

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054125.D
 Acq On : 28 Jun 2022 20:10
 Operator : CG/JU
 Sample : N3488-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623

Quant Time: Jun 29 01:59:35 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)

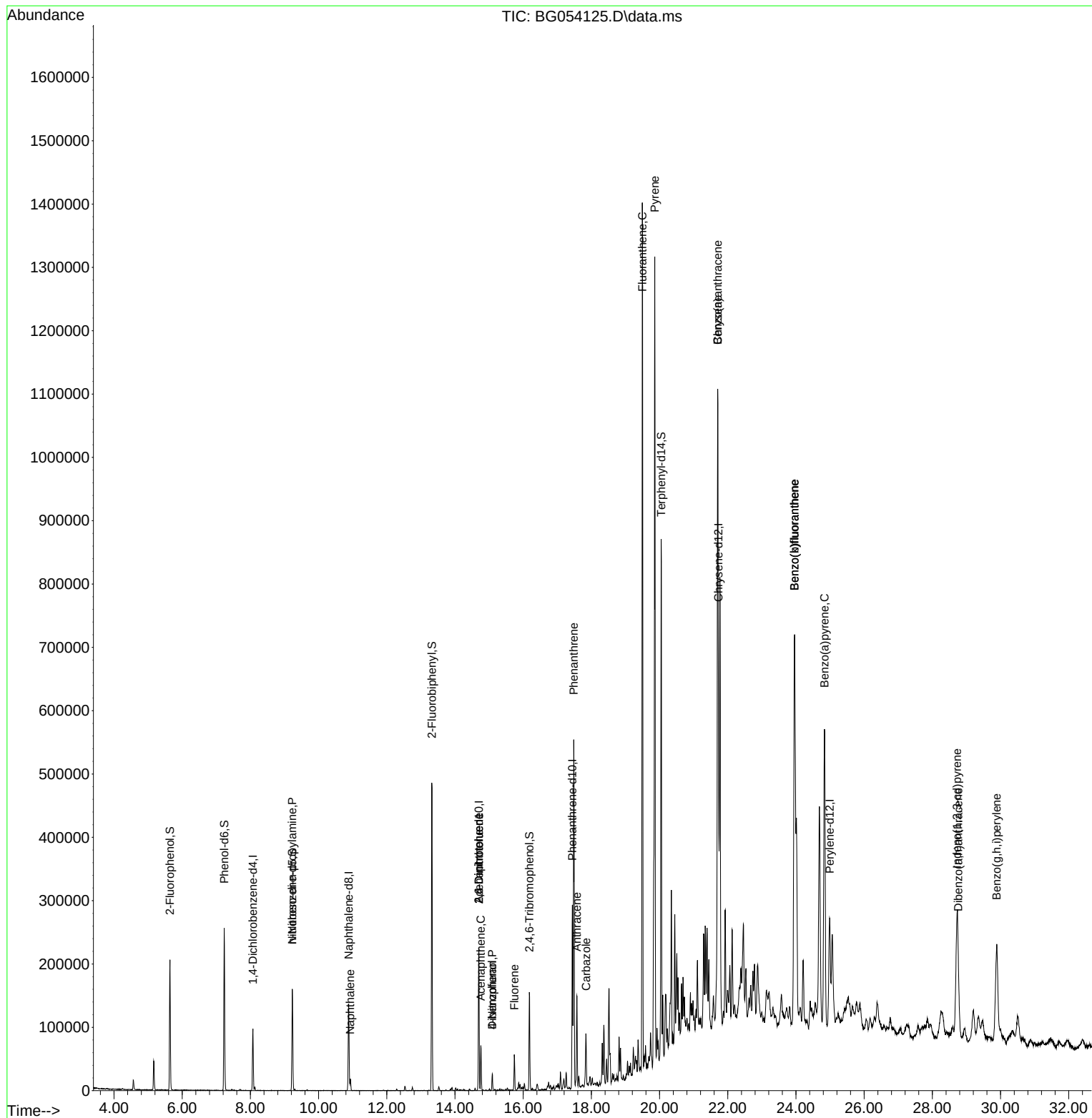
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	30038	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	125132	20.000	ng	0.00
39) Acenaphthene-d10	14.699	164	88169	20.000	ng	0.00
64) Phenanthrene-d10	17.443	188	195460	20.000	ng	0.00
76) Chrysene-d12	21.720	240	184832	20.000	ng	0.00
86) Perylene-d12	24.987	264	196422	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	97327	61.948	ng	0.00
7) Phenol-d6	7.231	99	154377	72.433	ng	0.00
23) Nitrobenzene-d5	9.229	82	101781	45.709	ng	0.00
42) 2,4,6-Tribromophenol	16.185	330	34310	24.220	ng	0.00
45) 2-Fluorobiphenyl	13.318	172	283692	46.788	ng	0.00
79) Terphenyl-d14	20.051	244	456203	49.712	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.229	70	13646	9.530	ng	# 78
31) Naphthalene	10.927	128	17166	2.717	ng	96
51) 2,6-Dinitrotoluene	14.699	165	12591	9.281	ng	# 17
52) Acenaphthene	14.758	154	28615	5.808	ng	98
55) Dibenzofuran	15.092	168	17946	2.261	ng	96
56) 4-Nitrophenol	15.092	139	6290	6.741	ng	# 1
57) 2,4-Dinitrotoluene	14.699	165	12591	6.571	ng	# 23
58) Fluorene	15.739	166	27256	4.182	ng	94
71) Phenanthrene	17.484	178	395040	39.338	ng	97
72) Anthracene	17.572	178	105305	10.738	ng	97
73) Carbazole	17.842	167	58874	6.994	ng	98
75) Fluoranthene	19.493	202	955202	72.459	ng	95
78) Pyrene	19.857	202	900249	80.643	ng	95
81) Benzo(a)anthracene	21.702	228	672465	56.191	ng	96
83) Chrysene	21.702	228	672465	58.949	ng	97
87) Indeno(1,2,3-cd)pyrene	28.724	276	381784	25.756	ng	# 96
88) Benzo(b)fluoranthene	23.959	252	887665	74.325	ng	# 98
89) Benzo(k)fluoranthene	23.959	252	887665	75.069	ng	99
90) Benzo(a)pyrene	24.840	252	587848	58.338	ng	# 97
91) Dibenzo(a,h)anthracene	28.759	278	107046	8.733	ng	93
92) Benzo(g,h,i)perylene	29.887	276	360350	29.790	ng	96

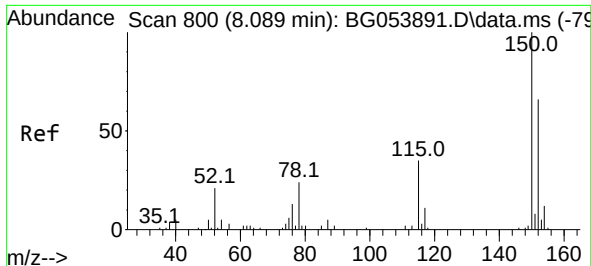
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-11-0-2-20220623

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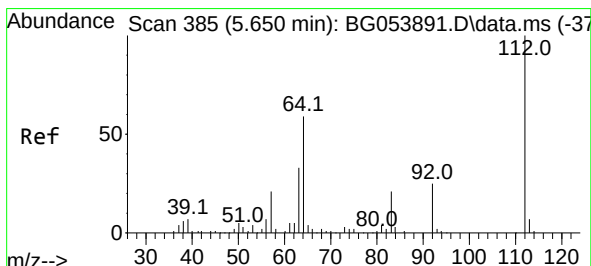
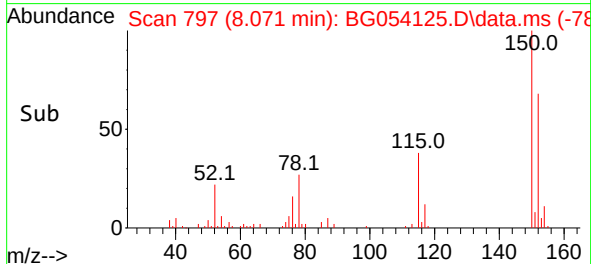
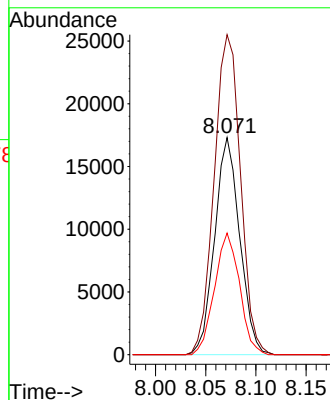
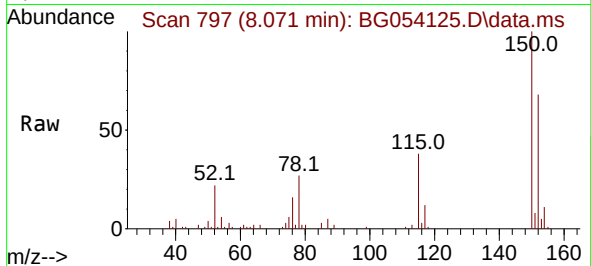




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.071 min Scan# 79
 Delta R.T. 0.001 min
 Lab File: BG054125.D
 Acq: 28 Jun 2022 20:10

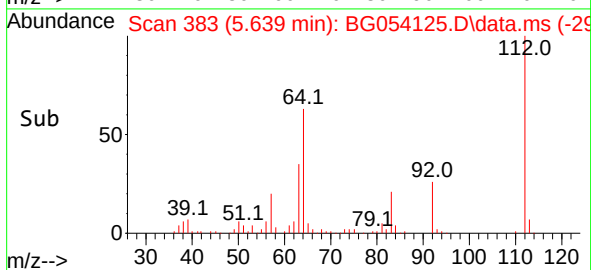
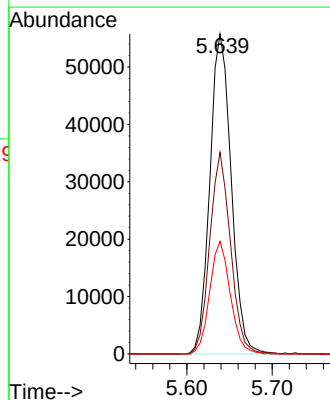
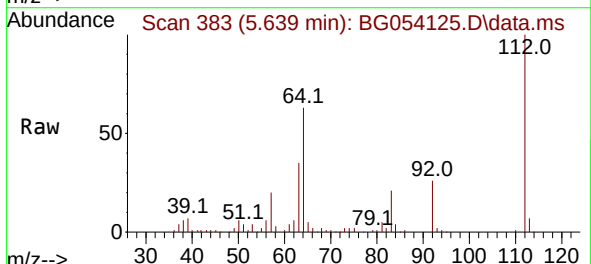
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623

