

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055182.D
 Acq On : 14 Oct 2022 17:39
 Operator : CG/JU
 Sample : N5133-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HAS-SOIL-1013

Quant Time: Oct 14 18:19:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

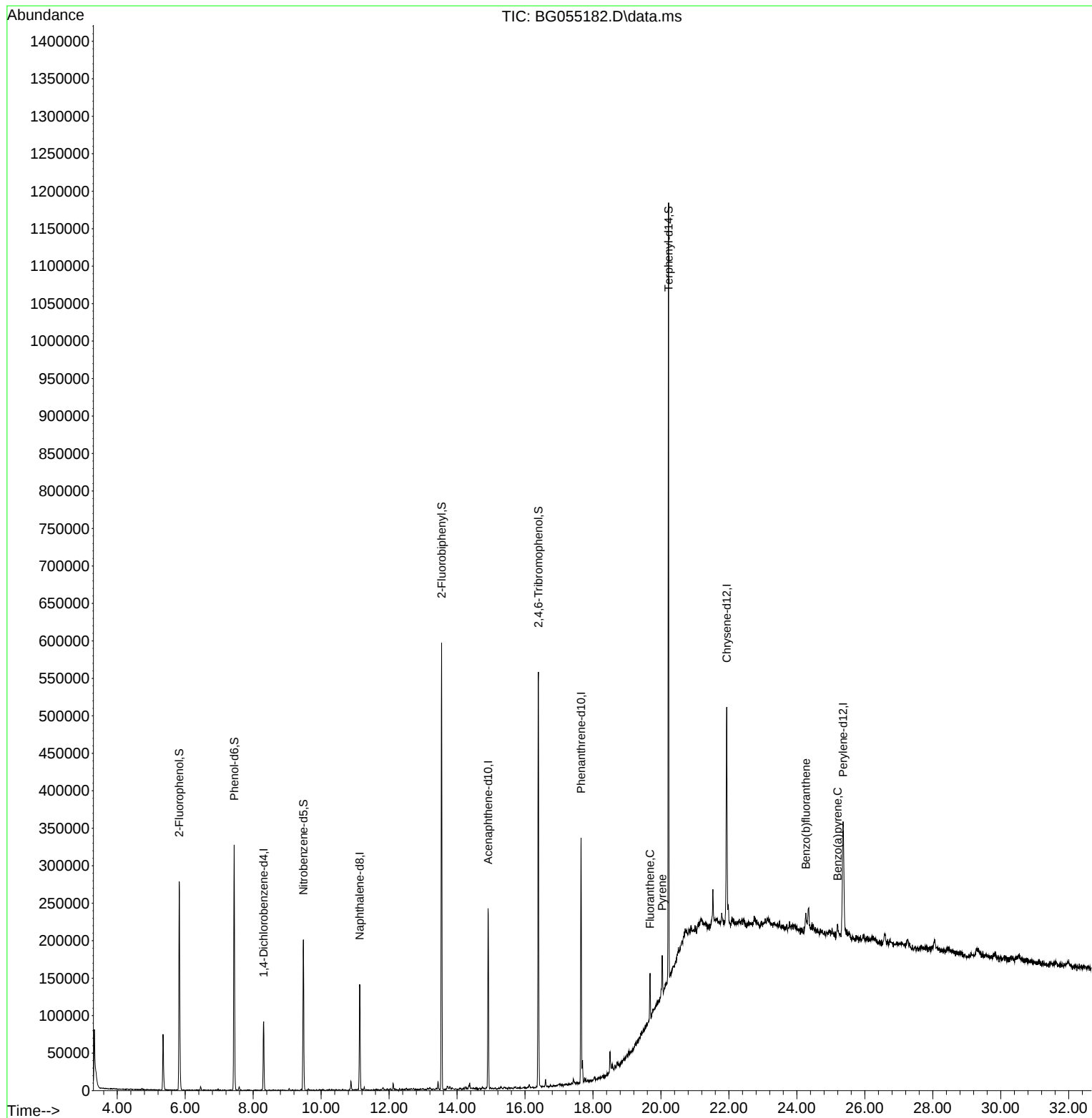
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.308	152	28280	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	121654	20.000	ng	0.00
39) Acenaphthene-d10	14.912	164	90273	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	214339	20.000	ng	# 0.00
76) Chrysene-d12	21.933	240	189450	20.000	ng	0.00
86) Perylene-d12	25.358	264	187378	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	139564	96.554	ng	0.00
7) Phenol-d6	7.438	99	188645	88.225	ng	0.00
23) Nitrobenzene-d5	9.477	82	119745	52.783	ng	0.00
42) 2,4,6-Tribromophenol	16.392	330	124504	95.985	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	310413	56.171	ng	0.00
79) Terphenyl-d14	20.223	244	524637	55.773	ng	0.00
Target Compounds						
75) Fluoranthene	19.677	202	42157	3.033	ng	Qvalue 98
78) Pyrene	20.035	202	35092	2.779	ng	98
88) Benzo(b)fluoranthene	24.266	252	30521	2.733	ng	# 89
90) Benzo(a)pyrene	25.194	252	22104	2.315	ng	# 74

