

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056358.D
 Acq On : 19 Jan 2023 22:33
 Operator : CG/JU
 Sample : 01179-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21127

Quant Time: Jan 20 01:37:56 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 19 00:31:30 2023
 Response via : Initial Calibration

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

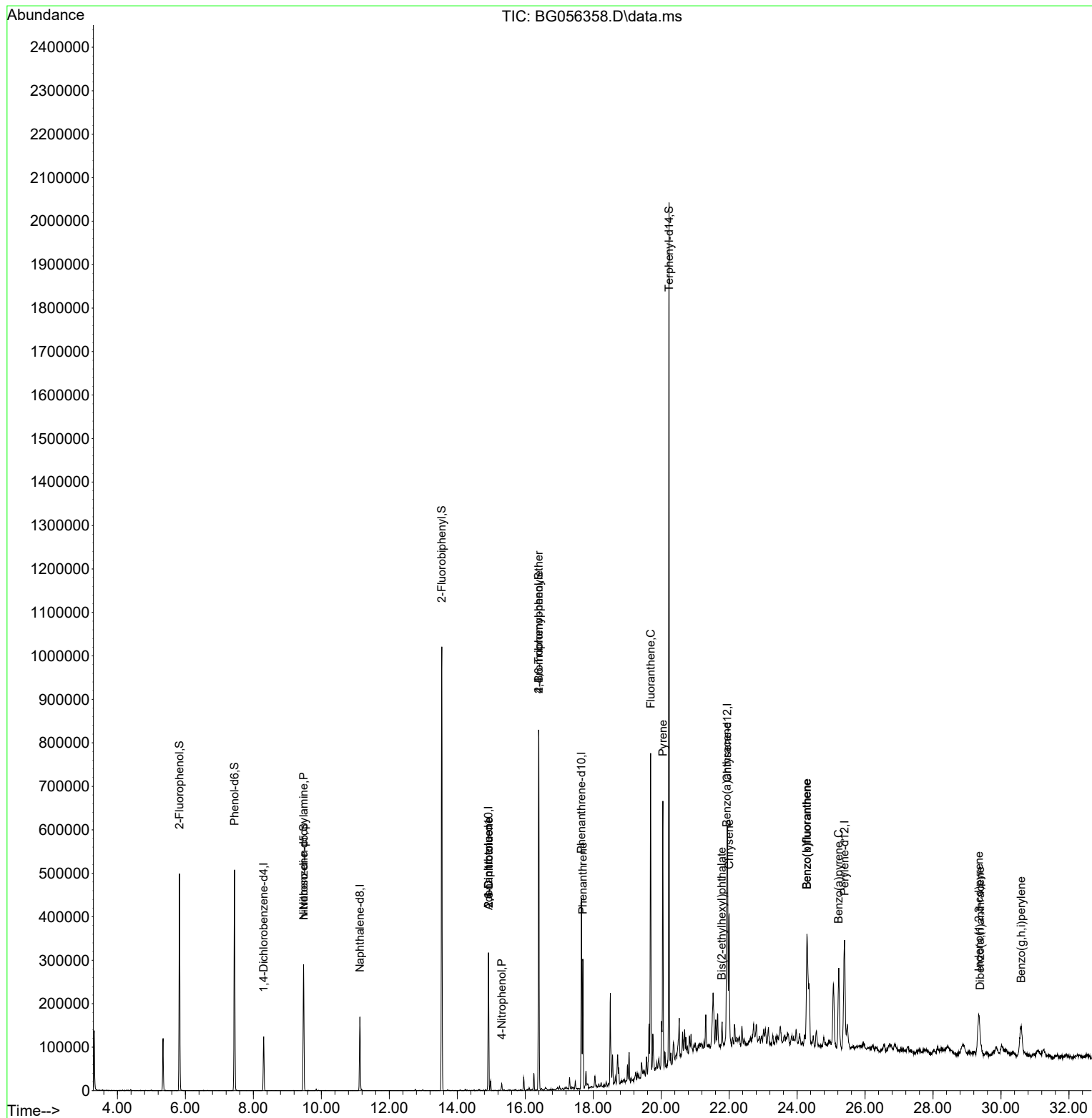
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	42186	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	158842	20.000	ng	0.00
39) Acenaphthene-d10	14.915	164	127229	20.000	ng	0.00
64) Phenanthrene-d10	17.653	188	315276	20.000	ng	0.00
76) Chrysene-d12	21.948	240	286275	20.000	ng	0.00
86) Perylene-d12	25.397	264	310802	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	285904	121.007	ng	0.00
7) Phenol-d6	7.448	99	392330	108.126	ng	0.00
23) Nitrobenzene-d5	9.480	82	202961	65.359	ng	0.00
42) 2,4,6-Tribromophenol	16.402	330	183873	114.112	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	591654	64.216	ng	0.00
79) Terphenyl-d14	20.233	244	1054390	65.967	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.480	70	26027	11.796	ng	# 78
51) 2,6-Dinitrotoluene	14.921	165	17189	7.854	ng	# 31
56) 4-Nitrophenol	15.309	139	3406	2.126	ng	# 3
57) 2,4-Dinitrotoluene	14.921	165	17189	5.616	ng	# 28
67) 4-Bromophenyl-phenylether	16.402	248	14380	3.582	ng	# 1
71) Phenanthrene	17.694	178	207609	12.707	ng	97
75) Fluoranthene	19.692	202	519246	24.364	ng	99
78) Pyrene	20.050	202	424730	21.049	ng	99
81) Benzo(a)anthracene	21.931	228	220503	10.966	ng	98
83) Chrysene	22.001	228	252426	13.402	ng	98
84) Bis(2-ethylhexyl)phtha...	21.790	149	20506	2.459	ng	99
87) Indeno(1,2,3-cd)pyrene	29.351	276	183634	8.124	ng	# 96
88) Benzo(b)fluoranthene	24.292	252	375506	19.016	ng	99
89) Benzo(k)fluoranthene	24.292	252	375506	19.096	ng	100
90) Benzo(a)pyrene	25.227	252	236696	12.289	ng	99
91) Dibenzo(a,h)anthracene	29.387	278	48597	2.564	ng	# 96
92) Benzo(g,h,i)perylene	30.591	276	175247	9.536	ng	99

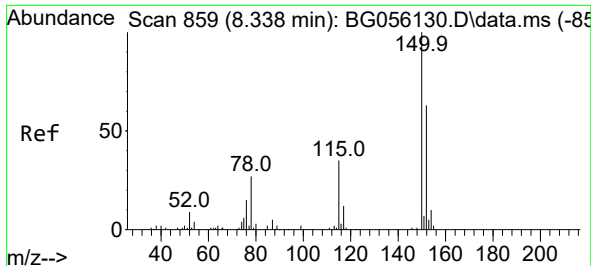
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

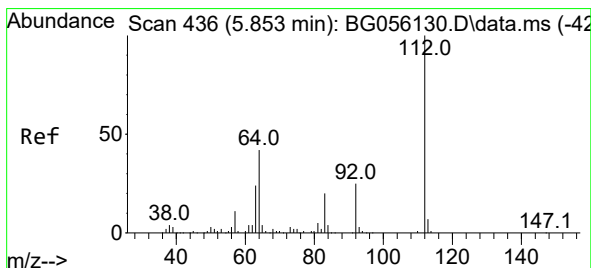
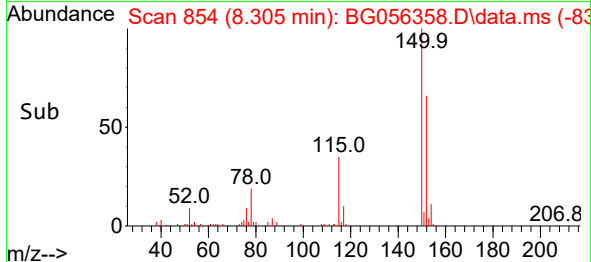
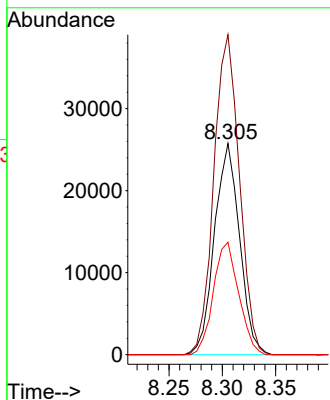
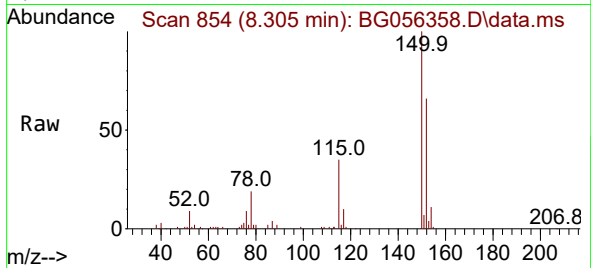




