

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053253.D
 Acq On : 21 Apr 2022 22:42
 Operator : CG/JU
 Sample : N2507-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-01-042022

Quant Time: Apr 22 02:58:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

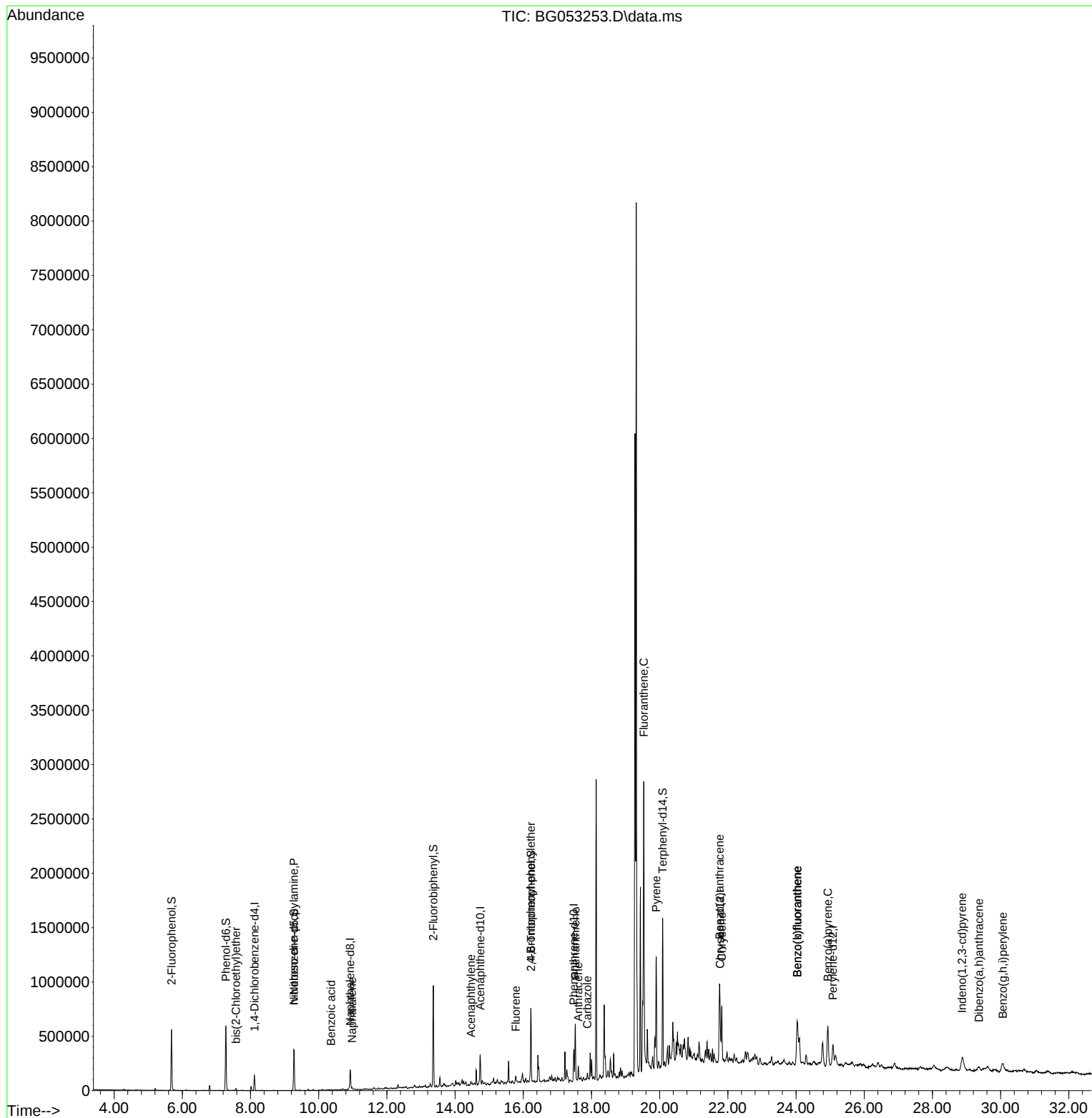
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	37883	20.000	ng	0.00
21) Naphthalene-d8	10.925	136	149525	20.000	ng	-0.01
39) Acenaphthene-d10	14.737	164	96154	20.000	ng	-0.01
64) Phenanthrene-d10	17.481	188	189377	20.000	ng	-0.01
76) Chrysene-d12	21.775	240	177227	20.000	ng	0.00
86) Perylene-d12	25.082	264	188287	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	230666	104.375	ng	0.00
7) Phenol-d6	7.277	99	338851	99.428	ng	0.00
23) Nitrobenzene-d5	9.274	82	241731	65.642	ng	-0.01
42) 2,4,6-Tribromophenol	16.230	330	133562	87.308	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	495197	71.014	ng	0.00
79) Terphenyl-d14	20.089	244	661611	63.049	ng	0.00
Target Compounds						
						Qvalue
11) bis(2-Chloroethyl)ether	7.577	93	5505	2.251	ng	# 20
19) n-Nitroso-di-n-propyla...	9.274	70	34353	13.769	ng	# 73
31) Naphthalene	10.978	128	16069	2.014	ng	98
32) Benzoic acid	10.361	122	63	3.671	ng	# 1
49) Acenaphthylene	14.467	152	29178	3.374	ng	98
58) Fluorene	15.783	166	28312	3.817	ng	94
67) 4-Bromophenyl-phenylether	16.224	248	8874	3.657	ng	# 1
71) Phenanthrene	17.528	178	328697	31.776	ng	98
72) Anthracene	17.616	178	92297	9.006	ng	98
73) Carbazole	17.880	167	22047	2.213	ng	# 95
75) Fluoranthene	19.537	202	775265	58.469	ng	98
78) Pyrene	19.901	202	702092	55.624	ng	99
81) Benzo(a)anthracene	21.757	228	464767	38.355	ng	98
83) Chrysene	21.822	228	390515	34.725	ng	97
87) Indeno(1,2,3-cd)pyrene	28.871	276	246065	17.590	ng	# 74
88) Benzo(b)fluoranthene	24.037	252	556422	46.838	ng	97
89) Benzo(k)fluoranthene	24.037	252	556422	47.657	ng	97
90) Benzo(a)pyrene	24.935	252	429381	42.427	ng	99
91) Dibenzo(a,h)anthracene	29.365	278	50826	4.415	ng	97
92) Benzo(g,h,i)perylene	30.064	276	217448	19.162	ng	93

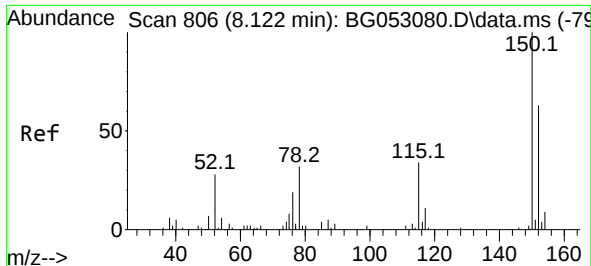
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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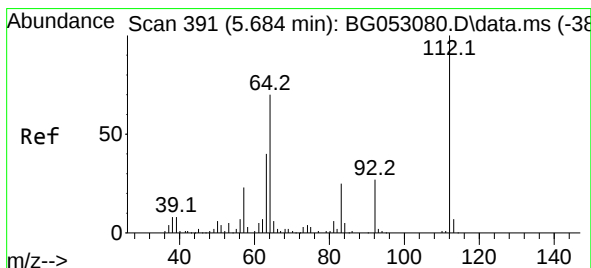
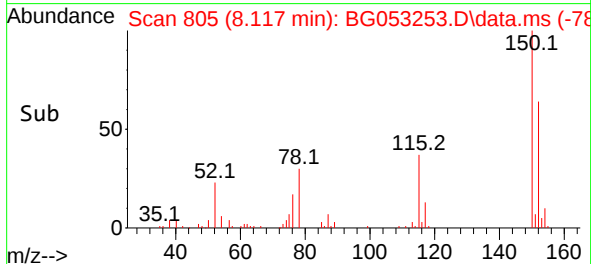
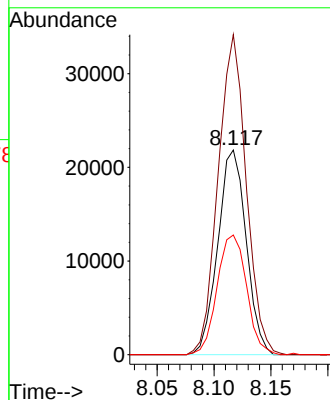
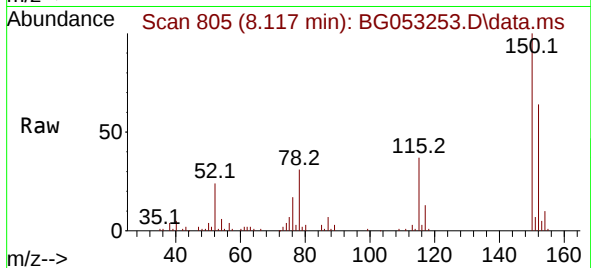




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.117 min Scan# 806
 Delta R.T. -0.005 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

