

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053066.D
 Acq On : 6 Apr 2022 22:20
 Operator : CG/JU
 Sample : N2237-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A01040

Quant Time: Apr 07 04:11:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

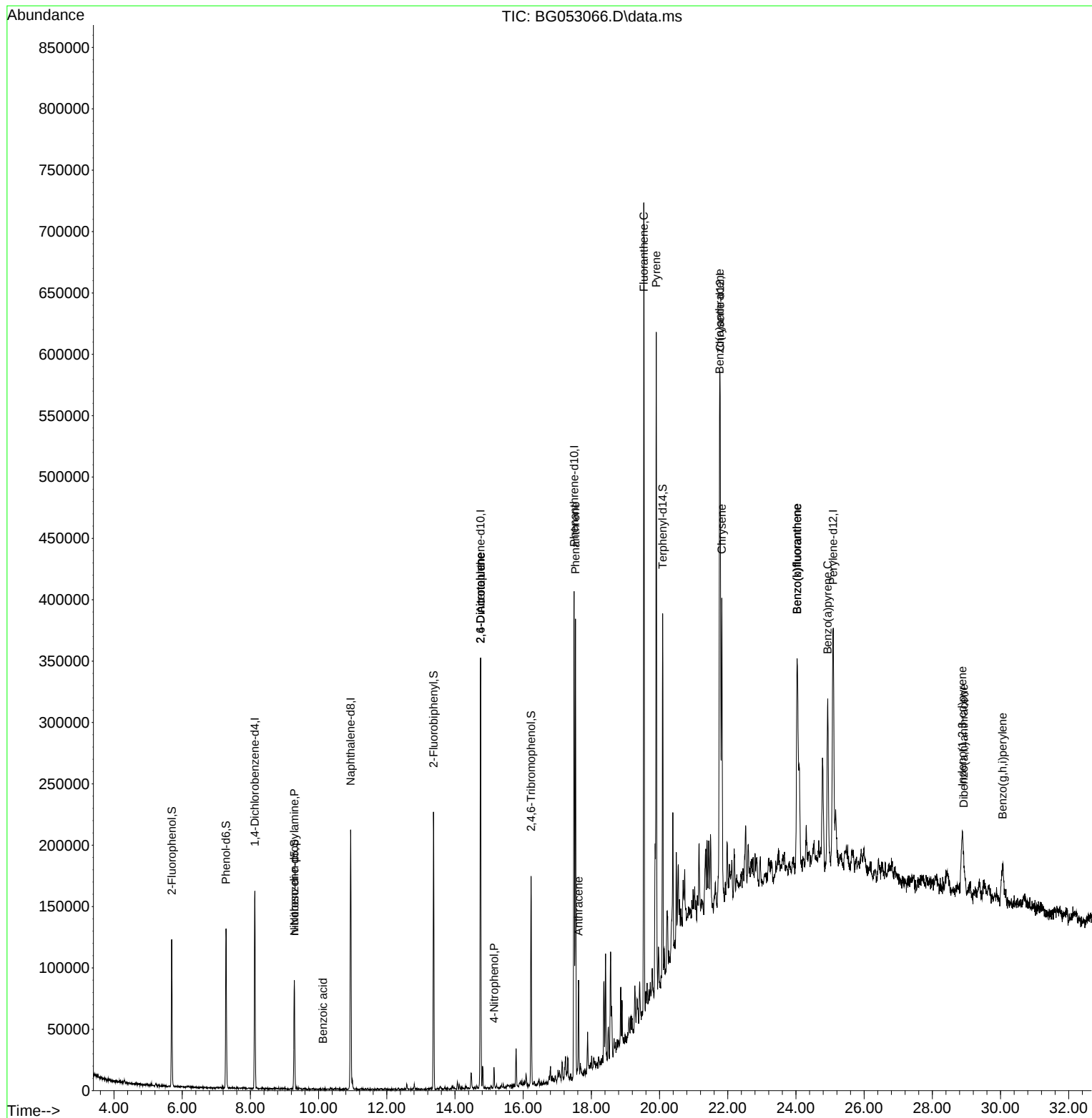
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.130	152	43129	20.000	ng	0.00
21) Naphthalene-d8	10.938	136	175987	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	124325	20.000	ng	0.00
64) Phenanthrene-d10	17.494	188	250059	20.000	ng	0.00
76) Chrysene-d12	21.777	240	213980	20.000	ng	0.00
86) Perylene-d12	25.090	264	223419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	48216	19.469	ng	0.00
7) Phenol-d6	7.285	99	72718	19.477	ng	0.00
23) Nitrobenzene-d5	9.288	82	56059	15.988	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	31163	18.654	ng	0.00
45) 2-Fluorobiphenyl	13.370	172	117616	13.953	ng	0.00
79) Terphenyl-d14	20.091	244	144325	11.998	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.285	77	139	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.288	70	7784	2.944	ng	# 75
32) Benzoic acid	10.128	122	67	5.705	ng	# 1
51) 2,6-Dinitrotoluene	14.745	165	16318	10.460	ng	# 27
56) 4-Nitrophenol	15.144	139	4173	2.802	ng	# 1
57) 2,4-Dinitrotoluene	14.745	165	16318	7.539	ng	# 25
71) Phenanthrene	17.535	178	231054	17.272	ng	98
72) Anthracene	17.623	178	48928	3.700	ng	97
75) Fluoranthene	19.538	202	432375	25.462	ng	99
78) Pyrene	19.903	202	357504	24.086	ng	98
81) Benzo(a)anthracene	21.759	228	211194	14.740	ng	95
83) Chrysene	21.824	228	187466	13.917	ng	98
87) Indeno(1,2,3-cd)pyrene	28.879	276	96578	6.315	ng	# 92
88) Benzo(b)fluoranthene	24.032	252	234326	16.892	ng	96
89) Benzo(k)fluoranthene	24.032	252	234326	17.169	ng	96
90) Benzo(a)pyrene	24.931	252	161546	13.757	ng	99
91) Dibenzo(a,h)anthracene	28.920	278	30432	2.415	ng	# 81
92) Benzo(g,h,i)perylene	30.060	276	79141	6.348	ng	# 91

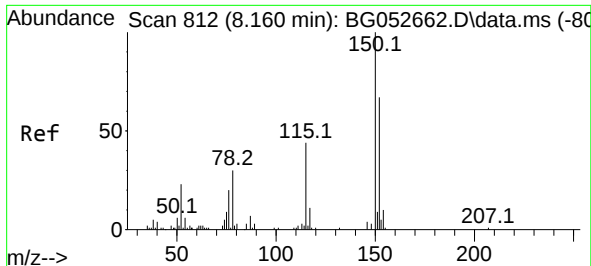
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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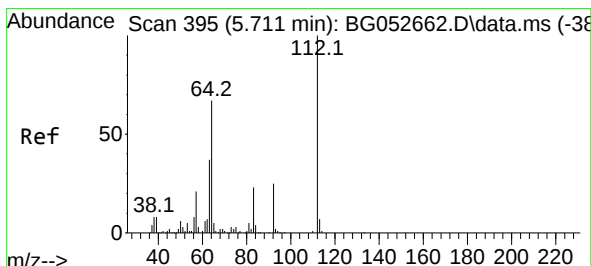
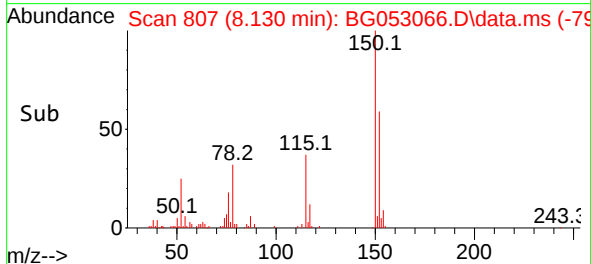
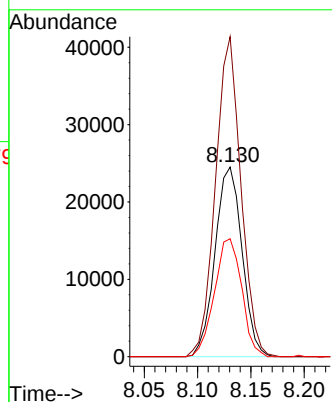
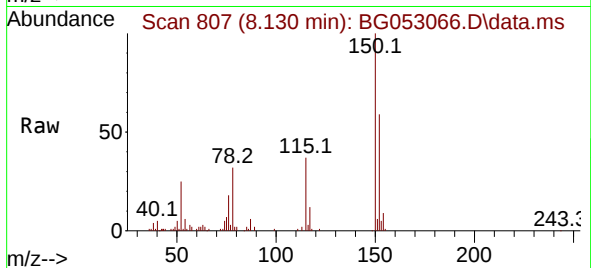




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.130 min Scan# 80
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

