

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054127.D
 Acq On : 28 Jun 2022 21:28
 Operator : CG/JU
 Sample : N3488-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 00:50:43 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)

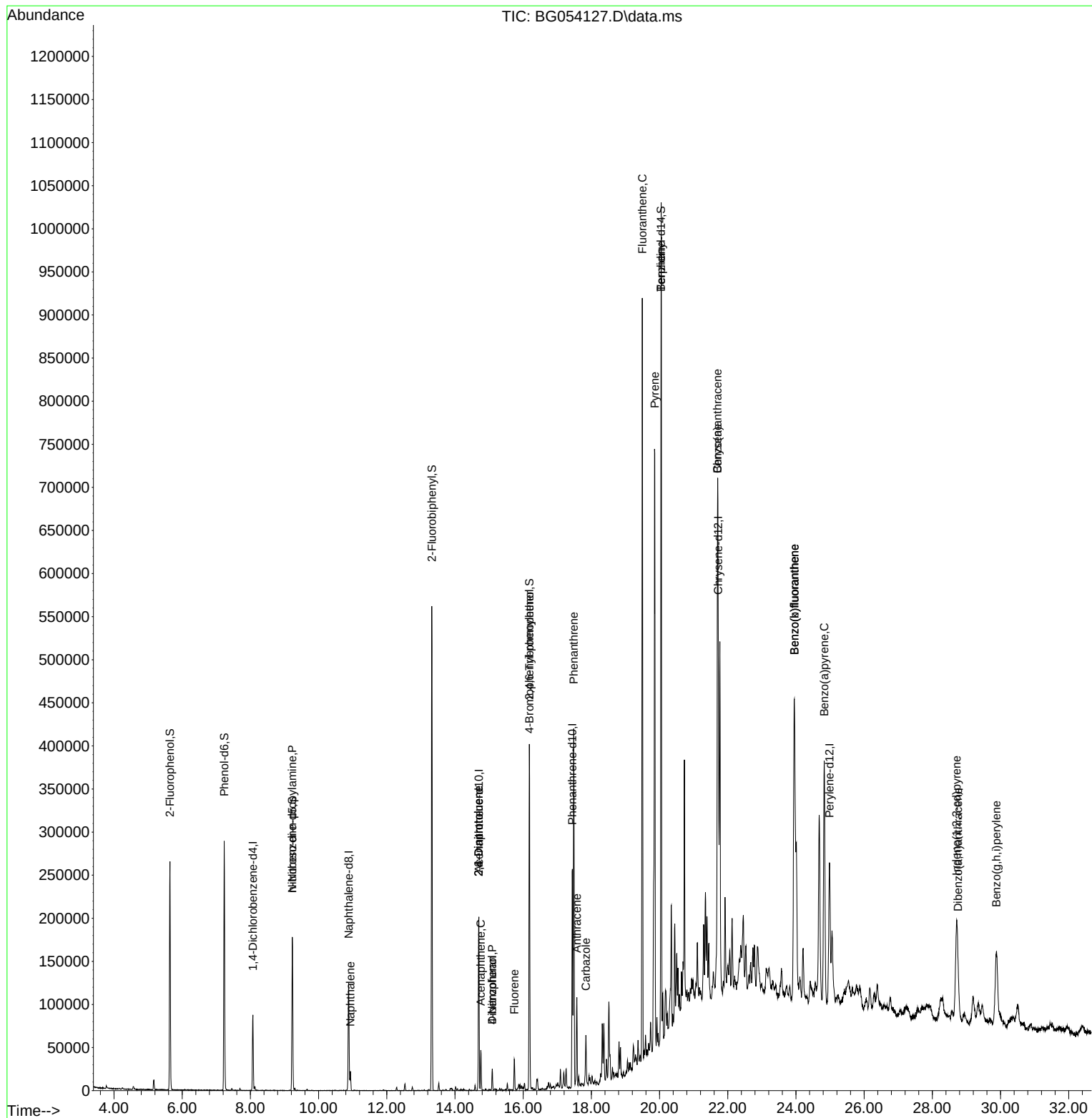
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	27917	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	114908	20.000	ng	# 0.00
39) Acenaphthene-d10	14.700	164	80521	20.000	ng	0.00
64) Phenanthrene-d10	17.444	188	182741	20.000	ng	# 0.00
76) Chrysene-d12	21.721	240	176968	20.000	ng	0.00
86) Perylene-d12	24.982	264	187366	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	126661	86.744	ng	0.00
7) Phenol-d6	7.232	99	174587	88.139	ng	0.00
23) Nitrobenzene-d5	9.230	82	116363	56.908	ng	0.00
42) 2,4,6-Tribromophenol	16.181	330	92626	71.597	ng	0.00
45) 2-Fluorobiphenyl	13.319	172	320290	57.841	ng	0.00
79) Terphenyl-d14	20.047	244	542023	61.688	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.230	70	15252	11.461	ng	# 85
31) Naphthalene	10.934	128	20271	3.494	ng	97
51) 2,6-Dinitrotoluene	14.694	165	11495	9.278	ng	# 16
52) Acenaphthene	14.759	154	17981	3.997	ng	98
55) Dibenzofuran	15.094	168	16174	2.231	ng	# 90
56) 4-Nitrophenol	15.094	139	5103	5.988	ng	# 1
57) 2,4-Dinitrotoluene	14.694	165	11495	6.569	ng	# 21
58) Fluorene	15.740	166	18432	3.097	ng	88
67) 4-Bromophenyl-phenylether	16.187	248	5637	2.470	ng	# 1
71) Phenanthrene	17.485	178	295206	31.443	ng	97
72) Anthracene	17.573	178	74859	8.165	ng	98
73) Carbazole	17.838	167	39342	4.999	ng	97
75) Fluoranthene	19.494	202	596273	48.380	ng	97
77) Benzidine	20.047	184	7467	2.037	ng	# 94
78) Pyrene	19.859	202	520294	48.678	ng	98
81) Benzo(a)anthracene	21.698	228	374006	32.640	ng	98
83) Chrysene	21.698	228	374006	34.243	ng	96
87) Indeno(1,2,3-cd)pyrene	28.713	276	227312	16.076	ng	# 94
88) Benzo(b)fluoranthene	23.954	252	513279	45.055	ng	99
89) Benzo(k)fluoranthene	23.954	252	513279	45.506	ng	99
90) Benzo(a)pyrene	24.829	252	341783	35.558	ng	# 98
91) Dibenzo(a,h)anthracene	28.748	278	65160	5.573	ng	93
92) Benzo(g,h,i)perylene	29.876	276	215092	18.641	ng	95

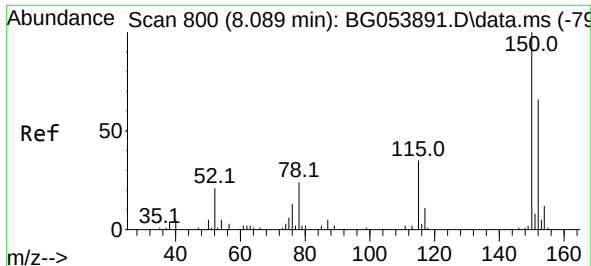
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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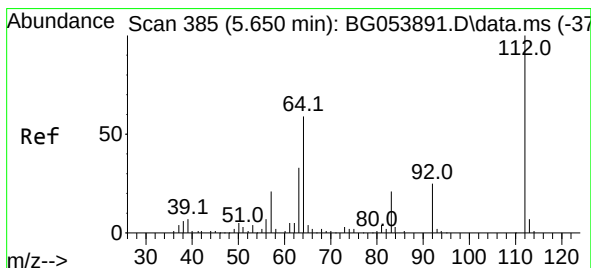
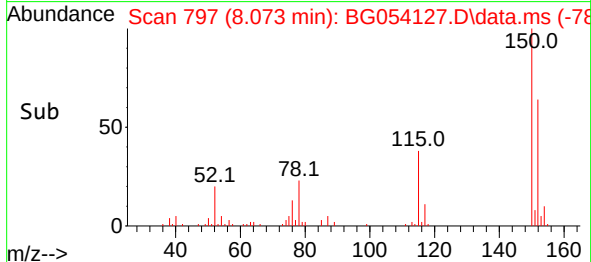
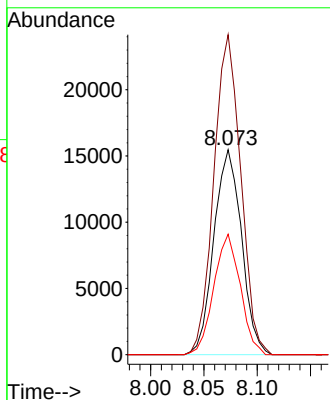
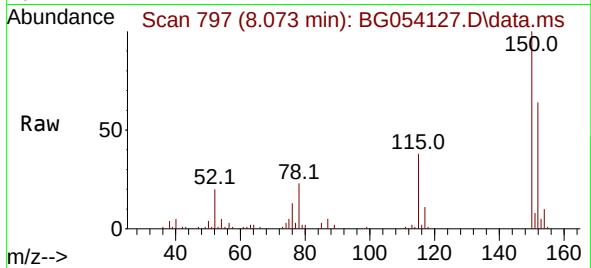




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.073 min Scan# 79
 Delta R.T. 0.003 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

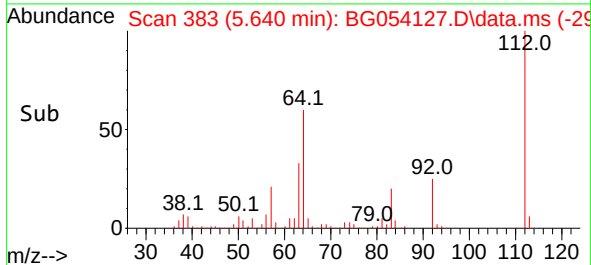
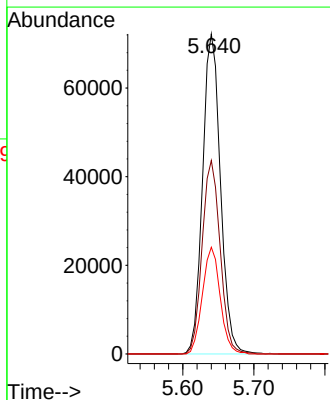
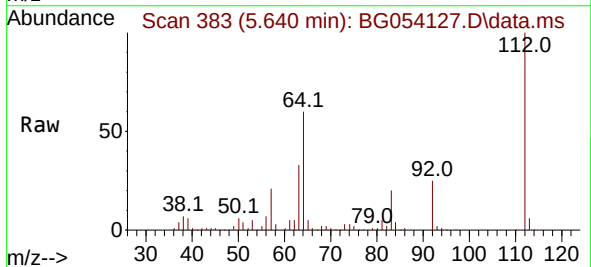
Instrument :
 BNA_G
 ClientSampleId :

