

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056540.D
 Acq On : 3 Feb 2023 15:50
 Operator : CG/JU
 Sample : 01404-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NPHACK-SOIL-0201

Quant Time: Feb 04 05:12:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

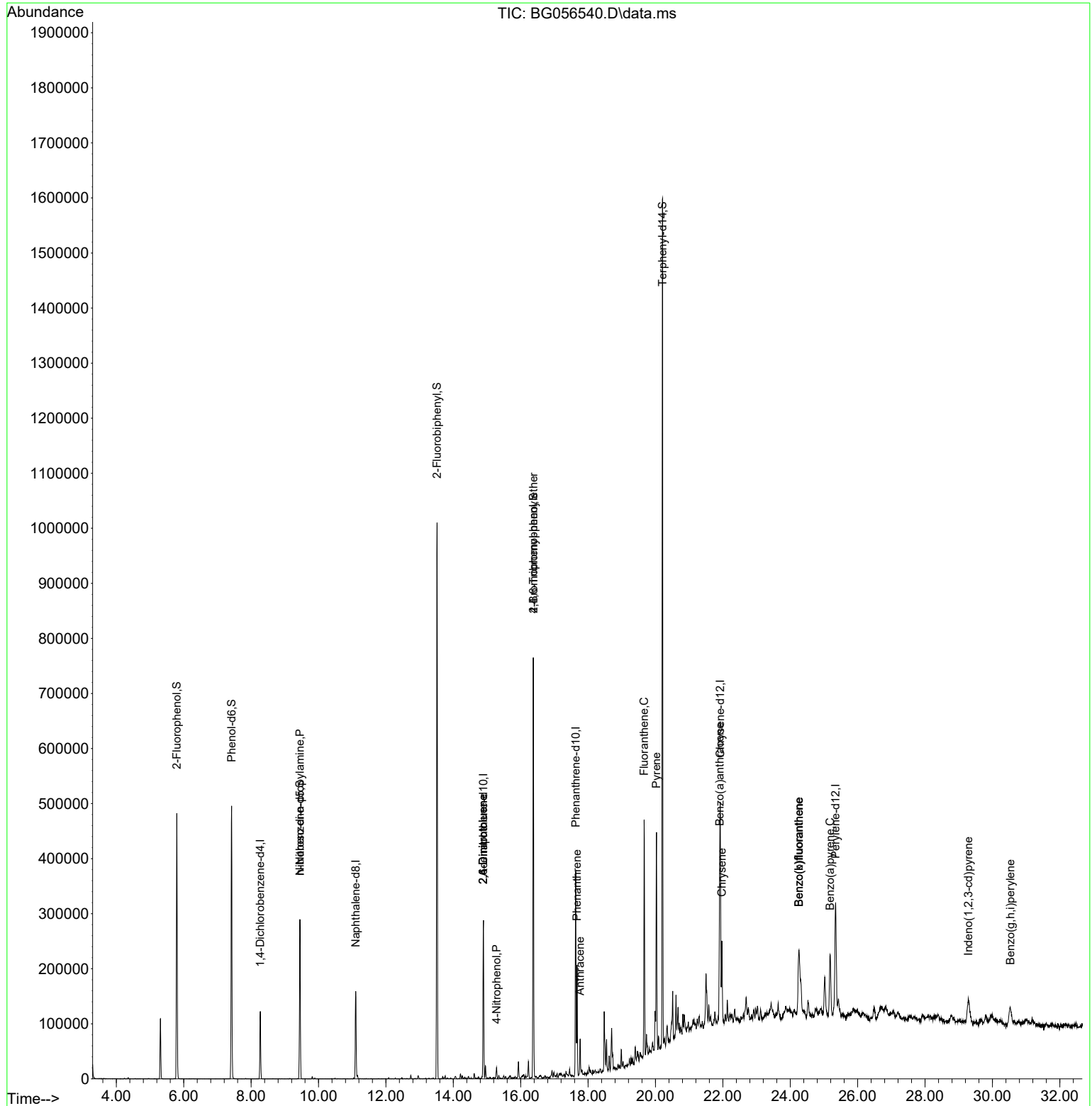
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	41944	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	154949	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	110984	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	252104	20.000	ng	0.00
76) Chrysene-d12	21.921	240	235499	20.000	ng	0.00
86) Perylene-d12	25.346	264	260016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	277628	121.762	ng	0.00
7) Phenol-d6	7.420	99	379619	112.369	ng	0.00
23) Nitrobenzene-d5	9.447	82	202195	74.099	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	157205	106.546	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	584062	72.962	ng	0.00
79) Terphenyl-d14	20.211	244	879131	65.566	ng	0.00
Target Compounds						
9) Benzaldehyde	7.420	77	848	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	9.447	70	24985	12.833	ng	# 1
51) 2,6-Dinitrotoluene	14.888	165	15167	7.746	ng	# 72
56) 4-Nitrophenol	15.288	139	4024	3.102	ng	# 38
57) 2,4-Dinitrotoluene	14.888	165	15167	5.499	ng	# 10
67) 4-Bromophenyl-phenylether	16.375	248	13120	4.065	ng	# 37
71) Phenanthrene	17.673	178	136669	10.358	ng	# 1
72) Anthracene	17.761	178	47721	3.523	ng	97
75) Fluoranthene	19.665	202	296413	17.799	ng	98
78) Pyrene	20.029	202	271423	16.205	ng	99
81) Benzo(a)anthracene	21.903	228	139566	8.477	ng	99
83) Chrysene	21.968	228	122638	7.929	ng	99
87) Indeno(1,2,3-cd)pyrene	29.289	276	85569	4.496	ng	# 97
88) Benzo(b)fluoranthene	24.254	252	177059	10.971	ng	# 94
89) Benzo(k)fluoranthene	24.254	252	177059	10.866	ng	# 97
90) Benzo(a)pyrene	25.182	252	137151	8.627	ng	# 95
92) Benzo(g,h,i)perylene	30.535	276	80637	5.231	ng	99

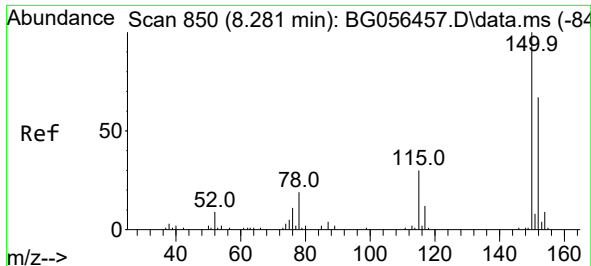
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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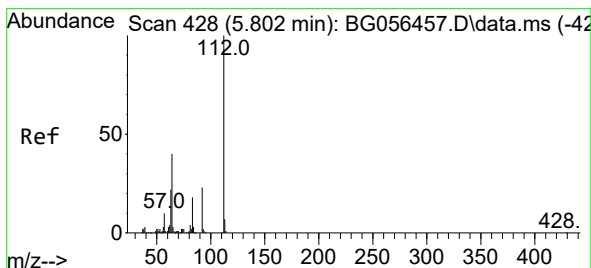
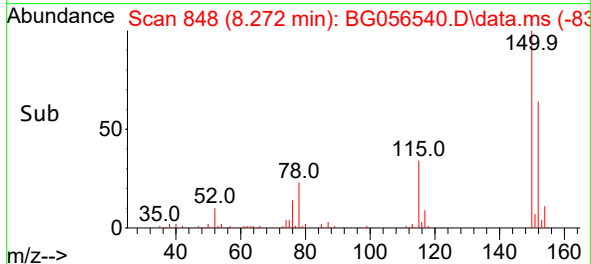
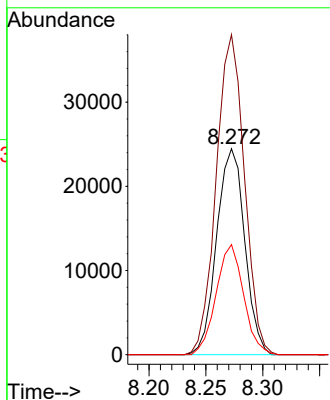
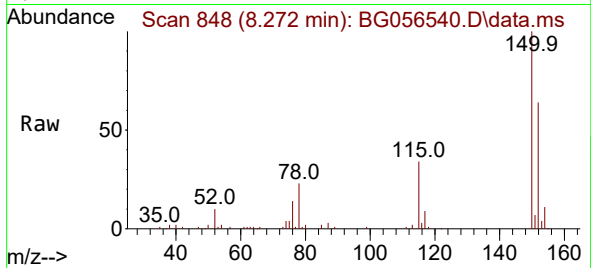




