

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100522\
 Data File : BG055077.D
 Acq On : 5 Oct 2022 15:44
 Operator : CG/JU
 Sample : N4943-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

Quant Time: Oct 06 03:37:06 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)

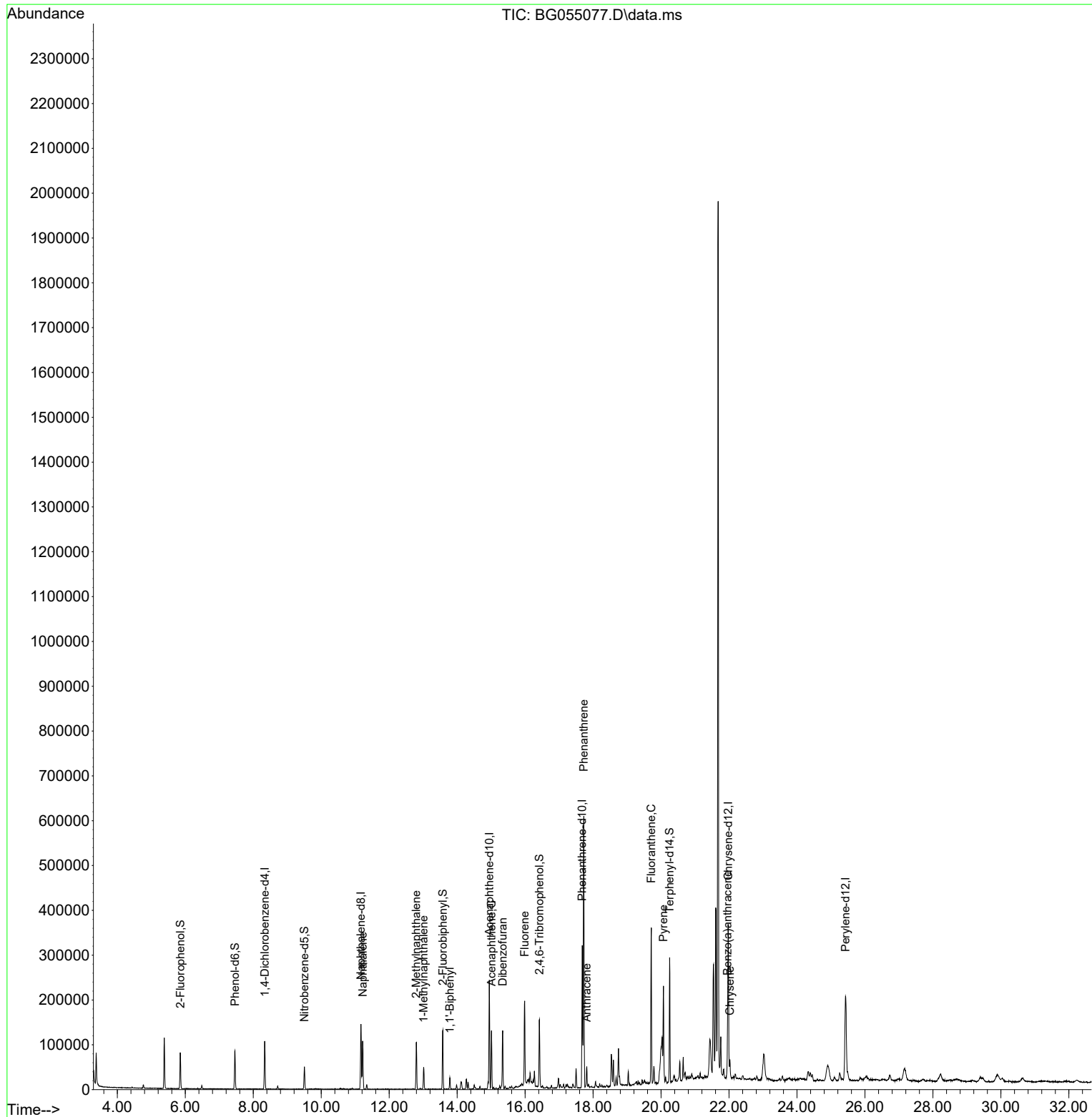
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	28700	20.000	ng	0.00
21) Naphthalene-d8	11.168	136	120279	20.000	ng	0.00
39) Acenaphthene-d10	14.946	164	85151	20.000	ng	0.00
64) Phenanthrene-d10	17.678	188	202700	20.000	ng	0.00
76) Chrysene-d12	21.973	240	206980	20.000	ng	0.00
86) Perylene-d12	25.428	264	220897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.851	112	33747	26.117	ng	0.00
7) Phenol-d6	7.461	99	45567	23.536	ng	0.00
23) Nitrobenzene-d5	9.505	82	27711	13.767	ng	0.00
42) 2,4,6-Tribromophenol	16.421	330	23682	31.763	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	68755	12.605	ng	0.00
79) Terphenyl-d14	20.251	244	133799	13.066	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	11.221	128	90885	14.317	ng	98
37) 2-Methylnaphthalene	12.796	142	48267	10.317	ng	96
38) 1-Methylnaphthalene	13.013	142	22407	4.924	ng	96
46) 1,1'-Biphenyl	13.783	154	13586	2.327	ng	97
52) Acenaphthene	15.011	154	46183	9.548	ng	97
55) Dibenzofuran	15.340	168	81699	10.586	ng	99
58) Fluorene	15.986	166	85337	13.818	ng	98
71) Phenanthrene	17.725	178	382696	35.942	ng	99
72) Anthracene	17.813	178	29177	2.817	ng	100
75) Fluoranthene	19.711	202	221407	16.668	ng	98
78) Pyrene	20.069	202	137988	10.026	ng	99
81) Benzo(a)anthracene	21.955	228	39724	3.021	ng	99
83) Chrysene	22.026	228	29751	2.348	ng	95

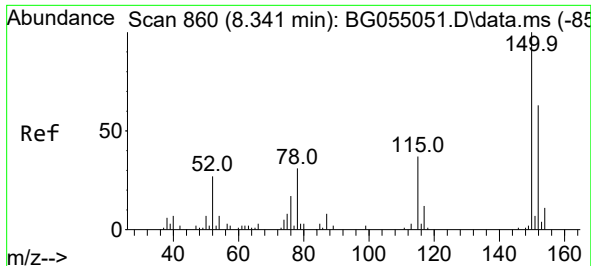
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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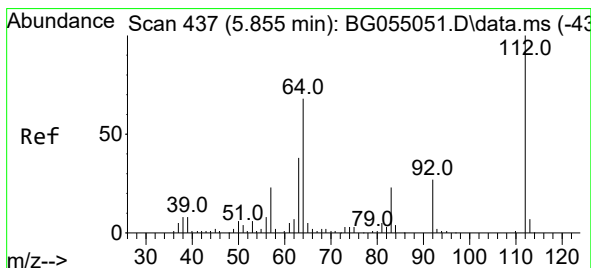
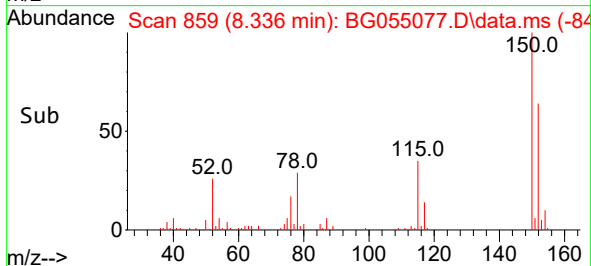
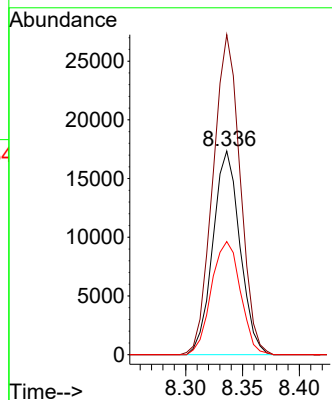
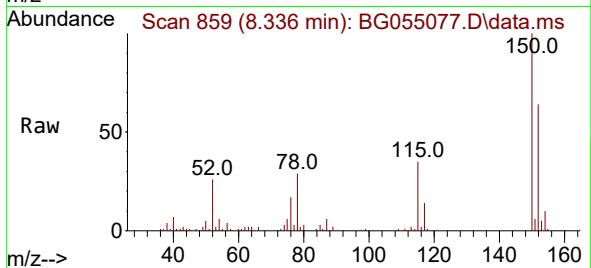




