

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011623\
 Data File : BG056305.D
 Acq On : 16 Jan 2023 20:54
 Operator : CG/JU
 Sample : 01161-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20230113-H4-STOCKPILE

Quant Time: Jan 17 05:27:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

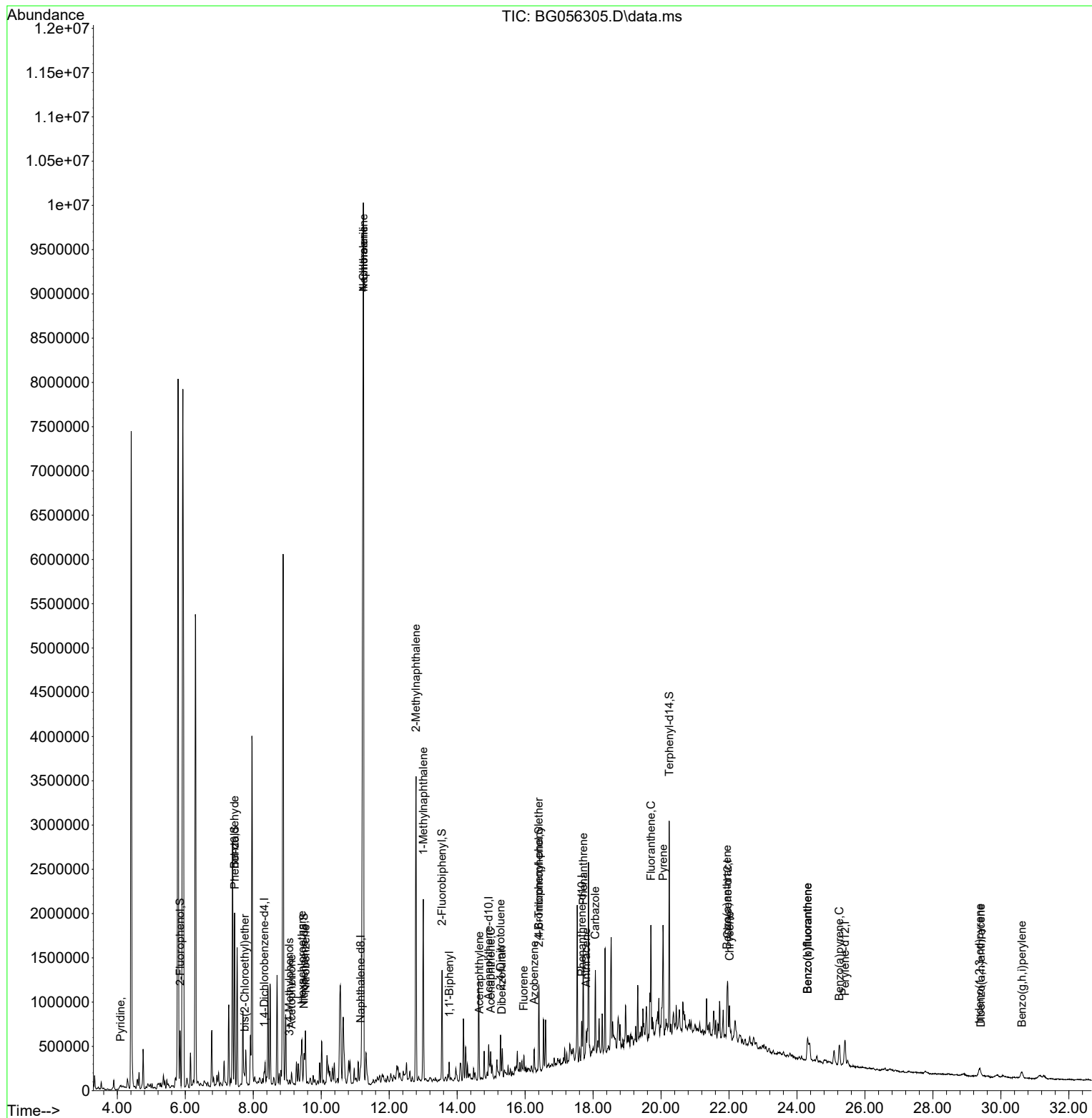
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.326	152	51645	20.000	ng	0.00
21) Naphthalene-d8	11.158	136	190010	20.000	ng	# 0.00
39) Acenaphthene-d10	14.930	164	147605	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	341823	20.000	ng	# 0.00
76) Chrysene-d12	21.963	240	334534	20.000	ng	# 0.00
86) Perylene-d12	25.412	264	371943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.846	112	304609	105.311	ng	0.02
7) Phenol-d6	7.456	99	415515	93.542	ng	0.00
23) Nitrobenzene-d5	9.495	82	235373	63.363	ng	0.00
42) 2,4,6-Tribromophenol	16.410	330	170943	91.443	ng	0.00
45) 2-Fluorobiphenyl	13.555	172	694430	64.966	ng	0.00
79) Terphenyl-d14	20.241	244	1180927	63.225	ng	0.00
Target Compounds						Qvalue
3) Pyridine	4.095	79	25703	6.388	ng	# 86
9) Benzaldehyde	7.450	77	101433	38.404	ng	# 1
11) bis(2-Chloroethyl)ether	7.750	93	6284	2.058	ng	# 43
18) Hexachloroethane	9.436	117	77911	72.906	ng	# 1
20) 3+4-Methylphenols	9.066	107	9777	2.104	ng	# 59
22) Acetophenone	9.125	105	100973	18.794	ng	# 68
24) Nitrobenzene	9.542	77	26110	7.093	ng	# 26
31) Naphthalene	11.240	128	10692533	1069.258	ng	# 78
33) 4-Chloroaniline	11.240	127	2062213	431.933	ng	# 35
37) 2-Methylnaphthalene	12.791	142	1730142	204.906	ng	99
38) 1-Methylnaphthalene	13.003	142	967561	123.400	ng	97
46) 1,1'-Biphenyl	13.766	154	117058	11.074	ng	97
49) Acenaphthylene	14.654	152	29682	2.186	ng	# 75
52) Acenaphthene	14.994	154	48245	5.463	ng	98
55) Dibenzofuran	15.318	168	72417	4.955	ng	# 95
57) 2,4-Dinitrotoluene	15.276	165	13532	3.811	ng	# 61
58) Fluorene	15.964	166	95030	8.085	ng	91
63) Azobenzene	16.269	77	66236	7.681	ng	# 1
67) 4-Bromophenyl-phenylether	16.404	248	14715	3.381	ng	# 1
71) Phenanthrene	17.709	178	804662	45.424	ng	98
72) Anthracene	17.797	178	199842	10.936	ng	98
73) Carbazole	18.061	167	49698	3.236	ng	# 92
75) Fluoranthene	19.701	202	896746	38.809	ng	98
78) Pyrene	20.059	202	809656	34.337	ng	99
81) Benzo(a)anthracene	21.939	228	370085	15.751	ng	100
83) Chrysene	22.016	228	327887	14.898	ng	97
87) Indeno(1,2,3-cd)pyrene	29.372	276	180824	6.685	ng	# 98
88) Benzo(b)fluoranthene	24.313	252	387909	16.415	ng	96
89) Benzo(k)fluoranthene	24.313	252	387909	16.484	ng	96
90) Benzo(a)pyrene	25.247	252	299035	12.974	ng	99
91) Dibenzo(a,h)anthracene	29.413	278	48525	2.140	ng	# 90
92) Benzo(g,h,i)perylene	30.617	276	170408	7.748	ng	97

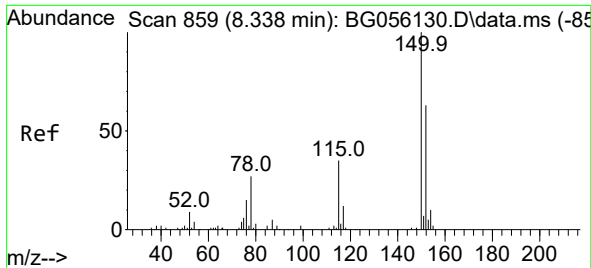
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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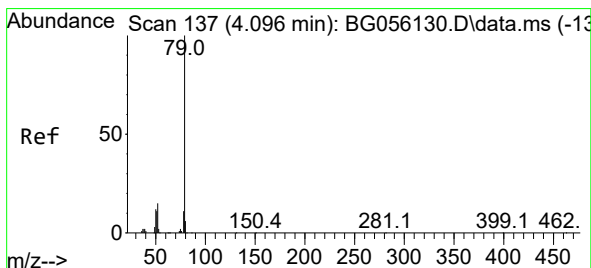
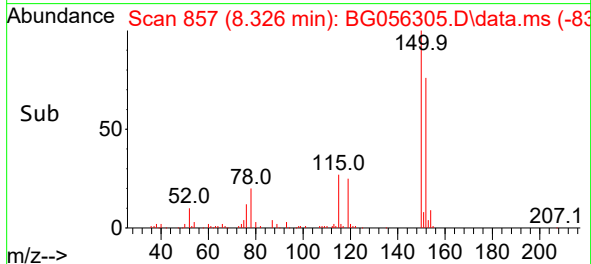
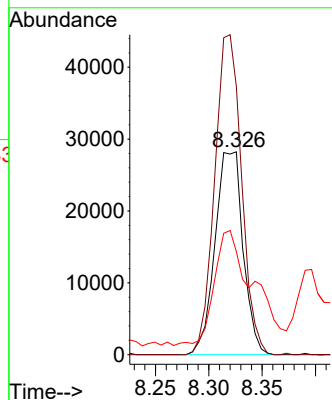
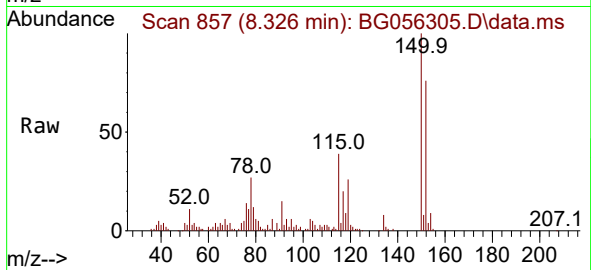




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.326 min Scan# 81
Delta R.T. 0.009 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

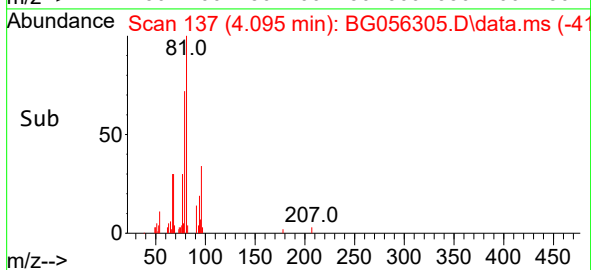
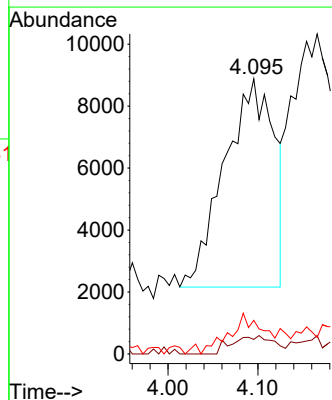
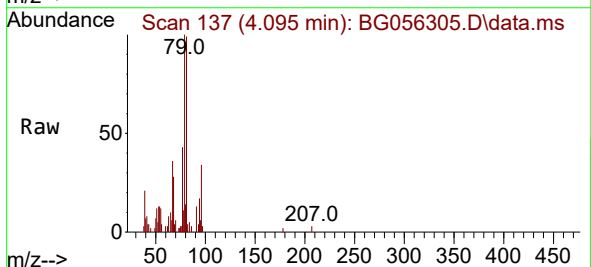
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

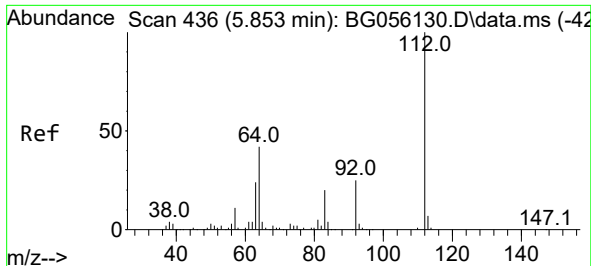
Tgt Ion:152 Resp: 51645
Ion Ratio Lower Upper
152 100
150 132.2 127.9 191.9
115 50.9 44.2 66.2



#3
Pyridine
Concen: 6.388 ng
RT: 4.095 min Scan# 137
Delta R.T. 0.033 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion: 79 Resp: 25703
Ion Ratio Lower Upper
79 100
52 5.3 11.8 17.6#
51 12.2 8.8 13.2





