

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054904.D
 Acq On : 9 Sep 2022 19:50
 Operator : CG/JU
 Sample : N4545-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

Quant Time: Sep 10 02:01:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.144	152	34683	20.000	ng	0.00
21) Naphthalene-d8	10.970	136	151921	20.000	ng	# 0.00
39) Acenaphthene-d10	14.777	164	108411	20.000	ng	0.00
64) Phenanthrene-d10	17.527	188	240957	20.000	ng	0.00
76) Chrysene-d12	21.822	240	223321	20.000	ng	0.00
86) Perylene-d12	25.194	264	245543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	287721	144.459	ng	0.00
7) Phenol-d6	7.304	99	393997	144.648	ng	0.00
23) Nitrobenzene-d5	9.319	82	229288	79.231	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	195784	144.526	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	595530	82.565	ng	0.00
79) Terphenyl-d14	20.124	244	936601	83.099	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.514	88	32702	34.385	ng	98
3) Pyridine	3.925	79	91268	34.405	ng	91
4) n-Nitrosodimethylamine	3.843	42	43837	38.228	ng	85
6) Aniline	7.462	93	148841	45.991	ng	95
8) 2-Chlorophenol	7.709	128	123269	56.648	ng	95
9) Benzaldehyde	7.274	77	81297	45.538	ng	97
10) Phenol	7.327	94	153610	54.837	ng	96
11) bis(2-Chloroethyl)ether	7.550	93	109079	48.418	ng	95
12) 1,3-Dichlorobenzene	8.032	146	127782	50.743	ng	97
13) 1,4-Dichlorobenzene	8.179	146	129605	51.024	ng	98
14) 1,2-Dichlorobenzene	8.502	146	126599	52.562	ng	98
15) Benzyl Alcohol	8.385	79	104440	53.074	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.667	45	147181	41.752	ng	94
17) 2-Methylphenol	8.590	107	107632	55.808	ng	97
18) Hexachloroethane	9.231	117	45318	49.201	ng	95
19) n-Nitroso-di-n-propyla...	8.949	70	90208	48.160	ng	# 93
20) 3+4-Methylphenols	8.919	107	148882	55.669	ng	95
22) Acetophenone	8.972	105	179829	47.314	ng	# 95
24) Nitrobenzene	9.360	77	129411	44.366	ng	97
25) Isophorone	9.883	82	262122	48.578	ng	98
26) 2-Nitrophenol	10.077	139	70930	55.050	ng	99
27) 2,4-Dimethylphenol	10.130	122	122294	59.905	ng	96
28) bis(2-Chloroethoxy)met...	10.359	93	158809	51.649	ng	99
29) 2,4-Dichlorophenol	10.617	162	128392	55.294	ng	98
30) 1,2,4-Trichlorobenzene	10.829	180	130884	49.324	ng	98
31) Naphthalene	11.023	128	390836	47.950	ng	100
32) Benzoic acid	10.329	122	21734	20.291	ng	92
33) 4-Chloroaniline	11.129	127	115215	34.672	ng	97
34) Hexachlorobutadiene	11.293	225	86485	50.869	ng	98
35) Caprolactam	11.916	113	26403	32.230	ng	# 79
36) 4-Chloro-3-methylphenol	12.245	107	137172	54.022	ng	98
37) 2-Methylnaphthalene	12.615	142	291509	51.027	ng	99
38) 1-Methylnaphthalene	12.838	142	276668	49.777	ng	99
40) 1,2,4,5-Tetrachloroben...	12.979	216	168096	51.437	ng	99
41) Hexachlorocyclopentadiene	12.950	237	96131	55.467	ng	99
43) 2,4,6-Trichlorophenol	13.220	196	106256	48.986	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.297	196	116748	47.926	ng	98
46) 1,1'-Biphenyl	13.614	154	396977	49.310	ng	99
47) 2-Chloronaphthalene	13.661	162	295783	48.377	ng	99
48) 2-Nitroaniline	13.867	65	87595	45.714	ng	90
49) Acenaphthylene	14.507	152	486847	48.253	ng	99
50) Dimethylphthalate	14.225	163	391083	46.825	ng	99
51) 2,6-Dinitrotoluene	14.354	165	86626	50.708	ng	# 83
52) Acenaphthene	14.848	154	293445	45.278	ng	99
53) 3-Nitroaniline	14.689	138	74994	39.215	ng	92
54) 2,4-Dinitrophenol	14.901	184	53220	57.278	ng	99
55) Dibenzofuran	15.177	168	467694	49.111	ng	99
56) 4-Nitrophenol	15.001	139	124834	84.352	ng	93
57) 2,4-Dinitrotoluene	15.142	165	121714	51.510	ng	# 83
58) Fluorene	15.823	166	390970	48.733	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.406	232	96600	43.991	ng	98
60) Diethylphthalate	15.576	149	391693	46.965	ng	98
61) 4-Chlorophenyl-phenyle...	15.811	204	201101	50.813	ng	97
62) 4-Nitroaniline	15.852	138	89777	45.981	ng	93
63) Azobenzene	16.105	77	340166	42.917	ng	93
65) 4,6-Dinitro-2-methylph...	15.905	198	51960	42.363	ng	94
66) n-Nitrosodiphenylamine	16.029	169	345912	49.780	ng	99
67) 4-Bromophenyl-phenylether	16.704	248	141519	53.494	ng	97
68) Hexachlorobenzene	16.828	284	157681	53.020	ng	95
69) Atrazine	16.969	200	135797	55.394	ng	99
70) Pentachlorophenol	17.180	266	114533	70.880	ng	100
71) Phenanthrene	17.568	178	648450	50.518	ng	99
72) Anthracene	17.662	178	622920	49.915	ng	99
73) Carbazole	17.932	167	563769	49.032	ng	99
74) Di-n-butylphthalate	18.467	149	667763	45.896	ng	99
75) Fluoranthene	19.577	202	789774	50.578	ng	98
77) Benzidine	19.754	184	424868	76.810	ng	100
78) Pyrene	19.936	202	794947	51.050	ng	99
80) Butylbenzylphthalate	20.805	149	303139	46.670	ng	93
81) Benzo(a)anthracene	21.798	228	749396	49.492	ng	100
82) 3,3'-Dichlorobenzidine	21.710	252	184904	34.830	ng	99
83) Chrysene	21.869	228	703747	48.609	ng	99
84) Bis(2-ethylhexyl)phtha...	21.675	149	478563	51.139	ng	99
85) Di-n-octyl phthalate	22.932	149	735868	46.368	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.102	276	897168	48.129	ng	# 96
88) Benzo(b)fluoranthene	24.119	252	800453	51.967	ng	98
89) Benzo(k)fluoranthene	24.190	252	753906	48.634	ng	98
90) Benzo(a)pyrene	25.042	252	701374	53.297	ng	99
91) Dibenzo(a,h)anthracene	29.154	278	761617	50.151	ng	99
92) Benzo(g,h,i)perylene	30.324	276	775843	50.570	ng	97

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

BNA G

ClientSampleId :
HR-SOIL-0908MS

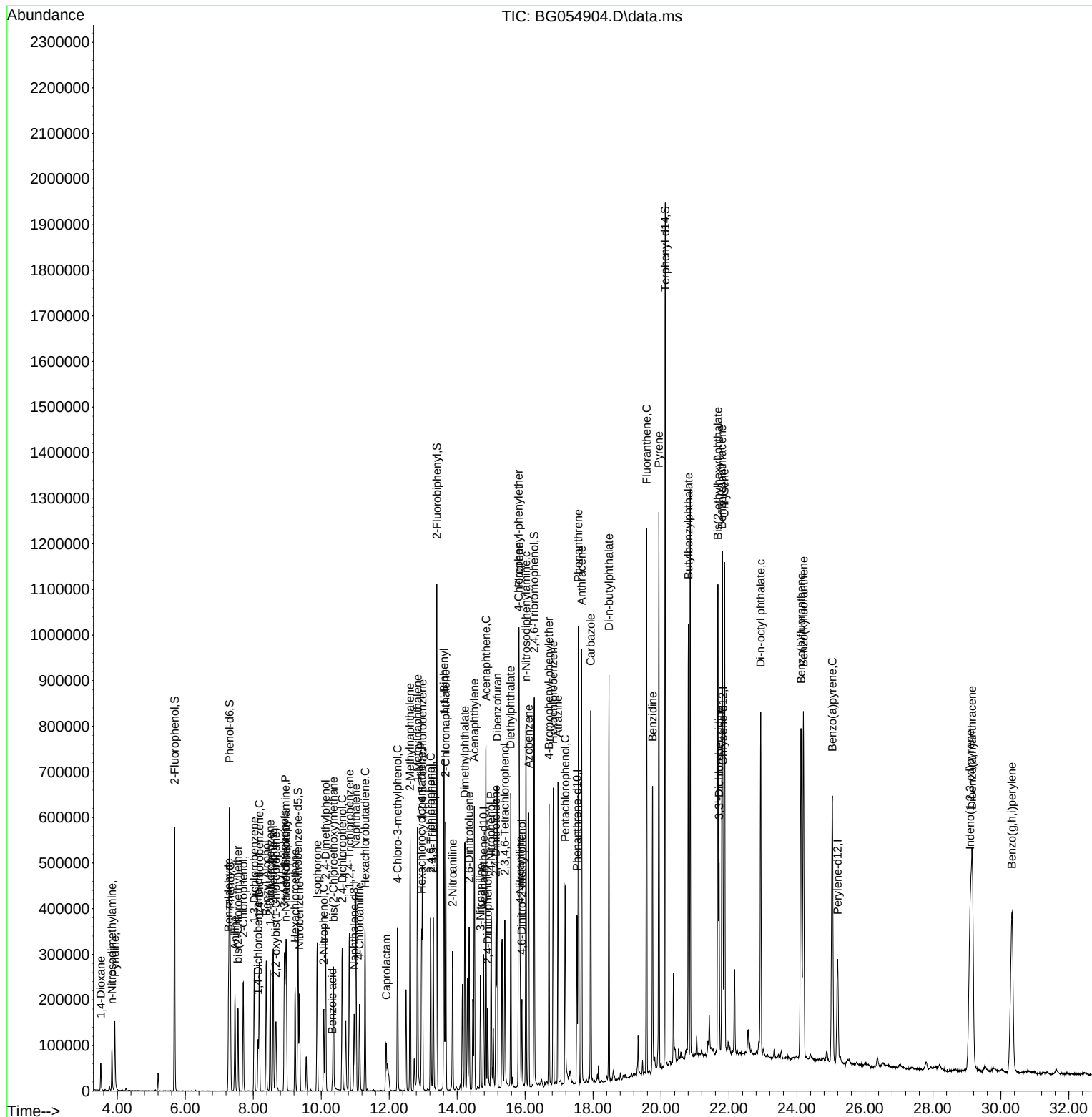
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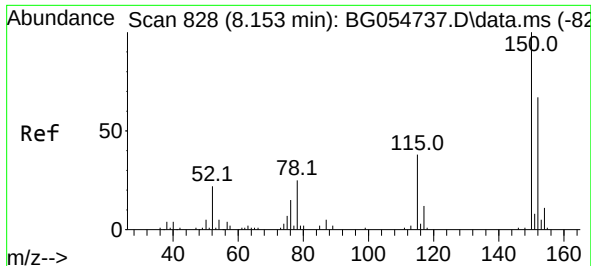
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QLast Update : Sat Sep 10 01:53:42 2022

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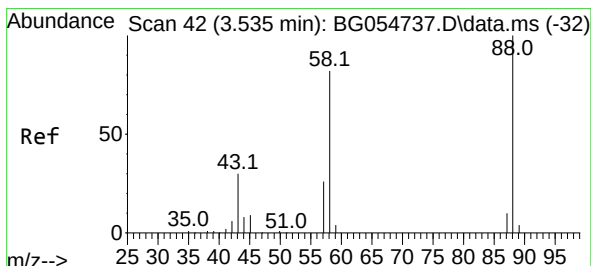
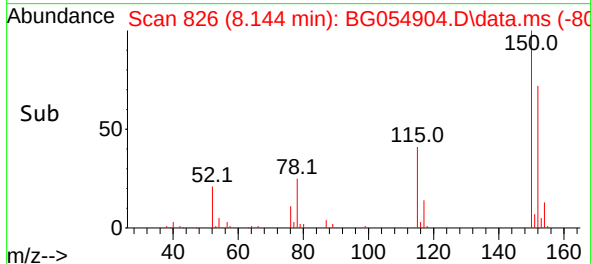
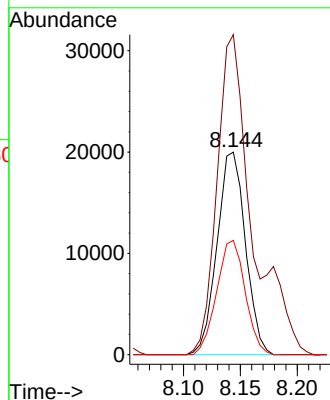
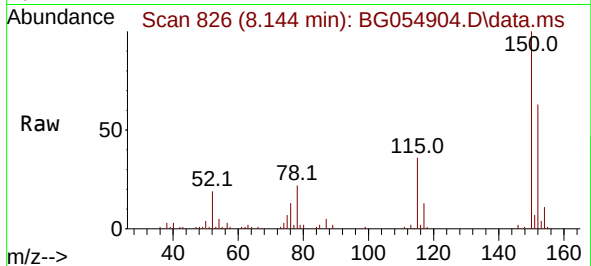




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.144 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054904.D
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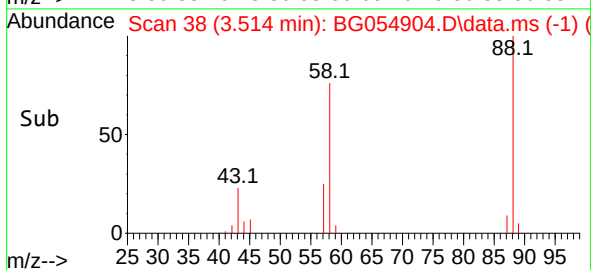
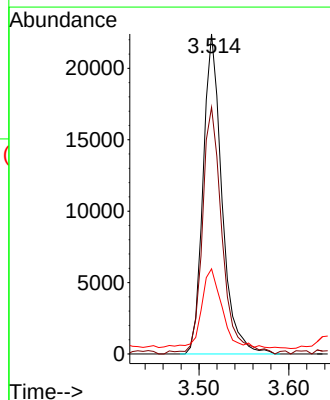
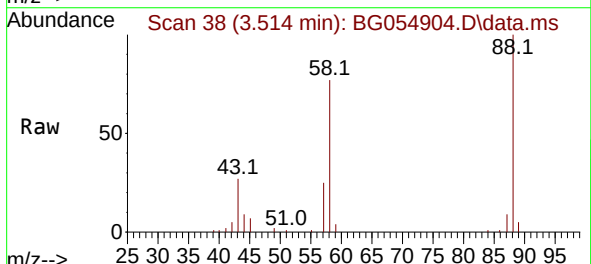
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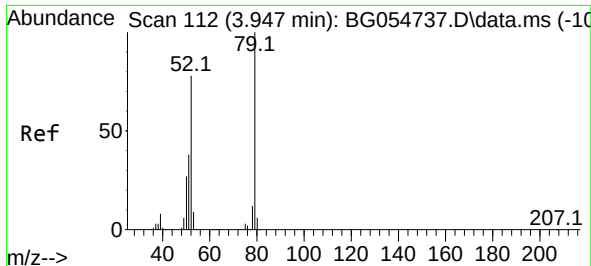
Tgt Ion:152 Resp: 34683
Ion Ratio Lower Upper
152 100
150 158.0 125.2 187.8
115 56.4 47.9 71.9



#2
1,4-Dioxane
Concen: 34.385 ng
RT: 3.514 min Scan# 38
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 88 Resp: 32702
Ion Ratio Lower Upper
88 100
58 80.7 65.9 98.9
43 28.0 22.7 34.1

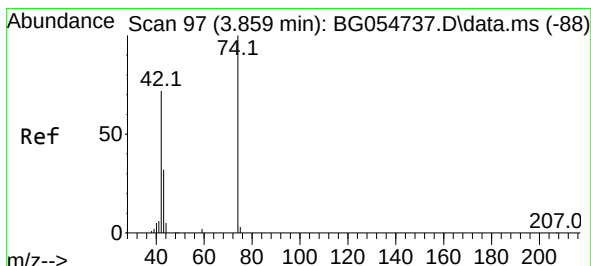
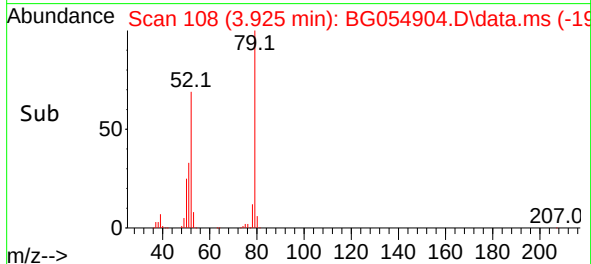
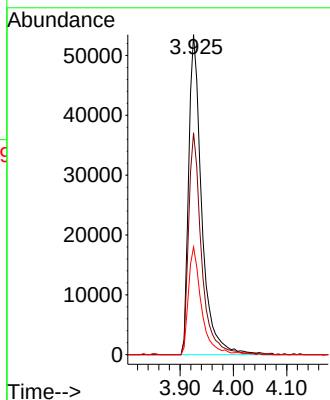
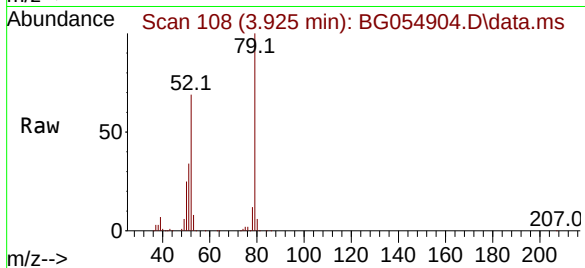




#3
Pyridine
Concen: 34.405 ng
RT: 3.925 min Scan# 10
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

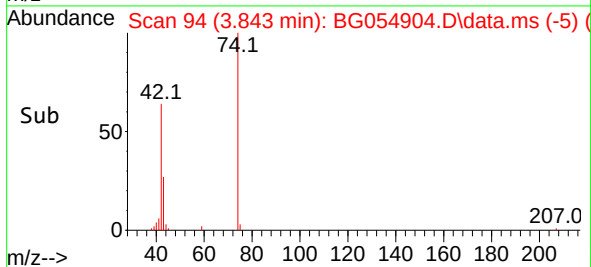
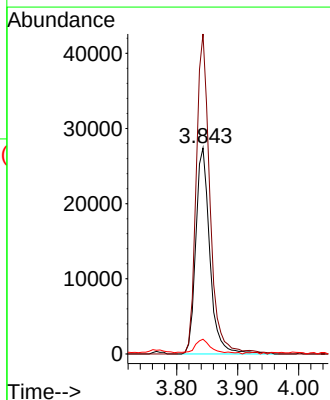
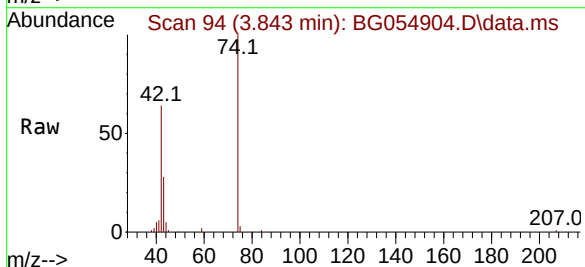
Instrument :
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ClientSampleId :
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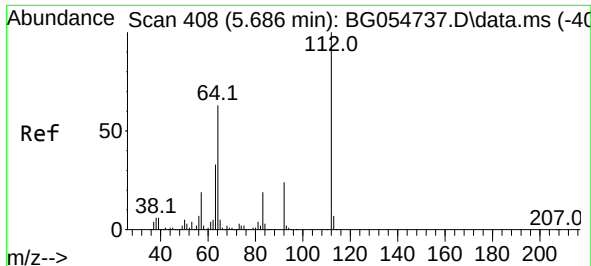
Tgt Ion: 79 Resp: 91268
Ion Ratio Lower Upper
79 100
52 69.3 61.4 92.0
51 33.6 31.4 47.0



#4
n-Nitrosodimethylamine
Concen: 38.228 ng
RT: 3.843 min Scan# 94
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 42 Resp: 43837
Ion Ratio Lower Upper
42 100
74 155.4 109.6 164.4
44 7.2 5.5 8.3

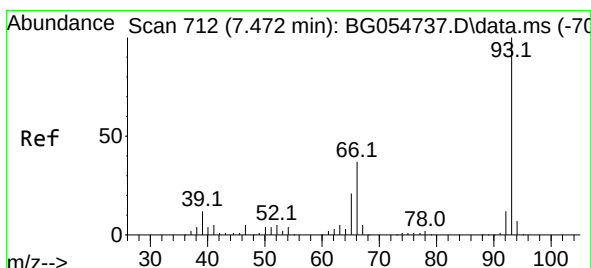
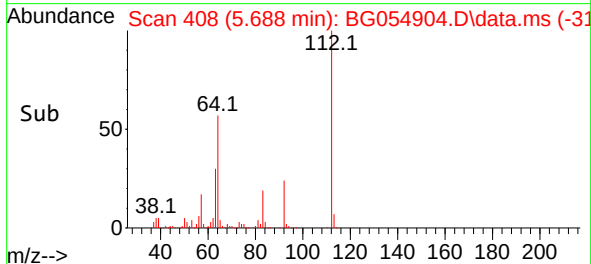
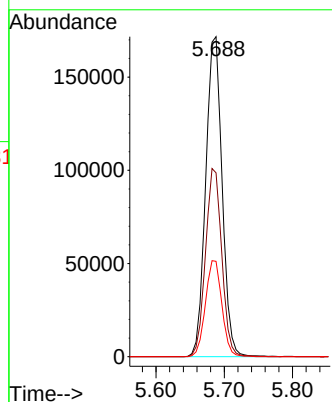
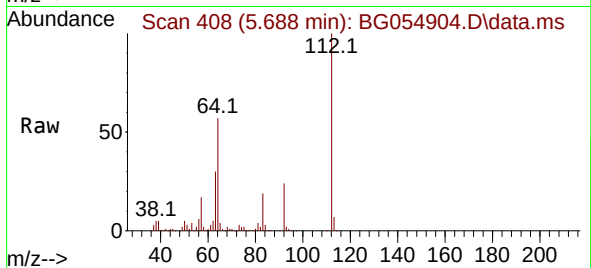




#5
2-Fluorophenol
Concen: 144.459 ng
RT: 5.688 min Scan# 408
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

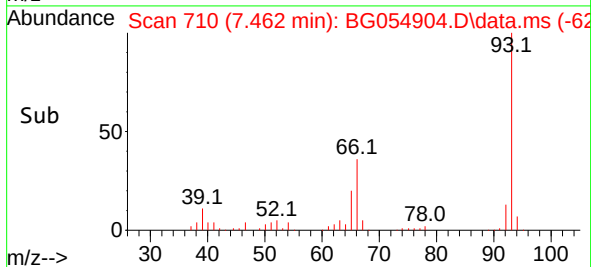
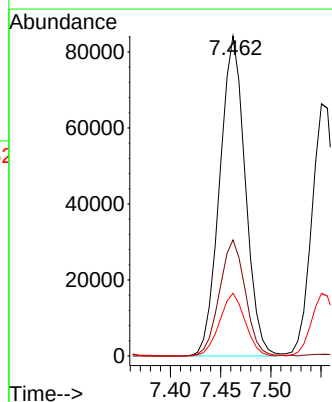
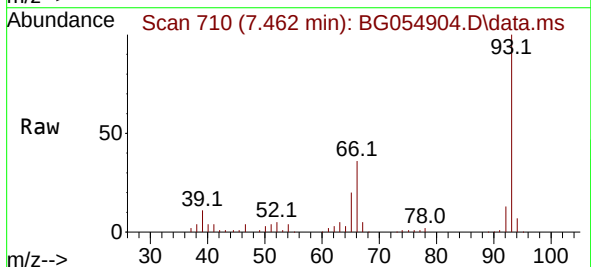
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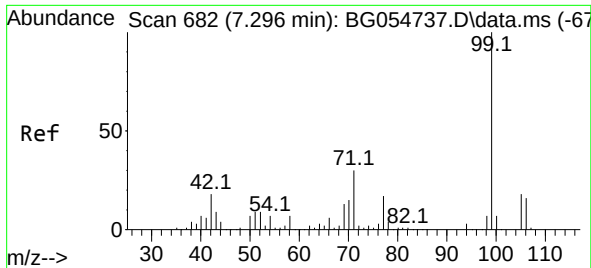
Tgt Ion:112 Resp: 287721
Ion Ratio Lower Upper
112 100
64 57.4 49.3 73.9
63 29.8 26.3 39.5



#6
Aniline
Concen: 45.991 ng
RT: 7.462 min Scan# 710
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 93 Resp: 148841
Ion Ratio Lower Upper
93 100
66 36.2 31.8 47.8
65 19.6 16.6 25.0

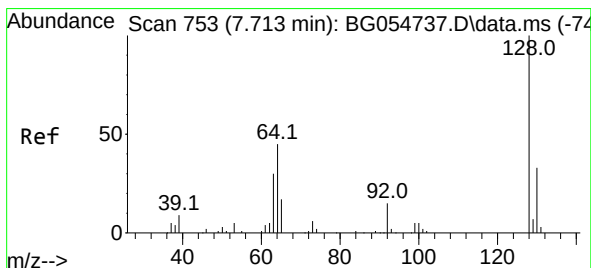
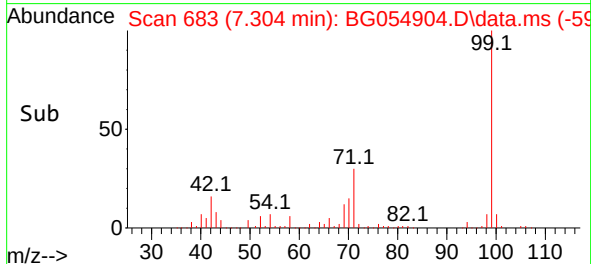
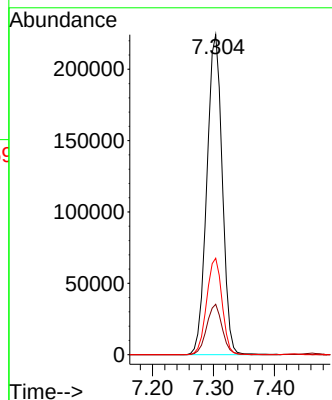
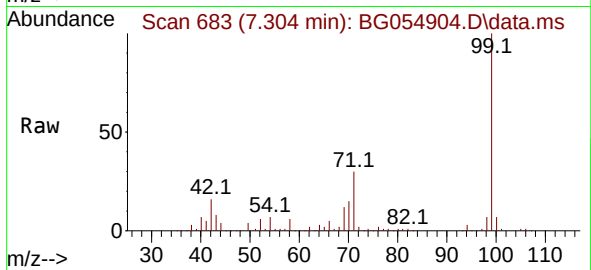




#7
Phenol-d6
Concen: 144.648 ng
RT: 7.304 min Scan# 682
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