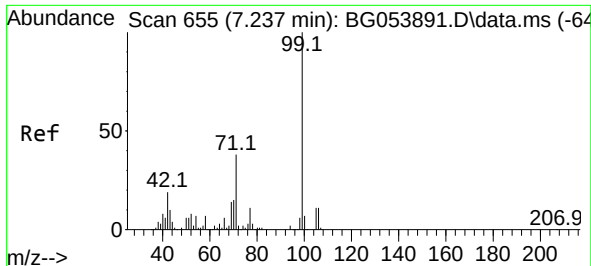
Tgt Ion:152 Resp: 30038
 Ion Ratio Lower Upper
 152 100
 150 147.4 131.6 197.4
 115 56.0 50.9 76.3



#5
 2-Fluorophenol
 Concen: 61.948 ng
 RT: 5.639 min Scan# 383
 Delta R.T. 0.001 min
 Lab File: BG054125.D
 Acq: 28 Jun 2022 20:10

Tgt Ion:112 Resp: 97327
 Ion Ratio Lower Upper
 112 100
 64 63.0 55.1 82.7
 63 35.2 30.4 45.6

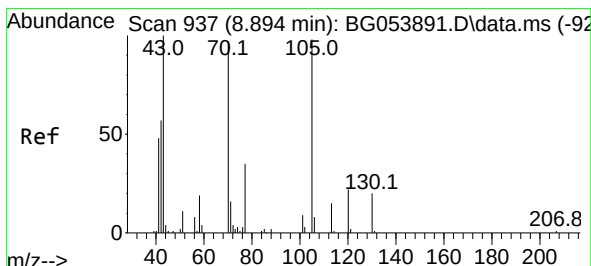
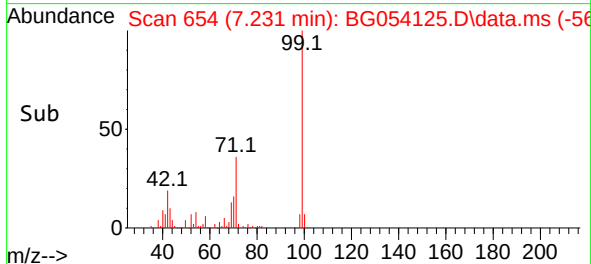
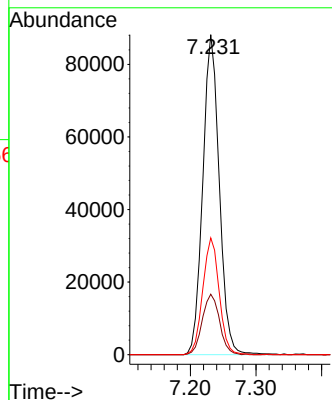
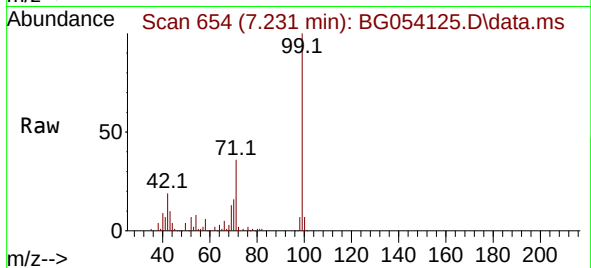




#7
Phenol-d6
Concen: 72.433 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

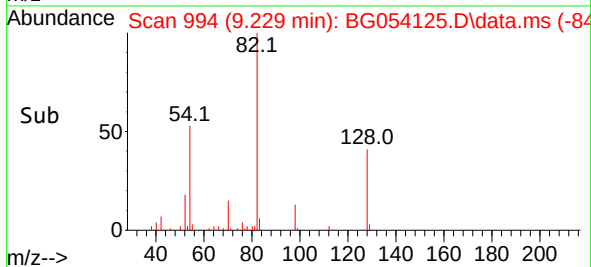
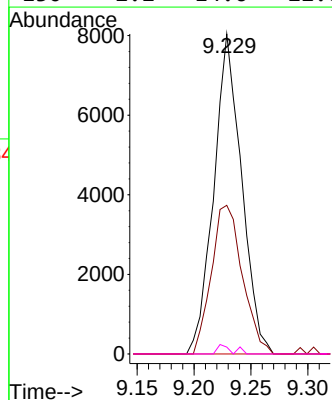
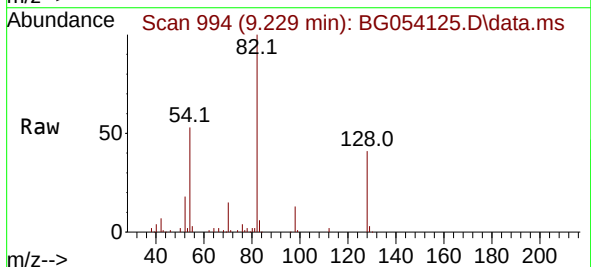
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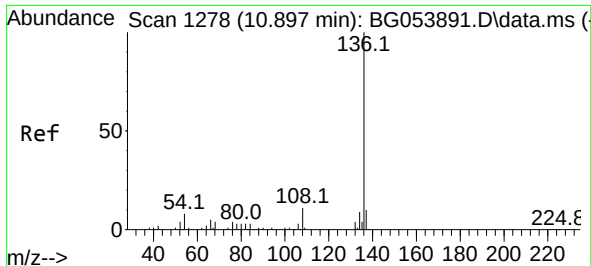
Tgt Ion: 99 Resp: 154377
Ion Ratio Lower Upper
99 100
42 18.9 17.0 25.6
71 36.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.530 ng
RT: 9.229 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion: 70 Resp: 13646
Ion Ratio Lower Upper
70 100
42 46.5 47.3 70.9#
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#

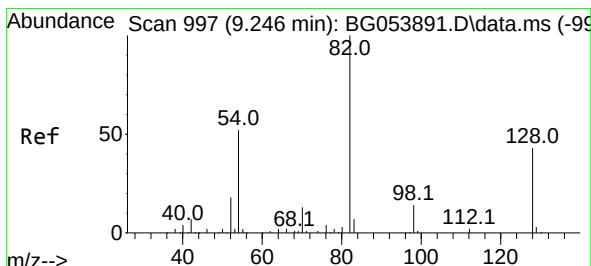
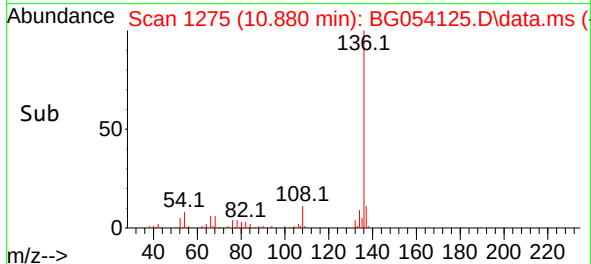
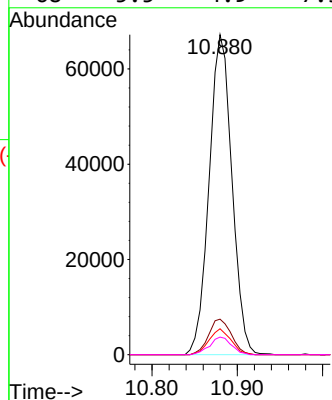
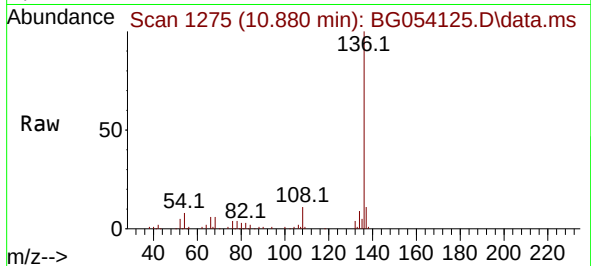




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

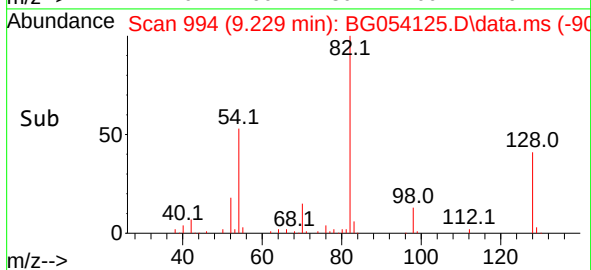
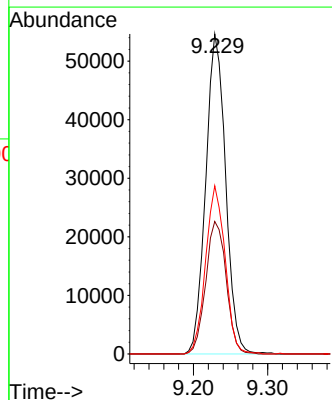
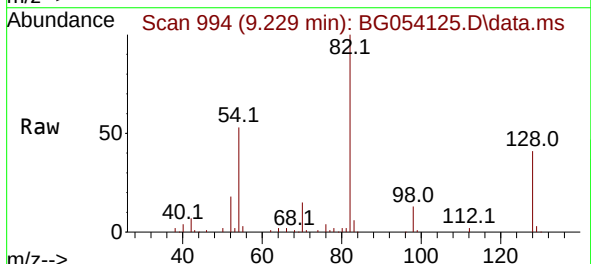
Instrument :
BNA_G
ClientSampleId :
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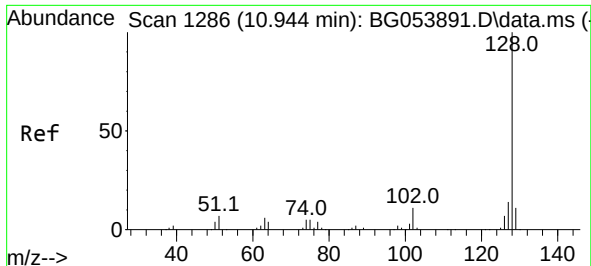
Tgt Ion:	136	Resp:	125132
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	8.1	7.4	11.2
68	5.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 45.709 ng
RT: 9.229 min Scan# 994
Delta R.T. -0.005 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:	82	Resp:	101781
Ion	Ratio	Lower	Upper
82	100		
128	41.4	27.9	41.9
54	52.6	41.2	61.8