#5

2-Fluorophenol

Concen: 105.311 ng

RT: 5.846 min Scan# 41

Delta R.T. 0.021 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

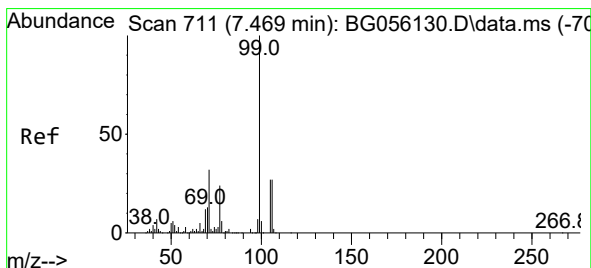
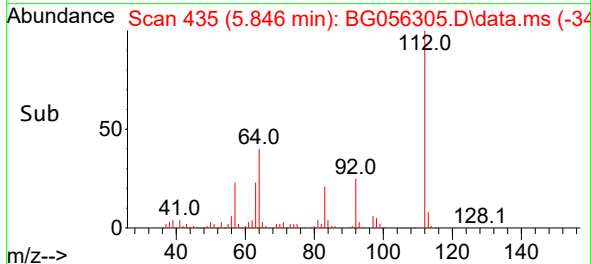
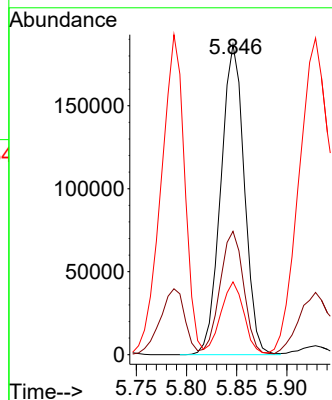
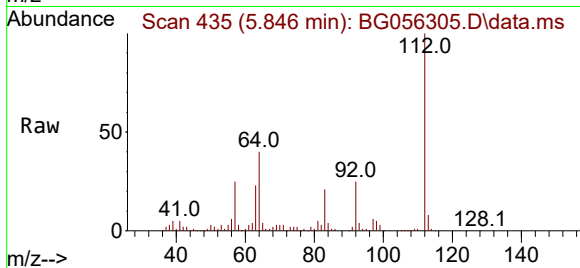
Tgt Ion:112 Resp: 304609

Ion Ratio Lower Upper

112 100

64 39.8 33.3 49.9

63 23.5 19.0 28.4



#7

Phenol-d6

Concen: 93.542 ng

RT: 7.456 min Scan# 709

Delta R.T. 0.009 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

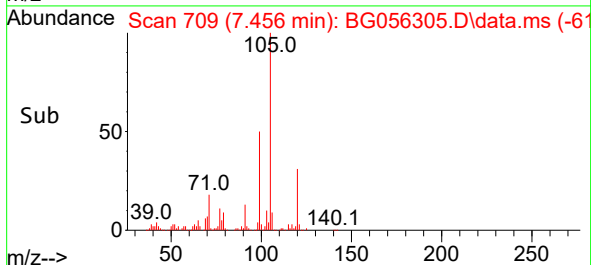
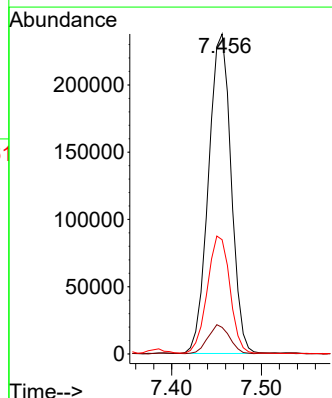
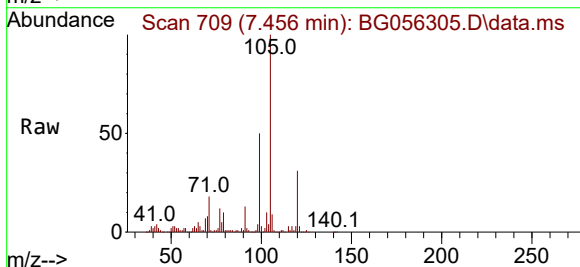
Tgt Ion: 99 Resp: 415515

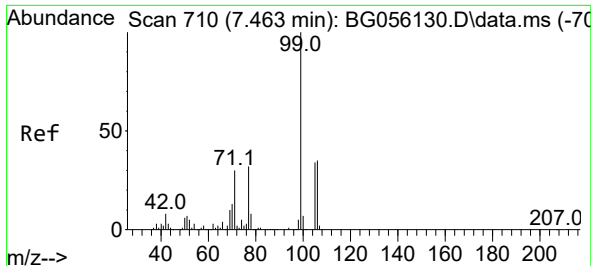
Ion Ratio Lower Upper

99 100

42 8.3 5.9 8.9

71 35.7 25.4 38.2

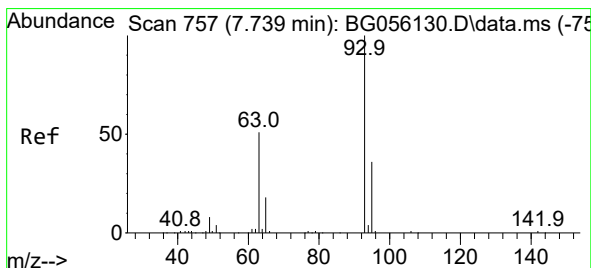
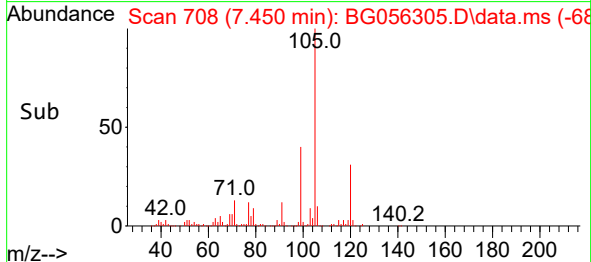
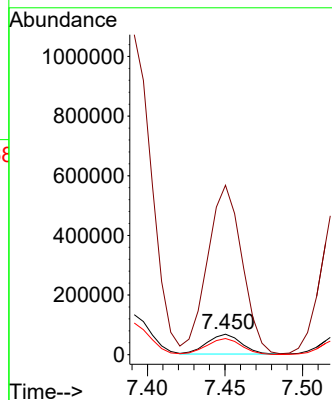
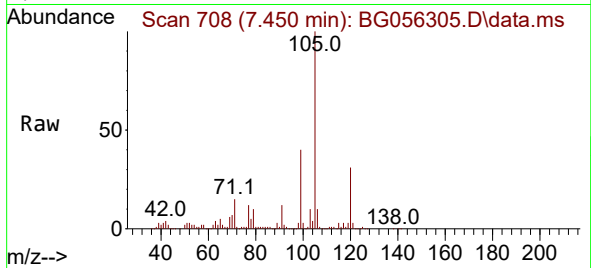




#9
Benzaldehyde
Concen: 38.404 ng
RT: 7.450 min Scan# 709
Delta R.T. 0.009 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

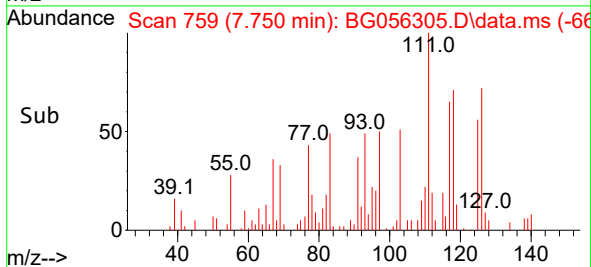
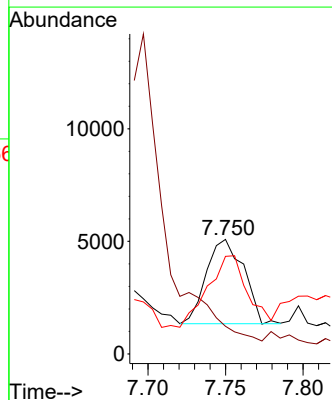
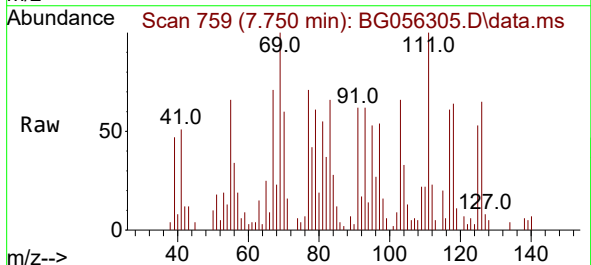
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

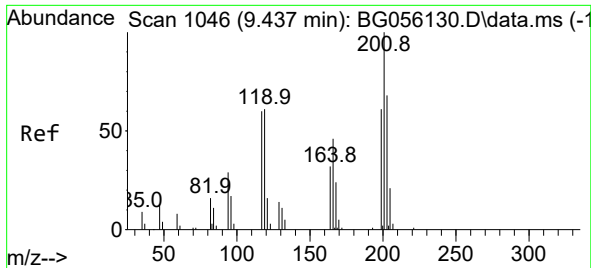
Tgt Ion: 77 Resp: 101433
Ion Ratio Lower Upper
77 100
105 826.2 86.8 126.8#
106 78.8 89.3 129.3#



#11
bis(2-Chloroethyl)ether
Concen: 2.058 ng
RT: 7.750 min Scan# 759
Delta R.T. 0.033 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion: 93 Resp: 6284
Ion Ratio Lower Upper
93 100
63 24.1 30.5 70.5#
95 85.2 15.9 55.9#

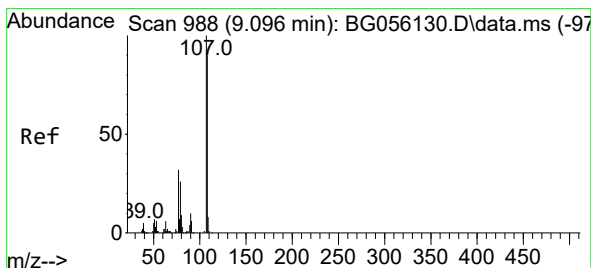
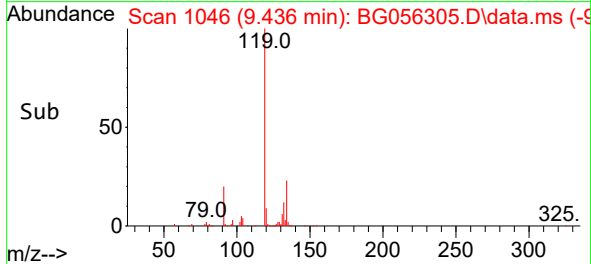
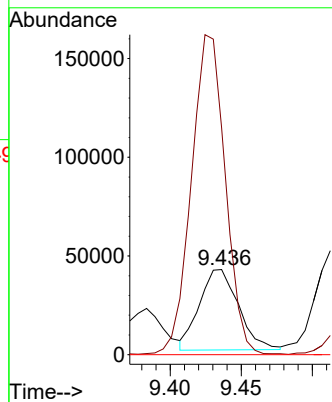
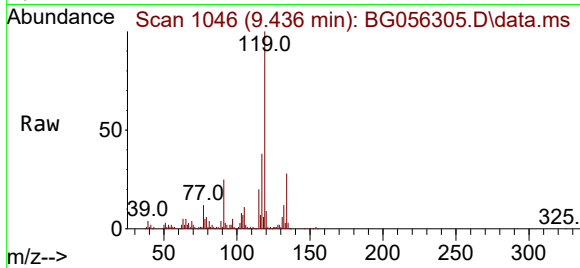




#18
Hexachloroethane
Concen: 72.906 ng
RT: 9.436 min Scan# 1046
Delta R.T. 0.021 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

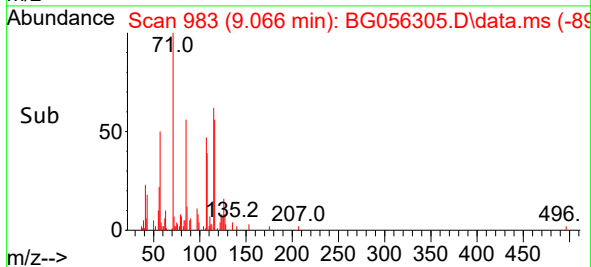
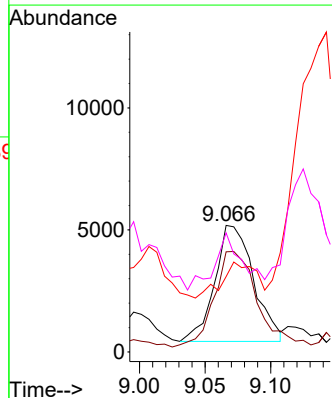
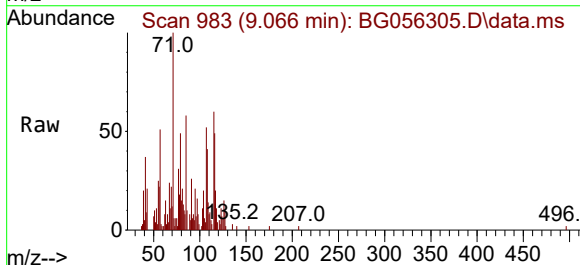
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

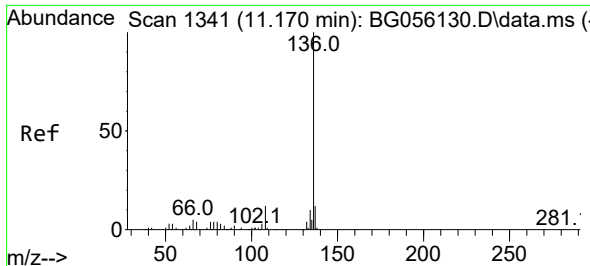
Tgt Ion:117 Resp: 77911
Ion Ratio Lower Upper
117 100
119 266.0 81.8 122.6#
201 0.0 134.2 201.2#



#20
3+4-Methylphenols
Concen: 2.104 ng
RT: 9.066 min Scan# 983
Delta R.T. -0.009 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:107 Resp: 9777
Ion Ratio Lower Upper
107 100
108 79.2 69.6 109.6
77 59.6 11.7 51.7#
79 94.1 6.3 46.3#

