

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054903.D
 Acq On : 9 Sep 2022 19:08
 Operator : CG/JU
 Sample : N4545-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908

Quant Time: Sep 10 02:00:46 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)

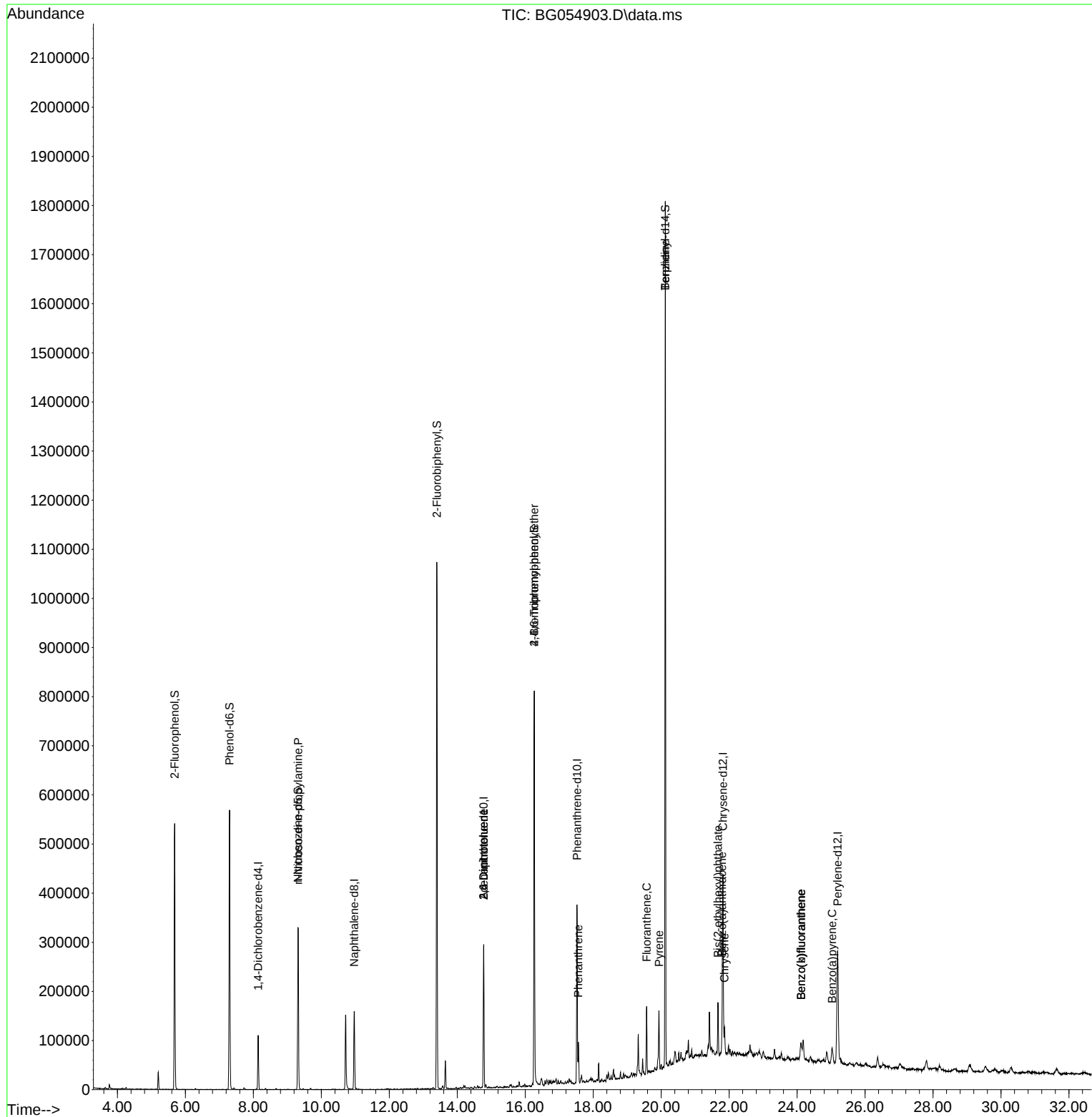
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.141	152	34076	20.000	ng	0.00
21) Naphthalene-d8	10.967	136	148354	20.000	ng	# 0.00
39) Acenaphthene-d10	14.780	164	109472	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	239676	20.000	ng	0.00
76) Chrysene-d12	21.819	240	228957	20.000	ng	0.00
86) Perylene-d12	25.192	264	241979	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	265535	135.694	ng	0.00
7) Phenol-d6	7.301	99	373599	139.602	ng	0.00
23) Nitrobenzene-d5	9.316	82	219766	77.766	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	186867	136.606	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	595548	81.767	ng	0.00
79) Terphenyl-d14	20.121	244	933157	80.755	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	27602	14.999	ng	# 73
51) 2,6-Dinitrotoluene	14.780	165	14736	8.542	ng	# 20
57) 2,4-Dinitrotoluene	14.780	165	14736	6.176	ng	# 18
67) 4-Bromophenyl-phenylether	16.267	248	11782	4.477	ng	# 1
71) Phenanthrene	17.565	178	51828	4.059	ng	98
75) Fluoranthene	19.575	202	87497	5.633	ng	95
77) Benzidine	20.121	184	13064	2.304	ng	# 92
78) Pyrene	19.939	202	79669	4.990	ng	98
81) Benzo(a)anthracene	21.795	228	40862	2.632	ng	100
83) Chrysene	21.866	228	38762	2.611	ng	98
84) Bis(2-ethylhexyl)phtha...	21.672	149	46625	4.860	ng	99
88) Benzo(b)fluoranthene	24.122	252	46990	3.096	ng	# 97
89) Benzo(k)fluoranthene	24.122	252	46990	3.076	ng	# 97
90) Benzo(a)pyrene	25.033	252	33845	2.610	ng	99

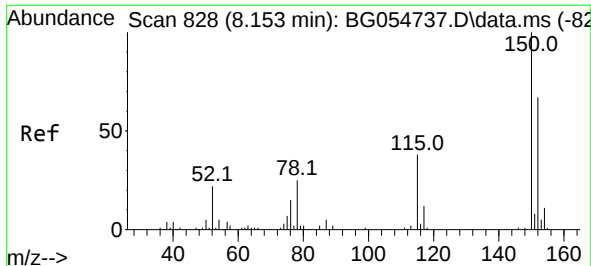
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
Data File : BG054903.D
Acq On : 9 Sep 2022 19:08
Operator : CG/JU
Sample : N4545-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

Quant Time: Sep 10 02:00:46 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

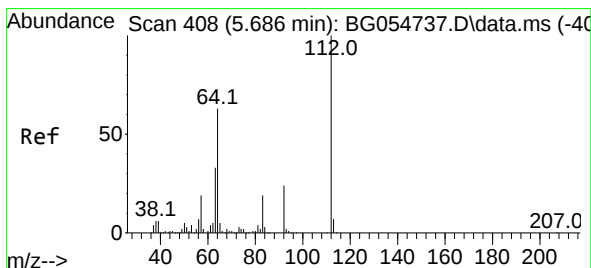
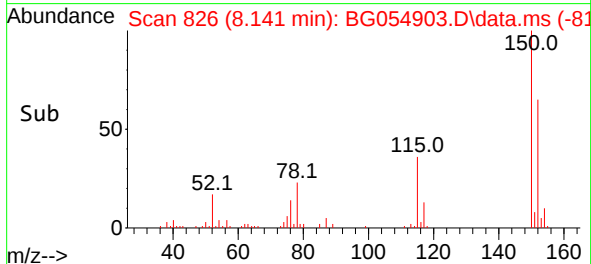
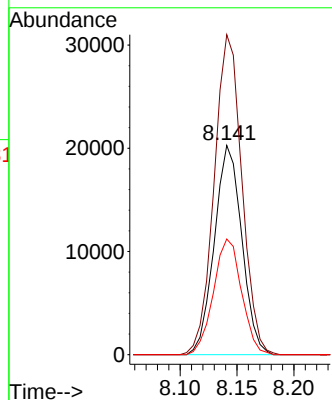
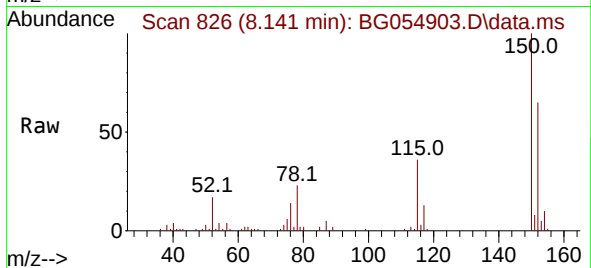




