

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052644.D
 Acq On : 10 Mar 2022 21:28
 Operator : CG/JU
 Sample : N1847-04DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Mar 11 03:46:26 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)

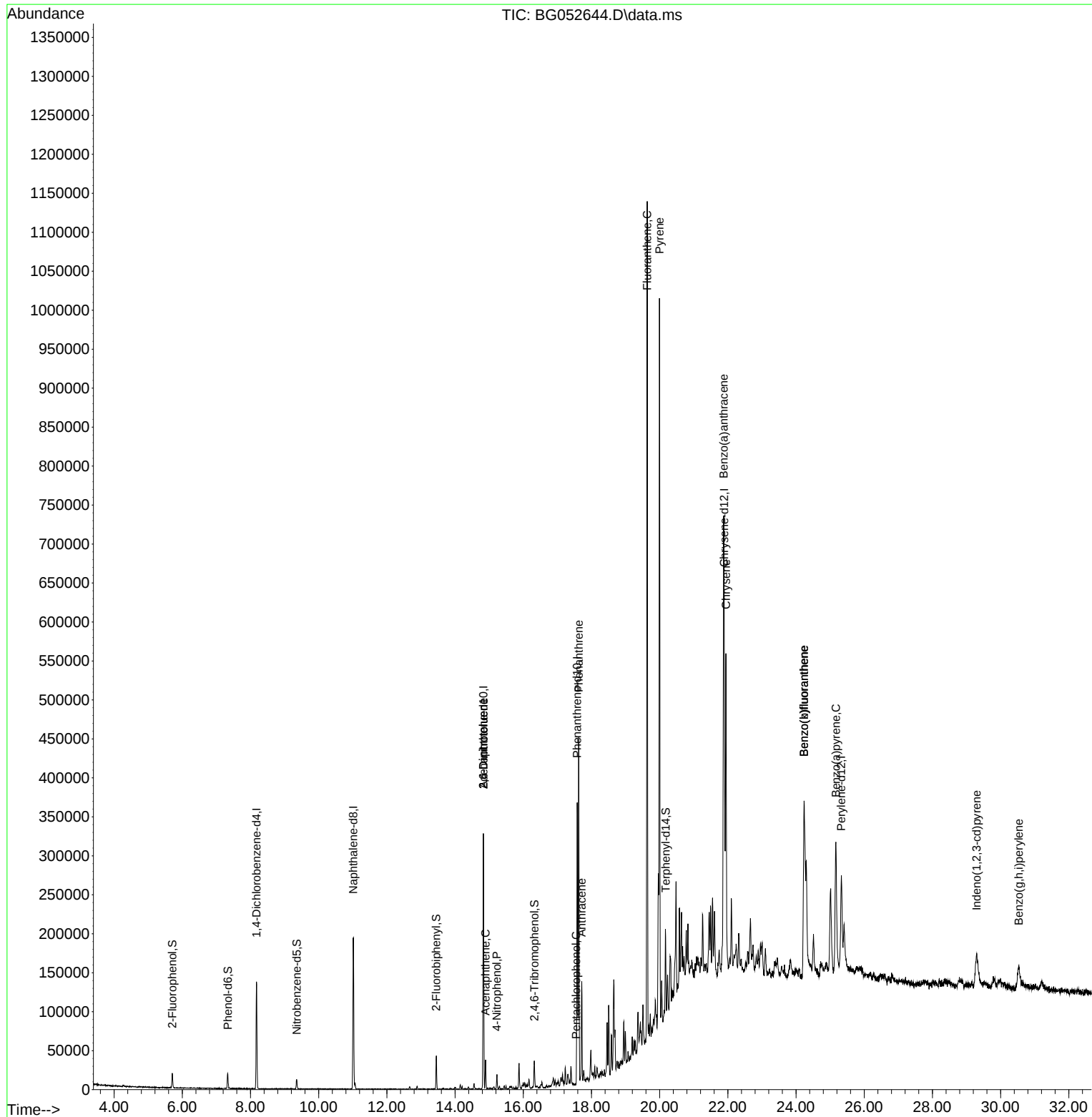
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.175	152	42668	20.000	ng	0.00
21) Naphthalene-d8	11.012	136	175042	20.000	ng	0.00
39) Acenaphthene-d10	14.831	164	116891	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	235084	20.000	ng	0.00
76) Chrysene-d12	21.892	240	190070	20.000	ng	0.00
86) Perylene-d12	25.328	264	157535	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	8787	3.558	ng	0.00
7) Phenol-d6	7.335	99	13656	3.820	ng	0.01
23) Nitrobenzene-d5	9.356	82	8789	2.276	ng	0.01
42) 2,4,6-Tribromophenol	16.329	330	5677	3.424	ng	0.01
45) 2-Fluorobiphenyl	13.450	172	24809	2.865	ng	0.00
79) Terphenyl-d14	20.176	244	32816	3.055	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.831	165	16252	8.374	ng	# 25
52) Acenaphthene	14.895	154	14389	2.203	ng	92
56) 4-Nitrophenol	15.224	139	3996	2.868	ng	# 1
57) 2,4-Dinitrotoluene	14.831	165	16252	5.950	ng	# 24
70) Pentachlorophenol	17.551	266	57	5.783	ng	# 23
71) Phenanthrene	17.627	178	289594	23.479	ng	98
72) Anthracene	17.715	178	87141	7.217	ng	99
75) Fluoranthene	19.636	202	683286	44.367	ng	99
78) Pyrene	19.994	202	627251	49.372	ng	99
81) Benzo(a)anthracene	21.874	228	369765	29.036	ng	99
83) Chrysene	21.945	228	315773	26.520	ng	97
87) Indeno(1,2,3-cd)pyrene	29.293	276	91850	8.136	ng	# 89
88) Benzo(b)fluoranthene	24.236	252	342370	35.200	ng	97
89) Benzo(k)fluoranthene	24.236	252	342370	35.001	ng	97
90) Benzo(a)pyrene	25.170	252	246608	29.966	ng	100
92) Benzo(g,h,i)perylene	30.533	276	74384	8.135	ng	# 97

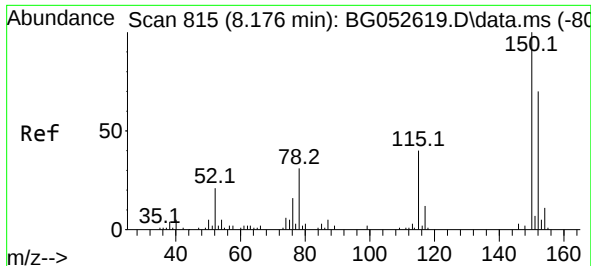
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
Data File : BG052644.D
Acq On : 10 Mar 2022 21:28
Operator : CG/JU
Sample : N1847-04DL 20X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Mar 11 03:46:26 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

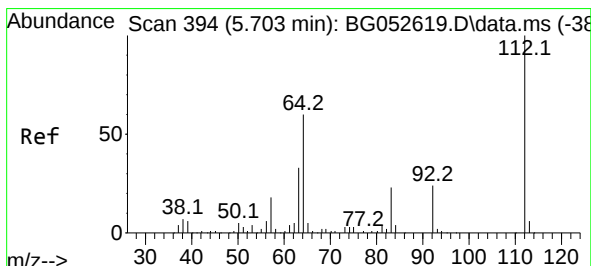
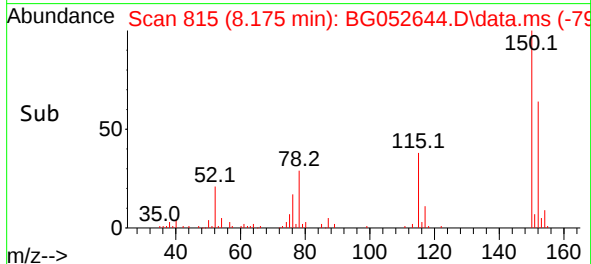
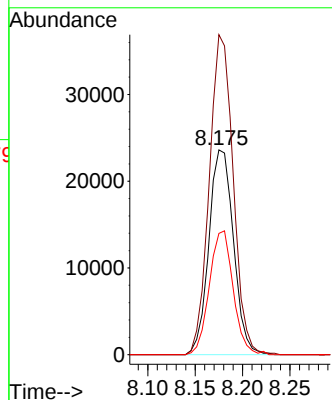
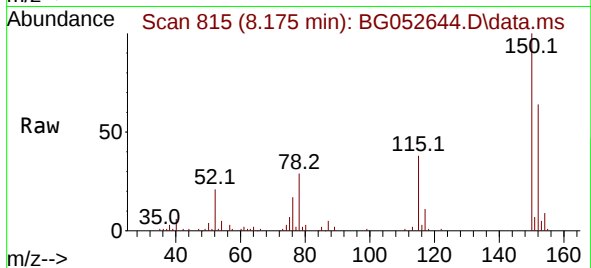




