

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052636.D
 Acq On : 10 Mar 2022 16:20
 Operator : CG/JU
 Sample : N1847-04 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5

Quant Time: Mar 11 03:45:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

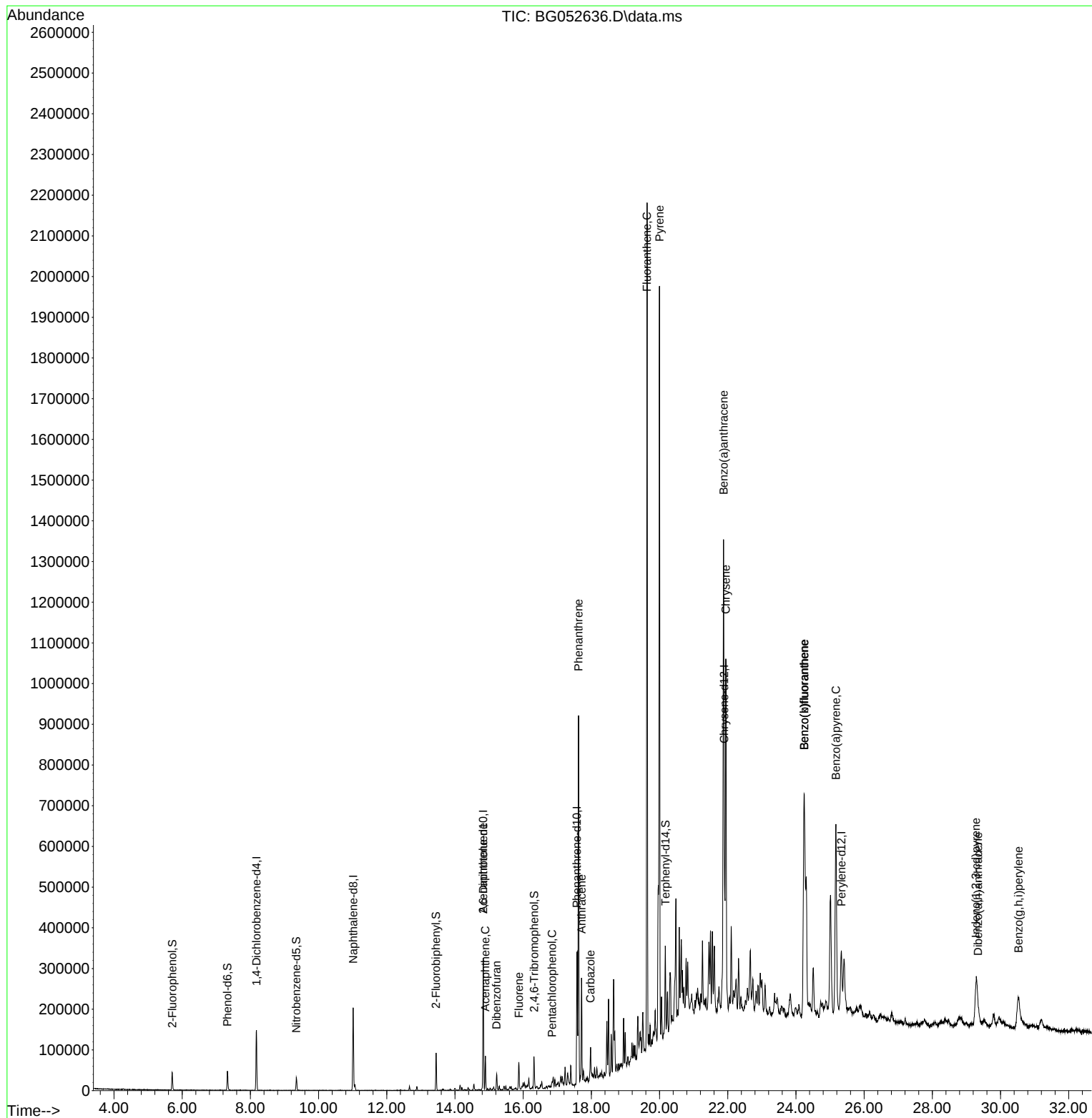
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.178	152	43862	20.000	ng	0.00
21) Naphthalene-d8	11.016	136	178989	20.000	ng	0.00
39) Acenaphthene-d10	14.828	164	111415	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	222135	20.000	ng	0.00
76) Chrysene-d12	21.895	240	192815	20.000	ng	0.00
86) Perylene-d12	25.332	264	181340	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.711	112	21370	8.417	ng	0.00
7) Phenol-d6	7.327	99	30093	8.189	ng	0.00
23) Nitrobenzene-d5	9.347	82	21652	5.484	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	12420	7.860	ng	0.00
45) 2-Fluorobiphenyl	13.448	172	52289	6.335	ng	0.00
79) Terphenyl-d14	20.174	244	67466	6.192	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.828	165	16066	8.685	ng	# 27
52) Acenaphthene	14.893	154	29138	4.681	ng	# 95
55) Dibenzofuran	15.222	168	22734	2.154	ng	94
58) Fluorene	15.874	166	30289	3.533	ng	94
70) Pentachlorophenol	16.849	266	55	5.783	ng	# 23
71) Phenanthrene	17.624	178	565298	48.504	ng	99
72) Anthracene	17.712	178	167470	14.677	ng	99
73) Carbazole	17.977	167	46980	4.207	ng	95
75) Fluoranthene	19.633	202	1317823	90.557	ng	96
78) Pyrene	19.998	202	1224144	94.983	ng	98
81) Benzo(a)anthracene	21.877	228	758505	58.715	ng	97
83) Chrysene	21.942	228	652444	54.016	ng	97
87) Indeno(1,2,3-cd)pyrene	29.279	276	261358	20.112	ng	94
88) Benzo(b)fluoranthene	24.245	252	898968	80.292	ng	97
89) Benzo(k)fluoranthene	24.245	252	898968	79.839	ng	97
90) Benzo(a)pyrene	25.173	252	650804	68.700	ng	98
91) Dibenzo(a,h)anthracene	29.338	278	58468	5.422	ng	# 91
92) Benzo(g,h,i)perylene	30.530	276	232504	22.090	ng	97

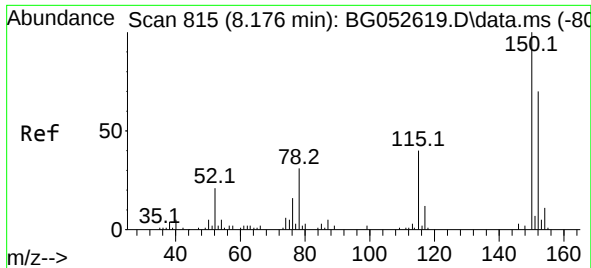
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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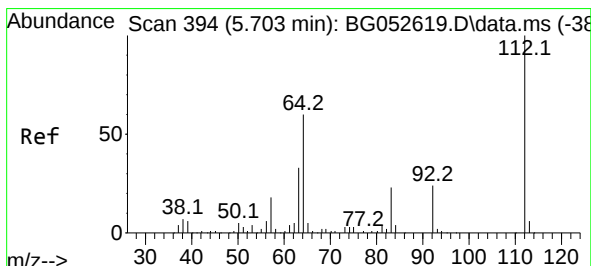
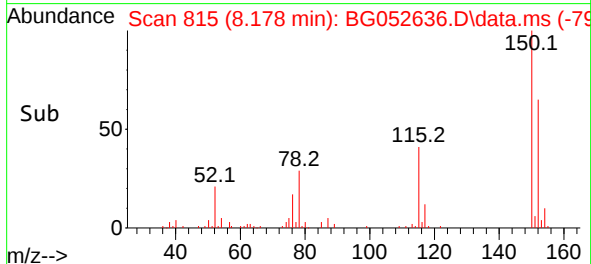
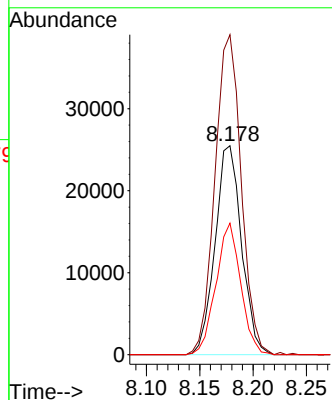
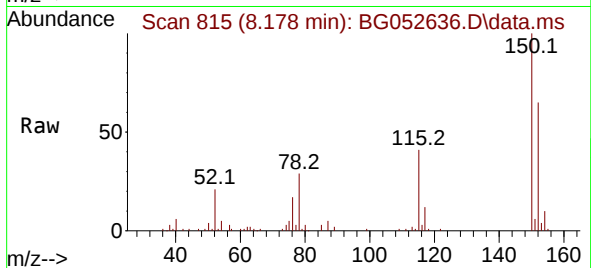




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.178 min Scan# 815
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

