

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
 Data File : BG057409.D
 Acq On : 12 May 2023 14:41
 Operator : CG/JU
 Sample : 02724-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

Quant Time: May 12 22:20:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

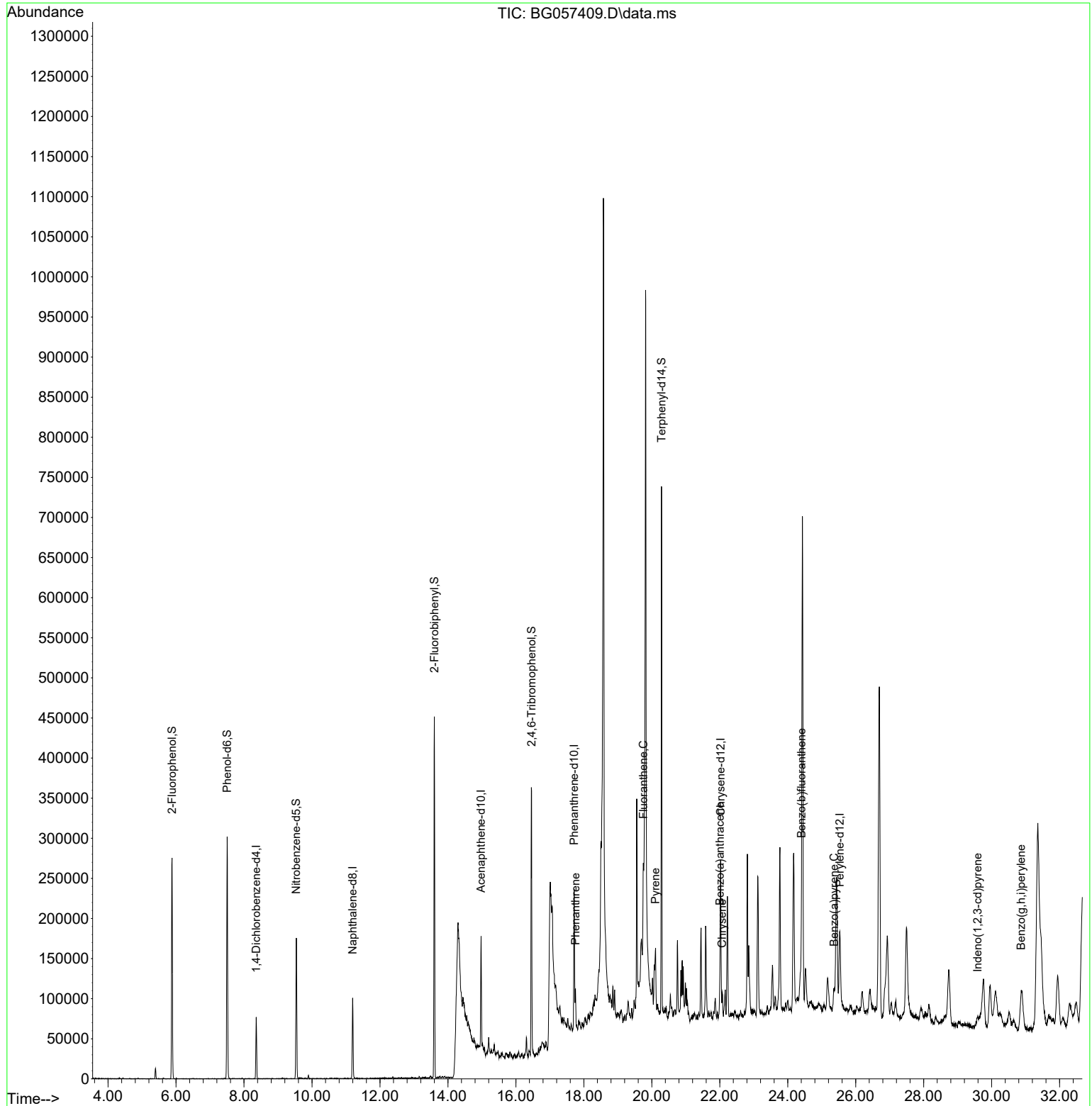
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	21213	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	83100	20.000	ng	0.00
39) Acenaphthene-d10	14.976	164	49999	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	114425	20.000	ng	0.00
76) Chrysene-d12	22.025	240	113038	20.000	ng	0.00
86) Perylene-d12	25.532	264	121479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.882	112	123029	99.210	ng	0.00
7) Phenol-d6	7.503	99	174790	92.820	ng	0.00
23) Nitrobenzene-d5	9.536	82	112624	56.882	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	70824	99.832	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	235286	63.378	ng	0.00
79) Terphenyl-d14	20.286	244	323289	46.673	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.754	178	14886	2.539	ng	94
75) Fluoranthene	19.752	202	45630	6.257	ng	97
78) Pyrene	20.110	202	41569	5.061	ng	100
81) Benzo(a)anthracene	22.007	228	24212	3.006	ng	96
83) Chrysene	22.072	228	25352	3.346	ng	95
87) Indeno(1,2,3-cd)pyrene	29.585	276	18267	2.063	ng	# 96
88) Benzo(b)fluoranthene	24.404	252	35889	4.519	ng	# 91
90) Benzo(a)pyrene	25.362	252	25609	3.301	ng	# 98
92) Benzo(g,h,i)perylene	30.866	276	18208	2.529	ng	# 95

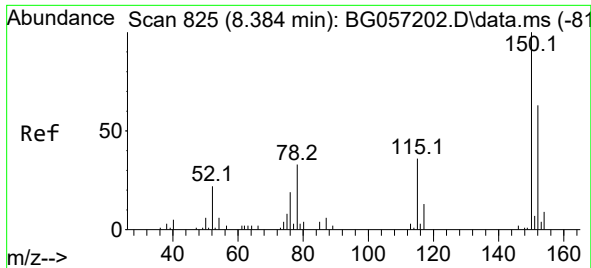
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
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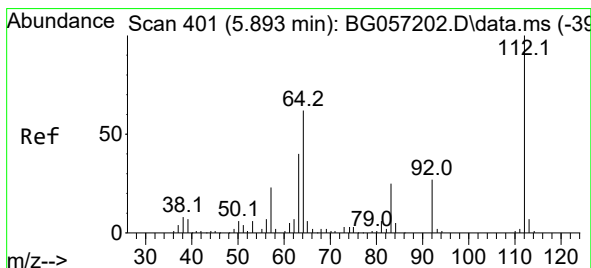
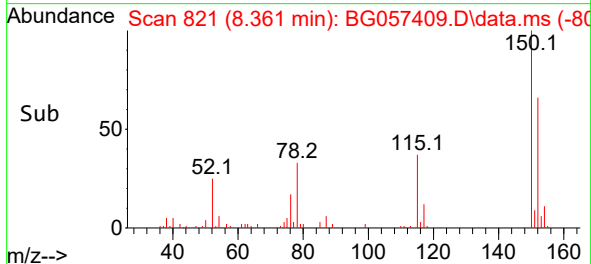
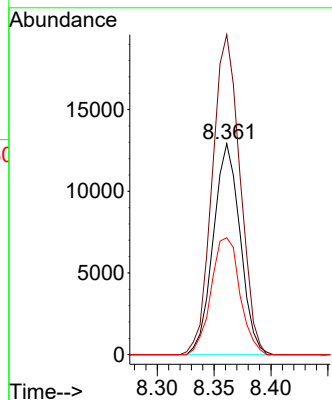
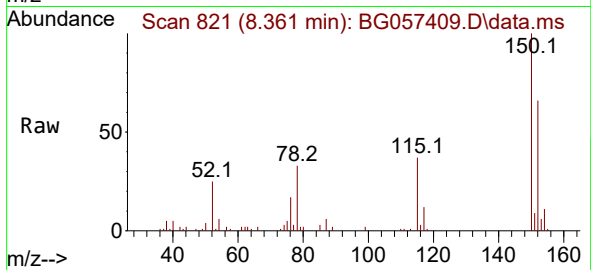