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.175 min Scan# 815
Delta R.T. -0.001 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

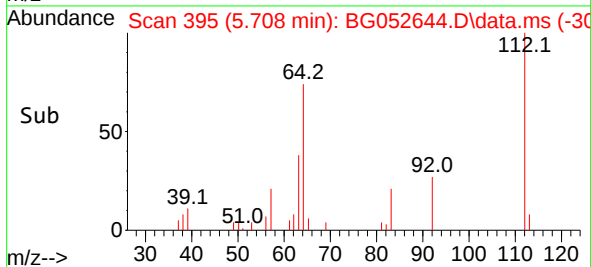
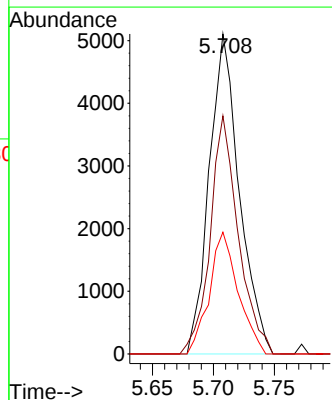
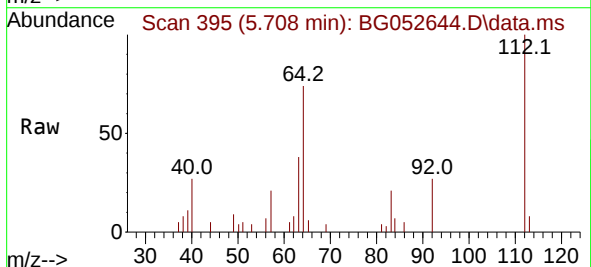
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

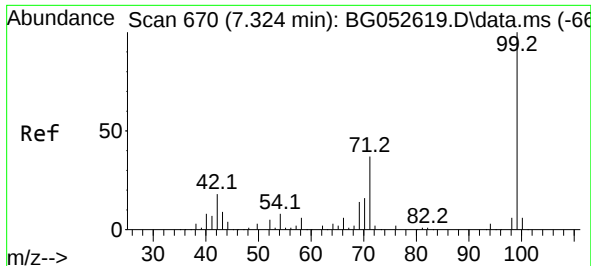
Tgt Ion:152 Resp: 42668
Ion Ratio Lower Upper
152 100
150 156.2 114.6 172.0
115 59.2 45.9 68.9



#5
2-Fluorophenol
Concen: 3.558 ng
RT: 5.708 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:112 Resp: 8787
Ion Ratio Lower Upper
112 100
64 74.4 48.0 72.0#
63 38.1 26.5 39.7

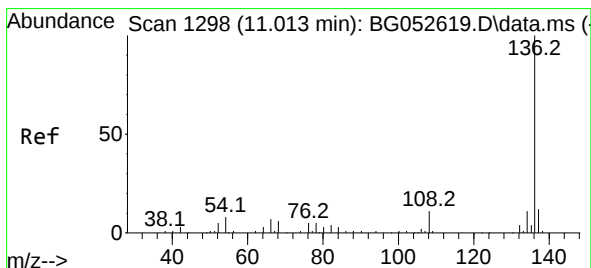
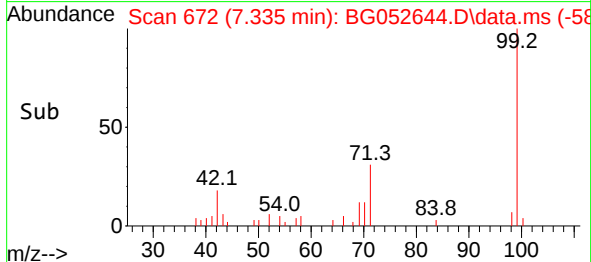
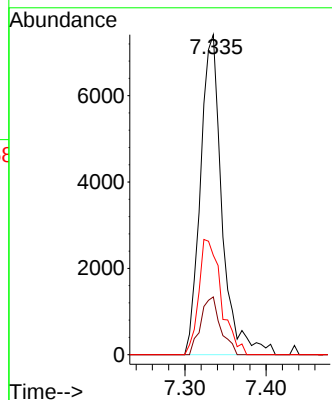
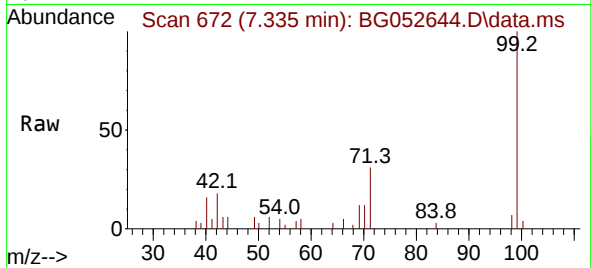




#7
Phenol-d6
Concen: 3.820 ng
RT: 7.335 min Scan# 61
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

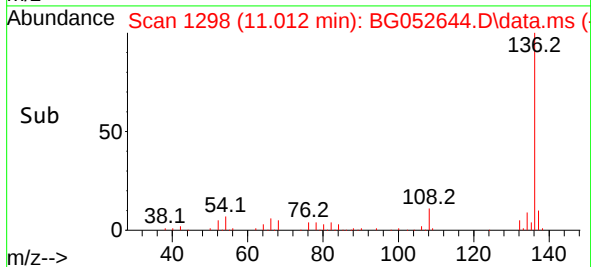
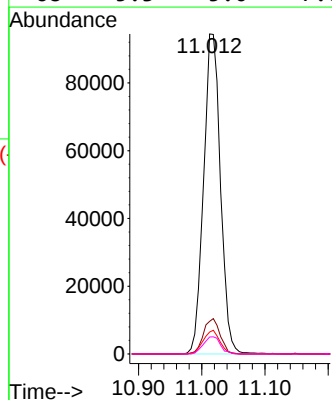
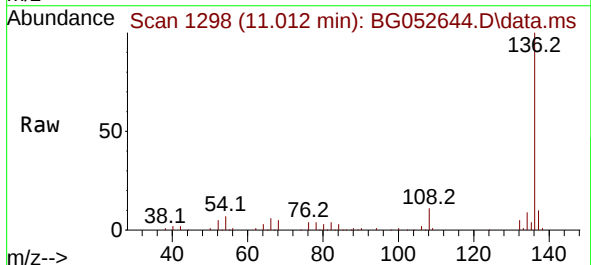
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

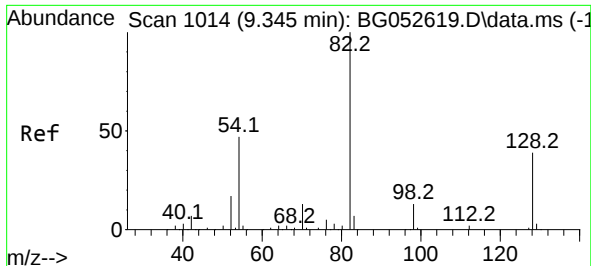
Tgt Ion: 99 Resp: 13656
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 31.0 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.012 min Scan# 1298
Delta R.T. -0.001 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion: 136 Resp: 175042
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.2
54 6.8 6.4 9.6
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 2.276 ng

RT: 9.356 min Scan# 1016

Delta R.T. 0.011 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5DL

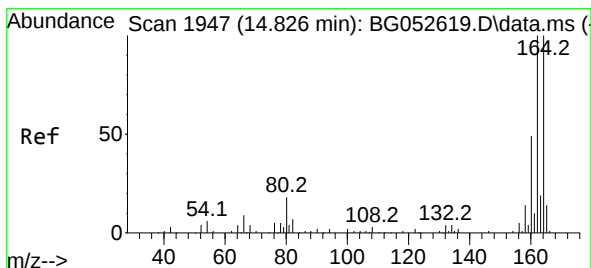
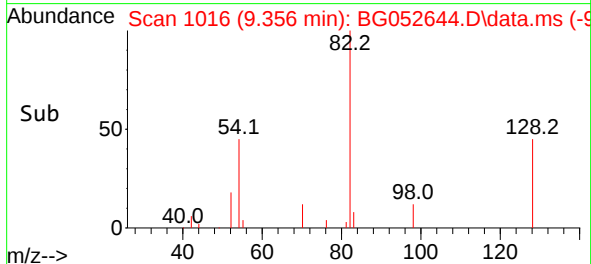
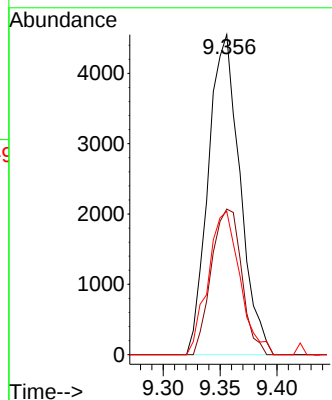
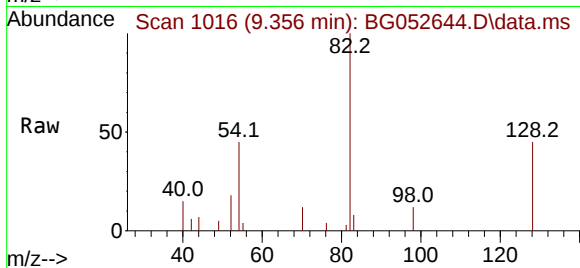
Tgt Ion: 82 Resp: 8789

