

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056193.D
 Acq On : 3 Jan 2023 19:44
 Operator : CG/JU
 Sample : N6248-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-15

Quant Time: Jan 04 02:15:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 04 02:08:15 2023
 Response via : Initial Calibration

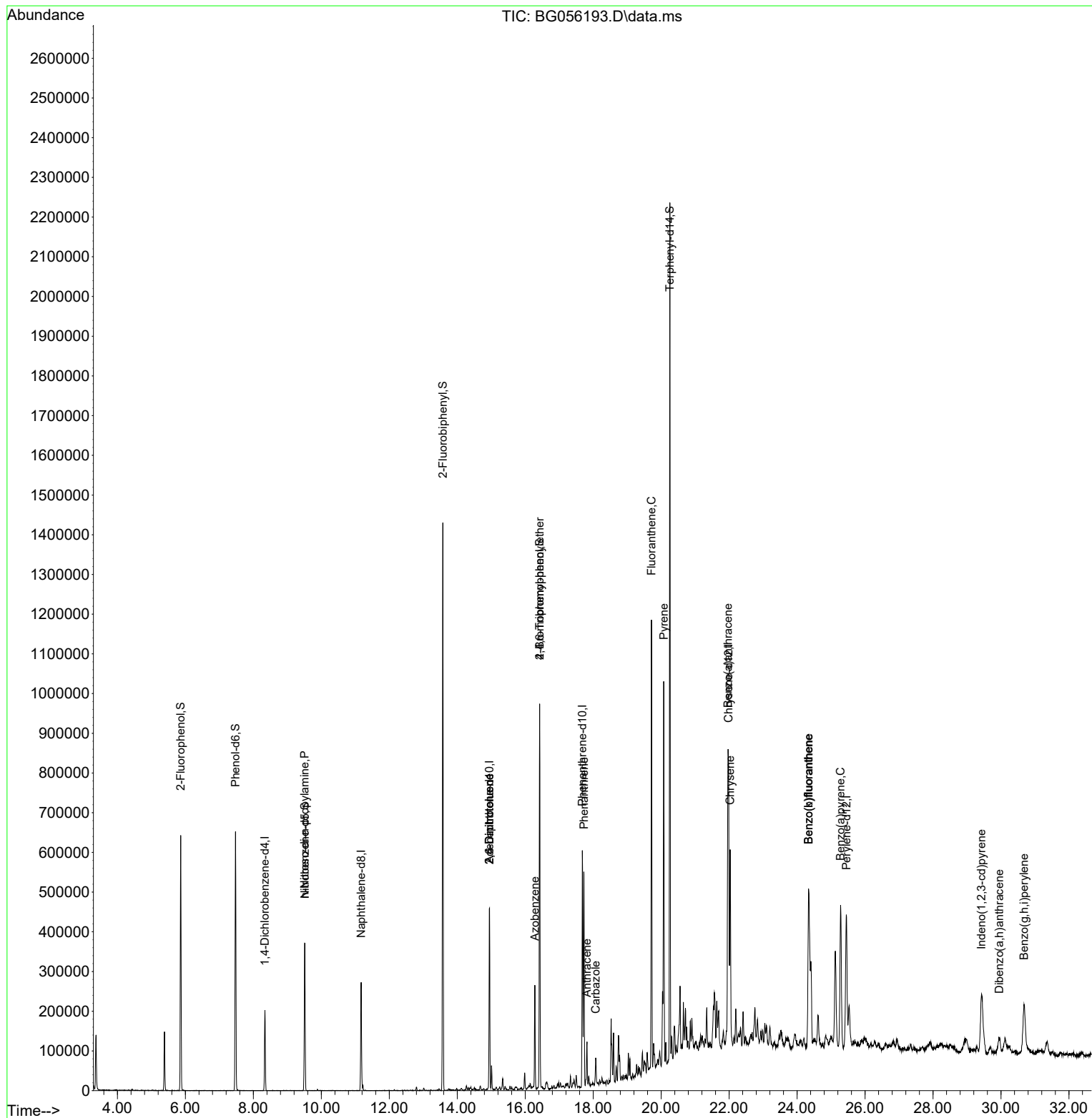
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	62911	20.000	ng	0.00
21) Naphthalene-d8	11.173	136	247639	20.000	ng	0.00
39) Acenaphthene-d10	14.951	164	179203	20.000	ng	0.00
64) Phenanthrene-d10	17.683	188	414925	20.000	ng	0.00
76) Chrysene-d12	21.984	240	381740	20.000	ng	0.00
86) Perylene-d12	25.450	264	420323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	353759	100.401	ng	0.01
7) Phenol-d6	7.477	99	508234	93.926	ng	0.00
23) Nitrobenzene-d5	9.516	82	272775	56.344	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	194538	85.716	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	787384	60.674	ng	0.00
79) Terphenyl-d14	20.256	244	1176613	55.204	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.510	70	34734	10.556	ng	# 72
51) 2,6-Dinitrotoluene	14.945	165	23308	7.561	ng	# 32
57) 2,4-Dinitrotoluene	14.945	165	23308	5.407	ng	# 29
63) Azobenzene	16.284	77	65890	6.294	ng	# 1
67) 4-Bromophenyl-phenylether	16.425	248	16515	3.126	ng	# 1
71) Phenanthrene	17.730	178	387206	18.007	ng	98
72) Anthracene	17.818	178	80795	3.642	ng	96
73) Carbazole	18.076	167	48046	2.577	ng	95
75) Fluoranthene	19.716	202	782302	27.891	ng	100
78) Pyrene	20.080	202	701515	26.072	ng	100
81) Benzo(a)anthracene	21.966	228	433815	16.180	ng	100
83) Chrysene	22.031	228	412855	16.438	ng	97
87) Indeno(1,2,3-cd)pyrene	29.428	276	315305	10.315	ng	# 99
88) Benzo(b)fluoranthene	24.340	252	612678	22.942	ng	97
89) Benzo(k)fluoranthene	24.340	252	612678	23.039	ng	98
90) Benzo(a)pyrene	25.280	252	474209	18.205	ng	97
91) Dibenzo(a,h)anthracene	29.951	278	66258	2.585	ng	99
92) Benzo(g,h,i)perylene	30.679	276	317670	12.782	ng	98

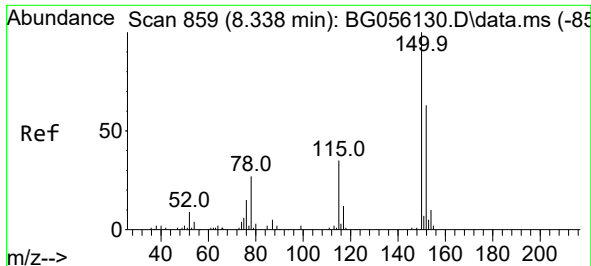
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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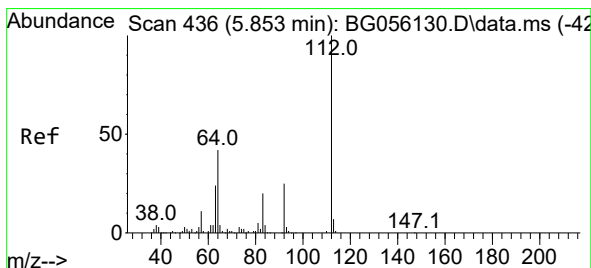
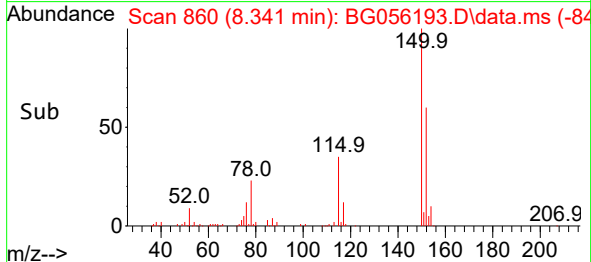
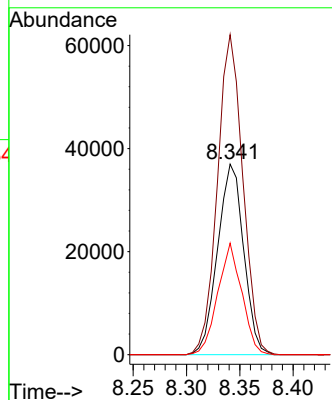
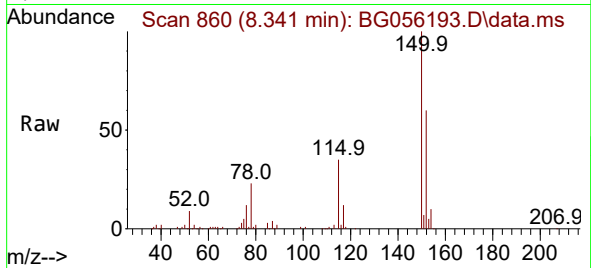




