

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053675.D
 Acq On : 23 May 2022 22:07
 Operator : CG/JU
 Sample : N2982-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5

Quant Time: May 24 05:10:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

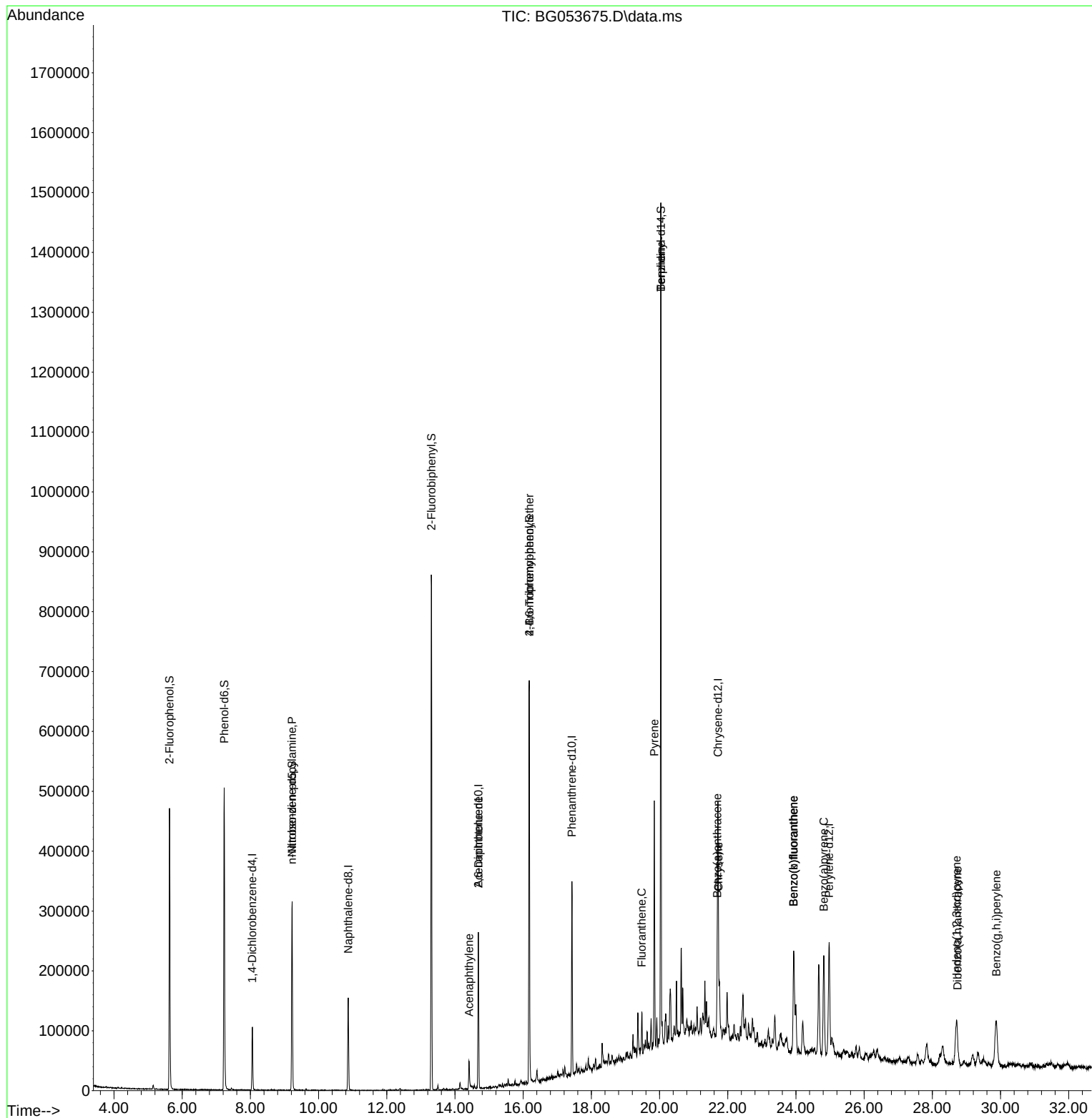
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	30120	20.000	ng	0.00
21) Naphthalene-d8	10.868	136	125211	20.000	ng	0.00
39) Acenaphthene-d10	14.687	164	94635	20.000	ng	0.00
64) Phenanthrene-d10	17.430	188	203210	20.000	ng	0.00
76) Chrysene-d12	21.713	240	204541	20.000	ng	0.00
86) Perylene-d12	24.973	264	210390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	193967	109.292	ng	0.00
7) Phenol-d6	7.232	99	290673	107.918	ng	0.00
23) Nitrobenzene-d5	9.224	82	201951	68.658	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	141541	101.408	ng	0.00
45) 2-Fluorobiphenyl	13.306	172	467640	72.209	ng	0.00
79) Terphenyl-d14	20.038	244	704446	64.144	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.218	70	29235	15.128	ng	# 78
49) Acenaphthylene	14.411	152	46178	5.726	ng	96
51) 2,6-Dinitrotoluene	14.687	165	12253	8.363	ng	# 19
67) 4-Bromophenyl-phenylether	16.179	248	9163	3.861	ng	# 1
75) Fluoranthene	19.480	202	42835	3.202	ng	98
77) Benzidine	20.038	184	12602	2.858	ng	95
78) Pyrene	19.845	202	267262	20.185	ng	99
81) Benzo(a)anthracene	21.689	228	73985	5.671	ng	# 88
83) Chrysene	21.730	228	103722	8.513	ng	# 79
87) Indeno(1,2,3-cd)pyrene	28.715	276	132943	9.073	ng	# 96
88) Benzo(b)fluoranthene	23.933	252	190103	15.265	ng	99
89) Benzo(k)fluoranthene	23.933	252	190103	15.535	ng	98
90) Benzo(a)pyrene	24.814	252	155576	14.678	ng	# 98
91) Dibenzo(a,h)anthracene	28.738	278	40489	3.353	ng	98
92) Benzo(g,h,i)perylene	29.878	276	159794	13.351	ng	97

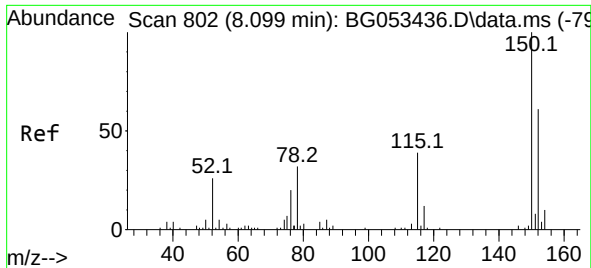
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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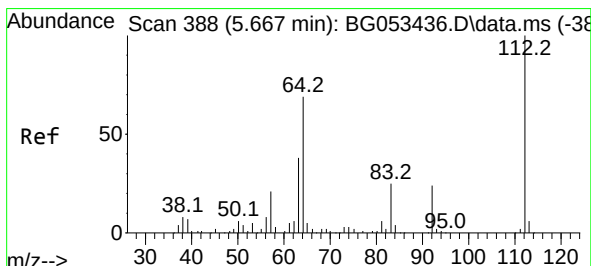
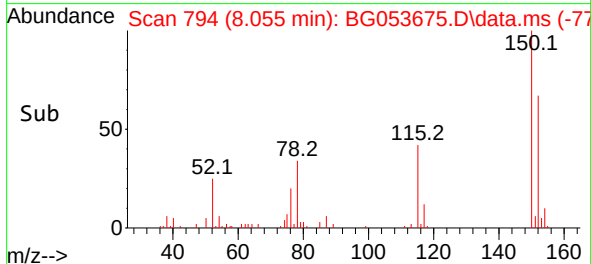
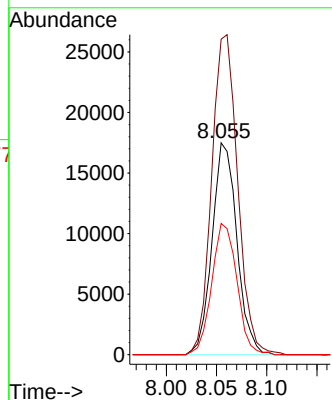
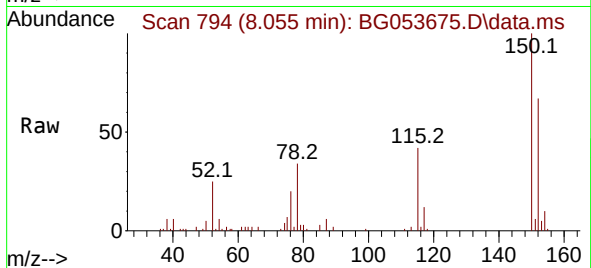