Ion Ratio Lower Upper

82 100

128 45.5 31.3 46.9

54 44.8 37.8 56.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.831 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

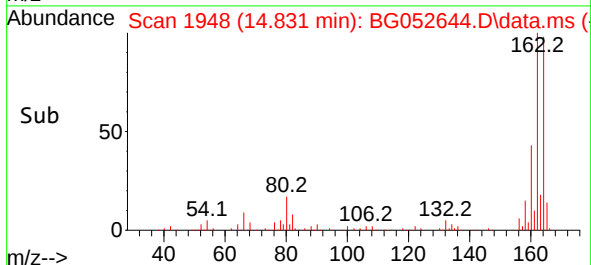
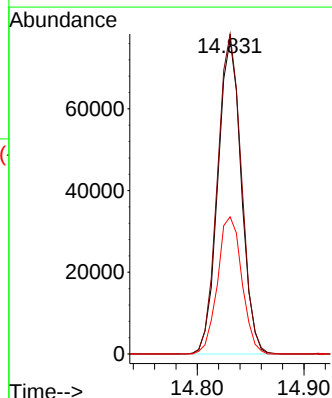
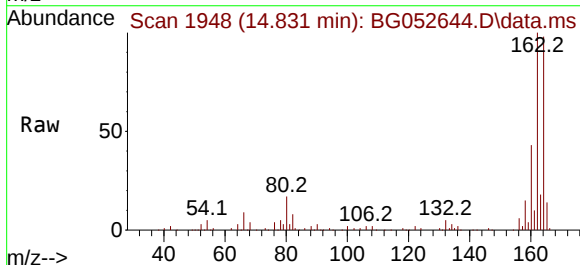
Tgt Ion:164 Resp: 116891

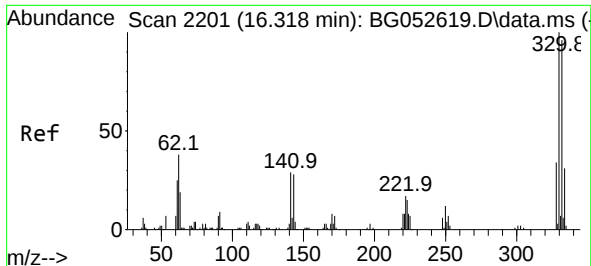
Ion Ratio Lower Upper

164 100

162 101.7 80.0 120.0

160 43.6 38.8 58.2

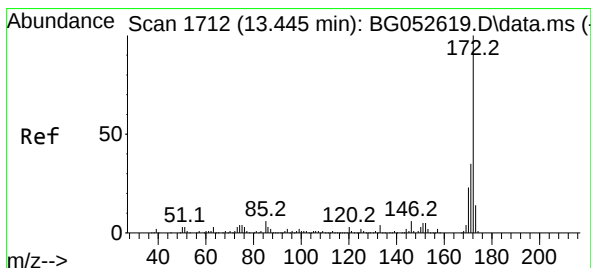
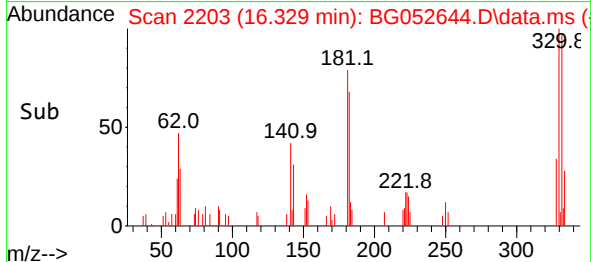
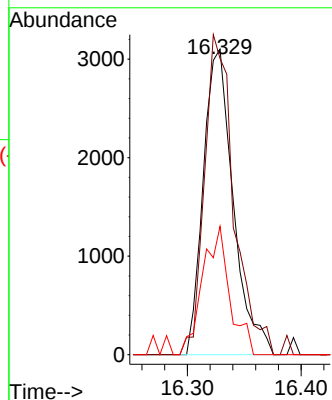
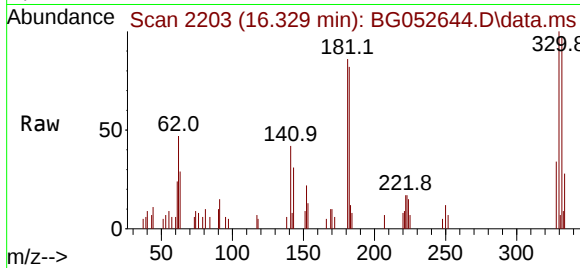




#42
2,4,6-Tribromophenol
Concen: 3.424 ng
RT: 16.329 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

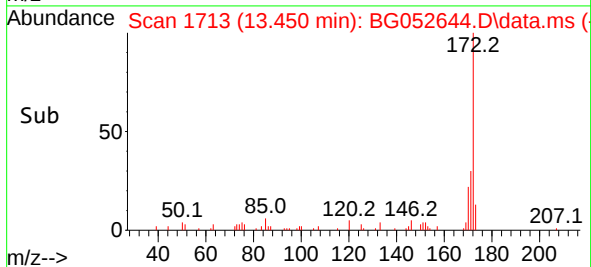
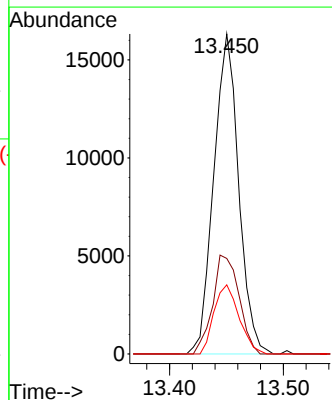
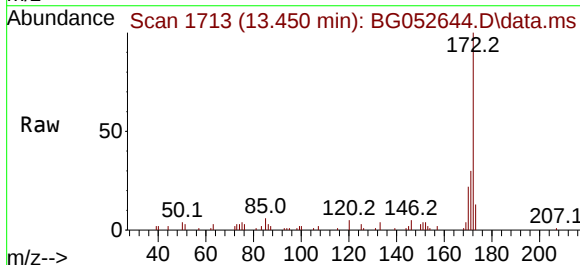
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

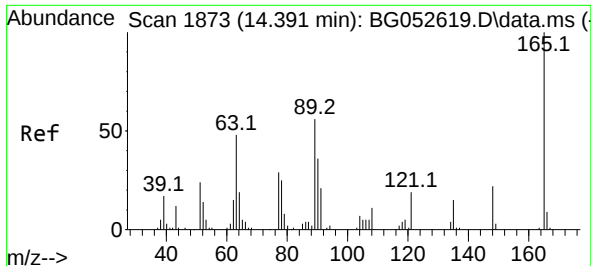
Tgt Ion:330 Resp: 5677
Ion Ratio Lower Upper
330 100
332 103.0 75.8 113.6
141 38.1 24.6 36.8#



#45
2-Fluorobiphenyl
Concen: 2.865 ng
RT: 13.450 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:172 Resp: 24809
Ion Ratio Lower Upper
172 100
171 29.9 28.3 42.5
170 21.6 18.0 27.0