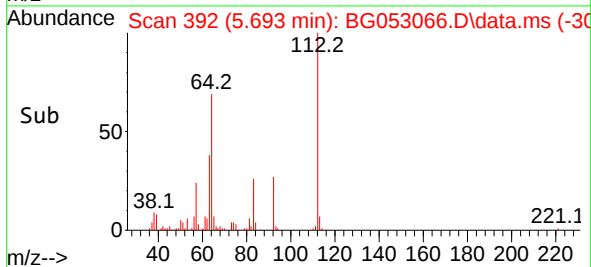
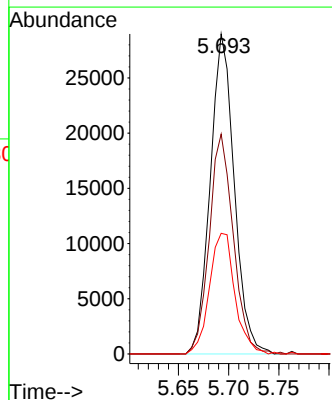
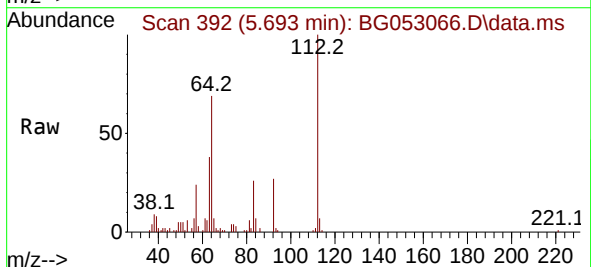
Instrument :
BNA_G
ClientSampleId :
A01040

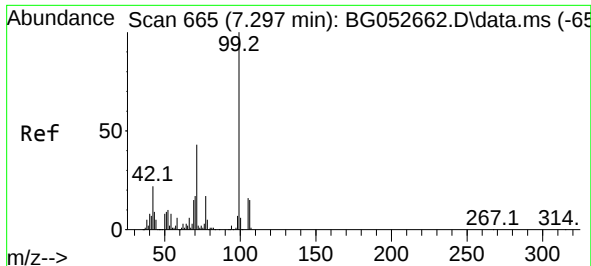
Tgt Ion:152 Resp: 43129
Ion Ratio Lower Upper
152 100
150 168.8 114.6 172.0
115 62.2 45.9 68.9



#5
2-Fluorophenol
Concen: 19.469 ng
RT: 5.693 min Scan# 392
Delta R.T. 0.008 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:112 Resp: 48216
Ion Ratio Lower Upper
112 100
64 68.7 48.0 72.0
63 37.7 26.5 39.7

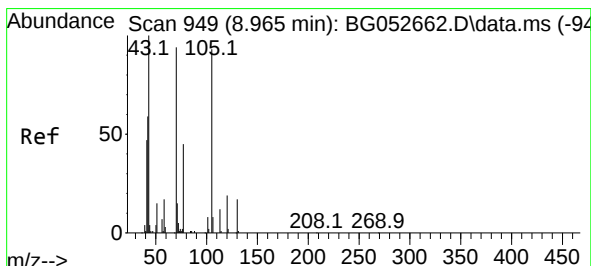
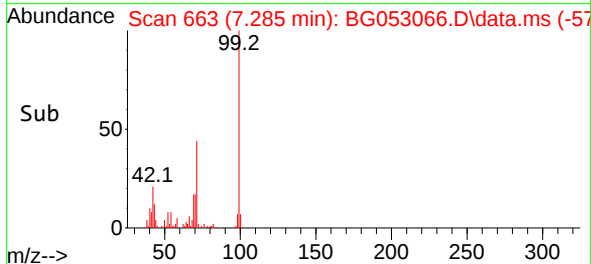
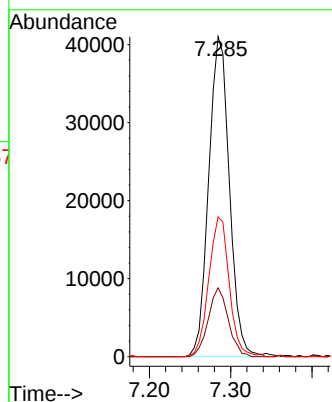
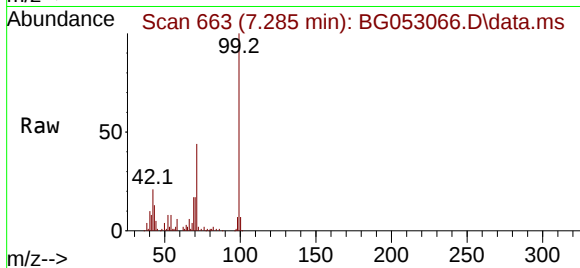




#7
Phenol-d6
Concen: 19.477 ng
RT: 7.285 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

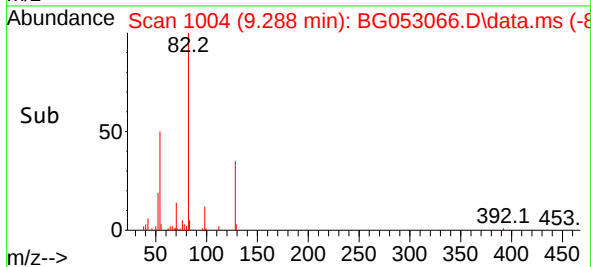
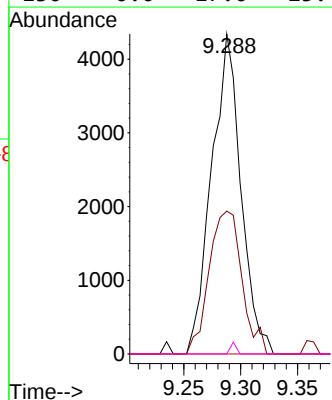
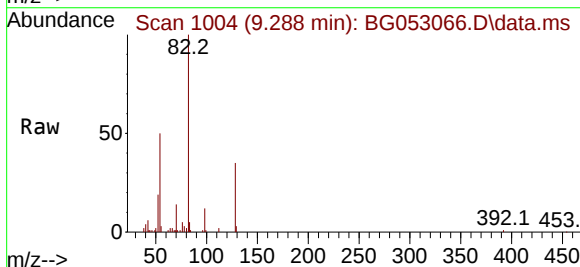
Instrument :
BNA_G
ClientSampleId :
A01040

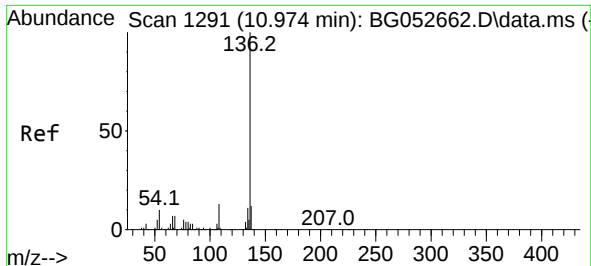
Tgt Ion: 99 Resp: 72718
Ion Ratio Lower Upper
99 100
42 21.5 14.7 22.1
71 43.7 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.944 ng
RT: 9.288 min Scan# 1004
Delta R.T. 0.361 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion: 70 Resp: 7784
Ion Ratio Lower Upper
70 100
42 44.7 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

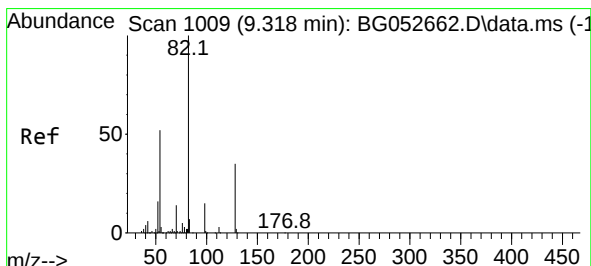
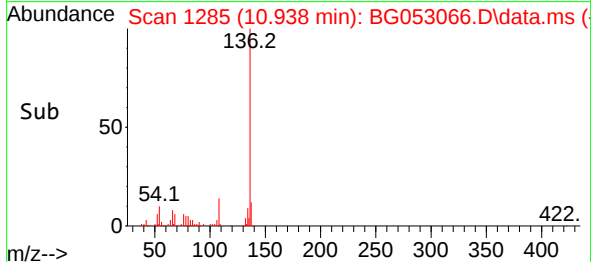
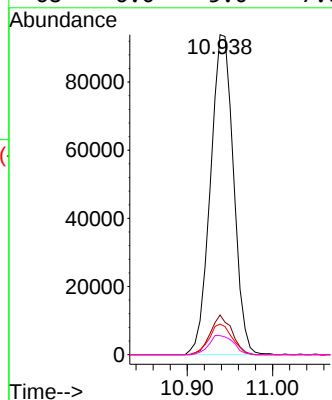
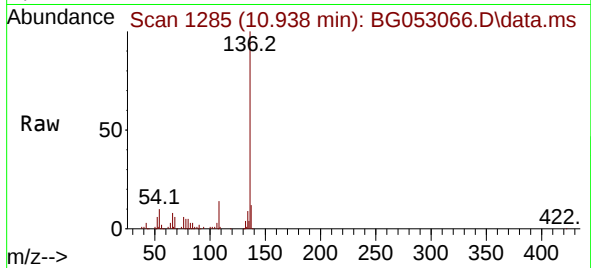