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.305 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG056358.D
 Acq: 19 Jan 2023 22:33

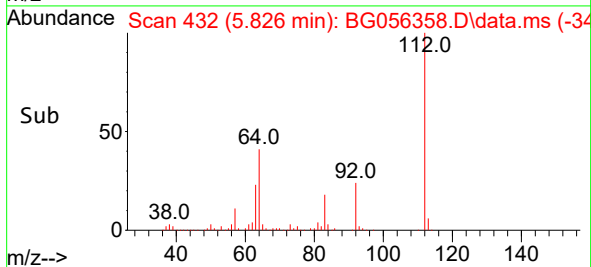
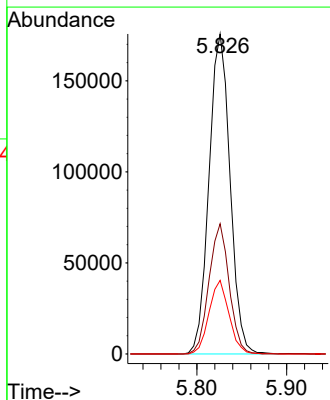
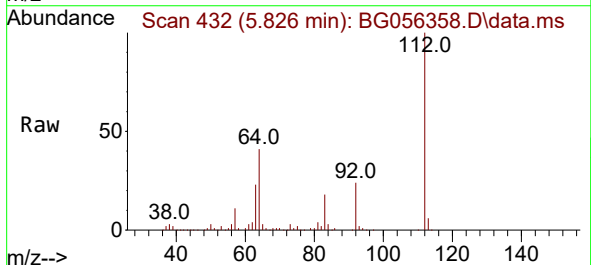
Instrument :
 BNA_G
 ClientSampleId :
 RB21127

Tgt Ion:152 Resp: 42186
 Ion Ratio Lower Upper
 152 100
 150 151.6 127.9 191.9
 115 53.3 44.2 66.2



#5
 2-Fluorophenol
 Concen: 121.007 ng
 RT: 5.826 min Scan# 432
 Delta R.T. -0.001 min
 Lab File: BG056358.D
 Acq: 19 Jan 2023 22:33

Tgt Ion:112 Resp: 285904
 Ion Ratio Lower Upper
 112 100
 64 40.7 33.3 49.9
 63 23.0 19.0 28.4

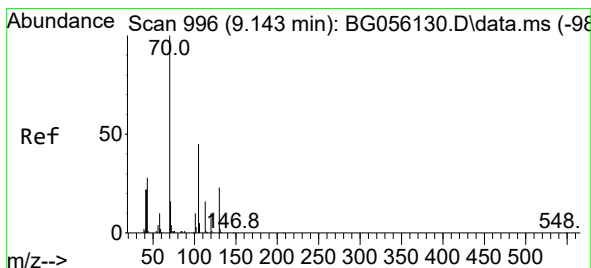
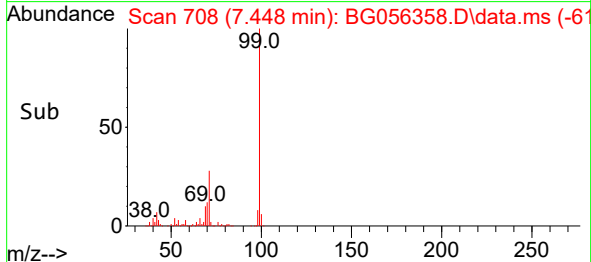
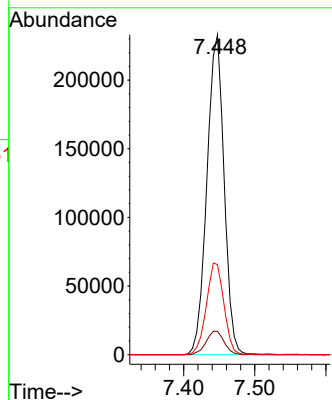
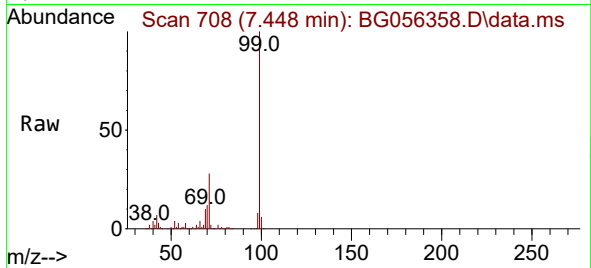




#7
Phenol-d6
Concen: 108.126 ng
RT: 7.448 min Scan# 70
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

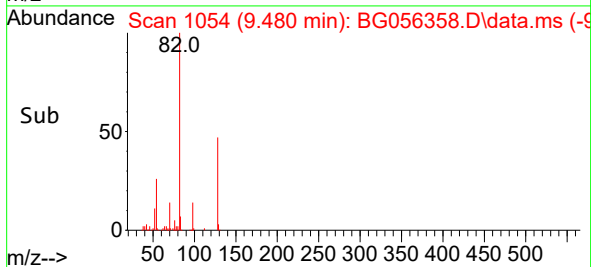
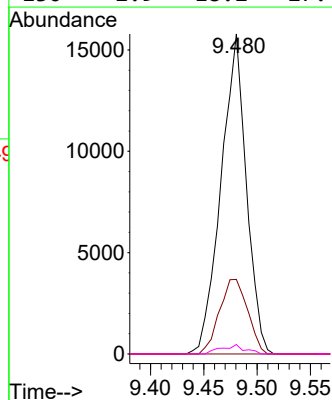
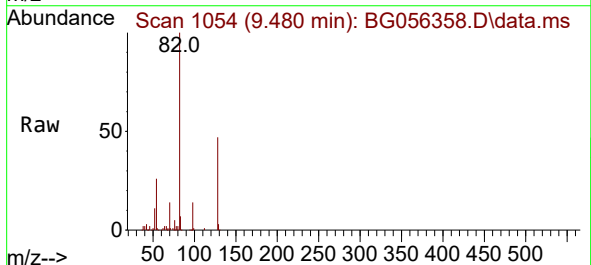
Instrument :
BNA_G
ClientSampleId :
RB21127

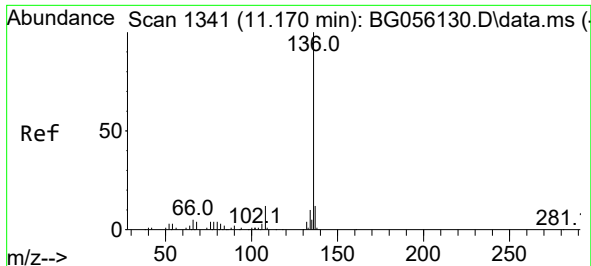
Tgt Ion: 99 Resp: 392330
Ion Ratio Lower Upper
99 100
42 7.3 5.9 8.9
71 28.1 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.796 ng
RT: 9.480 min Scan# 1054
Delta R.T. 0.370 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Tgt Ion: 70 Resp: 26027
Ion Ratio Lower Upper
70 100
42 23.3 18.2 27.2
101 0.0 8.3 12.5#
130 2.9 18.2 27.4#

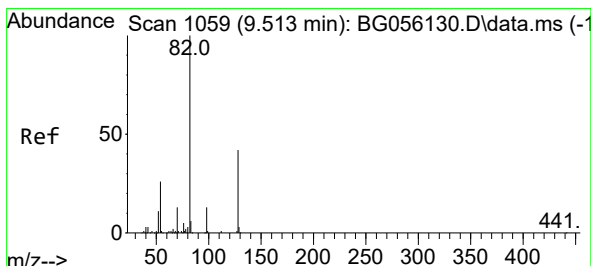
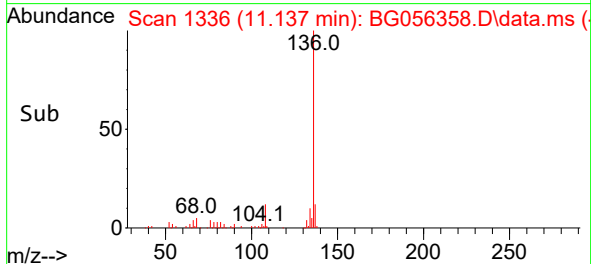
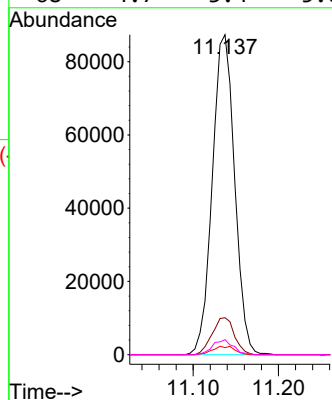
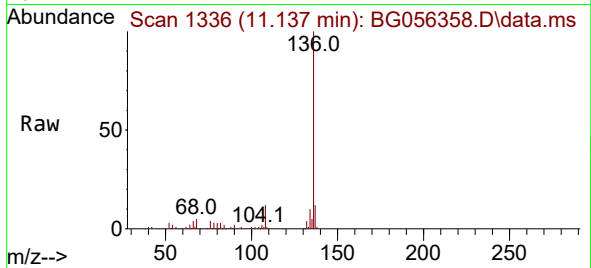




