

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055064.D
 Acq On : 4 Oct 2022 15:29
 Operator : CG/JU
 Sample : N4943-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-003-0930

Quant Time: Oct 05 00:31:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

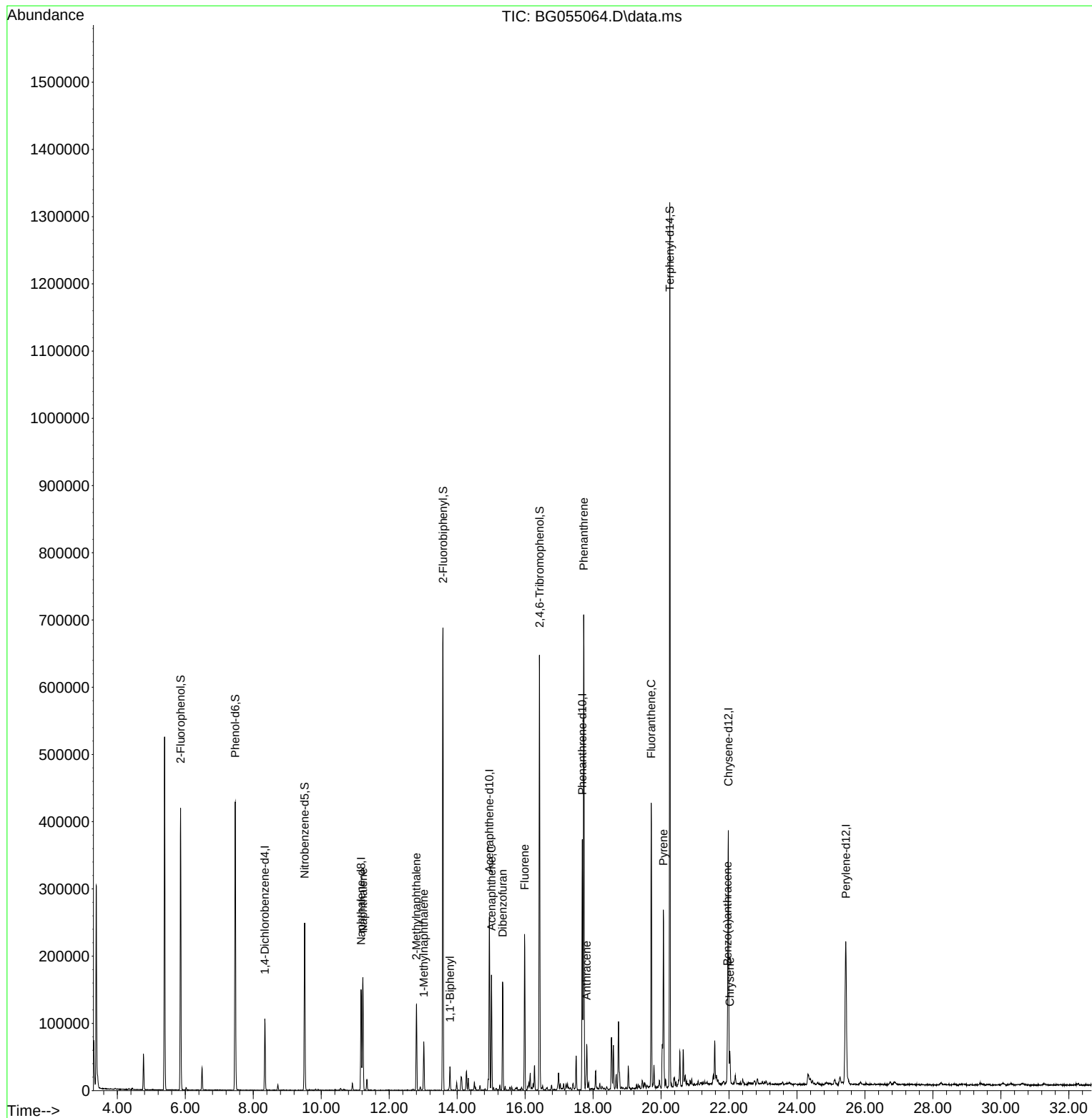
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	28725	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	125376	20.000	ng	0.00
39) Acenaphthene-d10	14.950	164	93211	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	229542	20.000	ng	0.00
76) Chrysene-d12	21.977	240	230916	20.000	ng	0.00
86) Perylene-d12	25.438	264	246456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	169194	130.828	ng	0.00
7) Phenol-d6	7.471	99	237384	122.508	ng	0.00
23) Nitrobenzene-d5	9.509	82	143922	68.593	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	123093	127.222	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	349414	58.521	ng	0.00
79) Terphenyl-d14	20.256	244	645868	56.532	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.225	128	140101	21.173	ng	99
37) 2-Methylnaphthalene	12.800	142	59515	12.205	ng	99
38) 1-Methylnaphthalene	13.017	142	33181	6.995	ng	96
46) 1,1'-Biphenyl	13.787	154	18581	2.907	ng	96
52) Acenaphthene	15.009	154	60984	11.517	ng	98
55) Dibenzofuran	15.338	168	103916	12.301	ng	97
58) Fluorene	15.984	166	102249	15.125	ng	99
71) Phenanthrene	17.723	178	440051	36.496	ng	99
72) Anthracene	17.811	178	45854	3.910	ng	97
75) Fluoranthene	19.709	202	267485	17.782	ng	99
78) Pyrene	20.068	202	181523	11.822	ng	99
81) Benzo(a)anthracene	21.954	228	49483	3.373	ng	97
83) Chrysene	22.024	228	34305	2.426	ng	95

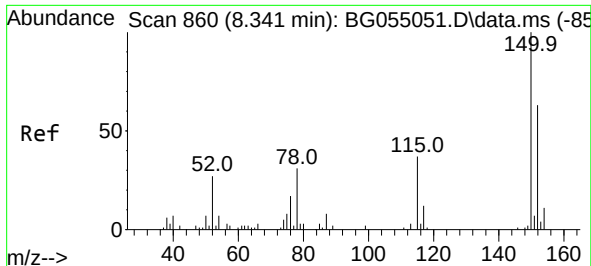
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
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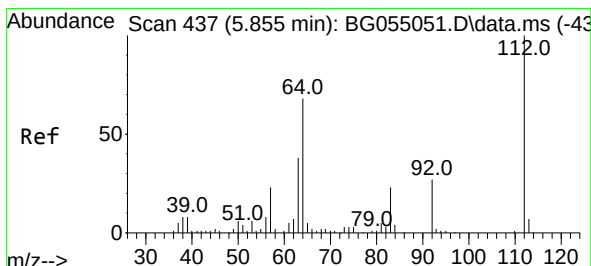
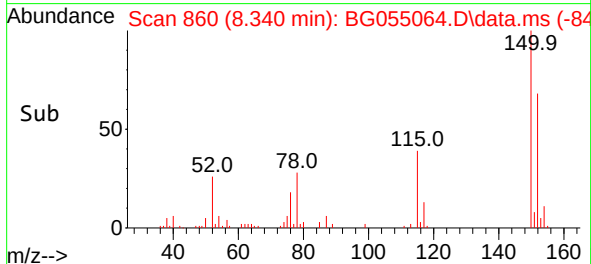
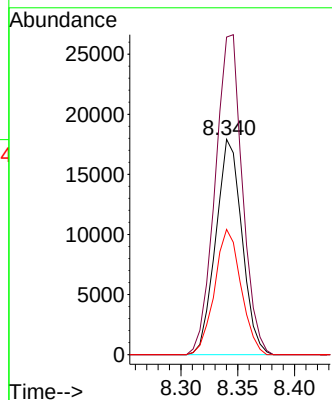
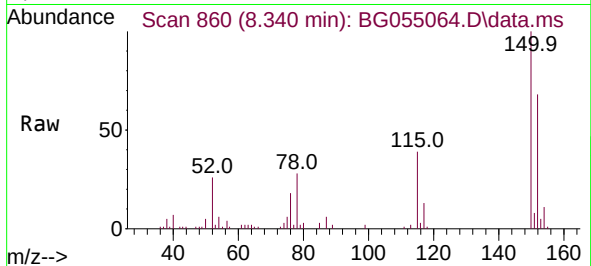