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.141 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

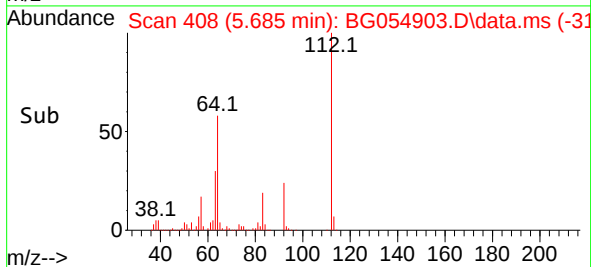
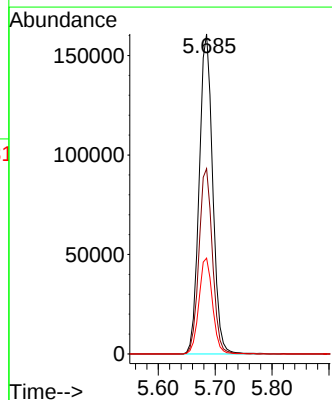
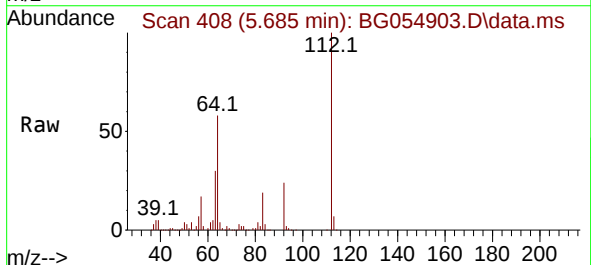
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

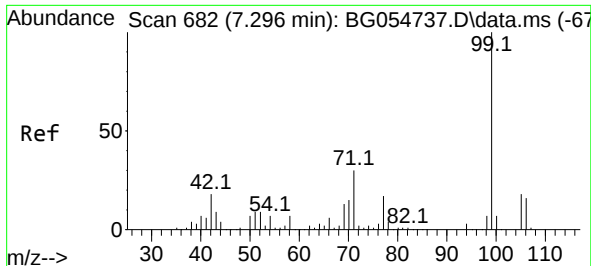
Tgt Ion:152 Resp: 34076
Ion Ratio Lower Upper
152 100
150 152.9 125.2 187.8
115 55.2 47.9 71.9



#5
2-Fluorophenol
Concen: 135.694 ng
RT: 5.685 min Scan# 408
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:112 Resp: 265535
Ion Ratio Lower Upper
112 100
64 57.9 49.3 73.9
63 29.9 26.3 39.5

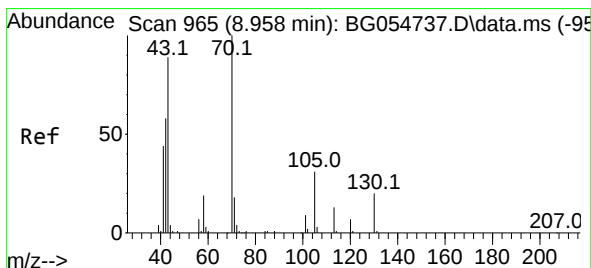
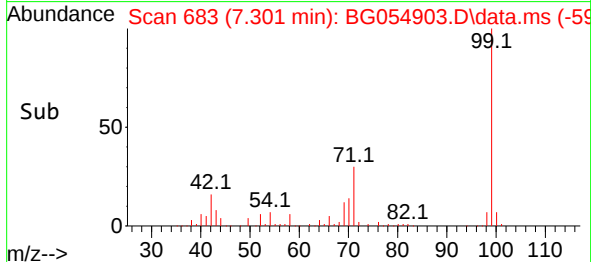
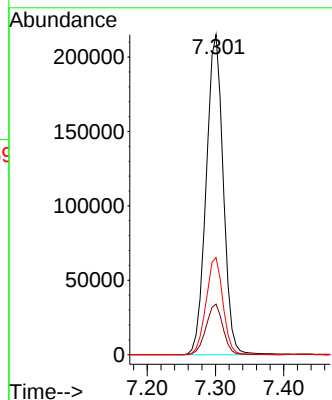
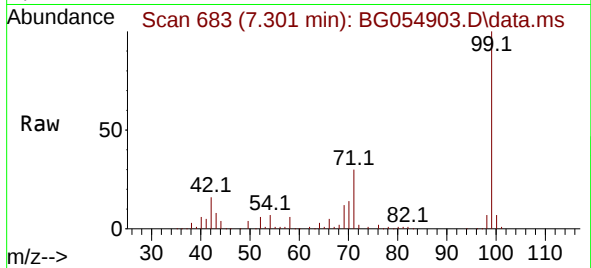




#7
Phenol-d6
Concen: 139.602 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

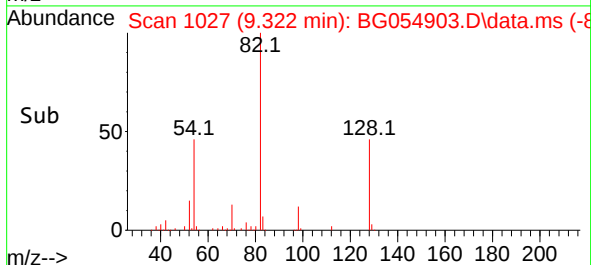
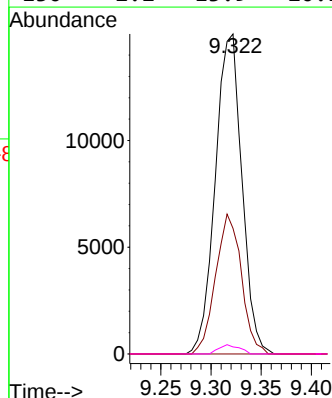
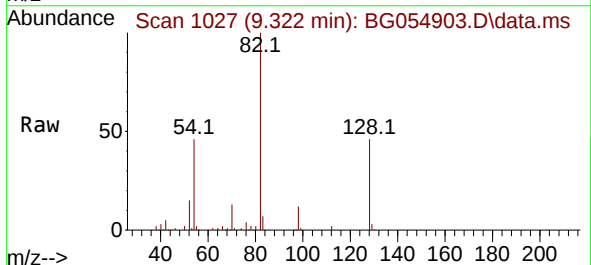
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

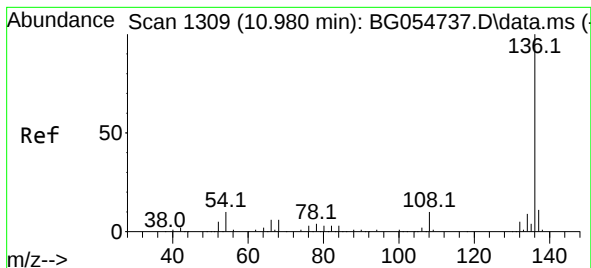
Tgt Ion: 99 Resp: 373599
Ion Ratio Lower Upper
99 100
42 15.8 14.6 22.0
71 30.3 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.999 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.371 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion: 70 Resp: 27602
Ion Ratio Lower Upper
70 100
42 39.2 46.6 69.8#
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.967 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908