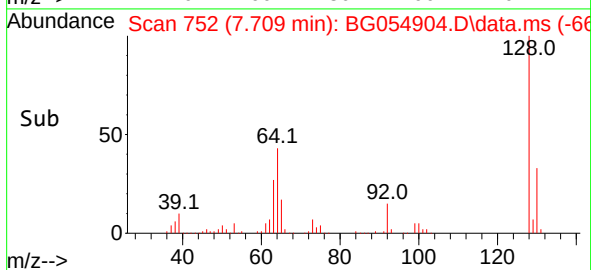
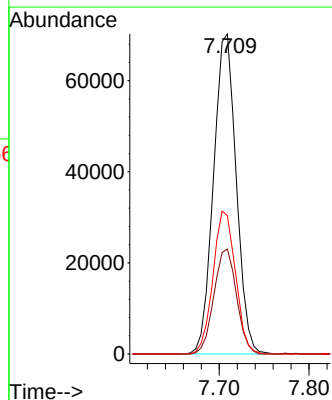
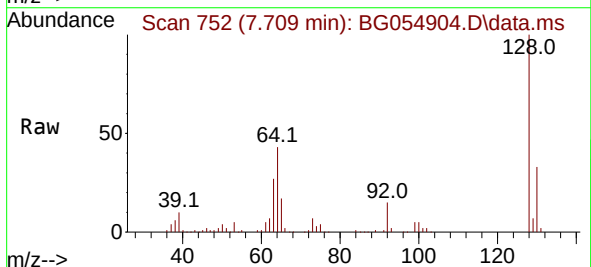
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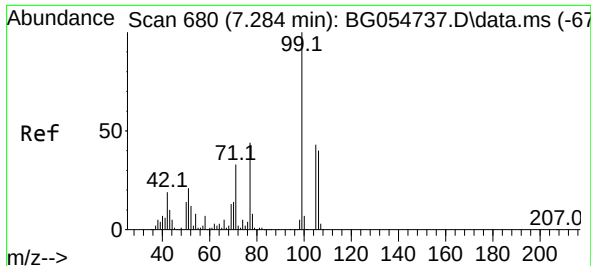
Tgt Ion: 99 Resp: 393997
Ion Ratio Lower Upper
99 100
42 15.7 14.6 22.0
71 30.1 24.6 37.0



#8
2-Chlorophenol
Concen: 56.648 ng
RT: 7.709 min Scan# 752
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:128 Resp: 123269
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 43.3 28.6 68.6

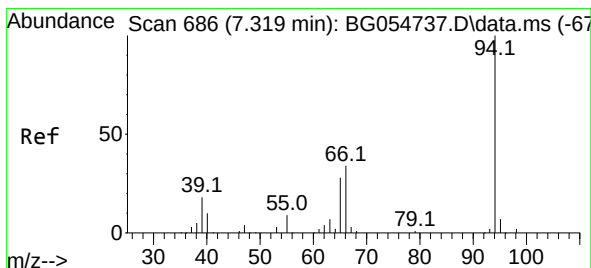
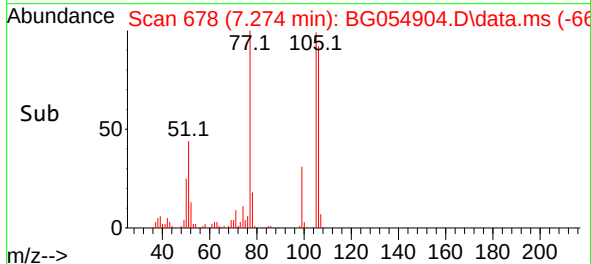
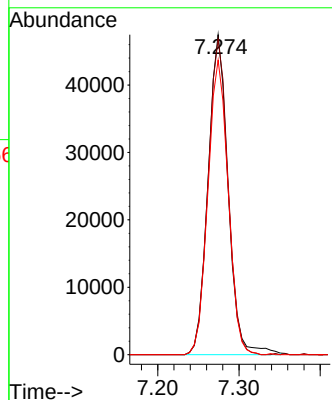
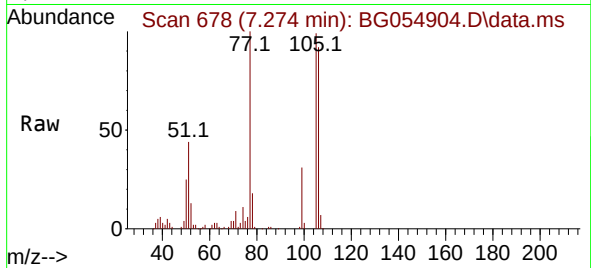




#9
Benzaldehyde
Concen: 45.538 ng
RT: 7.274 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

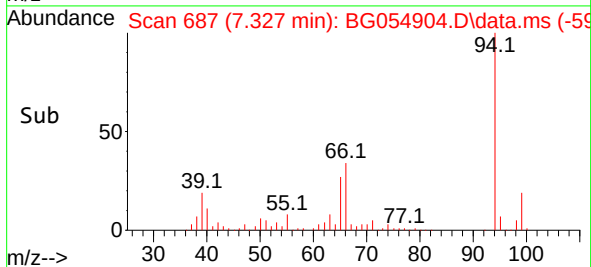
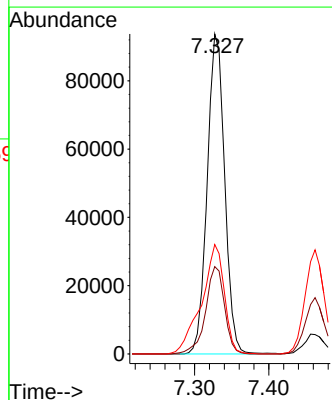
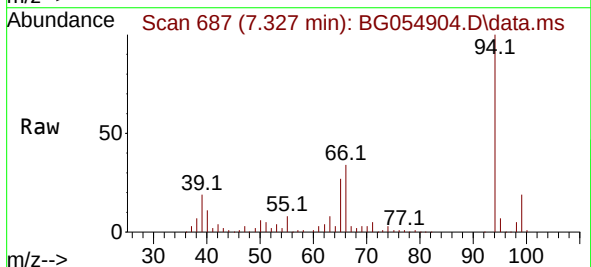
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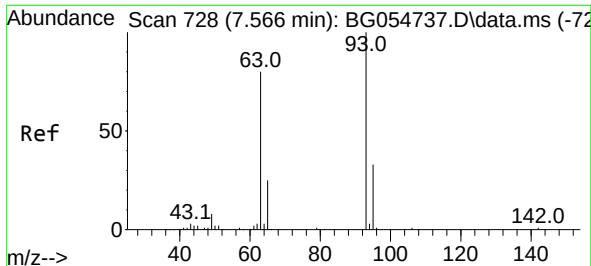
Tgt Ion: 77 Resp: 81297
Ion Ratio Lower Upper
77 100
105 98.5 75.3 115.3
106 92.0 70.2 110.2



#10
Phenol
Concen: 54.837 ng
RT: 7.327 min Scan# 687
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 94 Resp: 153610
Ion Ratio Lower Upper
94 100
65 27.3 9.9 49.9
66 34.2 16.4 56.4

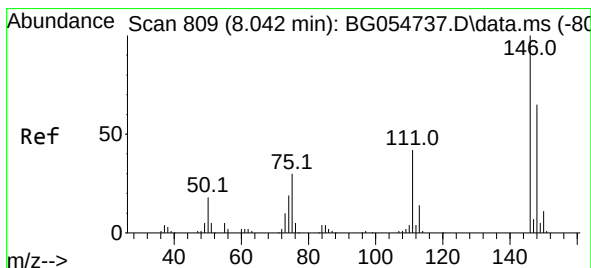
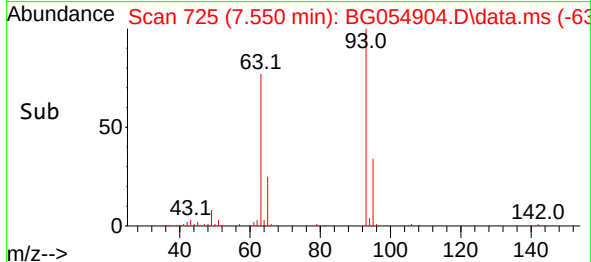
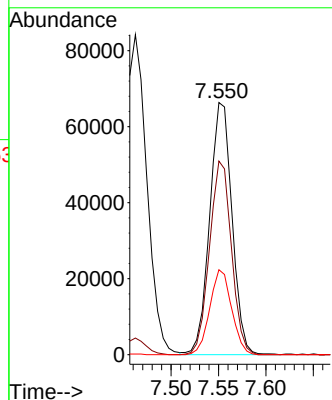
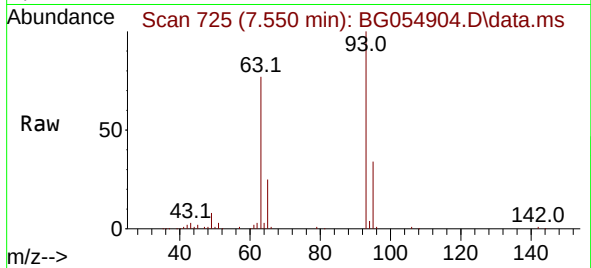




#11
bis(2-Chloroethyl)ether
Concen: 48.418 ng
RT: 7.550 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

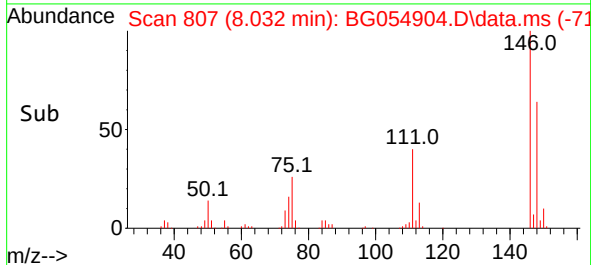
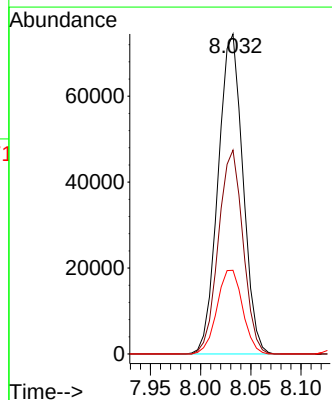
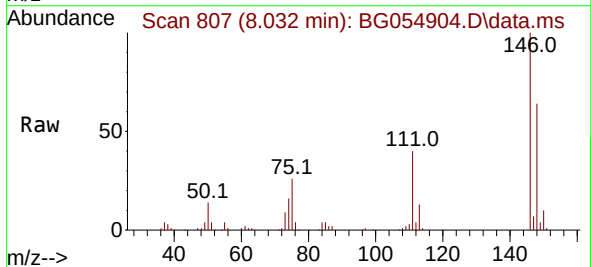
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

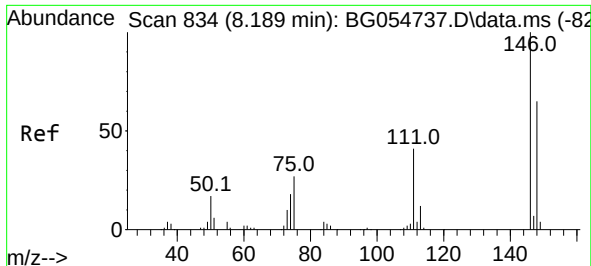
Tgt Ion: 93 Resp: 109079
Ion Ratio Lower Upper
93 100
63 76.8 62.1 102.1
95 33.7 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 50.743 ng
RT: 8.032 min Scan# 807
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 146 Resp: 127782
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
75 26.2 24.3 36.5





#13

1,4-Dichlorobenzene

Concen: 51.024 ng

RT: 8.179 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

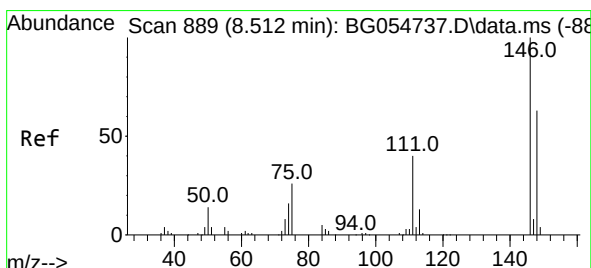
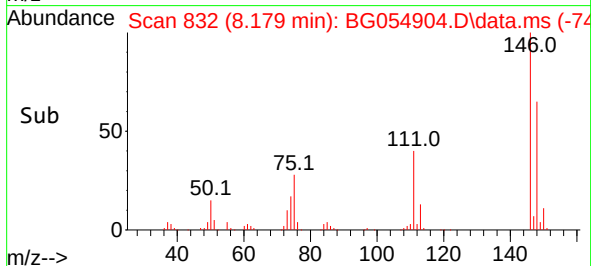
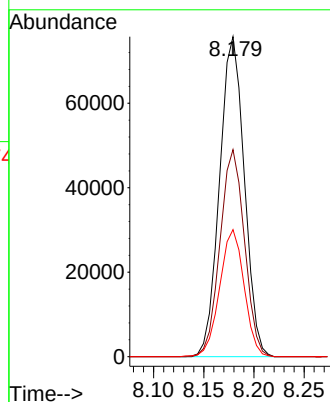
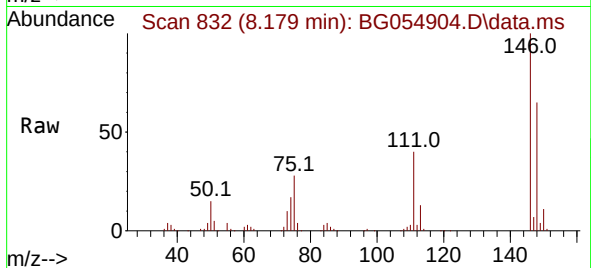
Tgt Ion:146 Resp: 129605

Ion Ratio Lower Upper

146 100

148 64.7 50.4 75.6

111 39.7 33.0 49.4



#14

1,2-Dichlorobenzene

Concen: 52.562 ng

RT: 8.502 min Scan# 887

Delta R.T. 0.004 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

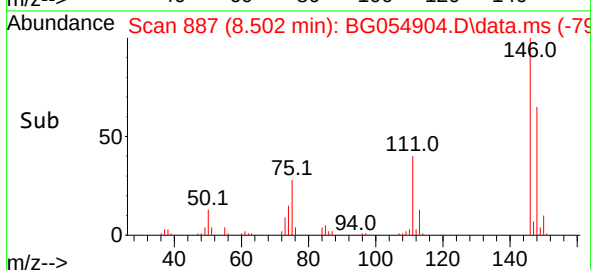
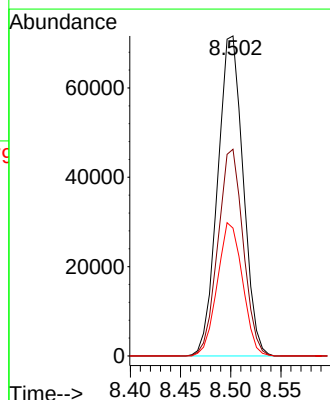
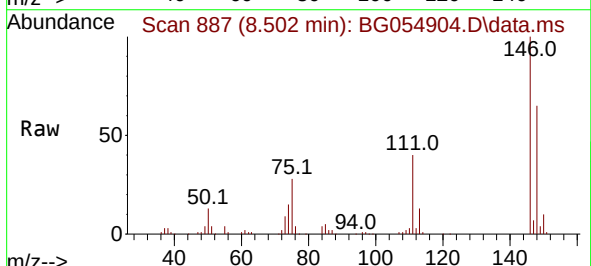
Tgt Ion:146 Resp: 126599

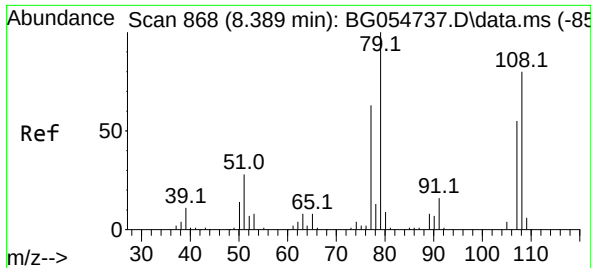
Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

111 40.0 34.3 51.5

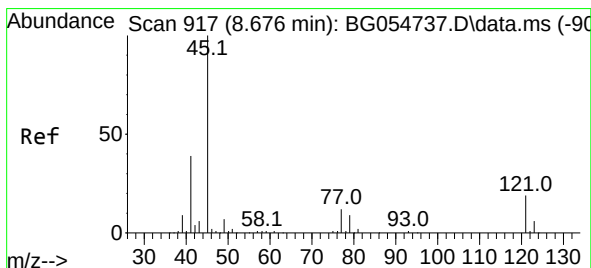
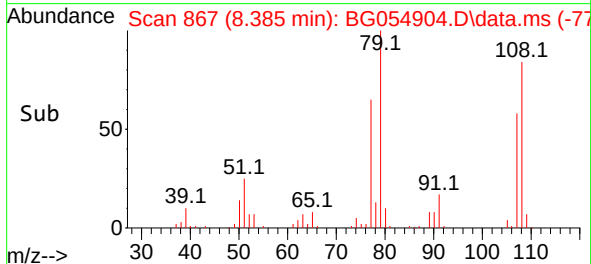
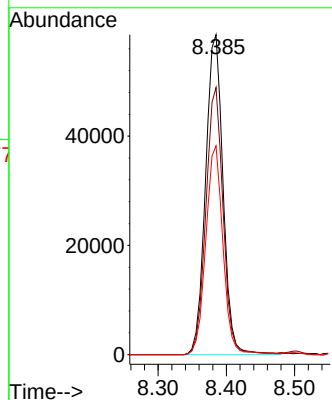
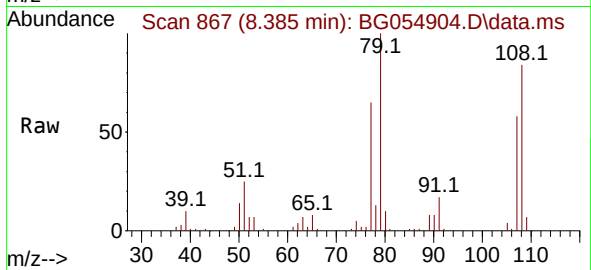




#15
Benzyl Alcohol
Concen: 53.074 ng
RT: 8.385 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

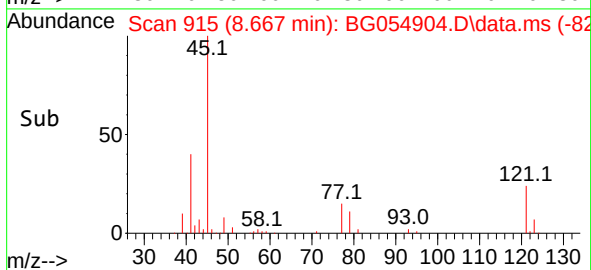
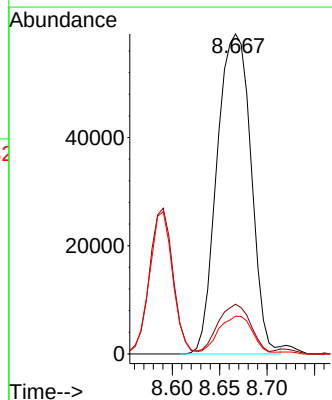
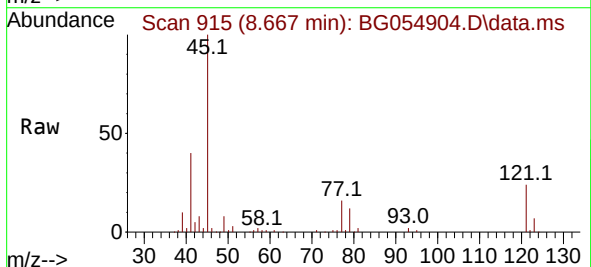
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

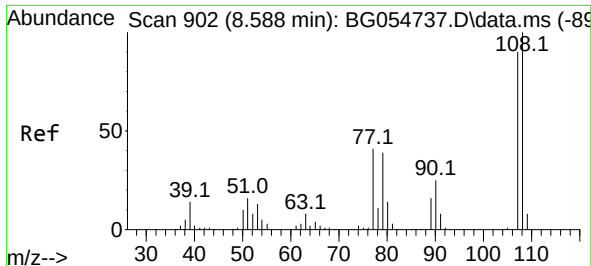
Tgt Ion: 79 Resp: 104440
Ion Ratio Lower Upper
79 100
108 83.5 63.4 95.0
77 65.3 55.0 82.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.752 ng
RT: 8.667 min Scan# 915
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 45 Resp: 147181
Ion Ratio Lower Upper
45 100
77 15.6 0.0 32.8
79 11.8 0.0 30.4





#17

2-Methylphenol

Concen: 55.808 ng

RT: 8.590 min Scan# 90

Delta R.T. 0.004 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

Tgt Ion:107 Resp: 107632

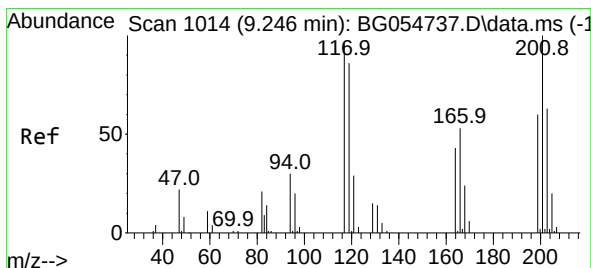
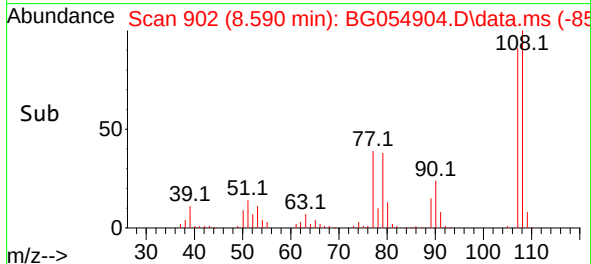
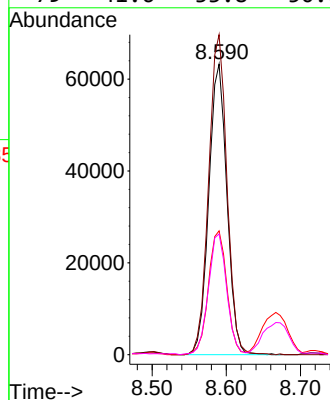
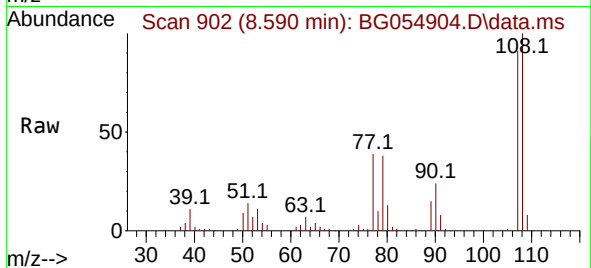
Ion Ratio Lower Upper

107 100

108 110.1 85.6 128.4

77 42.6 35.8 53.8

79 41.6 33.8 50.6



#18

Hexachloroethane

Concen: 49.201 ng

RT: 9.231 min Scan# 1011

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

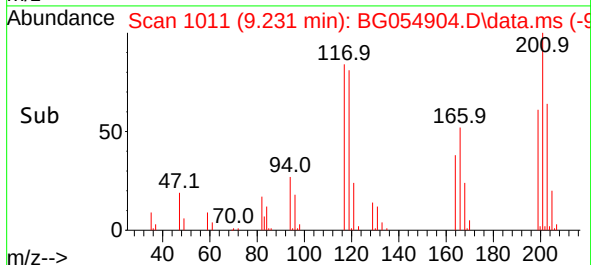
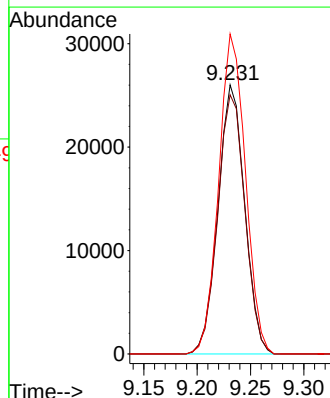
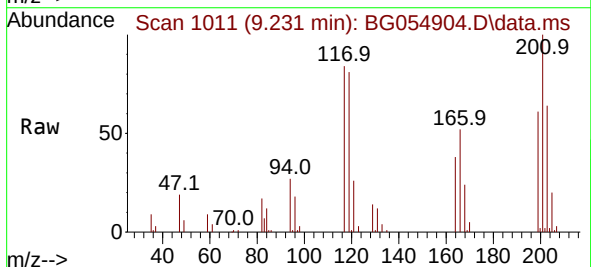
Tgt Ion:117 Resp: 45318

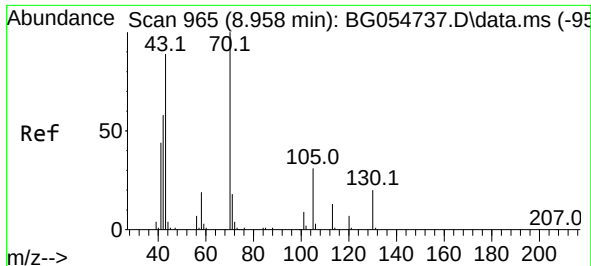
Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6

201 118.9 87.2 130.8

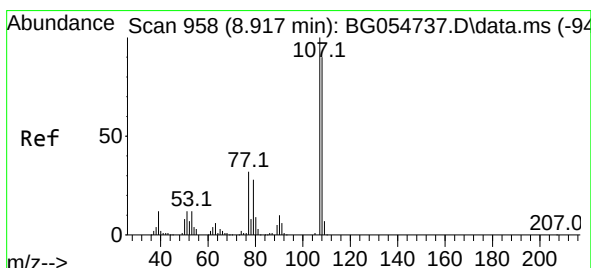
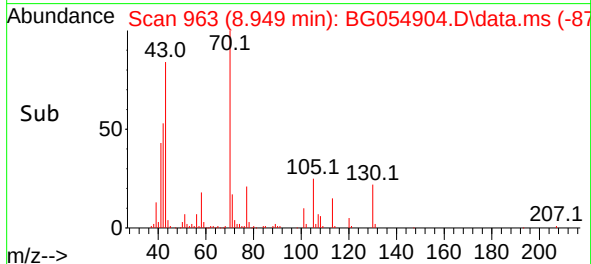
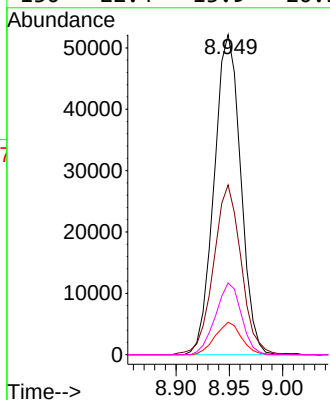
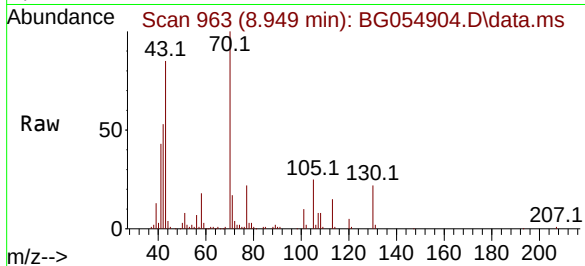




#19
n-Nitroso-di-n-propylamine
Concen: 48.160 ng
RT: 8.949 min Scan# 90
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