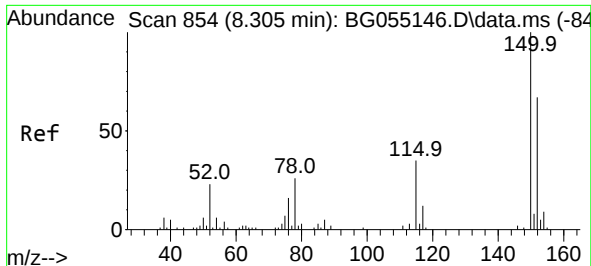
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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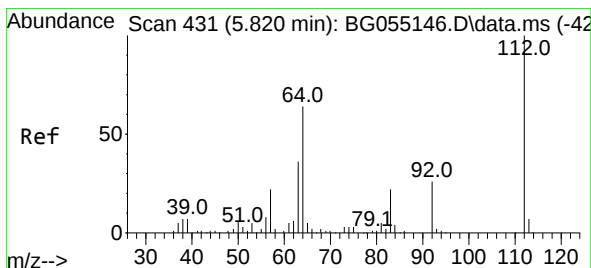
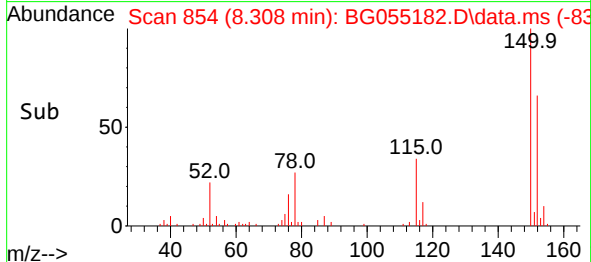
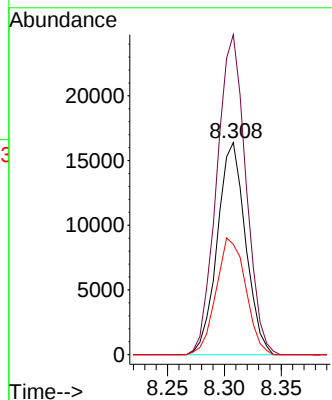
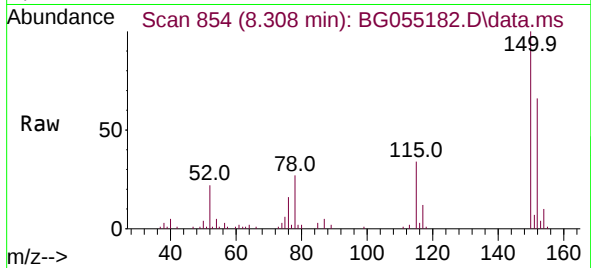




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.308 min Scan# 854
Delta R.T. 0.003 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

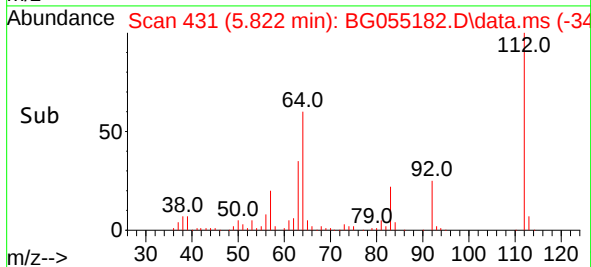
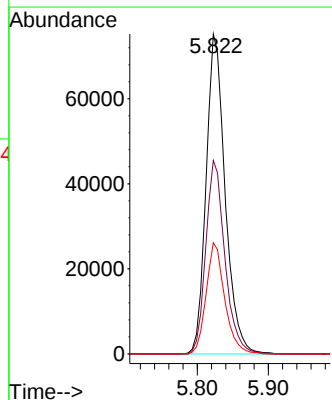
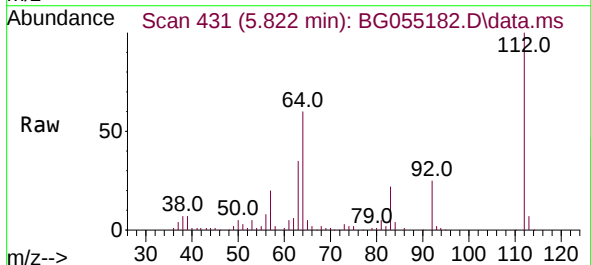
Instrument :
BNA_G
ClientSampleId :
HAS-SOIL-1013

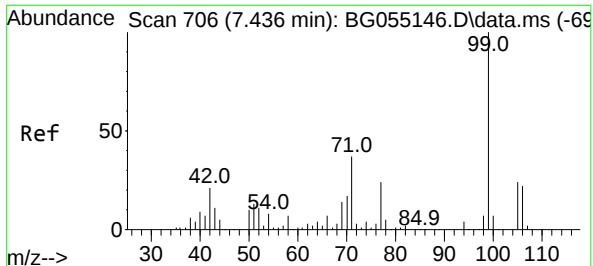
Tgt Ion:152 Resp: 28280
Ion Ratio Lower Upper
152 100
150 150.8 119.7 179.5
115 52.0 42.4 63.6



#5
2-Fluorophenol
Concen: 96.554 ng
RT: 5.822 min Scan# 431
Delta R.T. 0.002 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

