

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054123.D
 Acq On : 28 Jun 2022 18:51
 Operator : CG/JU
 Sample : N3488-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 00:50:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

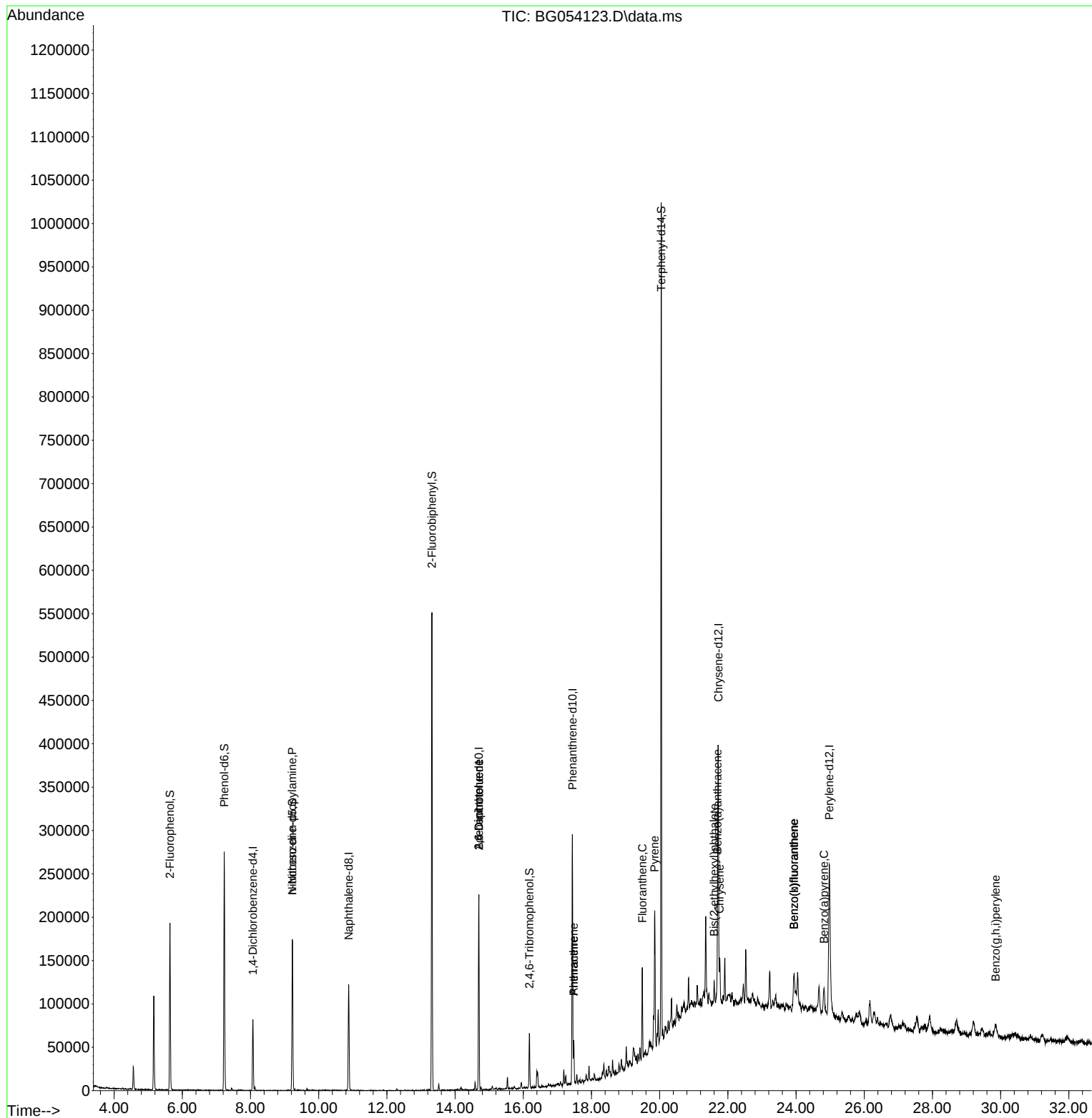
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	25572	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	113073	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	85099	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	199430	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	192834	20.000	ng	0.00
86) Perylene-d12	24.974	264	201954	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	89986	67.279	ng	0.00
7) Phenol-d6	7.230	99	165473	91.198	ng	0.00
23) Nitrobenzene-d5	9.228	82	111067	55.199	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	14831	10.847	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	319842	54.653	ng	0.00
79) Terphenyl-d14	20.051	244	542074	56.618	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	14807	12.147	ng	# 87
51) 2,6-Dinitrotoluene	14.698	165	11906	9.092	ng	# 16
57) 2,4-Dinitrotoluene	14.698	165	11906	6.438	ng	# 21
71) Phenanthrene	17.483	178	35262	3.441	ng	98
72) Anthracene	17.483	178	35262	3.524	ng	99
75) Fluoranthene	19.492	202	70143	5.215	ng	98
78) Pyrene	19.851	202	78675	6.755	ng	97
81) Benzo(a)anthracene	21.696	228	46707	3.741	ng	93
83) Chrysene	21.760	228	44023	3.699	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.596	149	12345	2.312	ng	# 91
88) Benzo(b)fluoranthene	23.940	252	55919	4.554	ng	# 93
89) Benzo(k)fluoranthene	23.940	252	55919	4.599	ng	# 95
90) Benzo(a)pyrene	24.821	252	38729	3.738	ng	# 95
92) Benzo(g,h,i)perylene	29.851	276	33380	2.684	ng	# 92

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

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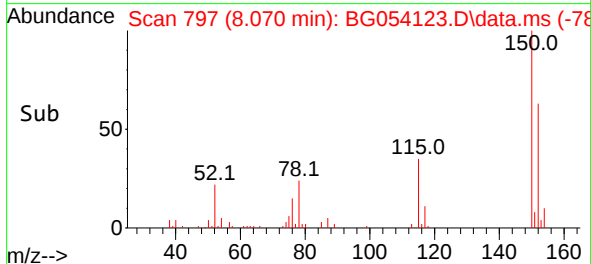
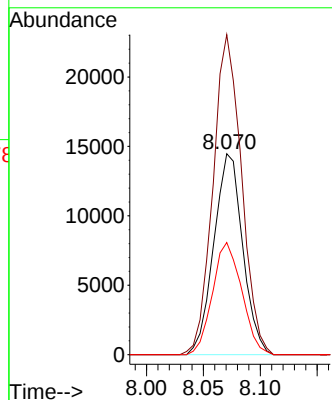
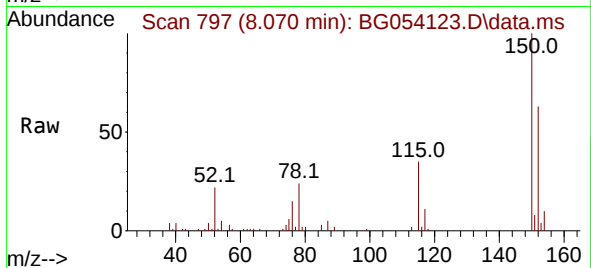




