

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054193.D
 Acq On : 1 Jul 2022 16:16
 Operator : CG/JU
 Sample : N3558-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11998

Quant Time: Jul 01 23:34:36 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)

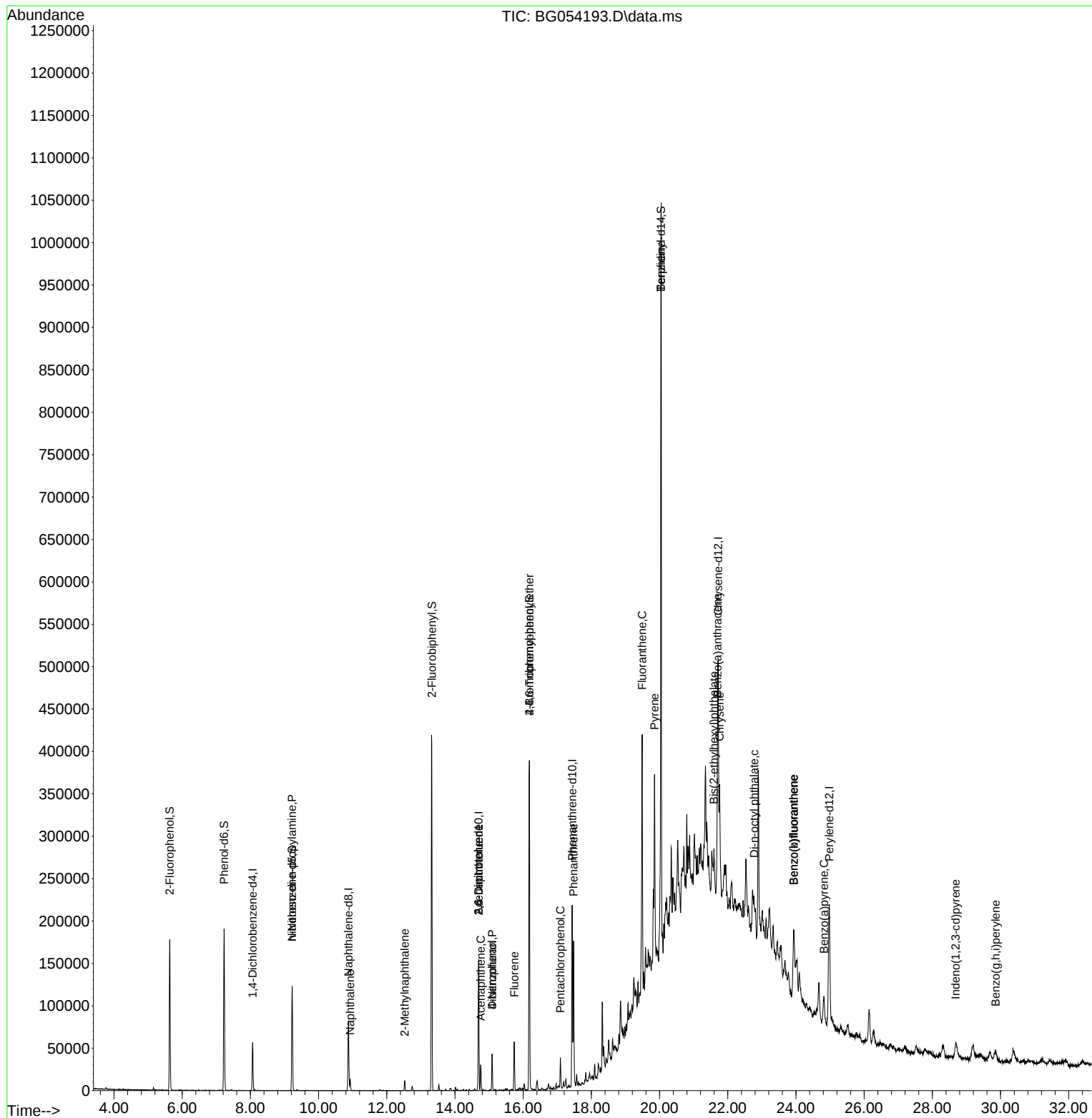
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.065	152	17654	20.000	ng	0.00
21) Naphthalene-d8	10.874	136	73671	20.000	ng	# 0.00
39) Acenaphthene-d10	14.693	164	60061	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	151032	20.000	ng	# 0.00
76) Chrysene-d12	21.714	240	157215	20.000	ng	0.00
86) Perylene-d12	24.975	264	168346	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.633	112	79755	86.374	ng	0.00
7) Phenol-d6	7.225	99	113892	90.923	ng	0.00
23) Nitrobenzene-d5	9.223	82	78124	59.593	ng	-0.01
42) 2,4,6-Tribromophenol	16.179	330	97801	101.350	ng	0.00
45) 2-Fluorobiphenyl	13.318	172	246248	59.619	ng	0.00
79) Terphenyl-d14	20.045	244	491322	62.943	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.223	70	11031	13.108	ng	# 86
31) Naphthalene	10.927	128	12540	3.372	ng	97
37) 2-Methylnaphthalene	12.525	142	6985	2.538	ng	89
51) 2,6-Dinitrotoluene	14.693	165	8632	9.340	ng	# 16
52) Acenaphthene	14.758	154	12856	3.831	ng	97
55) Dibenzofuran	15.087	168	30107	5.568	ng	94
56) 4-Nitrophenol	15.087	139	10153	15.972	ng	# 1
57) 2,4-Dinitrotoluene	14.693	165	8632	6.614	ng	# 21
58) Fluorene	15.739	166	29588	6.665	ng	98
67) 4-Bromophenyl-phenylether	16.179	248	5980	3.170	ng	# 1
70) Pentachlorophenol	17.090	266	6408	6.393	ng	# 84
71) Phenanthrene	17.478	178	120159	15.485	ng	98
75) Fluoranthene	19.487	202	196465	19.287	ng	95
77) Benzidine	20.040	184	7066	2.170	ng	# 90
78) Pyrene	19.852	202	152190	16.028	ng	99
81) Benzo(a)anthracene	21.696	228	68613	6.740	ng	97
83) Chrysene	21.761	228	94825	9.773	ng	99
84) Bis(2-ethylhexyl)phtha...	21.591	149	9512	2.185	ng	# 85
85) Di-n-octyl phthalate	22.772	149	25278	3.379	ng	# 74
87) Indeno(1,2,3-cd)pyrene	28.682	276	34057	2.681	ng	# 97
88) Benzo(b)fluoranthene	23.935	252	110659	10.811	ng	# 97
89) Benzo(k)fluoranthene	23.935	252	110659	10.919	ng	# 96
90) Benzo(a)pyrene	24.822	252	43153	4.997	ng	# 92
92) Benzo(g,h,i)perylene	29.852	276	29329	2.829	ng	99

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

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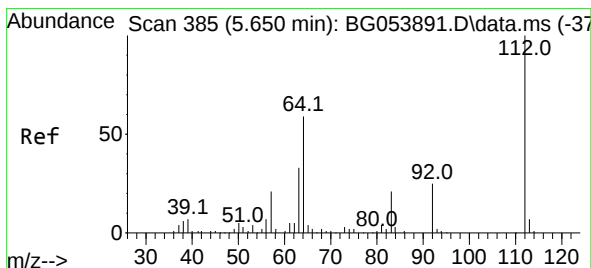
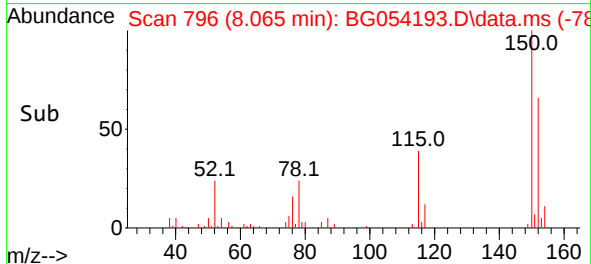
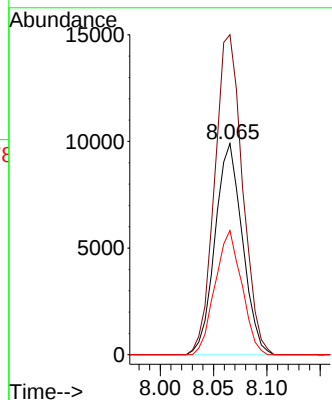
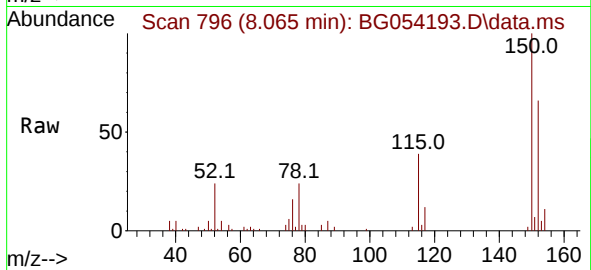




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.065 min Scan# 79
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

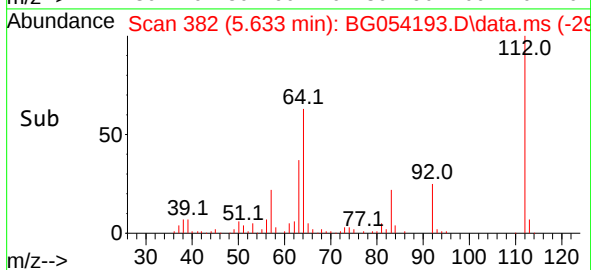
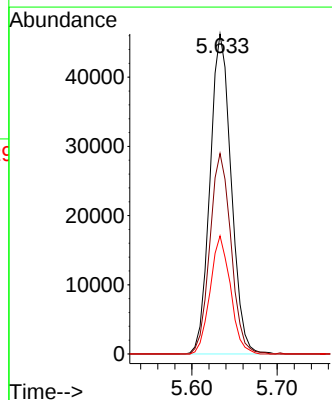
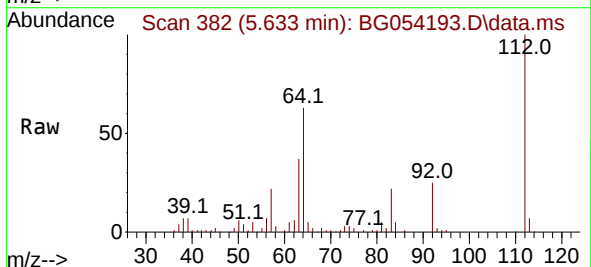
Instrument :
BNA_G
ClientSampleId :
72-11998

Tgt Ion:152 Resp: 17654
Ion Ratio Lower Upper
152 100
150 151.5 131.6 197.4
115 58.8 50.9 76.3



#5
2-Fluorophenol
Concen: 86.374 ng
RT: 5.633 min Scan# 382
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:112 Resp: 79755
Ion Ratio Lower Upper
112 100
64 62.6 55.1 82.7
63 36.9 30.4 45.6