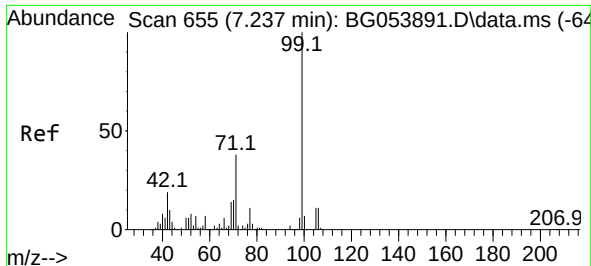
Tgt Ion:152 Resp: 27917
 Ion Ratio Lower Upper
 152 100
 150 156.1 131.6 197.4
 115 58.8 50.9 76.3



#5
 2-Fluorophenol
 Concen: 86.744 ng
 RT: 5.640 min Scan# 383
 Delta R.T. 0.002 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

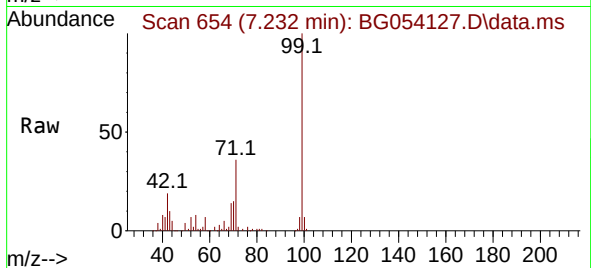
Tgt Ion:112 Resp: 126661
 Ion Ratio Lower Upper
 112 100
 64 60.5 55.1 82.7
 63 33.3 30.4 45.6



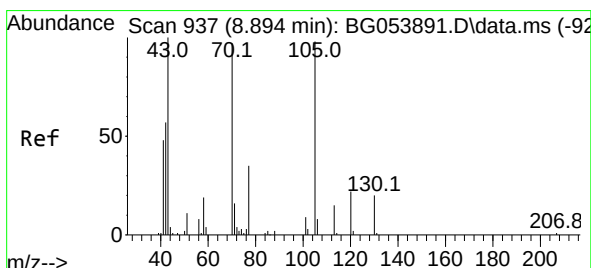
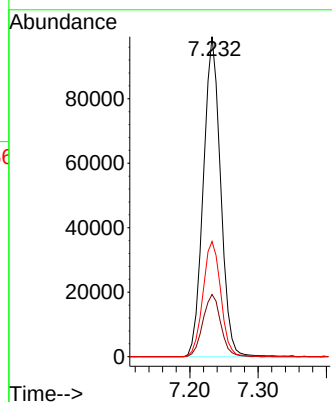
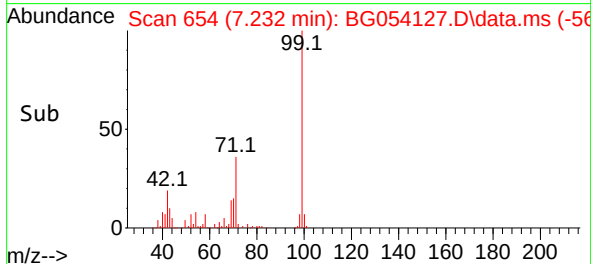


#7
Phenol-d6
Concen: 88.139 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

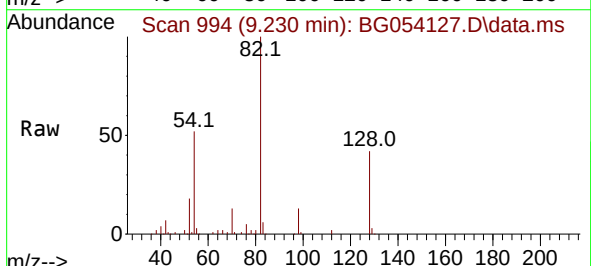
Instrument :
BNA_G
ClientSampleId :



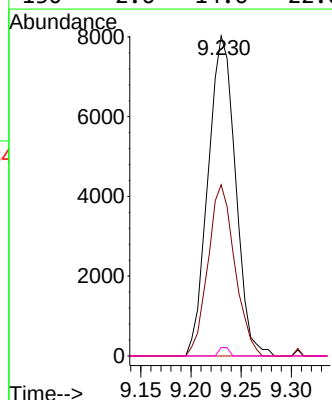
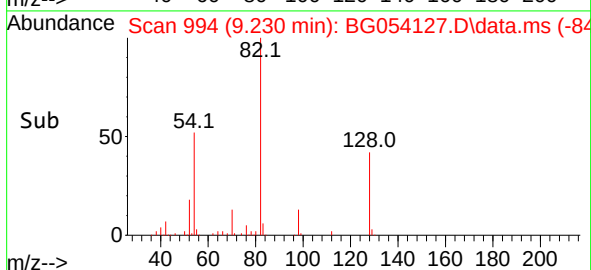
Tgt Ion: 99 Resp: 174587
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 36.0 33.8 50.8

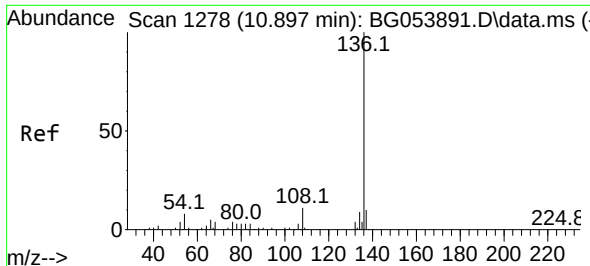


#19
n-Nitroso-di-n-propylamine
Concen: 11.461 ng
RT: 9.230 min Scan# 994
Delta R.T. 0.355 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



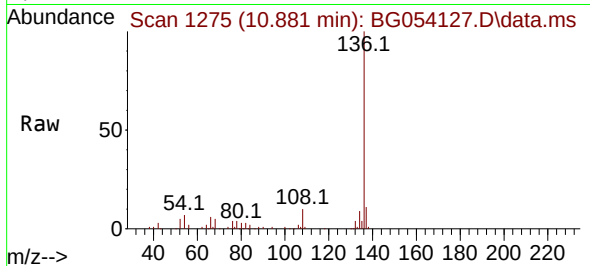
Tgt Ion: 70 Resp: 15252
Ion Ratio Lower Upper
70 100
42 53.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.6 14.6 22.0#



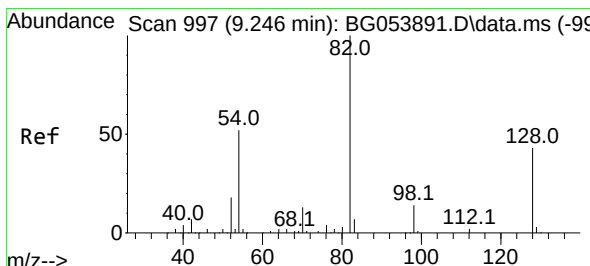
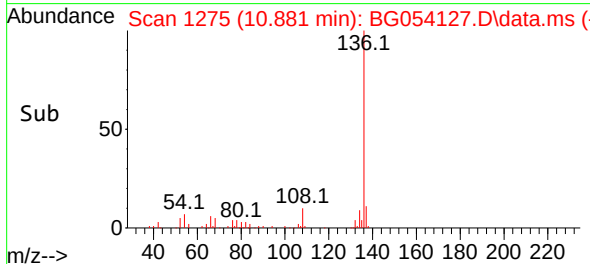
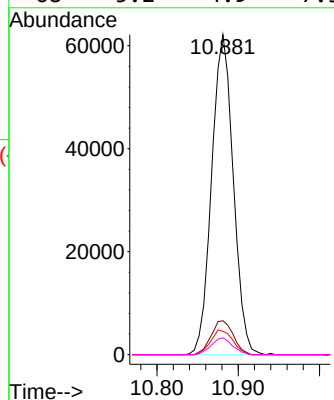


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 114908
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :

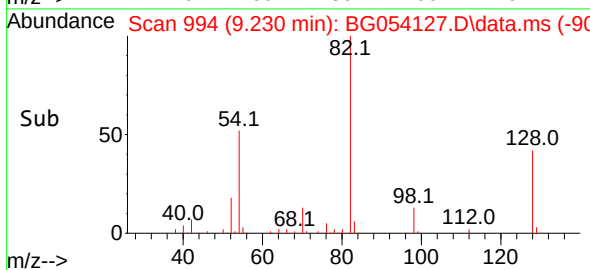
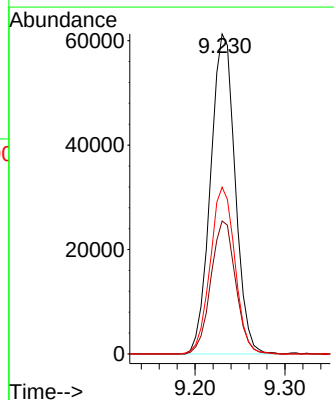
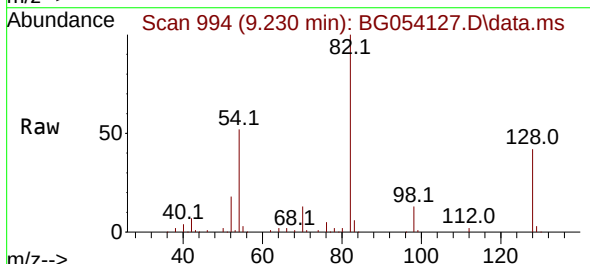


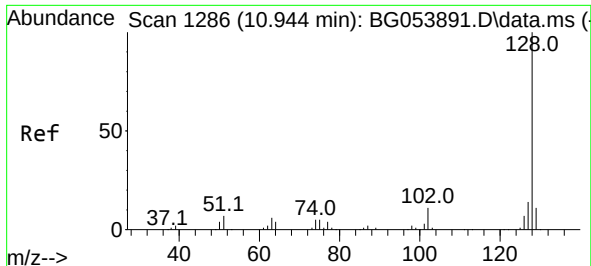
Tgt Ion:136 Resp: 114908
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.3 7.4 11.2#
68 5.2 4.9 7.3



#23
Nitrobenzene-d5
Concen: 56.908 ng
RT: 9.230 min Scan# 994
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

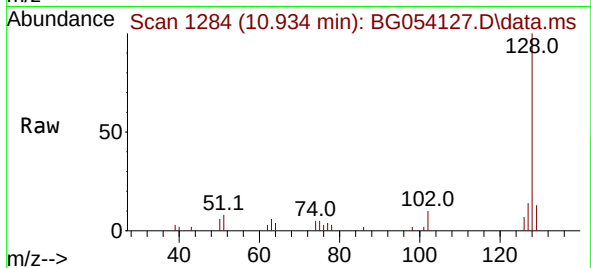
Tgt Ion: 82 Resp: 116363
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 52.1 41.2 61.8



