

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056561.D
 Acq On : 6 Feb 2023 19:08
 Operator : CG/JU
 Sample : 01403-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NPWAYNE-SOIL-0201DL

Quant Time: Feb 07 04:35:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

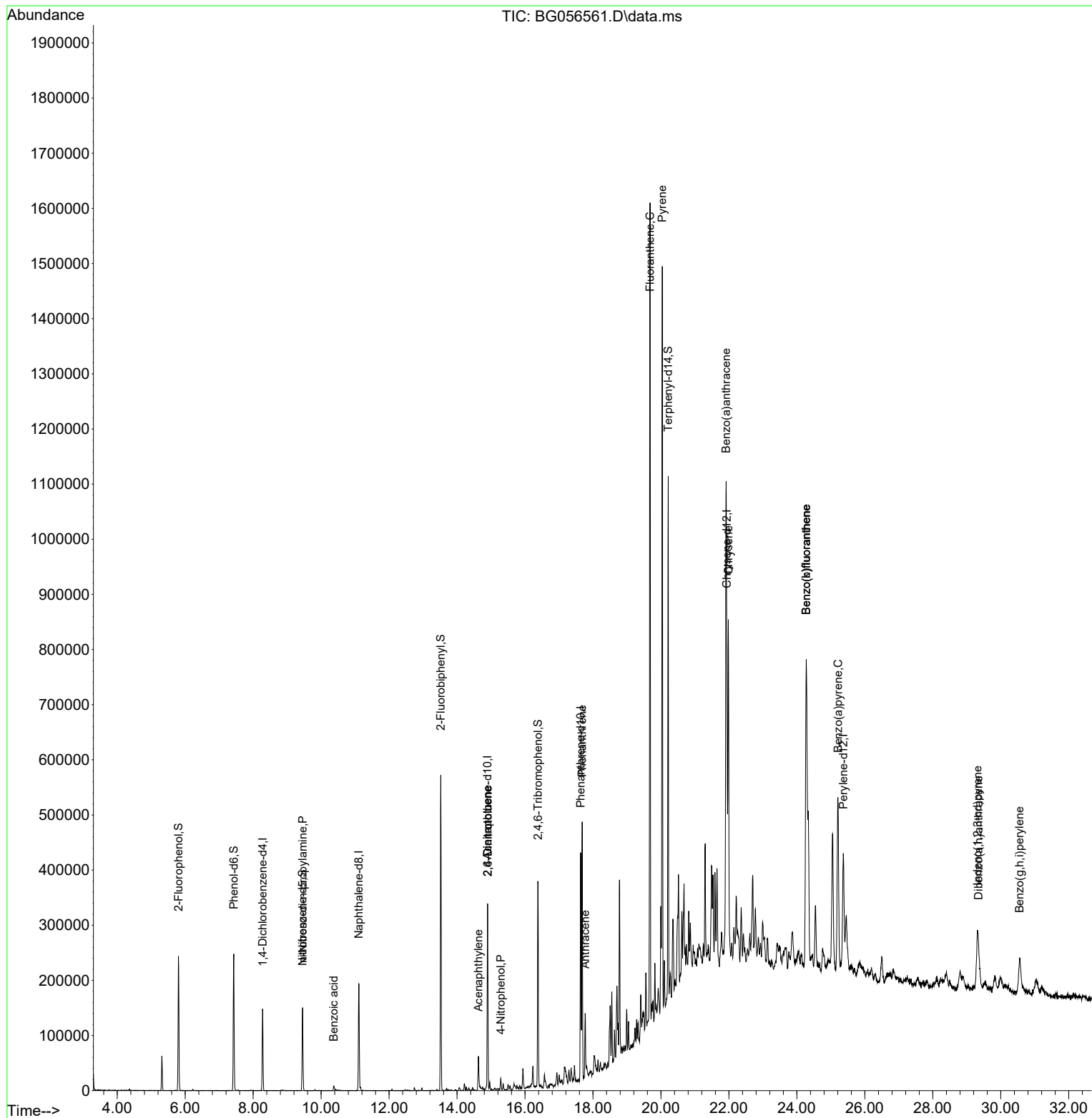
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.280	152	51191	20.000	ng	# 0.00
21) Naphthalene-d8	11.106	136	184976	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	129395	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	288764	20.000	ng	0.00
76) Chrysene-d12	21.934	240	262777	20.000	ng	0.00
86) Perylene-d12	25.365	264	282573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	144942	52.086	ng	0.01
7) Phenol-d6	7.428	99	199543	48.396	ng	0.01
23) Nitrobenzene-d5	9.449	82	107178	32.902	ng	0.00
42) 2,4,6-Tribromophenol	16.382	330	80783	46.961	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	325101	34.834	ng	0.00
79) Terphenyl-d14	20.213	244	471115	31.489	ng	0.00
Target Compounds						
9) Benzaldehyde	7.416	77	1059	Below Cal		Qvalue # 52
19) n-Nitroso-di-n-propyla...	9.455	70	13079	5.504	ng	# 73
32) Benzoic acid	10.371	122	5304	2.971	ng	97
49) Acenaphthylene	14.625	152	73456	6.155	ng	98
51) 2,6-Dinitrotoluene	14.901	165	18070	7.915	ng	# 37
56) 4-Nitrophenol	15.289	139	3097	2.048	ng	# 15
57) 2,4-Dinitrotoluene	14.901	165	18070	5.619	ng	# 36
71) Phenanthrene	17.680	178	318757	21.091	ng	98
72) Anthracene	17.768	178	88164	5.683	ng	99
75) Fluoranthene	19.678	202	1047222	54.901	ng	99
78) Pyrene	20.036	202	893325	47.799	ng	99
81) Benzo(a)anthracene	21.911	228	566603	30.842	ng	99
83) Chrysene	21.981	228	525966	30.474	ng	98
87) Indeno(1,2,3-cd)pyrene	29.314	276	232667	11.248	ng	# 87
88) Benzo(b)fluoranthene	24.273	252	800082	45.617	ng	99
89) Benzo(k)fluoranthene	24.273	252	800082	45.182	ng	98
90) Benzo(a)pyrene	25.207	252	424990	24.599	ng	98
91) Dibenzo(a,h)anthracene	29.343	278	35051	2.019	ng	# 89
92) Benzo(g,h,i)perylene	30.553	276	175442	10.472	ng	97

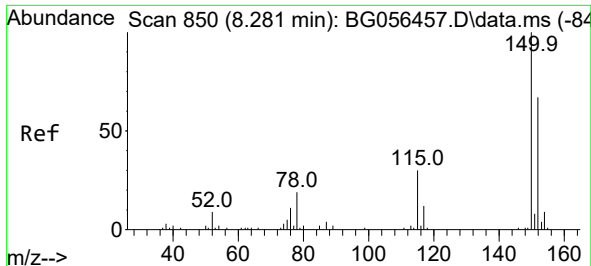
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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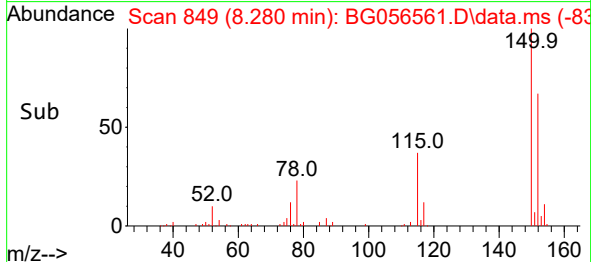
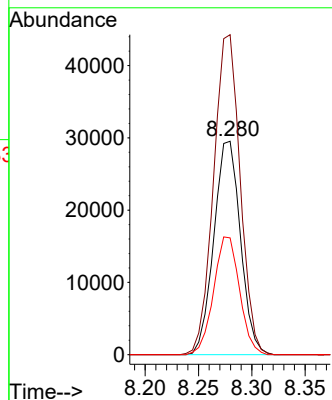
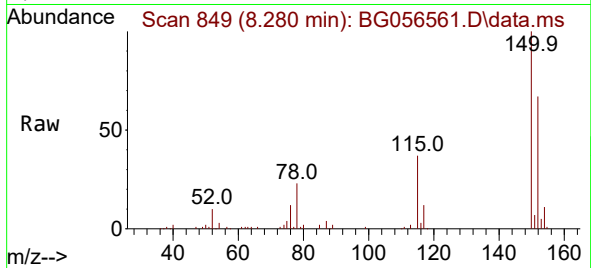




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.280 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

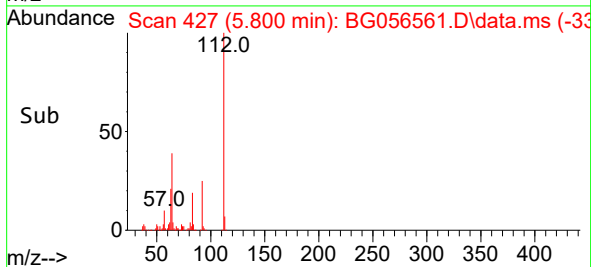
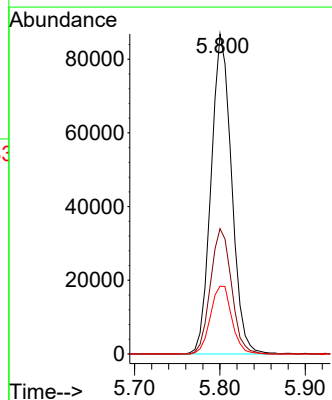
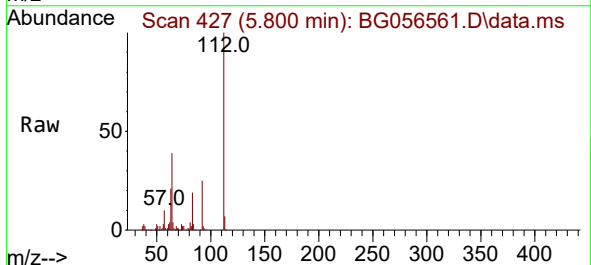
Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