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

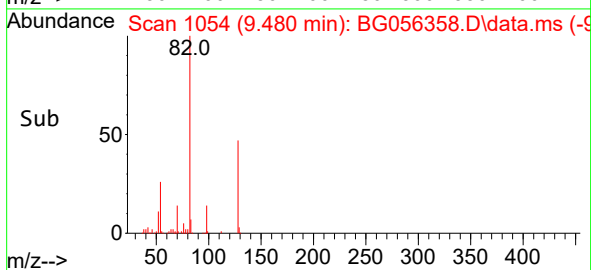
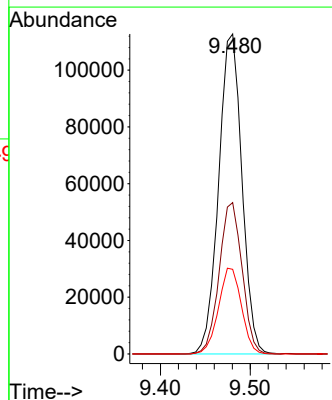
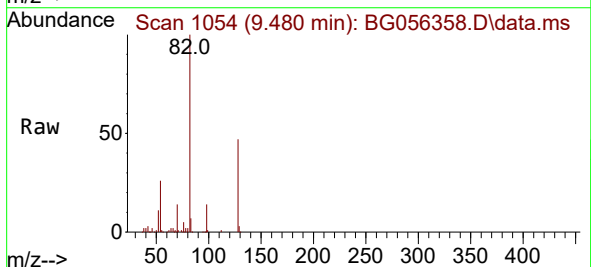
Instrument :
BNA_G
ClientSampleId :
RB21127

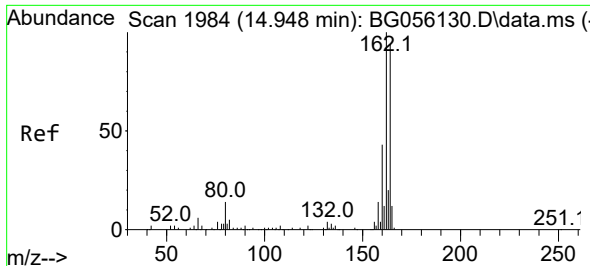
Tgt Ion:136 Resp: 158842
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.2 2.2 3.2
68 4.7 3.4 5.0



#23
Nitrobenzene-d5
Concen: 65.359 ng
RT: 9.480 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Tgt Ion: 82 Resp: 202961
Ion Ratio Lower Upper
82 100
128 47.3 33.4 50.2
54 26.5 20.3 30.5

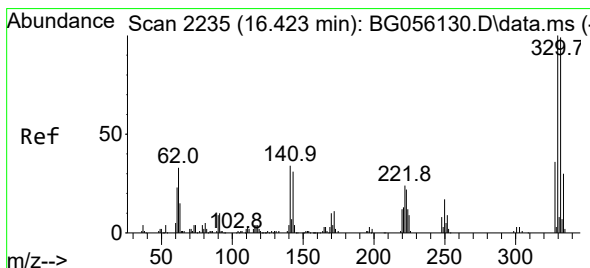
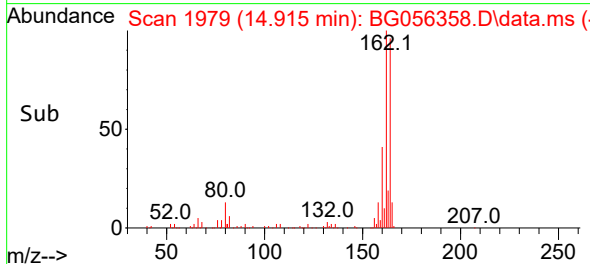
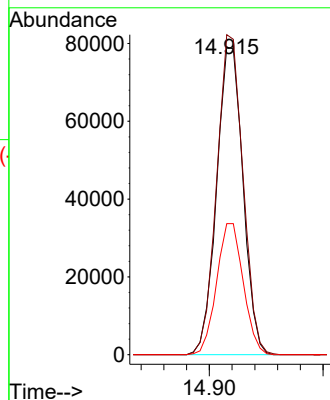
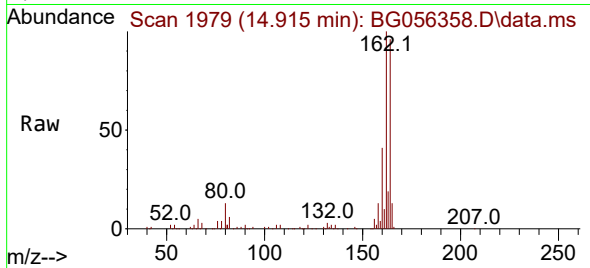




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.915 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

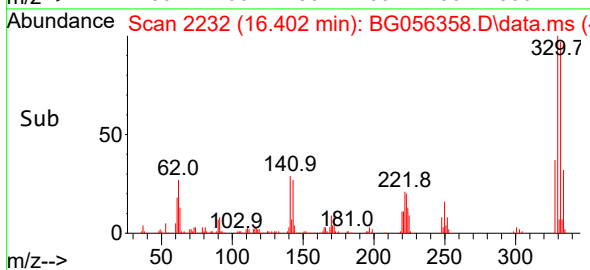
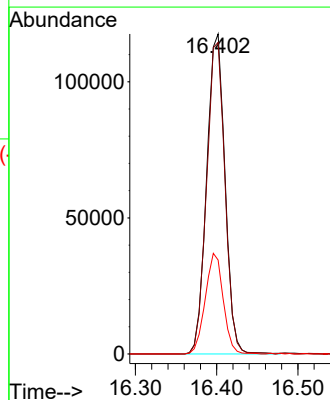
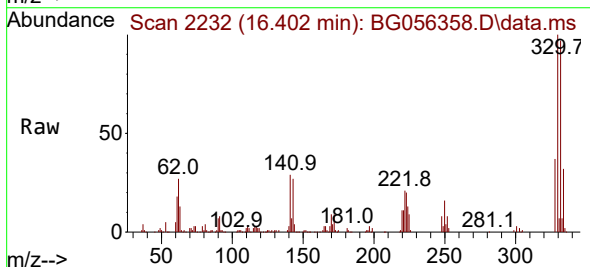
Instrument :
BNA_G
ClientSampleId :
RB21127

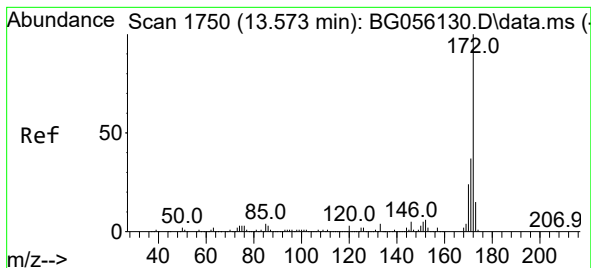
Tgt Ion:164 Resp: 127229
Ion Ratio Lower Upper
164 100
162 104.0 84.7 127.1
160 42.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 114.112 ng
RT: 16.402 min Scan# 2232
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

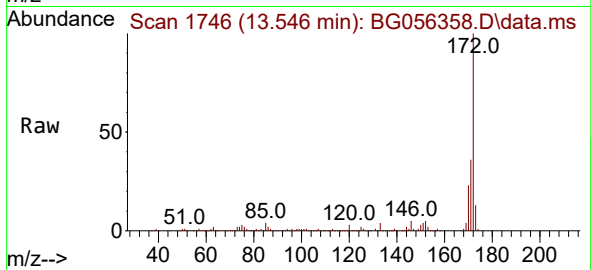
Tgt Ion:330 Resp: 183873
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 30.8 27.9 41.9



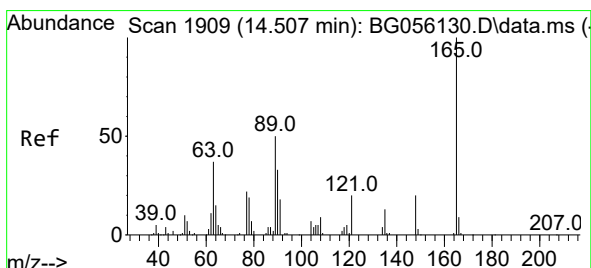
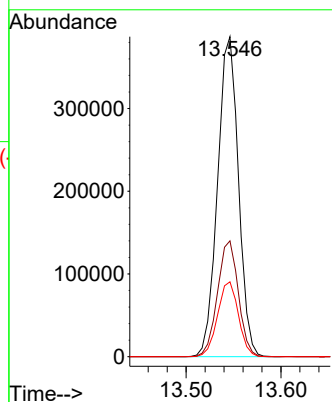
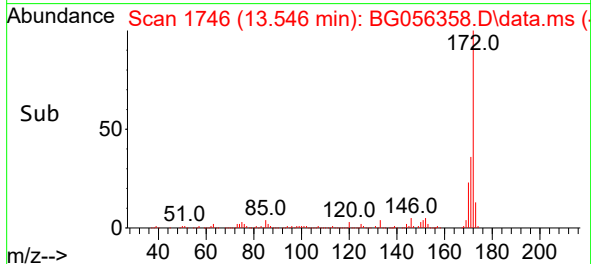