Tgt Ion:112 Resp: 139564
Ion Ratio Lower Upper
112 100
64 60.4 50.9 76.3
63 34.7 29.0 43.6

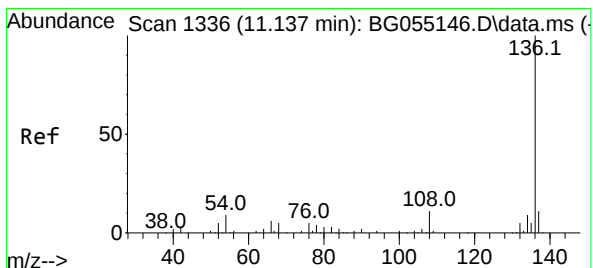
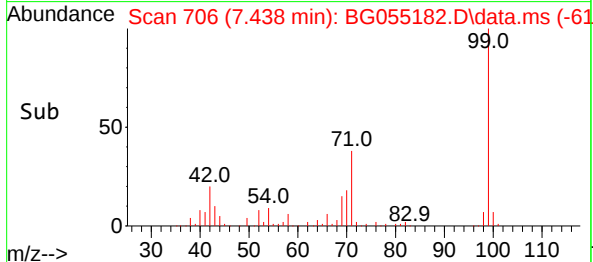
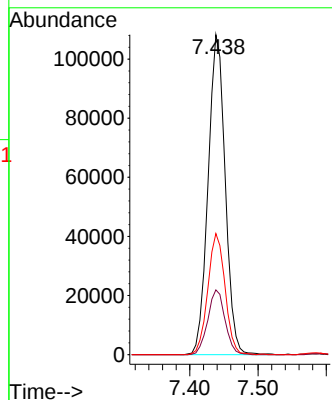
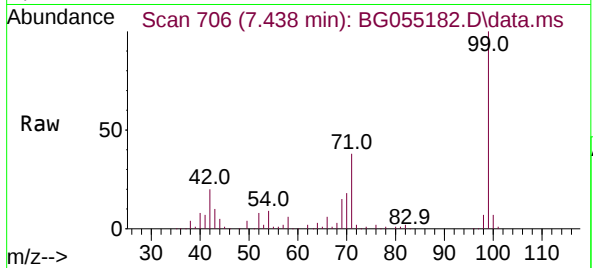




#7
Phenol-d6
Concen: 88.225 ng
RT: 7.438 min Scan# 706
Delta R.T. 0.002 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

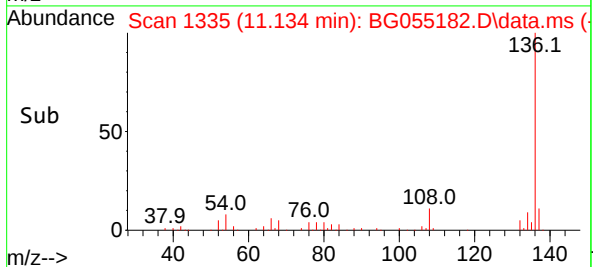
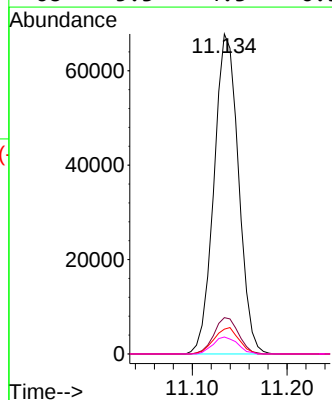
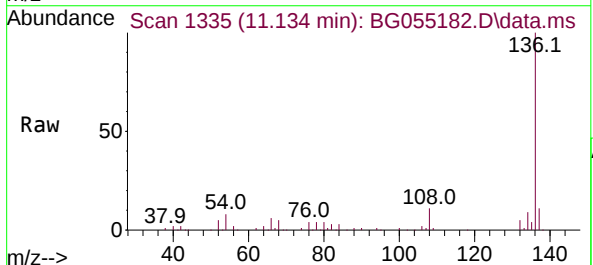
Instrument :
BNA_G
ClientSampleId :
HAS-SOIL-1013

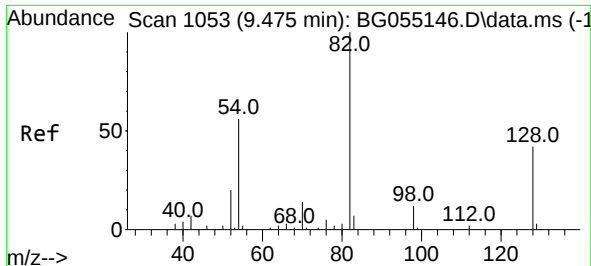
Tgt Ion: 99 Resp: 188645
Ion Ratio Lower Upper
99 100
42 20.2 16.6 25.0
71 37.8 29.6 44.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.003 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

Tgt Ion: 136 Resp: 121654
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.7 7.0 10.6
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 52.783 ng

RT: 9.477 min Scan# 10

Delta R.T. 0.002 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

Instrument :

BNA_G

ClientSampleId :