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

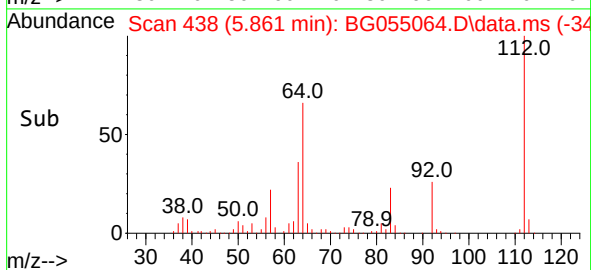
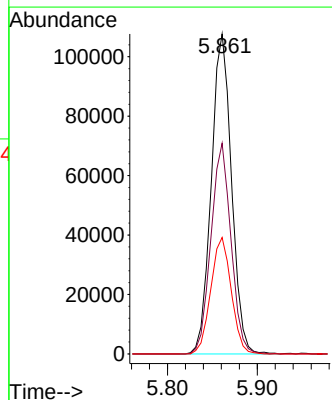
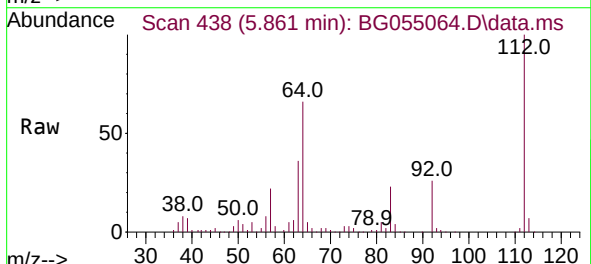
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

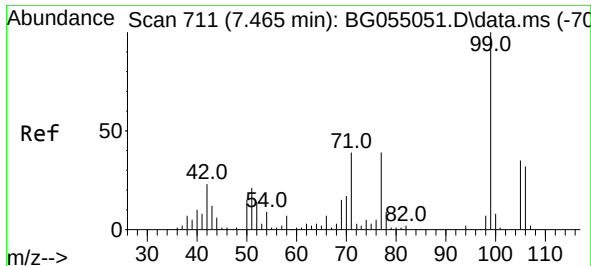
Tgt Ion:152 Resp: 28725
Ion Ratio Lower Upper
152 100
150 147.6 128.0 192.0
115 58.1 47.7 71.5



#5
2-Fluorophenol
Concen: 130.828 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:112 Resp: 169194
Ion Ratio Lower Upper
112 100
64 65.9 54.5 81.7
63 36.4 30.5 45.7

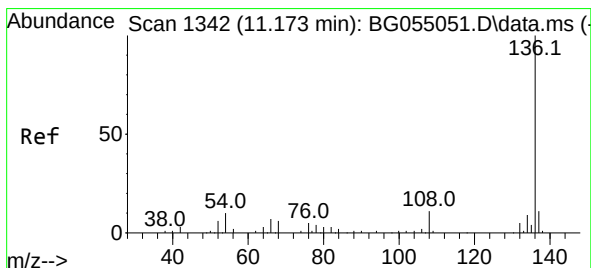
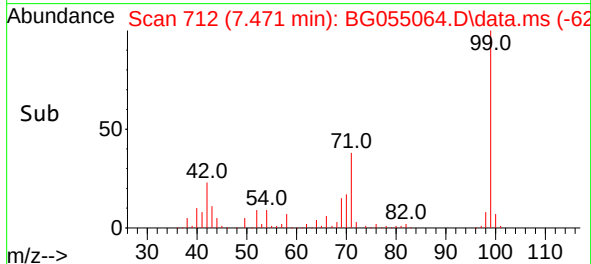
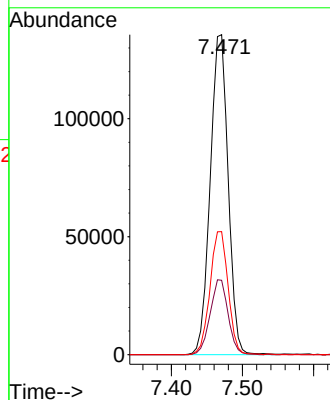
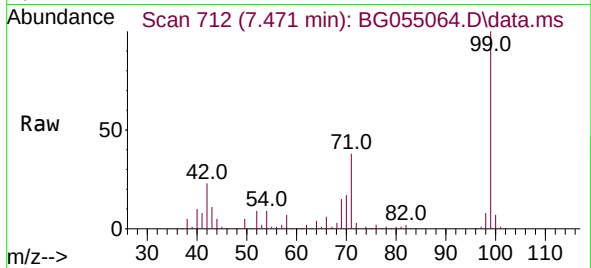




#7
Phenol-d6
Concen: 122.508 ng
RT: 7.471 min Scan# 711
Delta R.T. 0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

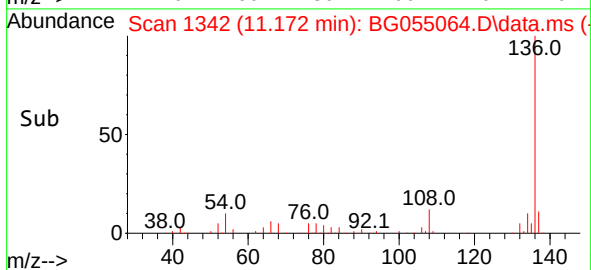
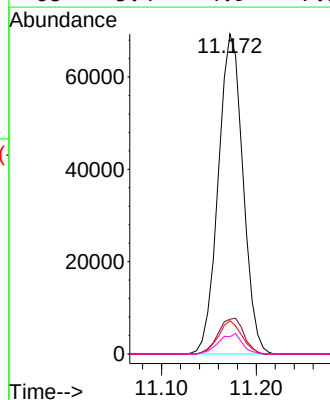
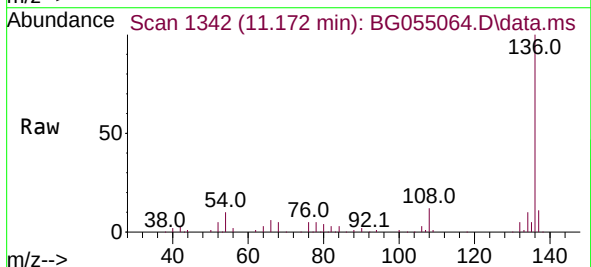
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

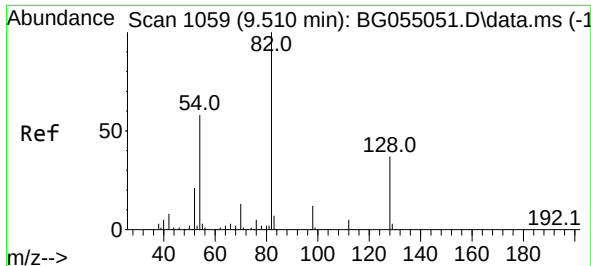
Tgt Ion: 99 Resp: 237384
Ion Ratio Lower Upper
99 100
42 23.2 18.6 28.0
71 38.4 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion: 136 Resp: 125376
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 10.4 8.2 12.4
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 68.593 ng

RT: 9.509 min Scan# 1059

Delta R.T. -0.001 min

Lab File: BG055064.D

Acq: 4 Oct 2022 15:29

Instrument :

BNA_G

ClientSampleId :