#45
2-Fluorobiphenyl
Concen: 64.216 ng
RT: 13.546 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

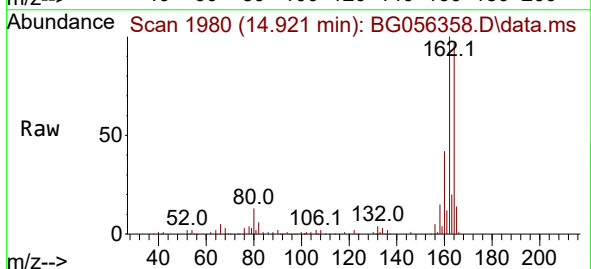
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BNA_G
ClientSampleId :
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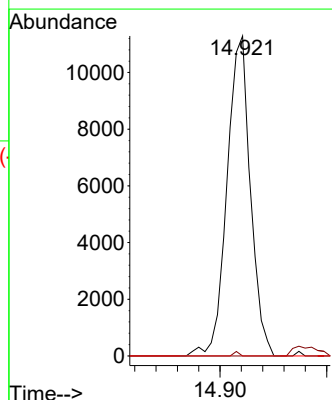
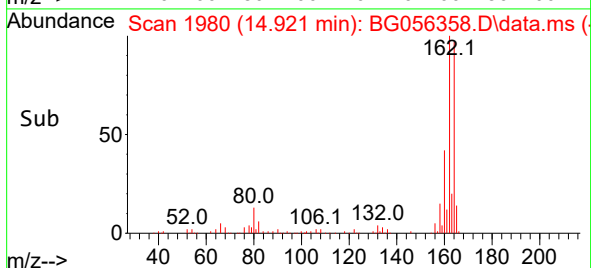
Tgt Ion:172 Resp: 591654
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.4 19.4 29.2

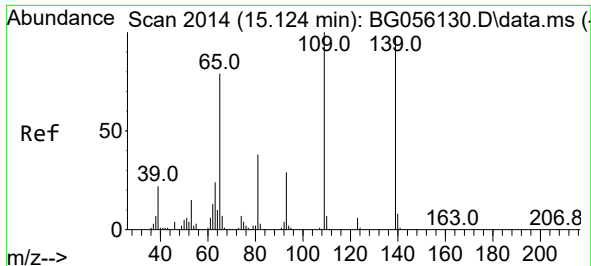


#51
2,6-Dinitrotoluene
Concen: 7.854 ng
RT: 14.921 min Scan# 1980
Delta R.T. 0.434 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



Tgt Ion:165 Resp: 17189
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#

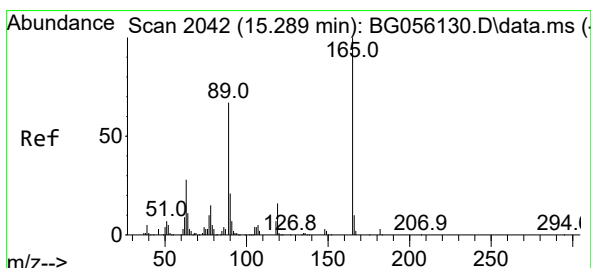
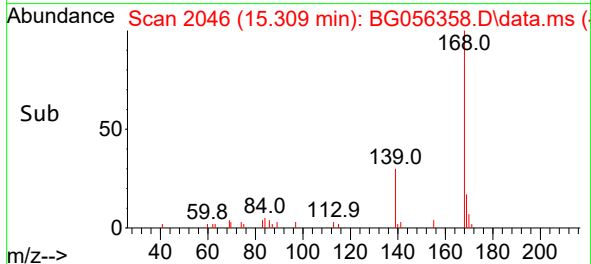
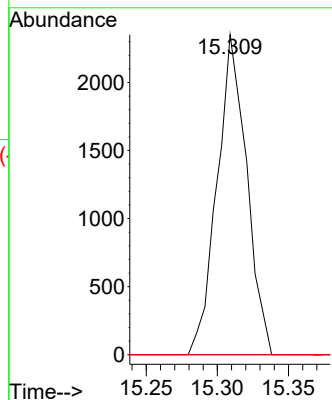
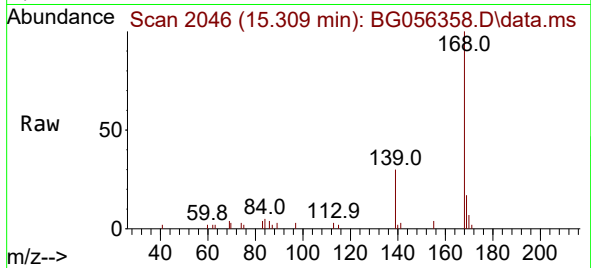




#56
4-Nitrophenol
Concen: 2.126 ng
RT: 15.309 min Scan# 2014
Delta R.T. 0.193 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

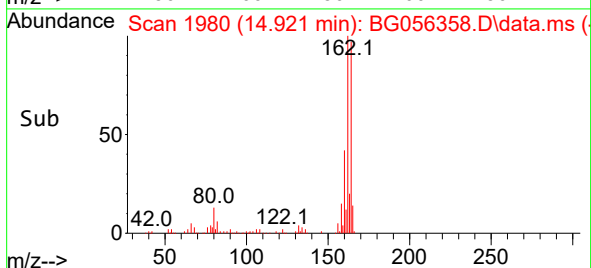
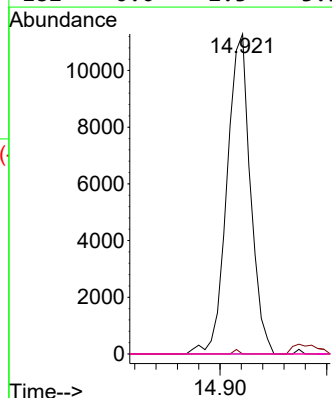
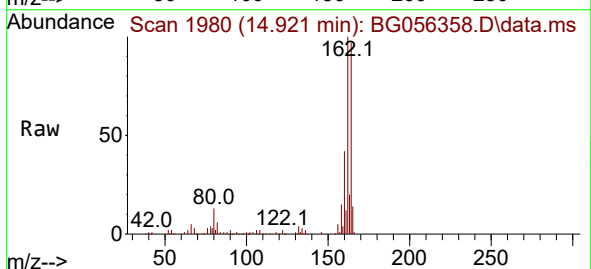
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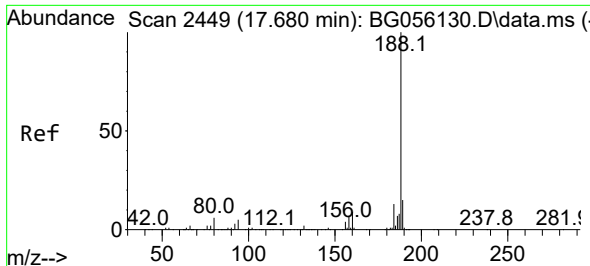
Tgt Ion:139 Resp: 3406
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 0.0 60.6 100.6#



#57
2,4-Dinitrotoluene
Concen: 5.616 ng
RT: 14.921 min Scan# 1980
Delta R.T. -0.353 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Tgt Ion:165 Resp: 17189
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#

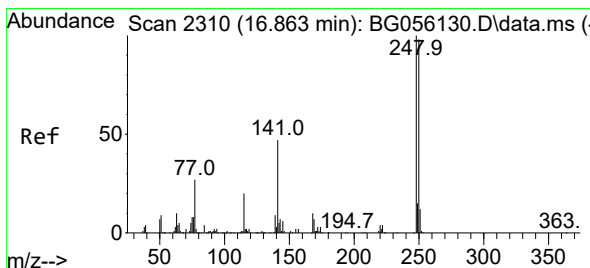
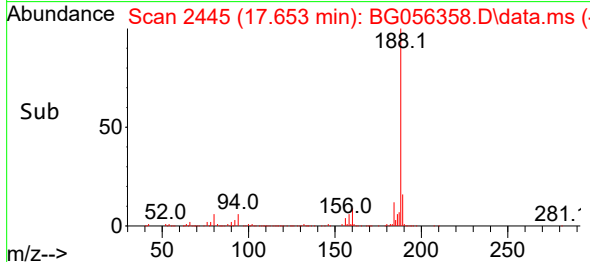
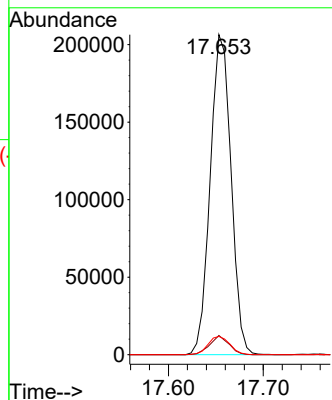
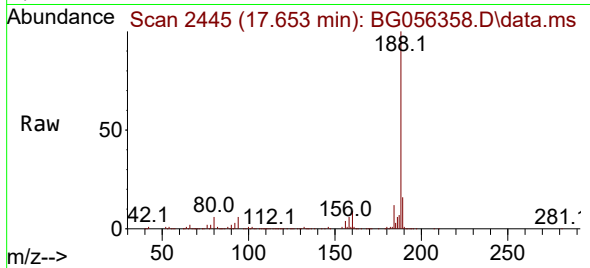