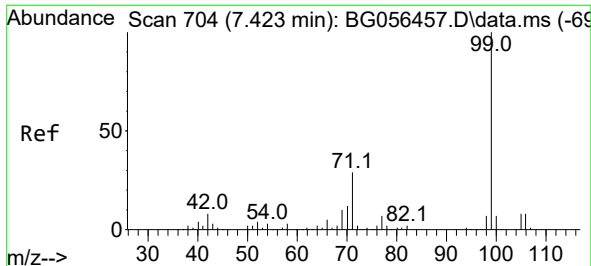
Tgt Ion:152 Resp: 51191
Ion Ratio Lower Upper
152 100
150 149.9 120.2 180.4
115 54.7 36.3 54.5#



#5
2-Fluorophenol
Concen: 52.086 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.010 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:112 Resp: 144942
Ion Ratio Lower Upper
112 100
64 39.1 31.9 47.9
63 21.2 17.4 26.0

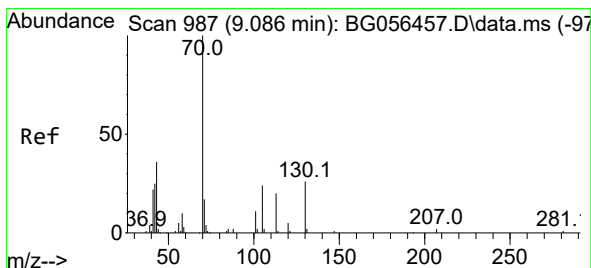
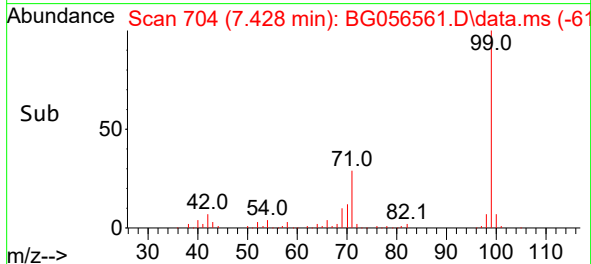
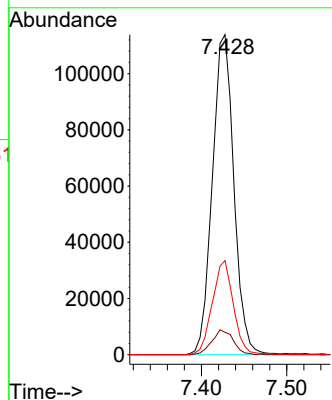
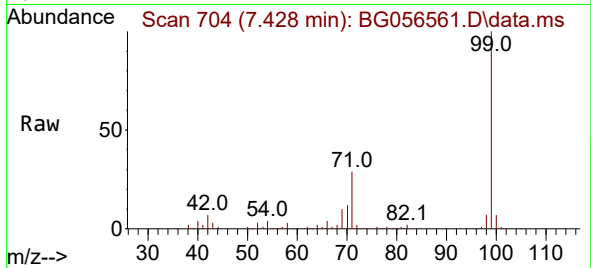




#7
Phenol-d6
Concen: 48.396 ng
RT: 7.428 min Scan# 704
Delta R.T. 0.010 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

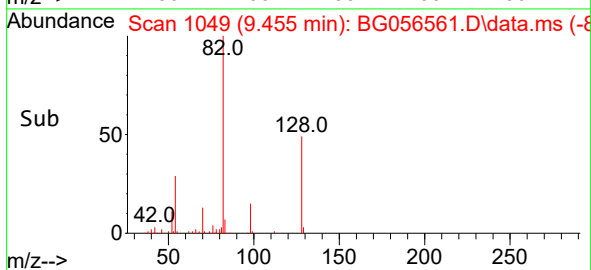
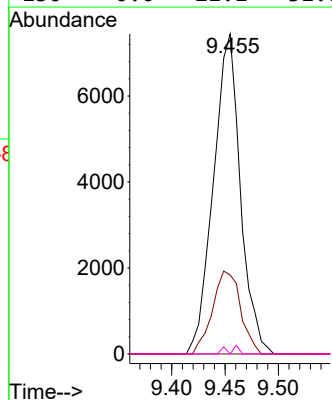
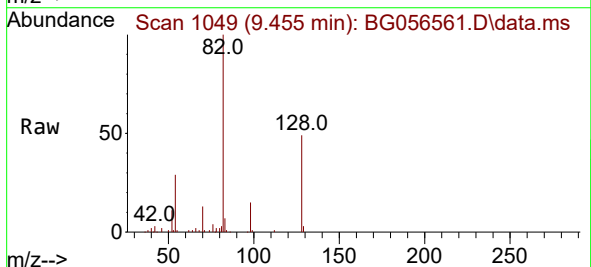
Instrument :
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ClientSampleId :
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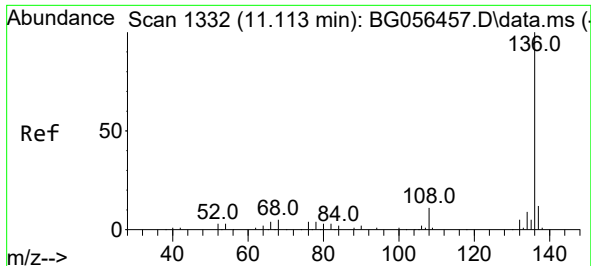
Tgt Ion: 99 Resp: 199543
Ion Ratio Lower Upper
99 100
42 7.0 6.6 10.0
71 29.4 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.504 ng
RT: 9.455 min Scan# 1049
Delta R.T. 0.380 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

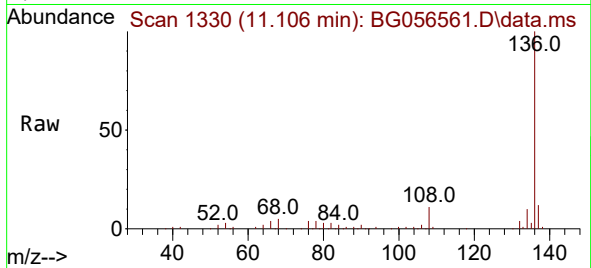
Tgt Ion: 70 Resp: 13079
Ion Ratio Lower Upper
70 100
42 24.7 20.2 30.4
101 0.0 9.1 13.7#
130 0.0 21.1 31.7#



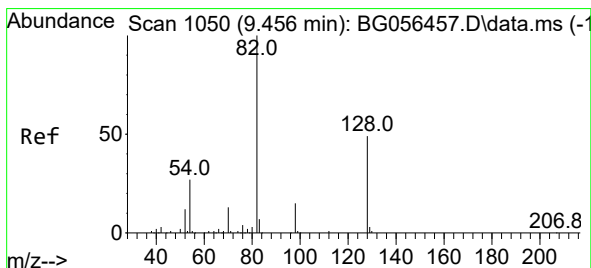
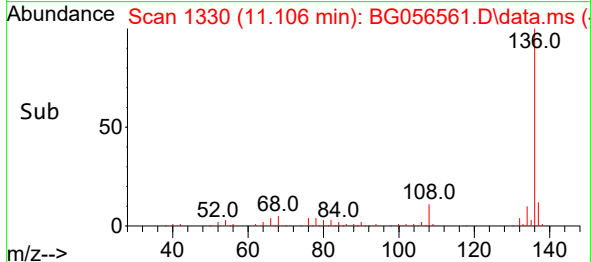
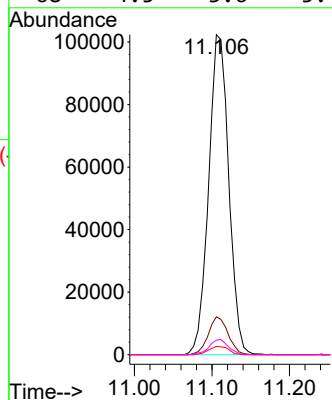


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.106 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