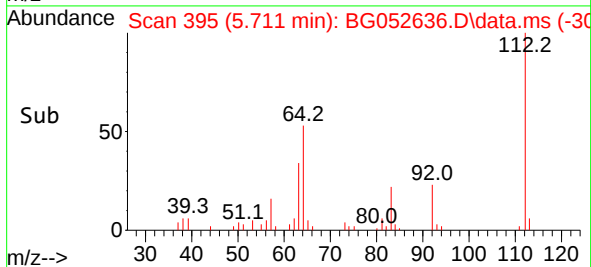
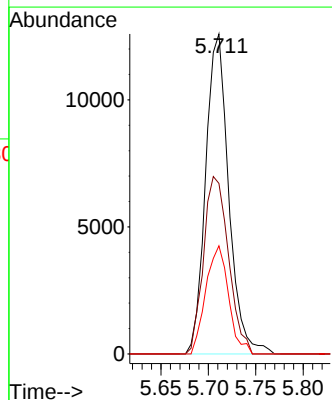
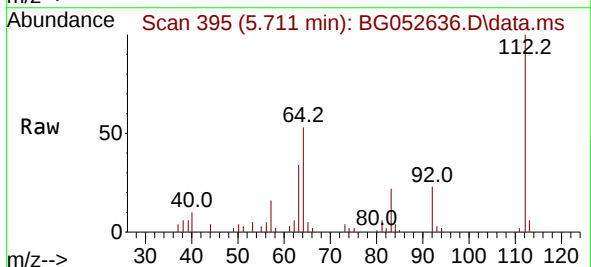
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

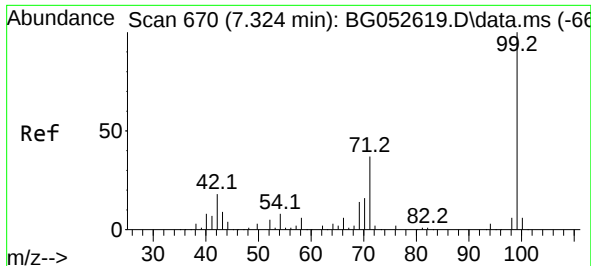
Tgt Ion:152 Resp: 43862
Ion Ratio Lower Upper
152 100
150 153.2 114.6 172.0
115 63.0 45.9 68.9



#5
2-Fluorophenol
Concen: 8.417 ng
RT: 5.711 min Scan# 395
Delta R.T. 0.008 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion:112 Resp: 21370
Ion Ratio Lower Upper
112 100
64 53.3 48.0 72.0
63 33.8 26.5 39.7

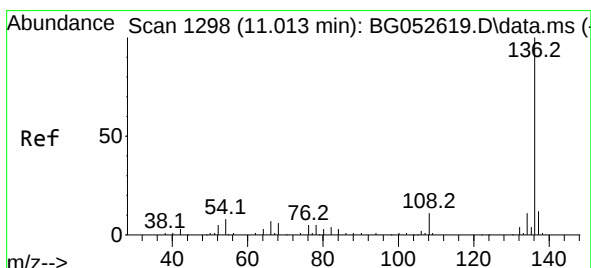
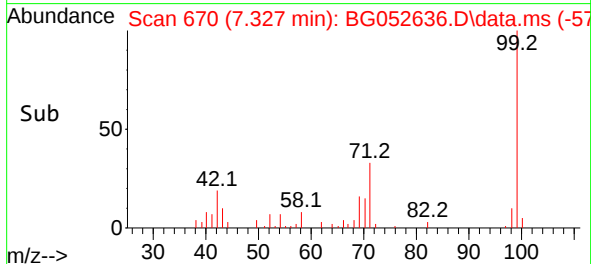
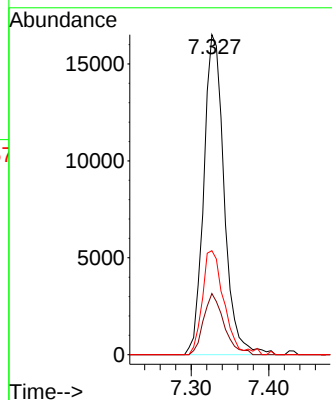
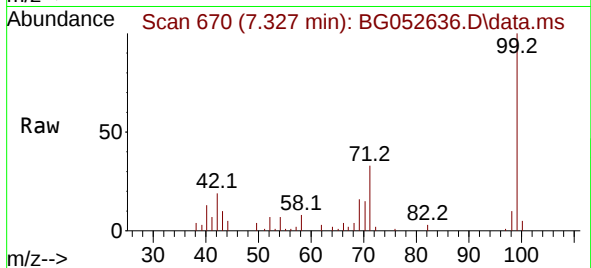




#7
Phenol-d6
Concen: 8.189 ng
RT: 7.327 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

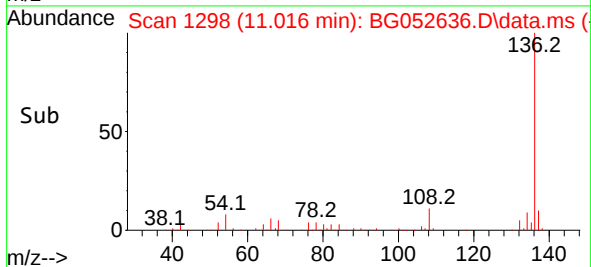
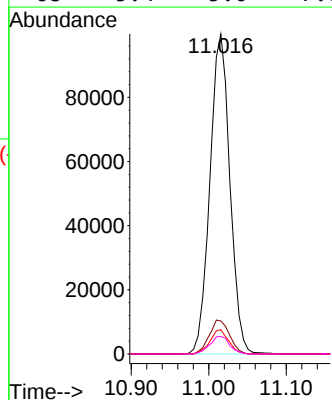
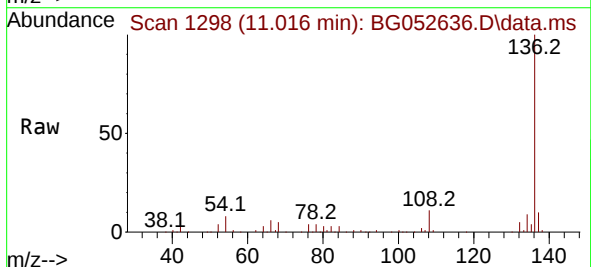
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

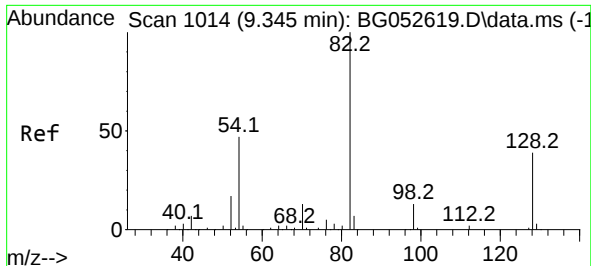
Tgt Ion: 99 Resp: 30093
Ion Ratio Lower Upper
99 100
42 19.1 14.7 22.1
71 32.5 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.016 min Scan# 1298
Delta R.T. 0.003 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion: 136 Resp: 178989
Ion Ratio Lower Upper
136 100
137 10.3 9.4 14.2
54 7.6 6.4 9.6
68 5.4 5.0 7.6

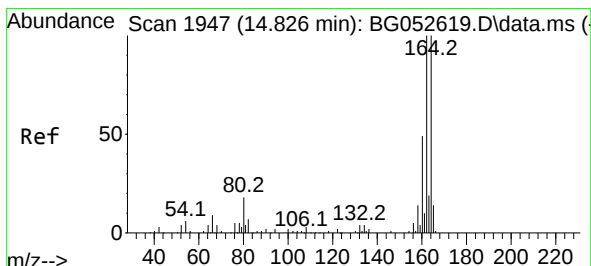
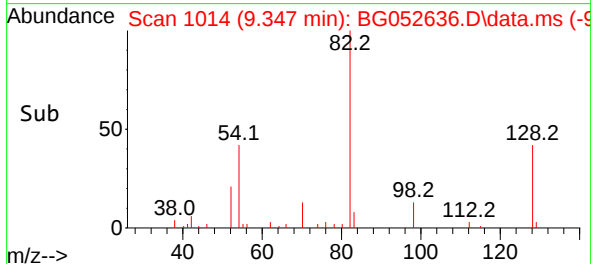
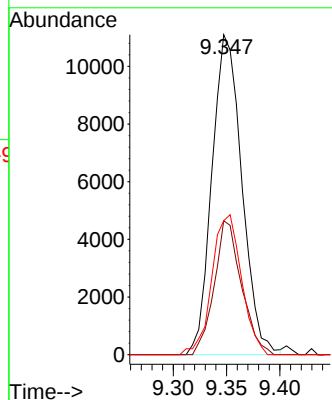
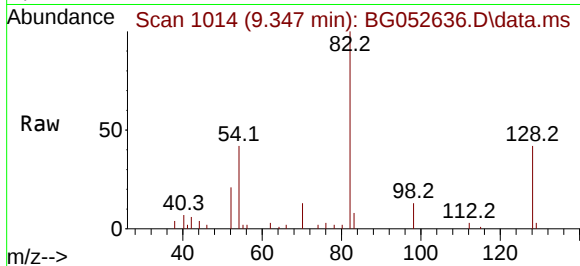




#23
Nitrobenzene-d5
Concen: 5.484 ng
RT: 9.347 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