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

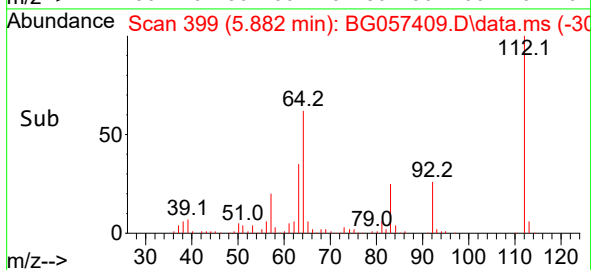
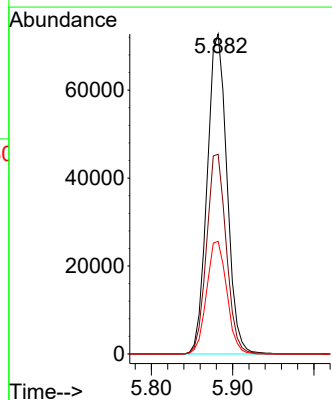
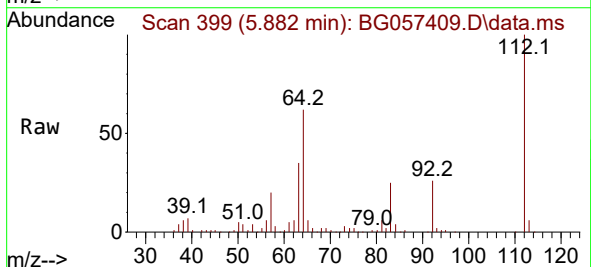
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

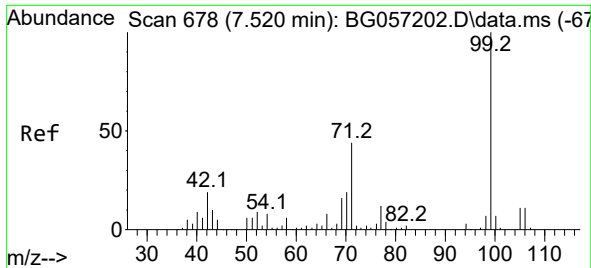
Tgt Ion:152 Resp: 21213
Ion Ratio Lower Upper
152 100
150 151.6 126.2 189.4
115 55.4 45.0 67.4



#5
2-Fluorophenol
Concen: 99.210 ng
RT: 5.882 min Scan# 399
Delta R.T. 0.003 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

Tgt Ion:112 Resp: 123029
Ion Ratio Lower Upper
112 100
64 62.4 49.4 74.2
63 35.2 31.6 47.4

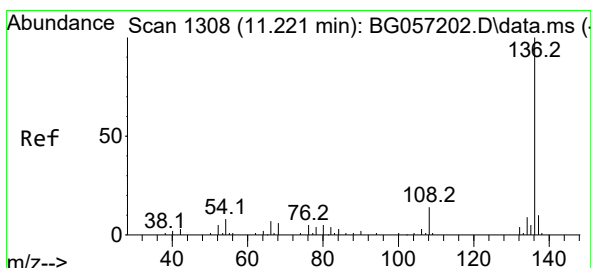
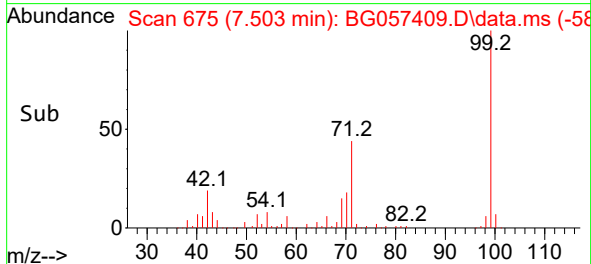
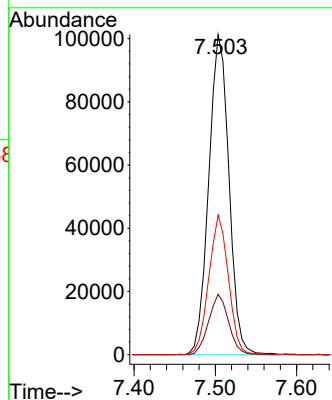
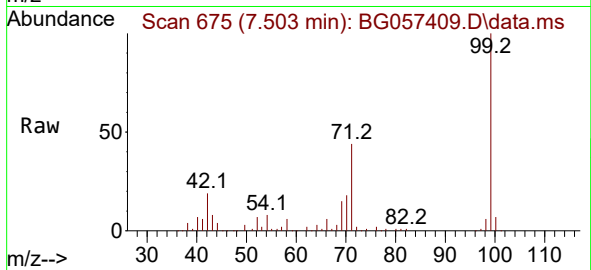




#7
Phenol-d6
Concen: 92.820 ng
RT: 7.503 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