Tgt Ion:136 Resp: 148354

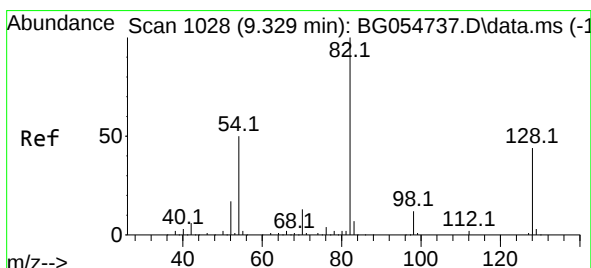
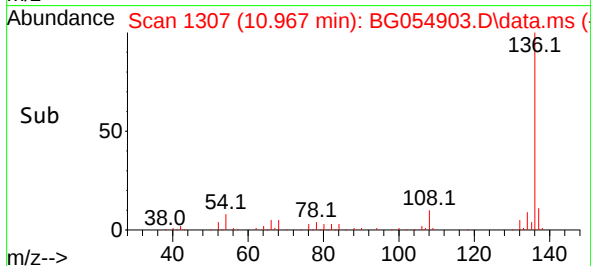
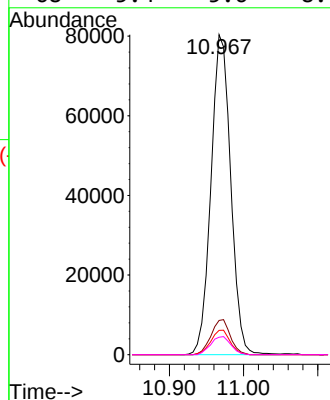
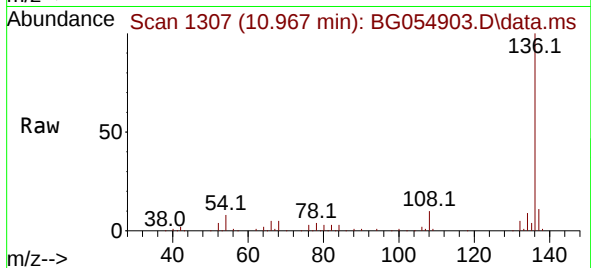
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 7.6 7.7 11.5#

68 5.4 5.6 8.4#



#23

Nitrobenzene-d5

Concen: 77.766 ng

RT: 9.316 min Scan# 1026

Delta R.T. -0.005 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

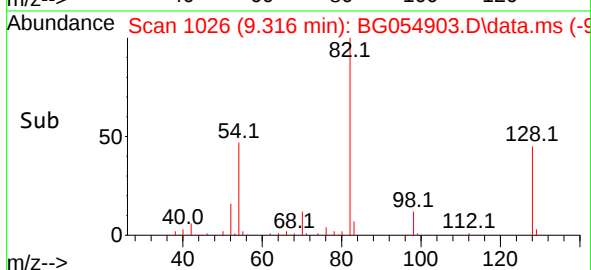
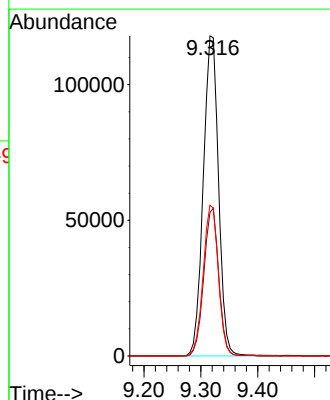
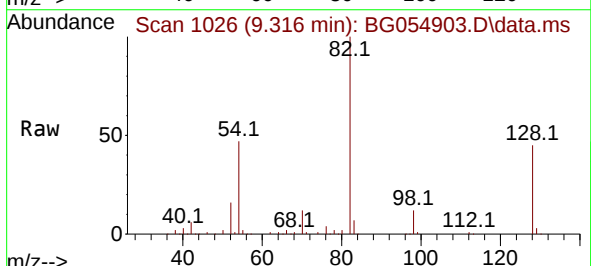
Tgt Ion: 82 Resp: 219766

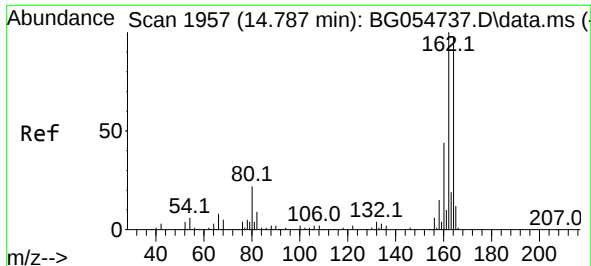
Ion Ratio Lower Upper

82 100

128 44.8 32.2 48.2

54 47.1 41.4 62.0

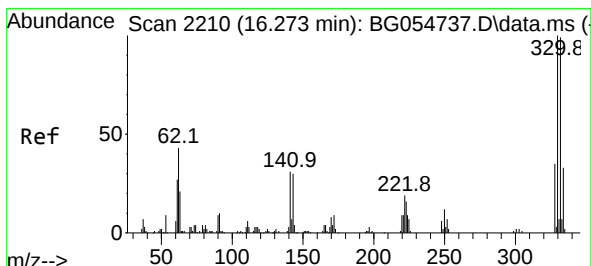
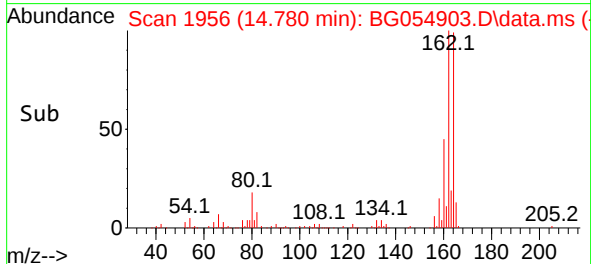
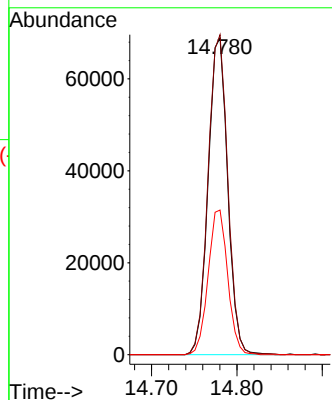
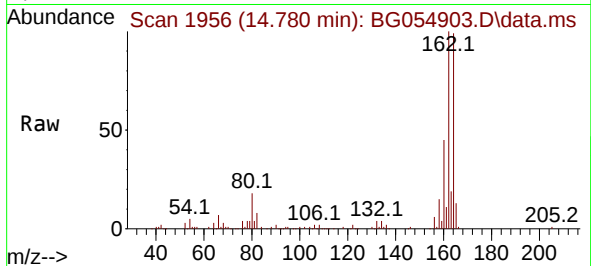




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

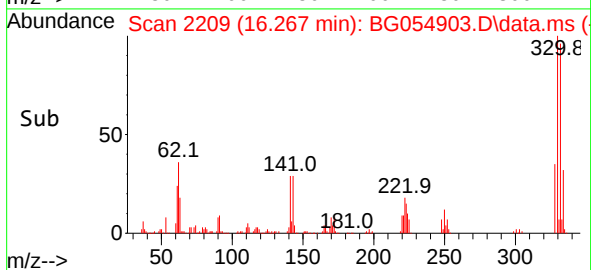
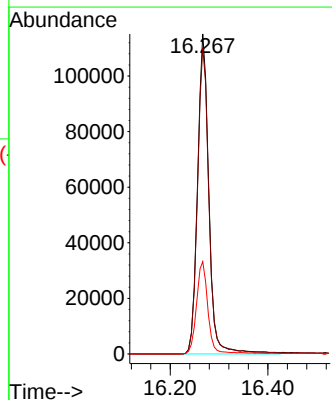
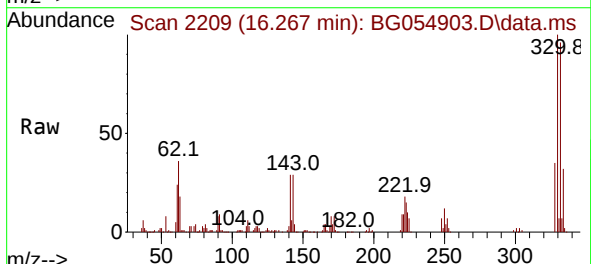
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