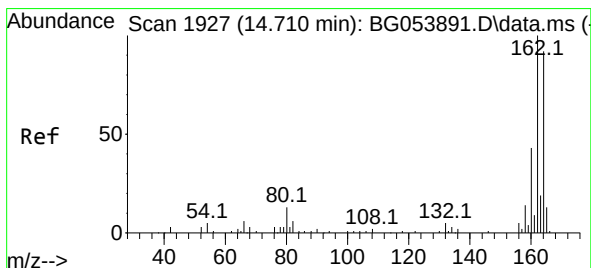
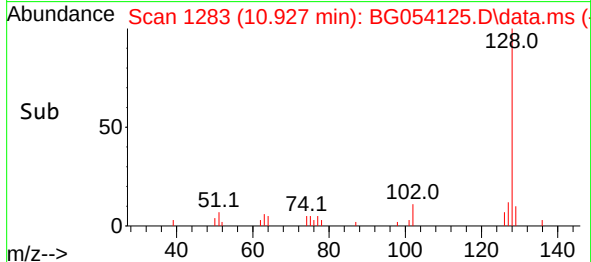
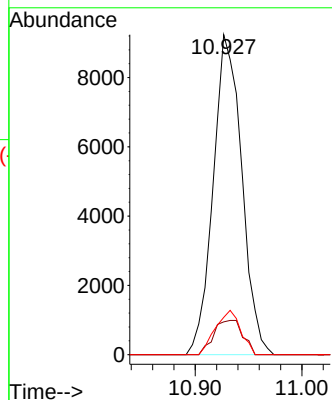
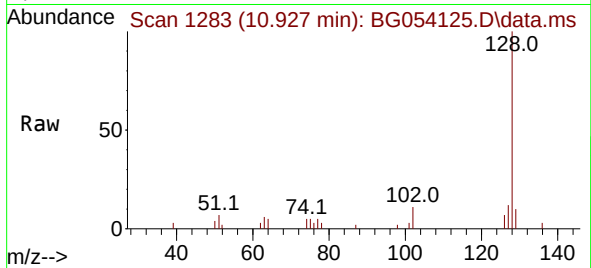




#31
Naphthalene
Concen: 2.717 ng
RT: 10.927 min Scan# 1283
Delta R.T. -0.005 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

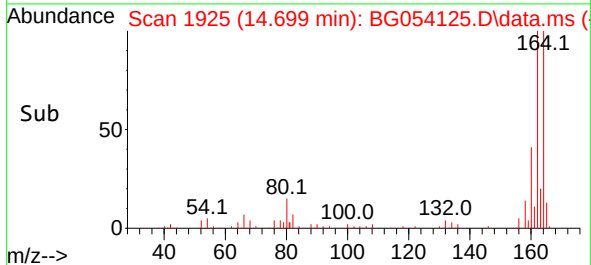
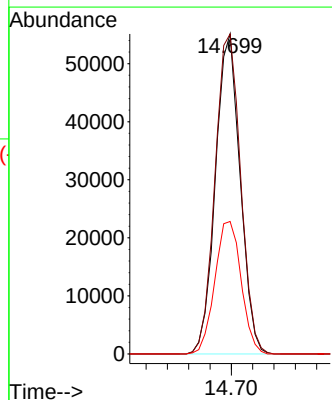
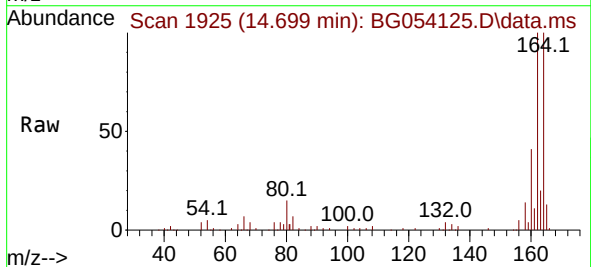
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

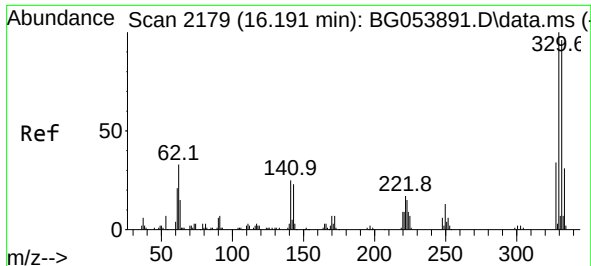
Tgt Ion:128 Resp: 17166
Ion Ratio Lower Upper
128 100
129 10.2 9.0 13.6
127 11.7 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:164 Resp: 88169
Ion Ratio Lower Upper
164 100
162 100.0 82.3 123.5
160 41.4 34.2 51.2

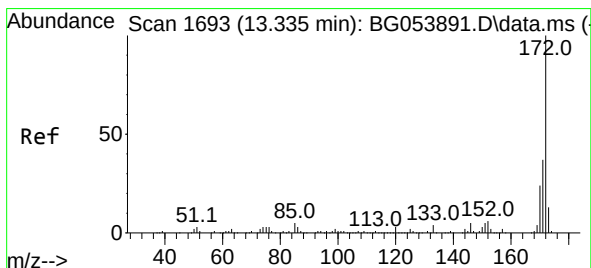
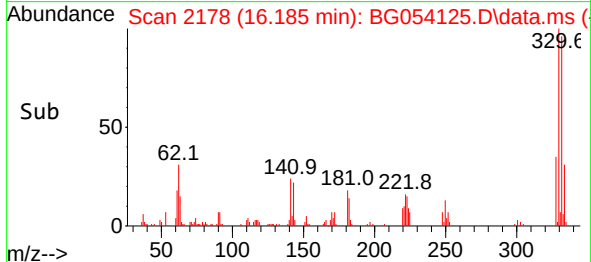
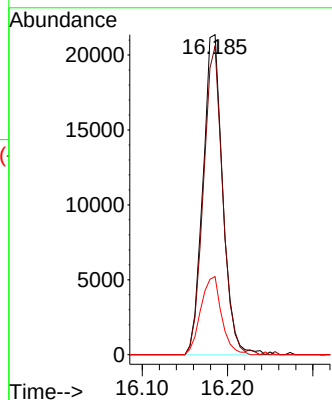
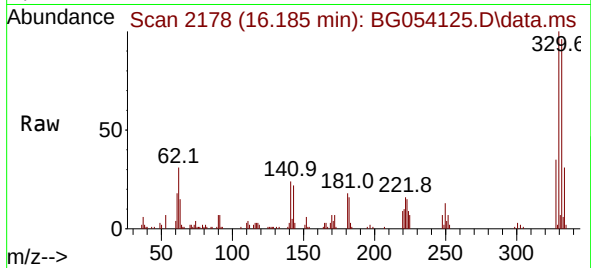




#42
2,4,6-Tribromophenol
Concen: 24.220 ng
RT: 16.185 min Scan# 2179
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

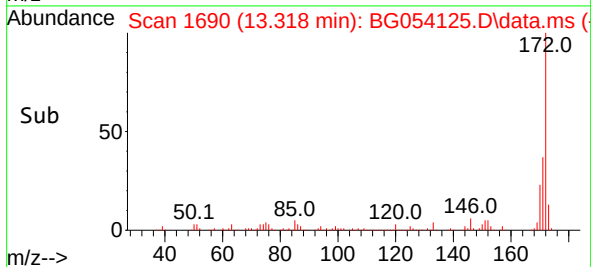
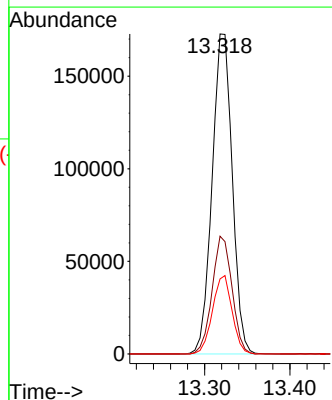
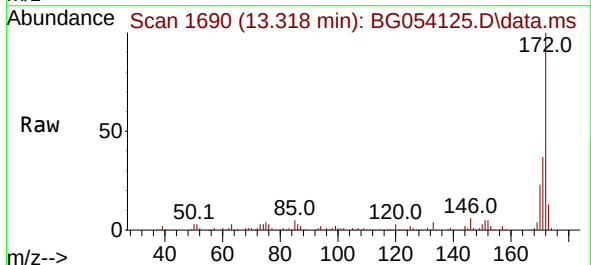
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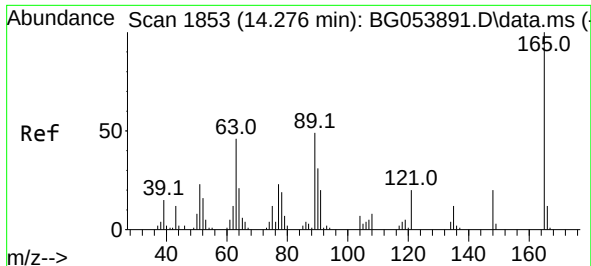
Tgt Ion:330 Resp: 34310
Ion Ratio Lower Upper
330 100
332 94.2 76.0 114.0
141 25.7 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 46.788 ng
RT: 13.318 min Scan# 1690
Delta R.T. -0.005 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:172 Resp: 283692
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 23.5 18.9 28.3