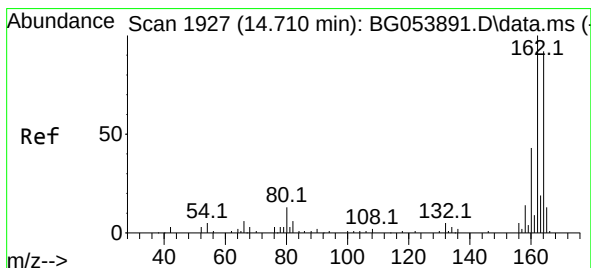
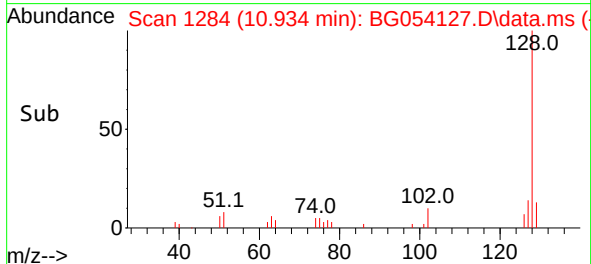
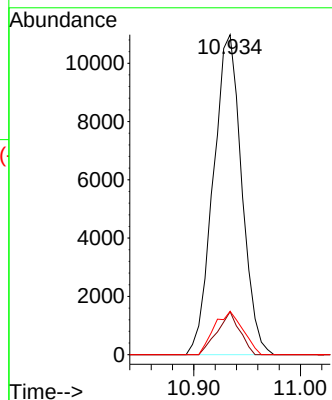


#31
Naphthalene
Concen: 3.494 ng
RT: 10.934 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :

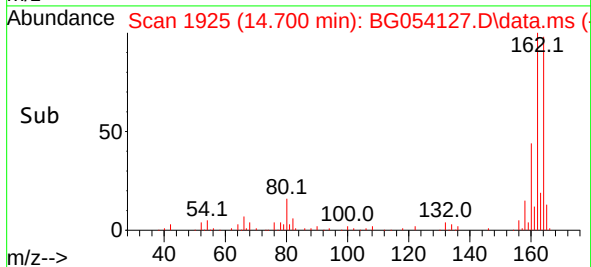
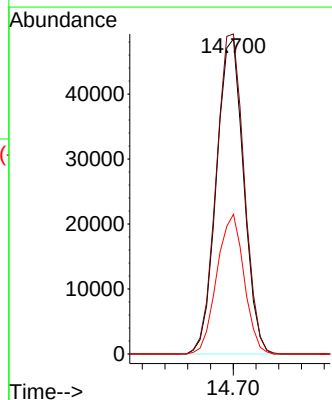
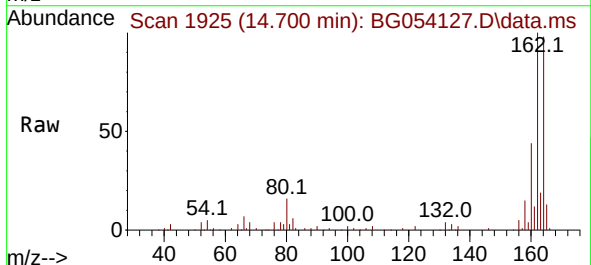


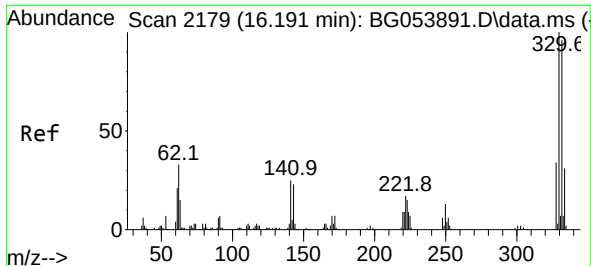
Tgt Ion:128 Resp: 20271
Ion Ratio Lower Upper
128 100
129 13.5 9.0 13.6
127 13.6 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.700 min Scan# 1925
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

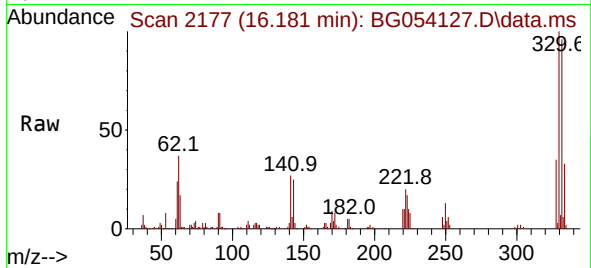
Tgt Ion:164 Resp: 80521
Ion Ratio Lower Upper
164 100
162 101.6 82.3 123.5
160 44.3 34.2 51.2



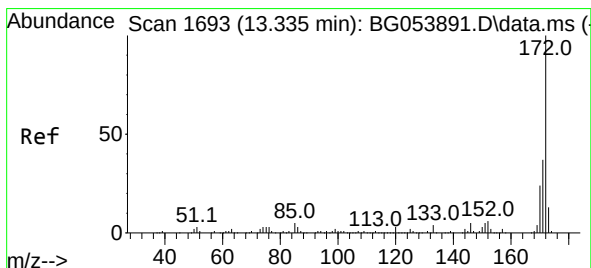
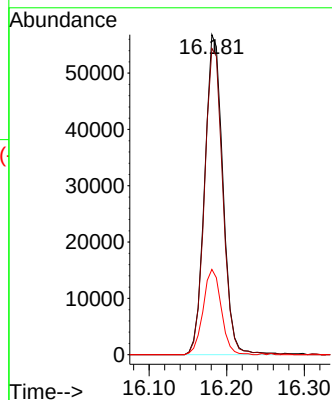
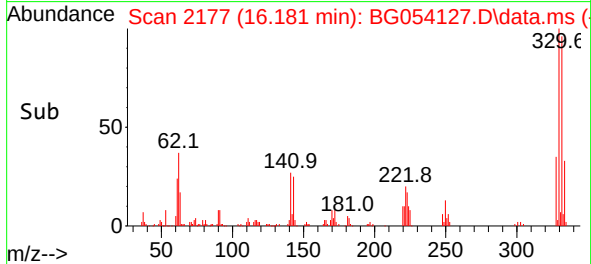


#42
2,4,6-Tribromophenol
Concen: 71.597 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

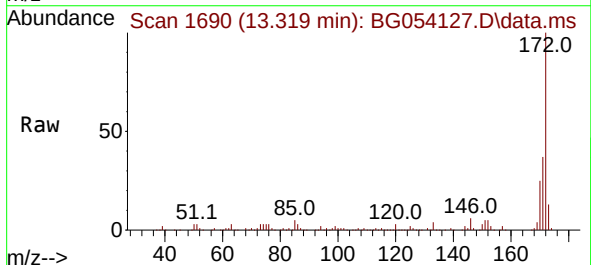
Instrument :
BNA_G
ClientSampleId :



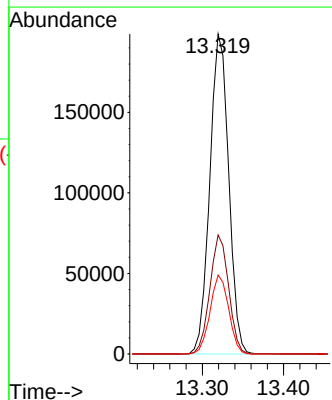
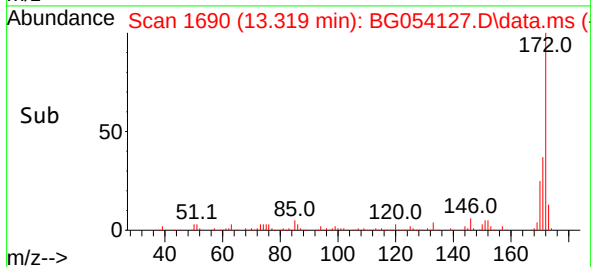
Tgt Ion:330 Resp: 92626
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 26.4 27.1 40.7#

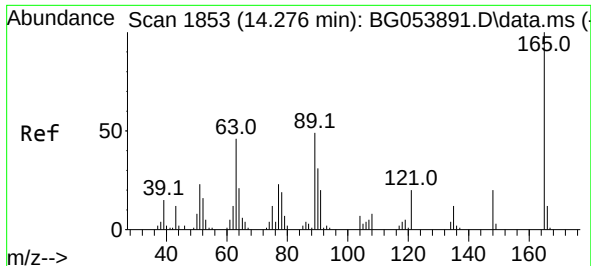


#45
2-Fluorobiphenyl
Concen: 57.841 ng
RT: 13.319 min Scan# 1690
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



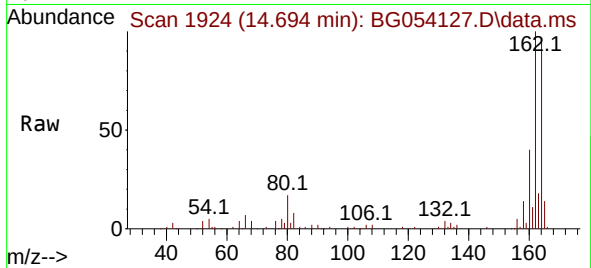
Tgt Ion:172 Resp: 320290
Ion Ratio Lower Upper
172 100
171 37.2 28.5 42.7
170 24.6 18.9 28.3



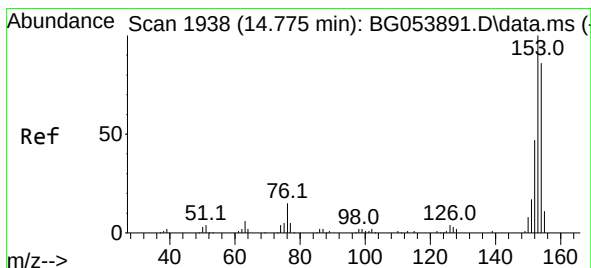
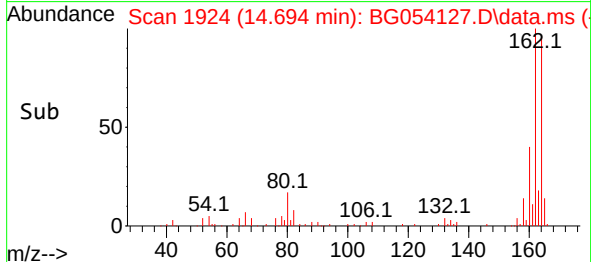
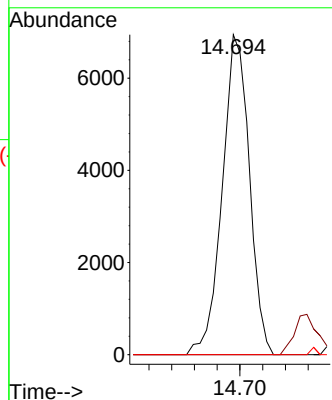


#51
2,6-Dinitrotoluene
Concen: 9.278 ng
RT: 14.694 min Scan# 1924
Delta R.T. 0.431 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :

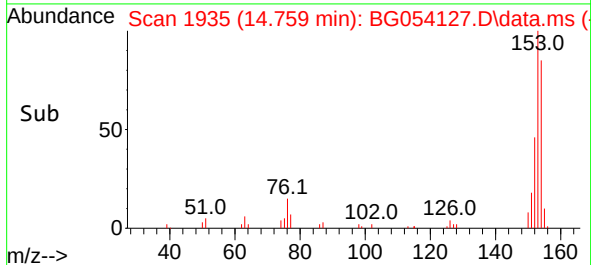
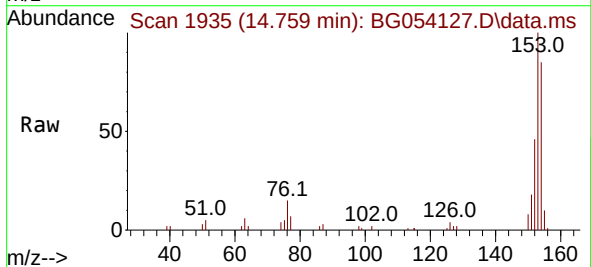
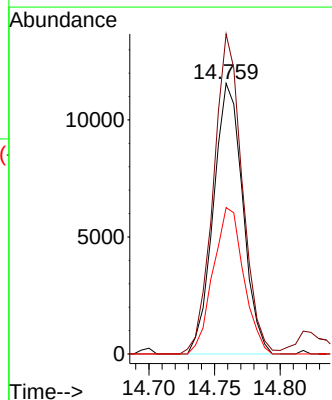


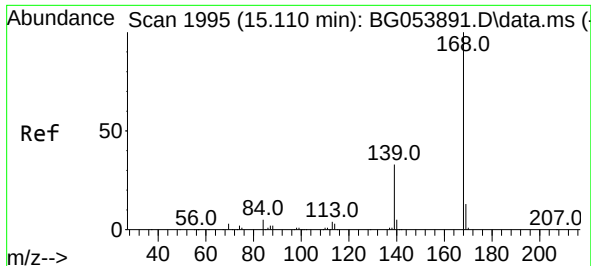
Tgt Ion:165 Resp: 11495
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#52
Acenaphthene
Concen: 3.997 ng
RT: 14.759 min Scan# 1935
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:154 Resp: 17981
Ion Ratio Lower Upper
154 100
153 118.3 92.7 139.1
152 54.1 42.6 64.0

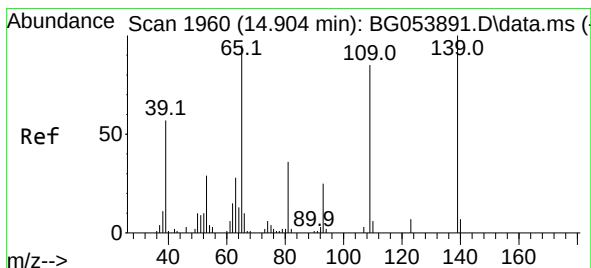
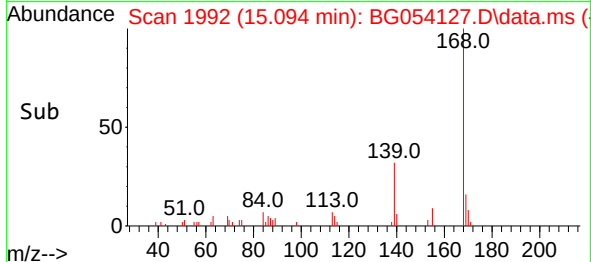
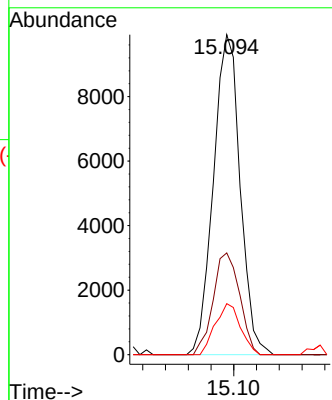
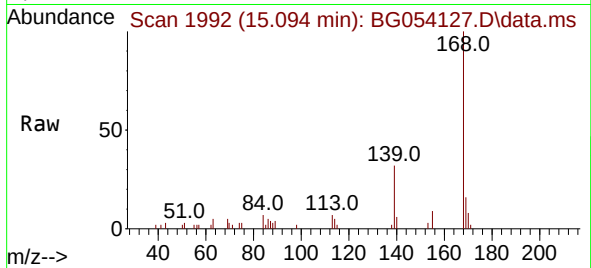




#55
Dibenzenofuran
Concen: 2.231 ng
RT: 15.094 min Scan# 1992
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

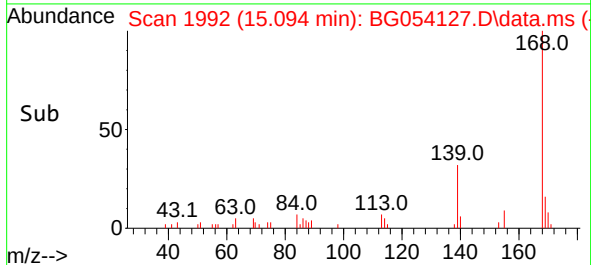
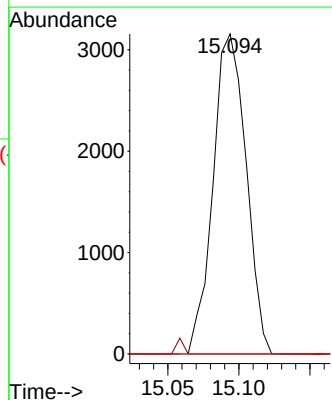
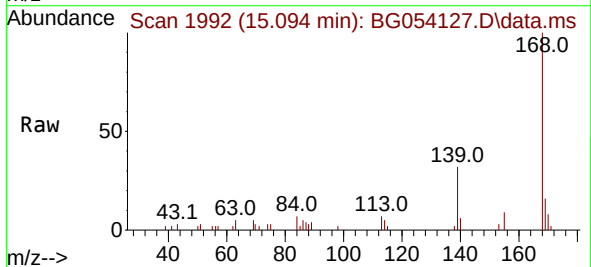
Instrument :
BNA_G
ClientSampleId :

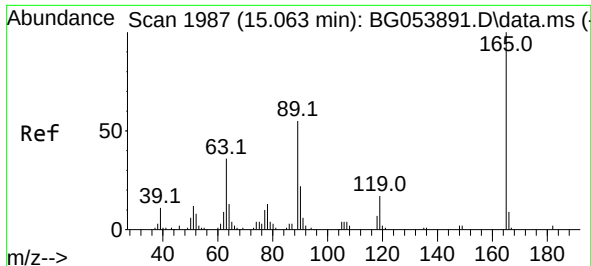
Tgt Ion:168 Resp: 16174
Ion Ratio Lower Upper
168 100
139 31.8 30.5 45.7
169 15.9 10.3 15.5#



#56
4-Nitrophenol
Concen: 5.988 ng
RT: 15.094 min Scan# 1992
Delta R.T. 0.196 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

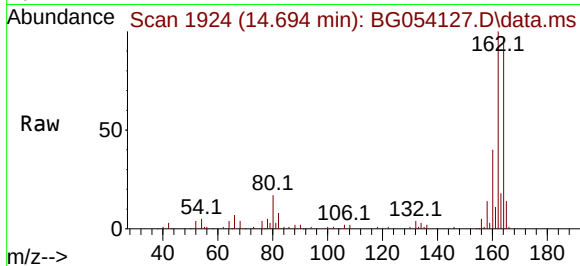
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109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



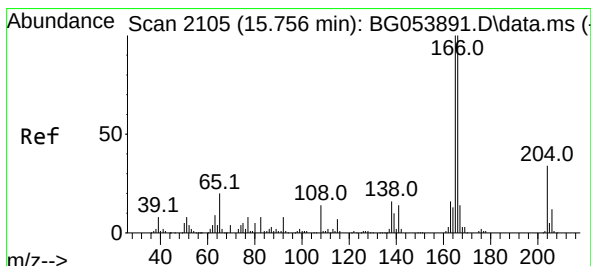
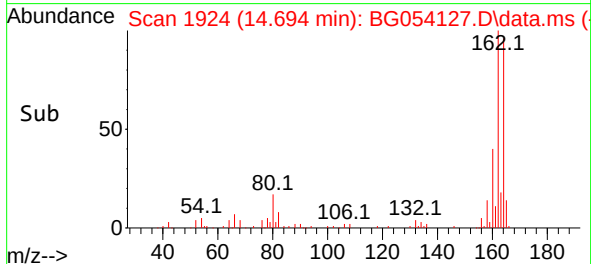
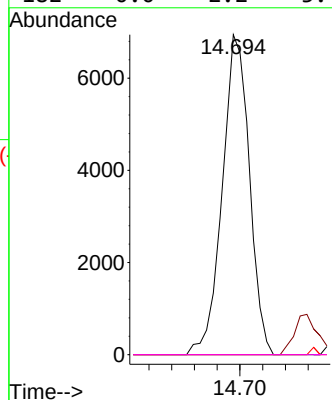


#57
2,4-Dinitrotoluene
Concen: 6.569 ng
RT: 14.694 min Scan# 1987
Delta R.T. -0.356 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :

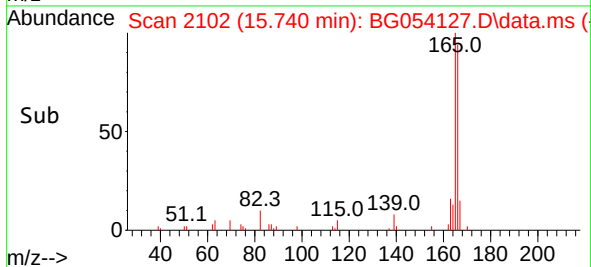
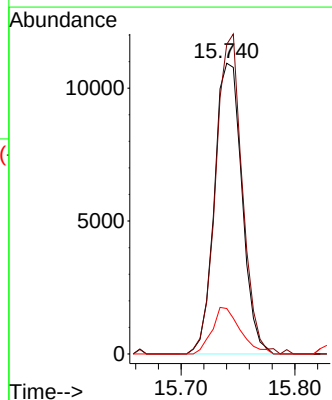
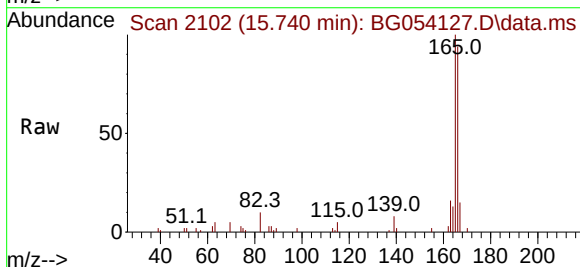