SOIL-003-0930

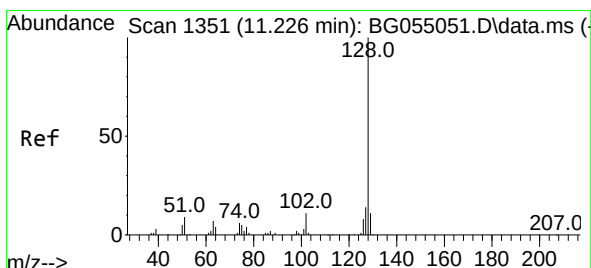
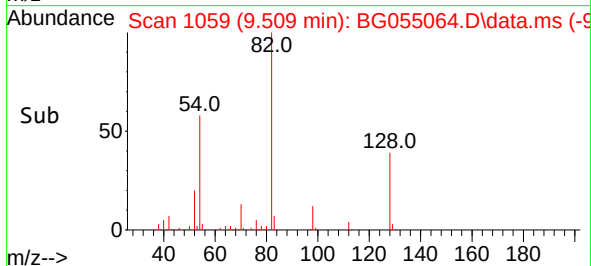
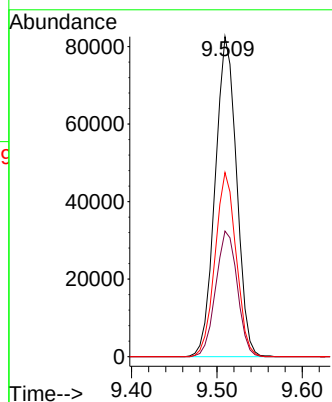
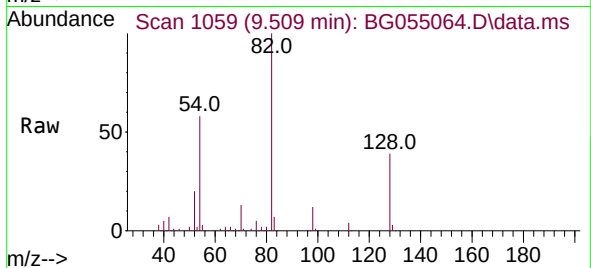
Tgt Ion: 82 Resp: 143922

Ion Ratio Lower Upper

82 100

128 39.2 29.5 44.3

54 57.5 46.7 70.1



#31

Naphthalene

Concen: 21.173 ng

RT: 11.225 min Scan# 1351

Delta R.T. -0.001 min

Lab File: BG055064.D

Acq: 4 Oct 2022 15:29

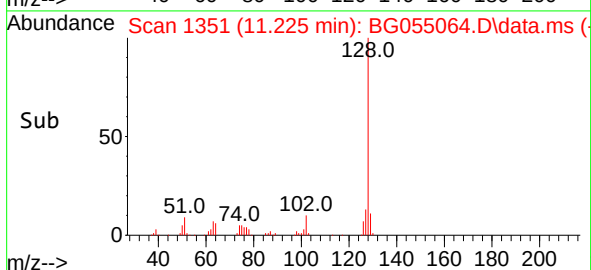
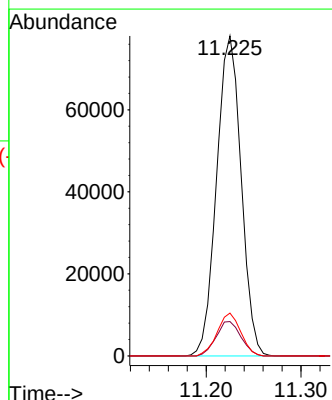
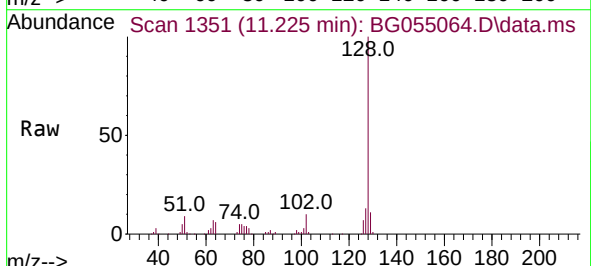
Tgt Ion: 128 Resp: 140101

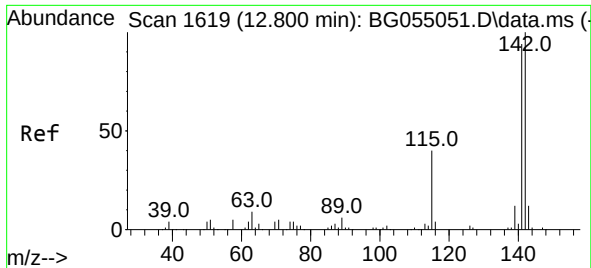
Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.4 10.9 16.3

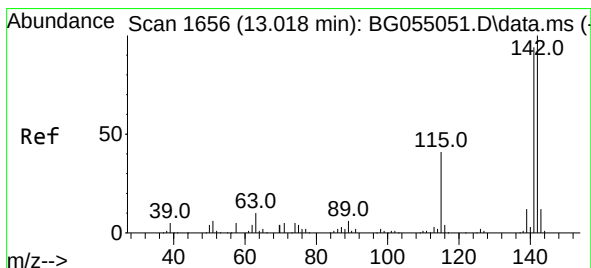
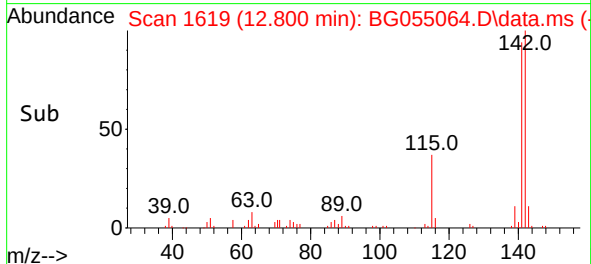
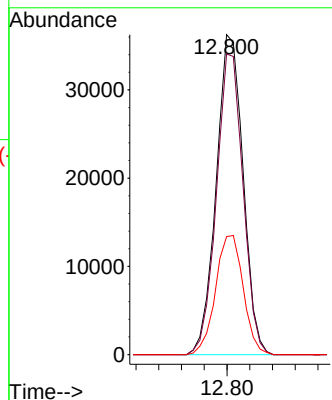
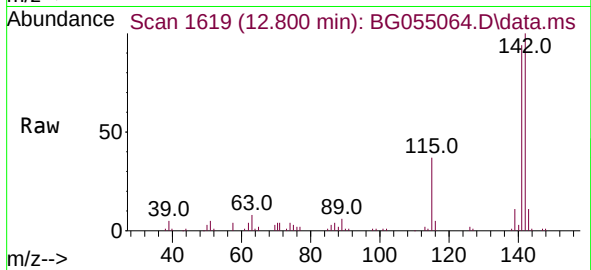




#37
2-Methylnaphthalene
Concen: 12.205 ng
RT: 12.800 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

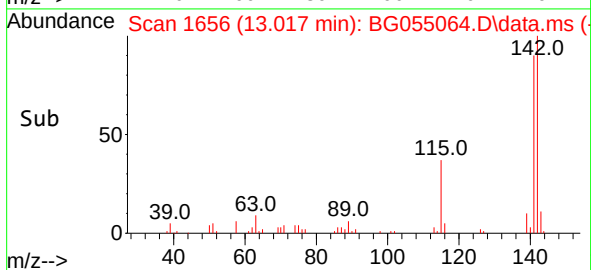
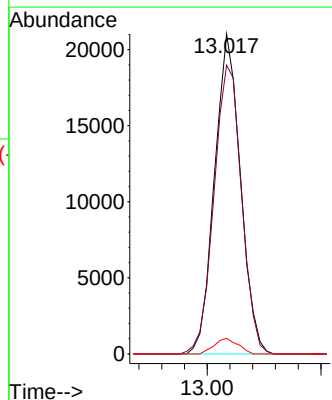
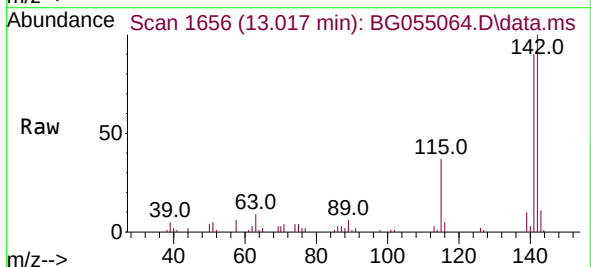
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