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

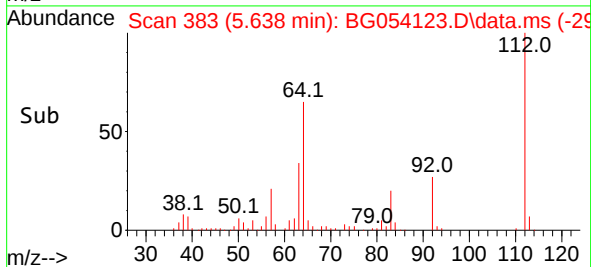
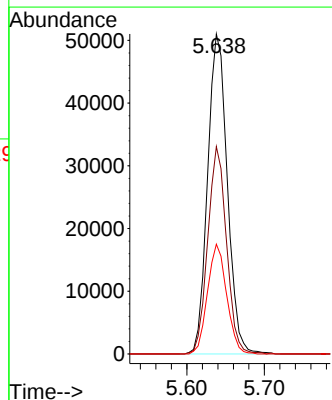
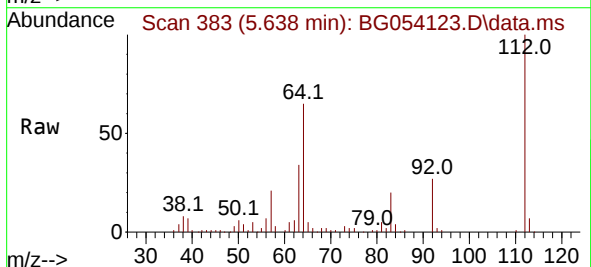
Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 25572
Ion Ratio Lower Upper
152 100
150 159.3 131.6 197.4
115 55.8 50.9 76.3



#5
2-Fluorophenol
Concen: 67.279 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:112 Resp: 89986
Ion Ratio Lower Upper
112 100
64 64.8 55.1 82.7
63 34.3 30.4 45.6

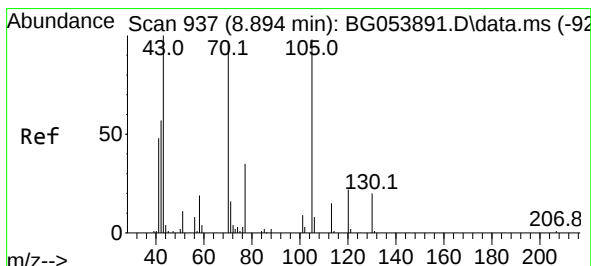
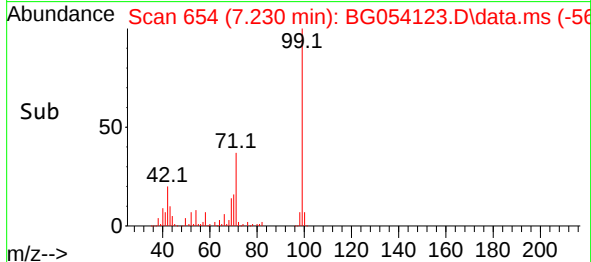
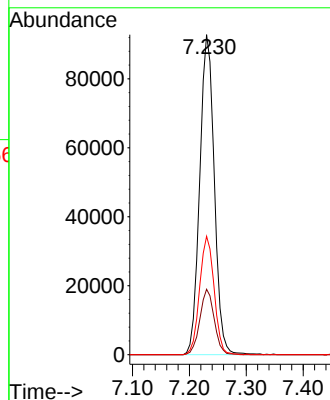
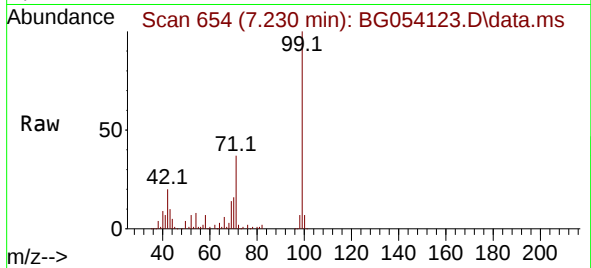




#7
Phenol-d6
Concen: 91.198 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

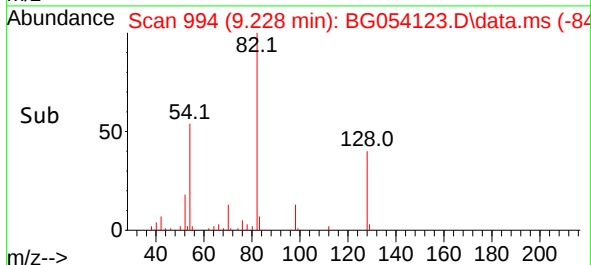
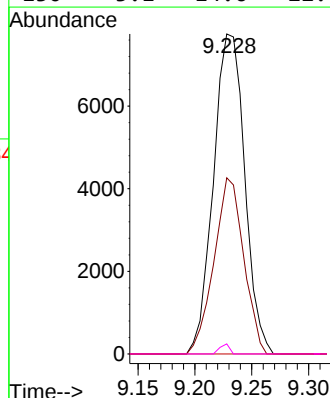
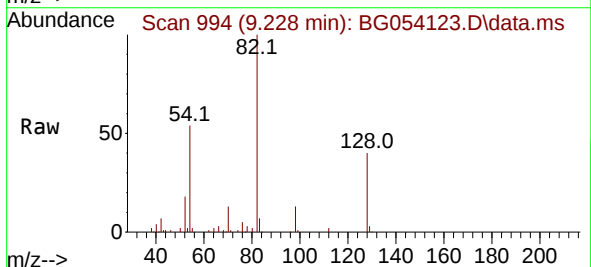
Instrument :
BNA_G
ClientSampleId :

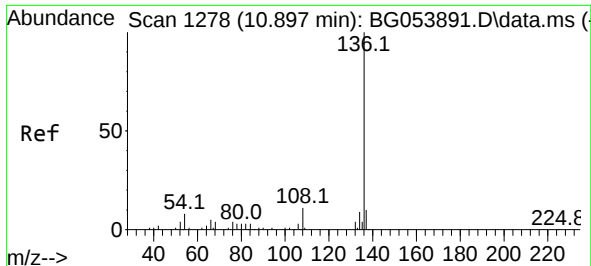
Tgt Ion: 99 Resp: 165473
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 37.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.147 ng
RT: 9.228 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion: 70 Resp: 14807
Ion Ratio Lower Upper
70 100
42 55.1 47.3 70.9
101 0.0 7.0 10.4#
130 3.1 14.6 22.0#

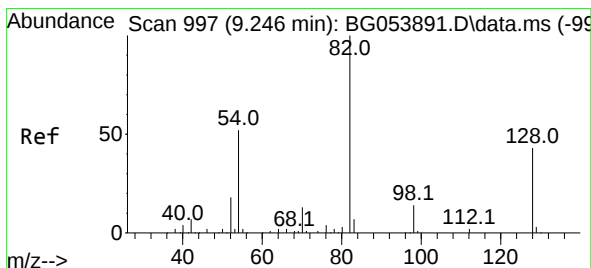
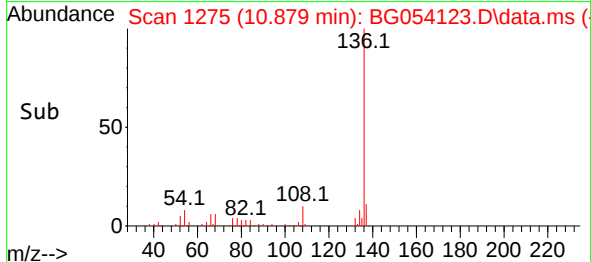
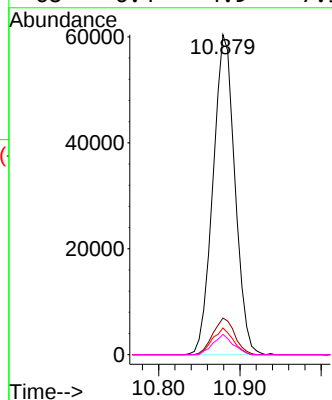
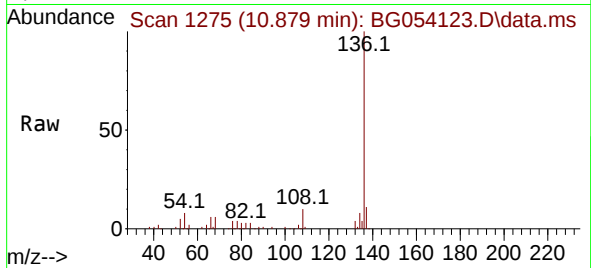