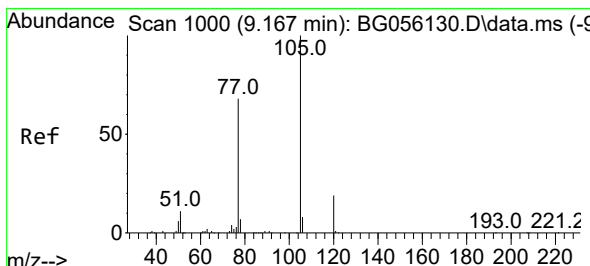
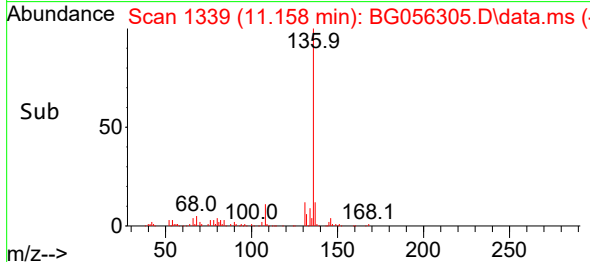
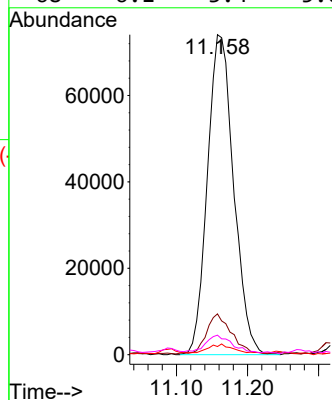
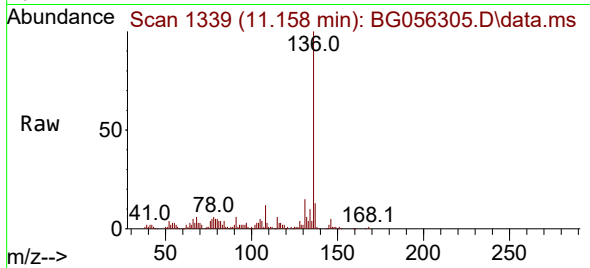




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.158 min Scan# 111
Delta R.T. 0.009 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

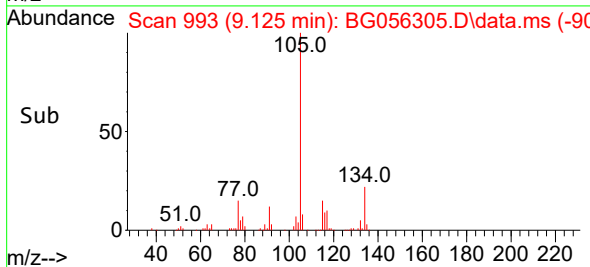
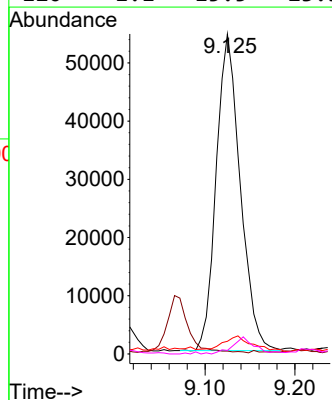
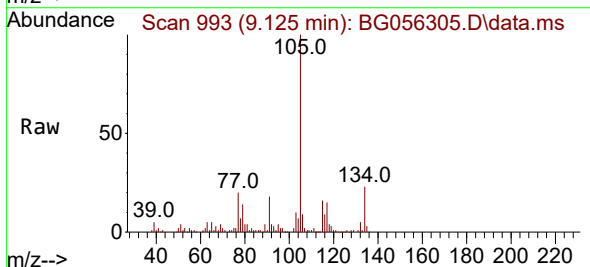
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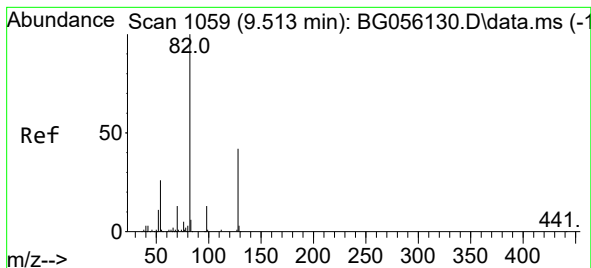
Tgt Ion:136 Resp: 190010
Ion Ratio Lower Upper
136 100
137 12.8 9.4 14.0
54 2.5 2.2 3.2
68 6.1 3.4 5.0#



#22
Acetophenone
Concen: 18.794 ng
RT: 9.125 min Scan# 993
Delta R.T. -0.014 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:105 Resp: 100973
Ion Ratio Lower Upper
105 100
71 0.9 0.5 0.7#
51 4.0 9.3 13.9#
120 1.1 15.5 23.3#





#23

Nitrobenzene-d5

Concen: 63.363 ng

RT: 9.495 min Scan# 1056

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

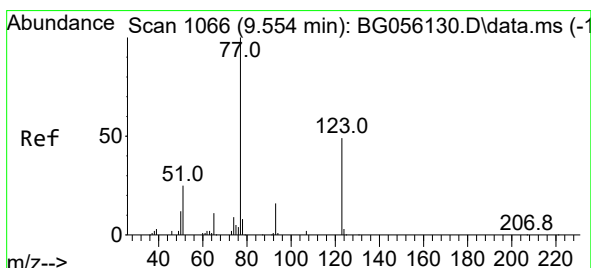
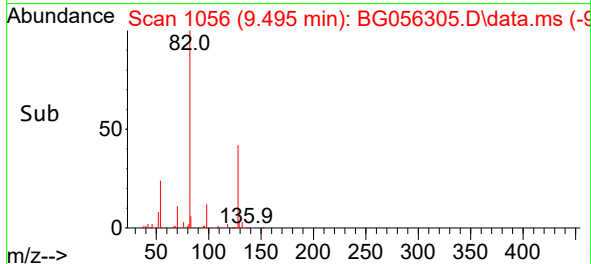
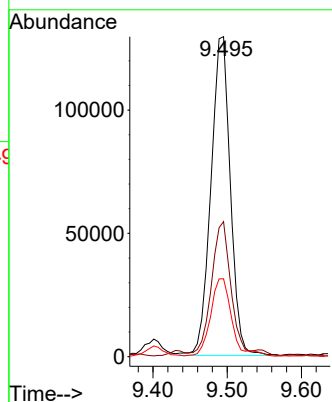
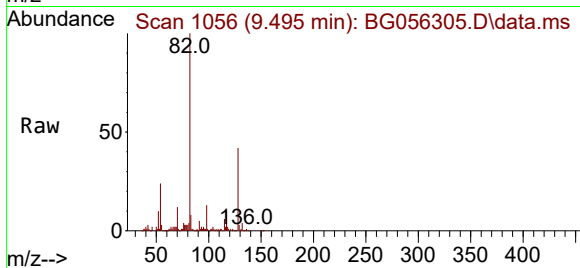
Tgt Ion: 82 Resp: 235373

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.2

54 24.4 20.3 30.5



#24

Nitrobenzene

Concen: 7.093 ng

RT: 9.542 min Scan# 1064

Delta R.T. 0.009 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

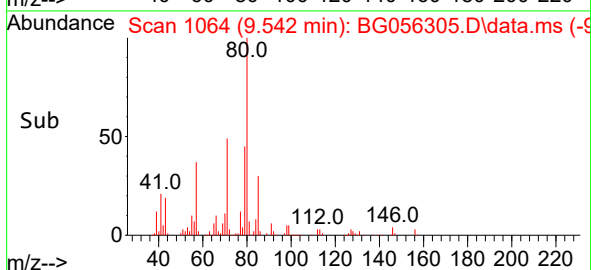
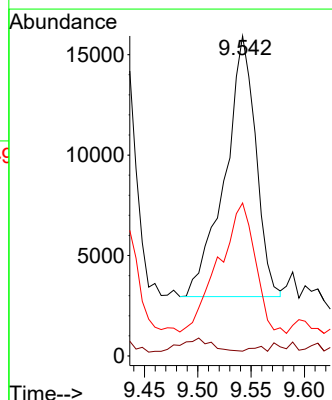
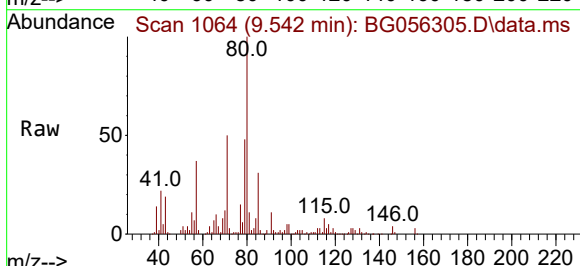
Tgt Ion: 77 Resp: 26110

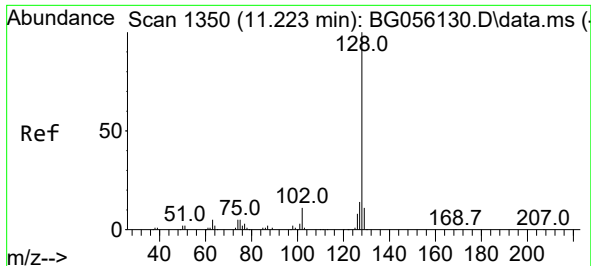
Ion Ratio Lower Upper

77 100

123 1.5 38.8 58.2#

65 47.8 9.1 13.7#

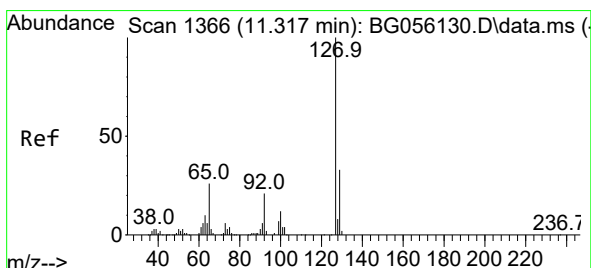
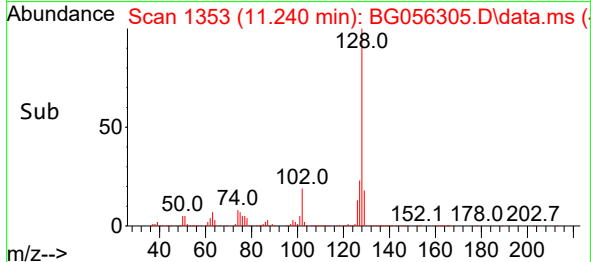
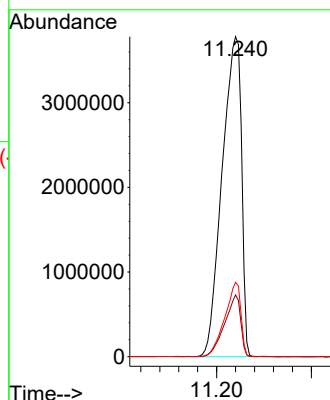
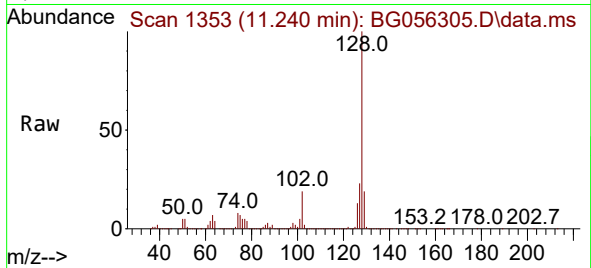




#31
Naphthalene
Concen: 1069.258 ng
RT: 11.240 min Scan# 11
Delta R.T. 0.038 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

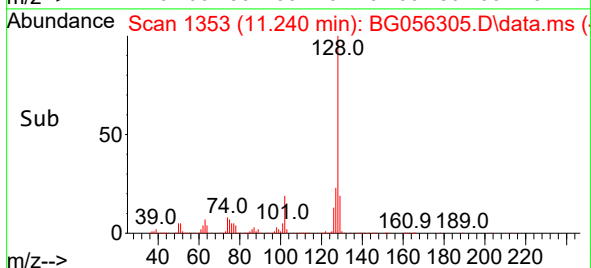
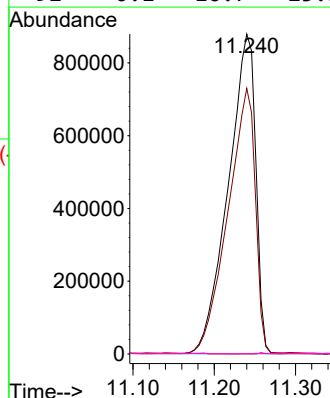
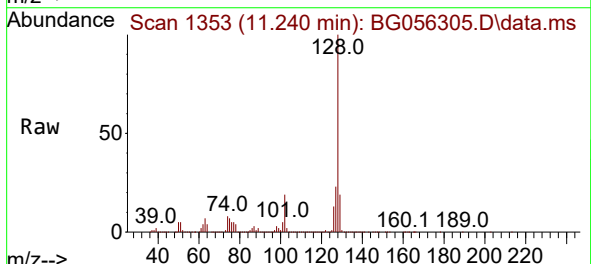
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

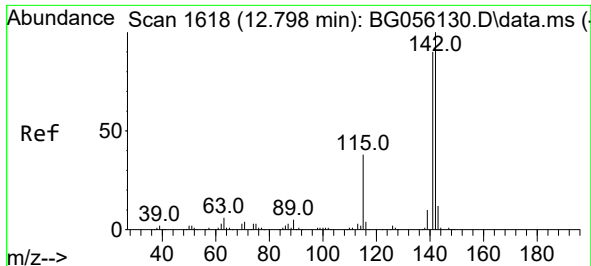
Tgt Ion:128 Resp:10692533
Ion Ratio Lower Upper
128 100
129 19.3 8.9 13.3#
127 23.3 11.2 16.8#