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.938 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

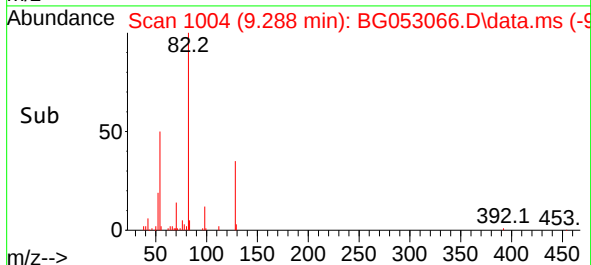
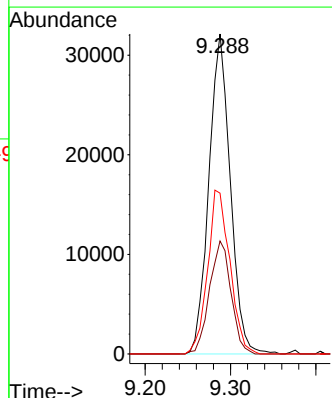
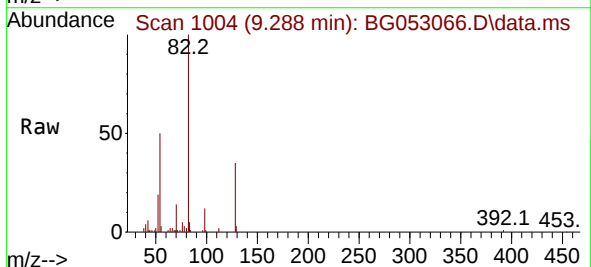
Instrument :
BNA_G
ClientSampleId :
A01040

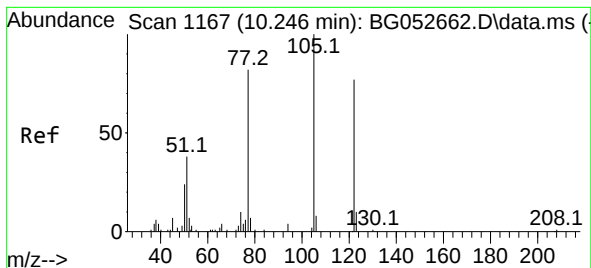
Tgt Ion:	136	Resp:	175987
Ion Ratio	Lower	Upper	
136	100		
137	12.4	9.4	14.2
54	9.6	6.4	9.6
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 15.988 ng
RT: 9.288 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:	82	Resp:	56059
Ion Ratio	Lower	Upper	
82	100		
128	35.3	31.3	46.9
54	50.3	37.8	56.8





#32

Benzoic acid

Concen: 5.705 ng

RT: 10.128 min Scan# 1167

Delta R.T. -0.109 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

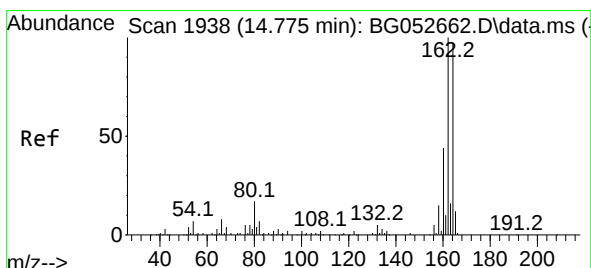
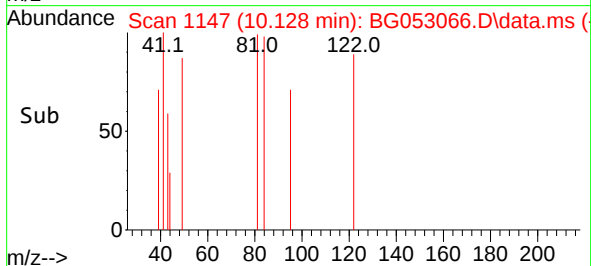
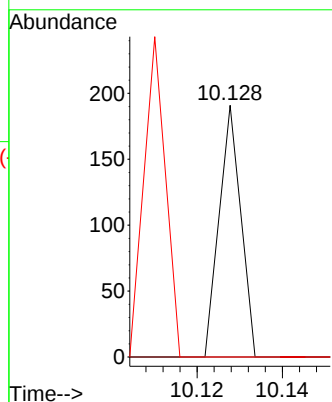
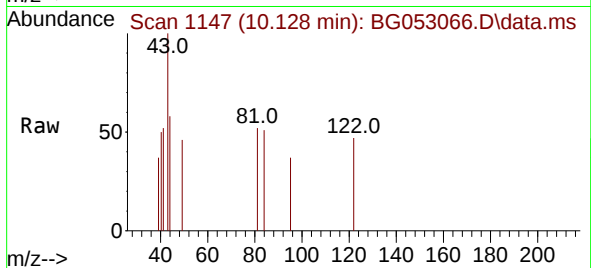
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 112.8 152.8#

77 0.0 78.4 118.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.751 min Scan# 1934

Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

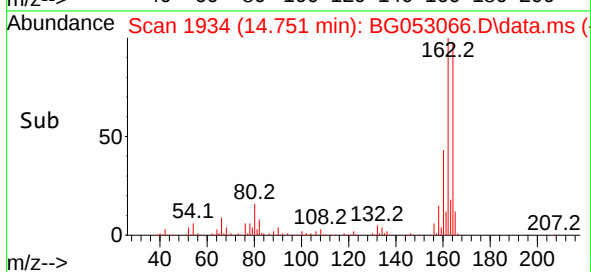
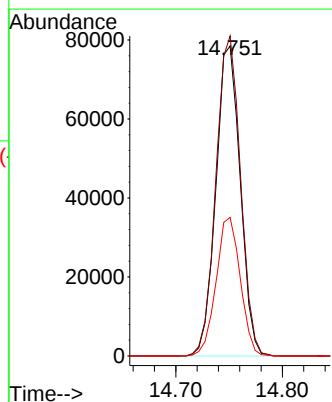
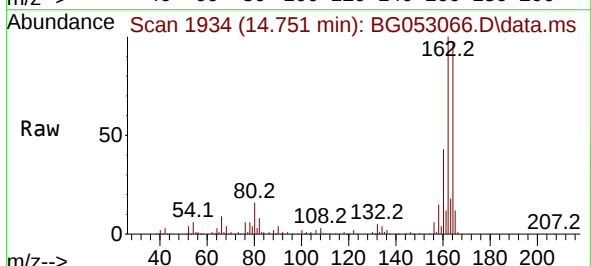
Tgt Ion:164 Resp: 124325

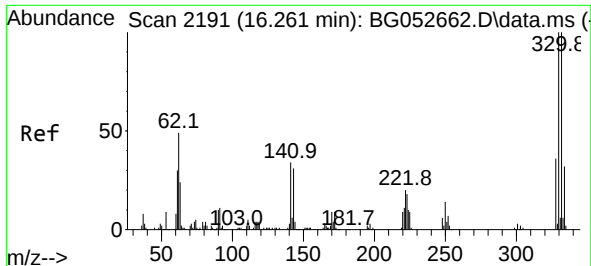
Ion Ratio Lower Upper

164 100

162 103.2 80.0 120.0

160 44.7 38.8 58.2

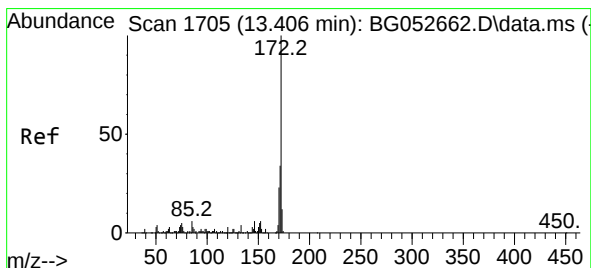
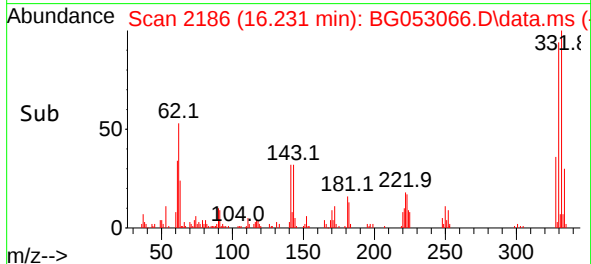
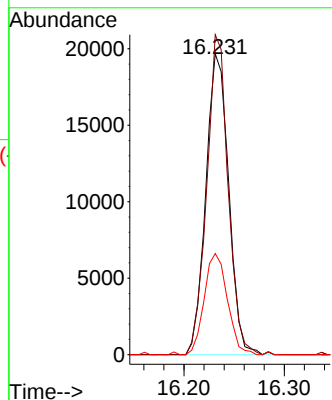
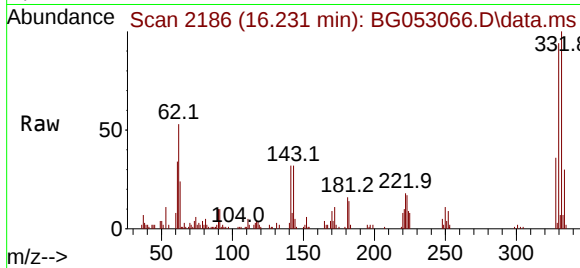