HAS-SOIL-1013

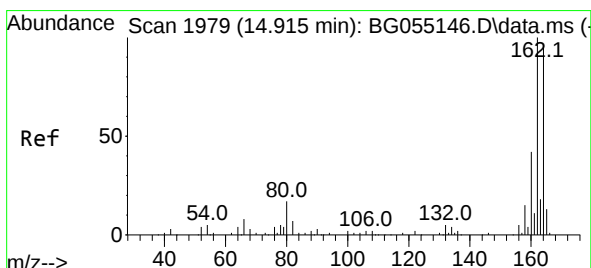
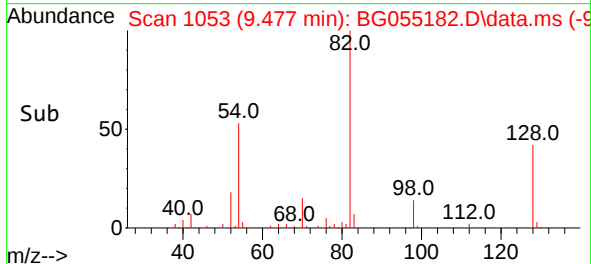
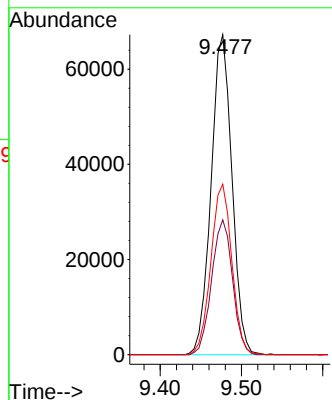
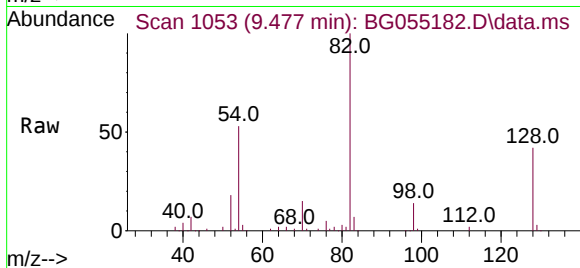
Tgt Ion: 82 Resp: 119745

Ion Ratio Lower Upper

82 100

128 42.1 33.5 50.3

54 53.3 44.7 67.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.912 min Scan# 1978

Delta R.T. -0.003 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

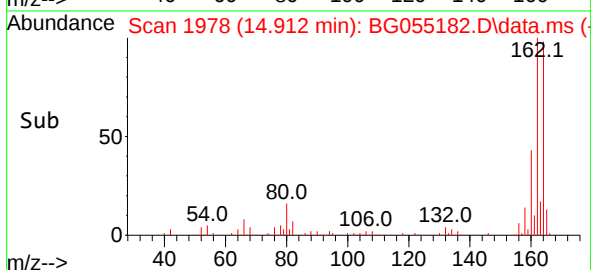
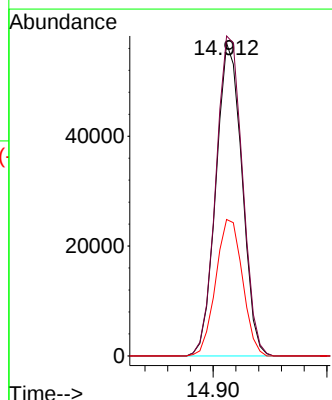
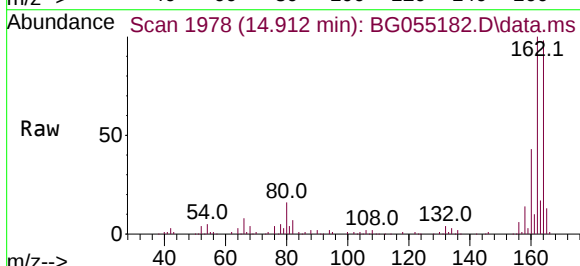
Tgt Ion:164 Resp: 90273

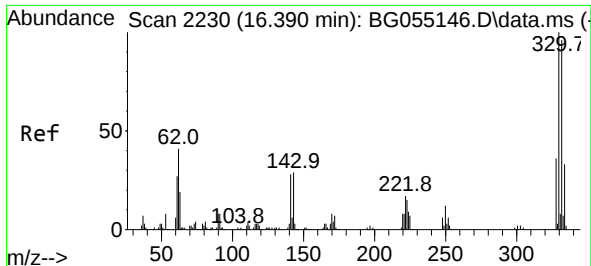
Ion Ratio Lower Upper

164 100

162 102.3 83.3 124.9

160 43.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 95.985 ng

RT: 16.392 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG055182.D

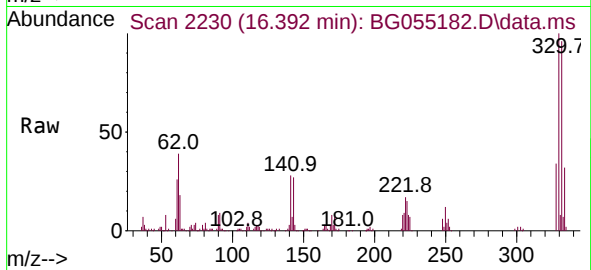
Acq: 14 Oct 2022 17:39

Instrument :

BNA_G

ClientSampleId :

