

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
 Data File : BG052652.D
 Acq On : 11 Mar 2022 18:15
 Operator : CG/JU
 Sample : N1848-02DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL

Quant Time: Mar 12 06:16:53 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)

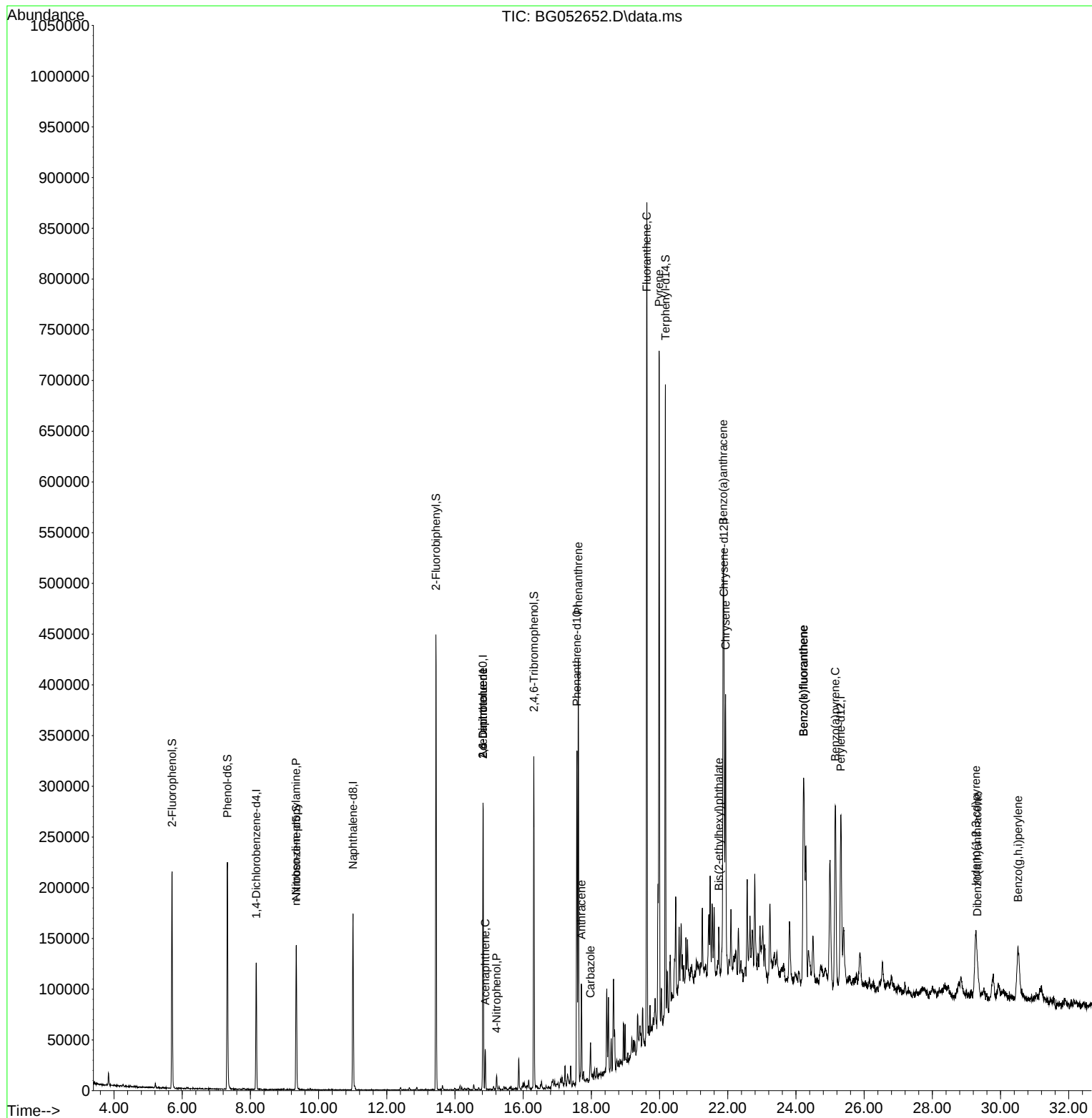
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.170	152	38352	20.000	ng	0.00
21) Naphthalene-d8	11.008	136	154984	20.000	ng	0.00
39) Acenaphthene-d10	14.820	164	104762	20.000	ng	0.00
64) Phenanthrene-d10	17.575	188	213152	20.000	ng	0.00
76) Chrysene-d12	21.887	240	174889	20.000	ng	0.00
86) Perylene-d12	25.312	264	187907	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	99536	44.835	ng	0.00
7) Phenol-d6	7.324	99	143616	44.698	ng	0.00
23) Nitrobenzene-d5	9.345	82	97912	28.639	ng	0.00
42) 2,4,6-Tribromophenol	16.312	330	66194	44.551	ng	0.00
45) 2-Fluorobiphenyl	13.440	172	243643	31.391	ng	0.00
79) Terphenyl-d14	20.172	244	324782	32.862	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.339	70	13117	6.033	ng	# 76
51) 2,6-Dinitrotoluene	14.820	165	14314	8.230	ng	# 27
52) Acenaphthene	14.885	154	15413	2.634	ng	96
56) 4-Nitrophenol	15.214	139	3290	2.635	ng	# 1
57) 2,4-Dinitrotoluene	14.820	165	14314	5.847	ng	# 25
71) Phenanthrene	17.616	178	256408	22.928	ng	98
72) Anthracene	17.704	178	67836	6.196	ng	99
73) Carbazole	17.975	167	21983	2.051	ng	# 95
75) Fluoranthene	19.625	202	525112	37.605	ng	99
78) Pyrene	19.984	202	467038	39.952	ng	99
81) Benzo(a)anthracene	21.863	228	243823	20.809	ng	99
83) Chrysene	21.934	228	216078	19.723	ng	98
84) Bis(2-ethylhexyl)phtha...	21.740	149	12727	2.142	ng	96
87) Indeno(1,2,3-cd)pyrene	29.277	276	140211	10.412	ng	# 94
88) Benzo(b)fluoranthene	24.219	252	291231	25.103	ng	97
89) Benzo(k)fluoranthene	24.219	252	291231	24.961	ng	97
90) Benzo(a)pyrene	25.153	252	228587	23.287	ng	99
91) Dibenzo(a,h)anthracene	29.318	278	34540	3.091	ng	# 85
92) Benzo(g,h,i)perylene	30.511	276	136283	12.495	ng	98

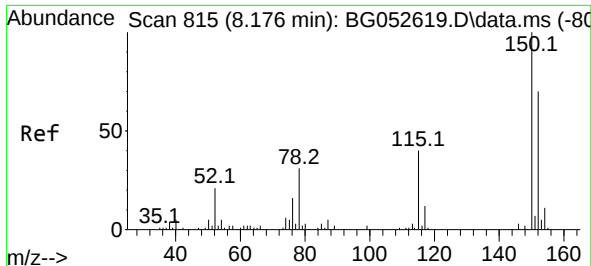
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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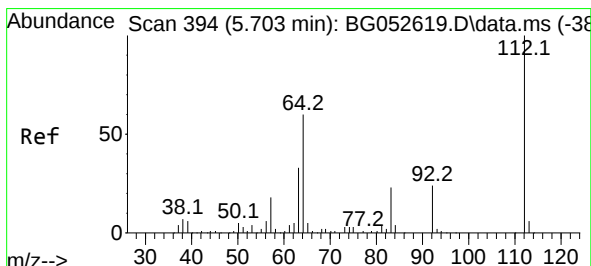
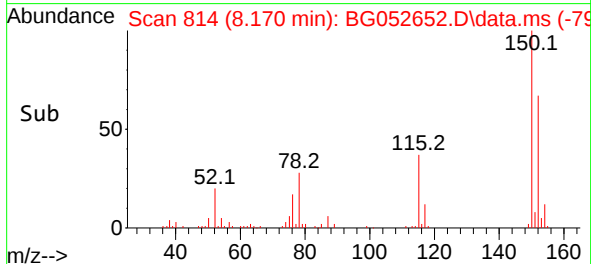
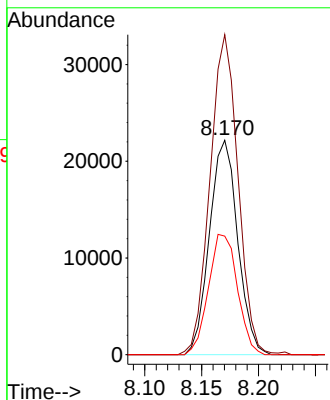
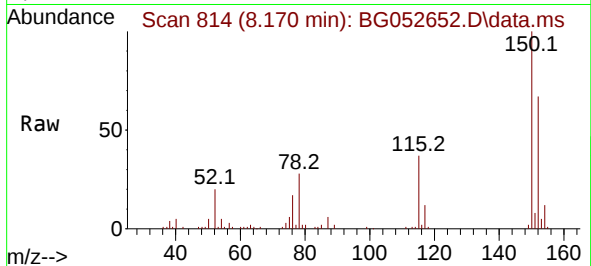




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 815
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