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

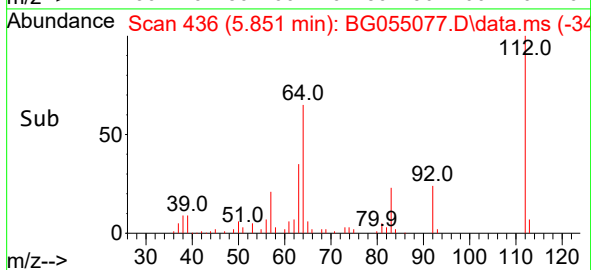
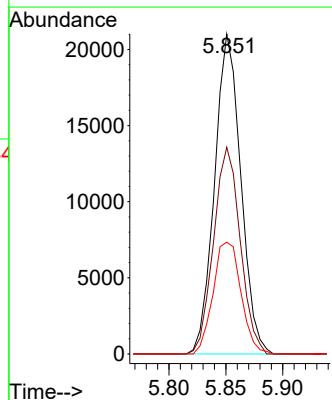
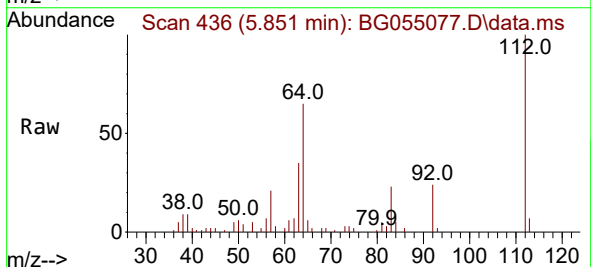
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

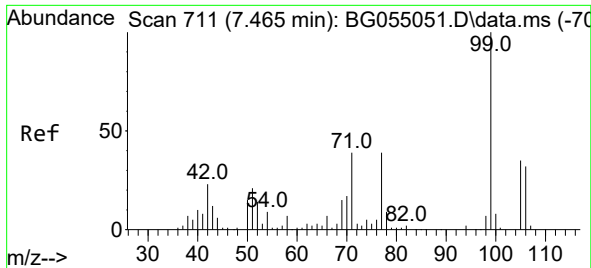
Tgt Ion:152 Resp: 28700
Ion Ratio Lower Upper
152 100
150 157.1 128.0 192.0
115 55.5 47.7 71.5



#5
2-Fluorophenol
Concen: 26.117 ng
RT: 5.851 min Scan# 436
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:112 Resp: 33747
Ion Ratio Lower Upper
112 100
64 64.6 54.5 81.7
63 34.9 30.5 45.7

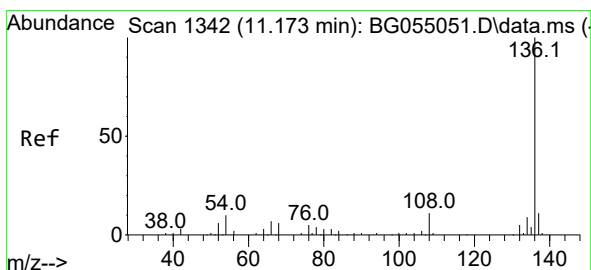
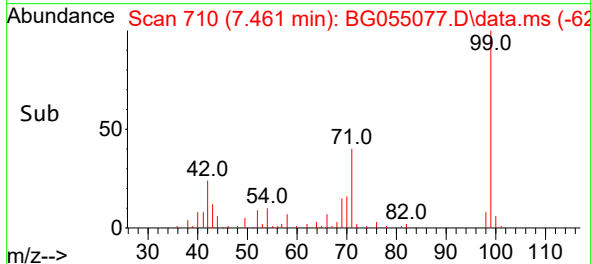
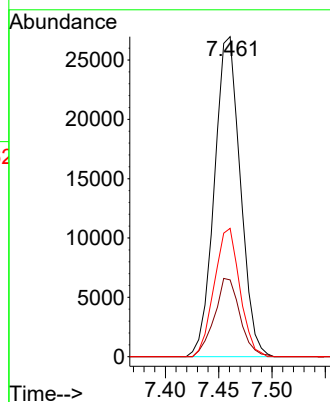
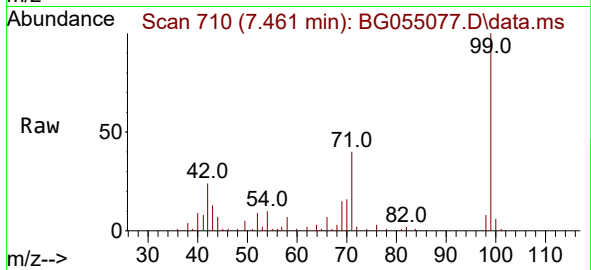




#7
Phenol-d6
Concen: 23.536 ng
RT: 7.461 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

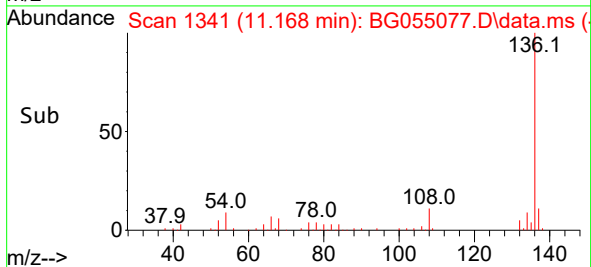
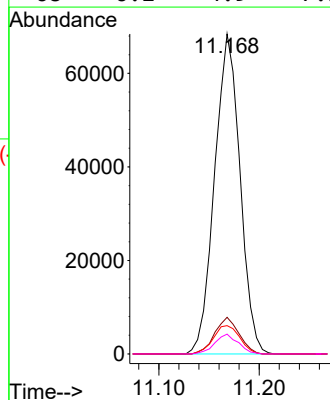
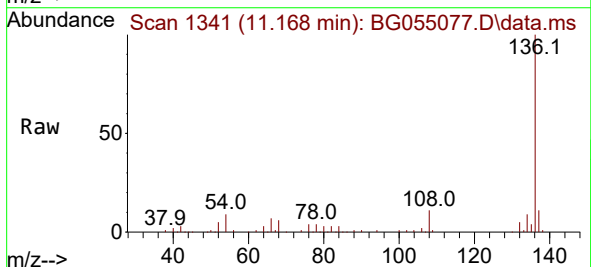
Instrument :
BNA_G
ClientSampleId :
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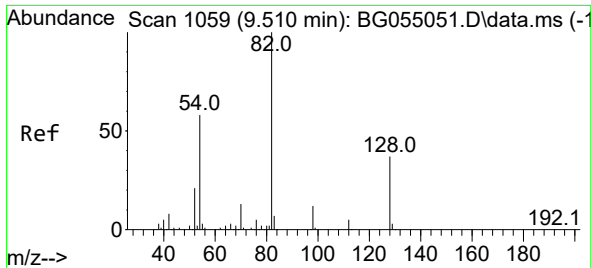
Tgt Ion: 99 Resp: 45567
Ion Ratio Lower Upper
99 100
42 24.0 18.6 28.0
71 40.1 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.168 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion: 136 Resp: 120279
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.9 8.2 12.4
68 6.2 4.9 7.3