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

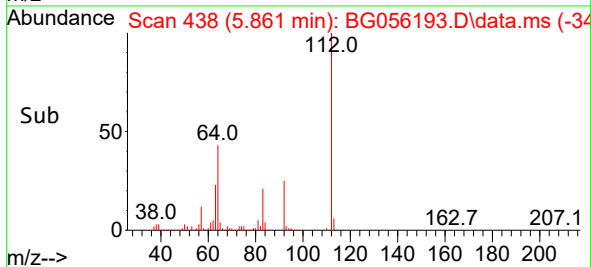
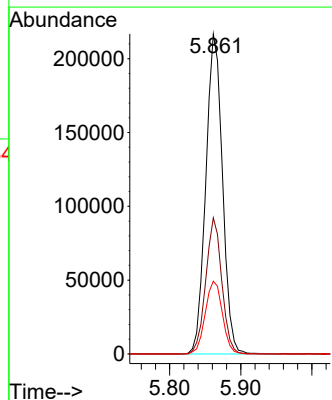
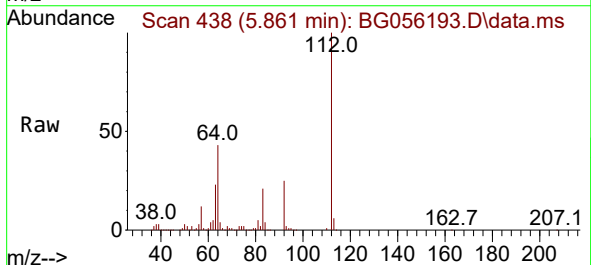
Instrument :
BNA_G
ClientSampleId :
TP-15

Tgt Ion:152 Resp: 62911
Ion Ratio Lower Upper
152 100
150 167.9 127.9 191.9
115 58.5 44.2 66.2



#5
2-Fluorophenol
Concen: 100.401 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.014 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion:112 Resp: 353759
Ion Ratio Lower Upper
112 100
64 42.6 33.3 49.9
63 22.8 19.0 28.4

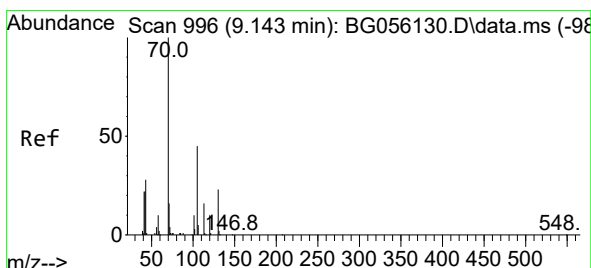
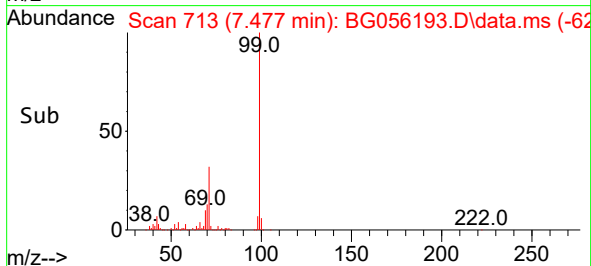
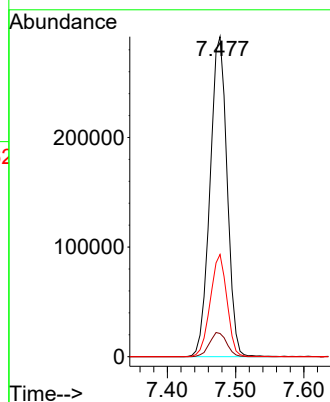
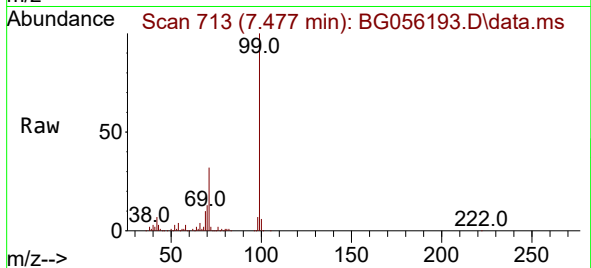




#7
Phenol-d6
Concen: 93.926 ng
RT: 7.477 min Scan# 711
Delta R.T. 0.009 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

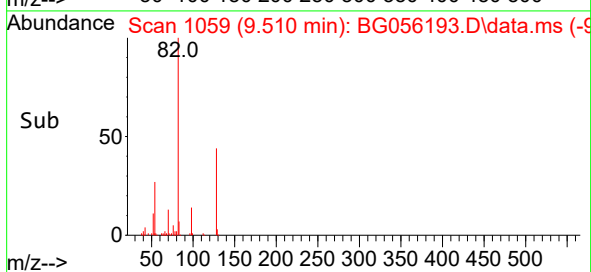
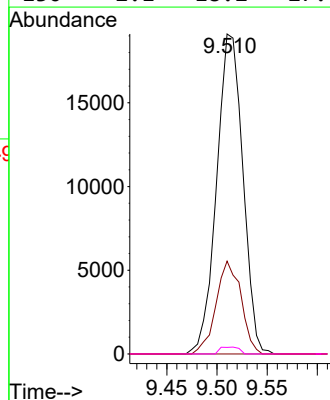
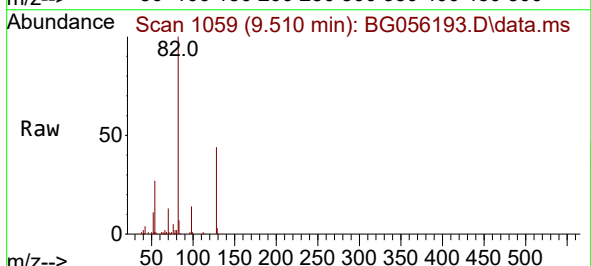
Instrument :
BNA_G
ClientSampleId :
TP-15

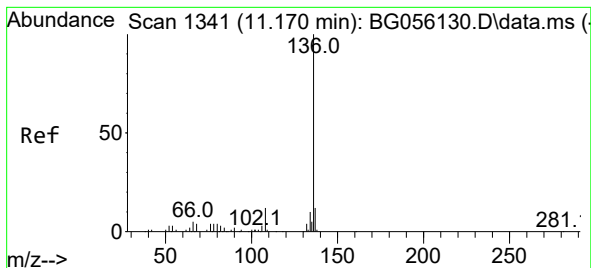
Tgt Ion: 99 Resp: 508234
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 32.0 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.556 ng
RT: 9.510 min Scan# 1059
Delta R.T. 0.373 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion: 70 Resp: 34734
Ion Ratio Lower Upper
70 100
42 29.0 18.2 27.2#
101 0.0 8.3 12.5#
130 2.1 18.2 27.4#

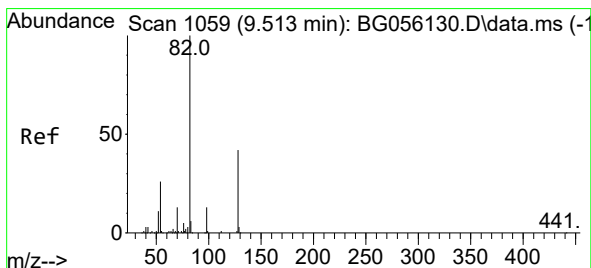
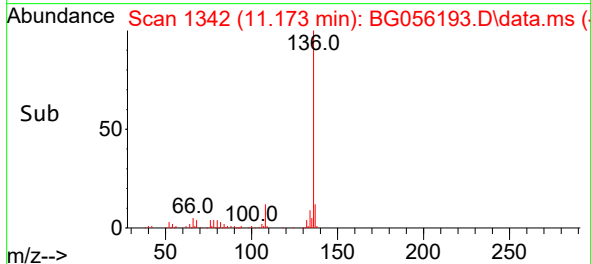
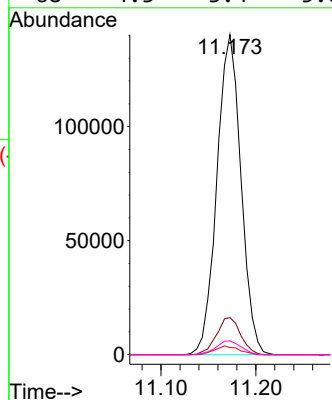
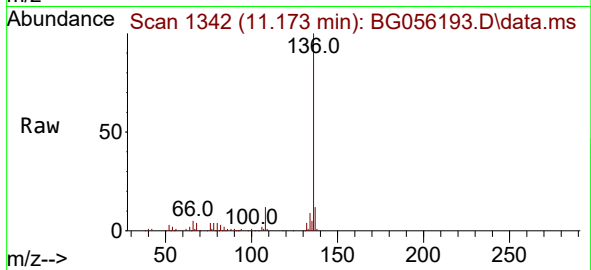




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.173 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