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.055 min Scan# 794
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

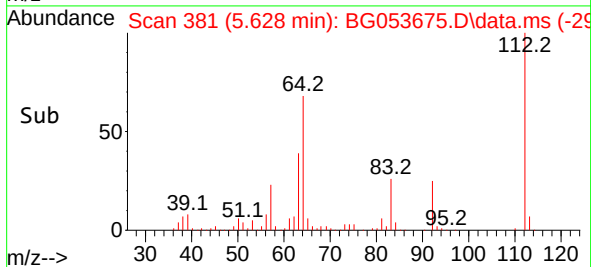
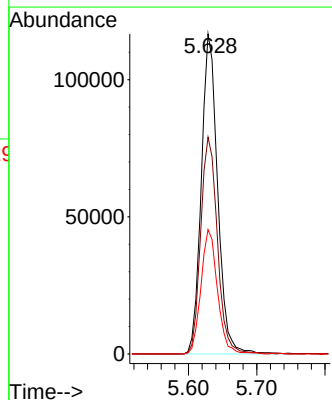
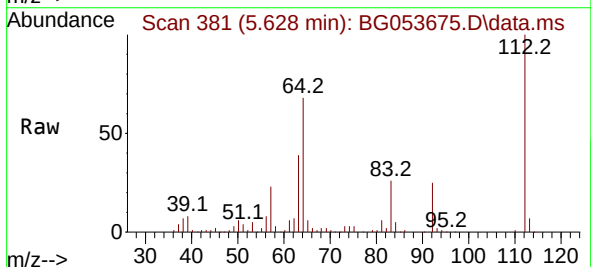
Instrument :
BNA_G
ClientSampleId :
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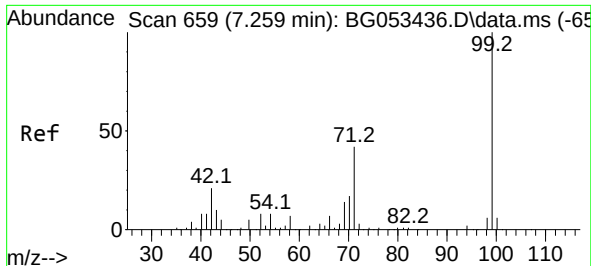
Tgt Ion:152 Resp: 30120
Ion Ratio Lower Upper
152 100
150 148.9 131.6 197.4
115 62.0 50.9 76.3



#5
2-Fluorophenol
Concen: 109.292 ng
RT: 5.628 min Scan# 381
Delta R.T. 0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:112 Resp: 193967
Ion Ratio Lower Upper
112 100
64 67.7 55.1 82.7
63 38.9 30.4 45.6

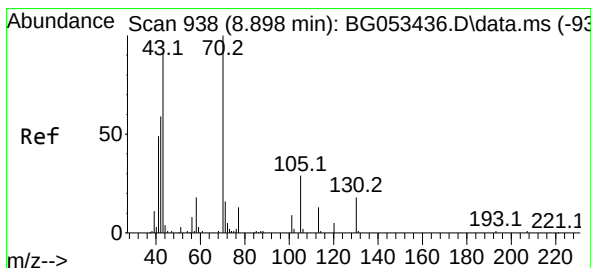
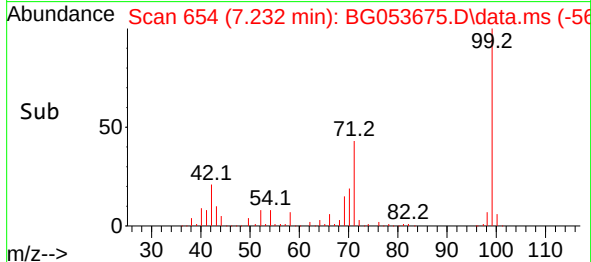
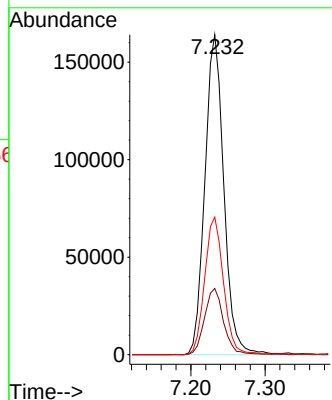
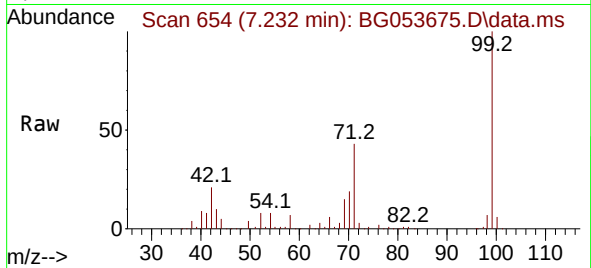




#7
Phenol-d6
Concen: 107.918 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

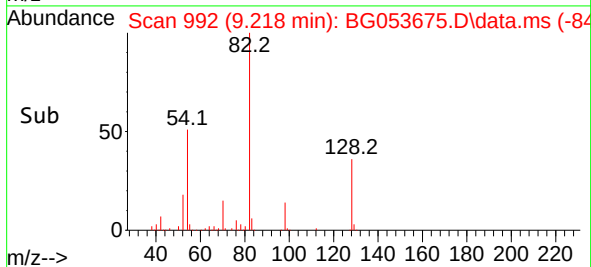
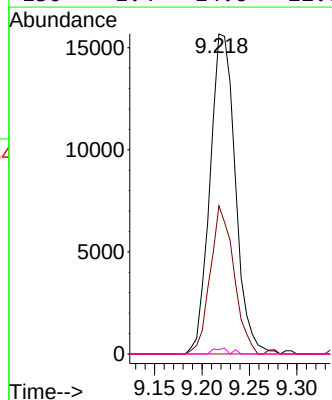
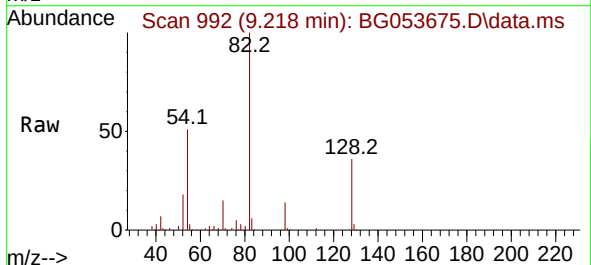
Instrument :
BNA_G
ClientSampleId :
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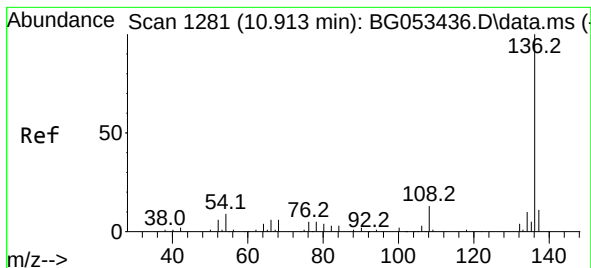
Tgt Ion: 99 Resp: 290673
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 43.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.128 ng
RT: 9.218 min Scan# 992
Delta R.T. 0.355 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion: 70 Resp: 29235
Ion Ratio Lower Upper
70 100
42 46.3 47.3 70.9#
101 0.0 7.0 10.4#
130 1.4 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.868 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:136 Resp: 125211