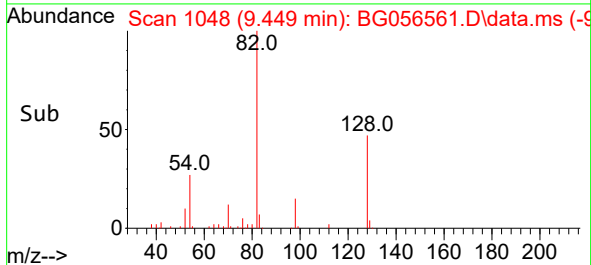
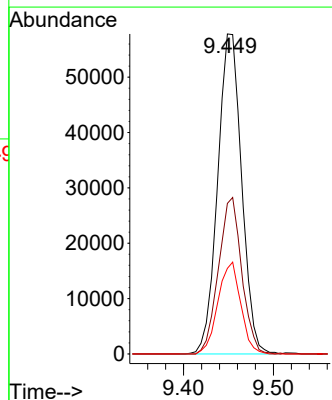
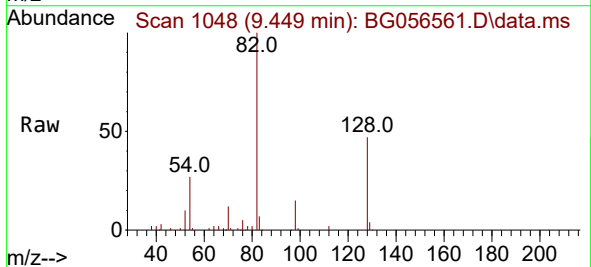


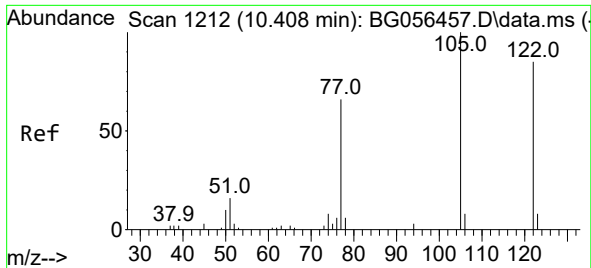
Tgt Ion:136 Resp: 184976
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.6 2.2 3.4
68 4.5 3.6 5.4



#23
Nitrobenzene-d5
Concen: 32.902 ng
RT: 9.449 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion: 82 Resp: 107178
Ion Ratio Lower Upper
82 100
128 47.1 39.4 59.2
54 26.7 21.4 32.2

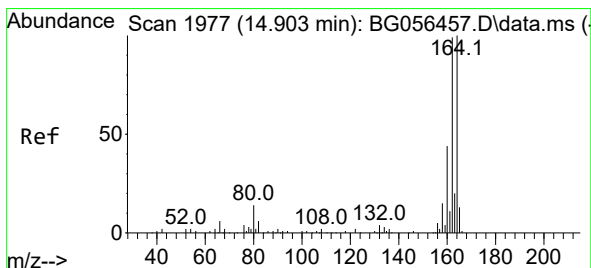
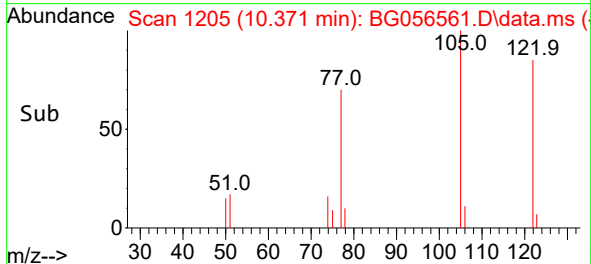
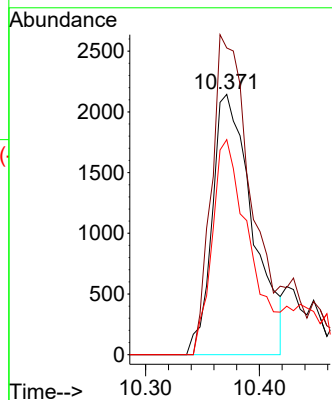
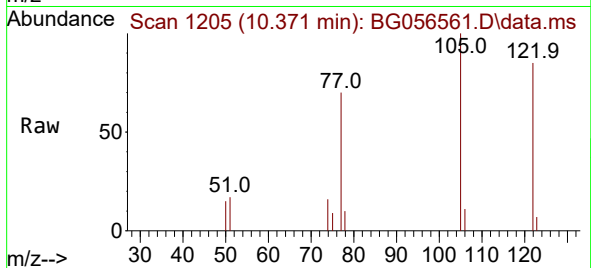




#32
Benzoic acid
Concen: 2.971 ng
RT: 10.371 min Scan# 11
Delta R.T. -0.037 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

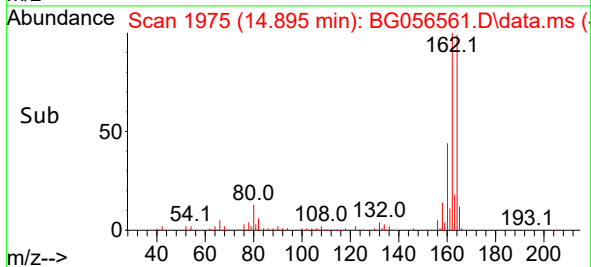
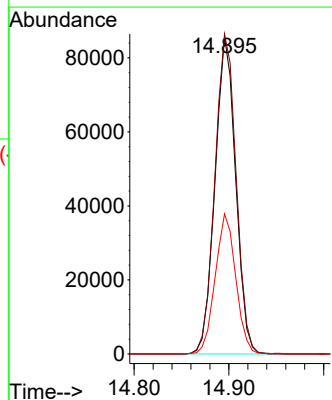
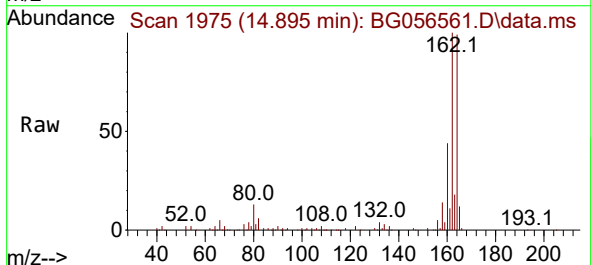
Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

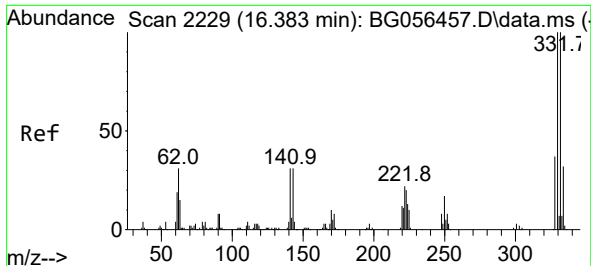
Tgt Ion:122 Resp: 5304
Ion Ratio Lower Upper
122 100
105 117.8 96.5 136.5
77 82.6 57.3 97.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:164 Resp: 129395
Ion Ratio Lower Upper
164 100
162 100.8 79.6 119.4
160 44.1 34.9 52.3

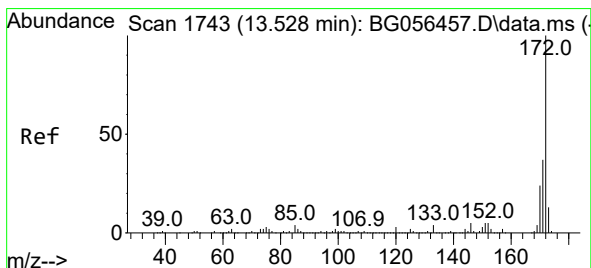
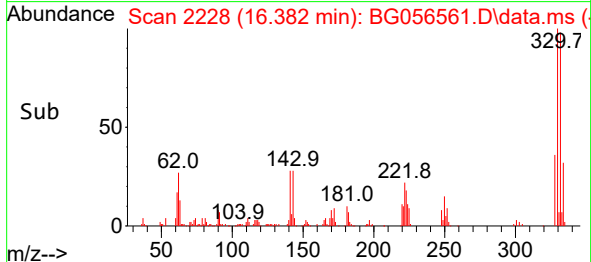
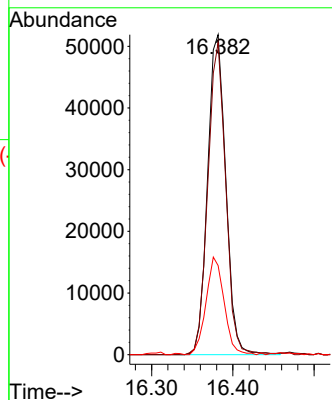
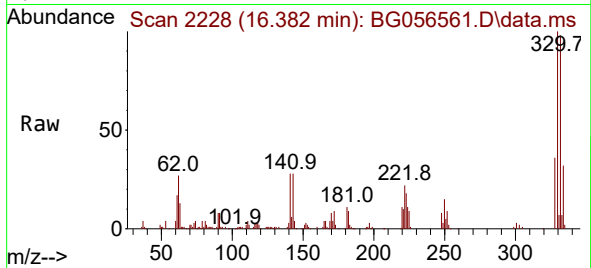




#42
2,4,6-Tribromophenol
Concen: 46.961 ng
RT: 16.382 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