#42
2,4,6-Tribromophenol
Concen: 18.654 ng
RT: 16.231 min Scan# 2191
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

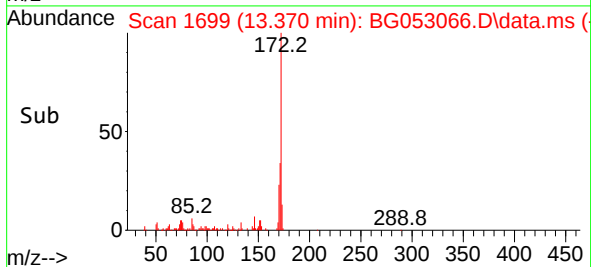
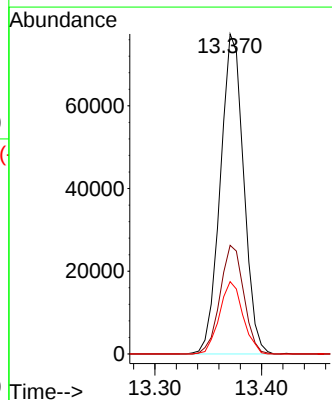
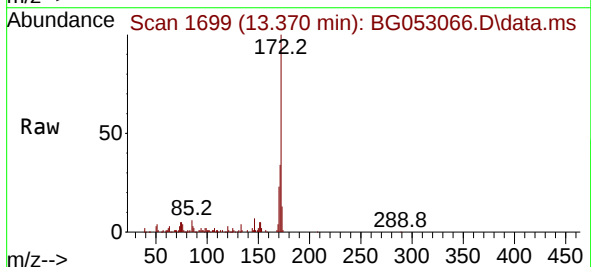
Instrument :
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ClientSampleId :
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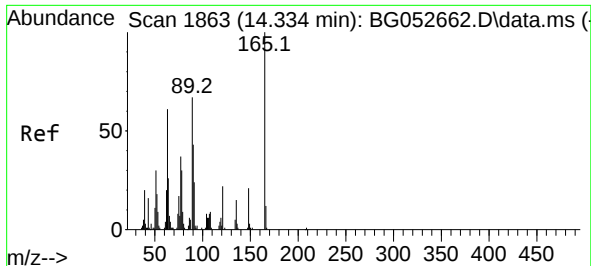
Tgt Ion:330 Resp: 31163
Ion Ratio Lower Upper
330 100
332 99.7 75.8 113.6
141 34.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 13.953 ng
RT: 13.370 min Scan# 1699
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:172 Resp: 117616
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.6 18.0 27.0





#51

2,6-Dinitrotoluene

Concen: 10.460 ng

RT: 14.745 min Scan# 1933

Delta R.T. 0.431 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

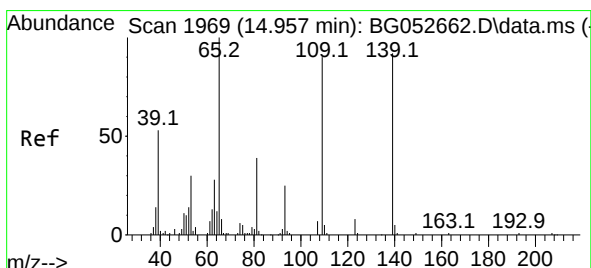
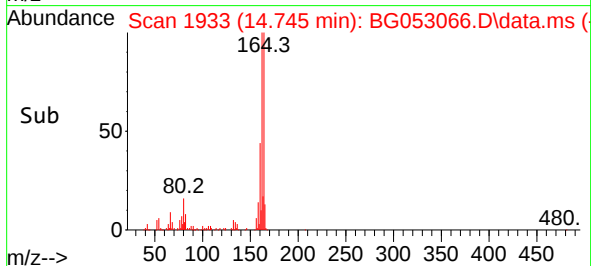
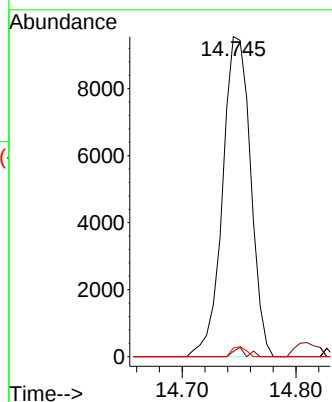
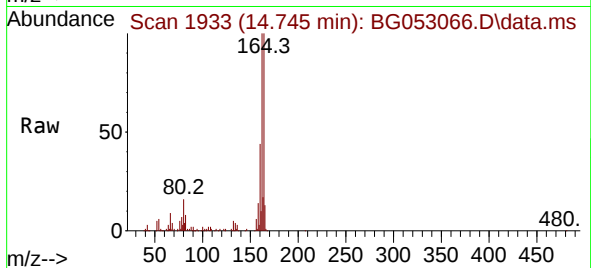
Tgt Ion:165 Resp: 16318

Ion Ratio Lower Upper

165 100

63 1.7 43.7 65.5#

89 2.7 45.0 67.4#



#56

4-Nitrophenol

Concen: 2.802 ng

RT: 15.144 min Scan# 2001

Delta R.T. 0.202 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

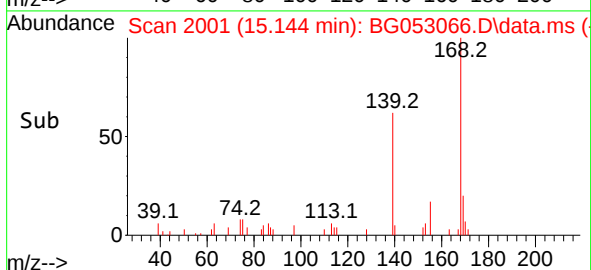
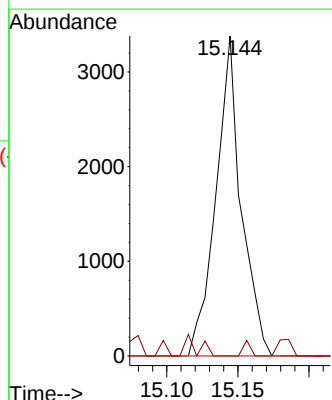
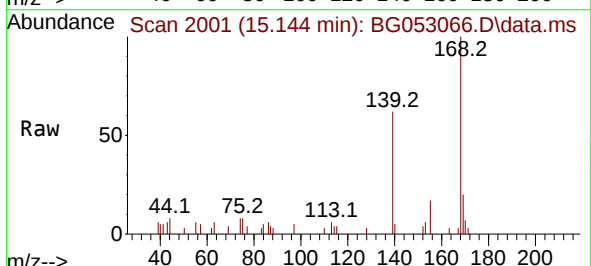
Tgt Ion:139 Resp: 4173

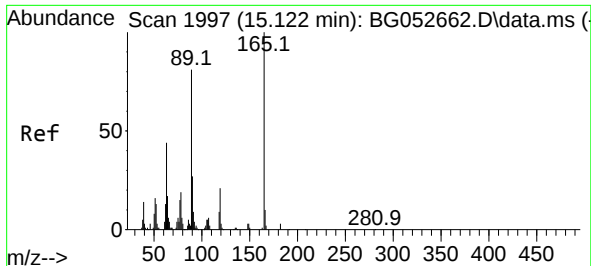
Ion Ratio Lower Upper

139 100

109 0.0 67.1 107.1#

65 0.0 88.2 128.2#

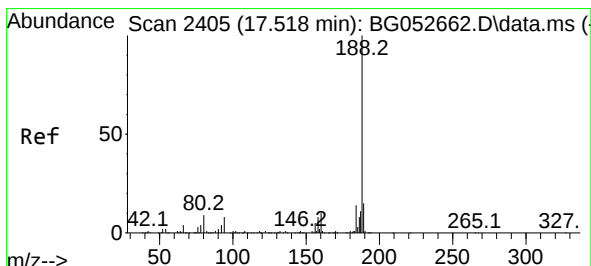
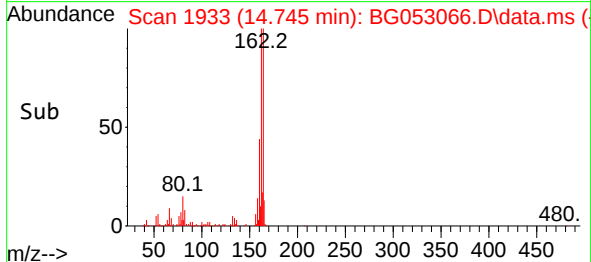
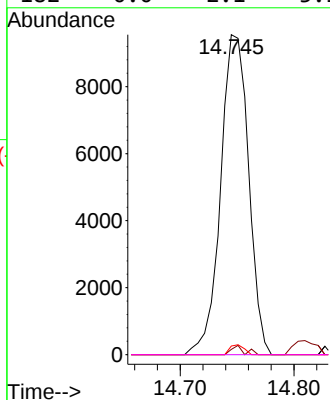
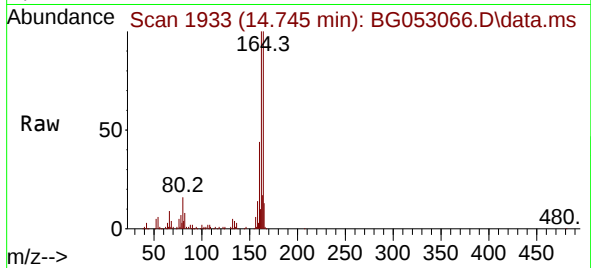




