

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054106.D
 Acq On : 28 Jun 2022 00:22
 Operator : CG/JU
 Sample : N3462-08RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622

Quant Time: Jun 28 05:00:04 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)

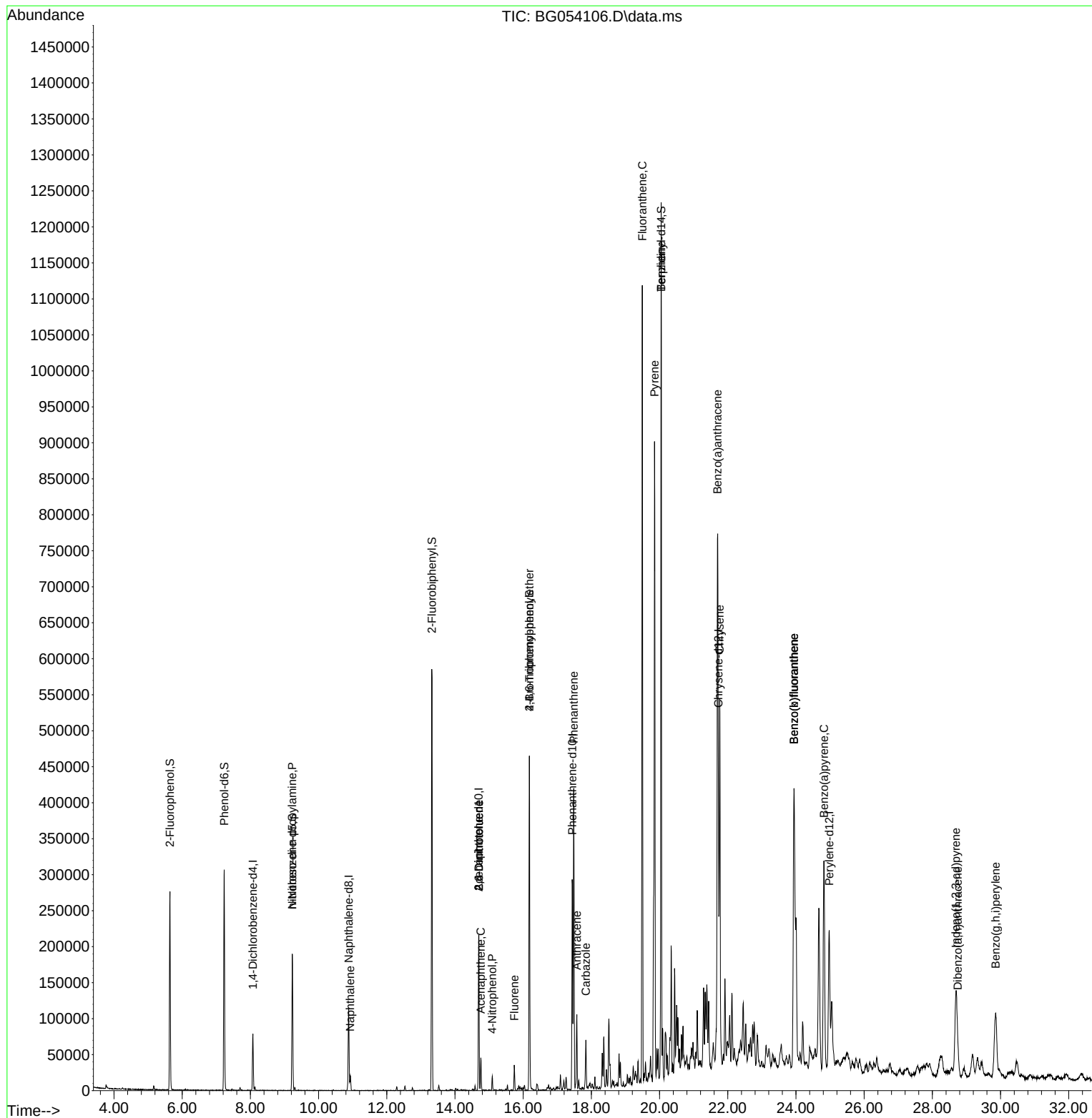
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	24396	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	104977	20.000	ng	0.00
39) Acenaphthene-d10	14.693	164	84096	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	210307	20.000	ng	0.00
76) Chrysene-d12	21.720	240	205988	20.000	ng	0.00
86) Perylene-d12	24.975	264	215552	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	129053	101.139	ng	0.00
7) Phenol-d6	7.231	99	184694	106.699	ng	0.00
23) Nitrobenzene-d5	9.229	82	120402	64.453	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	104608	77.421	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	342527	59.228	ng	0.00
79) Terphenyl-d14	20.045	244	639185	62.497	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.229	70	16166	13.901	ng	# 81
31) Naphthalene	10.927	128	18650	3.519	ng	99
51) 2,6-Dinitrotoluene	14.699	165	11571	8.942	ng	# 16
52) Acenaphthene	14.757	154	17844	3.797	ng	99
56) 4-Nitrophenol	15.086	139	4709	5.291	ng	# 1
57) 2,4-Dinitrotoluene	14.699	165	11571	6.332	ng	# 21
58) Fluorene	15.739	166	17186	2.765	ng	# 84
67) 4-Bromophenyl-phenylether	16.179	248	6448	2.455	ng	# 1
71) Phenanthrene	17.484	178	298713	27.646	ng	98
72) Anthracene	17.572	178	72533	6.874	ng	98
73) Carbazole	17.836	167	46357	5.119	ng	99
75) Fluoranthene	19.493	202	742833	52.371	ng	96
77) Benzidine	20.045	184	9207	2.158	ng	# 92
78) Pyrene	19.851	202	644924	51.838	ng	97
81) Benzo(a)anthracene	21.696	228	463213	34.730	ng	98
83) Chrysene	21.761	228	391214	30.772	ng	96
87) Indeno(1,2,3-cd)pyrene	28.688	276	222398	13.672	ng	# 95
88) Benzo(b)fluoranthene	23.941	252	559327	42.677	ng	# 99
89) Benzo(k)fluoranthene	23.941	252	559327	43.104	ng	99
90) Benzo(a)pyrene	24.822	252	355152	32.117	ng	# 98
91) Dibenzo(a,h)anthracene	28.741	278	63978	4.756	ng	# 95
92) Benzo(g,h,i)perylene	29.857	276	208329	15.694	ng	# 93