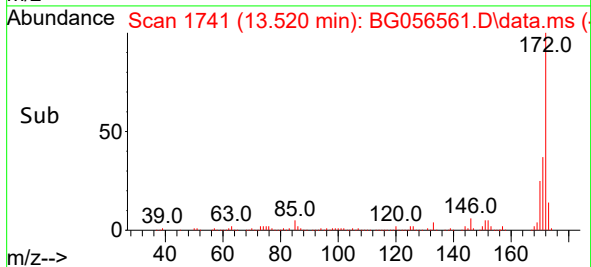
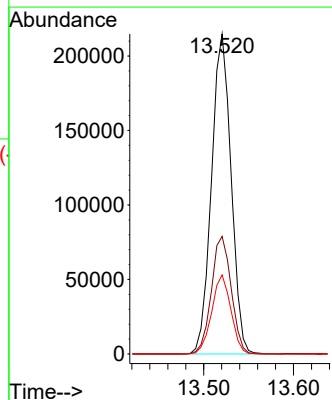
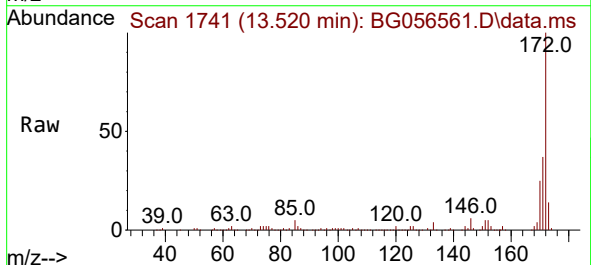
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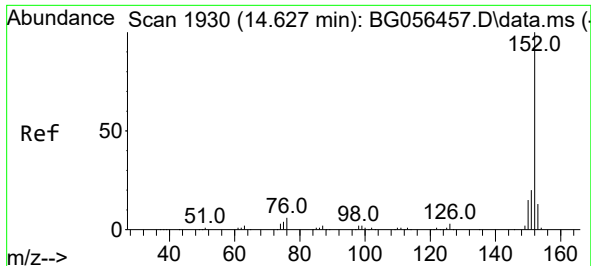
Tgt Ion:330 Resp: 80783
Ion Ratio Lower Upper
330 100
332 95.6 79.0 118.6
141 30.2 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 34.834 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:172 Resp: 325101
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 24.7 19.2 28.8

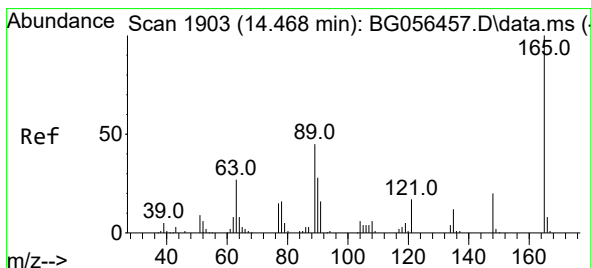
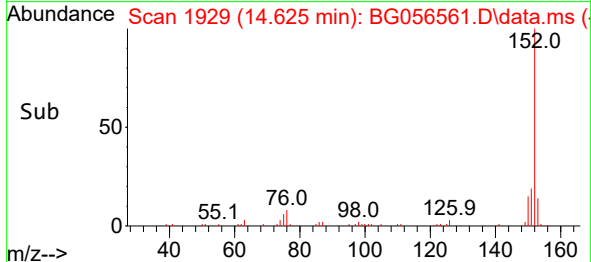
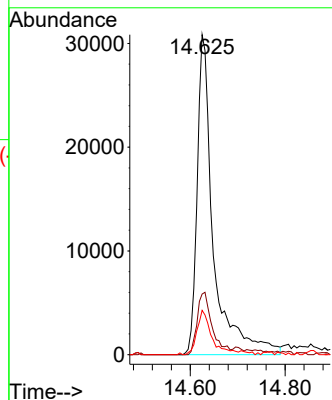
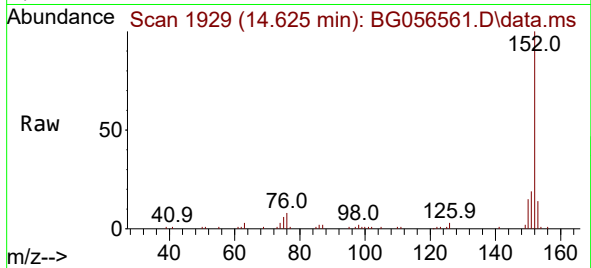




#49
Acenaphthylene
Concen: 6.155 ng
RT: 14.625 min Scan# 1930
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

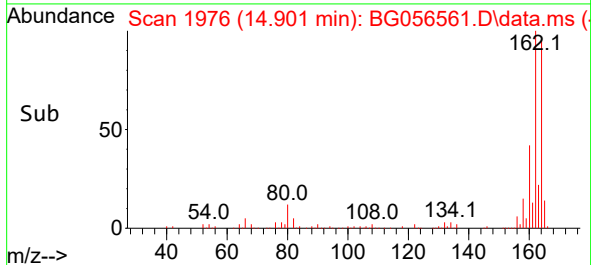
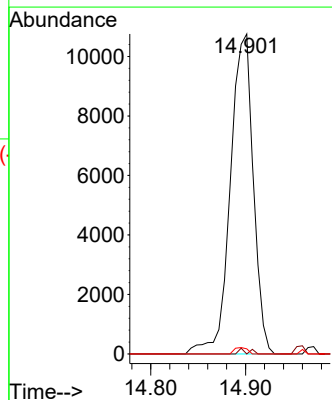
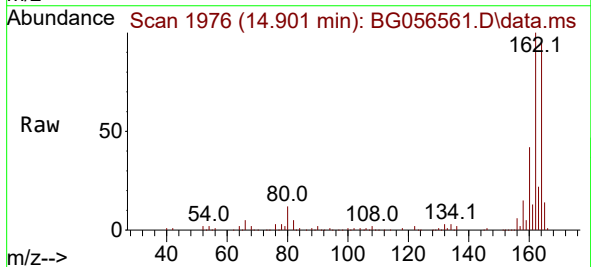
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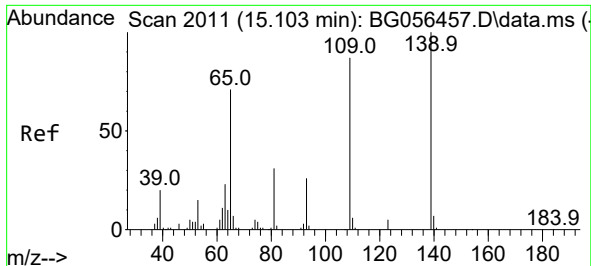
Tgt Ion:152 Resp: 73456
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 13.9 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 7.915 ng
RT: 14.901 min Scan# 1976
Delta R.T. 0.433 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:165 Resp: 18070
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 1.6 35.6 53.4#

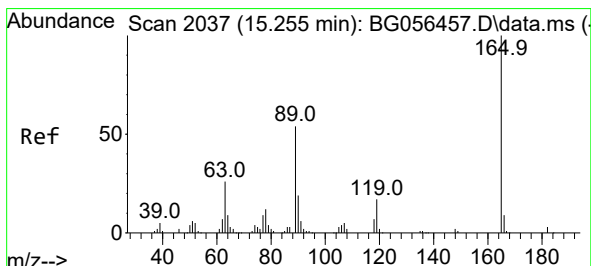
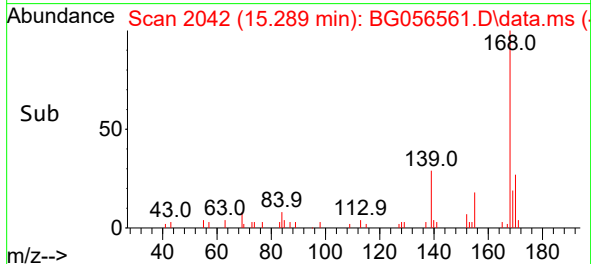
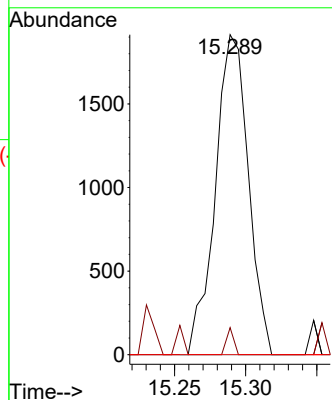
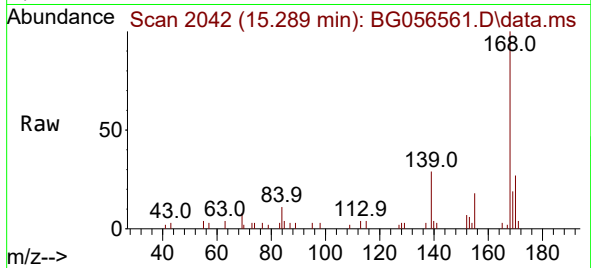




#56
4-Nitrophenol
Concen: 2.048 ng
RT: 15.289 min Scan# 2011
Delta R.T. 0.181 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