#33
4-Chloroaniline
Concen: 431.933 ng
RT: 11.240 min Scan# 1353
Delta R.T. -0.056 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:127 Resp: 2062213
Ion Ratio Lower Upper
127 100
129 83.0 26.1 39.1#
65 0.0 20.9 31.3#
92 0.1 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 204.906 ng

RT: 12.791 min Scan# 1

Delta R.T. 0.015 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

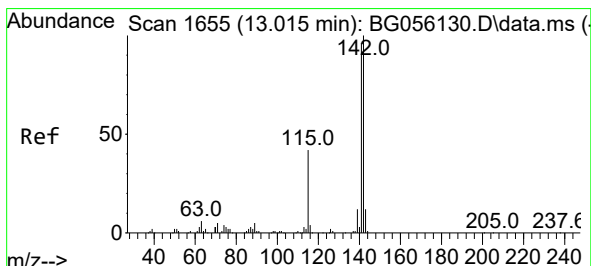
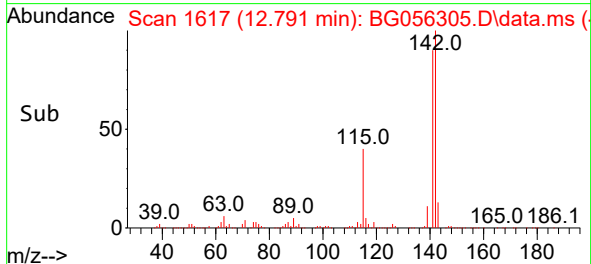
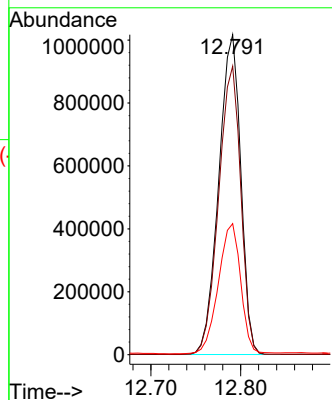
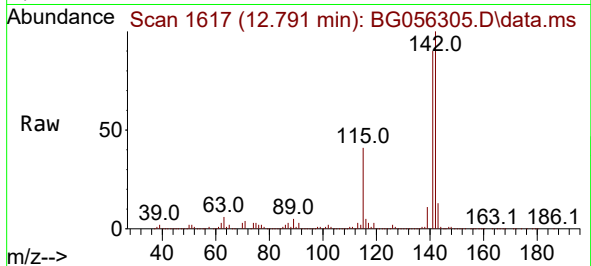
Tgt Ion:142 Resp: 1730142

Ion Ratio Lower Upper

142 100

141 90.1 72.2 108.4

115 41.0 30.7 46.1



#38

1-Methylnaphthalene

Concen: 123.400 ng

RT: 13.003 min Scan# 1653

Delta R.T. 0.009 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

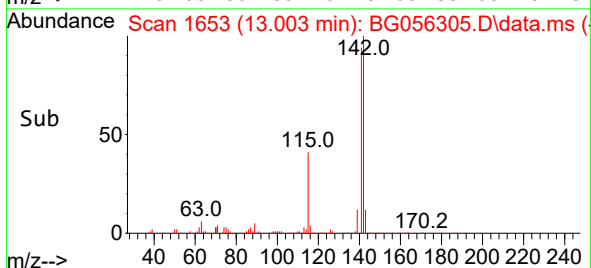
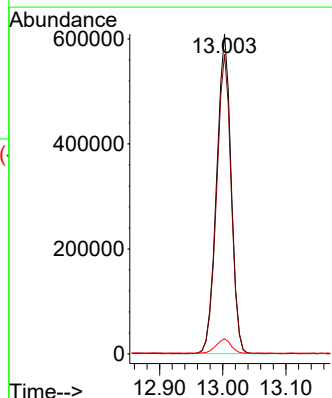
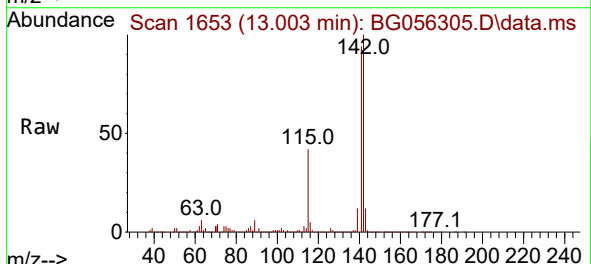
Tgt Ion:142 Resp: 967561

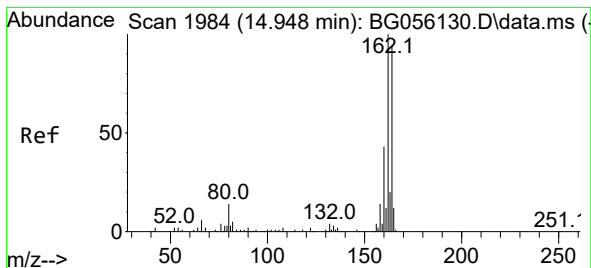
Ion Ratio Lower Upper

142 100

141 93.7 77.0 115.6

116 4.7 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.930 min Scan# 1981

Delta R.T. 0.003 min

Lab File: BG056305.D

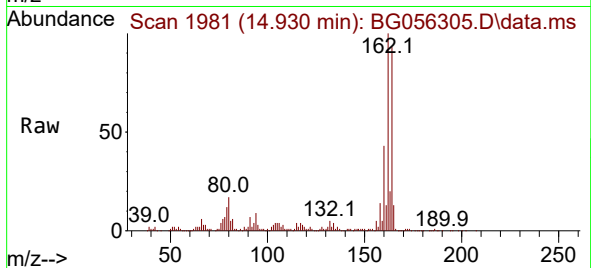
Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE



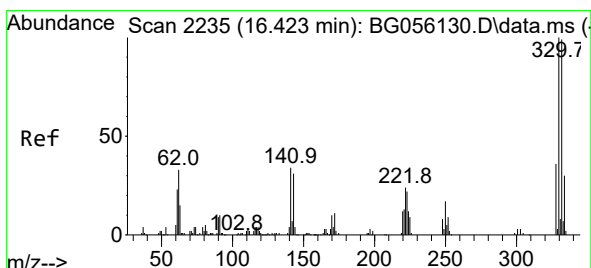
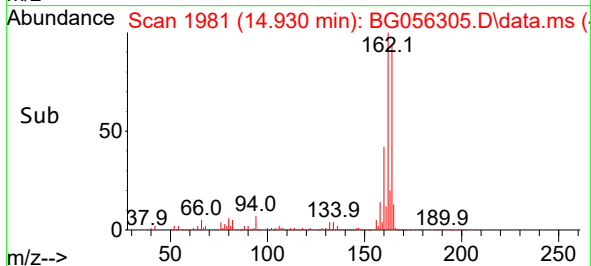
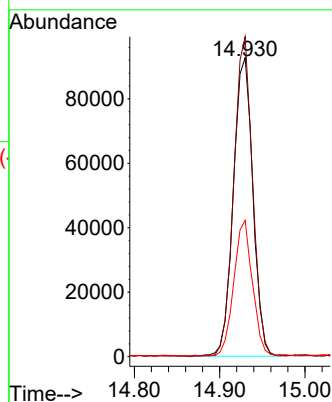
Tgt Ion:164 Resp: 147605

Ion Ratio Lower Upper

164 100

162 107.0 84.7 127.1

160 45.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 91.443 ng

RT: 16.410 min Scan# 2233

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

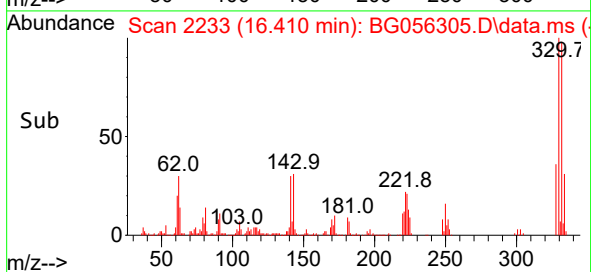
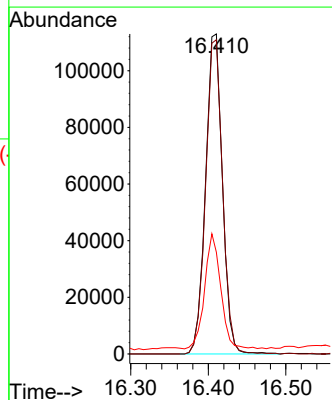
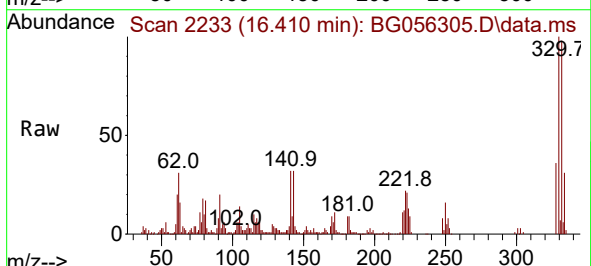
Tgt Ion:330 Resp: 170943

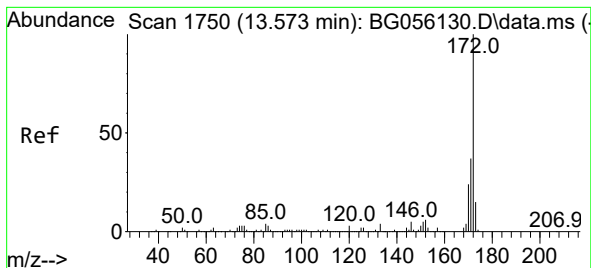
Ion Ratio Lower Upper

330 100

332 98.7 77.3 115.9

141 34.7 27.9 41.9





#45

2-Fluorobiphenyl

Concen: 64.966 ng

RT: 13.555 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

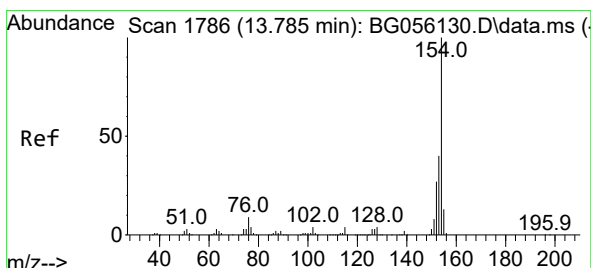
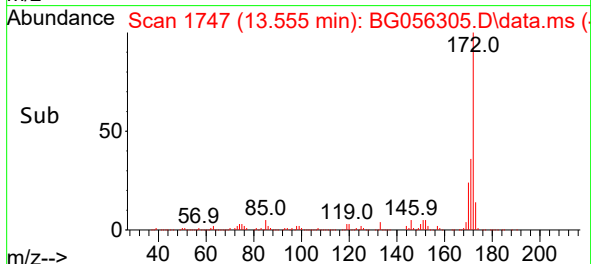
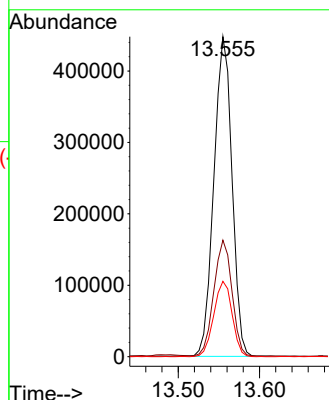
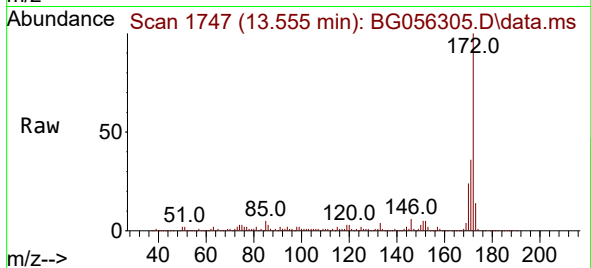
Tgt Ion:172 Resp: 694430

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

170 23.6 19.4 29.2



#46

1,1'-Biphenyl

Concen: 11.074 ng

RT: 13.766 min Scan# 1783

Delta R.T. -0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

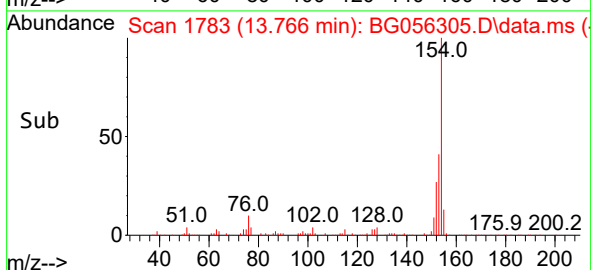
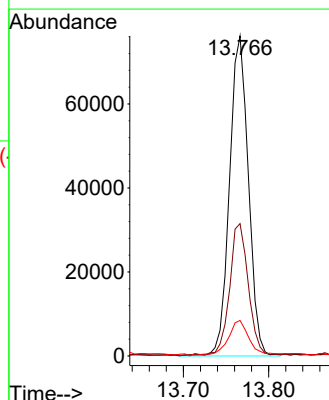
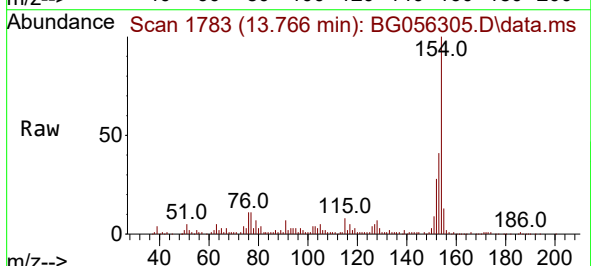
Tgt Ion:154 Resp: 117058