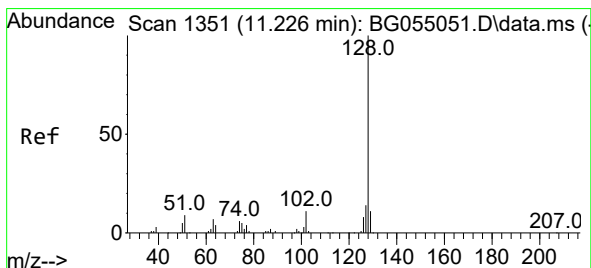
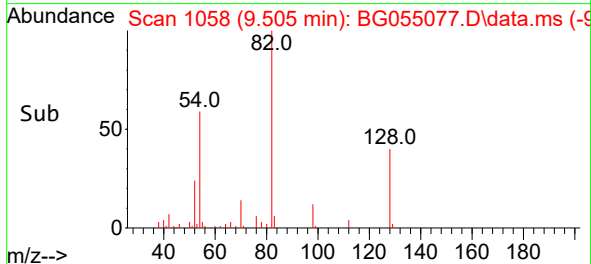
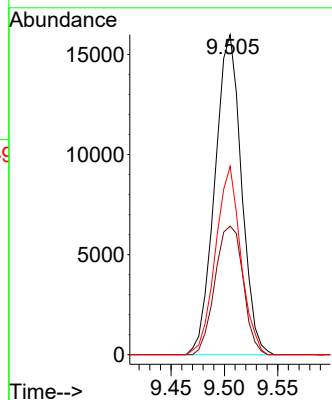
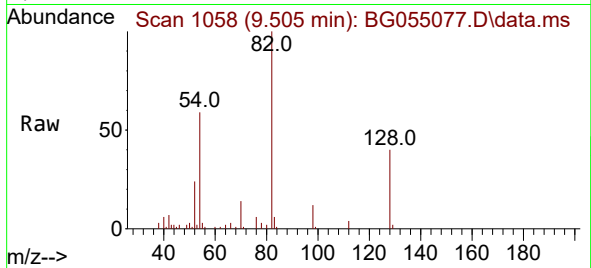




#23
Nitrobenzene-d5
Concen: 13.767 ng
RT: 9.505 min Scan# 1058
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

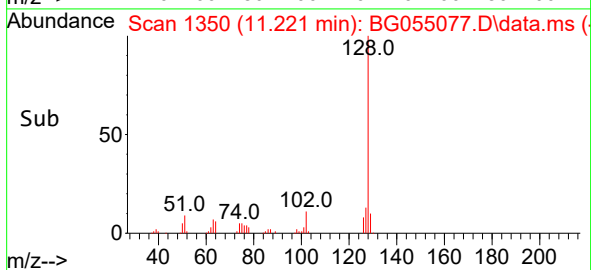
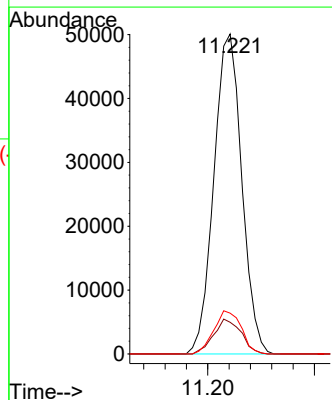
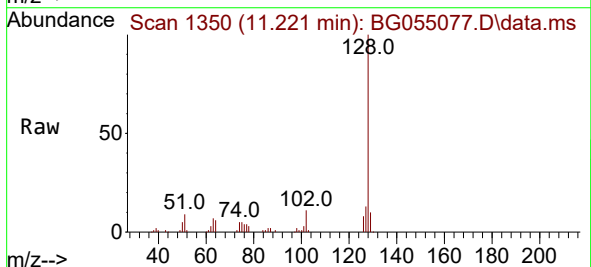
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

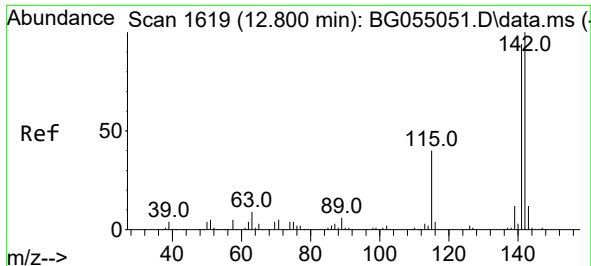
Tgt Ion: 82 Resp: 27711
Ion Ratio Lower Upper
82 100
128 40.2 29.5 44.3
54 58.9 46.7 70.1



#31
Naphthalene
Concen: 14.317 ng
RT: 11.221 min Scan# 1350
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion: 128 Resp: 90885
Ion Ratio Lower Upper
128 100
129 9.9 8.7 13.1
127 12.8 10.9 16.3

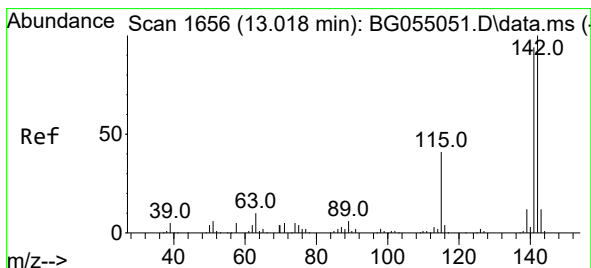
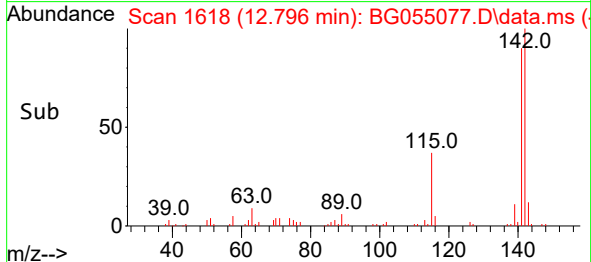
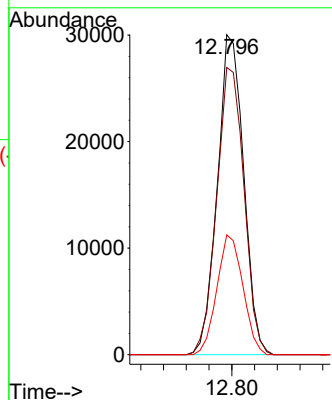
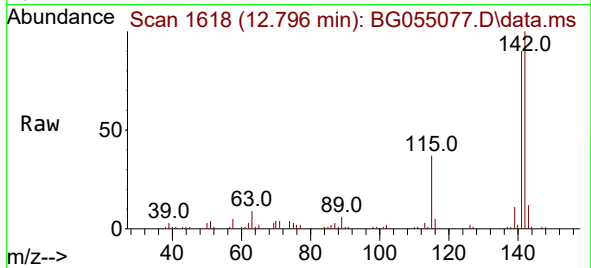




#37
2-Methylnaphthalene
Concen: 10.317 ng
RT: 12.796 min Scan# 1618
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