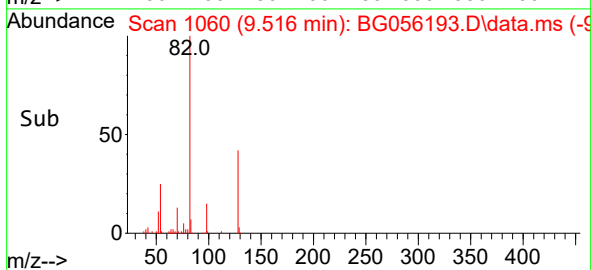
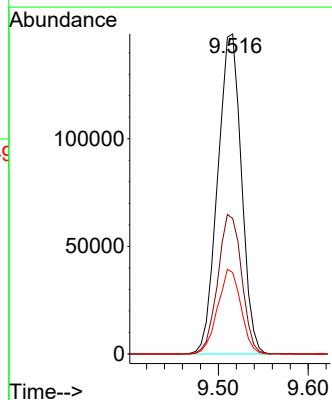
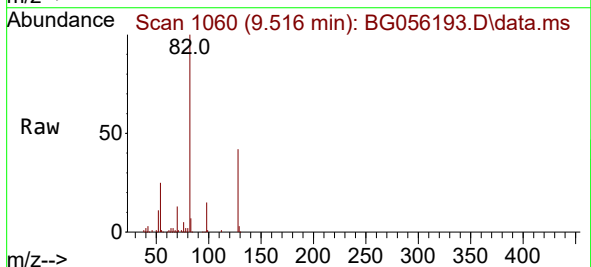
Instrument :
BNA_G
ClientSampleId :
TP-15

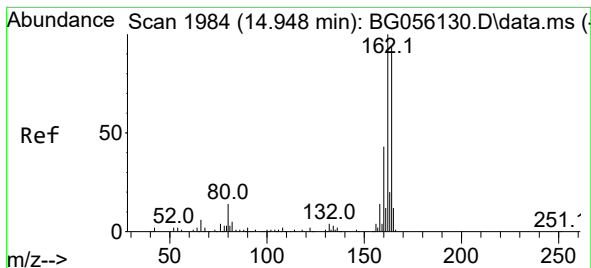
Tgt Ion:136 Resp: 247639
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.2 2.2 3.2
68 4.3 3.4 5.0



#23
Nitrobenzene-d5
Concen: 56.344 ng
RT: 9.516 min Scan# 1060
Delta R.T. 0.009 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion: 82 Resp: 272775
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.2
54 25.5 20.3 30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.951 min Scan# 1985

Delta R.T. 0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

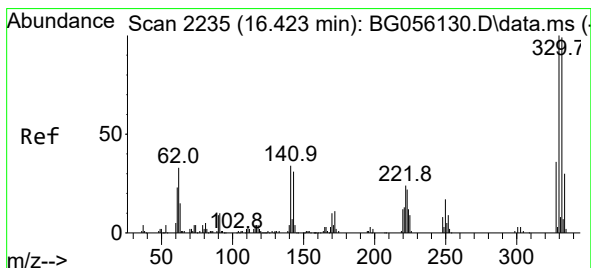
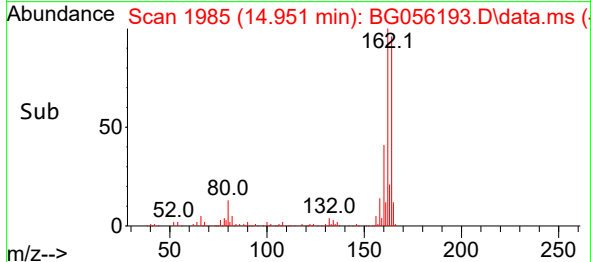
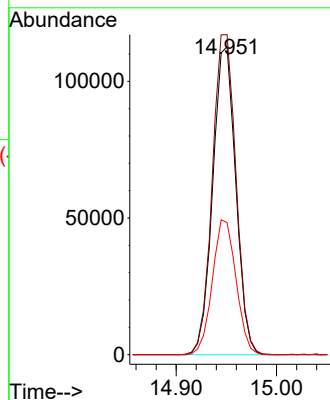
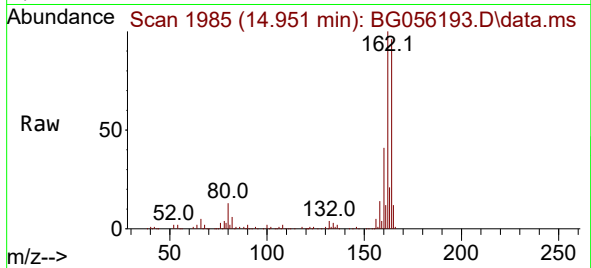
Tgt Ion:164 Resp: 179203

Ion Ratio Lower Upper

164 100

162 103.9 84.7 127.1

160 42.9 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 85.716 ng

RT: 16.425 min Scan# 2236

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

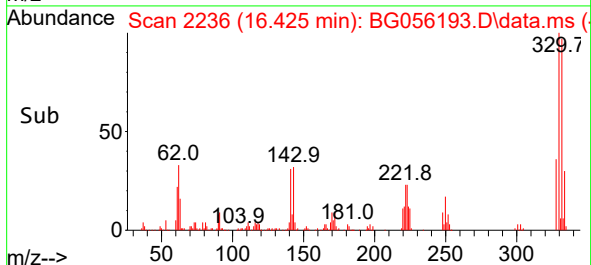
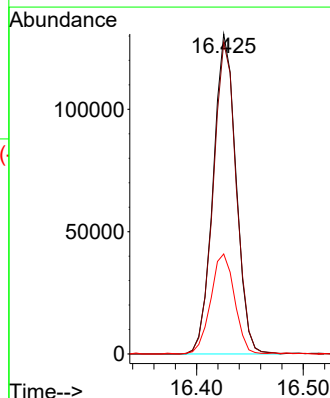
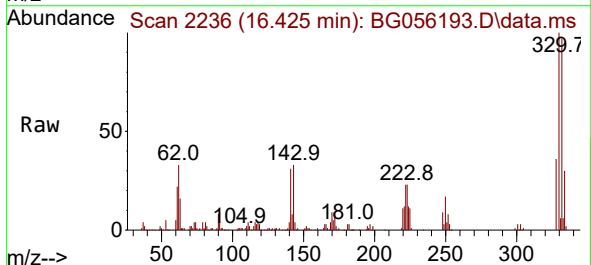
Tgt Ion:330 Resp: 194538

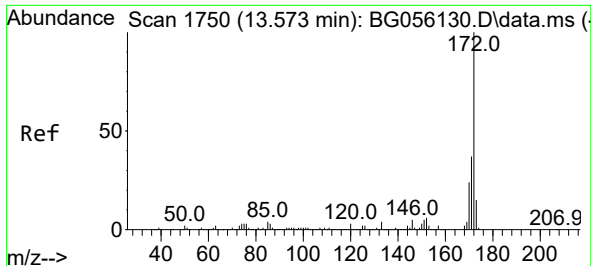
Ion Ratio Lower Upper

330 100

332 98.2 77.3 115.9

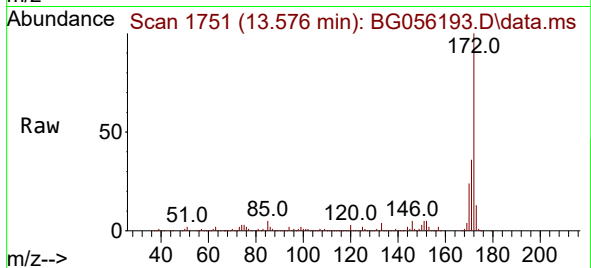
141 32.7 27.9 41.9



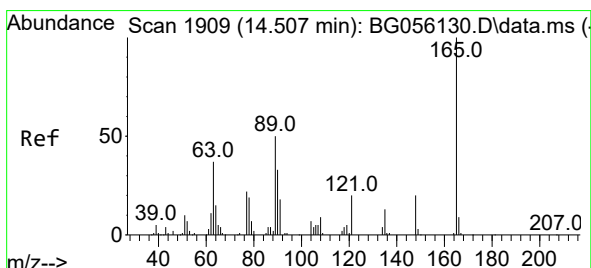
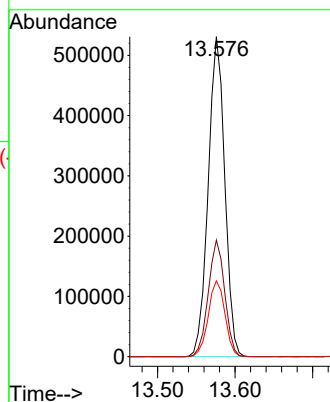
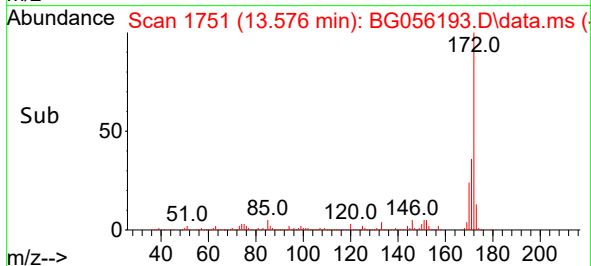


#45
2-Fluorobiphenyl
Concen: 60.674 ng
RT: 13.576 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