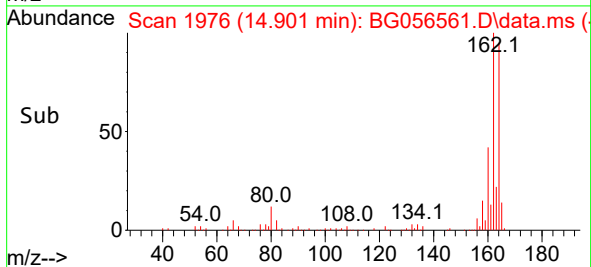
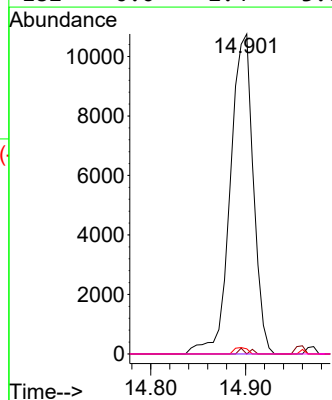
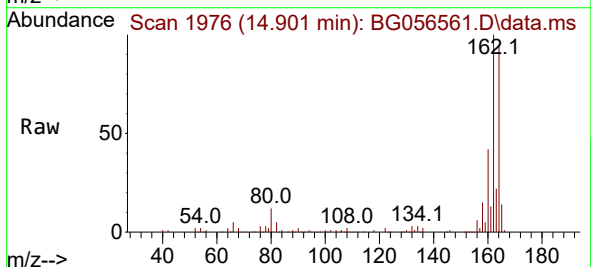
Instrument :
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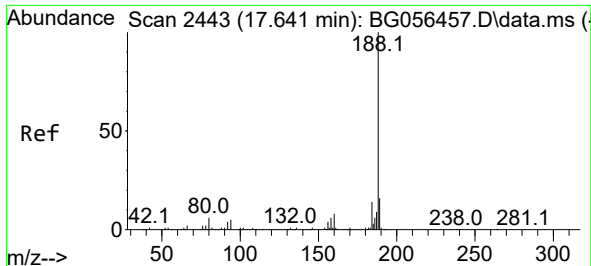
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Ion Ratio Lower Upper
139 100
109 8.5 67.5 107.5#
65 0.0 50.7 90.7#



#57
2,4-Dinitrotoluene
Concen: 5.619 ng
RT: 14.901 min Scan# 1976
Delta R.T. -0.354 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:165 Resp: 18070
Ion Ratio Lower Upper
165 100
63 0.0 20.6 31.0#
89 1.6 43.1 64.7#
182 0.0 2.4 3.6#

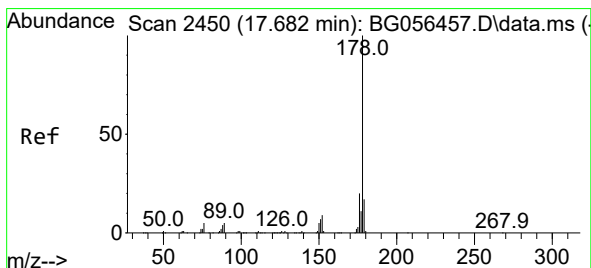
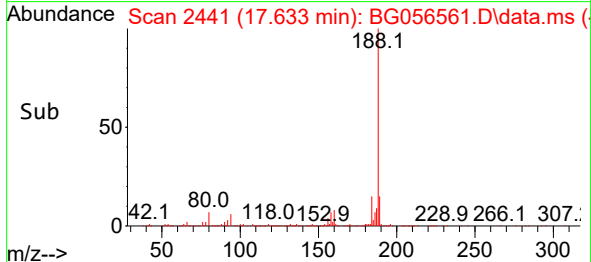
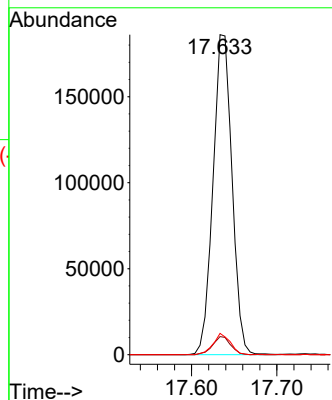
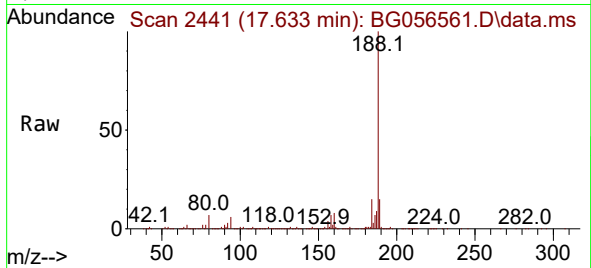




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.007 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

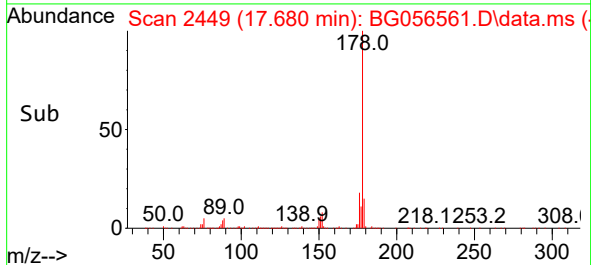
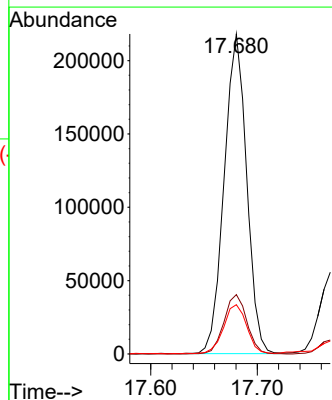
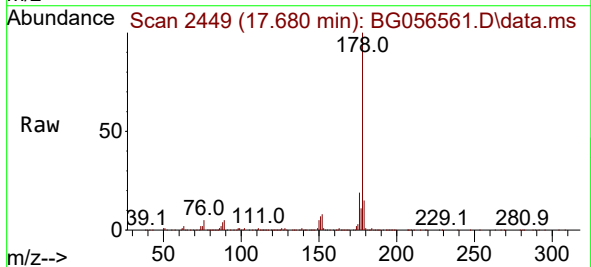
Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

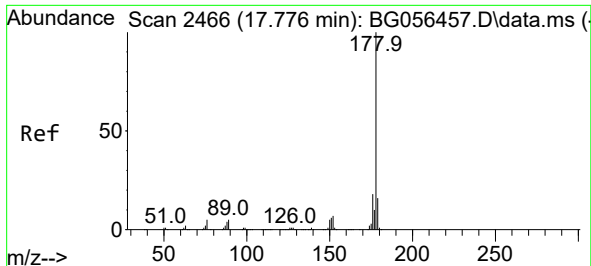
Tgt Ion:188 Resp: 288764
Ion Ratio Lower Upper
188 100
94 5.7 4.1 6.1
80 6.7 5.0 7.4



#71
Phenanthrene
Concen: 21.091 ng
RT: 17.680 min Scan# 2449
Delta R.T. -0.001 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

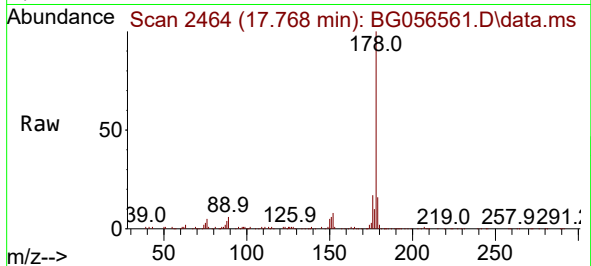
Tgt Ion:178 Resp: 318757
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.4 13.3 19.9



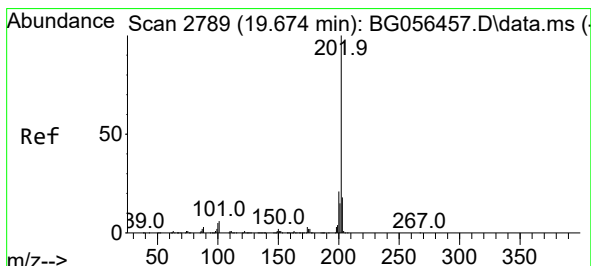
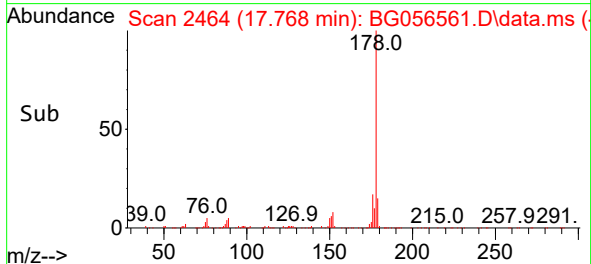
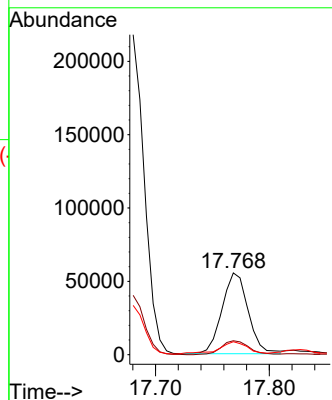


#72
 Anthracene
 Concen: 5.683 ng
 RT: 17.768 min Scan# 2466
 Delta R.T. -0.001 min
 Lab File: BG056561.D
 Acq: 6 Feb 2023 19:08

