

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056290.D
 Acq On : 13 Jan 2023 23:26
 Operator : CG/JU
 Sample : 01057-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

Quant Time: Jan 16 00:26:27 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)

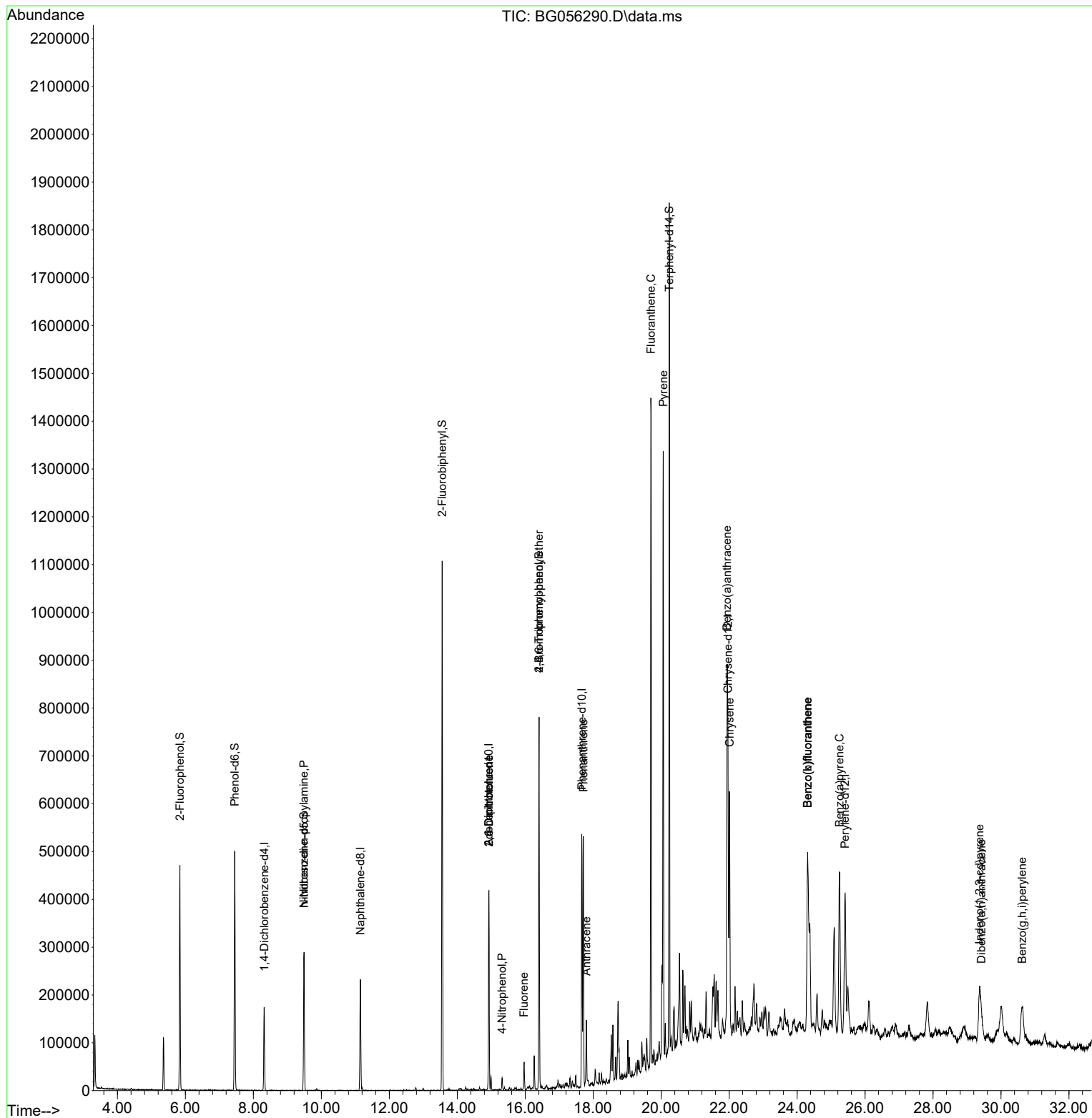
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	55932	20.000	ng	0.00
21) Naphthalene-d8	11.149	136	217377	20.000	ng	# 0.00
39) Acenaphthene-d10	14.927	164	162577	20.000	ng	0.00
64) Phenanthrene-d10	17.665	188	376736	20.000	ng	0.00
76) Chrysene-d12	21.965	240	350853	20.000	ng	# 0.00
86) Perylene-d12	25.408	264	384482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.837	112	257157	82.091	ng	0.01
7) Phenol-d6	7.453	99	380206	79.033	ng	0.00
23) Nitrobenzene-d5	9.492	82	204476	48.116	ng	0.00
42) 2,4,6-Tribromophenol	16.407	330	154343	74.960	ng	0.00
45) 2-Fluorobiphenyl	13.558	172	614755	52.216	ng	0.00
79) Terphenyl-d14	20.238	244	955538	48.779	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.492	70	25357	8.668	ng	# 70
51) 2,6-Dinitrotoluene	14.932	165	21987	7.862	ng	# 32
56) 4-Nitrophenol	15.320	139	5524	2.699	ng	# 3
57) 2,4-Dinitrotoluene	14.932	165	21987	5.622	ng	# 29
58) Fluorene	15.967	166	28324	2.188	ng	98
67) 4-Bromophenyl-phenylether	16.407	248	12654	2.638	ng	# 1
71) Phenanthrene	17.712	178	367221	18.809	ng	96
72) Anthracene	17.800	178	96359	4.784	ng	99
75) Fluoranthene	19.698	202	979841	38.475	ng	99
78) Pyrene	20.062	202	855773	34.605	ng	100
81) Benzo(a)anthracene	21.942	228	511218	20.745	ng	99
83) Chrysene	22.012	228	428530	18.565	ng	97
87) Indeno(1,2,3-cd)pyrene	29.369	276	261449	9.350	ng	# 95
88) Benzo(b)fluoranthene	24.310	252	576170	23.586	ng	100
89) Benzo(k)fluoranthene	24.310	252	576170	23.685	ng	99
90) Benzo(a)pyrene	25.250	252	447861	18.797	ng	99
91) Dibenzo(a,h)anthracene	29.421	278	72115	3.076	ng	# 99
92) Benzo(g,h,i)perylene	30.626	276	242679	10.675	ng	99

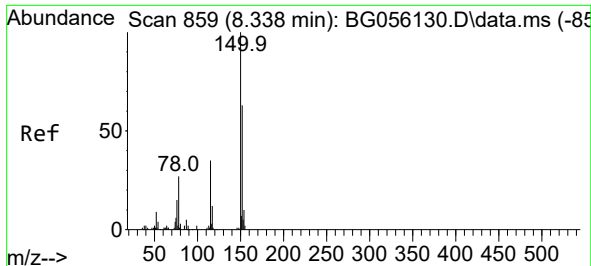
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 03:38:40 2023
Response via : Initial Calibration

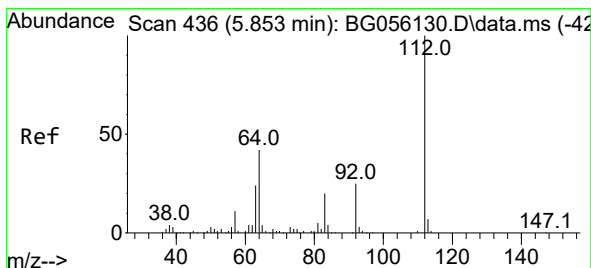
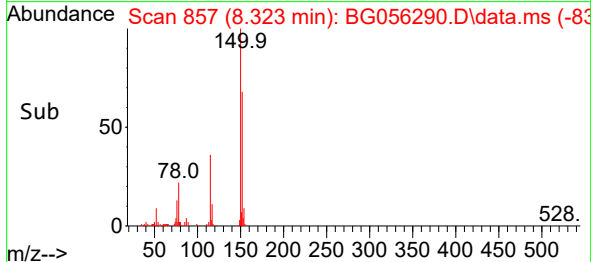
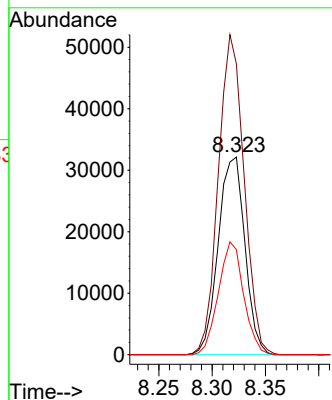
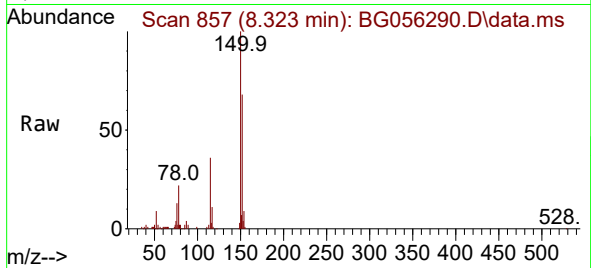




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.323 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