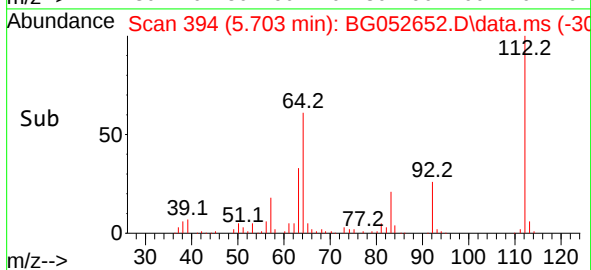
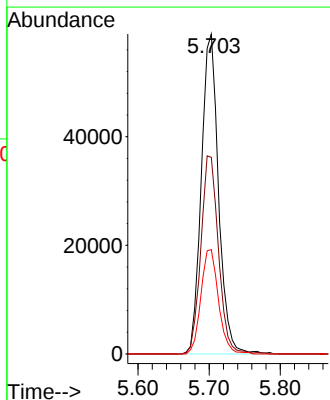
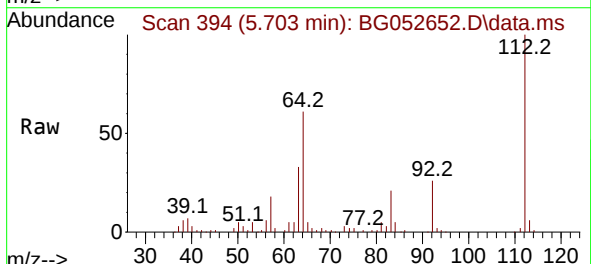
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

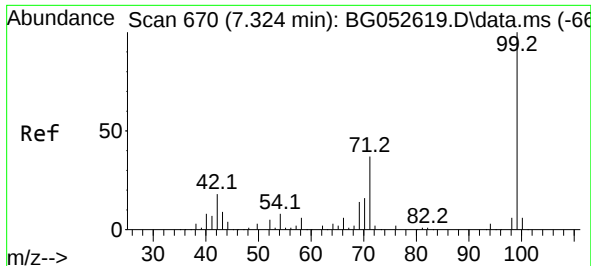
Tgt Ion:152 Resp: 38352
Ion Ratio Lower Upper
152 100
150 149.3 114.6 172.0
115 55.3 45.9 68.9



#5
2-Fluorophenol
Concen: 44.835 ng
RT: 5.703 min Scan# 394
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:112 Resp: 99536
Ion Ratio Lower Upper
112 100
64 61.4 48.0 72.0
63 32.6 26.5 39.7

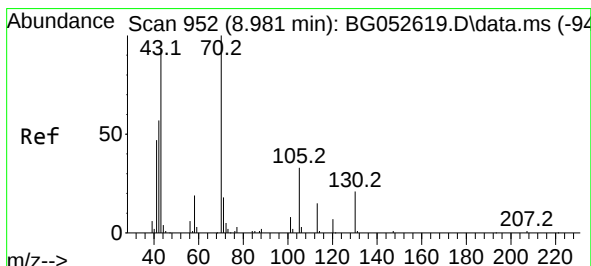
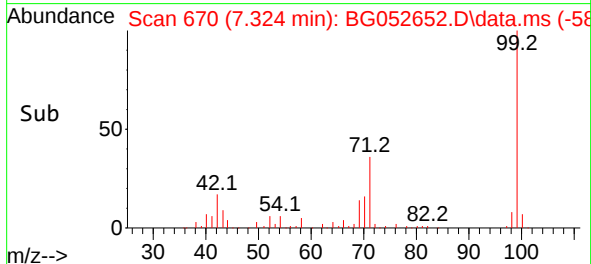
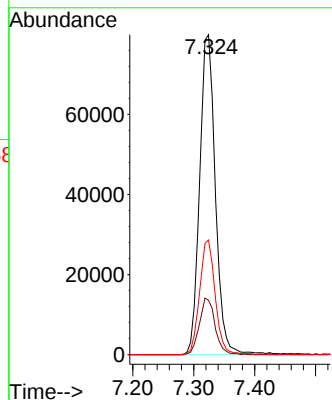
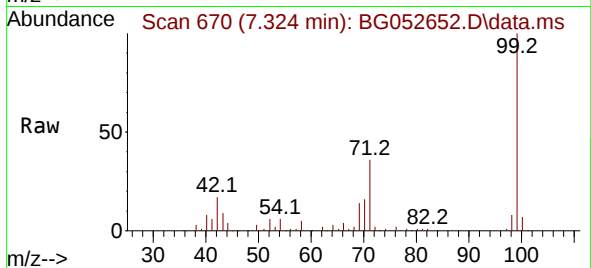




#7
Phenol-d6
Concen: 44.698 ng
RT: 7.324 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

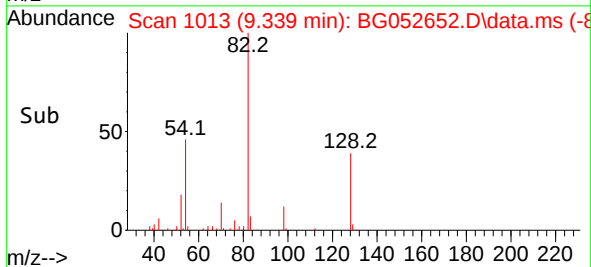
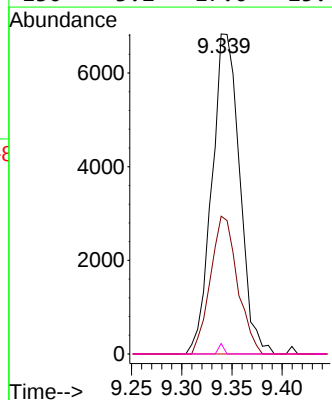
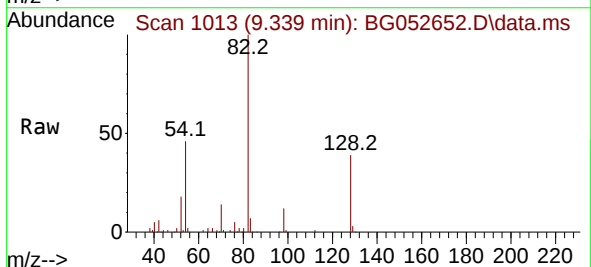
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

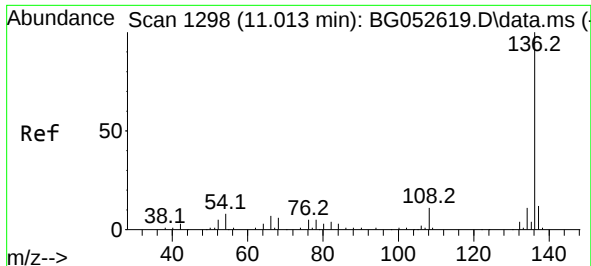
Tgt Ion: 99 Resp: 143616
Ion Ratio Lower Upper
99 100
42 17.0 14.7 22.1
71 35.8 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.033 ng
RT: 9.339 min Scan# 1013
Delta R.T. 0.358 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion: 70 Resp: 13117
Ion Ratio Lower Upper
70 100
42 43.1 46.0 69.0#
101 0.0 6.2 9.4#
130 3.2 17.0 25.4#

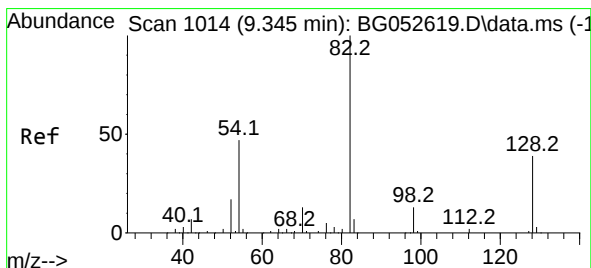
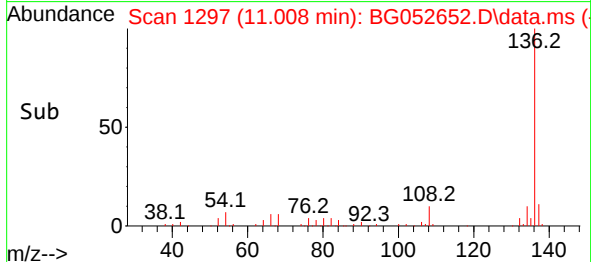
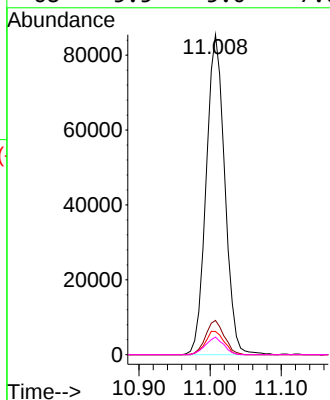
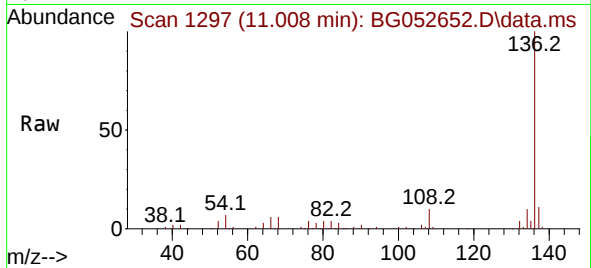




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.008 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

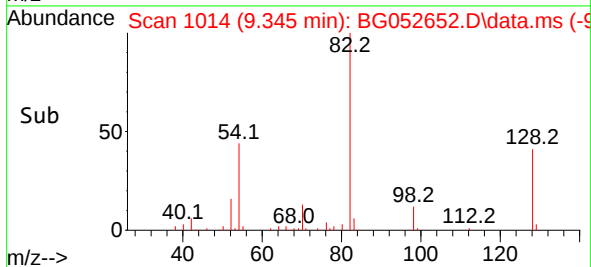
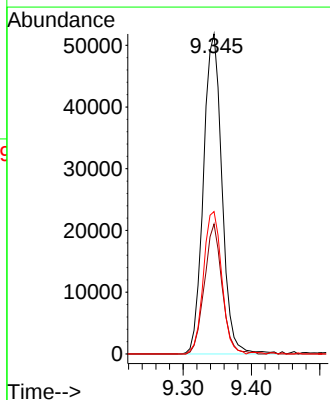
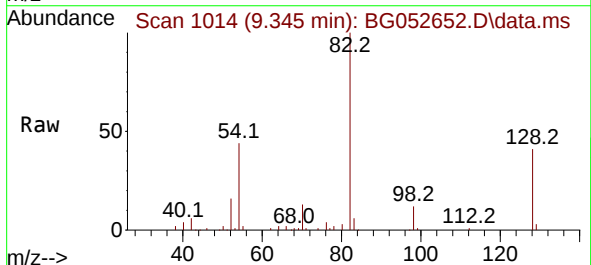
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