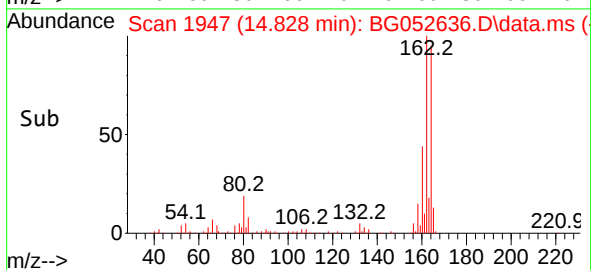
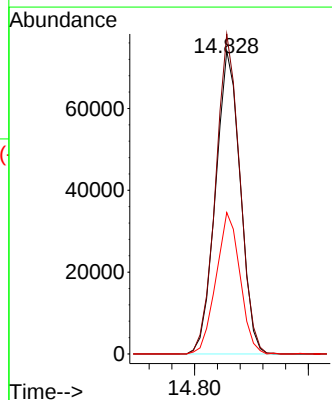
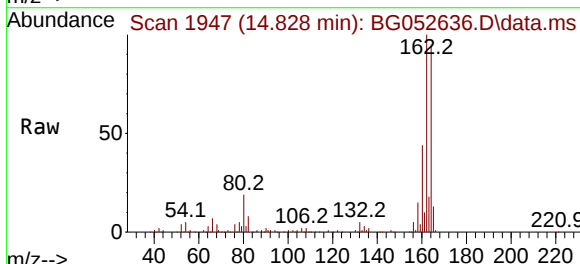
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

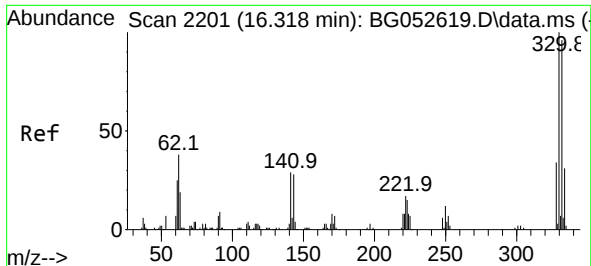
Tgt Ion: 82	Resp: 21652
Ion Ratio	Lower Upper
82 100	
128 41.8	31.3 46.9
54 41.8	37.8 56.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.828 min Scan# 1947
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

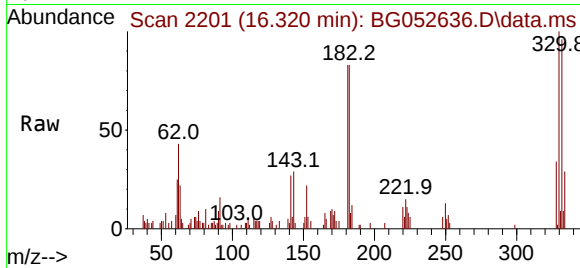
Tgt Ion:164	Resp:	111415	
Ion	Ratio	Lower	Upper
164	100		
162	105.6	80.0	120.0
160	46.6	38.8	58.2



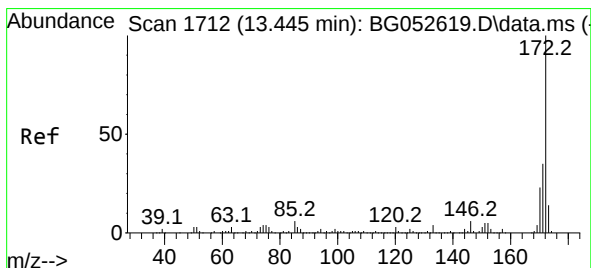
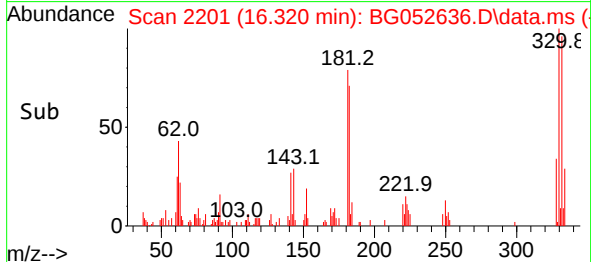
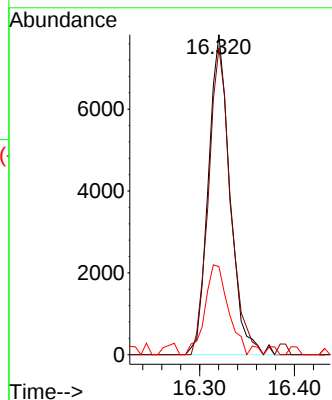


#42
 2,4,6-Tribromophenol
 Concen: 7.860 ng
 RT: 16.320 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20

Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5

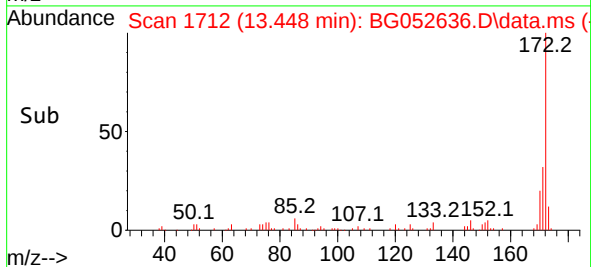
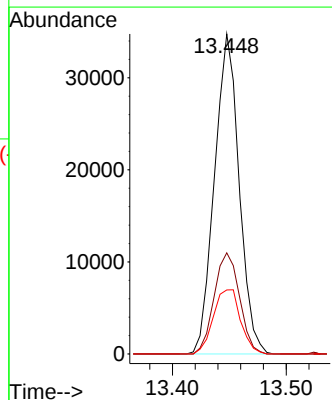
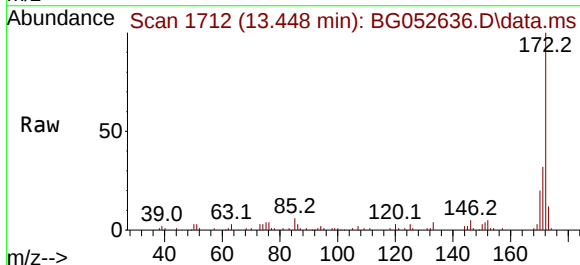


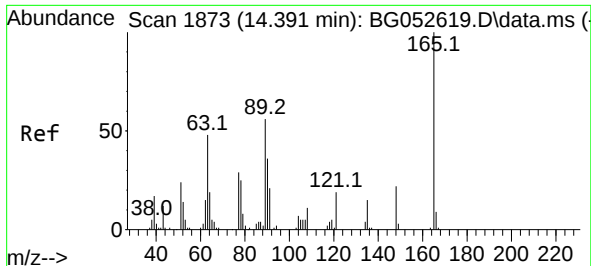
Tgt Ion: 330 Resp: 12420
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.8 113.6
 141 31.2 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 6.335 ng
 RT: 13.448 min Scan# 1712
 Delta R.T. 0.003 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20

Tgt Ion: 172 Resp: 52289
 Ion Ratio Lower Upper
 172 100
 171 31.6 28.3 42.5
 170 20.0 18.0 27.0





#51

2,6-Dinitrotoluene

Concen: 8.685 ng

RT: 14.828 min Scan# 1947

Delta R.T. 0.437 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

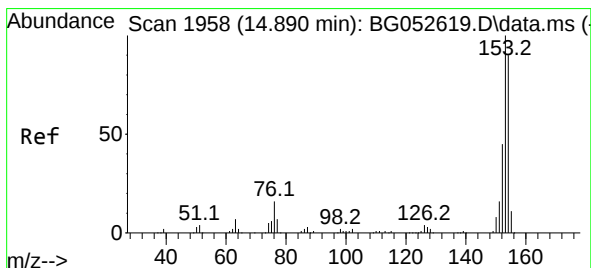
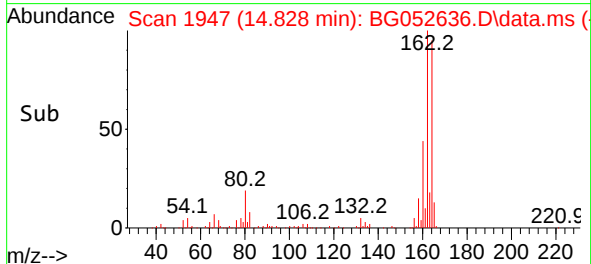
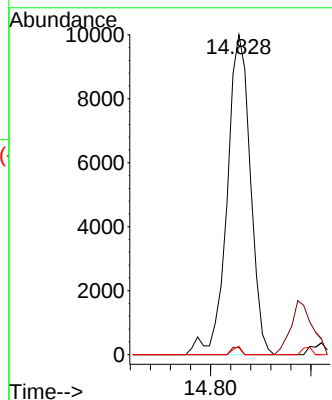
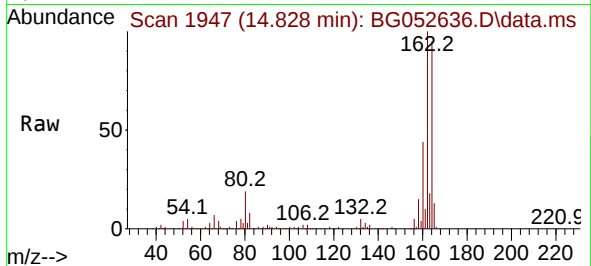
Tgt Ion:165 Resp: 16066