HAS-SOIL-1013



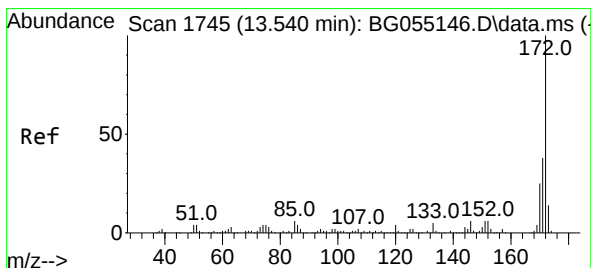
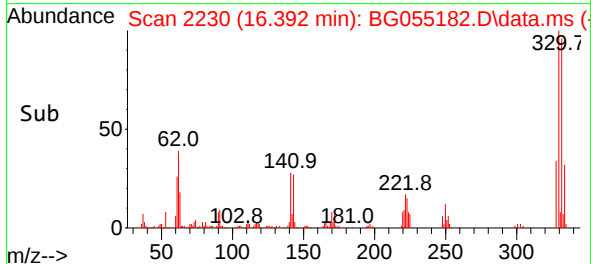
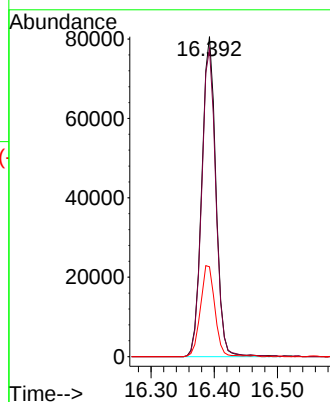
Tgt Ion:330 Resp: 124504

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.4

141 29.0 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 56.171 ng

RT: 13.543 min Scan# 1745

Delta R.T. 0.002 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

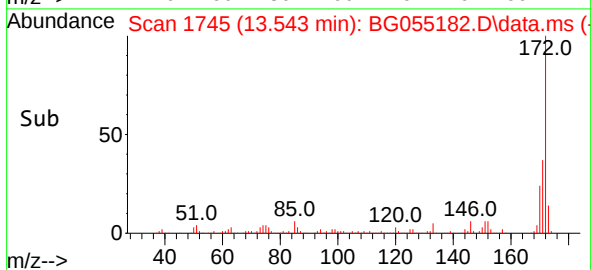
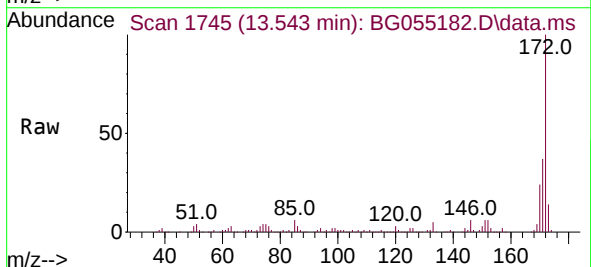
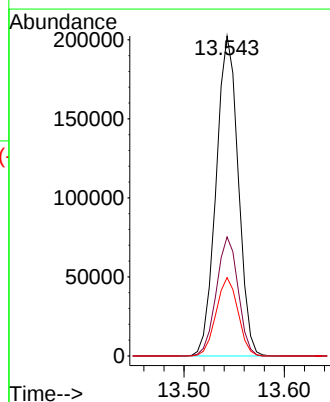
Tgt Ion:172 Resp: 310413

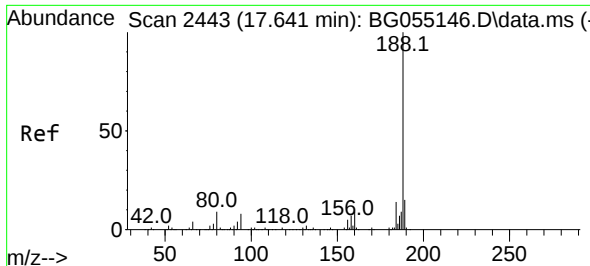
Ion Ratio Lower Upper

172 100

171 37.2 30.1 45.1

170 24.5 19.8 29.6

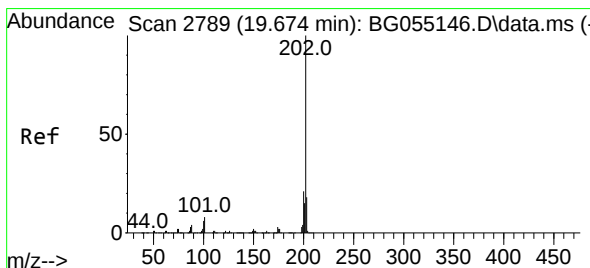
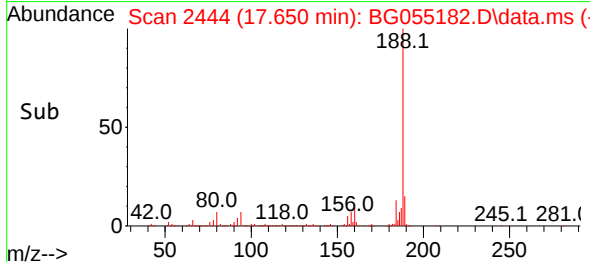
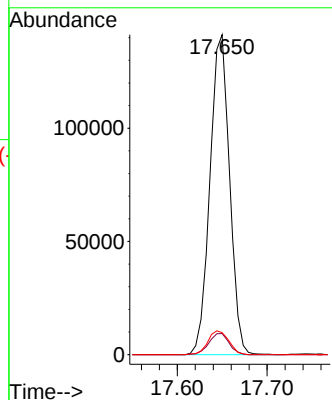
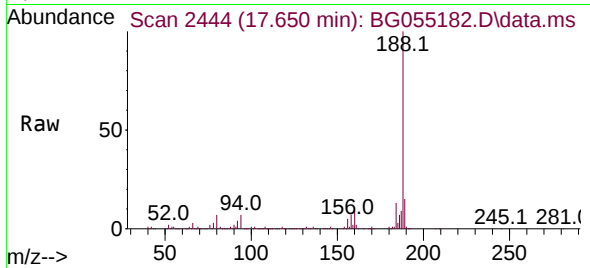




