

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056573.D
 Acq On : 7 Feb 2023 18:43
 Operator : CG/JU
 Sample : 01465-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Feb 08 03:07:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

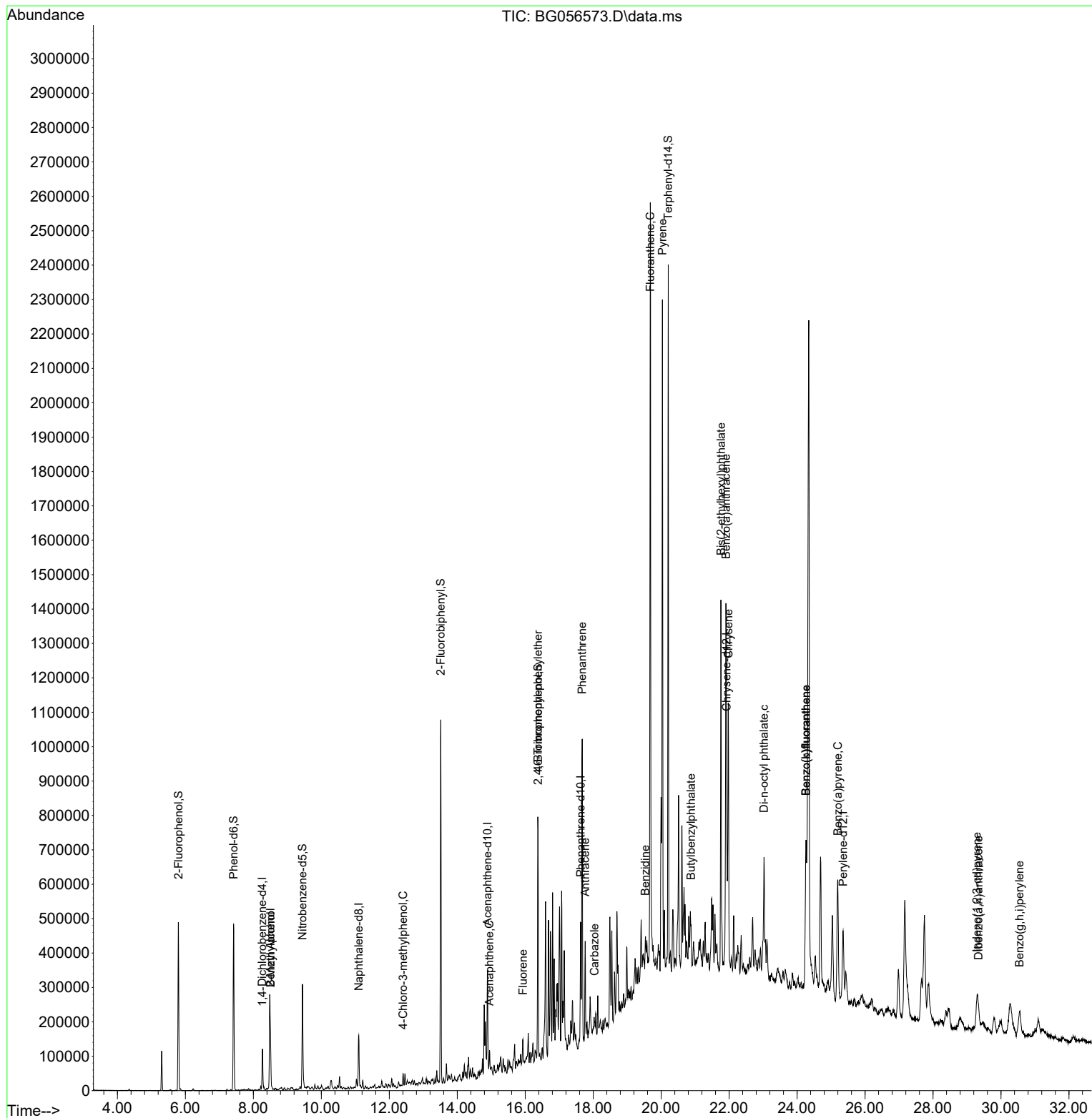
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	40012	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	148929	20.000	ng	0.00
39) Acenaphthene-d10	14.891	164	105404	20.000	ng	0.00
64) Phenanthrene-d10	17.629	188	238777	20.000	ng	0.00
76) Chrysene-d12	21.924	240	229857	20.000	ng	0.00
86) Perylene-d12	25.355	264	252491	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	285363	131.198	ng	0.00
7) Phenol-d6	7.418	99	384902	119.434	ng	0.00
23) Nitrobenzene-d5	9.445	82	203940	77.760	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	144817	103.346	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	616885	81.142	ng	0.00
79) Terphenyl-d14	20.209	244	1011249	77.271	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.505	79	84437	38.187	ng	99
17) 2-Methylphenol	8.505	107	51243	20.564	ng	# 20
36) 4-Chloro-3-methylphenol	12.406	107	10125	3.626	ng	# 16
52) Acenaphthene	14.950	154	16961	2.942	ng	94
58) Fluorene	15.931	166	34370	4.177	ng	# 93
67) 4-Bromophenyl-phenylether	16.372	248	11790	3.857	ng	# 1
71) Phenanthrene	17.676	178	613648	49.103	ng	100
72) Anthracene	17.764	178	200796	15.652	ng	99
73) Carbazole	18.035	167	22510	2.060	ng	# 91
75) Fluoranthene	19.680	202	1566822	99.336	ng	97
77) Benzidine	19.533	184	101391	16.300	ng	# 84
78) Pyrene	20.038	202	1326880	81.165	ng	97
80) Butylbenzylphthalate	20.878	149	25502	5.108	ng	99
81) Benzo(a)anthracene	21.907	228	729352	45.387	ng	99
83) Chrysene	21.977	228	622985	41.265	ng	98
84) Bis(2-ethylhexyl)phtha...	21.760	149	608684	85.034	ng	100
85) Di-n-octyl phthalate	23.029	149	309933	25.999	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.292	276	212879	11.518	ng	# 96
88) Benzo(b)fluoranthene	24.263	252	653357	41.690	ng	98
89) Benzo(k)fluoranthene	24.263	252	653357	41.292	ng	# 96
90) Benzo(a)pyrene	25.197	252	437021	28.309	ng	99
91) Dibenzo(a,h)anthracene	29.339	278	62982	4.060	ng	# 91
92) Benzo(g,h,i)perylene	30.543	276	189931	12.688	ng	95

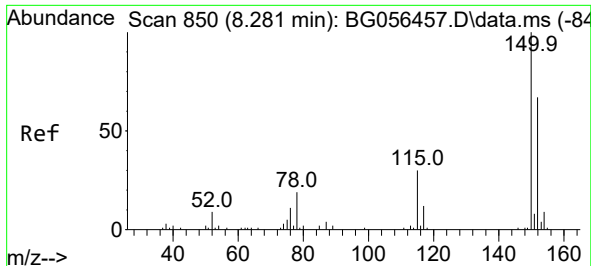
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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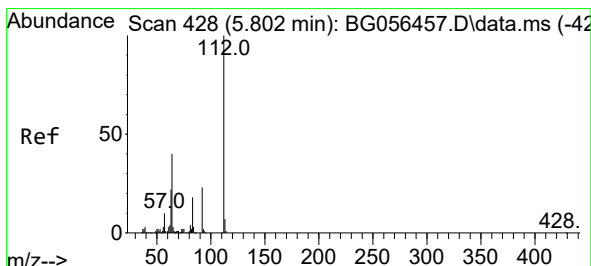
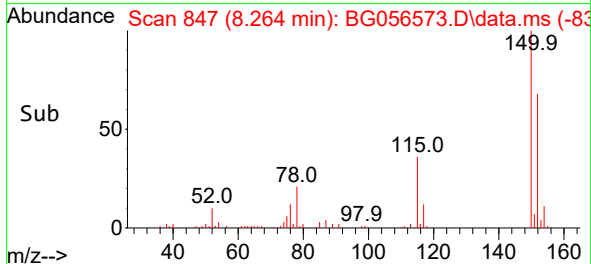
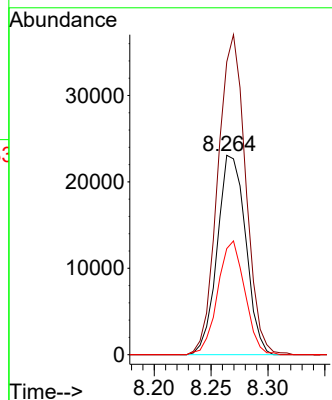
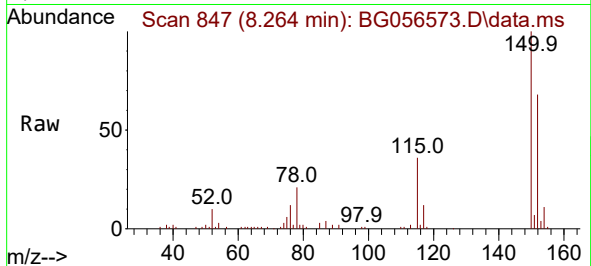




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 847
Delta R.T. -0.005 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

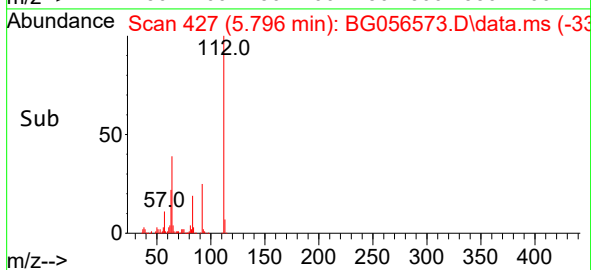
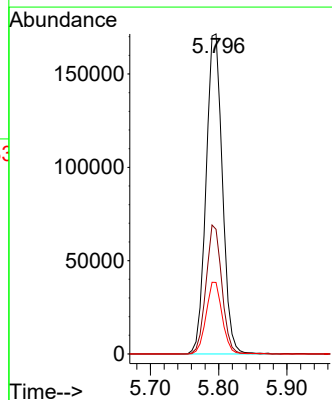
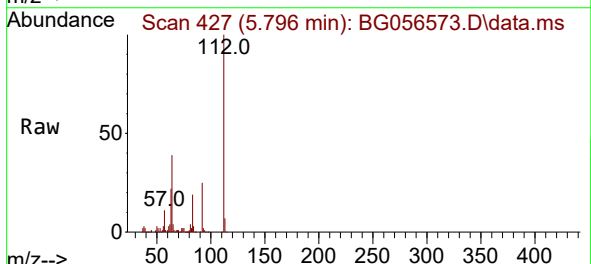
Instrument :
BNA_G
ClientSampleId :
COMP-1