Ion Ratio Lower Upper

165 100

63 2.3 43.7 65.5#

89 2.6 45.0 67.4#



#52

Acenaphthene

Concen: 4.681 ng

RT: 14.893 min Scan# 1958

Delta R.T. 0.002 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

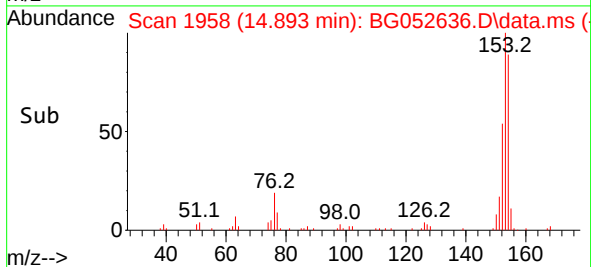
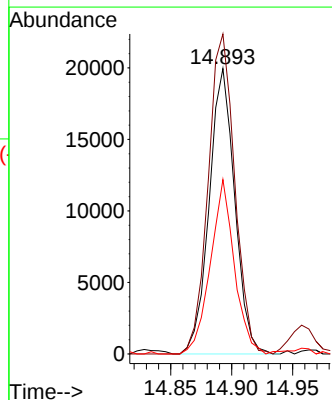
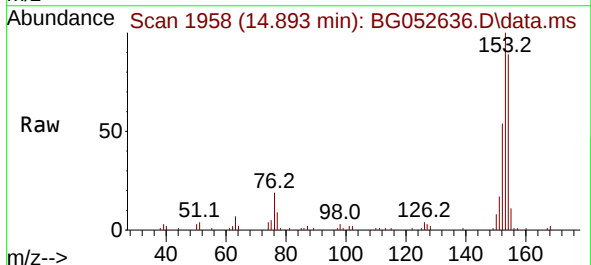
Tgt Ion:154 Resp: 29138

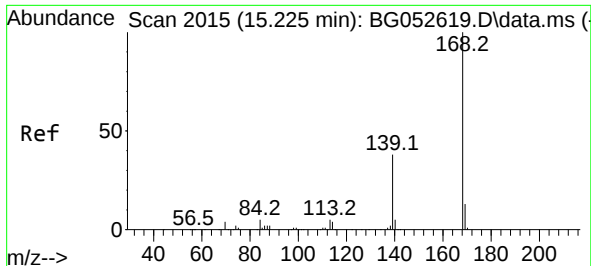
Ion Ratio Lower Upper

154 100

153 112.1 89.0 133.4

152 61.1 40.5 60.7#

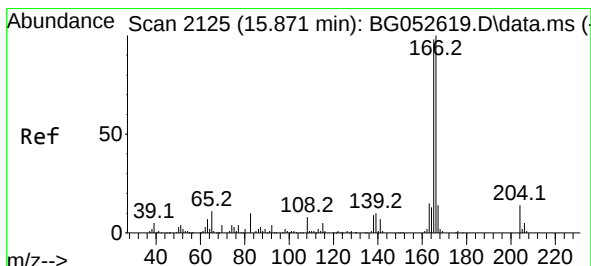
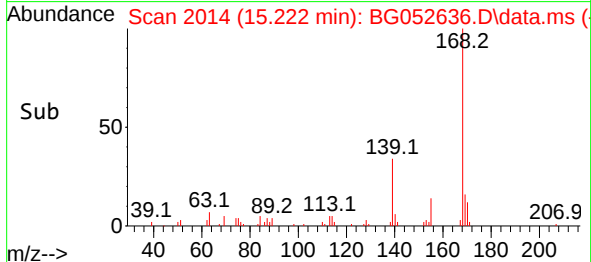
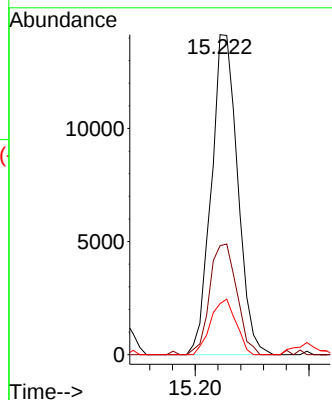
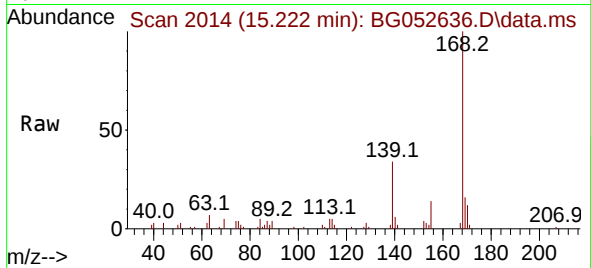




#55
Dibenzenofuran
Concen: 2.154 ng
RT: 15.222 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

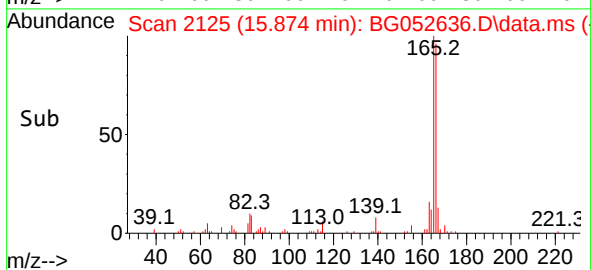
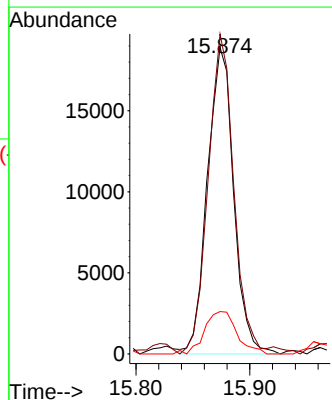
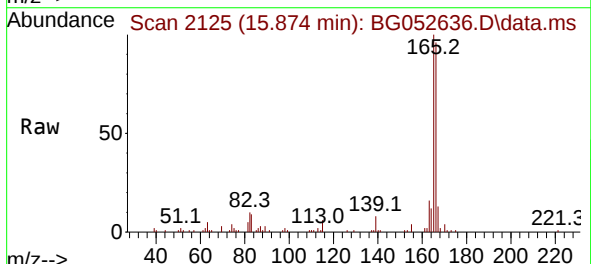
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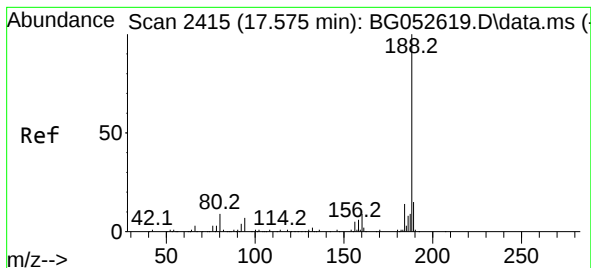
Tgt Ion:168 Resp: 22734
Ion Ratio Lower Upper
168 100
139 34.1 30.2 45.4
169 16.0 10.7 16.1



#58
Fluorene
Concen: 3.533 ng
RT: 15.874 min Scan# 2125
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion:166 Resp: 30289
Ion Ratio Lower Upper
166 100
165 104.4 78.6 117.8
167 13.8 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2415

Delta R.T. 0.002 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

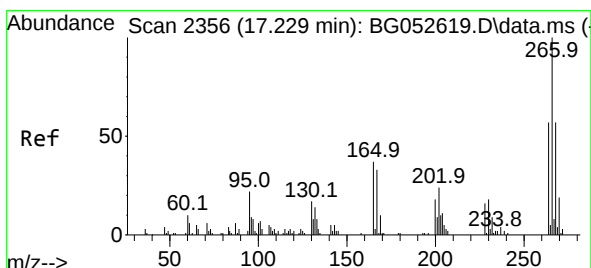
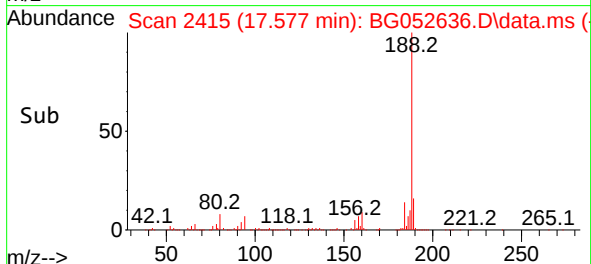
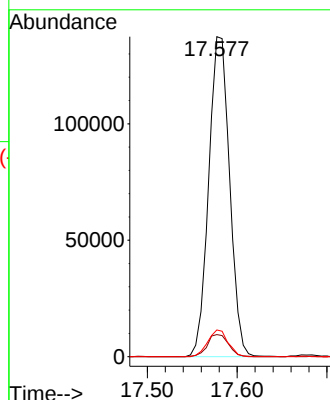
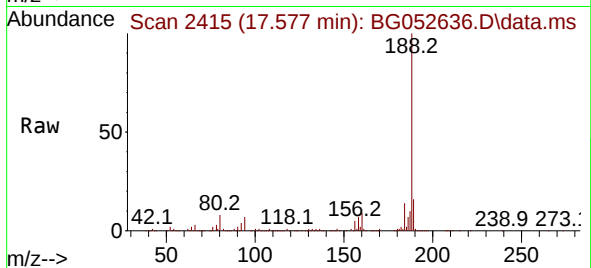
Tgt Ion:188 Resp: 222135