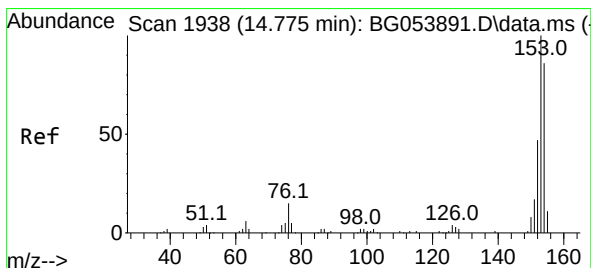
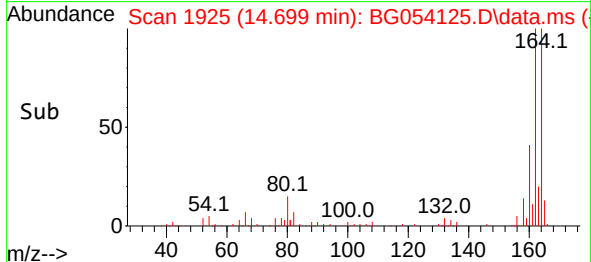
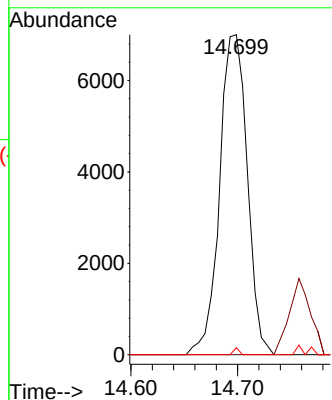
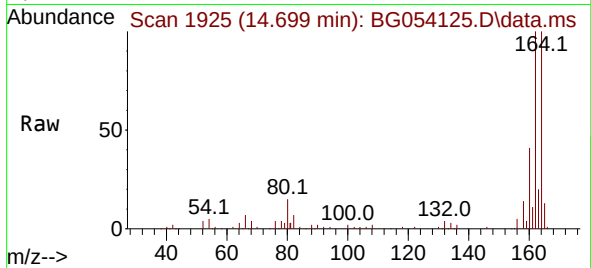




#51
2,6-Dinitrotoluene
Concen: 9.281 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.436 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

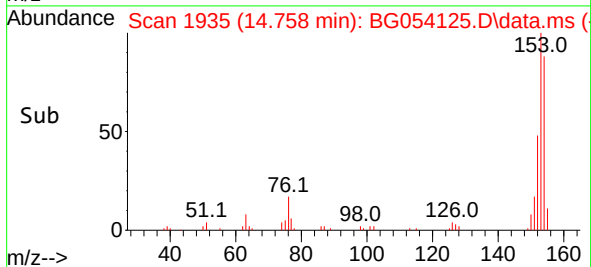
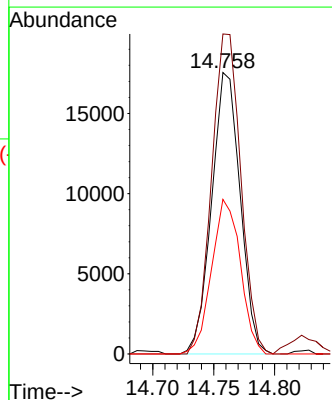
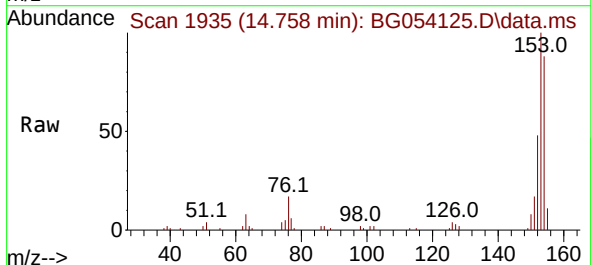
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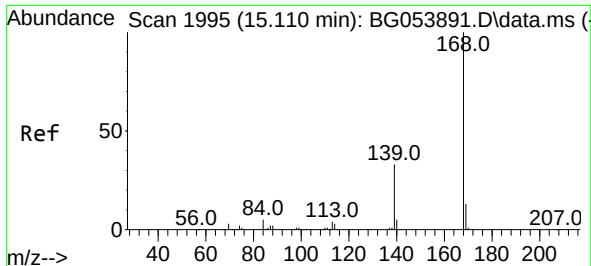
Tgt Ion:165 Resp: 12591
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.2 54.8 82.2#



#52
Acenaphthene
Concen: 5.808 ng
RT: 14.758 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:154 Resp: 28615
Ion Ratio Lower Upper
154 100
153 113.7 92.7 139.1
152 54.9 42.6 64.0

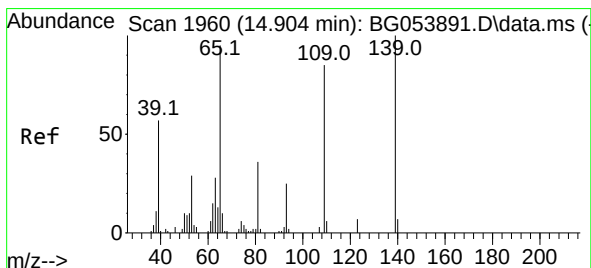
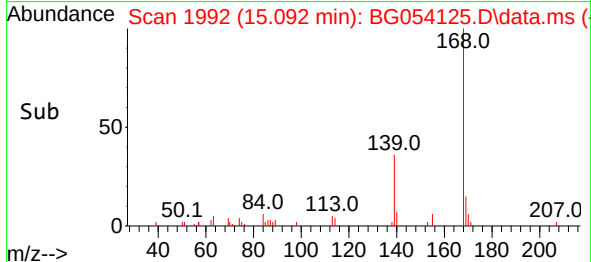
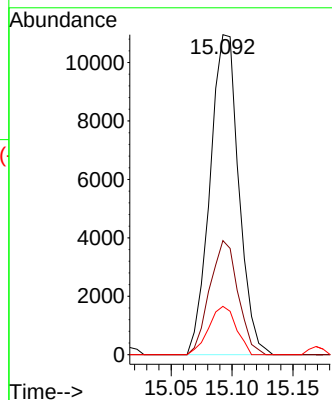
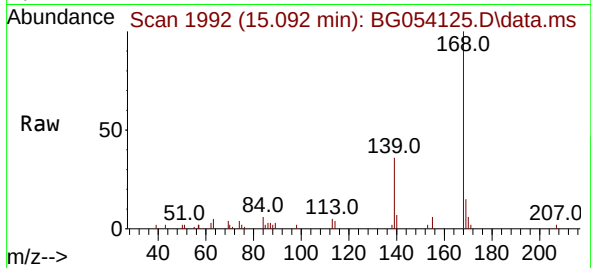




#55
Dibenzenofuran
Concen: 2.261 ng
RT: 15.092 min Scan# 1992
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

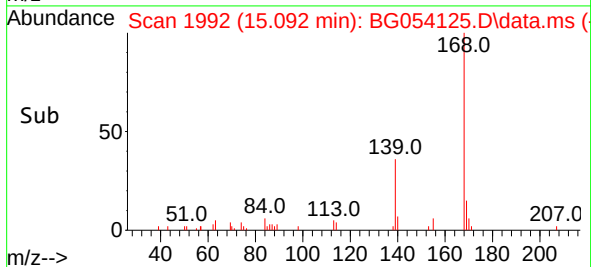
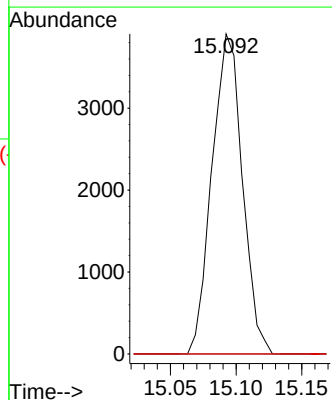
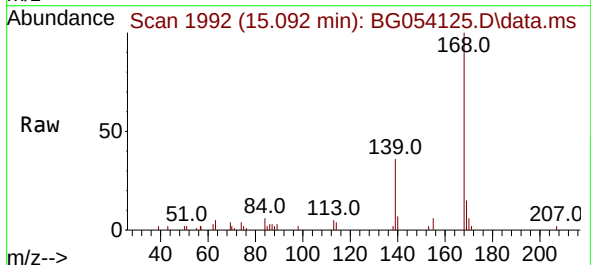
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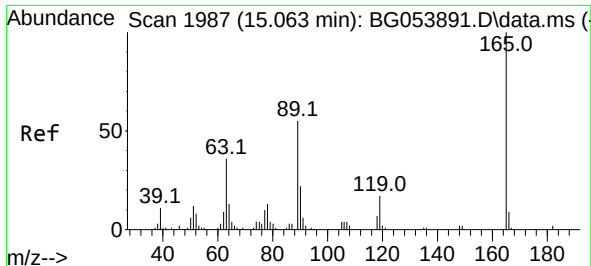
Tgt Ion:168 Resp: 17946
Ion Ratio Lower Upper
168 100
139 35.6 30.5 45.7
169 15.1 10.3 15.5



#56
4-Nitrophenol
Concen: 6.741 ng
RT: 15.092 min Scan# 1992
Delta R.T. 0.195 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:139 Resp: 6290
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 6.571 ng

RT: 14.699 min Scan# 1987

Delta R.T. -0.352 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623

Tgt Ion:165 Resp: 12591

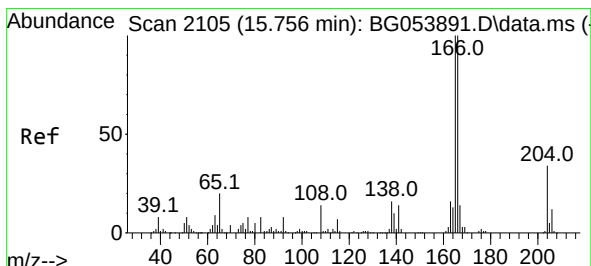
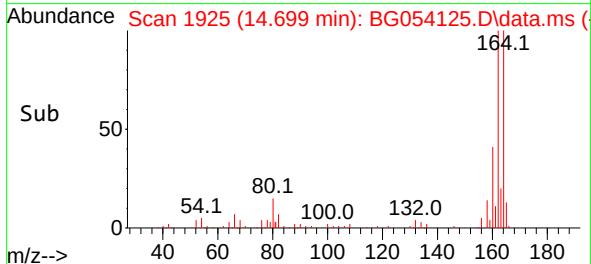
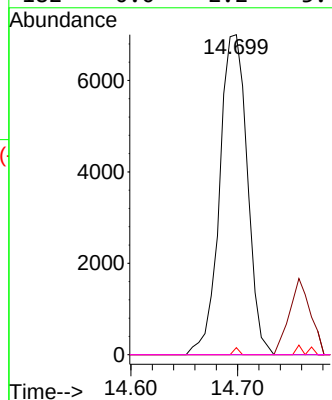
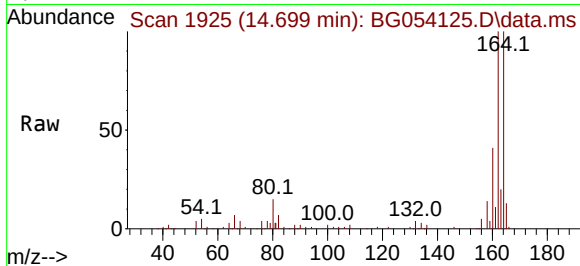
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 2.2 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 4.182 ng