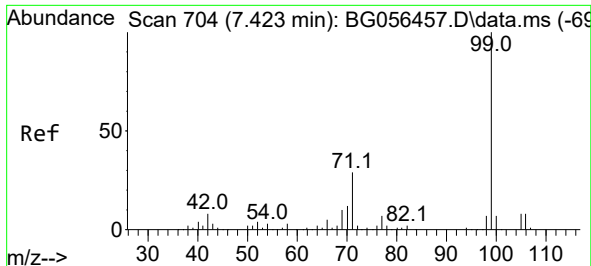
Tgt Ion:152 Resp: 40012
Ion Ratio Lower Upper
152 100
150 146.9 120.2 180.4
115 53.2 36.3 54.5



#5
2-Fluorophenol
Concen: 131.198 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:112 Resp: 285363
Ion Ratio Lower Upper
112 100
64 38.9 31.9 47.9
63 22.4 17.4 26.0

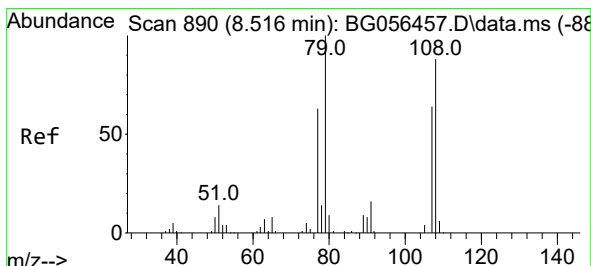
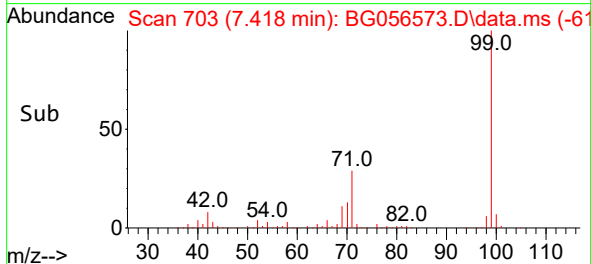
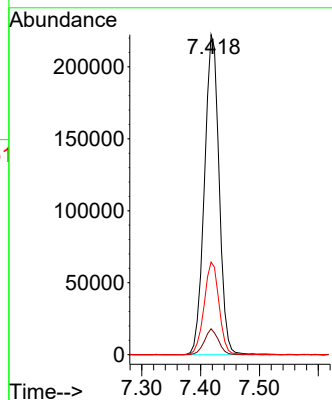
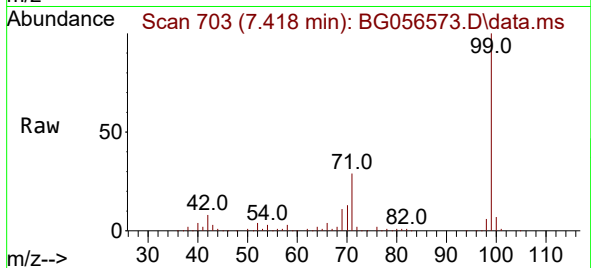




#7
Phenol-d6
Concen: 119.434 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

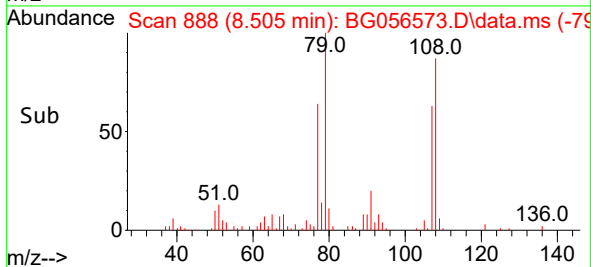
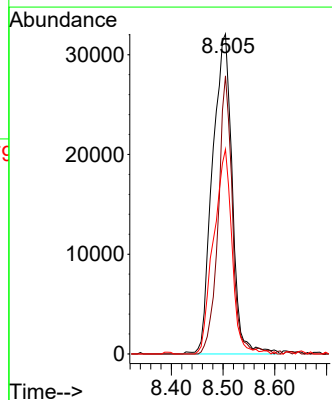
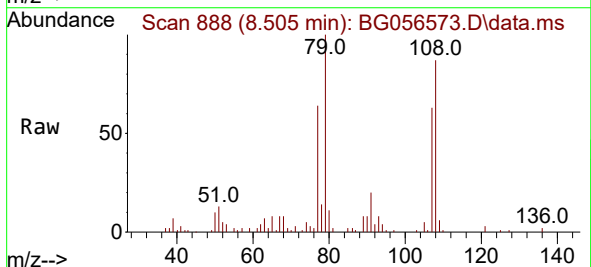
Instrument :
BNA_G
ClientSampleId :
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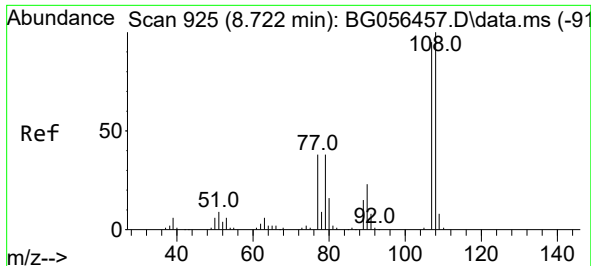
Tgt Ion: 99 Resp: 384902
Ion Ratio Lower Upper
99 100
42 8.1 6.6 10.0
71 29.0 23.4 35.0



#15
Benzyl Alcohol
Concen: 38.187 ng
RT: 8.505 min Scan# 888
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion: 79 Resp: 84437
Ion Ratio Lower Upper
79 100
108 86.9 70.1 105.1
77 63.9 50.3 75.5

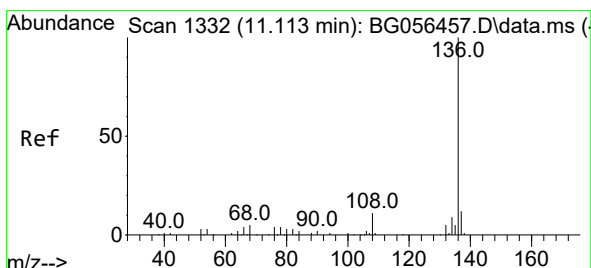
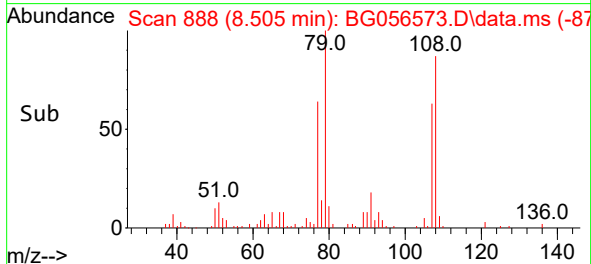
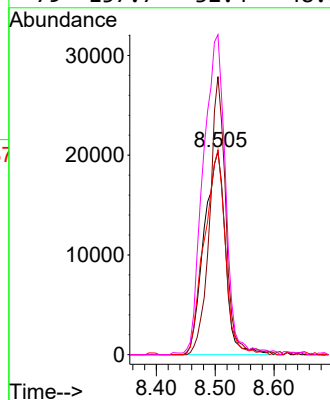
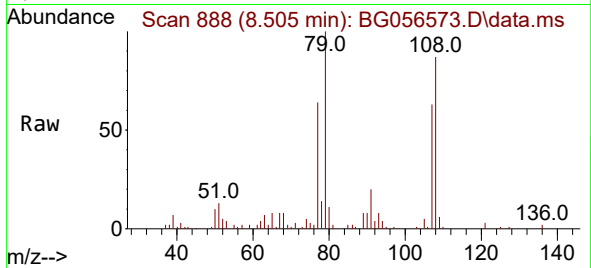




#17
2-Methylphenol
Concen: 20.564 ng
RT: 8.505 min Scan# 81
Delta R.T. -0.206 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

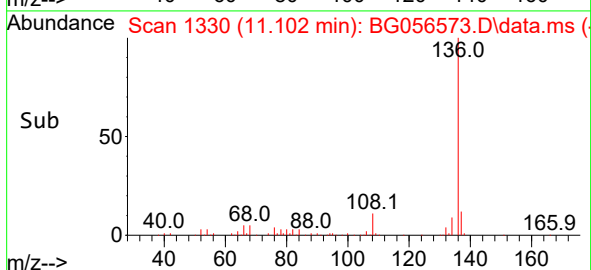
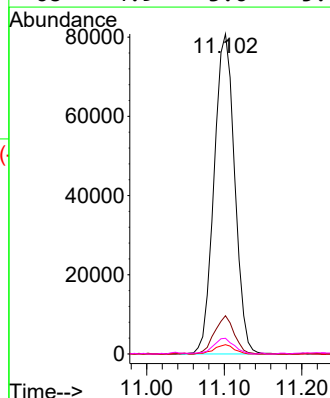
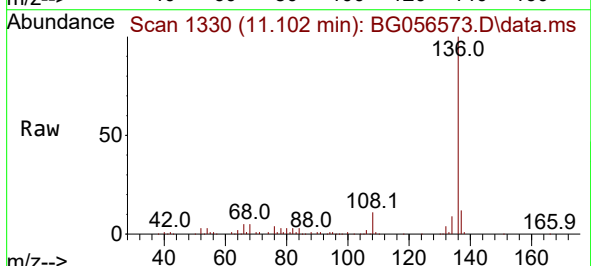
Instrument :
BNA_G
ClientSampleId :
COMP-1

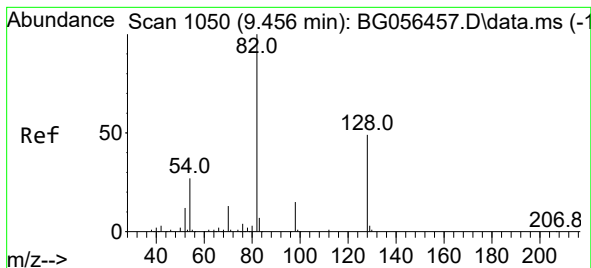
Tgt Ion:107 Resp: 51243
Ion Ratio Lower Upper
107 100
108 137.1 83.9 125.9#
77 100.9 31.6 47.4#
79 157.7 32.4 48.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:136 Resp: 148929
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.9 2.2 3.4
68 4.9 3.6 5.4