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.650 min Scan# 2444
Delta R.T. 0.008 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

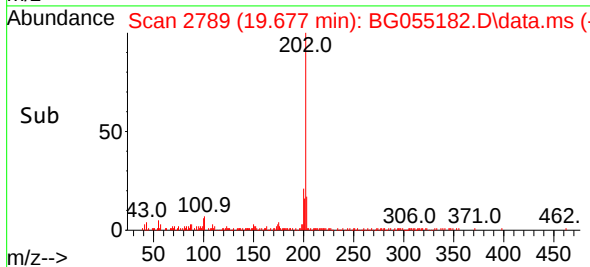
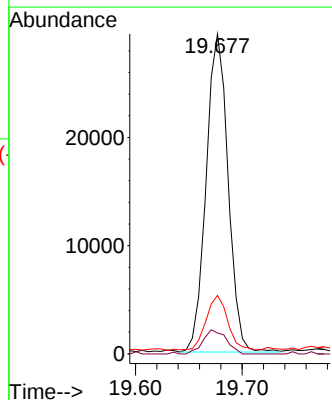
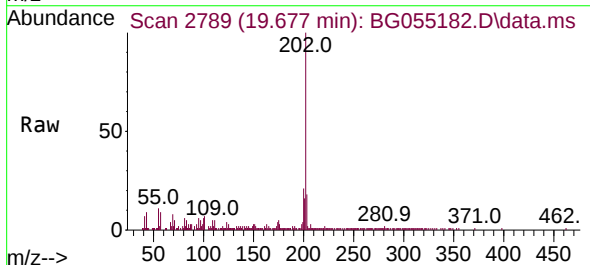
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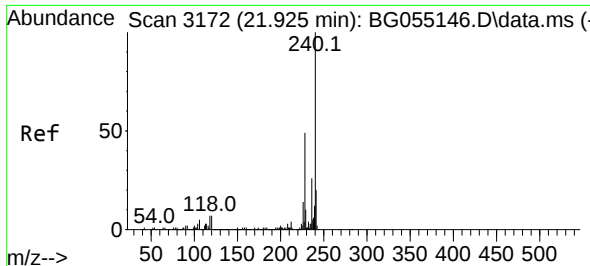
Tgt Ion:188 Resp: 214339
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.2
80 6.9 7.0 10.6#



#75
Fluoranthene
Concen: 3.033 ng
RT: 19.677 min Scan# 2789
Delta R.T. 0.003 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

Tgt Ion:202 Resp: 42157
Ion Ratio Lower Upper
202 100
101 6.5 0.0 28.4
203 18.3 0.0 37.8

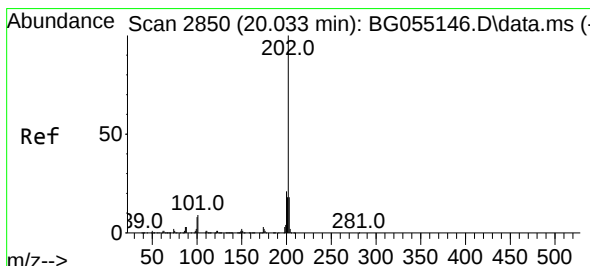
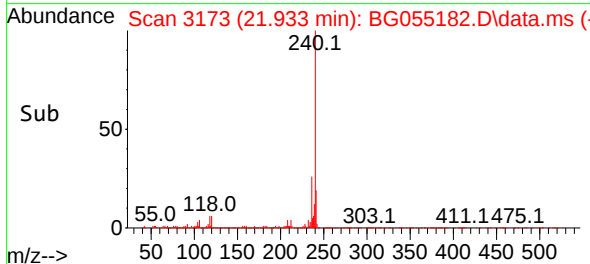
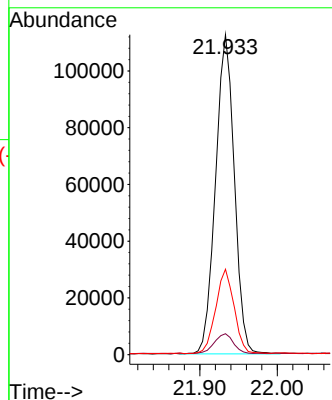
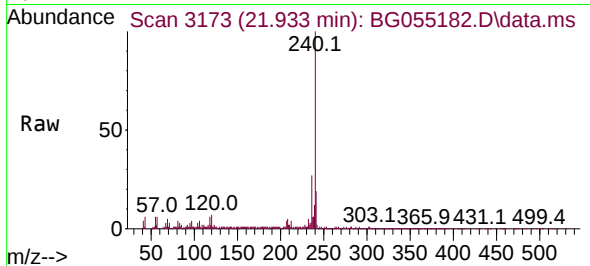