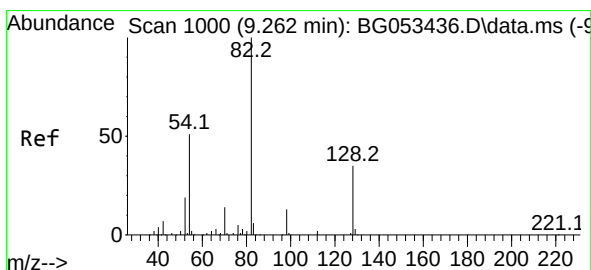
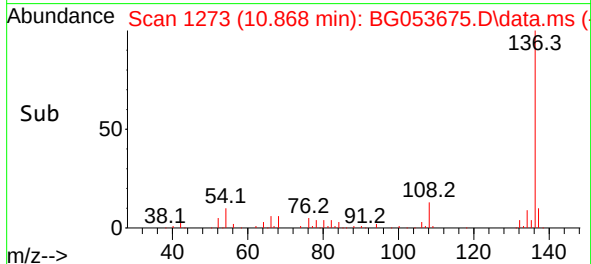
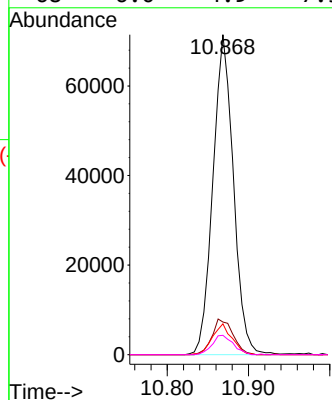
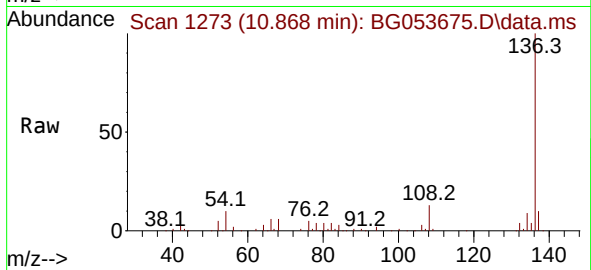
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 9.6 7.4 11.2

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 68.658 ng

RT: 9.224 min Scan# 993

Delta R.T. -0.003 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

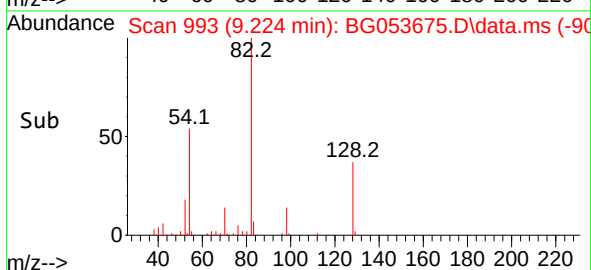
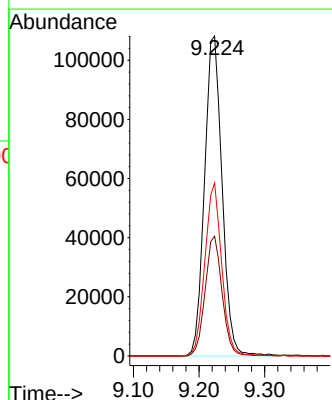
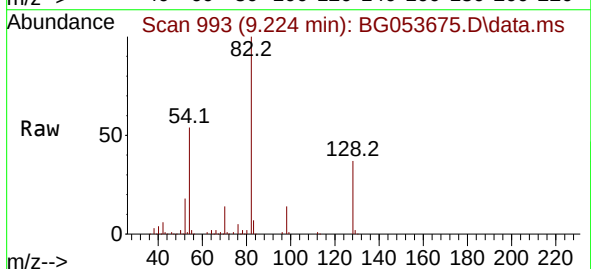
Tgt Ion: 82 Resp: 201951

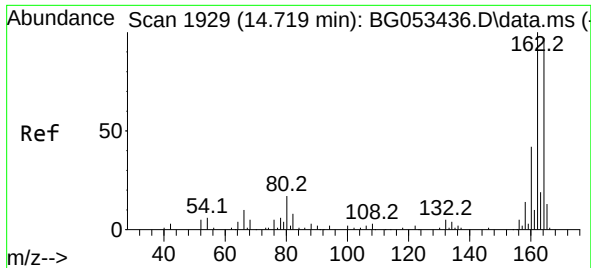
Ion Ratio Lower Upper

82 100

128 37.4 27.9 41.9

54 54.1 41.2 61.8

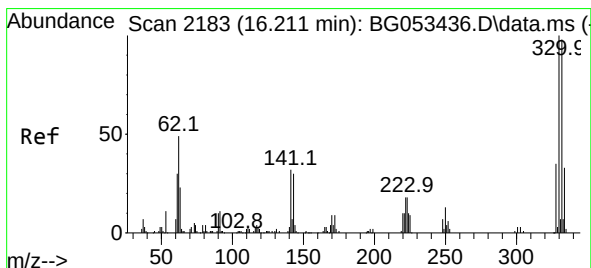
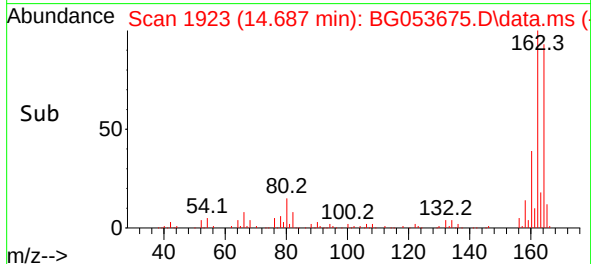
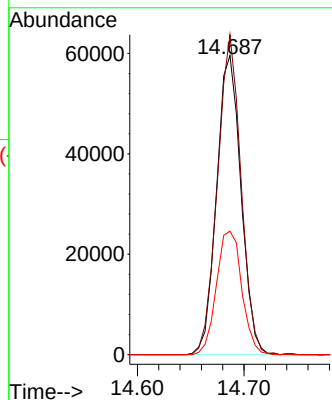
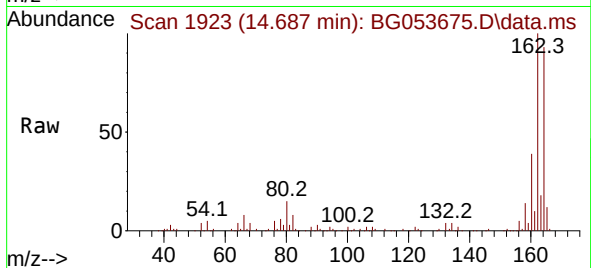




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.687 min Scan# 1923
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

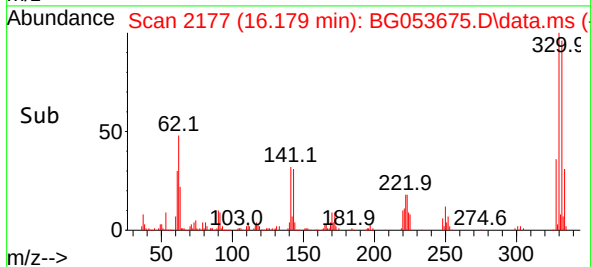
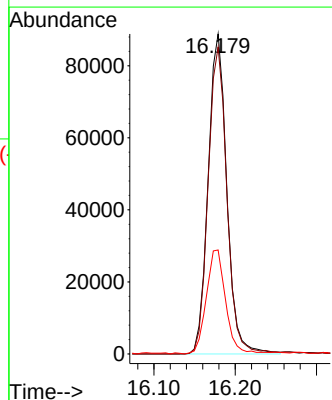
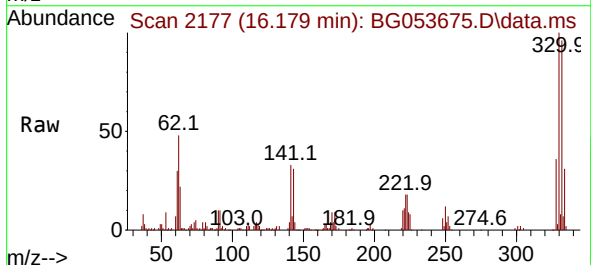
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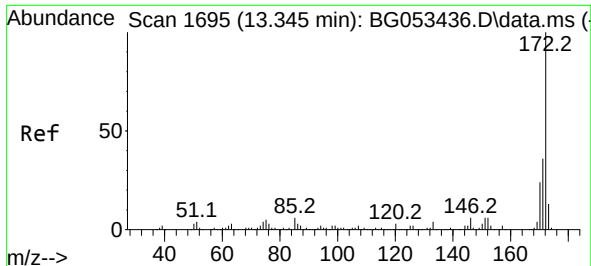
Tgt Ion:164 Resp: 94635
Ion Ratio Lower Upper
164 100
162 107.0 82.3 123.5
160 41.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 101.408 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:330 Resp: 141541
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 34.2 27.1 40.7