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.653 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

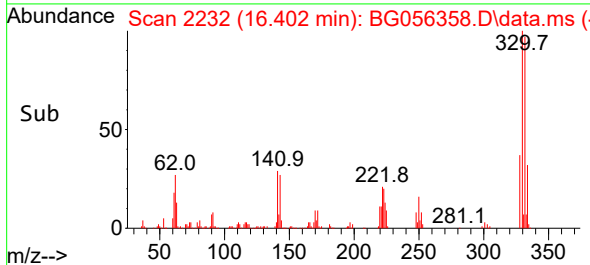
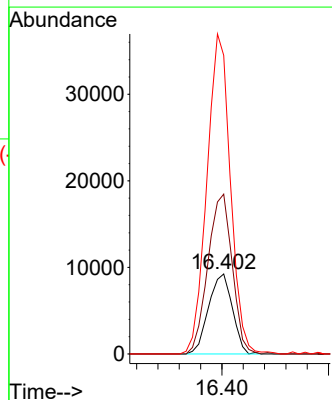
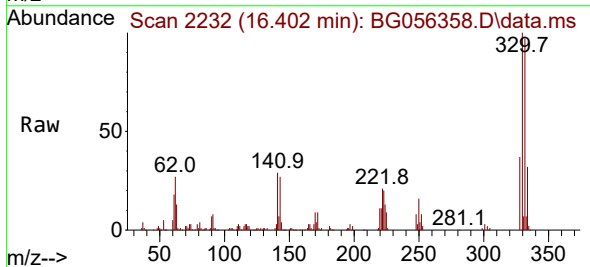
Instrument :
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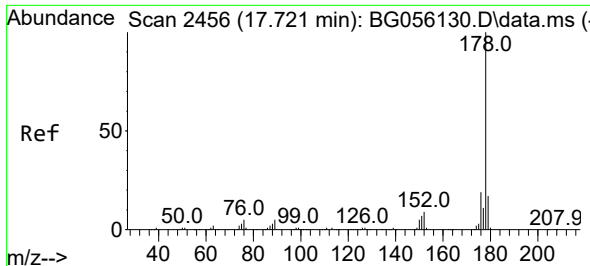
Tgt Ion:188 Resp: 315276
Ion Ratio Lower Upper
188 100
94 6.0 4.2 6.2
80 5.7 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.582 ng
RT: 16.402 min Scan# 2232
Delta R.T. -0.435 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Tgt Ion:248 Resp: 14380
Ion Ratio Lower Upper
248 100
250 256.9 78.2 117.4#
141 373.0 37.6 56.4#

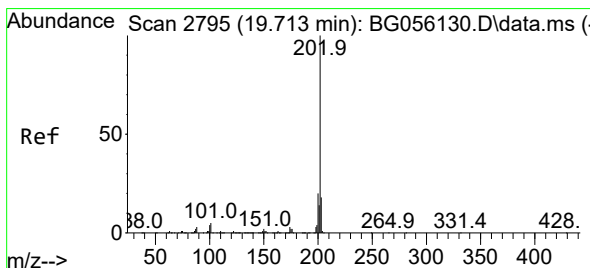
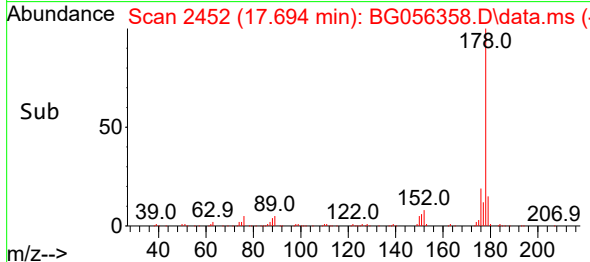
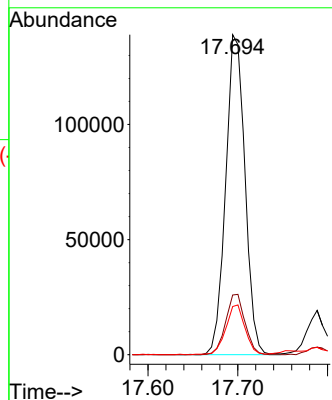
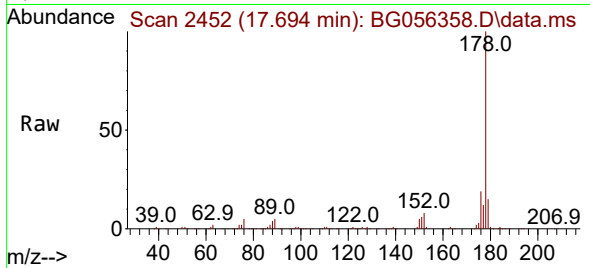




#71
Phenanthrene
Concen: 12.707 ng
RT: 17.694 min Scan# 2456
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

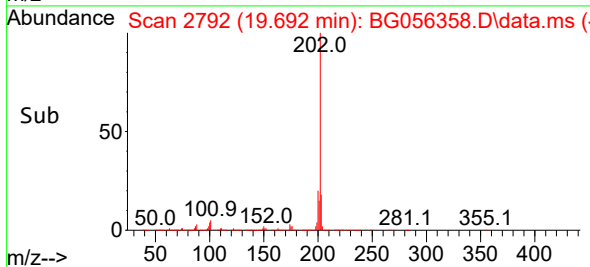
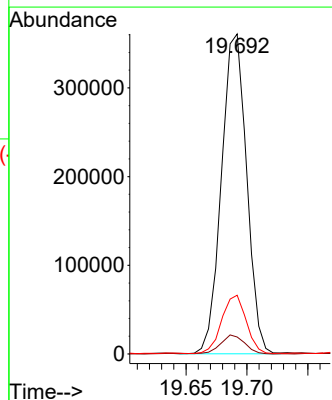
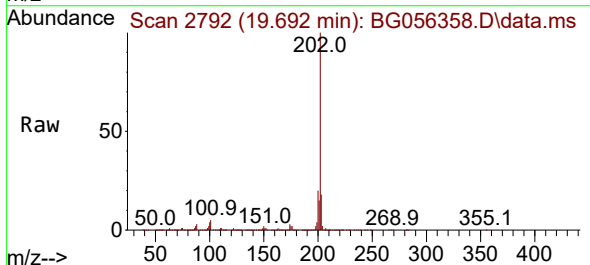
Instrument :
BNA_G
ClientSampleId :
RB21127

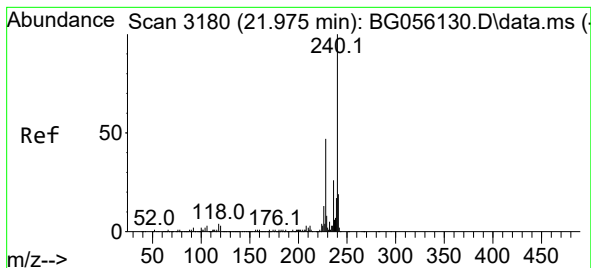
Tgt Ion:178 Resp: 207609
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.0 13.6 20.4



#75
Fluoranthene
Concen: 24.364 ng
RT: 19.692 min Scan# 2792
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Tgt Ion:202 Resp: 519246
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.0
203 18.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.948 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