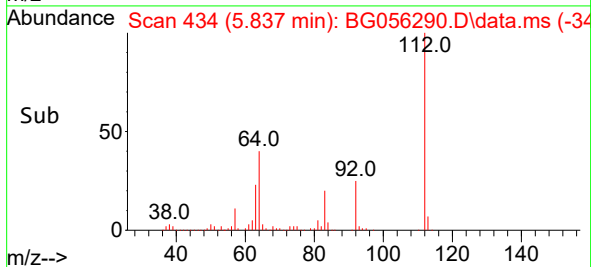
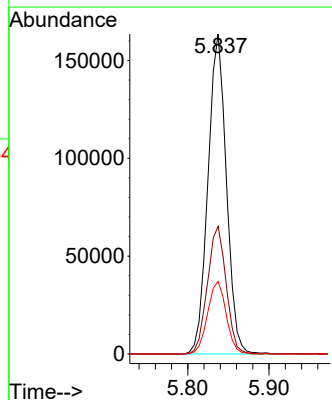
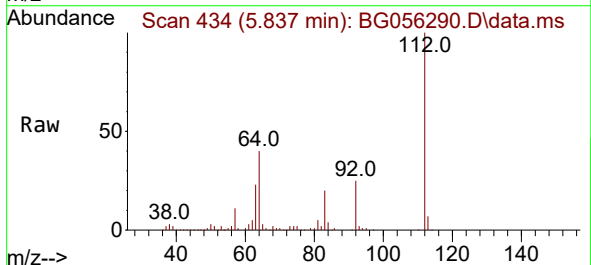
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

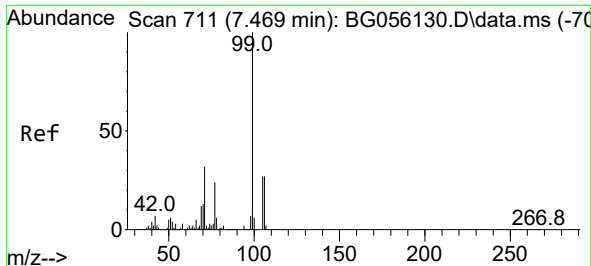
Tgt Ion:152 Resp: 55932
Ion Ratio Lower Upper
152 100
150 147.2 127.9 191.9
115 53.2 44.2 66.2



#5
2-Fluorophenol
Concen: 82.091 ng
RT: 5.837 min Scan# 434
Delta R.T. 0.012 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:112 Resp: 257157
Ion Ratio Lower Upper
112 100
64 39.9 33.3 49.9
63 22.7 19.0 28.4

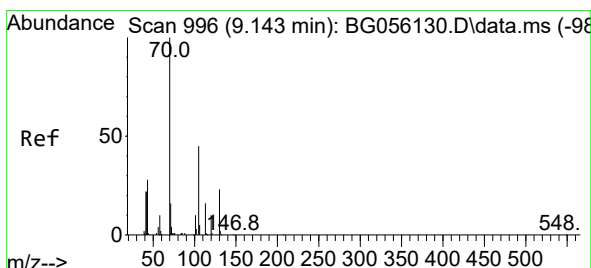
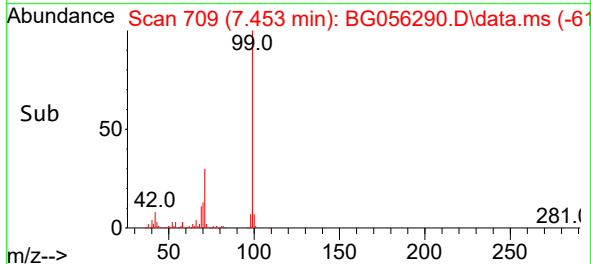
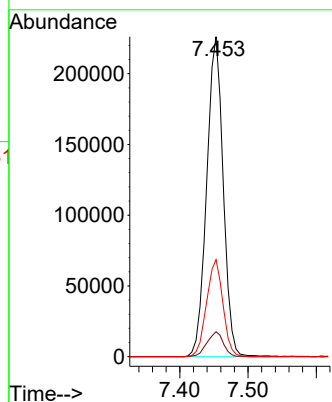
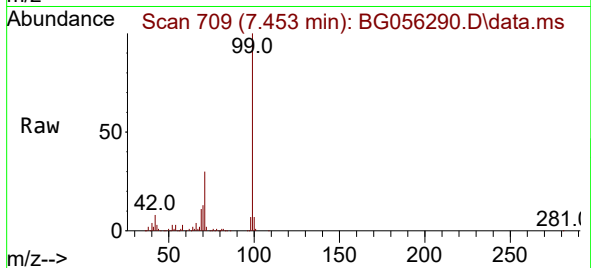




#7
Phenol-d6
Concen: 79.033 ng
RT: 7.453 min Scan# 711
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

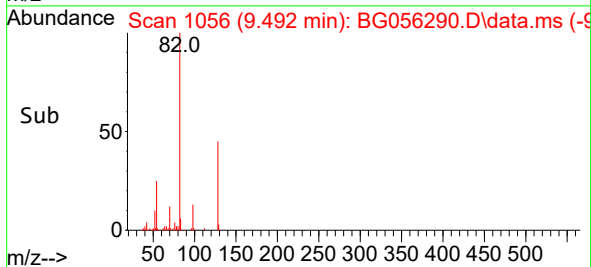
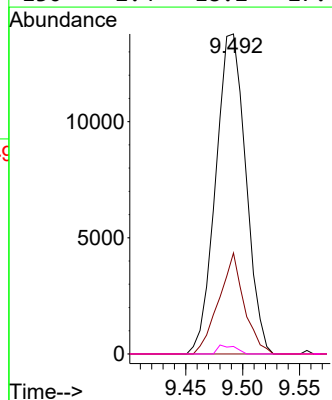
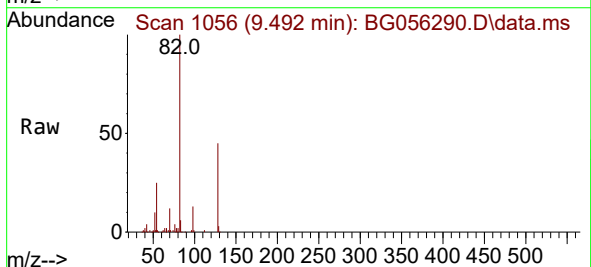
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

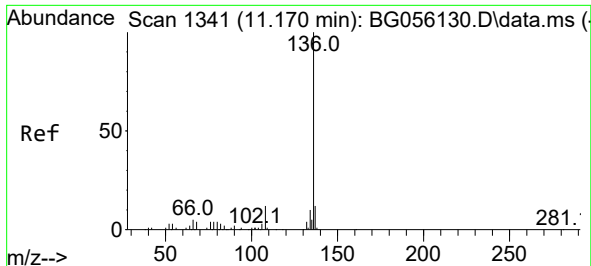
Tgt Ion: 99 Resp: 380206
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 30.4 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.668 ng
RT: 9.492 min Scan# 1056
Delta R.T. 0.376 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion: 70 Resp: 25357
Ion Ratio Lower Upper
70 100
42 31.6 18.2 27.2#
101 0.0 8.3 12.5#
130 2.4 18.2 27.4#

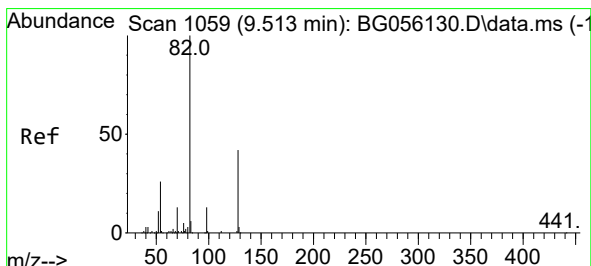
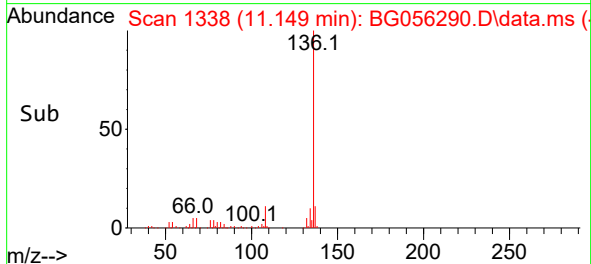
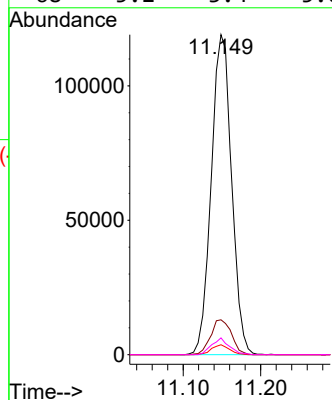
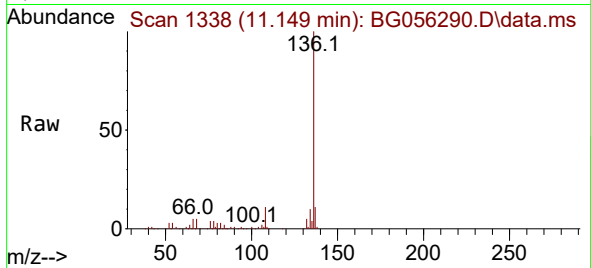




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.149 min Scan# 111
Delta R.T. -0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