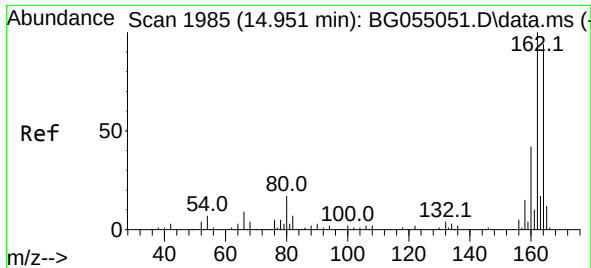
Tgt Ion:142 Resp: 59515
Ion Ratio Lower Upper
142 100
141 93.9 75.0 112.4
115 36.9 31.7 47.5



#38
1-Methylnaphthalene
Concen: 6.995 ng
RT: 13.017 min Scan# 1656
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:142 Resp: 33181
Ion Ratio Lower Upper
142 100
141 90.2 75.5 113.3
116 4.9 3.4 5.2

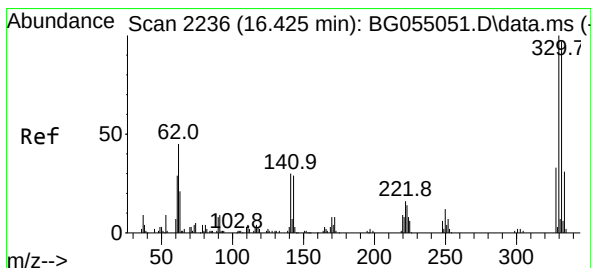
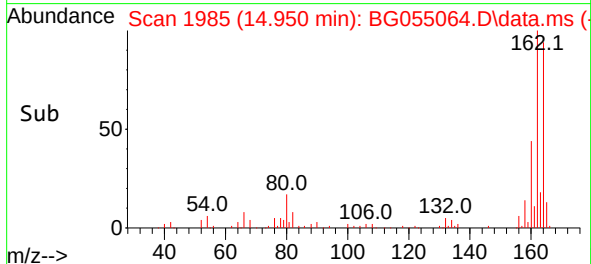
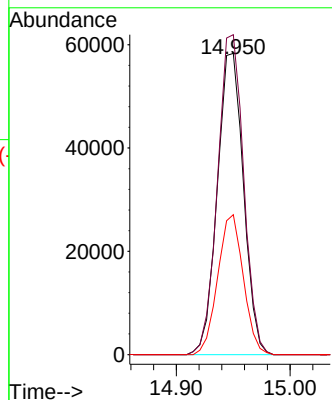
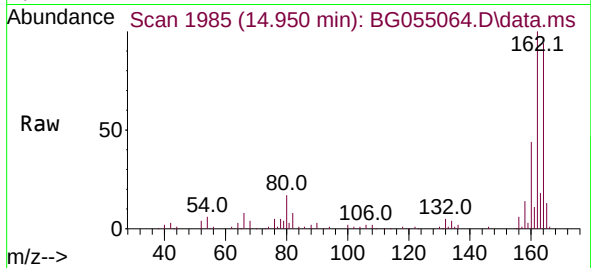




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

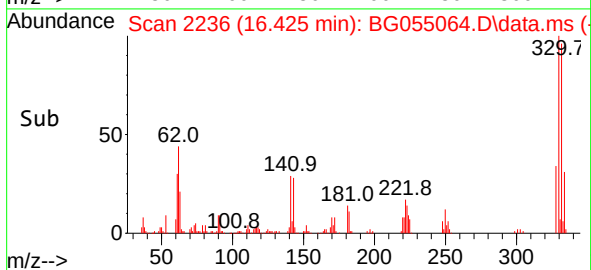
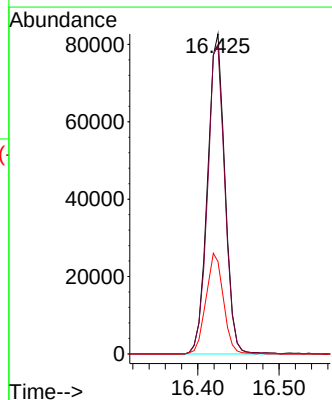
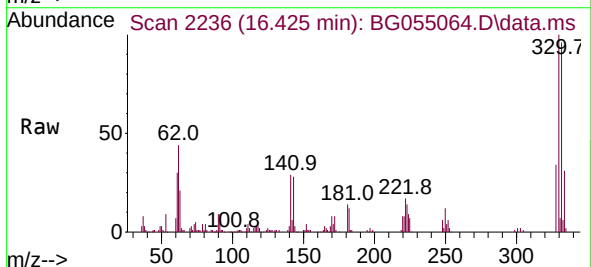
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

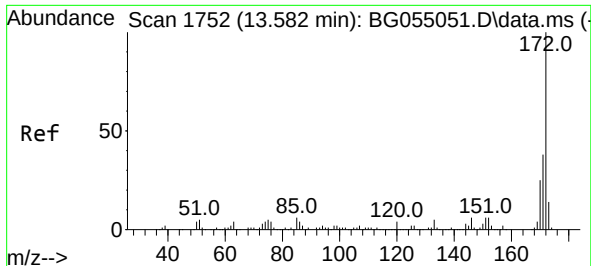
Tgt Ion:164 Resp: 93211
Ion Ratio Lower Upper
164 100
162 106.2 85.5 128.3
160 46.5 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 127.222 ng
RT: 16.425 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:330 Resp: 123093
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.5 25.0 37.4

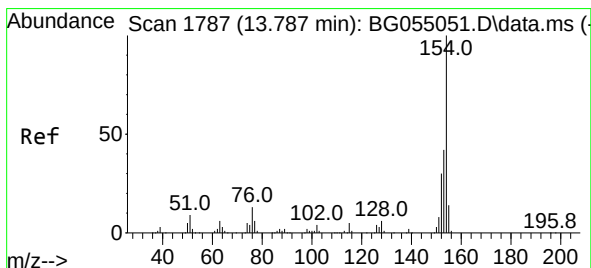
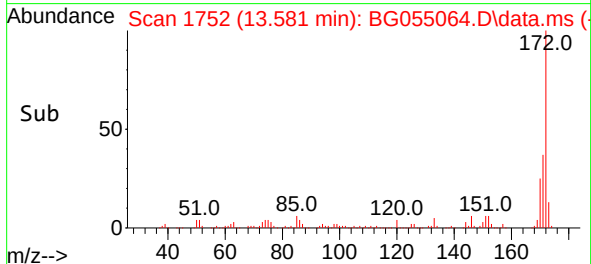
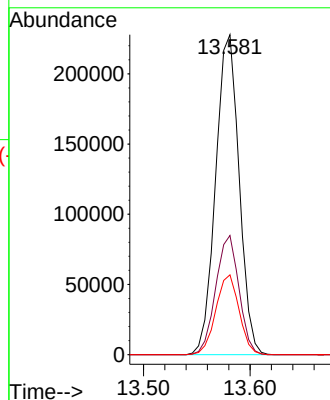
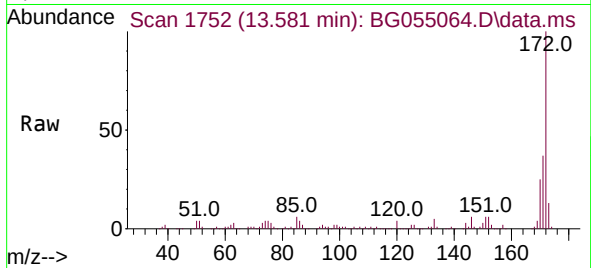