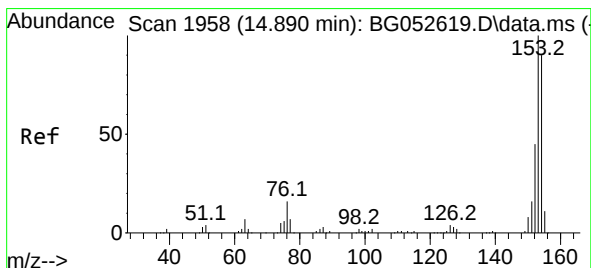
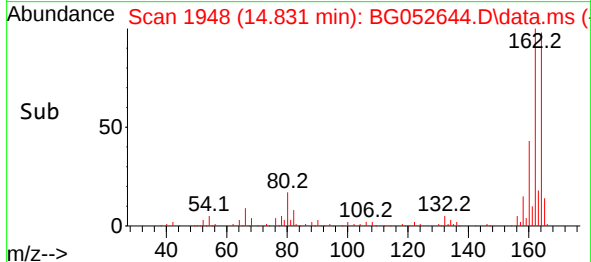
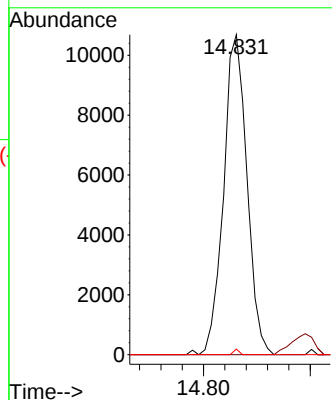
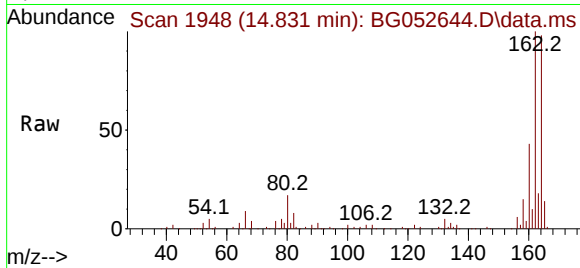




#51
2,6-Dinitrotoluene
Concen: 8.374 ng
RT: 14.831 min Scan# 1948
Delta R.T. 0.440 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

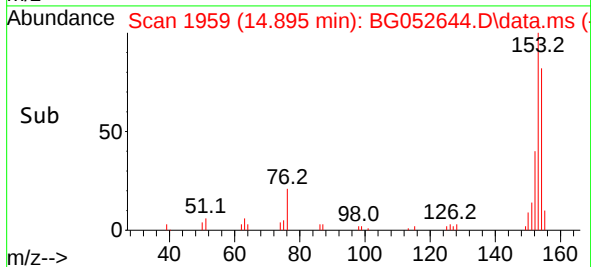
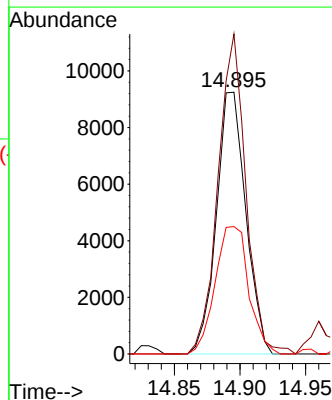
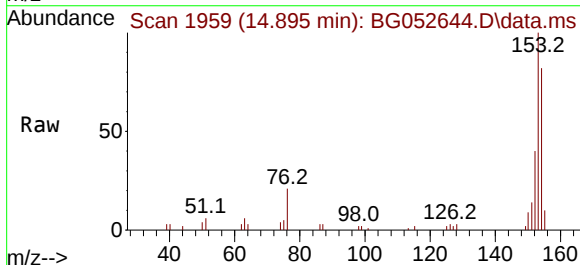
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

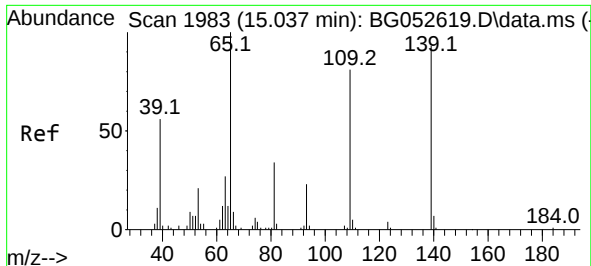
Tgt Ion:165 Resp: 16252
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 1.7 45.0 67.4#



#52
Acenaphthene
Concen: 2.203 ng
RT: 14.895 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:154 Resp: 14389
Ion Ratio Lower Upper
154 100
153 122.3 89.0 133.4
152 48.7 40.5 60.7

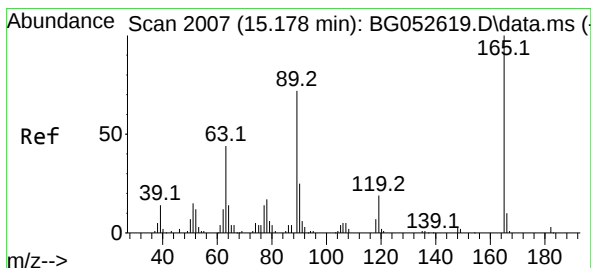
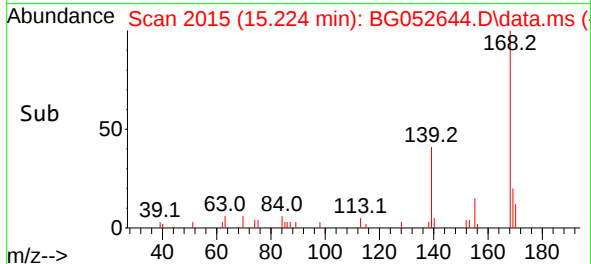
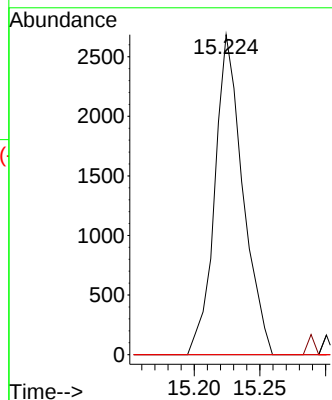
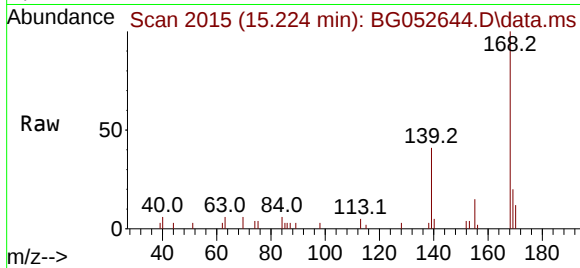




#56
4-Nitrophenol
Concen: 2.868 ng
RT: 15.224 min Scan# 2015
Delta R.T. 0.187 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

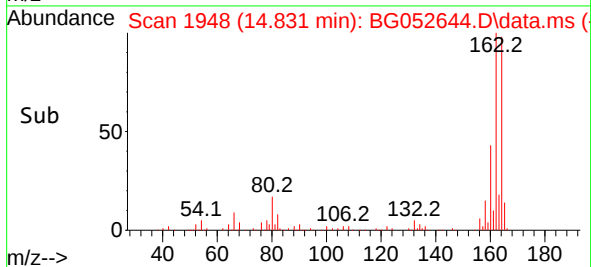
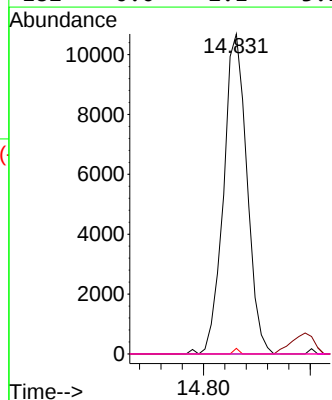
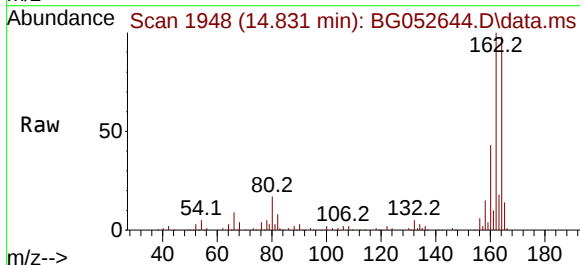
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

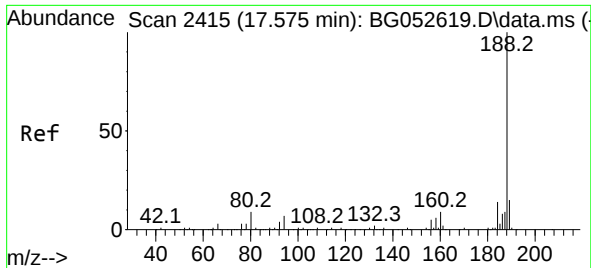
Tgt Ion:139 Resp: 3996
Ion Ratio Lower Upper
139 100
109 0.0 67.1 107.1#
65 0.0 88.2 128.2#



#57
2,4-Dinitrotoluene
Concen: 5.950 ng
RT: 14.831 min Scan# 1948
Delta R.T. -0.347 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:165 Resp: 16252
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 1.7 57.4 86.0#
182 0.0 2.1 3.1#