RT: 15.739 min Scan# 2102

Delta R.T. -0.005 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

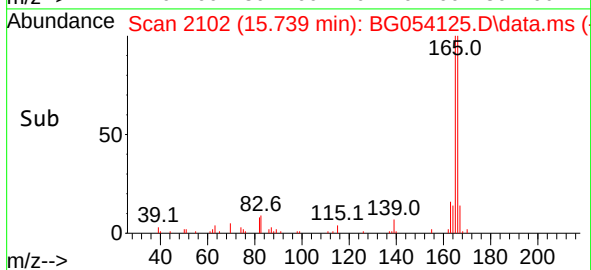
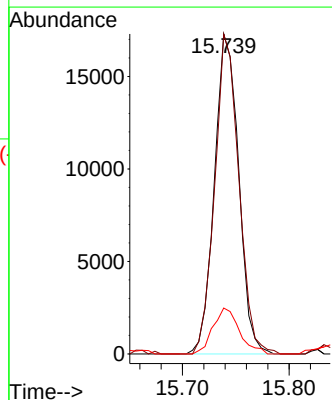
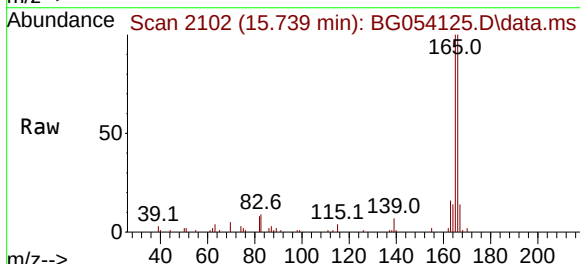
Tgt Ion:166 Resp: 27256

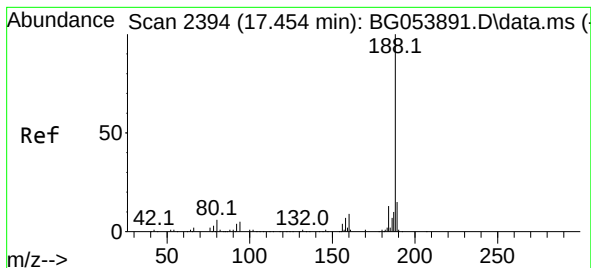
Ion Ratio Lower Upper

166 100

165 100.0 75.0 112.6

167 14.3 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.443 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623

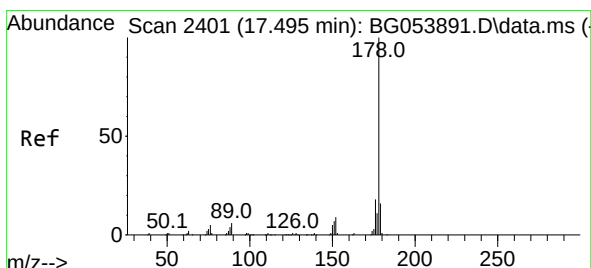
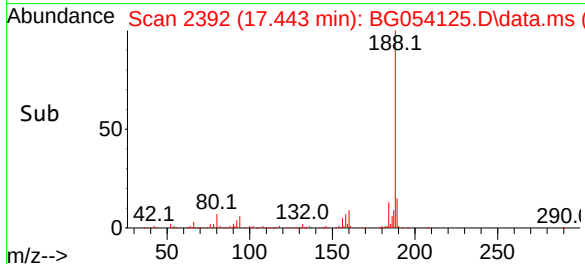
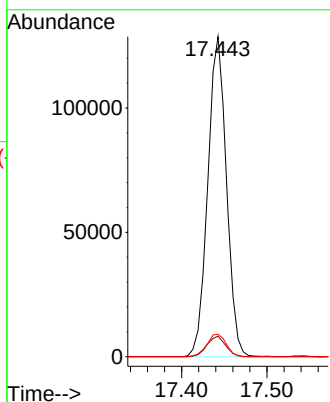
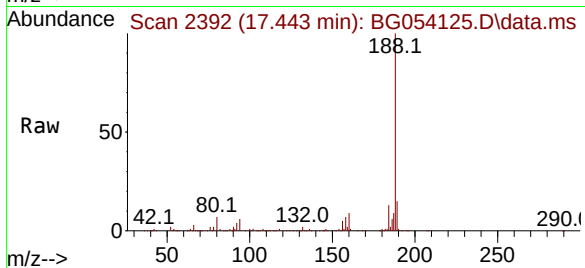
Tgt Ion:188 Resp: 195460

Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.0

80 7.0 6.8 10.2



#71

Phenanthrene

Concen: 39.338 ng

RT: 17.484 min Scan# 2399

Delta R.T. 0.001 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

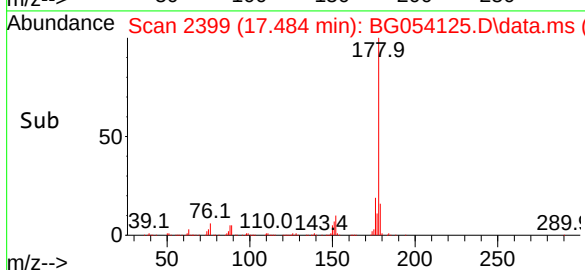
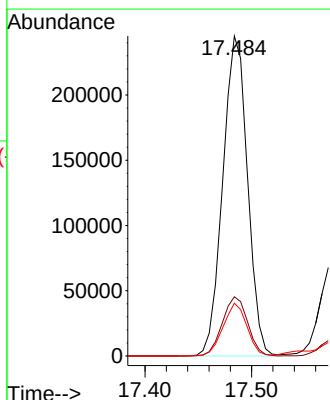
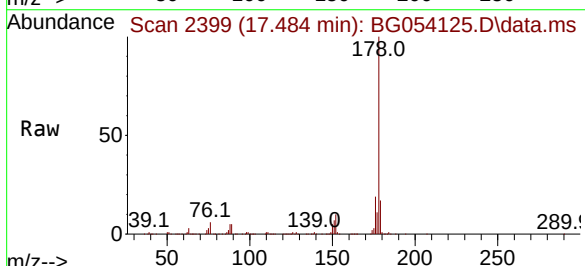
Tgt Ion:178 Resp: 395040

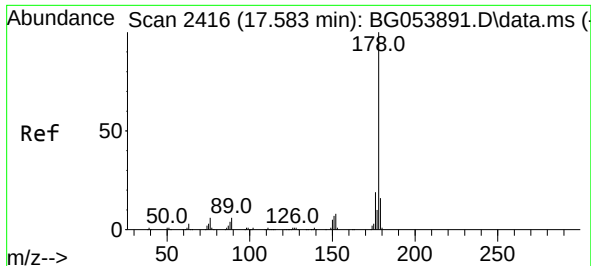
Ion Ratio Lower Upper

178 100

176 18.5 14.1 21.1

179 16.5 12.1 18.1

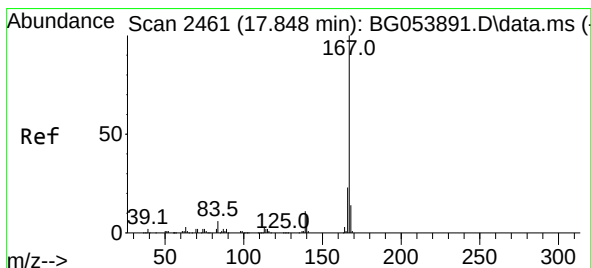
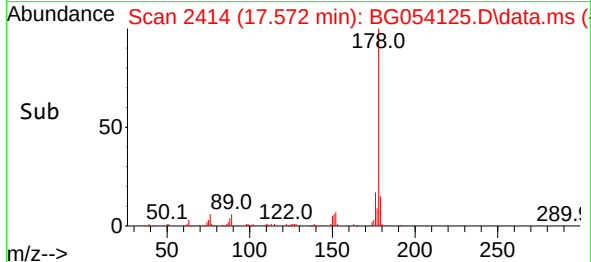
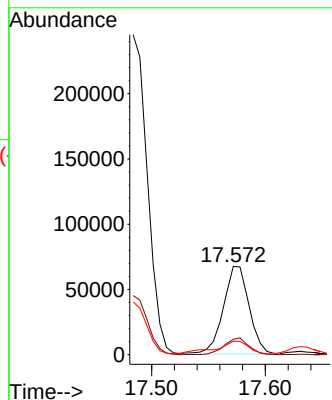
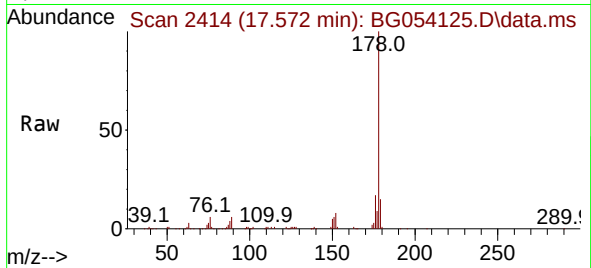




#72
 Anthracene
 Concen: 10.738 ng
 RT: 17.572 min Scan# 2416
 Delta R.T. -0.005 min
 Lab File: BG054125.D
 Acq: 28 Jun 2022 20:10