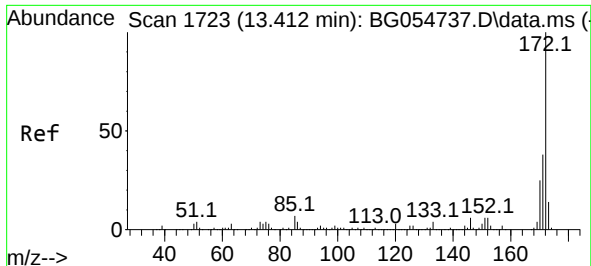
Tgt Ion:164 Resp: 109472
Ion Ratio Lower Upper
164 100
162 101.1 83.0 124.4
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 136.606 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:330 Resp: 186867
Ion Ratio Lower Upper
330 100
332 96.2 79.8 119.6
141 29.5 26.8 40.2

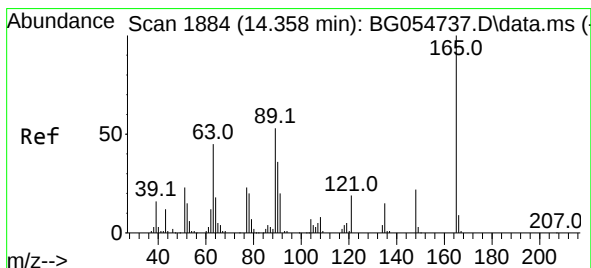
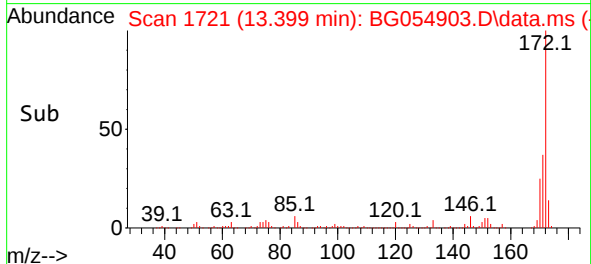
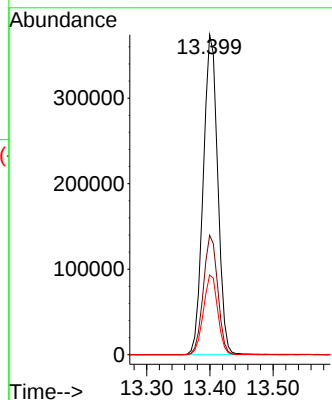
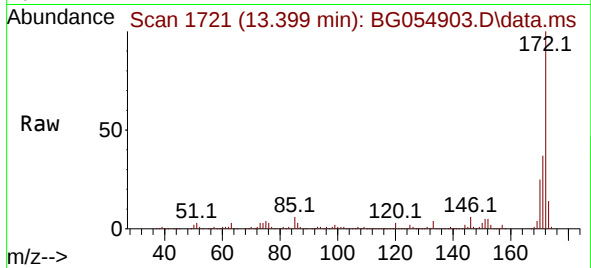




#45
2-Fluorobiphenyl
Concen: 81.767 ng
RT: 13.399 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

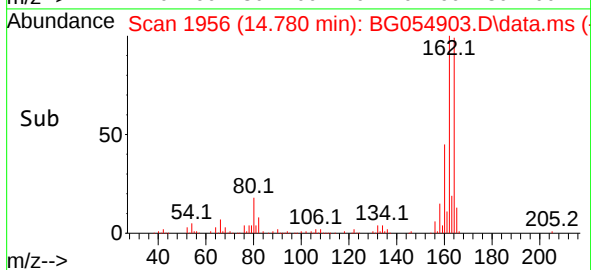
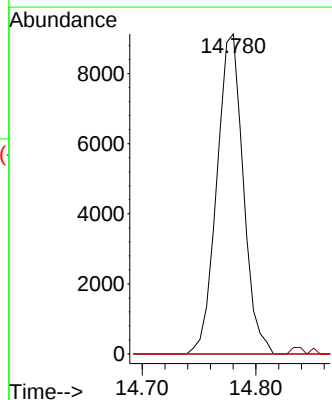
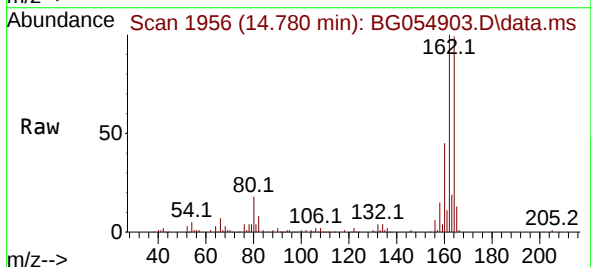
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

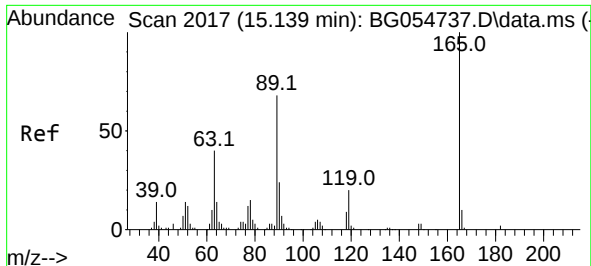
Tgt Ion:172 Resp: 595548
Ion Ratio Lower Upper
172 100
171 37.3 31.2 46.8
170 24.9 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.542 ng
RT: 14.780 min Scan# 1956
Delta R.T. 0.424 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:165 Resp: 14736
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

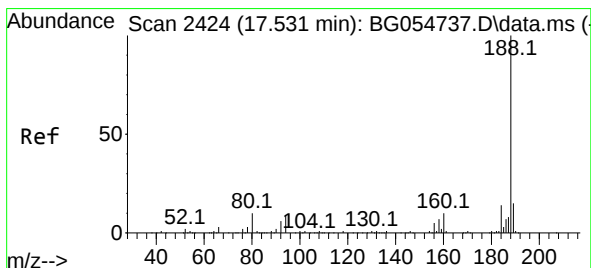
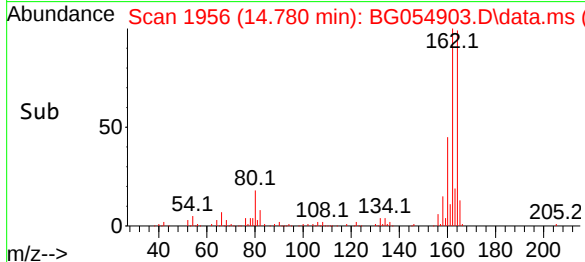
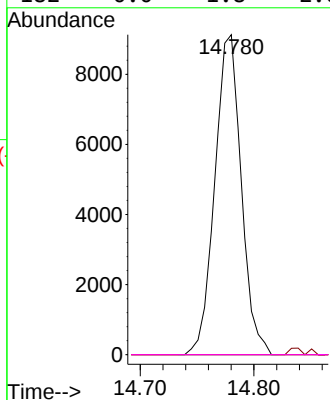
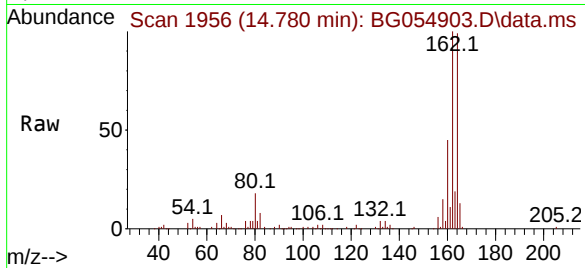




#57
2,4-Dinitrotoluene
Concen: 6.176 ng
RT: 14.780 min Scan# 1956
Delta R.T. -0.364 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