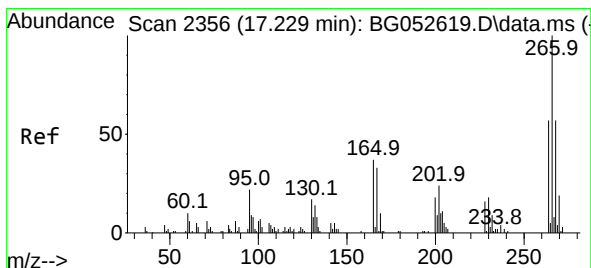
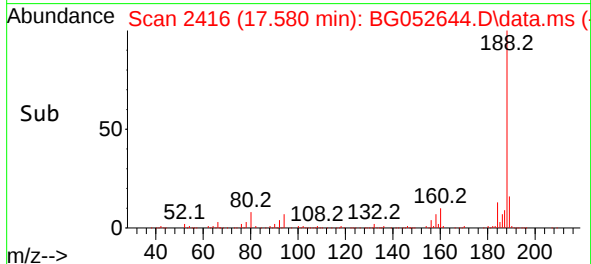
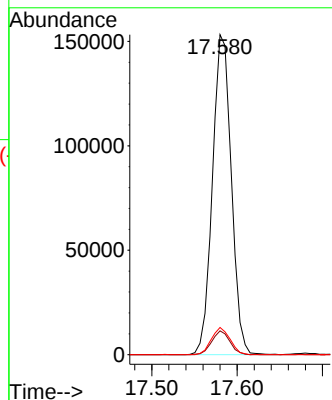
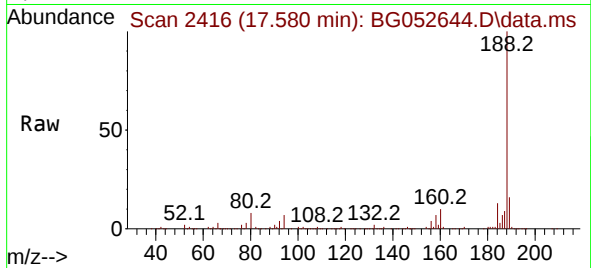




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

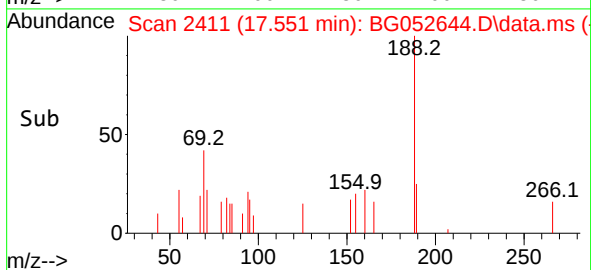
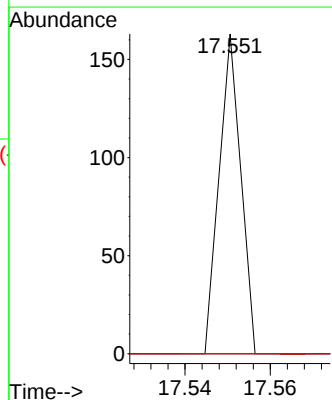
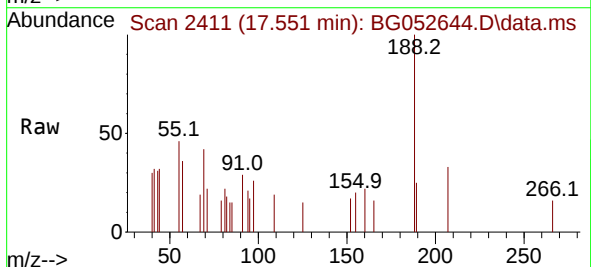
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

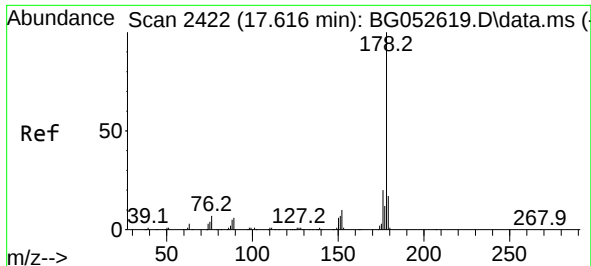
Tgt Ion:188 Resp: 235084
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.5 7.2 10.8



#70
Pentachlorophenol
Concen: 5.783 ng
RT: 17.551 min Scan# 2411
Delta R.T. 0.322 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:266 Resp: 57
Ion Ratio Lower Upper
266 100
268 0.0 45.9 68.9#
264 0.0 45.3 67.9#

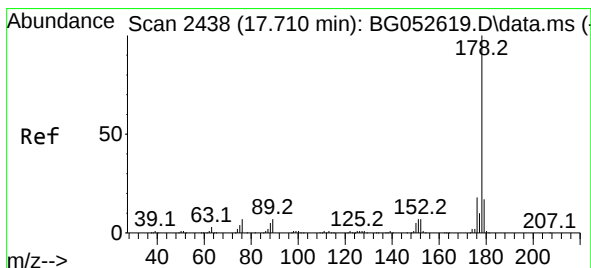
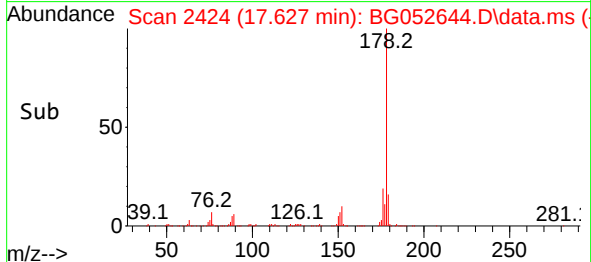
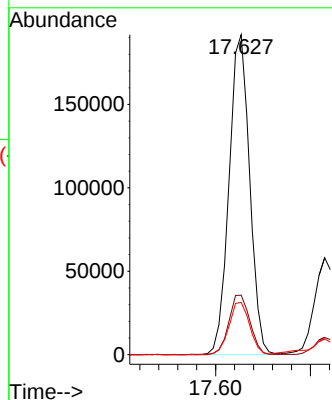
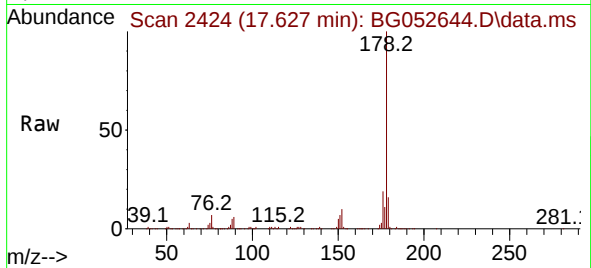




#71
Phenanthrene
Concen: 23.479 ng
RT: 17.627 min Scan# 2422
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

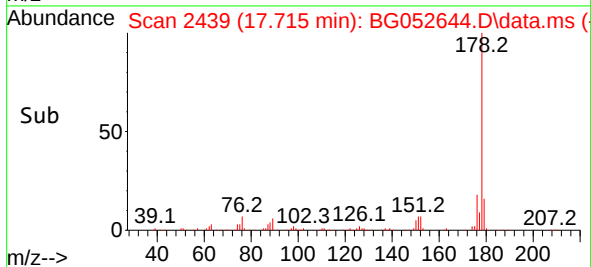
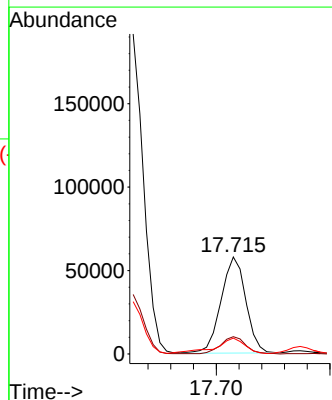
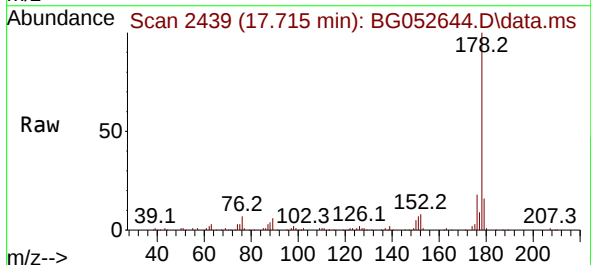
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

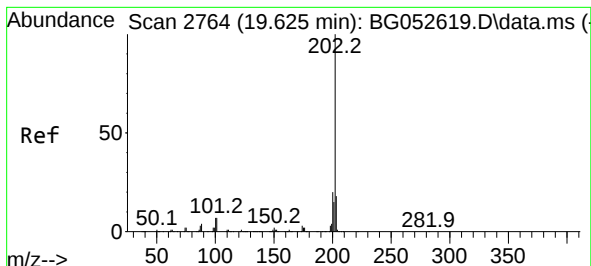
Tgt Ion:178 Resp: 289594
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.4 13.4 20.2