#57
2,4-Dinitrotoluene
Concen: 7.539 ng
RT: 14.745 min Scan# 1997
Delta R.T. -0.356 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

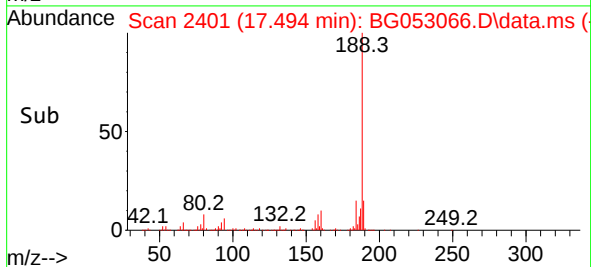
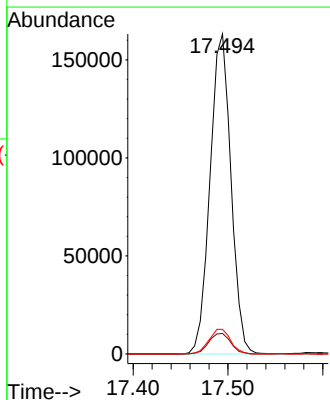
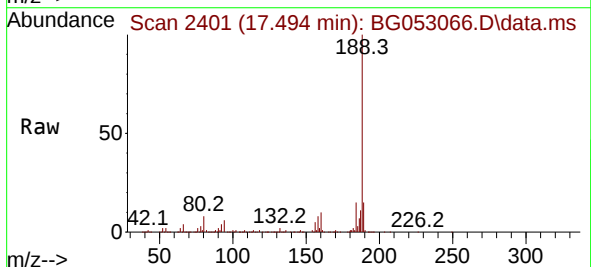
Instrument :
BNA_G
ClientSampleId :
A01040

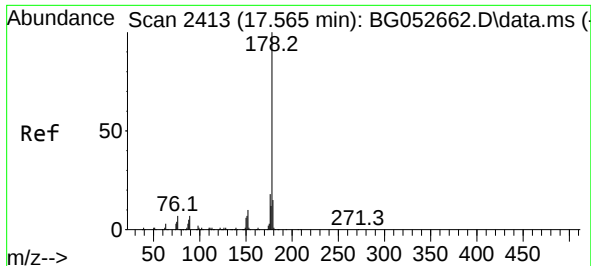
Tgt Ion:165 Resp: 16318
Ion Ratio Lower Upper
165 100
63 1.7 34.8 52.2#
89 2.7 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2401
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:188 Resp: 250059
Ion Ratio Lower Upper
188 100
94 6.4 5.7 8.5
80 7.7 7.2 10.8

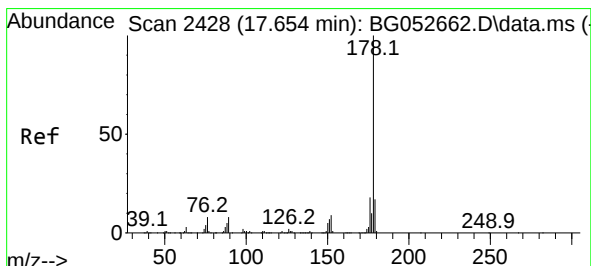
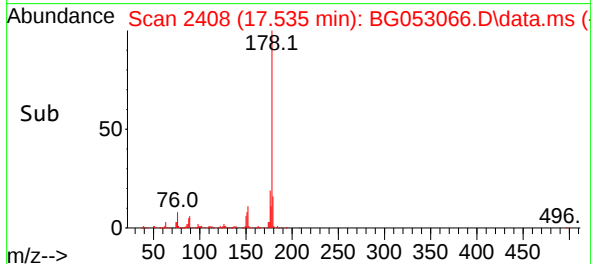
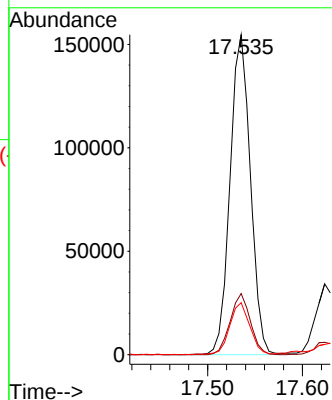
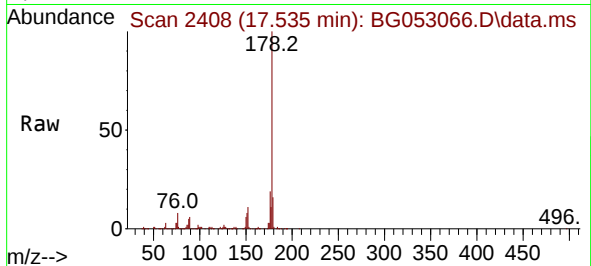




#71
Phenanthrene
Concen: 17.272 ng
RT: 17.535 min Scan# 2413
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

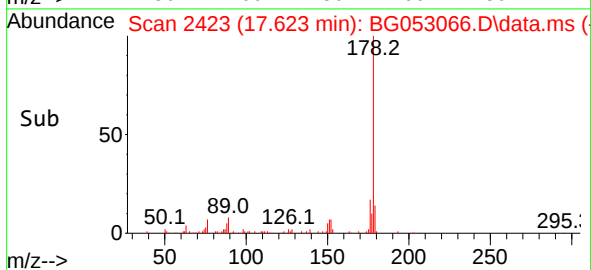
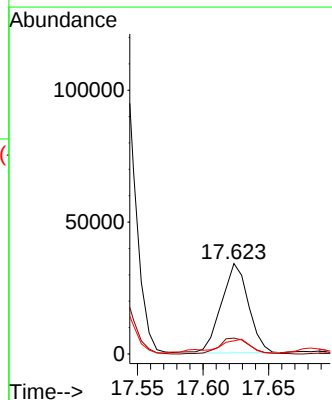
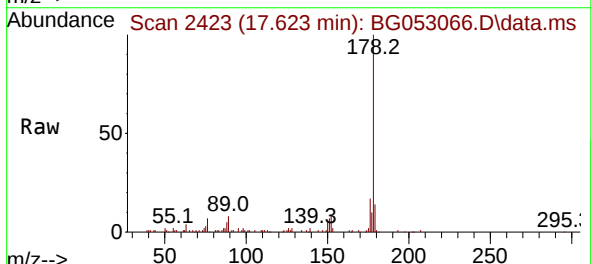
Instrument :
BNA_G
ClientSampleId :
A01040

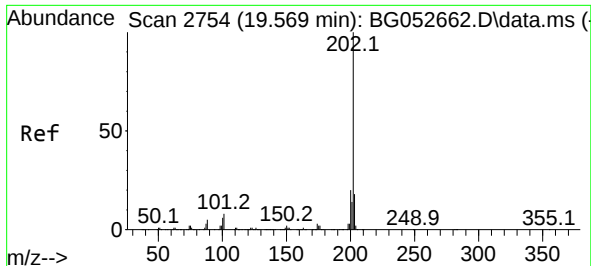
Tgt Ion:178 Resp: 231054
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.2 13.4 20.2



#72
Anthracene
Concen: 3.700 ng
RT: 17.623 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:178 Resp: 48928
Ion Ratio Lower Upper
178 100
176 17.5 14.7 22.1
179 14.5 13.2 19.8