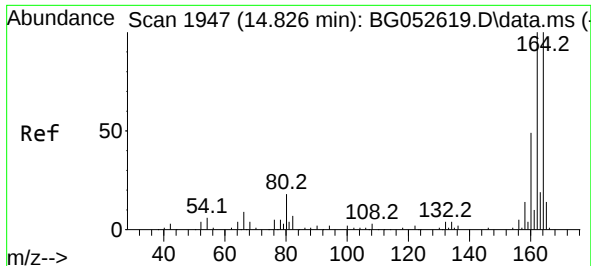
Tgt Ion:	136	Resp:	154984
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.4	14.2
54	7.2	6.4	9.6
68	5.5	5.0	7.6



#23
Nitrobenzene-d5
Concen: 28.639 ng
RT: 9.345 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:	82	Resp:	97912
Ion Ratio	Lower	Upper	
82	100		
128	40.6	31.3	46.9
54	44.5	37.8	56.8

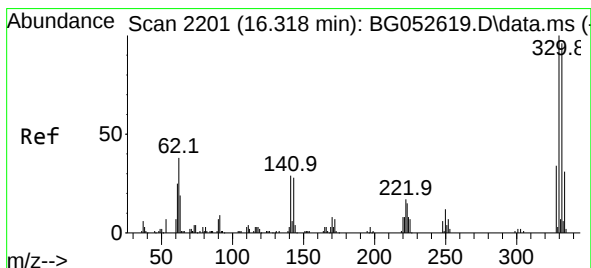
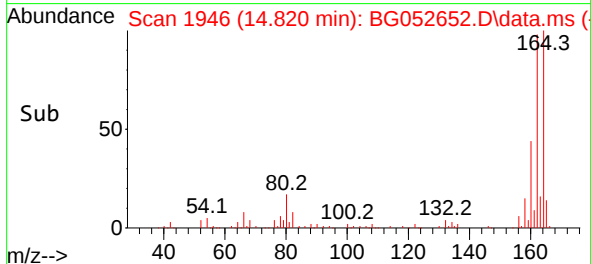
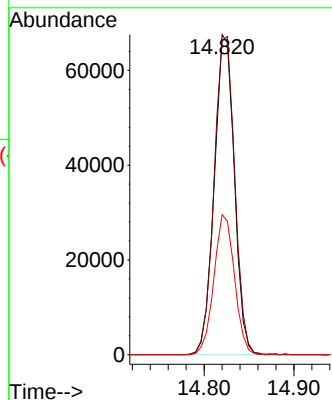
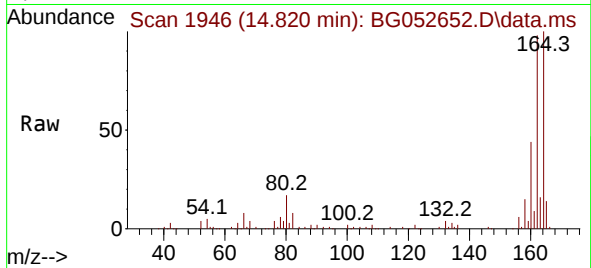




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.820 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

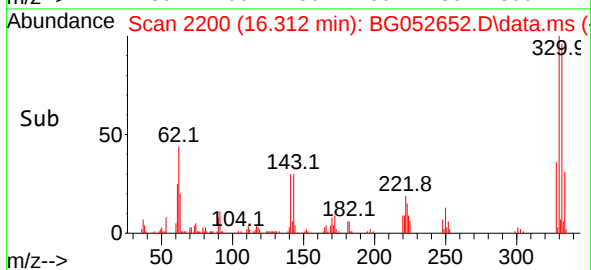
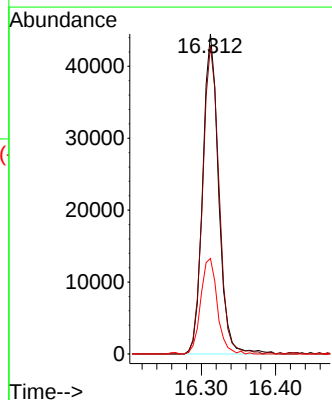
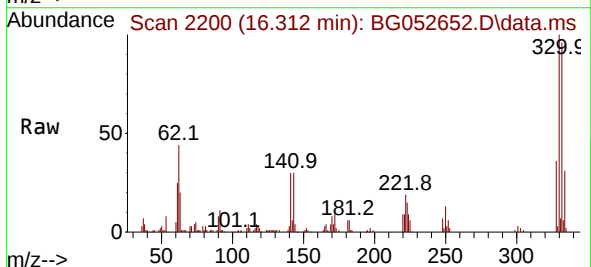
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

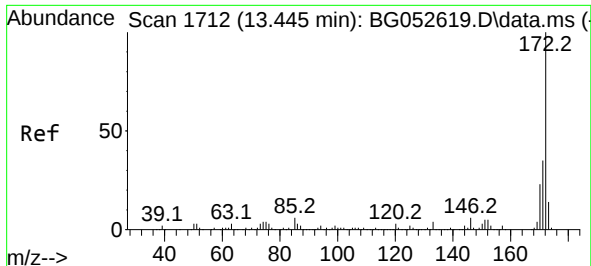
Tgt Ion:164 Resp: 104762
Ion Ratio Lower Upper
164 100
162 98.3 80.0 120.0
160 43.8 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 44.551 ng
RT: 16.312 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:330 Resp: 66194
Ion Ratio Lower Upper
330 100
332 98.7 75.8 113.6
141 31.1 24.6 36.8

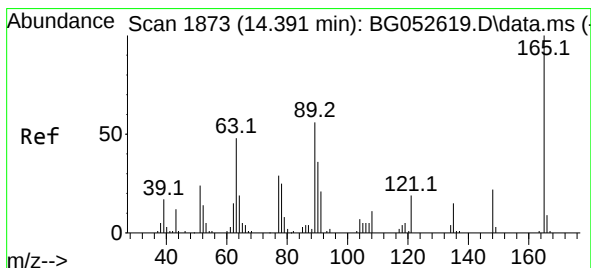
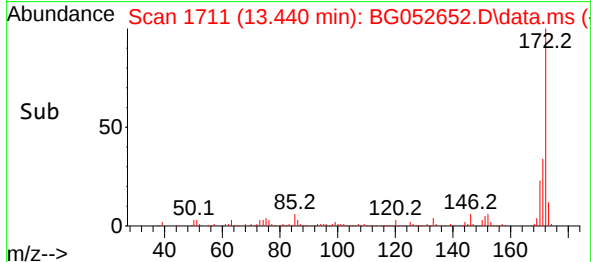
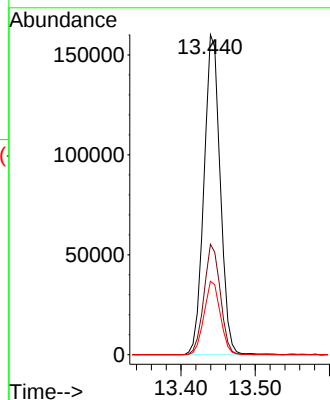
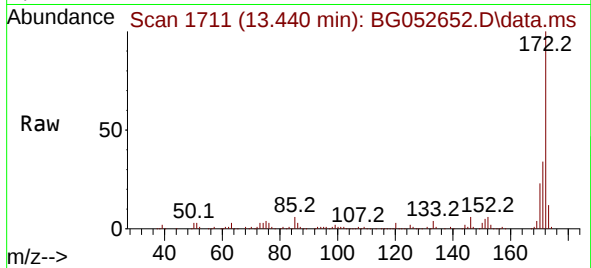




#45
2-Fluorobiphenyl
Concen: 31.391 ng
RT: 13.440 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

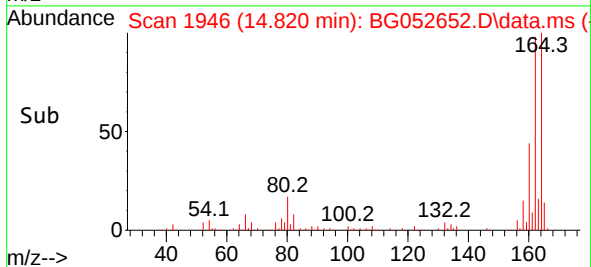
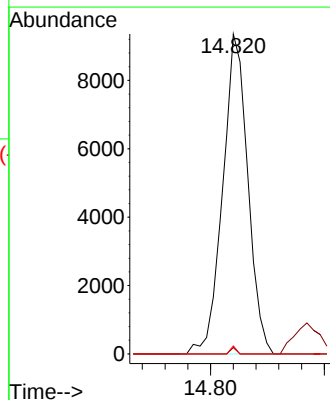
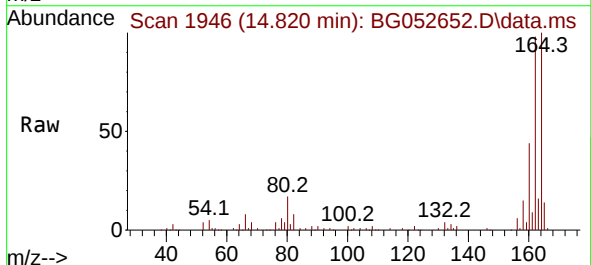
Instrument :
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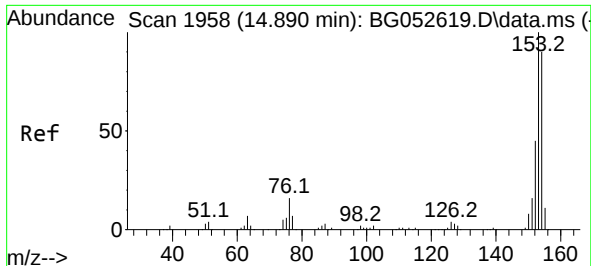
Tgt Ion:172 Resp: 243643
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.0 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.230 ng
RT: 14.820 min Scan# 1946
Delta R.T. 0.429 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:165 Resp: 14314
Ion Ratio Lower Upper
165 100
63 2.0 43.7 65.5#
89 2.5 45.0 67.4#