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.008 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

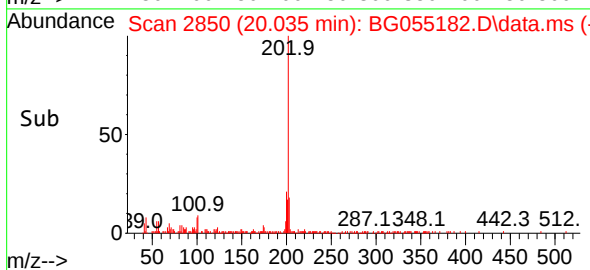
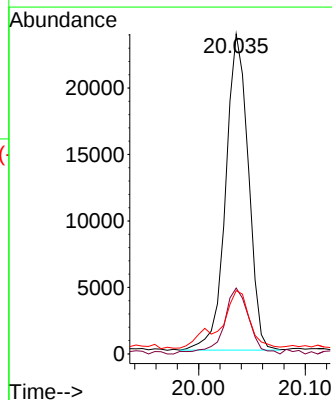
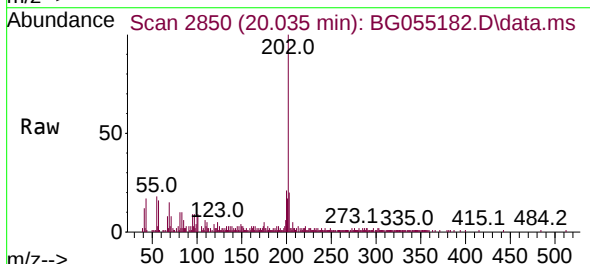
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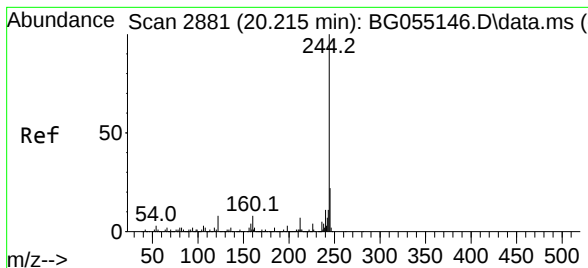
Tgt Ion:240 Resp: 189450
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 26.7 20.6 31.0



#78
Pyrene
Concen: 2.779 ng
RT: 20.035 min Scan# 2850
Delta R.T. 0.003 min
Lab File: BG055182.D
Acq: 14 Oct 2022 17:39

Tgt Ion:202 Resp: 35092
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 19.8 14.4 21.6





#79

Terphenyl-d14

Concen: 55.773 ng

RT: 20.223 min Scan# 2881

Delta R.T. 0.008 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

Instrument :

BNA_G

ClientSampleId :

HAS-SOIL-1013

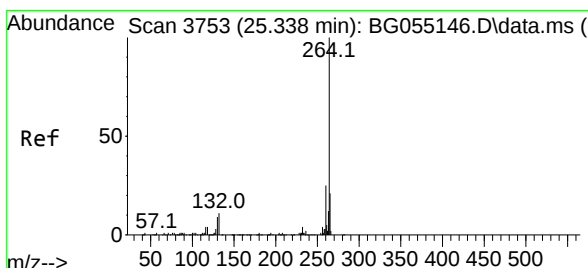
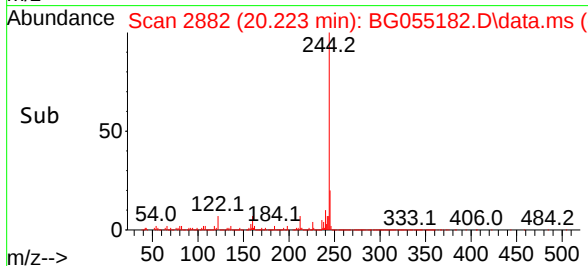
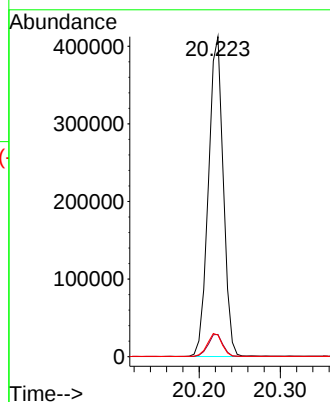
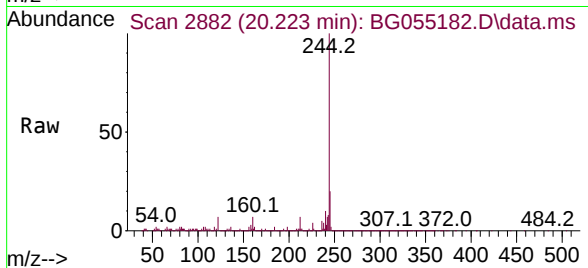
Tgt Ion:244 Resp: 524637