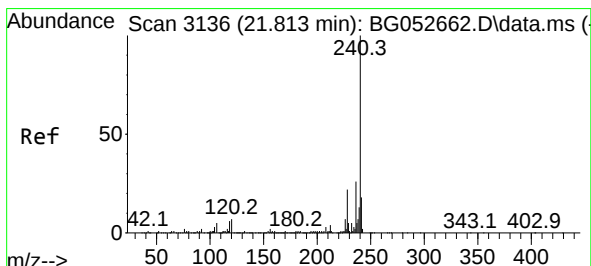
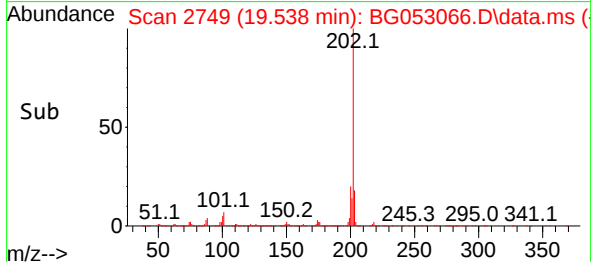
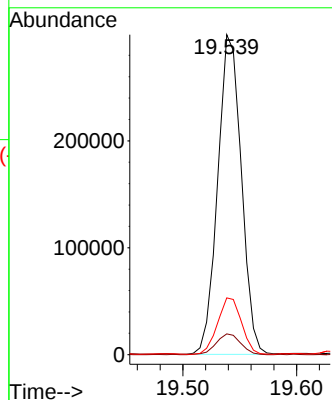
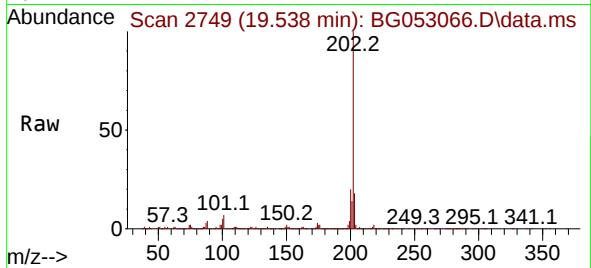




#75
Fluoranthene
Concen: 25.462 ng
RT: 19.538 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

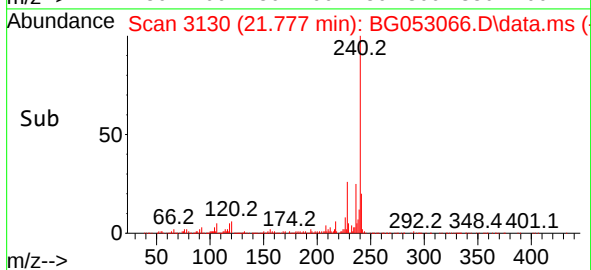
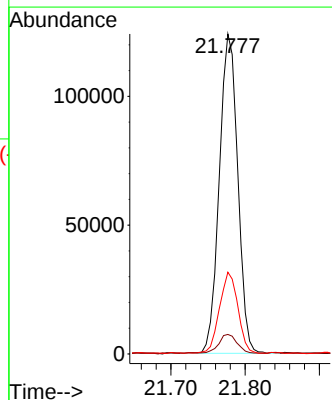
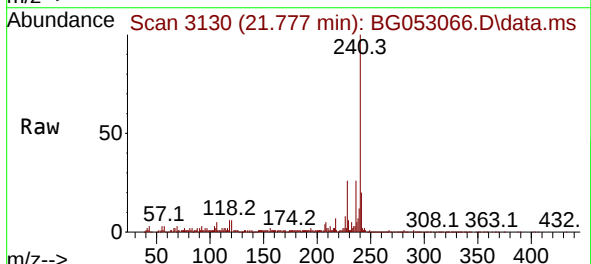
Instrument :
BNA_G
ClientSampleId :
A01040

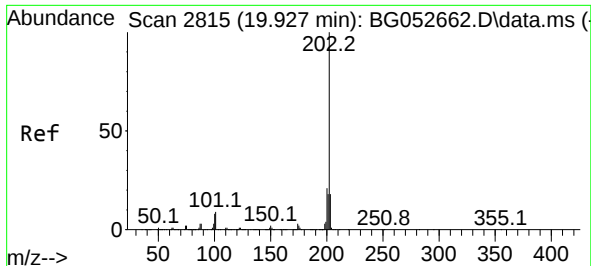
Tgt Ion:202 Resp: 432375
Ion Ratio Lower Upper
202 100
101 6.5 0.0 27.3
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 3130
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:240 Resp: 213980
Ion Ratio Lower Upper
240 100
120 6.1 5.4 8.0
236 25.6 19.8 29.6

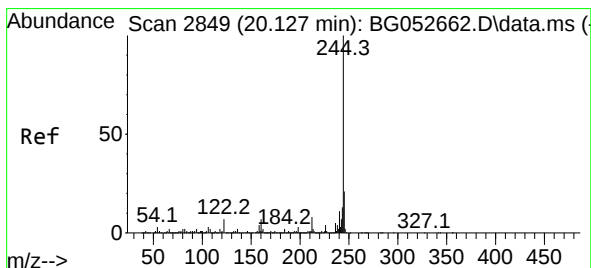
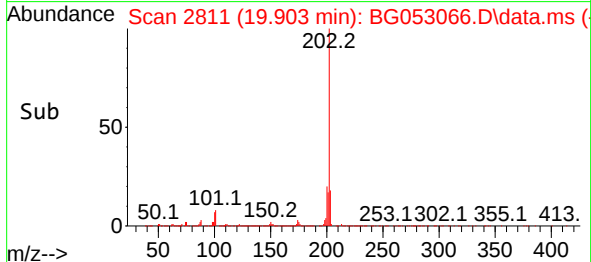
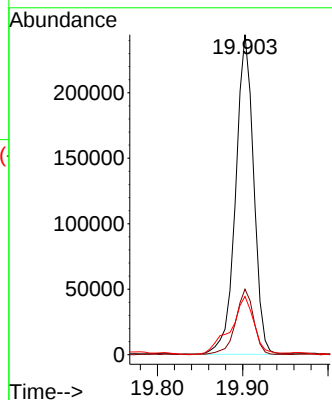
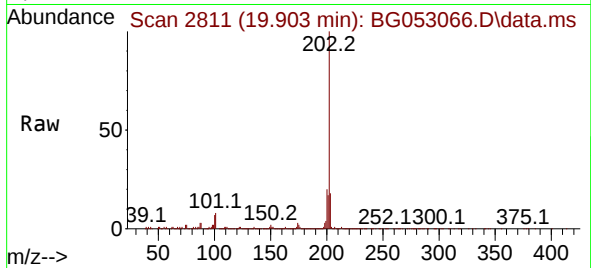




#78
 Pyrene
 Concen: 24.086 ng
 RT: 19.903 min Scan# 2811
 Delta R.T. 0.002 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

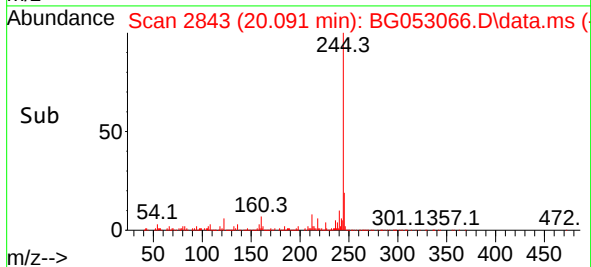
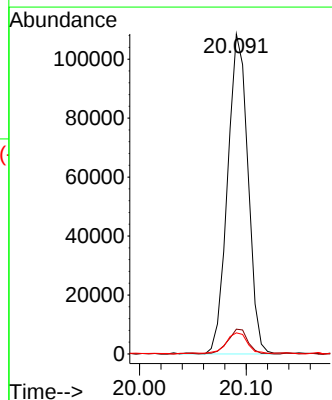
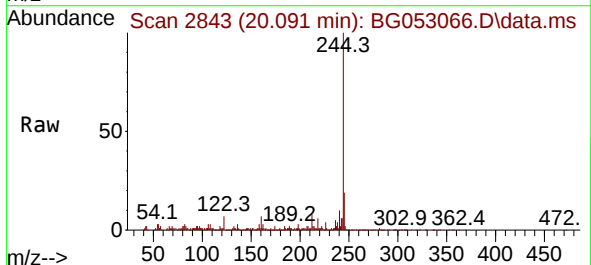
Instrument :
 BNA_G
 ClientSampleId :
 A01040

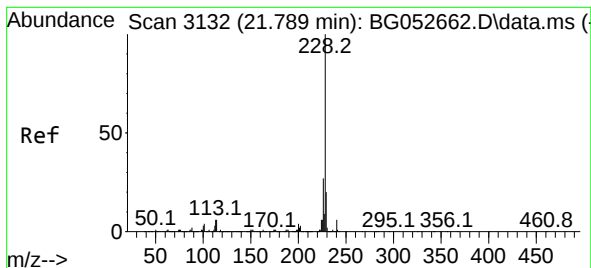
Tgt Ion:202 Resp: 357504
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.0 25.6
 203 18.2 15.0 22.6



#79
 Terphenyl-d14
 Concen: 11.998 ng
 RT: 20.091 min Scan# 2843
 Delta R.T. -0.003 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

Tgt Ion:244 Resp: 144325
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.6 5.8 8.6