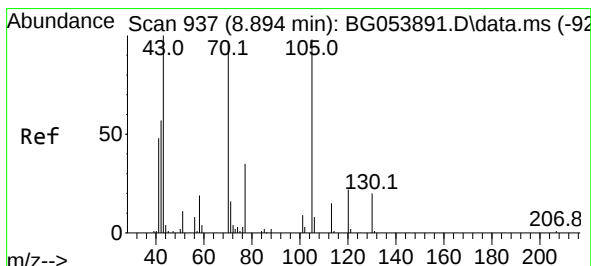
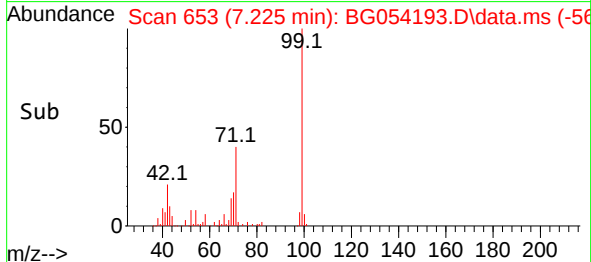
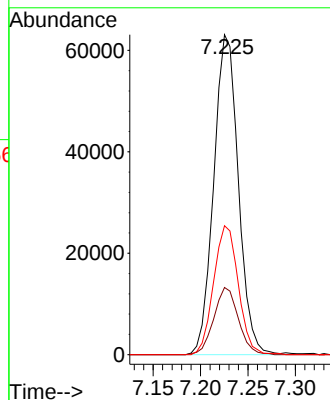
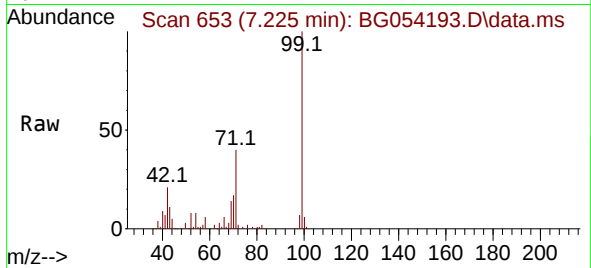




#7
Phenol-d6
Concen: 90.923 ng
RT: 7.225 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

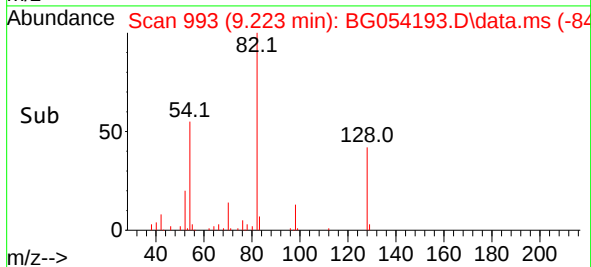
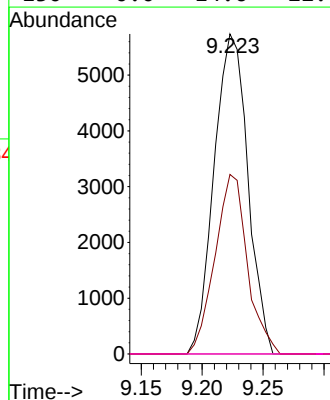
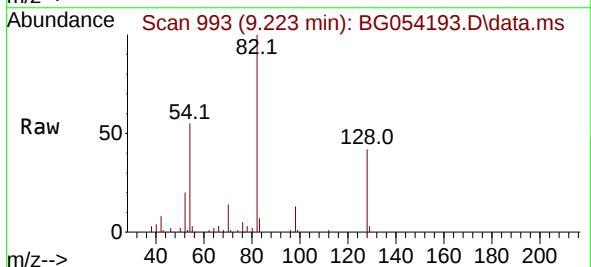
Instrument :
BNA_G
ClientSampleId :
72-11998

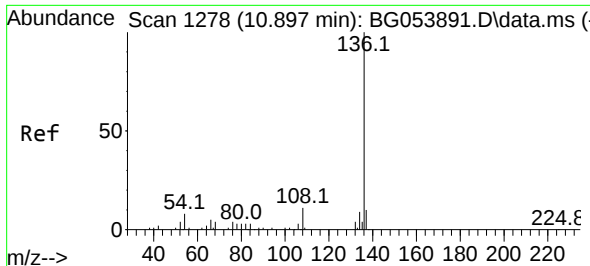
Tgt Ion: 99 Resp: 113892
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 40.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.108 ng
RT: 9.223 min Scan# 993
Delta R.T. 0.348 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion: 70 Resp: 11031
Ion Ratio Lower Upper
70 100
42 56.1 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

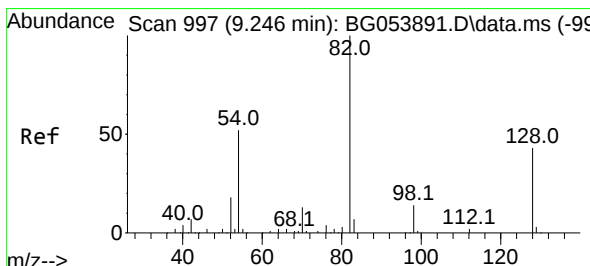
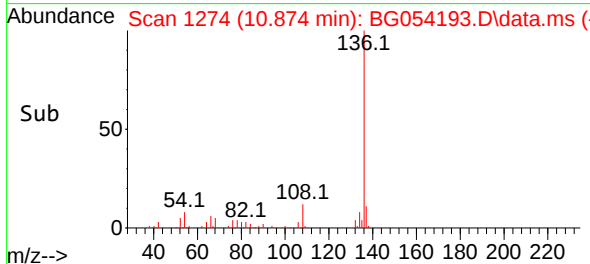
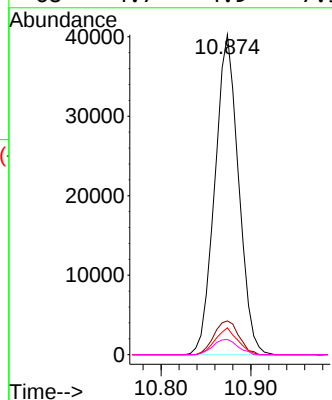
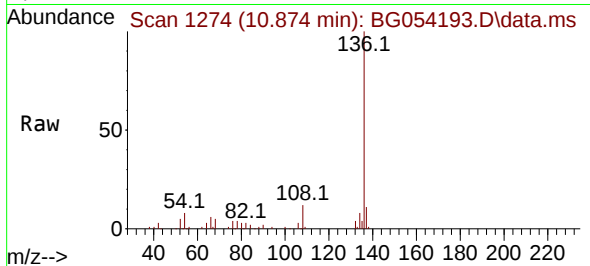




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.874 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

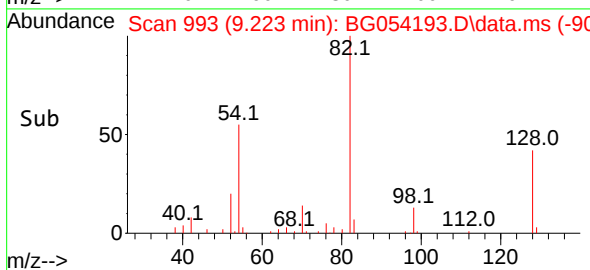
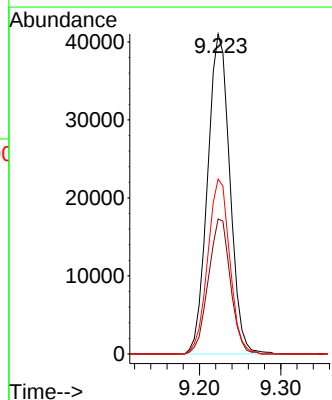
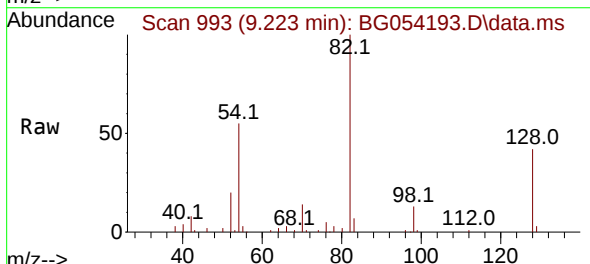
Instrument :
BNA_G
ClientSampleId :
72-11998

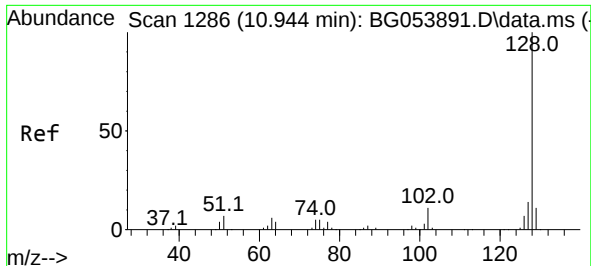
Tgt Ion:	136	Resp:	73671
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	8.4	7.4	11.2
68	4.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 59.593 ng
RT: 9.223 min Scan# 993
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

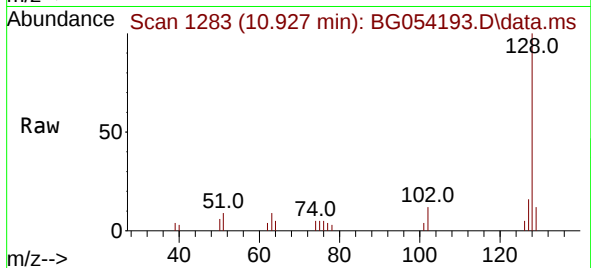
Tgt Ion:	82	Resp:	78124
Ion	Ratio	Lower	Upper
82	100		
128	42.2	27.9	41.9
54	54.7	41.2	61.8



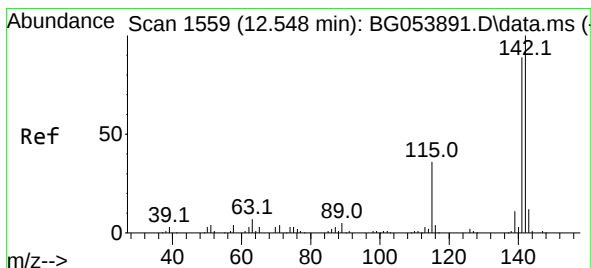
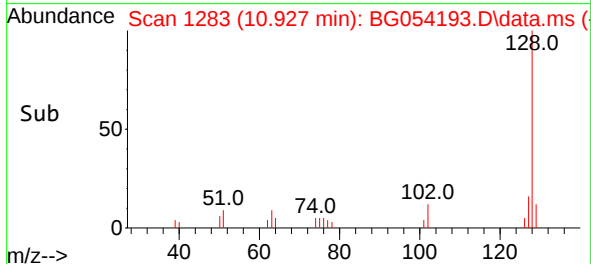
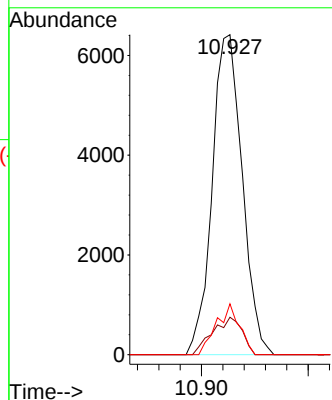