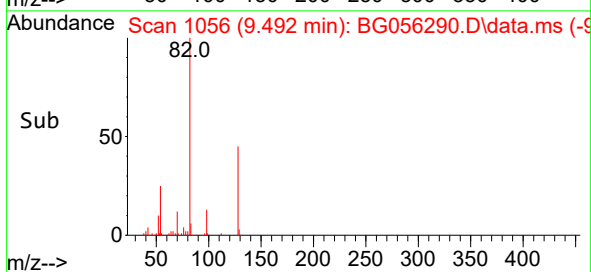
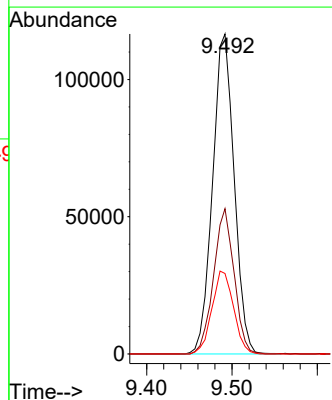
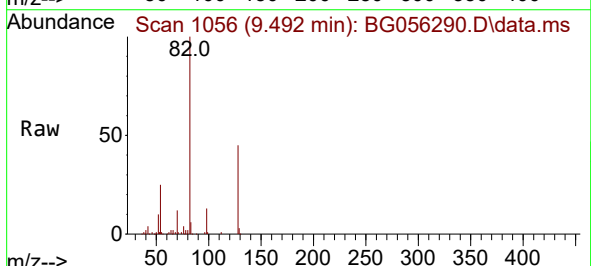
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

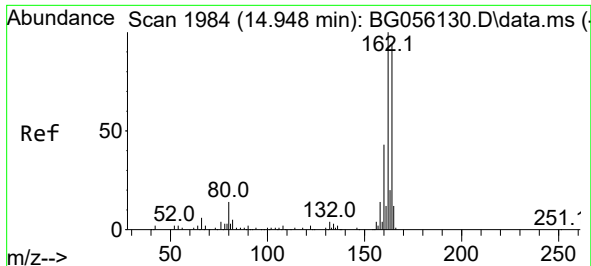
Tgt Ion:136 Resp: 217377
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 3.1 2.2 3.2
68 5.2 3.4 5.0#



#23
Nitrobenzene-d5
Concen: 48.116 ng
RT: 9.492 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion: 82 Resp: 204476
Ion Ratio Lower Upper
82 100
128 45.4 33.4 50.2
54 25.2 20.3 30.5

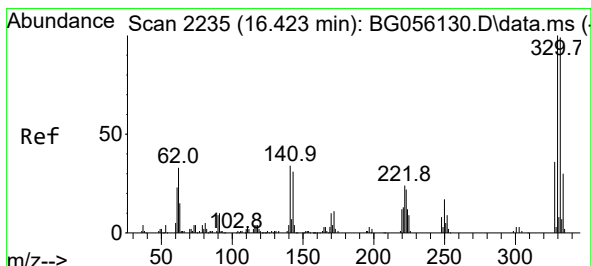
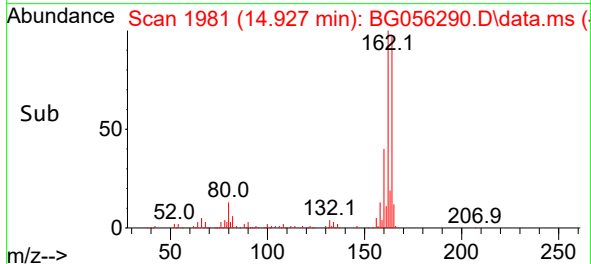
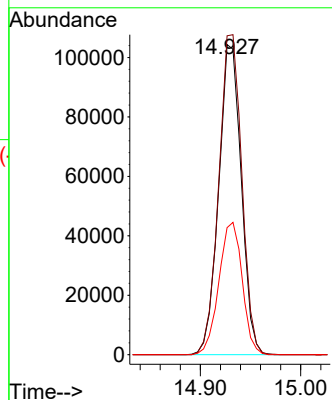
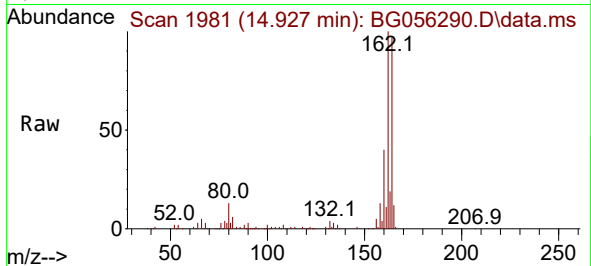




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.927 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

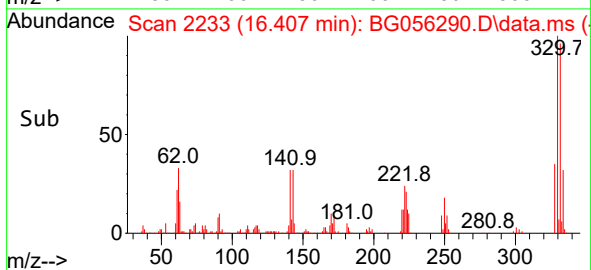
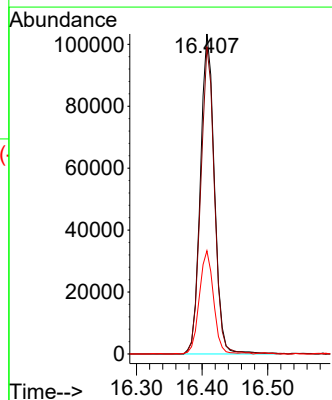
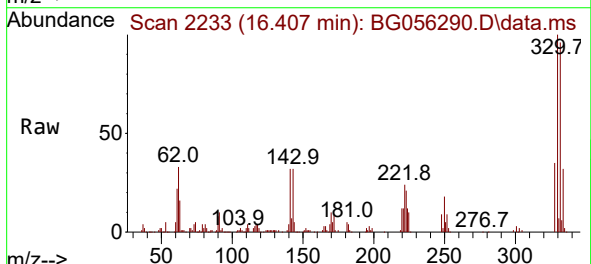
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

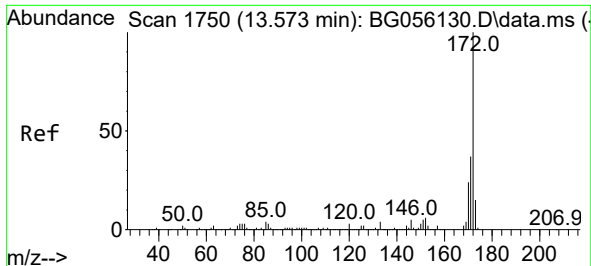
Tgt Ion:164 Resp: 162577
Ion Ratio Lower Upper
164 100
162 102.9 84.7 127.1
160 41.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 74.960 ng
RT: 16.407 min Scan# 2233
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:330 Resp: 154343
Ion Ratio Lower Upper
330 100
332 94.1 77.3 115.9
141 32.5 27.9 41.9

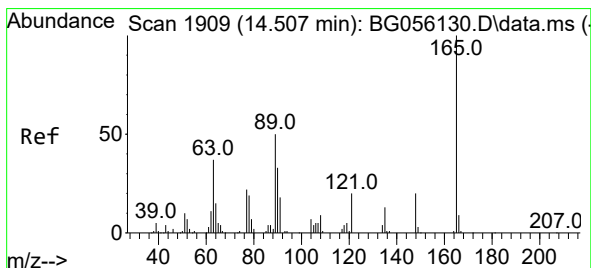
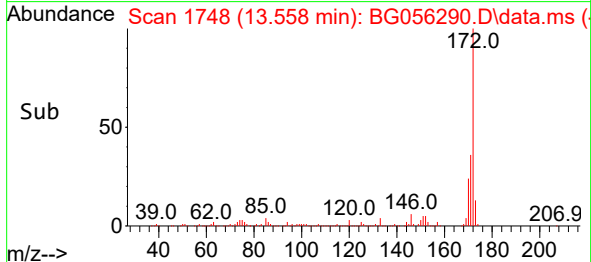
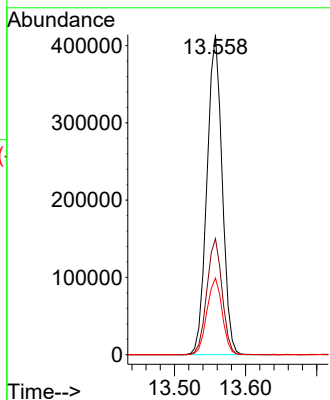
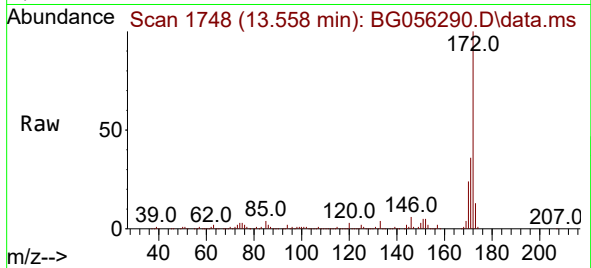




#45
2-Fluorobiphenyl
Concen: 52.216 ng
RT: 13.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