#81

Benzo(a)anthracene

Concen: 14.740 ng

RT: 21.759 min Scan# 311

Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

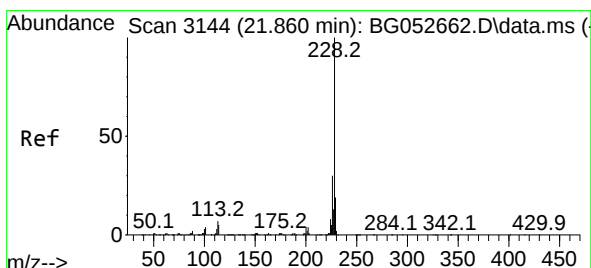
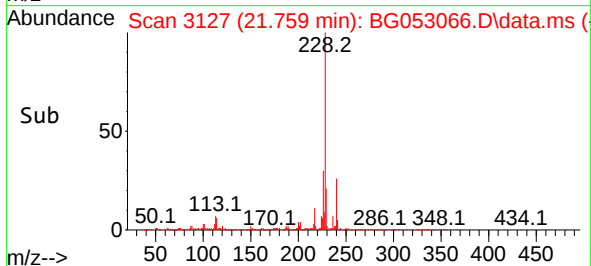
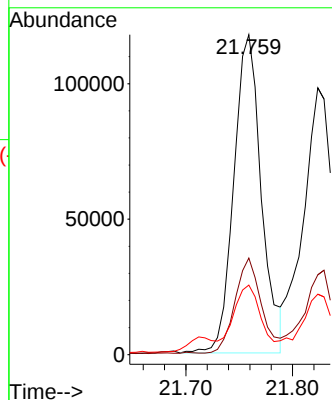
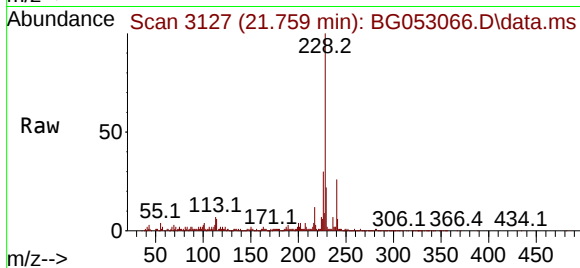
Tgt Ion:228 Resp: 211194

Ion Ratio Lower Upper

228 100

226 30.2 21.4 32.0

229 21.8 16.7 25.1



#83

Chrysene

Concen: 13.917 ng

RT: 21.824 min Scan# 3138

Delta R.T. -0.003 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

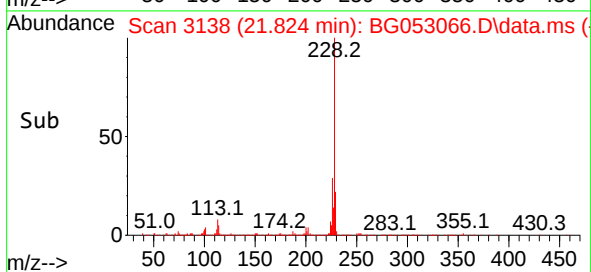
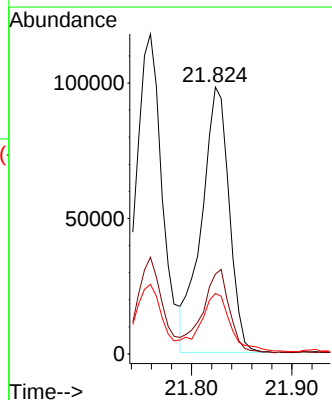
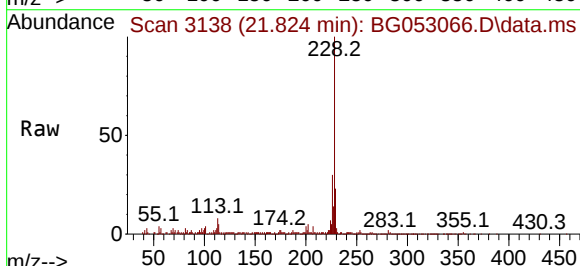
Tgt Ion:228 Resp: 187466

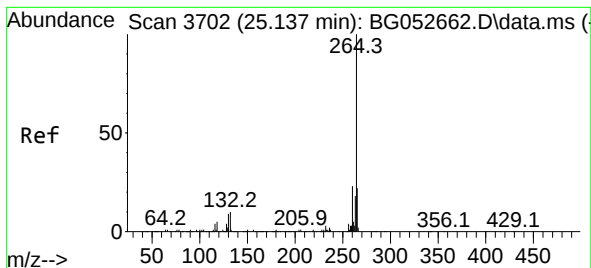
Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 22.7 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.090 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

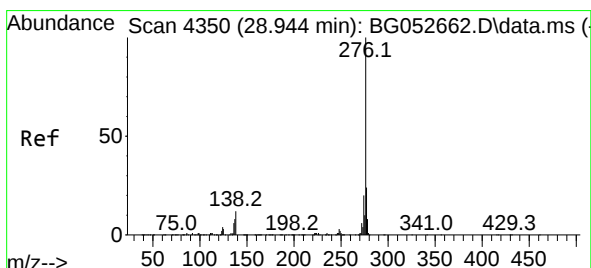
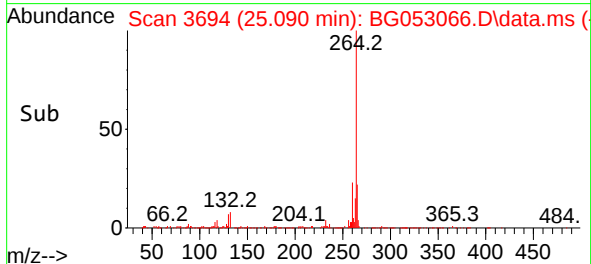
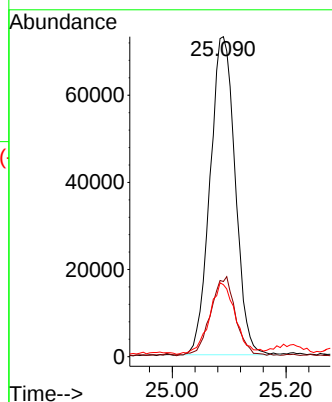
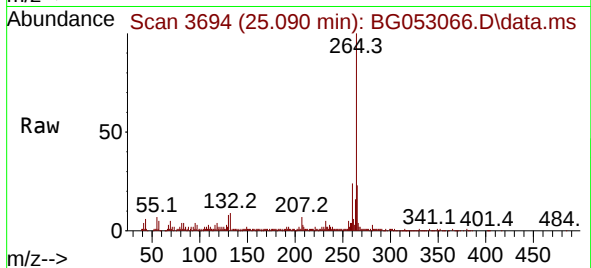
Tgt Ion:264 Resp: 223419

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 22.5 15.1 22.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.315 ng

RT: 28.879 min Scan# 4339

Delta R.T. 0.008 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

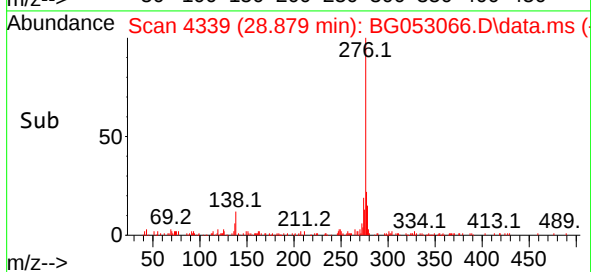
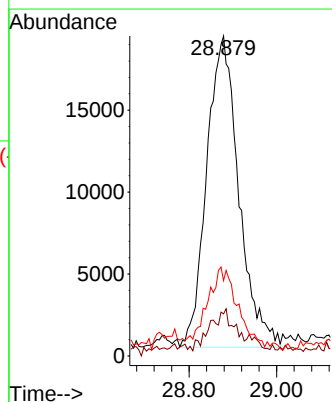
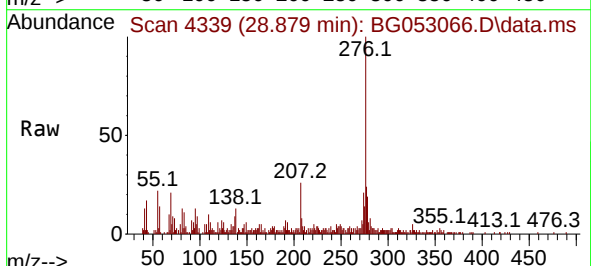
Tgt Ion:276 Resp: 96578