#31
Naphthalene
Concen: 3.372 ng
RT: 10.927 min Scan# 1283
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :
BNA_G
ClientSampleId :
72-11998

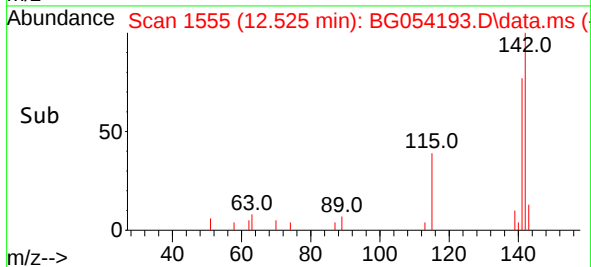
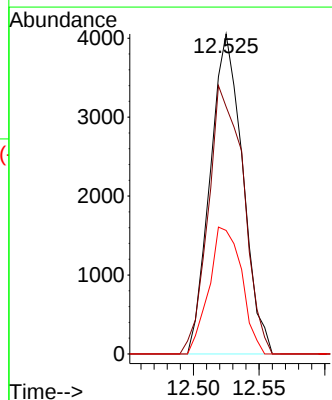
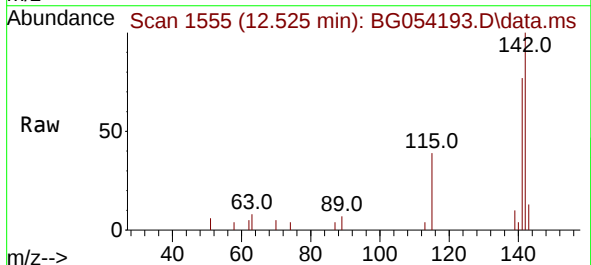


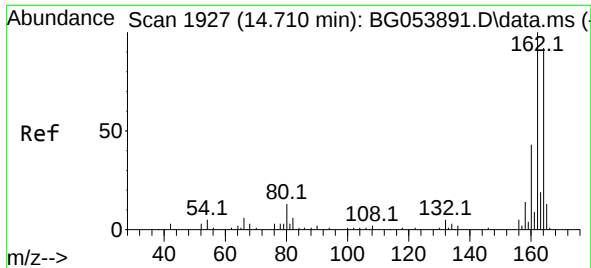
Tgt Ion:128 Resp: 12540
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 15.9 11.1 16.7



#37
2-Methylnaphthalene
Concen: 2.538 ng
RT: 12.525 min Scan# 1555
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:142 Resp: 6985
Ion Ratio Lower Upper
142 100
141 77.2 72.3 108.5
115 38.6 33.7 50.5

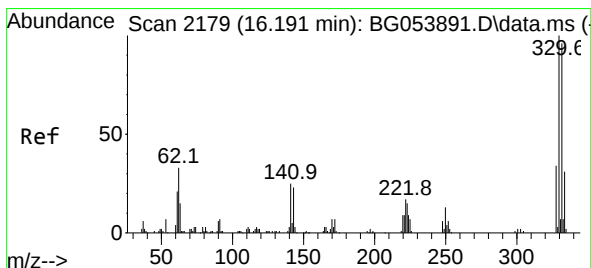
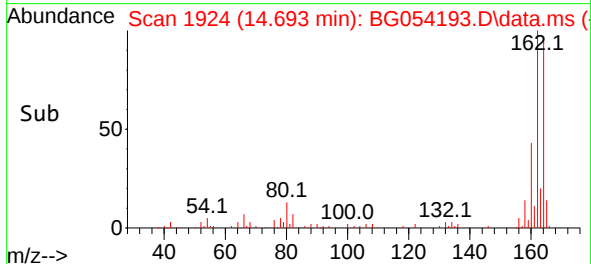
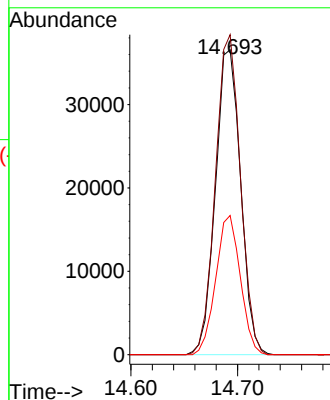
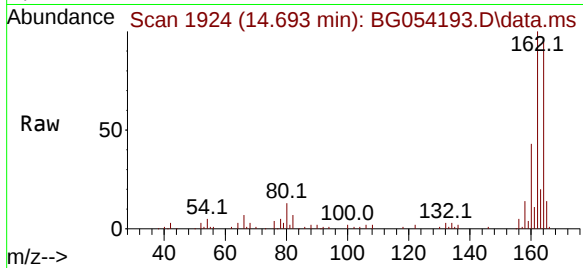




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

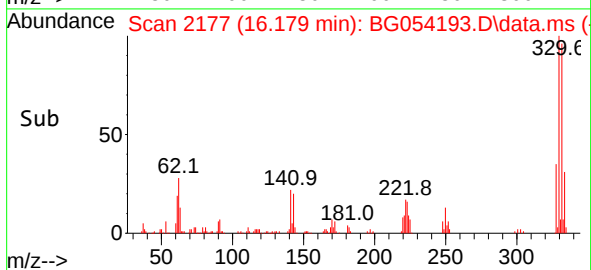
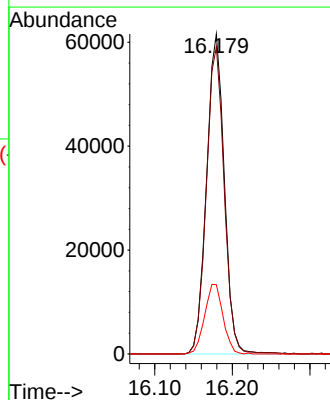
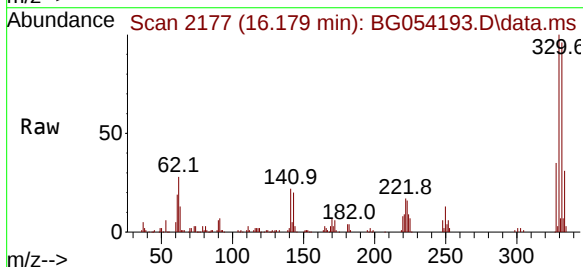
Instrument :
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ClientSampleId :
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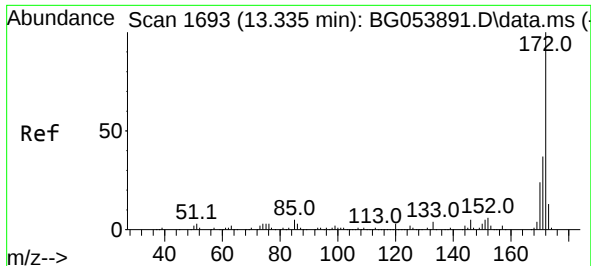
Tgt Ion:164 Resp: 60061
Ion Ratio Lower Upper
164 100
162 104.9 82.3 123.5
160 45.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 101.350 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:330 Resp: 97801
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 22.6 27.1 40.7#

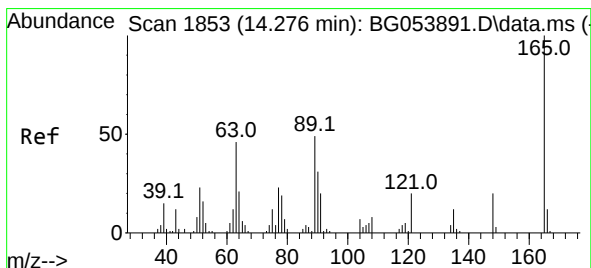
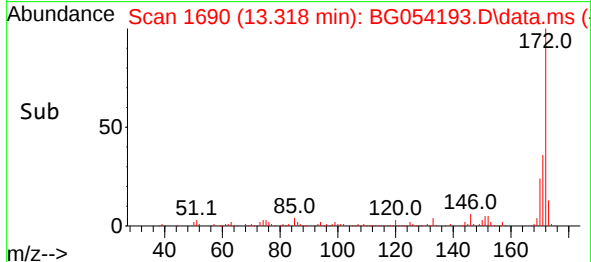
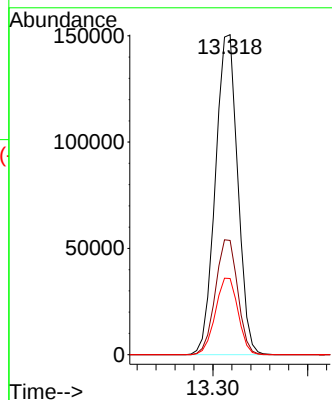
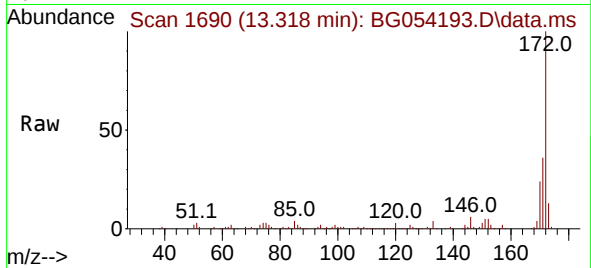




#45
2-Fluorobiphenyl
Concen: 59.619 ng
RT: 13.318 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

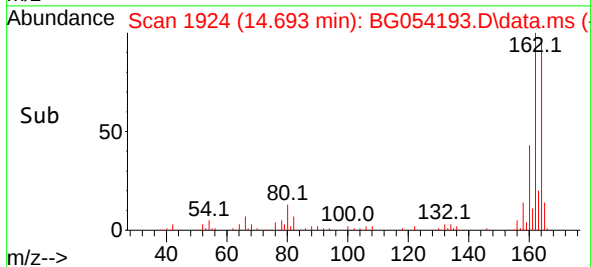
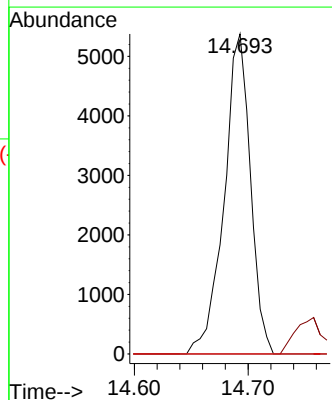
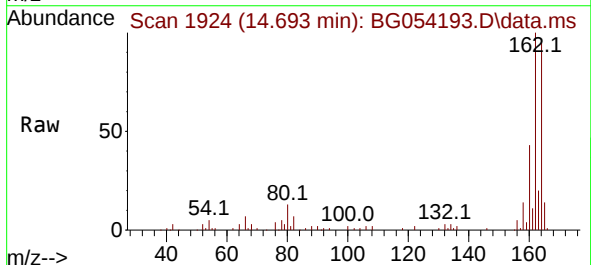
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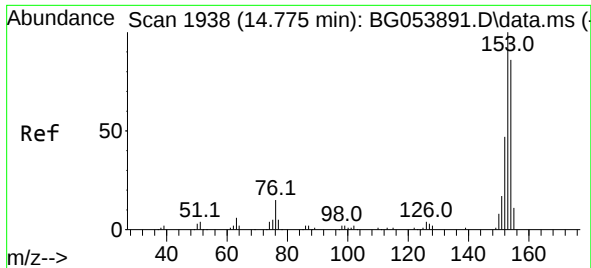
Tgt Ion:172 Resp: 246248
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.340 ng
RT: 14.693 min Scan# 1924
Delta R.T. 0.430 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:165 Resp: 8632
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