#72
Anthracene
Concen: 7.217 ng
RT: 17.715 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:178 Resp: 87141
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 16.4 13.2 19.8





#75

Fluoranthene

Concen: 44.367 ng

RT: 19.636 min Scan# 21

Delta R.T. 0.011 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5DL

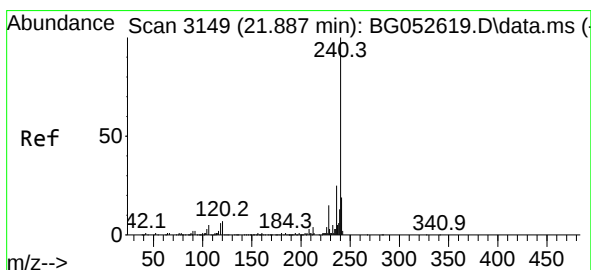
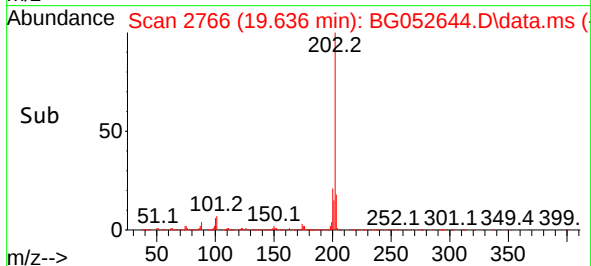
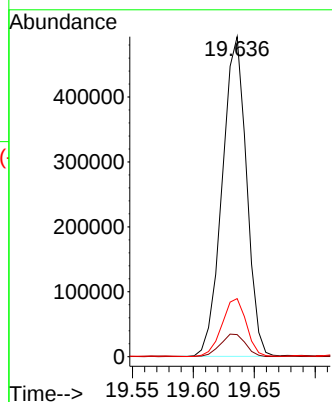
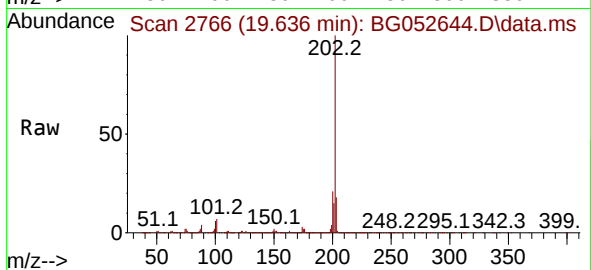
Tgt Ion:202 Resp: 683286

Ion Ratio Lower Upper

202 100

101 6.9 0.0 27.3

203 18.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.892 min Scan# 3150

Delta R.T. 0.005 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

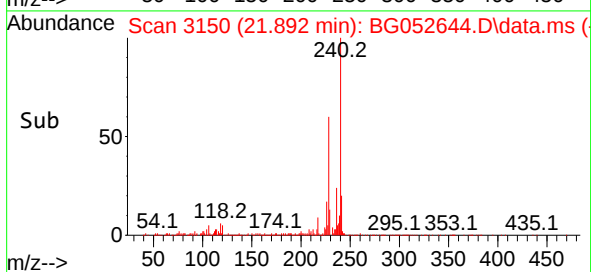
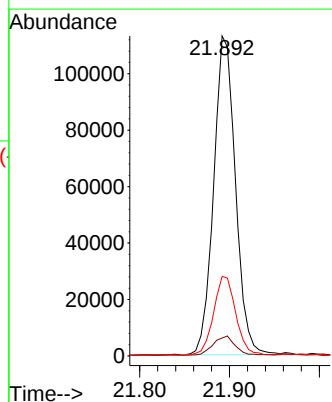
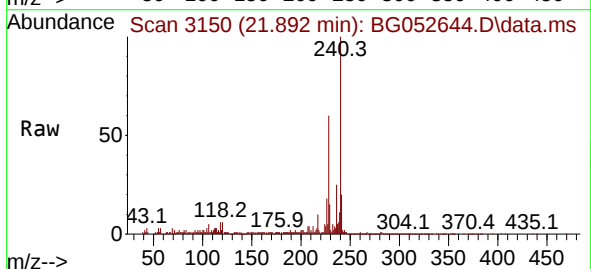
Tgt Ion:240 Resp: 190070

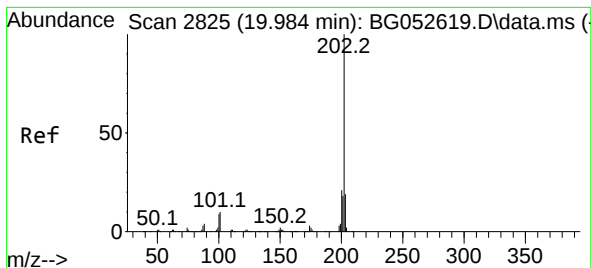
Ion Ratio Lower Upper

240 100

120 5.6 5.4 8.0

236 24.8 19.8 29.6





#78

Pyrene

Concen: 49.372 ng

RT: 19.994 min Scan# 21

Delta R.T. 0.011 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5DL

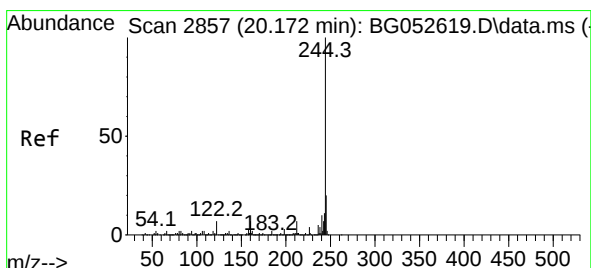
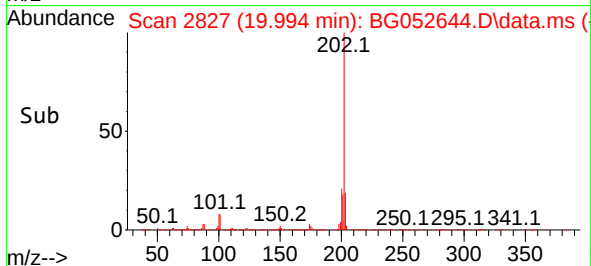
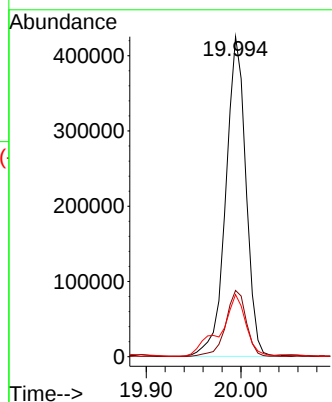
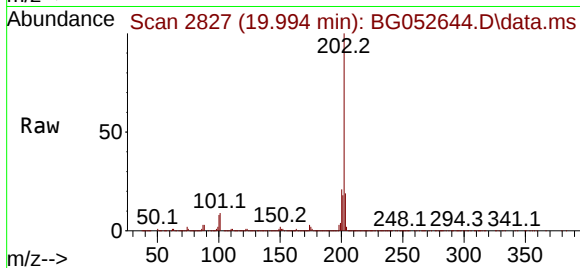
Tgt Ion:202 Resp: 627251

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 19.4 15.0 22.6



#79

Terphenyl-d14

Concen: 3.055 ng

RT: 20.176 min Scan# 2858

Delta R.T. 0.005 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

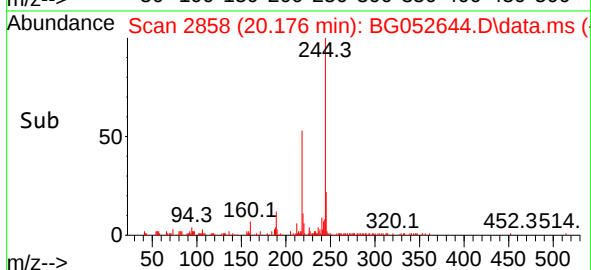
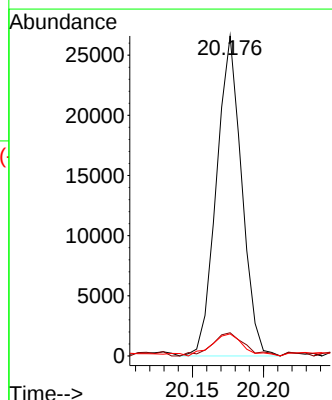
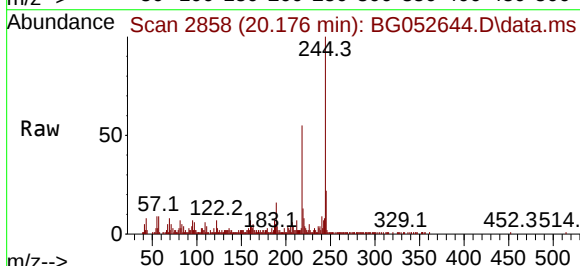
Tgt Ion:244 Resp: 32816