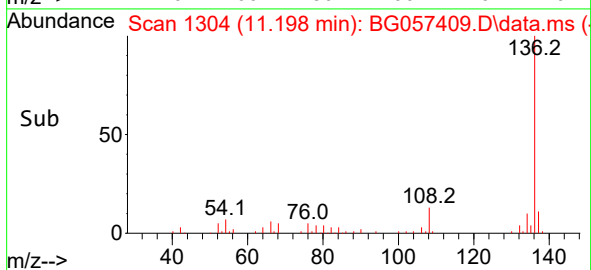
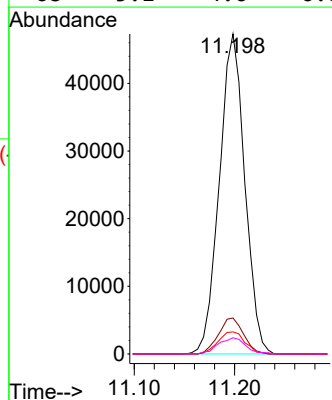
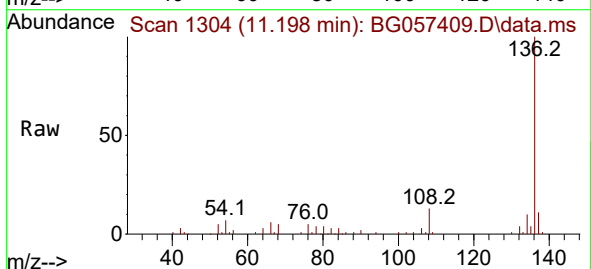
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

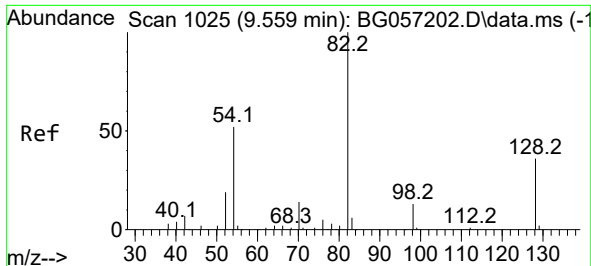
Tgt Ion: 99 Resp: 174790
Ion Ratio Lower Upper
99 100
42 18.9 15.1 22.7
71 43.6 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

Tgt Ion: 136 Resp: 83100
Ion Ratio Lower Upper
136 100
137 11.3 8.3 12.5
54 6.9 6.7 10.1
68 5.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 56.882 ng

RT: 9.536 min Scan# 110

Delta R.T. -0.008 min

Lab File: BG057409.D

Acq: 12 May 2023 14:41

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-OU3-GRILLO-1

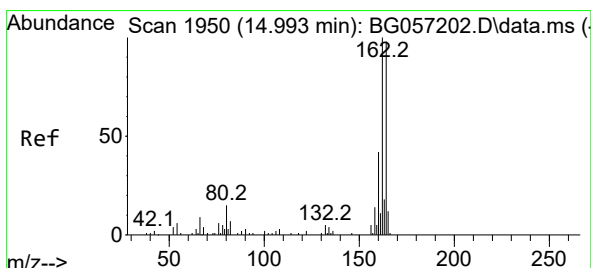
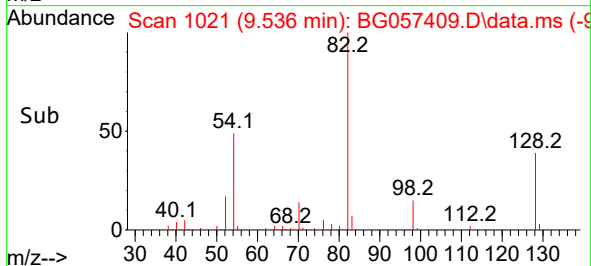
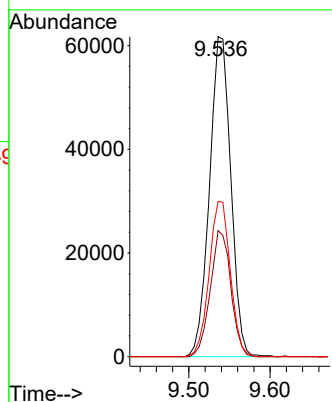
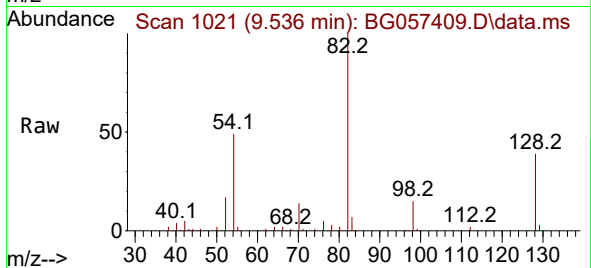
Tgt Ion: 82 Resp: 112624

Ion Ratio Lower Upper

82 100

128 39.4 29.0 43.4

54 48.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.976 min Scan# 1947

Delta R.T. -0.002 min

Lab File: BG057409.D

Acq: 12 May 2023 14:41

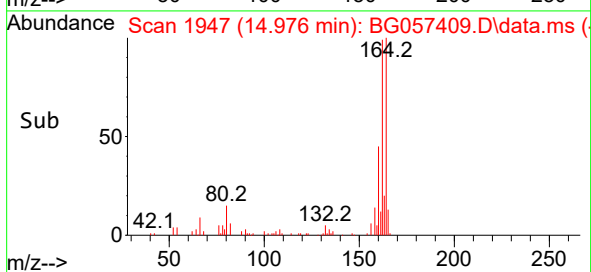
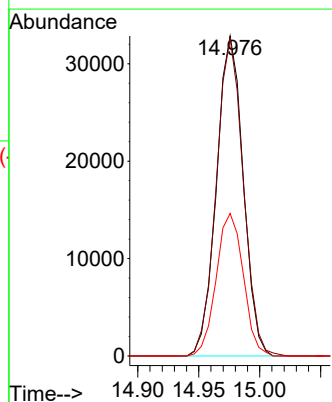
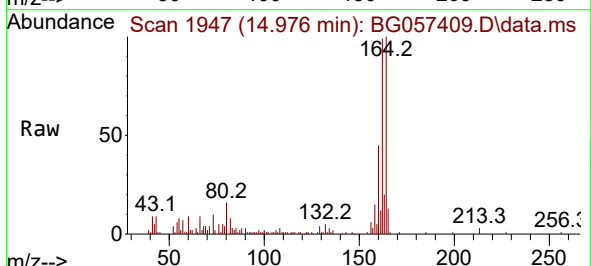
Tgt Ion:164 Resp: 49999