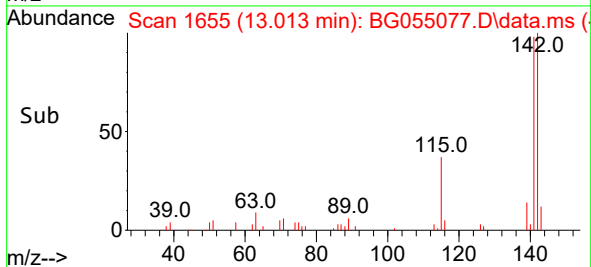
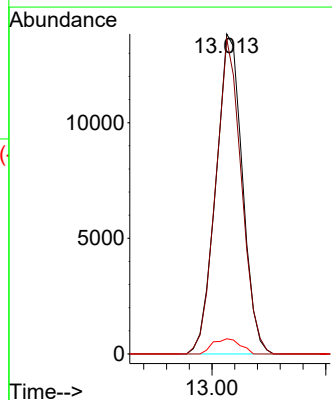
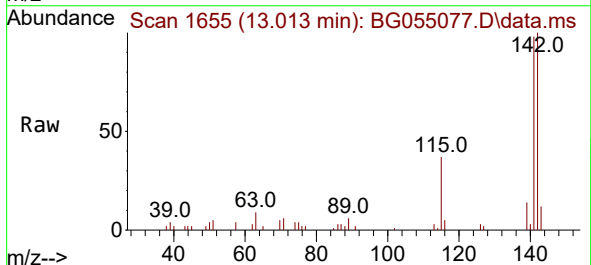
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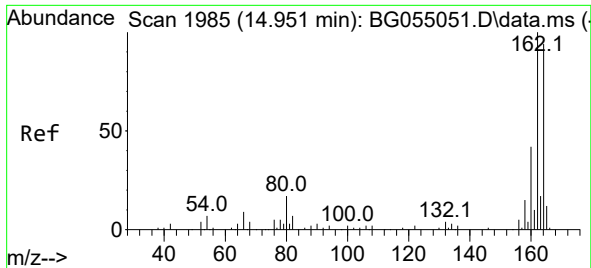
Tgt Ion:142 Resp: 48267
Ion Ratio Lower Upper
142 100
141 89.7 75.0 112.4
115 37.5 31.7 47.5



#38
1-Methylnaphthalene
Concen: 4.924 ng
RT: 13.013 min Scan# 1655
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:142 Resp: 22407
Ion Ratio Lower Upper
142 100
141 98.4 75.5 113.3
116 4.8 3.4 5.2

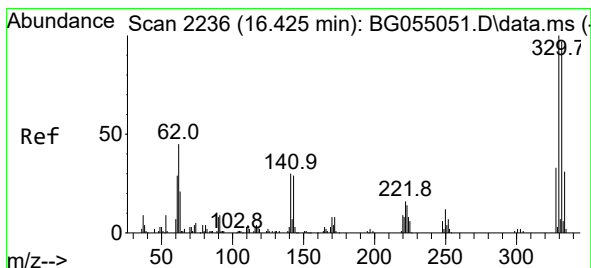
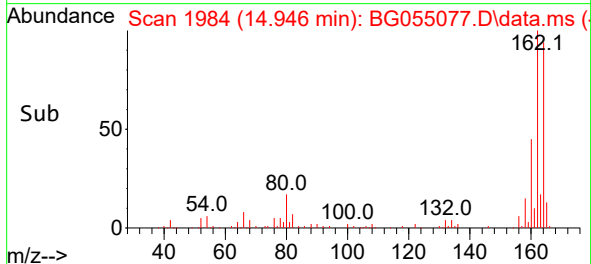
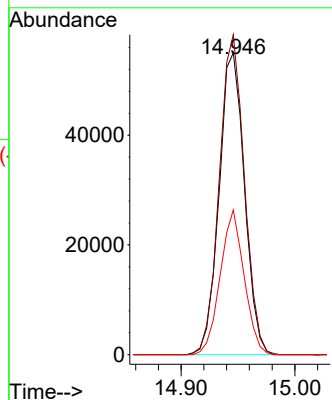
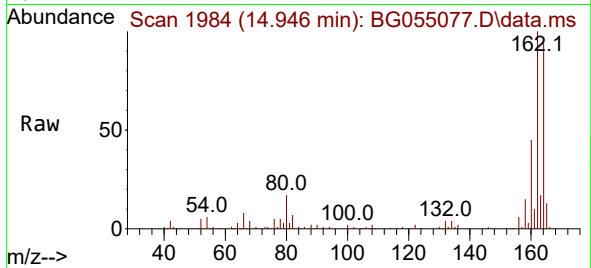




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.946 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

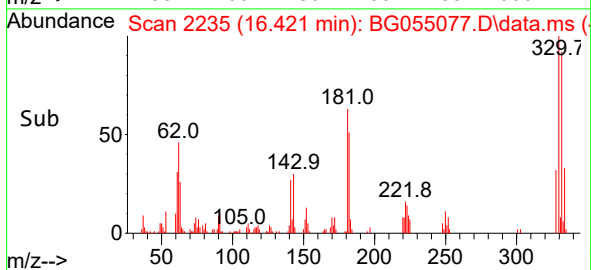
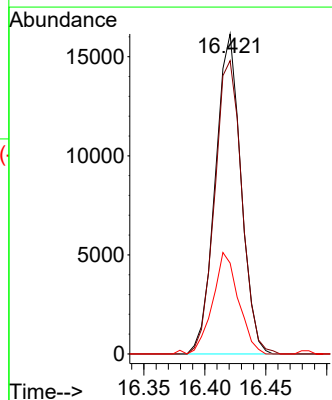
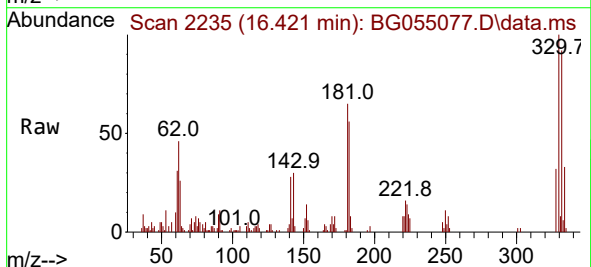
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ClientSampleId :
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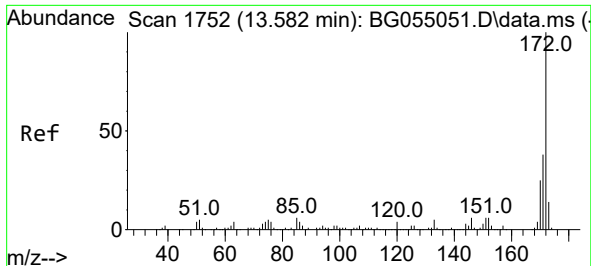
Tgt Ion:164 Resp: 85151
Ion Ratio Lower Upper
164 100
162 106.0 85.5 128.3
160 47.9 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 31.763 ng
RT: 16.421 min Scan# 2235
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:330 Resp: 23682
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 32.1 25.0 37.4

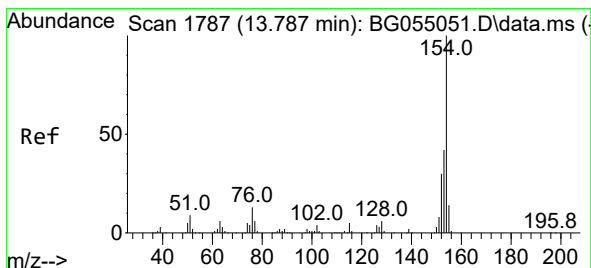
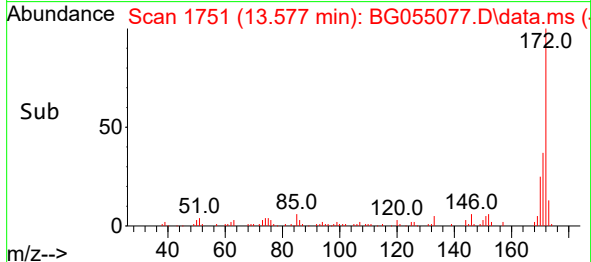
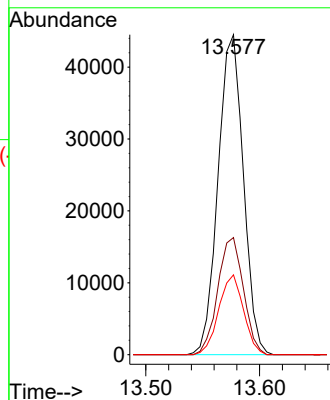
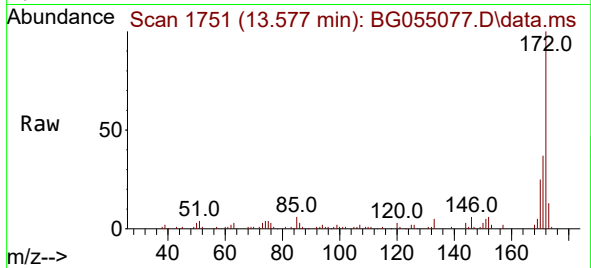