Instrument :
 BNA_G
 ClientSampleId :
 NPWAYNE-SOIL-0201DL

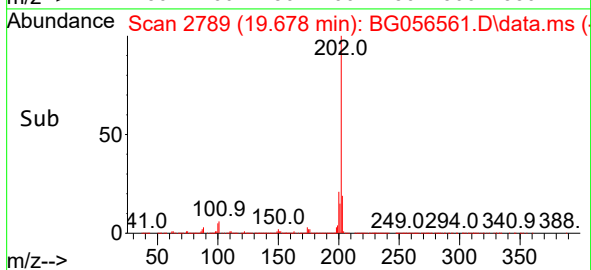
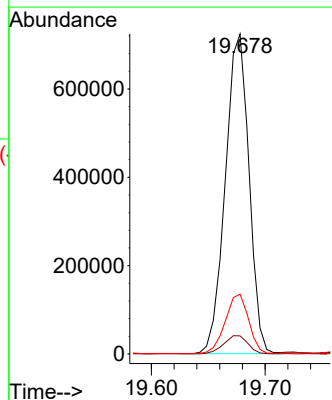
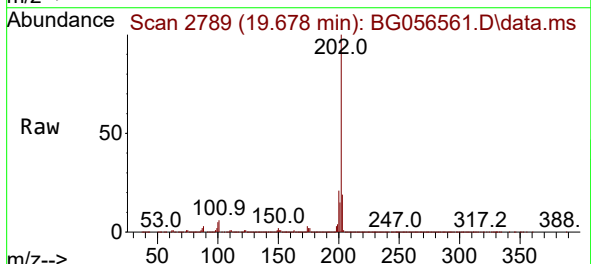


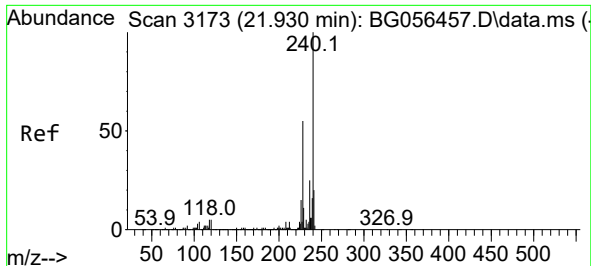
Tgt Ion:178 Resp: 88164
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.5 21.7
 179 15.8 12.5 18.7



#75
 Fluoranthene
 Concen: 54.901 ng
 RT: 19.678 min Scan# 2789
 Delta R.T. 0.004 min
 Lab File: BG056561.D
 Acq: 6 Feb 2023 19:08

Tgt Ion:202 Resp: 1047222
 Ion Ratio Lower Upper
 202 100
 101 5.7 0.0 25.6
 203 18.7 0.0 38.1

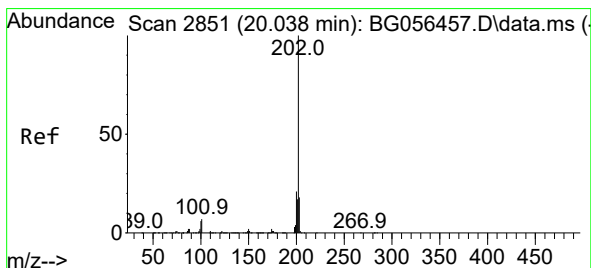
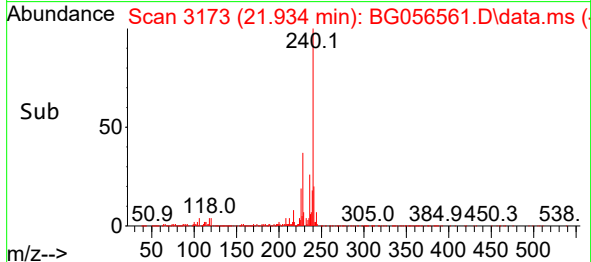
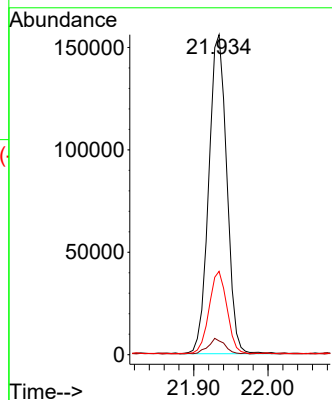
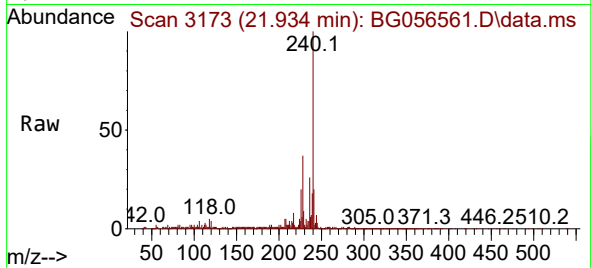




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.934 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

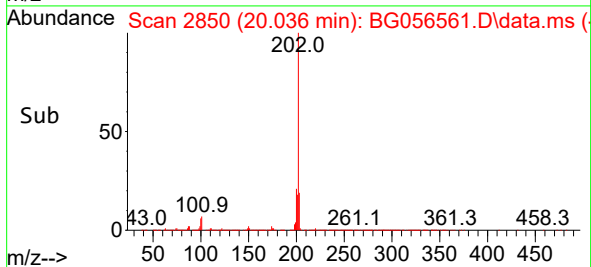
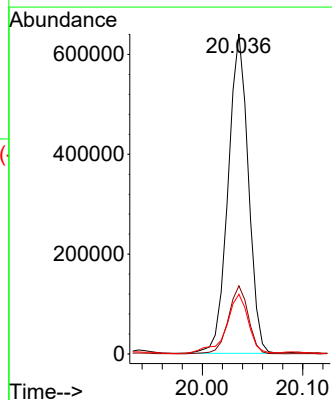
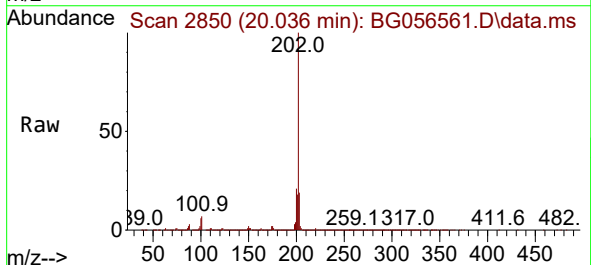
Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

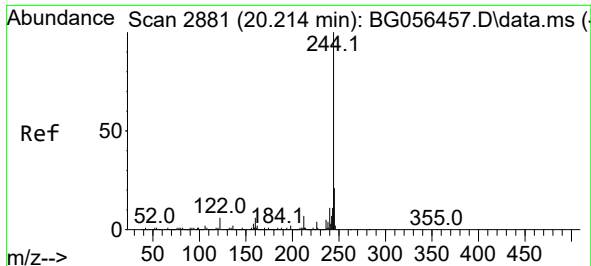
Tgt Ion:240 Resp: 262777
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 26.0 20.2 30.2



#78
Pyrene
Concen: 47.799 ng
RT: 20.036 min Scan# 2850
Delta R.T. 0.004 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:202 Resp: 893325
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.6 14.4 21.6





#79

Terphenyl-d14

Concen: 31.489 ng

RT: 20.213 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

Instrument :

BNA_G

ClientSampleId :

NPWAYNE-SOIL-0201DL

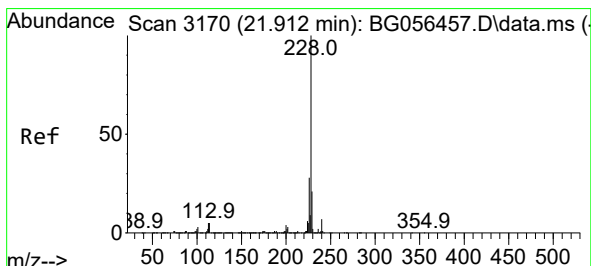
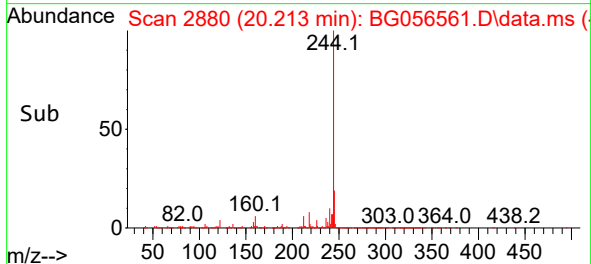
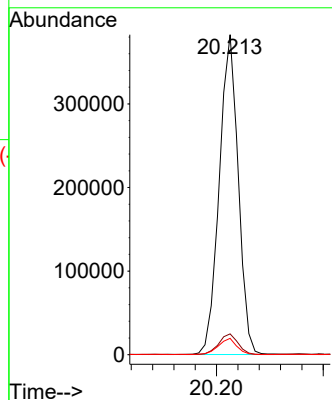
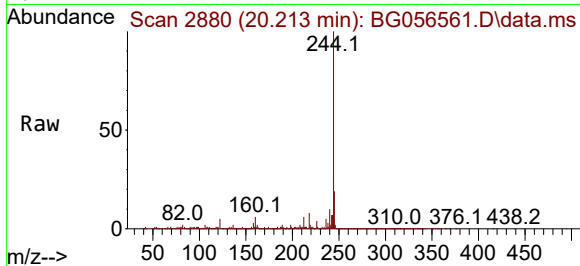
Tgt Ion:244 Resp: 471115