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

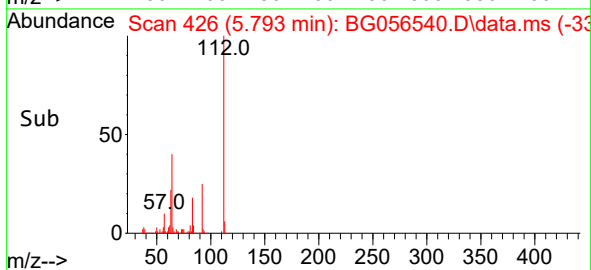
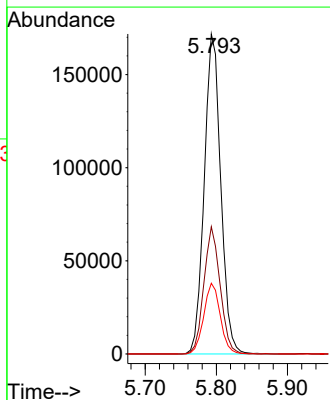
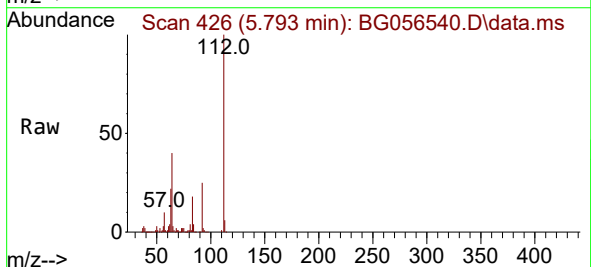
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201

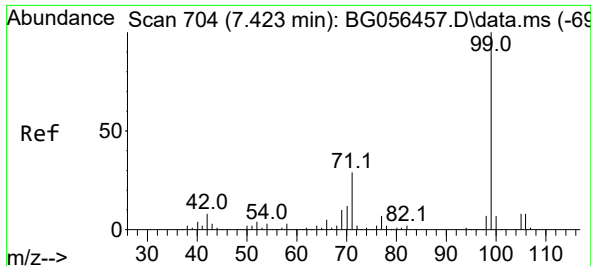
Tgt Ion:152 Resp: 41944
Ion Ratio Lower Upper
152 100
150 155.4 120.2 180.4
115 53.5 36.3 54.5



#5
2-Fluorophenol
Concen: 121.762 ng
RT: 5.793 min Scan# 426
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:112 Resp: 277628
Ion Ratio Lower Upper
112 100
64 39.7 31.9 47.9
63 22.1 17.4 26.0

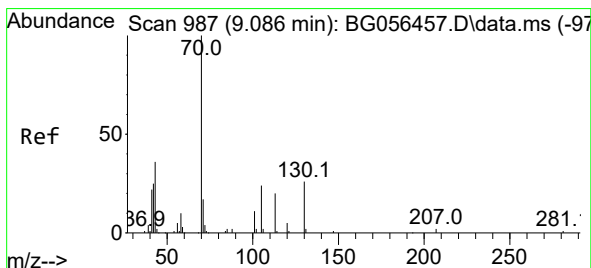
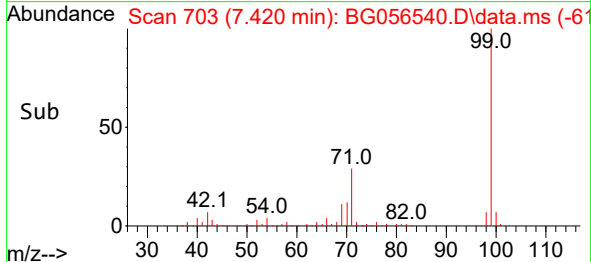
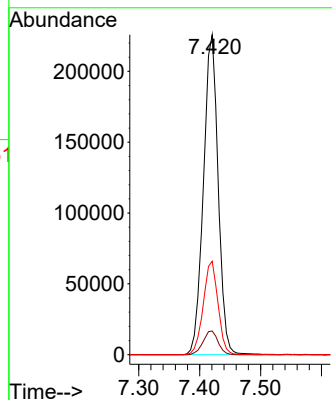
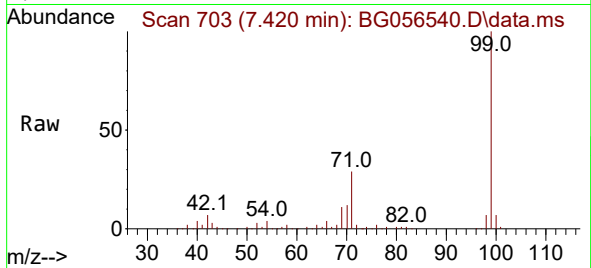




#7
Phenol-d6
Concen: 112.369 ng
RT: 7.420 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

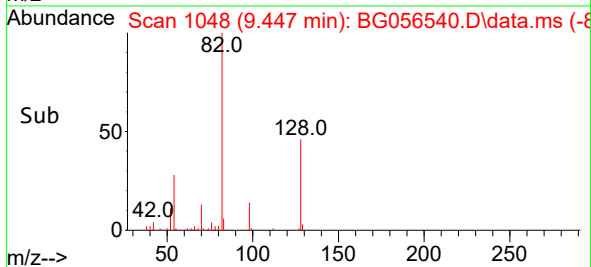
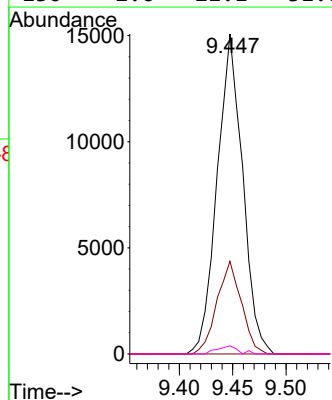
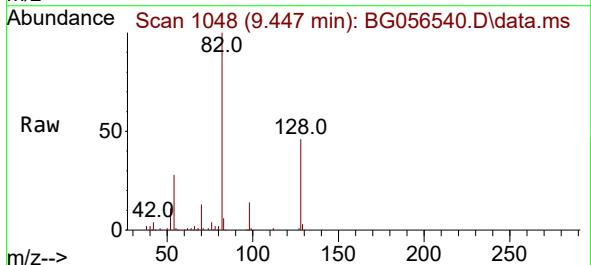
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201

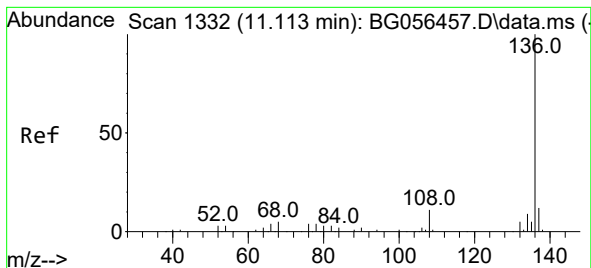
Tgt Ion: 99 Resp: 379619
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 29.2 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.833 ng
RT: 9.447 min Scan# 1048
Delta R.T. 0.367 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion: 70 Resp: 24985
Ion Ratio Lower Upper
70 100
42 29.0 20.2 30.4
101 0.0 9.1 13.7#
130 2.6 21.1 31.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG056540.D

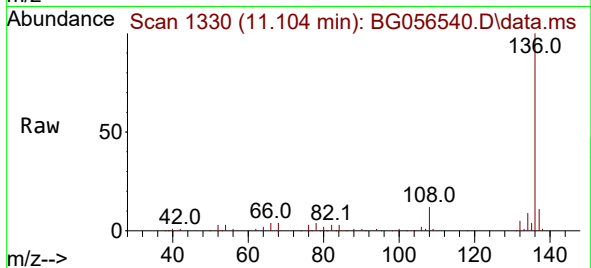
Acq: 3 Feb 2023 15:50

Instrument :

BNA_G

ClientSampleId :

NPHACK-SOIL-0201



Tgt Ion:136 Resp: 154949

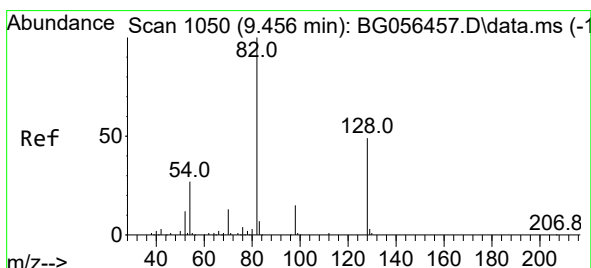
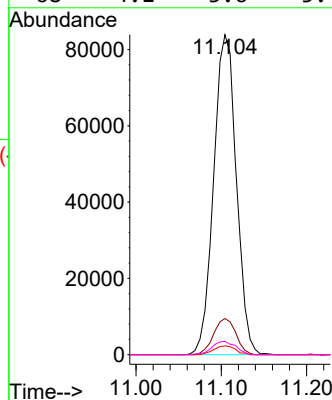
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 2.8 2.2 3.4