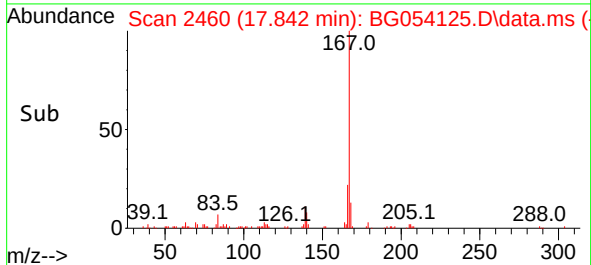
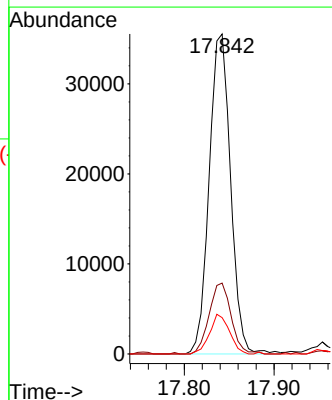
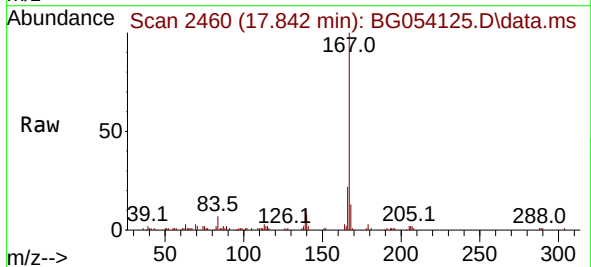
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623

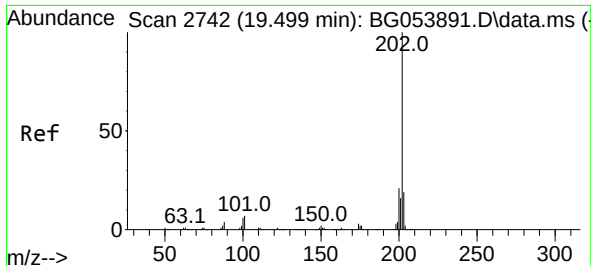
Tgt Ion:178 Resp: 105305
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.2 22.8
 179 15.3 13.0 19.4



#73
 Carbazole
 Concen: 6.994 ng
 RT: 17.842 min Scan# 2460
 Delta R.T. 0.001 min
 Lab File: BG054125.D
 Acq: 28 Jun 2022 20:10

Tgt Ion:167 Resp: 58874
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.2 27.2
 139 11.4 10.1 15.1

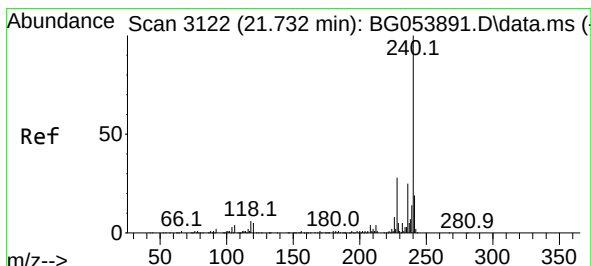
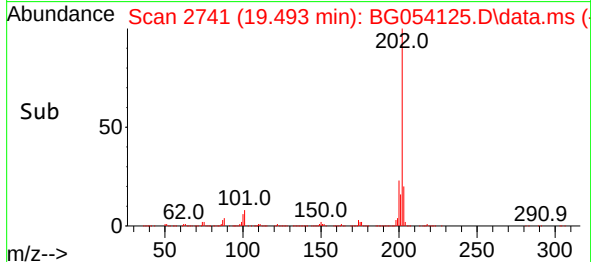
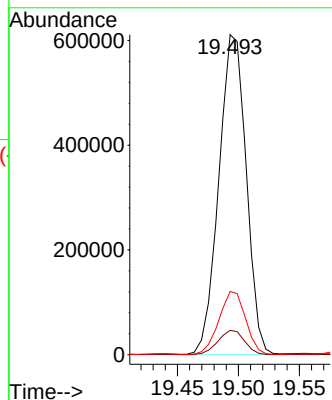
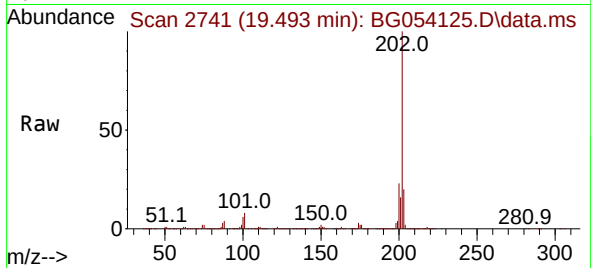




#75
Fluoranthene
Concen: 72.459 ng
RT: 19.493 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

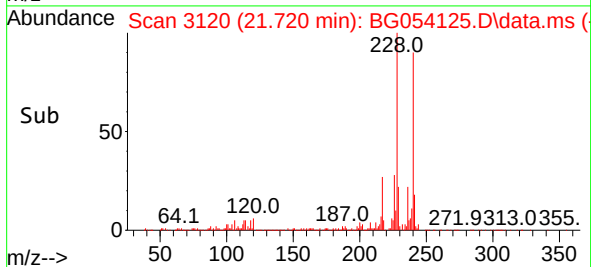
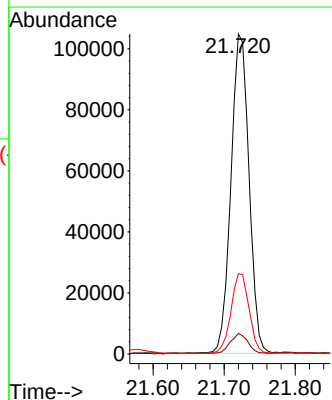
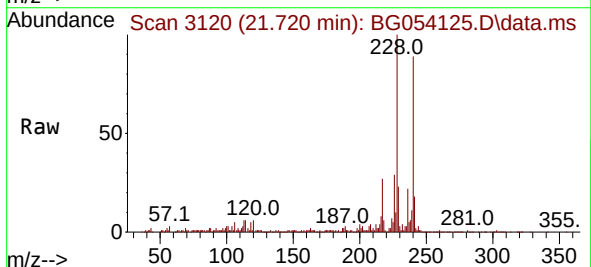
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

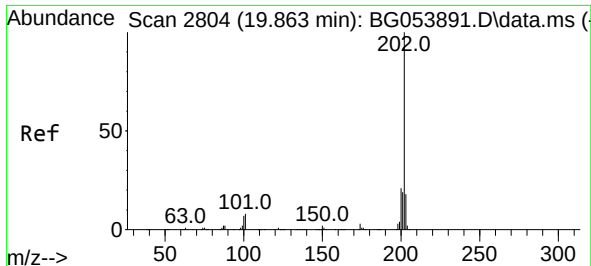
Tgt Ion:202 Resp: 955202
Ion Ratio Lower Upper
202 100
101 7.6 0.0 26.9
203 19.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.720 min Scan# 3120
Delta R.T. 0.001 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:240 Resp: 184832
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 25.1 20.2 30.4

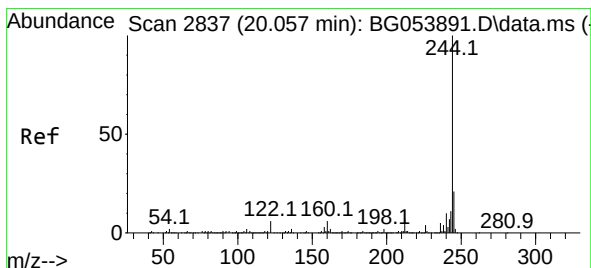
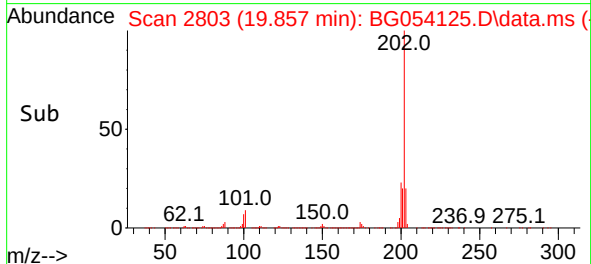
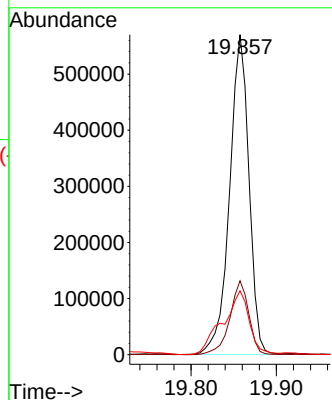
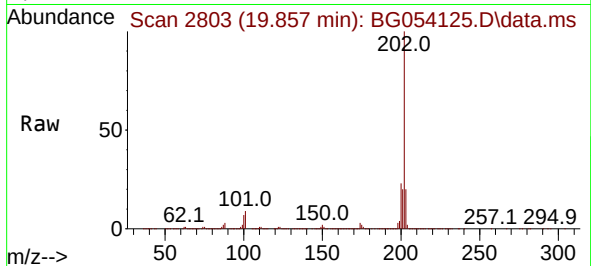




#78
Pyrene
Concen: 80.643 ng
RT: 19.857 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

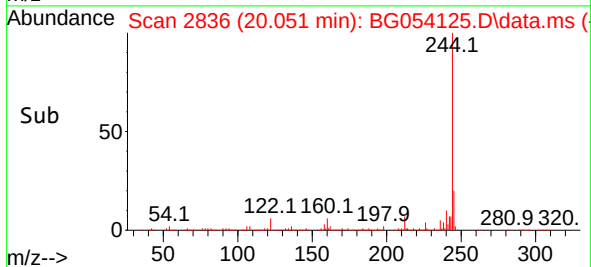
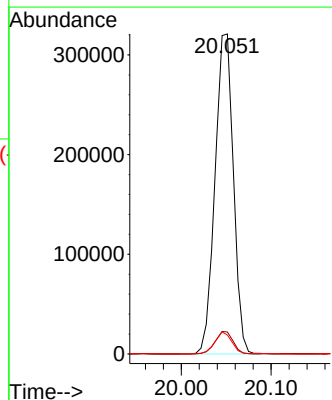
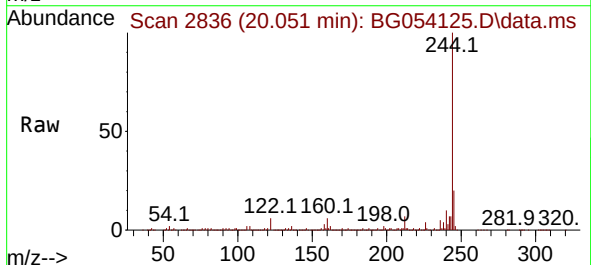
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