#45
2-Fluorobiphenyl
Concen: 58.521 ng
RT: 13.581 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

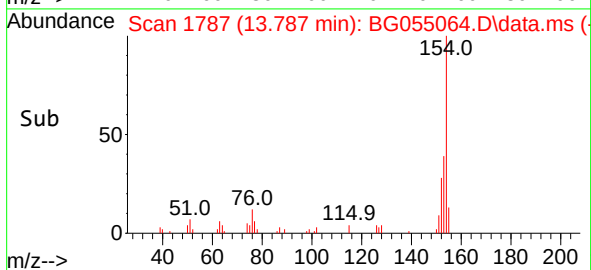
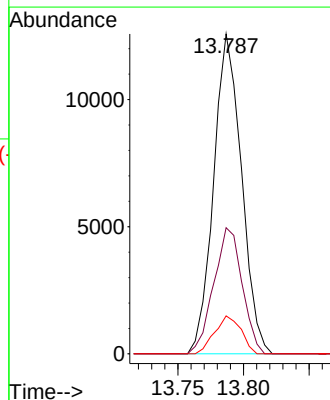
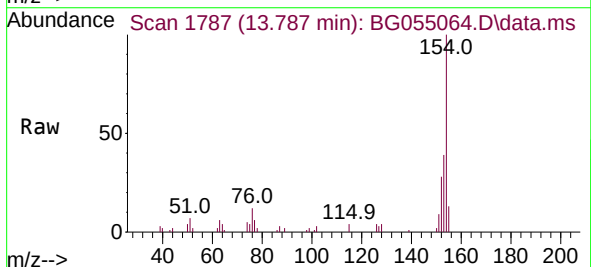
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BNA_G
ClientSampleId :
SOIL-003-0930

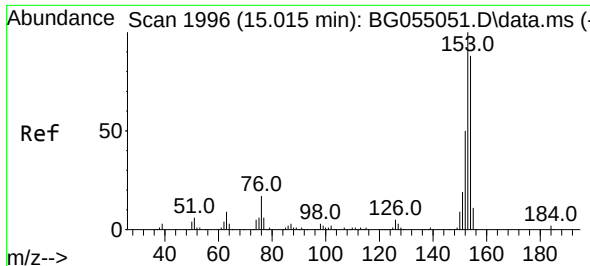
Tgt Ion:172 Resp: 349414
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 24.9 20.0 30.0



#46
1,1'-Biphenyl
Concen: 2.907 ng
RT: 13.787 min Scan# 1787
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:154 Resp: 18581
Ion Ratio Lower Upper
154 100
153 39.4 22.0 62.0
76 11.9 0.0 33.3

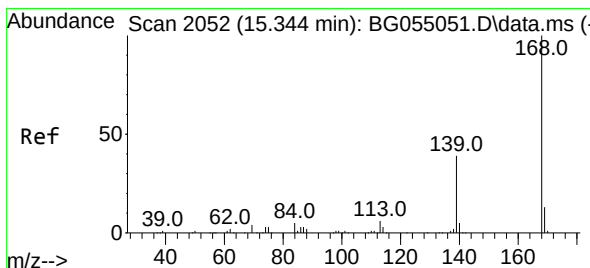
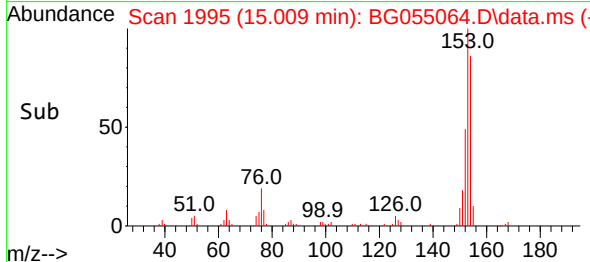
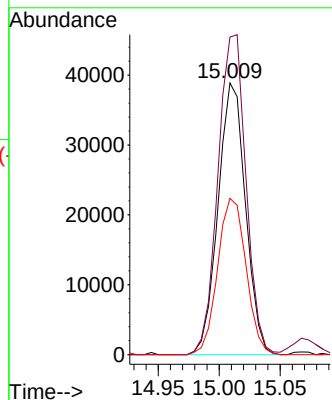
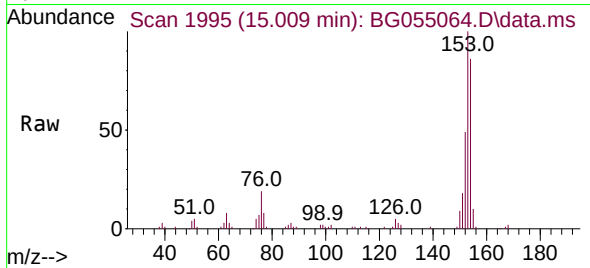




#52
Acenaphthene
Concen: 11.517 ng
RT: 15.009 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

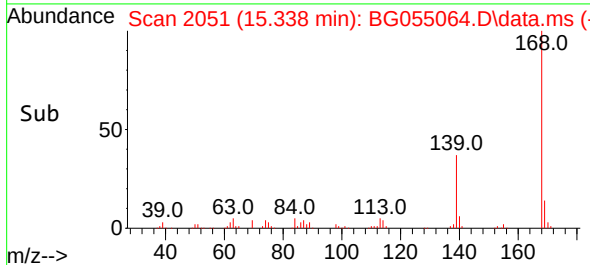
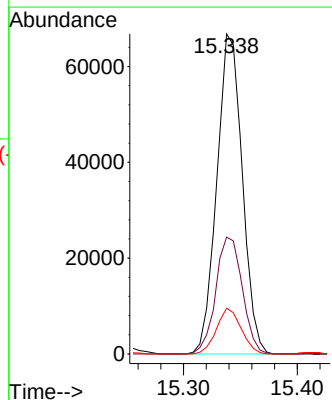
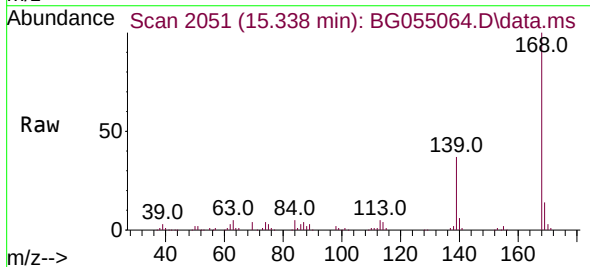
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

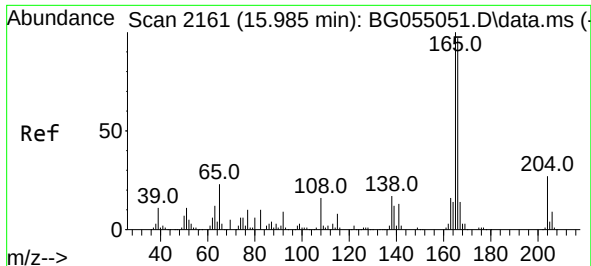
Tgt Ion:154	Resp:	60984	
Ion Ratio	Lower	Upper	
154	100		
153	116.9	91.4	137.0
152	57.5	45.3	67.9



#55
Dibenzofuran
Concen: 12.301 ng
RT: 15.338 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:168	Resp:	103916	
Ion Ratio	Lower	Upper	
168	100		
139	36.5	31.0	46.4
169	14.3	10.6	16.0