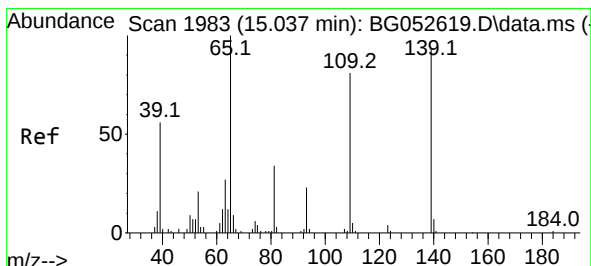
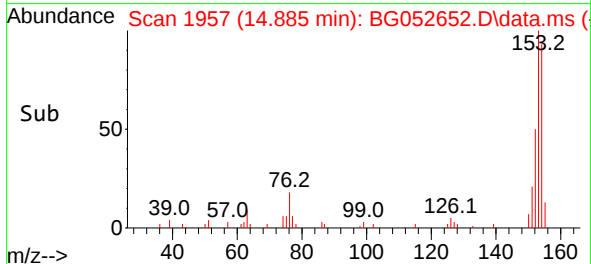
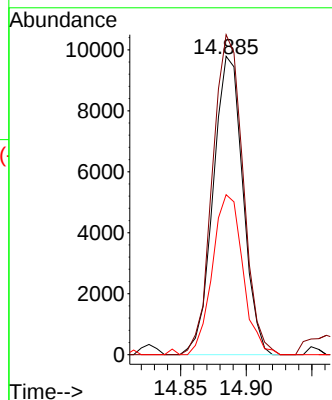
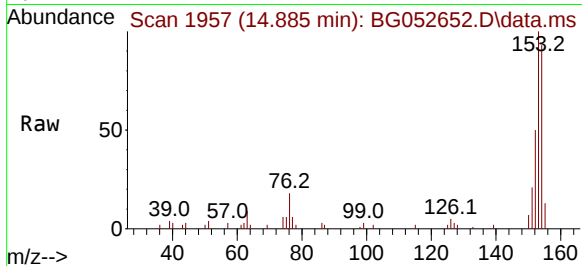




#52
Acenaphthene
Concen: 2.634 ng
RT: 14.885 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

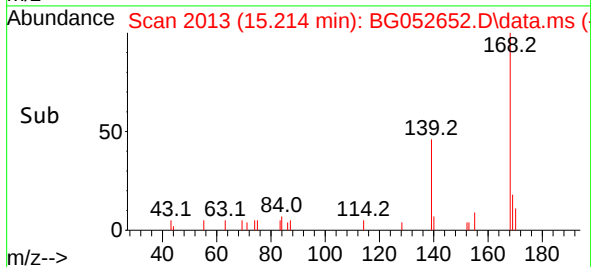
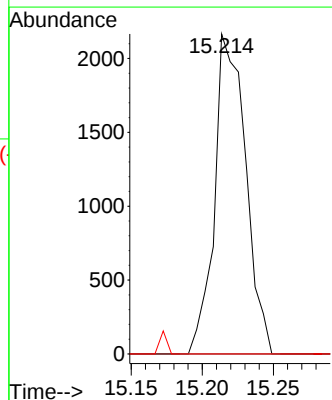
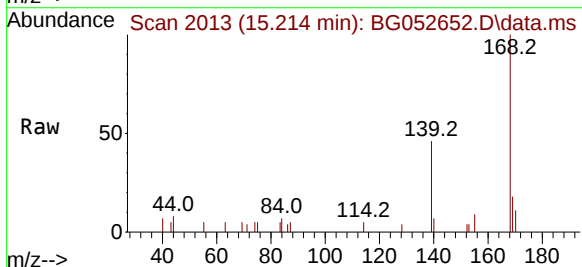
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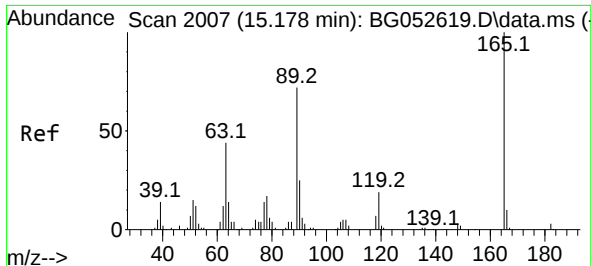
Tgt Ion:154 Resp: 15413
Ion Ratio Lower Upper
154 100
153 107.3 89.0 133.4
152 53.6 40.5 60.7



#56
4-Nitrophenol
Concen: 2.635 ng
RT: 15.214 min Scan# 2013
Delta R.T. 0.177 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:139 Resp: 3290
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: 5.847 ng

RT: 14.820 min Scan# 1946

Delta R.T. -0.358 min

Lab File: BG052652.D

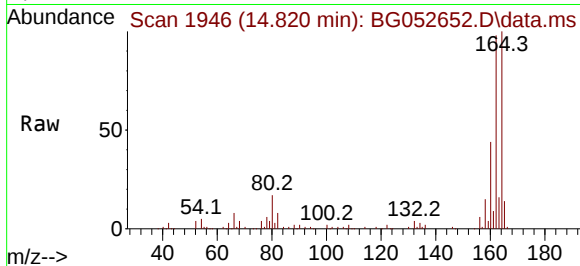
Acq: 11 Mar 2022 18:15

Instrument :

BNA_G

ClientSampleId :

CG-B4-030722-0-2DL



Tgt Ion:165 Resp: 14314

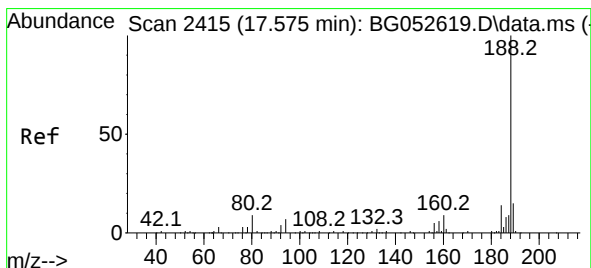
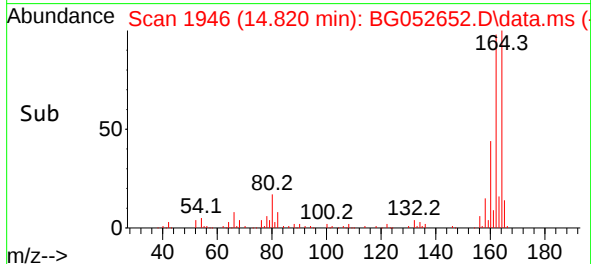
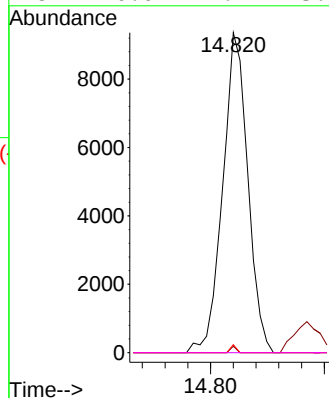
Ion Ratio Lower Upper

165 100

63 2.0 34.8 52.2#

89 2.5 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.575 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

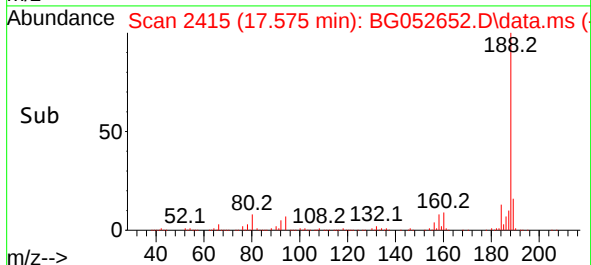
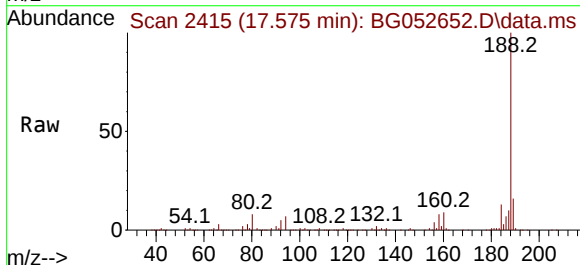
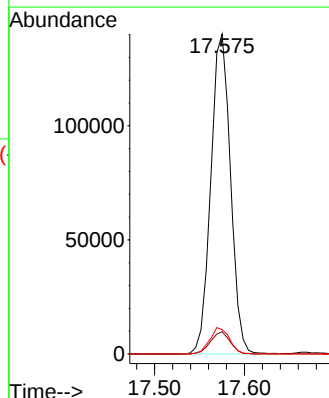
Tgt Ion:188 Resp: 213152