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 6.7 6.6 10.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.358 min Scan# 3756

Delta R.T. 0.020 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

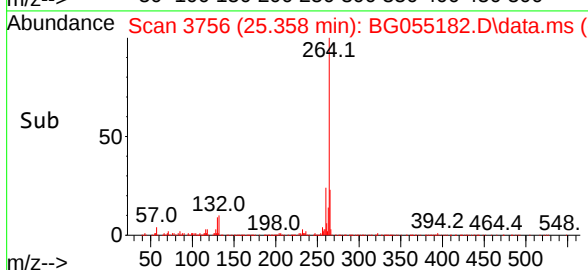
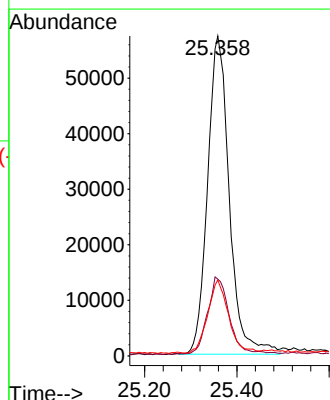
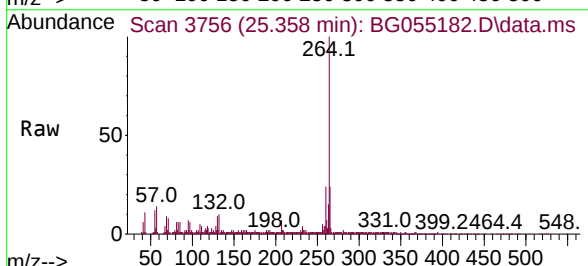
Tgt Ion:264 Resp: 187378

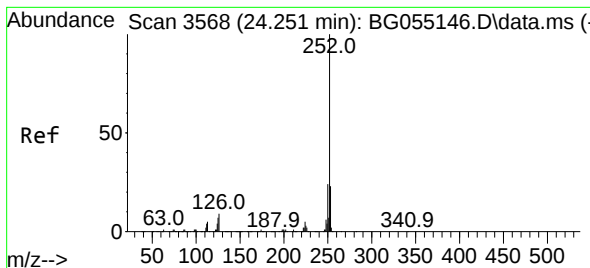
Ion Ratio Lower Upper

264 100

260 24.0 20.1 30.1

265 23.7 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 2.733 ng

RT: 24.266 min Scan# 3570

Delta R.T. 0.014 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

Instrument :

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ClientSampleId :

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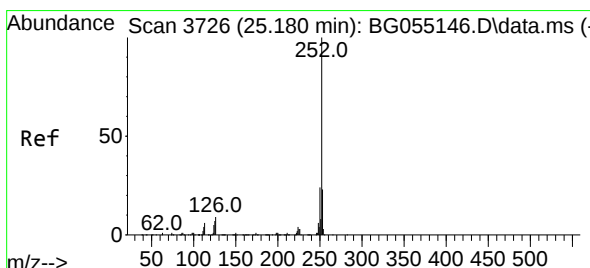
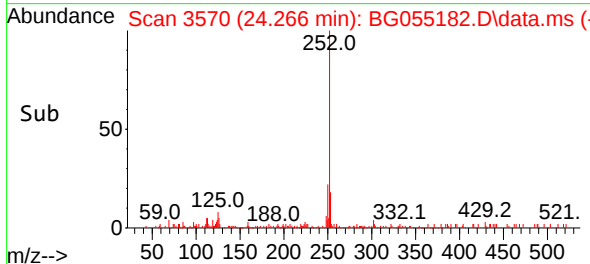
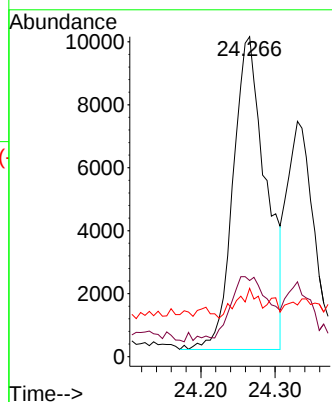
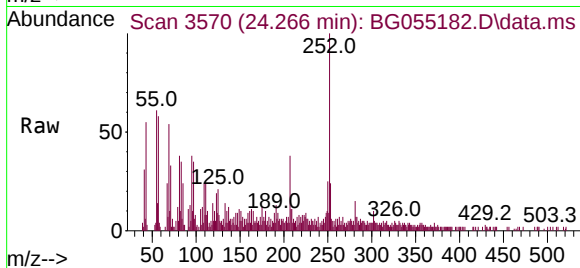
Tgt Ion:252 Resp: 30521

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 21.3 5.7 8.5#



#90

Benzo(a)pyrene

Concen: 2.315 ng

RT: 25.194 min Scan# 3728

Delta R.T. 0.014 min

Lab File: BG055182.D

Acq: 14 Oct 2022 17:39

Tgt Ion:252 Resp: 22104

Ion Ratio Lower Upper

252 100

253 31.2 18.2 27.2#

125 24.9 5.8 8.8#