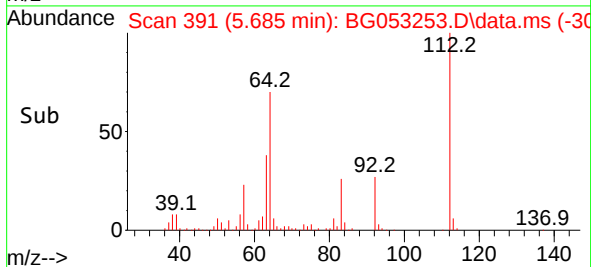
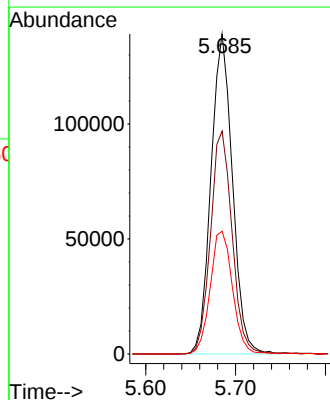
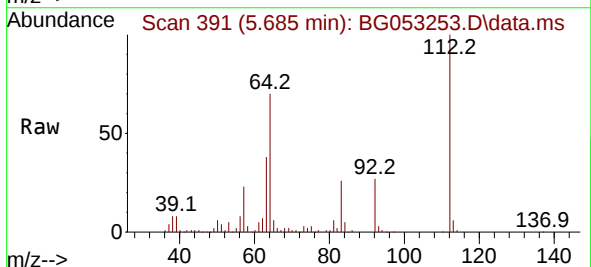
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-042022

Tgt Ion:152 Resp: 37883
 Ion Ratio Lower Upper
 152 100
 150 156.3 114.6 172.0
 115 58.5 45.9 68.9



#5
 2-Fluorophenol
 Concen: 104.375 ng
 RT: 5.685 min Scan# 391
 Delta R.T. 0.001 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

Tgt Ion:112 Resp: 230666
 Ion Ratio Lower Upper
 112 100
 64 69.7 48.0 72.0
 63 38.4 26.5 39.7

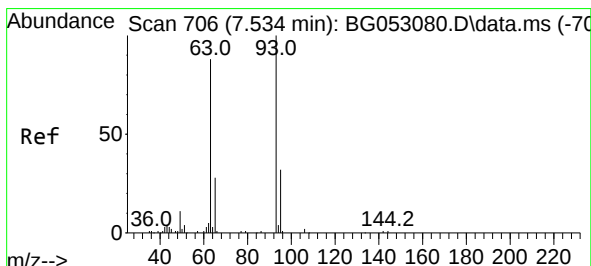
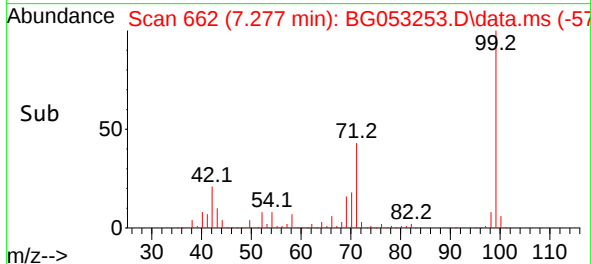
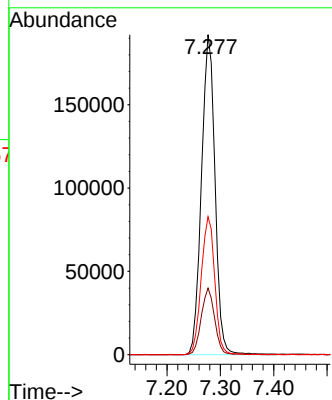
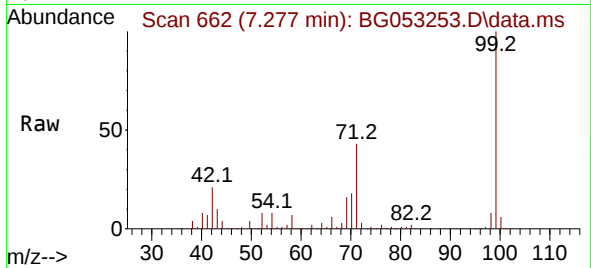




#7
Phenol-d6
Concen: 99.428 ng
RT: 7.277 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

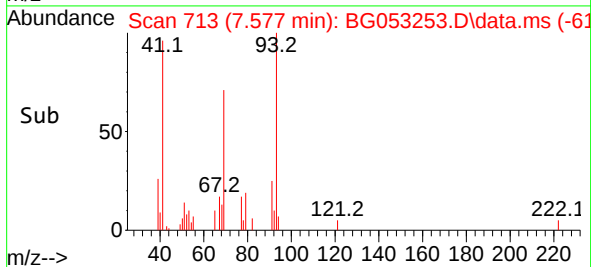
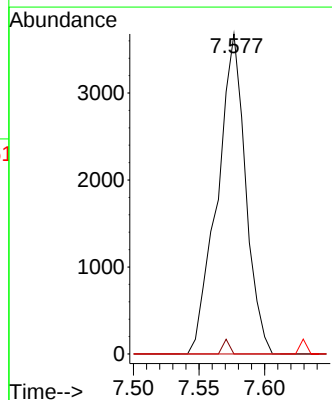
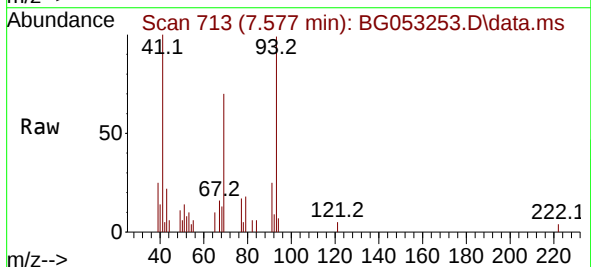
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ClientSampleId :
PL-01-042022

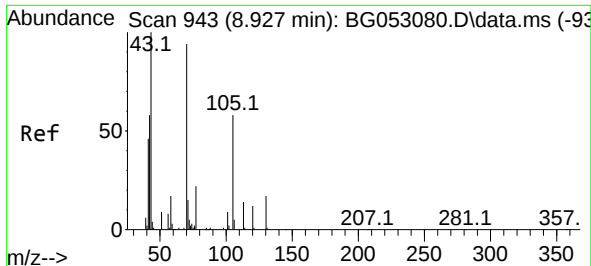
Tgt Ion: 99 Resp: 338851
Ion Ratio Lower Upper
99 100
42 20.8 14.7 22.1
71 43.1 29.2 43.8



#11
bis(2-Chloroethyl)ether
Concen: 2.251 ng
RT: 7.577 min Scan# 713
Delta R.T. 0.042 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion: 93 Resp: 5505
Ion Ratio Lower Upper
93 100
63 0.0 56.9 96.9#
95 0.0 14.5 54.5#

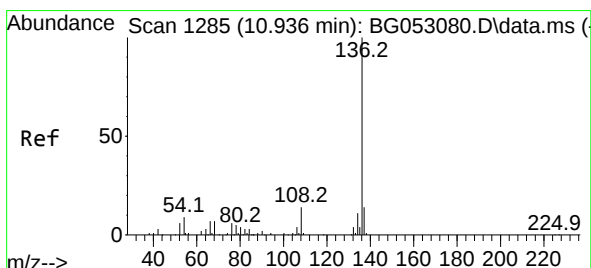
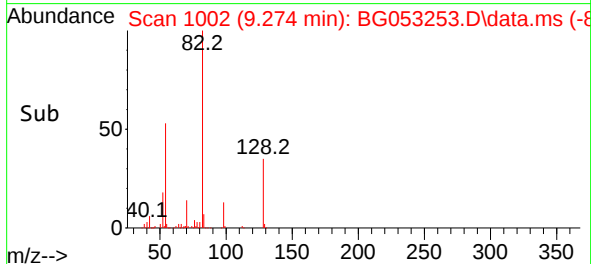
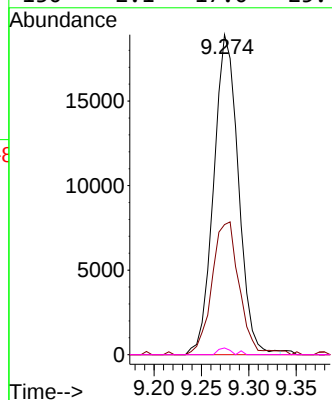
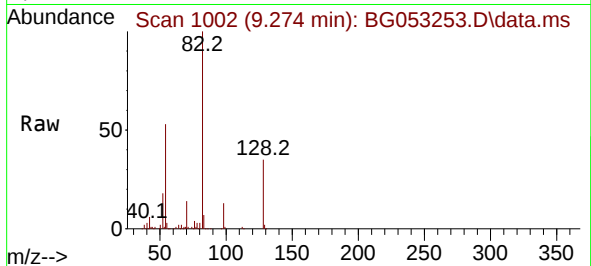




#19
n-Nitroso-di-n-propylamine
Concen: 13.769 ng
RT: 9.274 min Scan# 10
Delta R.T. 0.348 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

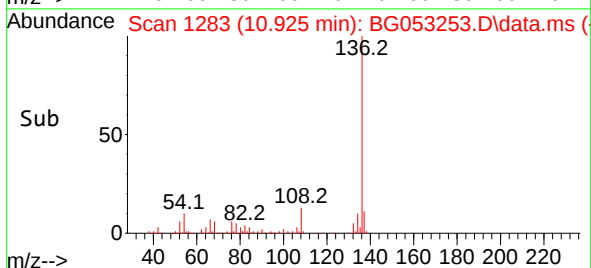
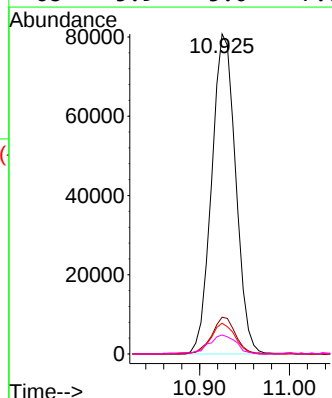
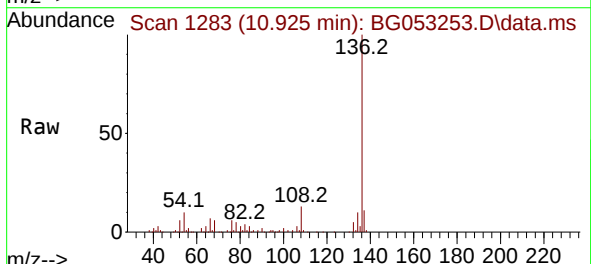
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