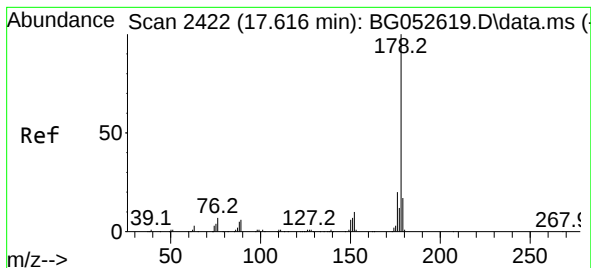
Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 7.6 7.2 10.8





#71

Phenanthrene

Concen: 22.928 ng

RT: 17.616 min Scan# 2422

Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

Instrument :

BNA_G

ClientSampleId :

CG-B4-030722-0-2DL

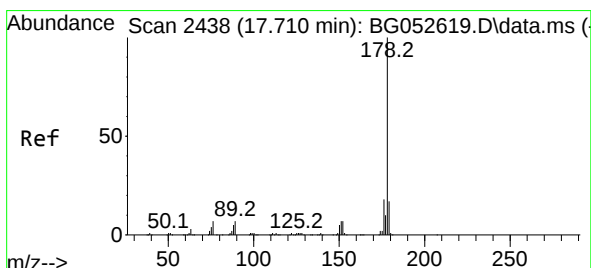
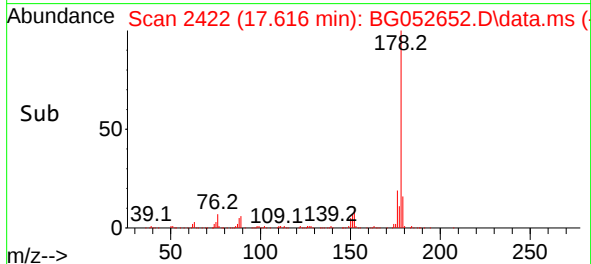
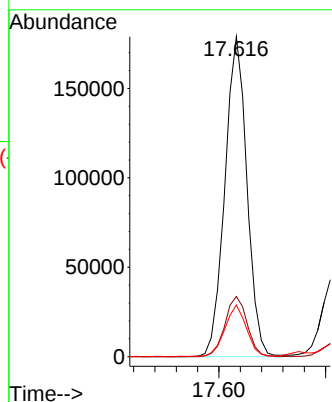
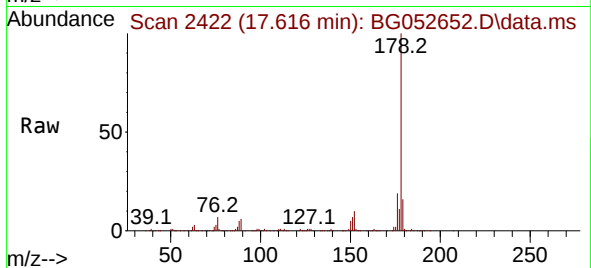
Tgt Ion:178 Resp: 256408

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

179 16.1 13.4 20.2



#72

Anthracene

Concen: 6.196 ng

RT: 17.704 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

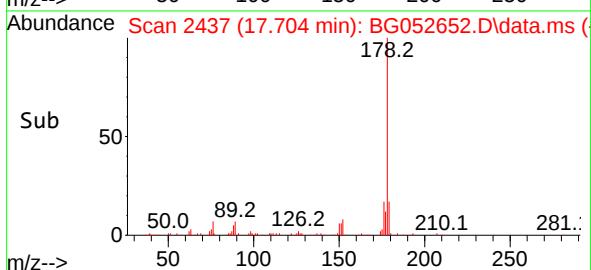
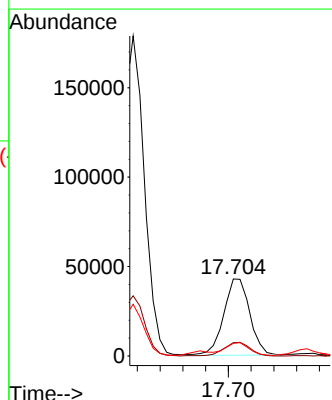
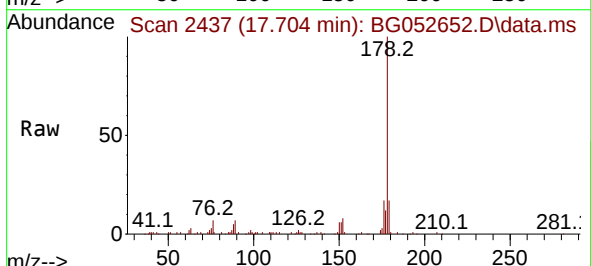
Tgt Ion:178 Resp: 67836

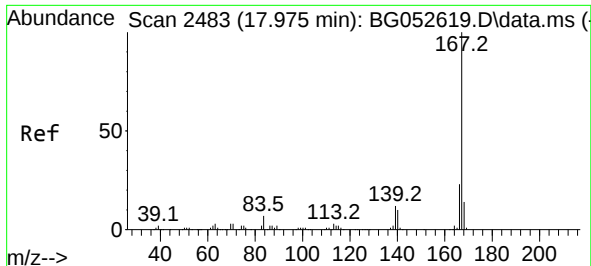
Ion Ratio Lower Upper

178 100

176 17.3 14.7 22.1

179 16.5 13.2 19.8

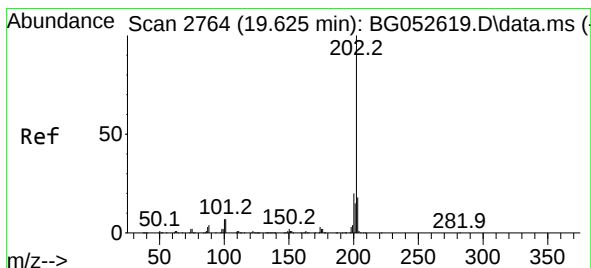
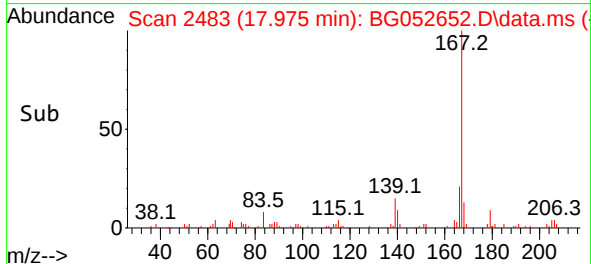
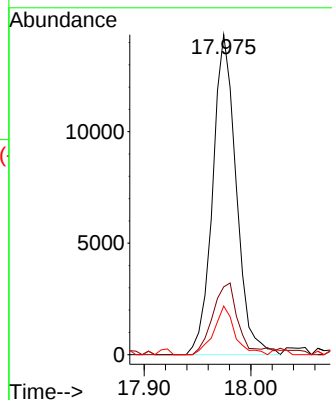
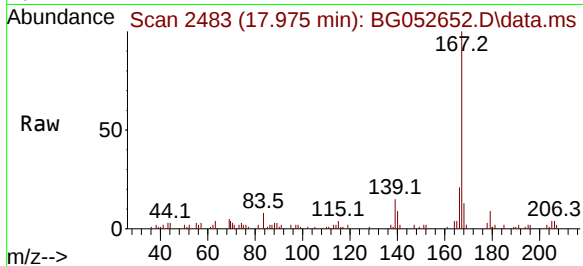




#73
 Carbazole
 Concen: 2.051 ng
 RT: 17.975 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

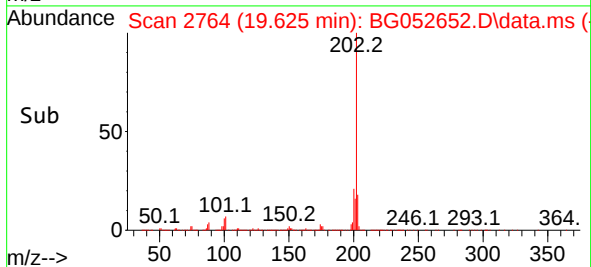
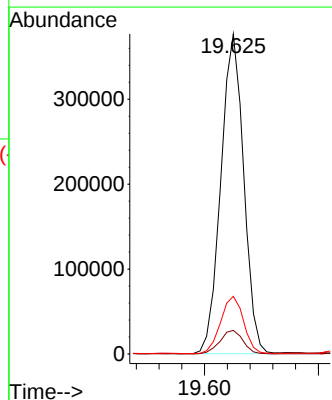
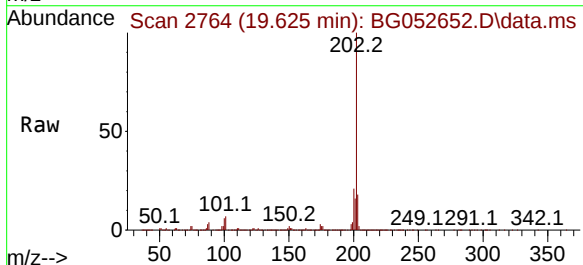
Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL

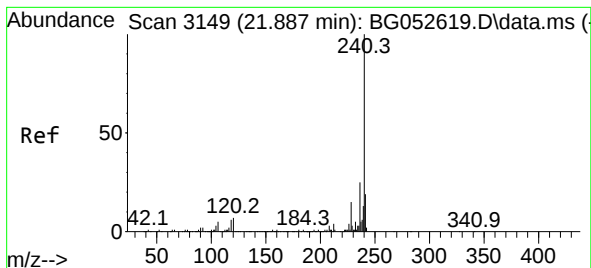
Tgt Ion:167 Resp: 21983
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.5 27.7
 139 15.2 10.0 15.0#



#75
 Fluoranthene
 Concen: 37.605 ng
 RT: 19.625 min Scan# 2764
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