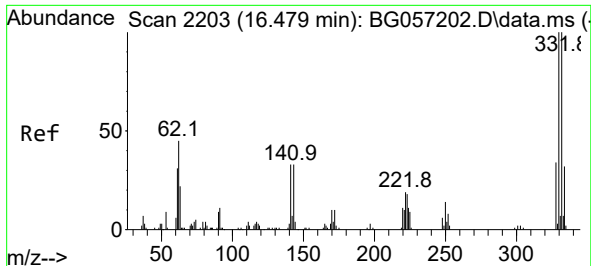
Ion Ratio Lower Upper

164 100

162 99.2 81.8 122.6

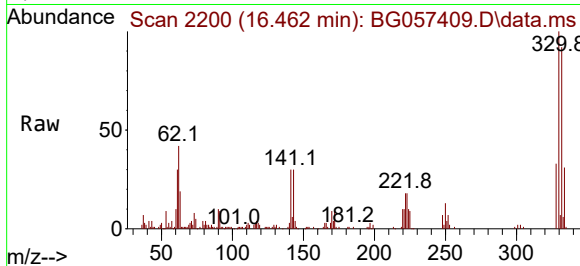
160 44.6 34.6 52.0



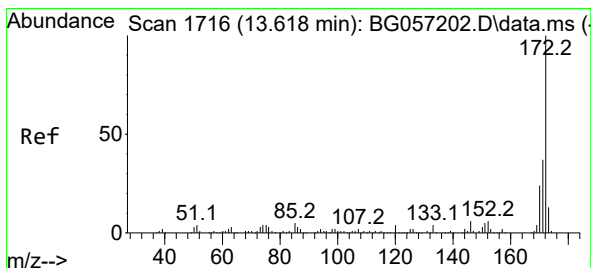
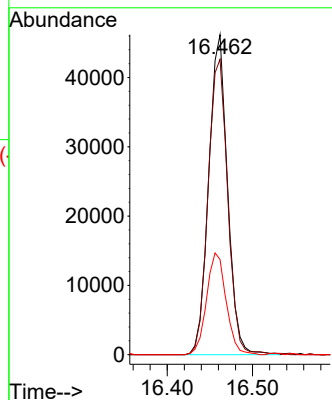
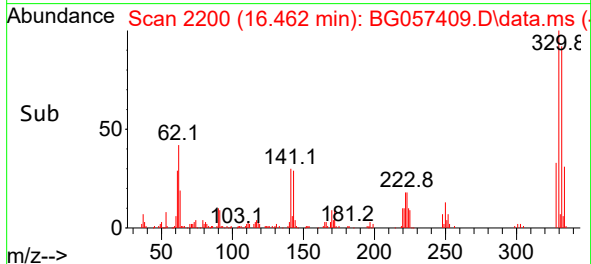


#42
2,4,6-Tribromophenol
Concen: 99.832 ng
RT: 16.462 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

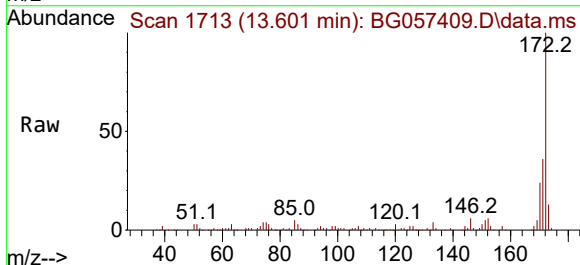
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-OU3-GRILLO-1



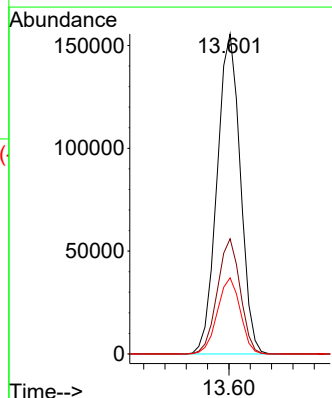
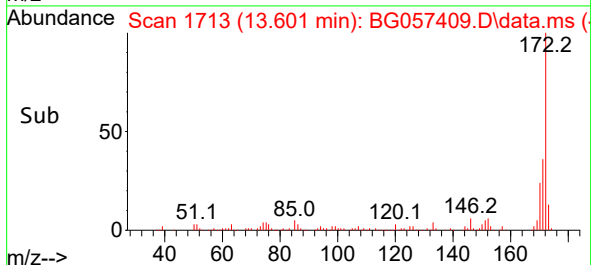
Tgt Ion:330 Resp: 70824
Ion Ratio Lower Upper
330 100
332 96.1 78.2 117.2
141 33.0 27.8 41.8

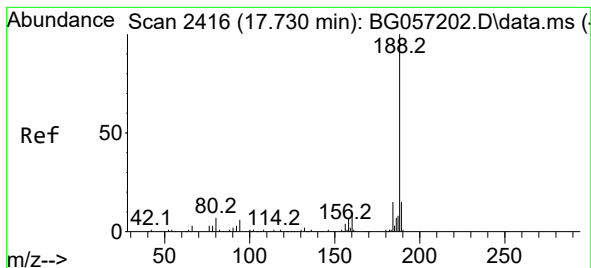


#45
2-Fluorobiphenyl
Concen: 63.378 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41



Tgt Ion:172 Resp: 235286
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 23.8 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2416

Delta R.T. -0.008 min

Lab File: BG057409.D

Acq: 12 May 2023 14:41

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-OU3-GRILLO-1

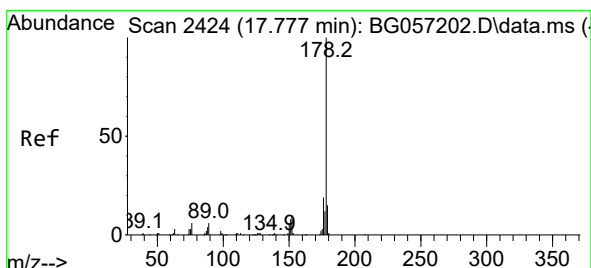
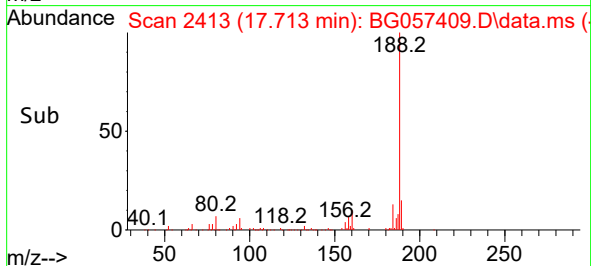
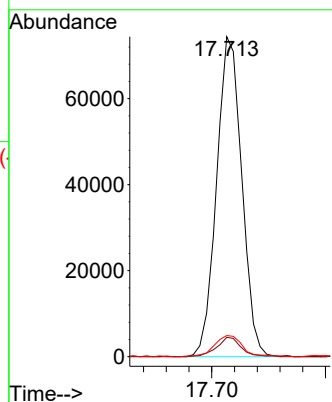
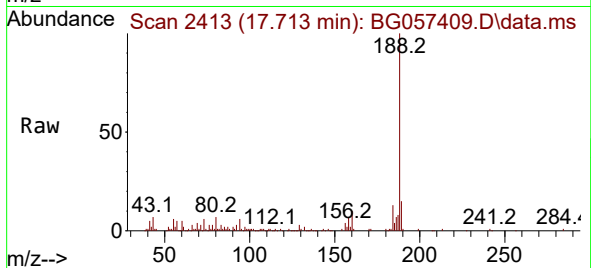
Tgt Ion:188 Resp: 114425