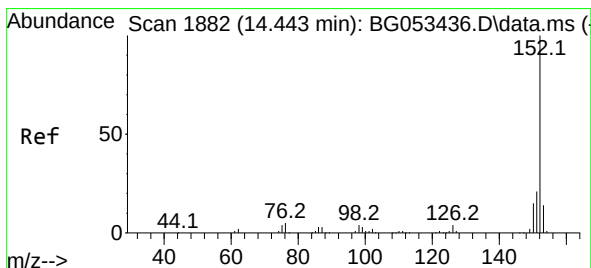
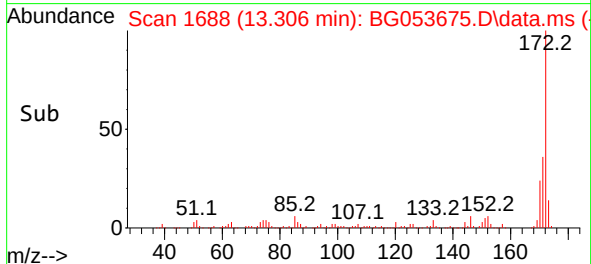
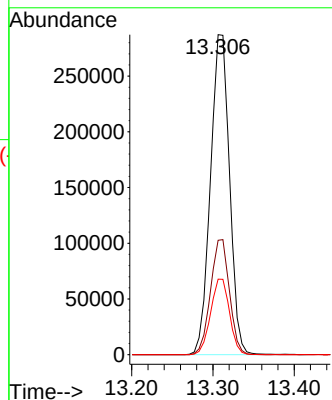
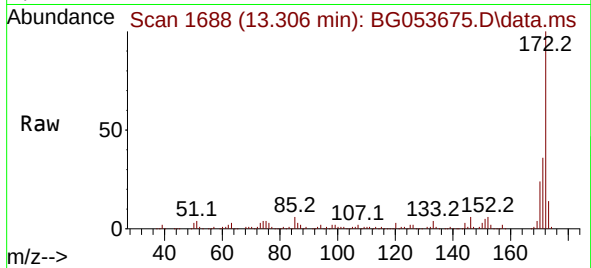




#45
2-Fluorobiphenyl
Concen: 72.209 ng
RT: 13.306 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

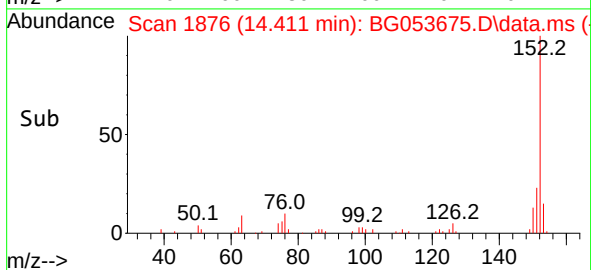
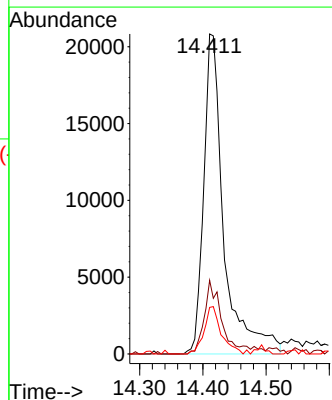
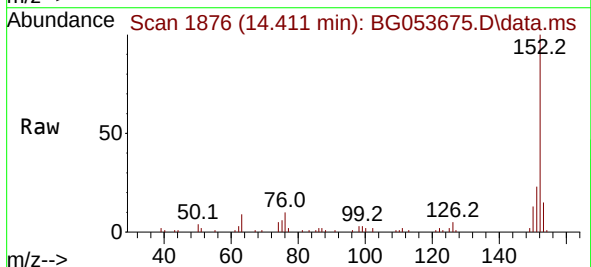
Instrument :
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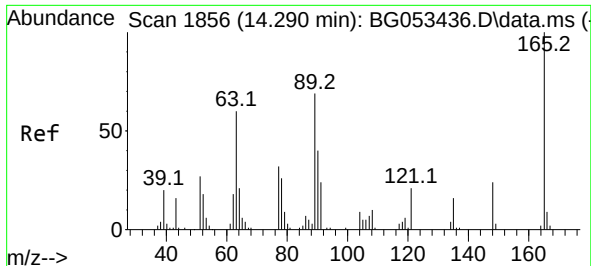
Tgt Ion:172 Resp: 467640
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.6 18.9 28.3



#49
Acenaphthylene
Concen: 5.726 ng
RT: 14.411 min Scan# 1876
Delta R.T. -0.003 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:152 Resp: 46178
Ion Ratio Lower Upper
152 100
151 23.0 16.4 24.6
153 14.6 10.8 16.2

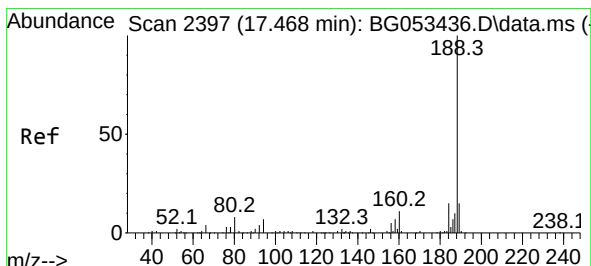
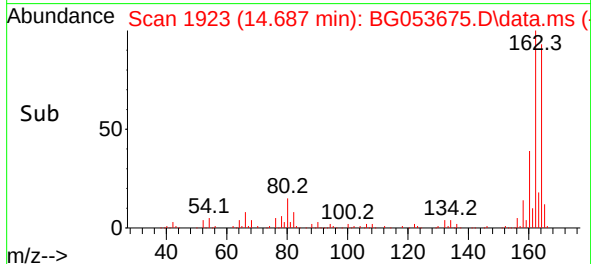
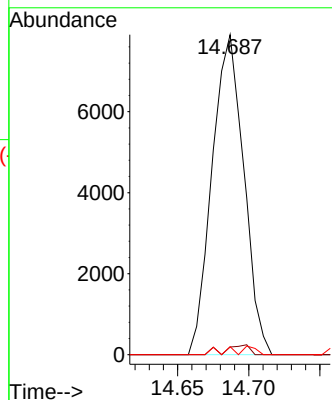
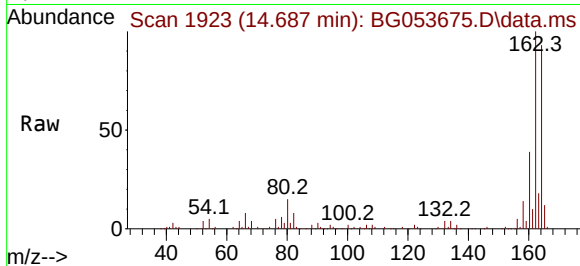




#51
2,6-Dinitrotoluene
Concen: 8.363 ng
RT: 14.687 min Scan# 1923
Delta R.T. 0.426 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

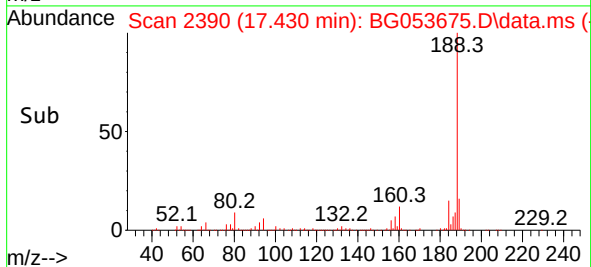
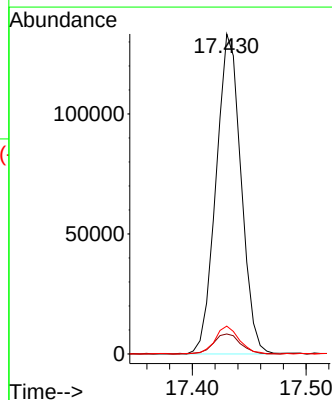
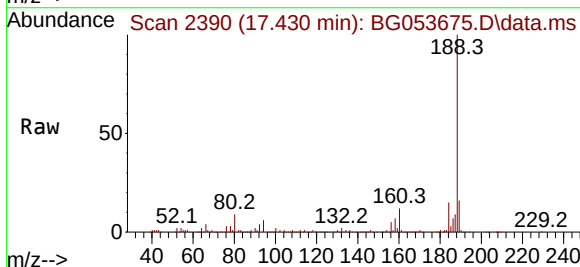
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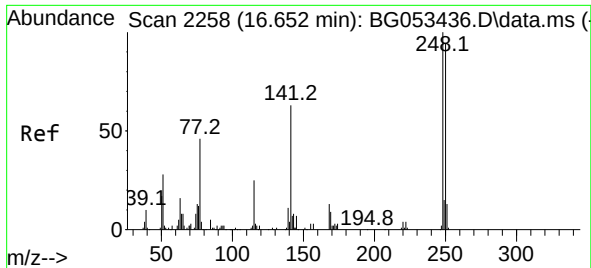
Tgt Ion:165 Resp: 12253
Ion Ratio Lower Upper
165 100
63 2.4 54.1 81.1#
89 2.5 54.8 82.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.430 min Scan# 2390
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:188 Resp: 203210
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 8.7 6.8 10.2