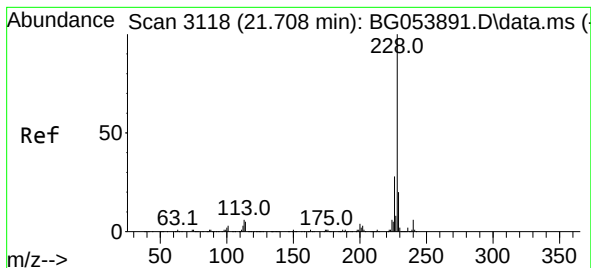
Tgt Ion:202 Resp: 900249
Ion Ratio Lower Upper
202 100
200 23.1 16.6 24.8
203 19.9 14.6 21.8



#79
Terphenyl-d14
Concen: 49.712 ng
RT: 20.051 min Scan# 2836
Delta R.T. 0.007 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:244 Resp: 456203
Ion Ratio Lower Upper
244 100
212 6.8 6.5 9.7
122 5.9 5.0 7.4





#81

Benzo(a)anthracene

Concen: 56.191 ng

RT: 21.702 min Scan# 3117

Delta R.T. 0.007 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623

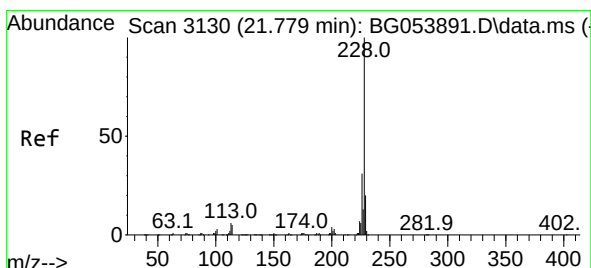
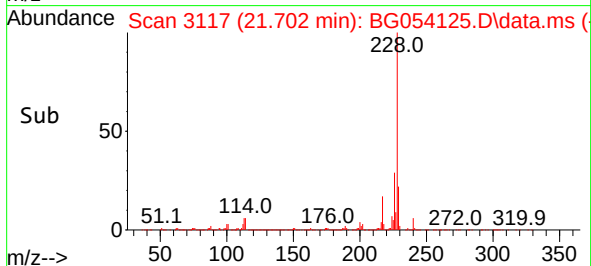
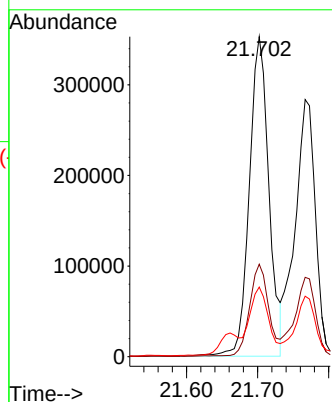
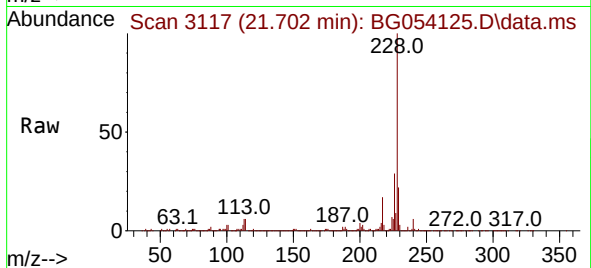
Tgt Ion:228 Resp: 672465

Ion Ratio Lower Upper

228 100

226 28.9 21.6 32.4

229 21.7 16.2 24.2



#83

Chrysene

Concen: 58.949 ng

RT: 21.702 min Scan# 3117

Delta R.T. -0.058 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

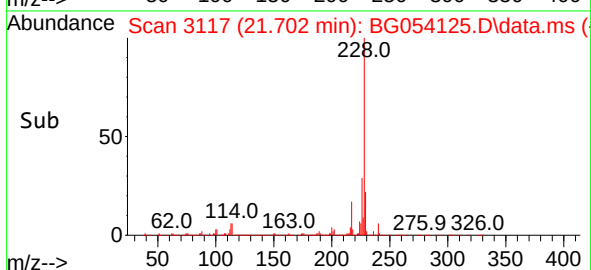
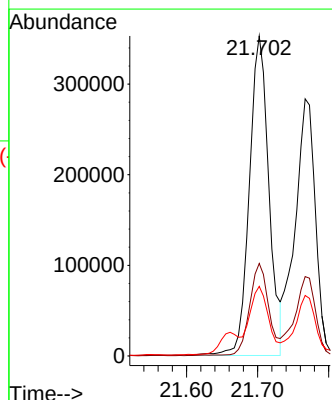
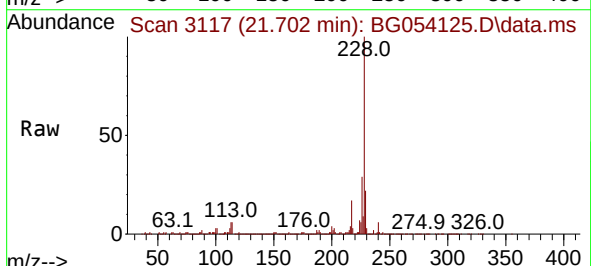
Tgt Ion:228 Resp: 672465

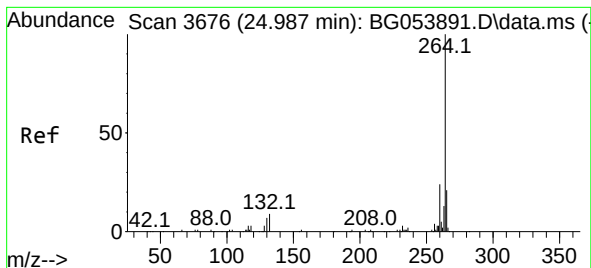
Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

229 21.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.987 min Scan# 3

Delta R.T. 0.024 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623

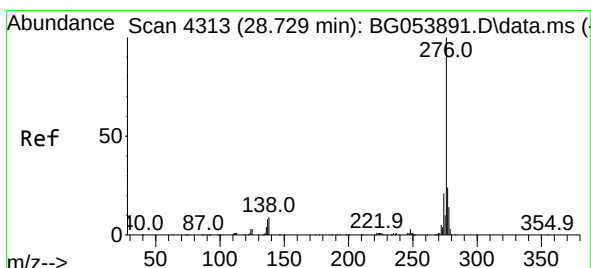
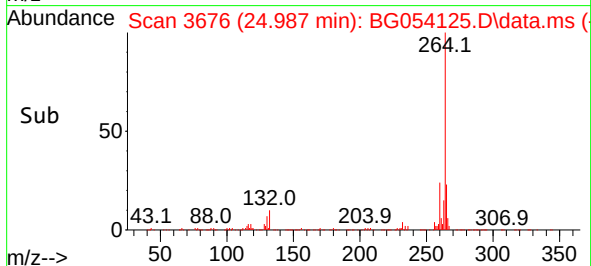
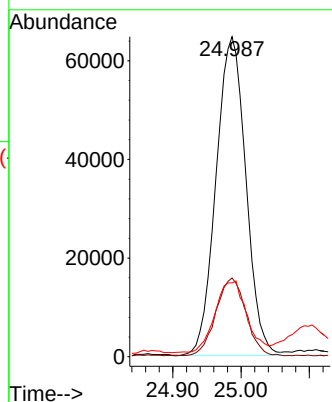
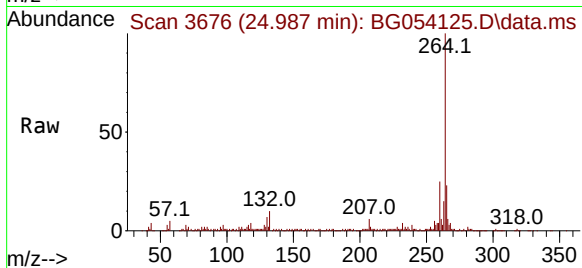
Tgt Ion:264 Resp: 196422

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 23.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.756 ng

RT: 28.724 min Scan# 4312

Delta R.T. 0.036 min

Lab File: BG054125.D

Acq: 28 Jun 2022 20:10

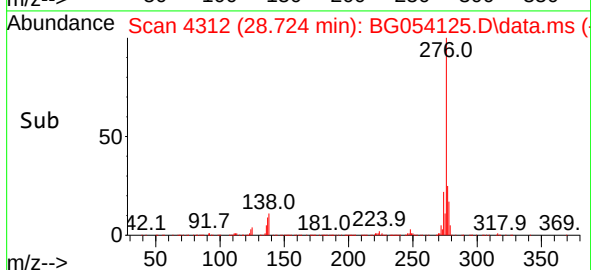
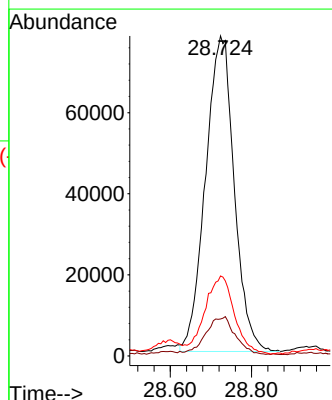
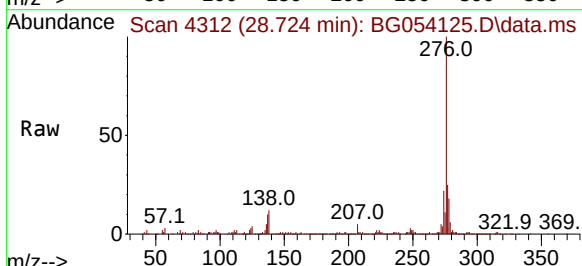
Tgt Ion:276 Resp: 381784