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.4 7.2 10.8



#70

Pentachlorophenol

Concen: 5.783 ng

RT: 16.849 min Scan# 2291

Delta R.T. -0.380 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

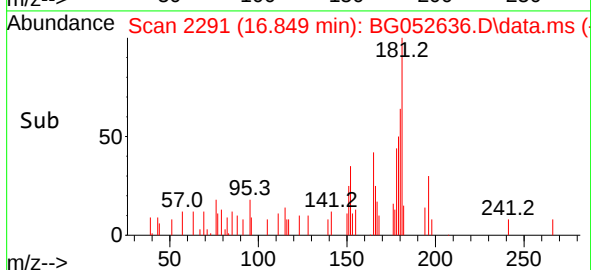
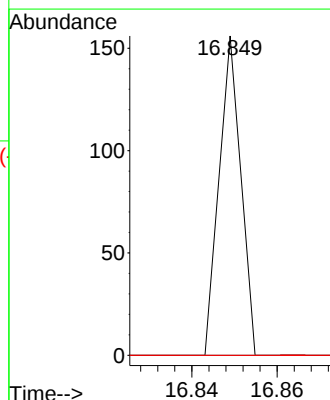
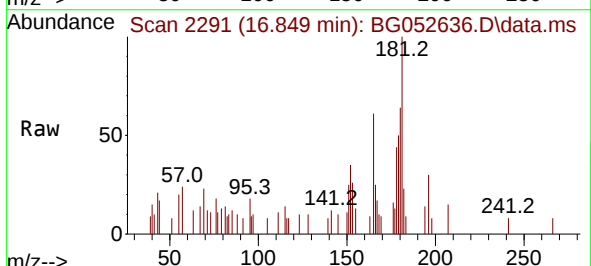
Tgt Ion:266 Resp: 55

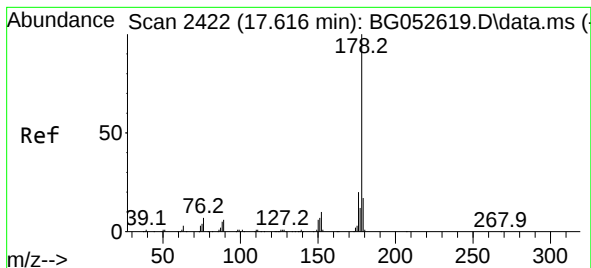
Ion Ratio Lower Upper

266 100

268 0.0 45.9 68.9#

264 0.0 45.3 67.9#





#71

Phenanthrene

Concen: 48.504 ng

RT: 17.624 min Scan# 2422

Delta R.T. 0.008 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

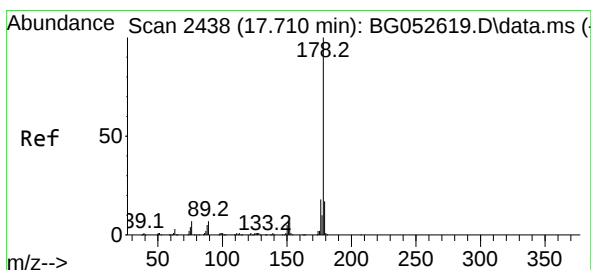
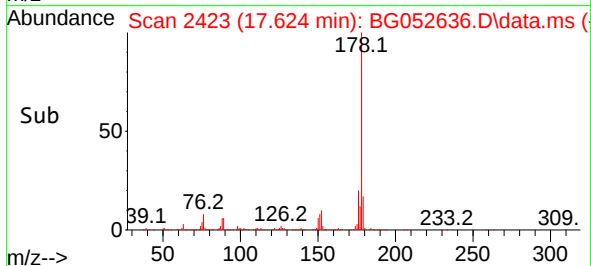
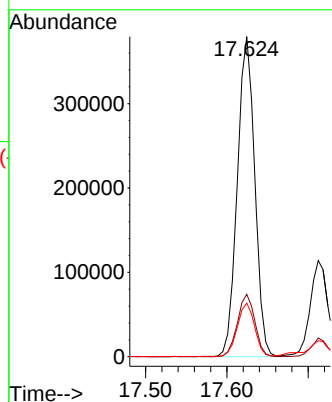
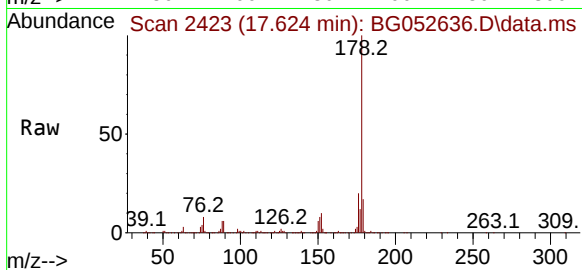
Tgt Ion:178 Resp: 565298

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 16.8 13.4 20.2



#72

Anthracene

Concen: 14.677 ng

RT: 17.712 min Scan# 2438

Delta R.T. 0.002 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

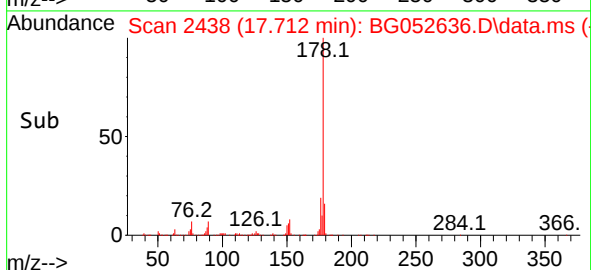
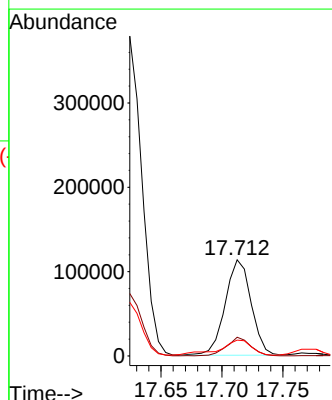
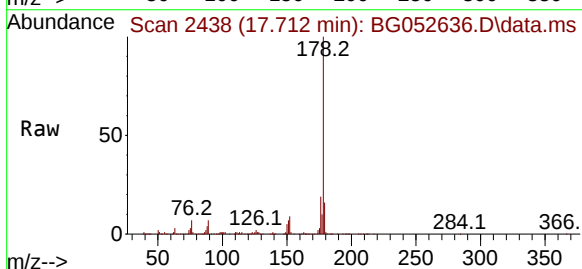
Tgt Ion:178 Resp: 167470

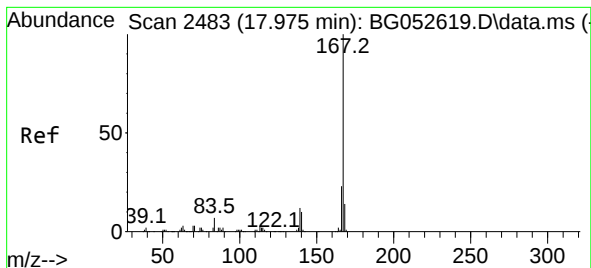
Ion Ratio Lower Upper

178 100

176 19.5 14.7 22.1

179 16.4 13.2 19.8





#73

Carbazole

Concen: 4.207 ng

RT: 17.977 min Scan# 24

Delta R.T. 0.002 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

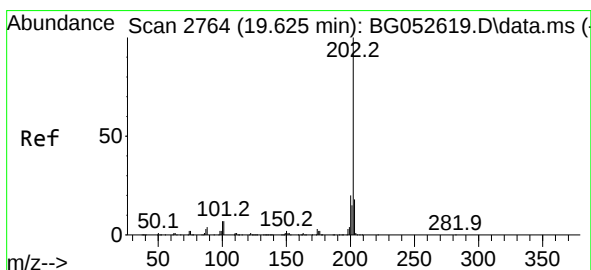
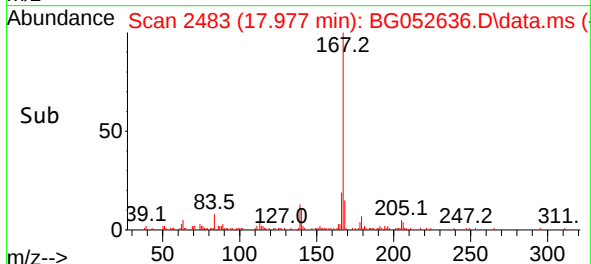
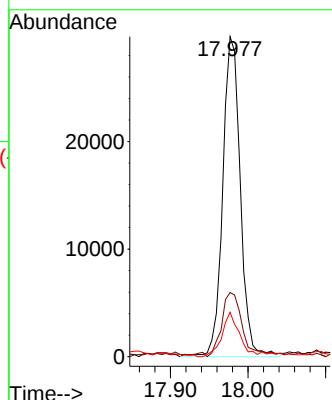
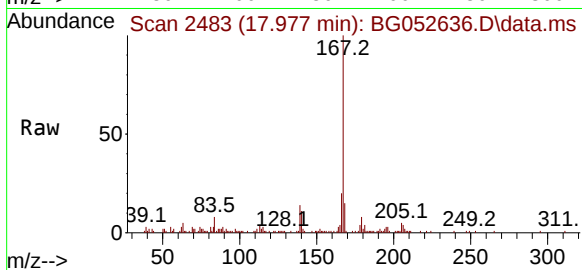
Tgt Ion:167 Resp: 46980