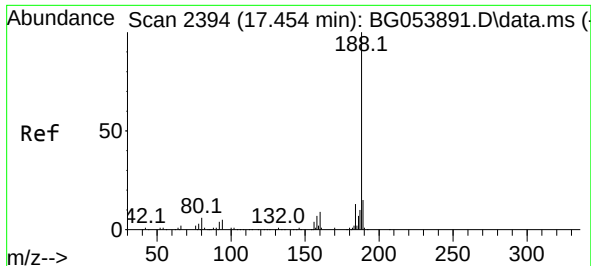
Tgt Ion:165 Resp: 11495
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 3.097 ng
RT: 15.740 min Scan# 2102
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:166 Resp: 18432
Ion Ratio Lower Upper
166 100
165 106.5 75.0 112.6
167 15.7 10.8 16.2

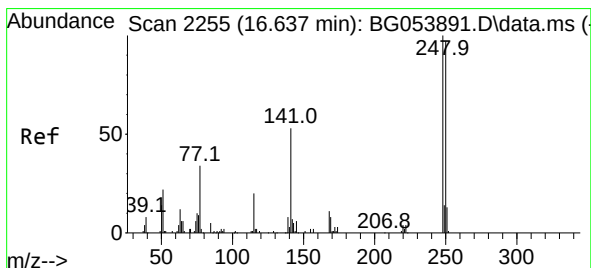
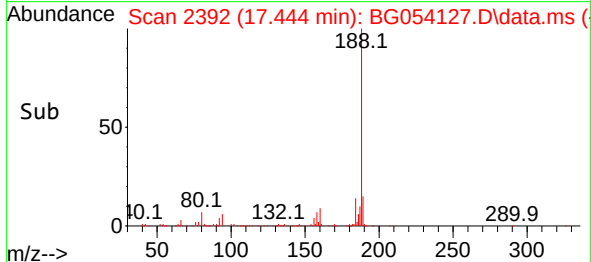
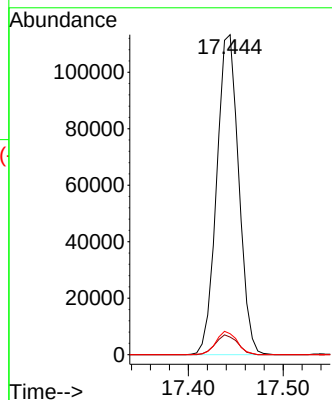
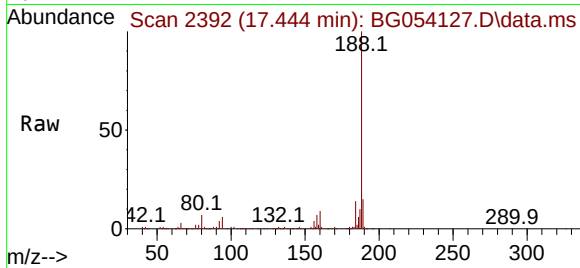




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.444 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

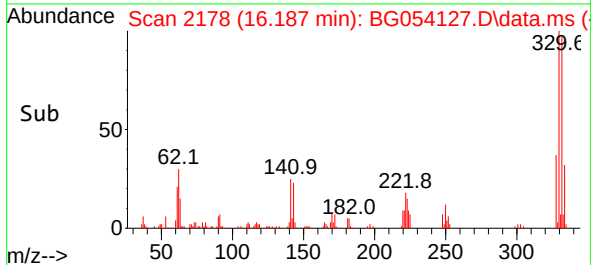
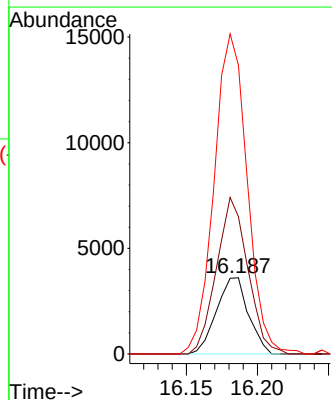
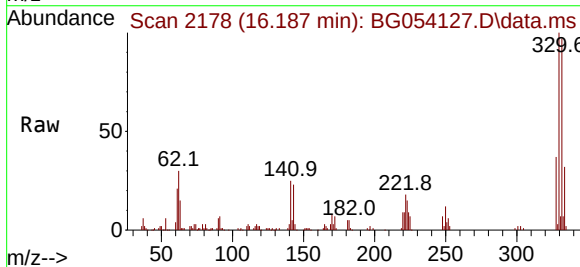
Instrument :
BNA_G
ClientSampleId :

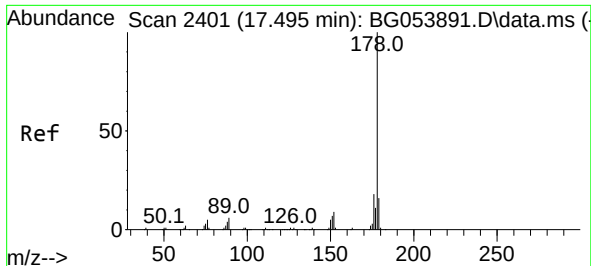
Tgt Ion:188 Resp: 182741
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 6.6 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 2.470 ng
RT: 16.187 min Scan# 2178
Delta R.T. -0.438 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:248 Resp: 5637
Ion Ratio Lower Upper
248 100
250 239.7 75.2 112.8#
141 378.8 50.0 75.0#

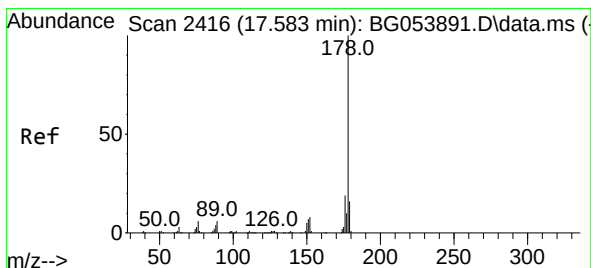
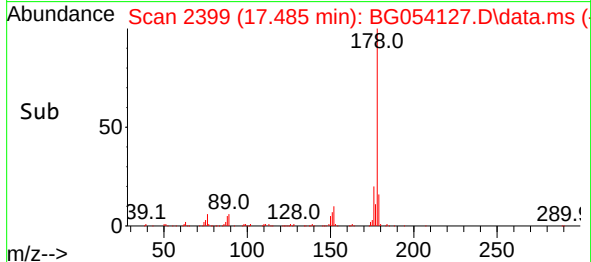
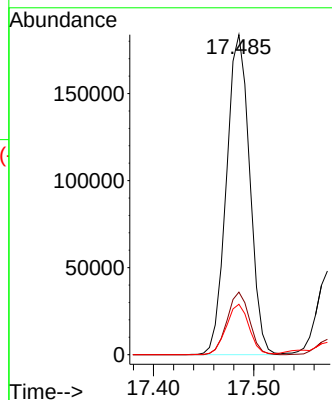
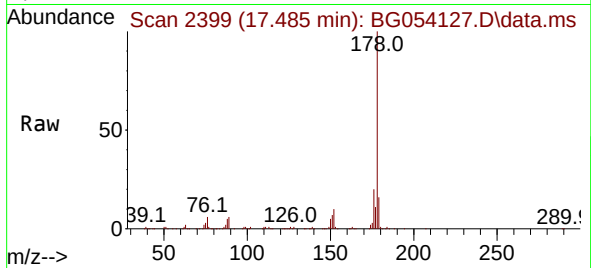




#71
 Phenanthrene
 Concen: 31.443 ng
 RT: 17.485 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

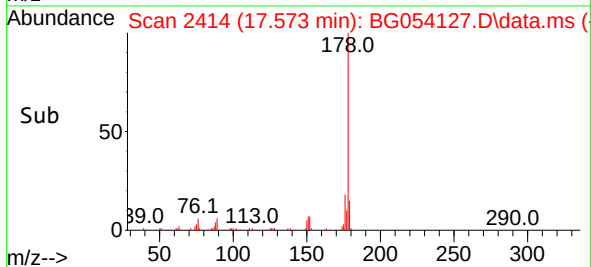
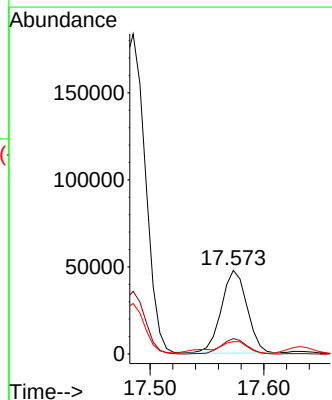
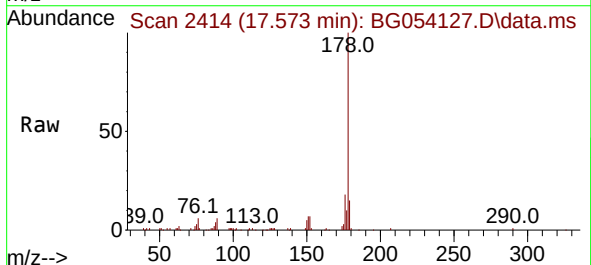
Instrument :
 BNA_G
 ClientSampleId :

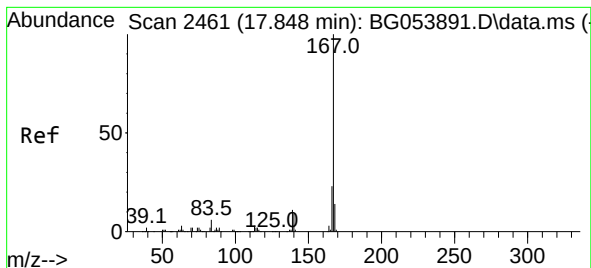
Tgt Ion:178 Resp: 295206
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.1 21.1
 179 15.8 12.1 18.1



#72
 Anthracene
 Concen: 8.165 ng
 RT: 17.573 min Scan# 2414
 Delta R.T. -0.004 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

Tgt Ion:178 Resp: 74859
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 14.8 13.0 19.4