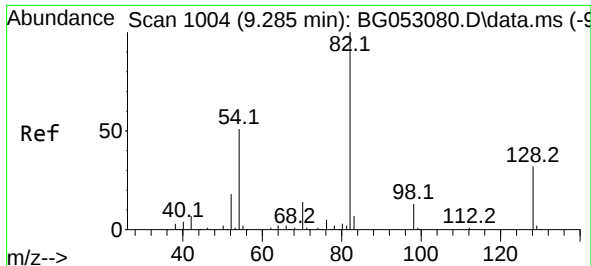
Tgt Ion: 70 Resp: 34353
Ion Ratio Lower Upper
70 100
42 40.6 46.0 69.0#
101 0.0 6.2 9.4#
130 2.1 17.0 25.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.925 min Scan# 1283
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion: 136 Resp: 149525
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 9.6 6.4 9.6
68 5.9 5.0 7.6

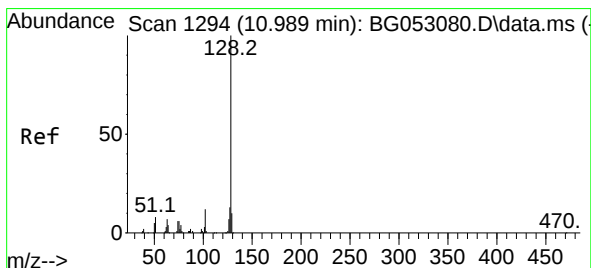
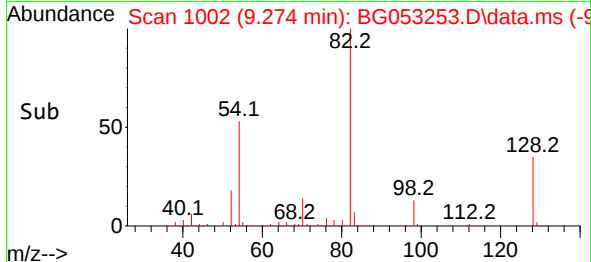
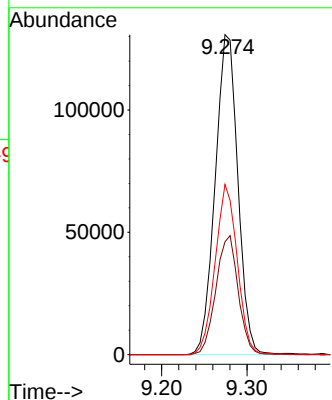
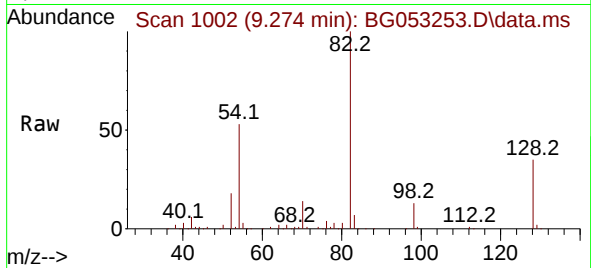




#23
Nitrobenzene-d5
Concen: 65.642 ng
RT: 9.274 min Scan# 1002
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

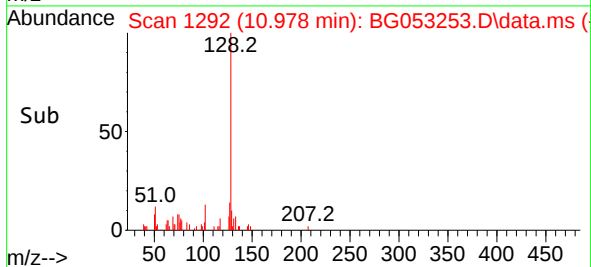
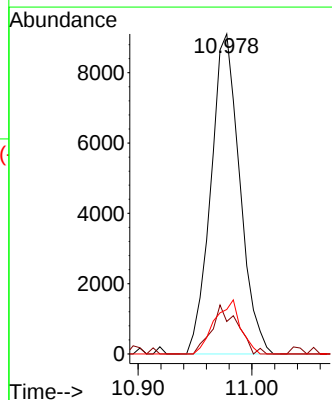
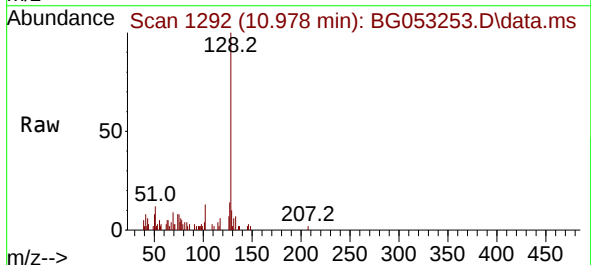
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

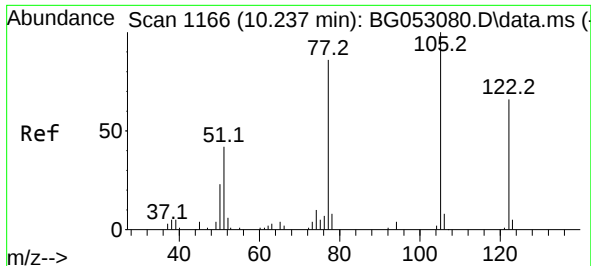
Tgt Ion: 82 Resp: 241731
Ion Ratio Lower Upper
82 100
128 35.3 31.3 46.9
54 53.2 37.8 56.8



#31
Naphthalene
Concen: 2.014 ng
RT: 10.978 min Scan# 1292
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion: 128 Resp: 16069
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 13.9 10.5 15.7

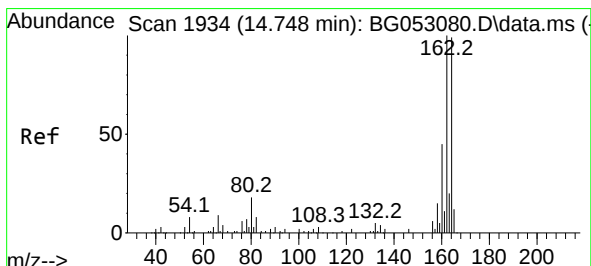
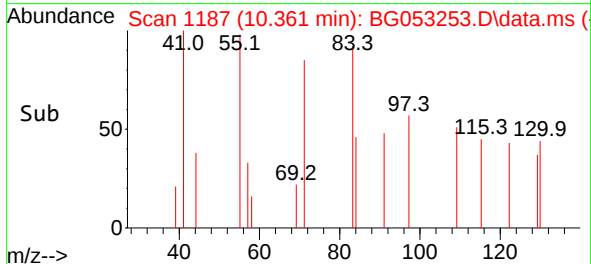
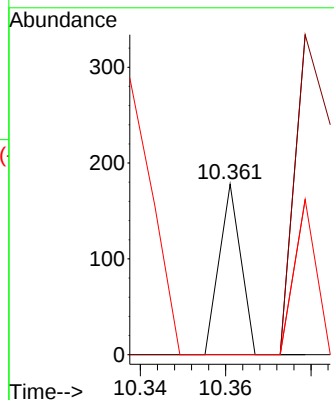
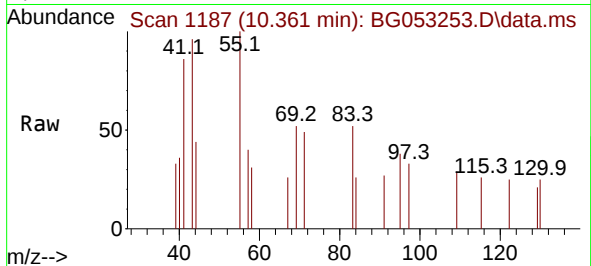




#32
Benzoic acid
Concen: 3.671 ng
RT: 10.361 min Scan# 1166
Delta R.T. 0.124 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

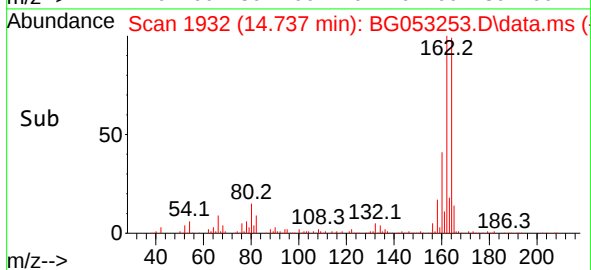
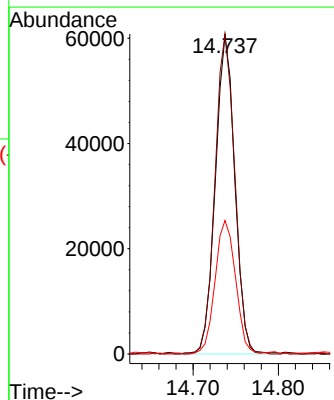
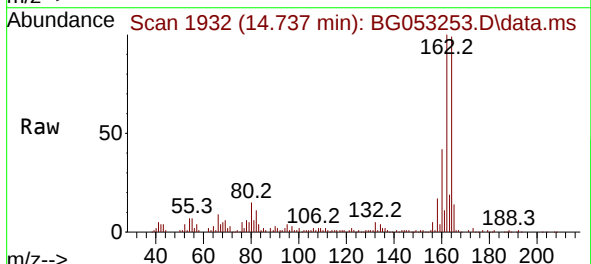
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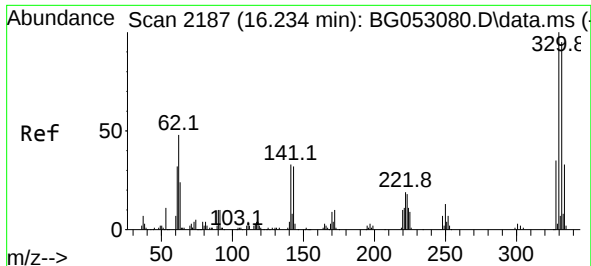
Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:164 Resp: 96154
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 42.0 38.8 58.2