Ion Ratio Lower Upper

188 100

94 6.0 5.1 7.7

80 6.6 5.7 8.5



#71

Phenanthrene

Concen: 2.539 ng

RT: 17.754 min Scan# 2420

Delta R.T. -0.008 min

Lab File: BG057409.D

Acq: 12 May 2023 14:41

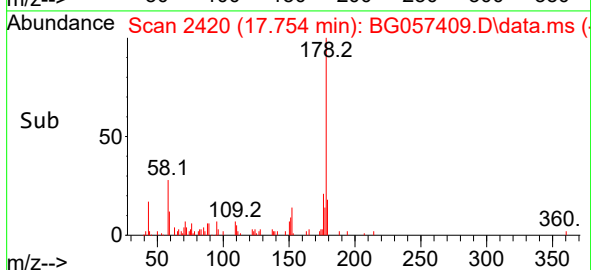
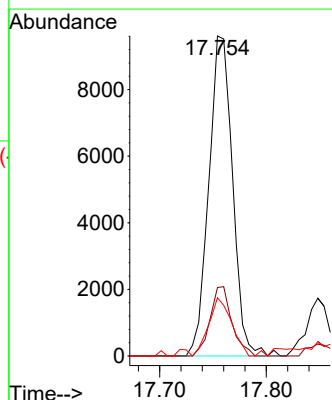
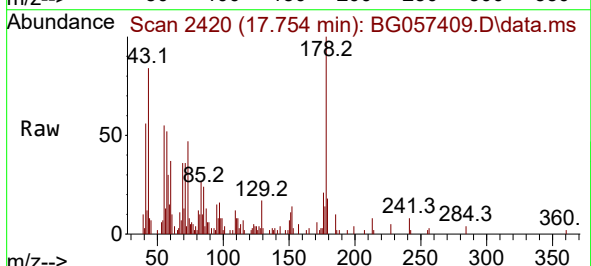
Tgt Ion:178 Resp: 14886

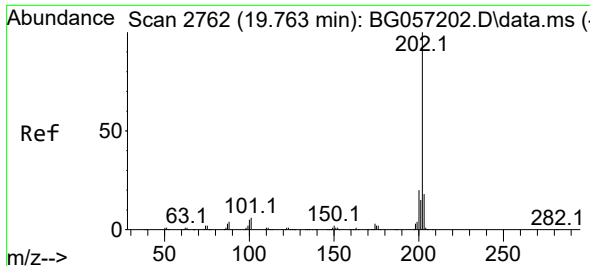
Ion Ratio Lower Upper

178 100

176 21.4 15.4 23.2

179 18.2 12.3 18.5

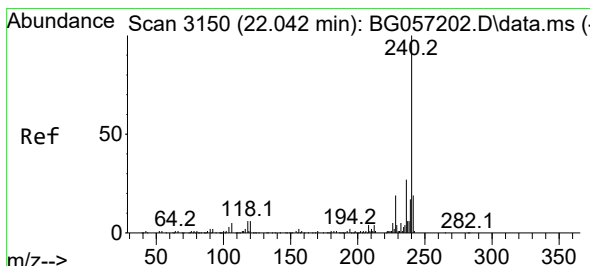
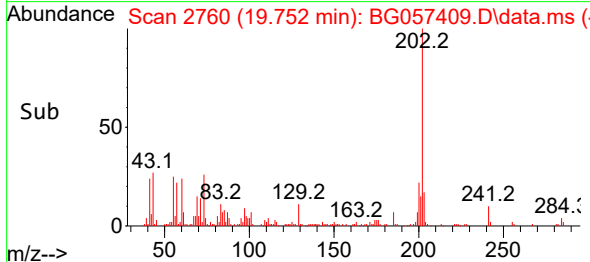
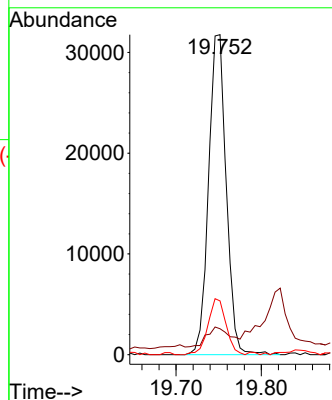
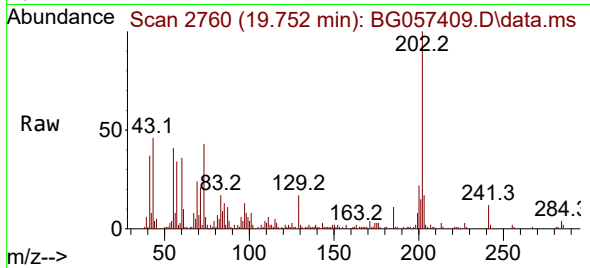




#75
Fluoranthene
Concen: 6.257 ng
RT: 19.752 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

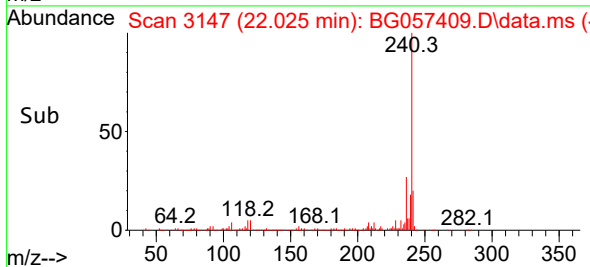
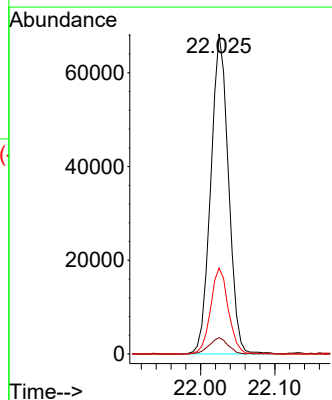
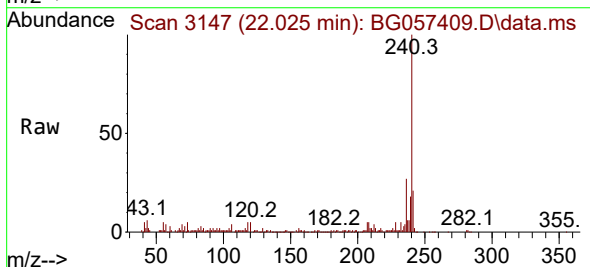
Instrument :
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TOPSOIL-OU3-GRILLO-1