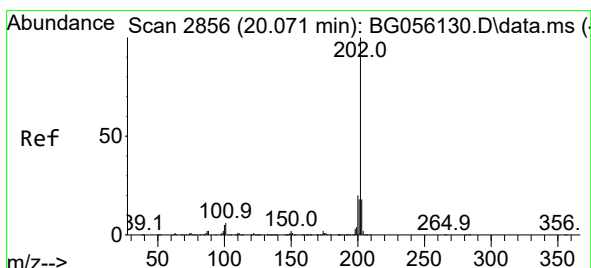
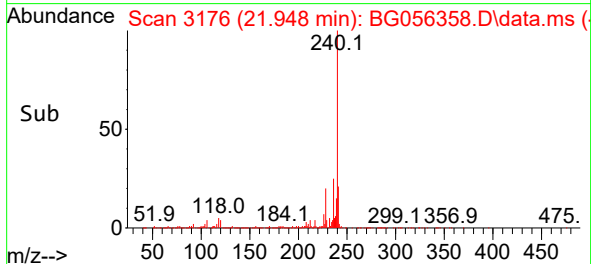
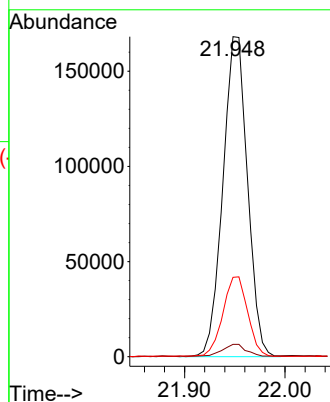
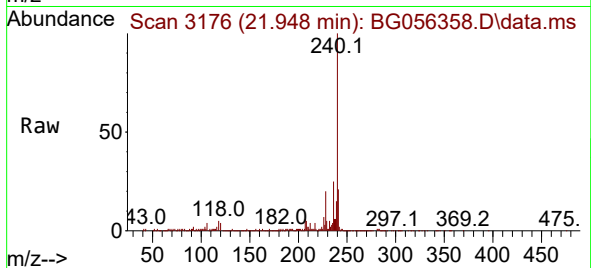
Tgt Ion:240 Resp: 286275

Ion Ratio Lower Upper

240 100

120 3.8 2.6 4.0

236 24.8 20.8 31.2



#78

Pyrene

Concen: 21.049 ng

RT: 20.050 min Scan# 2853

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

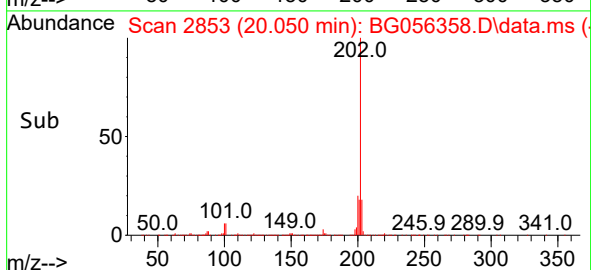
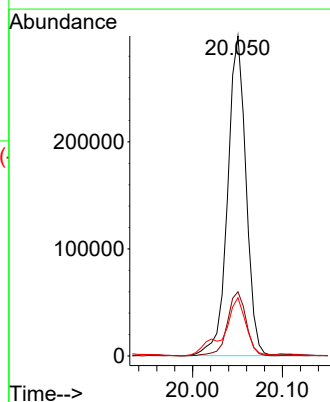
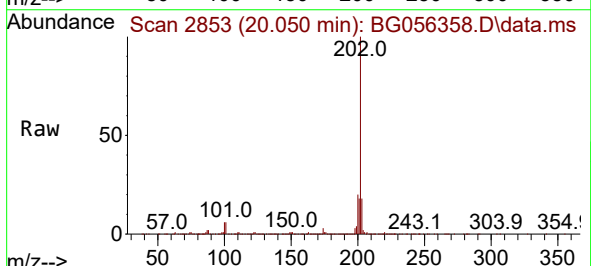
Tgt Ion:202 Resp: 424730

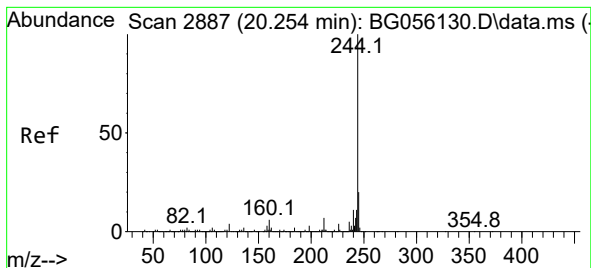
Ion Ratio Lower Upper

202 100

200 20.1 16.4 24.6

203 18.2 14.3 21.5





#79

Terphenyl-d14

Concen: 65.967 ng

RT: 20.233 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

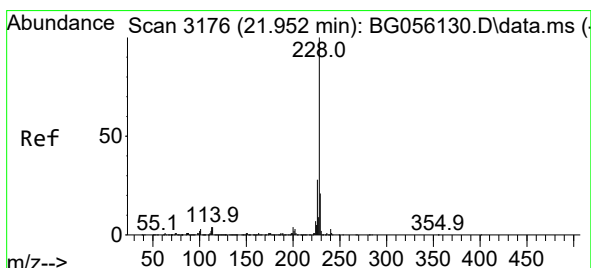
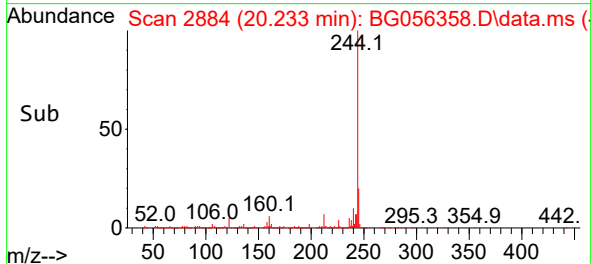
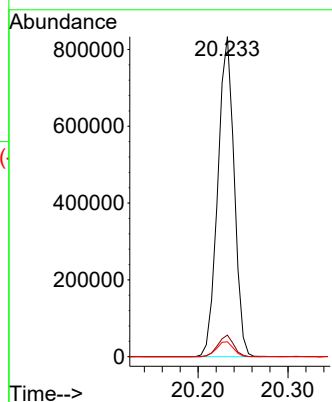
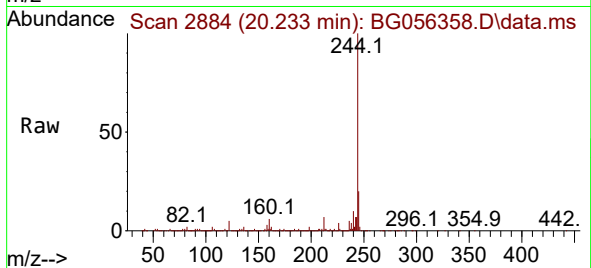
Tgt Ion:244 Resp: 1054390

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 4.7 3.5 5.3



#81

Benzo(a)anthracene

Concen: 10.966 ng

RT: 21.931 min Scan# 3173

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

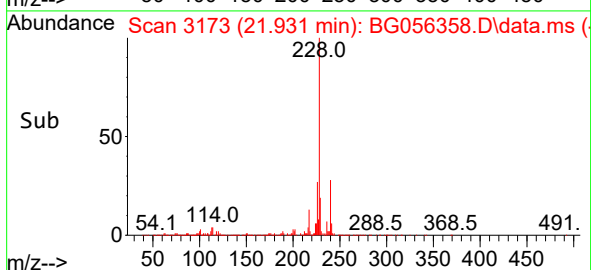
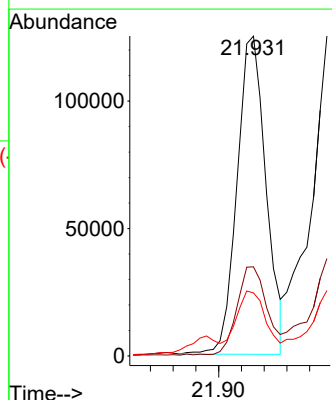
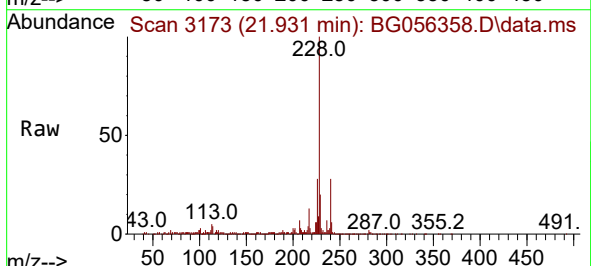
Tgt Ion:228 Resp: 220503

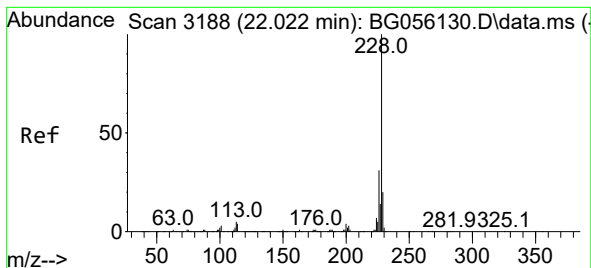
Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