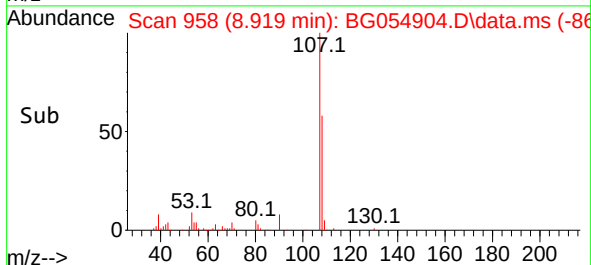
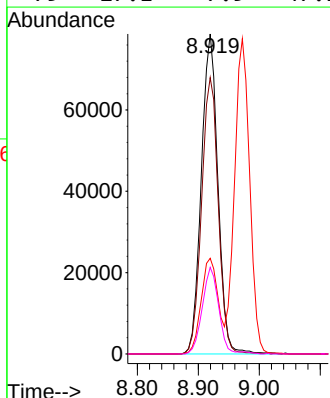
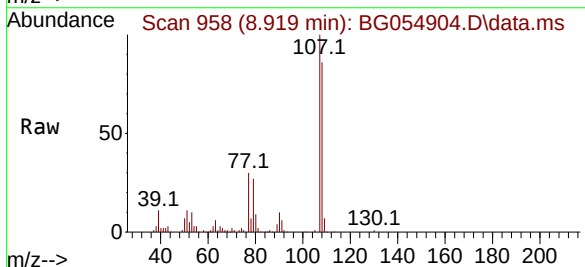
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

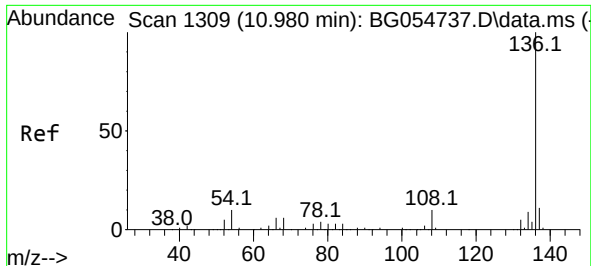
Tgt Ion: 70 Resp: 90208
Ion Ratio Lower Upper
70 100
42 53.0 46.6 69.8
101 10.1 7.7 11.5
130 22.4 13.9 20.9#



#20
3+4-Methylphenols
Concen: 55.669 ng
RT: 8.919 min Scan# 958
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 107 Resp: 148882
Ion Ratio Lower Upper
107 100
108 86.4 71.6 111.6
77 29.9 13.1 53.1
79 27.1 7.9 47.9

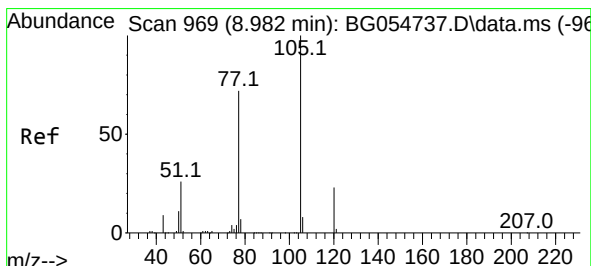
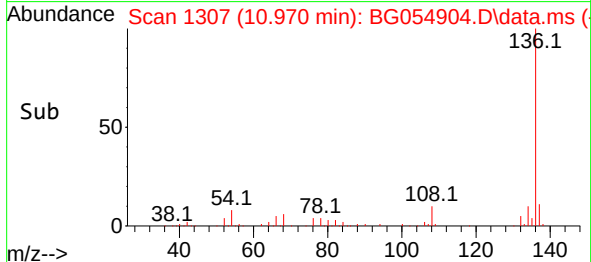
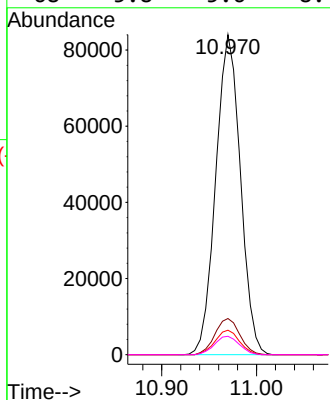
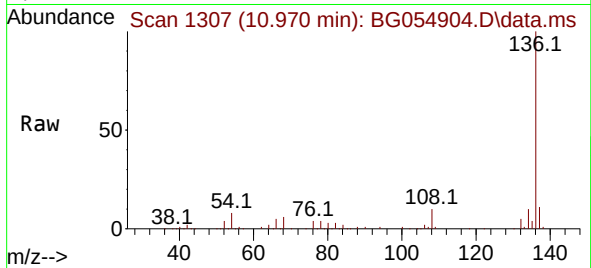




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

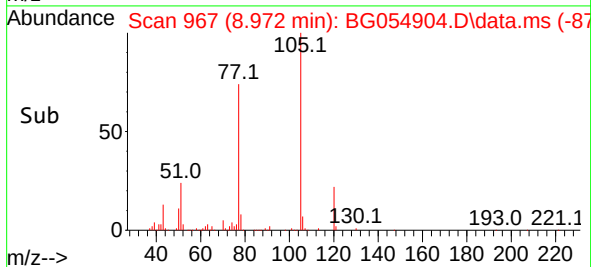
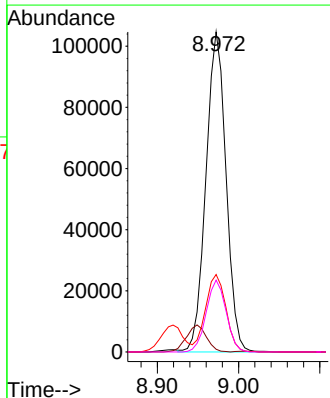
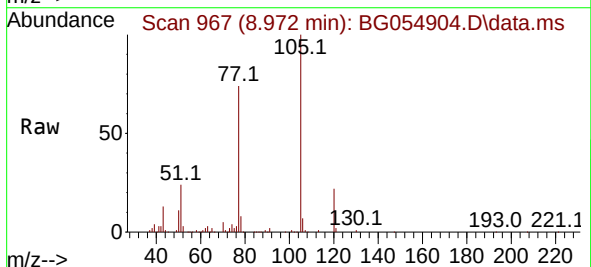
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

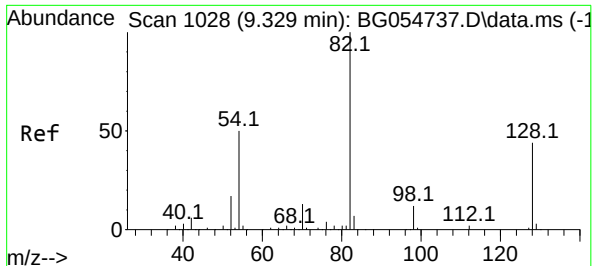
Tgt Ion:136 Resp: 151921
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 7.7 7.7 11.5#
68 5.8 5.6 8.4



#22
Acetophenone
Concen: 47.314 ng
RT: 8.972 min Scan# 967
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:105 Resp: 179829
Ion Ratio Lower Upper
105 100
71 0.9 1.2 1.8#
51 24.2 22.9 34.3
120 22.5 17.4 26.2





#23

Nitrobenzene-d5

Concen: 79.231 ng

RT: 9.319 min Scan# 1026

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

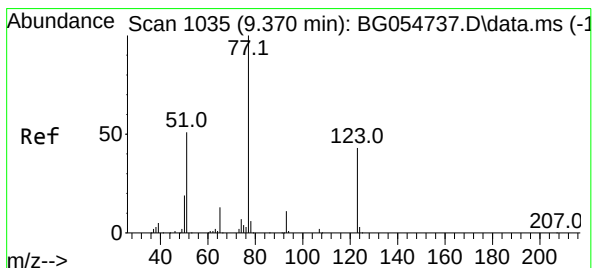
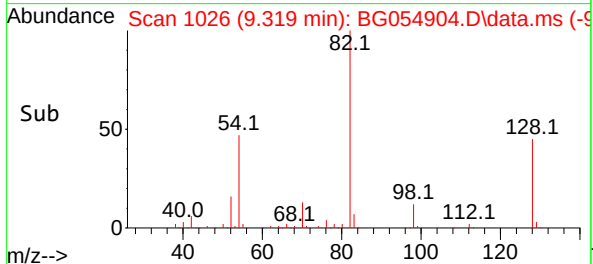
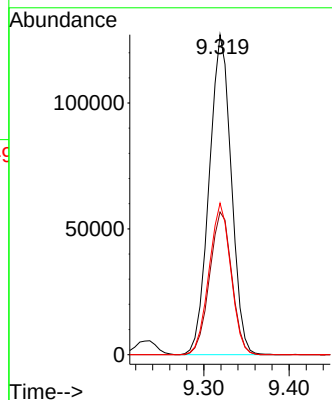
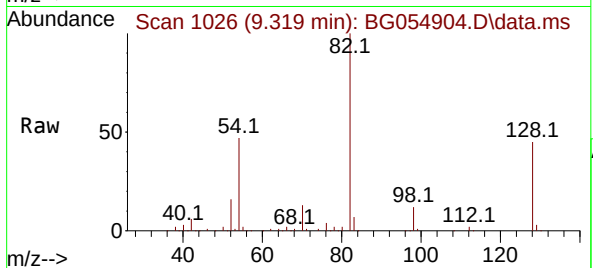
Tgt Ion: 82 Resp: 229288

Ion Ratio Lower Upper

82 100

128 44.6 32.2 48.2

54 47.3 41.4 62.0



#24

Nitrobenzene

Concen: 44.366 ng

RT: 9.360 min Scan# 1033

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

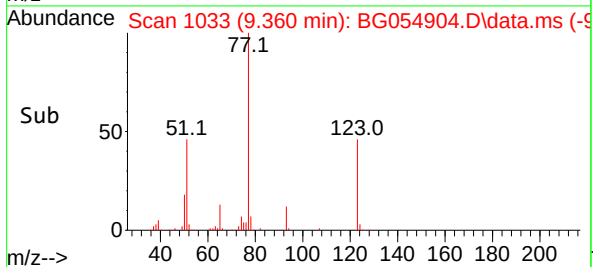
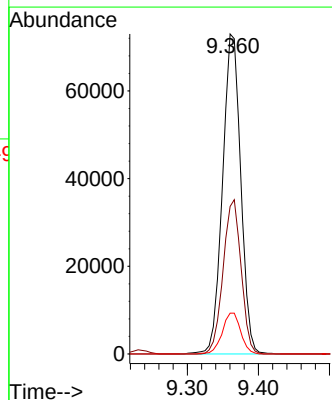
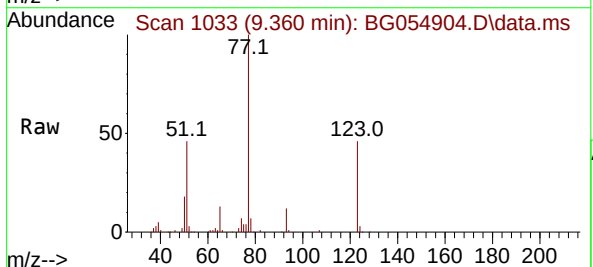
Tgt Ion: 77 Resp: 129411

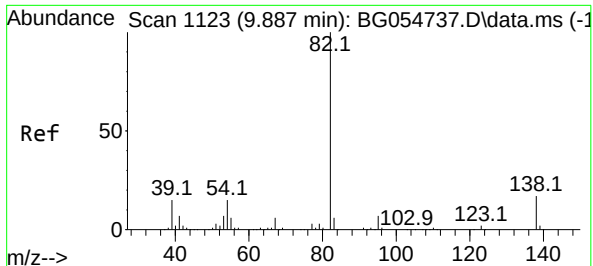
Ion Ratio Lower Upper

77 100

123 46.1 35.0 52.6

65 12.7 10.2 15.2

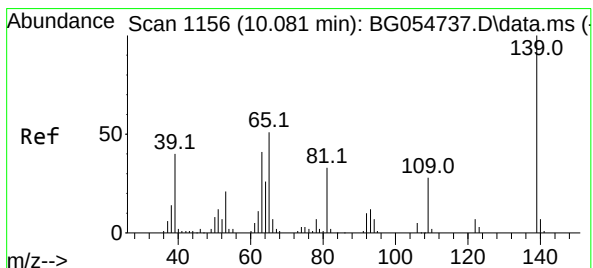
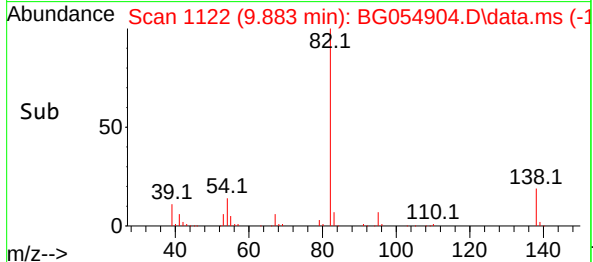
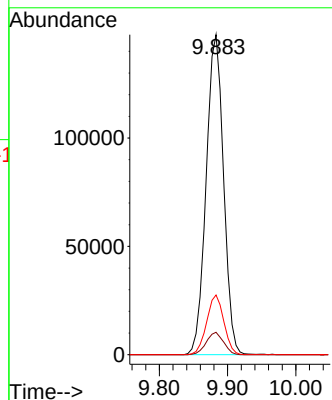
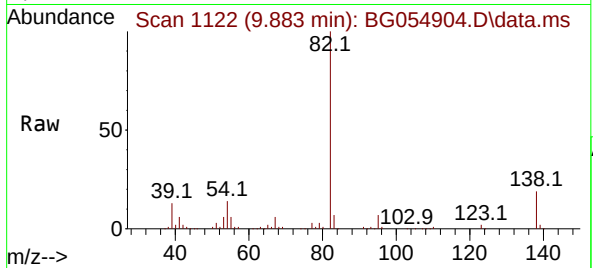




#25
Isophorone
Concen: 48.578 ng
RT: 9.883 min Scan# 1123
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

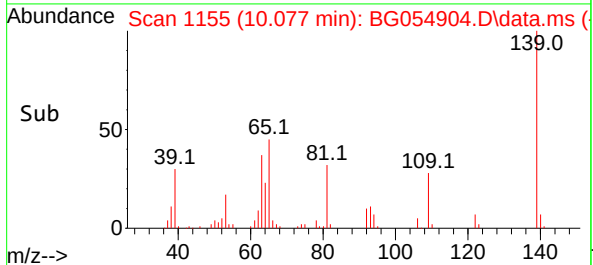
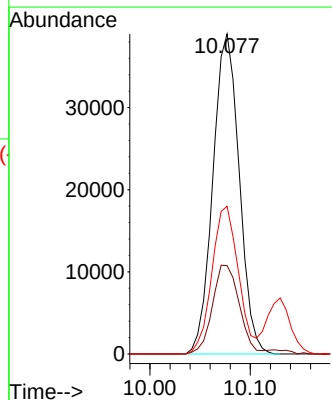
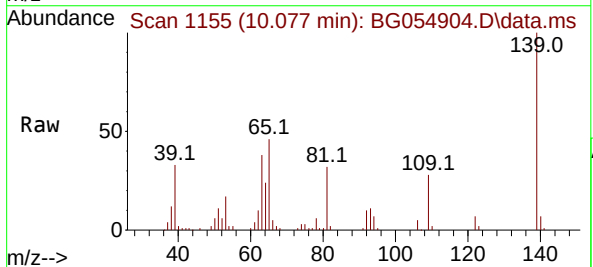
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

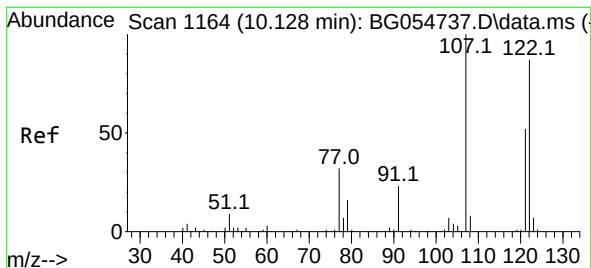
Tgt Ion: 82 Resp: 262122
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 18.7 13.9 20.9



#26
2-Nitrophenol
Concen: 55.050 ng
RT: 10.077 min Scan# 1155
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:139 Resp: 70930
Ion Ratio Lower Upper
139 100
109 27.6 21.8 32.6
65 46.2 37.4 56.0





#27

2,4-Dimethylphenol

Concen: 59.905 ng

RT: 10.130 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

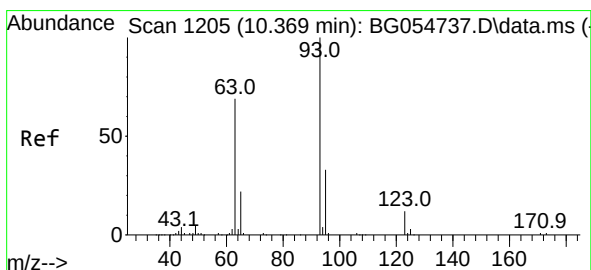
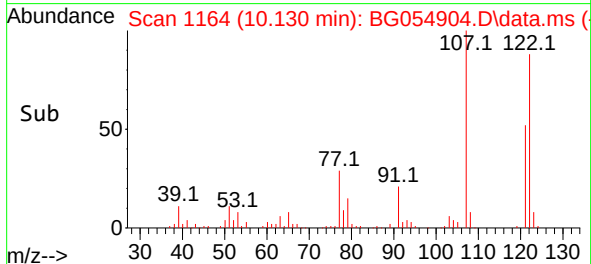
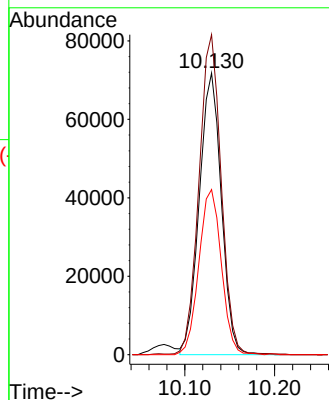
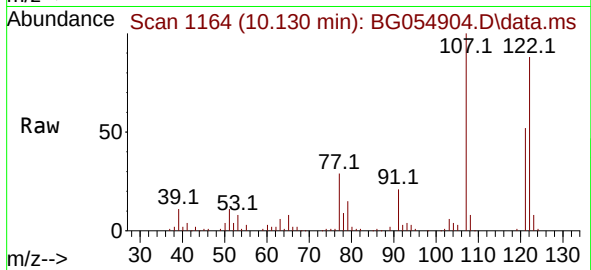
Tgt Ion:122 Resp: 122294

Ion Ratio Lower Upper

122 100

107 113.6 94.6 142.0

121 58.6 49.8 74.6



#28

bis(2-Chloroethoxy)methane

Concen: 51.649 ng

RT: 10.359 min Scan# 1203

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

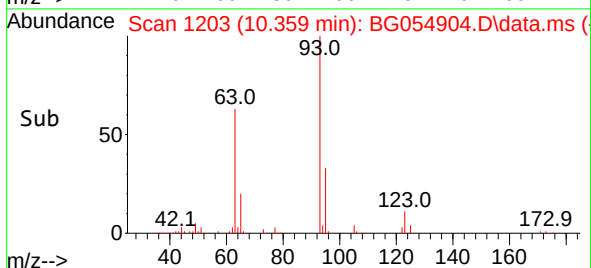
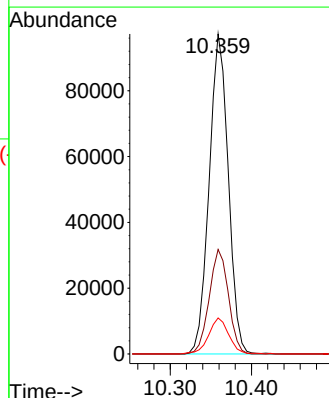
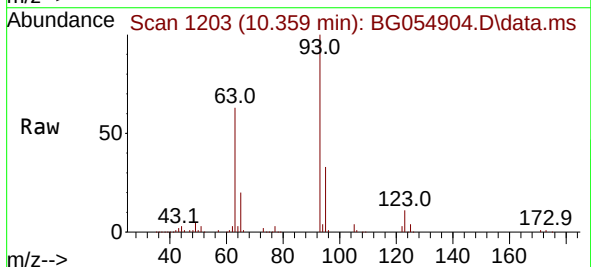
Tgt Ion: 93 Resp: 158809

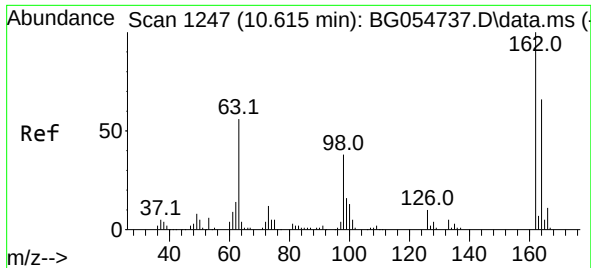
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 11.2 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 55.294 ng

RT: 10.617 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

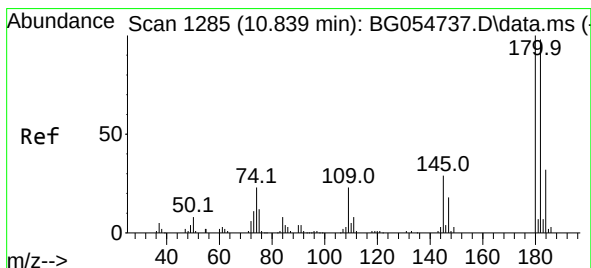
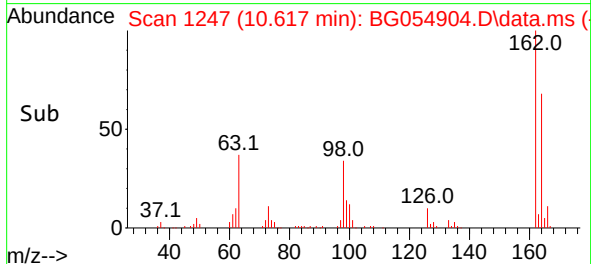
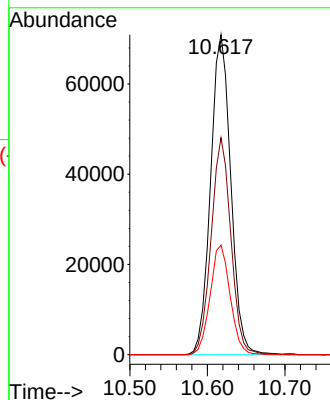
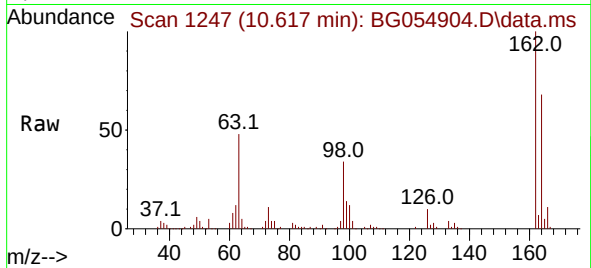
Tgt Ion:162 Resp: 128392

Ion Ratio Lower Upper

162 100

164 67.8 47.2 87.2

98 34.3 16.6 56.6



#30

1,2,4-Trichlorobenzene

Concen: 49.324 ng

RT: 10.829 min Scan# 1283

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

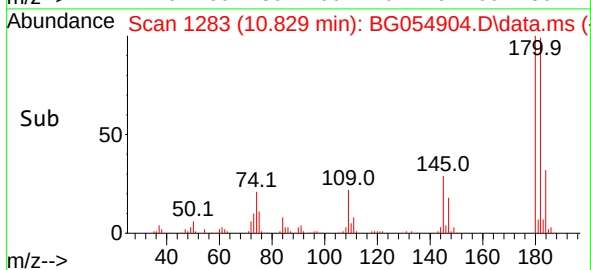
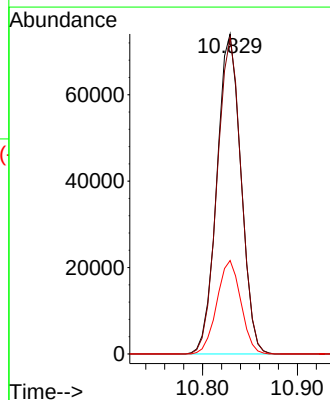
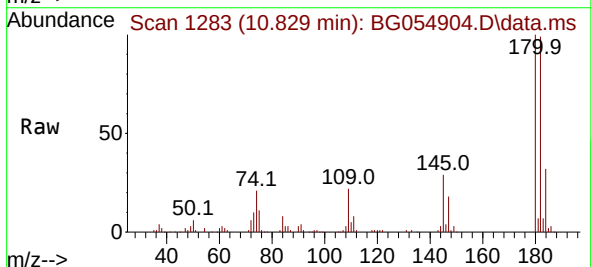
Tgt Ion:180 Resp: 130884

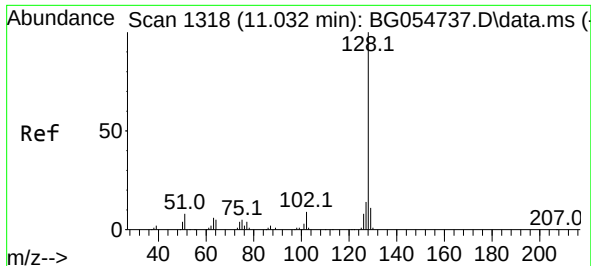
Ion Ratio Lower Upper

180 100

182 98.9 77.0 115.6

145 29.2 24.0 36.0

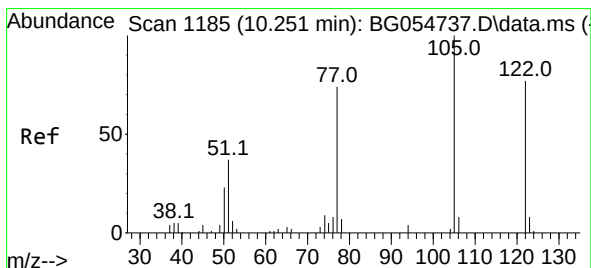
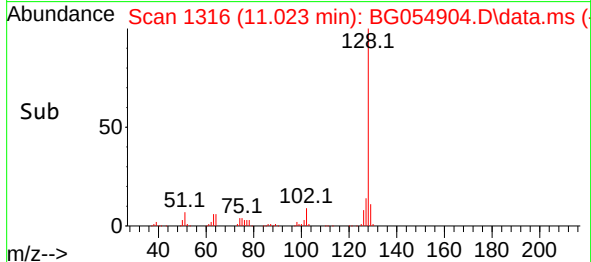
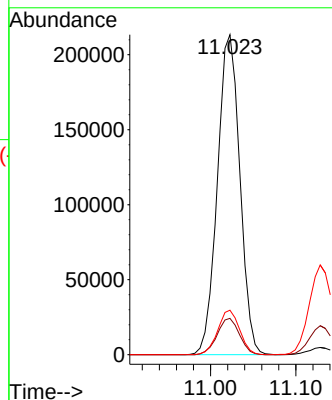
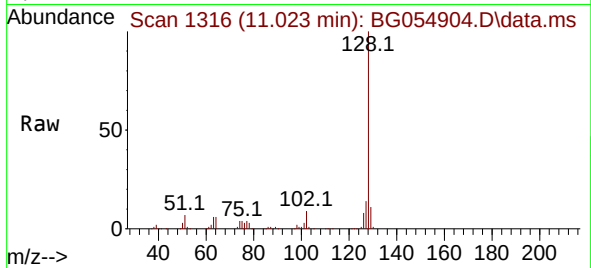




#31
Naphthalene
Concen: 47.950 ng
RT: 11.023 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