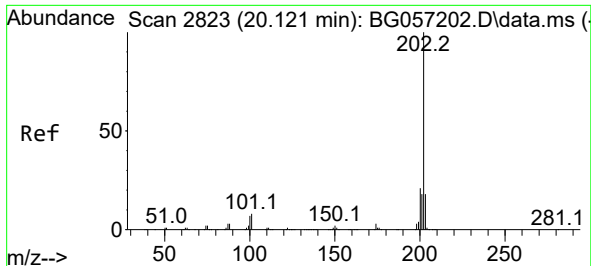
Tgt Ion:202 Resp: 45630
Ion Ratio Lower Upper
202 100
101 8.1 0.0 26.2
203 16.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

Tgt Ion:240 Resp: 113038
Ion Ratio Lower Upper
240 100
120 5.1 4.9 7.3
236 26.9 21.4 32.2

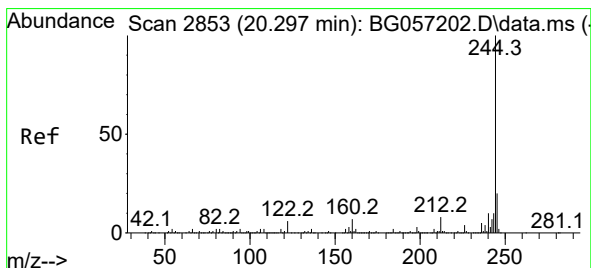
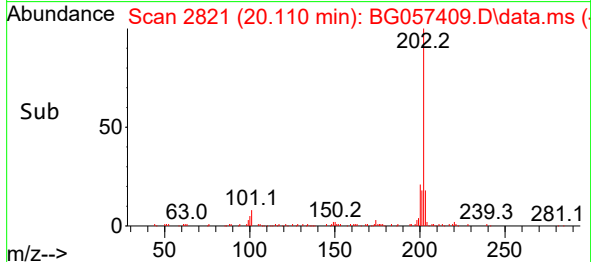
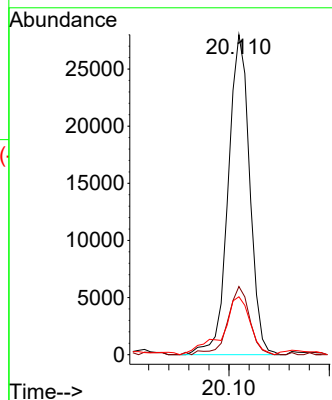
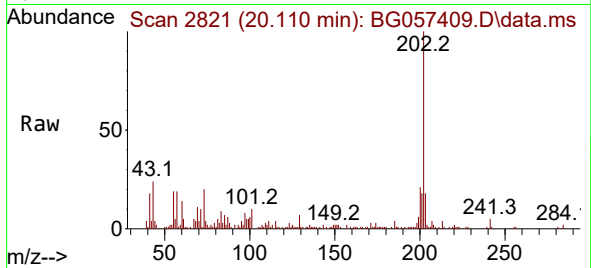




#78
 Pyrene
 Concen: 5.061 ng
 RT: 20.110 min Scan# 2821
 Delta R.T. -0.002 min
 Lab File: BG057409.D
 Acq: 12 May 2023 14:41

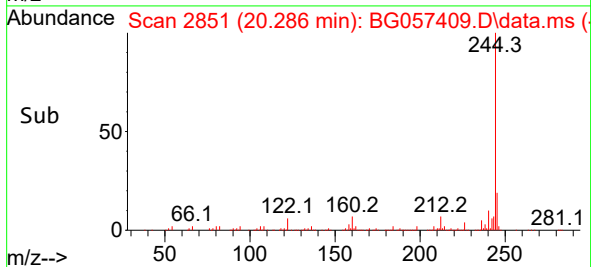
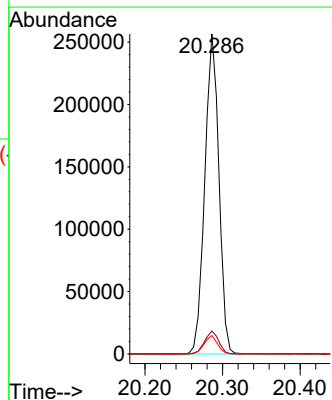
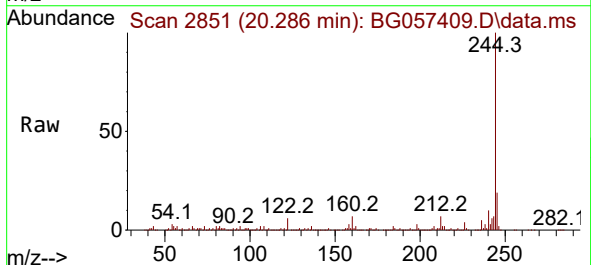
Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

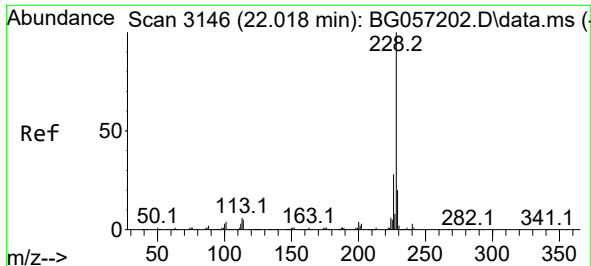
Tgt Ion:202 Resp: 41569
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.4
 203 18.1 14.2 21.4



#79
 Terphenyl-d14
 Concen: 46.673 ng
 RT: 20.286 min Scan# 2851
 Delta R.T. -0.002 min
 Lab File: BG057409.D
 Acq: 12 May 2023 14:41

Tgt Ion:244 Resp: 323289
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.7 5.1 7.7

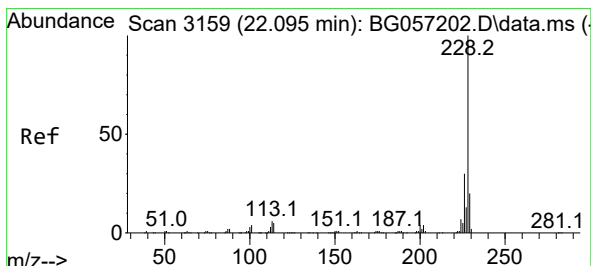
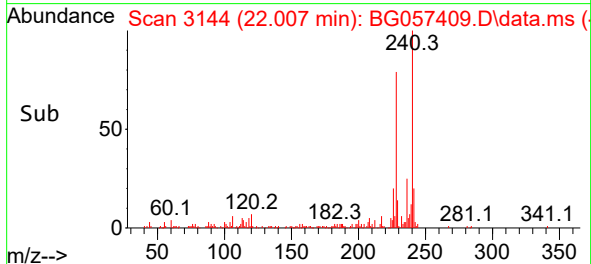
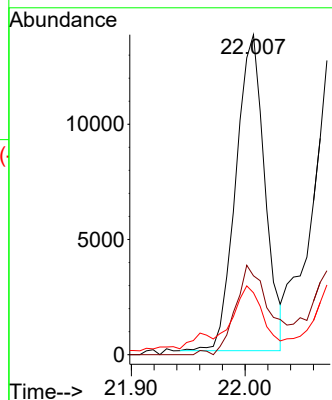
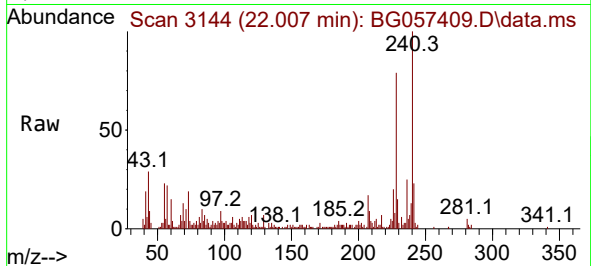