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

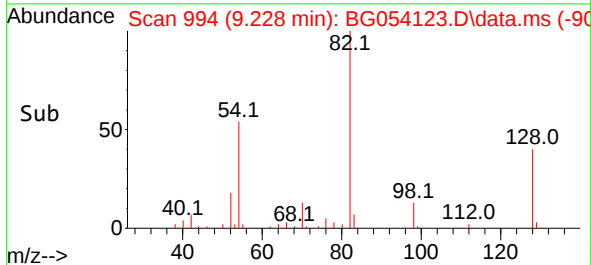
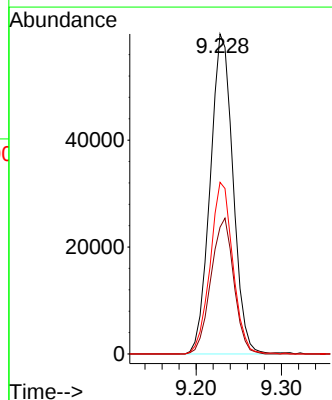
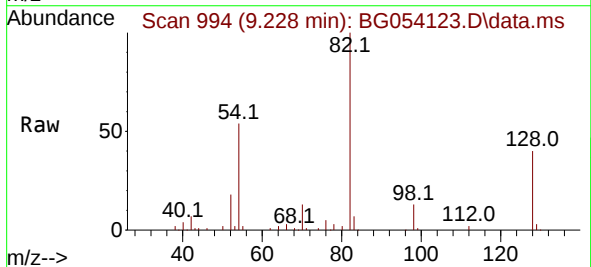
Instrument :
BNA_G
ClientSampleId :

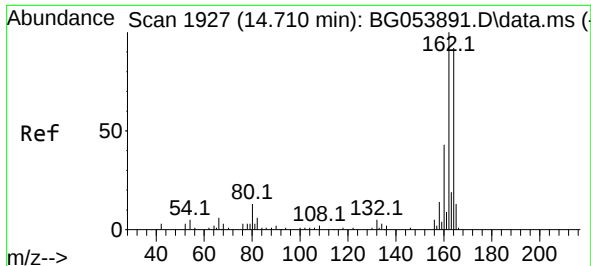
Tgt Ion:	136	Resp:	113073
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	8.3	7.4	11.2
68	6.4	4.9	7.3



#23
Nitrobenzene-d5
Concen: 55.199 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:	82	Resp:	111067
Ion	Ratio	Lower	Upper
82	100		
128	39.6	27.9	41.9
54	53.6	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.698 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :

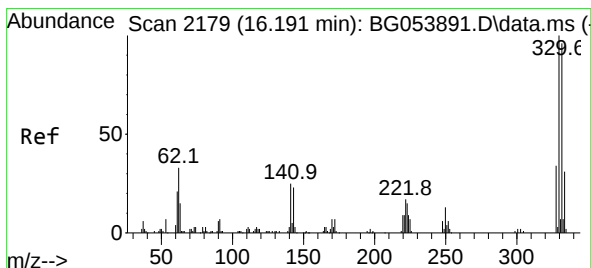
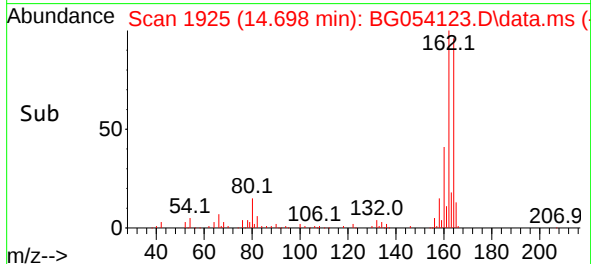
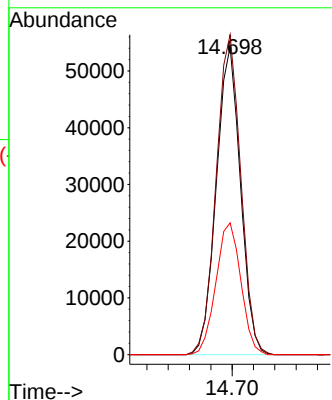
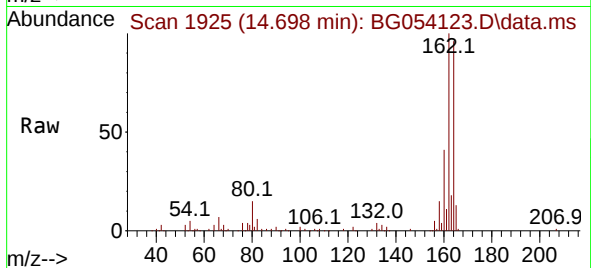
Tgt Ion:164 Resp: 85099

Ion Ratio Lower Upper

164 100

162 103.8 82.3 123.5

160 42.8 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 10.847 ng

RT: 16.179 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

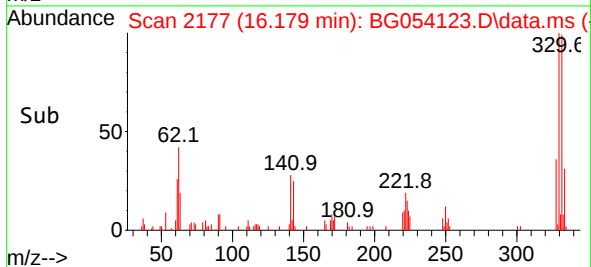
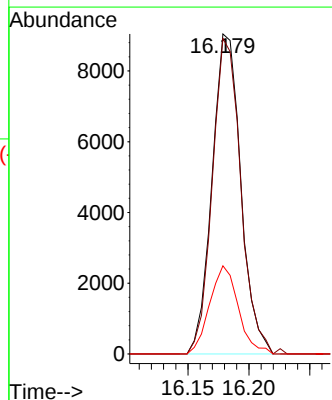
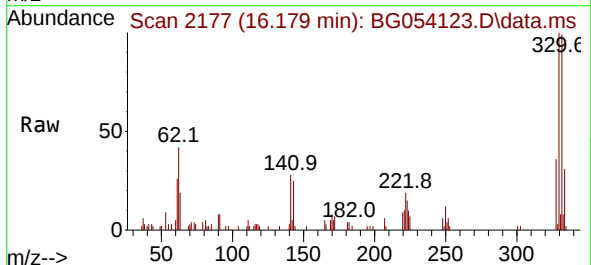
Tgt Ion:330 Resp: 14831