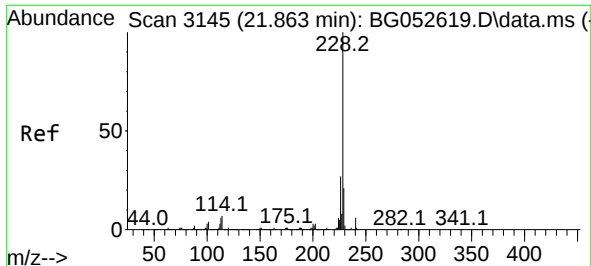
Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 6.9 5.8 8.6

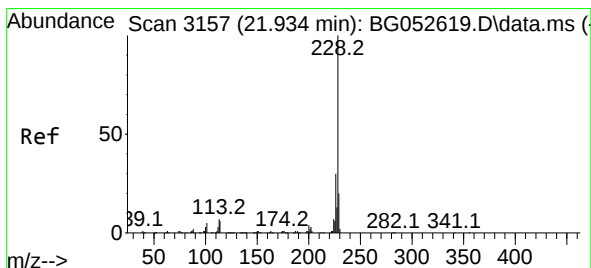
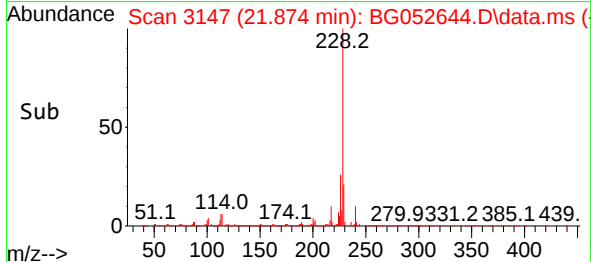
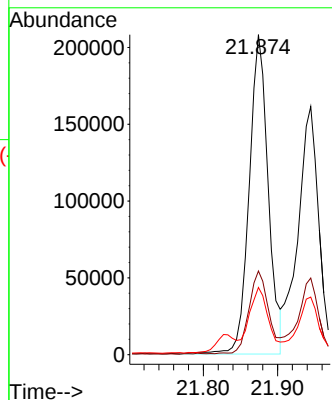
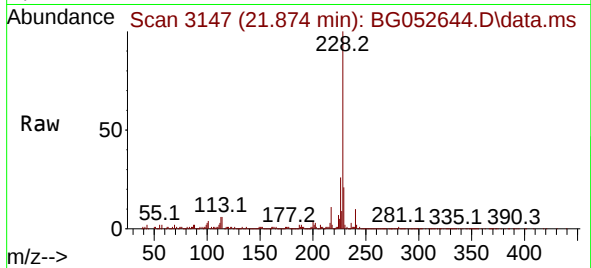




#81
Benzo(a)anthracene
Concen: 29.036 ng
RT: 21.874 min Scan# 3147
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

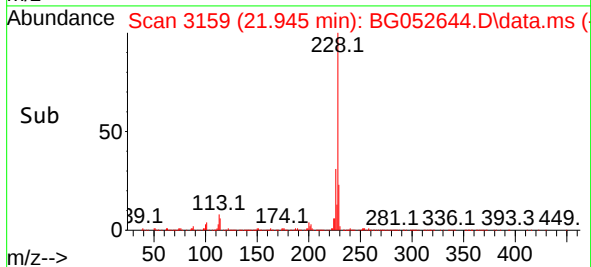
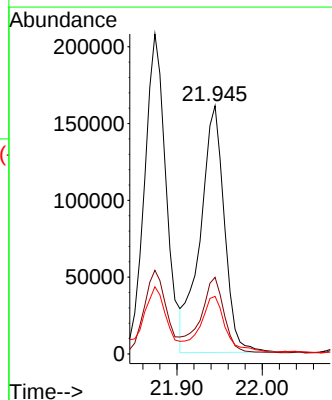
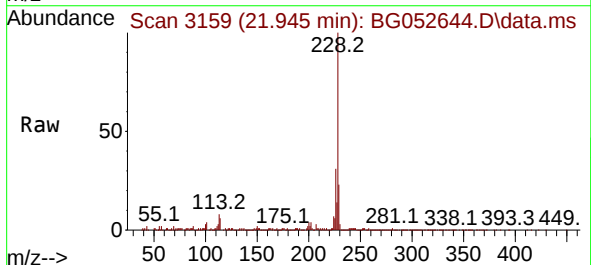
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

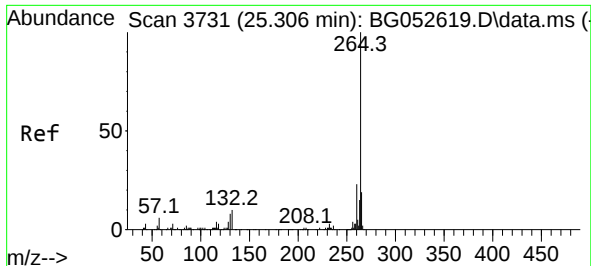
Tgt Ion:228 Resp: 369765
Ion Ratio Lower Upper
228 100
226 26.2 21.4 32.0
229 21.0 16.7 25.1



#83
Chrysene
Concen: 26.520 ng
RT: 21.945 min Scan# 3159
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:228 Resp: 315773
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 23.2 16.3 24.5

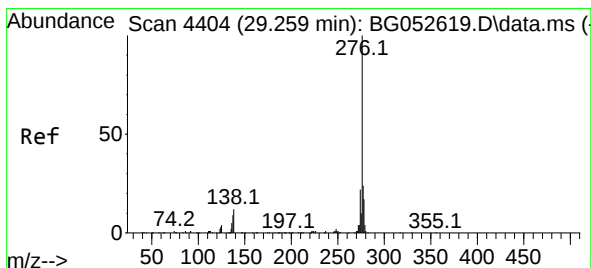
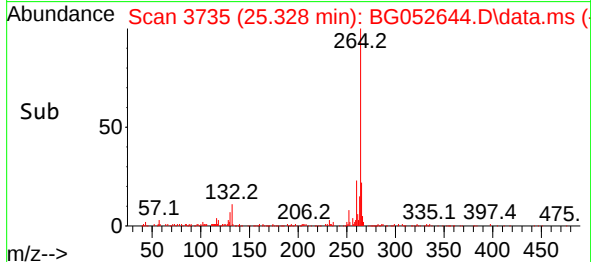
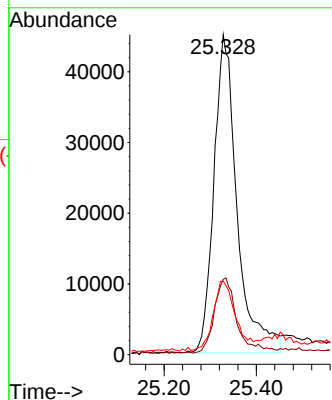
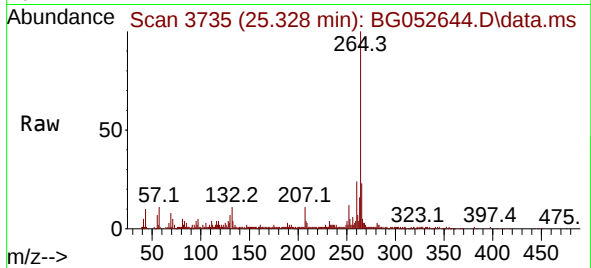




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.328 min Scan# 31
 Delta R.T. 0.022 min
 Lab File: BG052644.D
 Acq: 10 Mar 2022 21:28

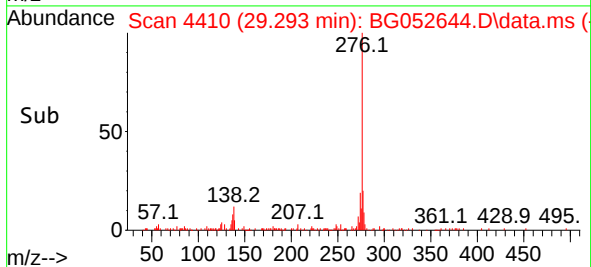
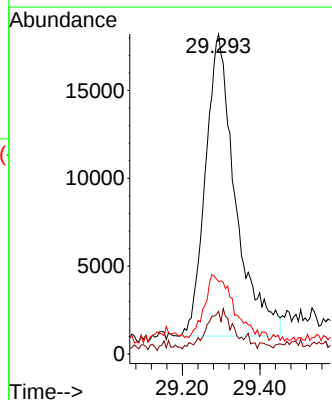
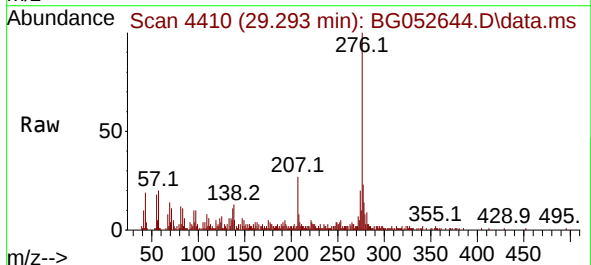
Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5DL