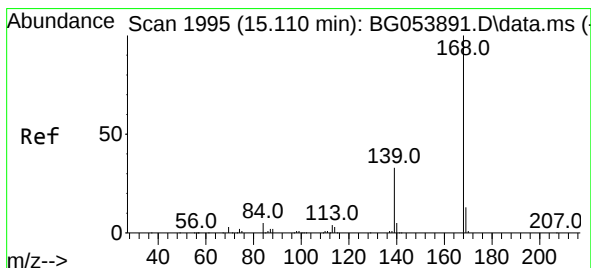
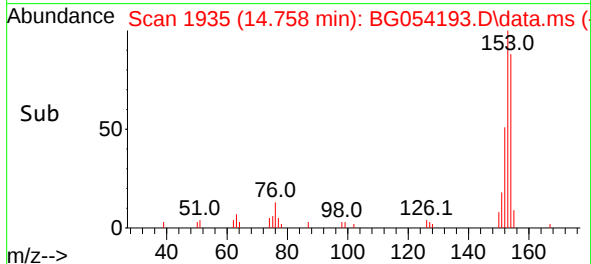
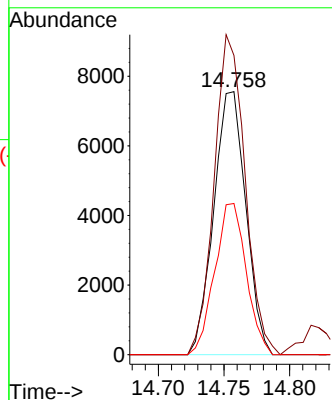
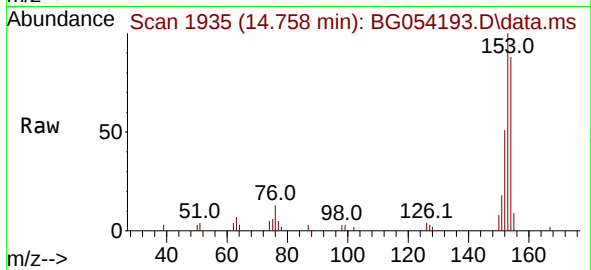




#52
Acenaphthene
Concen: 3.831 ng
RT: 14.758 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

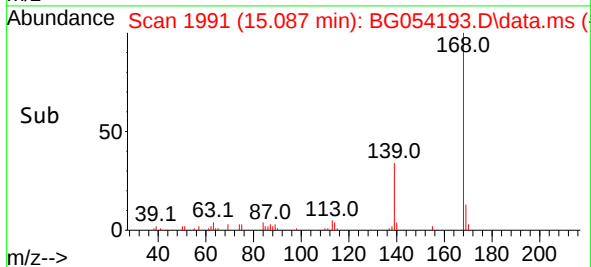
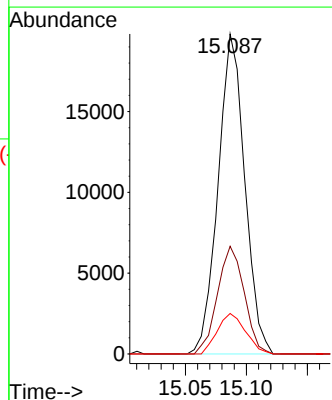
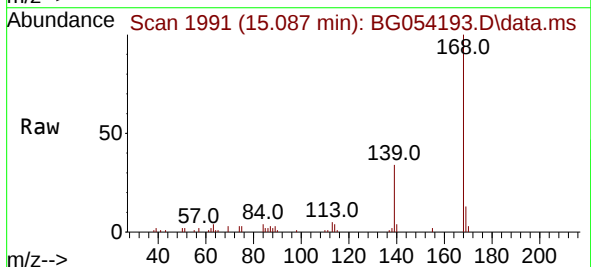
Instrument :
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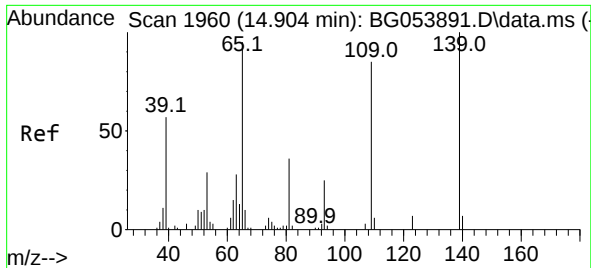
Tgt Ion:154 Resp: 12856
Ion Ratio Lower Upper
154 100
153 113.7 92.7 139.1
152 57.5 42.6 64.0



#55
Dibenzofuran
Concen: 5.568 ng
RT: 15.087 min Scan# 1991
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:168 Resp: 30107
Ion Ratio Lower Upper
168 100
139 33.6 30.5 45.7
169 12.6 10.3 15.5

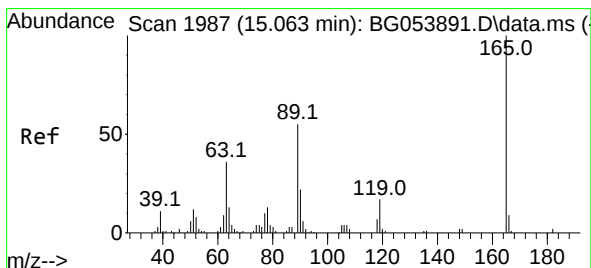
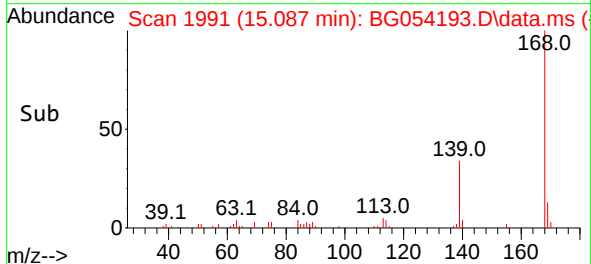
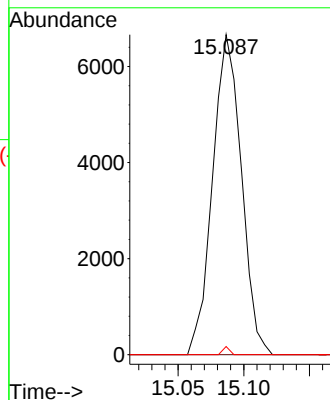
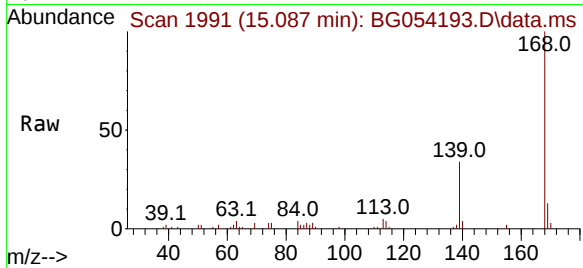




#56
4-Nitrophenol
Concen: 15.972 ng
RT: 15.087 min Scan# 1991
Delta R.T. 0.189 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

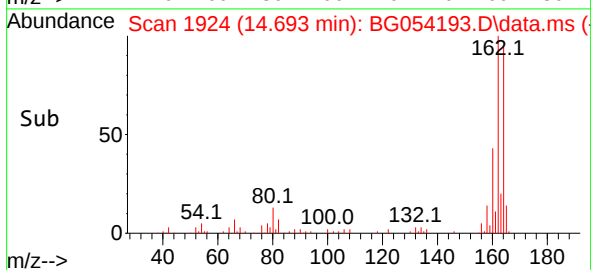
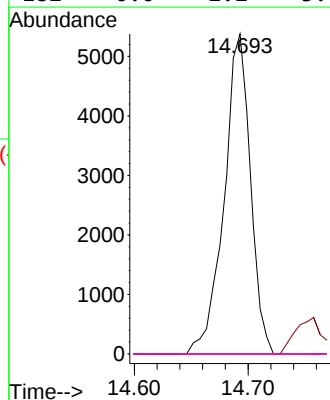
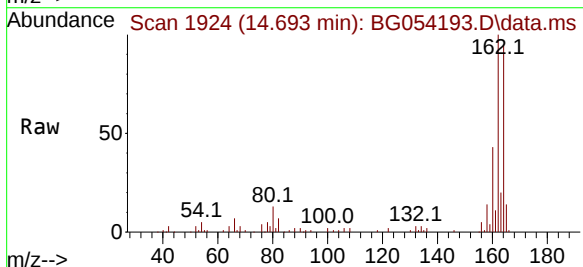
Instrument :
BNA_G
ClientSampleId :
72-11998

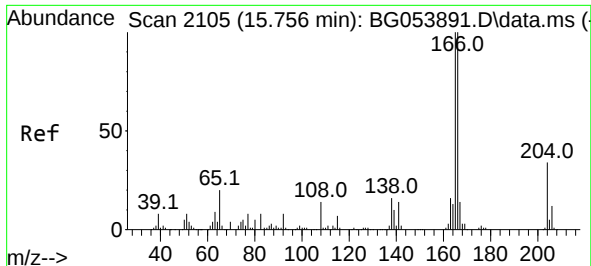
Tgt Ion:139 Resp: 10153
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 2.5 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 6.614 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.357 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:165 Resp: 8632
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#

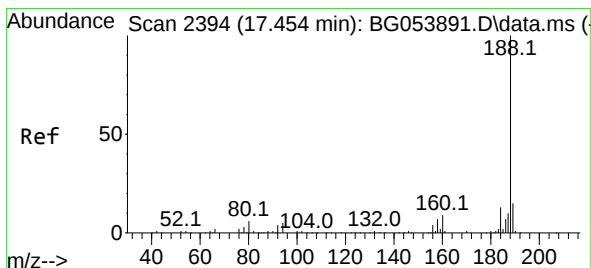
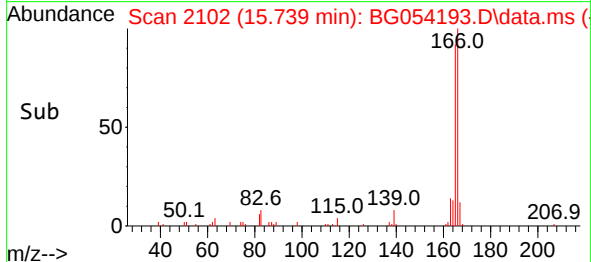
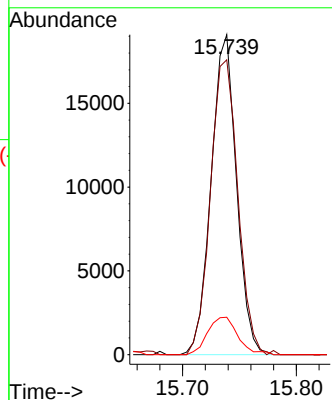
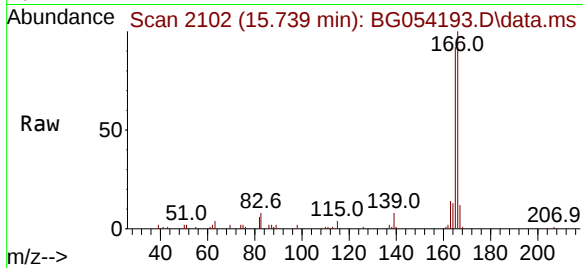