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

122 5.1 4.4 6.6



#81

Benzo(a)anthracene

Concen: 30.842 ng

RT: 21.911 min Scan# 3169

Delta R.T. -0.001 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

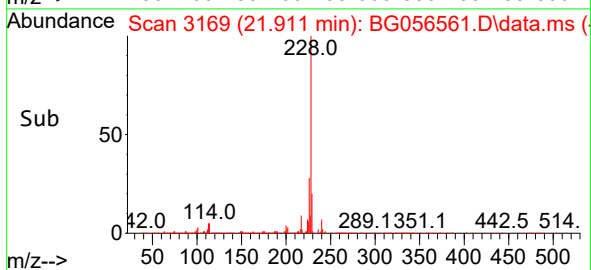
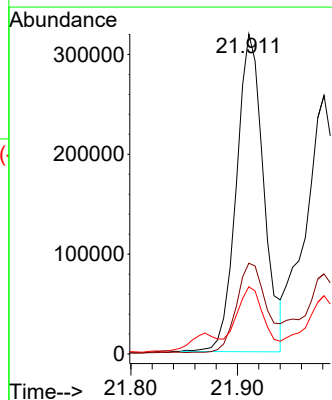
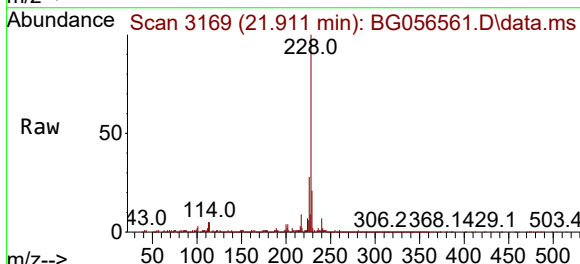
Tgt Ion:228 Resp: 566603

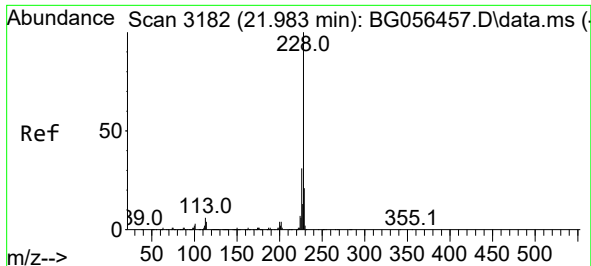
Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

229 21.0 16.5 24.7





#83

Chrysene

Concen: 30.474 ng

RT: 21.981 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

Instrument :

BNA_G

ClientSampleId :

NPWAYNE-SOIL-0201DL

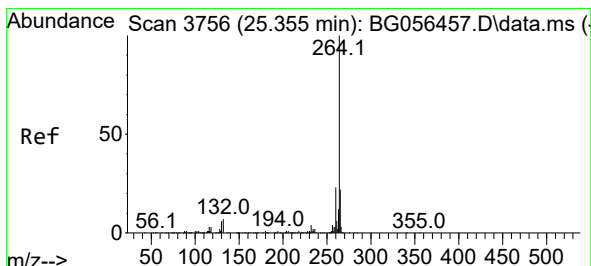
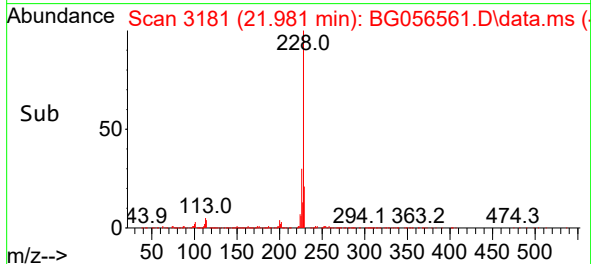
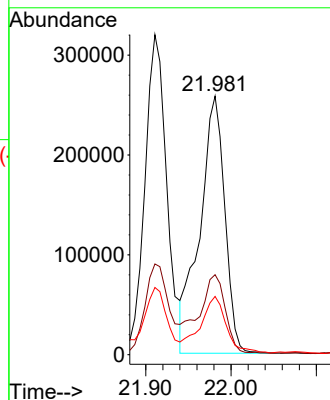
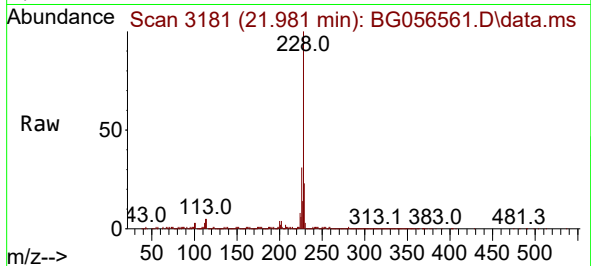
Tgt Ion:228 Resp: 525966

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 22.5 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.365 min Scan# 3757

Delta R.T. 0.004 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

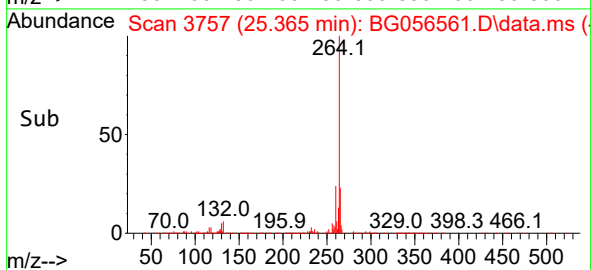
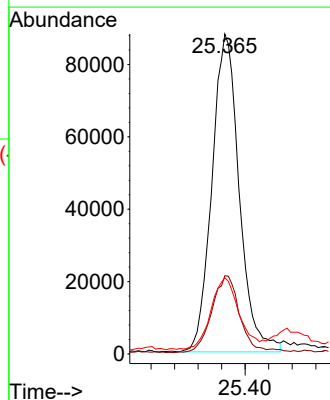
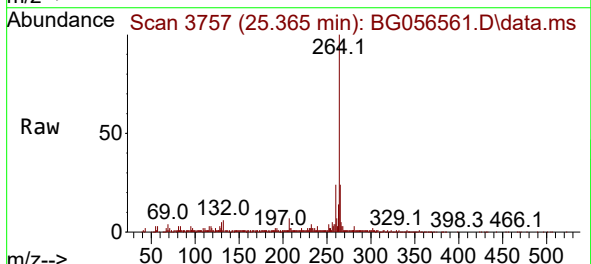
Tgt Ion:264 Resp: 282573

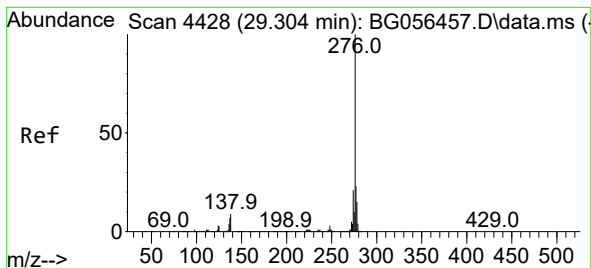
Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.4

265 23.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.248 ng

RT: 29.314 min Scan# 4428

Delta R.T. -0.007 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

Instrument :

BNA_G

ClientSampleId :

NPWAYNE-SOIL-0201DL

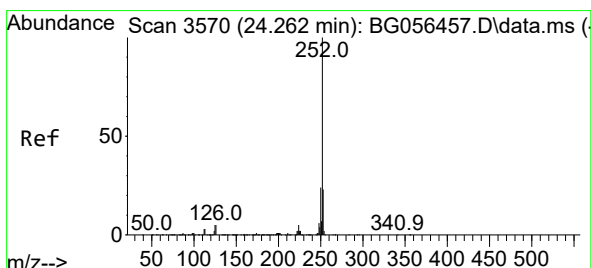
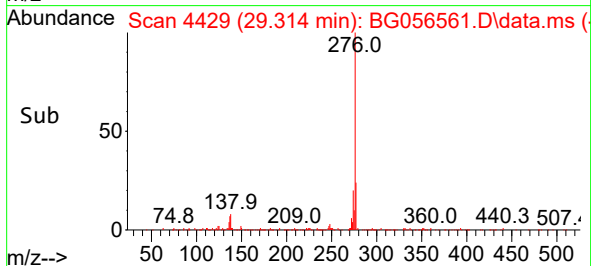
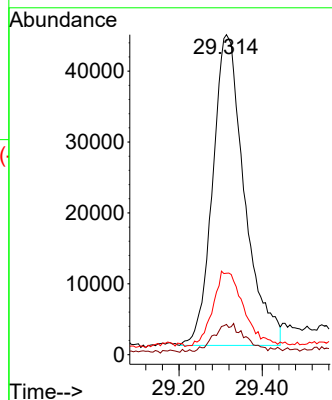
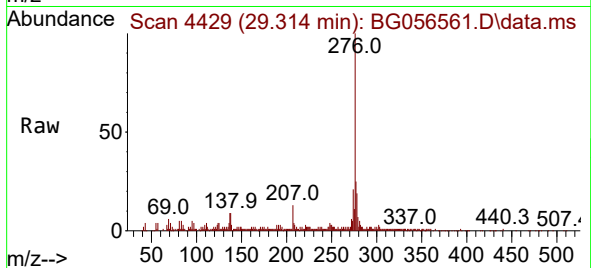
Tgt Ion:276 Resp: 232667