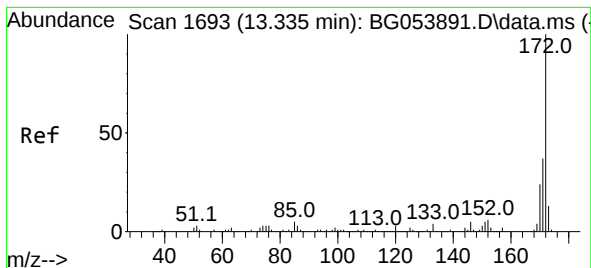
Ion Ratio Lower Upper

330 100

332 97.6 76.0 114.0

141 27.5 27.1 40.7

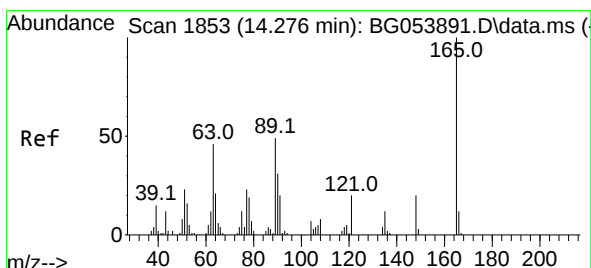
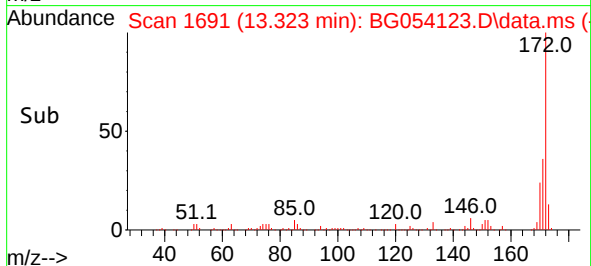
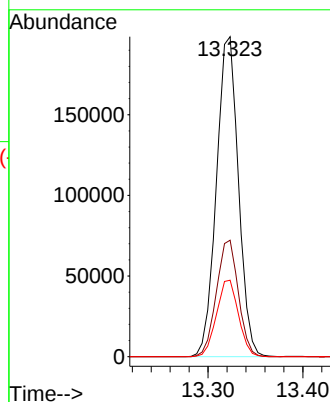
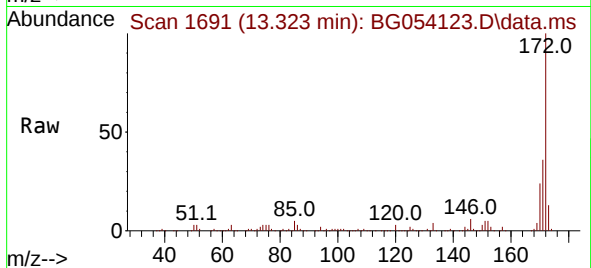




#45
2-Fluorobiphenyl
Concen: 54.653 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

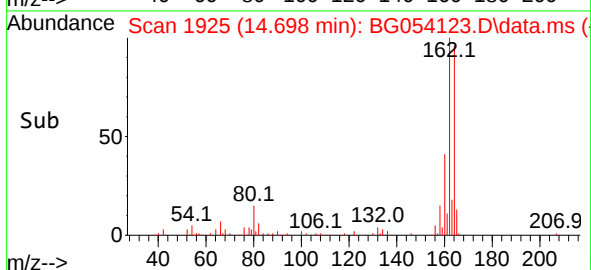
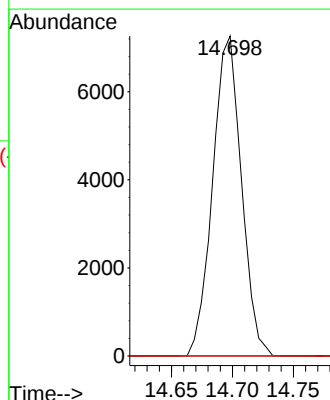
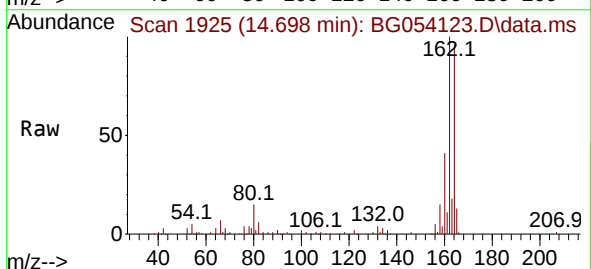
Instrument :
BNA_G
ClientSampleId :

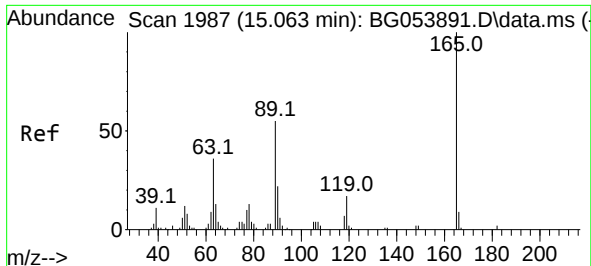
Tgt Ion:172 Resp: 319842
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 23.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.092 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.435 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:165 Resp: 11906
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 6.438 ng

RT: 14.698 min Scan# 1987

Delta R.T. -0.352 min

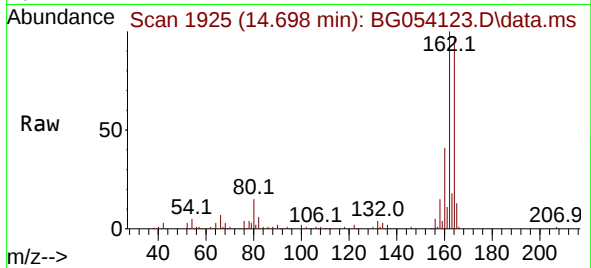
Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 11906

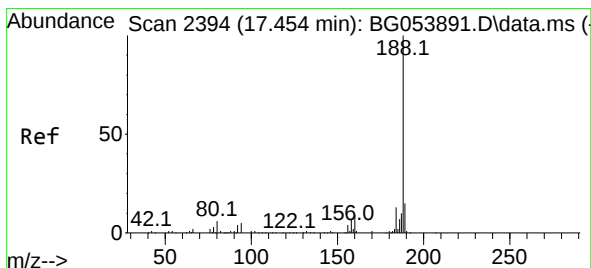
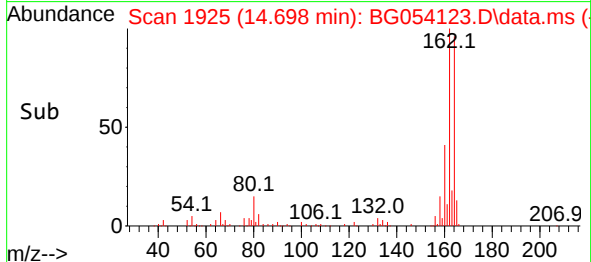
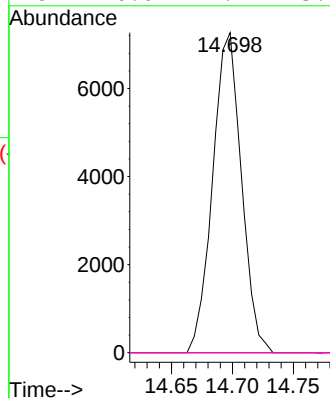
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.442 min Scan# 2392

Delta R.T. 0.000 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

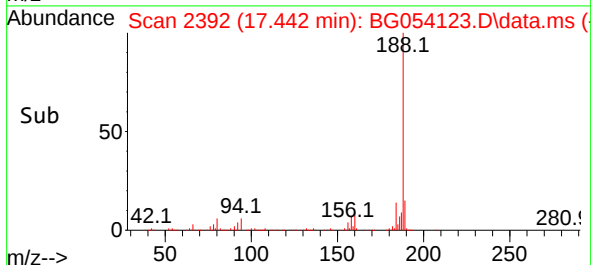
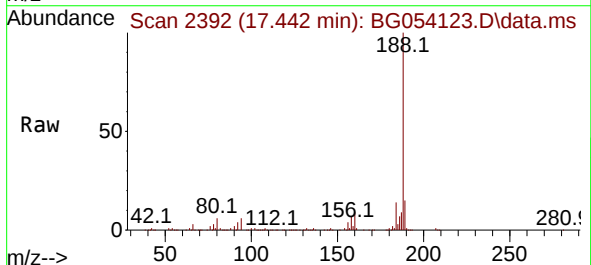
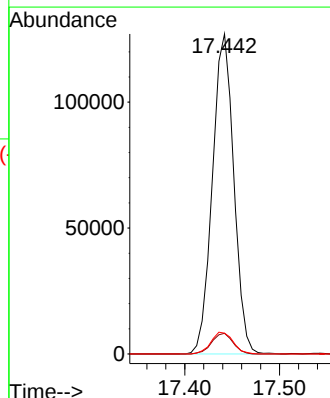
Tgt Ion:188 Resp: 199430