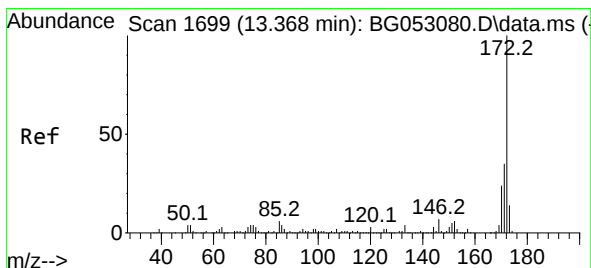
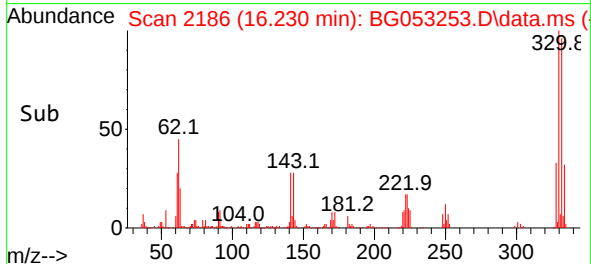
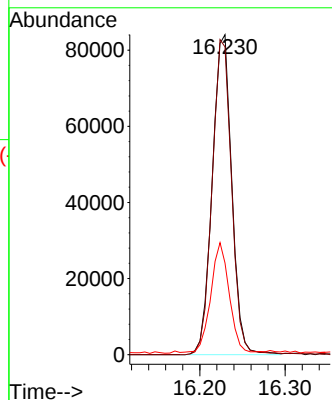
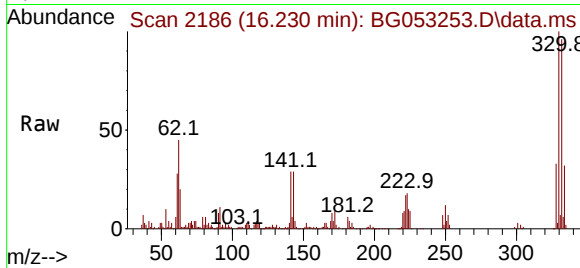




#42
2,4,6-Tribromophenol
Concen: 87.308 ng
RT: 16.230 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

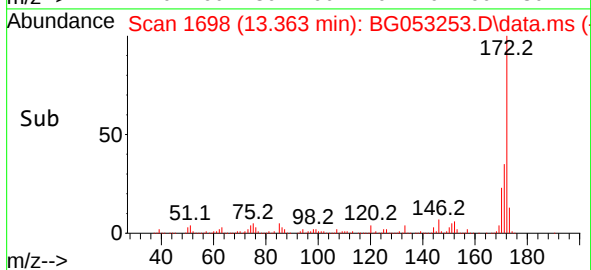
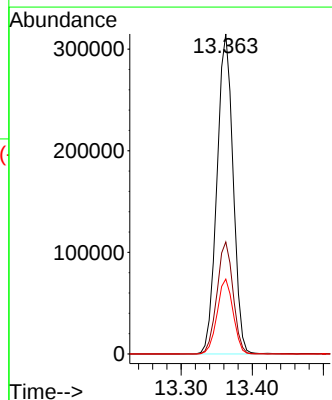
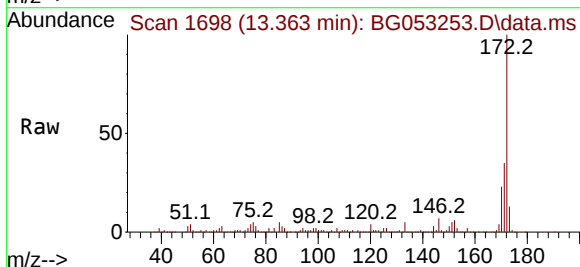
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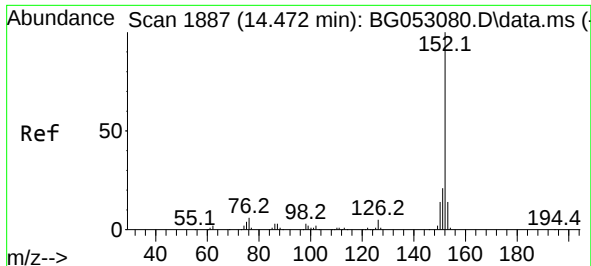
Tgt Ion:330 Resp: 133562
Ion Ratio Lower Upper
330 100
332 98.4 75.8 113.6
141 31.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 71.014 ng
RT: 13.363 min Scan# 1698
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:172 Resp: 495197
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.4 18.0 27.0

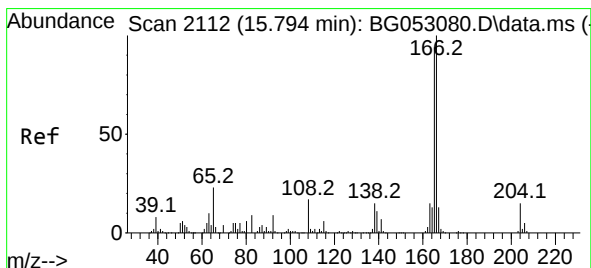
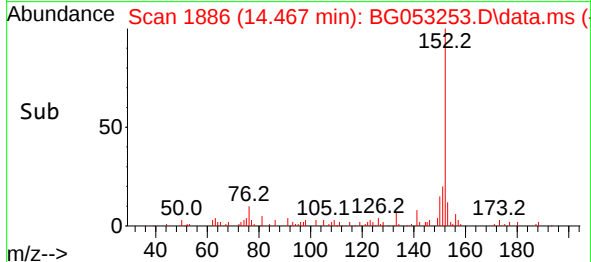
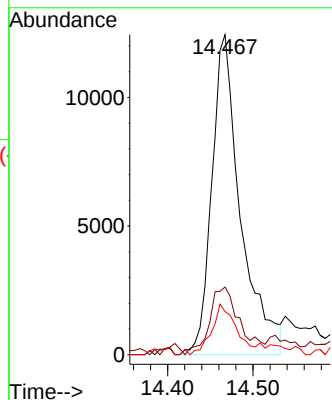
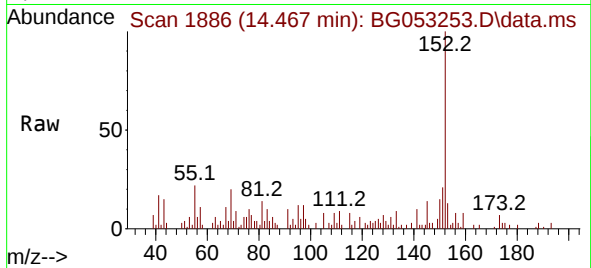




#49
Acenaphthylene
Concen: 3.374 ng
RT: 14.467 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

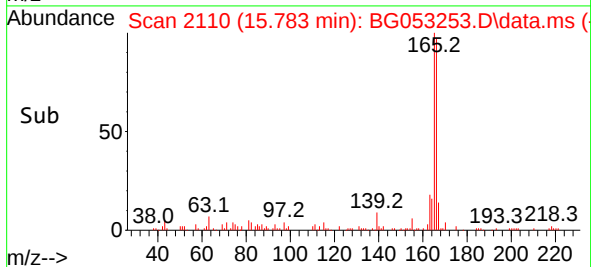
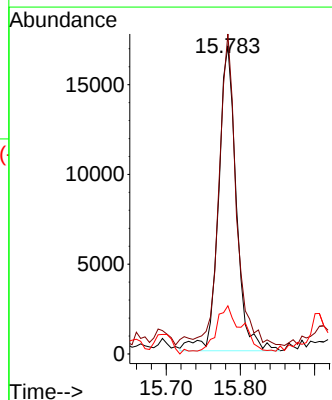
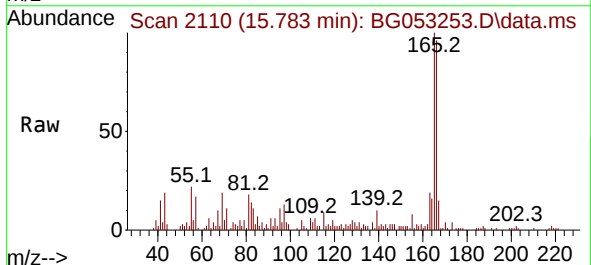
Instrument :
BNA_G
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PL-01-042022

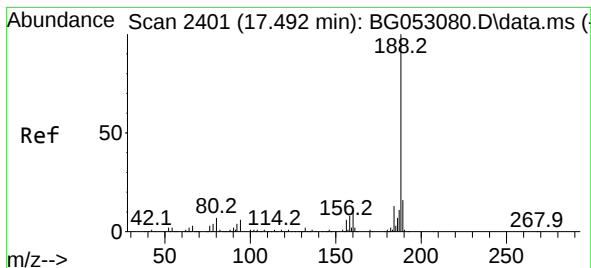
Tgt Ion:152 Resp: 29178
Ion Ratio Lower Upper
152 100
151 21.2 15.8 23.6
153 13.5 10.6 15.8



#58
Fluorene
Concen: 3.817 ng
RT: 15.783 min Scan# 2110
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:166 Resp: 28312
Ion Ratio Lower Upper
166 100
165 104.0 78.6 117.8
167 15.6 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.481 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