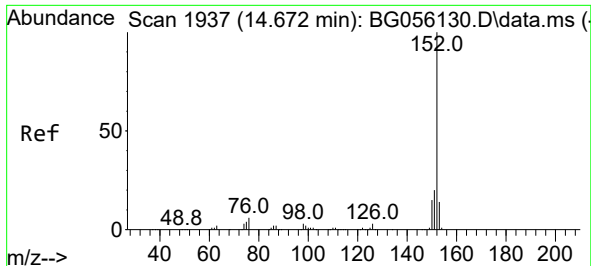
Ion Ratio Lower Upper

154 100

153 41.3 20.0 60.0

76 11.1 0.0 29.3

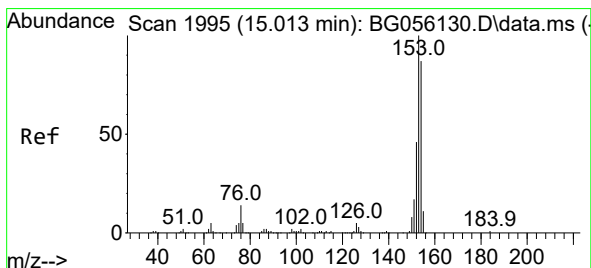
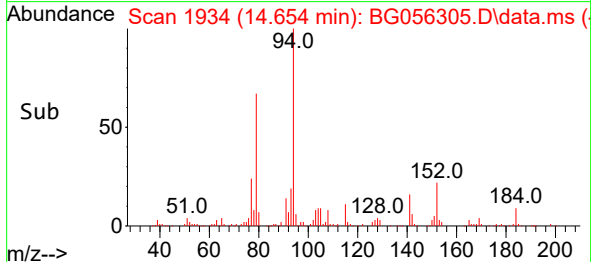
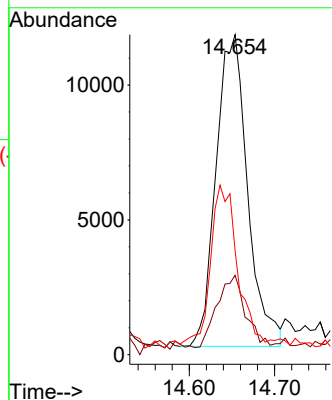
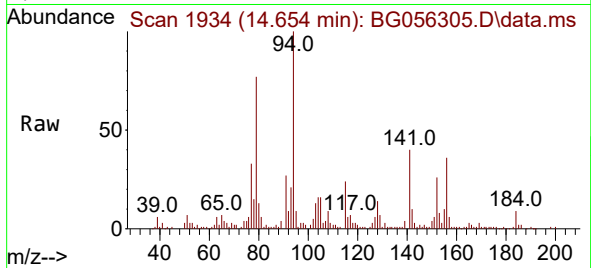




#49
Acenaphthylene
Concen: 2.186 ng
RT: 14.654 min Scan# 1934
Delta R.T. -0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

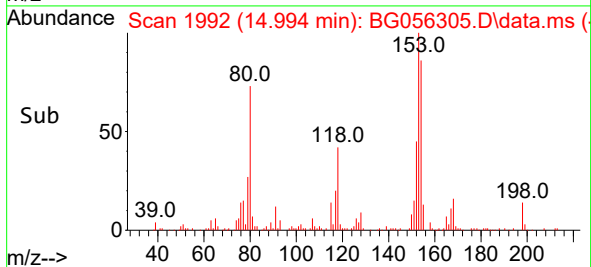
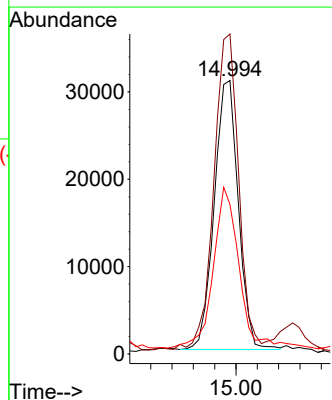
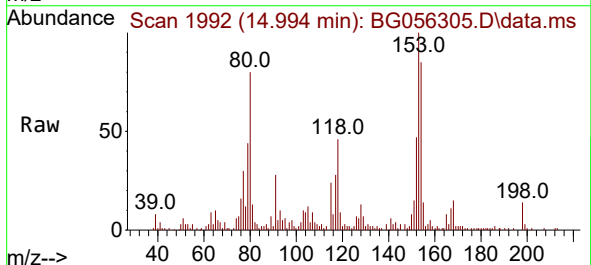
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

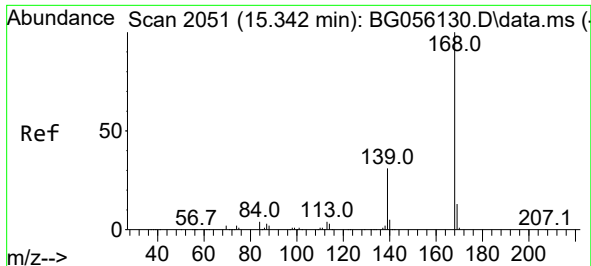
Tgt Ion:152 Resp: 29682
Ion Ratio Lower Upper
152 100
151 24.8 16.0 24.0#
153 32.5 11.0 16.6#



#52
Acenaphthene
Concen: 5.463 ng
RT: 14.994 min Scan# 1992
Delta R.T. 0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:154 Resp: 48245
Ion Ratio Lower Upper
154 100
153 117.0 92.0 138.0
152 54.7 42.5 63.7

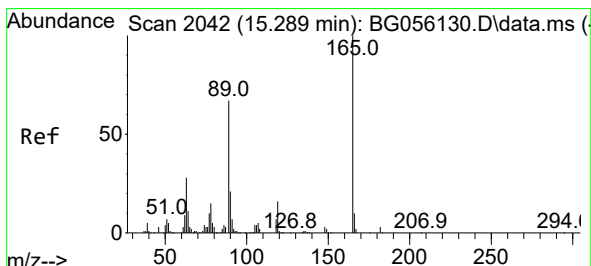
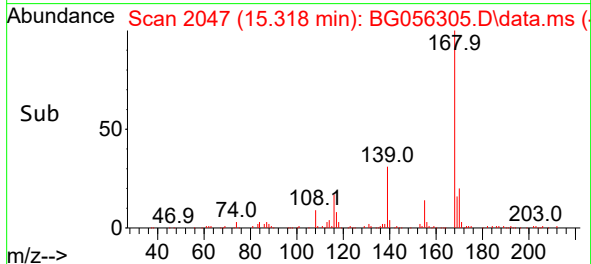
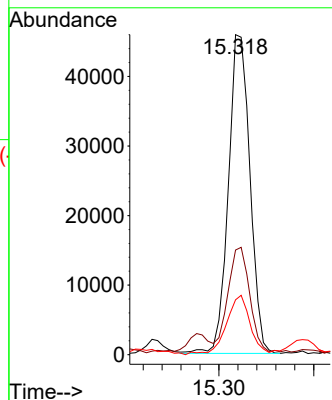
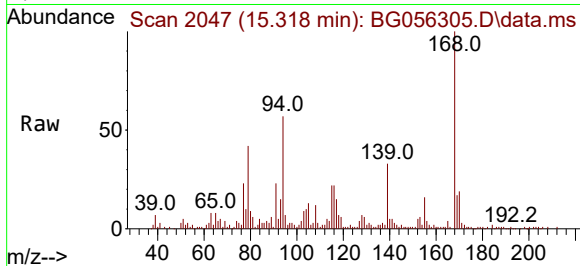




#55
Dibenzenofuran
Concen: 4.955 ng
RT: 15.318 min Scan# 2047
Delta R.T. -0.009 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

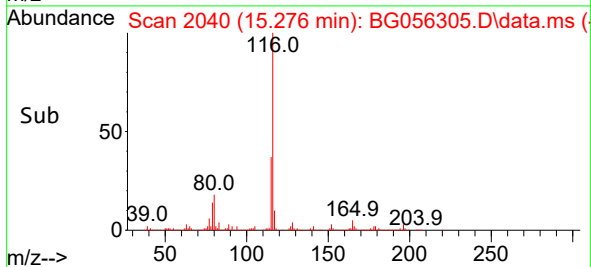
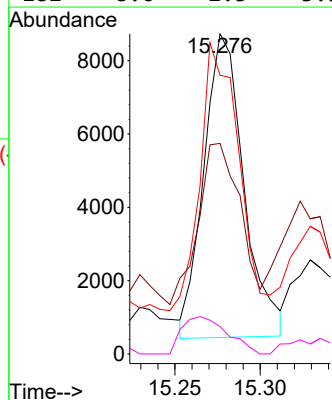
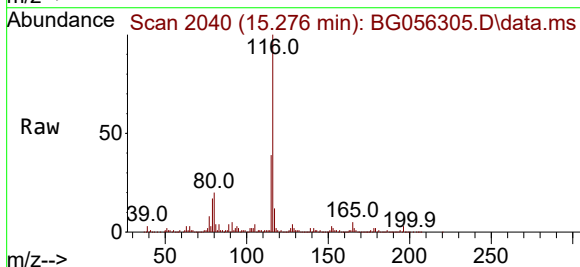
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

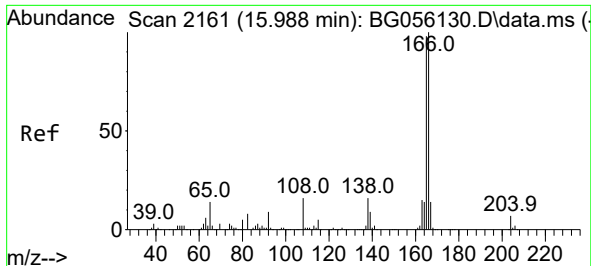
Tgt Ion:168 Resp: 72417
Ion Ratio Lower Upper
168 100
139 32.7 24.7 37.1
169 17.1 10.3 15.5#



#57
2,4-Dinitrotoluene
Concen: 3.811 ng
RT: 15.276 min Scan# 2040
Delta R.T. 0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:165 Resp: 13532
Ion Ratio Lower Upper
165 100
63 65.8 22.6 34.0#
89 87.1 53.2 79.8#
182 8.6 2.3 3.5#

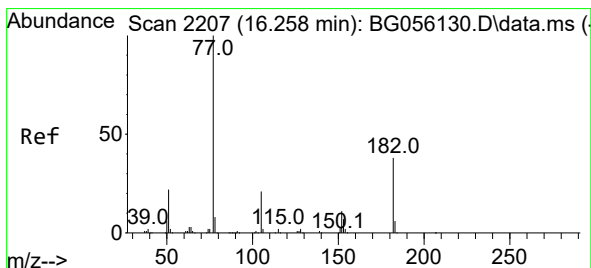
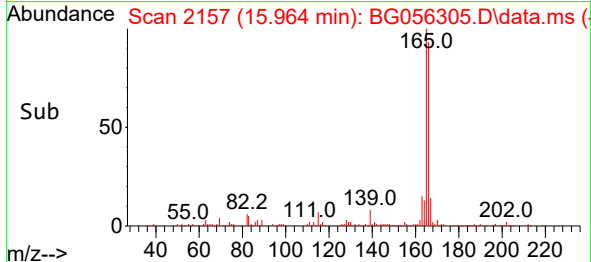
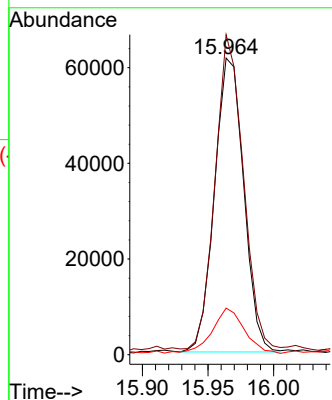
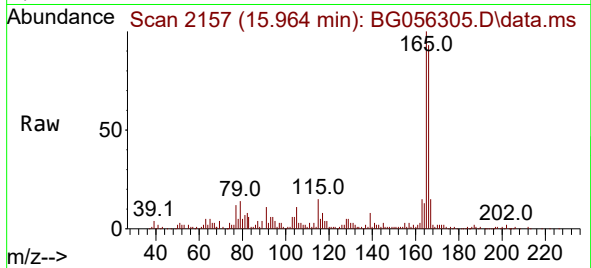




#58
Fluorene
Concen: 8.085 ng
RT: 15.964 min Scan# 2161
Delta R.T. -0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

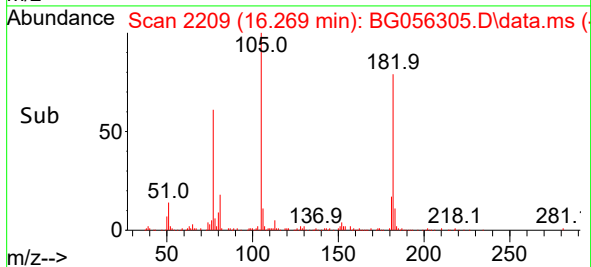
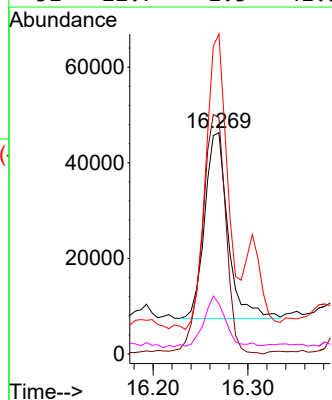
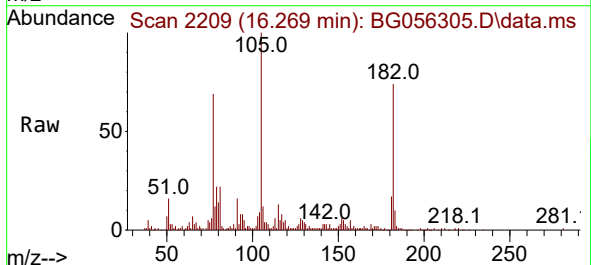
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