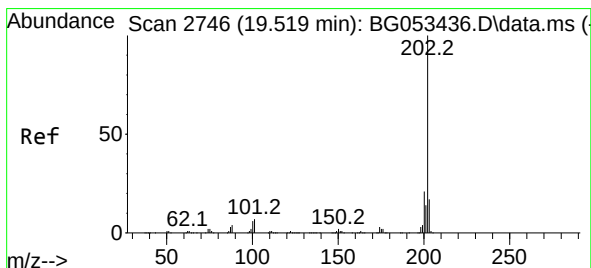
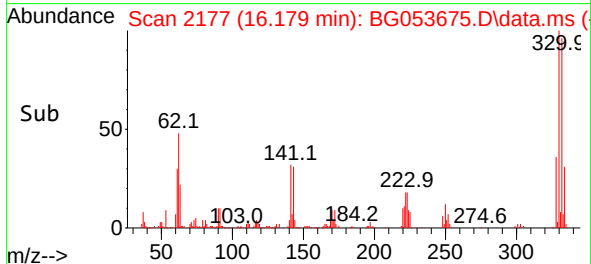
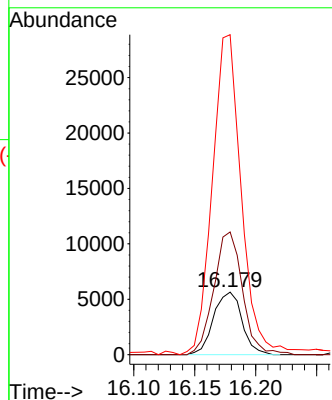
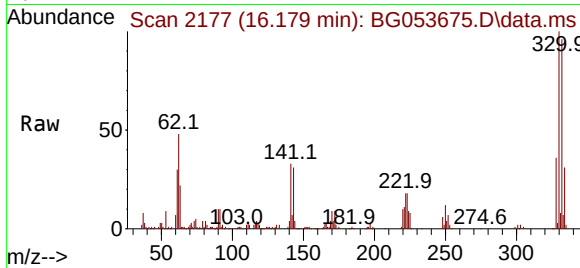




#67
4-Bromophenyl-phenylether
Concen: 3.861 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.438 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

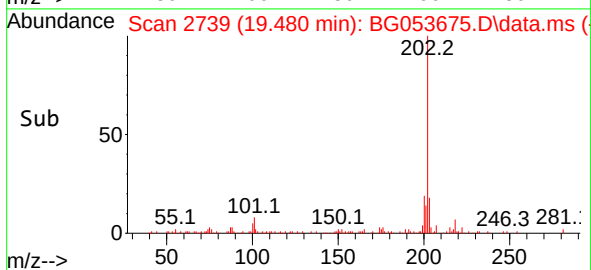
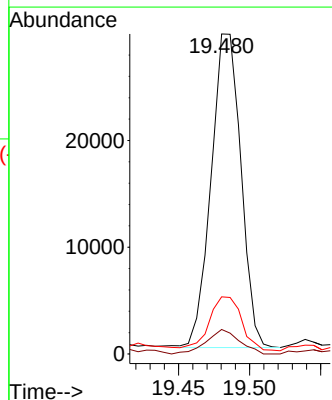
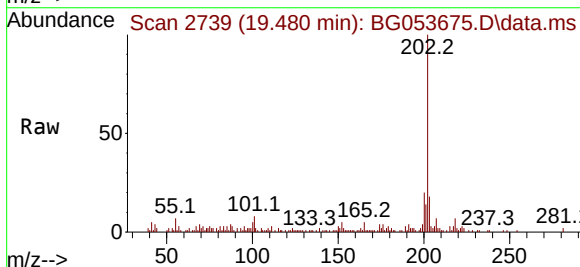
Instrument :
BNA_G
ClientSampleId :
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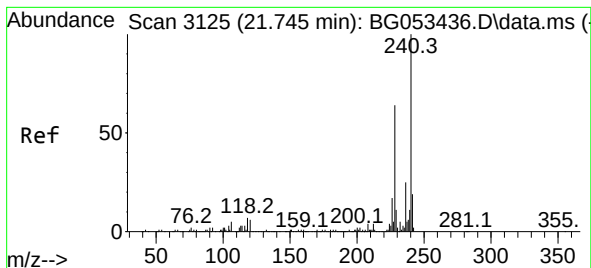
Tgt Ion:248 Resp: 9163
Ion Ratio Lower Upper
248 100
250 196.4 75.2 112.8#
141 511.8 50.0 75.0#



#75
Fluoranthene
Concen: 3.202 ng
RT: 19.480 min Scan# 2739
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:202 Resp: 42835
Ion Ratio Lower Upper
202 100
101 7.7 0.0 26.9
203 17.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.713 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

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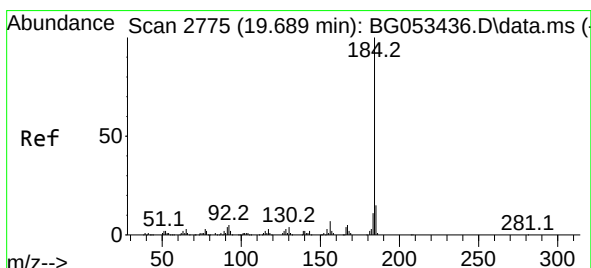
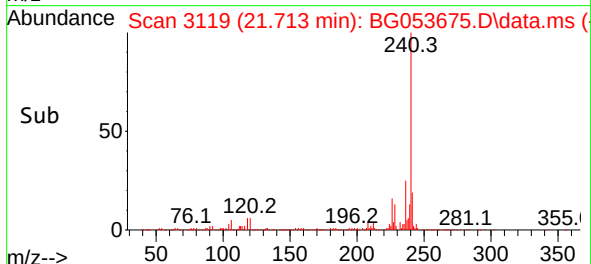
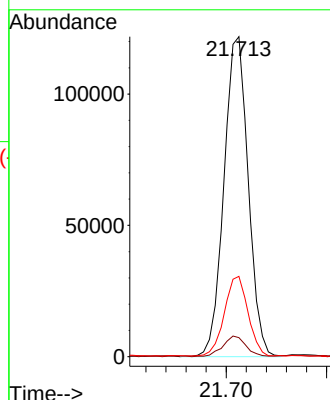
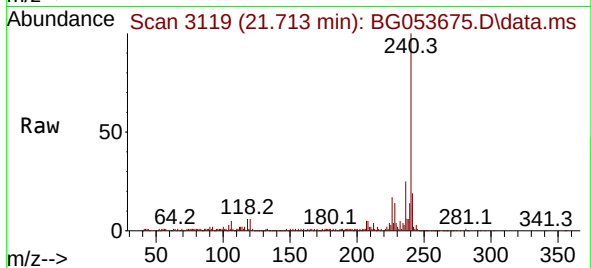
Tgt Ion:240 Resp: 204541

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

236 25.1 20.2 30.4



#77

Benzidine

Concen: 2.858 ng

RT: 20.038 min Scan# 2834

Delta R.T. 0.379 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

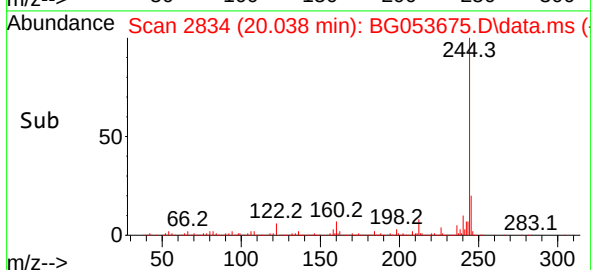
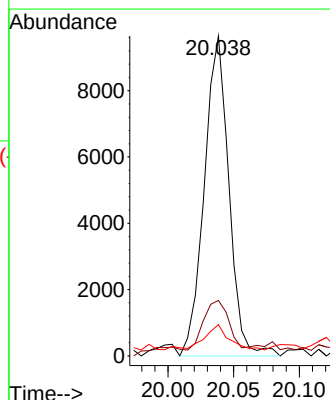
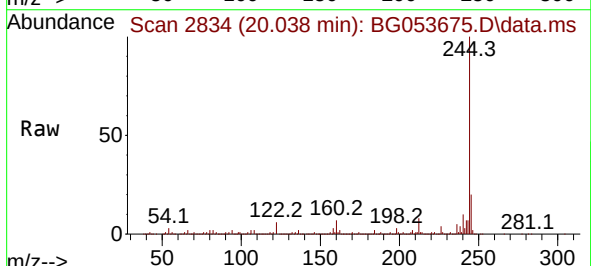
Tgt Ion:184 Resp: 12602