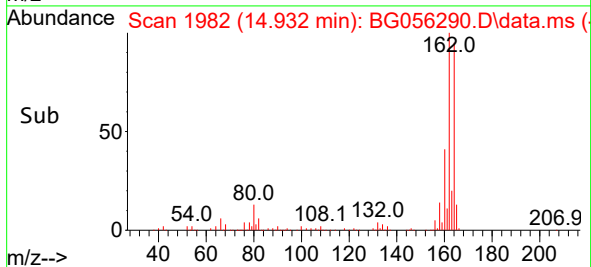
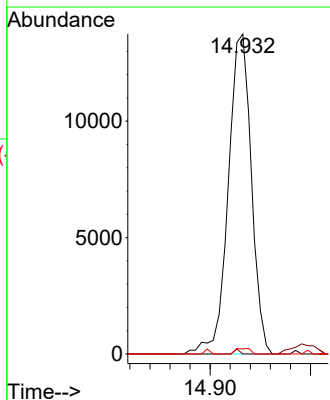
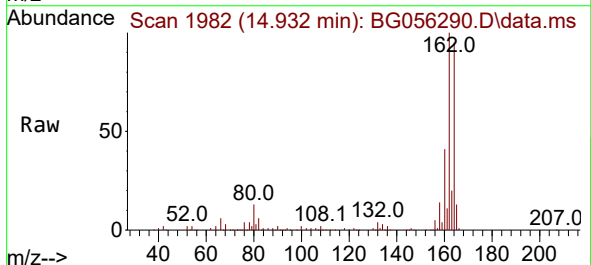
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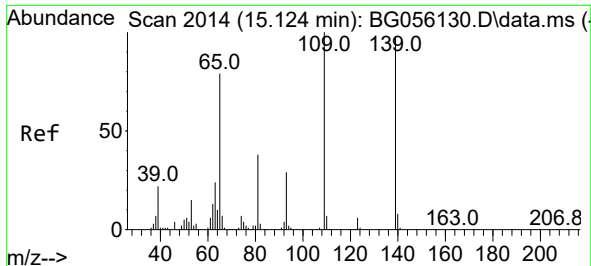
Tgt Ion:172 Resp: 614755
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.9 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.862 ng
RT: 14.932 min Scan# 1982
Delta R.T. 0.441 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:165 Resp: 21987
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.6 39.8 59.8#

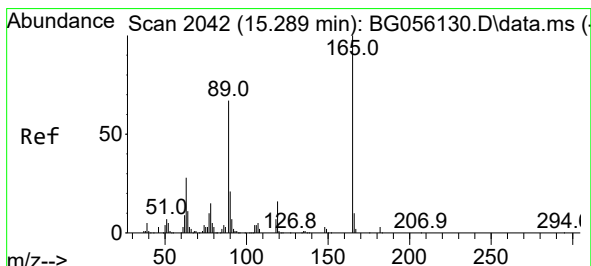
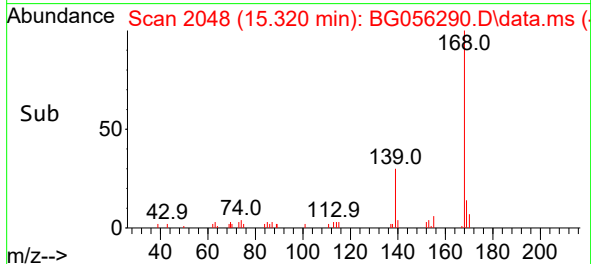
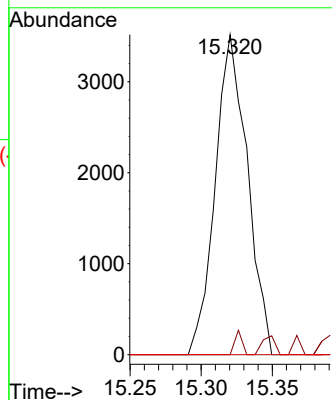
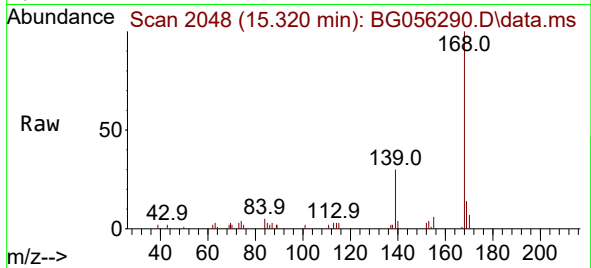




#56
4-Nitrophenol
Concen: 2.699 ng
RT: 15.320 min Scan# 2014
Delta R.T. 0.212 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

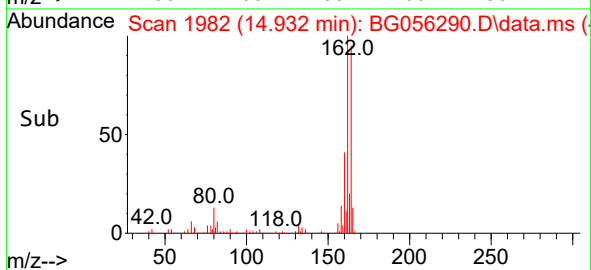
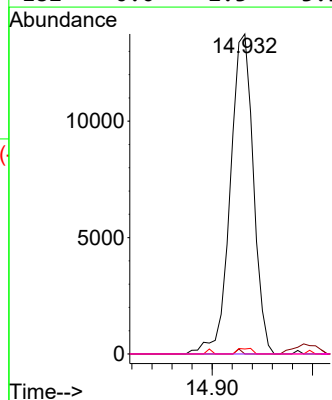
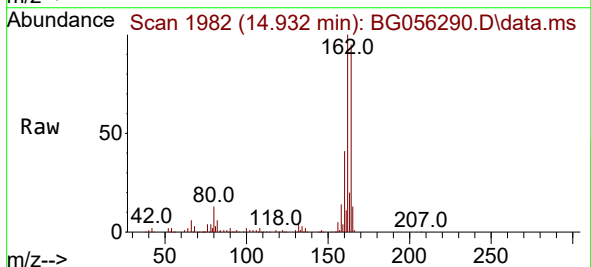
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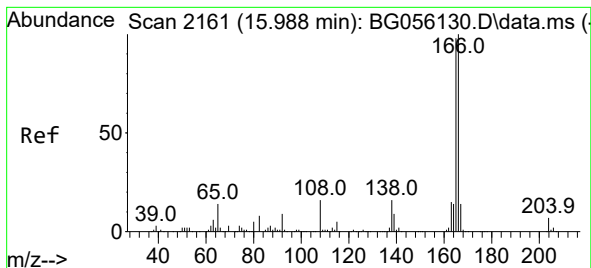
Tgt Ion:139 Resp: 5524
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 0.0 60.6 100.6#



#57
2,4-Dinitrotoluene
Concen: 5.622 ng
RT: 14.932 min Scan# 1982
Delta R.T. -0.341 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:165 Resp: 21987
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.6 53.2 79.8#
182 0.0 2.3 3.5#





#58

Fluorene

Concen: 2.188 ng

RT: 15.967 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

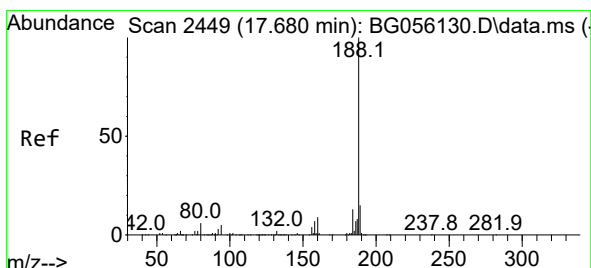
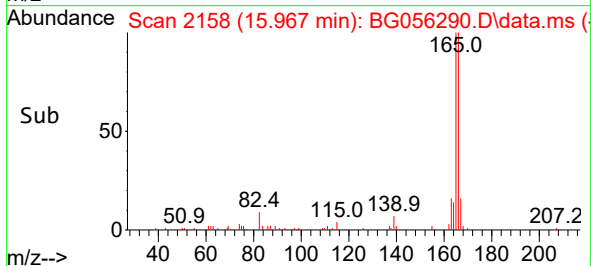
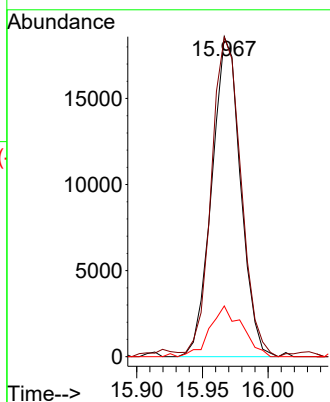
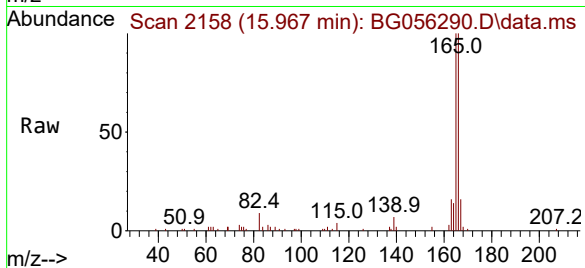
Tgt Ion:166 Resp: 28324

Ion Ratio Lower Upper

166 100

165 99.8 78.6 118.0

167 15.9 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.665 min Scan# 2447