#23

Nitrobenzene-d5

Concen: 77.760 ng

RT: 9.445 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

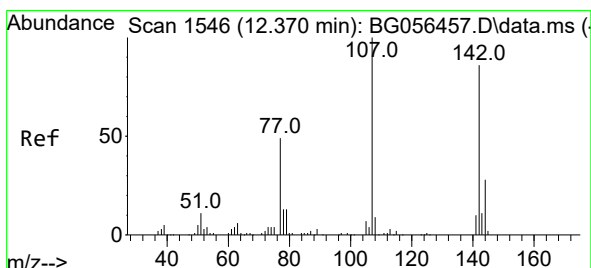
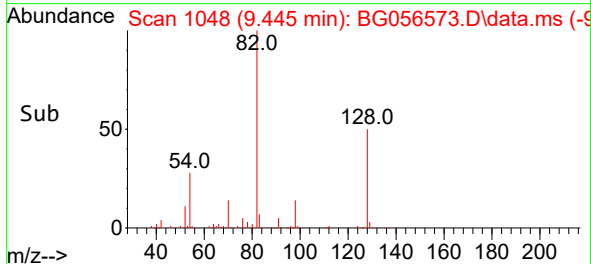
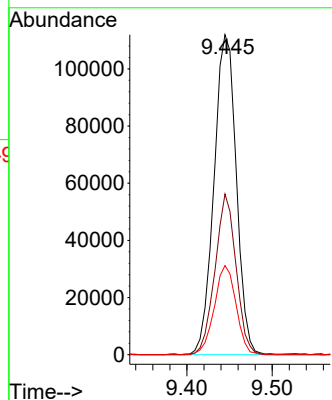
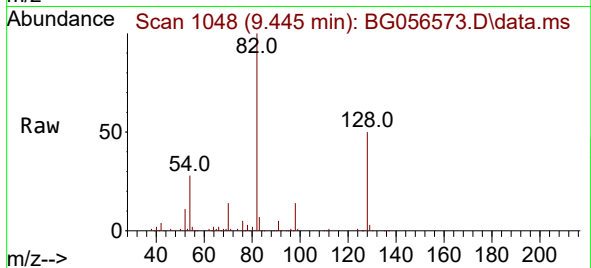
Tgt Ion: 82 Resp: 203940

Ion Ratio Lower Upper

82 100

128 50.2 39.4 59.2

54 27.9 21.4 32.2



#36

4-Chloro-3-methylphenol

Concen: 3.626 ng

RT: 12.406 min Scan# 1552

Delta R.T. 0.041 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

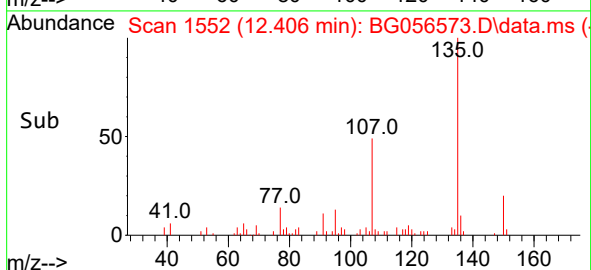
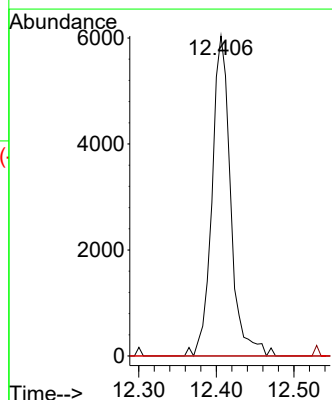
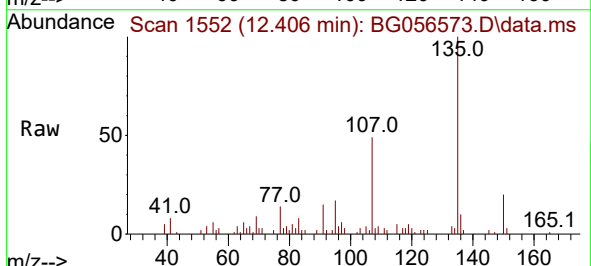
Tgt Ion: 107 Resp: 10125

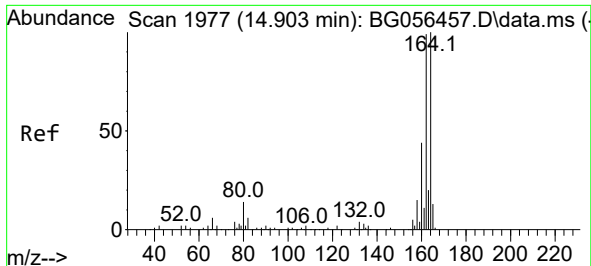
Ion Ratio Lower Upper

107 100

144 0.0 22.3 33.5#

142 0.0 68.9 103.3#

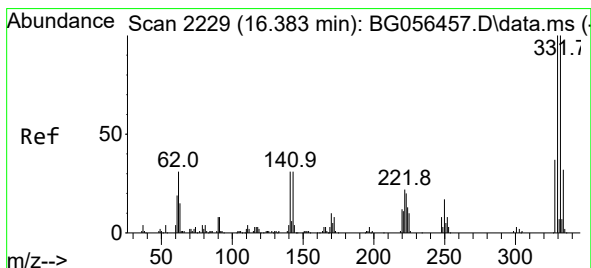
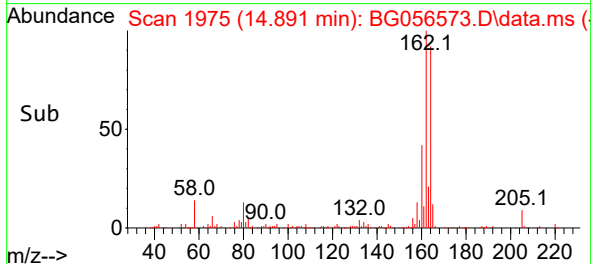
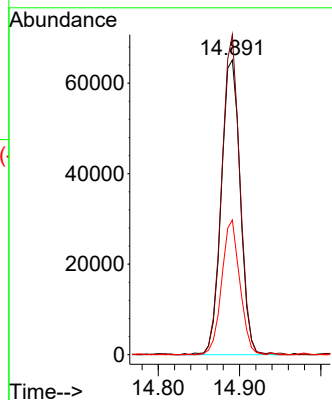
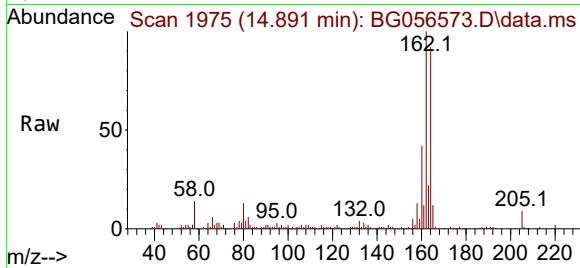




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.891 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

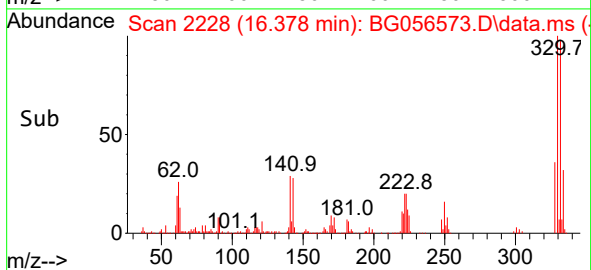
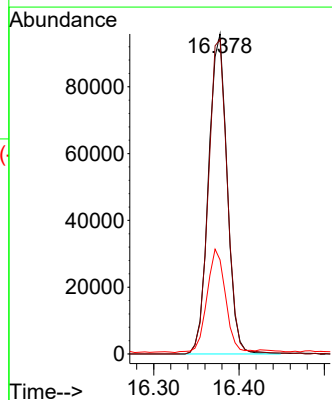
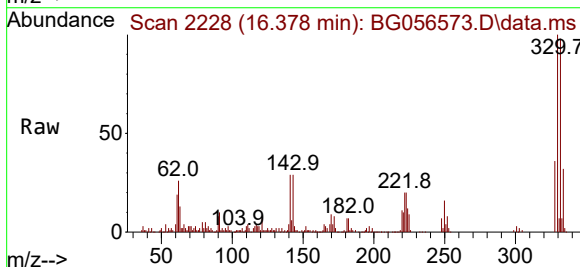
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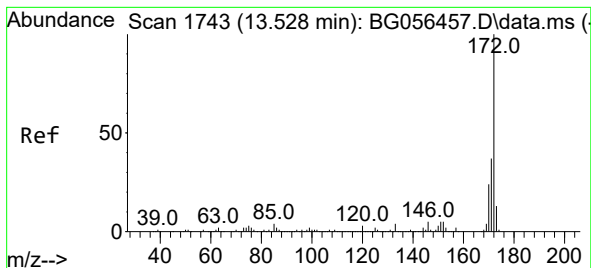
Tgt Ion:164 Resp: 105404
Ion Ratio Lower Upper
164 100
162 108.6 79.6 119.4
160 45.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 103.346 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:330 Resp: 144817
Ion Ratio Lower Upper
330 100
332 99.9 79.0 118.6
141 32.4 24.2 36.4

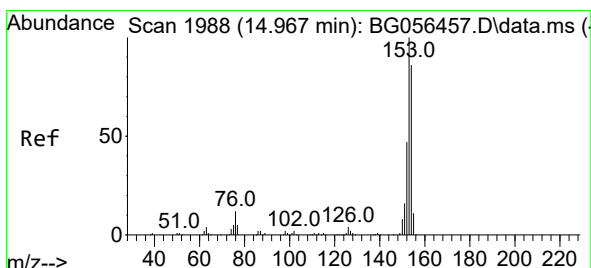
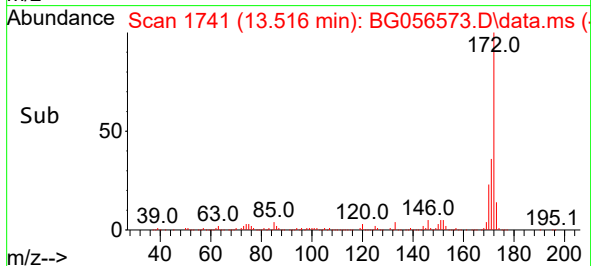
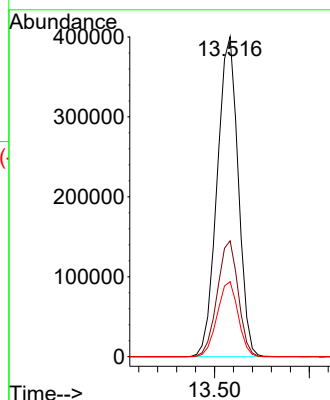
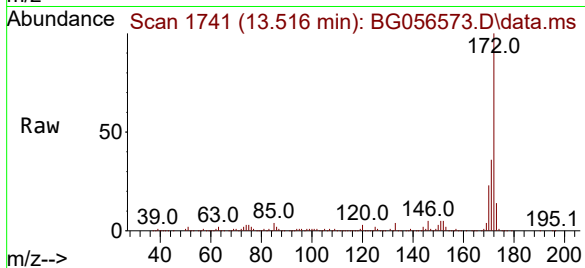




#45
2-Fluorobiphenyl
Concen: 81.142 ng
RT: 13.516 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