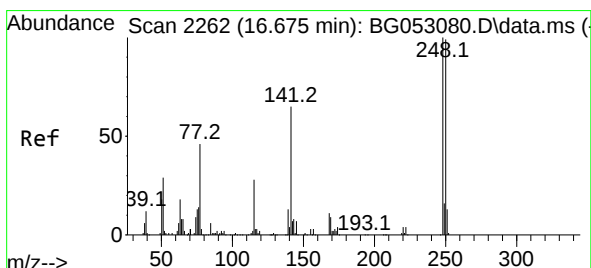
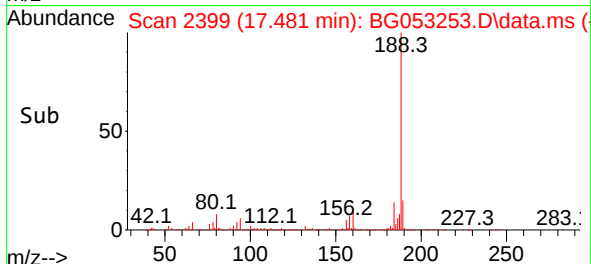
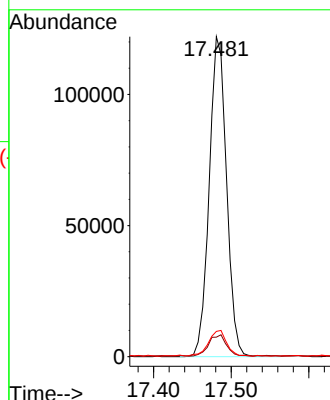
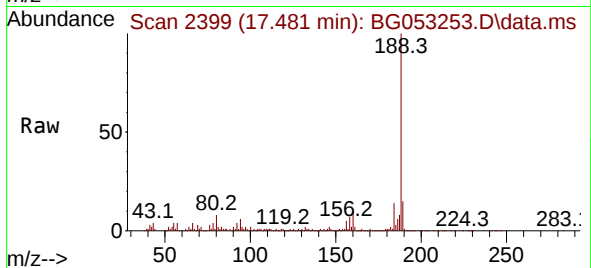
Tgt Ion:188 Resp: 189377

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

80 7.9 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.657 ng

RT: 16.224 min Scan# 2185

Delta R.T. -0.451 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

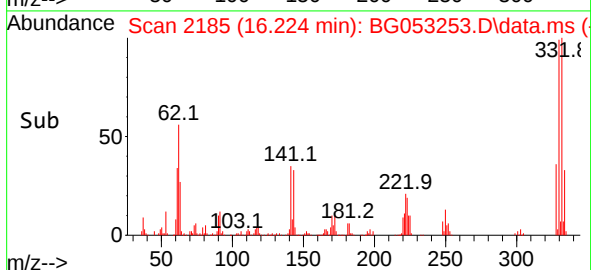
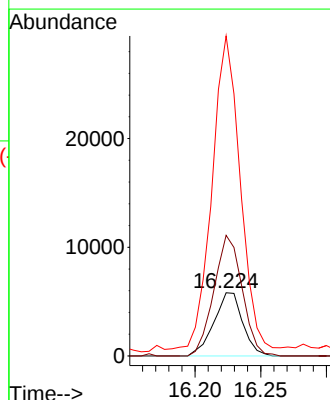
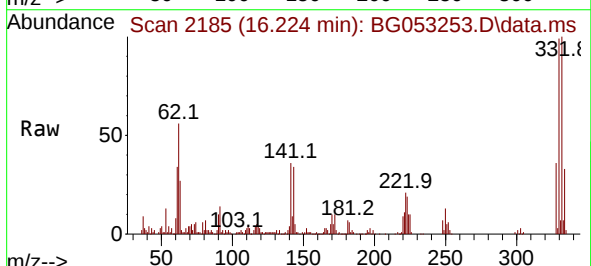
Tgt Ion:248 Resp: 8874

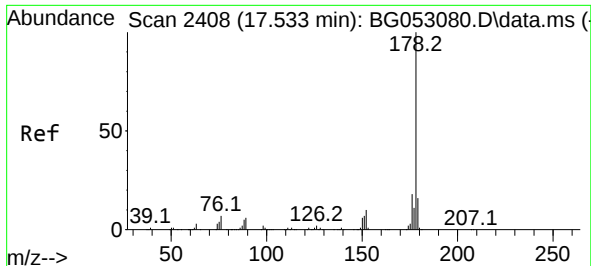
Ion Ratio Lower Upper

248 100

250 190.8 77.9 116.9#

141 506.5 49.2 73.8#

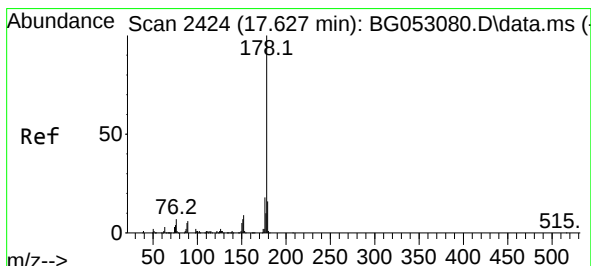
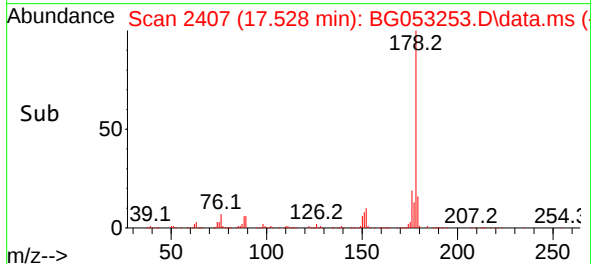
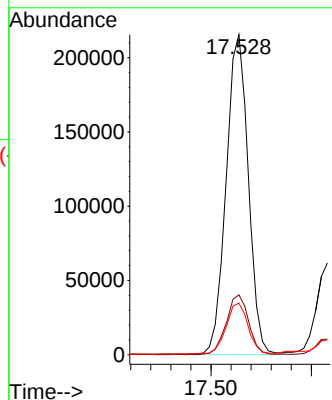
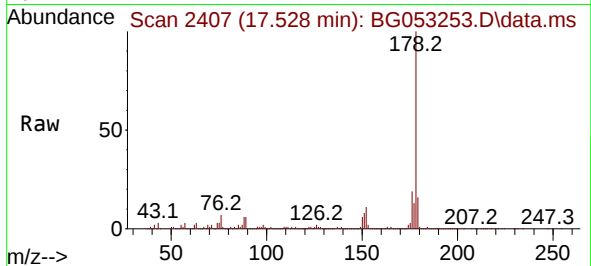




#71
Phenanthrene
Concen: 31.776 ng
RT: 17.528 min Scan# 2408
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

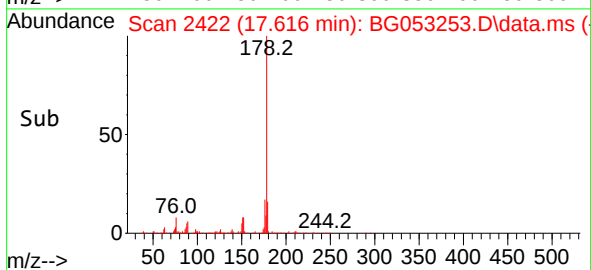
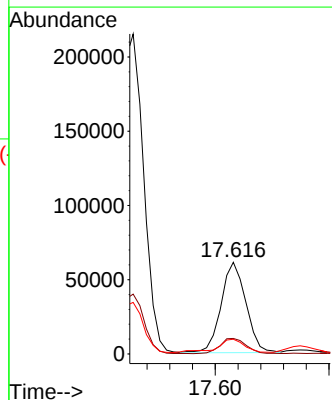
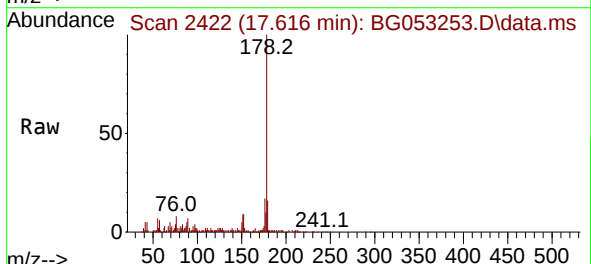
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

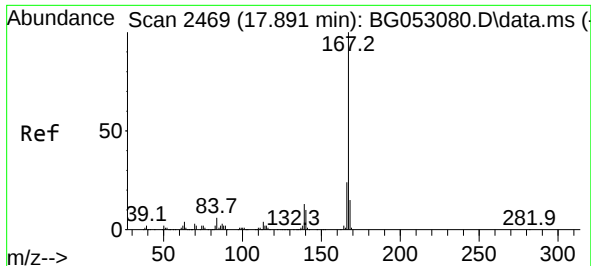
Tgt Ion:178 Resp: 328697
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 16.1 13.4 20.2



#72
Anthracene
Concen: 9.006 ng
RT: 17.616 min Scan# 2422
Delta R.T. -0.011 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:178 Resp: 92297
Ion Ratio Lower Upper
178 100
176 17.0 14.7 22.1
179 16.2 13.2 19.8