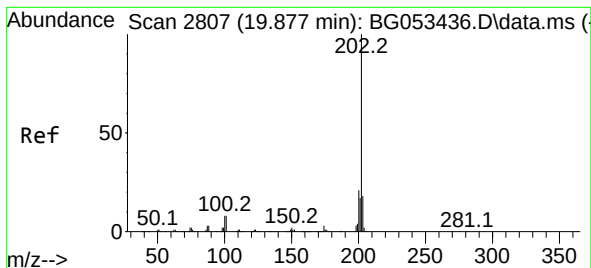
Ion Ratio Lower Upper

184 100

185 17.3 11.8 17.6

183 9.8 8.9 13.3





#78

Pyrene

Concen: 20.185 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

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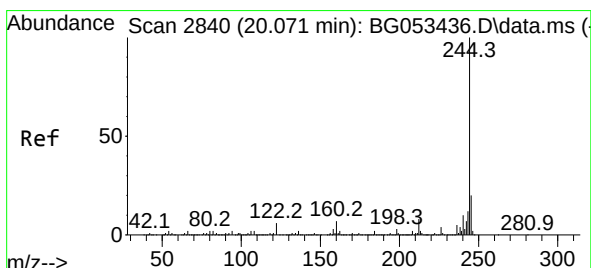
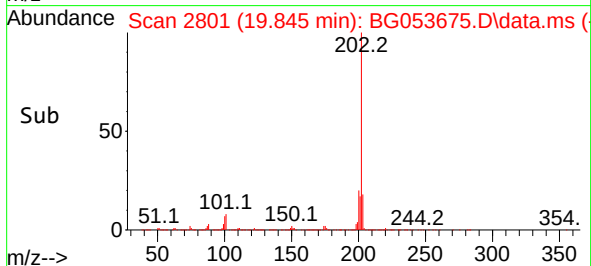
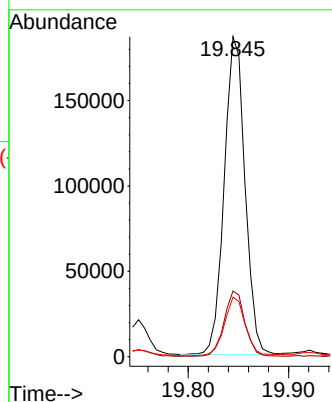
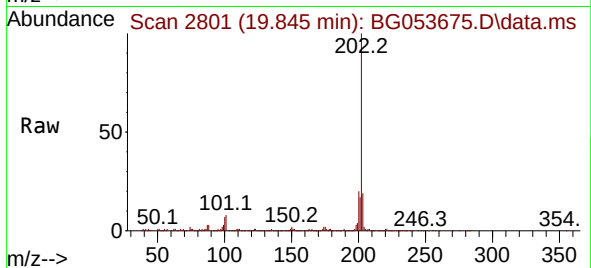
Tgt Ion:202 Resp: 267262

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 64.144 ng

RT: 20.038 min Scan# 2834

Delta R.T. -0.003 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

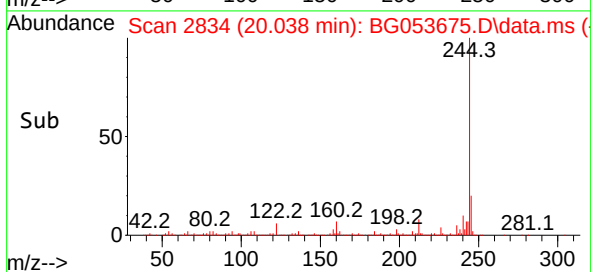
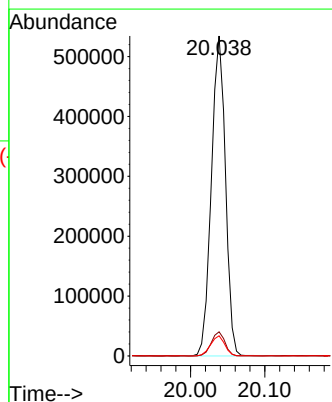
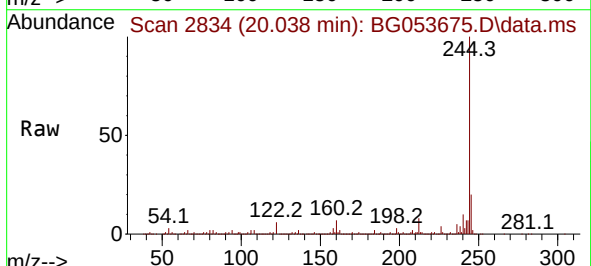
Tgt Ion:244 Resp: 704446

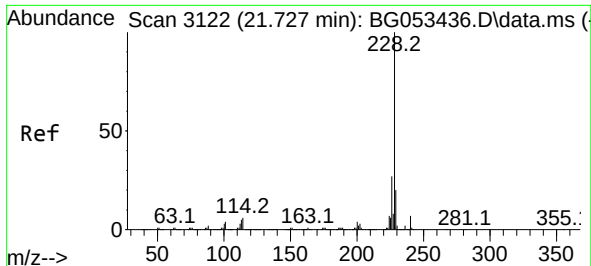
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 6.3 5.0 7.4

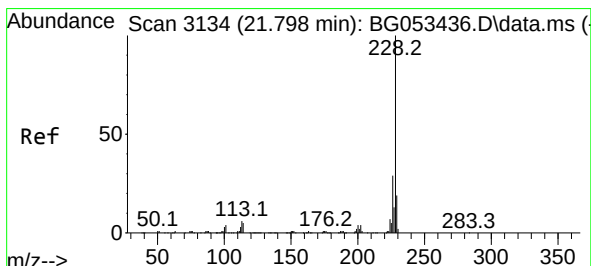
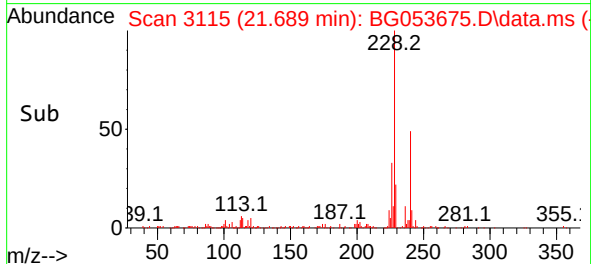
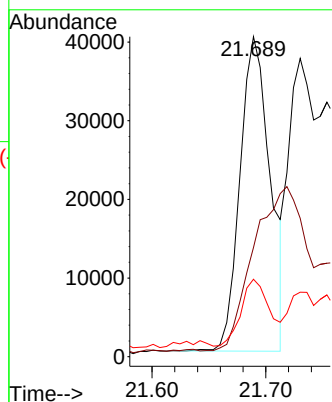
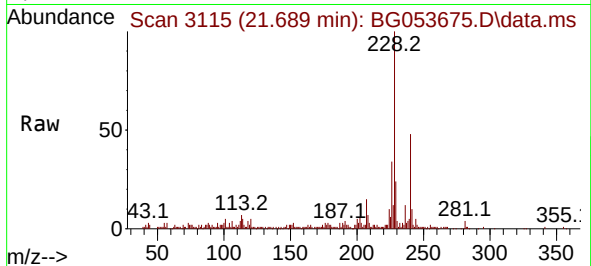




#81
Benzo(a)anthracene
Concen: 5.671 ng
RT: 21.689 min Scan# 3115
Delta R.T. -0.009 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