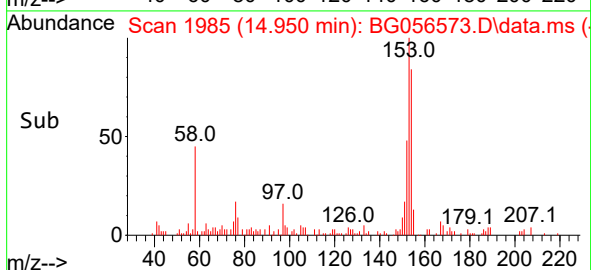
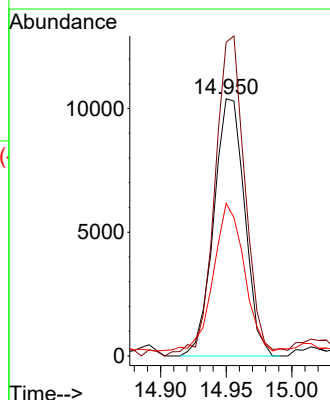
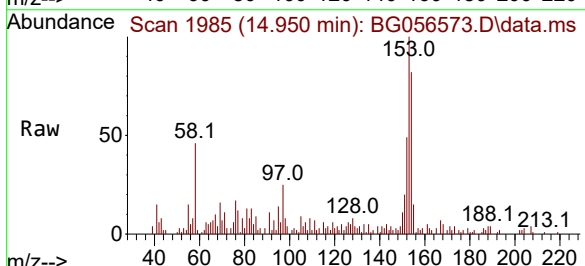
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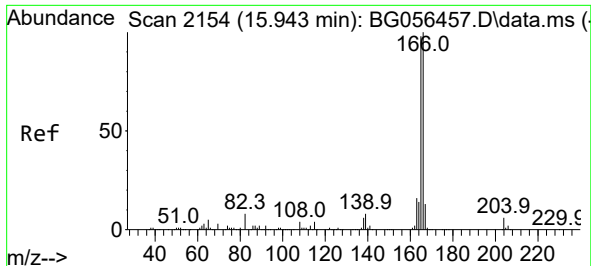
Tgt Ion:172 Resp: 616885
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 23.4 19.2 28.8



#52
Acenaphthene
Concen: 2.942 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:154 Resp: 16961
Ion Ratio Lower Upper
154 100
153 122.1 93.4 140.0
152 59.3 43.4 65.2

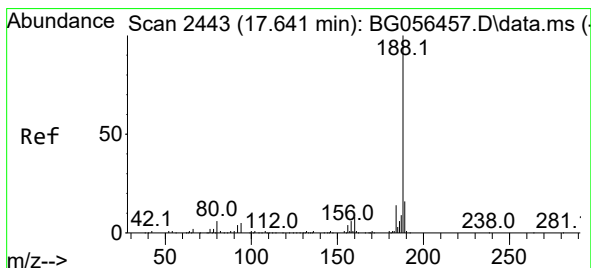
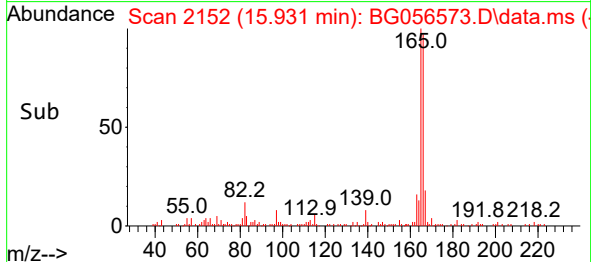
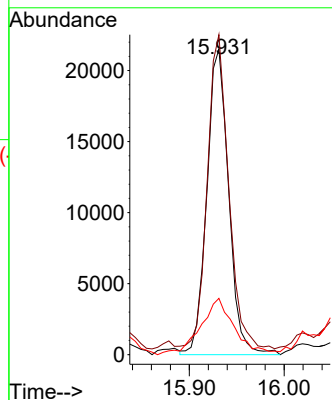
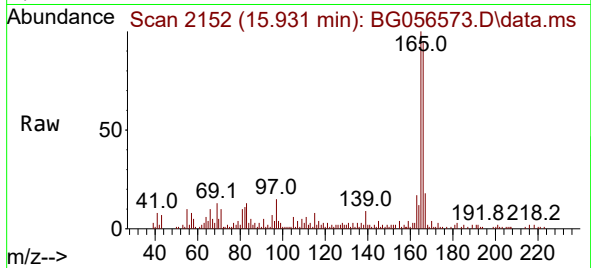




#58
 Fluorene
 Concen: 4.177 ng
 RT: 15.931 min Scan# 2152
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

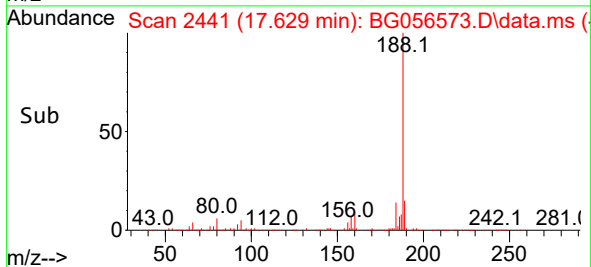
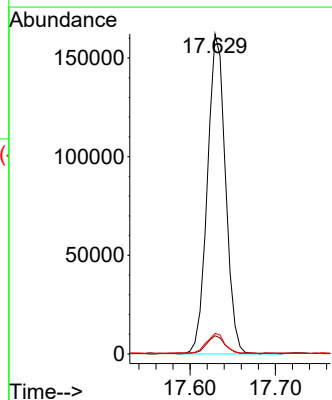
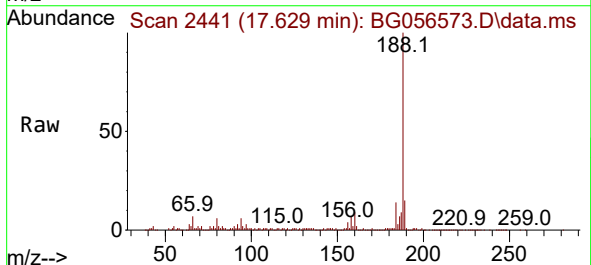
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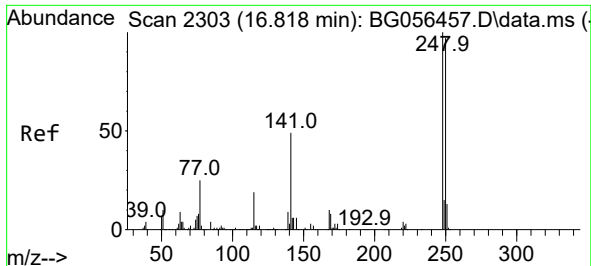
Tgt Ion:166 Resp: 34370
 Ion Ratio Lower Upper
 166 100
 165 104.7 78.8 118.2
 167 18.5 10.6 15.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.629 min Scan# 2441
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

Tgt Ion:188 Resp: 238777
 Ion Ratio Lower Upper
 188 100
 94 5.7 4.1 6.1
 80 6.4 5.0 7.4

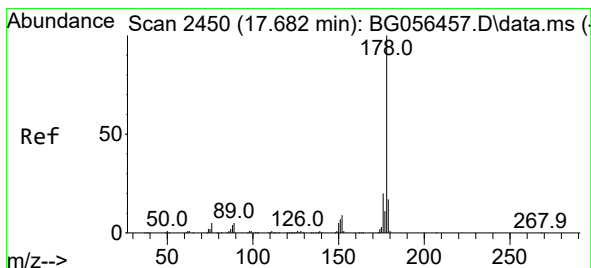
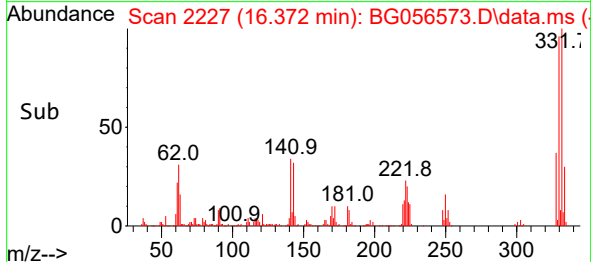
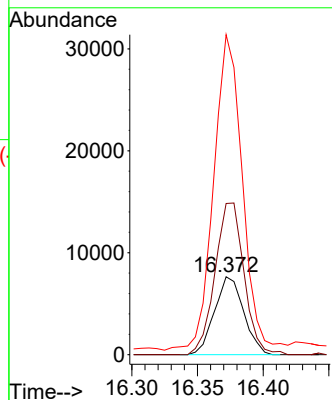
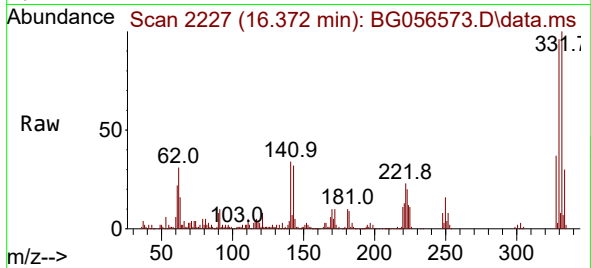




#67
4-Bromophenyl-phenylether
Concen: 3.857 ng
RT: 16.372 min Scan# 211
Delta R.T. -0.435 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

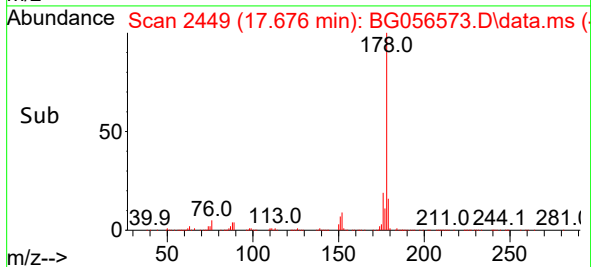
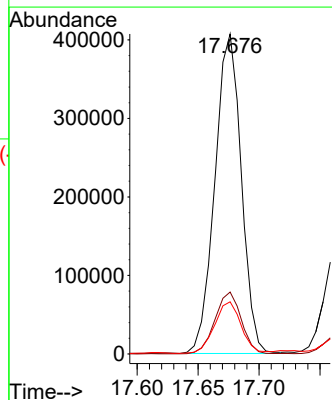
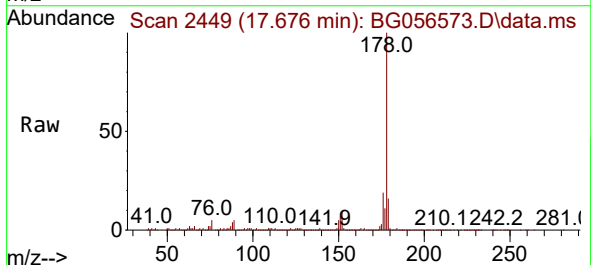
Instrument :
BNA_G
ClientSampleId :
COMP-1