Delta R.T. 0.000 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

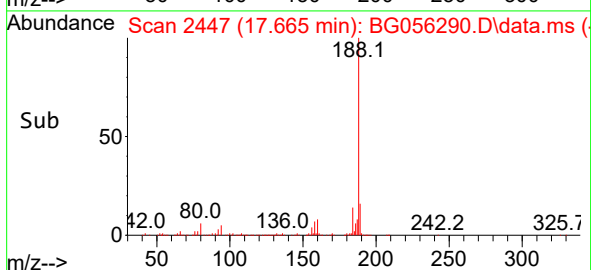
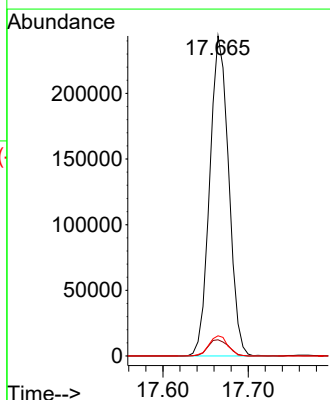
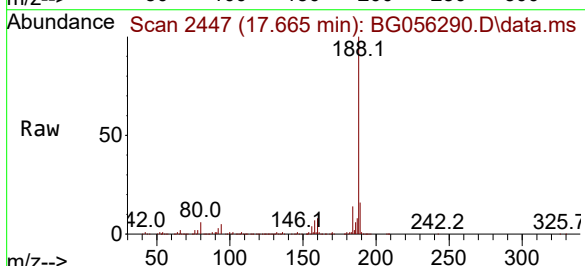
Tgt Ion:188 Resp: 376736

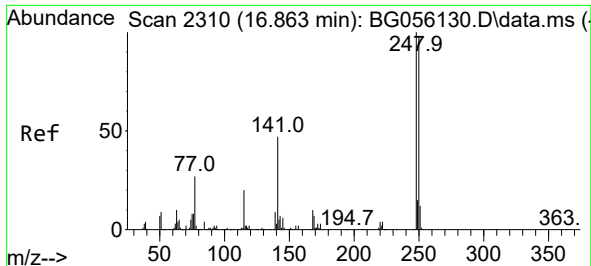
Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.2

80 6.3 5.0 7.4

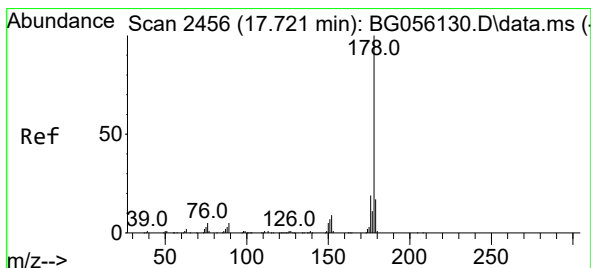
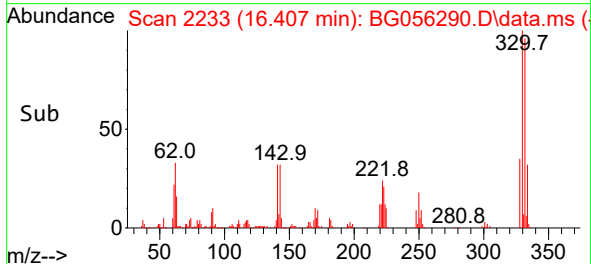
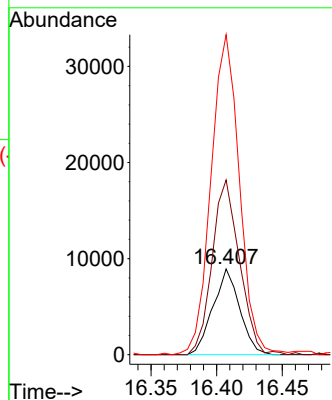
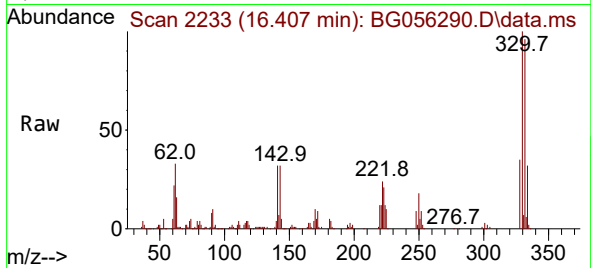




#67
4-Bromophenyl-phenylether
Concen: 2.638 ng
RT: 16.407 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

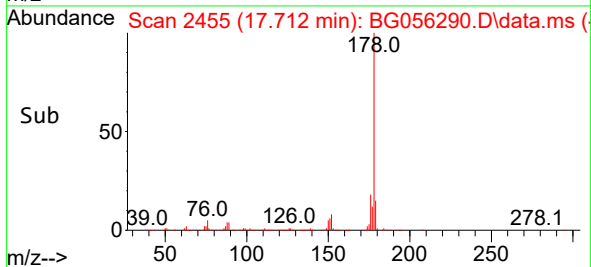
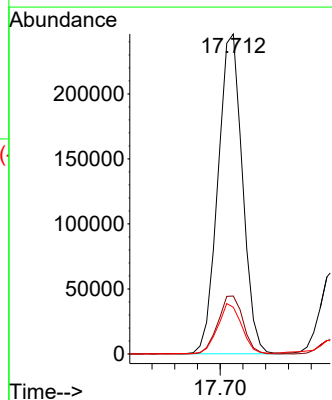
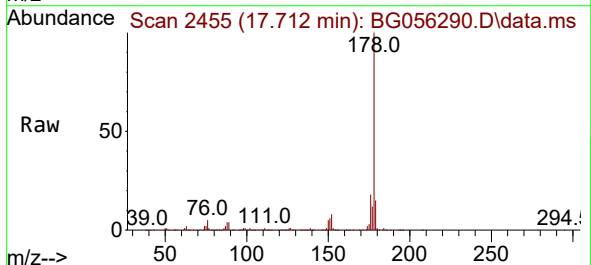
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

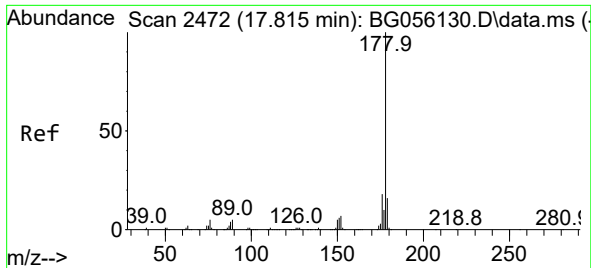
Tgt Ion:248 Resp: 12654
Ion Ratio Lower Upper
248 100
250 256.9 78.2 117.4#
141 372.9 37.6 56.4#



#71
Phenanthrene
Concen: 18.809 ng
RT: 17.712 min Scan# 2455
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:178 Resp: 367221
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 14.6 13.6 20.4

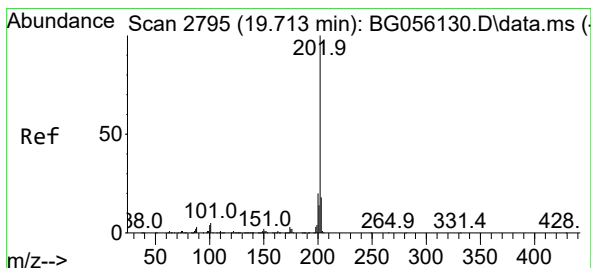
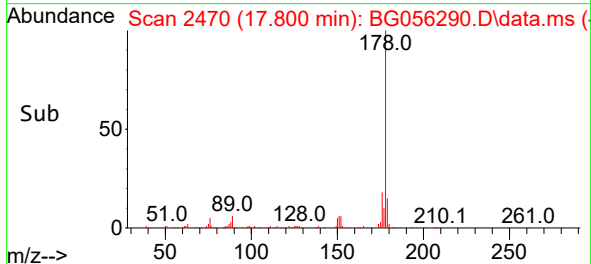
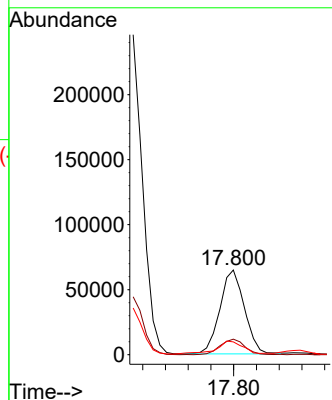
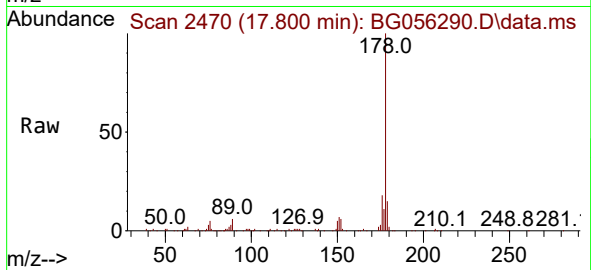




#72
 Anthracene
 Concen: 4.784 ng
 RT: 17.800 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BG056290.D
 Acq: 13 Jan 2023 23:26