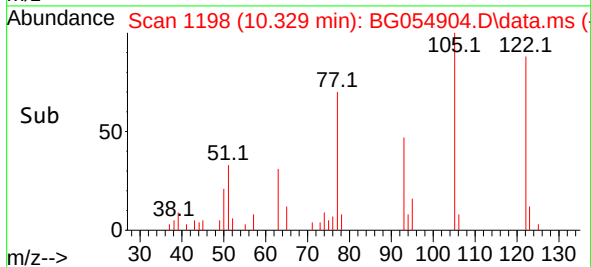
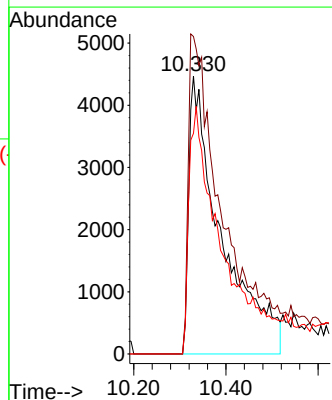
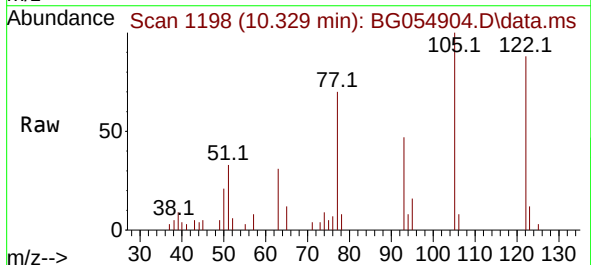
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

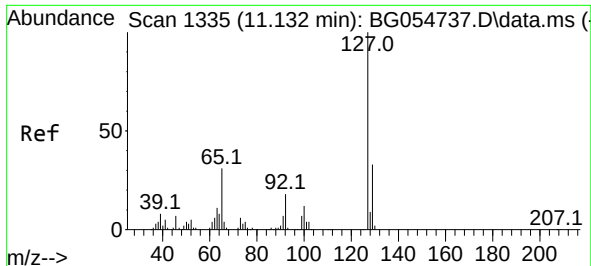
Tgt Ion:128 Resp: 390836
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.9 11.1 16.7



#32
Benzoic acid
Concen: 20.291 ng
RT: 10.329 min Scan# 1198
Delta R.T. -0.014 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:122 Resp: 21734
Ion Ratio Lower Upper
122 100
105 114.2 101.5 141.5
77 79.4 69.3 109.3

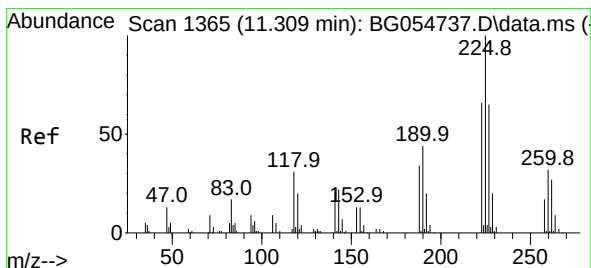
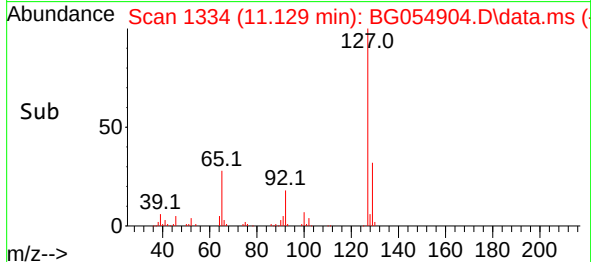
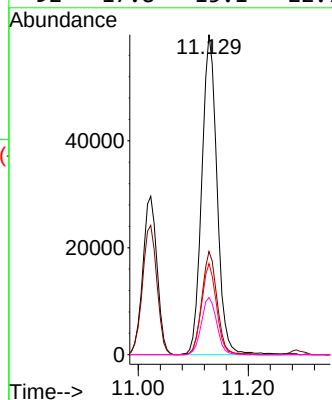
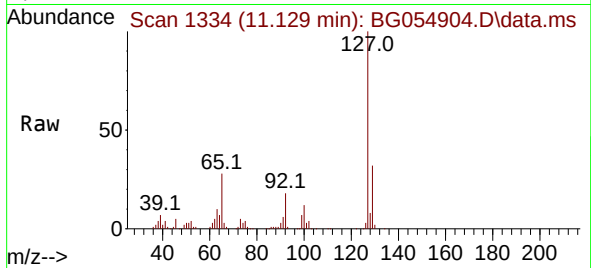




#33
4-Chloroaniline
Concen: 34.672 ng
RT: 11.129 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

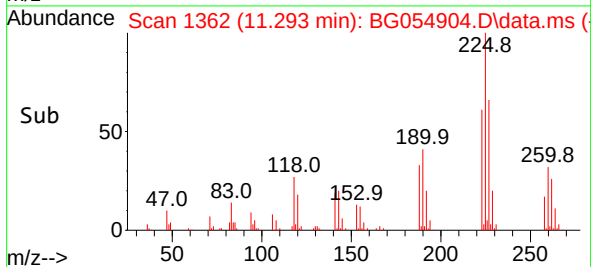
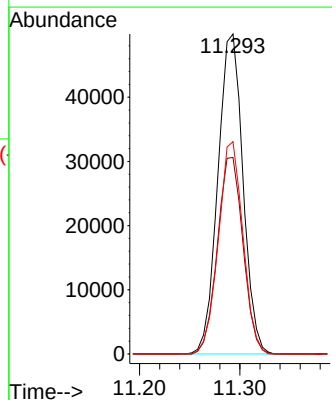
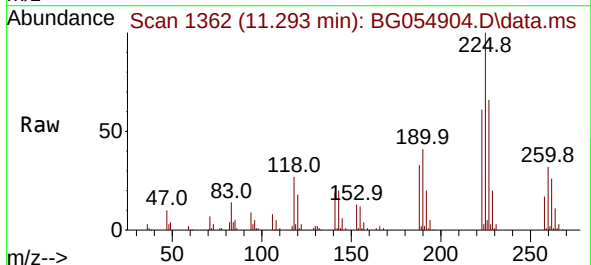
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

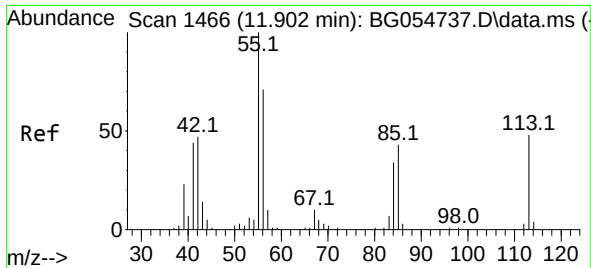
Tgt Ion:	127	Resp:	115215
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	28.4	25.8	38.8
92	17.8	15.1	22.7



#34
Hexachlorobutadiene
Concen: 50.869 ng
RT: 11.293 min Scan# 1362
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:	225	Resp:	86485
Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.4	77.0
227	66.3	52.6	79.0

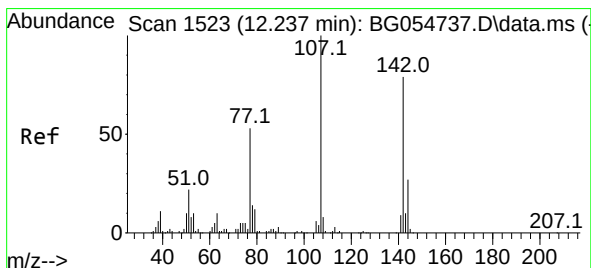
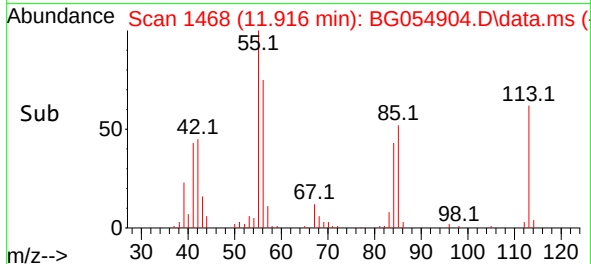
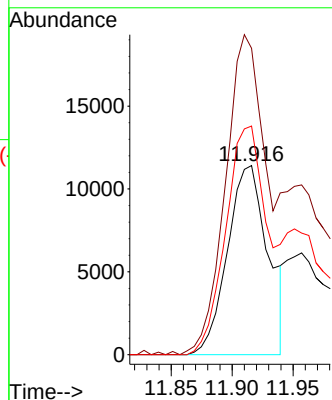
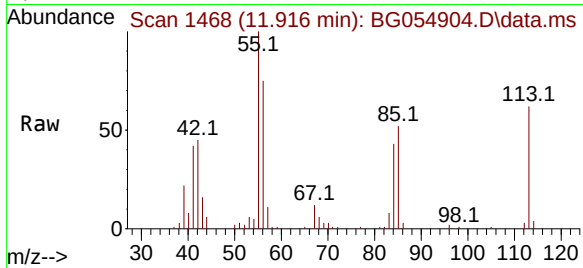




#35
 Caprolactam
 Concen: 32.230 ng
 RT: 11.916 min Scan# 1468
 Delta R.T. 0.004 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

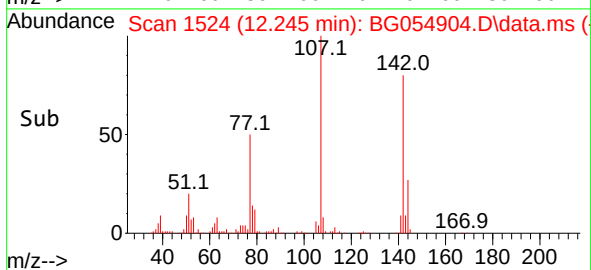
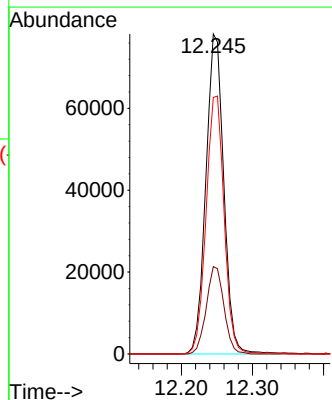
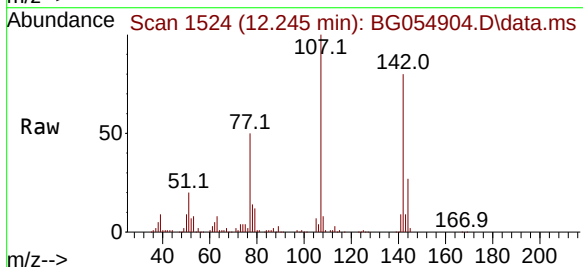
Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

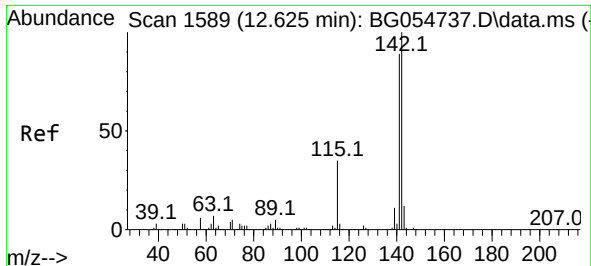
Tgt Ion:113 Resp: 26403
 Ion Ratio Lower Upper
 113 100
 55 162.0 179.1 219.1#
 56 120.9 120.8 160.8



#36
 4-Chloro-3-methylphenol
 Concen: 54.022 ng
 RT: 12.245 min Scan# 1524
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

Tgt Ion:107 Resp: 137172
 Ion Ratio Lower Upper
 107 100
 144 27.3 22.4 33.6
 142 80.1 65.8 98.8





#37

2-Methylnaphthalene

Concen: 51.027 ng

RT: 12.615 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

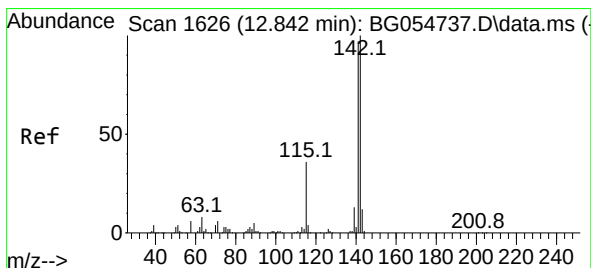
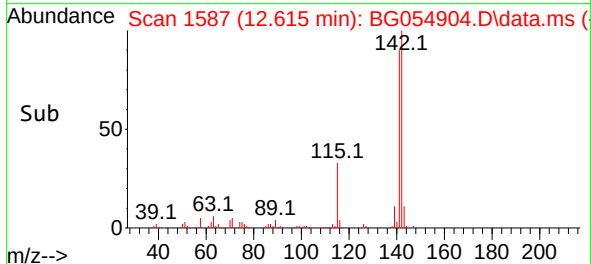
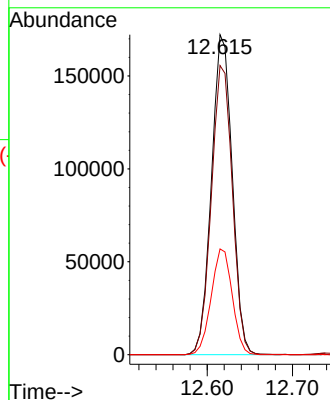
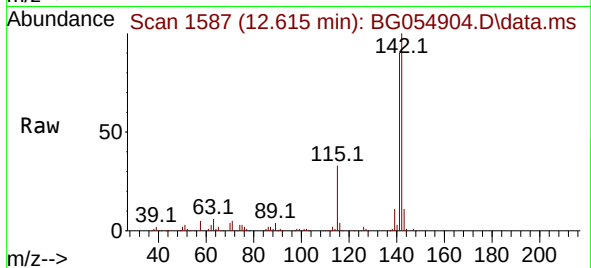
Tgt Ion:142 Resp: 291509

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.4

115 33.1 27.3 40.9



#38

1-Methylnaphthalene

Concen: 49.777 ng

RT: 12.838 min Scan# 1625

Delta R.T. 0.004 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

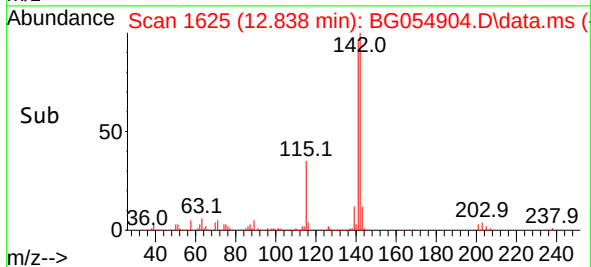
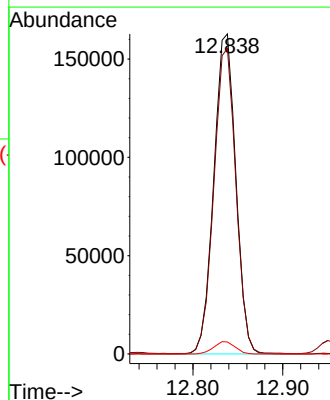
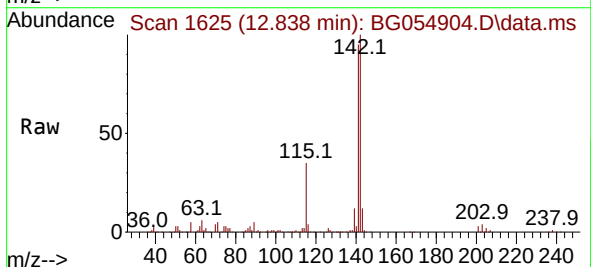
Tgt Ion:142 Resp: 276668

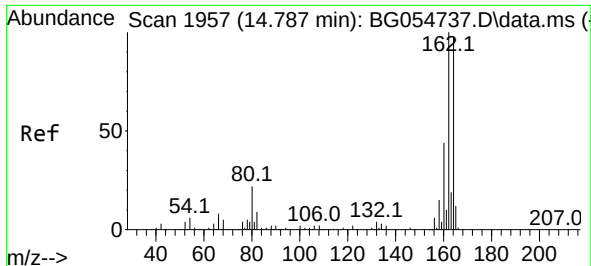
Ion Ratio Lower Upper

142 100

141 95.5 77.4 116.0

116 3.8 3.0 4.4

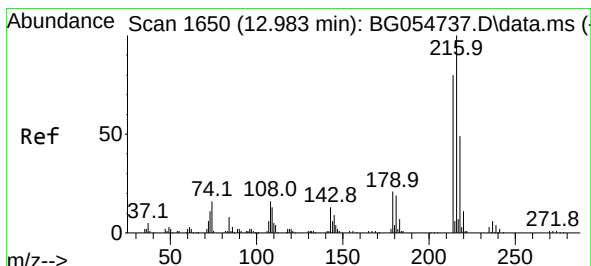
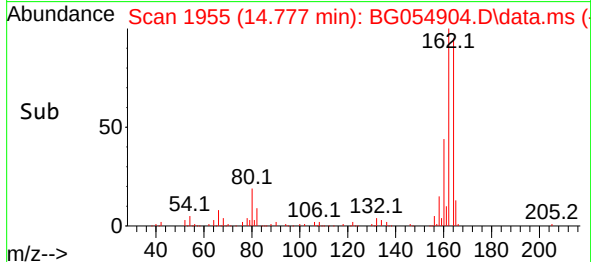
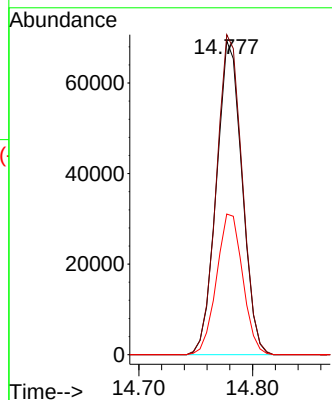
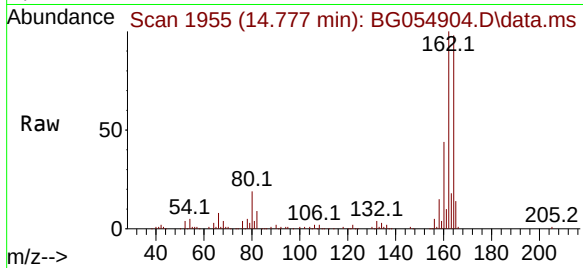




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1955
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

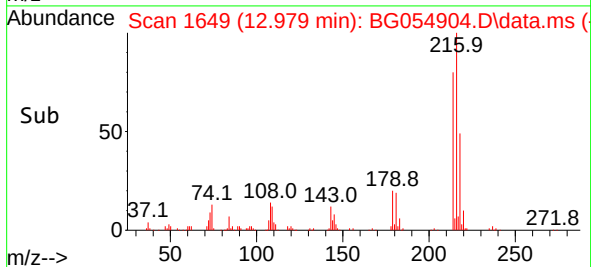
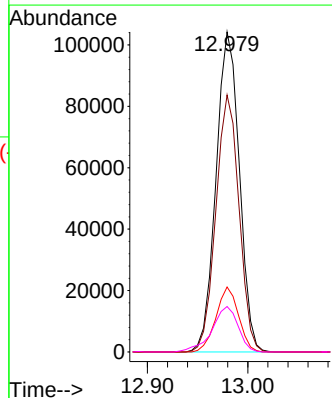
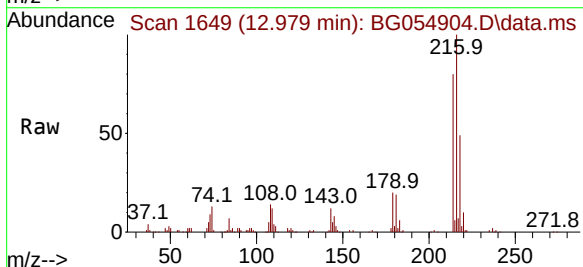
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

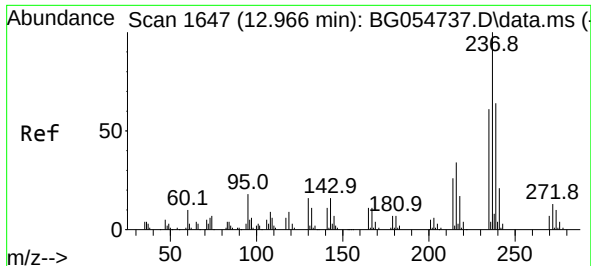
Tgt Ion:164 Resp: 108411
Ion Ratio Lower Upper
164 100
162 102.0 83.0 124.4
160 44.8 38.0 57.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.437 ng
RT: 12.979 min Scan# 1649
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

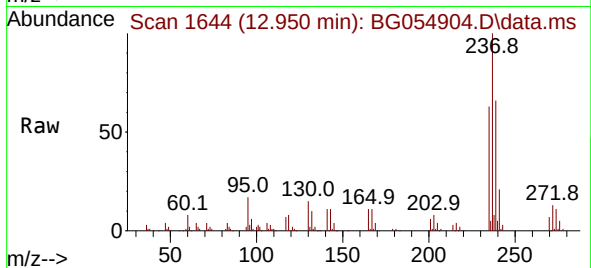
Tgt Ion:216 Resp: 168096
Ion Ratio Lower Upper
216 100
214 79.6 63.2 94.8
179 19.6 16.5 24.7
108 15.9 13.9 20.9



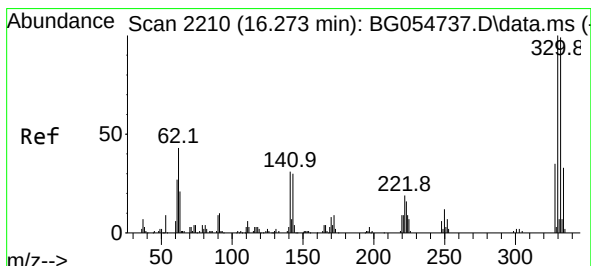
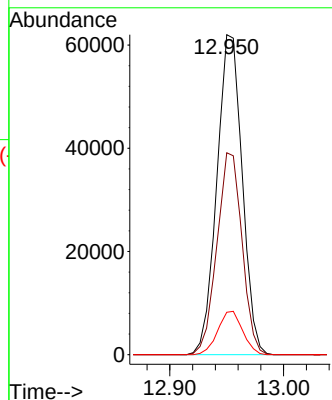
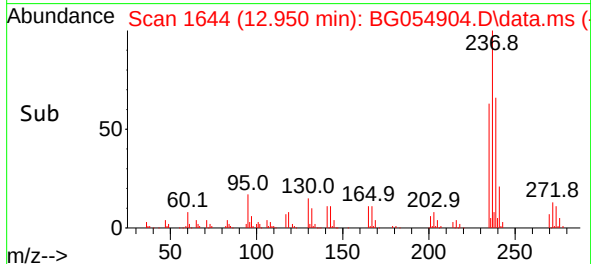


#41
Hexachlorocyclopentadiene
Concen: 55.467 ng
RT: 12.950 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

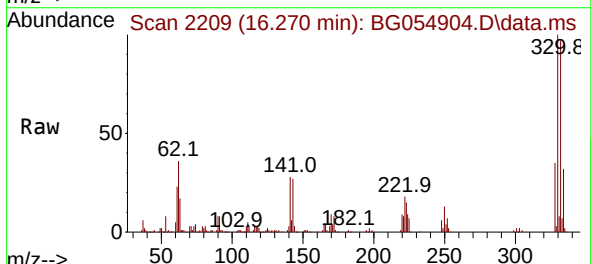
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS



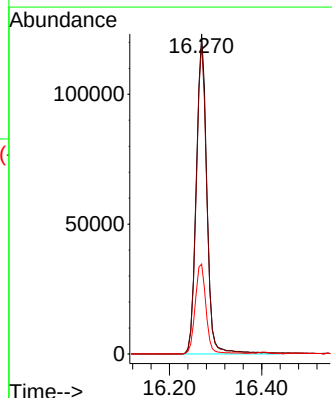
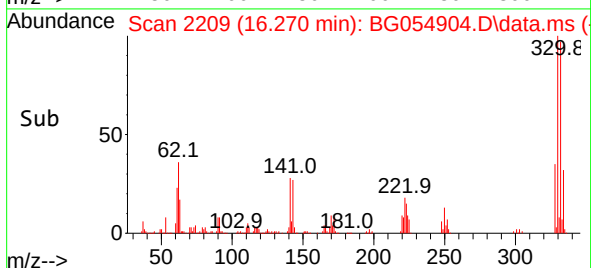
Tgt Ion:237 Resp: 96131
Ion Ratio Lower Upper
237 100
235 63.1 42.2 82.2
272 13.3 0.0 34.0

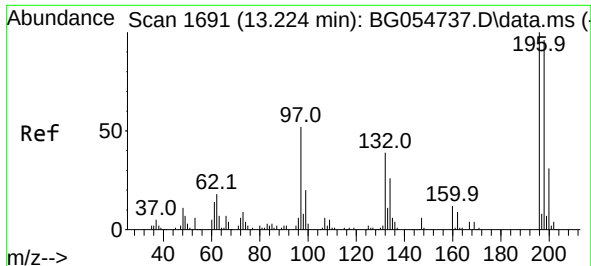


#42
2,4,6-Tribromophenol
Concen: 144.526 ng
RT: 16.270 min Scan# 2209
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50



Tgt Ion:330 Resp: 195784
Ion Ratio Lower Upper
330 100
332 96.7 79.8 119.6
141 29.0 26.8 40.2

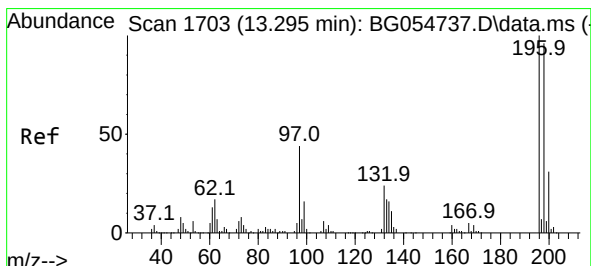
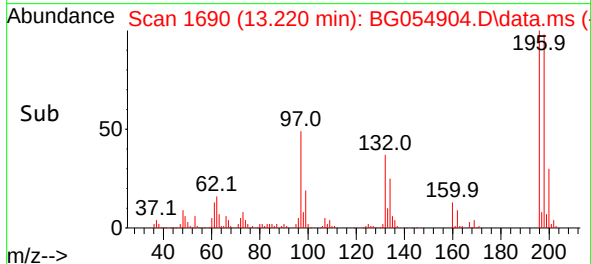
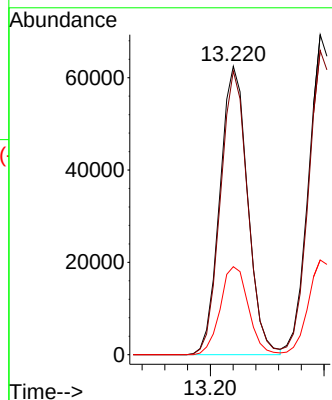
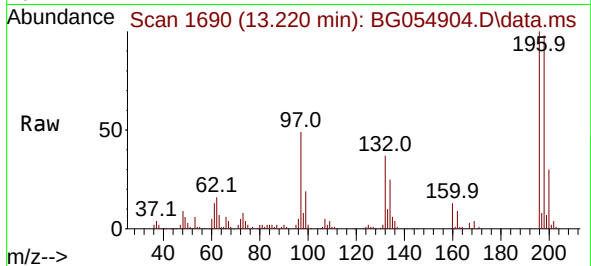




#43
2,4,6-Trichlorophenol
Concen: 48.986 ng
RT: 13.220 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