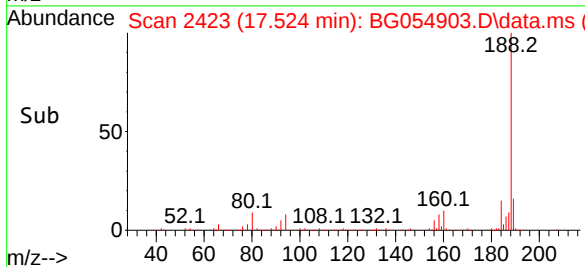
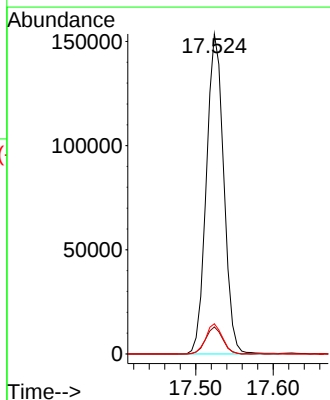
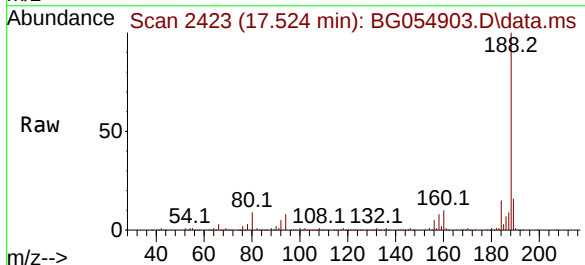
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

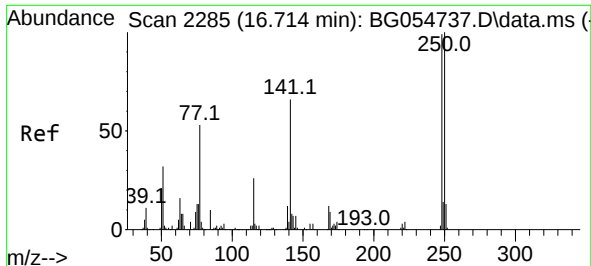
Tgt Ion:165 Resp: 14736
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:188 Resp: 239676
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.5 7.9 11.9

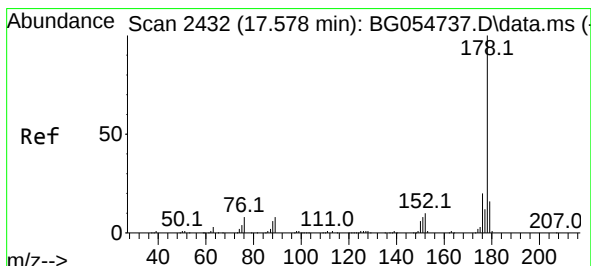
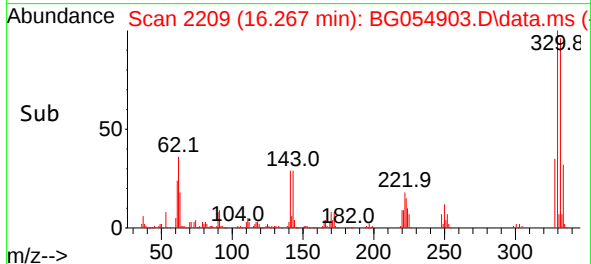
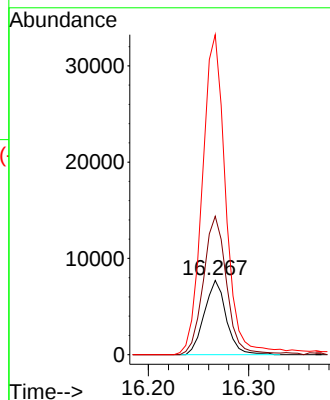
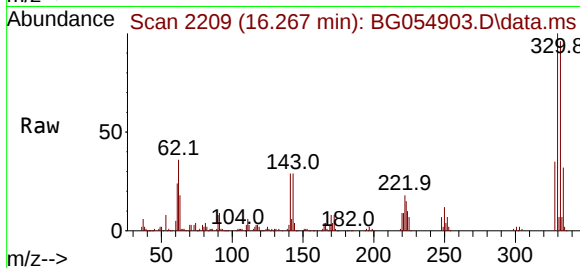




#67
4-Bromophenyl-phenylether
Concen: 4.477 ng
RT: 16.267 min Scan# 211
Delta R.T. -0.440 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

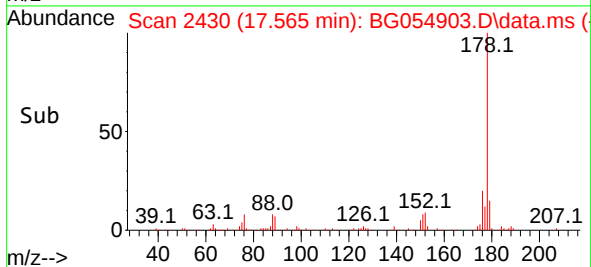
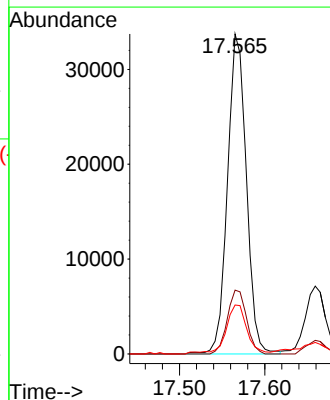
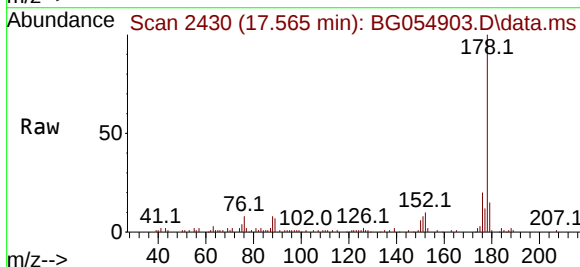
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

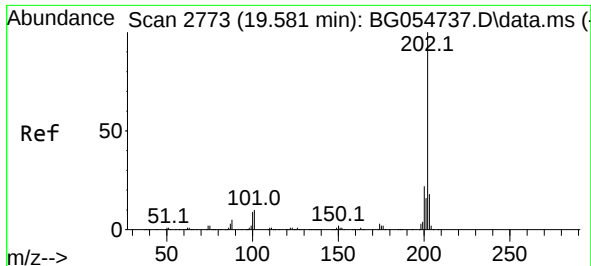
Tgt Ion:248 Resp: 11782
Ion Ratio Lower Upper
248 100
250 186.2 78.8 118.2#
141 430.6 51.9 77.9#



#71
Phenanthrene
Concen: 4.059 ng
RT: 17.565 min Scan# 2430
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:178 Resp: 51828
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.3 12.8 19.2

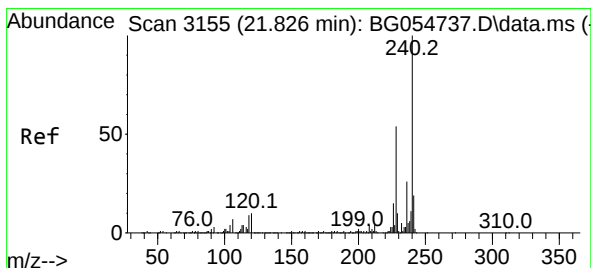
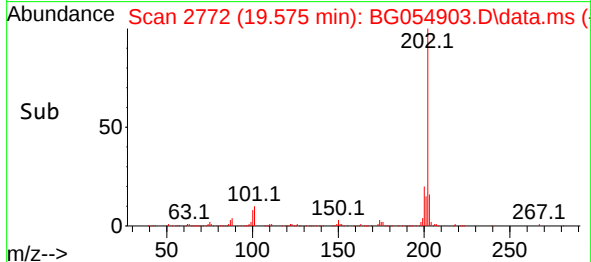
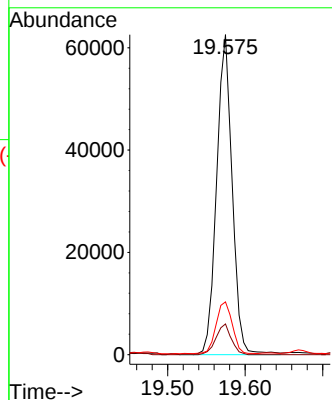
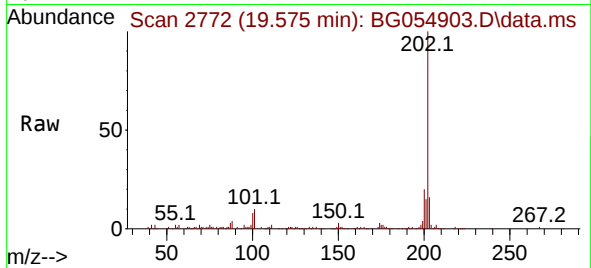