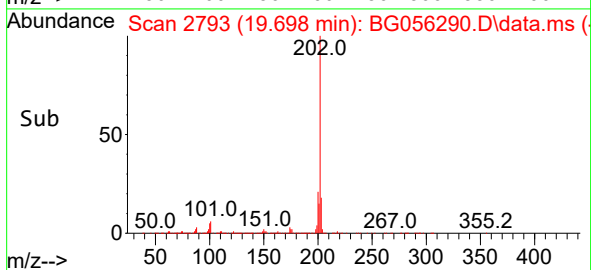
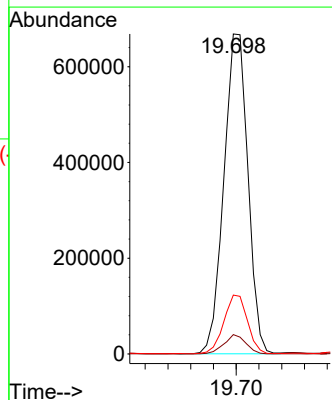
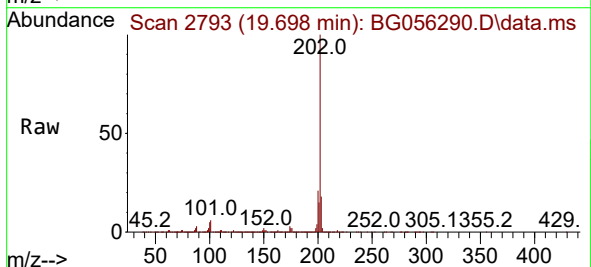
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

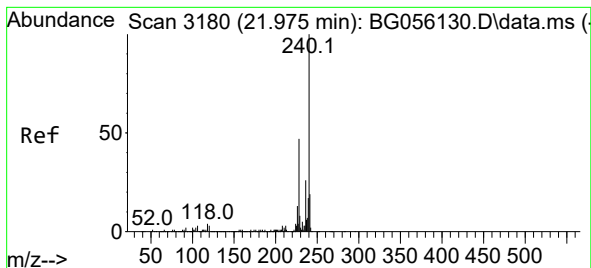
Tgt Ion:178 Resp: 96359
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 15.0 12.7 19.1



#75
 Fluoranthene
 Concen: 38.475 ng
 RT: 19.698 min Scan# 2793
 Delta R.T. 0.000 min
 Lab File: BG056290.D
 Acq: 13 Jan 2023 23:26

Tgt Ion:202 Resp: 979841
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 25.0
 203 18.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.965 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

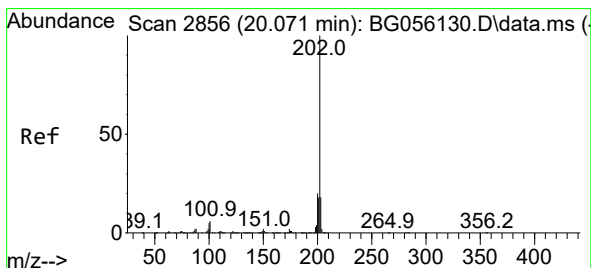
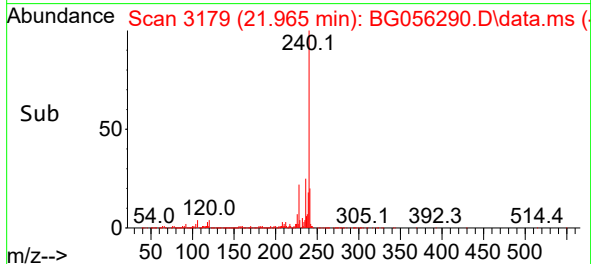
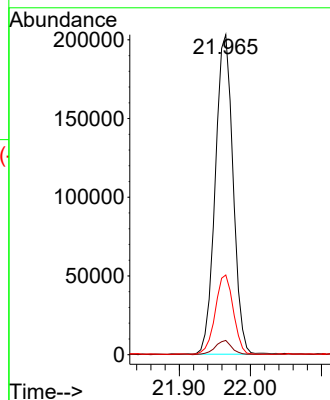
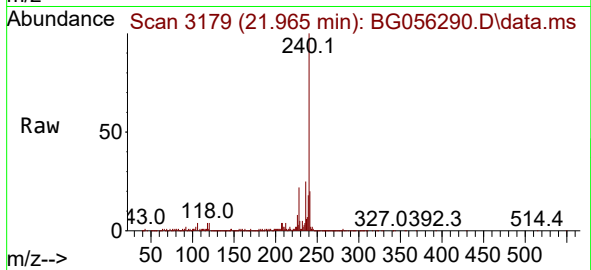
Tgt Ion:240 Resp: 350853

Ion Ratio Lower Upper

240 100

120 4.4 2.6 4.0#

236 24.9 20.8 31.2



#78

Pyrene

Concen: 34.605 ng

RT: 20.062 min Scan# 2855

Delta R.T. 0.006 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

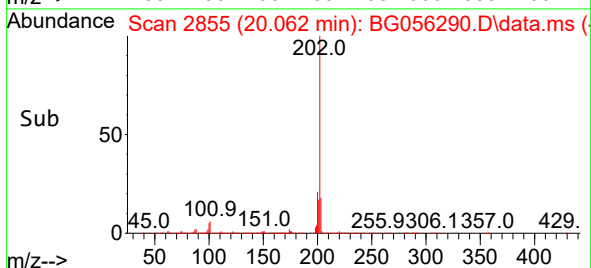
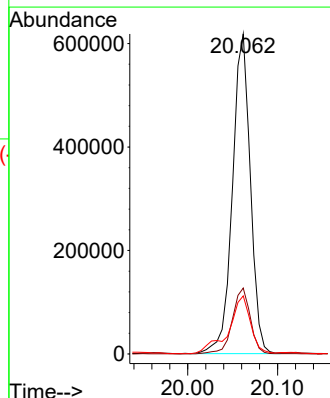
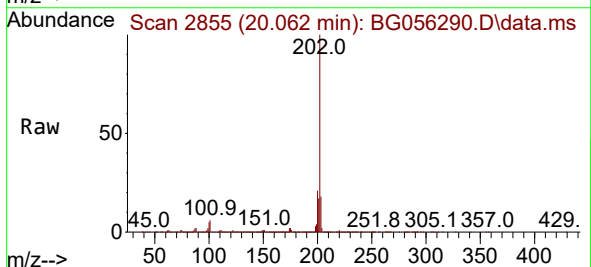
Tgt Ion:202 Resp: 855773

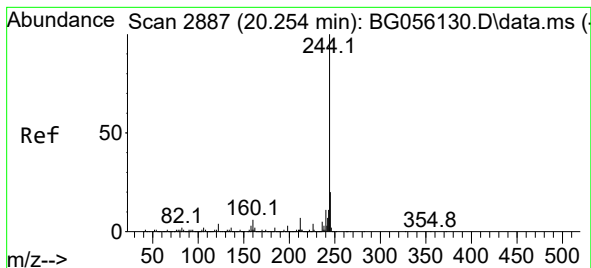
Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

203 18.2 14.3 21.5





#79

Terphenyl-d14

Concen: 48.779 ng

RT: 20.238 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

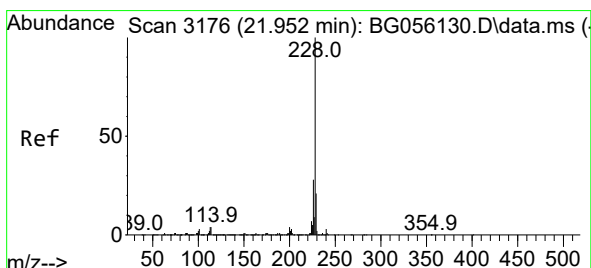
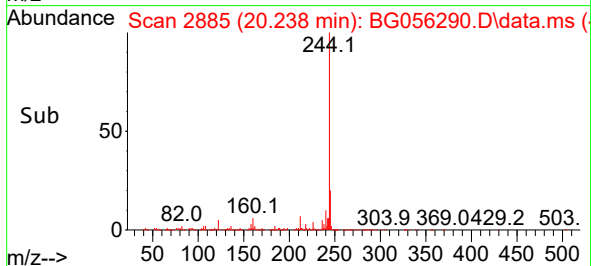
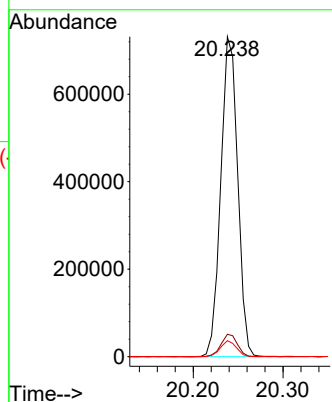
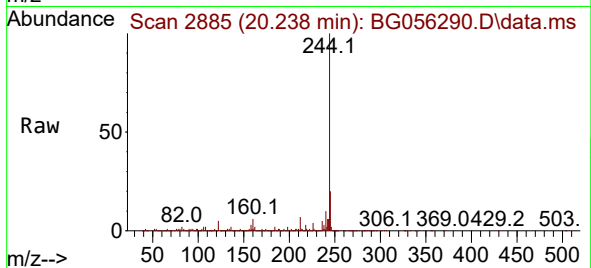
Tgt Ion:244 Resp: 955538