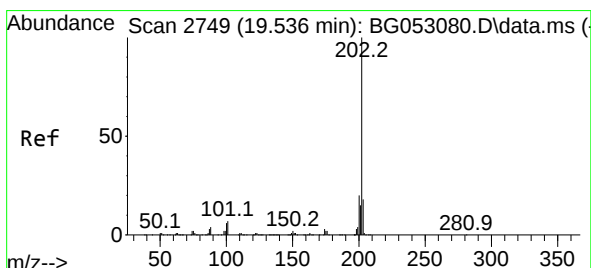
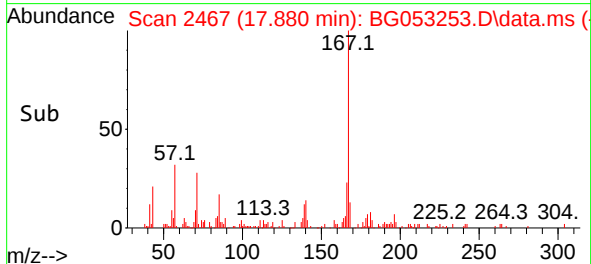
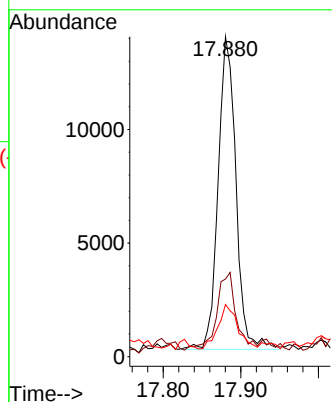
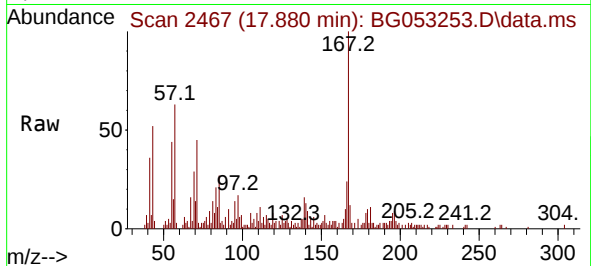




#73
 Carbazole
 Concen: 2.213 ng
 RT: 17.880 min Scan# 2467
 Delta R.T. -0.011 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

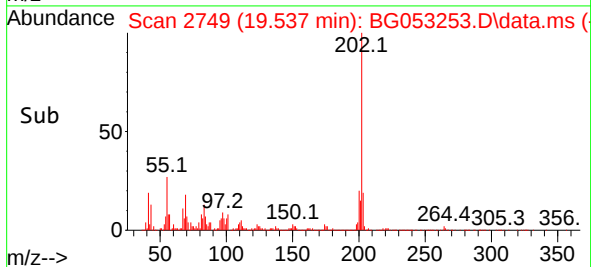
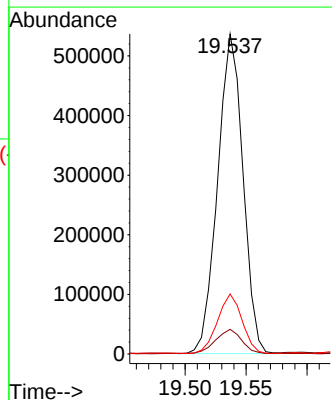
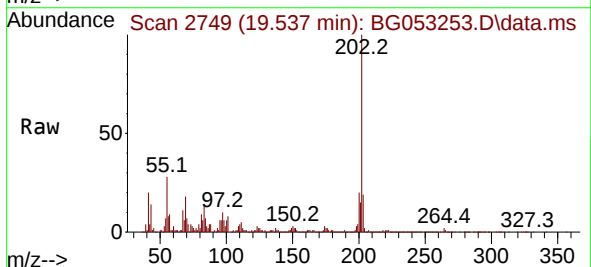
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-042022

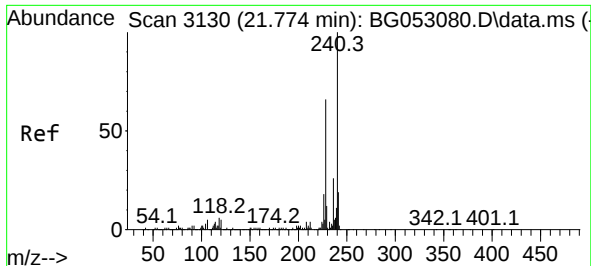
Tgt Ion:167 Resp: 22047
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.5 27.7
 139 16.3 10.0 15.0#



#75
 Fluoranthene
 Concen: 58.469 ng
 RT: 19.537 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

Tgt Ion:202 Resp: 775265
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 27.3
 203 18.8 0.0 37.7

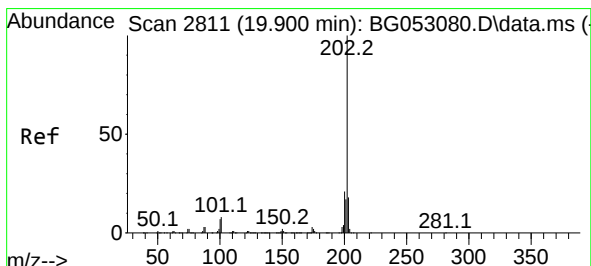
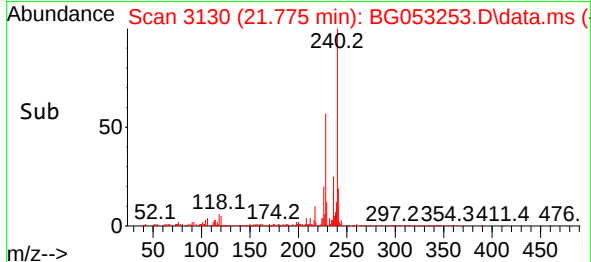
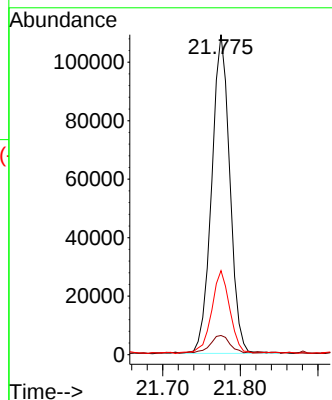
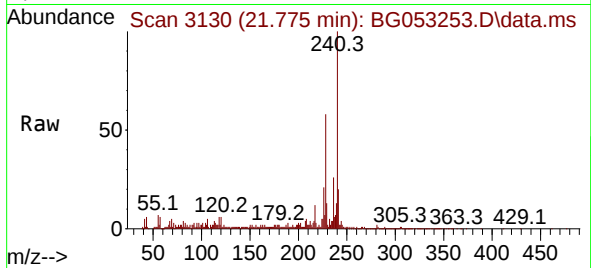




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

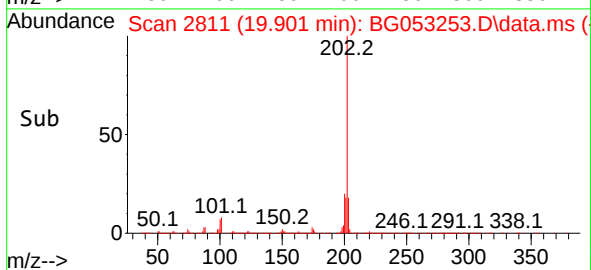
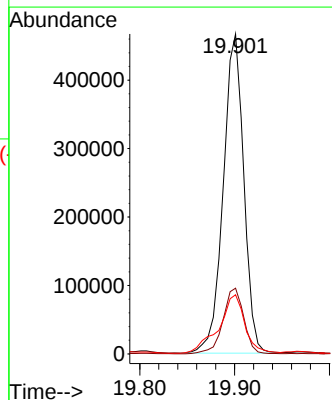
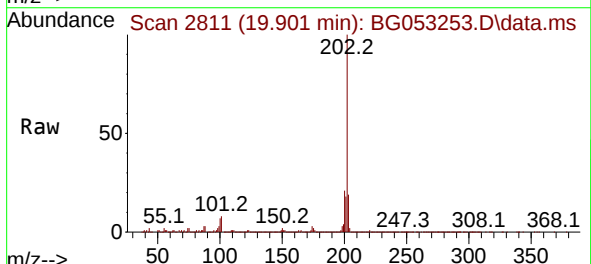
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

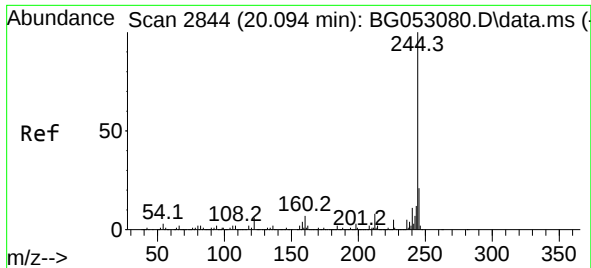
Tgt Ion:240 Resp: 177227
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 26.3 19.8 29.6



#78
Pyrene
Concen: 55.624 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:202 Resp: 702092
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.5 15.0 22.6

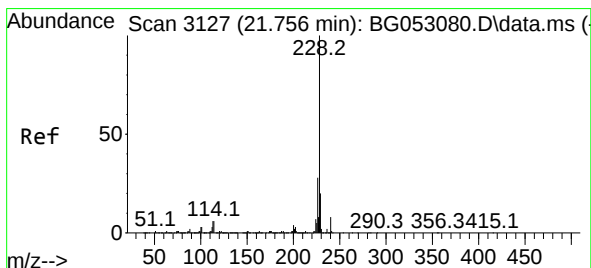
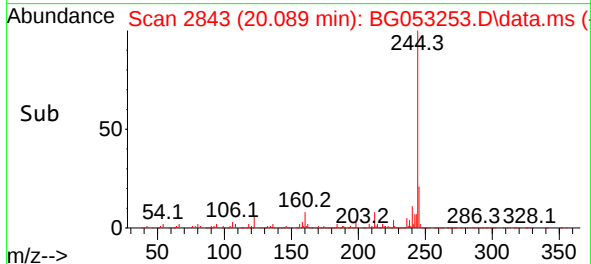
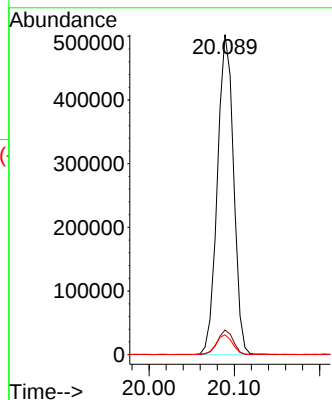
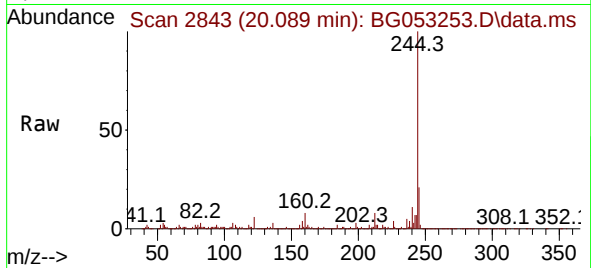