Tgt Ion:202 Resp: 525112
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 27.3
 203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.887 min Scan# 3149

Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

Instrument :

BNA_G

ClientSampleId :

CG-B4-030722-0-2DL

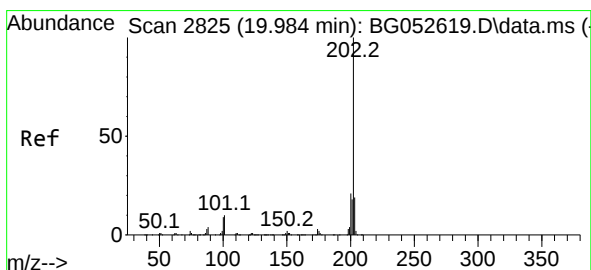
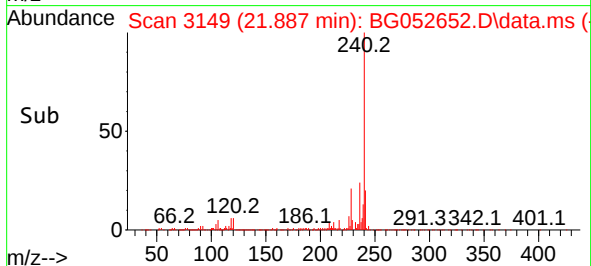
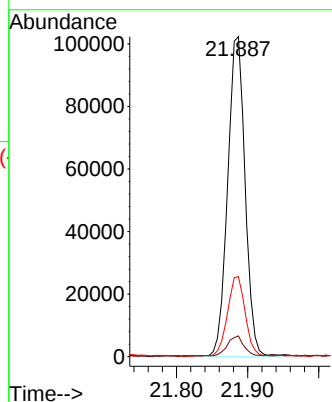
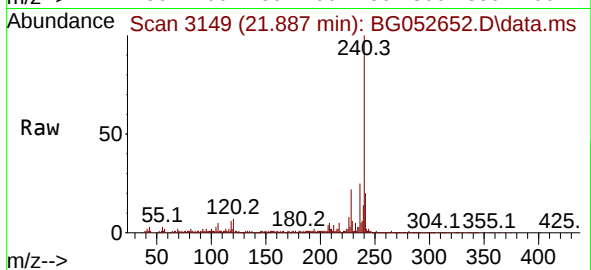
Tgt Ion:240 Resp: 174889

Ion Ratio Lower Upper

240 100

120 6.5 5.4 8.0

236 25.0 19.8 29.6



#78

Pyrene

Concen: 39.952 ng

RT: 19.984 min Scan# 2825

Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

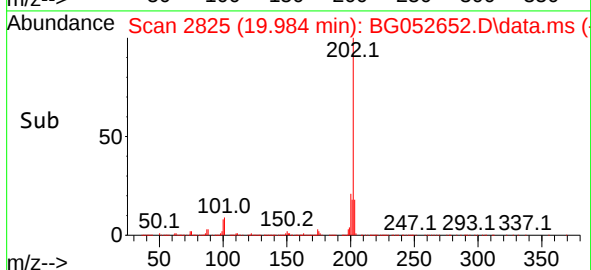
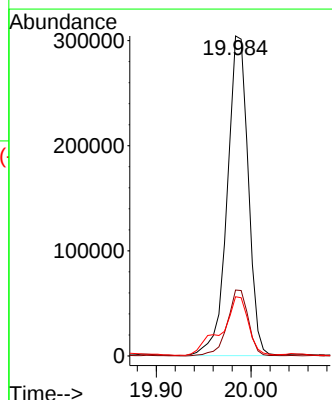
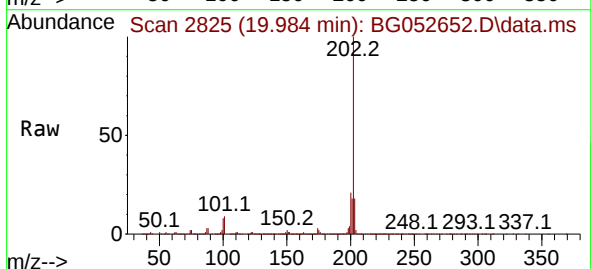
Tgt Ion:202 Resp: 467038

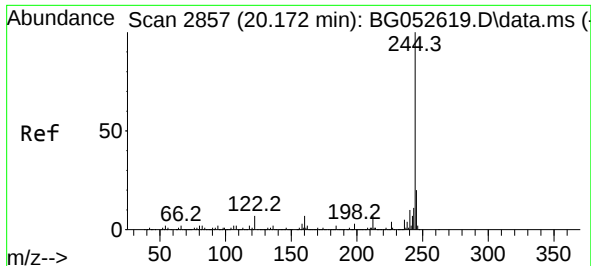
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.5 15.0 22.6

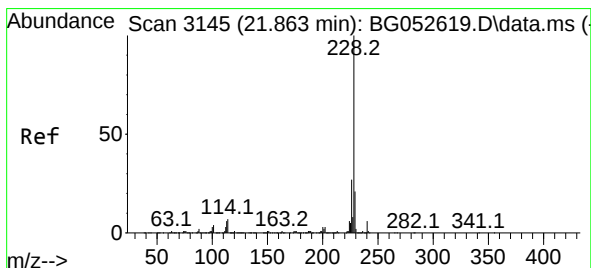
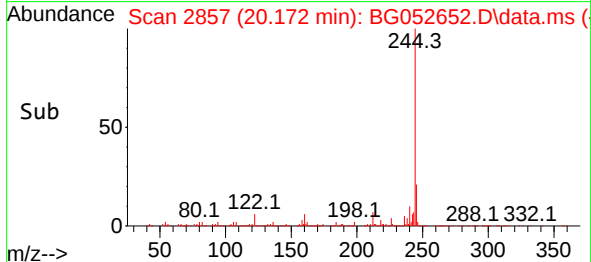
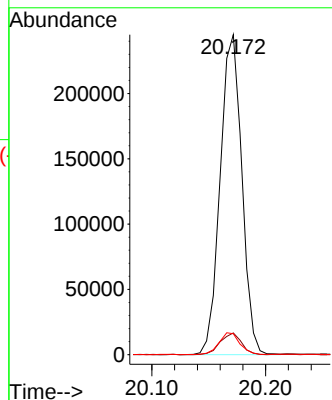
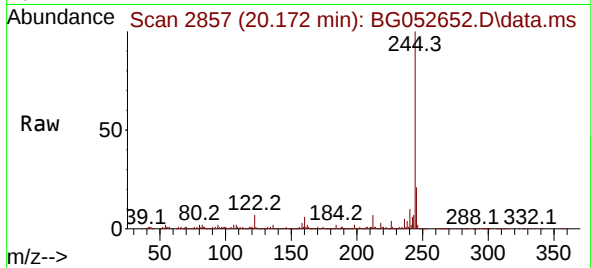




#79
 Terphenyl-d14
 Concen: 32.862 ng
 RT: 20.172 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

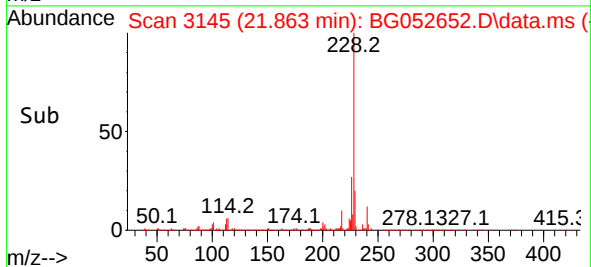
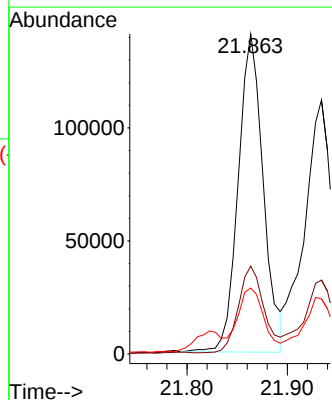
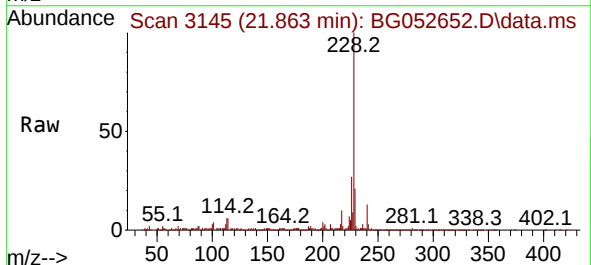
Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL

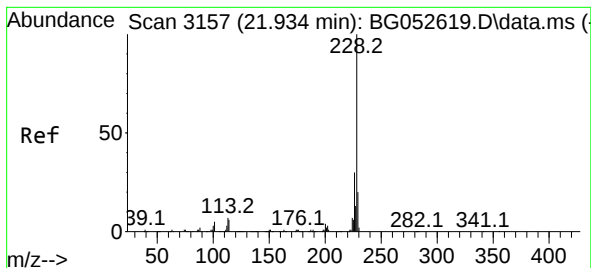
Tgt Ion:244 Resp: 324782
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 6.6 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 20.809 ng
 RT: 21.863 min Scan# 3145
 Delta R.T. 0.000 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

Tgt Ion:228 Resp: 243823
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 20.6 16.7 25.1