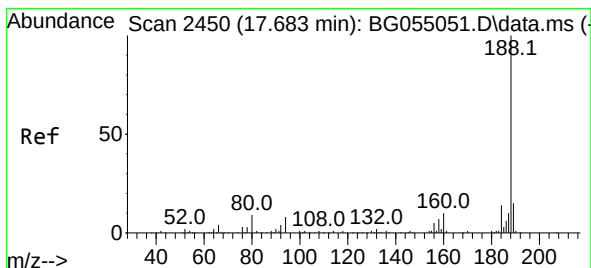
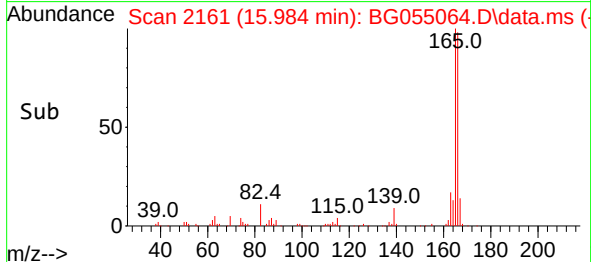
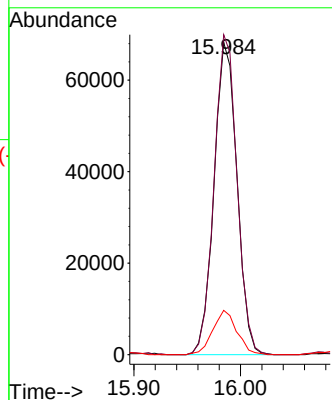
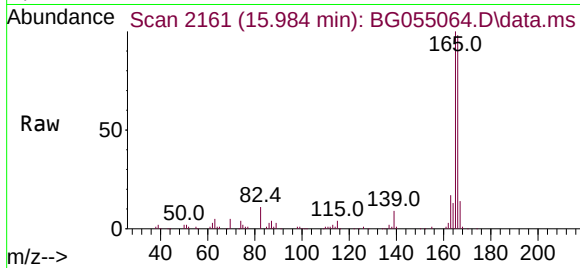




#58
 Fluorene
 Concen: 15.125 ng
 RT: 15.984 min Scan# 2161
 Delta R.T. -0.001 min
 Lab File: BG055064.D
 Acq: 4 Oct 2022 15:29

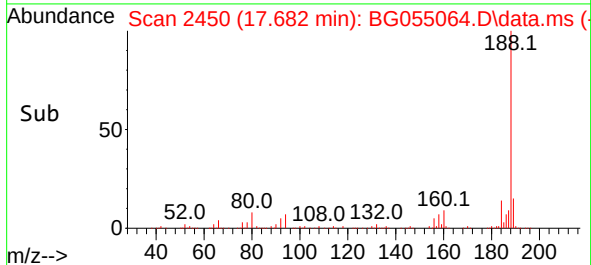
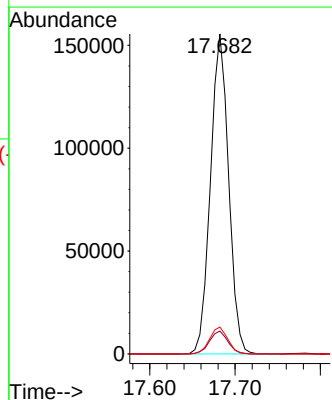
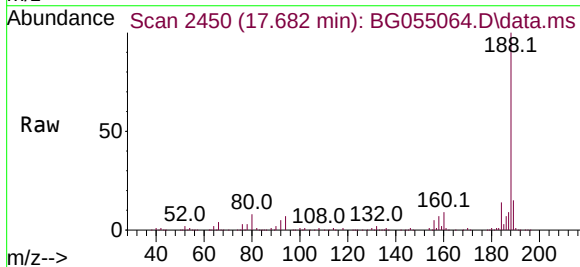
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-003-0930

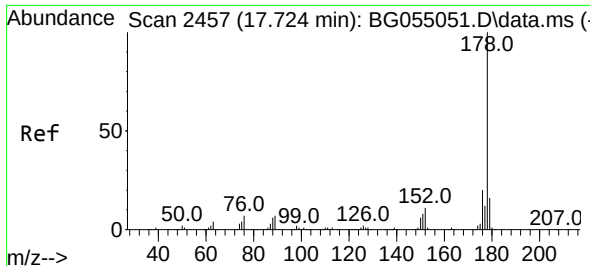
Tgt Ion:166 Resp: 102249
 Ion Ratio Lower Upper
 166 100
 165 102.5 82.6 123.8
 167 14.2 11.8 17.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.682 min Scan# 2450
 Delta R.T. -0.001 min
 Lab File: BG055064.D
 Acq: 4 Oct 2022 15:29

Tgt Ion:188 Resp: 229542
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.2 9.2
 80 8.4 7.2 10.8

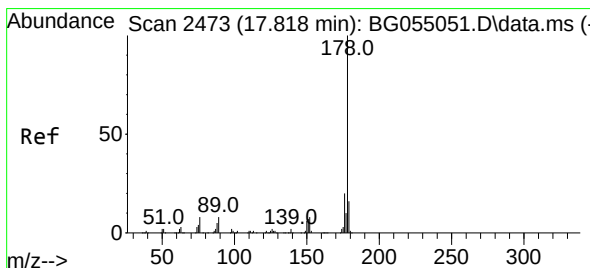
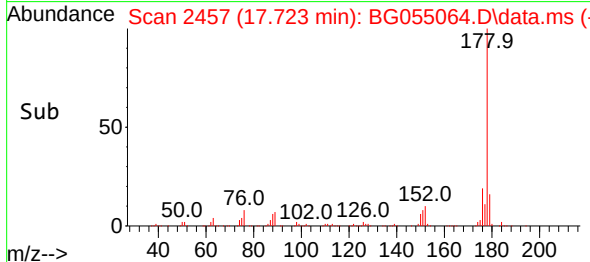
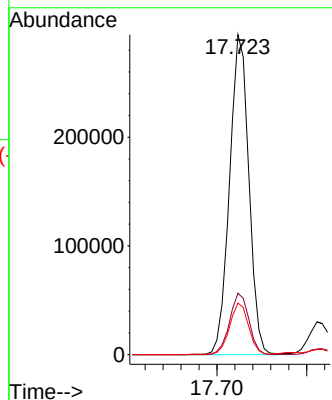
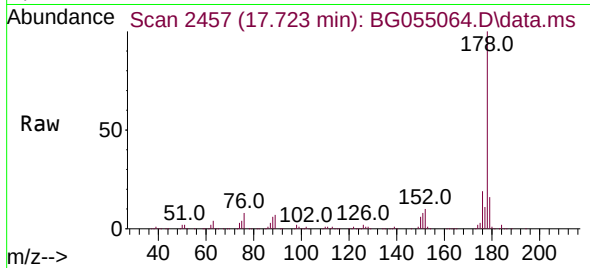




#71
Phenanthrene
Concen: 36.496 ng
RT: 17.723 min Scan# 2457
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

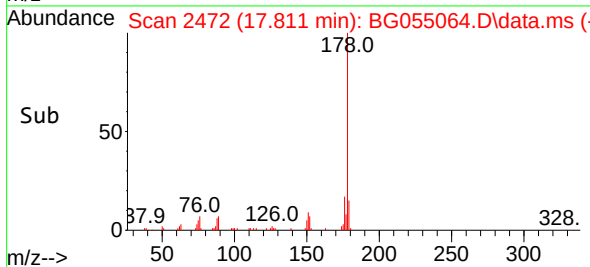
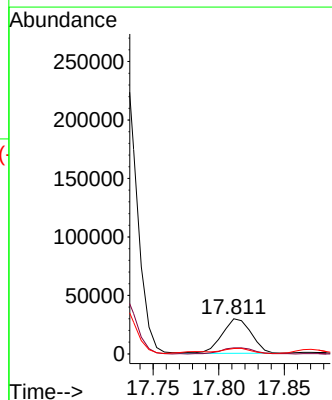
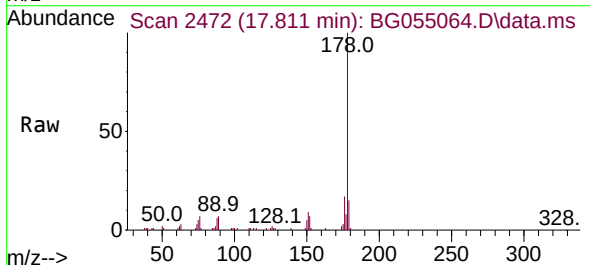
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