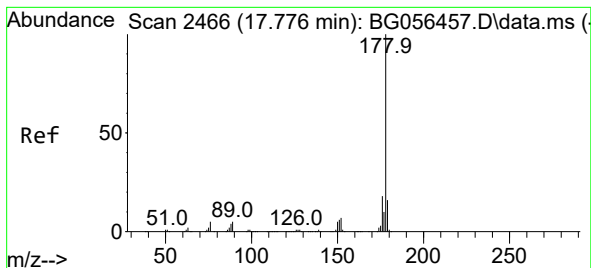
Tgt Ion:248 Resp: 11790
Ion Ratio Lower Upper
248 100
250 147.9 77.6 116.4#
141 312.8 39.0 58.4#



#71
Phenanthrene
Concen: 49.103 ng
RT: 17.676 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:178 Resp: 613648
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.3 13.3 19.9





#72

Anthracene

Concen: 15.652 ng

RT: 17.764 min Scan# 2464

Delta R.T. 0.000 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

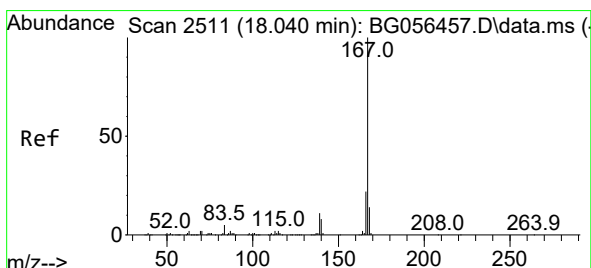
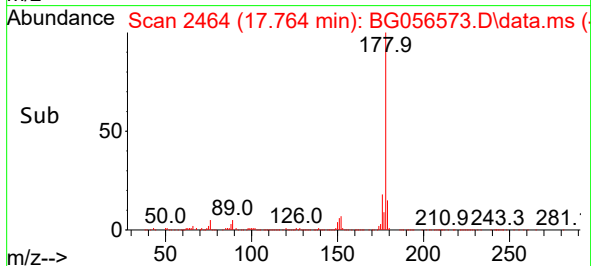
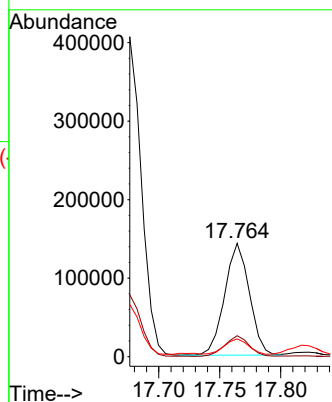
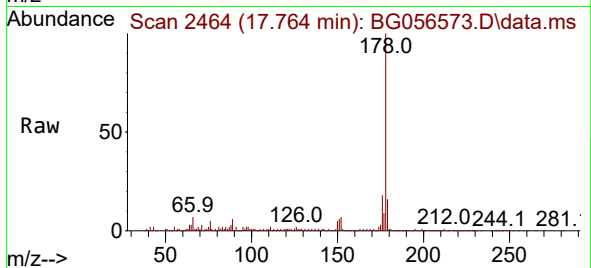
Tgt Ion:178 Resp: 200796

Ion Ratio Lower Upper

178 100

176 18.4 14.5 21.7

179 15.7 12.5 18.7



#73

Carbazole

Concen: 2.060 ng

RT: 18.035 min Scan# 2510

Delta R.T. 0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

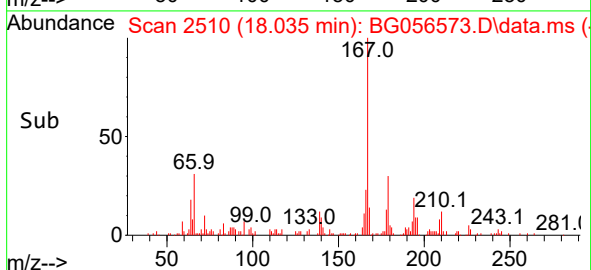
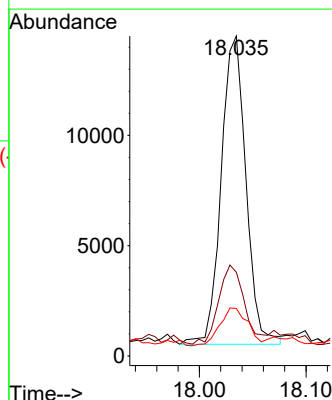
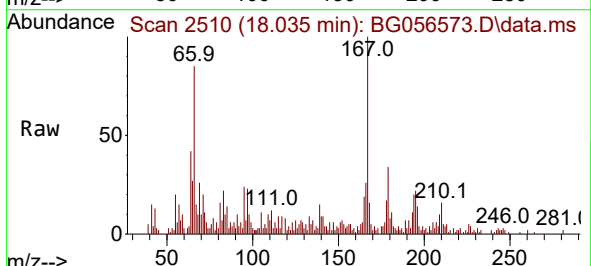
Tgt Ion:167 Resp: 22510

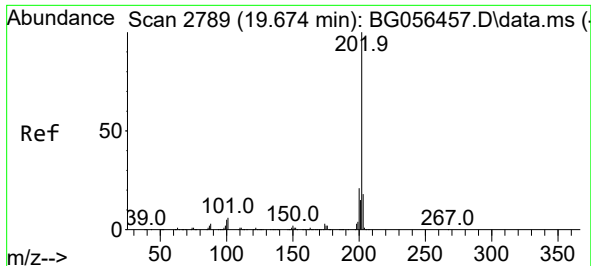
Ion Ratio Lower Upper

167 100

166 26.2 17.8 26.6

139 14.8 8.9 13.3#

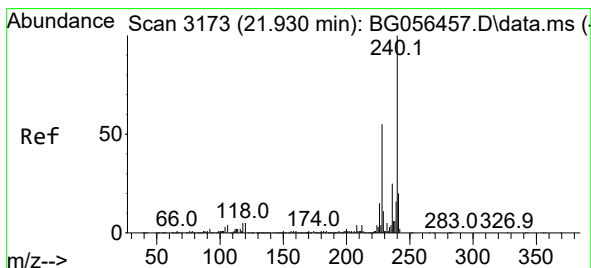
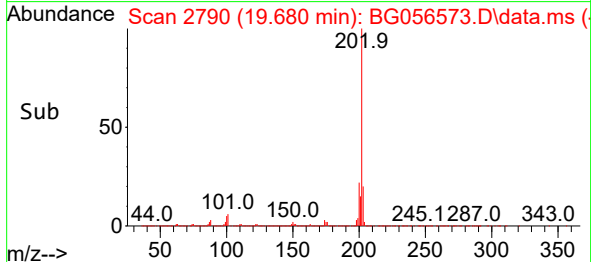
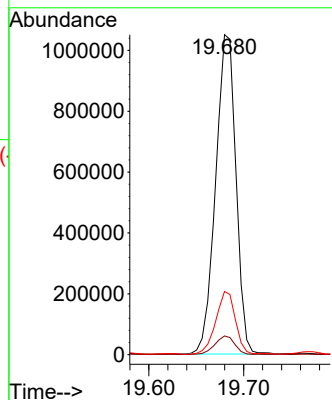
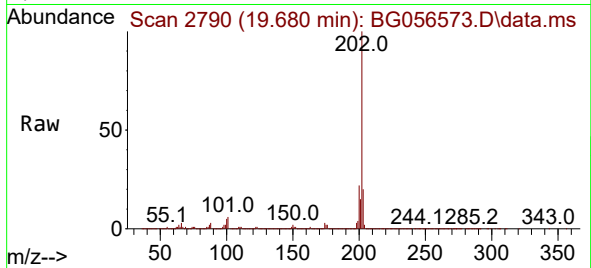




#75
Fluoranthene
Concen: 99.336 ng
RT: 19.680 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

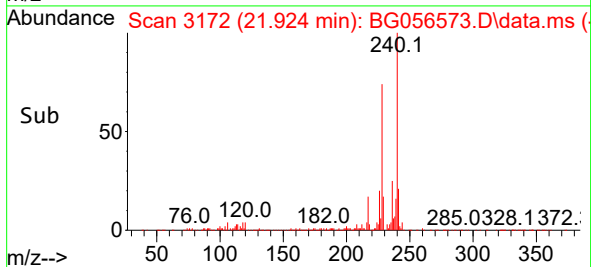
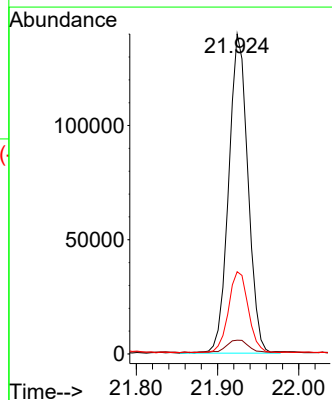
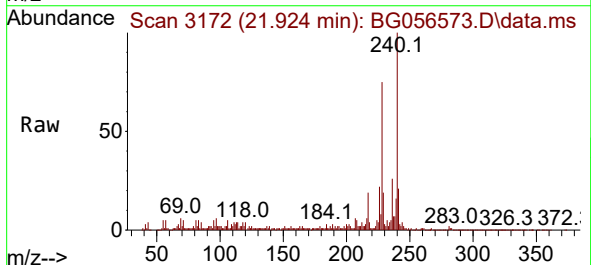
Instrument :
BNA_G
ClientSampleId :
COMP-1

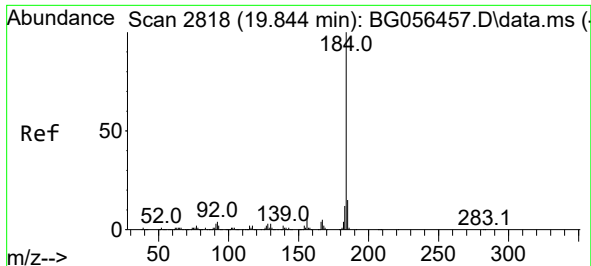
Tgt Ion:202 Resp: 1566822
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.6
203 19.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:240 Resp: 229857
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.7 20.2 30.2