68 4.1 3.6 5.4



#23

Nitrobenzene-d5

Concen: 74.099 ng

RT: 9.447 min Scan# 1048

Delta R.T. -0.009 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

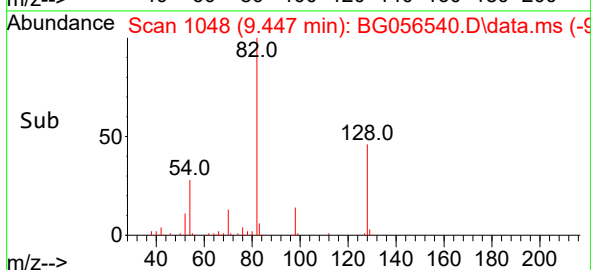
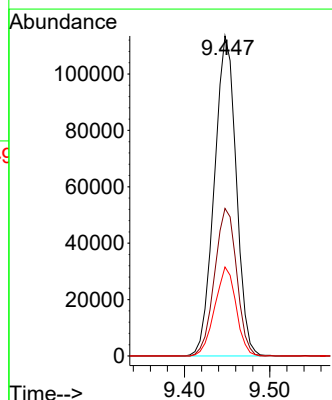
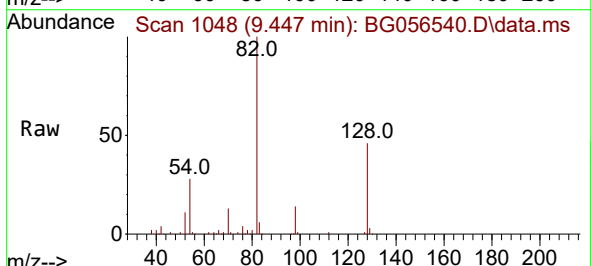
Tgt Ion: 82 Resp: 202195

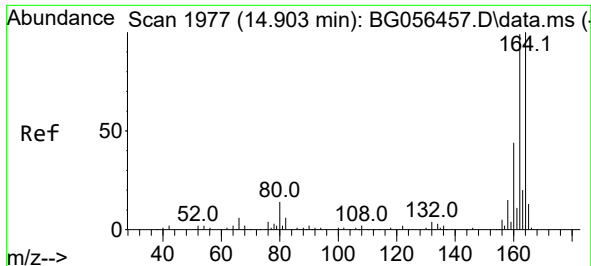
Ion Ratio Lower Upper

82 100

128 46.1 39.4 59.2

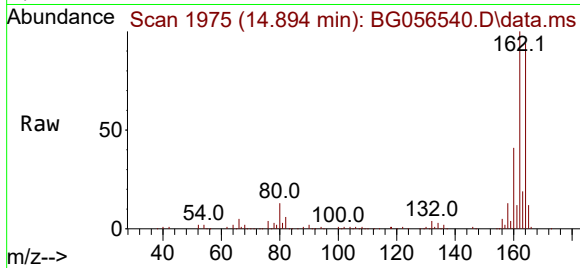
54 27.8 21.4 32.2



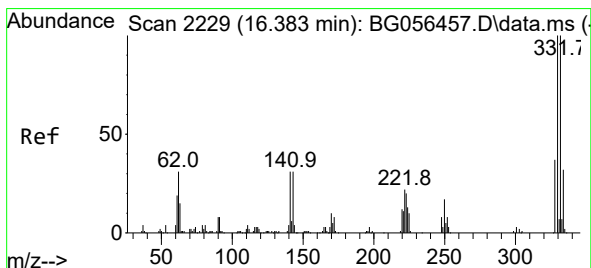
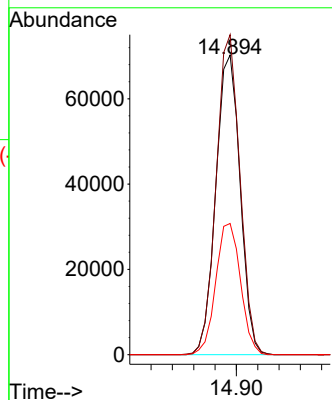
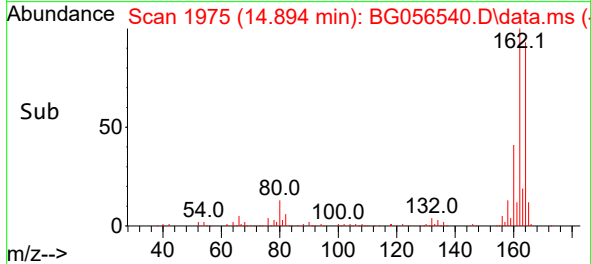


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

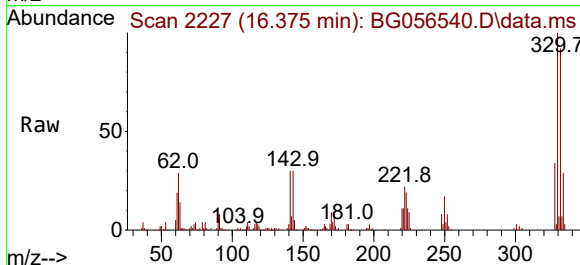
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201



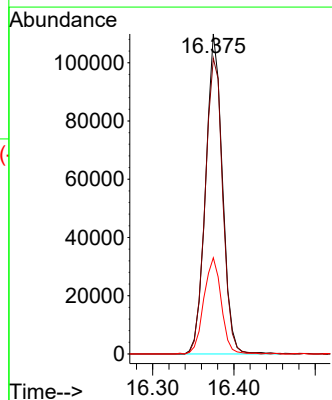
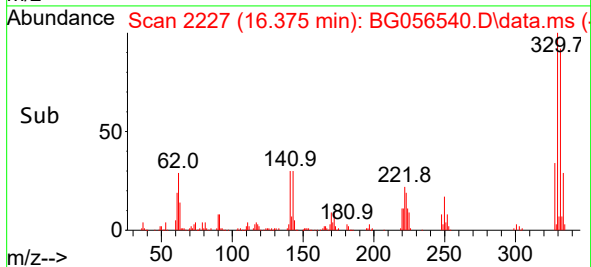
Tgt Ion:164 Resp: 110984
Ion Ratio Lower Upper
164 100
162 106.8 79.6 119.4
160 43.8 34.9 52.3

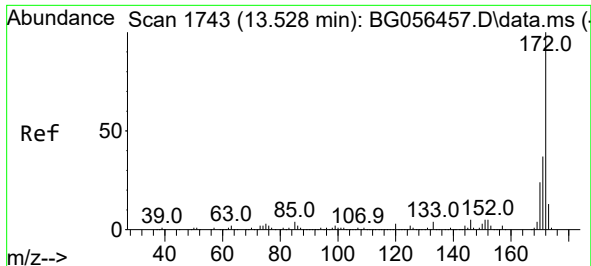


#42
2,4,6-Tribromophenol
Concen: 106.546 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50



Tgt Ion:330 Resp: 157205
Ion Ratio Lower Upper
330 100
332 96.6 79.0 118.6
141 31.3 24.2 36.4

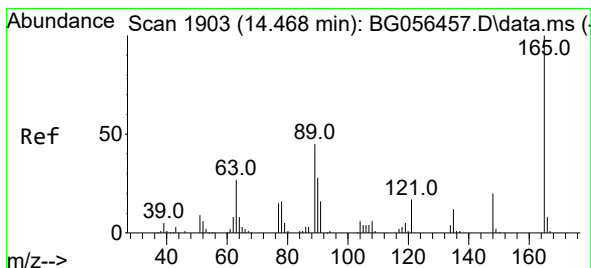
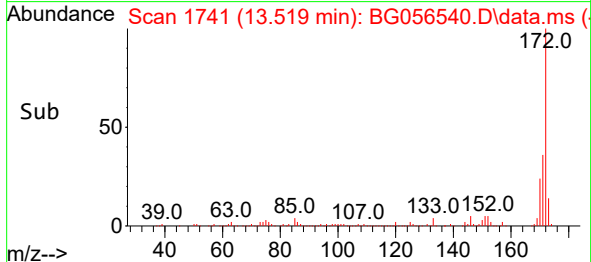
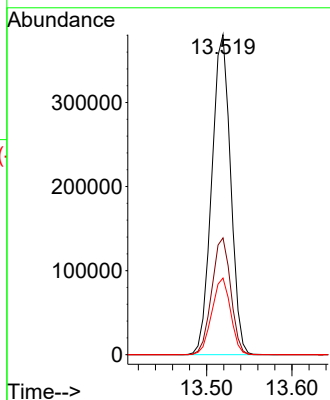
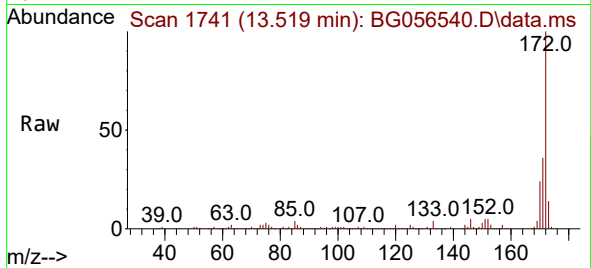