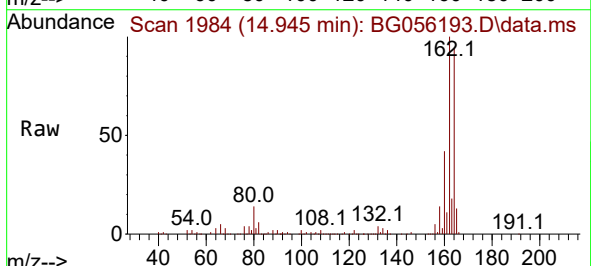
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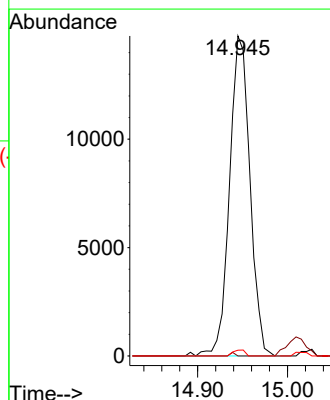
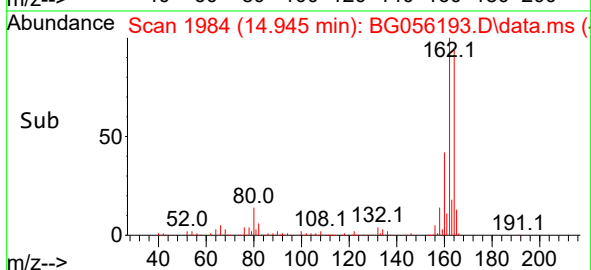
Tgt Ion:172 Resp: 787384
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.561 ng
RT: 14.945 min Scan# 1984
Delta R.T. 0.432 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44



Tgt Ion:165 Resp: 23308
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.8 39.8 59.8#

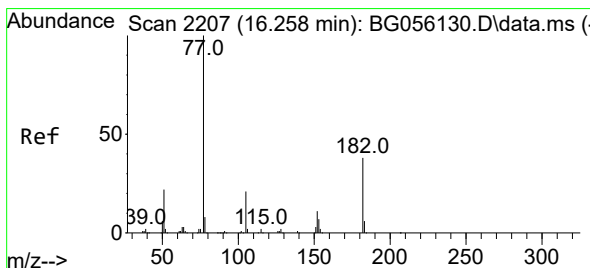
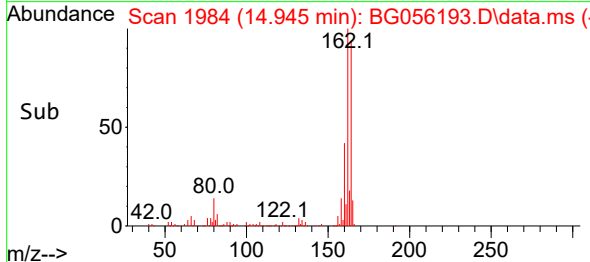
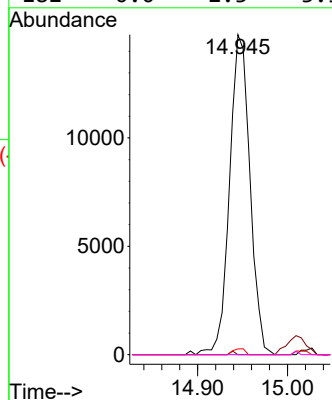
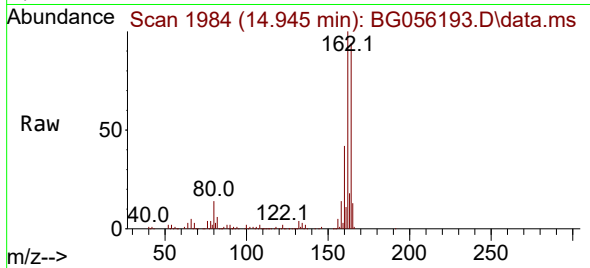




#57
2,4-Dinitrotoluene
Concen: 5.407 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.350 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

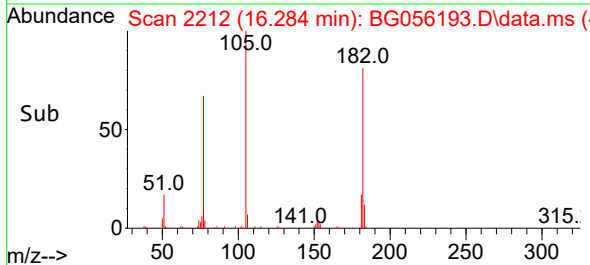
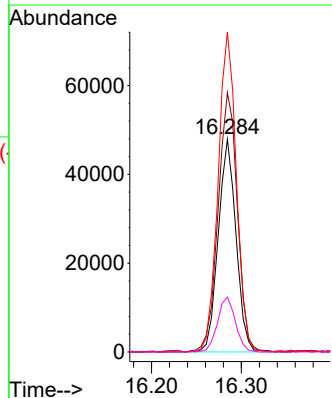
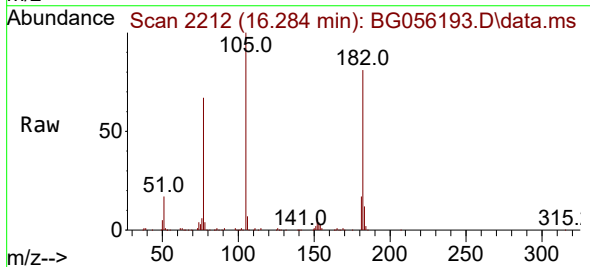
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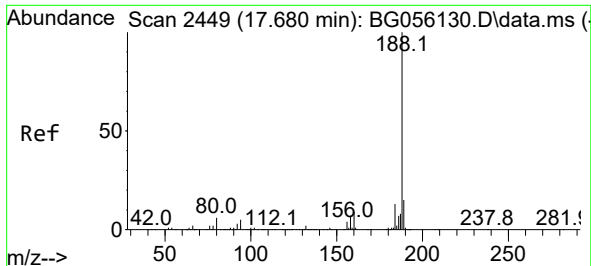
Tgt Ion:165 Resp: 23308
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.8 53.2 79.8#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 6.294 ng
RT: 16.284 min Scan# 2212
Delta R.T. 0.020 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion: 77 Resp: 65890
Ion Ratio Lower Upper
77 100
182 121.9 18.5 58.5#
105 150.4 1.4 41.4#
51 25.8 1.5 41.5

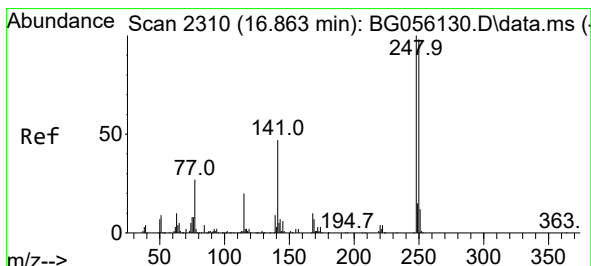
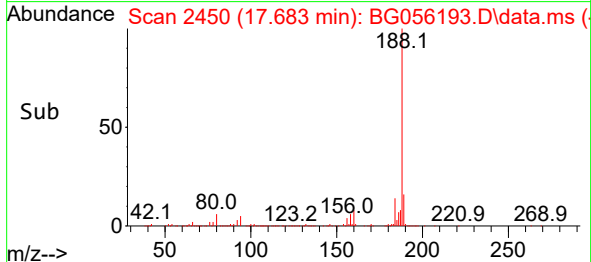
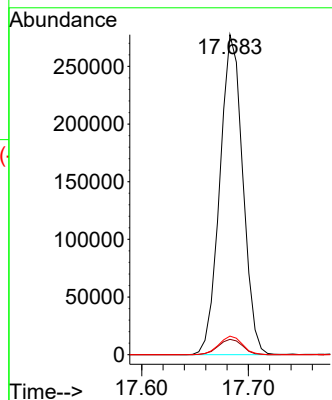
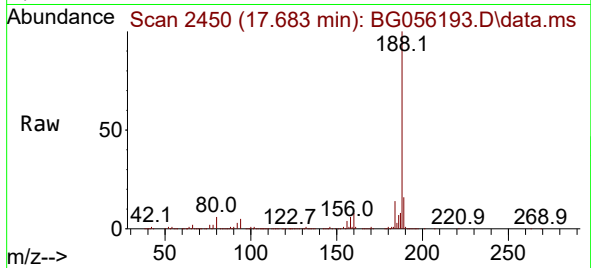




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.683 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

