Resp: 53416
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 3.9 4.3 6.5#

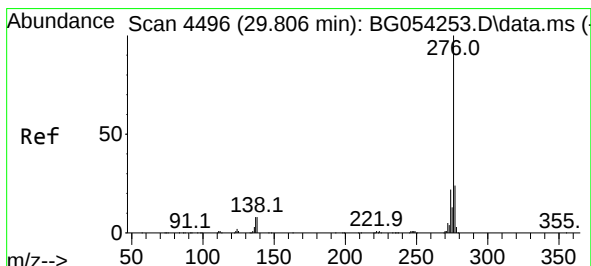
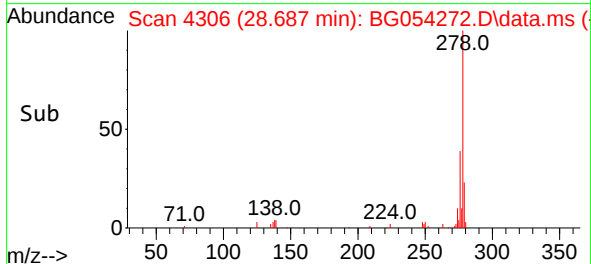
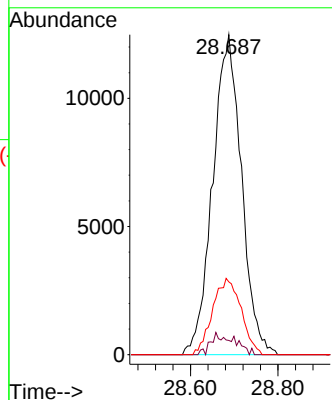
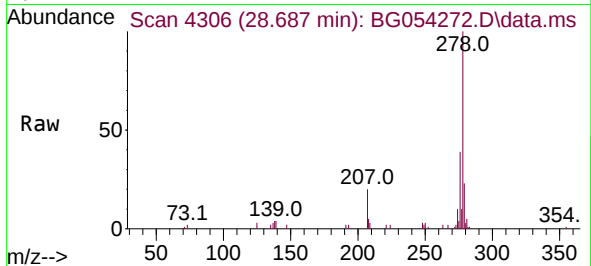




#91
 Dibenzo(a,h)anthracene
 Concen: 4.481 ng
 RT: 28.687 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Tgt Ion:278 Resp: 56904
 Ion Ratio Lower Upper
 278 100
 139 4.4 7.2 10.8#
 279 22.8 18.6 27.8



#92
 Benzo(g,h,i)perylene
 Concen: 4.452 ng
 RT: 29.786 min Scan# 4493
 Delta R.T. -0.020 min
 Lab File: BG054272.D
 Acq: 13 Jul 2022 15:13

Tgt Ion:276 Resp: 56383
 Ion Ratio Lower Upper
 276 100
 277 21.2 17.3 25.9
 138 7.3 9.6 14.4#