#45
2-Fluorobiphenyl
Concen: 72.962 ng
RT: 13.519 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

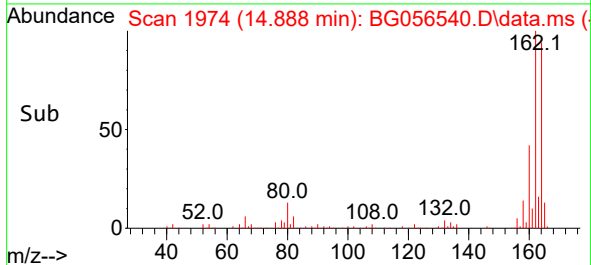
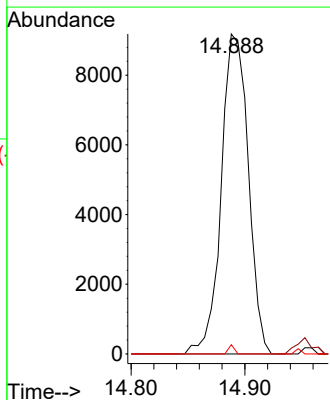
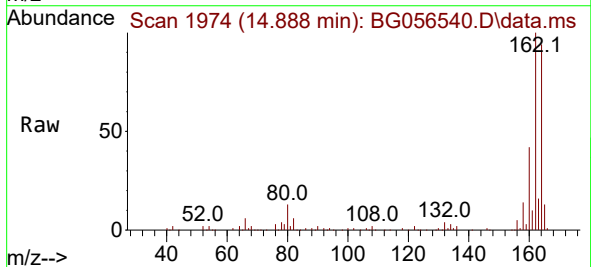
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ClientSampleId :
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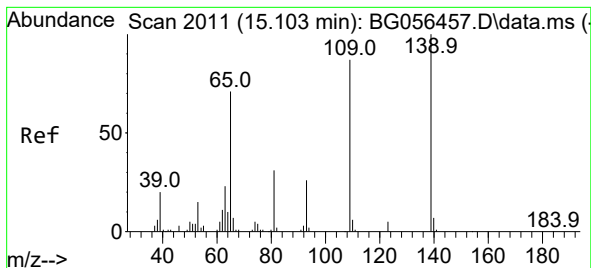
Tgt Ion:172 Resp: 584062
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 24.0 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.746 ng
RT: 14.888 min Scan# 1974
Delta R.T. 0.420 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:165 Resp: 15167
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 2.9 35.6 53.4#

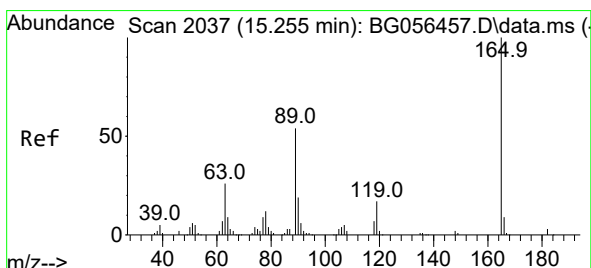
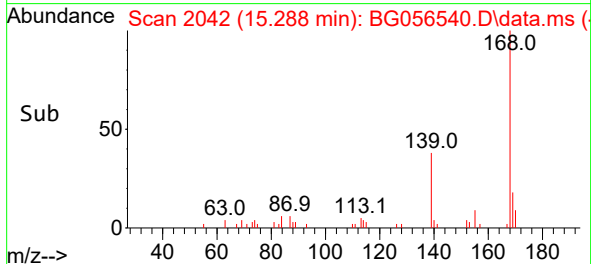
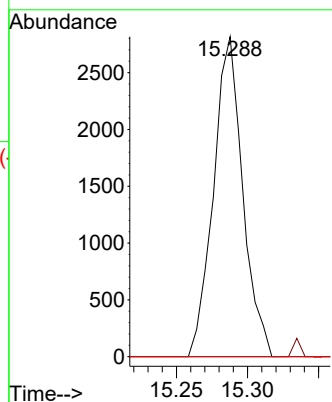
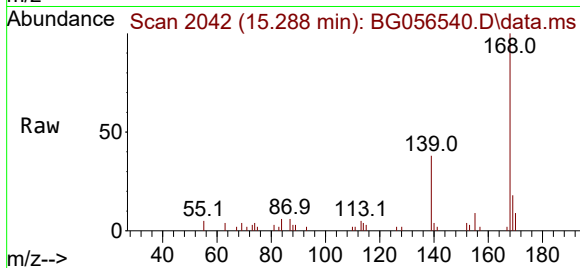




#56
4-Nitrophenol
Concen: 3.102 ng
RT: 15.288 min Scan# 2011
Delta R.T. 0.191 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

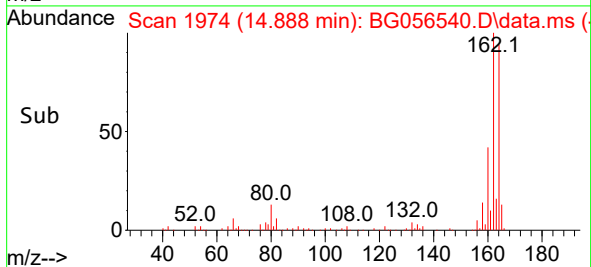
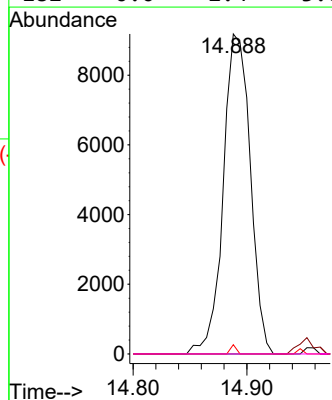
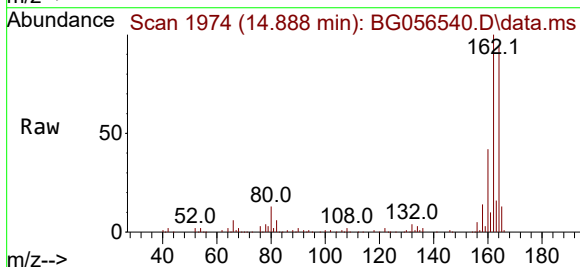
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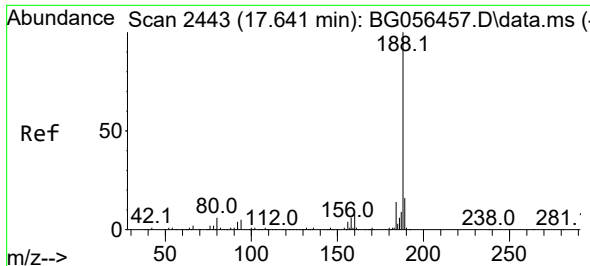
Tgt Ion:139 Resp: 4024
Ion Ratio Lower Upper
139 100
109 0.0 67.5 107.5#
65 0.0 50.7 90.7#



#57
2,4-Dinitrotoluene
Concen: 5.499 ng
RT: 14.888 min Scan# 1974
Delta R.T. -0.361 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:165 Resp: 15167
Ion Ratio Lower Upper
165 100
63 0.0 20.6 31.0#
89 2.9 43.1 64.7#
182 0.0 2.4 3.6#