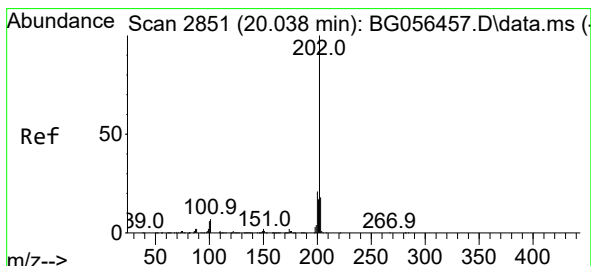
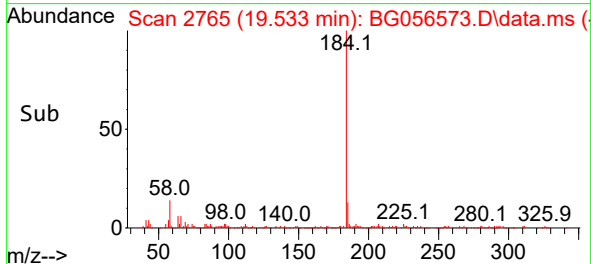
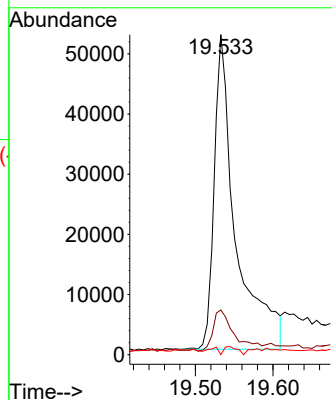
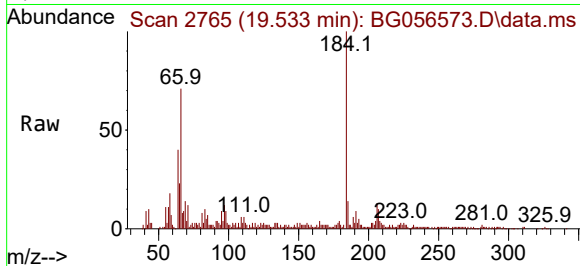




#77
Benzidine
Concen: 16.300 ng
RT: 19.533 min Scan# 21
Delta R.T. -0.300 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

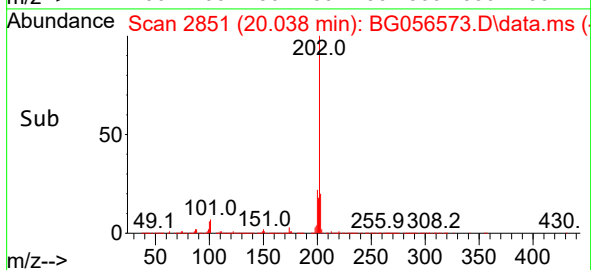
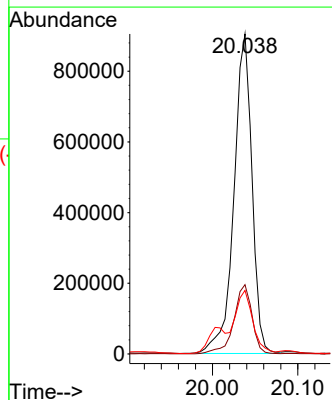
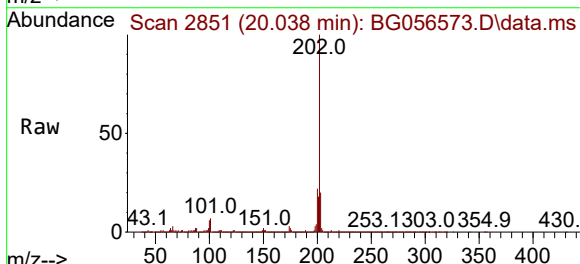
Instrument :
BNA_G
ClientSampleId :
COMP-1

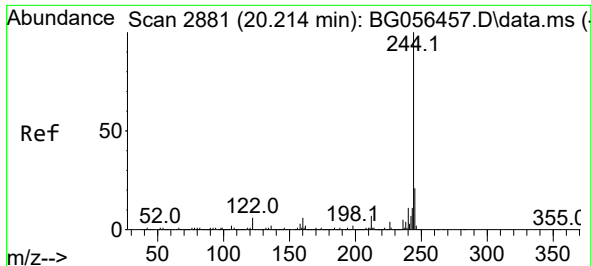
Tgt Ion:184 Resp: 101391
Ion Ratio Lower Upper
184 100
185 13.9 12.3 18.5
183 0.0 9.8 14.8#



#78
Pyrene
Concen: 81.165 ng
RT: 20.038 min Scan# 2851
Delta R.T. 0.012 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:202 Resp: 1326880
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 19.8 14.4 21.6

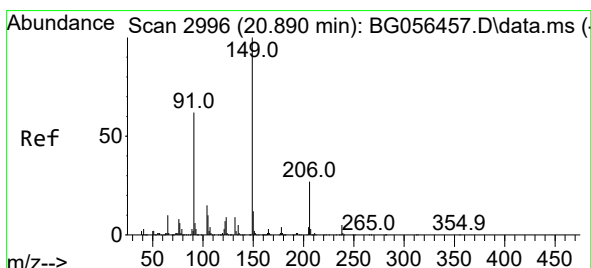
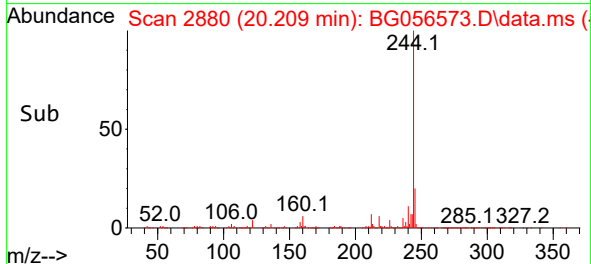
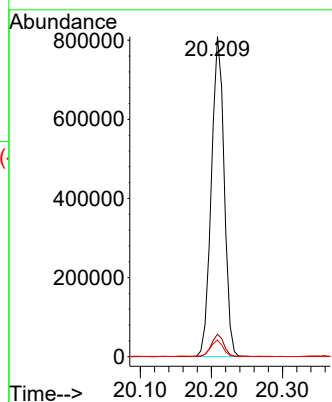
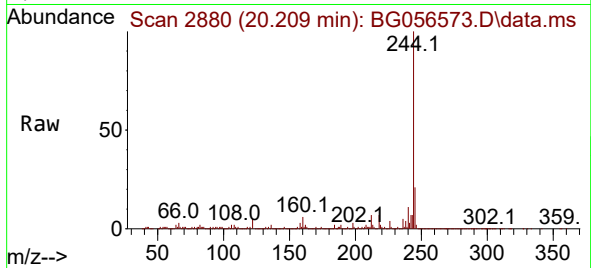




#79
 Terphenyl-d14
 Concen: 77.271 ng
 RT: 20.209 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

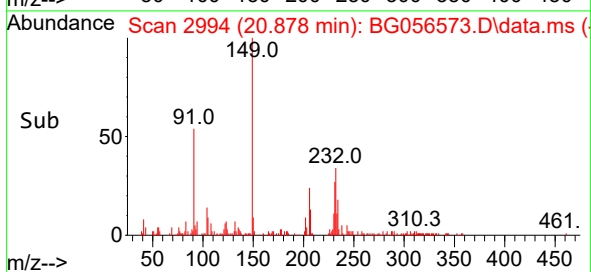
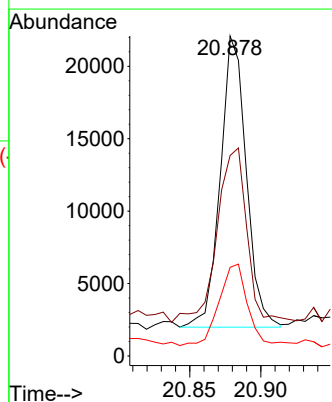
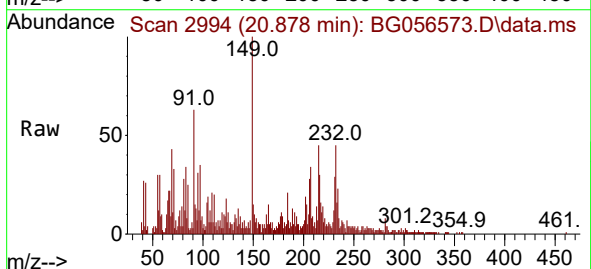
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

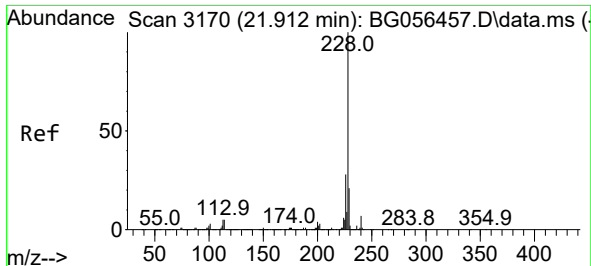
Tgt Ion:244 Resp: 1011249
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 5.2 4.4 6.6



#80
 Butylbenzylphthalate
 Concen: 5.108 ng
 RT: 20.878 min Scan# 2994
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

Tgt Ion:149 Resp: 25502
 Ion Ratio Lower Upper
 149 100
 91 62.6 49.4 74.0
 206 27.7 22.0 33.0

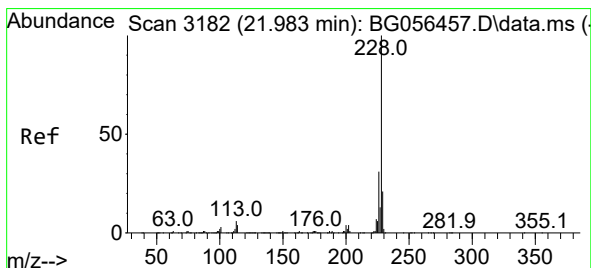
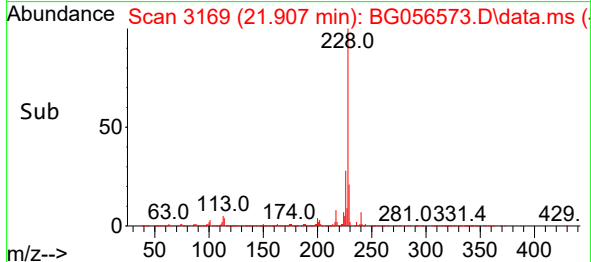
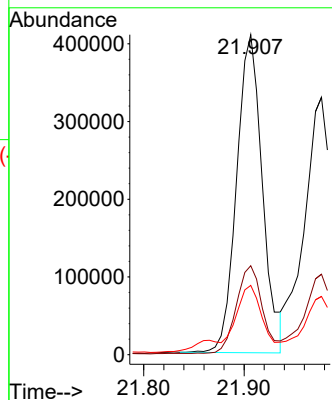
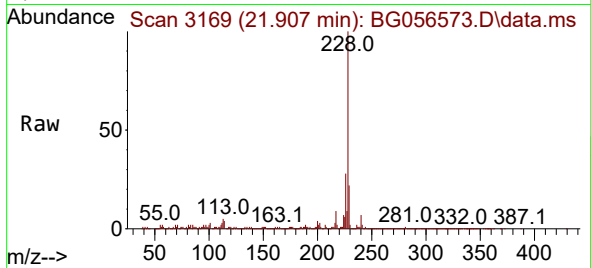