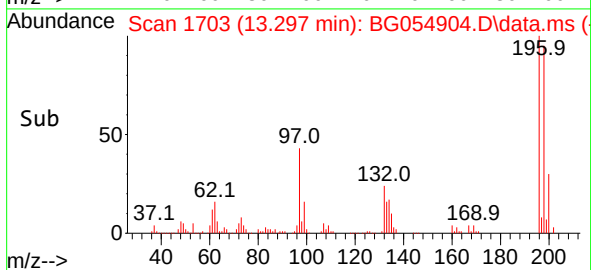
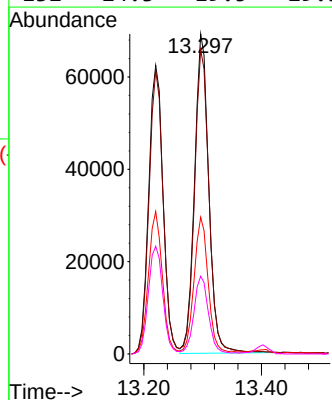
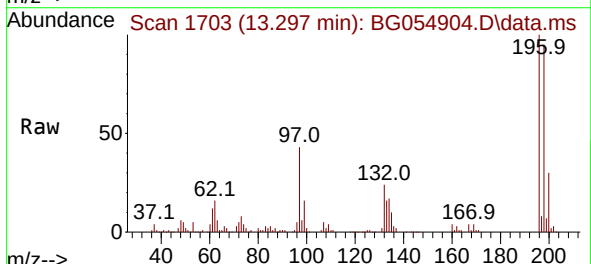
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

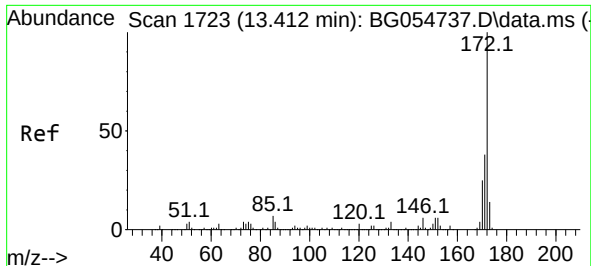
Tgt Ion:196 Resp: 106256
Ion Ratio Lower Upper
196 100
198 98.3 77.1 115.7
200 30.5 24.2 36.4



#44
2,4,5-Trichlorophenol
Concen: 47.926 ng
RT: 13.297 min Scan# 1703
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:196 Resp: 116748
Ion Ratio Lower Upper
196 100
198 95.1 76.7 115.1
97 42.7 36.6 55.0
132 24.3 19.5 29.3

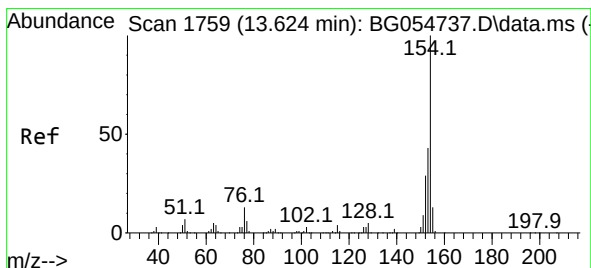
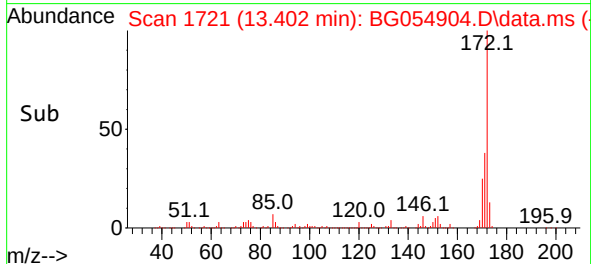
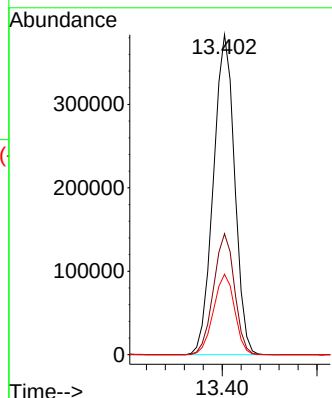
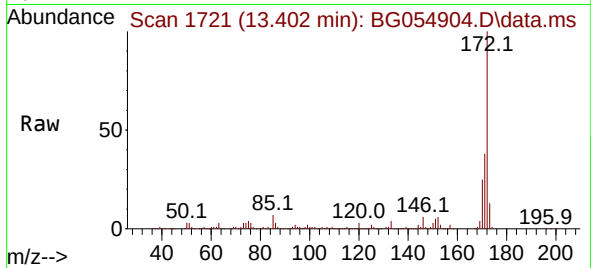




#45
2-Fluorobiphenyl
Concen: 82.565 ng
RT: 13.402 min Scan# 1721
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

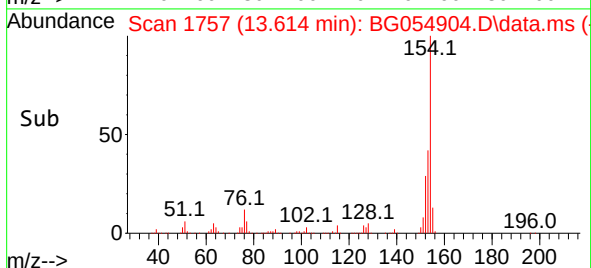
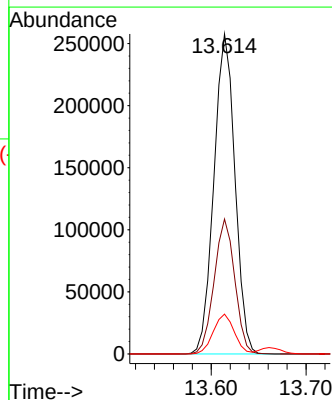
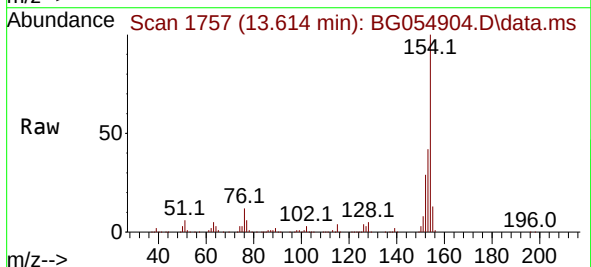
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

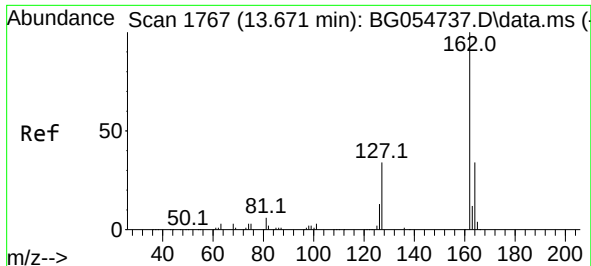
Tgt Ion:172 Resp: 595530
Ion Ratio Lower Upper
172 100
171 37.8 31.2 46.8
170 25.1 20.6 30.8



#46
1,1'-Biphenyl
Concen: 49.310 ng
RT: 13.614 min Scan# 1757
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:154 Resp: 396977
Ion Ratio Lower Upper
154 100
153 42.1 22.2 62.2
76 12.5 0.0 34.0

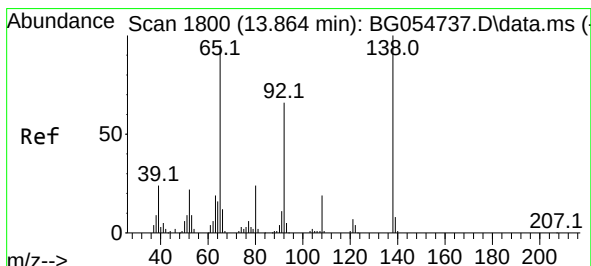
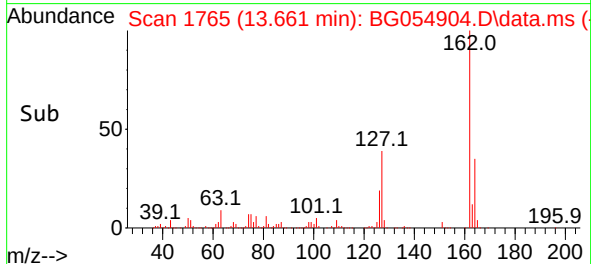
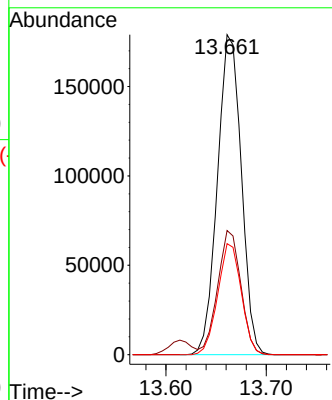
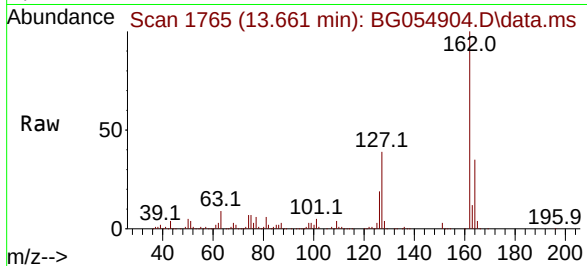




#47
2-Chloronaphthalene
Concen: 48.377 ng
RT: 13.661 min Scan# 1765
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

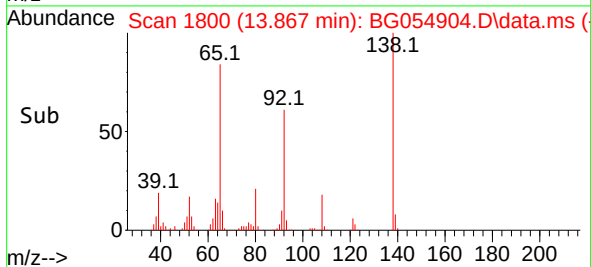
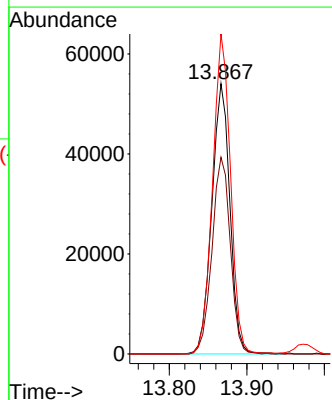
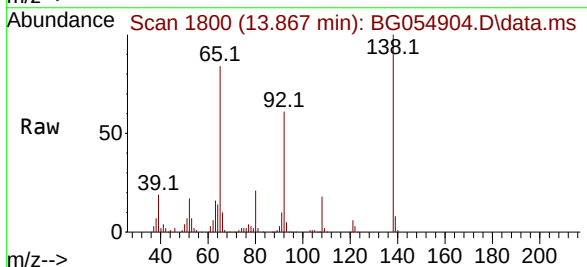
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

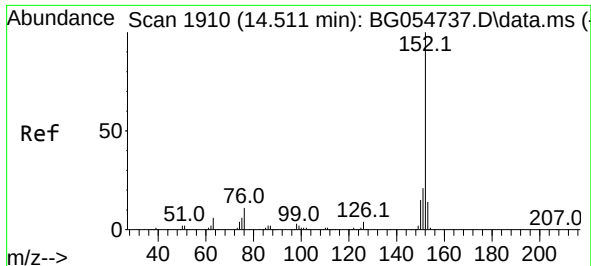
Tgt Ion:162 Resp: 295783
Ion Ratio Lower Upper
162 100
127 38.8 31.5 47.3
164 34.7 27.8 41.6



#48
2-Nitroaniline
Concen: 45.714 ng
RT: 13.867 min Scan# 1800
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion: 65 Resp: 87595
Ion Ratio Lower Upper
65 100
92 72.8 54.7 82.1
138 118.4 84.1 126.1

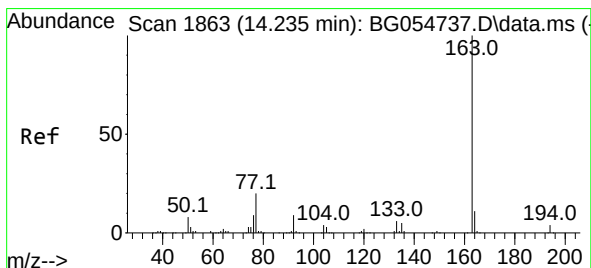
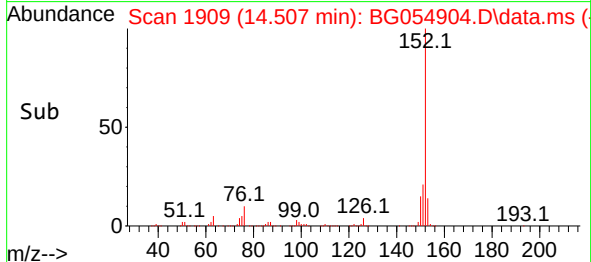
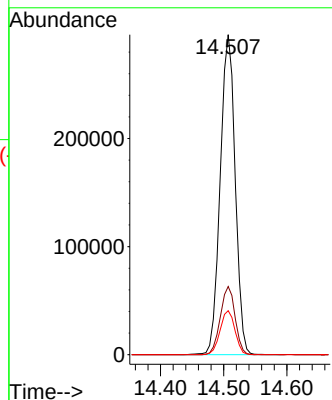
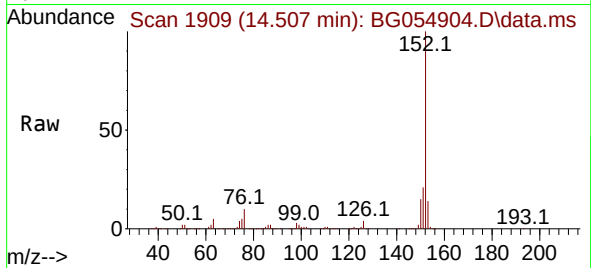




#49
Acenaphthylene
Concen: 48.253 ng
RT: 14.507 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

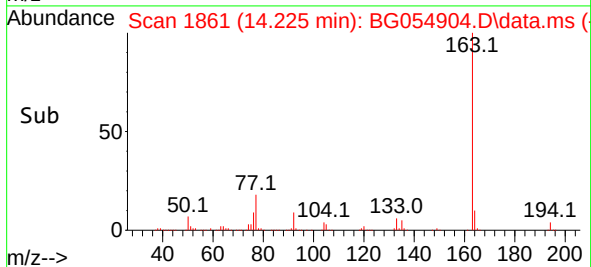
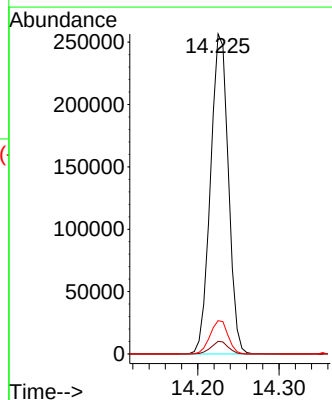
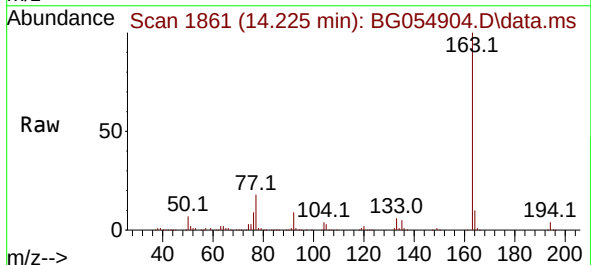
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

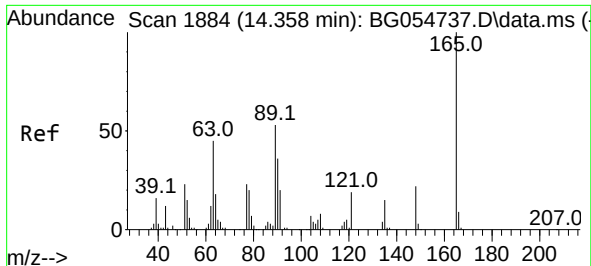
Tgt Ion:152 Resp: 486847
Ion Ratio Lower Upper
152 100
151 21.3 17.3 25.9
153 13.8 10.8 16.2



#50
Dimethylphthalate
Concen: 46.825 ng
RT: 14.225 min Scan# 1861
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:163 Resp: 391083
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 10.4 8.0 12.0

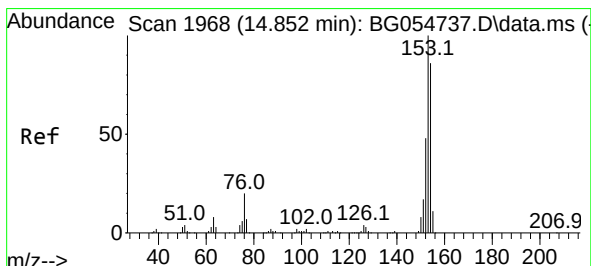
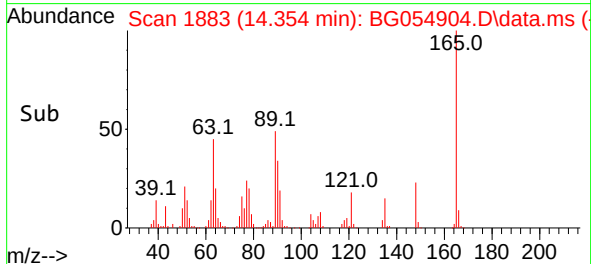
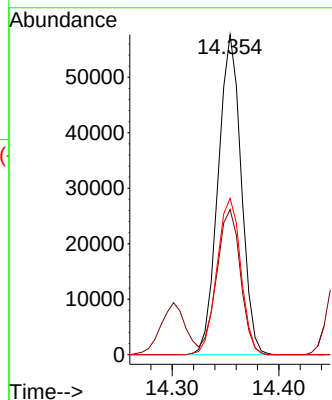
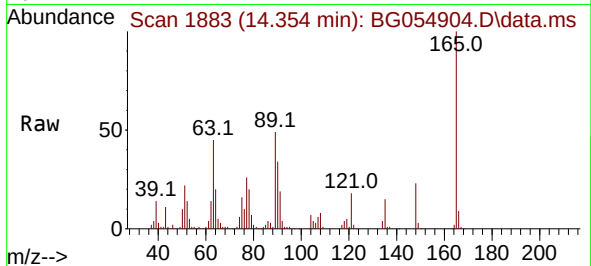




#51
2,6-Dinitrotoluene
Concen: 50.708 ng
RT: 14.354 min Scan# 1883
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

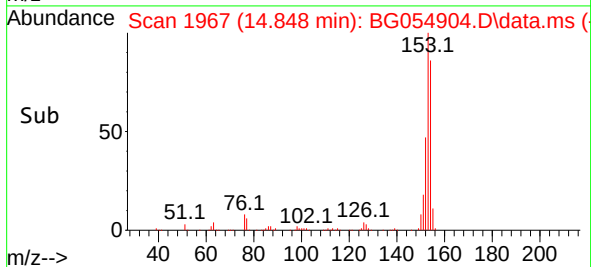
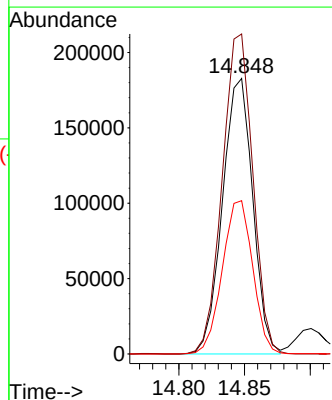
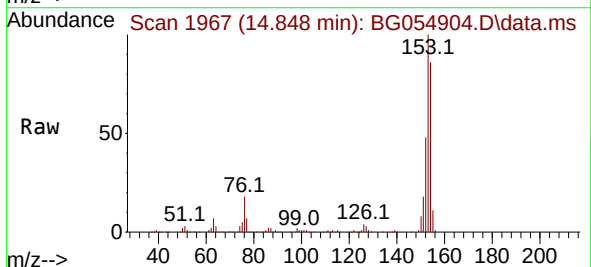
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

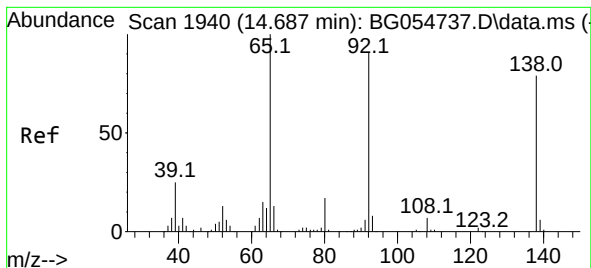
Tgt Ion:165 Resp: 86626
Ion Ratio Lower Upper
165 100
63 45.4 46.0 69.0#
89 48.8 50.3 75.5#



#52
Acenaphthene
Concen: 45.278 ng
RT: 14.848 min Scan# 1967
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:154 Resp: 293445
Ion Ratio Lower Upper
154 100
153 116.1 92.8 139.2
152 55.7 45.4 68.2

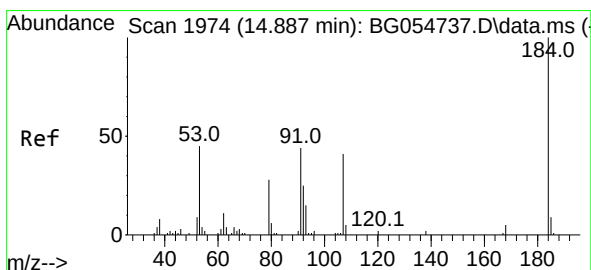
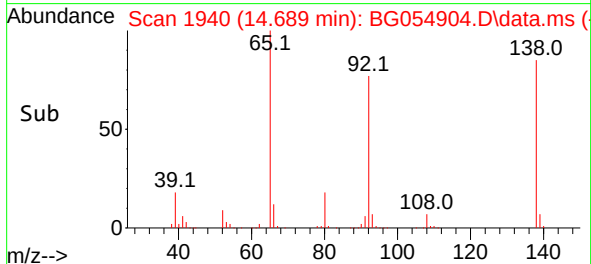
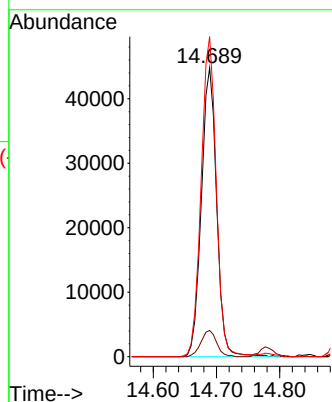
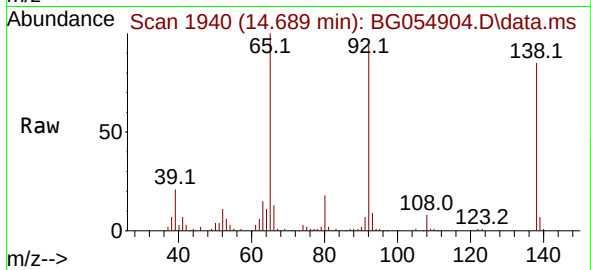




#53
3-Nitroaniline
Concen: 39.215 ng
RT: 14.689 min Scan# 1940
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

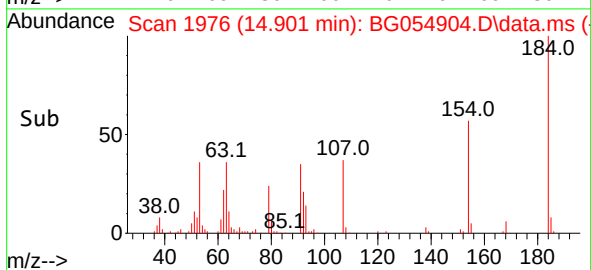
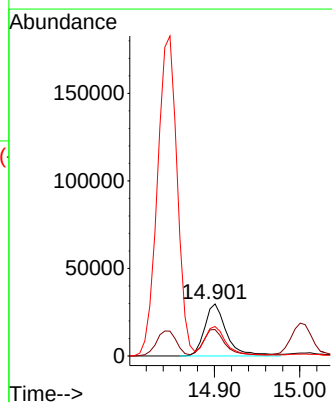
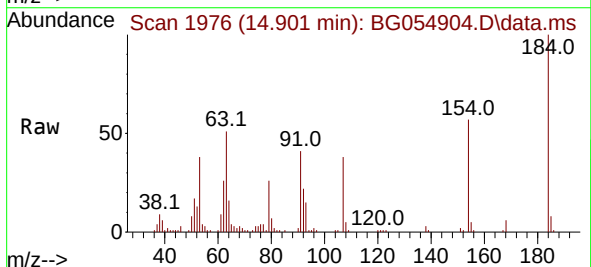
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

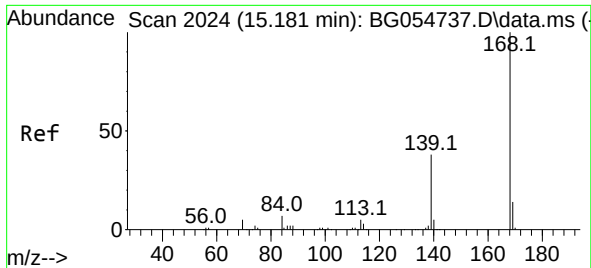
Tgt Ion:138 Resp: 74994
Ion Ratio Lower Upper
138 100
108 9.1 7.6 11.4
92 110.8 96.0 144.0



#54
2,4-Dinitrophenol
Concen: 57.278 ng
RT: 14.901 min Scan# 1976
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:184 Resp: 53220
Ion Ratio Lower Upper
184 100
63 50.7 41.8 62.8
154 56.6 45.2 67.8

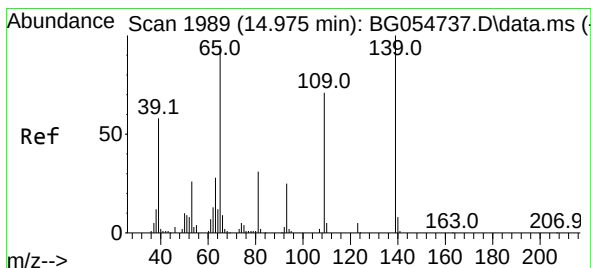
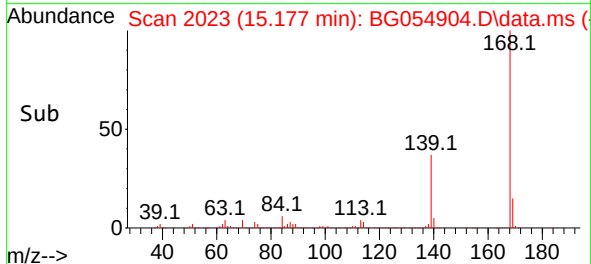
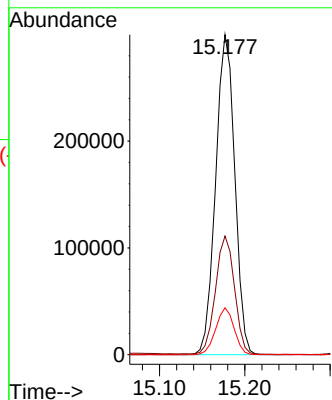
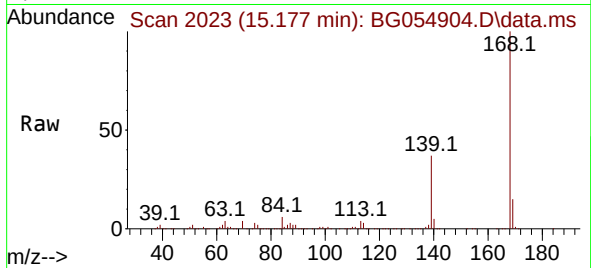