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 5.0 3.5 5.3



#81

Benzo(a)anthracene

Concen: 20.745 ng

RT: 21.942 min Scan# 3175

Delta R.T. -0.000 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

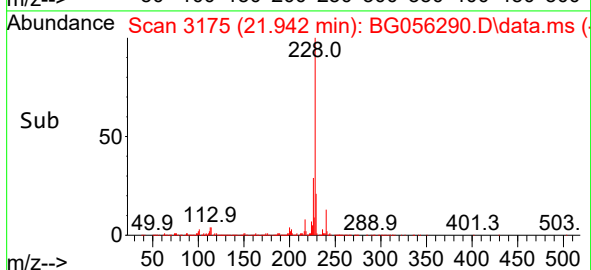
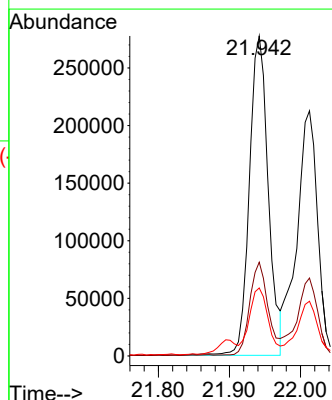
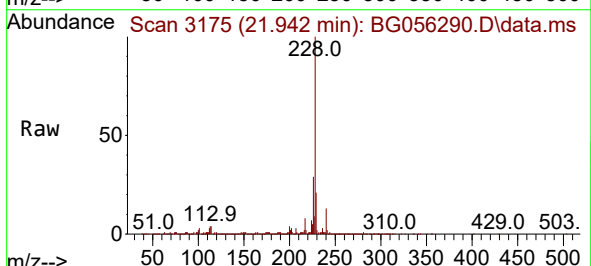
Tgt Ion:228 Resp: 511218

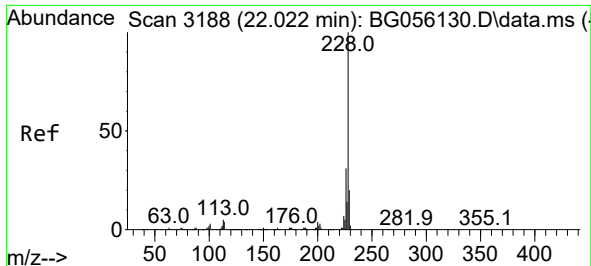
Ion Ratio Lower Upper

228 100

226 29.3 22.6 34.0

229 21.3 16.9 25.3

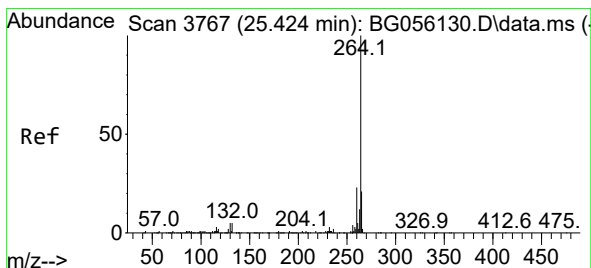
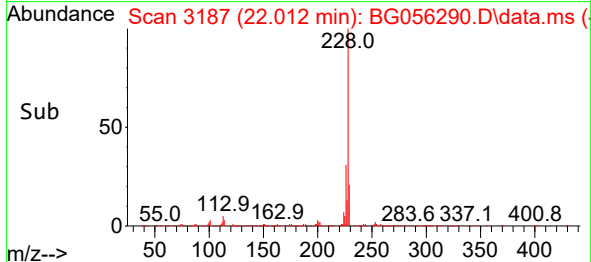
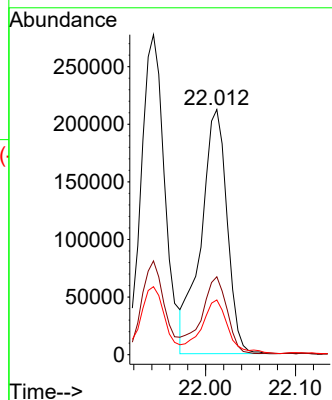
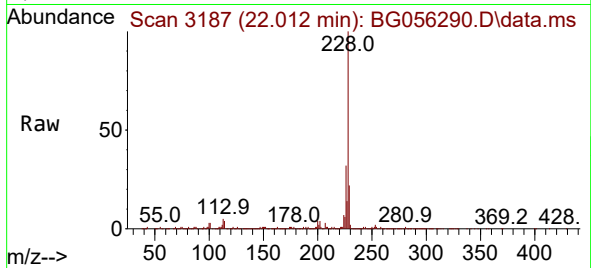




#83
Chrysene
Concen: 18.565 ng
RT: 22.012 min Scan# 3188
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

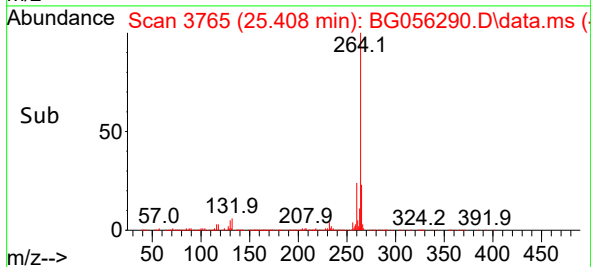
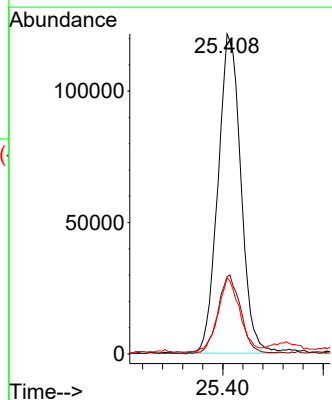
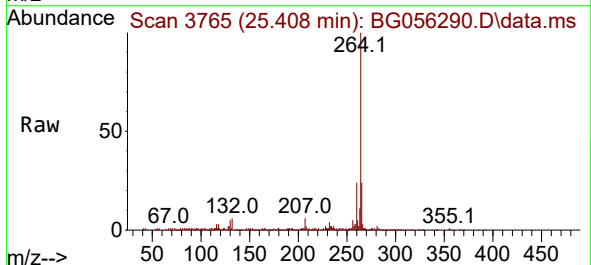
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

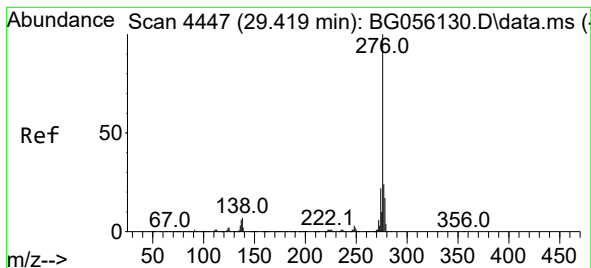
Tgt Ion:228 Resp: 428530
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 22.3 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.408 min Scan# 3765
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:264 Resp: 384482
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 23.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.350 ng

RT: 29.369 min Scan# 4447

Delta R.T. 0.006 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

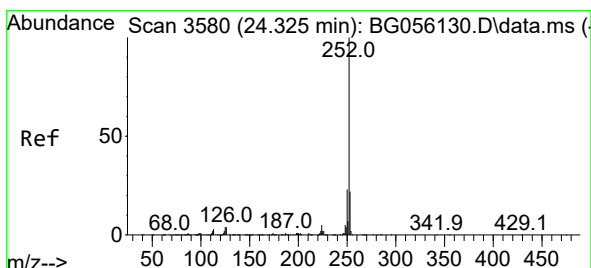
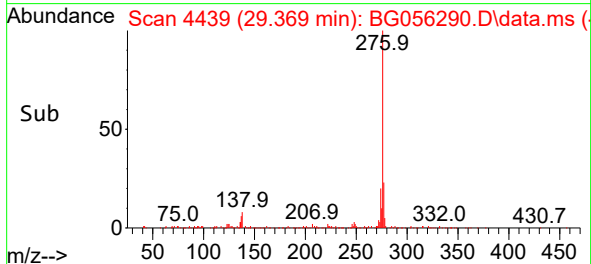
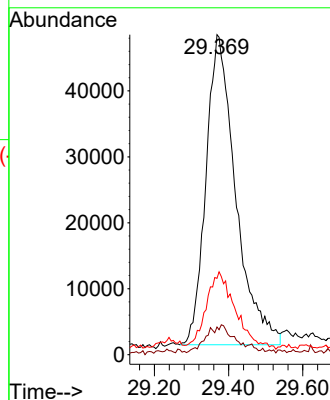
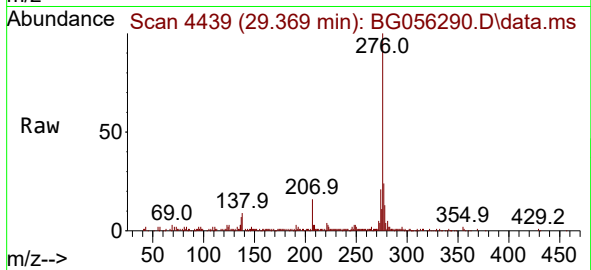
Tgt Ion:276 Resp: 261449

Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4#

277 24.9 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 23.586 ng

RT: 24.310 min Scan# 3578

Delta R.T. 0.012 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

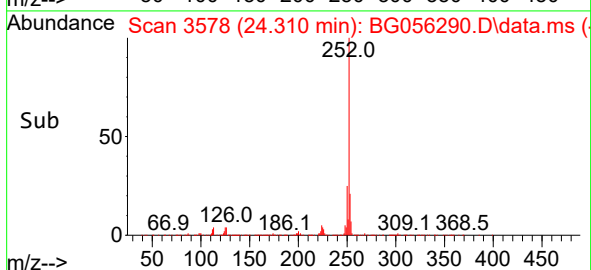
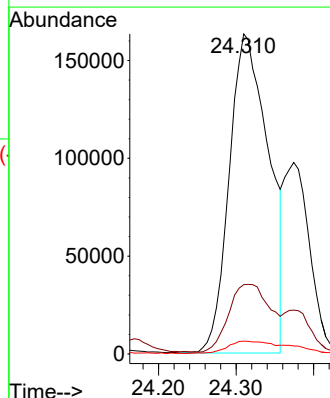
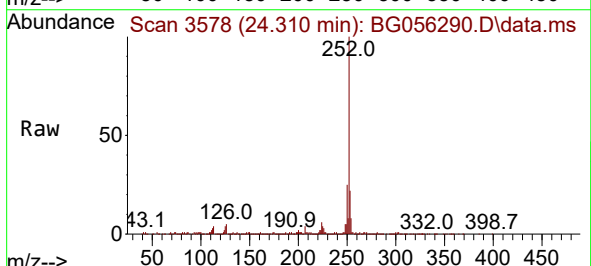
Tgt Ion:252 Resp: 576170

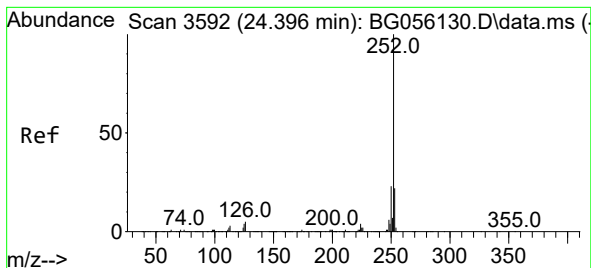
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 4.0 3.0 4.4





#89

Benzo(k)fluoranthene

Concen: 23.685 ng

RT: 24.310 min Scan# 31

Delta R.T. -0.065 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

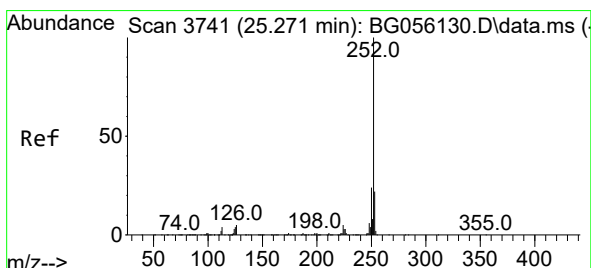
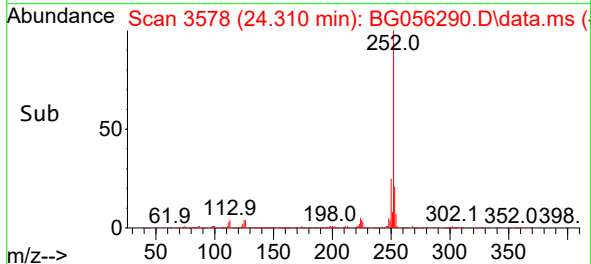
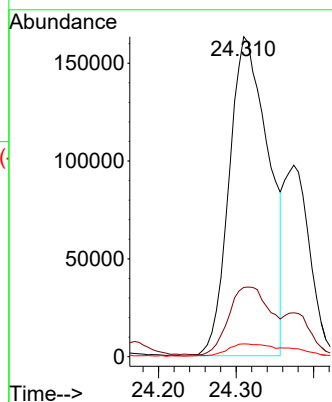
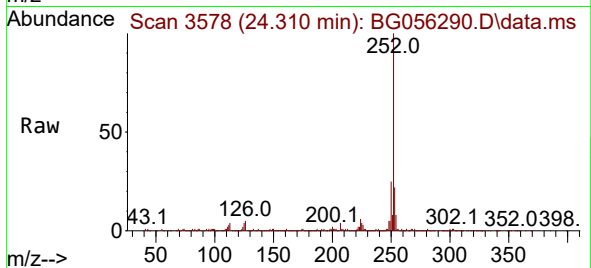
Tgt Ion:252 Resp: 576170

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 4.0 3.4 5.0



#90

Benzo(a)pyrene

Concen: 18.797 ng

RT: 25.250 min Scan# 3738

Delta R.T. 0.006 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

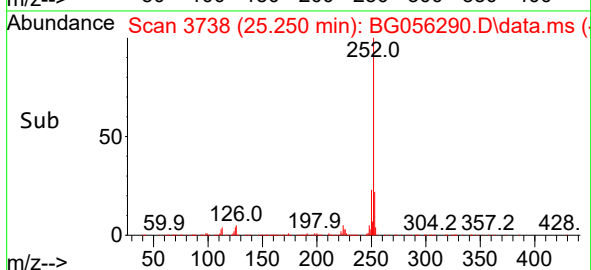
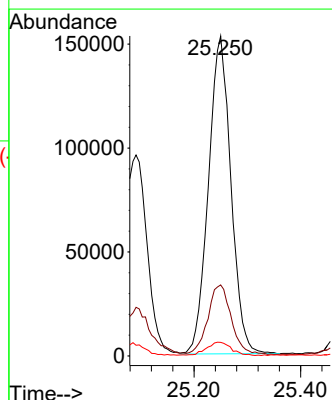
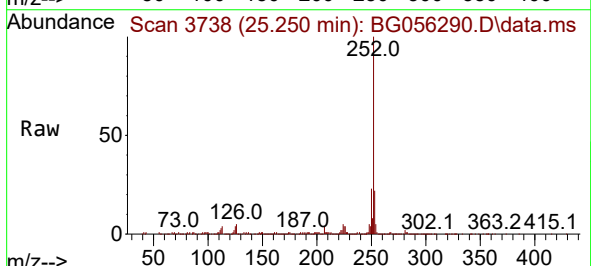
Tgt Ion:252 Resp: 447861

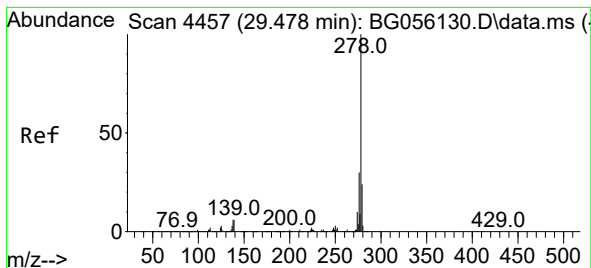
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 4.2 3.2 4.8





#91

Dibenzo(a,h)anthracene

Concen: 3.076 ng

RT: 29.421 min Scan# 4448

Delta R.T. -0.012 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

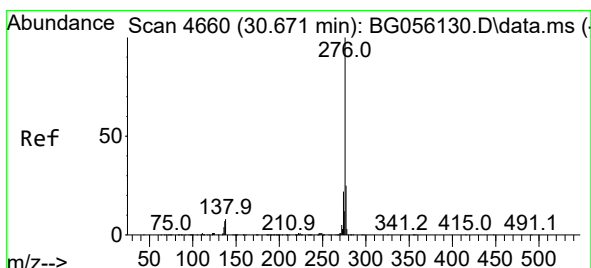
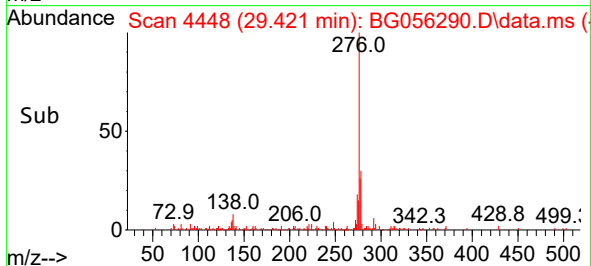
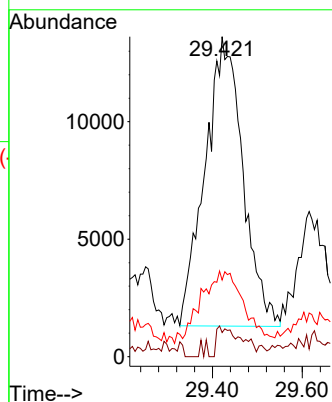
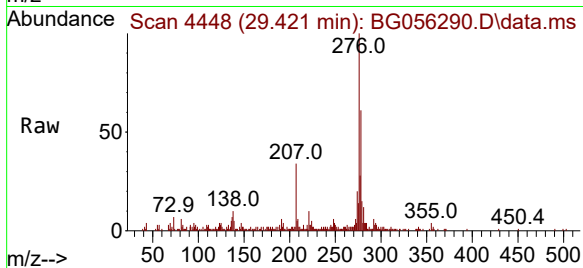
Tgt Ion:278 Resp: 72115

Ion Ratio Lower Upper

278 100

139 7.5 4.8 7.2#

279 24.0 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 10.675 ng

RT: 30.626 min Scan# 4653

Delta R.T. 0.012 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Tgt Ion:276 Resp: 242679

Ion Ratio Lower Upper

276 100

277 24.1 19.7 29.5

138 9.1 6.7 10.1