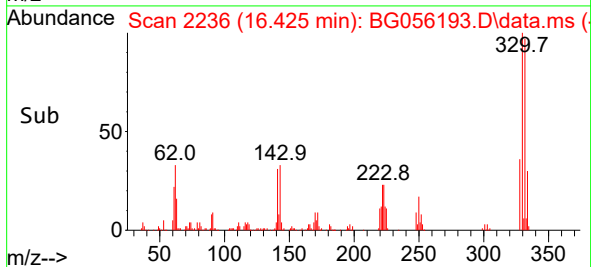
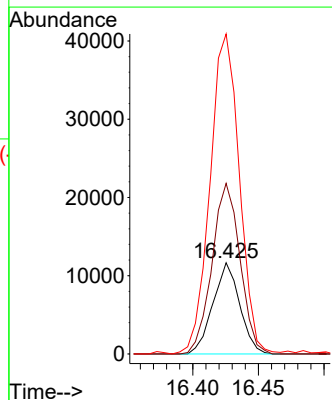
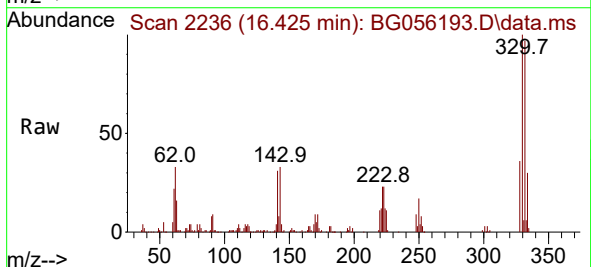
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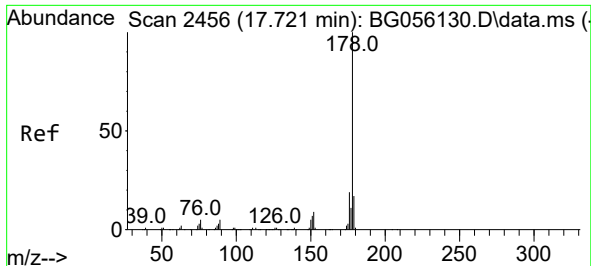
Tgt Ion:188 Resp: 414925
Ion Ratio Lower Upper
188 100
94 4.8 4.2 6.2
80 5.8 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.126 ng
RT: 16.425 min Scan# 2236
Delta R.T. -0.438 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion:248 Resp: 16515
Ion Ratio Lower Upper
248 100
250 186.9 78.2 117.4#
141 350.7 37.6 56.4#

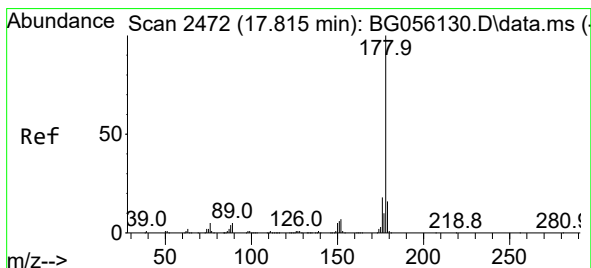
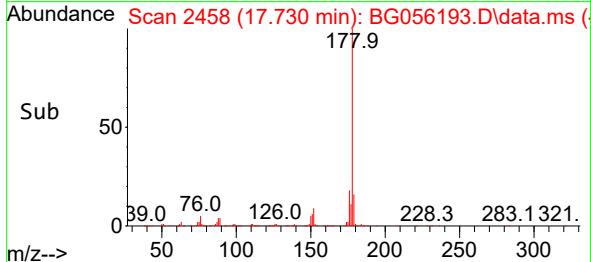
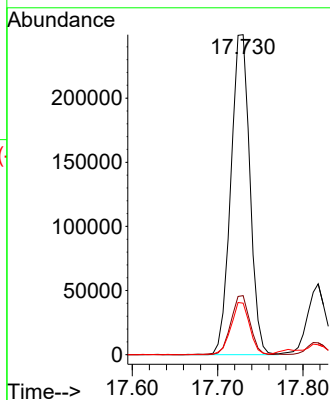
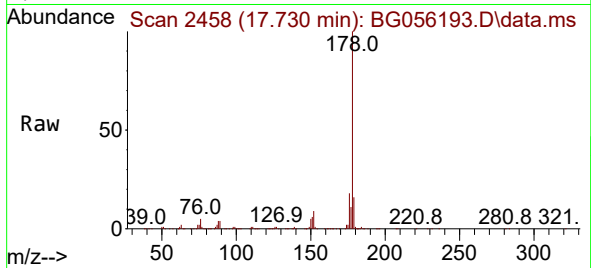




#71
Phenanthrene
Concen: 18.007 ng
RT: 17.730 min Scan# 2456
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

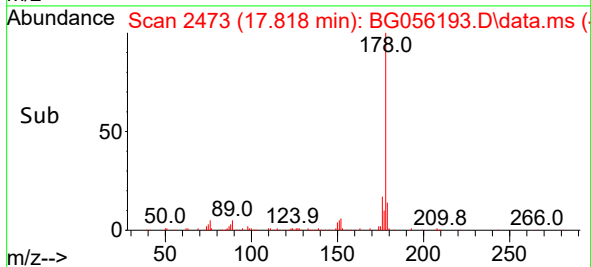
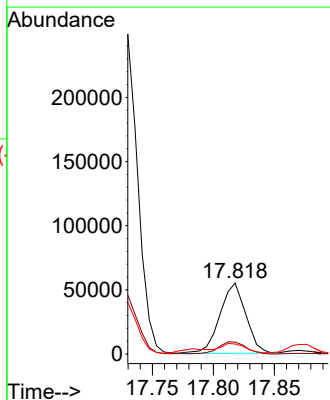
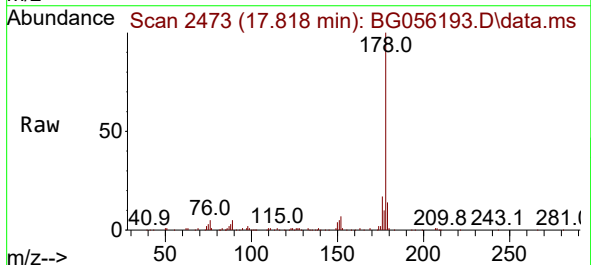
Instrument :
BNA_G
ClientSampleId :
TP-15

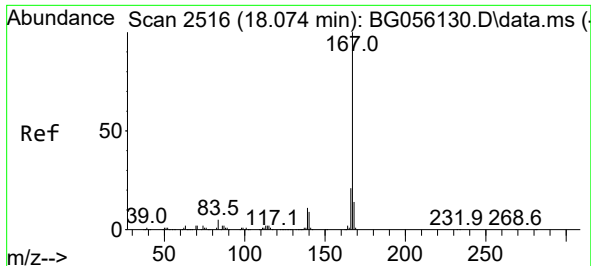
Tgt Ion:178 Resp: 387206
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.1 13.6 20.4



#72
Anthracene
Concen: 3.642 ng
RT: 17.818 min Scan# 2473
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion:178 Resp: 80795
Ion Ratio Lower Upper
178 100
176 16.6 14.6 22.0
179 14.0 12.7 19.1

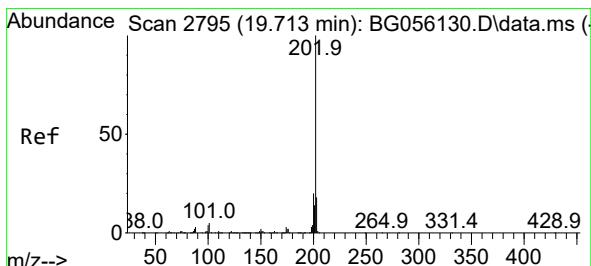
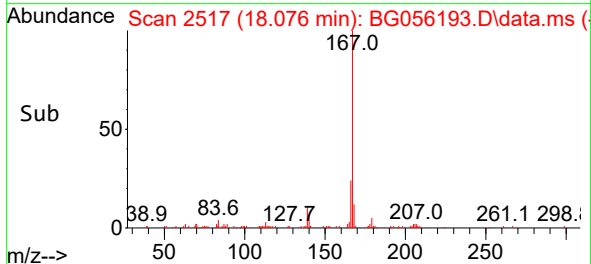
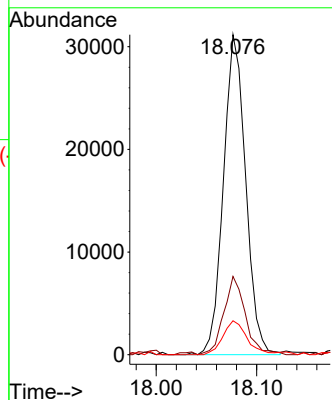
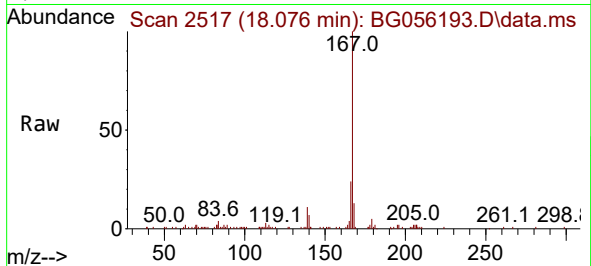




#73
 Carbazole
 Concen: 2.577 ng
 RT: 18.076 min Scan# 2516
 Delta R.T. -0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