#45
2-Fluorobiphenyl
Concen: 12.605 ng
RT: 13.577 min Scan# 1751
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

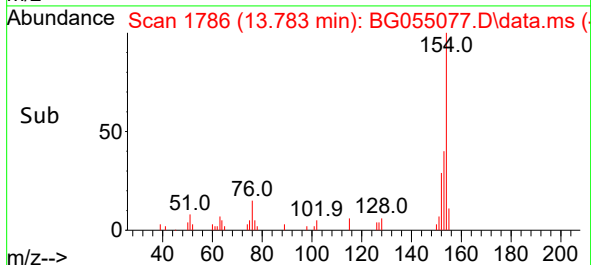
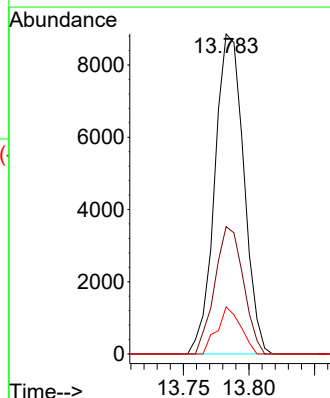
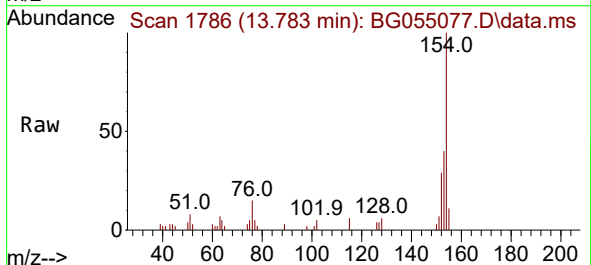
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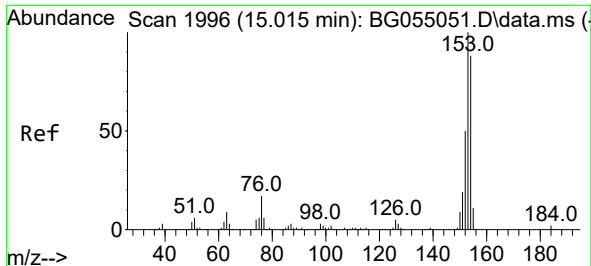
Tgt Ion:172 Resp: 68755
Ion Ratio Lower Upper
172 100
171 36.6 30.1 45.1
170 25.0 20.0 30.0



#46
1,1'-Biphenyl
Concen: 2.327 ng
RT: 13.783 min Scan# 1786
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:154 Resp: 13586
Ion Ratio Lower Upper
154 100
153 39.8 22.0 62.0
76 14.7 0.0 33.3

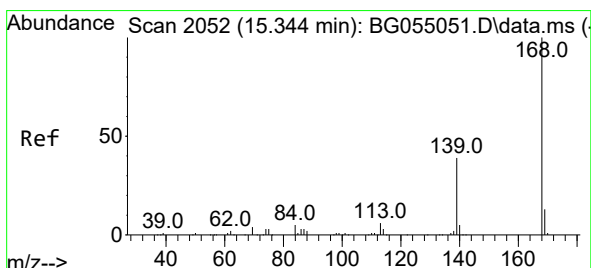
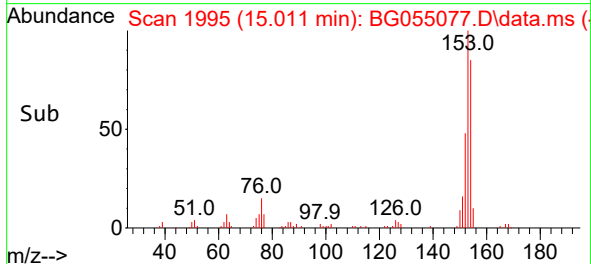
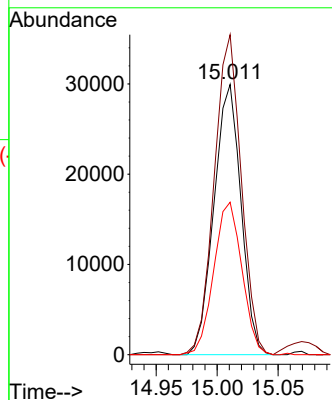
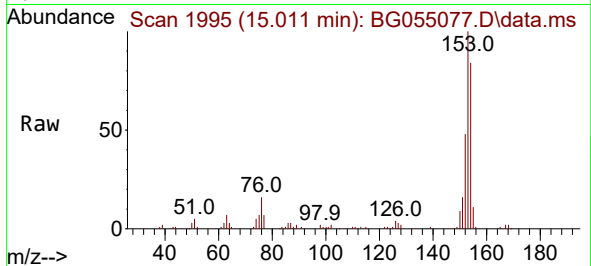




#52
Acenaphthene
Concen: 9.548 ng
RT: 15.011 min Scan# 1996
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

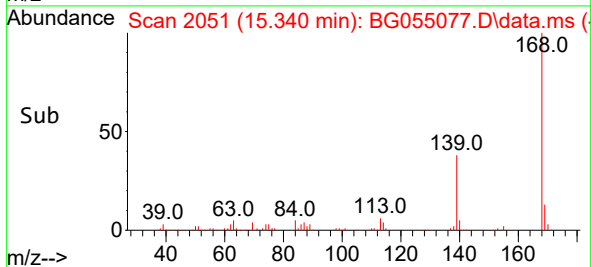
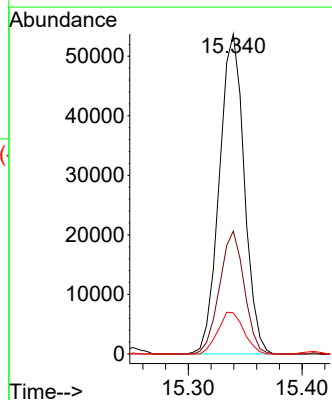
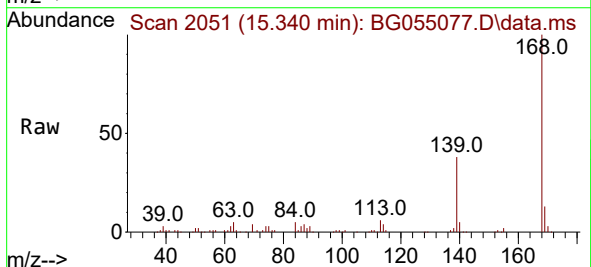
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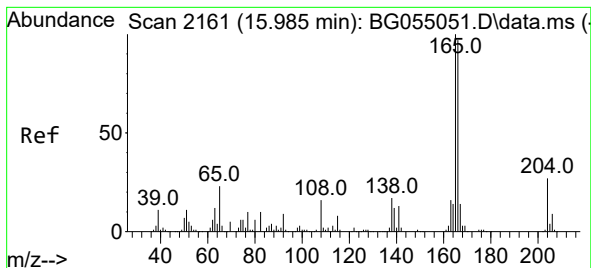
Tgt Ion:154 Resp: 46183
Ion Ratio Lower Upper
154 100
153 118.4 91.4 137.0
152 56.5 45.3 67.9



#55
Dibenzofuran
Concen: 10.586 ng
RT: 15.340 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:168 Resp: 81699
Ion Ratio Lower Upper
168 100
139 38.4 31.0 46.4
169 12.9 10.6 16.0