#81
Benzo(a)anthracene
Concen: 45.387 ng
RT: 21.907 min Scan# 3170
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

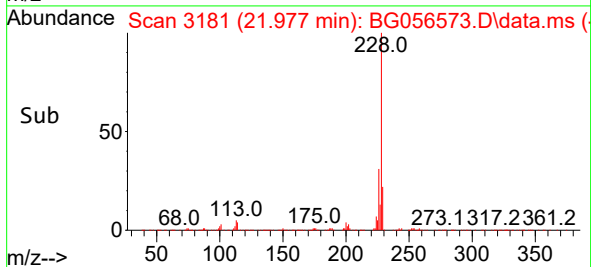
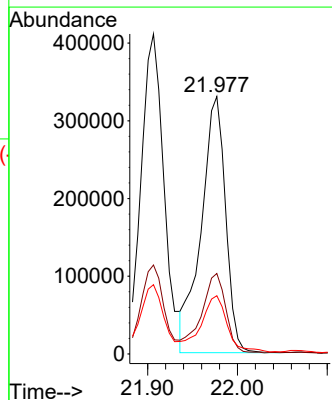
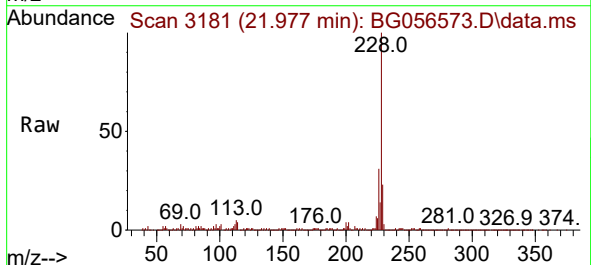
Instrument :
BNA_G
ClientSampleId :
COMP-1

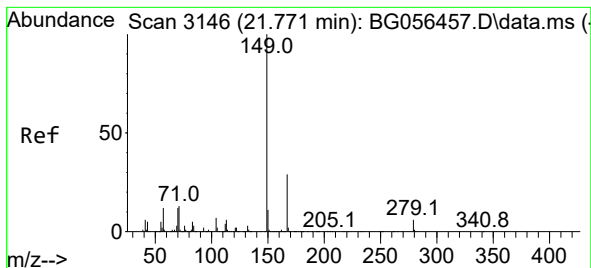
Tgt Ion:228 Resp: 729352
Ion Ratio Lower Upper
228 100
226 27.8 22.4 33.6
229 21.7 16.5 24.7



#83
Chrysene
Concen: 41.265 ng
RT: 21.977 min Scan# 3181
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:228 Resp: 622985
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 22.6 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 85.034 ng

RT: 21.760 min Scan# 3144

Delta R.T. 0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

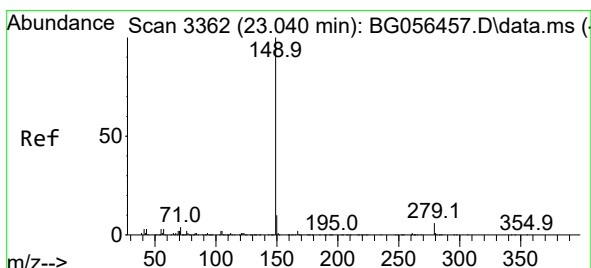
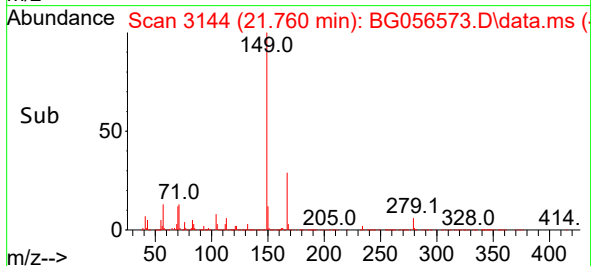
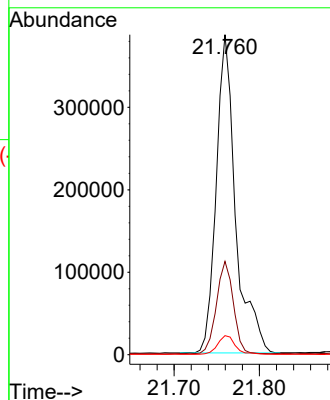
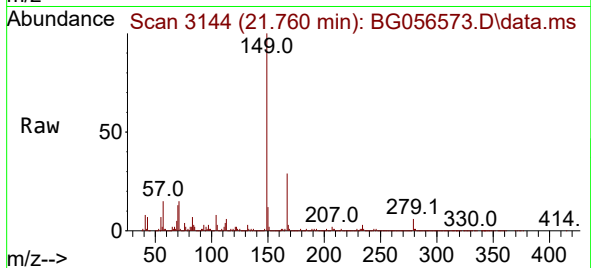
Tgt Ion:149 Resp: 608684

Ion Ratio Lower Upper

149 100

167 29.2 23.4 35.2

279 6.0 4.4 6.6



#85

Di-n-octyl phthalate

Concen: 25.999 ng

RT: 23.029 min Scan# 3360

Delta R.T. 0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

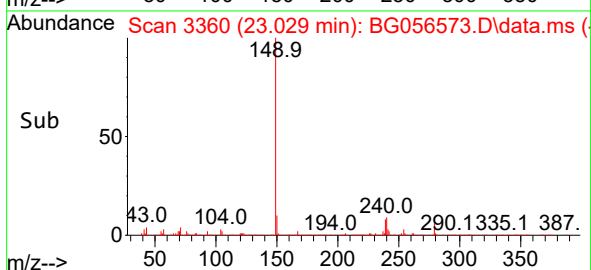
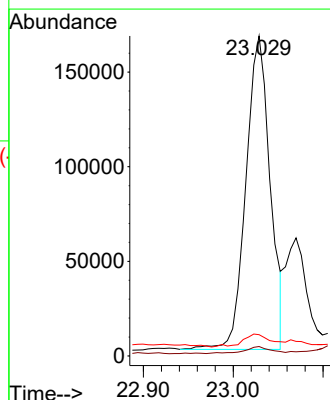
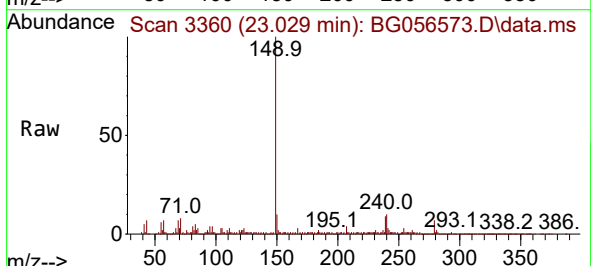
Tgt Ion:149 Resp: 309933

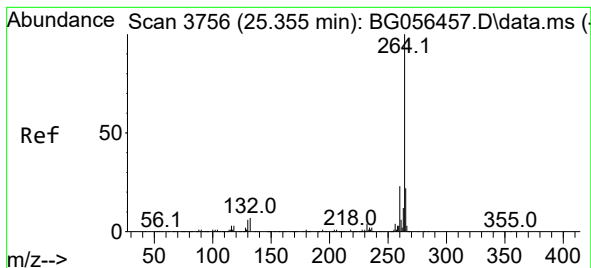
Ion Ratio Lower Upper

149 100

167 2.7 1.4 2.0#

43 4.0 2.7 4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.355 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

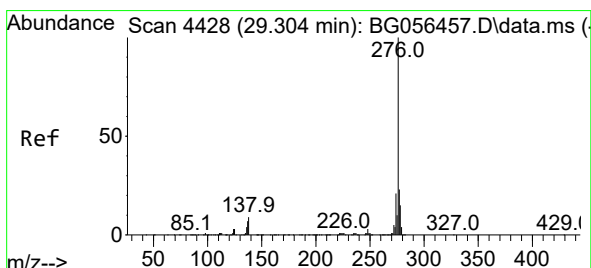
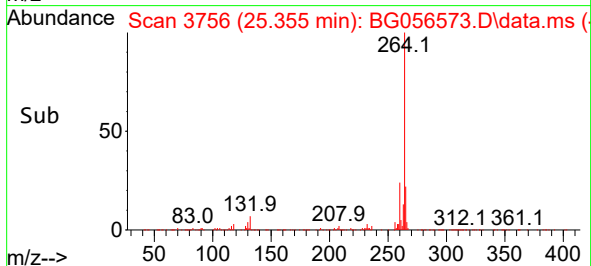
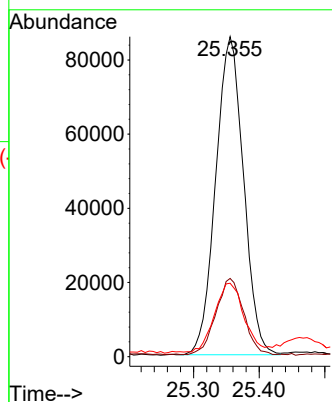
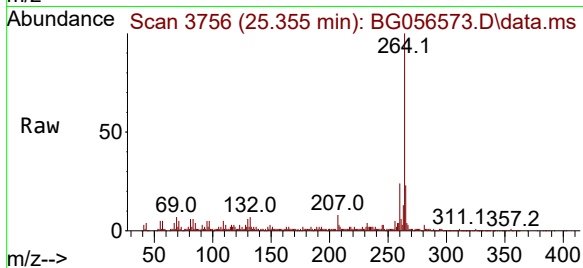
Tgt Ion:264 Resp: 252491

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

265 22.9 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.518 ng

RT: 29.292 min Scan# 4426

Delta R.T. 0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

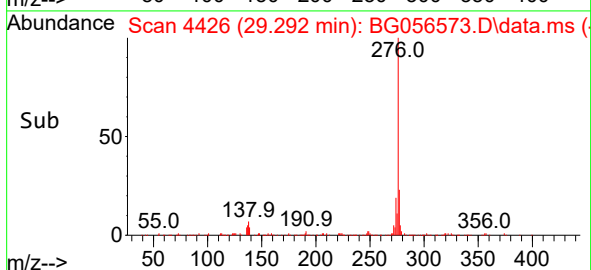
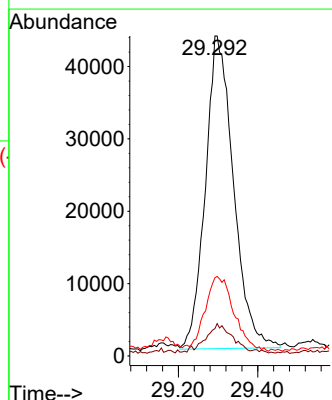
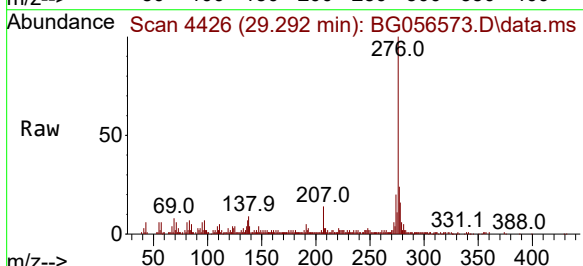
Tgt Ion:276 Resp: 212879