#58
Fluorene
Concen: 6.665 ng
RT: 15.739 min Scan# 2105
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

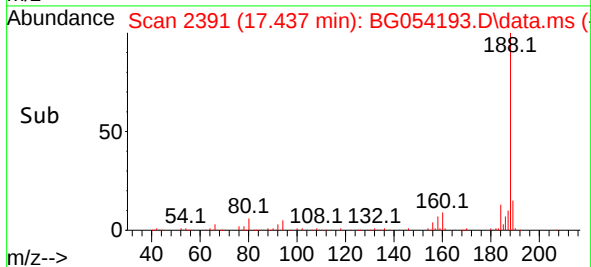
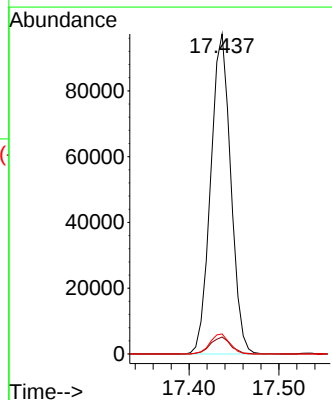
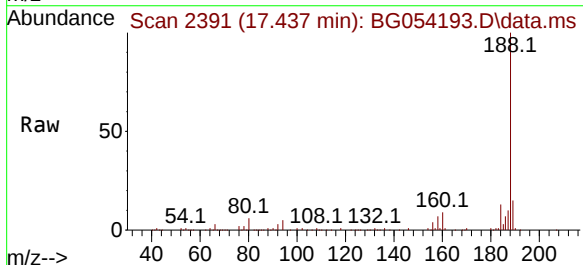
Instrument :
BNA_G
ClientSampleId :
72-11998

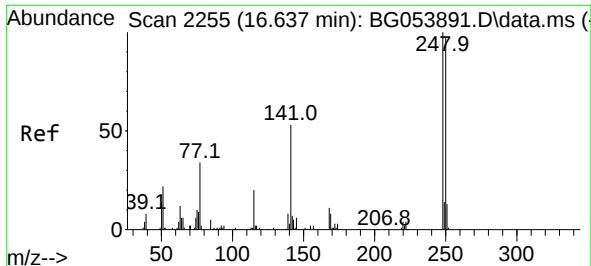
Tgt Ion:166 Resp: 29588
Ion Ratio Lower Upper
166 100
165 92.2 75.0 112.6
167 11.7 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:188 Resp: 151032
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 6.2 6.8 10.2#





#67

4-Bromophenyl-phenylether

Concen: 3.170 ng

RT: 16.179 min Scan# 2177

Delta R.T. -0.446 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

Instrument :

BNA_G

ClientSampleId :

72-11998

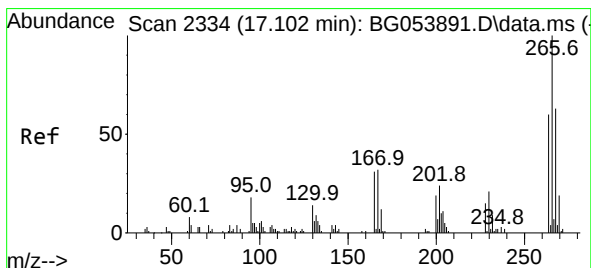
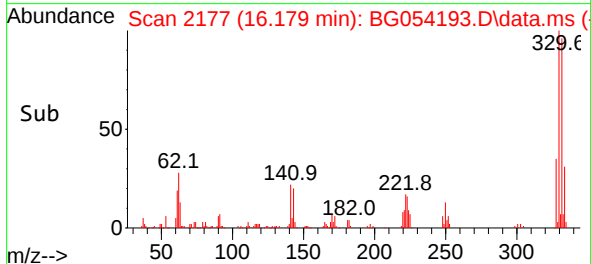
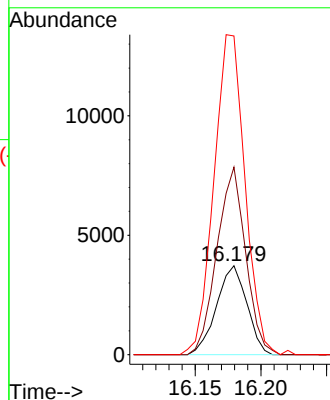
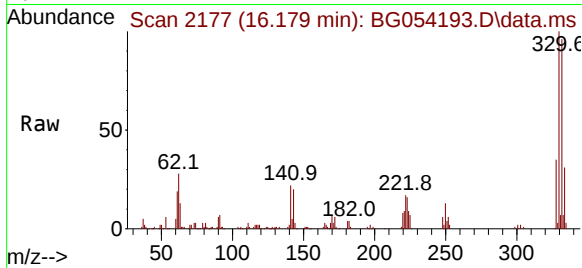
Tgt Ion:248 Resp: 5980

Ion Ratio Lower Upper

248 100

250 167.2 75.2 112.8#

141 284.3 50.0 75.0#



#70

Pentachlorophenol

Concen: 6.393 ng

RT: 17.090 min Scan# 2332

Delta R.T. -0.005 min

Lab File: BG054193.D

Acq: 1 Jul 2022 16:16

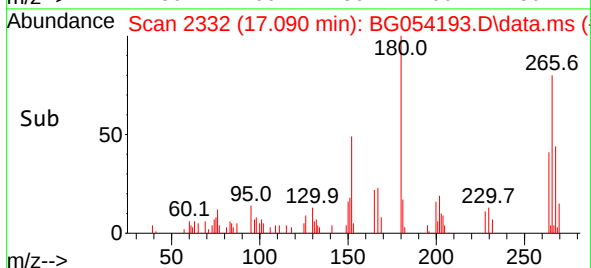
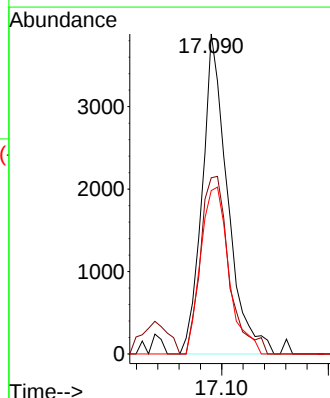
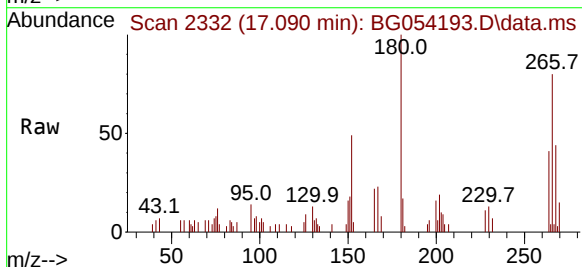
Tgt Ion:266 Resp: 6408

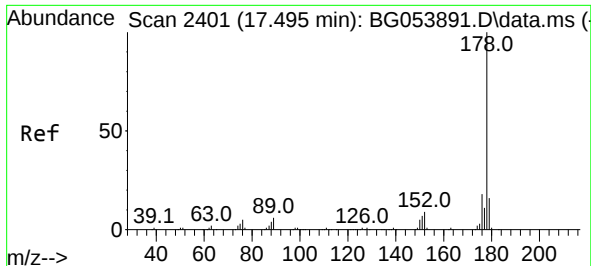
Ion Ratio Lower Upper

266 100

268 59.3 56.2 84.2

264 51.1 53.0 79.4#

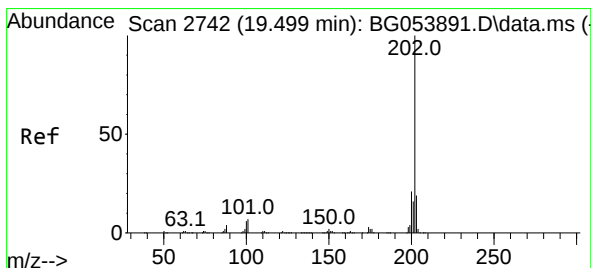
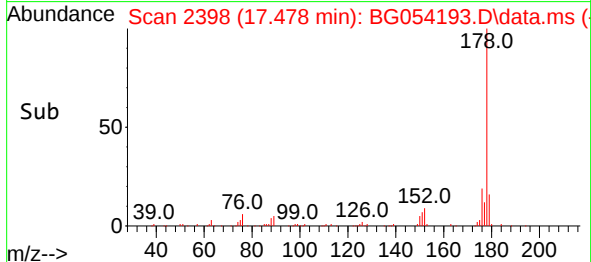
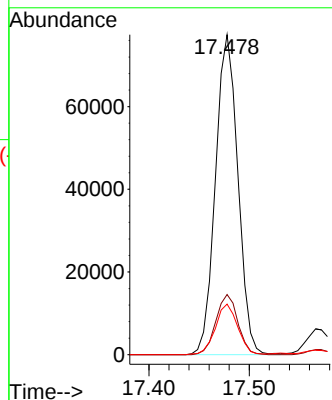
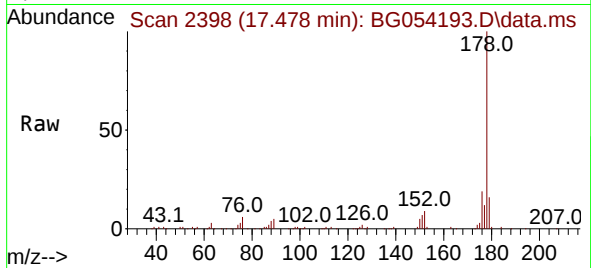




#71
Phenanthrene
Concen: 15.485 ng
RT: 17.478 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