229 19.7 16.9 25.3





#83

Chrysene

Concen: 13.402 ng

RT: 22.001 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

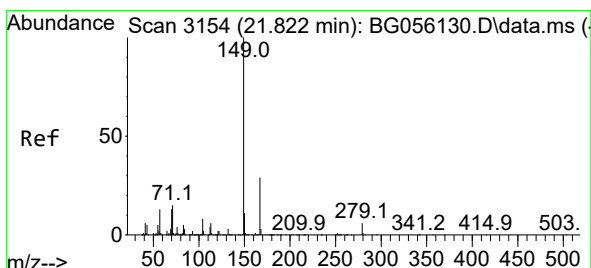
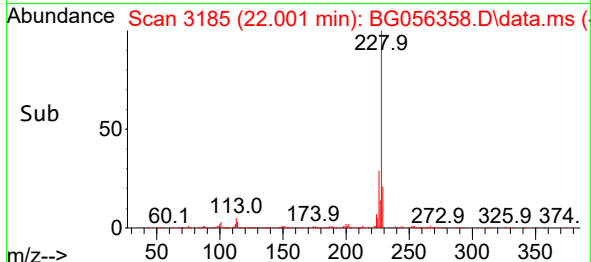
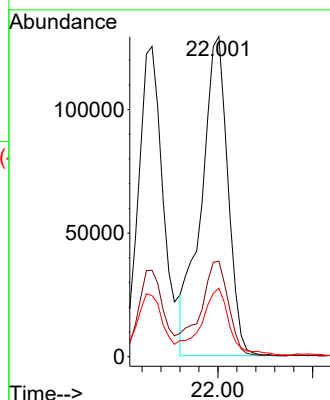
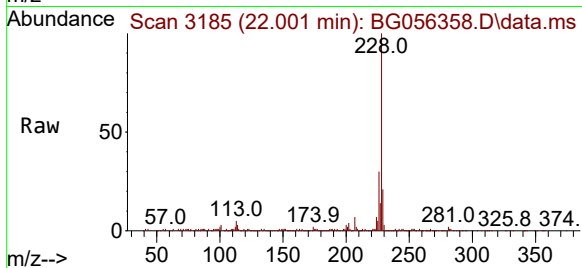
Tgt Ion:228 Resp: 252426

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

229 21.4 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.459 ng

RT: 21.790 min Scan# 3149

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

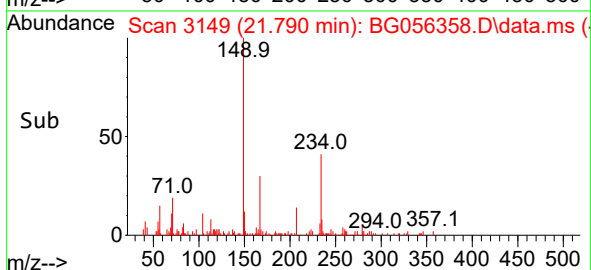
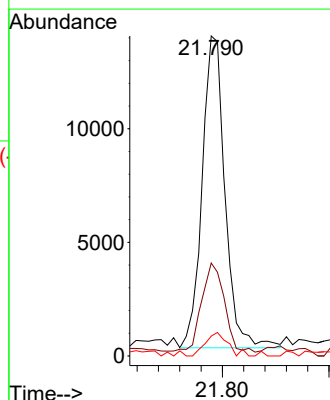
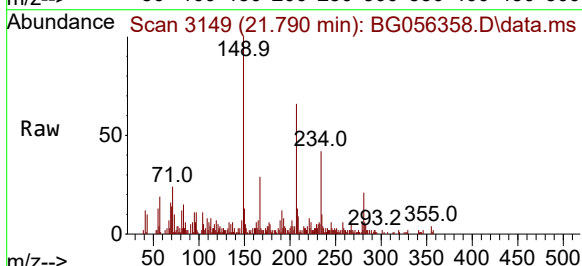
Tgt Ion:149 Resp: 20506

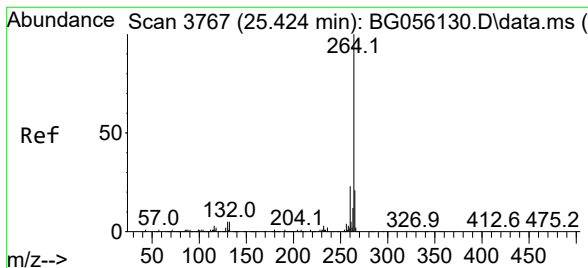
Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.2

279 6.2 4.7 7.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.397 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

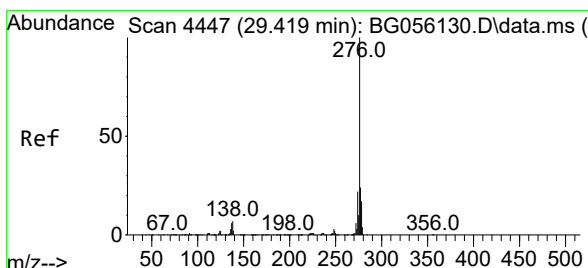
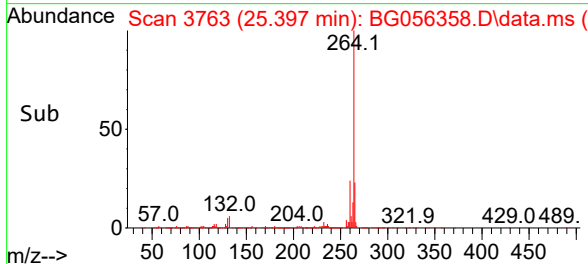
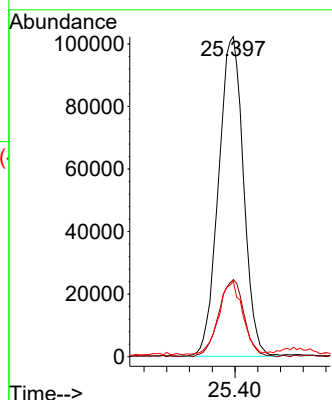
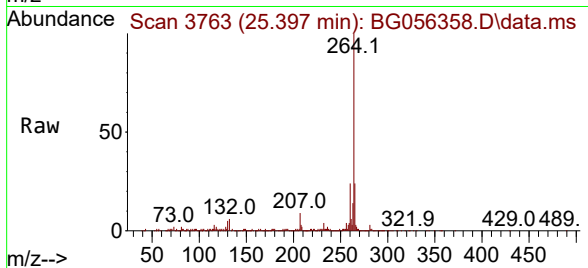
Tgt Ion:264 Resp: 310802

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 23.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.124 ng

RT: 29.351 min Scan# 4436

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

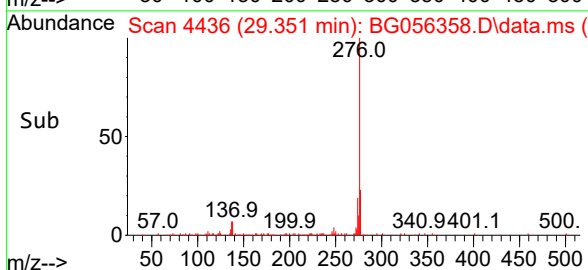
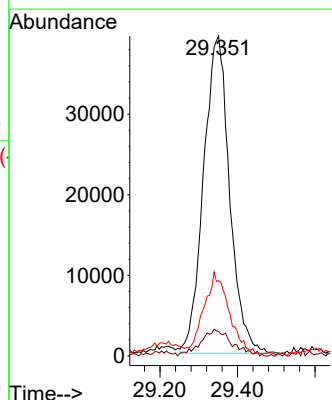
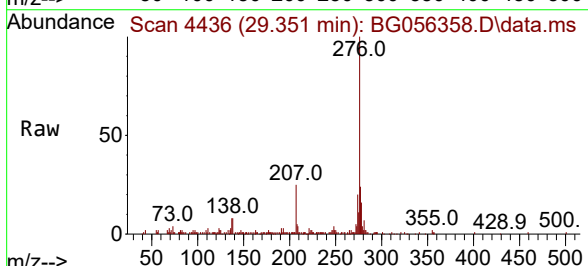
Tgt Ion:276 Resp: 183634