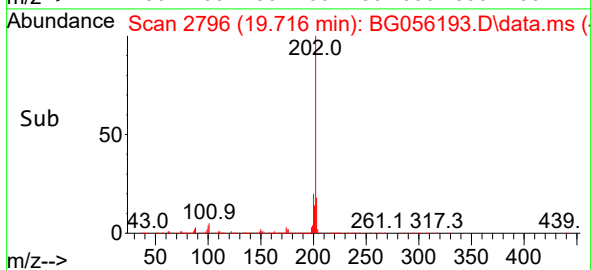
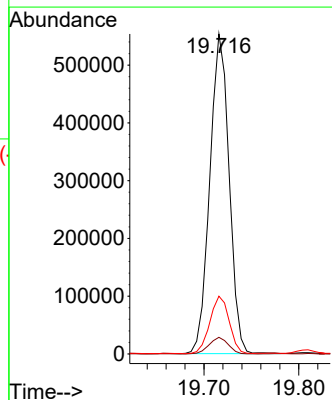
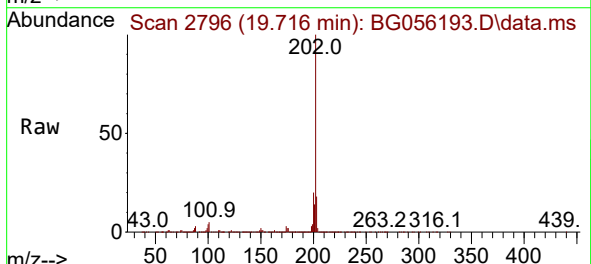
Instrument :
 BNA_G
 ClientSampleId :
 TP-15

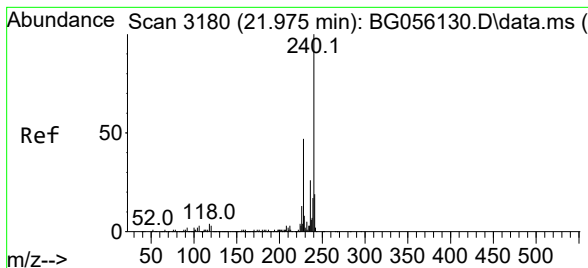
Tgt Ion:167 Resp: 48046
 Ion Ratio Lower Upper
 167 100
 166 24.5 16.8 25.2
 139 10.6 8.9 13.3



#75
 Fluoranthene
 Concen: 27.891 ng
 RT: 19.716 min Scan# 2796
 Delta R.T. -0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

Tgt Ion:202 Resp: 782302
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 25.0
 203 18.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.984 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

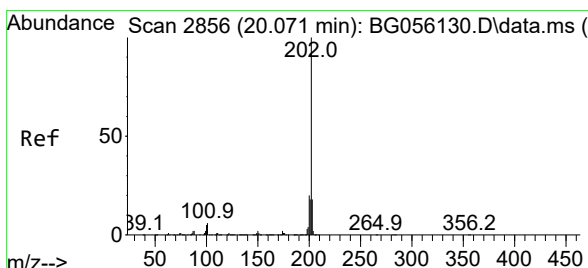
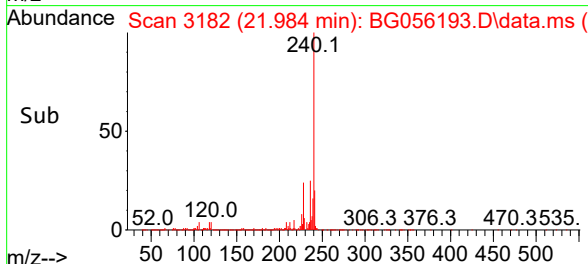
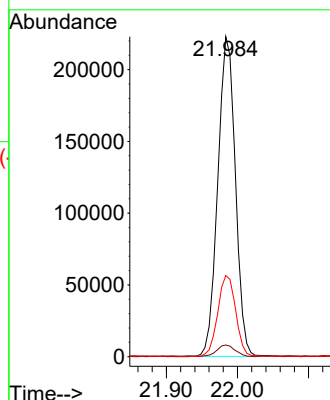
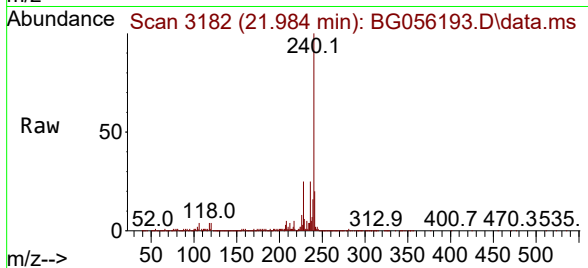
Tgt Ion:240 Resp: 381740

Ion Ratio Lower Upper

240 100

120 3.6 2.6 4.0

236 25.3 20.8 31.2



#78

Pyrene

Concen: 26.072 ng

RT: 20.080 min Scan# 2858

Delta R.T. 0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

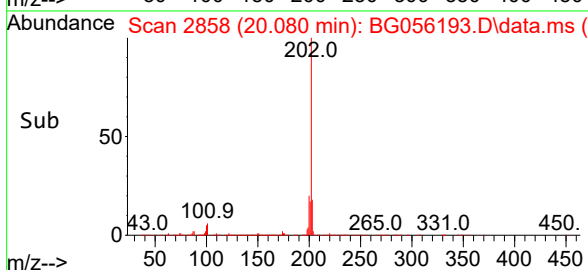
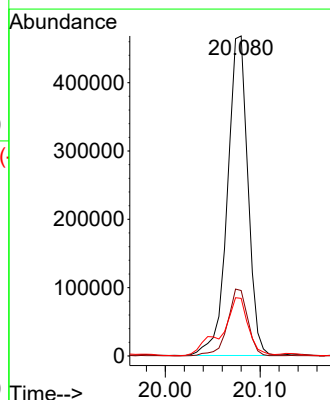
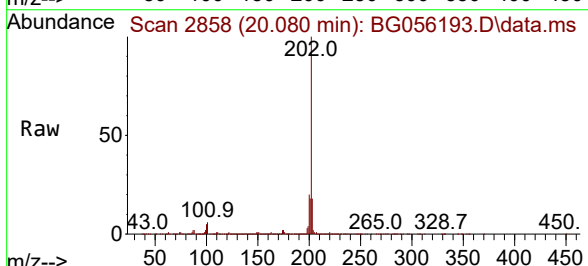
Tgt Ion:202 Resp: 701515

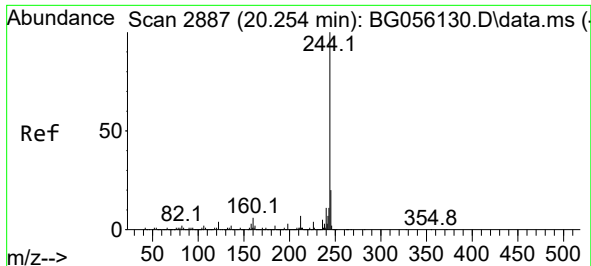
Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

203 18.0 14.3 21.5

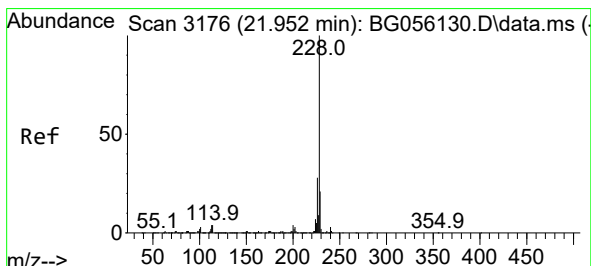
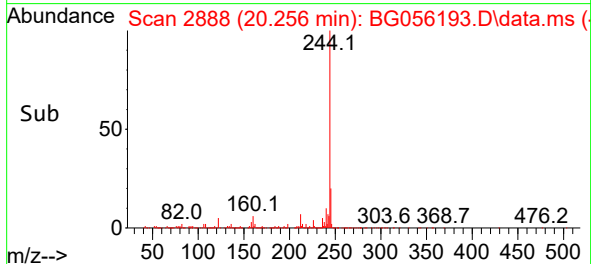
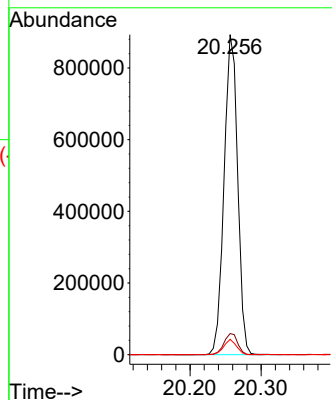
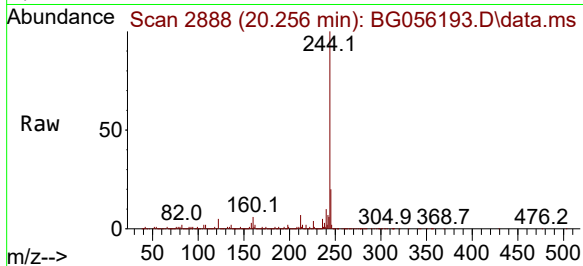




#79
 Terphenyl-d14
 Concen: 55.204 ng
 RT: 20.256 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