#58

Fluorene

Concen: 13.818 ng

RT: 15.986 min Scan# 2161

Delta R.T. 0.001 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930DL

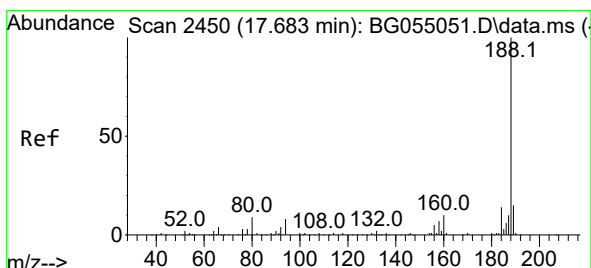
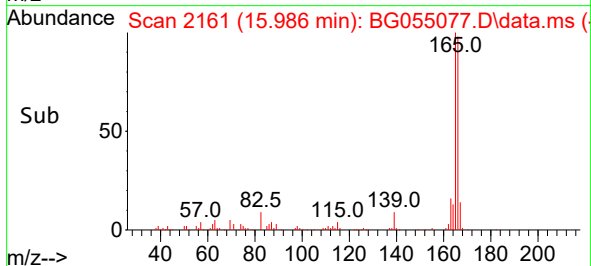
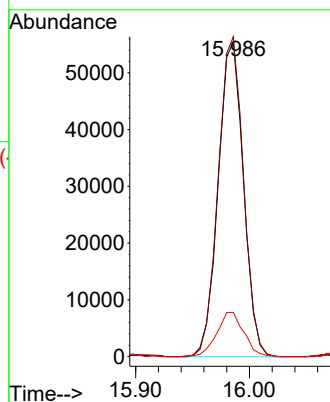
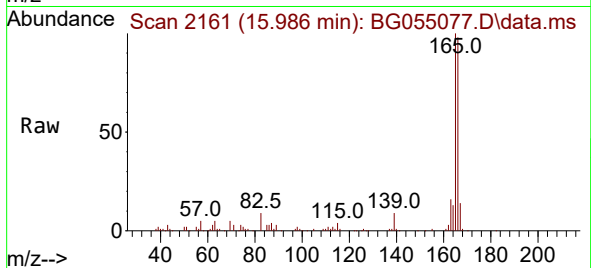
Tgt Ion:166 Resp: 85337

Ion Ratio Lower Upper

166 100

165 101.6 82.6 123.8

167 14.1 11.8 17.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.678 min Scan# 2449

Delta R.T. -0.005 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

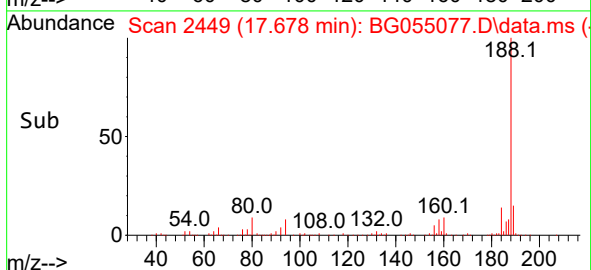
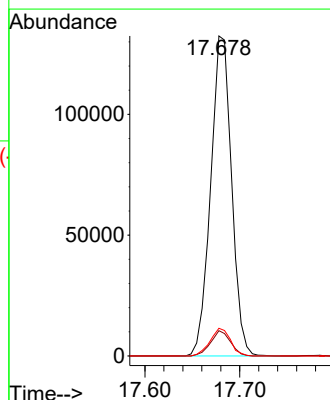
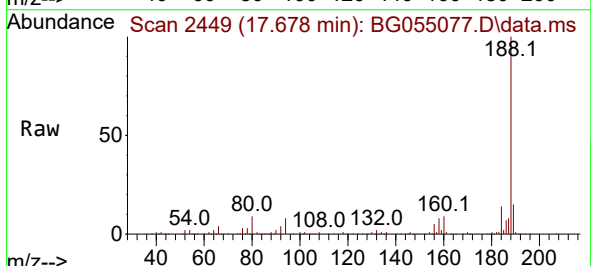
Tgt Ion:188 Resp: 202700

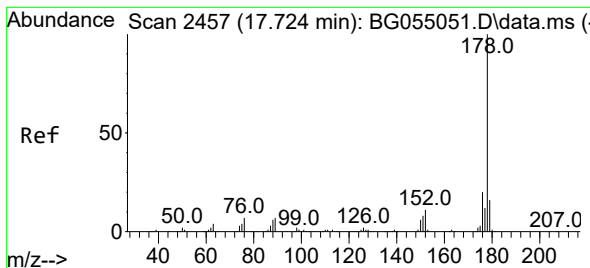
Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 8.7 7.2 10.8





#71

Phenanthrene

Concen: 35.942 ng

RT: 17.725 min Scan# 2457

Delta R.T. 0.001 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930DL

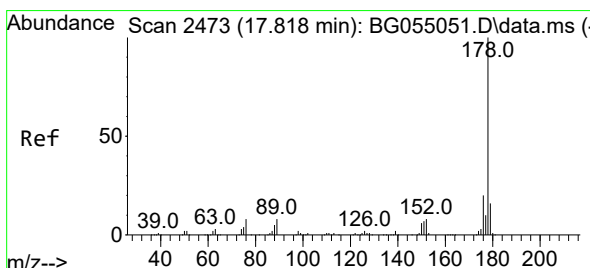
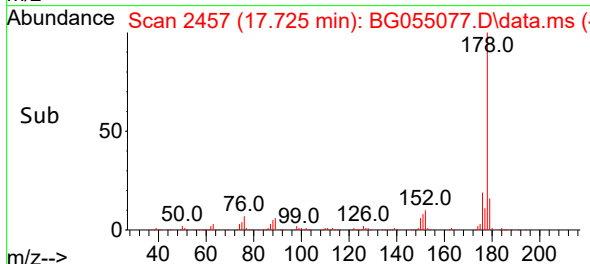
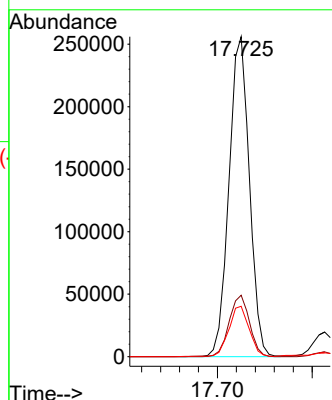
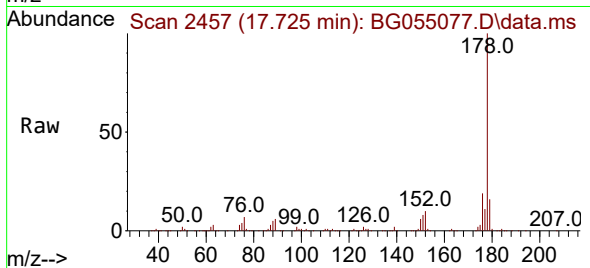
Tgt Ion:178 Resp: 382696

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 15.7 13.2 19.8



#72

Anthracene

Concen: 2.817 ng

RT: 17.813 min Scan# 2472

Delta R.T. -0.005 min

Lab File: BG055077.D

Acq: 5 Oct 2022 15:44

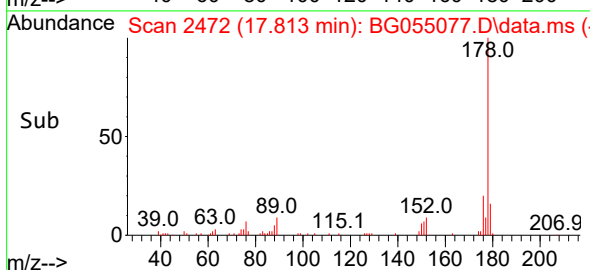
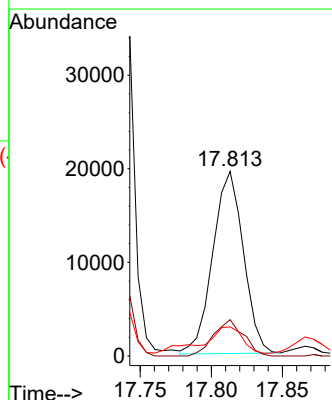
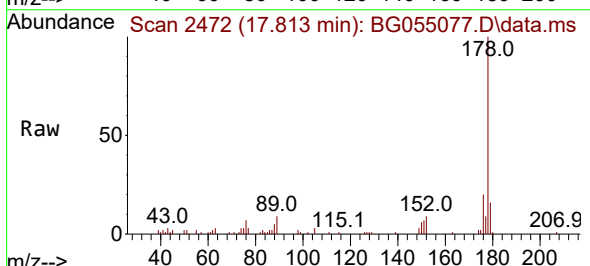
Tgt Ion:178 Resp: 29177