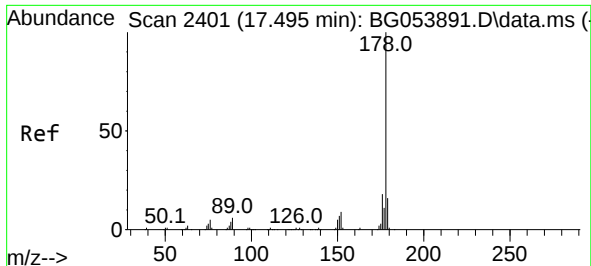
Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.0

80 6.5 6.8 10.2#

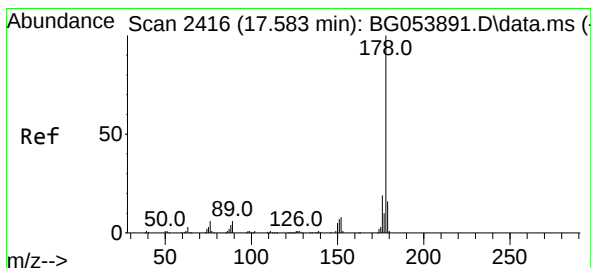
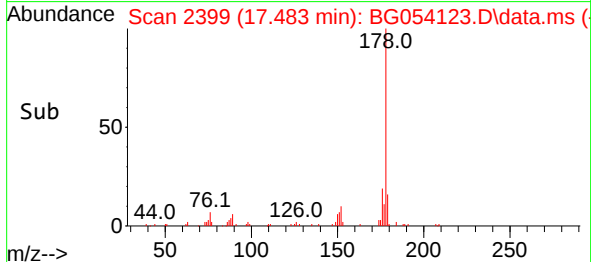
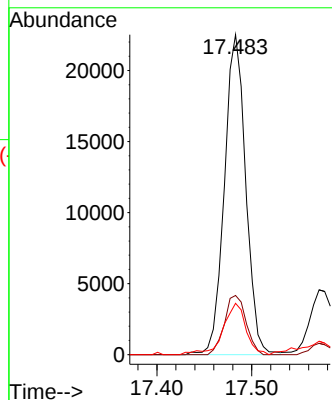
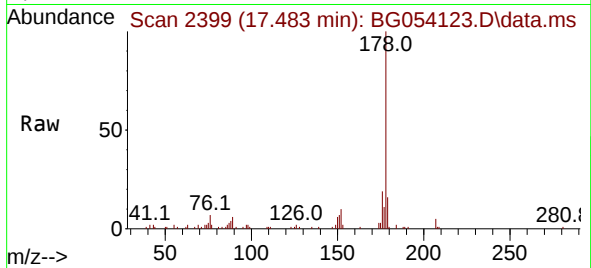




#71
Phenanthrene
Concen: 3.441 ng
RT: 17.483 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

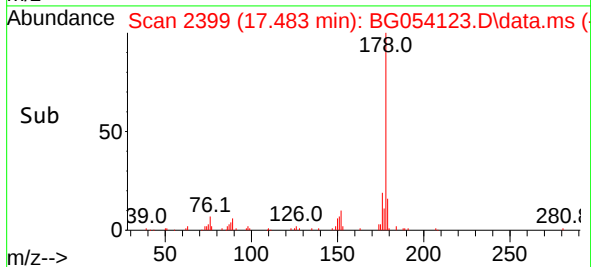
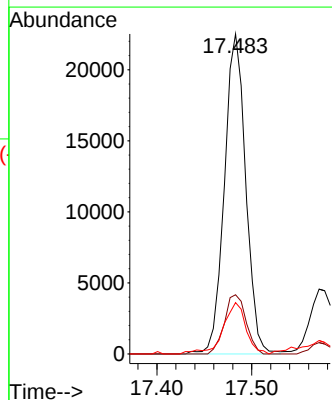
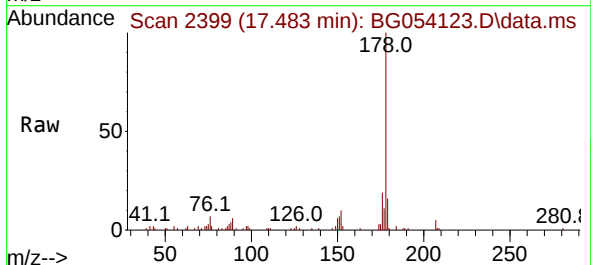
Instrument :
BNA_G
ClientSampleId :

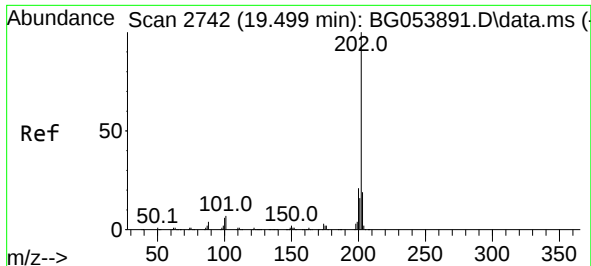
Tgt Ion:178 Resp: 35262
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 16.1 12.1 18.1



#72
Anthracene
Concen: 3.524 ng
RT: 17.483 min Scan# 2399
Delta R.T. -0.094 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:178 Resp: 35262
Ion Ratio Lower Upper
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176 18.5 15.2 22.8
179 16.1 13.0 19.4

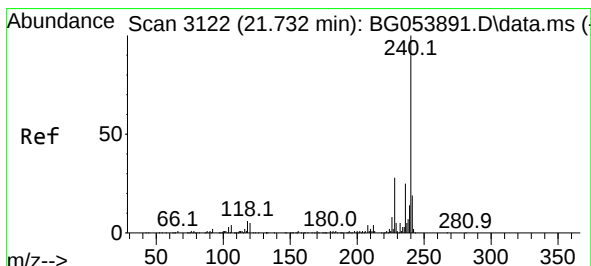
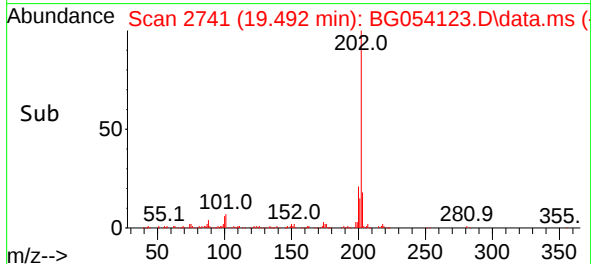
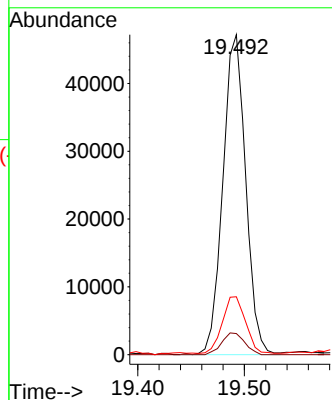
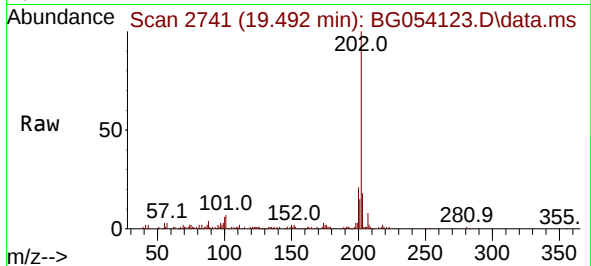




#75
Fluoranthene
Concen: 5.215 ng
RT: 19.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