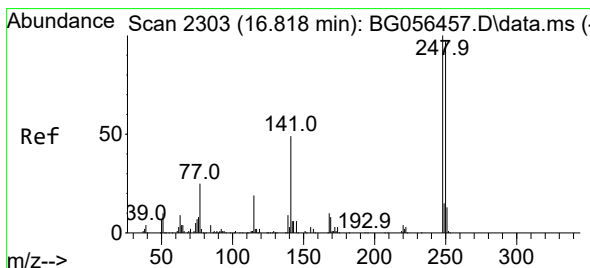
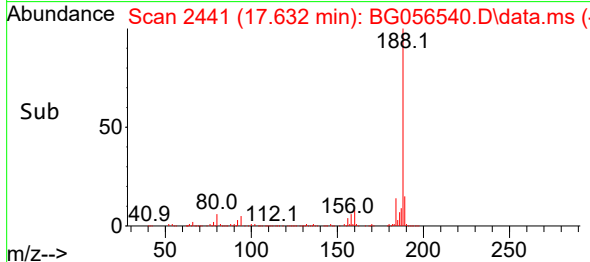
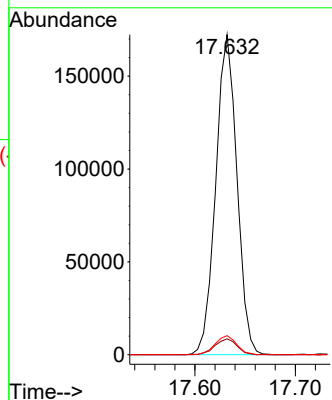
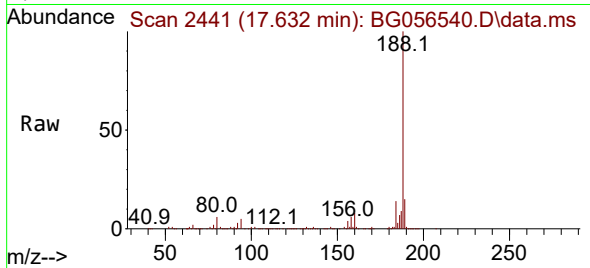




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

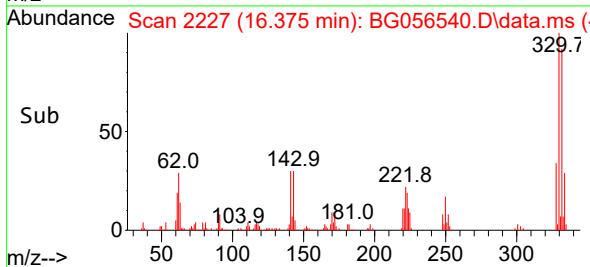
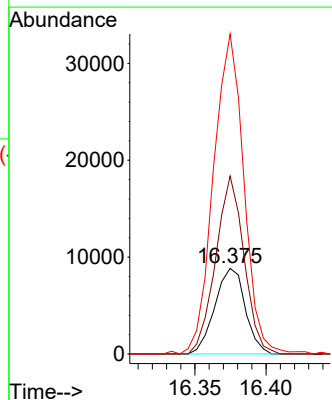
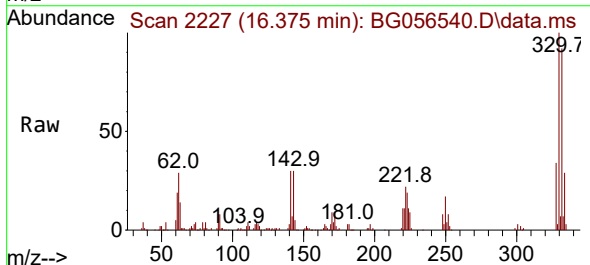
Instrument :
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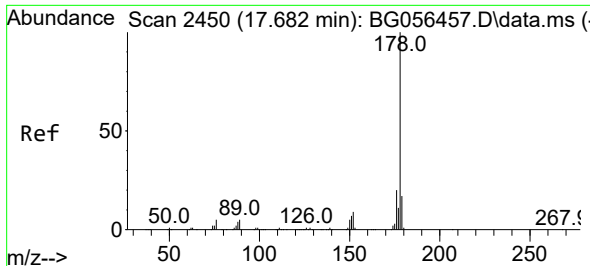
Tgt Ion:188 Resp: 252104
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 5.9 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 4.065 ng
RT: 16.375 min Scan# 2227
Delta R.T. -0.438 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:248 Resp: 13120
Ion Ratio Lower Upper
248 100
250 207.8 77.6 116.4#
141 373.8 39.0 58.4#

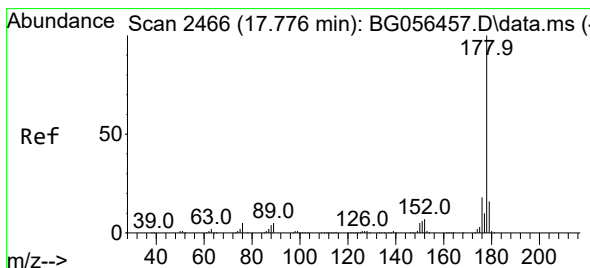
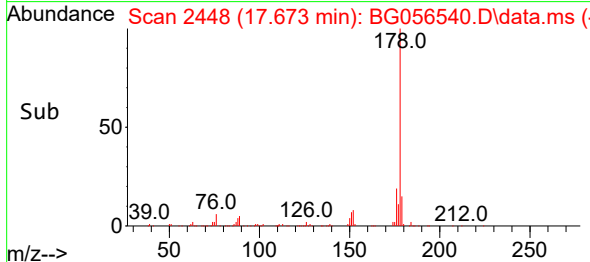
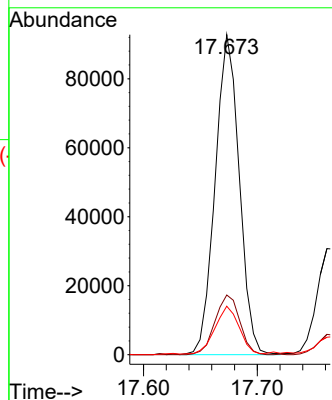
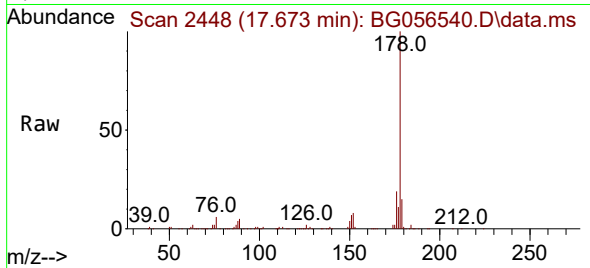




#71
Phenanthrene
Concen: 10.358 ng
RT: 17.673 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

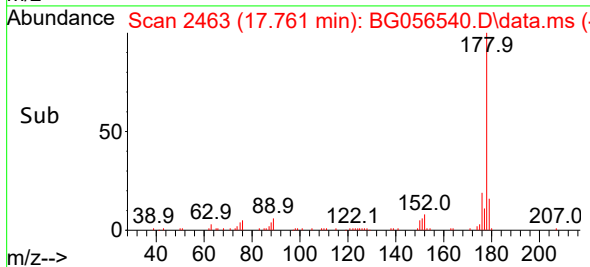
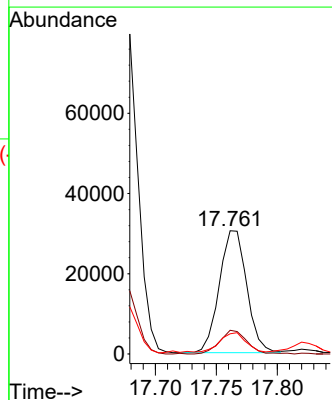
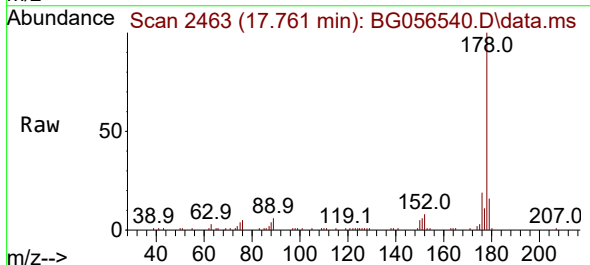
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201

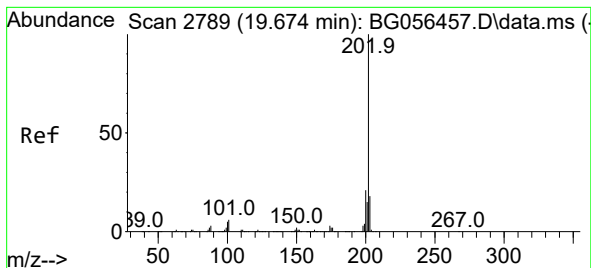
Tgt Ion:178 Resp: 136669
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 13.3 19.9



#72
Anthracene
Concen: 3.523 ng
RT: 17.761 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:178 Resp: 47721
Ion Ratio Lower Upper
178 100
176 19.2 14.5 21.7
179 16.4 12.5 18.7





#75

Fluoranthene

Concen: 17.799 ng

RT: 19.665 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

Instrument :

BNA_G

ClientSampleId :