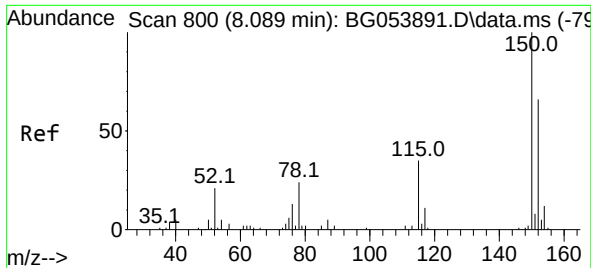
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
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SB-2-3-5-20220622

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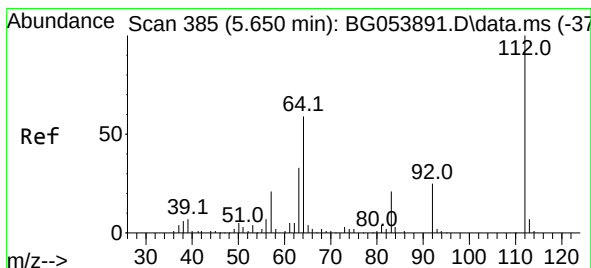
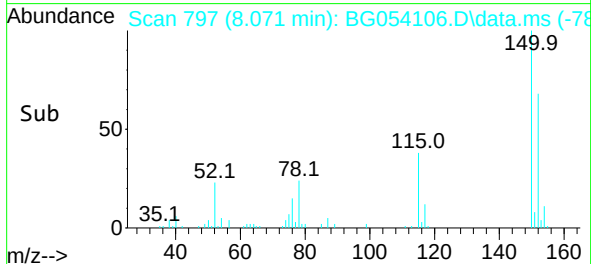
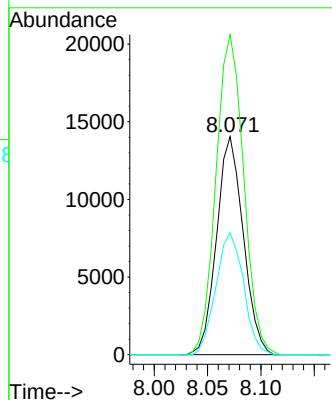
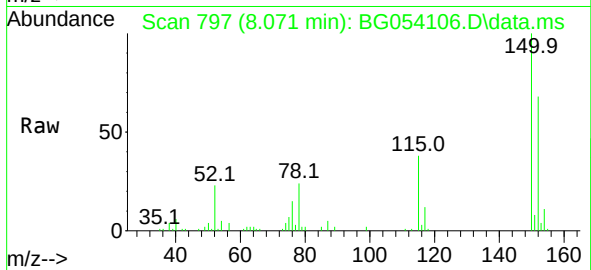