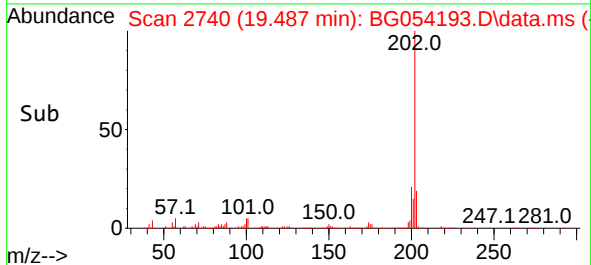
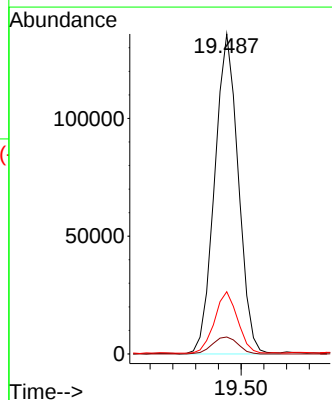
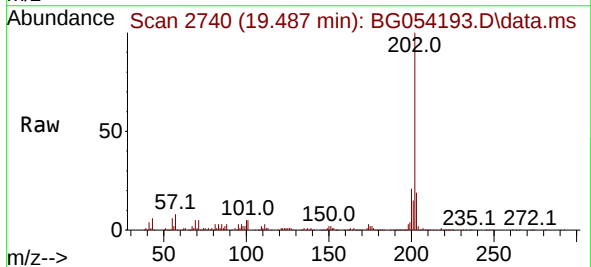
Instrument :
BNA_G
ClientSampleId :
72-11998

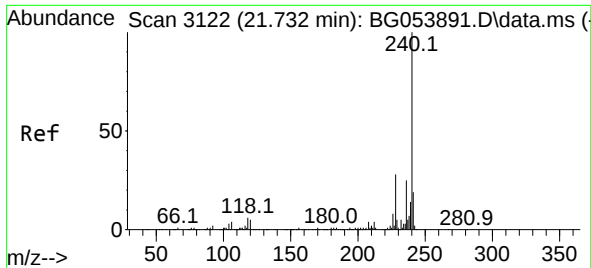
Tgt Ion:178 Resp: 120159
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.8 12.1 18.1



#75
Fluoranthene
Concen: 19.287 ng
RT: 19.487 min Scan# 2740
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:202 Resp: 196465
Ion Ratio Lower Upper
202 100
101 5.3 0.0 26.9
203 19.5 0.0 37.2

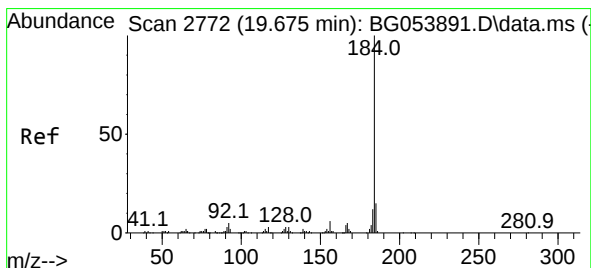
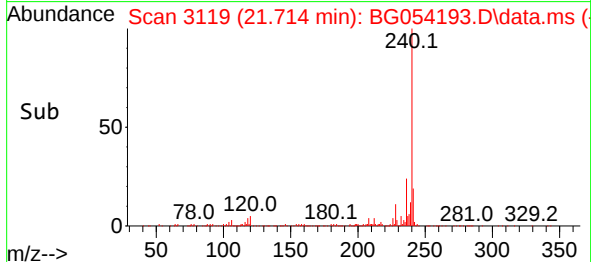
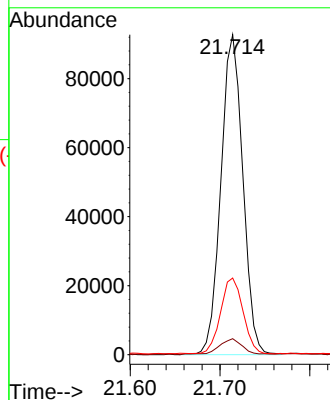
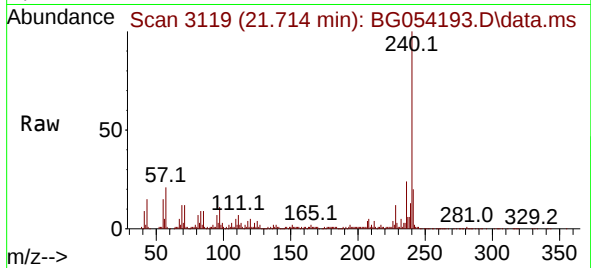




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

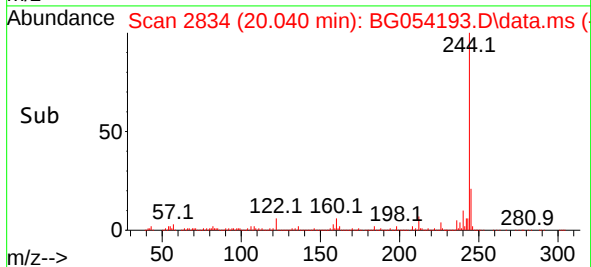
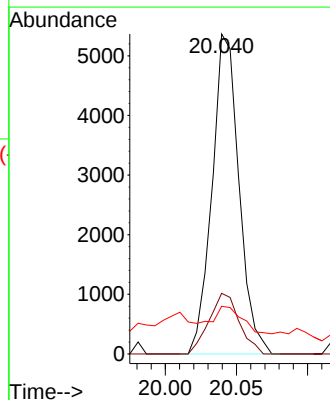
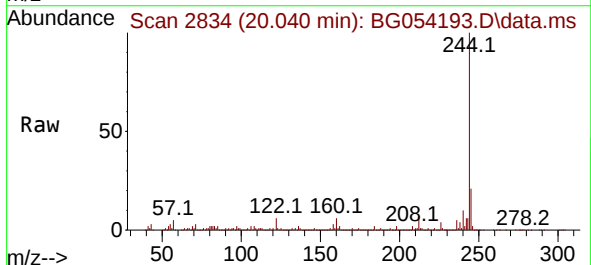
Instrument :
BNA_G
ClientSampleId :
72-11998

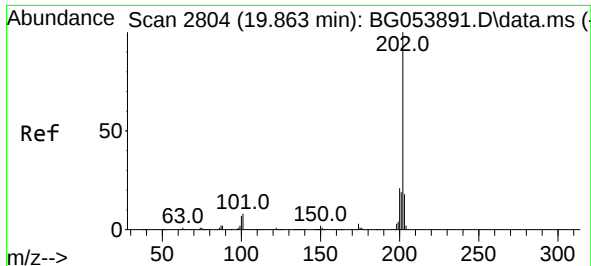
Tgt Ion:240 Resp: 157215
Ion Ratio Lower Upper
240 100
120 5.0 4.6 7.0
236 23.9 20.2 30.4



#77
Benzidine
Concen: 2.170 ng
RT: 20.040 min Scan# 2834
Delta R.T. 0.377 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:184 Resp: 7066
Ion Ratio Lower Upper
184 100
185 18.9 11.8 17.6#
183 14.9 8.9 13.3#

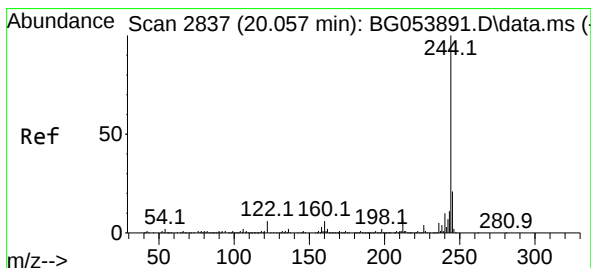
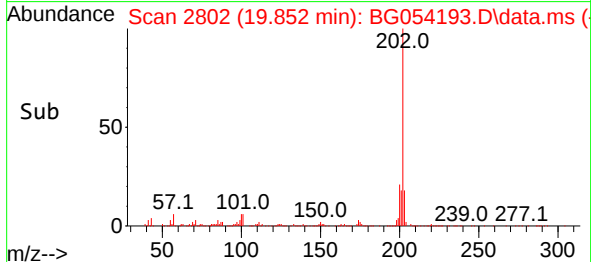
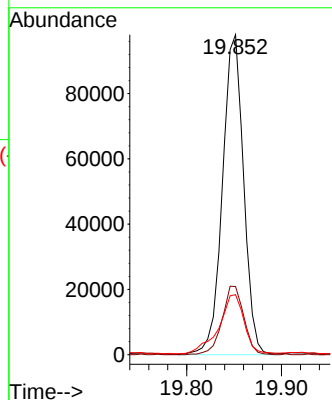
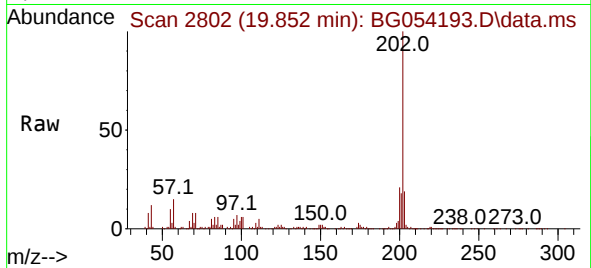




#78
 Pyrene
 Concen: 16.028 ng
 RT: 19.852 min Scan# 2802
 Delta R.T. 0.001 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

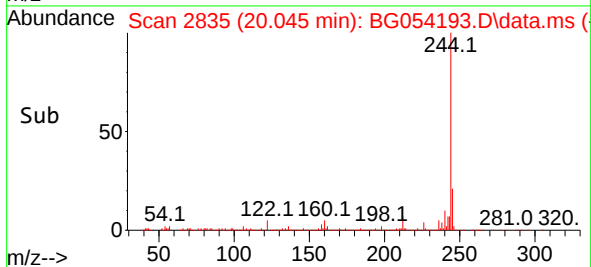
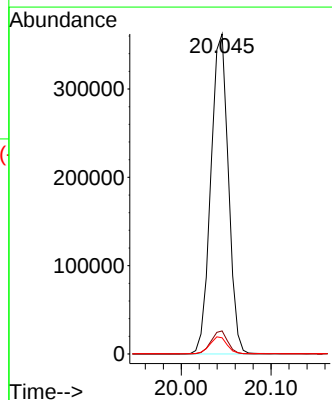
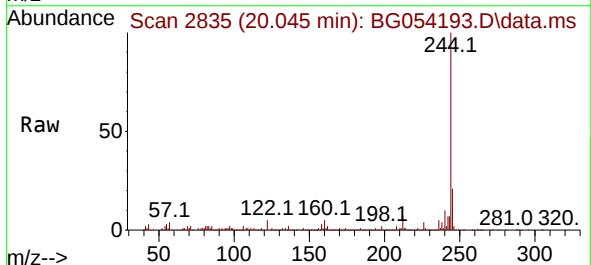
Instrument :
 BNA_G
 ClientSampleId :
 72-11998

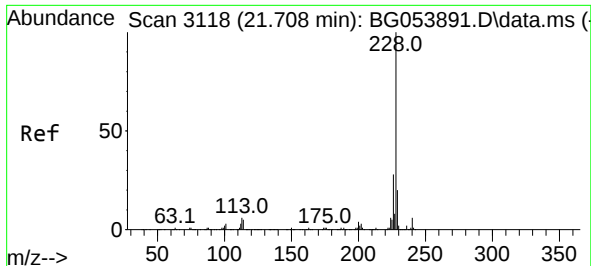
Tgt Ion:202 Resp: 152190
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 24.8
 203 18.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 62.943 ng
 RT: 20.045 min Scan# 2835
 Delta R.T. 0.001 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