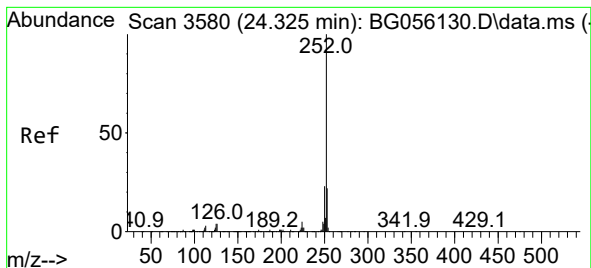
Ion Ratio Lower Upper

276 100

138 9.8 5.0 7.4#

277 24.7 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 19.016 ng

RT: 24.292 min Scan# 3

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

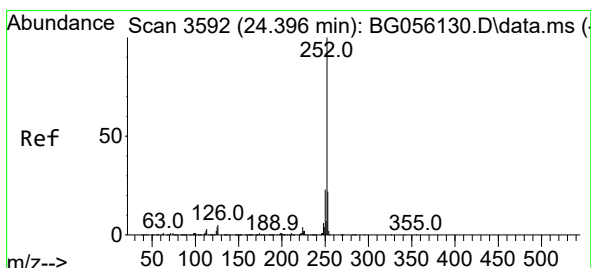
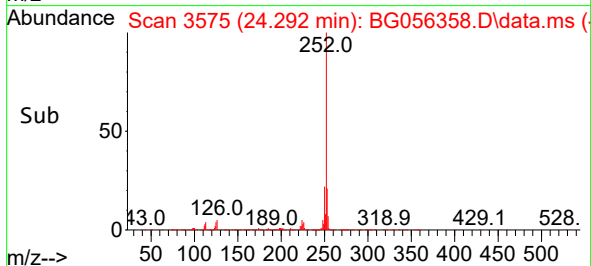
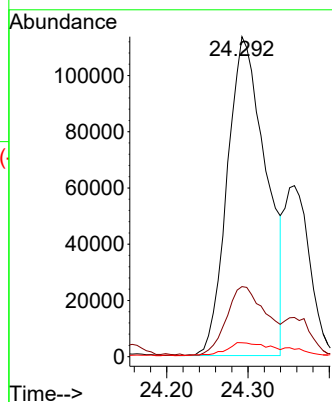
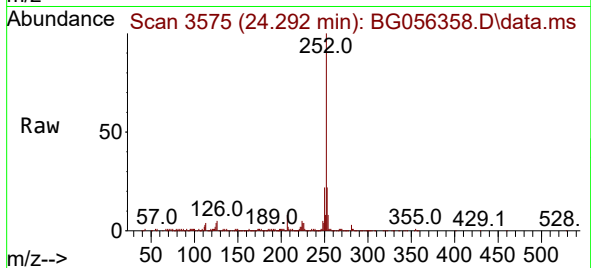
Tgt Ion:252 Resp: 375506

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 4.4 3.0 4.4



#89

Benzo(k)fluoranthene

Concen: 19.096 ng

RT: 24.292 min Scan# 3575

Delta R.T. -0.077 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

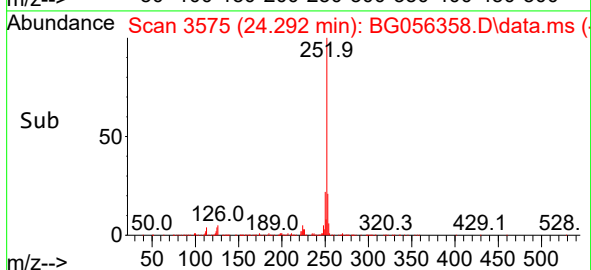
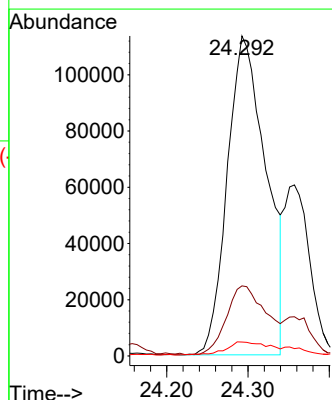
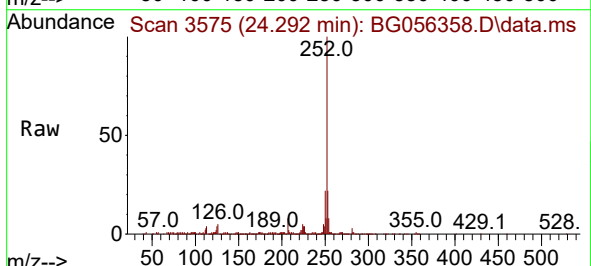
Tgt Ion:252 Resp: 375506

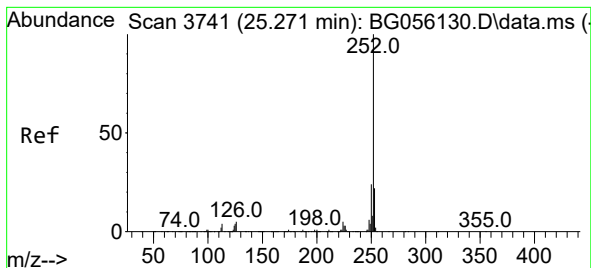
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 4.4 3.4 5.0





#90

Benzo(a)pyrene

Concen: 12.289 ng

RT: 25.227 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

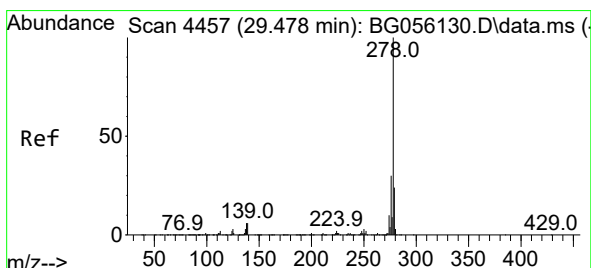
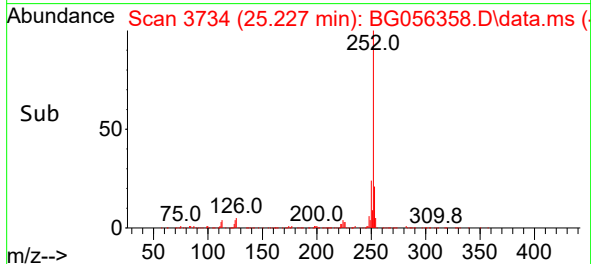
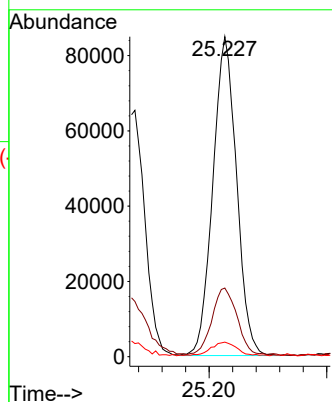
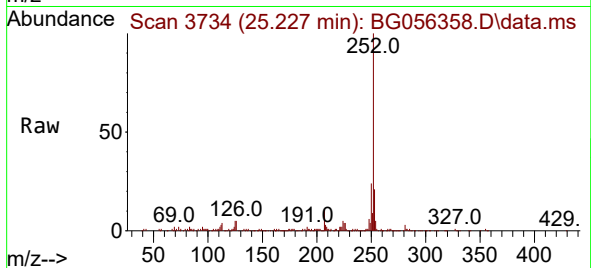
Tgt Ion:252 Resp: 236696

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 4.6 3.2 4.8



#91

Dibenzo(a,h)anthracene

Concen: 2.564 ng

RT: 29.387 min Scan# 4442

Delta R.T. -0.024 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

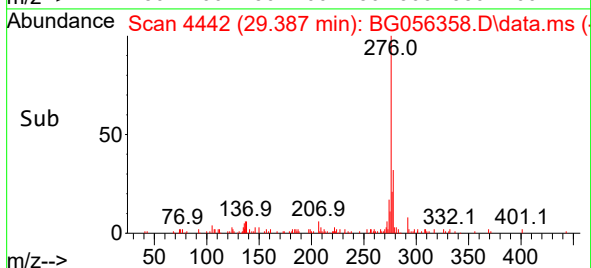
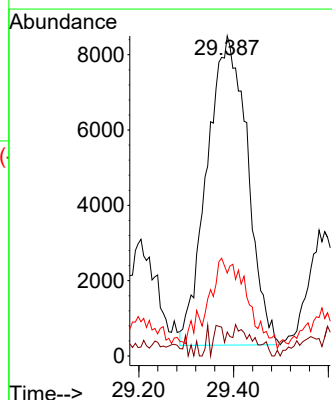
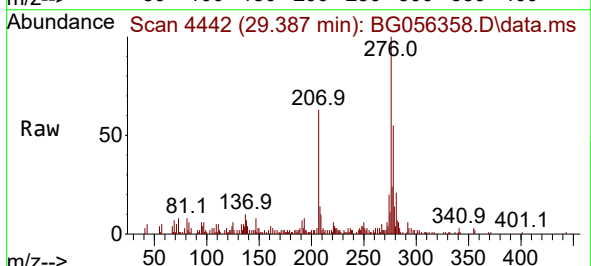
Tgt Ion:278 Resp: 48597

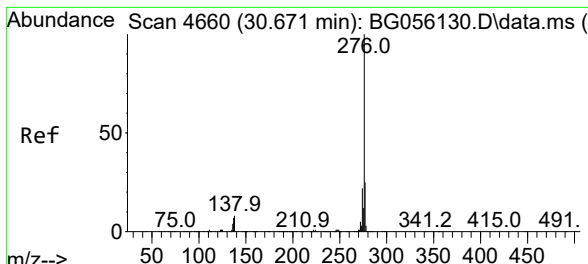
Ion Ratio Lower Upper

278 100

139 7.5 4.8 7.2#

279 25.9 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 9.536 ng
 RT: 30.591 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BG056358.D
 Acq: 19 Jan 2023 22:33

Instrument :
 BNA_G
 ClientSampleId :
 RB21127

Tgt Ion:276 Resp: 175247

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.7	29.5
138	8.6	6.7	10.1