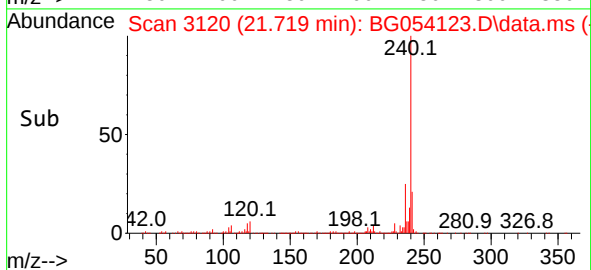
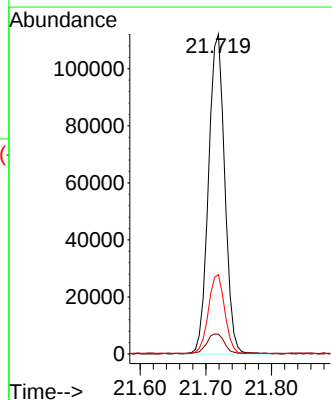
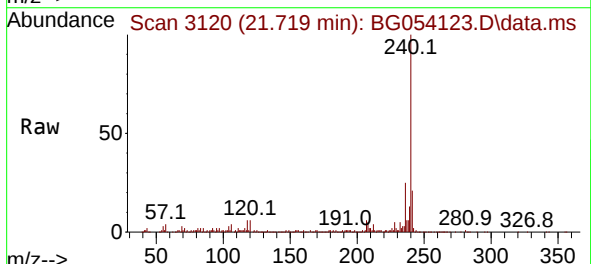
Instrument :
BNA_G
ClientSampleId :

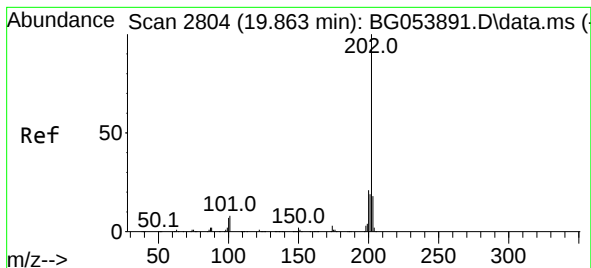
Tgt Ion:202 Resp: 70143
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.9
203 18.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:240 Resp: 192834
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 24.8 20.2 30.4





#78

Pyrene

Concen: 6.755 ng

RT: 19.851 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :

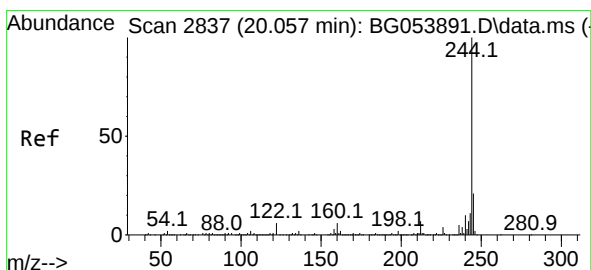
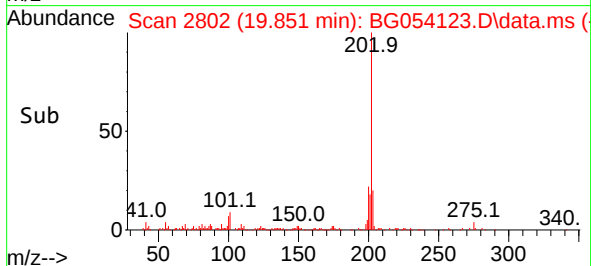
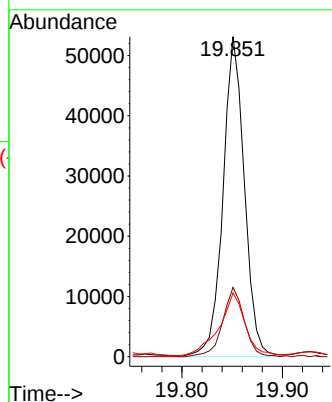
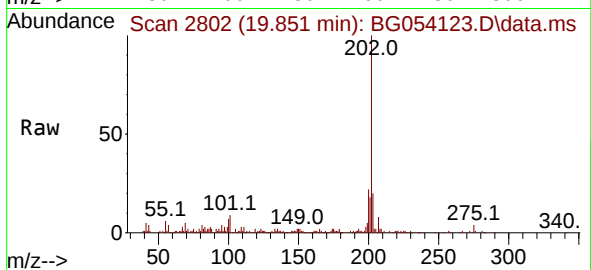
Tgt Ion:202 Resp: 78675

Ion Ratio Lower Upper

202 100

200 21.6 16.6 24.8

203 19.9 14.6 21.8



#79

Terphenyl-d14

Concen: 56.618 ng

RT: 20.051 min Scan# 2836

Delta R.T. 0.006 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

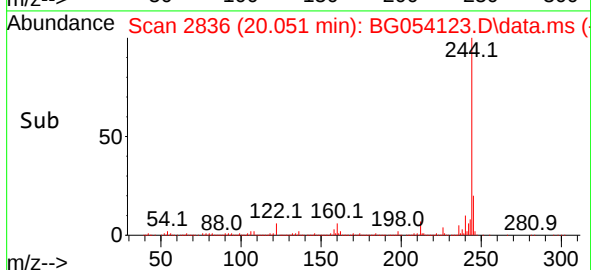
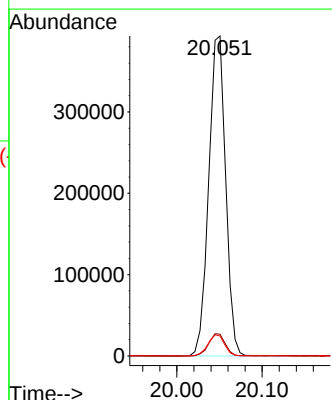
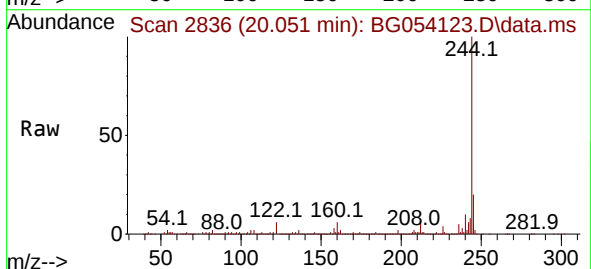
Tgt Ion:244 Resp: 542074

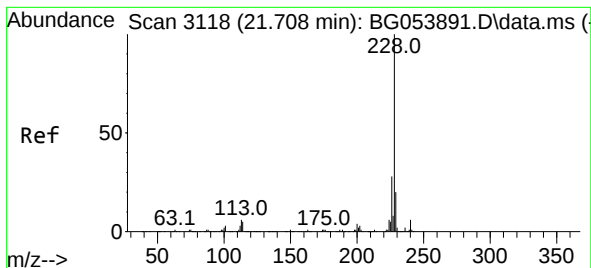
Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

122 6.3 5.0 7.4





#81

Benzo(a)anthracene

Concen: 3.741 ng

RT: 21.696 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :