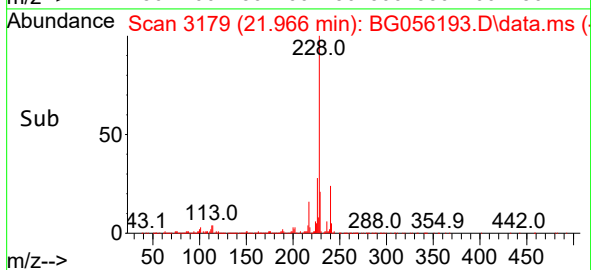
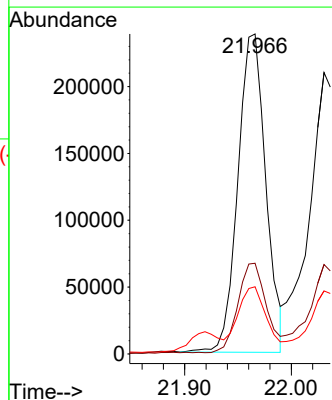
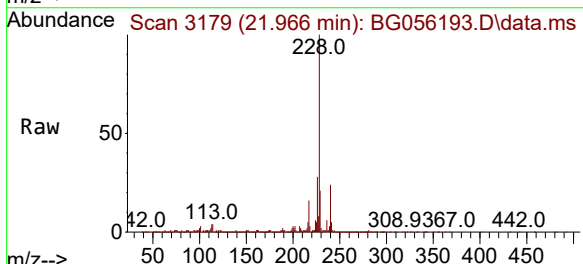
Instrument :
 BNA_G
 ClientSampleId :
 TP-15

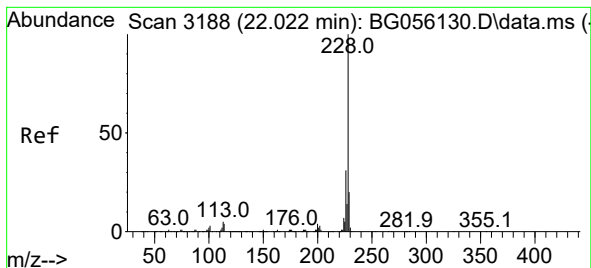
Tgt Ion:244 Resp: 1176613
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 4.8 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 16.180 ng
 RT: 21.966 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

Tgt Ion:228 Resp: 433815
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 21.0 16.9 25.3





#83

Chrysene

Concen: 16.438 ng

RT: 22.031 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

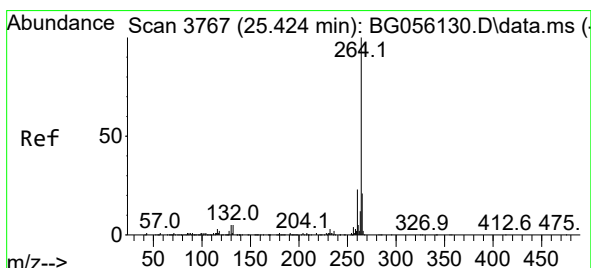
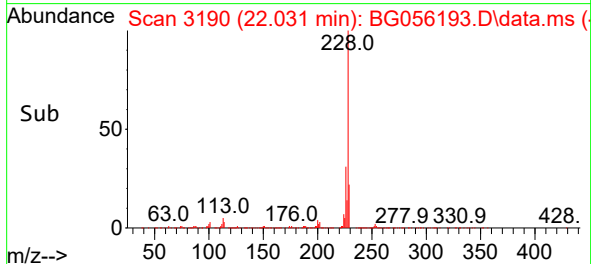
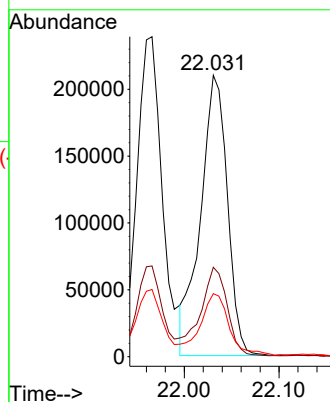
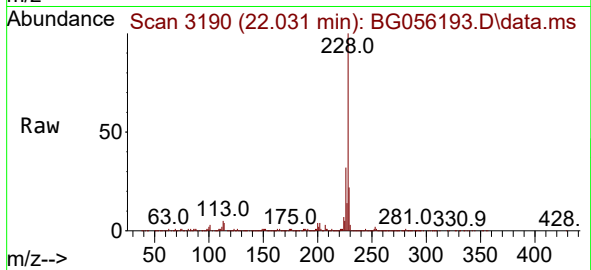
Tgt Ion:228 Resp: 412855

Ion Ratio Lower Upper

228 100

226 31.8 24.6 36.8

229 22.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.450 min Scan# 3772

Delta R.T. 0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

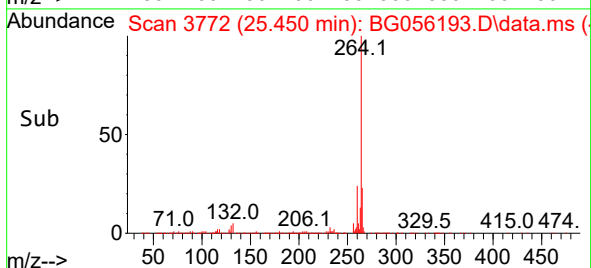
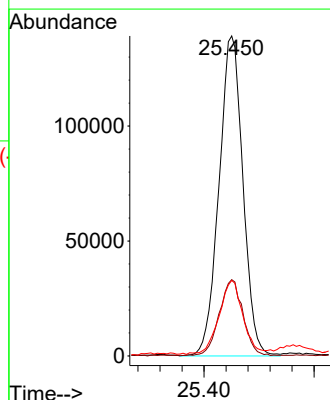
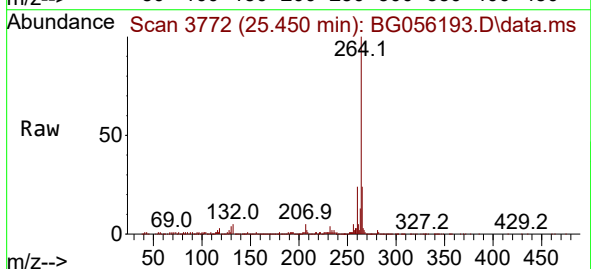
Tgt Ion:264 Resp: 420323

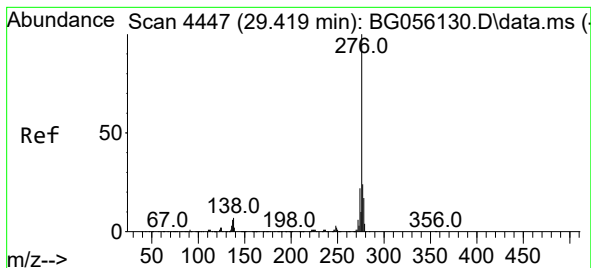
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.315 ng

RT: 29.428 min Scan# 4449

Delta R.T. -0.009 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

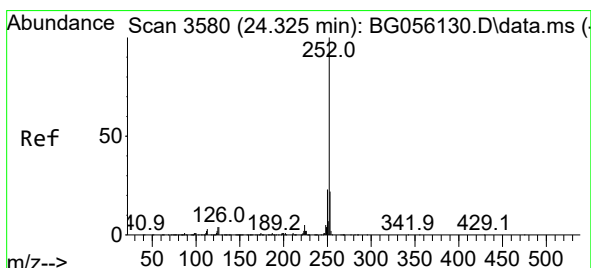
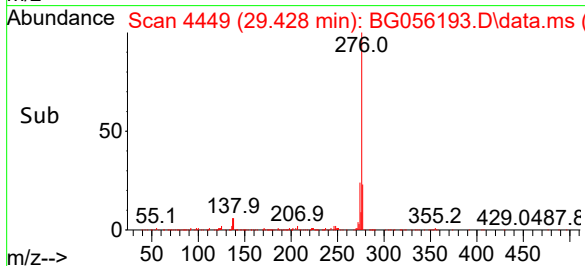
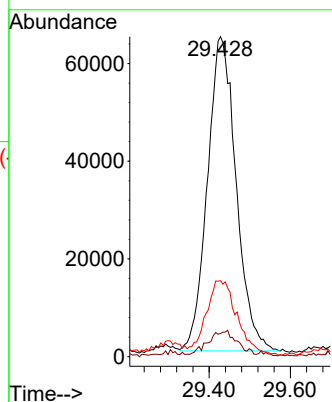
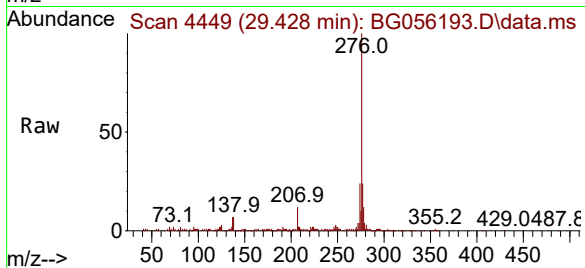
Tgt Ion:276 Resp: 315305