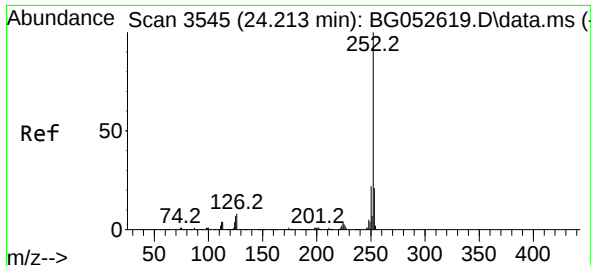
Tgt Ion:264 Resp: 157535
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.2
 265 23.0 15.1 22.7#



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.136 ng
 RT: 29.293 min Scan# 4410
 Delta R.T. 0.034 min
 Lab File: BG052644.D
 Acq: 10 Mar 2022 21:28

Tgt Ion:276 Resp: 91850
 Ion Ratio Lower Upper
 276 100
 138 6.4 8.7 13.1#
 277 20.0 20.2 30.4#

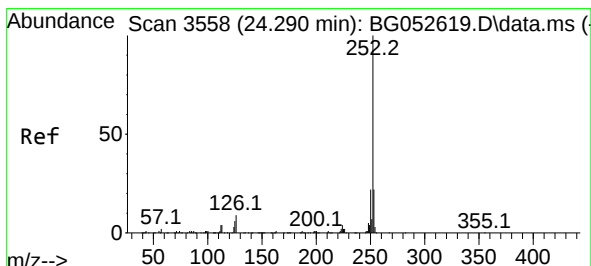
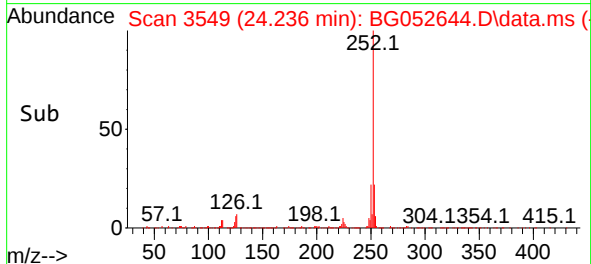
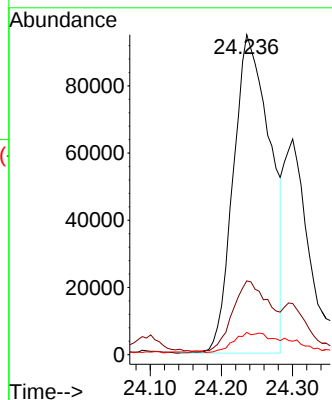
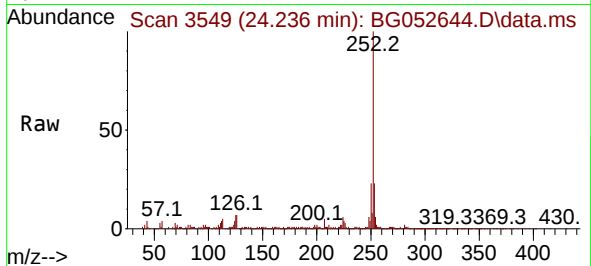




#88
Benzo(b)fluoranthene
Concen: 35.200 ng
RT: 24.236 min Scan# 31
Delta R.T. 0.022 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

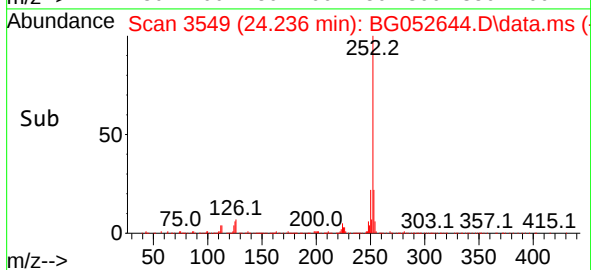
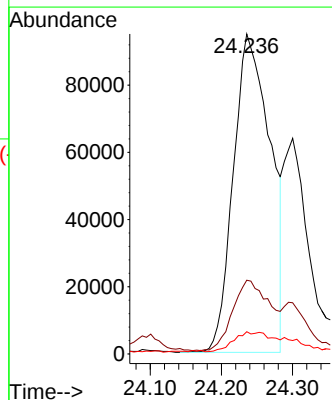
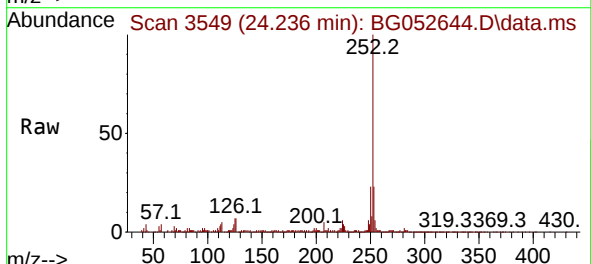
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

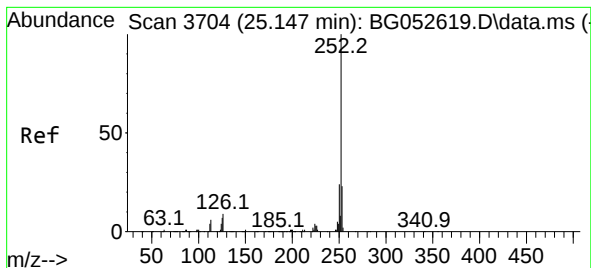
Tgt Ion:252 Resp: 342370
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 6.9 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 35.001 ng
RT: 24.236 min Scan# 3549
Delta R.T. -0.054 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:252 Resp: 342370
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 6.9 5.0 7.4





#90

Benzo(a)pyrene

Concen: 29.966 ng

RT: 25.170 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5DL

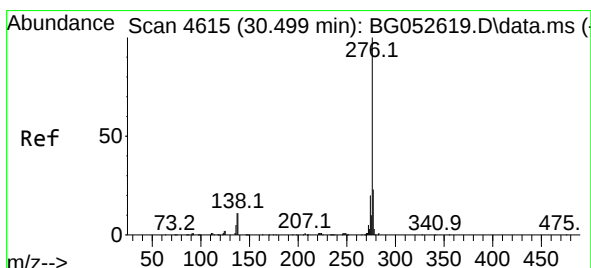
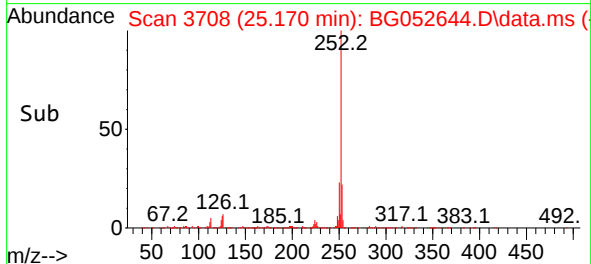
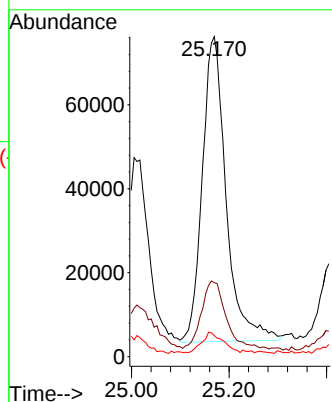
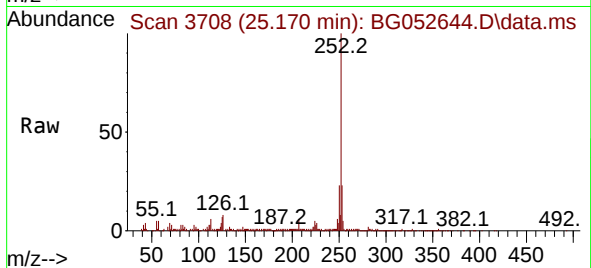
Tgt Ion:252 Resp: 246608

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 6.6 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 8.135 ng

RT: 30.533 min Scan# 4621

Delta R.T. 0.034 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Tgt Ion:276 Resp: 74384

Ion Ratio Lower Upper

276 100

277 23.3 18.2 27.2

138 13.7 9.1 13.7#