#55
Dibenzofuran
Concen: 49.111 ng
RT: 15.177 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

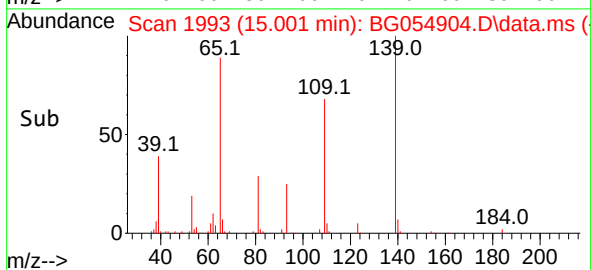
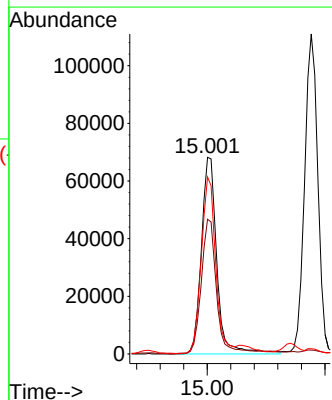
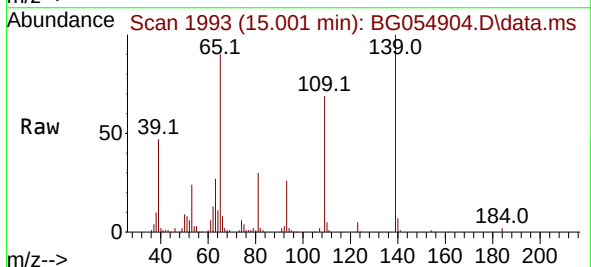
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

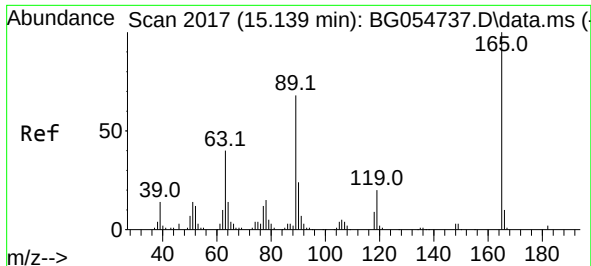
Tgt Ion:168 Resp: 467694
Ion Ratio Lower Upper
168 100
139 37.0 30.2 45.2
169 14.6 11.3 16.9



#56
4-Nitrophenol
Concen: 84.352 ng
RT: 15.001 min Scan# 1993
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:139 Resp: 124834
Ion Ratio Lower Upper
139 100
109 68.5 50.5 90.5
65 90.1 79.9 119.9

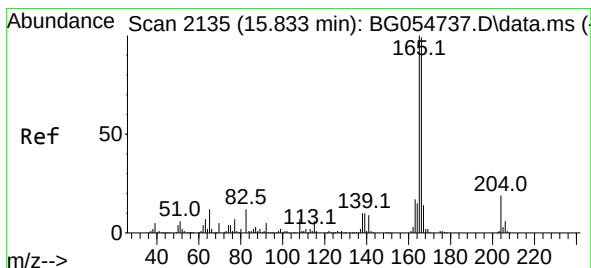
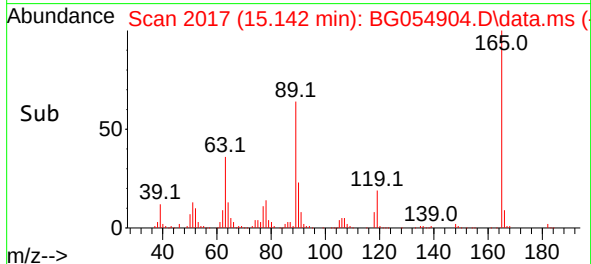
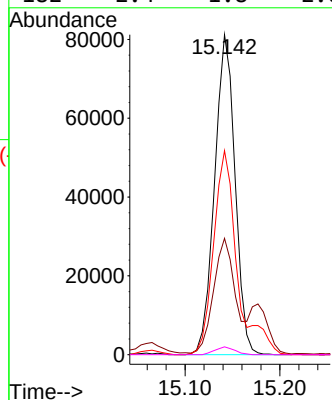
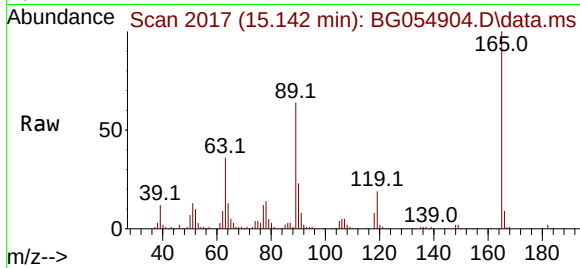




#57
2,4-Dinitrotoluene
Concen: 51.510 ng
RT: 15.142 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

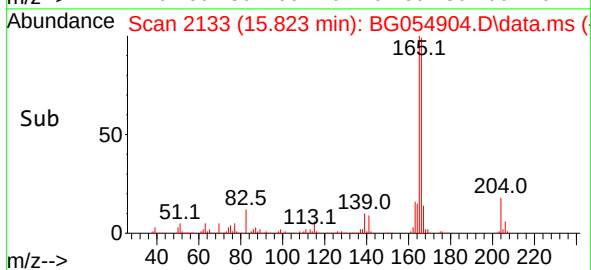
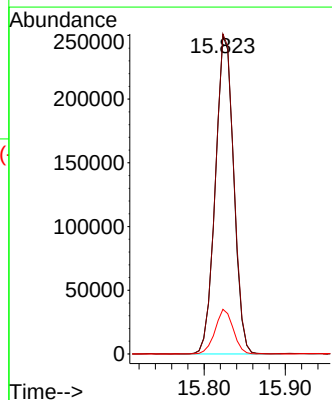
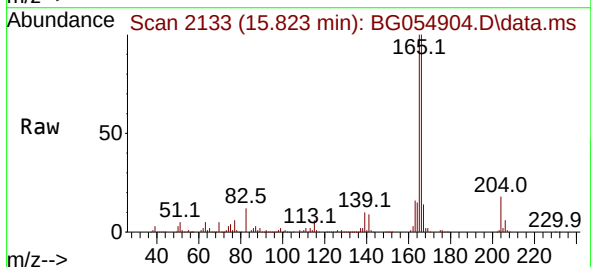
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

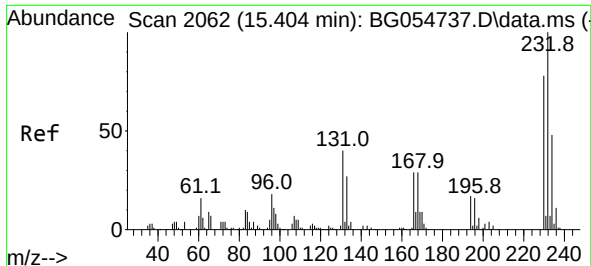
Tgt Ion:165 Resp: 121714
Ion Ratio Lower Upper
165 100
63 36.4 36.8 55.2#
89 63.7 64.3 96.5#
182 2.4 1.8 2.6



#58
Fluorene
Concen: 48.733 ng
RT: 15.823 min Scan# 2133
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:166 Resp: 390970
Ion Ratio Lower Upper
166 100
165 100.4 80.8 121.2
167 14.0 11.4 17.0

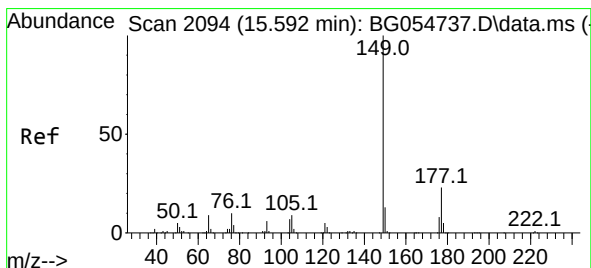
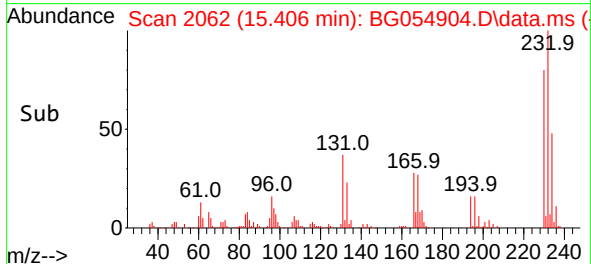
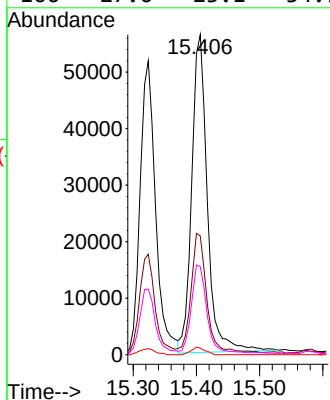
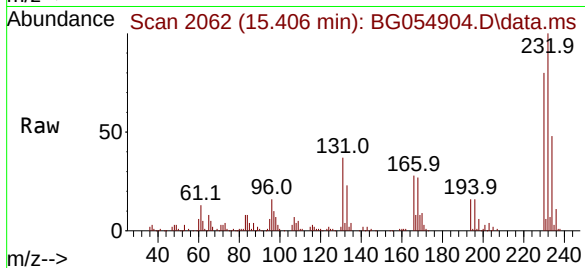




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.991 ng
RT: 15.406 min Scan# 2062
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

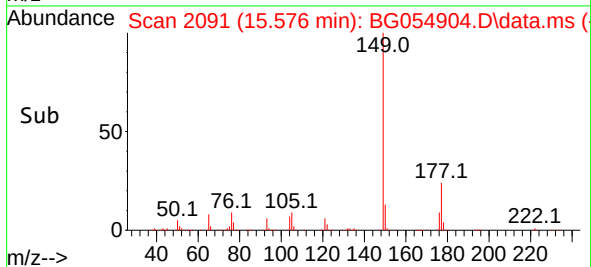
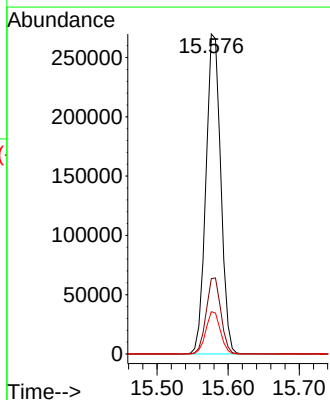
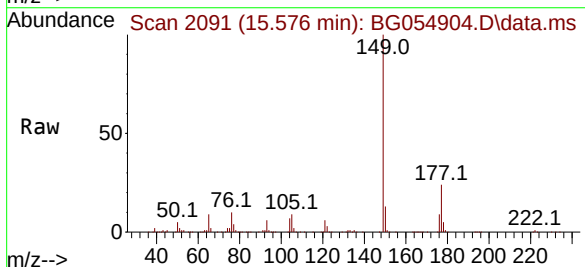
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

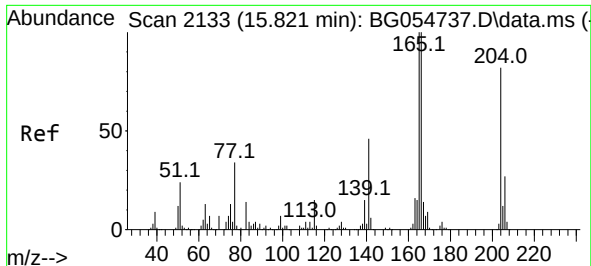
Tgt Ion:	232	Resp:	96600
Ion Ratio	Lower	Upper	
232	100		
131	38.0	31.3	46.9
130	2.1	1.8	2.6
166	27.6	23.1	34.7



#60
Diethylphthalate
Concen: 46.965 ng
RT: 15.576 min Scan# 2091
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:	149	Resp:	391693
Ion Ratio	Lower	Upper	
149	100		
177	23.6	17.8	26.6
150	13.2	10.1	15.1

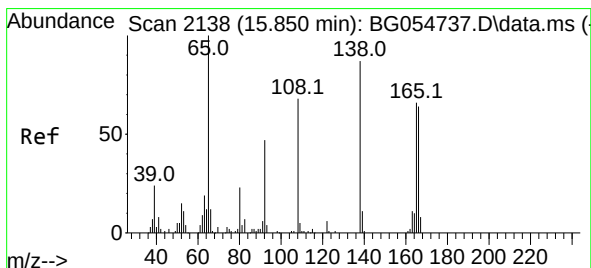
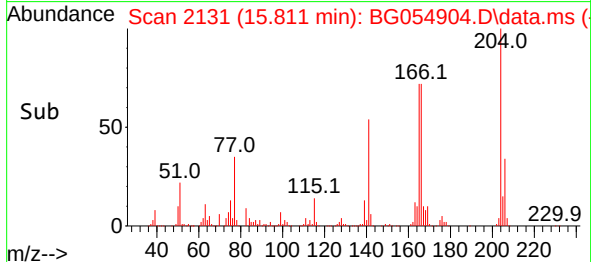
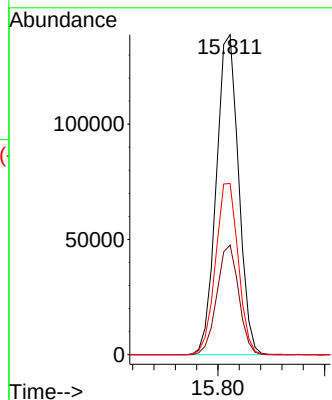
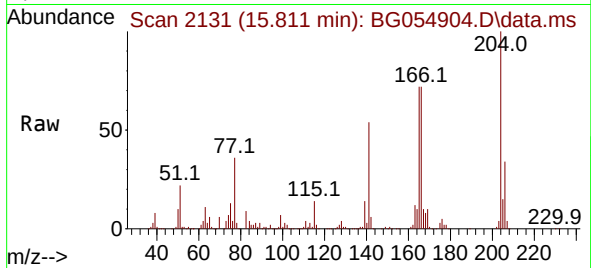




#61
4-Chlorophenyl-phenylether
Concen: 50.813 ng
RT: 15.811 min Scan# 2131
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

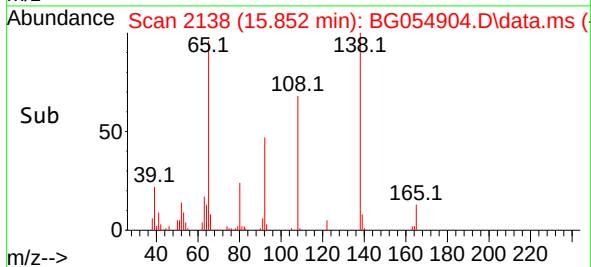
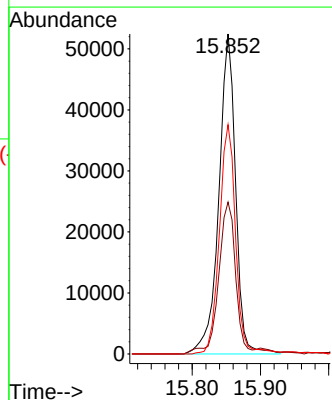
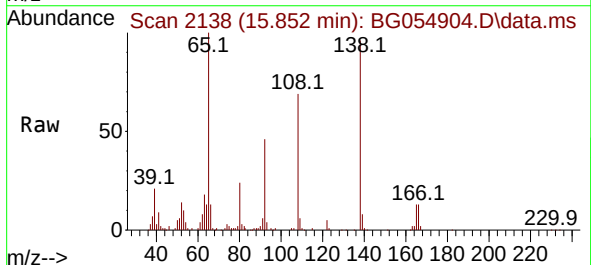
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

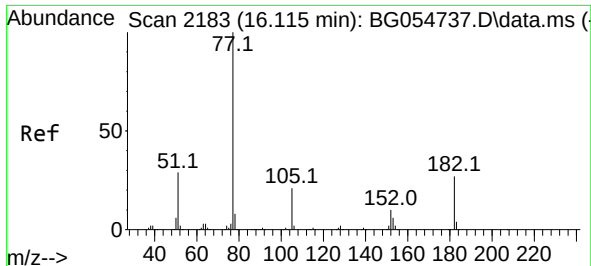
Tgt Ion:204 Resp: 201101
Ion Ratio Lower Upper
204 100
206 34.3 26.6 39.8
141 53.5 44.9 67.3



#62
4-Nitroaniline
Concen: 45.981 ng
RT: 15.852 min Scan# 2138
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:138 Resp: 89777
Ion Ratio Lower Upper
138 100
92 47.5 34.7 74.7
108 71.7 56.2 96.2

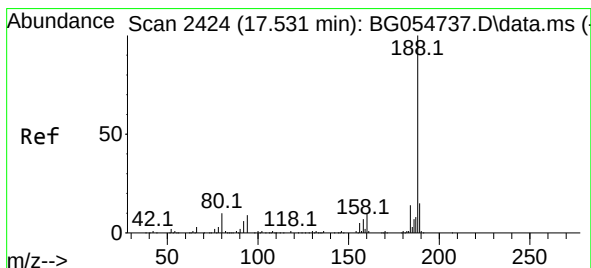
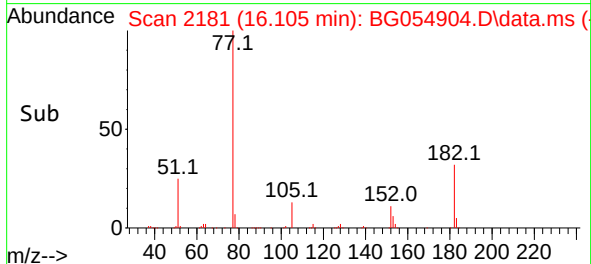
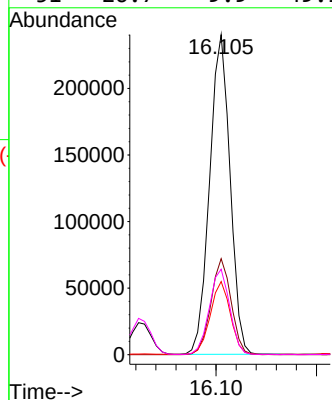
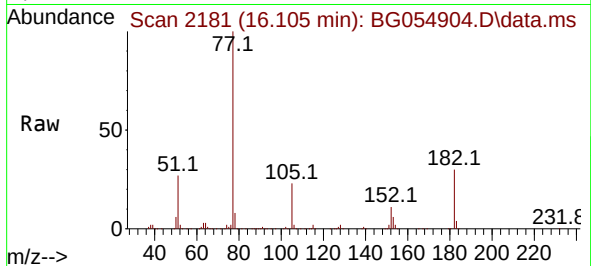




#63
Azobenzene
Concen: 42.917 ng
RT: 16.105 min Scan# 2183
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

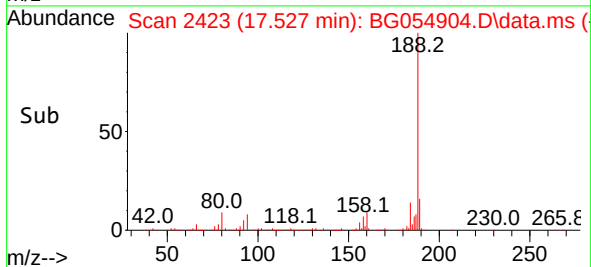
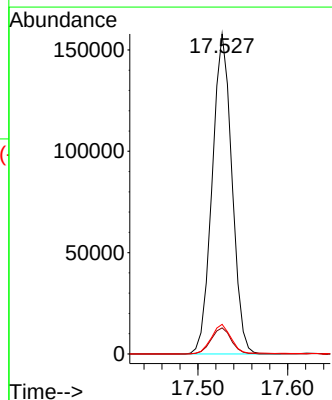
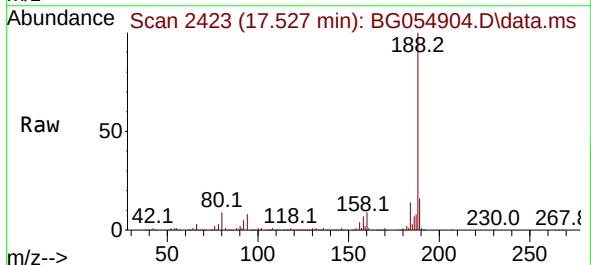
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

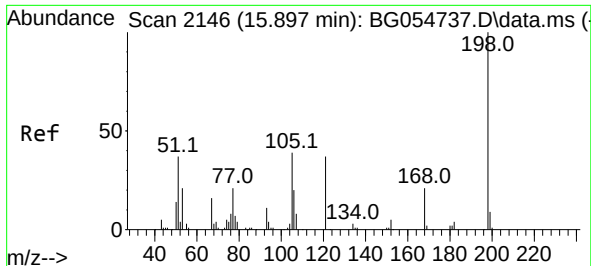
Tgt Ion:	77	Resp:	340166
Ion	Ratio	Lower	Upper
77	100		
182	30.0	5.1	45.1
105	22.9	0.7	40.7
51	26.7	9.9	49.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.527 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:	188	Resp:	240957
Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.4
80	9.3	7.9	11.9

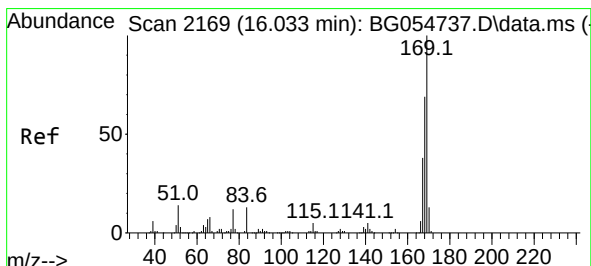
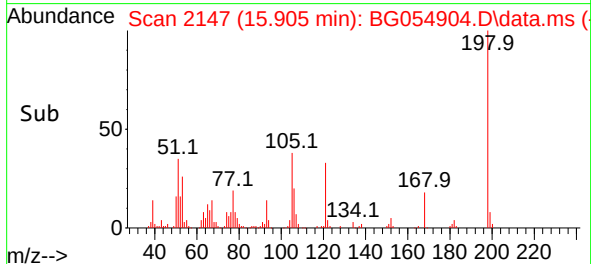
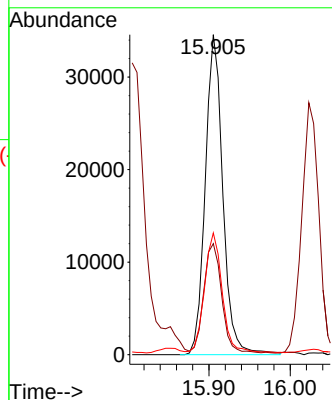
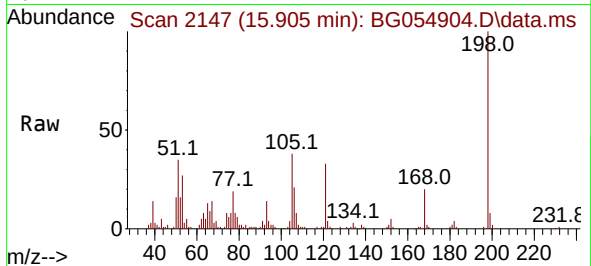




#65
4,6-Dinitro-2-methylphenol
Concen: 42.363 ng
RT: 15.905 min Scan# 2146
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

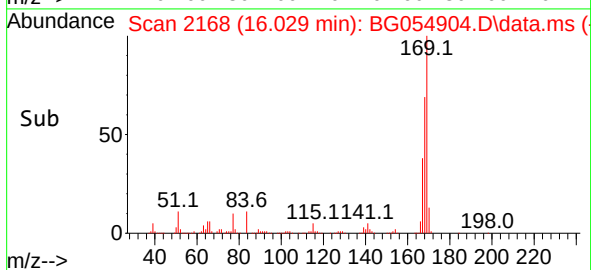
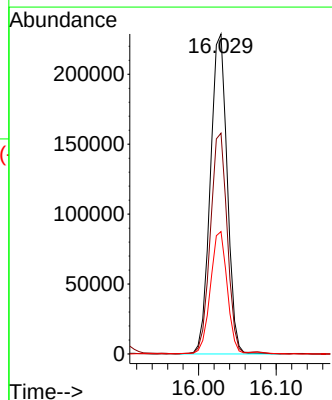
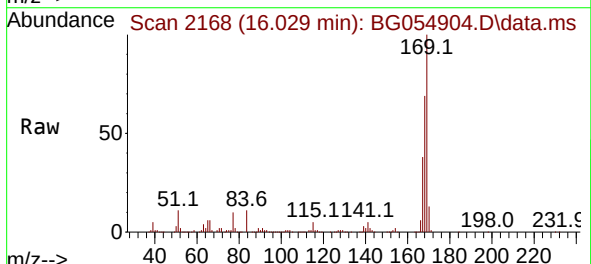
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

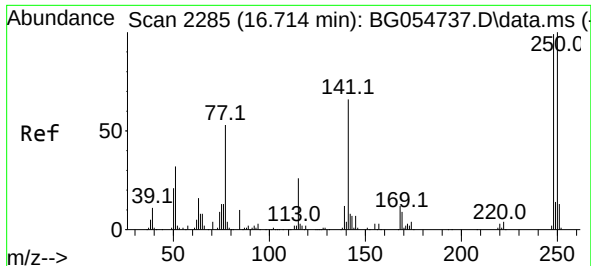
Tgt Ion:198 Resp: 51960
Ion Ratio Lower Upper
198 100
51 34.7 19.9 59.9
105 38.0 20.3 60.3



#66
n-Nitrosodiphenylamine
Concen: 49.780 ng
RT: 16.029 min Scan# 2168
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:169 Resp: 345912
Ion Ratio Lower Upper
169 100
168 69.0 55.6 83.4
167 38.3 30.9 46.3

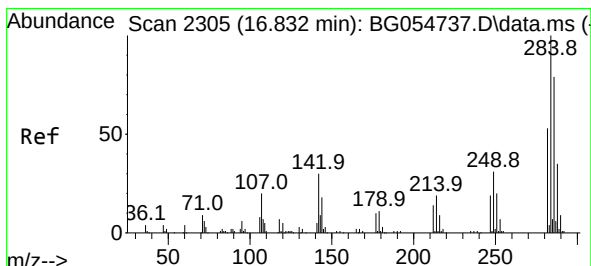
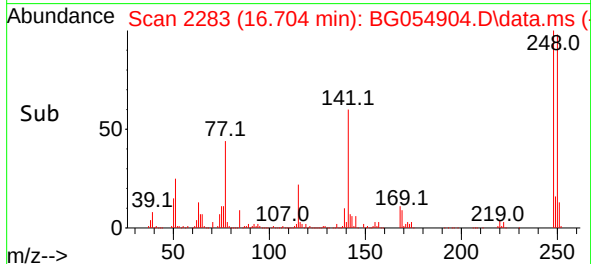
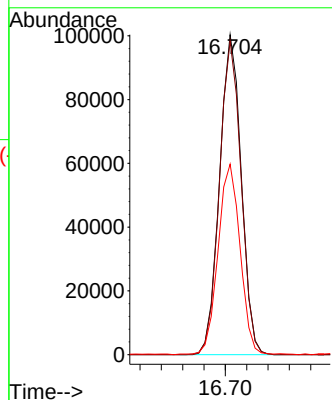
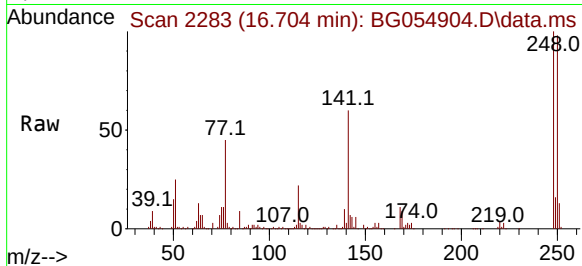