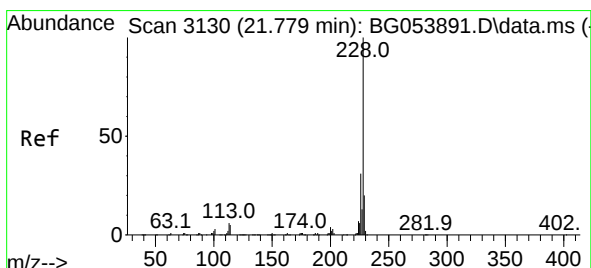
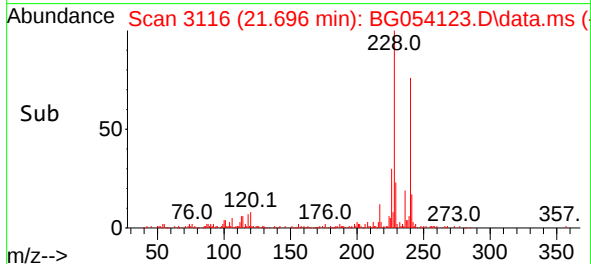
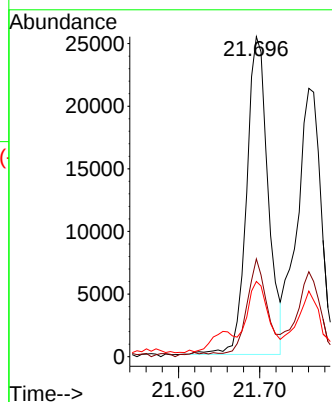
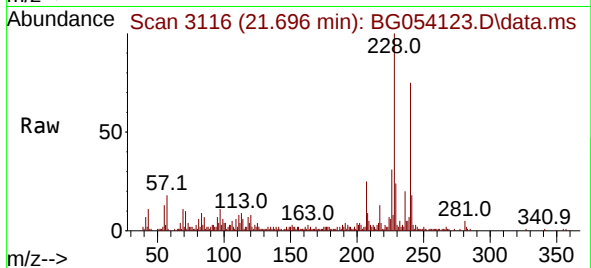
Tgt Ion:228 Resp: 46707

Ion Ratio Lower Upper

228 100

226 30.6 21.6 32.4

229 23.5 16.2 24.2



#83

Chrysene

Concen: 3.699 ng

RT: 21.760 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

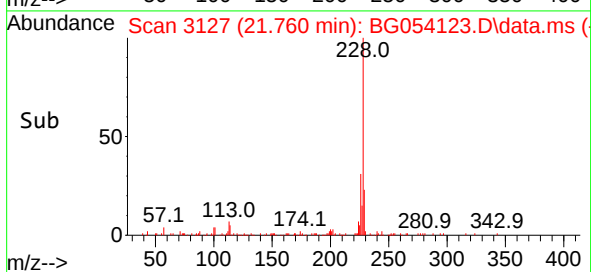
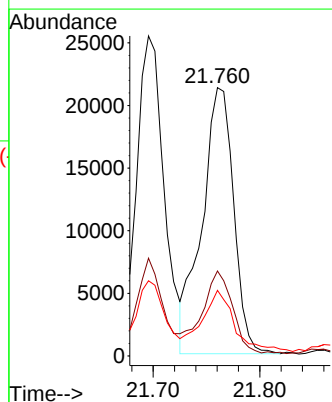
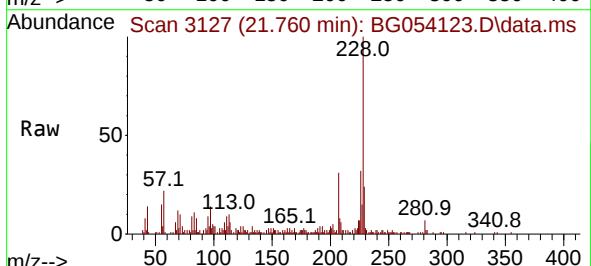
Tgt Ion:228 Resp: 44023

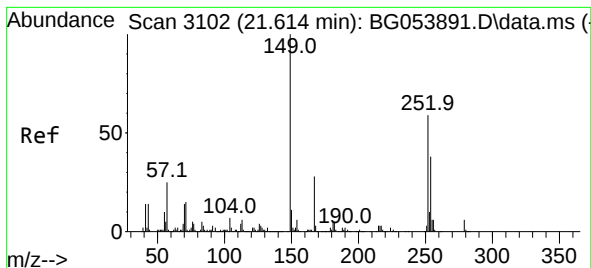
Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.2

229 24.4 15.5 23.3#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.312 ng

RT: 21.596 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :

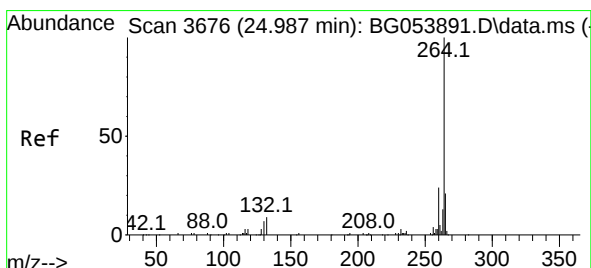
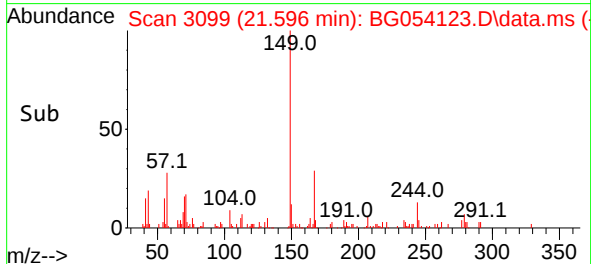
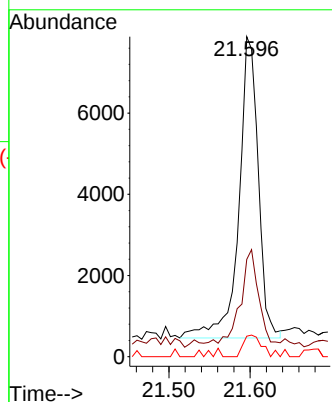
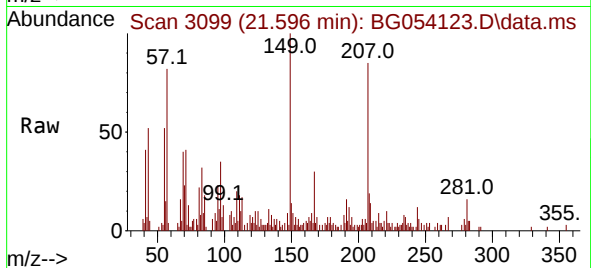
Tgt Ion:149 Resp: 12345

Ion Ratio Lower Upper

149 100

167 30.4 20.2 30.4#

279 6.4 3.6 5.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.974 min Scan# 3674

Delta R.T. 0.012 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

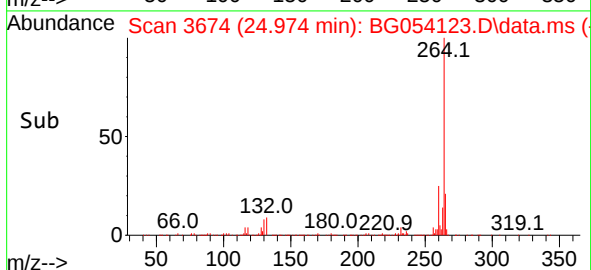
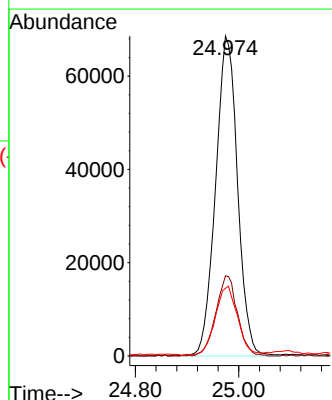
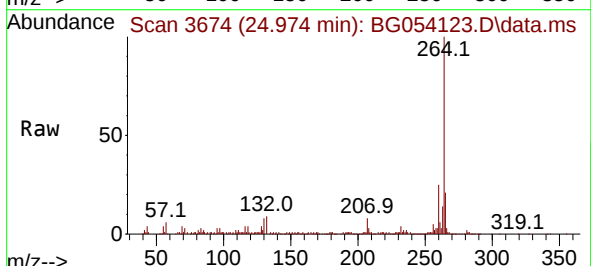
Tgt Ion:264 Resp: 201954