#73

Carbazole

Concen: 4.999 ng

RT: 17.838 min Scan# 2461

Delta R.T. -0.004 min

Lab File: BG054127.D

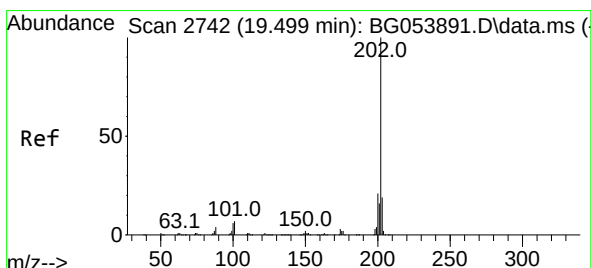
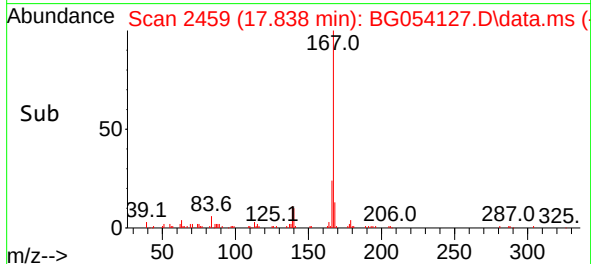
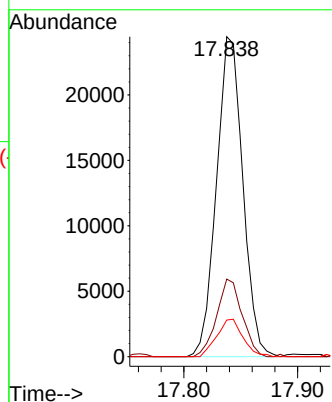
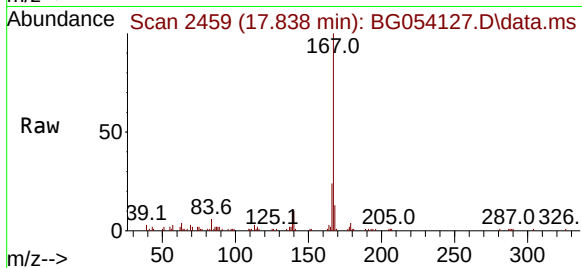
Acq: 28 Jun 2022 21:28

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:167	Resp:	39342
Ion Ratio	Lower	Upper
167	100	
166	24.2	18.2 27.2
139	11.4	10.1 15.1



#75

Fluoranthene

Concen: 48.380 ng

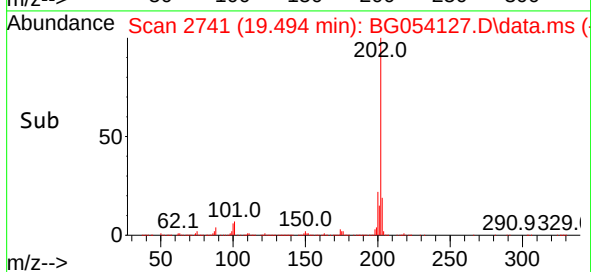
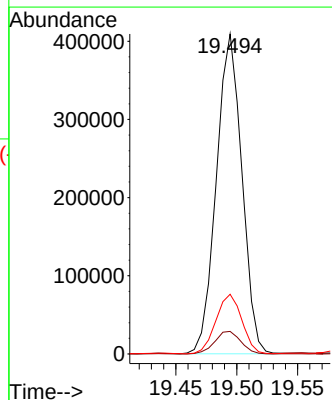
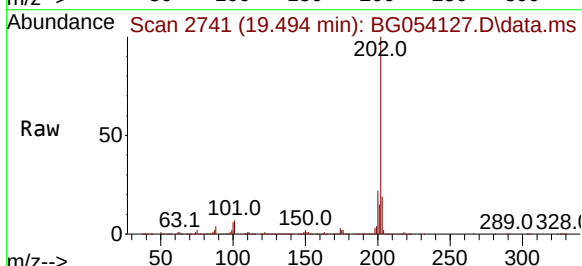
RT: 19.494 min Scan# 2741

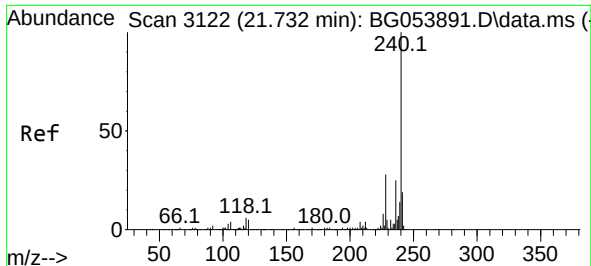
Delta R.T. 0.002 min

Lab File: BG054127.D

Acq: 28 Jun 2022 21:28

Tgt Ion:202	Resp:	596273
Ion Ratio	Lower	Upper
202	100	
101	7.1	0.0 26.9
203	18.7	0.0 37.2

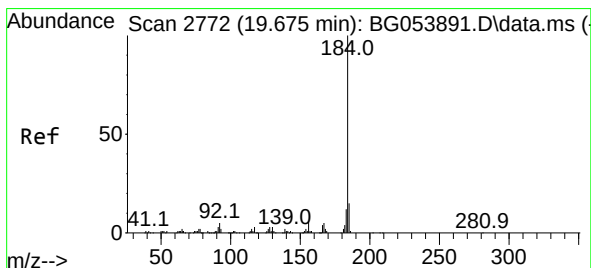
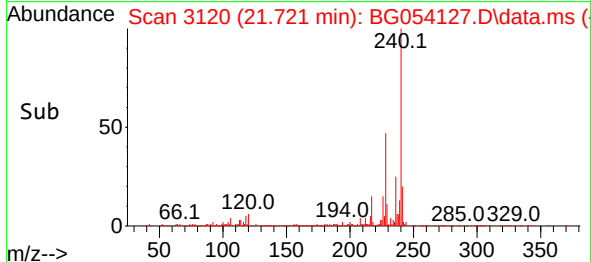
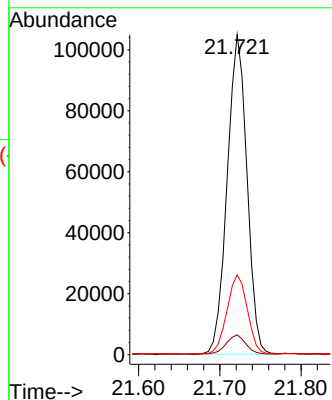
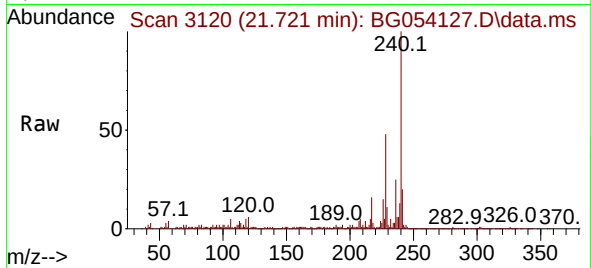




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

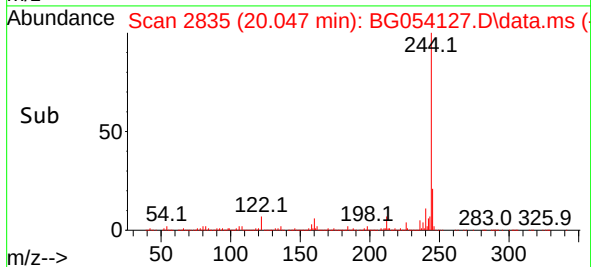
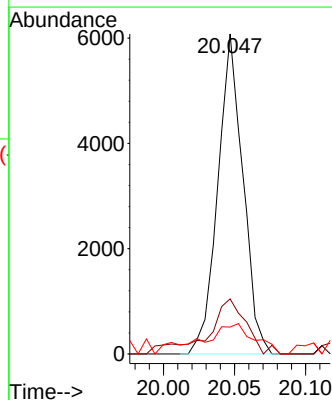
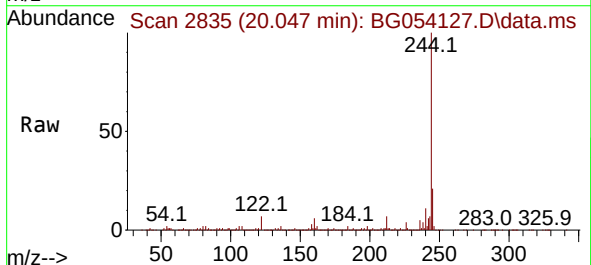
Instrument :
BNA_G
ClientSampleId :

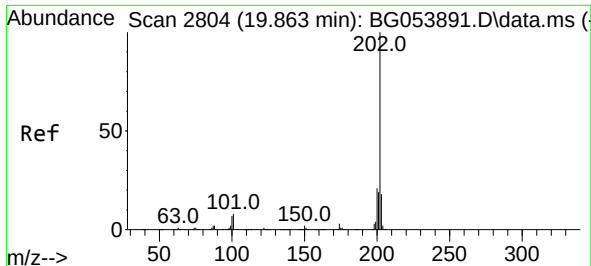
Tgt Ion:240 Resp: 176968
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 25.0 20.2 30.4



#77
Benzidine
Concen: 2.037 ng
RT: 20.047 min Scan# 2835
Delta R.T. 0.384 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:184 Resp: 7467
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.6
183 8.4 8.9 13.3#

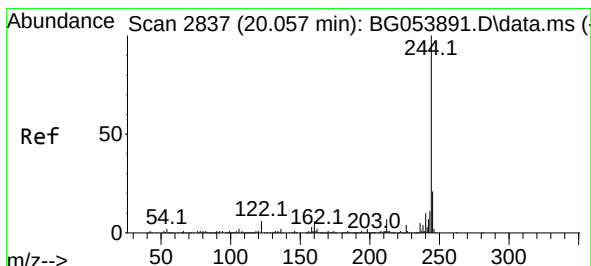
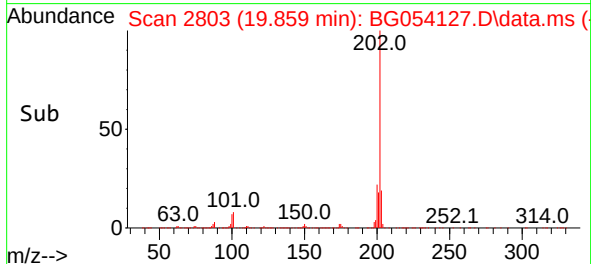
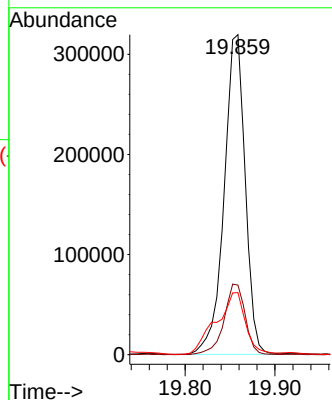
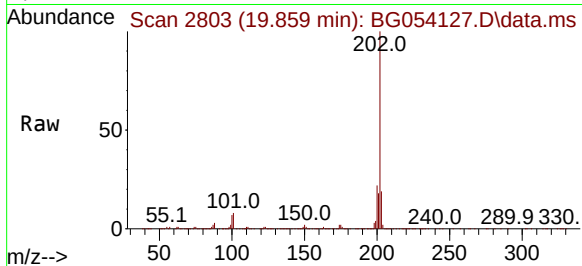




#78
 Pyrene
 Concen: 48.678 ng
 RT: 19.859 min Scan# 21
 Delta R.T. 0.008 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