#81
Benzo(a)anthracene
Concen: 3.006 ng
RT: 22.007 min Scan# 3144
Delta R.T. -0.002 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

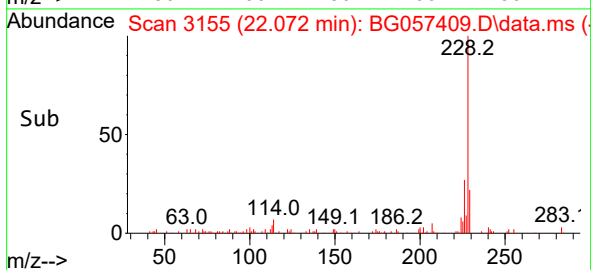
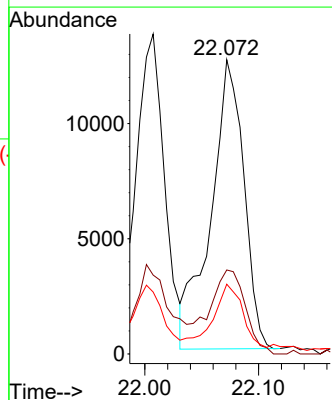
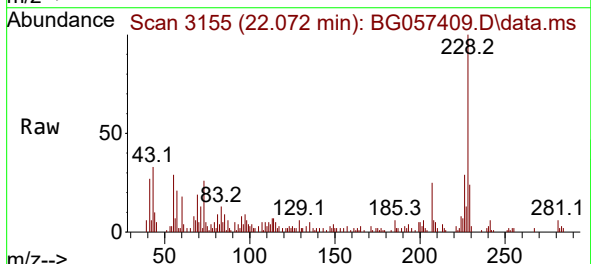
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

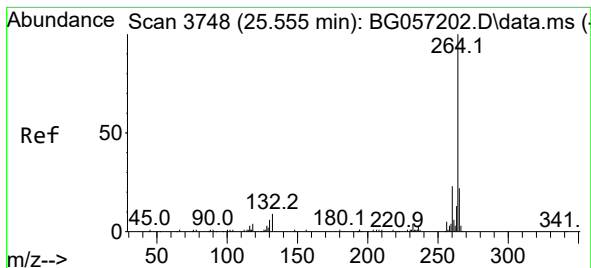
Tgt Ion:228 Resp: 24212
Ion Ratio Lower Upper
228 100
226 24.7 22.0 33.0
229 19.4 15.8 23.8



#83
Chrysene
Concen: 3.346 ng
RT: 22.072 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

Tgt Ion:228 Resp: 25352
Ion Ratio Lower Upper
228 100
226 28.5 24.3 36.5
229 23.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.532 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG057409.D

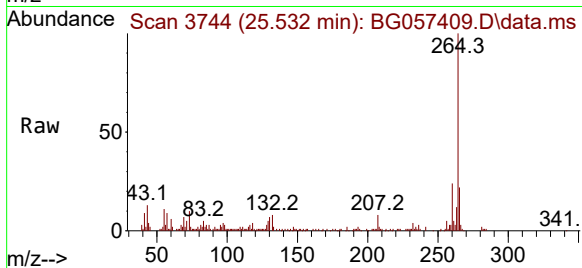
Acq: 12 May 2023 14:41

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-OU3-GRILLO-1



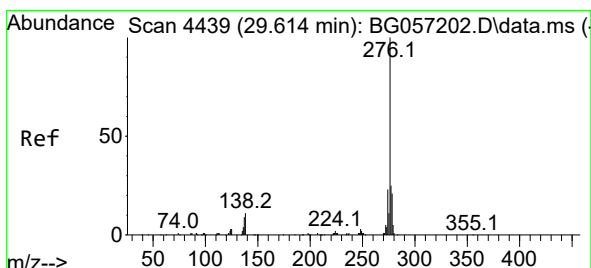
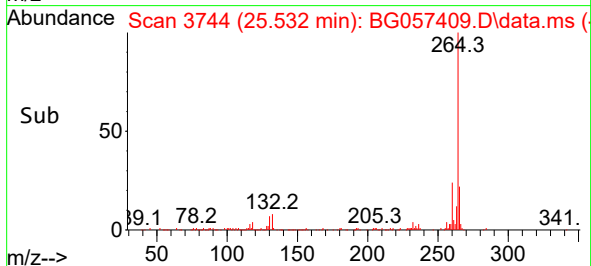
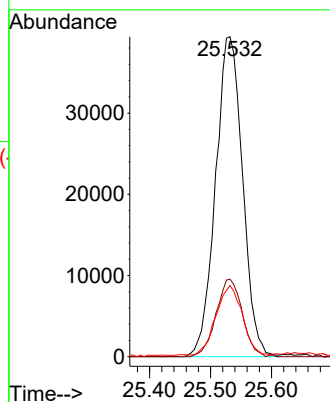
Tgt Ion:264 Resp: 121479

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.2 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.063 ng

RT: 29.585 min Scan# 4434

Delta R.T. -0.014 min

Lab File: BG057409.D

Acq: 12 May 2023 14:41

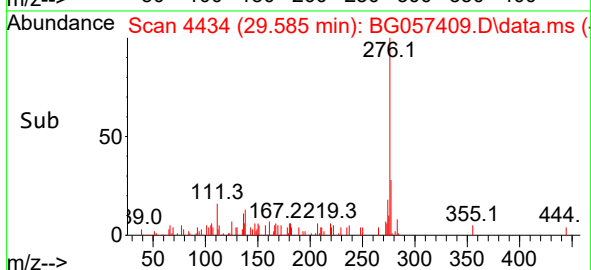
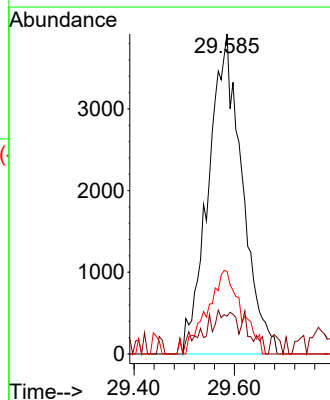
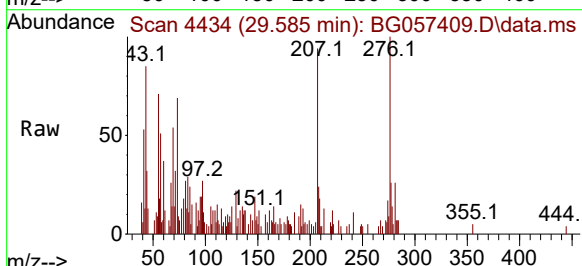
Tgt Ion:276 Resp: 18267