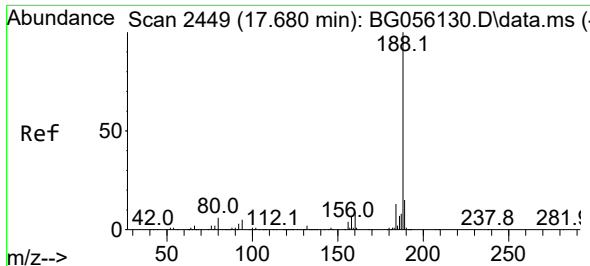
Tgt Ion:166 Resp: 95030
Ion Ratio Lower Upper
166 100
165 107.9 78.6 118.0
167 15.7 11.1 16.7



#63
Azobenzene
Concen: 7.681 ng
RT: 16.269 min Scan# 2209
Delta R.T. 0.027 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion: 77 Resp: 66236
Ion Ratio Lower Upper
77 100
182 106.9 18.5 58.5#
105 144.6 1.4 41.4#
51 22.7 1.5 41.5

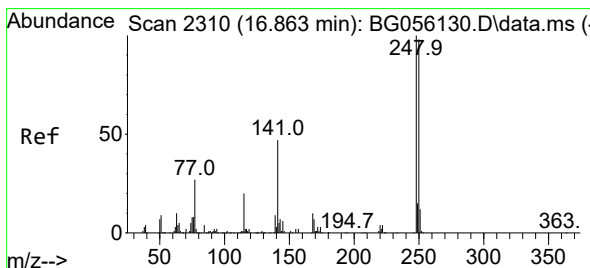
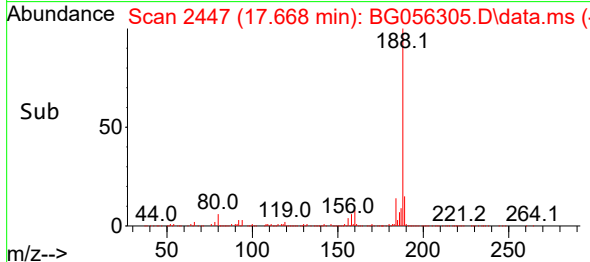
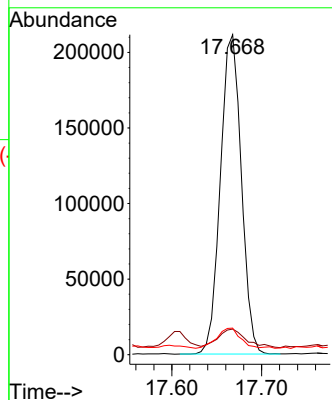
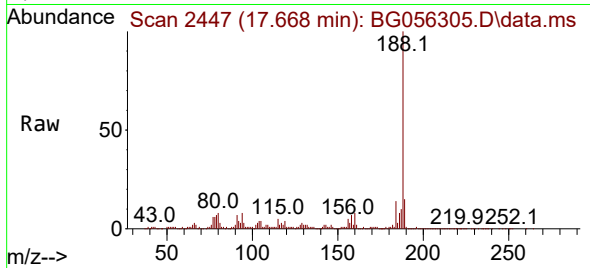




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2449
Delta R.T. 0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

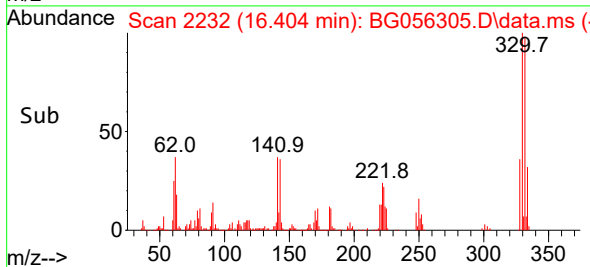
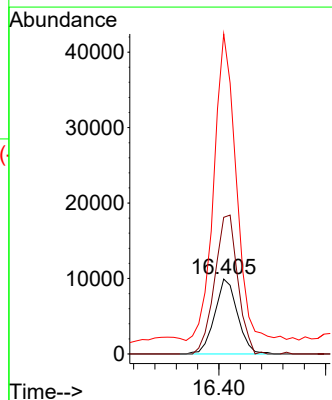
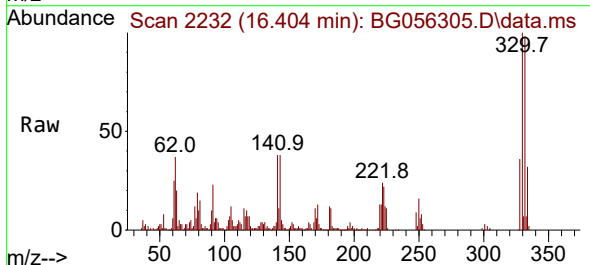
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

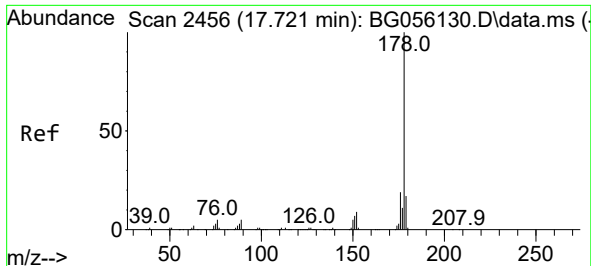
Tgt Ion:188 Resp: 341823
Ion Ratio Lower Upper
188 100
94 8.0 4.2 6.2#
80 8.3 5.0 7.4#



#67
4-Bromophenyl-phenylether
Concen: 3.381 ng
RT: 16.404 min Scan# 2232
Delta R.T. -0.443 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:248 Resp: 14715
Ion Ratio Lower Upper
248 100
250 182.6 78.2 117.4#
141 427.6 37.6 56.4#

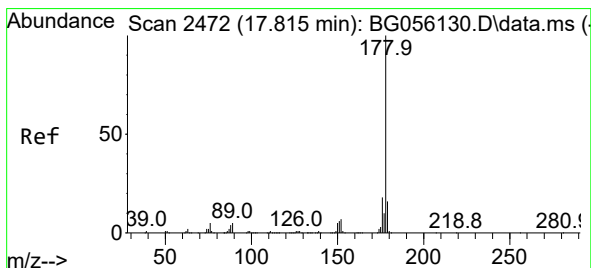
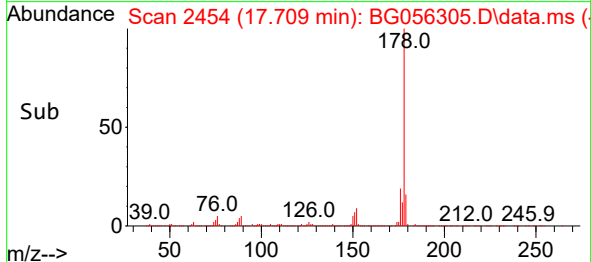
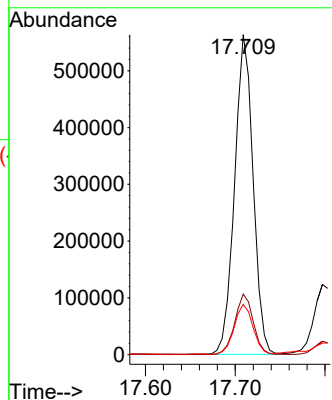
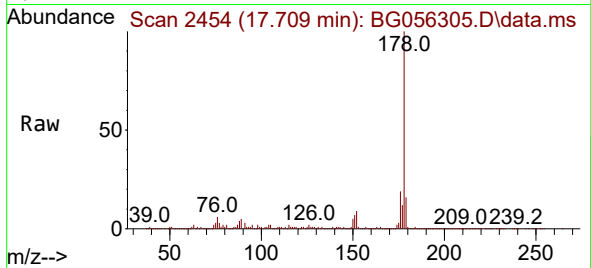




#71
Phenanthrene
Concen: 45.424 ng
RT: 17.709 min Scan# 2456
Delta R.T. -0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

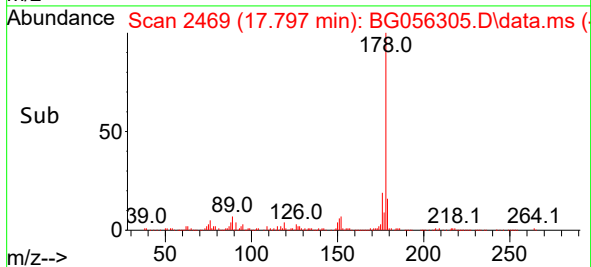
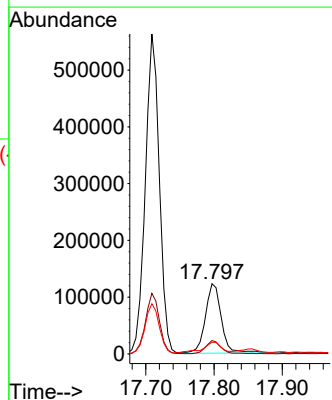
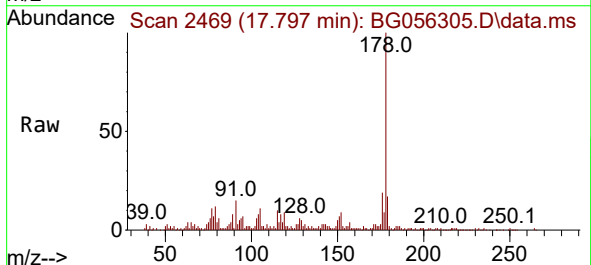
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

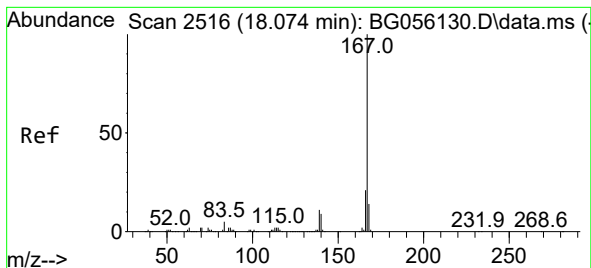
Tgt Ion:178 Resp: 804662
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 13.6 20.4



#72
Anthracene
Concen: 10.936 ng
RT: 17.797 min Scan# 2469
Delta R.T. -0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:178 Resp: 199842
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 16.7 12.7 19.1





#73

Carbazole

Concen: 3.236 ng

RT: 18.061 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

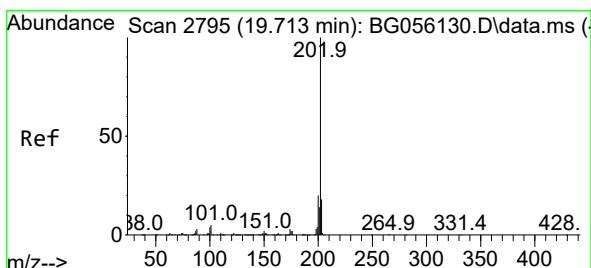
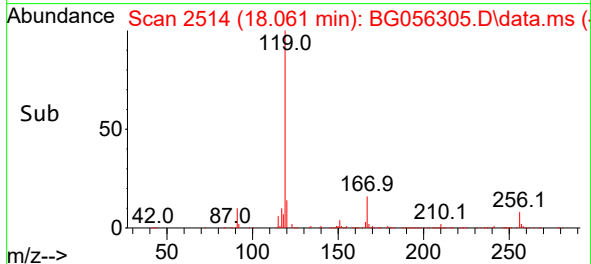
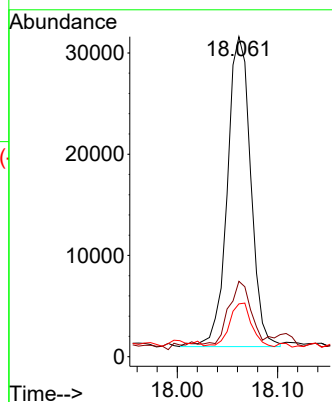
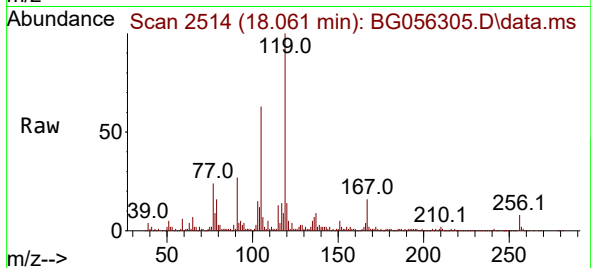
Tgt Ion:167 Resp: 49698

Ion Ratio Lower Upper

167 100

166 23.6 16.8 25.2

139 16.5 8.9 13.3#



#75

Fluoranthene

Concen: 38.809 ng

RT: 19.701 min Scan# 2793

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

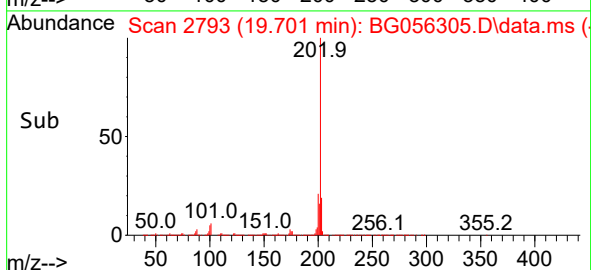
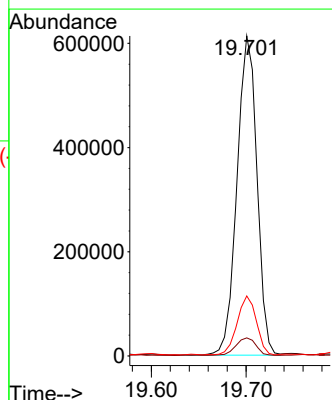
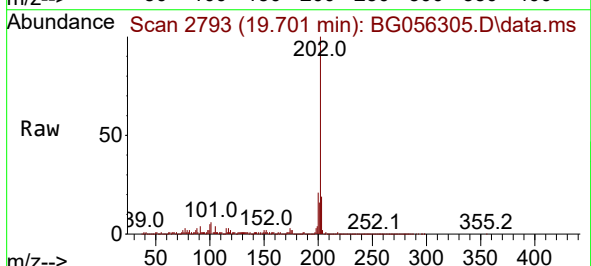
Tgt Ion:202 Resp: 896746