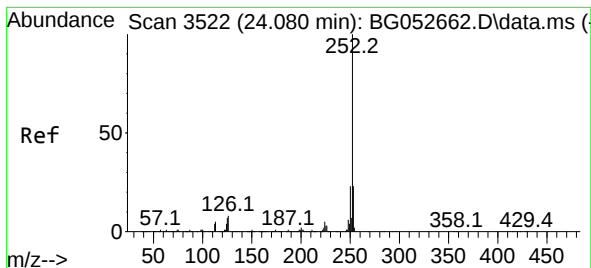
Ion Ratio Lower Upper

276 100

138 3.5 8.7 13.1#

277 23.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 16.892 ng

RT: 24.032 min Scan# 3514

Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

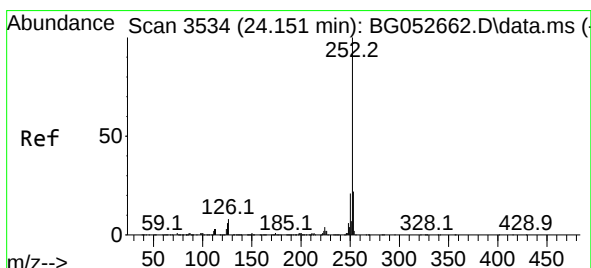
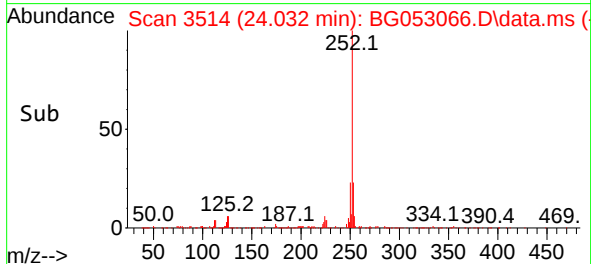
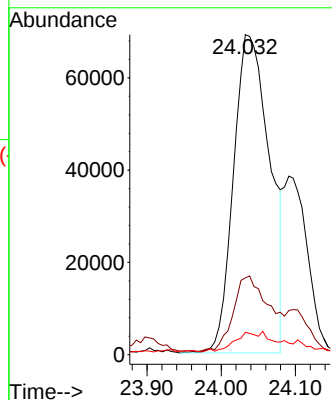
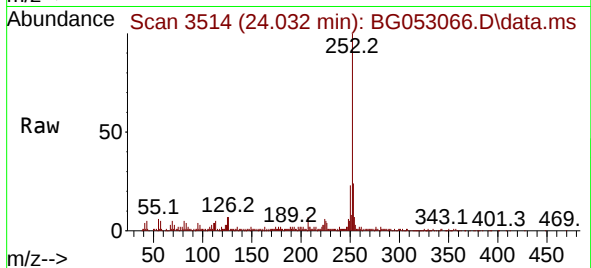
Tgt Ion:252 Resp: 234326

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 7.0 5.2 7.8



#89

Benzo(k)fluoranthene

Concen: 17.169 ng

RT: 24.032 min Scan# 3514

Delta R.T. -0.068 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

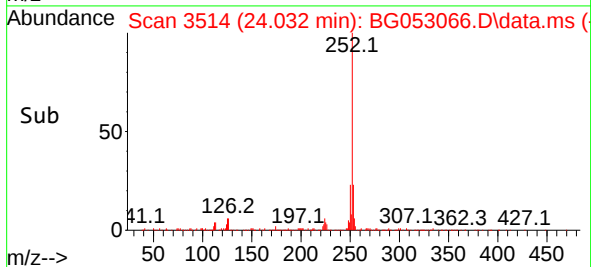
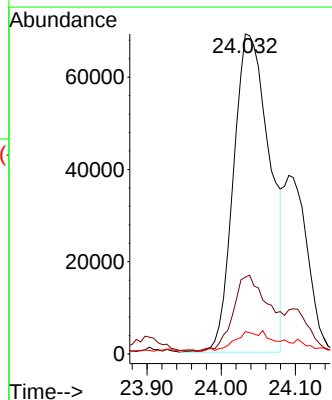
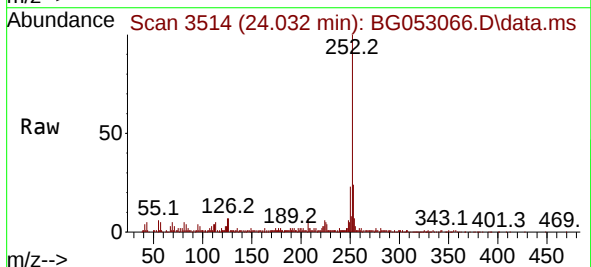
Tgt Ion:252 Resp: 234326

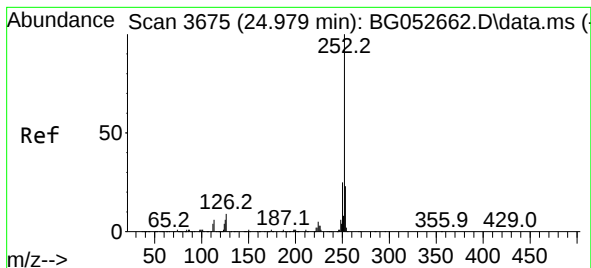
Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 7.0 5.0 7.4





#90

Benzo(a)pyrene

Concen: 13.757 ng

RT: 24.931 min Scan# 3

Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

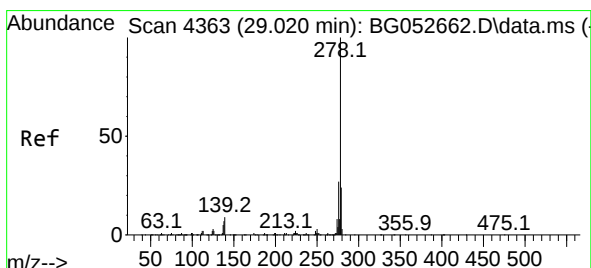
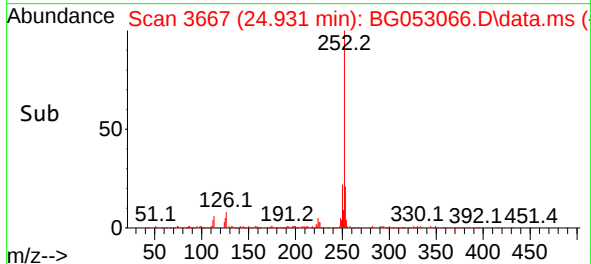
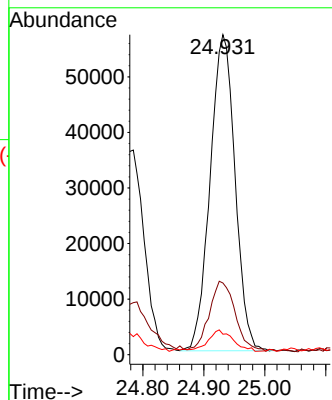
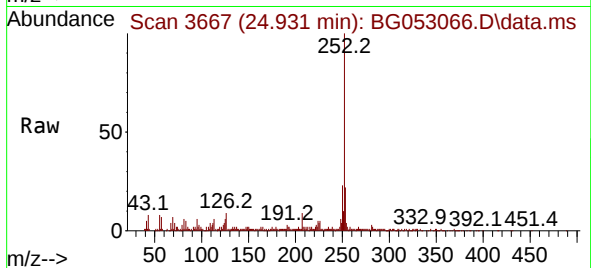
Tgt Ion:252 Resp: 161546

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

125 6.4 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 2.415 ng

RT: 28.920 min Scan# 4346

Delta R.T. -0.009 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

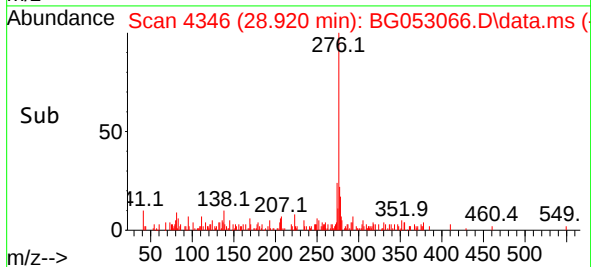
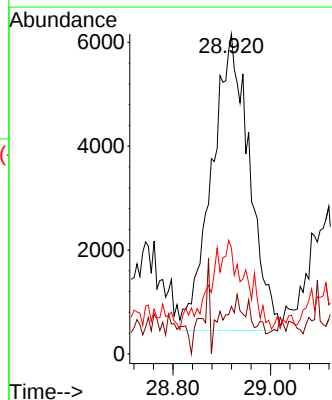
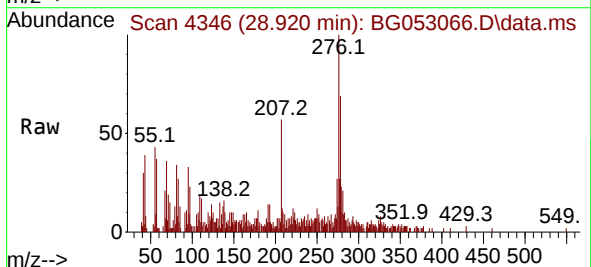
Tgt Ion:278 Resp: 30432

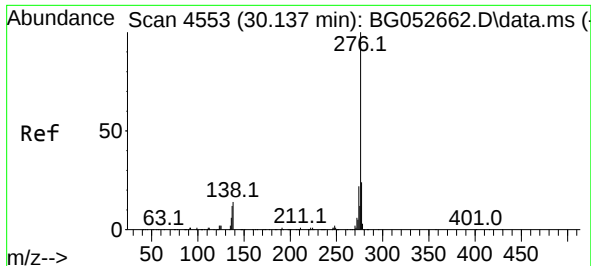
Ion Ratio Lower Upper

278 100

139 14.9 7.8 11.6#

279 33.2 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 6.348 ng
 RT: 30.060 min Scan# 4
 Delta R.T. 0.008 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

Instrument :
 BNA_G
 ClientSampleId :
 A01040

Tgt Ion:276 Resp: 79141
 Ion Ratio Lower Upper
 276 100
 277 28.7 18.2 27.2#
 138 11.0 9.1 13.7