#67
4-Bromophenyl-phenylether
Concen: 53.494 ng
RT: 16.704 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

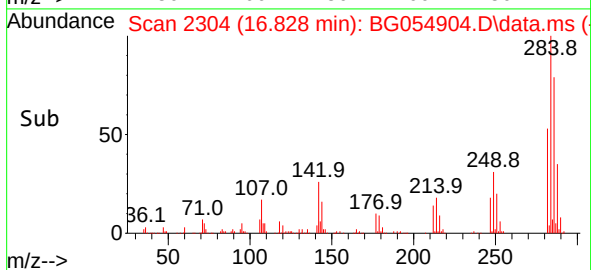
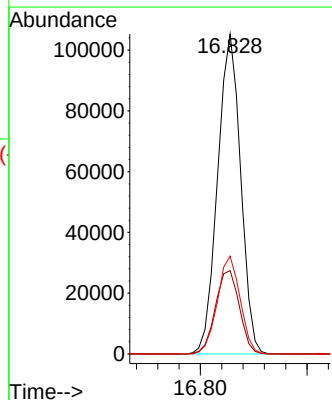
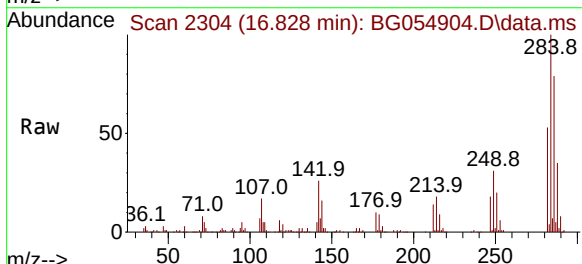
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

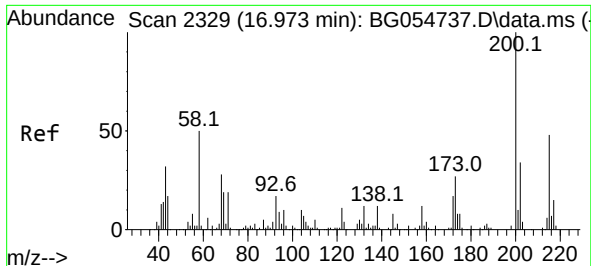
Tgt Ion:248 Resp: 141519
Ion Ratio Lower Upper
248 100
250 98.0 78.8 118.2
141 59.5 51.9 77.9



#68
Hexachlorobenzene
Concen: 53.020 ng
RT: 16.828 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:284 Resp: 157681
Ion Ratio Lower Upper
284 100
142 26.1 25.0 37.6
249 30.5 24.5 36.7

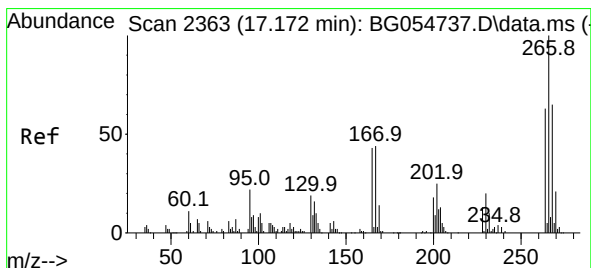
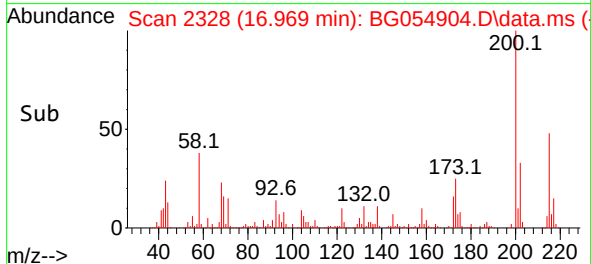
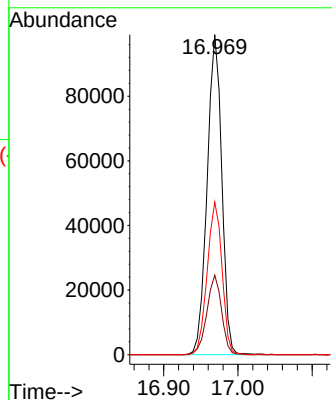
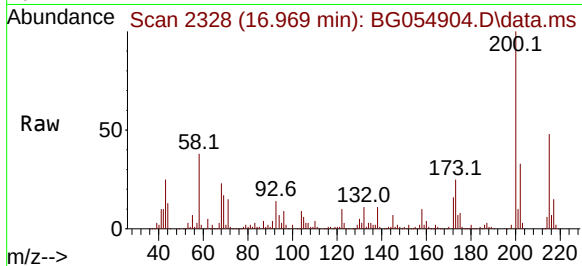




#69
 Atrazine
 Concen: 55.394 ng
 RT: 16.969 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

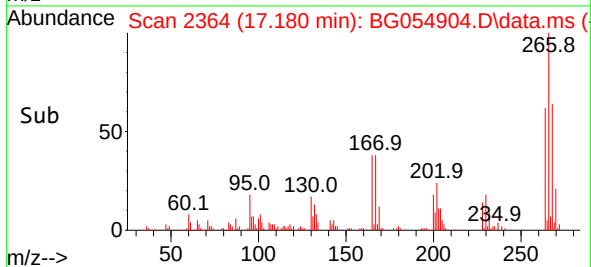
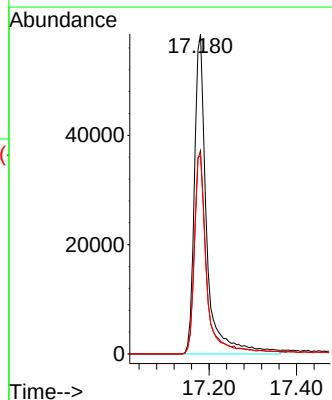
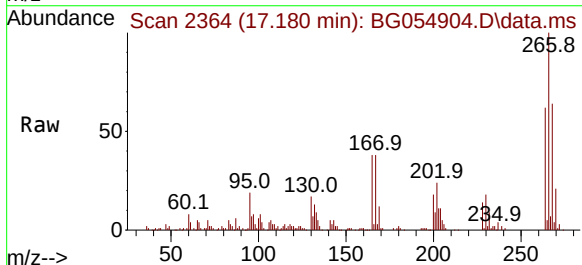
Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

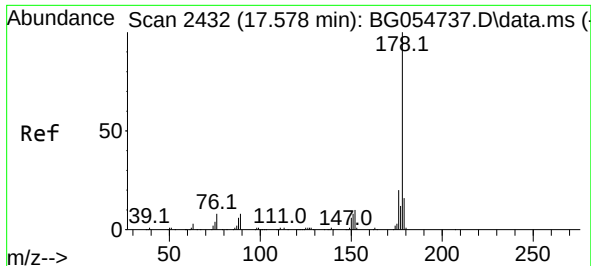
Tgt Ion:200 Resp: 135797
 Ion Ratio Lower Upper
 200 100
 173 24.9 5.6 45.6
 215 47.7 28.2 68.2



#70
 Pentachlorophenol
 Concen: 70.880 ng
 RT: 17.180 min Scan# 2364
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

Tgt Ion:266 Resp: 114533
 Ion Ratio Lower Upper
 266 100
 268 63.5 51.2 76.8
 264 61.9 49.4 74.0

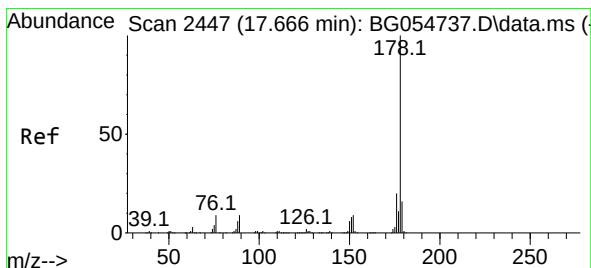
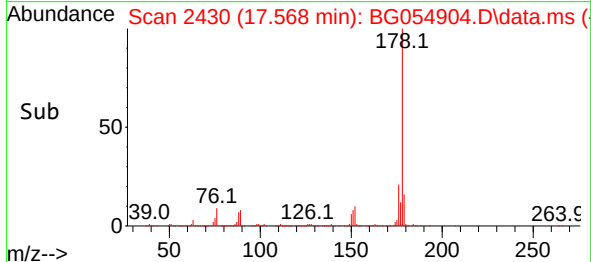
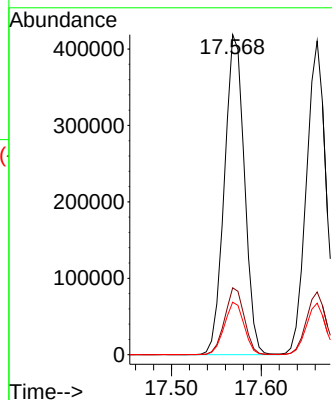
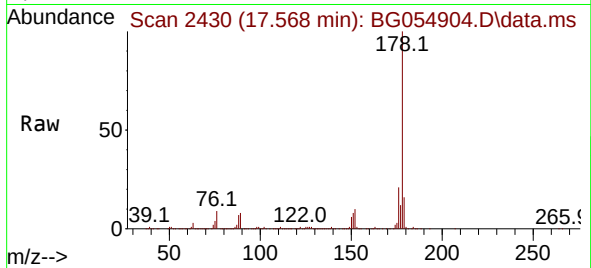




#71
Phenanthrene
Concen: 50.518 ng
RT: 17.568 min Scan# 2432
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

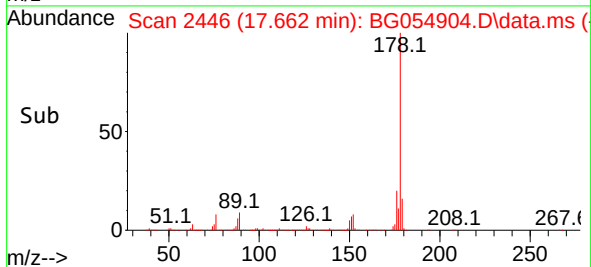
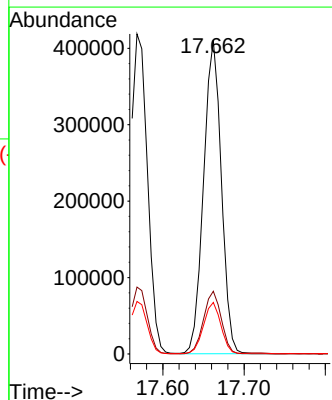
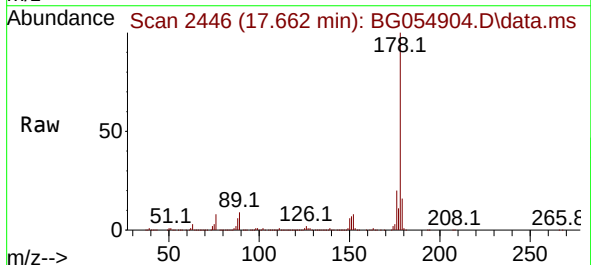
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

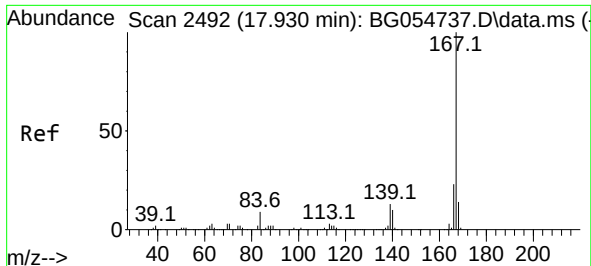
Tgt Ion:178 Resp: 648450
Ion Ratio Lower Upper
178 100
176 20.9 16.6 25.0
179 16.4 12.8 19.2



#72
Anthracene
Concen: 49.915 ng
RT: 17.662 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:178 Resp: 622920
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 16.4 12.9 19.3



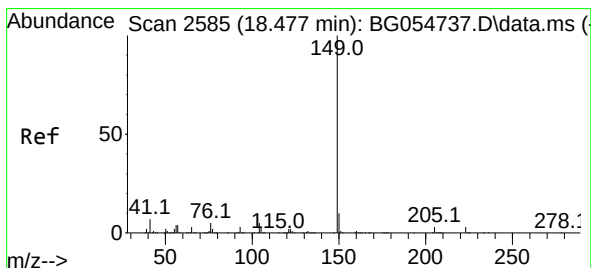
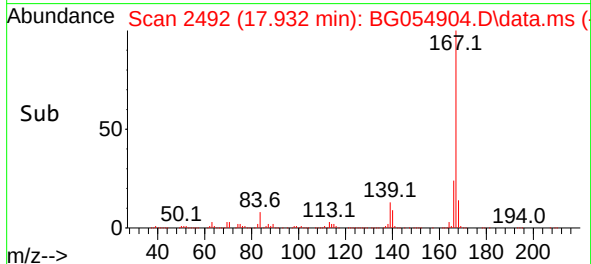
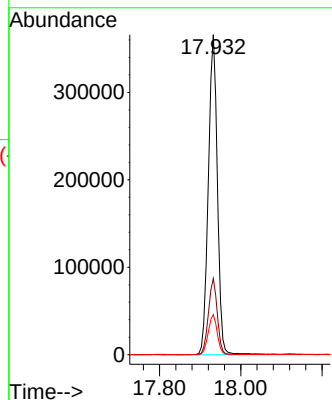
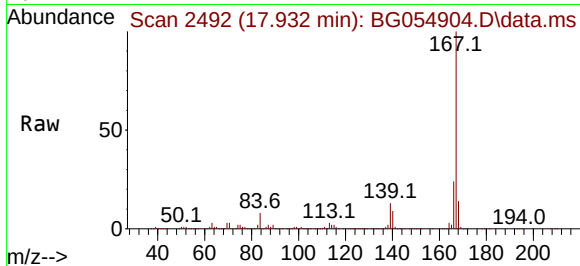


#73
 Carbazole
 Concen: 49.032 ng
 RT: 17.932 min Scan# 2492
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

Tgt Ion:167 Resp: 563769

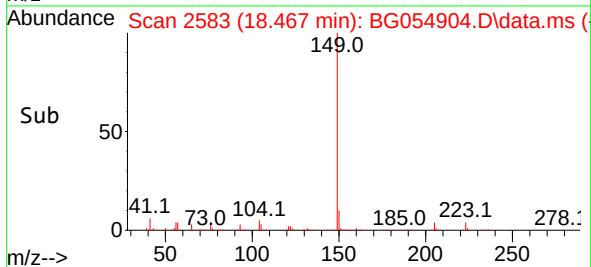
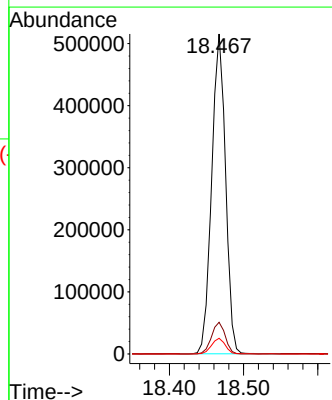
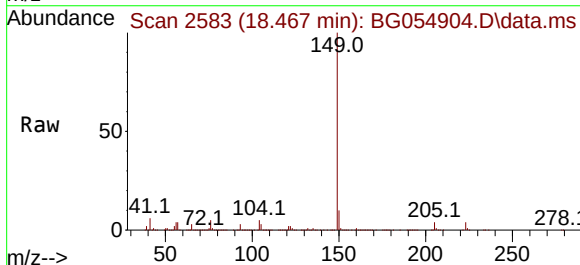
Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.8	28.2
139	12.5	10.2	15.4

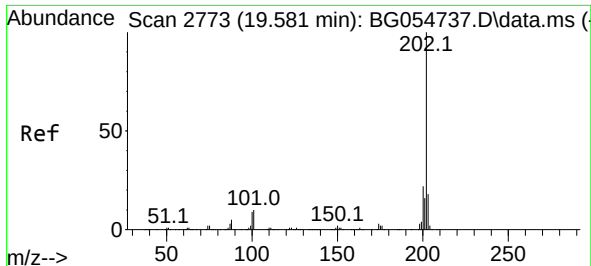


#74
 Di-n-butylphthalate
 Concen: 45.896 ng
 RT: 18.467 min Scan# 2583
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

Tgt Ion:149 Resp: 667763

Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.0	12.0
104	4.9	4.4	6.6

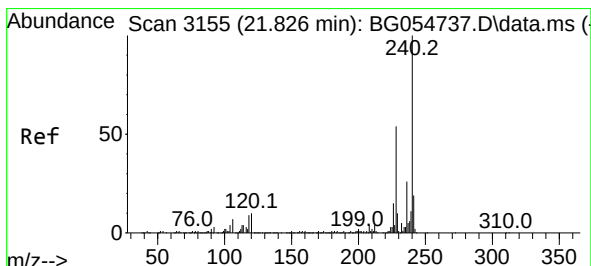
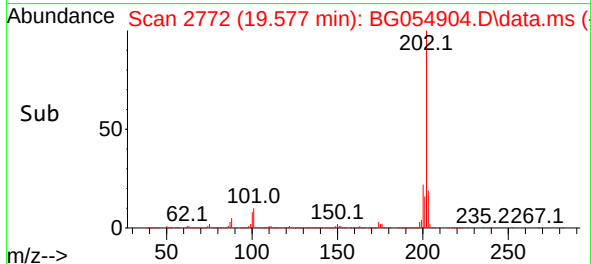
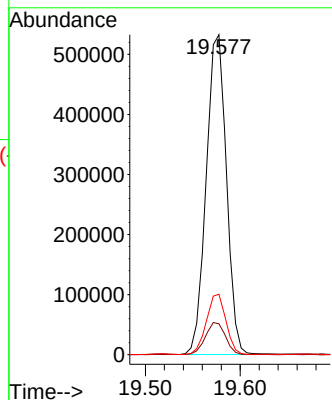
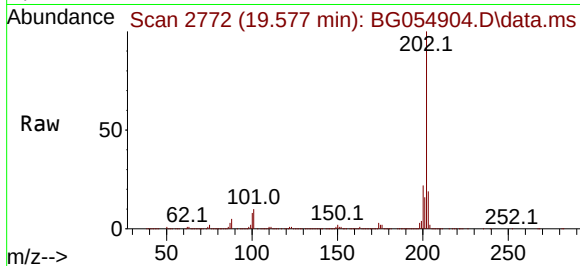




#75
Fluoranthene
Concen: 50.578 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

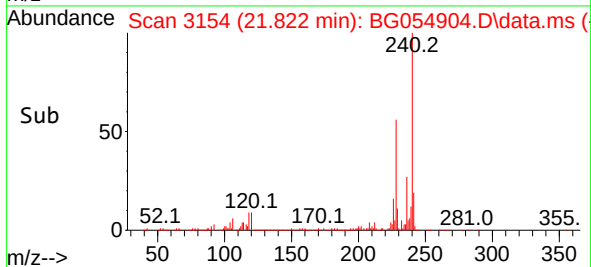
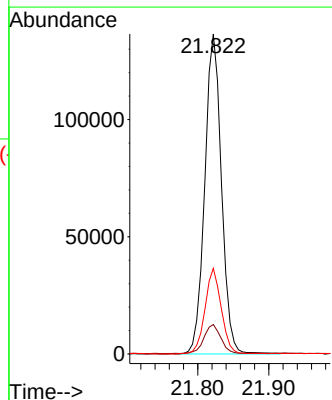
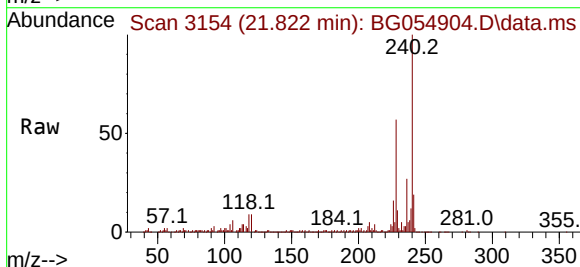
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

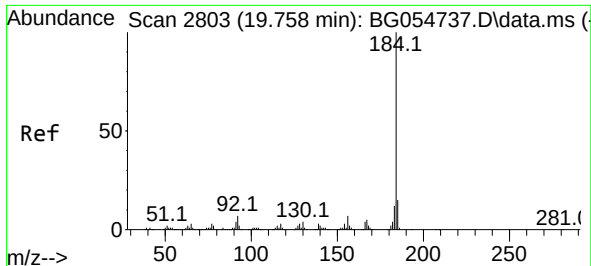
Tgt Ion:202 Resp: 789774
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 18.9 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.822 min Scan# 3154
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:240 Resp: 223321
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.4
236 26.7 21.2 31.8

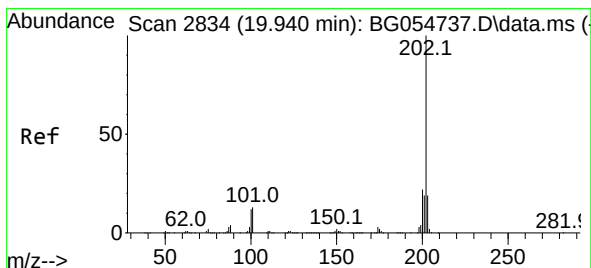
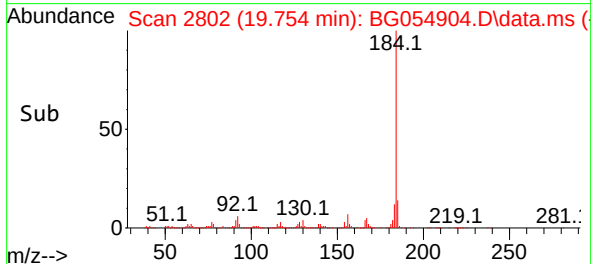
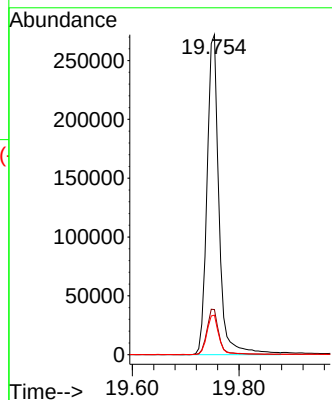
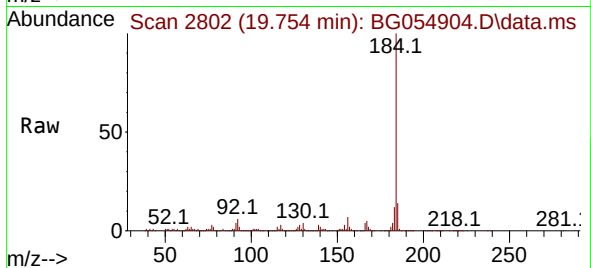




#77
Benzidine
Concen: 76.810 ng
RT: 19.754 min Scan# 2802
Delta R.T. 0.004 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

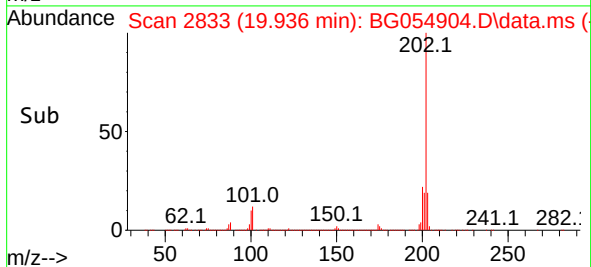
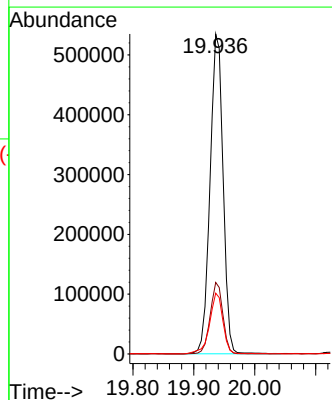
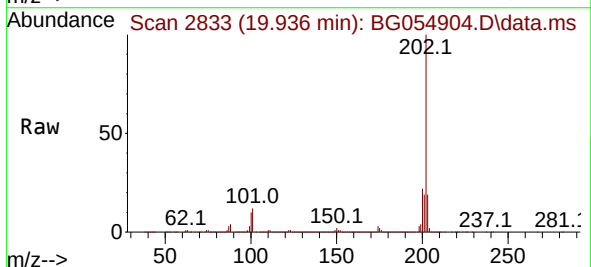
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

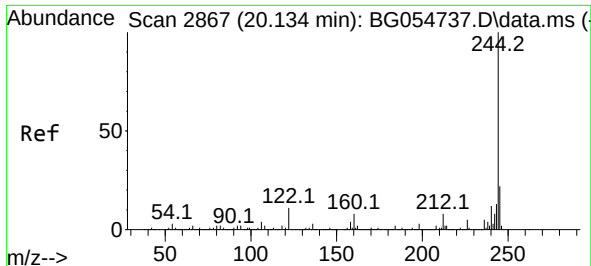
Tgt Ion:184 Resp: 424868
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 12.4 9.8 14.8



#78
Pyrene
Concen: 51.050 ng
RT: 19.936 min Scan# 2833
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:202 Resp: 794947
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 19.0 14.6 21.8

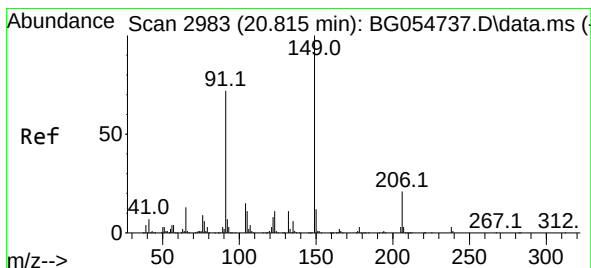
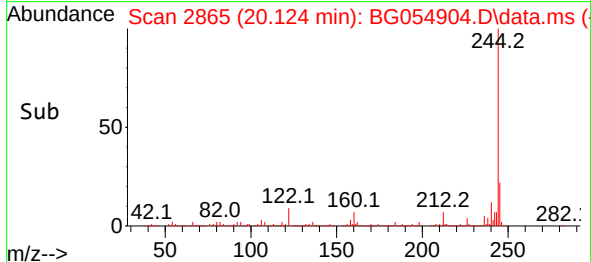
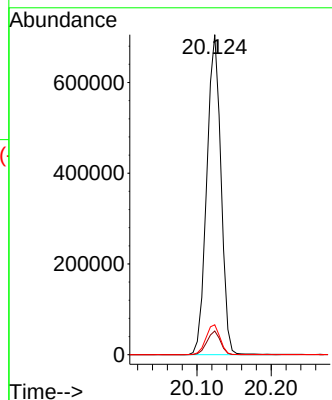
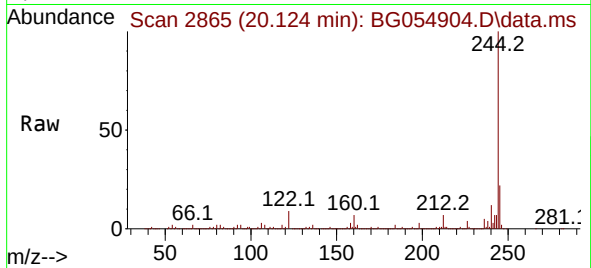




#79
 Terphenyl-d14
 Concen: 83.099 ng
 RT: 20.124 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