#83

Chrysene

Concen: 19.723 ng

RT: 21.934 min Scan# 3157

Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

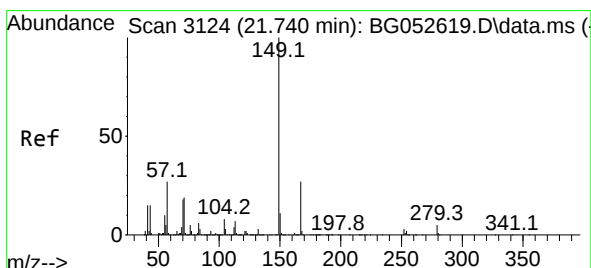
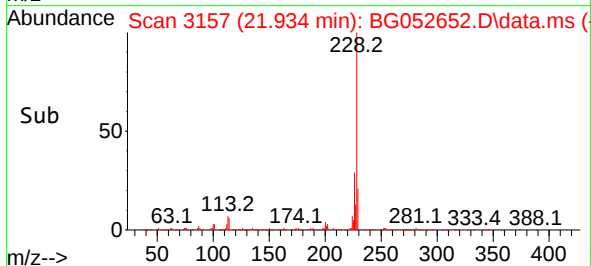
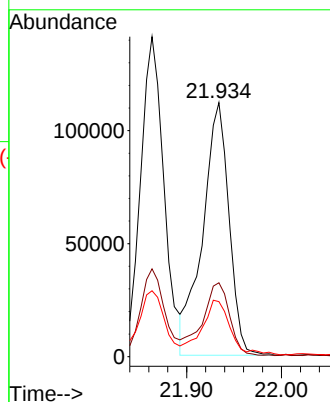
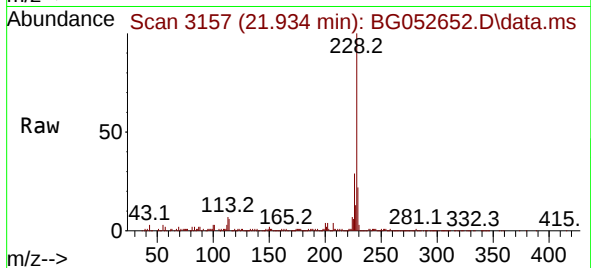
Instrument :

BNA_G

ClientSampleId :

CG-B4-030722-0-2DL

Tgt Ion:	228	Resp:	216078
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.4
229	21.7	16.3	24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.142 ng

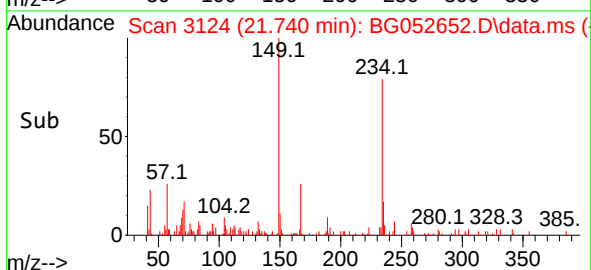
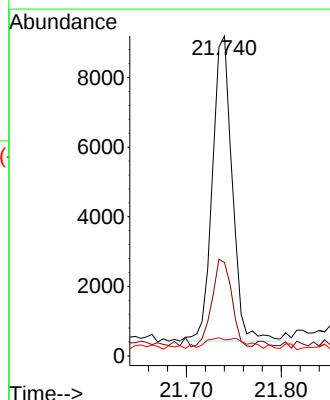
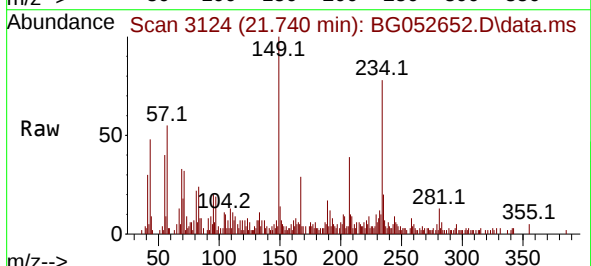
RT: 21.740 min Scan# 3124

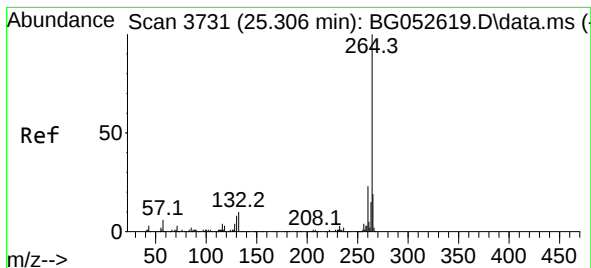
Delta R.T. 0.000 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

Tgt Ion:	149	Resp:	12727
Ion Ratio	Lower	Upper	
149	100		
167	29.2	21.4	32.2
279	5.0	3.8	5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.312 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

Instrument :

BNA_G

ClientSampleId :

CG-B4-030722-0-2DL

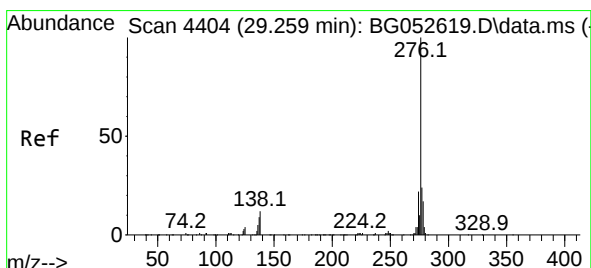
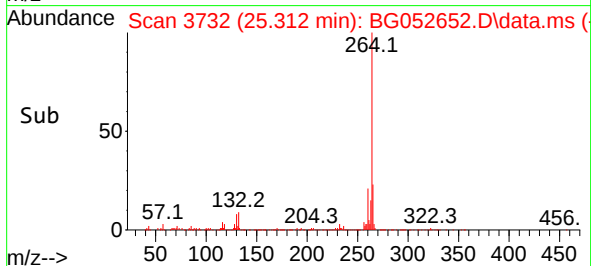
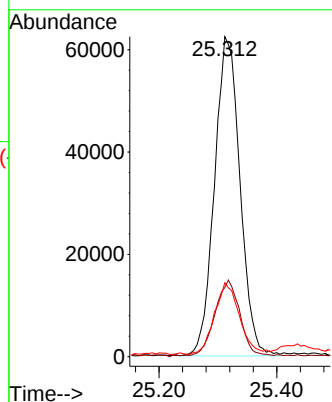
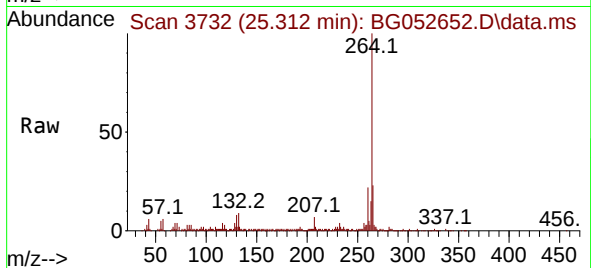
Tgt Ion:264 Resp: 187907

Ion Ratio Lower Upper

264 100

260 21.6 18.2 27.2

265 23.1 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.412 ng

RT: 29.277 min Scan# 4407

Delta R.T. 0.018 min

Lab File: BG052652.D

Acq: 11 Mar 2022 18:15

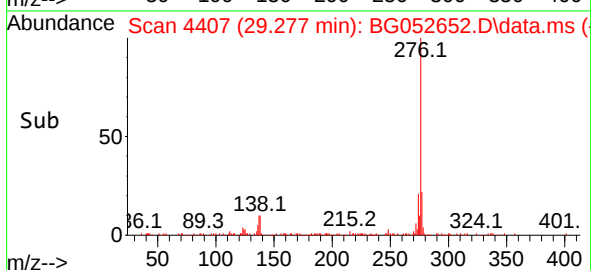
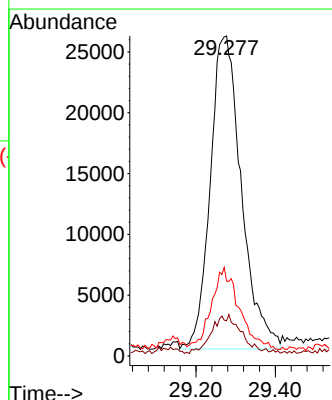
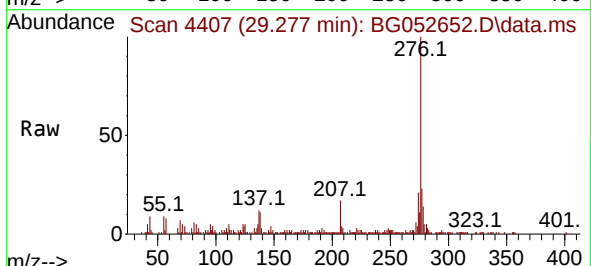
Tgt Ion:276 Resp: 140211