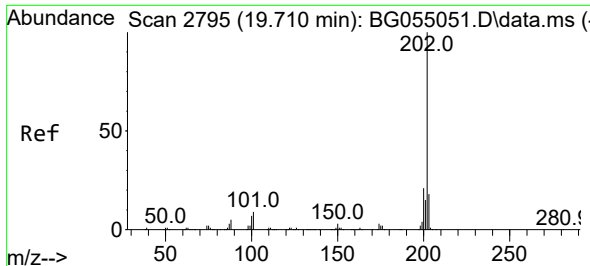
Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.7 12.5 18.7

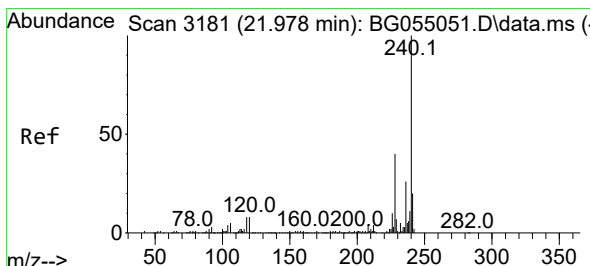
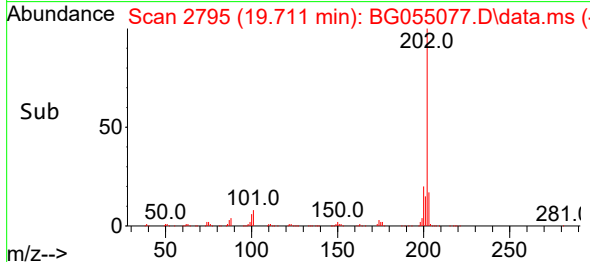
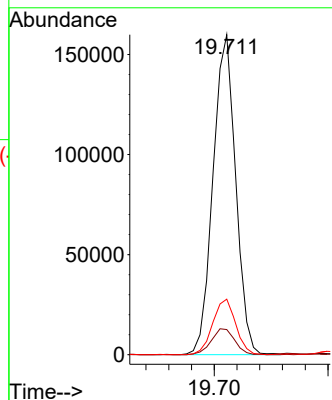
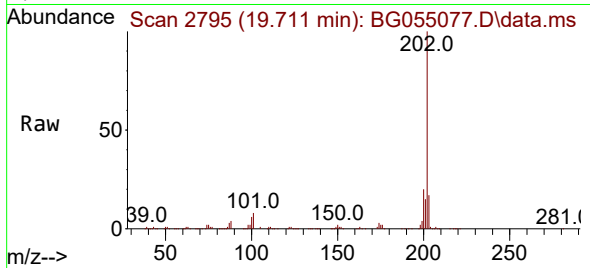




#75
Fluoranthene
Concen: 16.668 ng
RT: 19.711 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

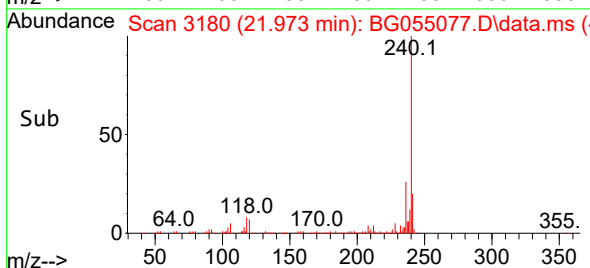
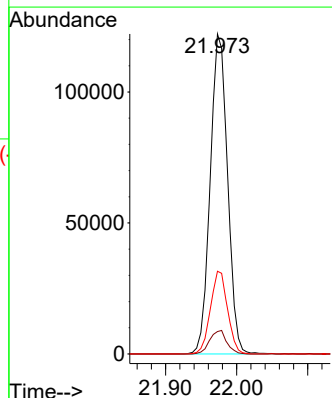
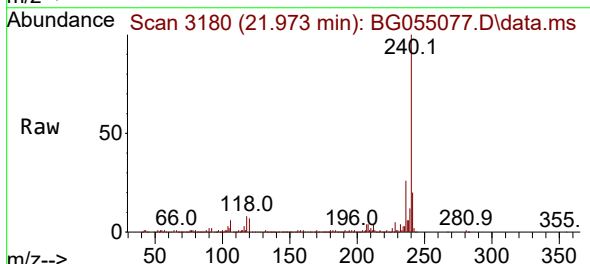
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

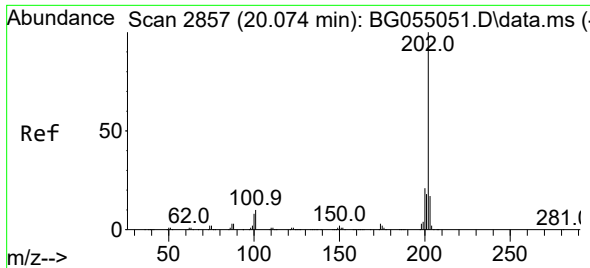
Tgt Ion:202 Resp: 221407
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.9
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.973 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Tgt Ion:240 Resp: 206980
Ion Ratio Lower Upper
240 100
120 7.0 6.2 9.4
236 25.9 20.6 30.8

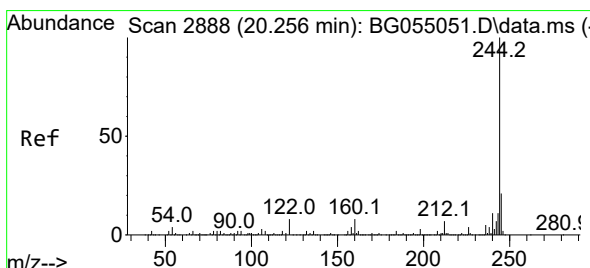
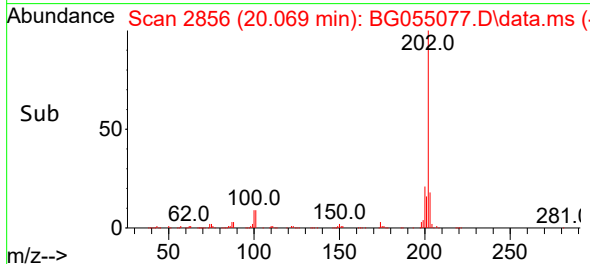
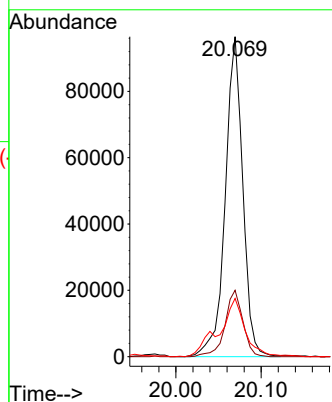
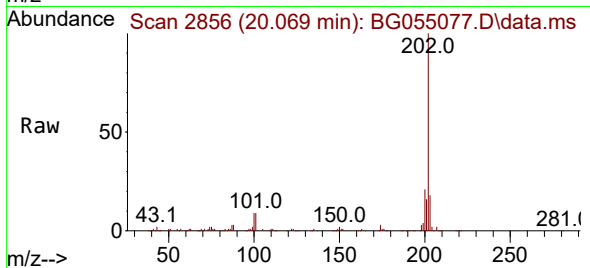




#78
 Pyrene
 Concen: 10.026 ng
 RT: 20.069 min Scan# 2856
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