#79
 Terphenyl-d14
 Concen: 63.049 ng
 RT: 20.089 min Scan# 2844
 Delta R.T. -0.005 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

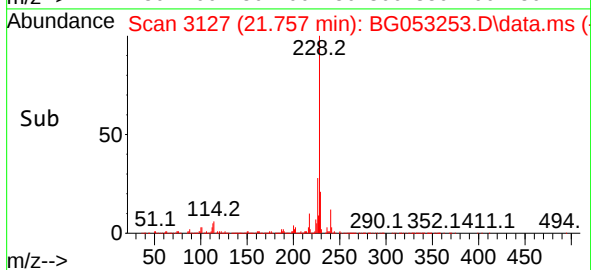
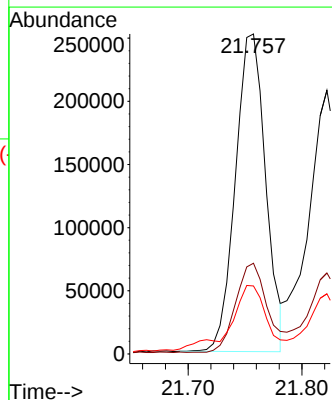
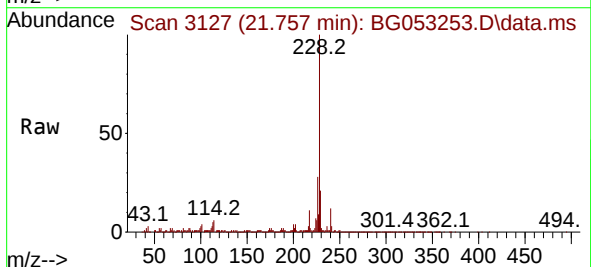
Instrument :
 BNA_G
 ClientSampleId :
 PL-01-042022

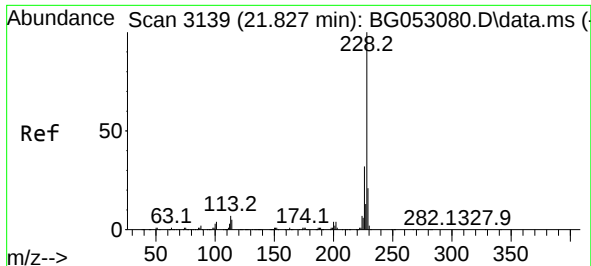
Tgt Ion:244 Resp: 661611
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.2 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 38.355 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. 0.001 min
 Lab File: BG053253.D
 Acq: 21 Apr 2022 22:42

Tgt Ion:228 Resp: 464767
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.4 32.0
 229 21.3 16.7 25.1

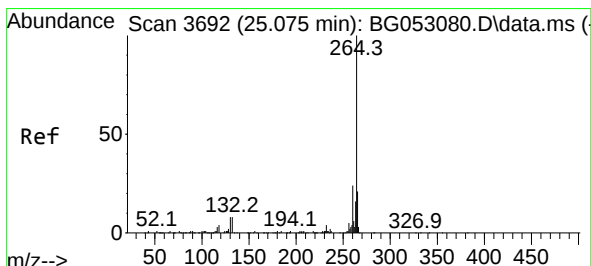
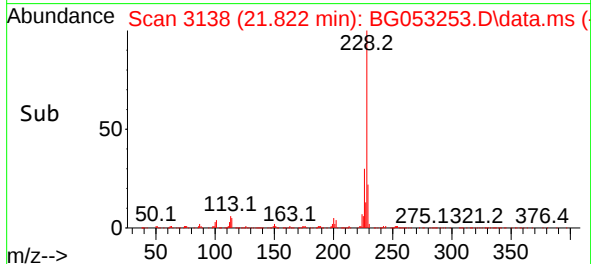
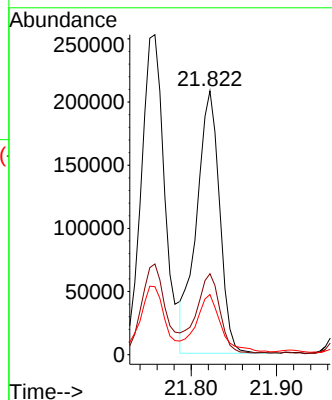
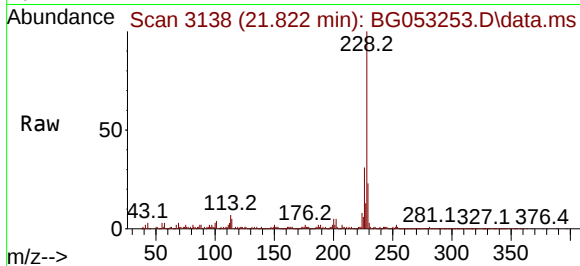




#83
Chrysene
Concen: 34.725 ng
RT: 21.822 min Scan# 3139
Delta R.T. -0.005 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

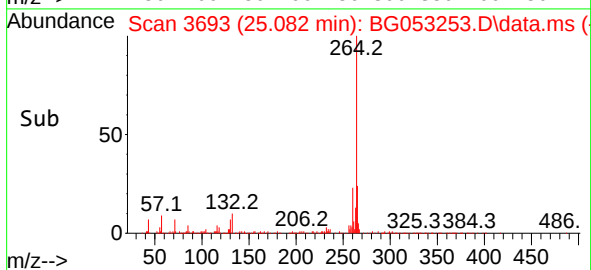
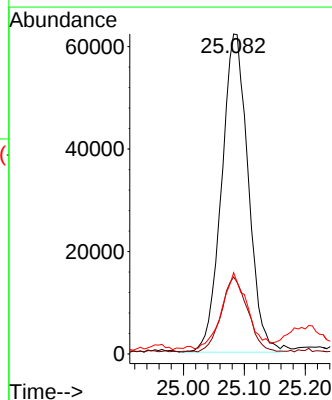
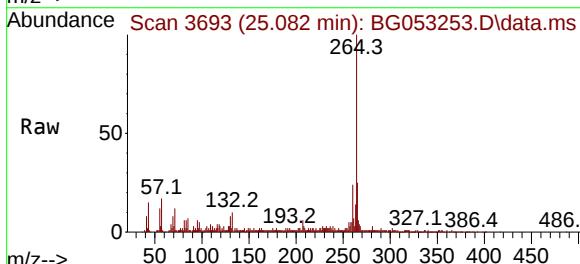
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

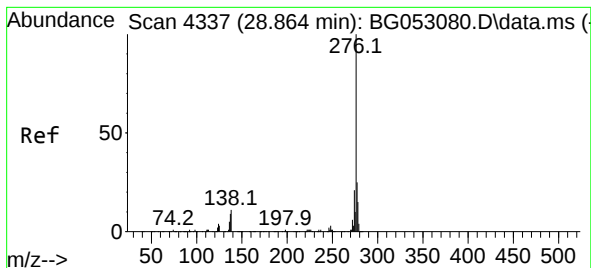
Tgt Ion:228 Resp: 390515
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 22.8 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 3693
Delta R.T. 0.007 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:264 Resp: 188287
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.2
265 25.4 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.590 ng

RT: 28.871 min Scan# 41

Delta R.T. 0.007 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

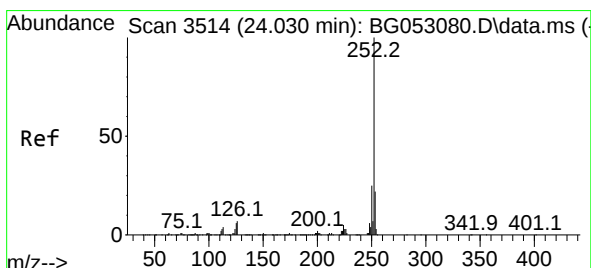
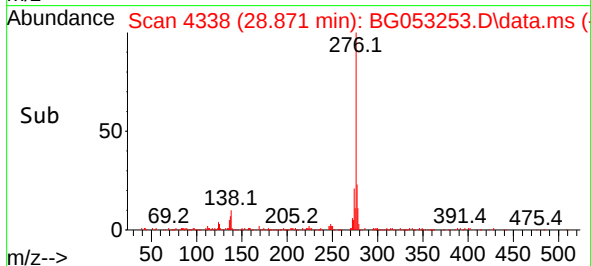
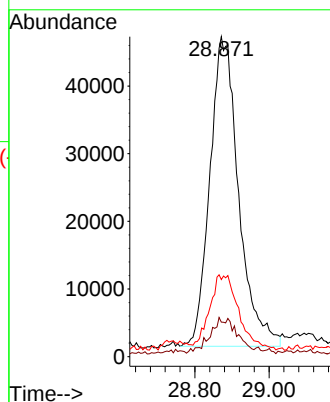
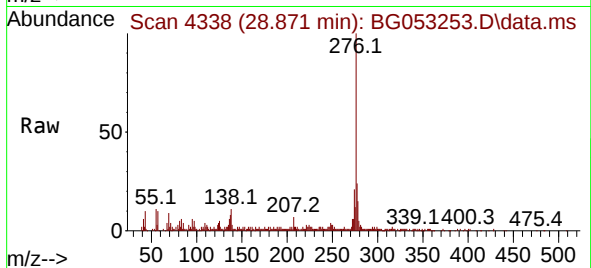
Tgt Ion:276 Resp: 246065