#75
Fluoranthene
Concen: 5.633 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

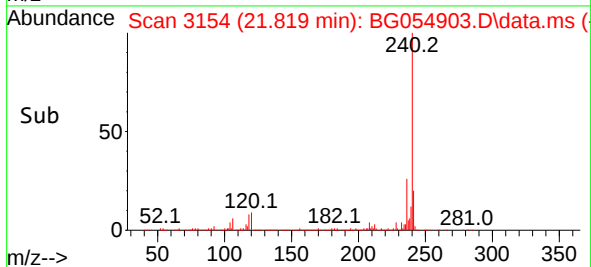
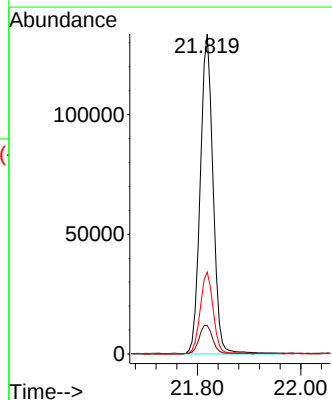
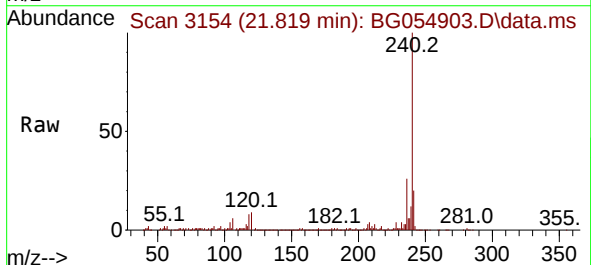
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

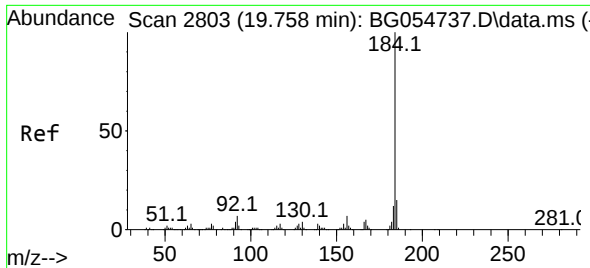
Tgt Ion:202 Resp: 87497
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 16.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:240 Resp: 228957
Ion Ratio Lower Upper
240 100
120 8.9 8.2 12.4
236 25.6 21.2 31.8

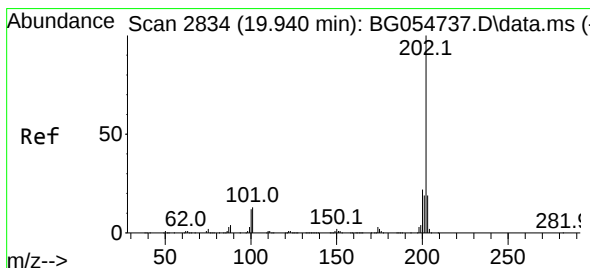
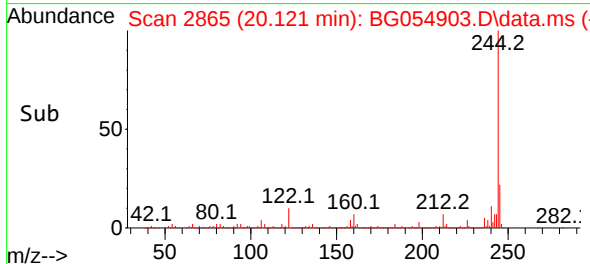
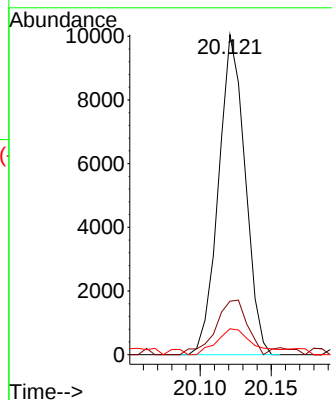
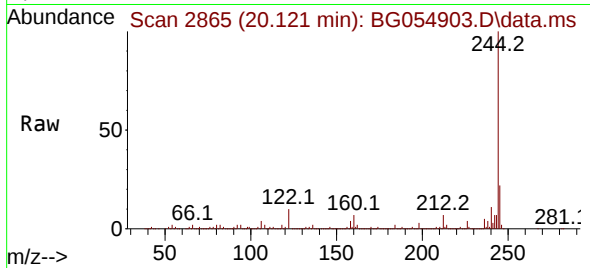




#77
Benzidine
Concen: 2.304 ng
RT: 20.121 min Scan# 21
Delta R.T. 0.371 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

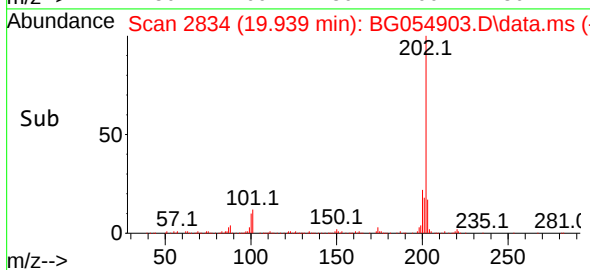
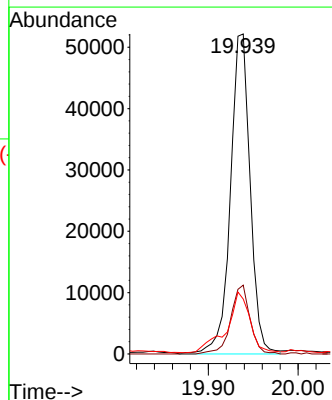
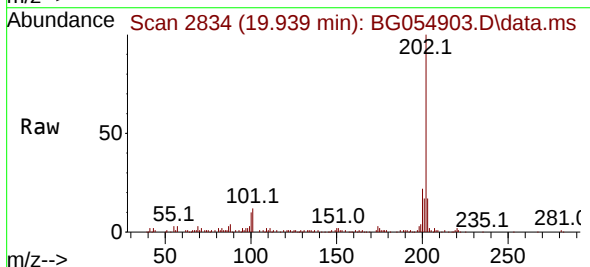
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

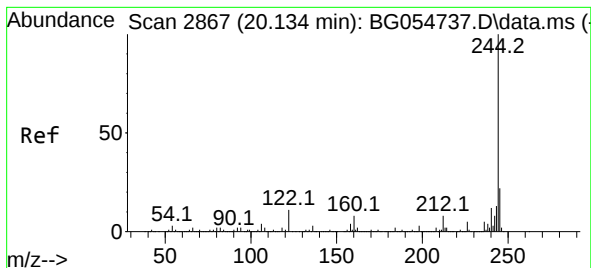
Tgt Ion:184 Resp: 13064
Ion Ratio Lower Upper
184 100
185 16.7 11.4 17.0
183 8.1 9.8 14.8#



#78
Pyrene
Concen: 4.990 ng
RT: 19.939 min Scan# 2834
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:202 Resp: 79669
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 17.2 14.6 21.8