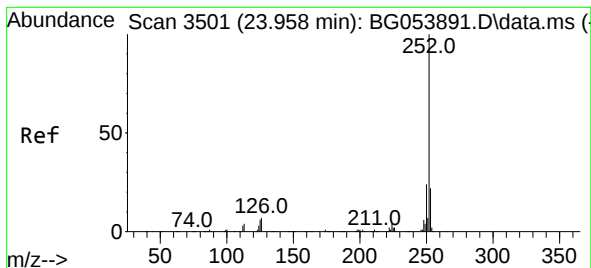
Ion Ratio Lower Upper

264 100

260 25.1 19.0 28.6

265 21.2 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.554 ng

RT: 23.940 min Scan# 3498

Delta R.T. 0.006 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

Instrument :

BNA_G

ClientSampleId :

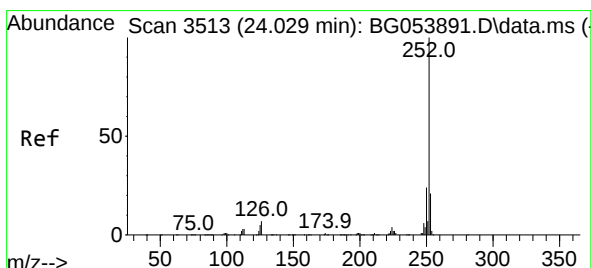
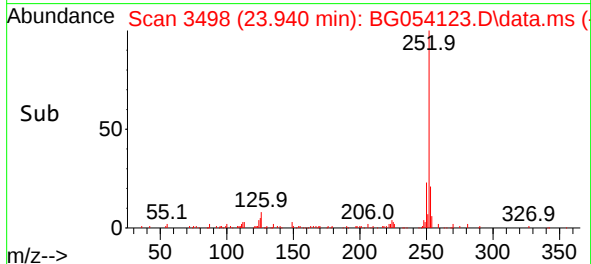
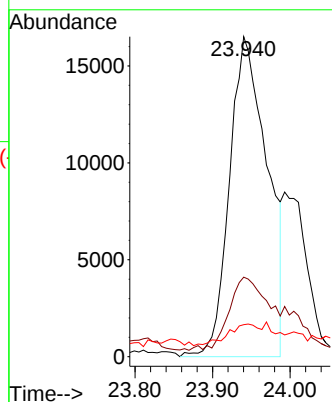
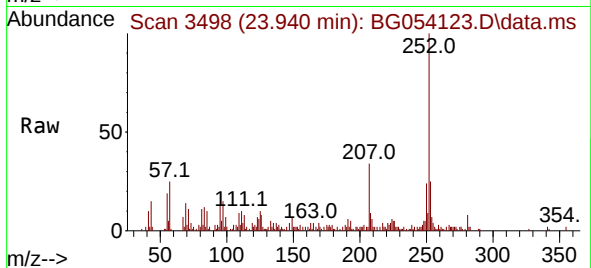
Tgt Ion:252 Resp: 55919

Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

125 10.0 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 4.599 ng

RT: 23.940 min Scan# 3498

Delta R.T. -0.065 min

Lab File: BG054123.D

Acq: 28 Jun 2022 18:51

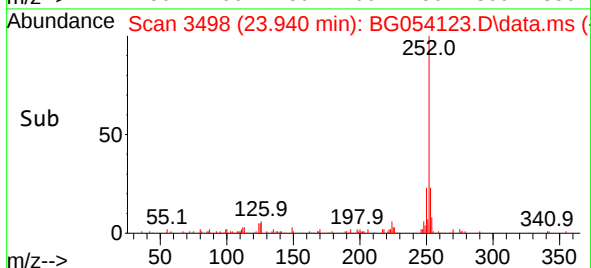
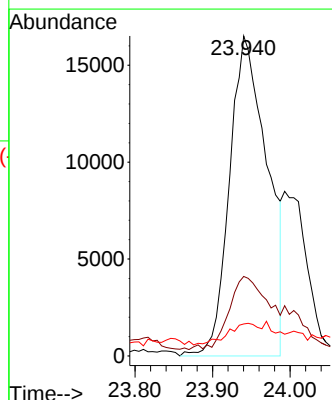
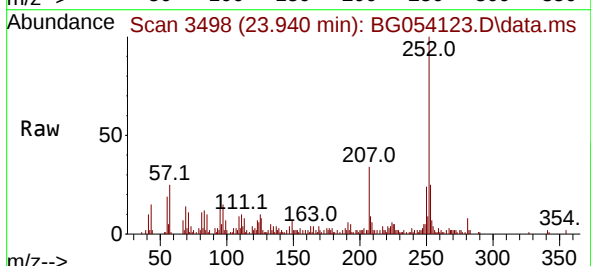
Tgt Ion:252 Resp: 55919

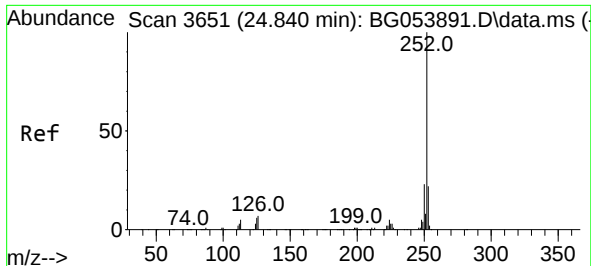
Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

125 10.0 4.8 7.2#

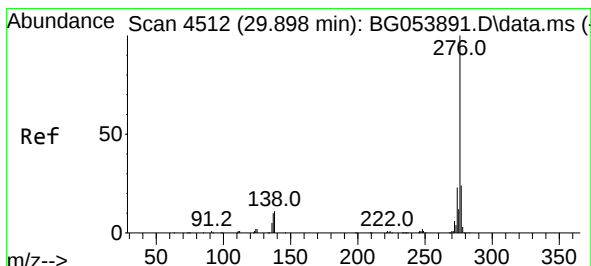
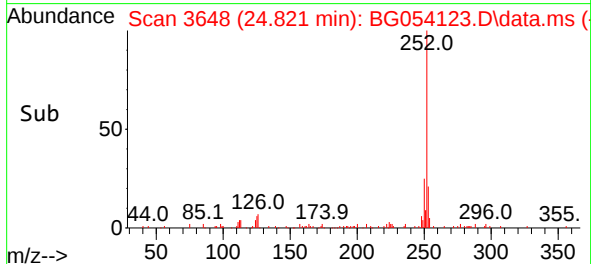
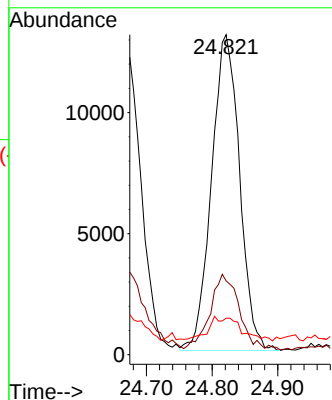
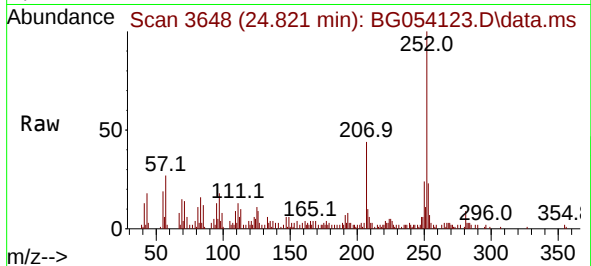




#90
Benzo(a)pyrene
Concen: 3.738 ng
RT: 24.821 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 38729
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.4 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 2.684 ng
RT: 29.851 min Scan# 4504
Delta R.T. -0.012 min
Lab File: BG054123.D
Acq: 28 Jun 2022 18:51

Tgt Ion:276 Resp: 33380
Ion Ratio Lower Upper
276 100
277 27.0 17.3 25.9#
138 12.7 9.6 14.4