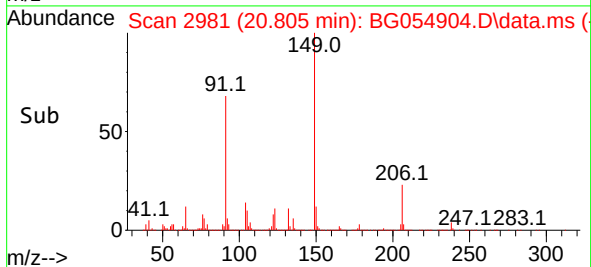
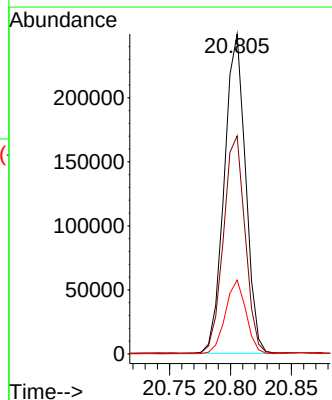
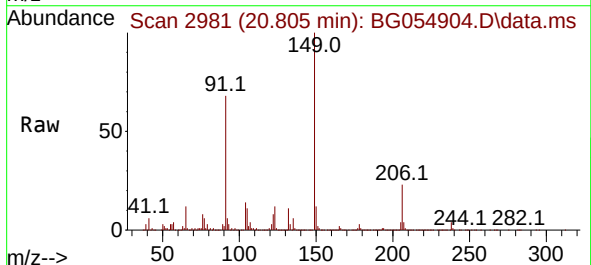
Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

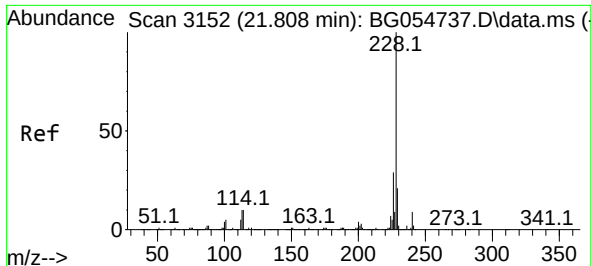
Tgt Ion:244 Resp: 936601
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.4 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 46.670 ng
 RT: 20.805 min Scan# 2981
 Delta R.T. -0.002 min
 Lab File: BG054904.D
 Acq: 9 Sep 2022 19:50

Tgt Ion:149 Resp: 303139
 Ion Ratio Lower Upper
 149 100
 91 68.1 59.5 89.3
 206 23.1 16.6 25.0

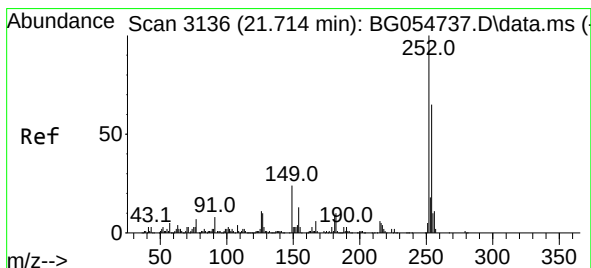
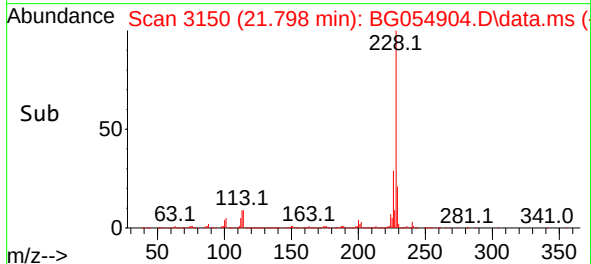
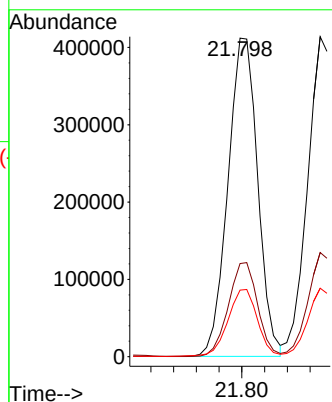
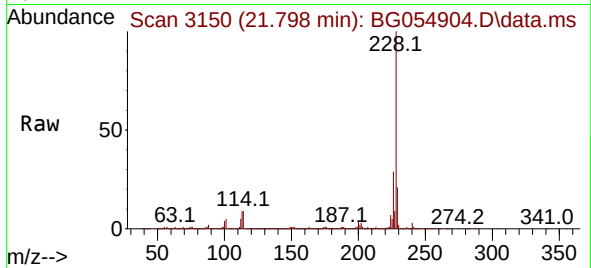




#81
Benzo(a)anthracene
Concen: 49.492 ng
RT: 21.798 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

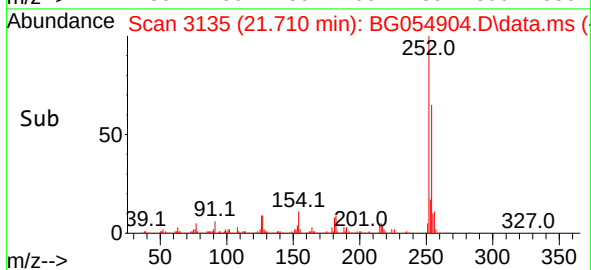
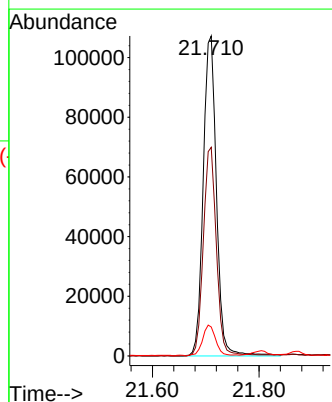
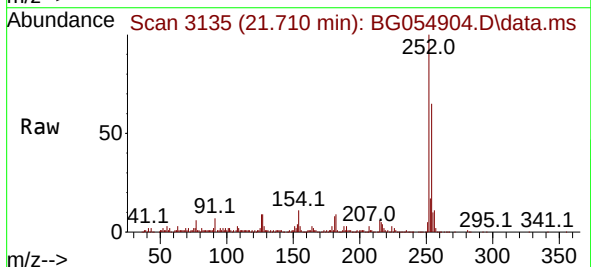
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

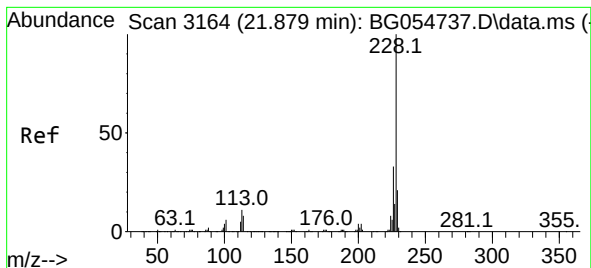
Tgt Ion:228 Resp: 749396
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 20.9 16.5 24.7



#82
3,3'-Dichlorobenzidine
Concen: 34.830 ng
RT: 21.710 min Scan# 3135
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:252 Resp: 184904
Ion Ratio Lower Upper
252 100
254 65.2 51.4 77.2
126 9.0 8.2 12.2





#83

Chrysene

Concen: 48.609 ng

RT: 21.869 min Scan# 3164

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

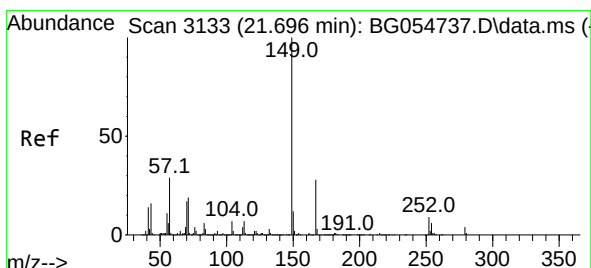
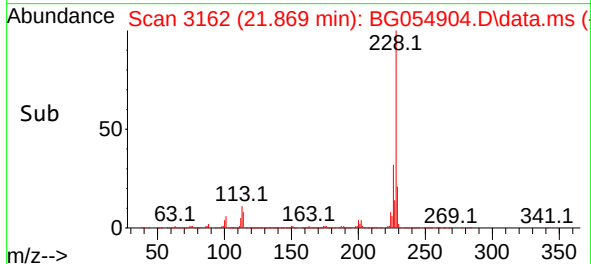
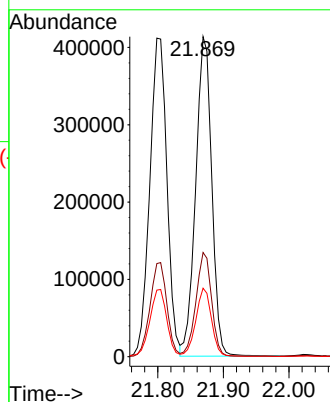
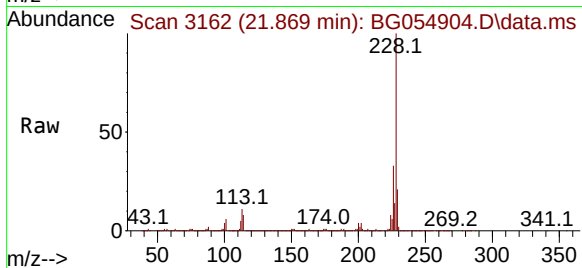
Tgt Ion:228 Resp: 703747

Ion Ratio Lower Upper

228 100

226 32.5 25.5 38.3

229 21.4 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.139 ng

RT: 21.675 min Scan# 3129

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

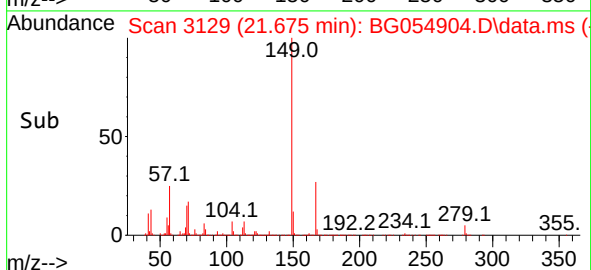
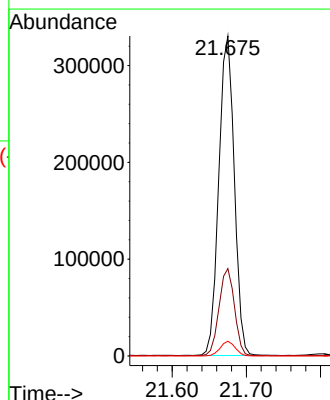
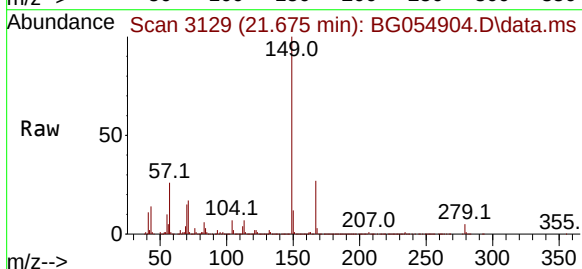
Tgt Ion:149 Resp: 478563

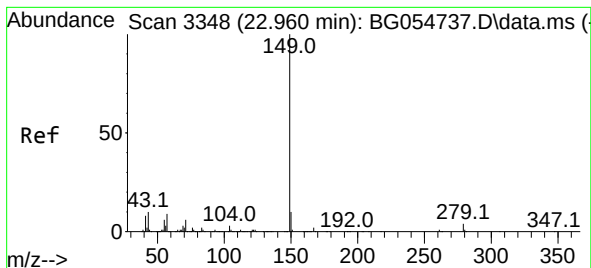
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 46.368 ng

RT: 22.932 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

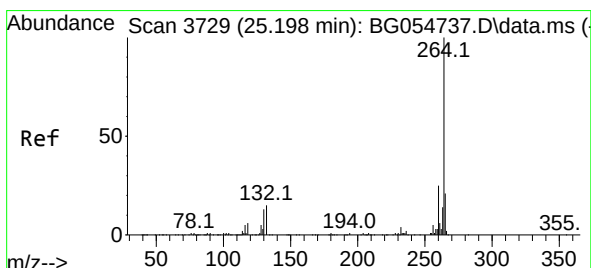
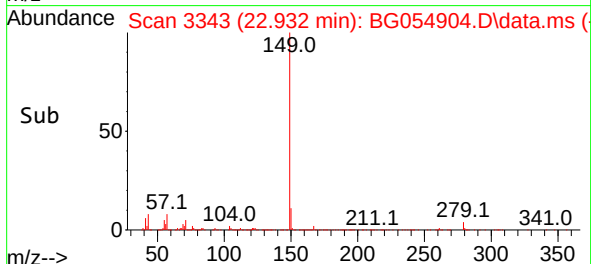
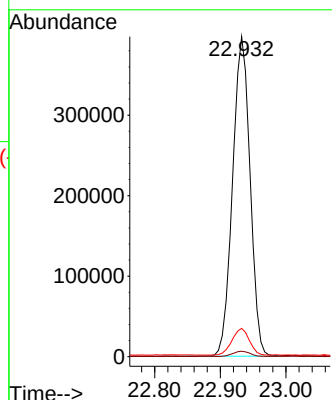
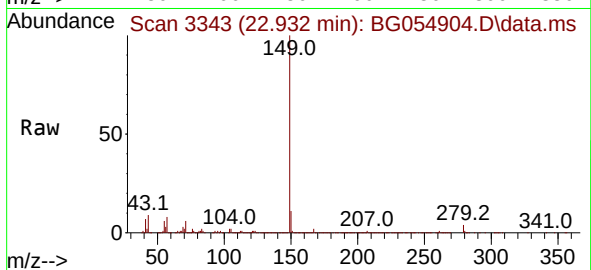
Tgt Ion:149 Resp: 735868

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.2 9.0 13.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.194 min Scan# 3728

Delta R.T. -0.008 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

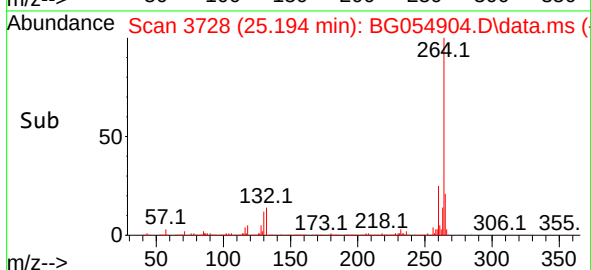
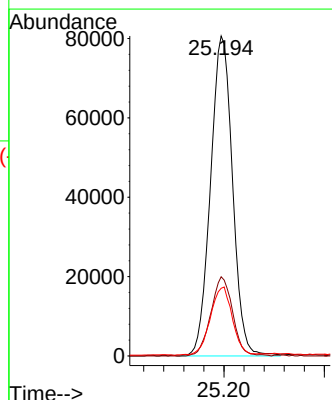
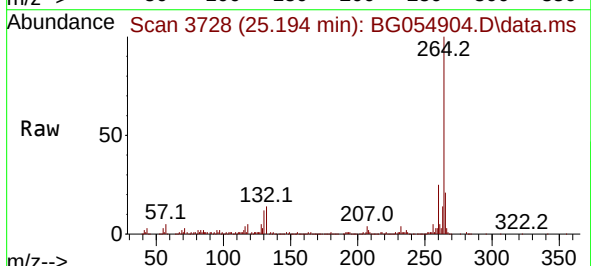
Tgt Ion:264 Resp: 245543

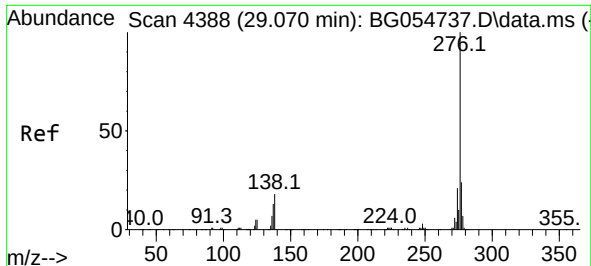
Ion Ratio Lower Upper

264 100

260 24.7 19.9 29.9

265 21.2 16.9 25.3

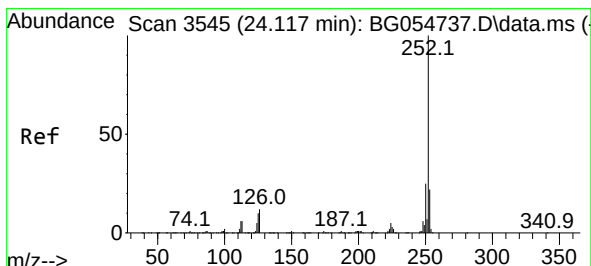
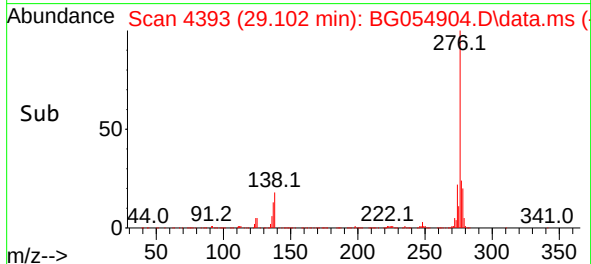
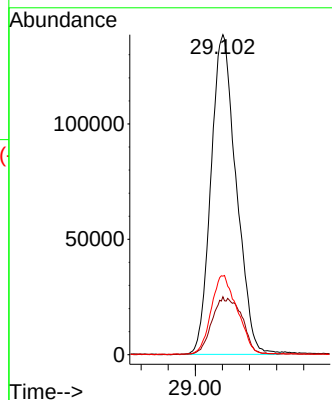
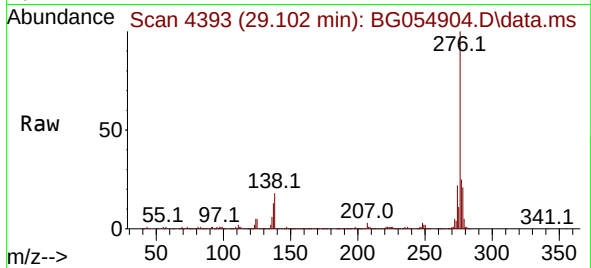




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.129 ng
RT: 29.102 min Scan# 4388
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

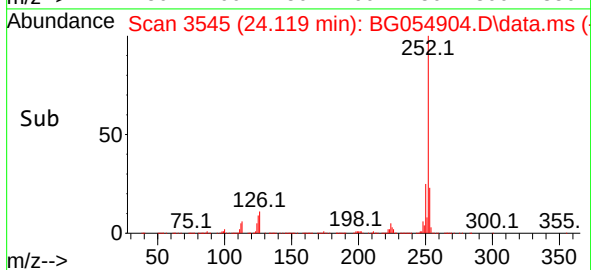
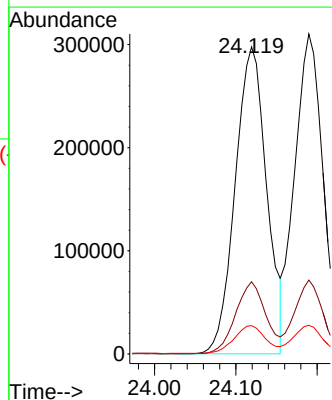
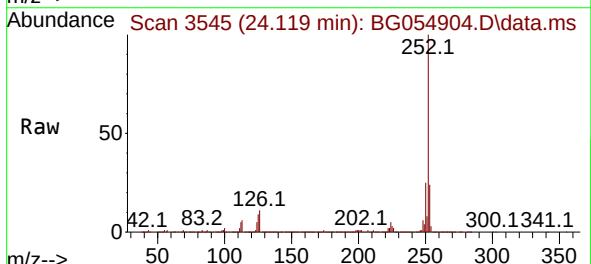
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

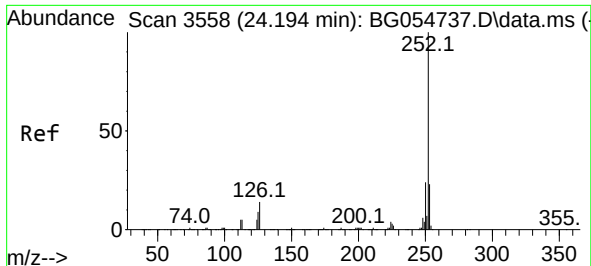
Tgt Ion:276 Resp: 897168
Ion Ratio Lower Upper
276 100
138 10.4 12.0 18.0#
277 25.3 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 51.967 ng
RT: 24.119 min Scan# 3545
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:252 Resp: 800453
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 9.2 8.1 12.1

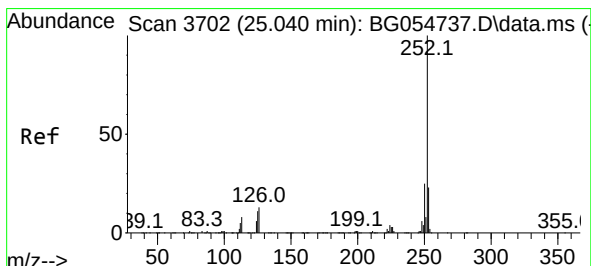
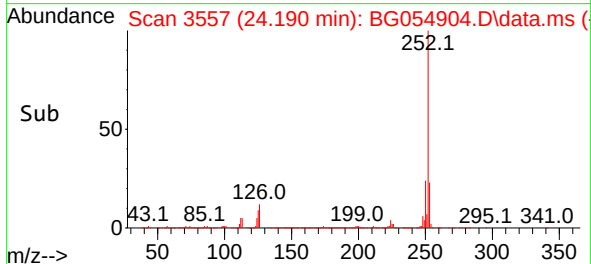
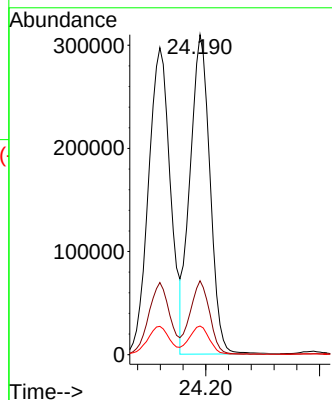
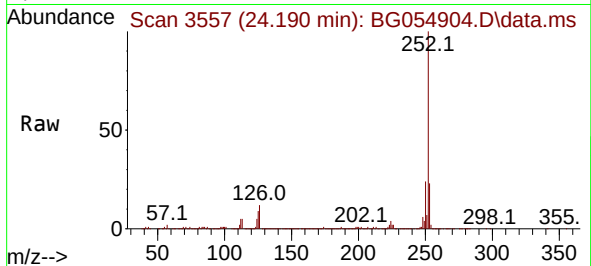




#89
Benzo(k)fluoranthene
Concen: 48.634 ng
RT: 24.190 min Scan# 3558
Delta R.T. -0.002 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

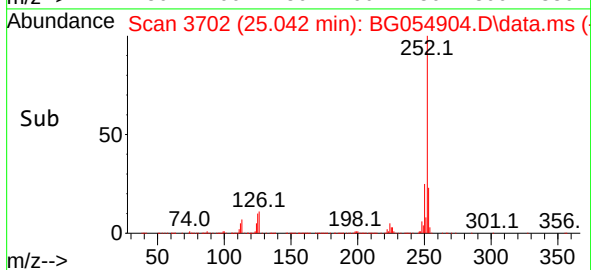
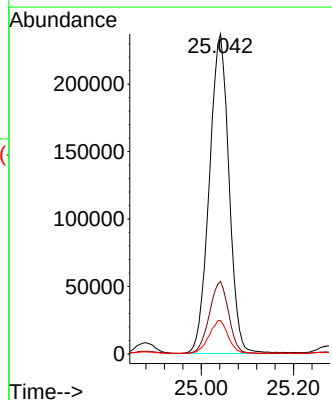
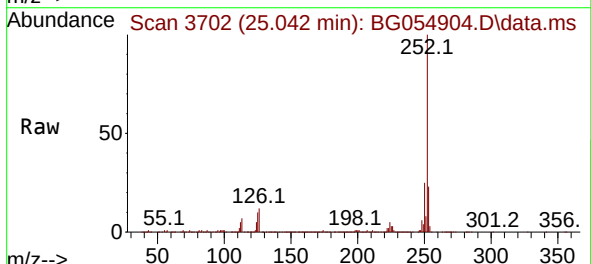
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MS

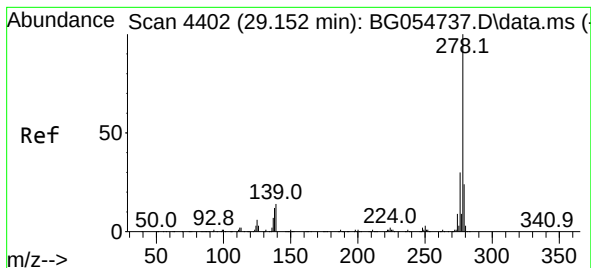
Tgt Ion:252 Resp: 753906
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.0 8.2 12.4



#90
Benzo(a)pyrene
Concen: 53.297 ng
RT: 25.042 min Scan# 3702
Delta R.T. -0.008 min
Lab File: BG054904.D
Acq: 9 Sep 2022 19:50

Tgt Ion:252 Resp: 701374
Ion Ratio Lower Upper
252 100
253 22.7 18.3 27.5
125 10.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 50.151 ng

RT: 29.154 min Scan# 4401

Delta R.T. -0.014 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MS

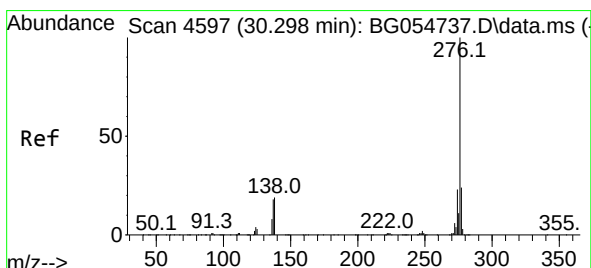
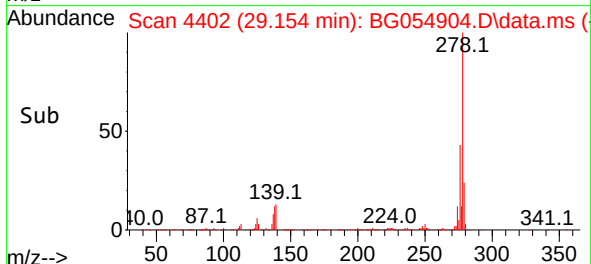
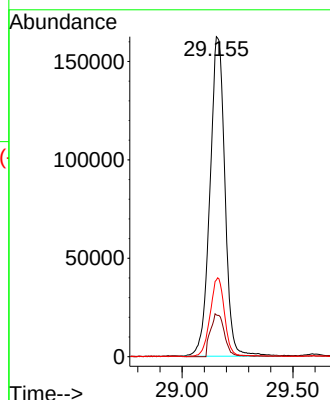
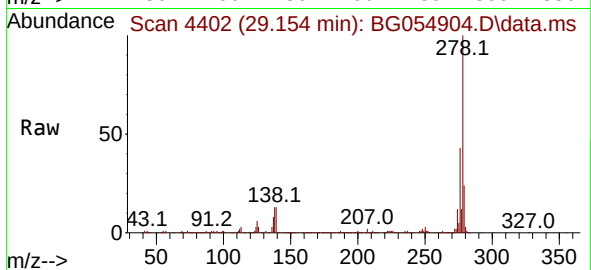
Tgt Ion:278 Resp: 761617

Ion Ratio Lower Upper

278 100

139 13.0 11.4 17.2

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 50.570 ng

RT: 30.324 min Scan# 4601

Delta R.T. -0.002 min

Lab File: BG054904.D

Acq: 9 Sep 2022 19:50

Tgt Ion:276 Resp: 775843

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 17.7 16.6 25.0