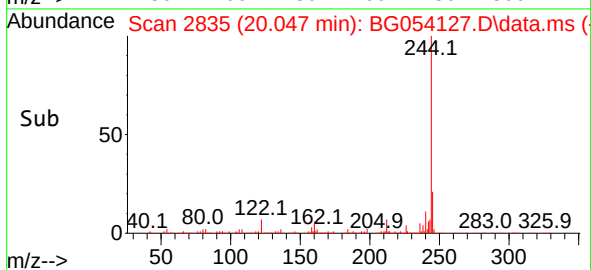
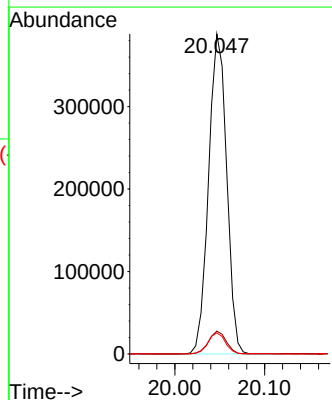
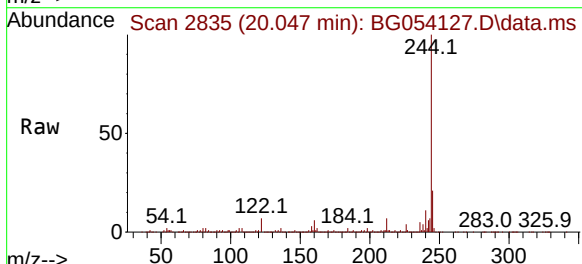
Instrument :
 BNA_G
 ClientSampleId :

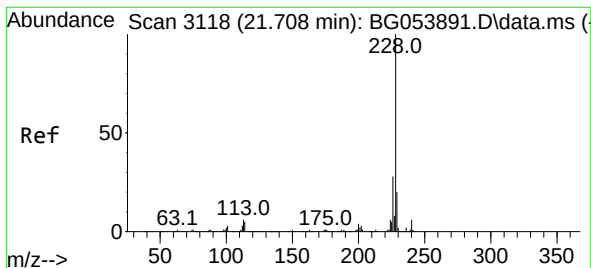
Tgt Ion:202 Resp: 520294
 Ion Ratio Lower Upper
 202 100
 200 21.8 16.6 24.8
 203 19.4 14.6 21.8



#79
 Terphenyl-d14
 Concen: 61.688 ng
 RT: 20.047 min Scan# 2835
 Delta R.T. 0.002 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

Tgt Ion:244 Resp: 542023
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 6.6 5.0 7.4





#81

Benzo(a)anthracene

Concen: 32.640 ng

RT: 21.698 min Scan# 3116

Delta R.T. 0.002 min

Lab File: BG054127.D

Acq: 28 Jun 2022 21:28

Instrument :

BNA_G

ClientSampleId :

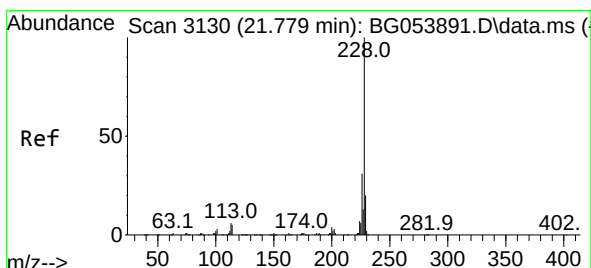
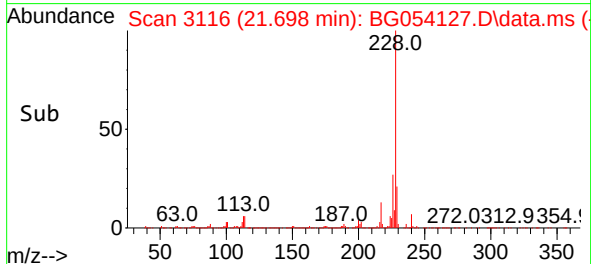
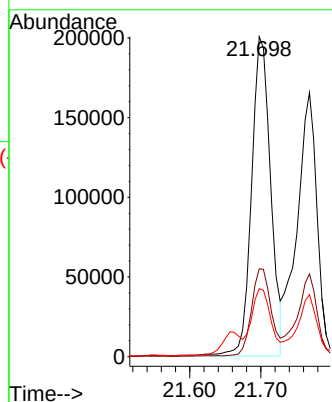
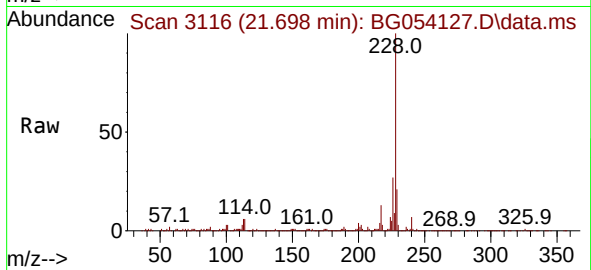
Tgt Ion:228 Resp: 374006

Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

229 21.3 16.2 24.2



#83

Chrysene

Concen: 34.243 ng

RT: 21.698 min Scan# 3116

Delta R.T. -0.062 min

Lab File: BG054127.D

Acq: 28 Jun 2022 21:28

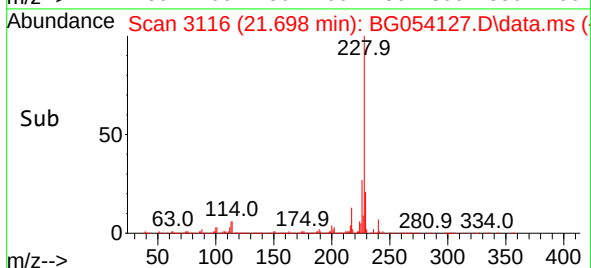
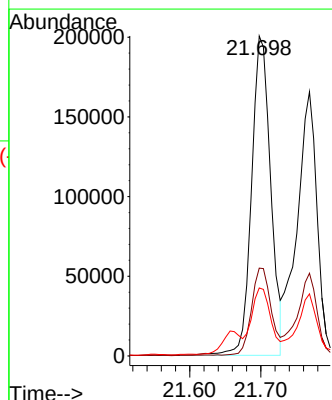
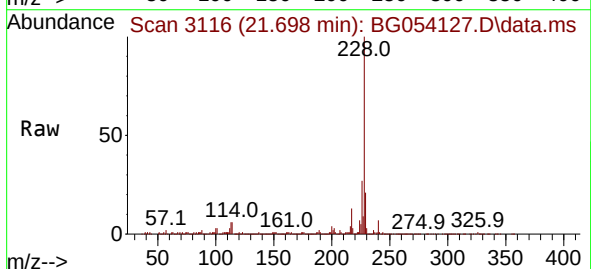
Tgt Ion:228 Resp: 374006

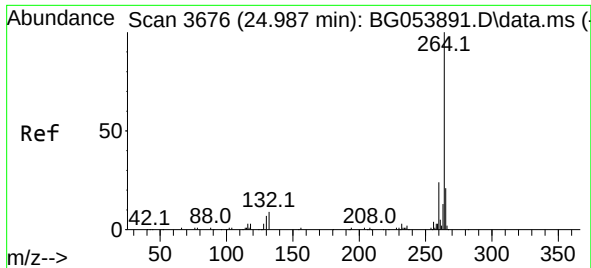
Ion Ratio Lower Upper

228 100

226 27.5 23.4 35.2

229 21.3 15.5 23.3

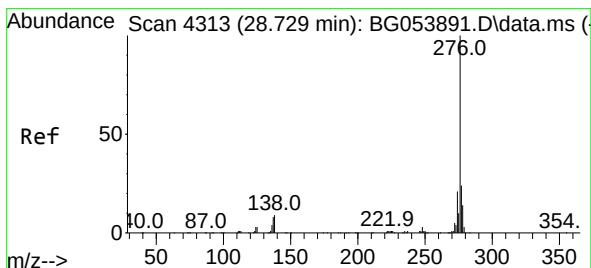
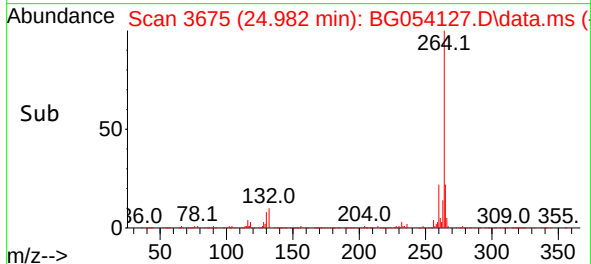
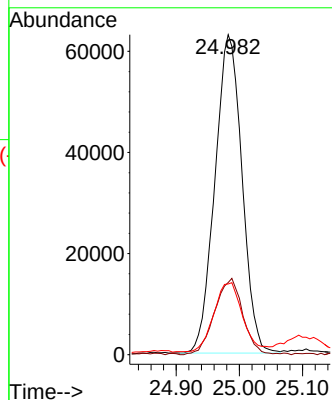
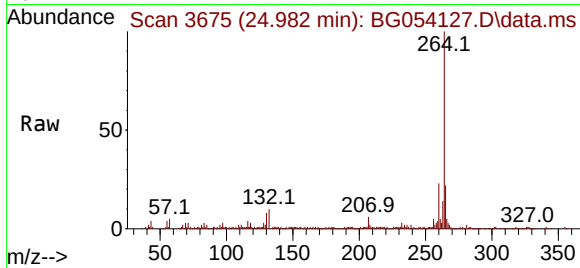




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.982 min Scan# 30
 Delta R.T. 0.020 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

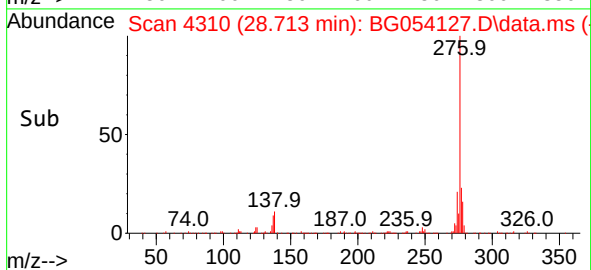
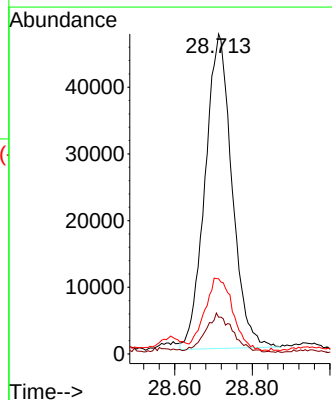
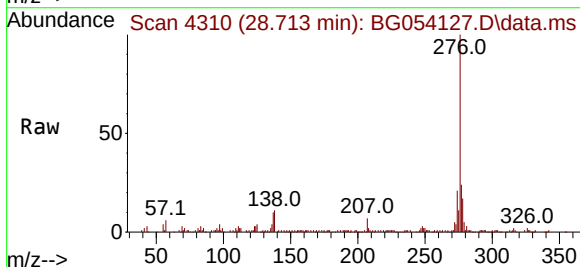
Instrument :
 BNA_G
 ClientSampleId :