Ion Ratio Lower Upper

167 100

166 20.1 18.5 27.7

139 13.8 10.0 15.0



#75

Fluoranthene

Concen: 90.557 ng

RT: 19.633 min Scan# 2765

Delta R.T. 0.008 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

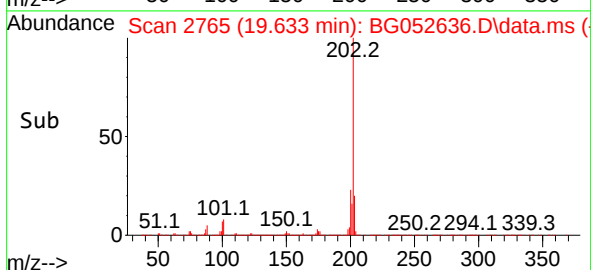
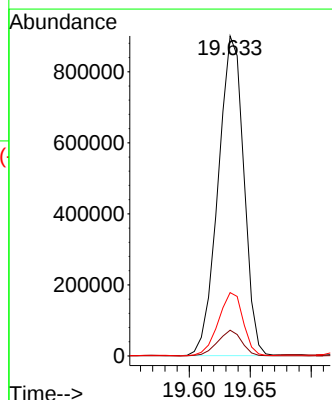
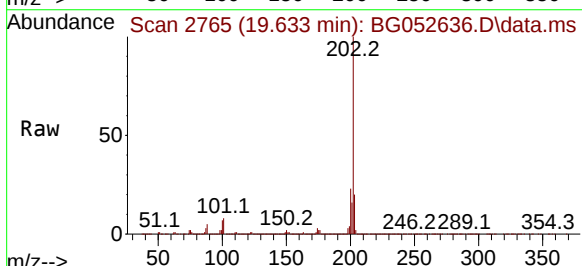
Tgt Ion:202 Resp: 1317823

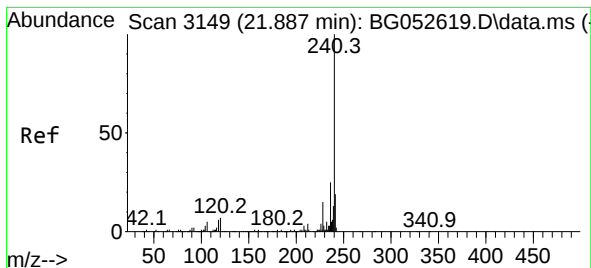
Ion Ratio Lower Upper

202 100

101 8.1 0.0 27.3

203 19.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.895 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

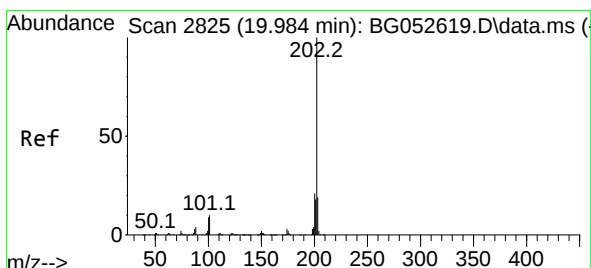
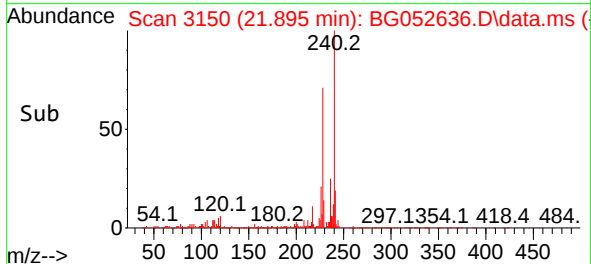
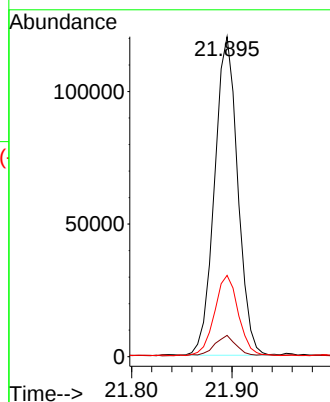
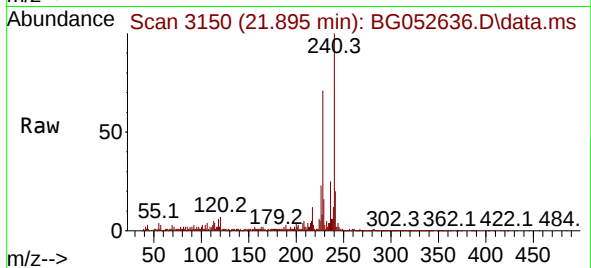
Tgt Ion:240 Resp: 192815

Ion Ratio Lower Upper

240 100

120 6.6 5.4 8.0

236 25.4 19.8 29.6



#78

Pyrene

Concen: 94.983 ng

RT: 19.998 min Scan# 2827

Delta R.T. 0.014 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

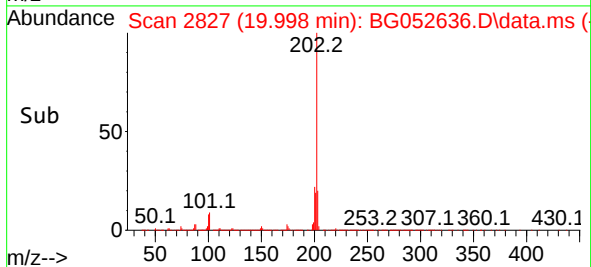
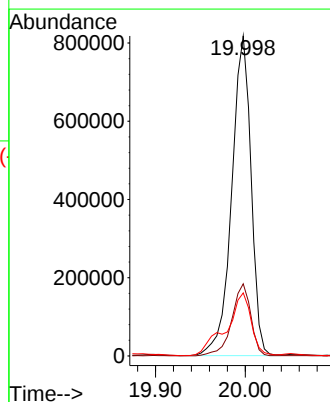
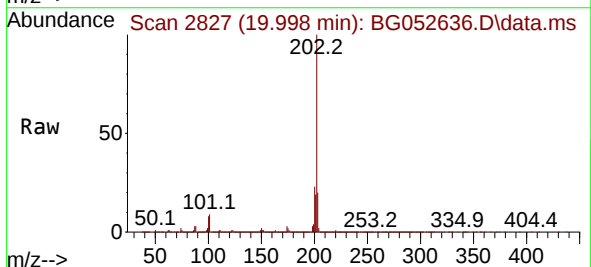
Tgt Ion:202 Resp: 1224144

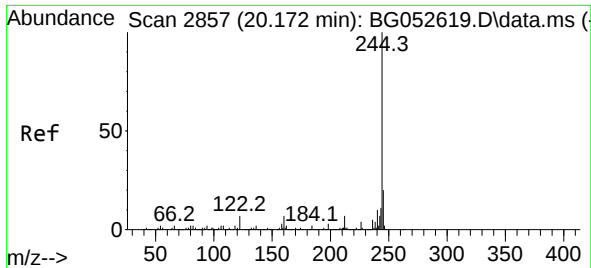
Ion Ratio Lower Upper

202 100

200 22.5 17.0 25.6

203 19.7 15.0 22.6

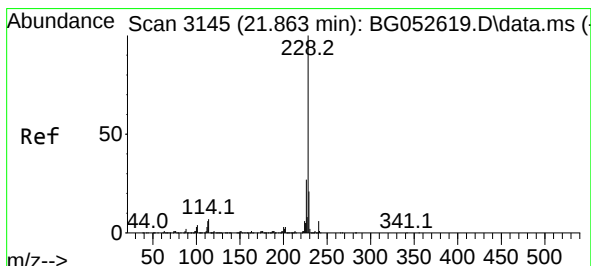
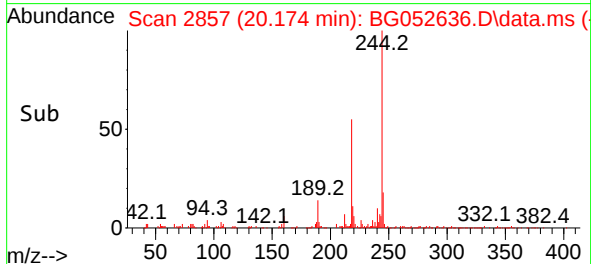
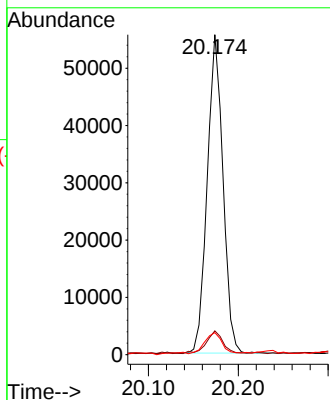
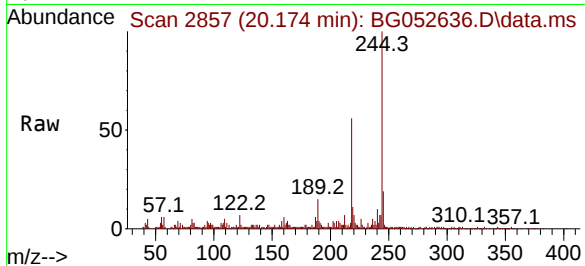




#79
 Terphenyl-d14
 Concen: 6.192 ng
 RT: 20.174 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20