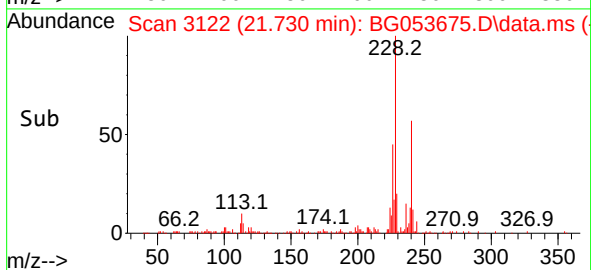
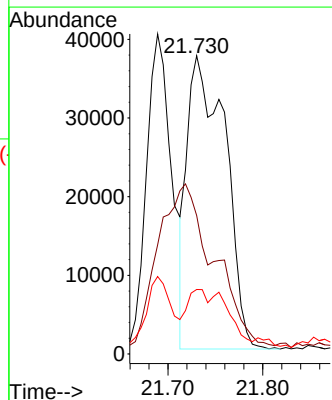
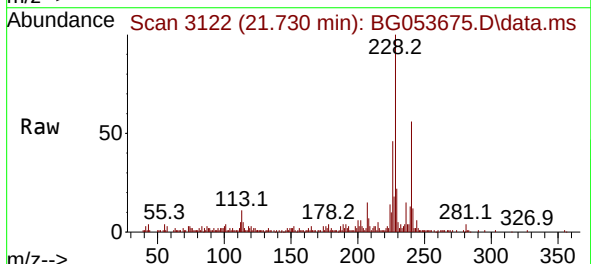
Instrument :
BNA_G
ClientSampleId :
P-5

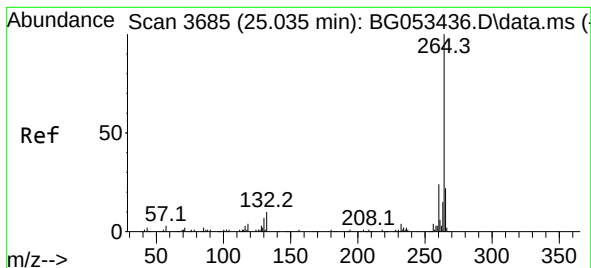
Tgt Ion:228 Resp: 73985
Ion Ratio Lower Upper
228 100
226 34.1 21.6 32.4#
229 24.2 16.2 24.2



#83
Chrysene
Concen: 8.513 ng
RT: 21.730 min Scan# 3122
Delta R.T. -0.032 min
Lab File: BG053675.D
Acq: 23 May 2022 22:07

Tgt Ion:228 Resp: 103722
Ion Ratio Lower Upper
228 100
226 46.4 23.4 35.2#
229 21.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.973 min Scan# 3

Delta R.T. -0.009 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

P-5

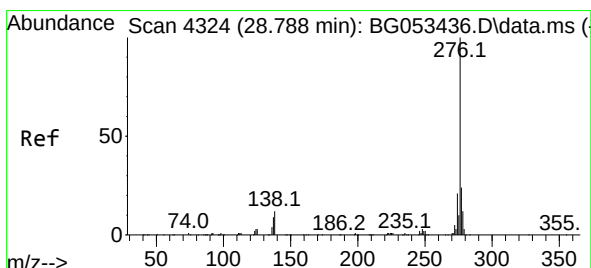
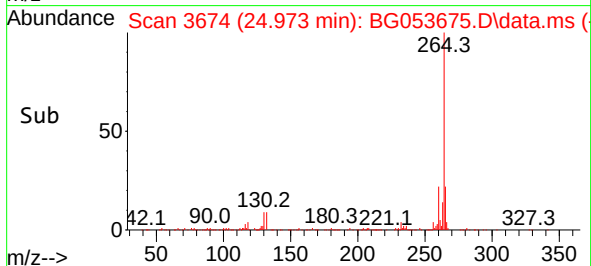
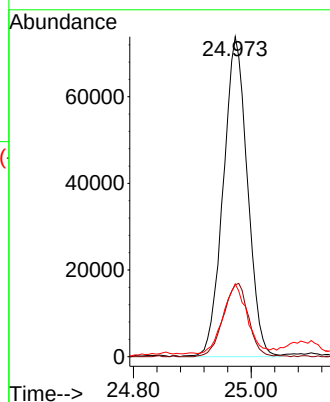
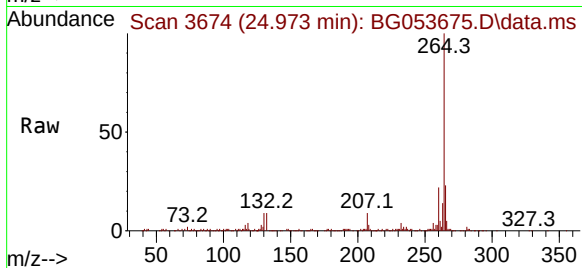
Tgt Ion:264 Resp: 210390

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.6

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.073 ng

RT: 28.715 min Scan# 4311

Delta R.T. -0.015 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

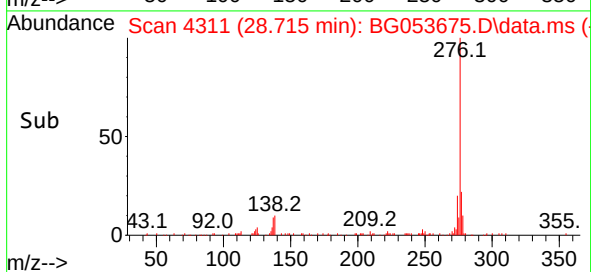
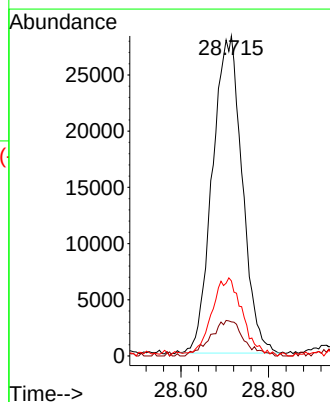
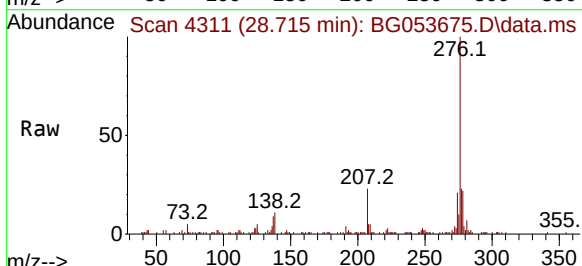
Tgt Ion:276 Resp: 132943

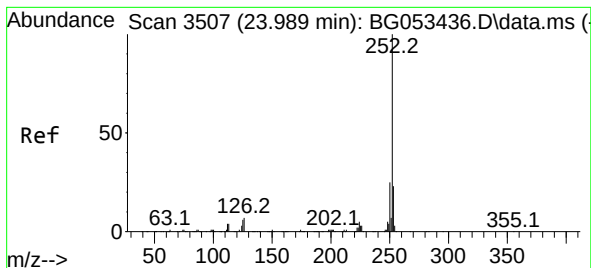
Ion Ratio Lower Upper

276 100

138 12.5 5.0 7.4#

277 25.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 15.265 ng

RT: 23.933 min Scan# 3497

Delta R.T. -0.009 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

P-5

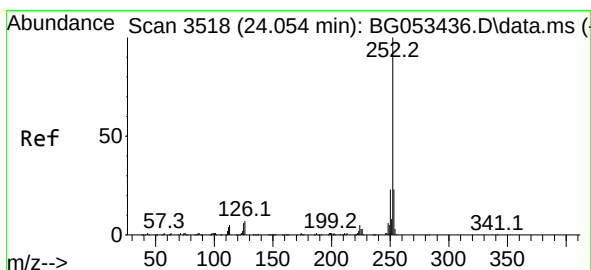
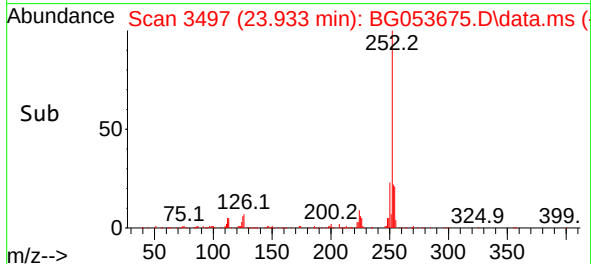
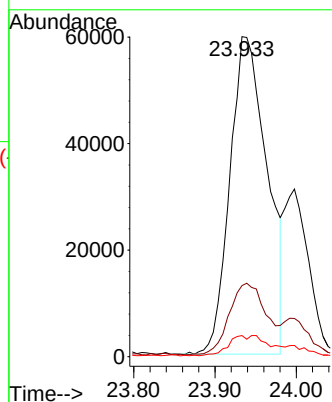
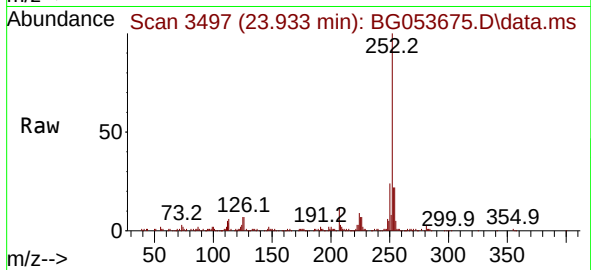
Tgt Ion:252 Resp: 190103