NPHACK-SOIL-0201

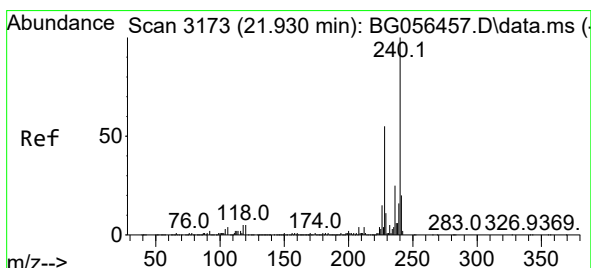
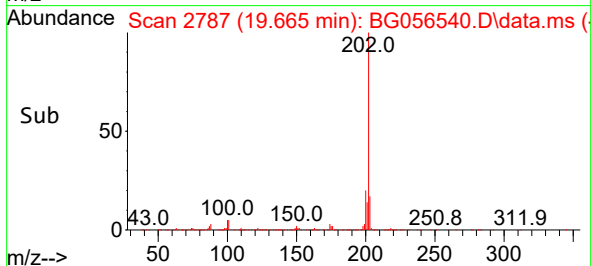
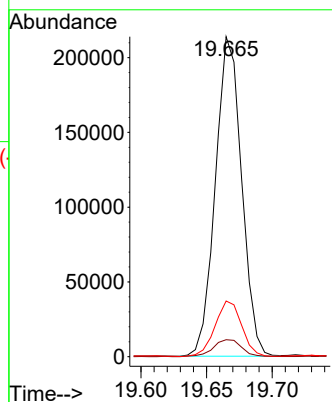
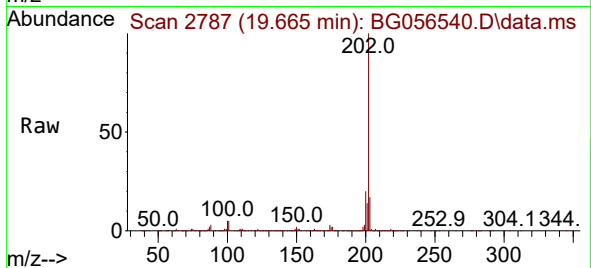
Tgt Ion:202 Resp: 296413

Ion Ratio Lower Upper

202 100

101 5.3 0.0 25.6

203 17.4 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.921 min Scan# 3171

Delta R.T. -0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

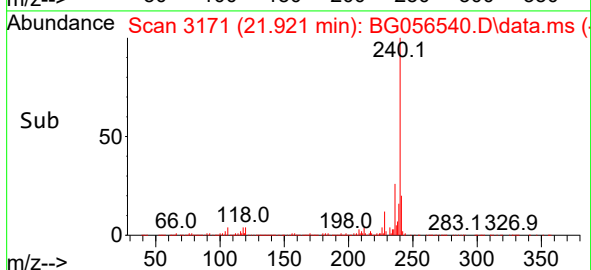
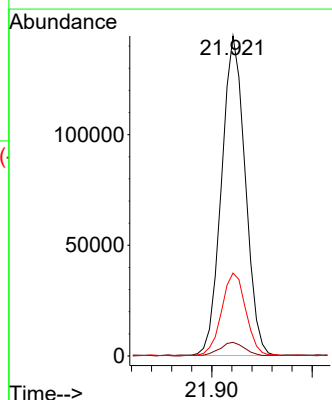
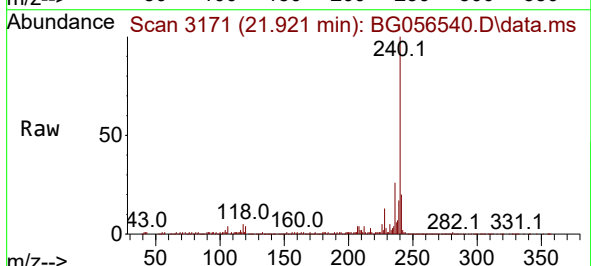
Tgt Ion:240 Resp: 235499

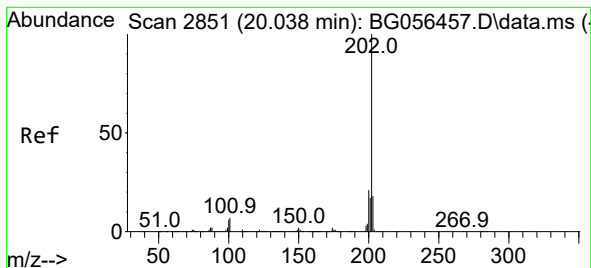
Ion Ratio Lower Upper

240 100

120 4.2 3.8 5.8

236 25.9 20.2 30.2





#78

Pyrene

Concen: 16.205 ng

RT: 20.029 min Scan# 2849

Delta R.T. -0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

Instrument :

BNA_G

ClientSampleId :

NPHACK-SOIL-0201

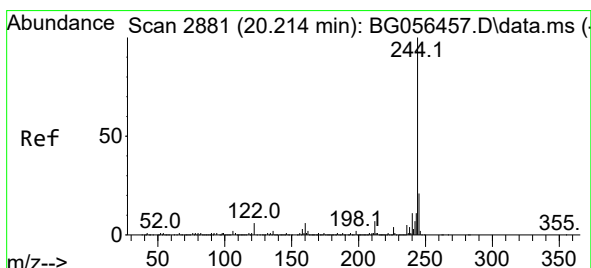
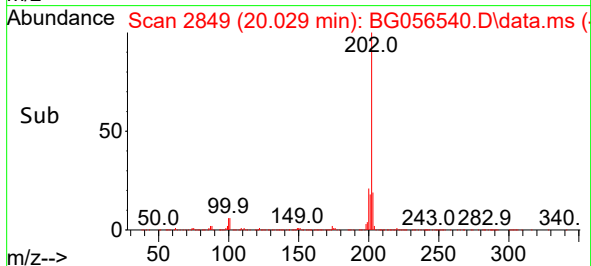
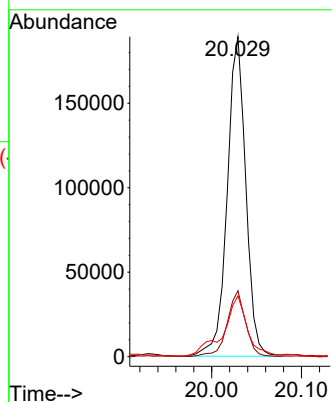
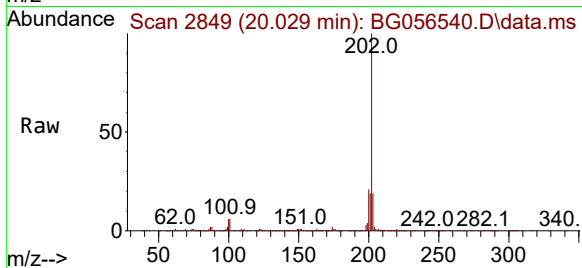
Tgt Ion:202 Resp: 271423

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 19.0 14.4 21.6



#79

Terphenyl-d14

Concen: 65.566 ng

RT: 20.211 min Scan# 2880

Delta R.T. 0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

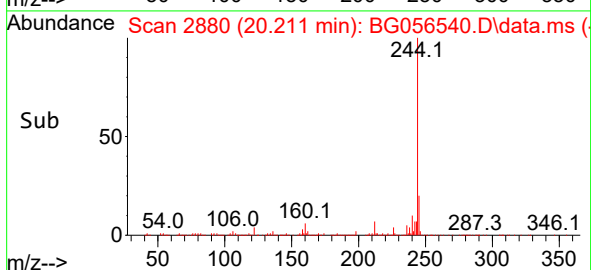
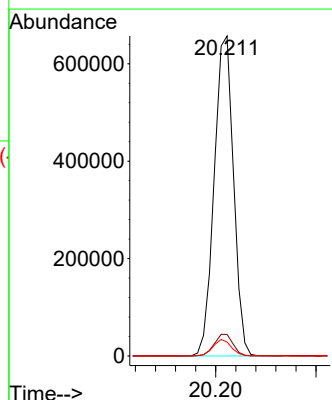
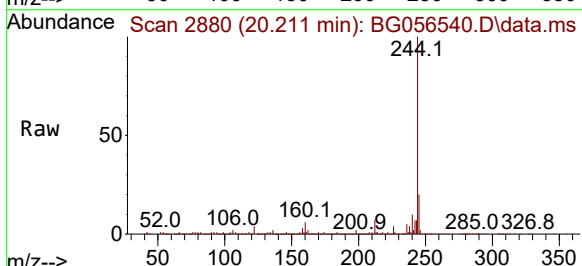
Tgt Ion:244 Resp: 879131