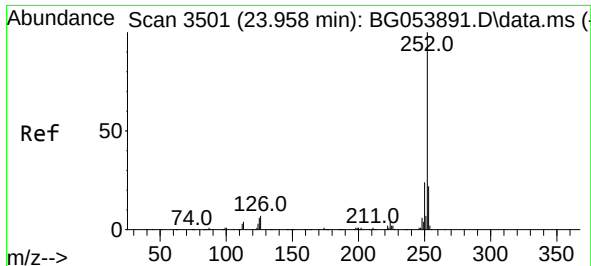
Ion Ratio Lower Upper

276 100

138 12.1 5.0 7.4#

277 25.3 20.3 30.5

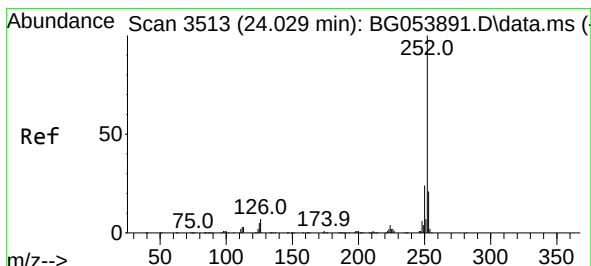
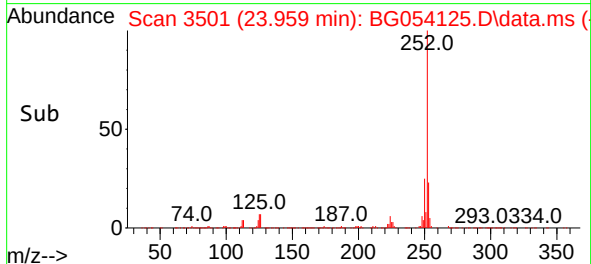
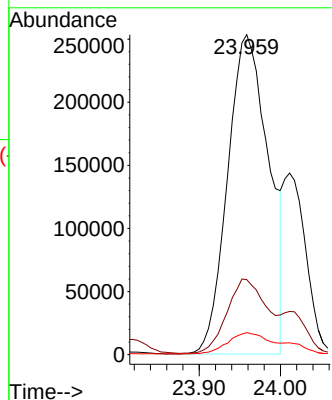
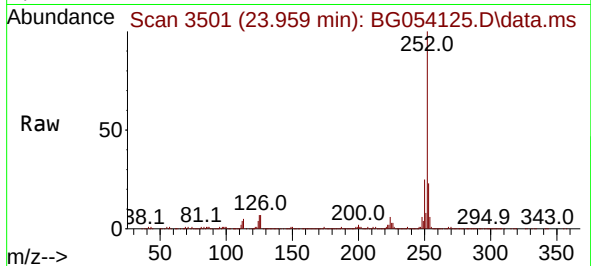




#88
Benzo(b)fluoranthene
Concen: 74.325 ng
RT: 23.959 min Scan# 3501
Delta R.T. 0.024 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

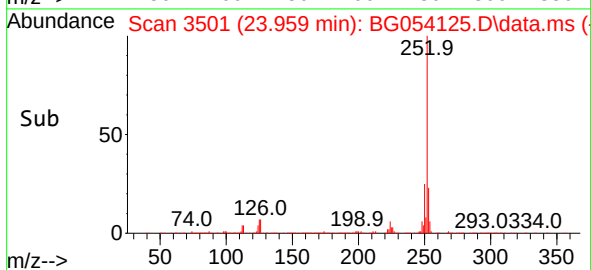
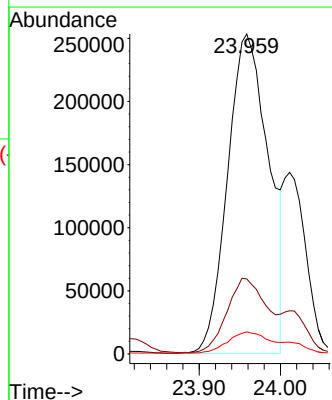
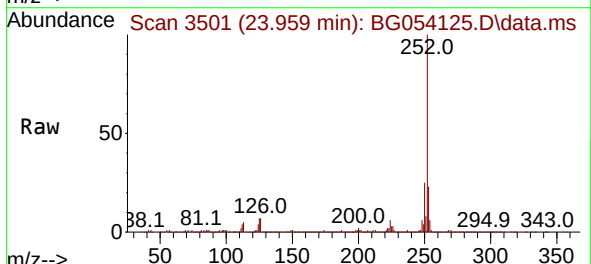
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

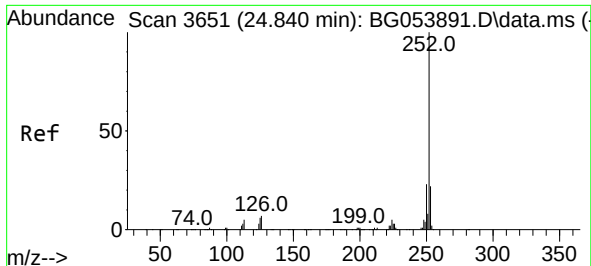
Tgt Ion:252 Resp: 887665
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 6.9 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 75.069 ng
RT: 23.959 min Scan# 3501
Delta R.T. -0.046 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

Tgt Ion:252 Resp: 887665
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 6.9 4.8 7.2

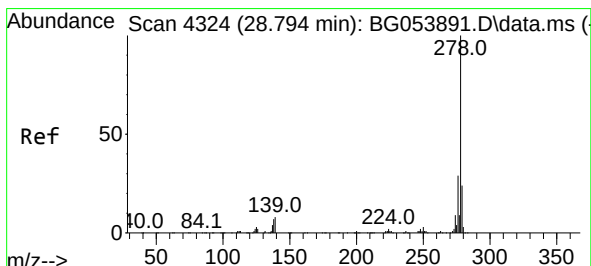
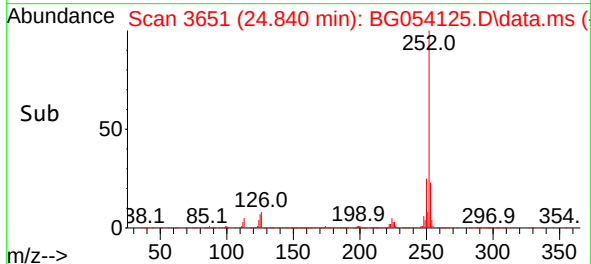
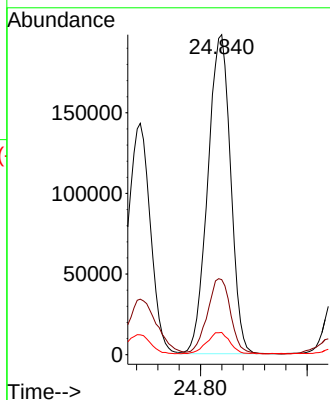
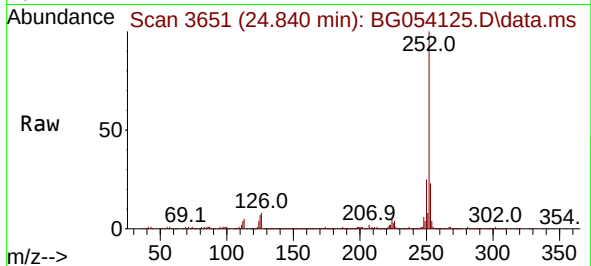




#90
Benzo(a)pyrene
Concen: 58.338 ng
RT: 24.840 min Scan# 30
Delta R.T. 0.024 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

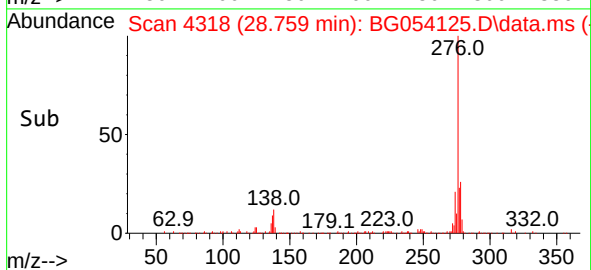
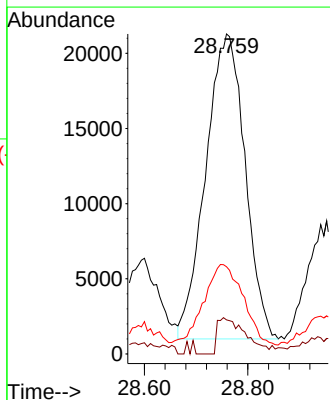
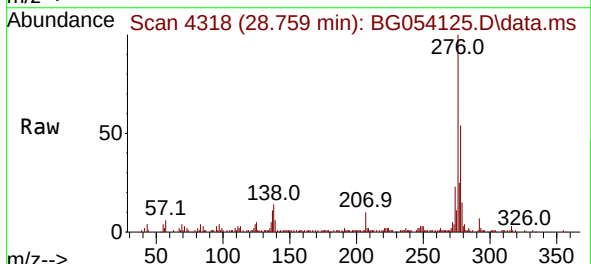
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

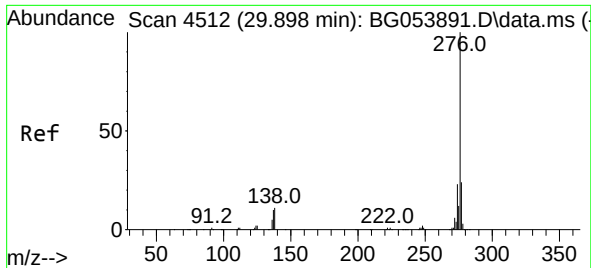
Tgt Ion:252 Resp: 587848
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.9 4.3 6.5#



#91
Dibenzo(a,h)anthracene
Concen: 8.733 ng
RT: 28.759 min Scan# 4318
Delta R.T. 0.013 min
Lab File: BG054125.D
Acq: 28 Jun 2022 20:10

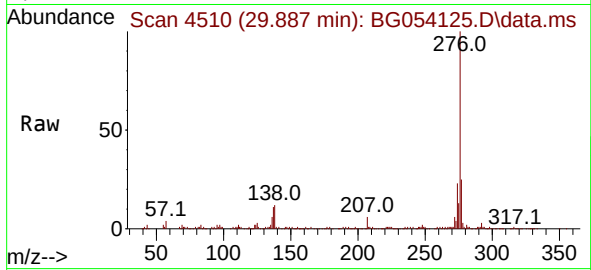
Tgt Ion:278 Resp: 107046
Ion Ratio Lower Upper
278 100
139 10.6 7.2 10.8
279 27.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 29.790 ng
 RT: 29.887 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BG054125.D
 Acq: 28 Jun 2022 20:10

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623



Tgt Ion:276 Resp: 360350

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.3	25.9
138	12.3	9.6	14.4