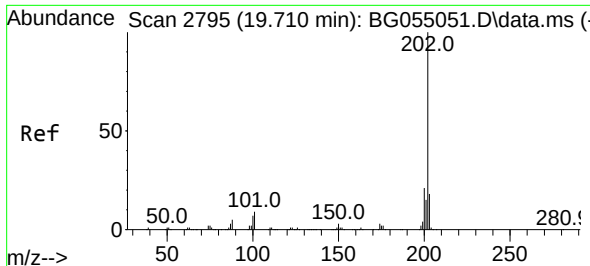
Tgt Ion:178 Resp: 440051
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 16.1 13.2 19.8



#72
Anthracene
Concen: 3.910 ng
RT: 17.811 min Scan# 2472
Delta R.T. -0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:178 Resp: 45854
Ion Ratio Lower Upper
178 100
176 17.1 15.7 23.5
179 15.3 12.5 18.7

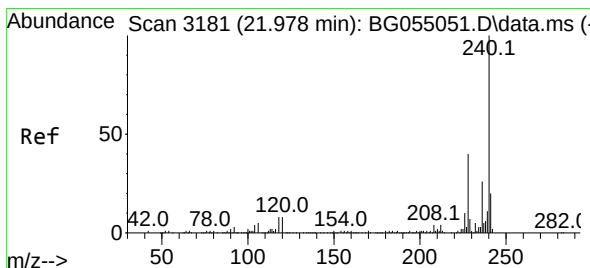
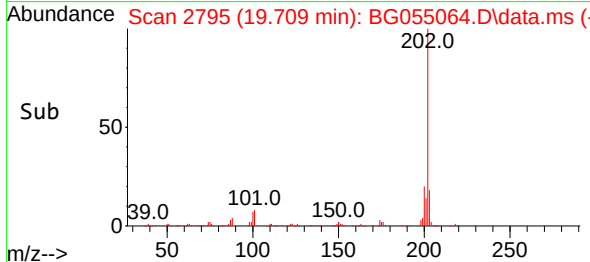
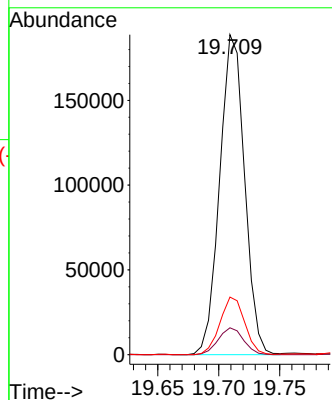
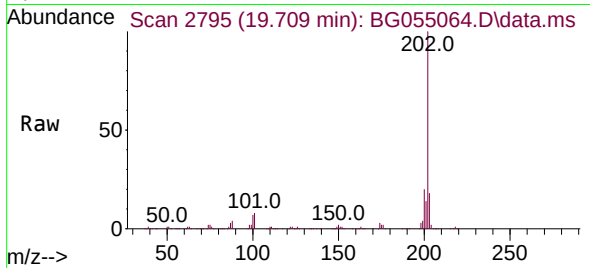




#75
Fluoranthene
Concen: 17.782 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

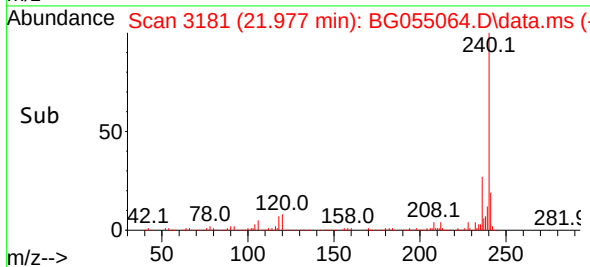
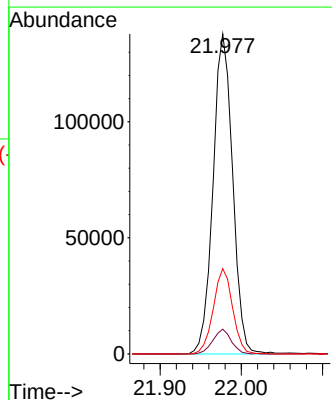
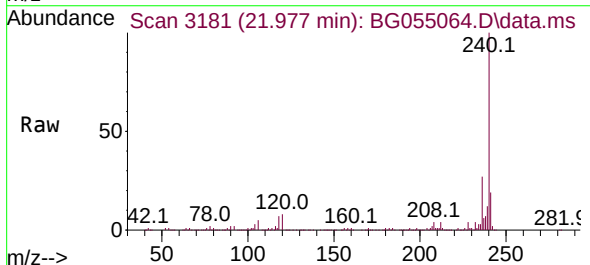
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

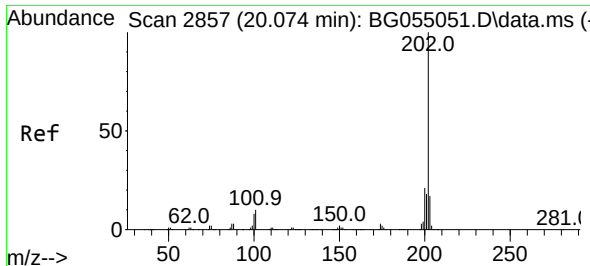
Tgt Ion:202 Resp: 267485
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.9
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:240 Resp: 230916
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 26.6 20.6 30.8

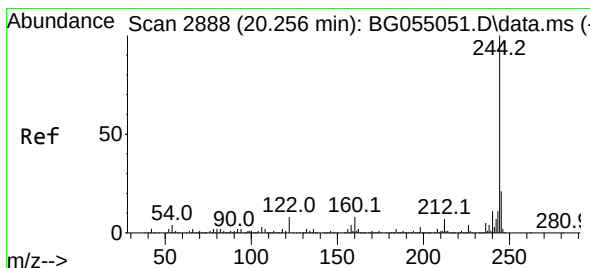
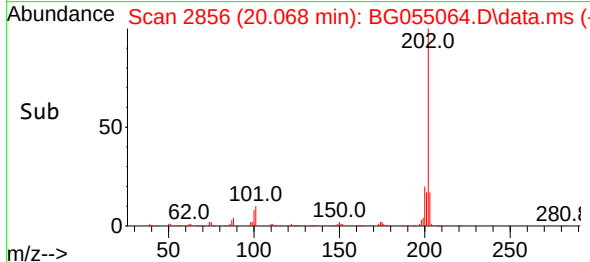
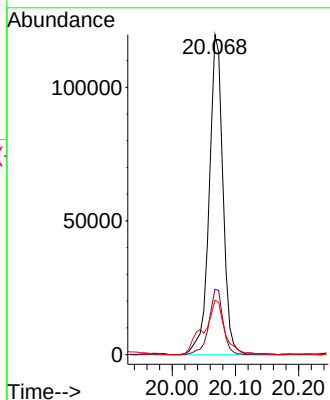
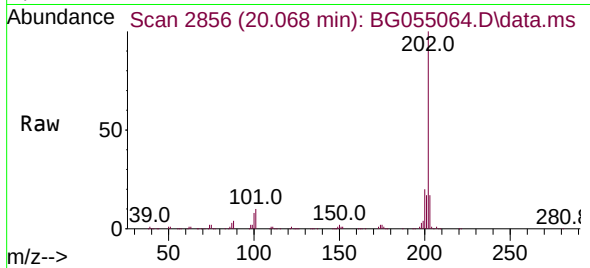