Ion Ratio Lower Upper

276 100

138 0.0 9.4 14.2#

277 23.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 45.617 ng

RT: 24.273 min Scan# 3571

Delta R.T. 0.010 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

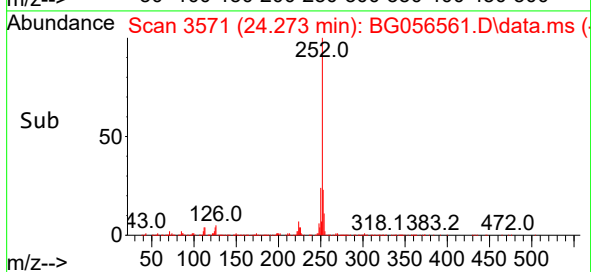
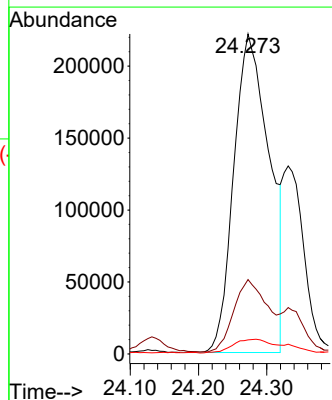
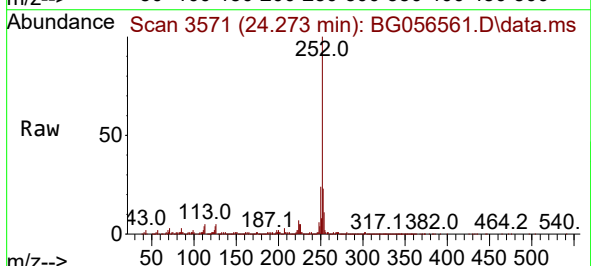
Tgt Ion:252 Resp: 800082

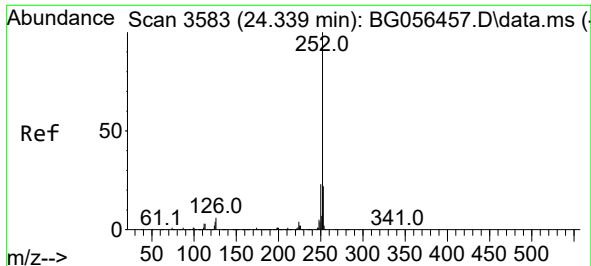
Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 4.4 3.9 5.9

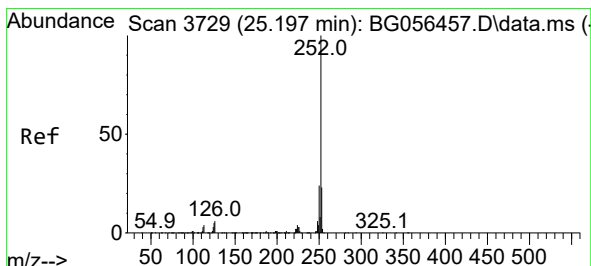
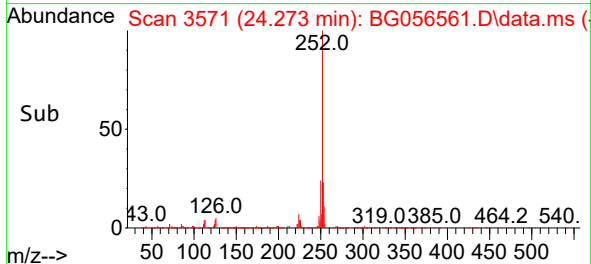
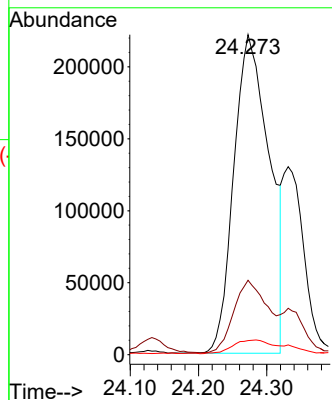
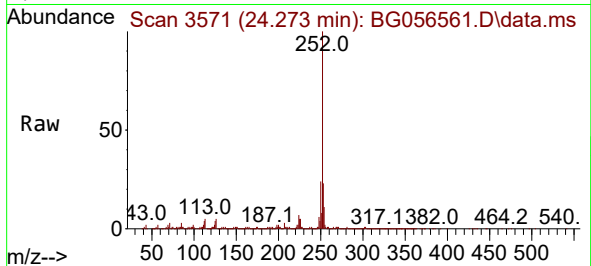




#89
Benzo(k)fluoranthene
Concen: 45.182 ng
RT: 24.273 min Scan# 31
Delta R.T. -0.066 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

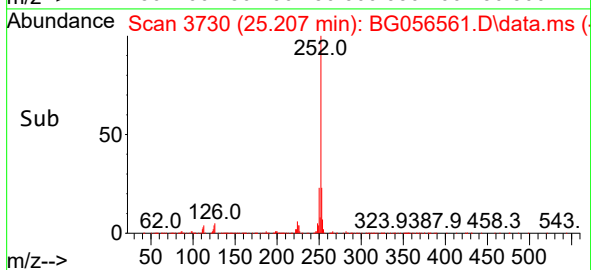
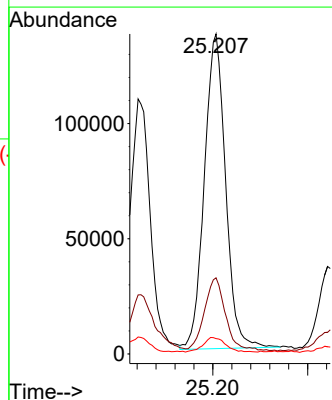
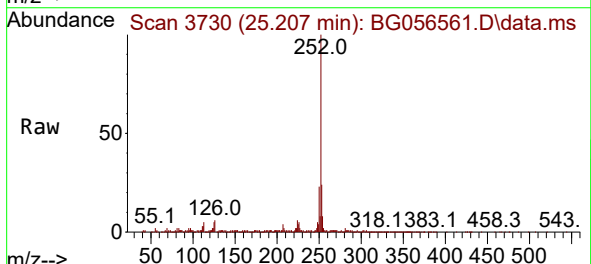
Instrument :
BNA_G
ClientSampleId :
NPWAYNE-SOIL-0201DL

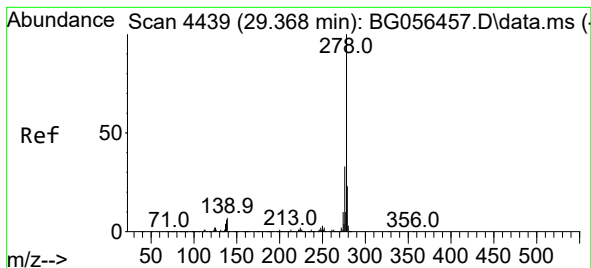
Tgt Ion:252 Resp: 800082
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 4.4 3.4 5.0



#90
Benzo(a)pyrene
Concen: 24.599 ng
RT: 25.207 min Scan# 3730
Delta R.T. 0.010 min
Lab File: BG056561.D
Acq: 6 Feb 2023 19:08

Tgt Ion:252 Resp: 424990
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 4.8 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 2.019 ng

RT: 29.343 min Scan# 4439

Delta R.T. -0.031 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

Instrument :

BNA_G

ClientSampleId :

NPWAYNE-SOIL-0201DL

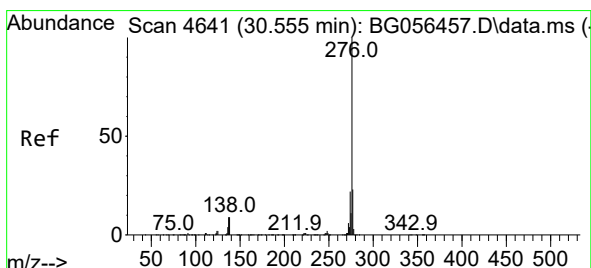
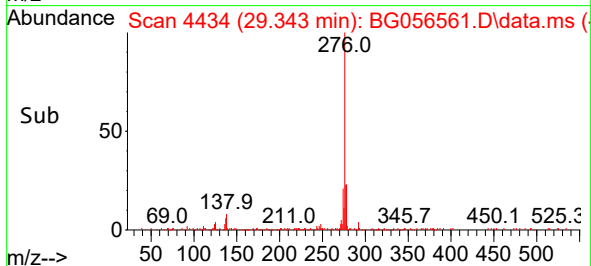
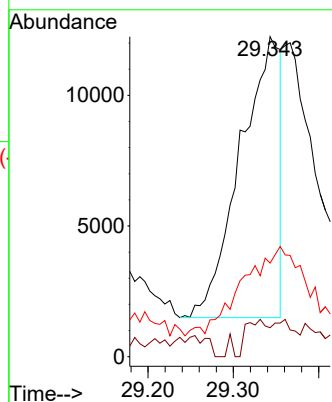
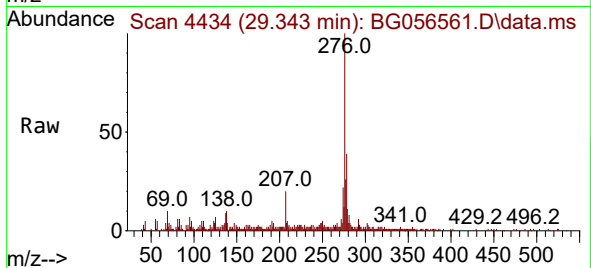
Tgt Ion:278 Resp: 35051

Ion Ratio Lower Upper

278 100

139 9.0 5.5 8.3#

279 29.3 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 10.472 ng

RT: 30.553 min Scan# 4640

Delta R.T. -0.013 min

Lab File: BG056561.D

Acq: 6 Feb 2023 19:08

Tgt Ion:276 Resp: 175442

Ion Ratio Lower Upper

276 100

277 24.9 18.5 27.7

138 8.6 7.4 11.0