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 6.6 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 15.535 ng

RT: 23.933 min Scan# 3497

Delta R.T. -0.079 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

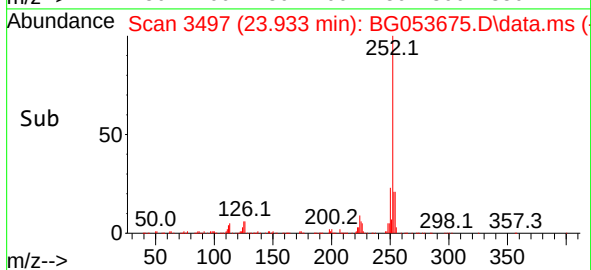
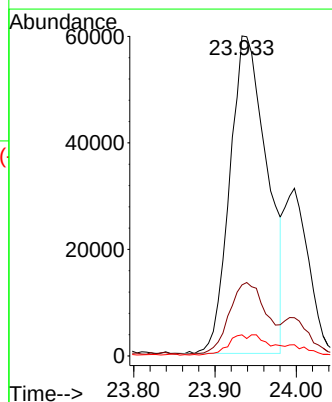
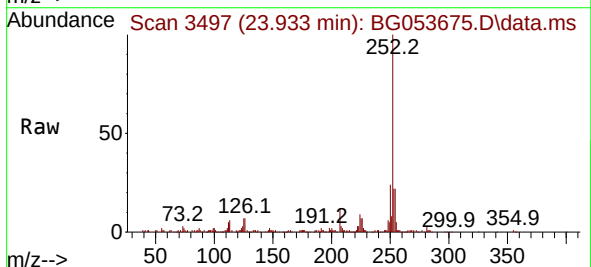
Tgt Ion:252 Resp: 190103

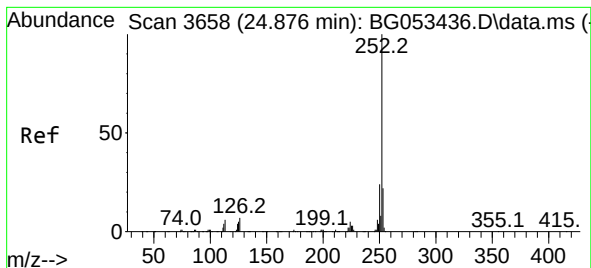
Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 6.6 4.8 7.2





#90

Benzo(a)pyrene

Concen: 14.678 ng

RT: 24.814 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

Instrument :

BNA_G

ClientSampleId :

P-5

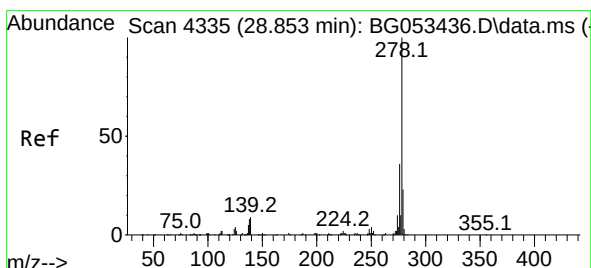
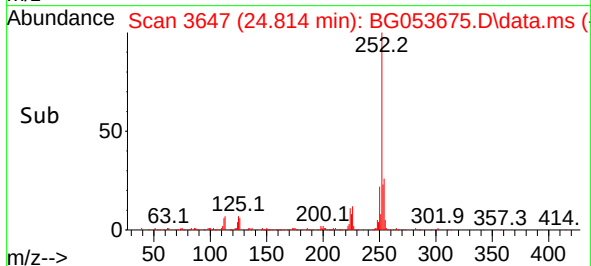
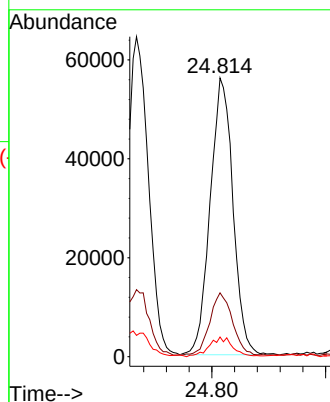
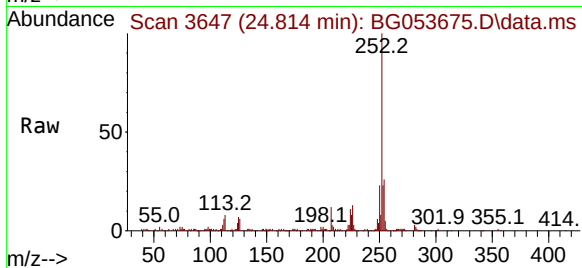
Tgt Ion:252 Resp: 155576

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 7.1 4.3 6.5#



#91

Dibenzo(a,h)anthracene

Concen: 3.353 ng

RT: 28.738 min Scan# 4315

Delta R.T. -0.044 min

Lab File: BG053675.D

Acq: 23 May 2022 22:07

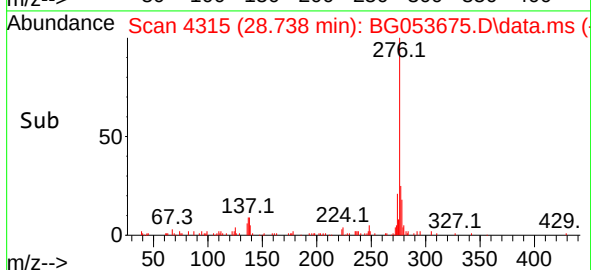
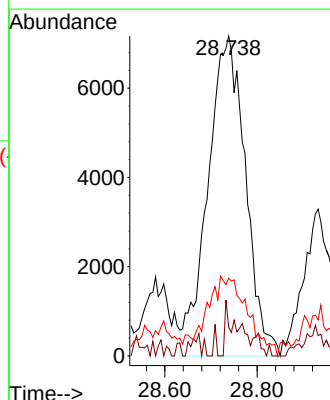
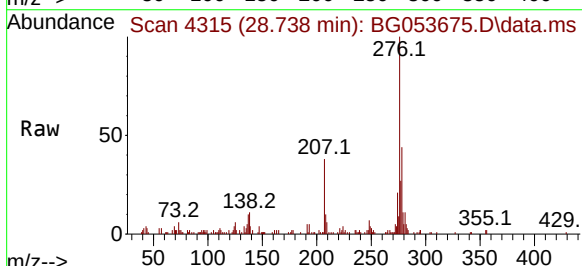
Tgt Ion:278 Resp: 40489

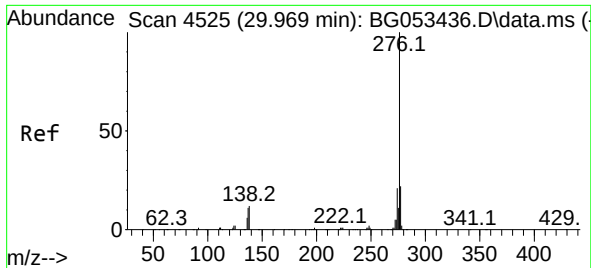
Ion Ratio Lower Upper

278 100

139 9.0 7.2 10.8

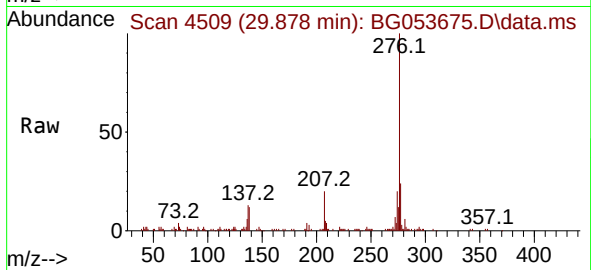
279 24.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 13.351 ng
 RT: 29.878 min Scan# 41
 Delta R.T. -0.027 min
 Lab File: BG053675.D
 Acq: 23 May 2022 22:07

Instrument :
 BNA_G
 ClientSampleId :
 P-5



Tgt Ion:276 Resp: 159794
 Ion Ratio Lower Upper
 276 100
 277 23.6 17.3 25.9
 138 11.5 9.6 14.4