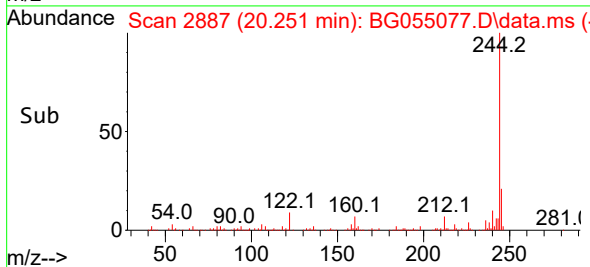
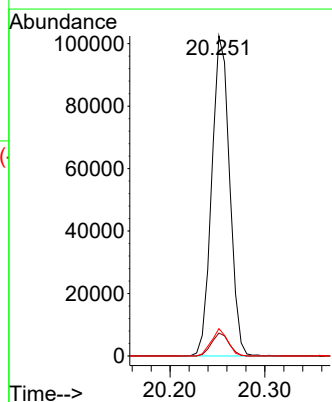
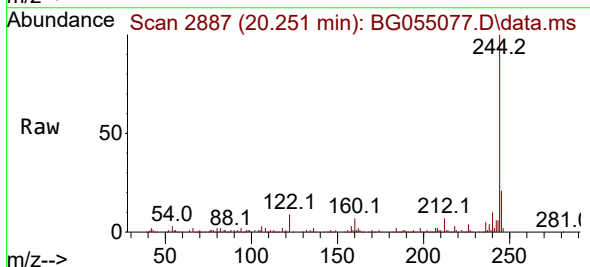
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930DL

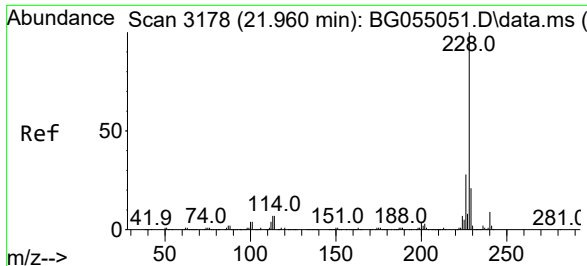
Tgt Ion:202 Resp: 137988
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 18.2 14.0 21.0



#79
 Terphenyl-d14
 Concen: 13.066 ng
 RT: 20.251 min Scan# 2887
 Delta R.T. -0.005 min
 Lab File: BG055077.D
 Acq: 5 Oct 2022 15:44

Tgt Ion:244 Resp: 133799
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.5 6.6 10.0

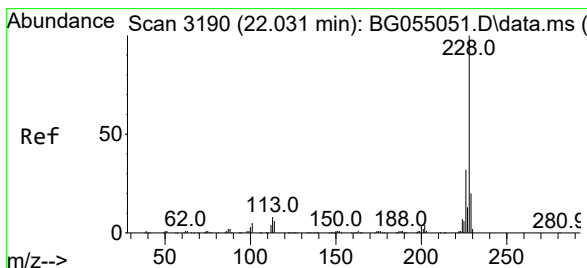
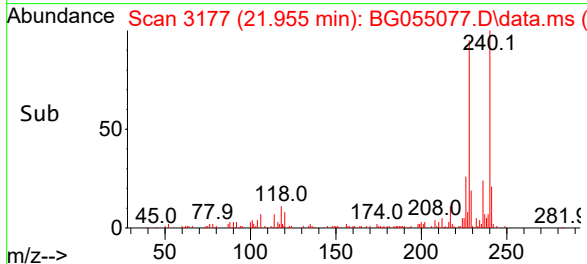
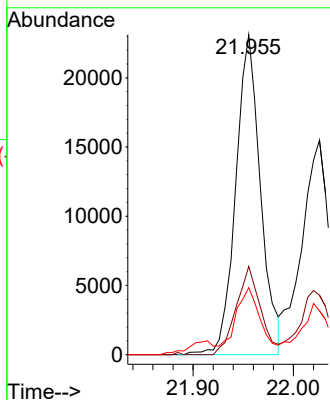
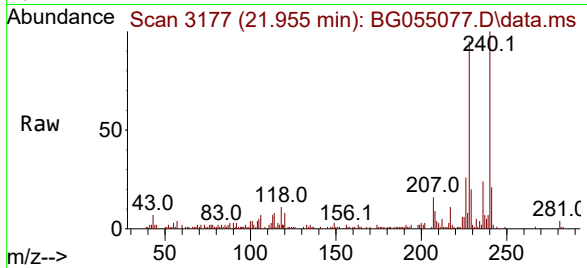




#81
Benzo(a)anthracene
Concen: 3.021 ng
RT: 21.955 min Scan# 3177
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

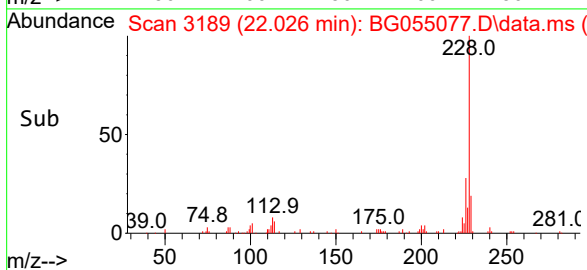
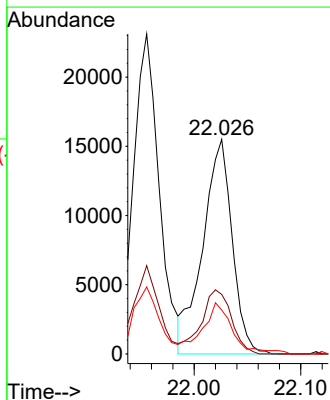
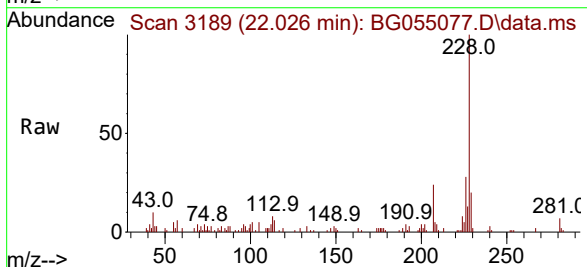
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL

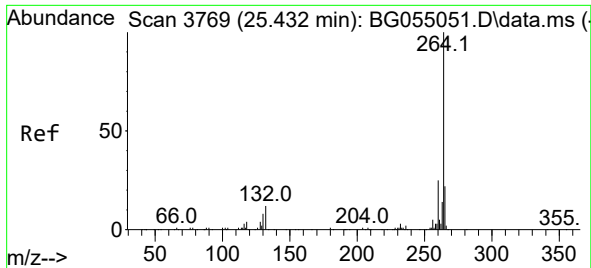
Tgt Ion:228 Resp: 39724
Ion Ratio Lower Upper
228 100
226 27.6 22.4 33.6
229 21.0 16.7 25.1



#83
Chrysene
Concen: 2.348 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

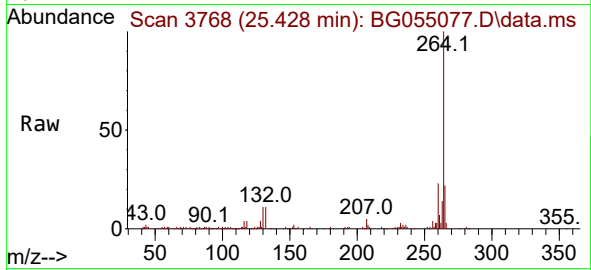
Tgt Ion:228 Resp: 29751
Ion Ratio Lower Upper
228 100
226 27.8 25.3 37.9
229 20.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.428 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG055077.D
Acq: 5 Oct 2022 15:44

Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930DL



Tgt Ion:264 Resp: 220897
Ion Ratio Lower Upper
264 100
260 22.9 19.7 29.5
265 22.2 17.8 26.6