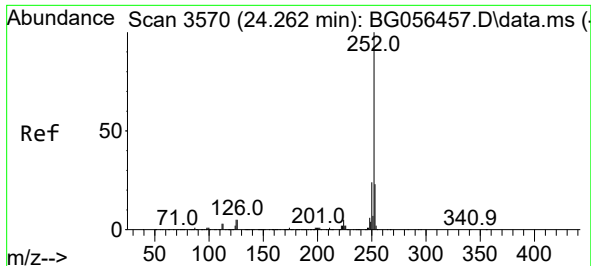
Ion Ratio Lower Upper

276 100

138 7.5 9.4 14.2#

277 24.8 20.3 30.5

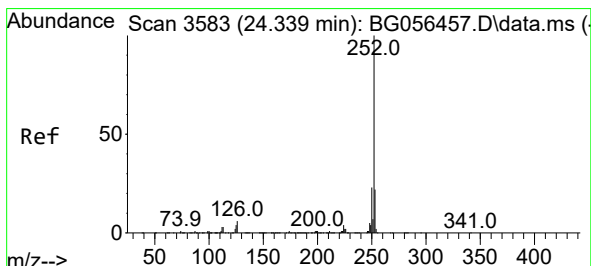
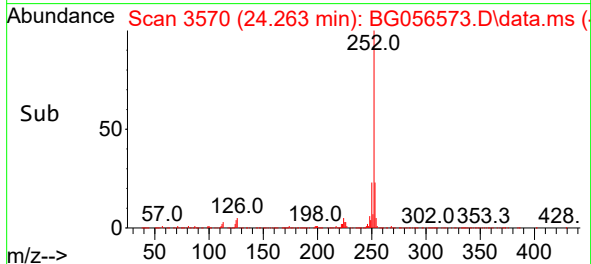
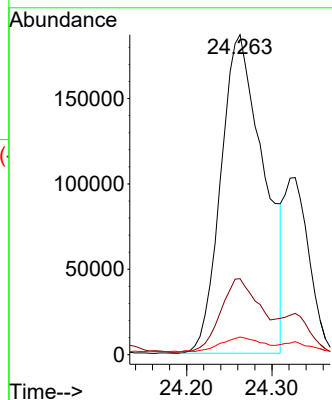
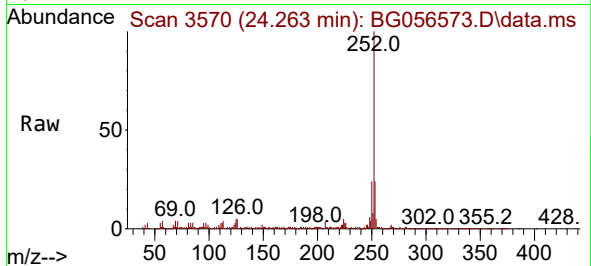




#88
Benzo(b)fluoranthene
Concen: 41.690 ng
RT: 24.263 min Scan# 3570
Delta R.T. 0.012 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

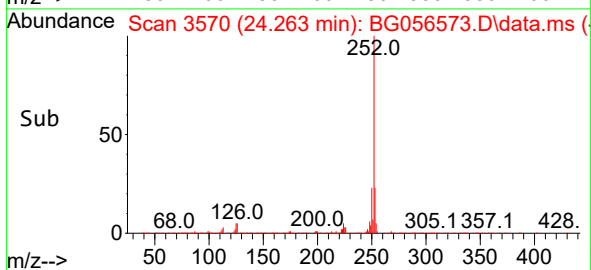
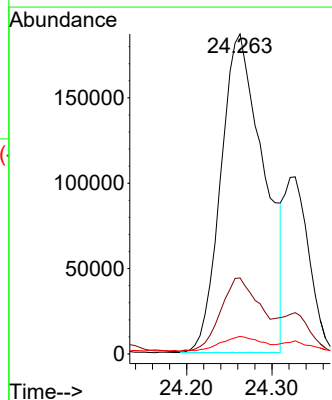
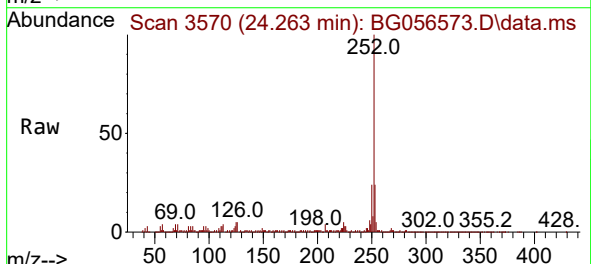
Instrument :
BNA_G
ClientSampleId :
COMP-1

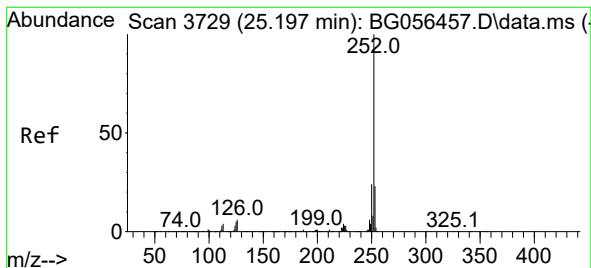
Tgt Ion:252 Resp: 653357
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 5.5 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 41.292 ng
RT: 24.263 min Scan# 3570
Delta R.T. -0.059 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:252 Resp: 653357
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 5.5 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 28.309 ng

RT: 25.197 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

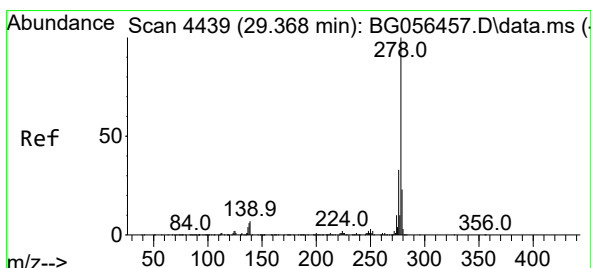
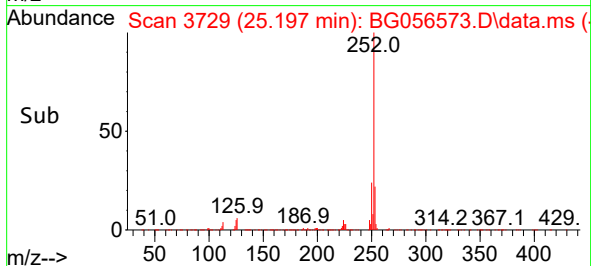
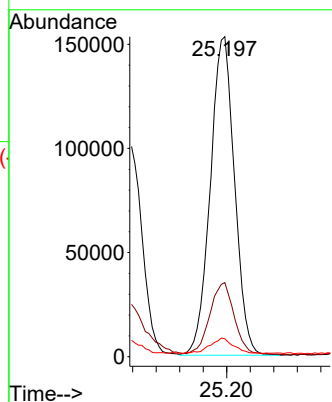
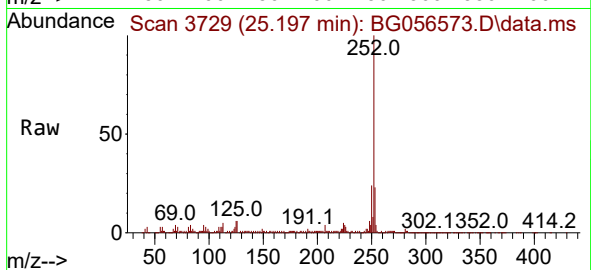
Tgt Ion:252 Resp: 437021

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 5.6 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 4.060 ng

RT: 29.339 min Scan# 4434

Delta R.T. -0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

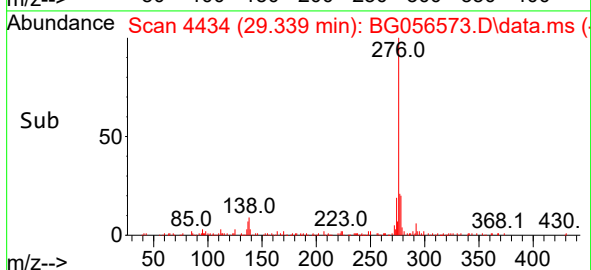
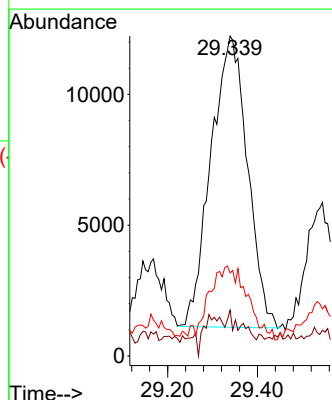
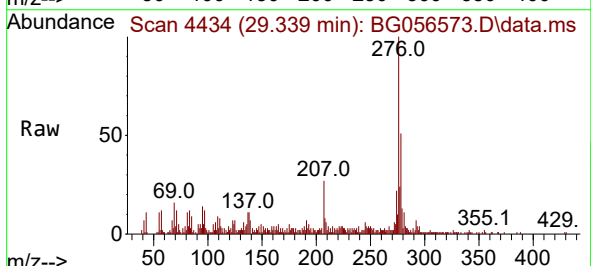
Tgt Ion:278 Resp: 62982

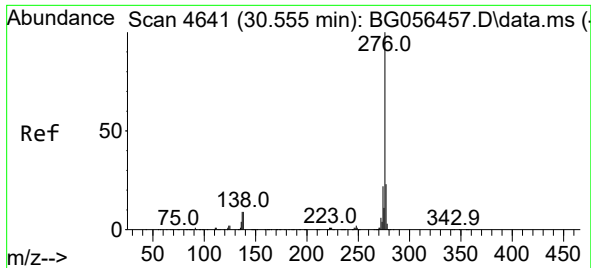
Ion Ratio Lower Upper

278 100

139 14.3 5.5 8.3#

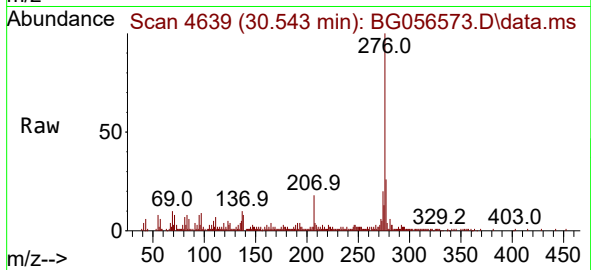
279 26.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 12.688 ng
 RT: 30.543 min Scan# 4639
 Delta R.T. 0.018 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



Tgt Ion:276 Resp: 189931

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.5	27.7
138	8.5	7.4	11.0