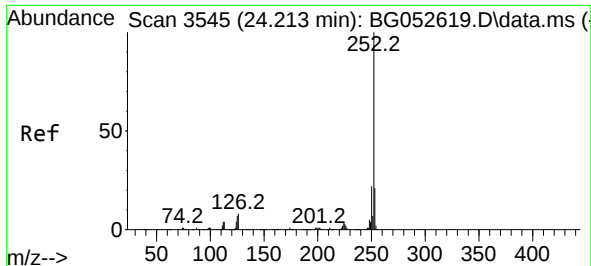
Ion Ratio Lower Upper

276 100

138 6.1 8.7 13.1#

277 23.6 20.2 30.4

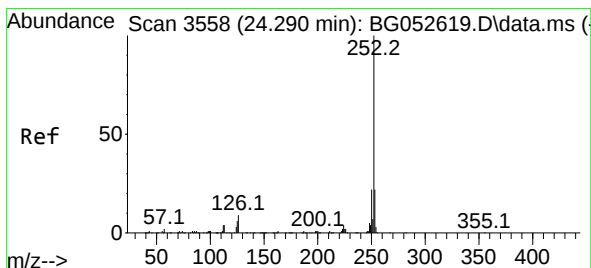
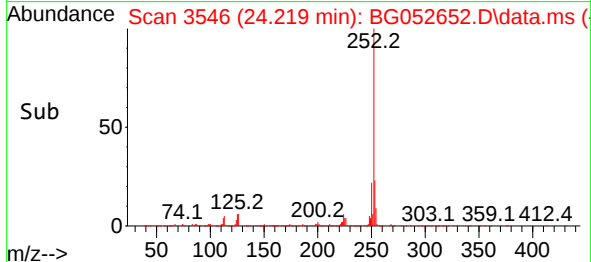
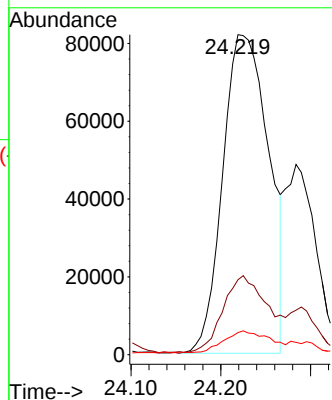
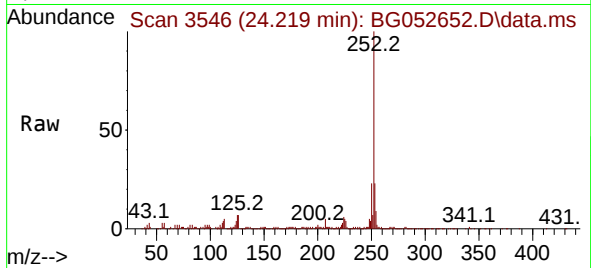




#88
Benzo(b)fluoranthene
Concen: 25.103 ng
RT: 24.219 min Scan# 3546
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

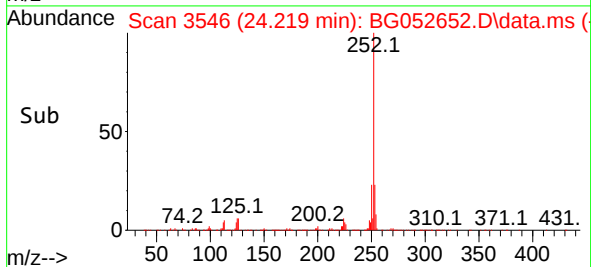
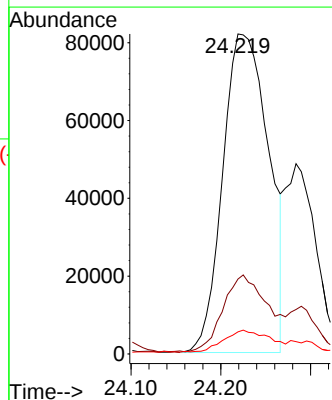
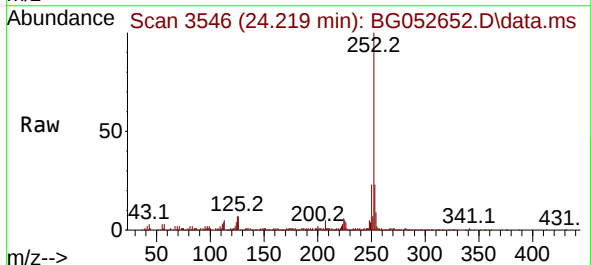
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

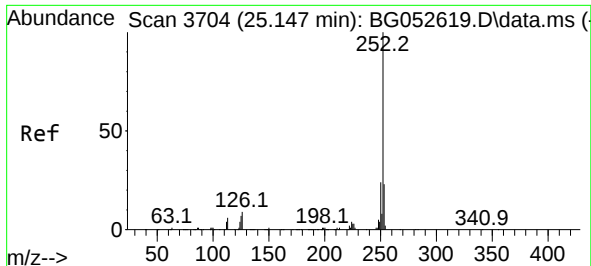
Tgt Ion:252 Resp: 291231
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 6.9 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 24.961 ng
RT: 24.219 min Scan# 3546
Delta R.T. -0.070 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

Tgt Ion:252 Resp: 291231
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 6.9 5.0 7.4

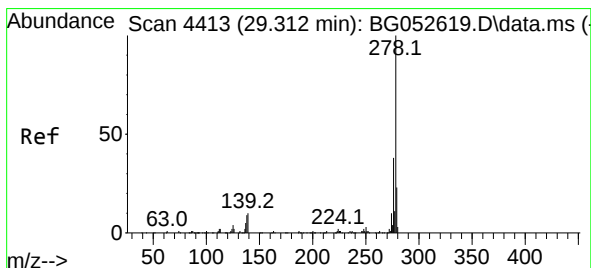
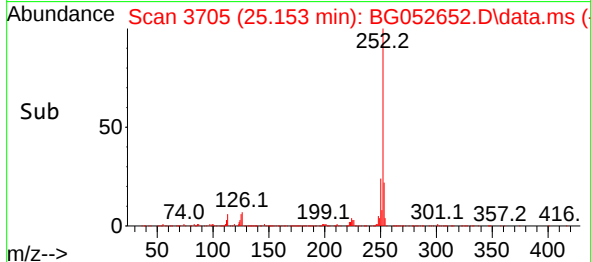
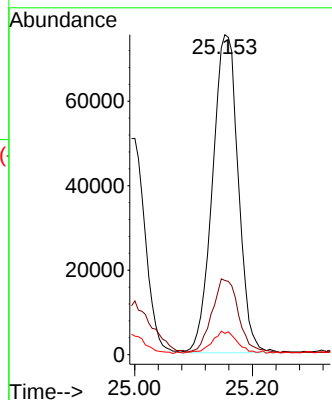
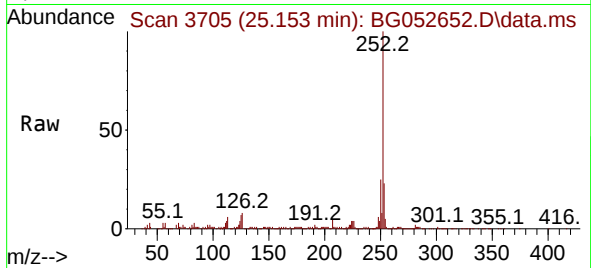




#90
Benzo(a)pyrene
Concen: 23.287 ng
RT: 25.153 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

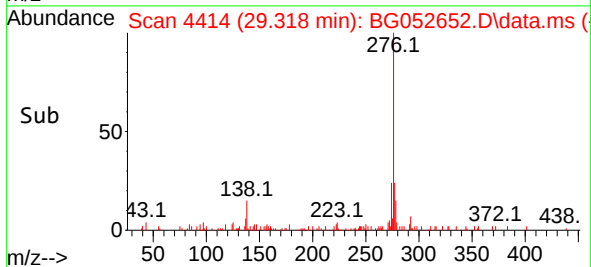
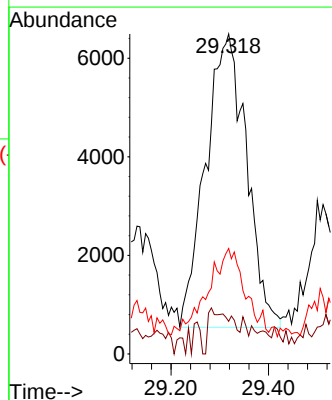
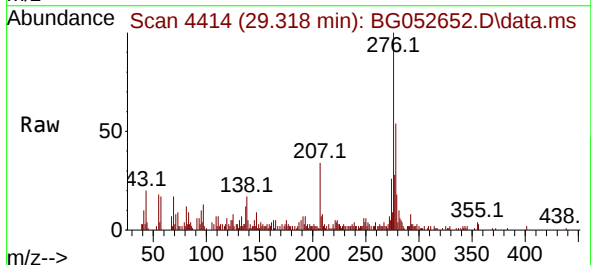
Instrument :
BNA_G
ClientSampleId :
CG-B4-030722-0-2DL

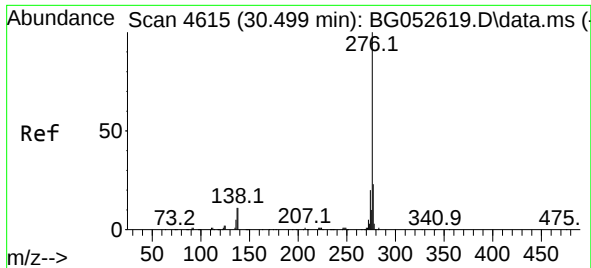
Tgt Ion:252 Resp: 228587
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 6.7 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 3.091 ng
RT: 29.318 min Scan# 4414
Delta R.T. 0.006 min
Lab File: BG052652.D
Acq: 11 Mar 2022 18:15

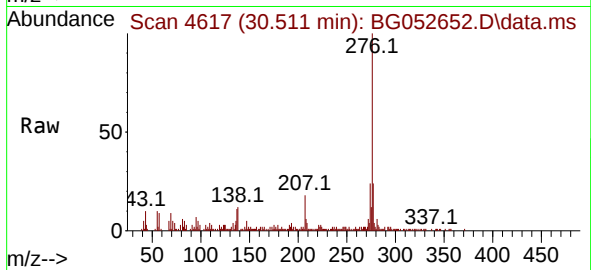
Tgt Ion:278 Resp: 34540
Ion Ratio Lower Upper
278 100
139 10.2 7.8 11.6
279 32.9 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 12.495 ng
 RT: 30.511 min Scan# 4
 Delta R.T. 0.012 min
 Lab File: BG052652.D
 Acq: 11 Mar 2022 18:15

Instrument :
 BNA_G
 ClientSampleId :
 CG-B4-030722-0-2DL



Tgt Ion:276 Resp: 136283
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.2 27.2
 138 11.6 9.1 13.7