#79

Terphenyl-d14

Concen: 80.755 ng

RT: 20.121 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908

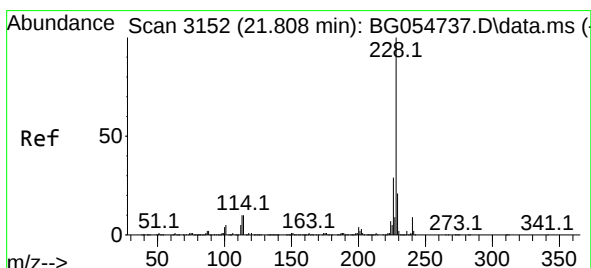
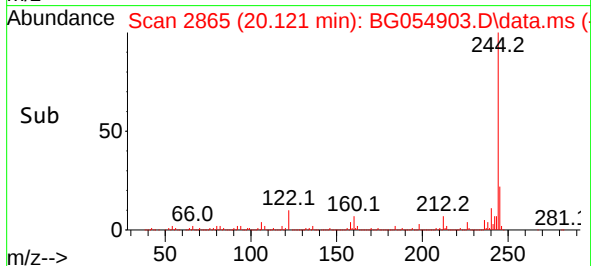
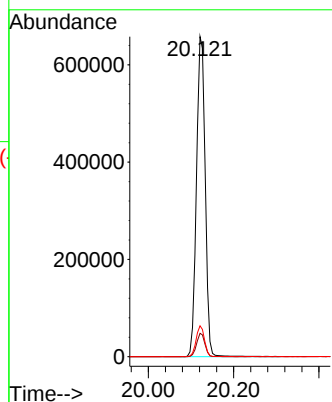
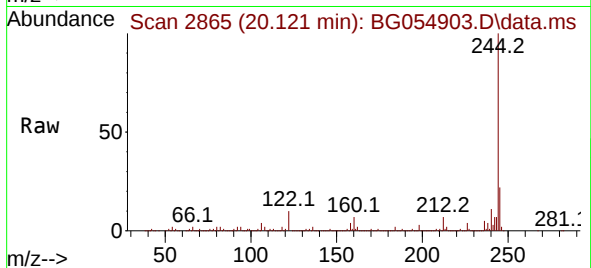
Tgt Ion:244 Resp: 933157

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.6 9.0 13.6



#81

Benzo(a)anthracene

Concen: 2.632 ng

RT: 21.795 min Scan# 3150

Delta R.T. -0.011 min

Lab File: BG054903.D

Acq: 9 Sep 2022 19:08

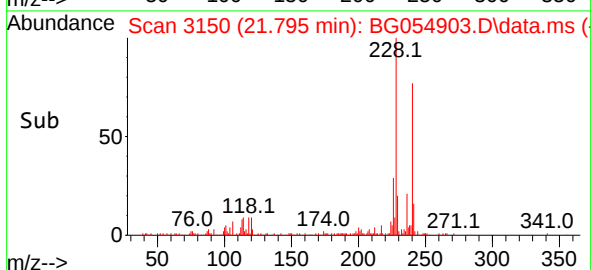
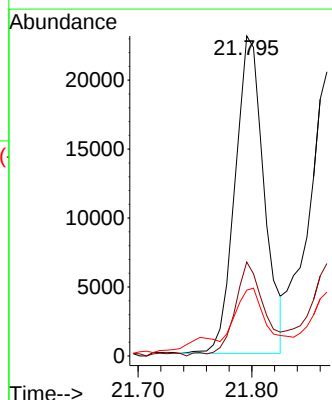
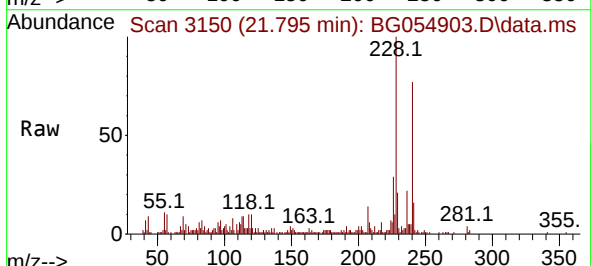
Tgt Ion:228 Resp: 40862

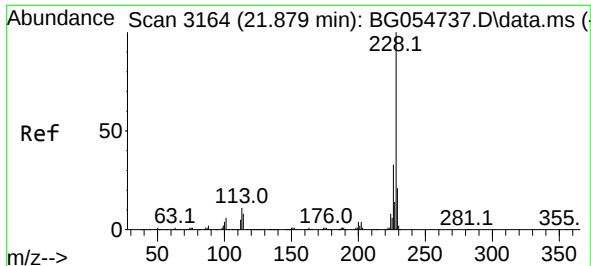
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 20.5 16.5 24.7

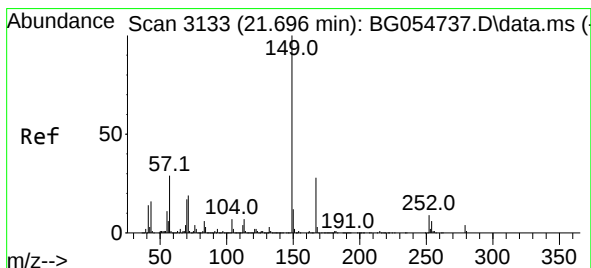
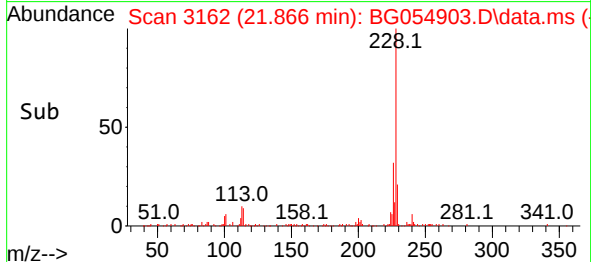
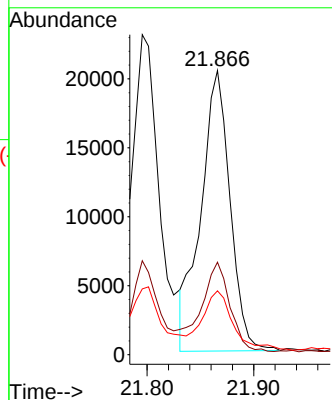
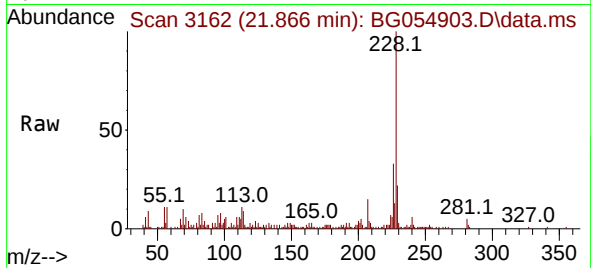




#83
Chrysene
Concen: 2.611 ng
RT: 21.866 min Scan# 3164
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

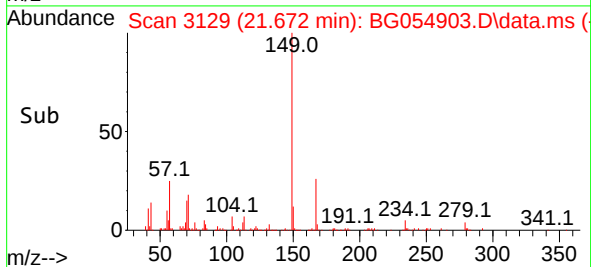
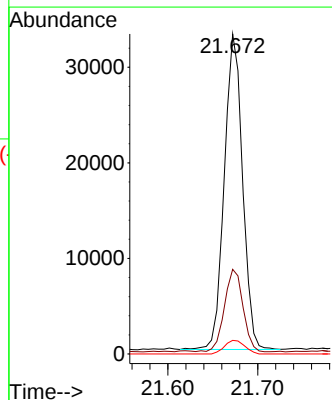
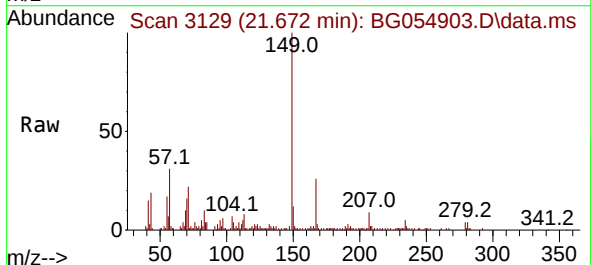
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