Ion Ratio Lower Upper

276 100

138 6.2 8.7 13.1#

277 9.5 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 46.838 ng

RT: 24.037 min Scan# 3515

Delta R.T. 0.007 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

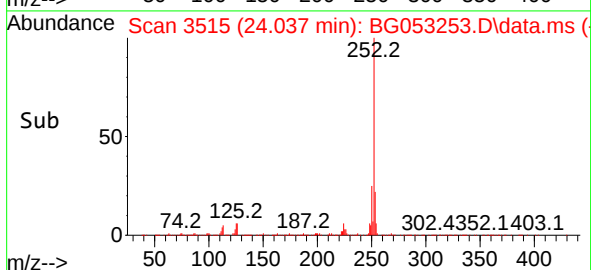
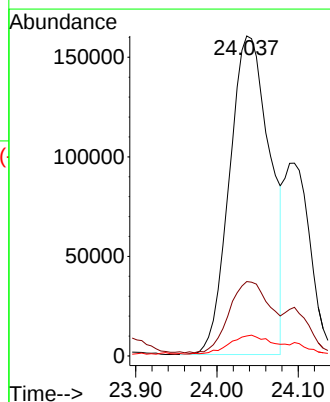
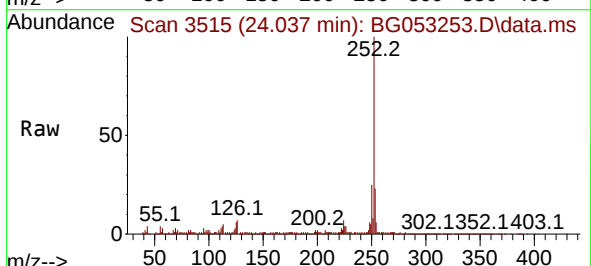
Tgt Ion:252 Resp: 556422

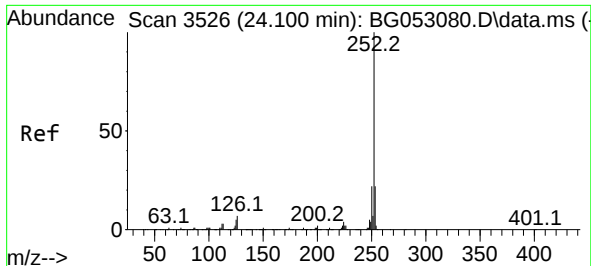
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 6.3 5.2 7.8

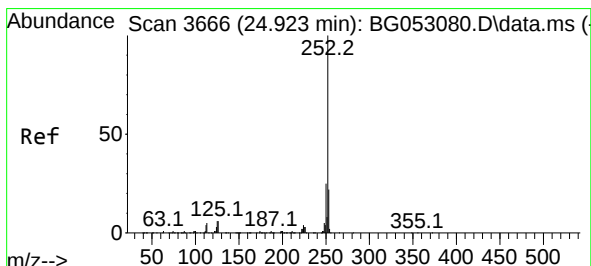
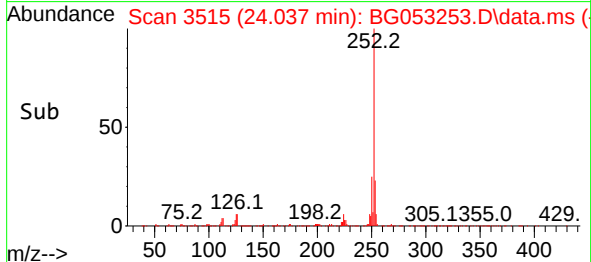
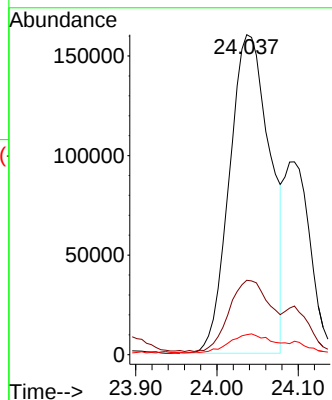
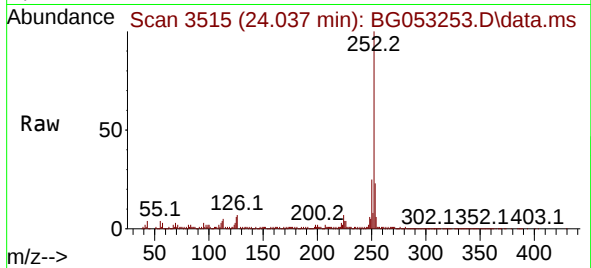




#89
Benzo(k)fluoranthene
Concen: 47.657 ng
RT: 24.037 min Scan# 31
Delta R.T. -0.064 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

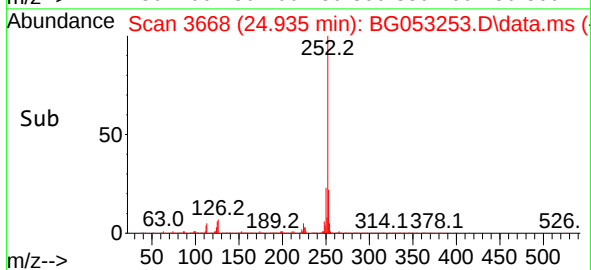
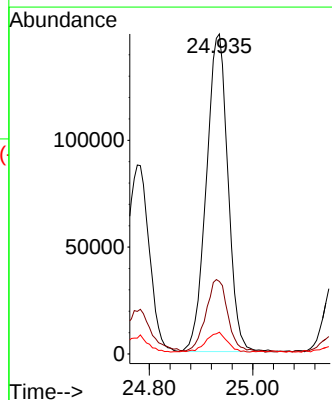
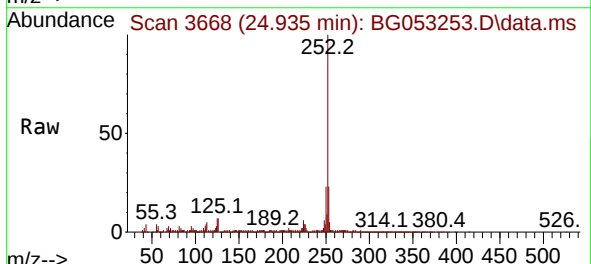
Instrument :
BNA_G
ClientSampleId :
PL-01-042022

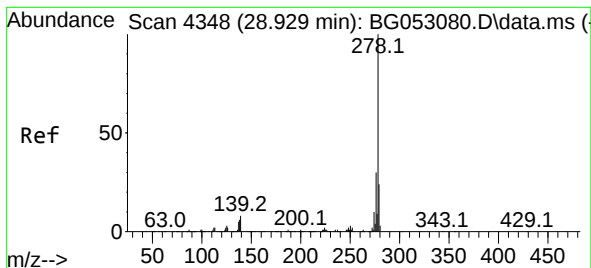
Tgt Ion:252 Resp: 556422
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 6.3 5.0 7.4



#90
Benzo(a)pyrene
Concen: 42.427 ng
RT: 24.935 min Scan# 3668
Delta R.T. 0.013 min
Lab File: BG053253.D
Acq: 21 Apr 2022 22:42

Tgt Ion:252 Resp: 429381
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 6.8 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 4.415 ng

RT: 29.365 min Scan# 4422

Delta R.T. 0.436 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

Instrument :

BNA_G

ClientSampleId :

PL-01-042022

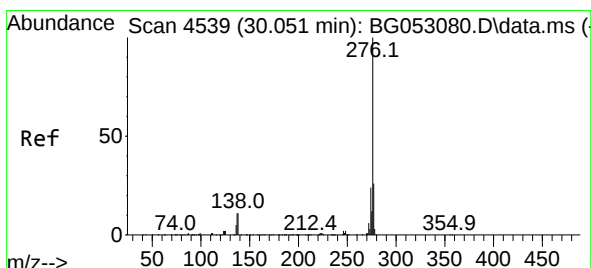
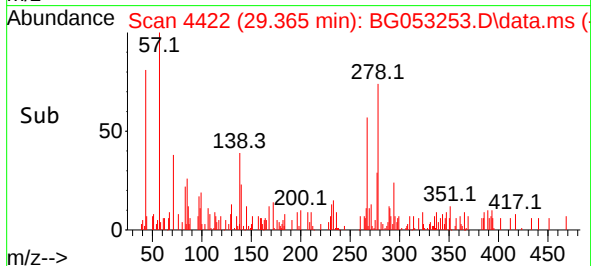
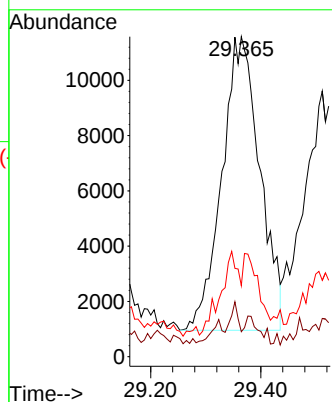
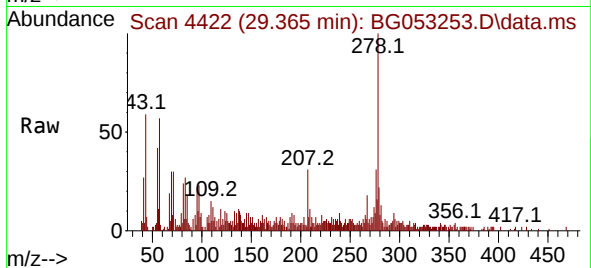
Tgt Ion:278 Resp: 50826

Ion Ratio Lower Upper

278 100

139 7.8 7.8 11.6

279 22.2 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 19.162 ng

RT: 30.064 min Scan# 4541

Delta R.T. 0.013 min

Lab File: BG053253.D

Acq: 21 Apr 2022 22:42

Tgt Ion:276 Resp: 217448

Ion Ratio Lower Upper

276 100

277 27.0 18.2 27.2

138 10.3 9.1 13.7