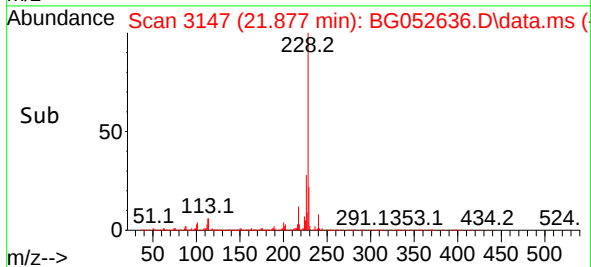
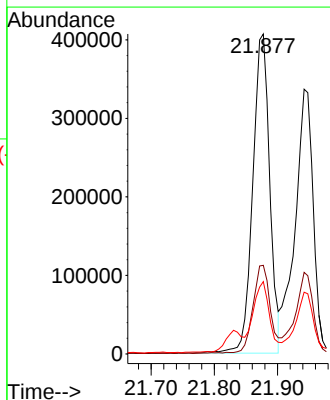
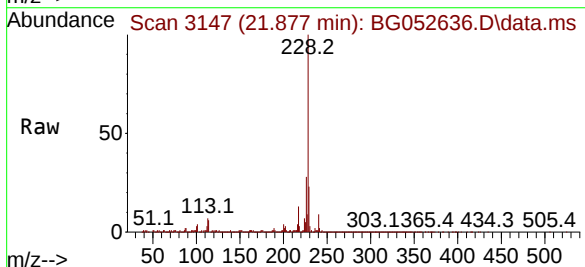
Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5

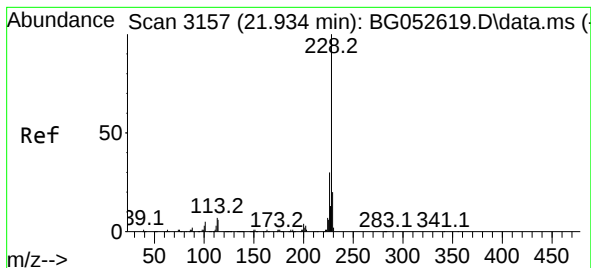
Tgt Ion:244 Resp: 67466
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 6.9 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 58.715 ng
 RT: 21.877 min Scan# 3147
 Delta R.T. 0.014 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20

Tgt Ion:228 Resp: 758505
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 22.6 16.7 25.1





#83

Chrysene

Concen: 54.016 ng

RT: 21.942 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

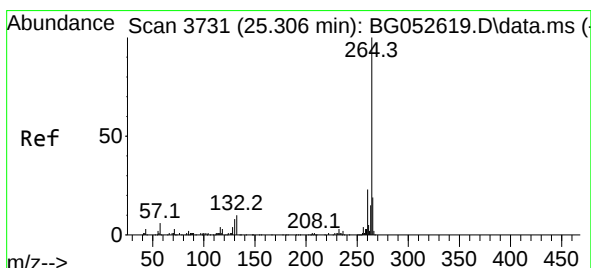
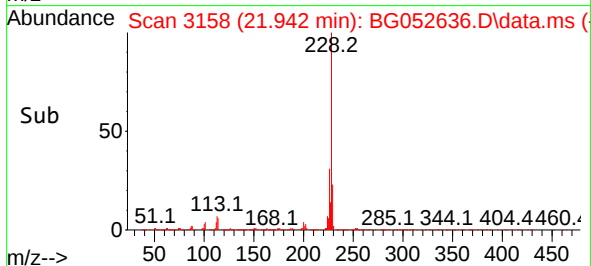
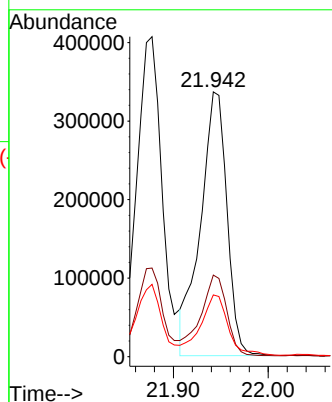
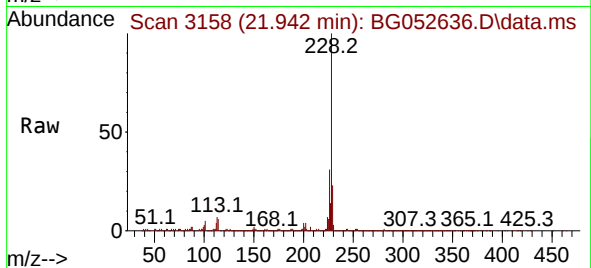
Tgt Ion:228 Resp: 652444

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.4

229 23.3 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.332 min Scan# 3735

Delta R.T. 0.026 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

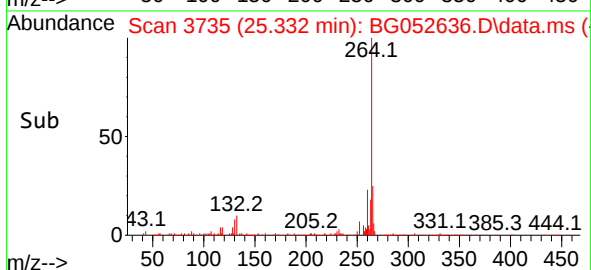
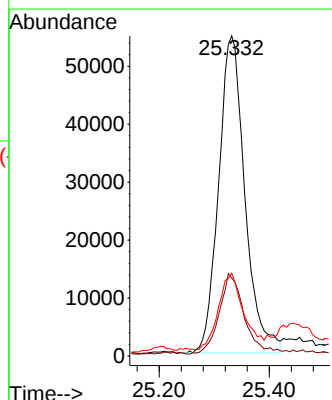
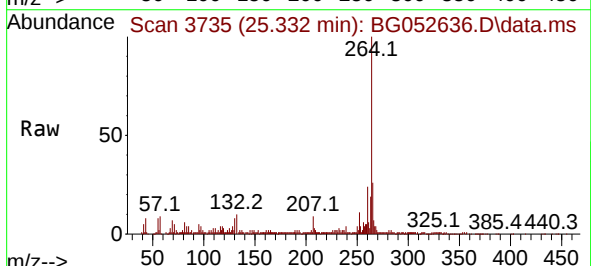
Tgt Ion:264 Resp: 181340

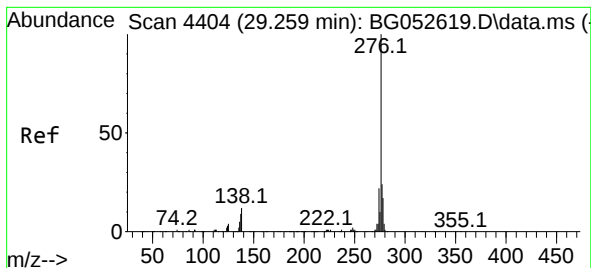
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 25.9 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.112 ng

RT: 29.279 min Scan# 4404

Delta R.T. 0.020 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

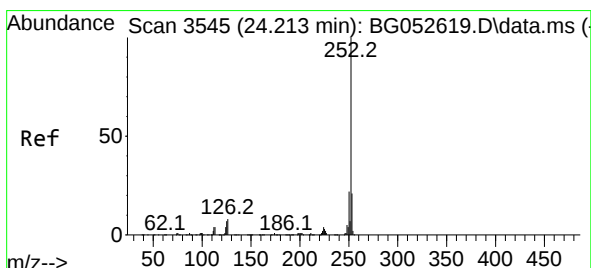
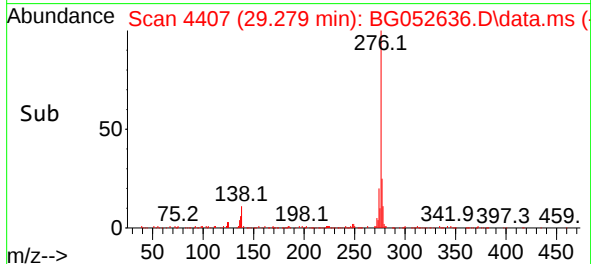
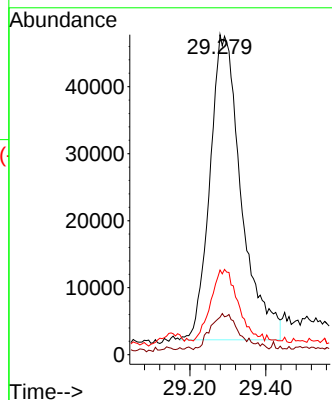
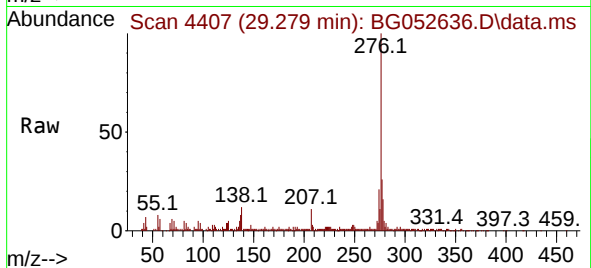
Tgt Ion:276 Resp: 261358