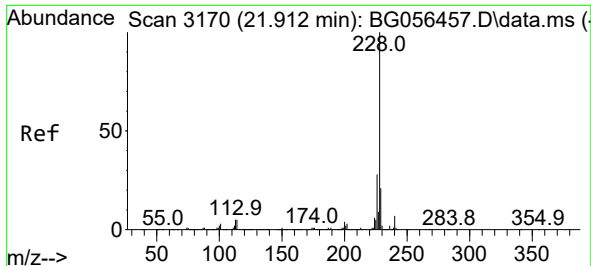
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 4.4 4.4 6.6#

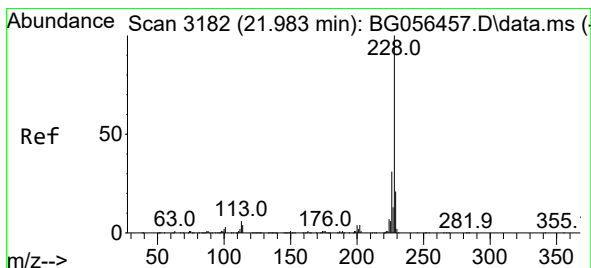
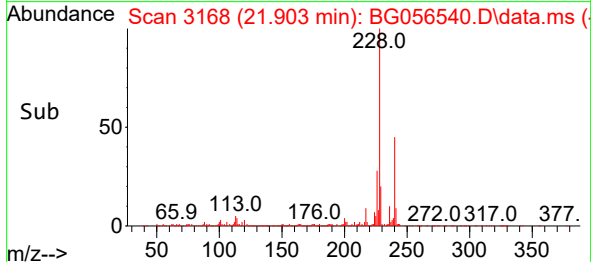
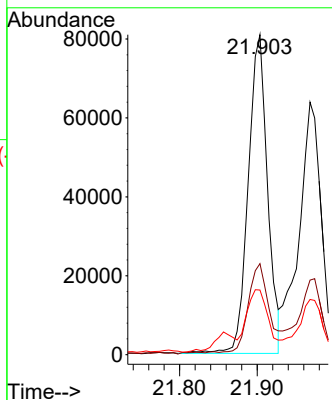
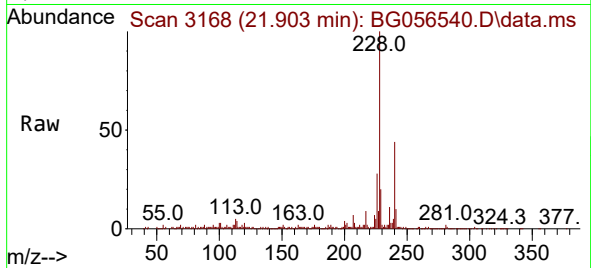




#81
Benzo(a)anthracene
Concen: 8.477 ng
RT: 21.903 min Scan# 3170
Delta R.T. 0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

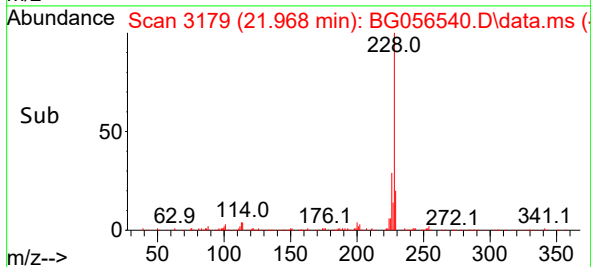
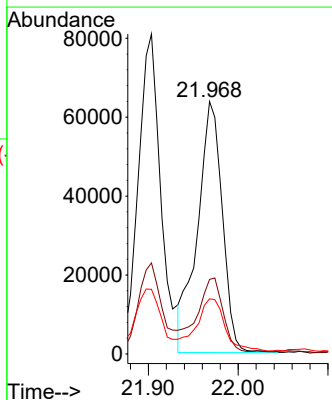
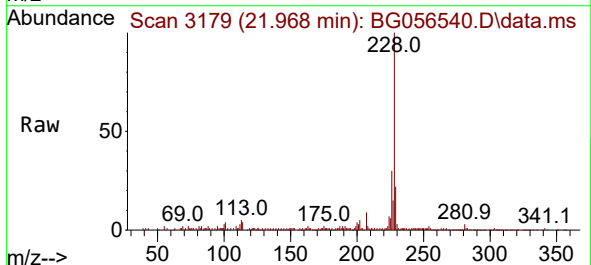
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201

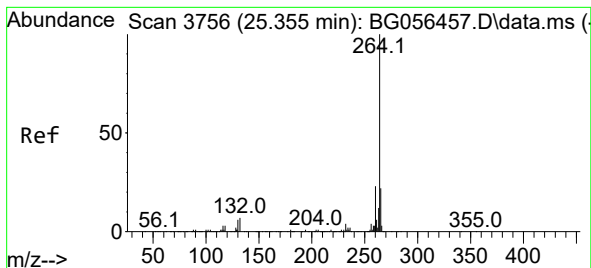
Tgt Ion:228 Resp: 139566
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 20.2 16.5 24.7



#83
Chrysene
Concen: 7.929 ng
RT: 21.968 min Scan# 3179
Delta R.T. -0.009 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:228 Resp: 122638
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.4
229 21.9 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.346 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

Instrument :

BNA_G

ClientSampleId :

NPHACK-SOIL-0201

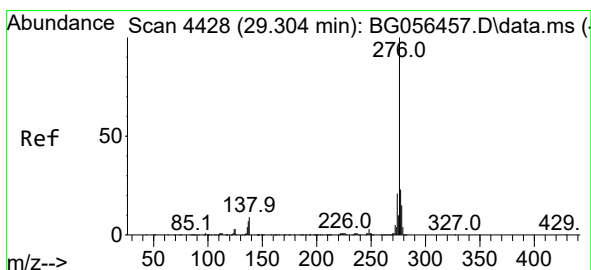
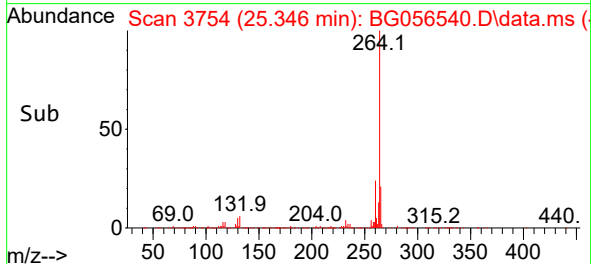
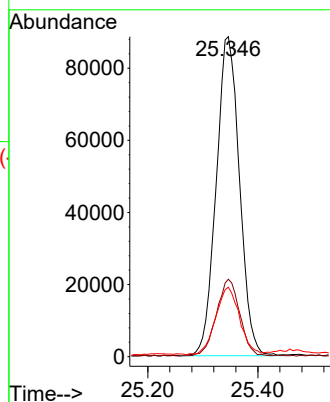
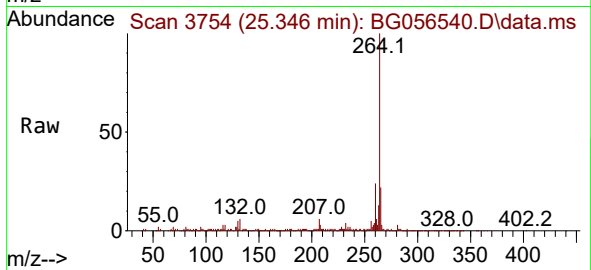
Tgt Ion:264 Resp: 260016

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 21.7 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.496 ng

RT: 29.289 min Scan# 4425

Delta R.T. 0.009 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

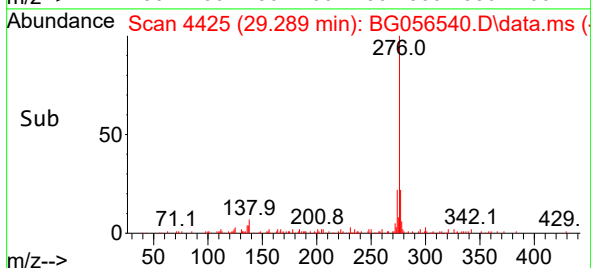
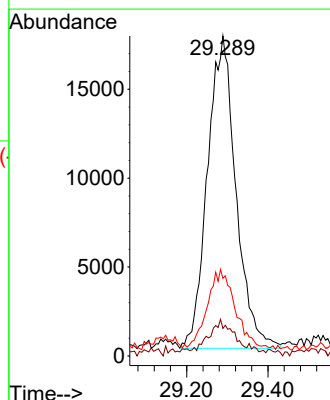
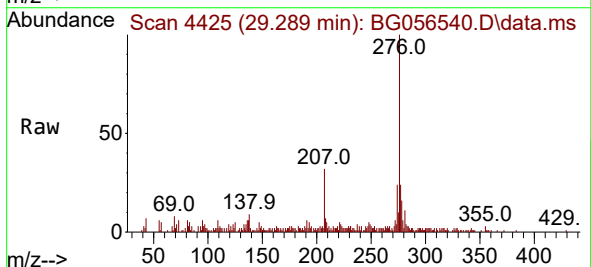
Tgt Ion:276 Resp: 85569