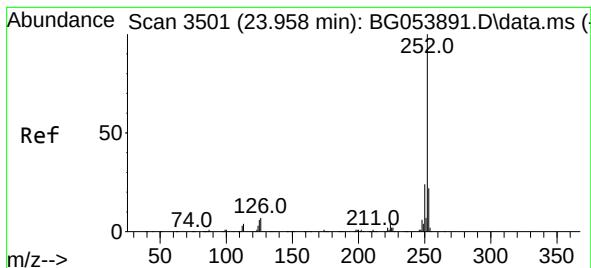
Tgt Ion:264 Resp: 187366
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.6
 265 22.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.076 ng
 RT: 28.713 min Scan# 4310
 Delta R.T. 0.026 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

Tgt Ion:276 Resp: 227312
 Ion Ratio Lower Upper
 276 100
 138 12.3 5.0 7.4#
 277 23.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 45.055 ng

RT: 23.954 min Scan# 3500

Delta R.T. 0.020 min

Lab File: BG054127.D

Acq: 28 Jun 2022 21:28

Instrument :

BNA_G

ClientSampleId :

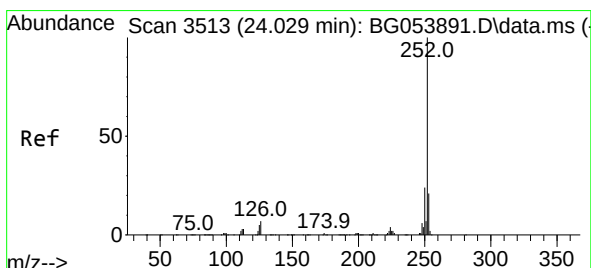
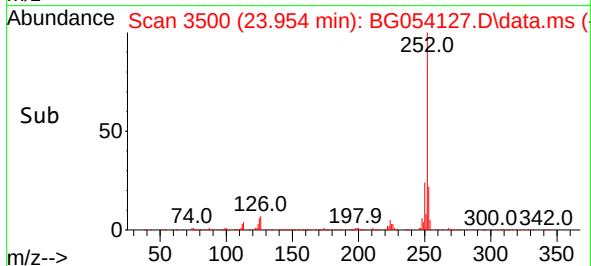
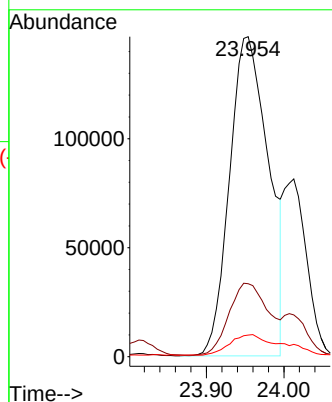
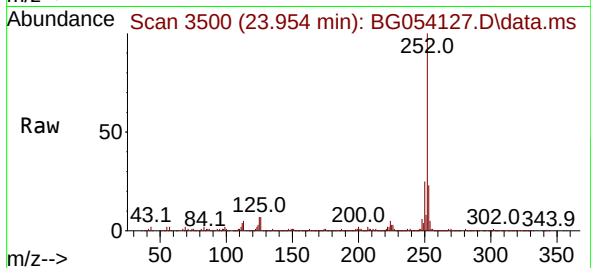
Tgt Ion:252 Resp: 513279

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 6.7 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 45.506 ng

RT: 23.954 min Scan# 3500

Delta R.T. -0.051 min

Lab File: BG054127.D

Acq: 28 Jun 2022 21:28

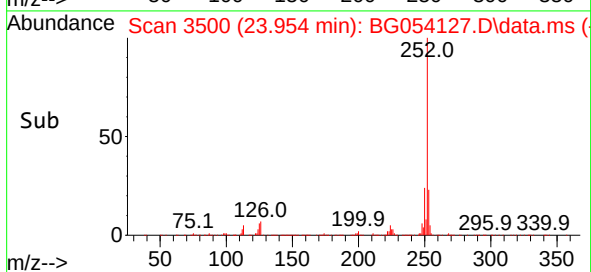
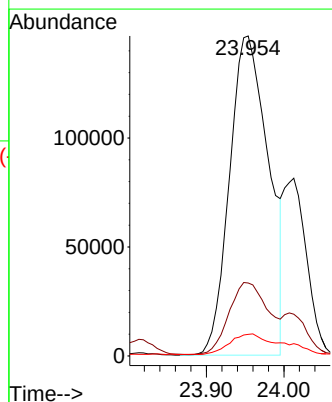
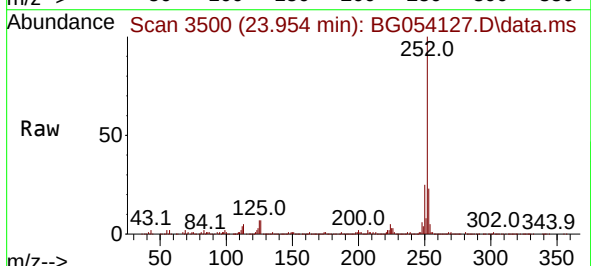
Tgt Ion:252 Resp: 513279

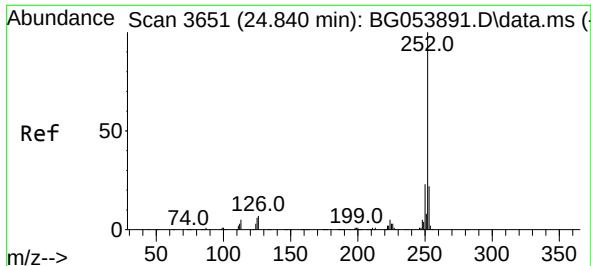
Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 6.7 4.8 7.2

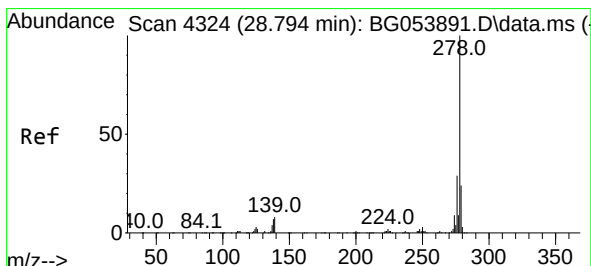
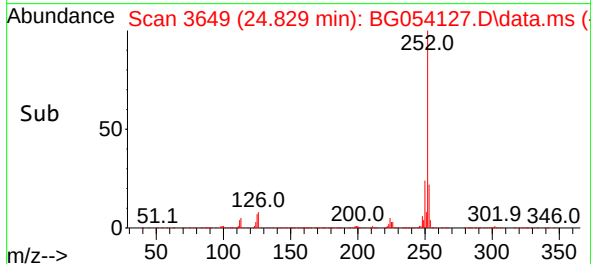
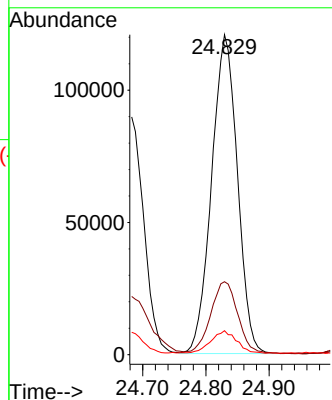
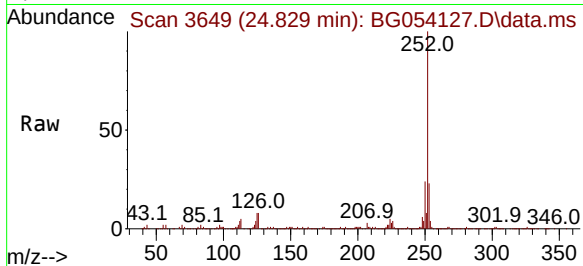




#90
Benzo(a)pyrene
Concen: 35.558 ng
RT: 24.829 min Scan# 30
Delta R.T. 0.014 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

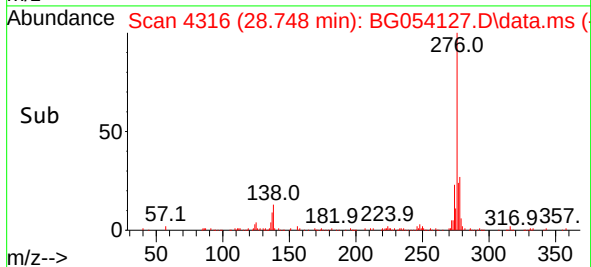
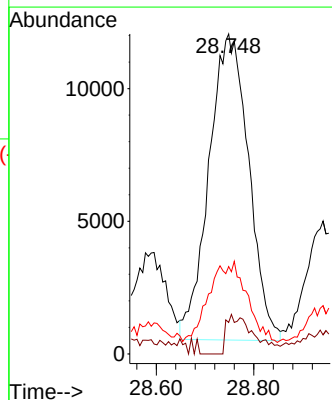
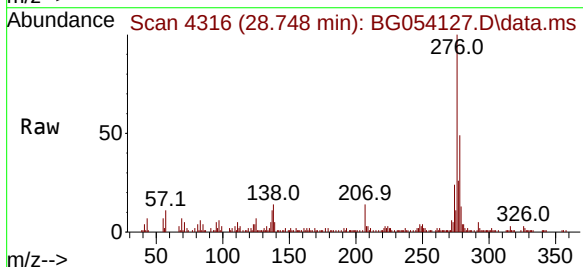
Instrument :
BNA_G
ClientSampleId :

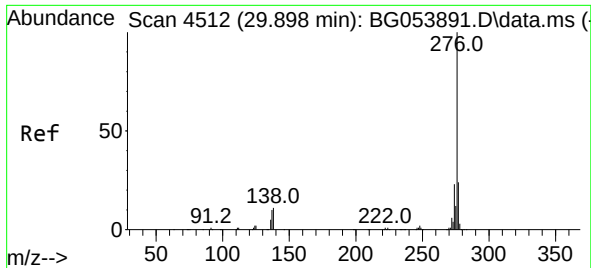
Tgt Ion:252 Resp: 341783
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 7.5 4.3 6.5#



#91
Dibenzo(a,h)anthracene
Concen: 5.573 ng
RT: 28.748 min Scan# 4316
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

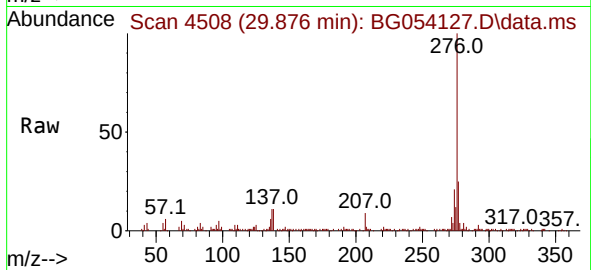
Tgt Ion:278 Resp: 65160
Ion Ratio Lower Upper
278 100
139 9.9 7.2 10.8
279 27.3 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 18.641 ng
 RT: 29.876 min Scan# 4
 Delta R.T. 0.014 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:276 Resp: 215092

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.3	25.9
138	11.3	9.6	14.4