#78
 Pyrene
 Concen: 11.822 ng
 RT: 20.068 min Scan# 2857
 Delta R.T. -0.006 min
 Lab File: BG055064.D
 Acq: 4 Oct 2022 15:29

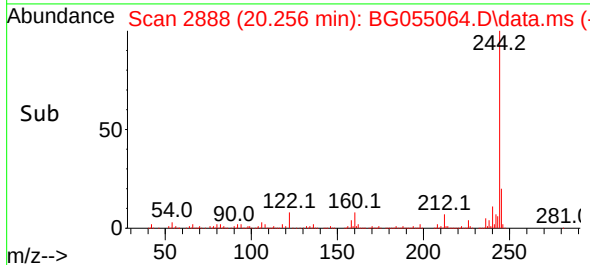
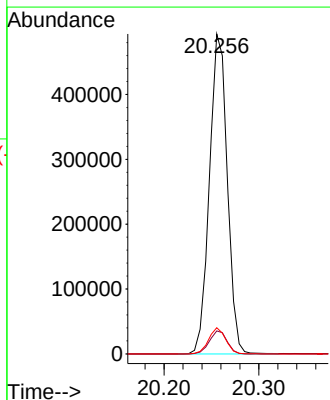
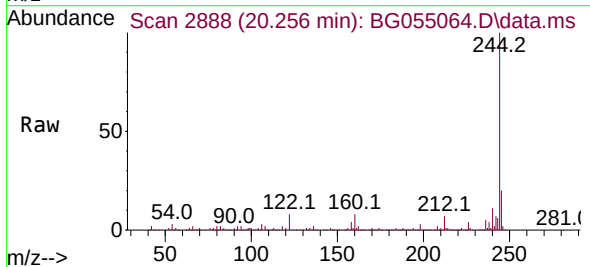
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-003-0930

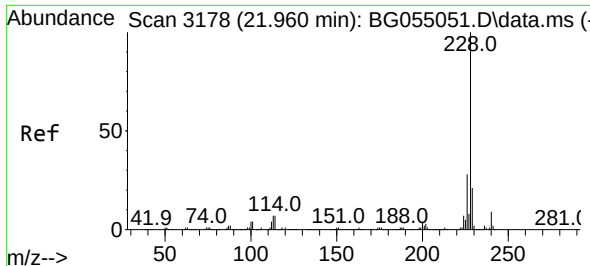
Tgt Ion:202	Resp:	181523
Ion Ratio	Lower	Upper
202	100	
200	20.4	16.6 25.0
203	17.0	14.0 21.0



#79
 Terphenyl-d14
 Concen: 56.532 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.000 min
 Lab File: BG055064.D
 Acq: 4 Oct 2022 15:29

Tgt Ion:244	Resp:	645868
Ion Ratio	Lower	Upper
244	100	
212	7.2	6.0 9.0
122	8.2	6.6 10.0

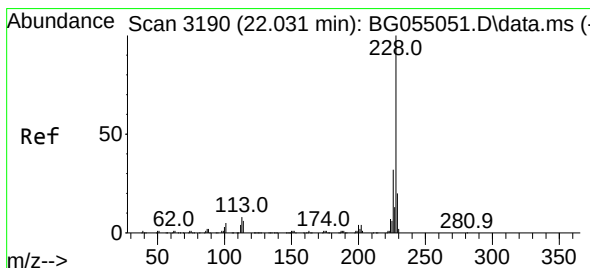
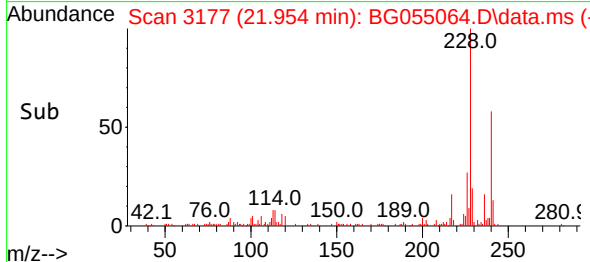
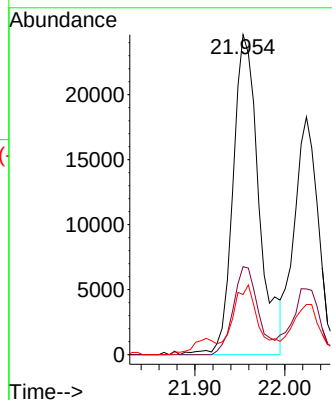
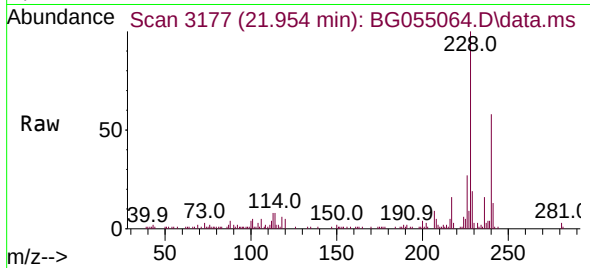




#81
Benzo(a)anthracene
Concen: 3.373 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

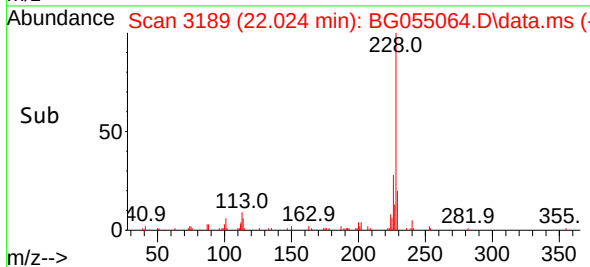
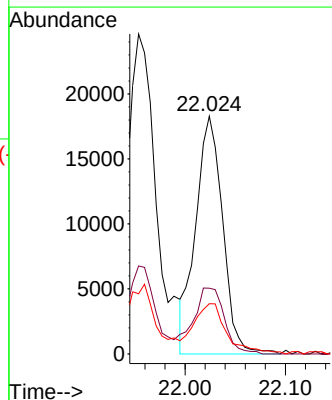
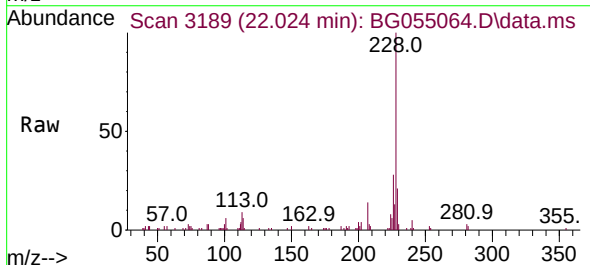
Instrument :
BNA_G
ClientSampleId :
SOIL-003-0930

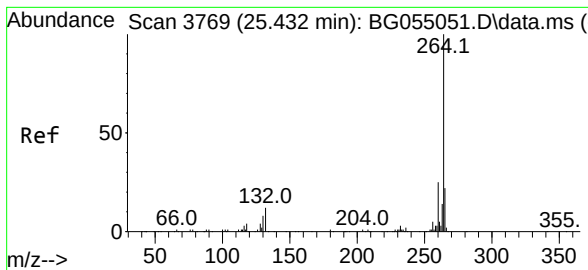
Tgt Ion:228 Resp: 49483
Ion Ratio Lower Upper
228 100
226 27.5 22.4 33.6
229 18.8 16.7 25.1



#83
Chrysene
Concen: 2.426 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG055064.D
Acq: 4 Oct 2022 15:29

Tgt Ion:228 Resp: 34305
Ion Ratio Lower Upper
228 100
226 27.6 25.3 37.9
229 21.1 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.438 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: BG055064.D
 Acq: 4 Oct 2022 15:29

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-003-0930

Tgt Ion:264	Resp:	246456
Ion Ratio	Lower	Upper
264	100	
260	23.1	19.7 29.5
265	21.0	17.8 26.6