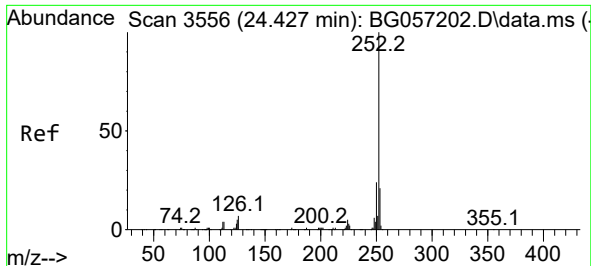
Ion Ratio Lower Upper

276 100

138 1.8 5.4 8.0#

277 26.2 20.6 30.8

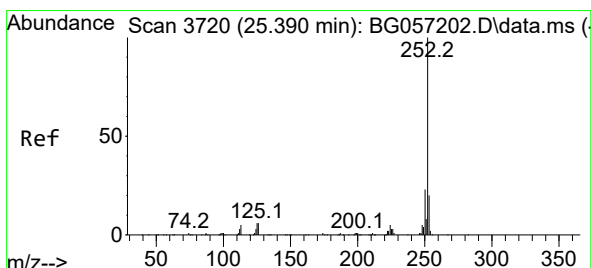
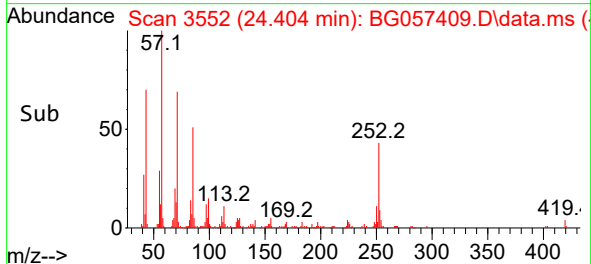
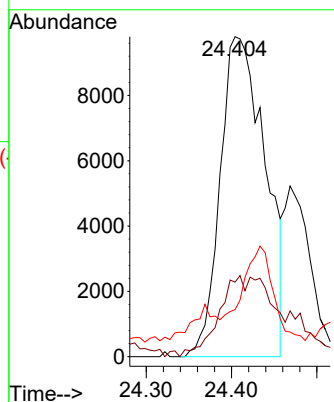
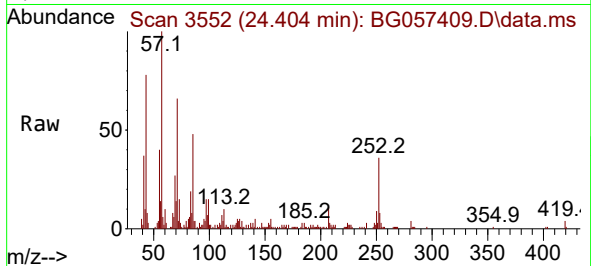




#88
Benzo(b)fluoranthene
Concen: 4.519 ng
RT: 24.404 min Scan# 311
Delta R.T. -0.008 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

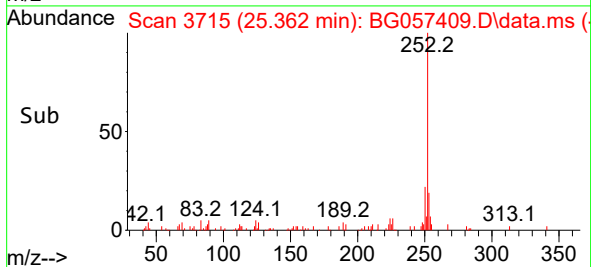
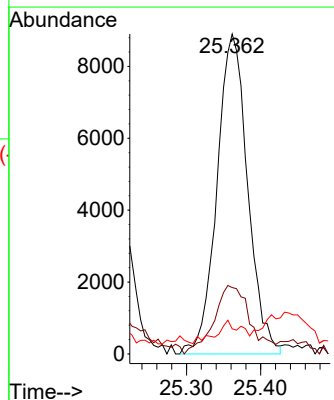
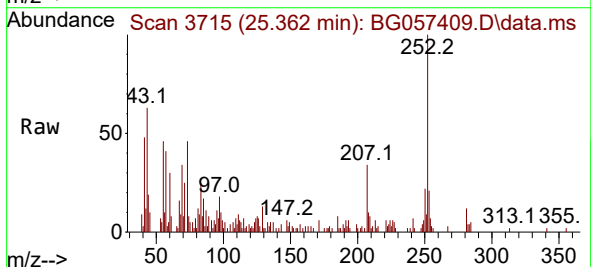
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-OU3-GRILLO-1

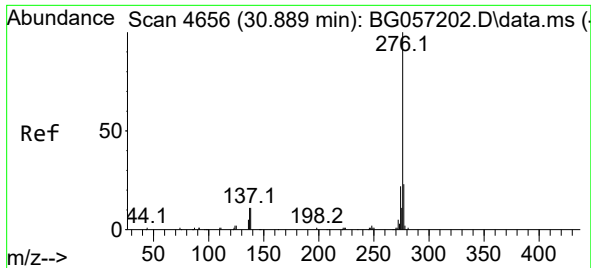
Tgt Ion:252 Resp: 35889
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 14.7 4.2 6.2#



#90
Benzo(a)pyrene
Concen: 3.301 ng
RT: 25.362 min Scan# 3715
Delta R.T. -0.014 min
Lab File: BG057409.D
Acq: 12 May 2023 14:41

Tgt Ion:252 Resp: 25609
Ion Ratio Lower Upper
252 100
253 20.8 16.3 24.5
125 7.8 5.0 7.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.529 ng
 RT: 30.866 min Scan# 40
 Delta R.T. -0.008 min
 Lab File: BG057409.D
 Acq: 12 May 2023 14:41

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-OU3-GRILLO-1

Tgt Ion:276 Resp: 18208
 Ion Ratio Lower Upper
 276 100
 277 21.2 18.4 27.6
 138 14.5 9.0 13.4#