Ion Ratio Lower Upper

276 100

138 8.0 5.0 7.4#

277 25.8 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 22.942 ng

RT: 24.340 min Scan# 3583

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

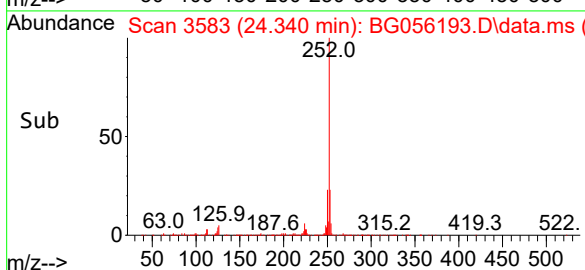
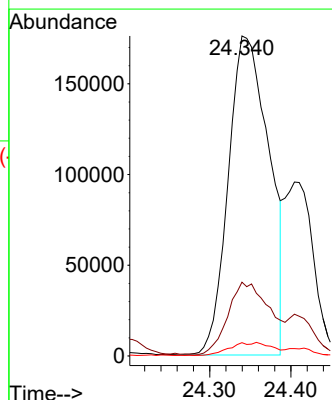
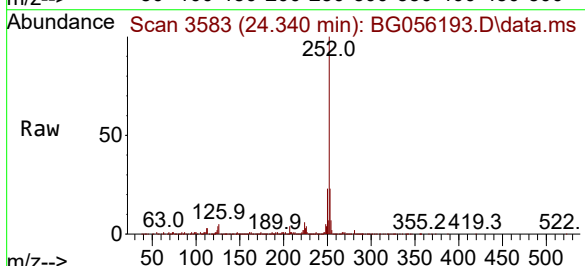
Tgt Ion:252 Resp: 612678

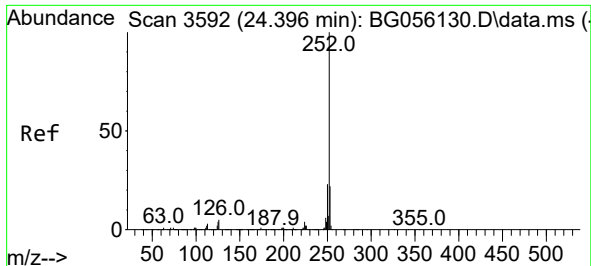
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 4.2 3.0 4.4

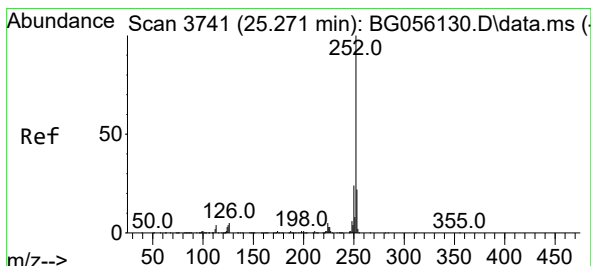
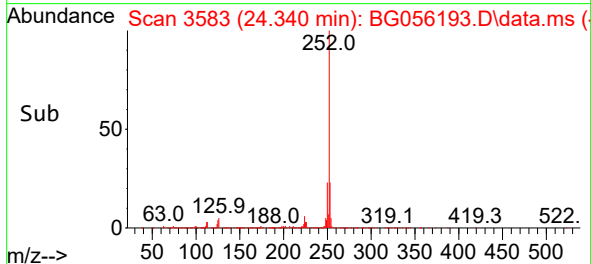
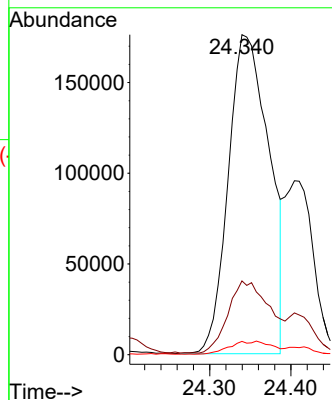
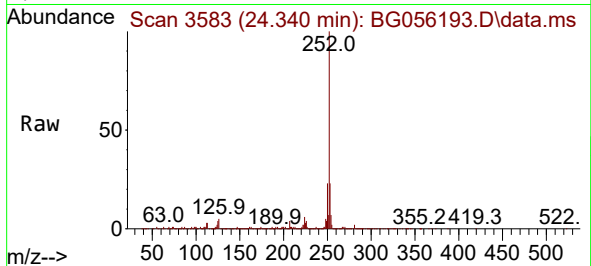




#89
Benzo(k)fluoranthene
Concen: 23.039 ng
RT: 24.340 min Scan# 31
Delta R.T. -0.074 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

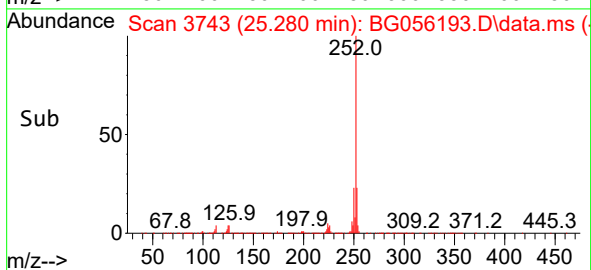
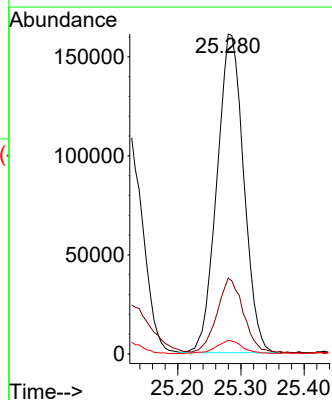
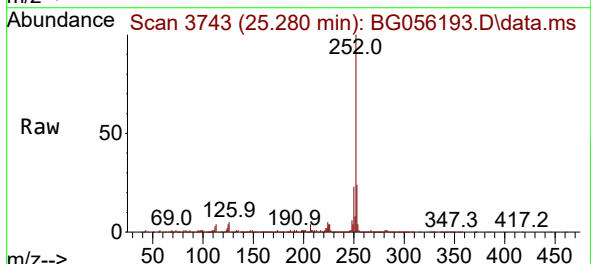
Instrument :
BNA_G
ClientSampleId :
TP-15

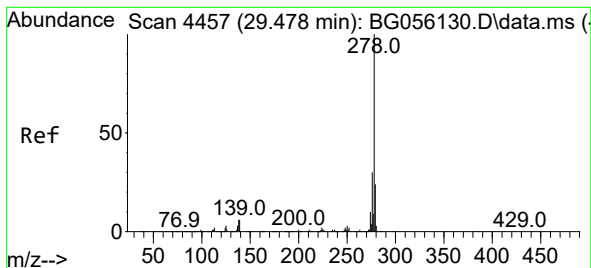
Tgt Ion:252 Resp: 612678
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 4.2 3.4 5.0



#90
Benzo(a)pyrene
Concen: 18.205 ng
RT: 25.280 min Scan# 3743
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion:252 Resp: 474209
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 4.3 3.2 4.8





#91

Dibenzo(a,h)anthracene

Concen: 2.585 ng

RT: 29.951 min Scan# 4

Delta R.T. 0.449 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

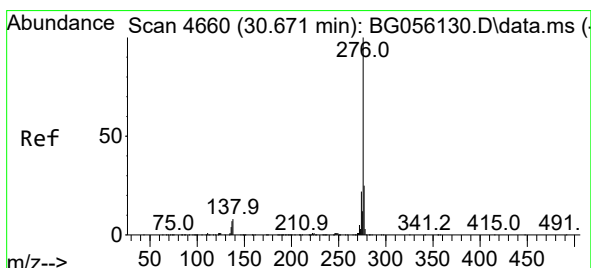
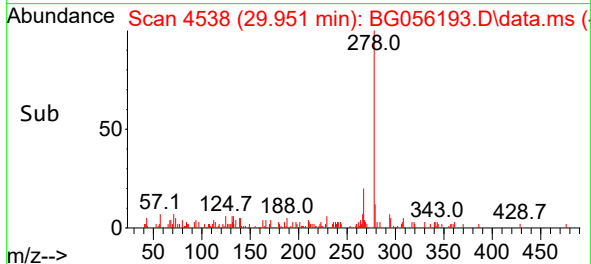
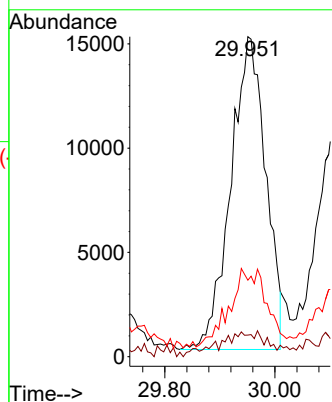
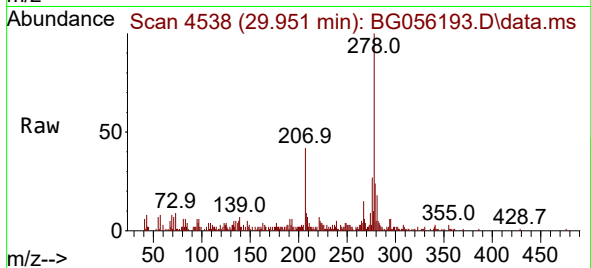
Tgt Ion:278 Resp: 66258

Ion Ratio Lower Upper

278 100

139 6.8 4.8 7.2

279 23.9 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 12.782 ng

RT: 30.679 min Scan# 4662

Delta R.T. -0.009 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Tgt Ion:276 Resp: 317670

Ion Ratio Lower Upper

276 100

277 23.5 19.7 29.5

138 7.9 6.7 10.1