Tgt Ion:244 Resp: 491322
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 5.0 5.0 7.4

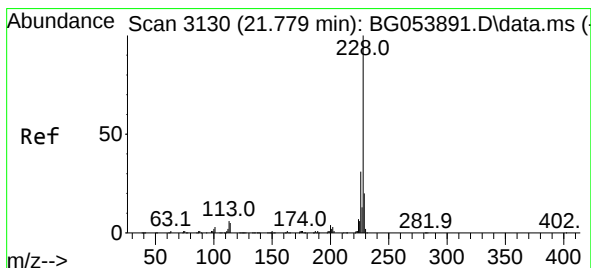
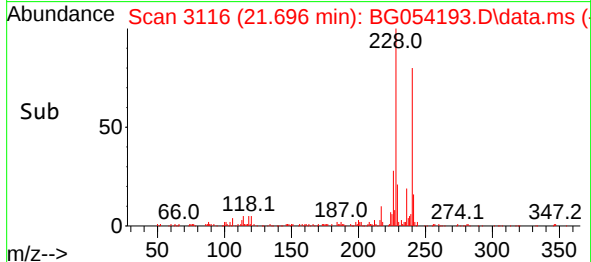
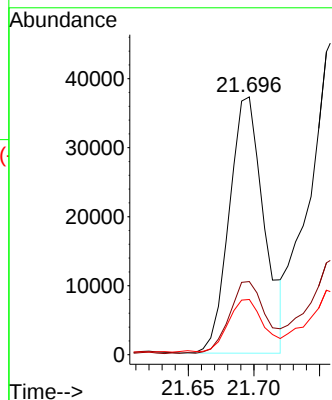
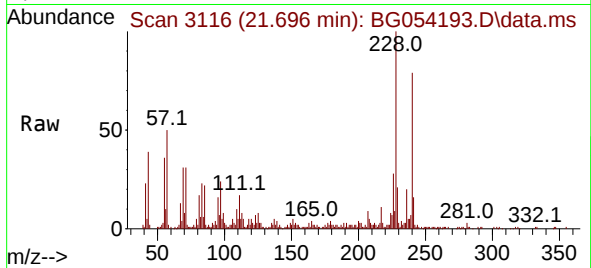




#81
Benzo(a)anthracene
Concen: 6.740 ng
RT: 21.696 min Scan# 3118
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

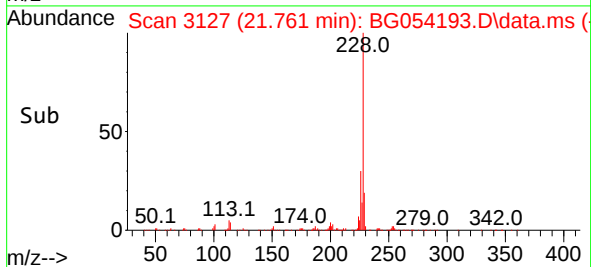
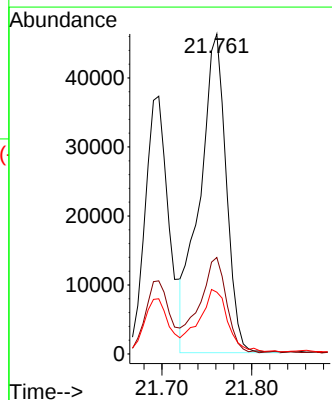
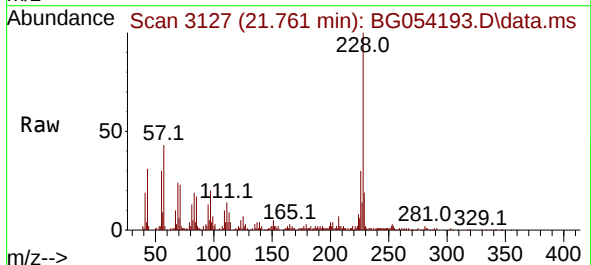
Instrument :
BNA_G
ClientSampleId :
72-11998

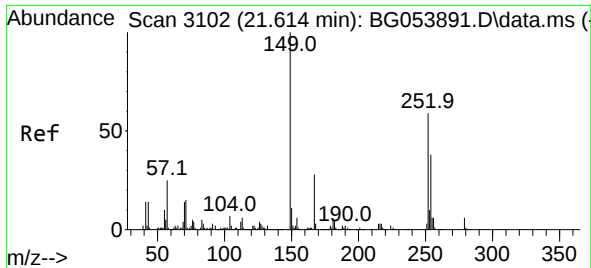
Tgt Ion:228 Resp: 68613
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.4 16.2 24.2



#83
Chrysene
Concen: 9.773 ng
RT: 21.761 min Scan# 3127
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:228 Resp: 94825
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 19.3 15.5 23.3

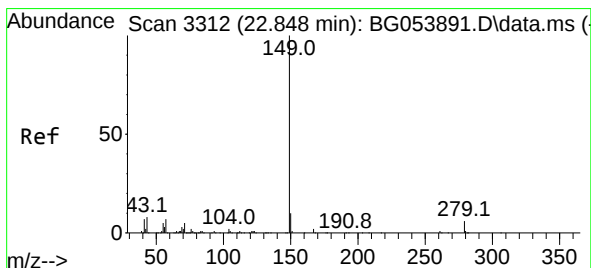
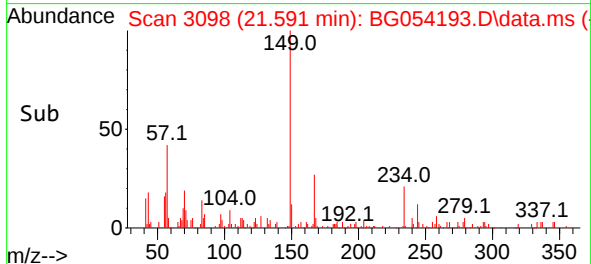
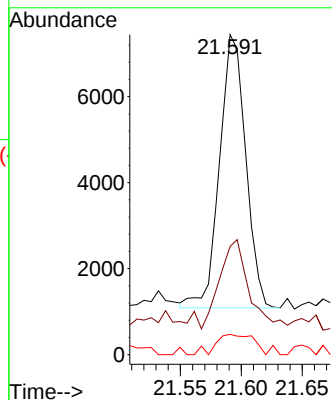
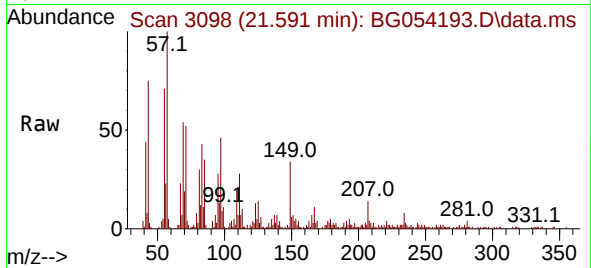




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.185 ng
RT: 21.591 min Scan# 3098
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

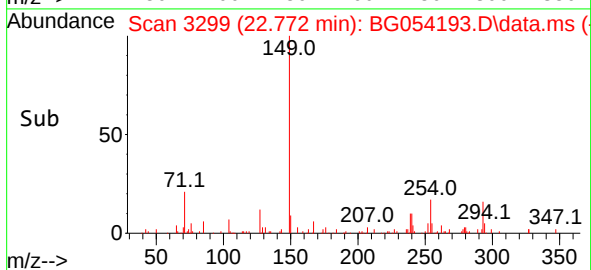
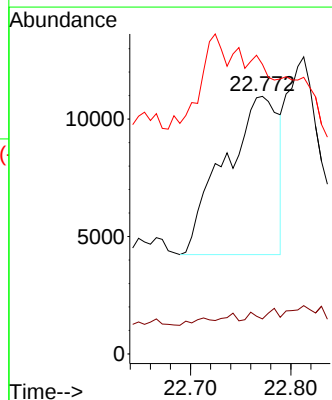
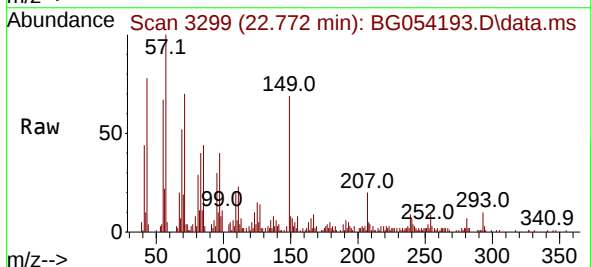
Instrument :
BNA_G
ClientSampleId :
72-11998

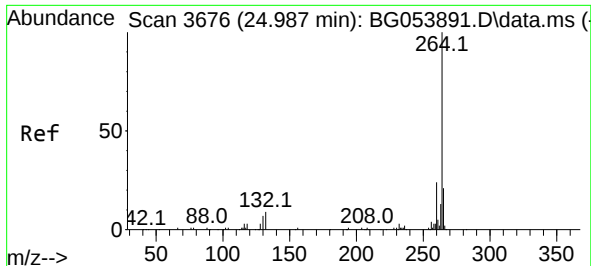
Tgt Ion:149 Resp: 9512
Ion Ratio Lower Upper
149 100
167 33.9 20.2 30.4#
279 6.3 3.6 5.4#



#85
Di-n-octyl phthalate
Concen: 3.379 ng
RT: 22.772 min Scan# 3299
Delta R.T. -0.052 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:149 Resp: 25278
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.0 13.4#

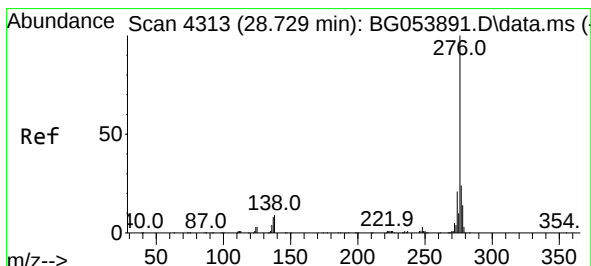
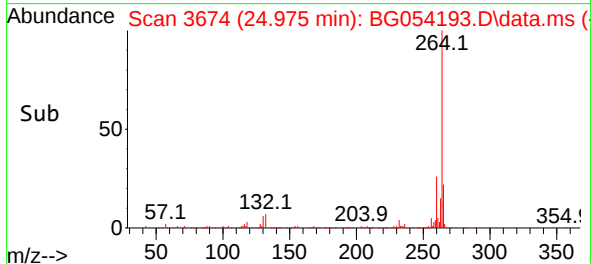
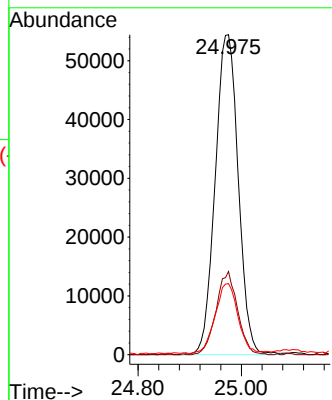
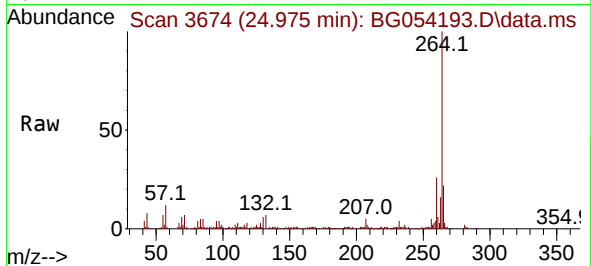