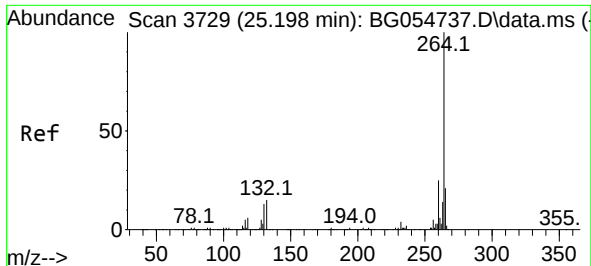
Tgt Ion:228 Resp: 38762
Ion Ratio Lower Upper
228 100
226 32.6 25.5 38.3
229 22.5 16.8 25.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.860 ng
RT: 21.672 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:149 Resp: 46625
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.3 3.1 4.7



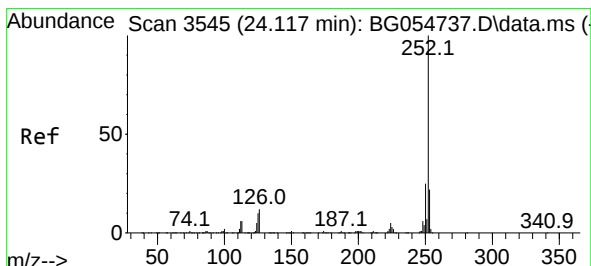
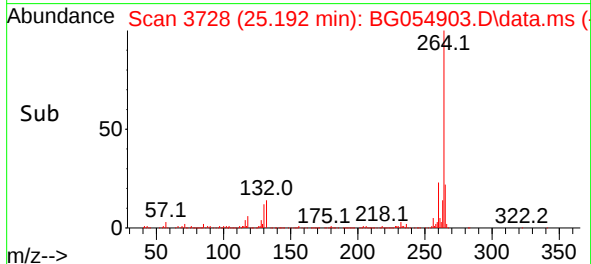
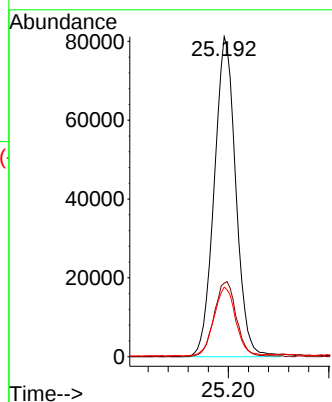
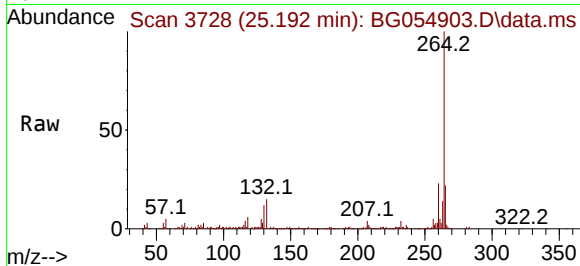


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

Tgt Ion:264 Resp: 241979

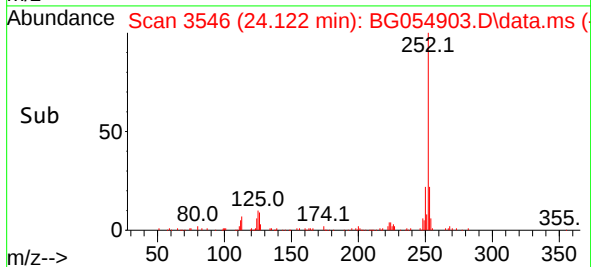
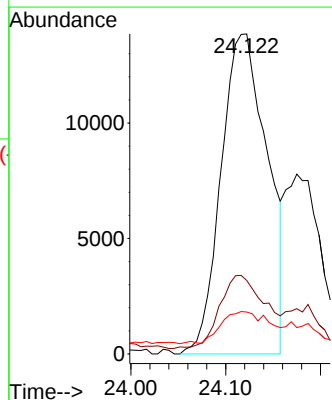
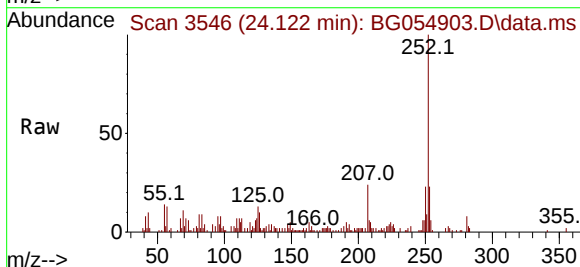
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.9	29.9
265	21.8	16.9	25.3

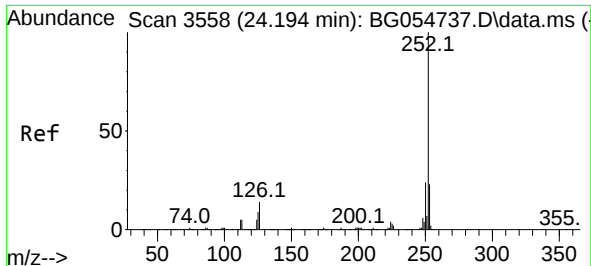


#88
Benzo(b)fluoranthene
Concen: 3.096 ng
RT: 24.122 min Scan# 3546
Delta R.T. 0.001 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:252 Resp: 46990

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.1	8.1	12.1

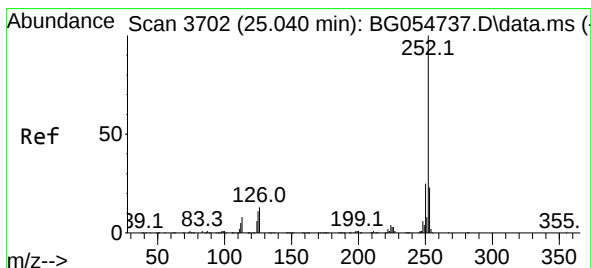
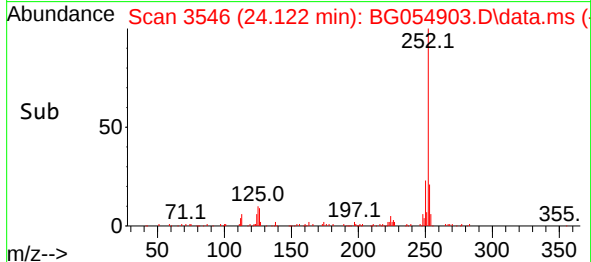
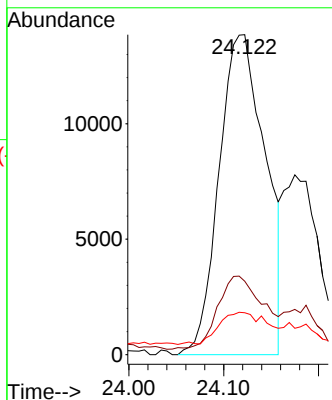
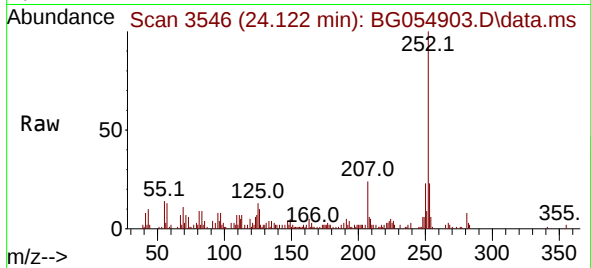




#89
Benzo(k)fluoranthene
Concen: 3.076 ng
RT: 24.122 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908

Tgt Ion:252 Resp: 46990
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 13.1 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 2.610 ng
RT: 25.033 min Scan# 3701
Delta R.T. -0.017 min
Lab File: BG054903.D
Acq: 9 Sep 2022 19:08

Tgt Ion:252 Resp: 33845
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.6 8.8 13.2