Ion Ratio Lower Upper

276 100

138 11.1 8.7 13.1

277 20.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 80.292 ng

RT: 24.245 min Scan# 3550

Delta R.T. 0.032 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

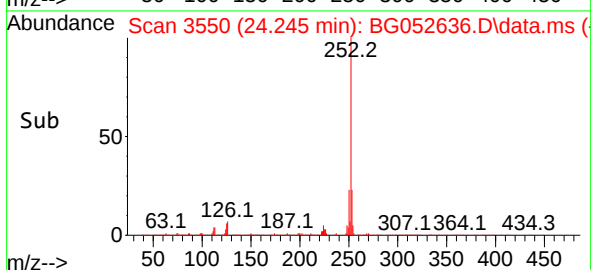
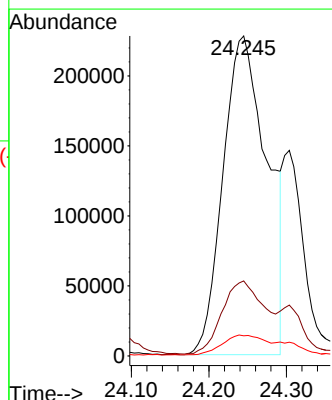
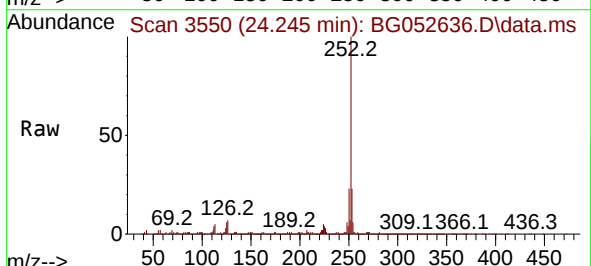
Tgt Ion:252 Resp: 898968

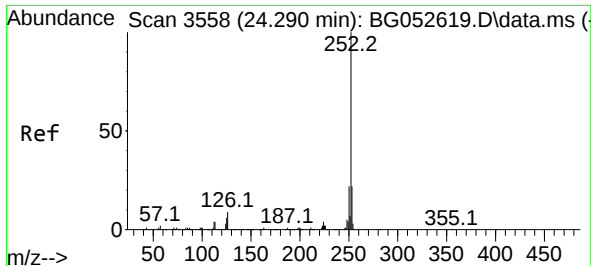
Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 6.3 5.2 7.8

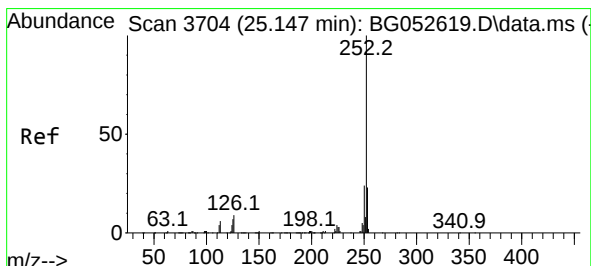
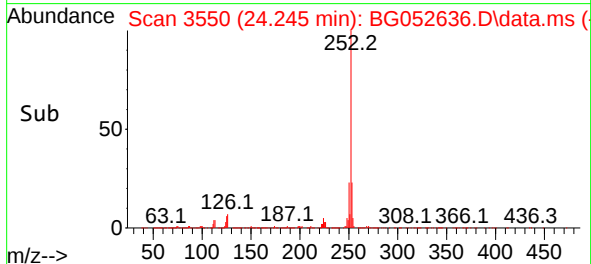
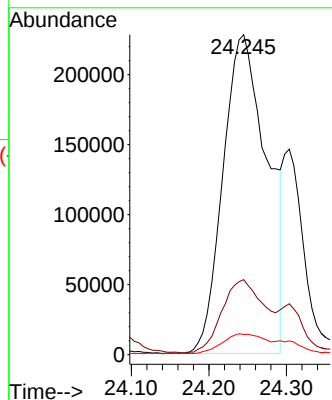
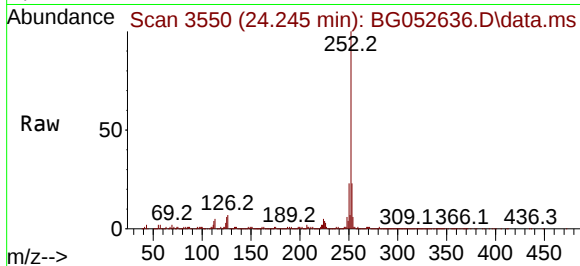




#89
Benzo(k)fluoranthene
Concen: 79.839 ng
RT: 24.245 min Scan# 31
Delta R.T. -0.045 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

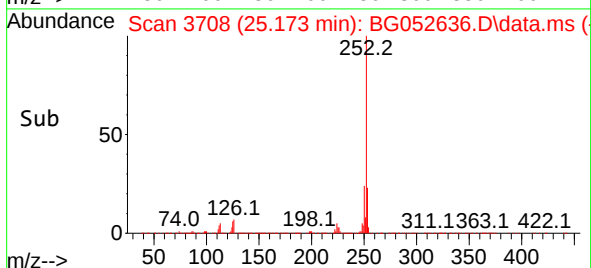
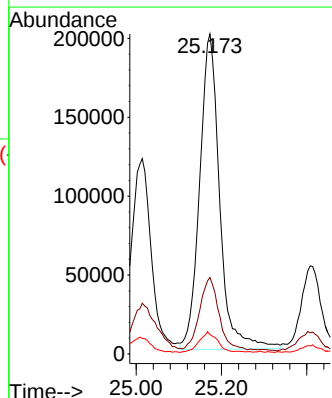
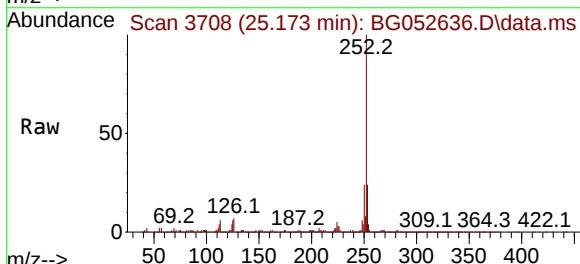
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

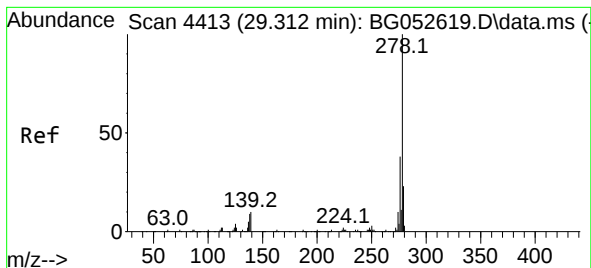
Tgt Ion:252 Resp: 898968
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 6.3 5.0 7.4



#90
Benzo(a)pyrene
Concen: 68.700 ng
RT: 25.173 min Scan# 3708
Delta R.T. 0.026 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion:252 Resp: 650804
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 6.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 5.422 ng

RT: 29.338 min Scan# 4413

Delta R.T. 0.026 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

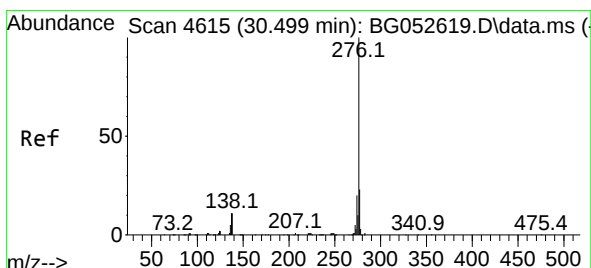
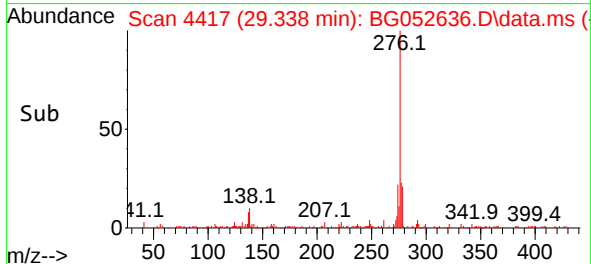
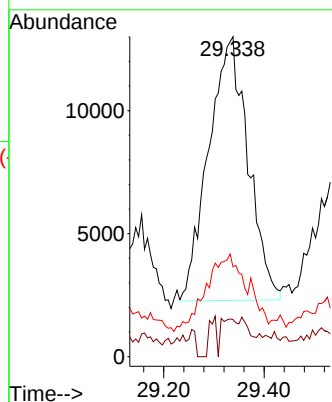
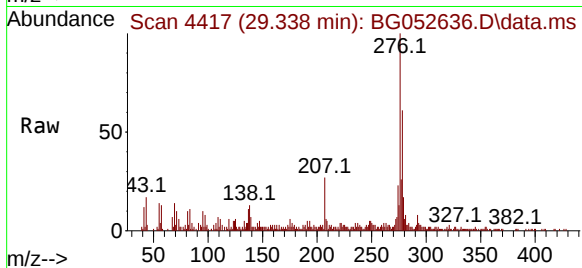
Tgt Ion:278 Resp: 58468

Ion Ratio Lower Upper

278 100

139 11.6 7.8 11.6

279 28.1 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 22.090 ng

RT: 30.530 min Scan# 4620

Delta R.T. 0.032 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Tgt Ion:276 Resp: 232504

Ion Ratio Lower Upper

276 100

277 24.7 18.2 27.2

138 11.3 9.1 13.7