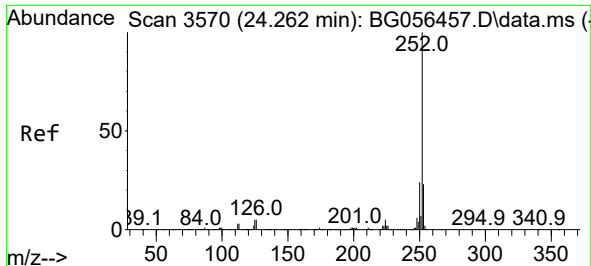
Ion Ratio Lower Upper

276 100

138 7.3 9.4 14.2#

277 23.7 20.3 30.5

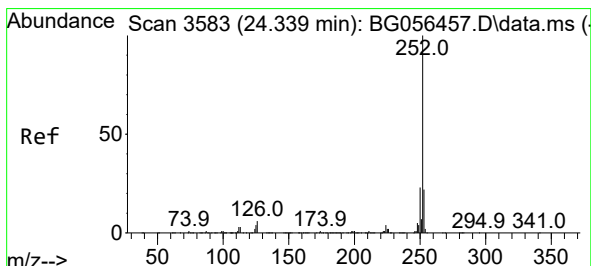
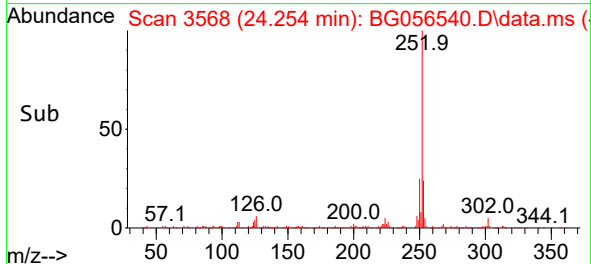
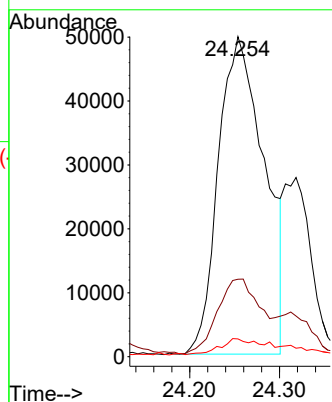
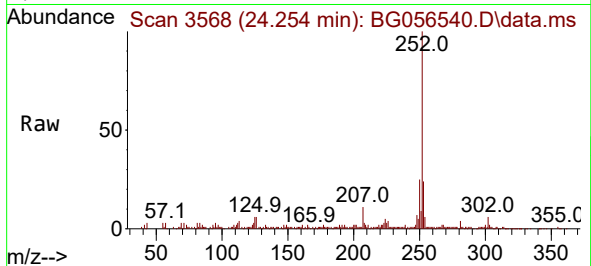




#88
Benzo(b)fluoranthene
Concen: 10.971 ng
RT: 24.254 min Scan# 3568
Delta R.T. 0.003 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

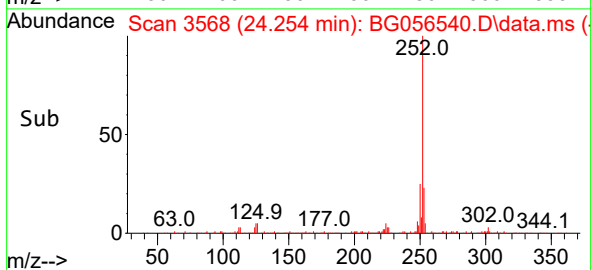
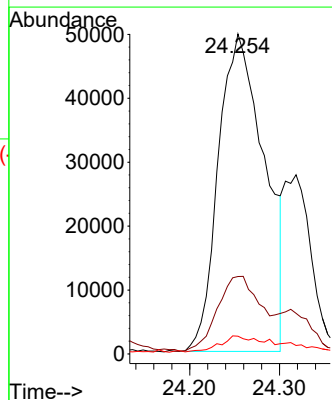
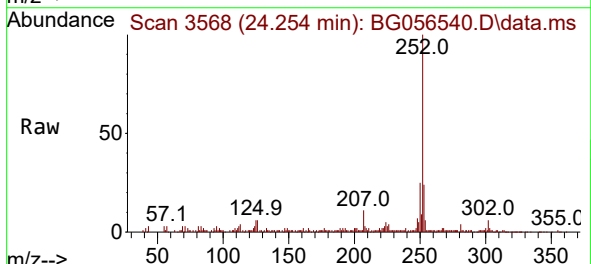
Instrument :
BNA_G
ClientSampleId :
NPHACK-SOIL-0201

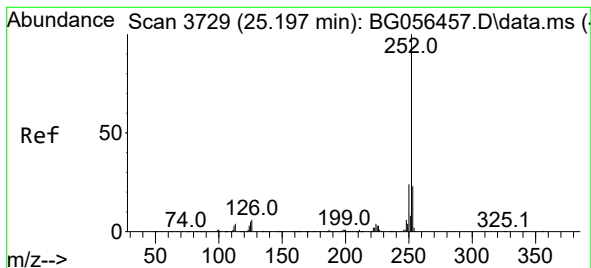
Tgt Ion:252 Resp: 177059
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 5.5 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 10.866 ng
RT: 24.254 min Scan# 3568
Delta R.T. -0.068 min
Lab File: BG056540.D
Acq: 3 Feb 2023 15:50

Tgt Ion:252 Resp: 177059
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 5.5 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 8.627 ng

RT: 25.182 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

Instrument :

BNA_G

ClientSampleId :

NPHACK-SOIL-0201

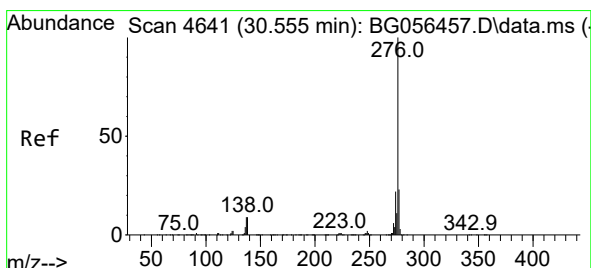
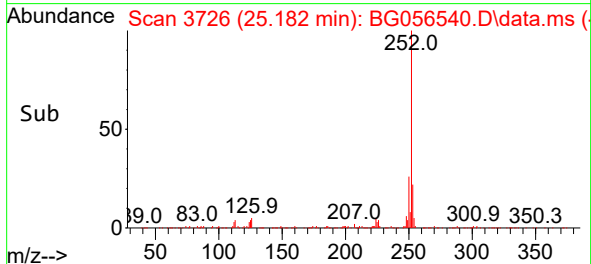
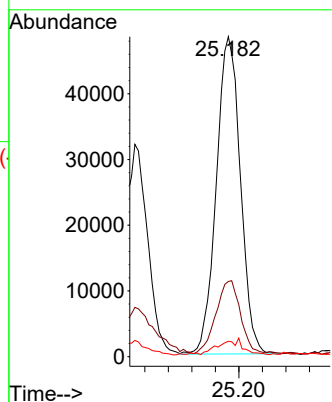
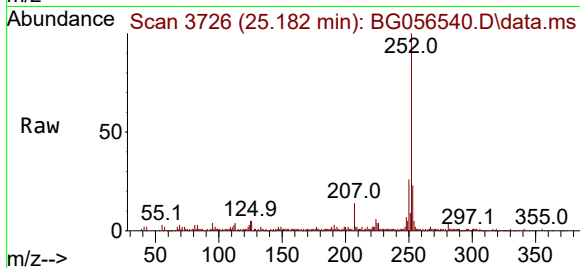
Tgt Ion:252 Resp: 137151

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

125 4.8 4.1 6.1



#92

Benzo(g,h,i)perylene

Concen: 5.231 ng

RT: 30.535 min Scan# 4637

Delta R.T. 0.009 min

Lab File: BG056540.D

Acq: 3 Feb 2023 15:50

Tgt Ion:276 Resp: 80637

Ion Ratio Lower Upper

276 100

277 25.4 18.5 27.7

138 8.5 7.4 11.0