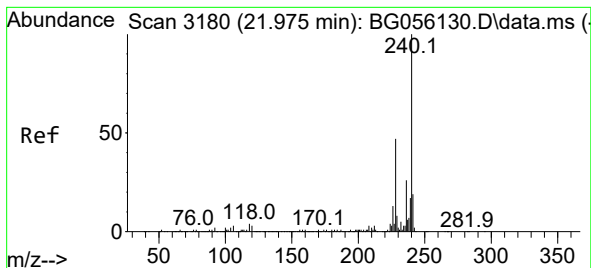
Ion Ratio Lower Upper

202 100

101 5.7 0.0 25.0

203 18.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.963 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

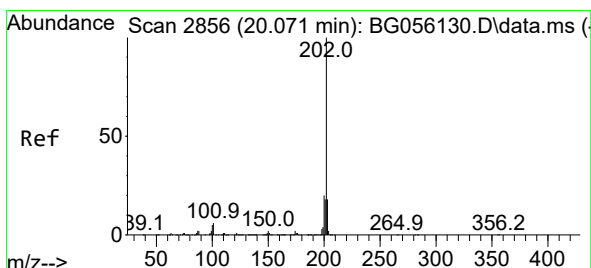
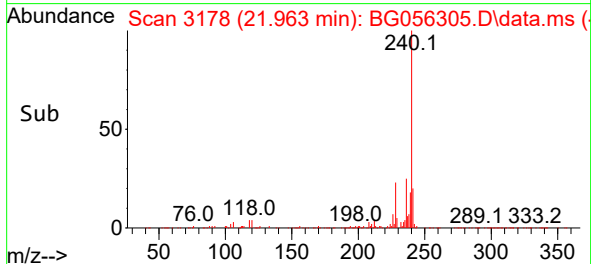
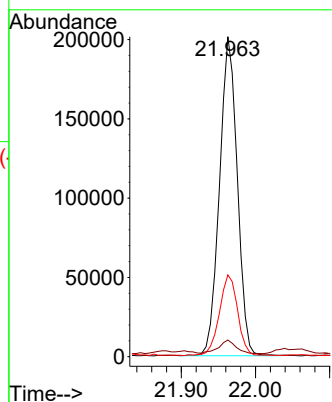
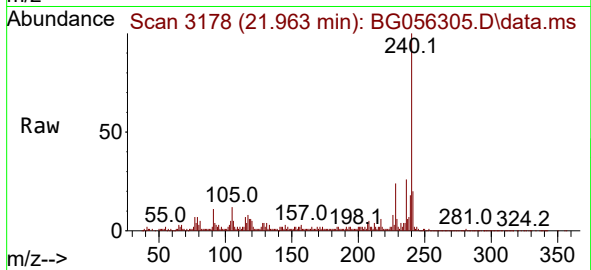
Tgt Ion:240 Resp: 334534

Ion Ratio Lower Upper

240 100

120 5.2 2.6 4.0#

236 25.6 20.8 31.2



#78

Pyrene

Concen: 34.337 ng

RT: 20.059 min Scan# 2854

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

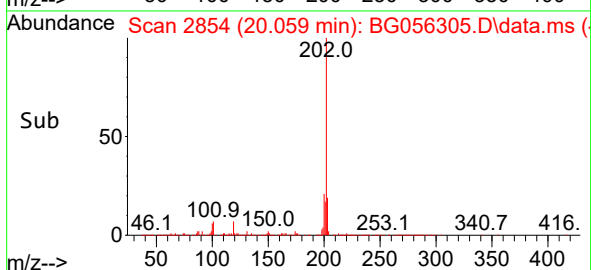
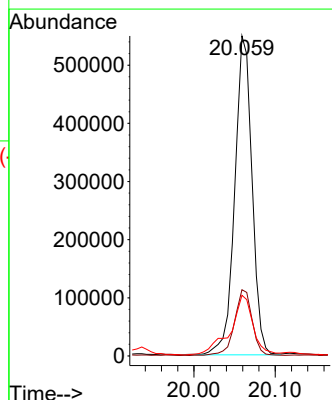
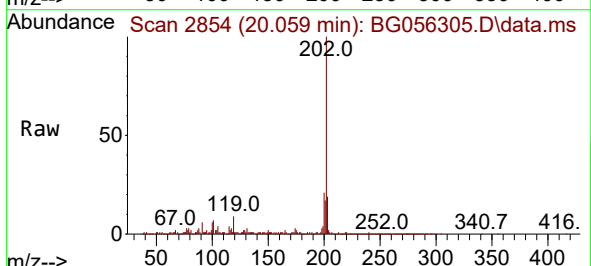
Tgt Ion:202 Resp: 809656

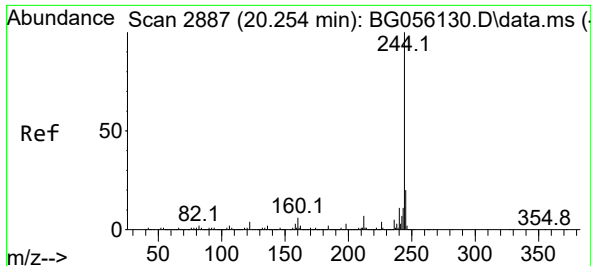
Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

203 18.9 14.3 21.5

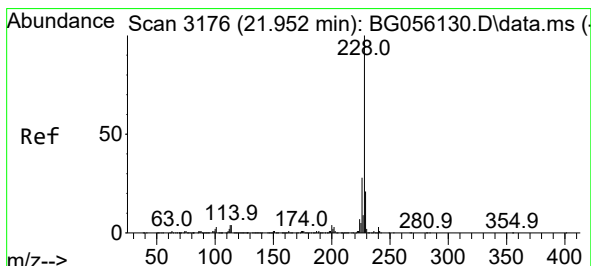
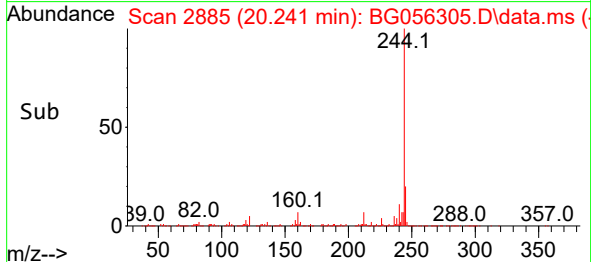
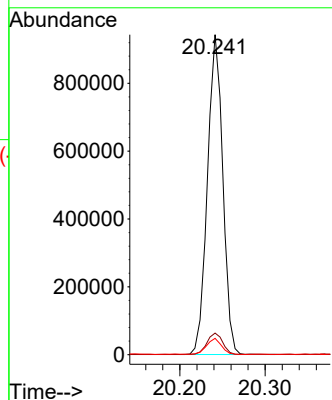
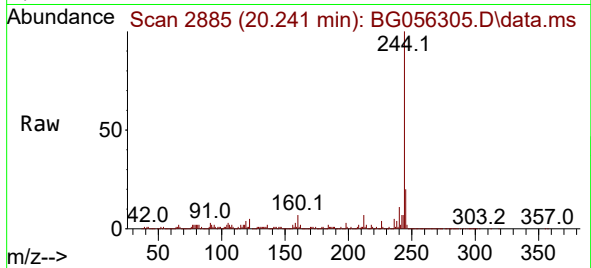




#79
 Terphenyl-d14
 Concen: 63.225 ng
 RT: 20.241 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG056305.D
 Acq: 16 Jan 2023 20:54

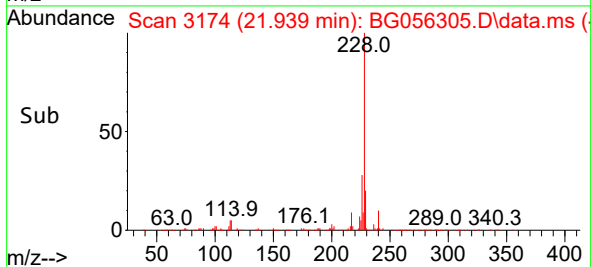
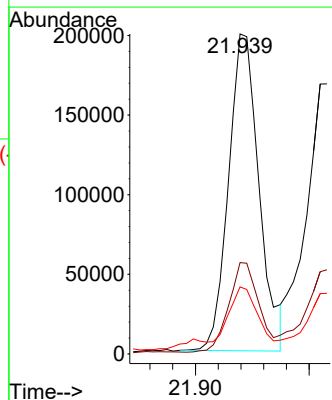
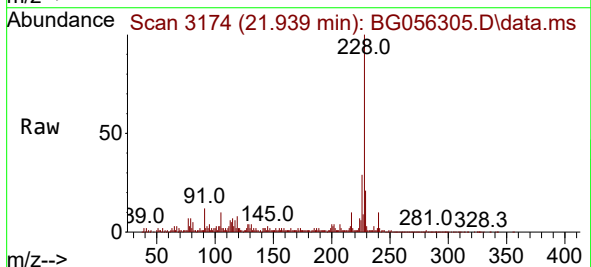
Instrument :
 BNA_G
 ClientSampleId :
 20230113-H4-STOCKPILE

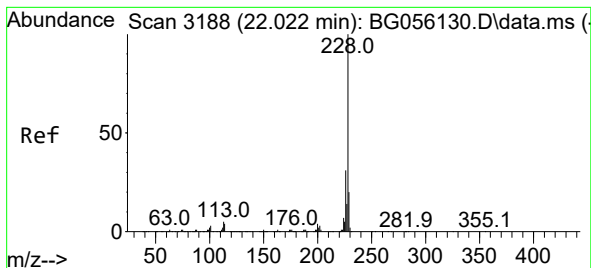
Tgt Ion:244 Resp: 1180927
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 5.1 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 15.751 ng
 RT: 21.939 min Scan# 3174
 Delta R.T. -0.003 min
 Lab File: BG056305.D
 Acq: 16 Jan 2023 20:54

Tgt Ion:228 Resp: 370085
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 34.0
 229 20.9 16.9 25.3





#83

Chrysene

Concen: 14.898 ng

RT: 22.016 min Scan# 3187

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

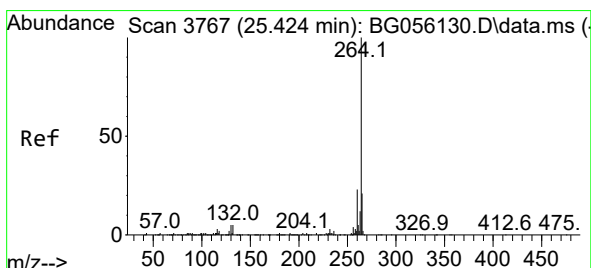
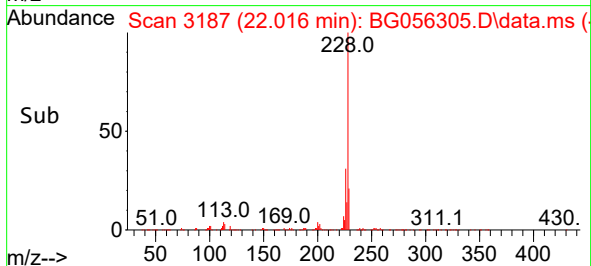
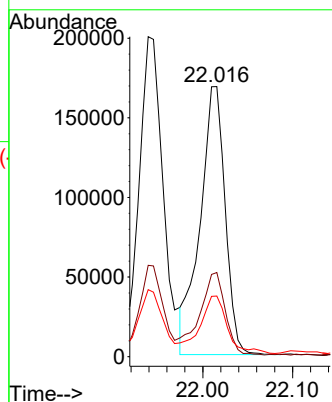
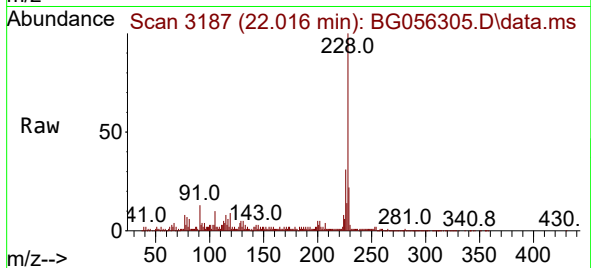
Tgt Ion:228 Resp: 327887

Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

229 22.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.412 min Scan# 3765

Delta R.T. 0.009 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

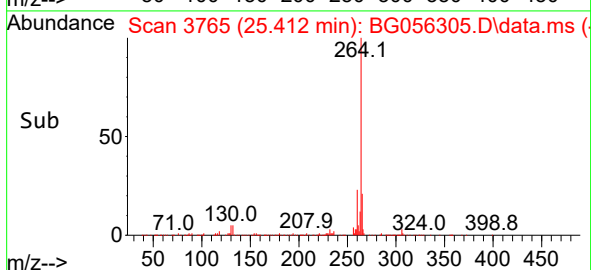
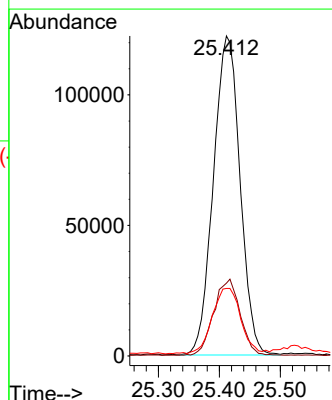
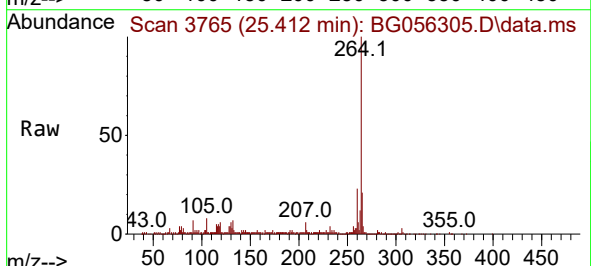
Tgt Ion:264 Resp: 371943

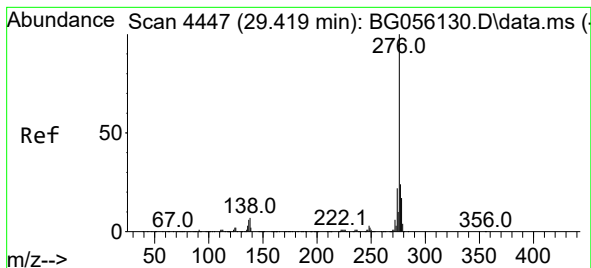
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.685 ng

RT: 29.372 min Scan# 4447

Delta R.T. 0.009 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

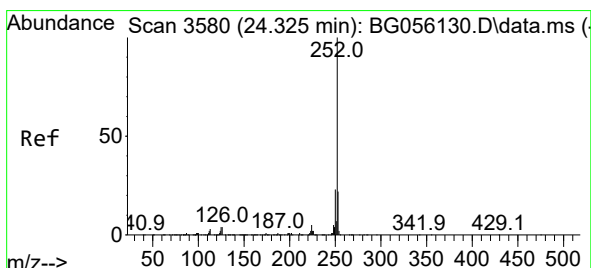
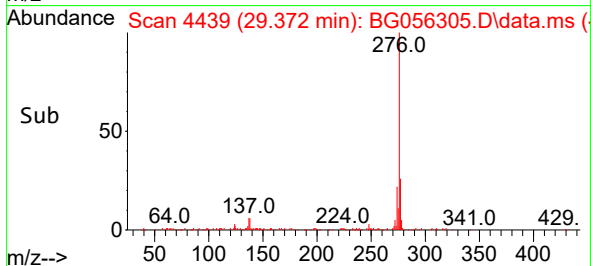
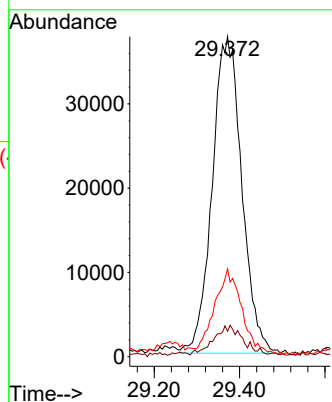
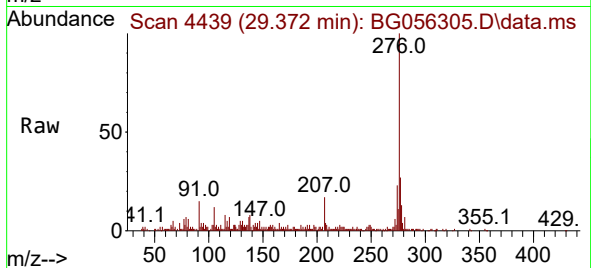
Tgt Ion:276 Resp: 180824

Ion Ratio Lower Upper

276 100

138 8.5 5.0 7.4#

277 24.9 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 16.415 ng

RT: 24.313 min Scan# 3578

Delta R.T. 0.015 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

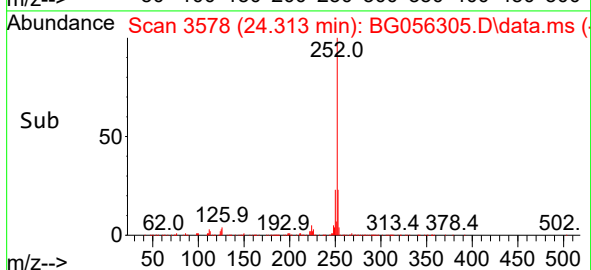
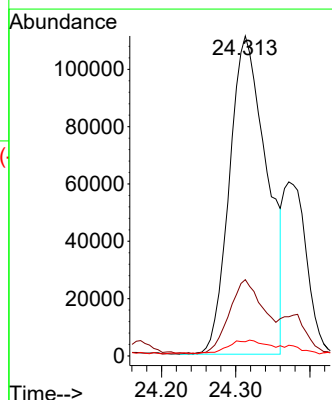
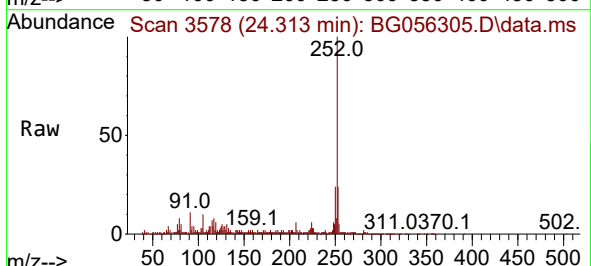
Tgt Ion:252 Resp: 387909

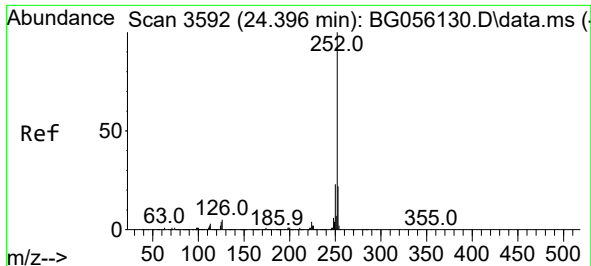
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 4.4 3.0 4.4

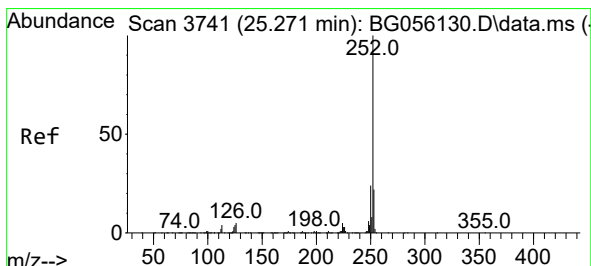
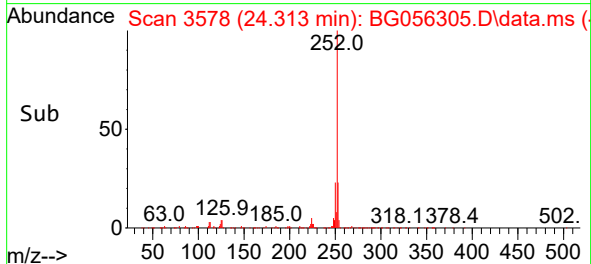
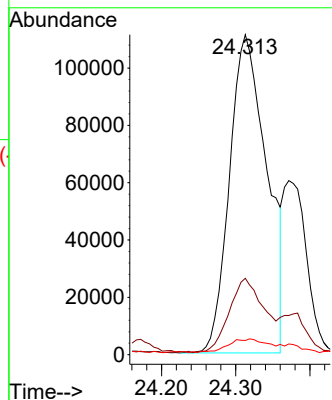
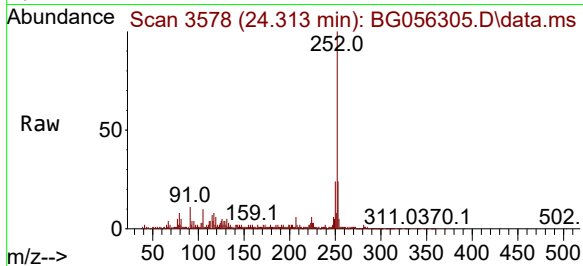




#89
Benzo(k)fluoranthene
Concen: 16.484 ng
RT: 24.313 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

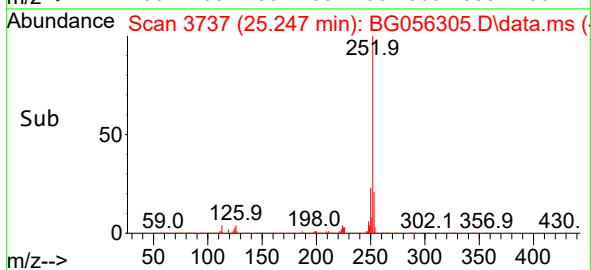
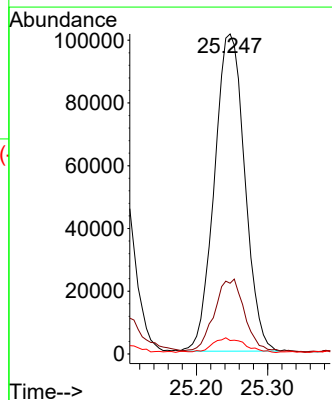
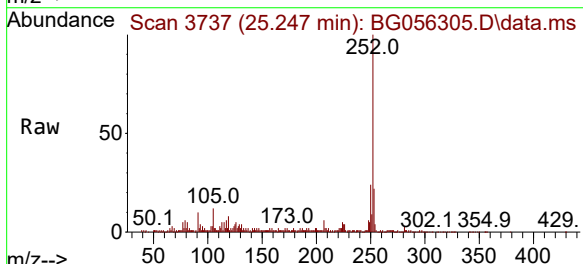
Instrument :
BNA_G
ClientSampleId :
20230113-H4-STOCKPILE

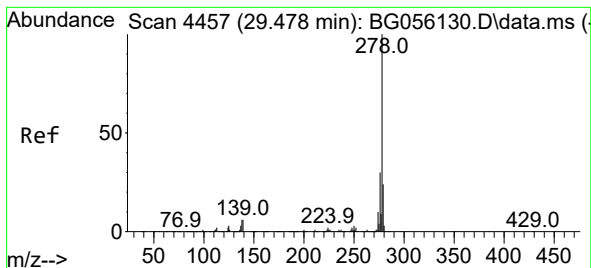
Tgt Ion:252 Resp: 387909
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 4.4 3.4 5.0



#90
Benzo(a)pyrene
Concen: 12.974 ng
RT: 25.247 min Scan# 3737
Delta R.T. 0.003 min
Lab File: BG056305.D
Acq: 16 Jan 2023 20:54

Tgt Ion:252 Resp: 299035
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 4.2 3.2 4.8





#91

Dibenzo(a,h)anthracene

Concen: 2.140 ng

RT: 29.413 min Scan# 4446

Delta R.T. -0.020 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Instrument :

BNA_G

ClientSampleId :

20230113-H4-STOCKPILE

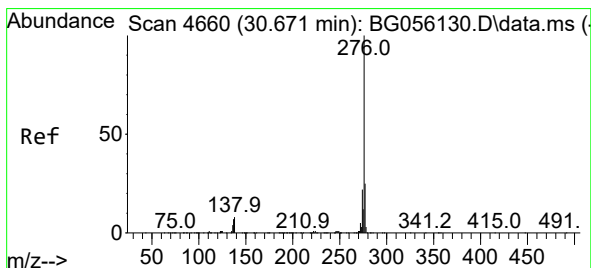
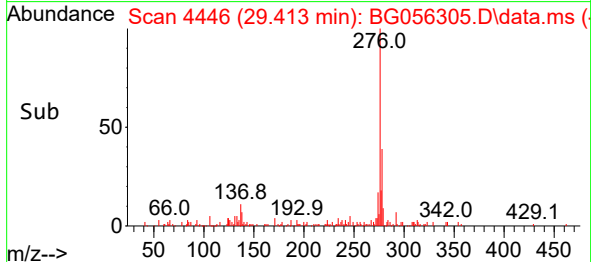
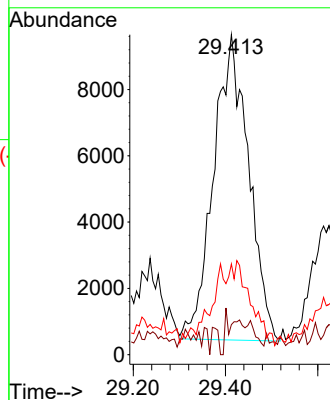
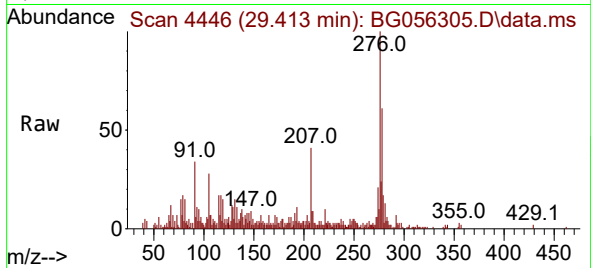
Tgt Ion:278 Resp: 48525

Ion Ratio Lower Upper

278 100

139 9.4 4.8 7.2#

279 28.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 7.748 ng

RT: 30.617 min Scan# 4651

Delta R.T. 0.003 min

Lab File: BG056305.D

Acq: 16 Jan 2023 20:54

Tgt Ion:276 Resp: 170408

Ion Ratio Lower Upper

276 100

277 22.8 19.7 29.5

138 8.9 6.7 10.1