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.975 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

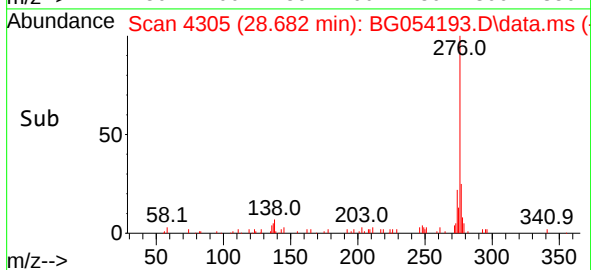
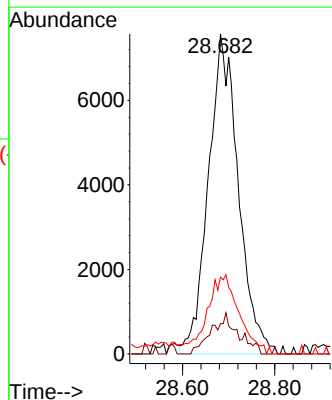
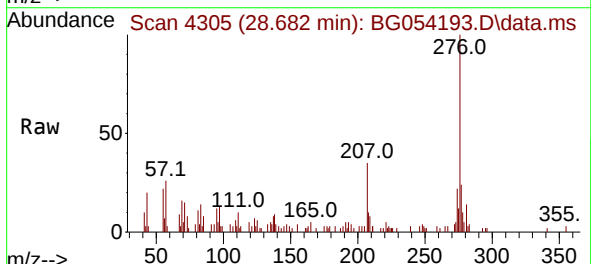
Instrument :
 BNA_G
 ClientSampleId :
 72-11998

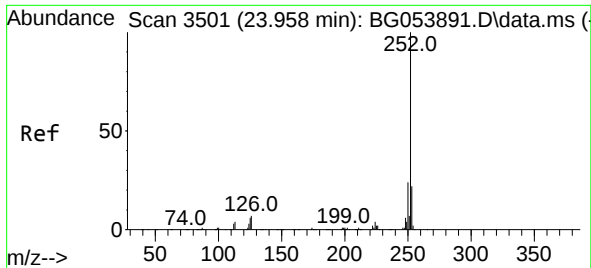
Tgt Ion:264 Resp: 168346
 Ion Ratio Lower Upper
 264 100
 260 26.0 19.0 28.6
 265 22.2 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.681 ng
 RT: 28.682 min Scan# 4305
 Delta R.T. -0.005 min
 Lab File: BG054193.D
 Acq: 1 Jul 2022 16:16

Tgt Ion:276 Resp: 34057
 Ion Ratio Lower Upper
 276 100
 138 2.8 5.0 7.4#
 277 26.0 20.3 30.5

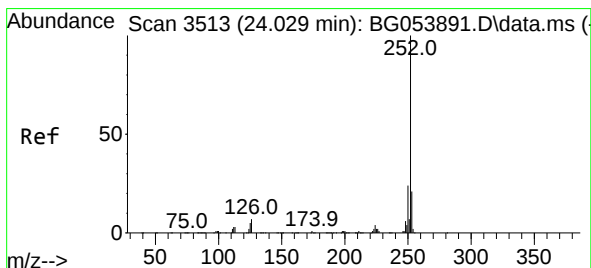
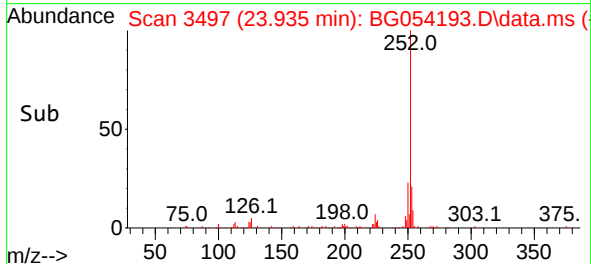
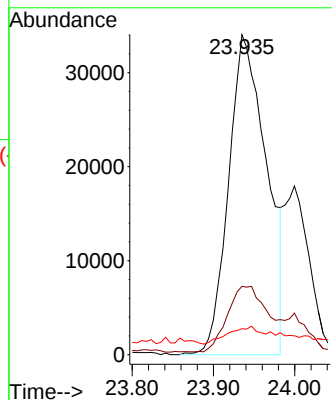
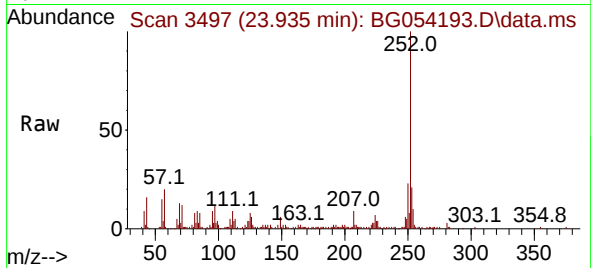




#88
Benzo(b)fluoranthene
Concen: 10.811 ng
RT: 23.935 min Scan# 3497
Delta R.T. 0.001 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

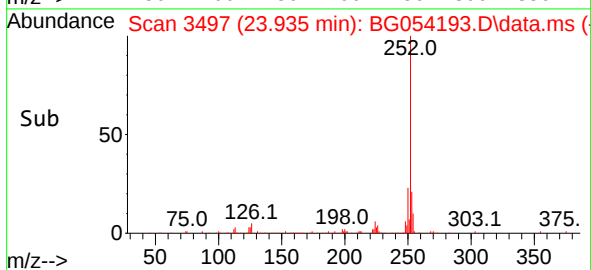
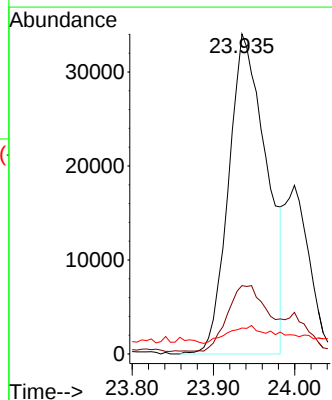
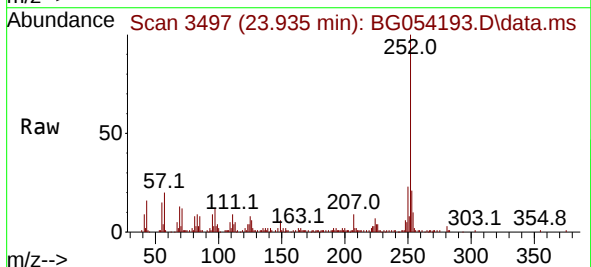
Instrument :
BNA_G
ClientSampleId :
72-11998

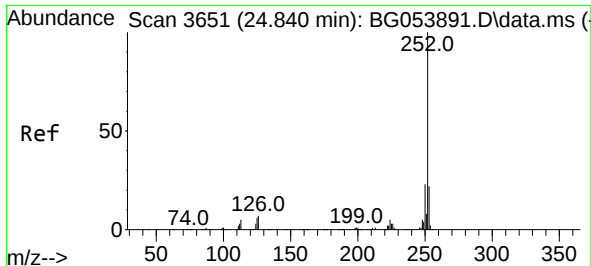
Tgt Ion:252 Resp: 110659
Ion Ratio Lower Upper
252 100
253 21.3 18.0 27.0
125 8.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 10.919 ng
RT: 23.935 min Scan# 3497
Delta R.T. -0.070 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:252 Resp: 110659
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 8.1 4.8 7.2#

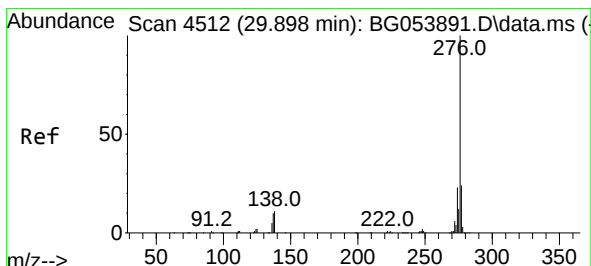
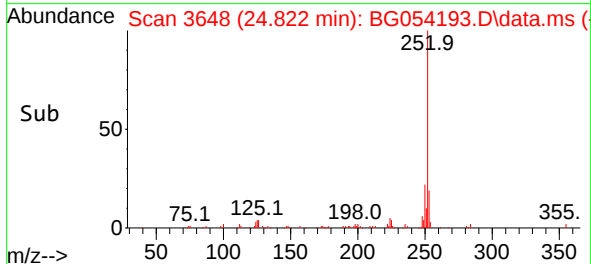
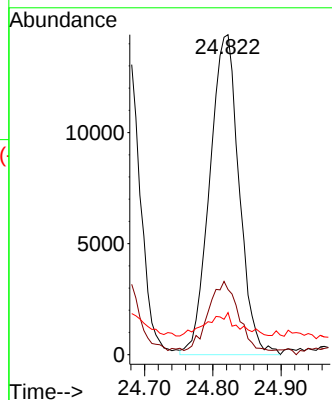
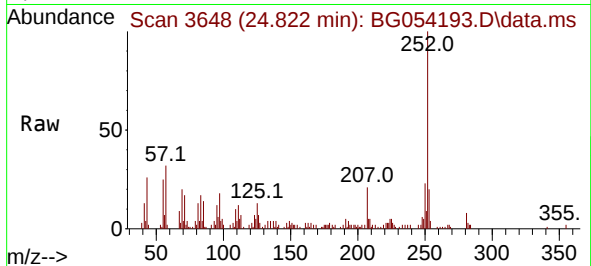




#90
Benzo(a)pyrene
Concen: 4.997 ng
RT: 24.822 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Instrument :
BNA_G
ClientSampleId :
72-11998

Tgt Ion:252 Resp: 43153
Ion Ratio Lower Upper
252 100
253 20.3 17.8 26.8
125 13.1 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 2.829 ng
RT: 29.852 min Scan# 4504
Delta R.T. -0.011 min
Lab File: BG054193.D
Acq: 1 Jul 2022 16:16

Tgt Ion:276 Resp: 29329
Ion Ratio Lower Upper
276 100
277 20.7 17.3 25.9
138 11.8 9.6 14.4