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

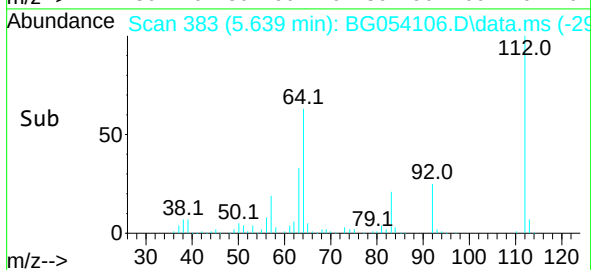
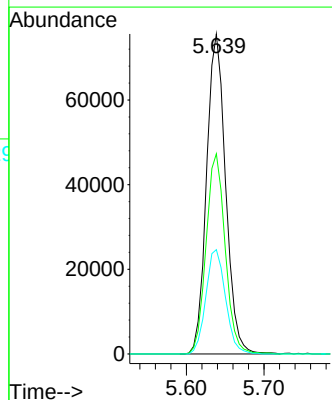
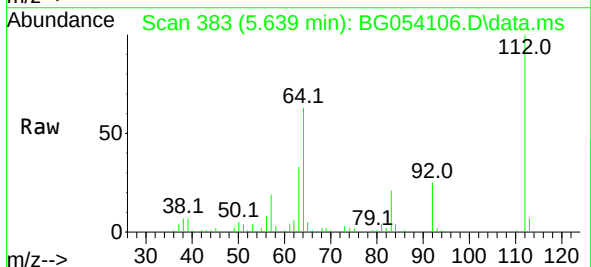
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

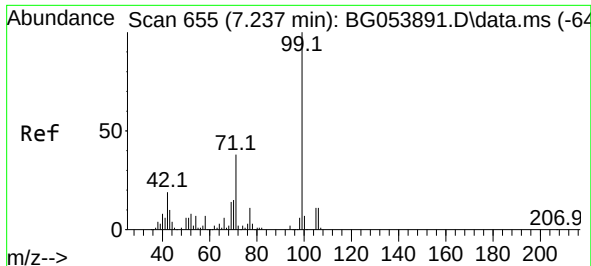
Tgt Ion:152 Resp: 24396
Ion Ratio Lower Upper
152 100
150 146.7 131.6 197.4
115 56.0 50.9 76.3



#5
2-Fluorophenol
Concen: 101.139 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

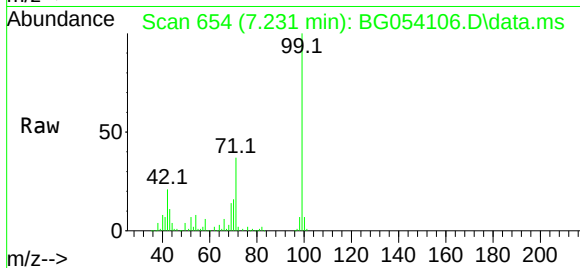
Tgt Ion:112 Resp: 129053
Ion Ratio Lower Upper
112 100
64 62.5 55.1 82.7
63 32.6 30.4 45.6





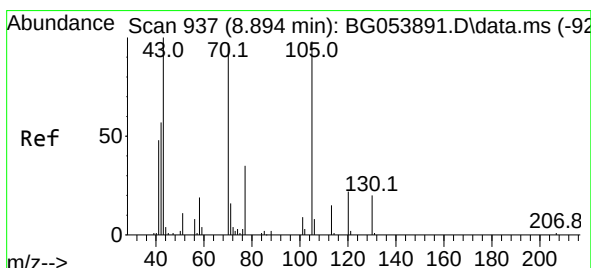
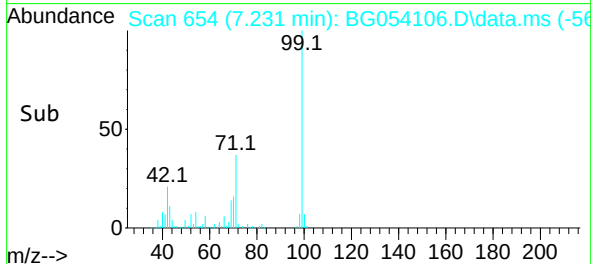
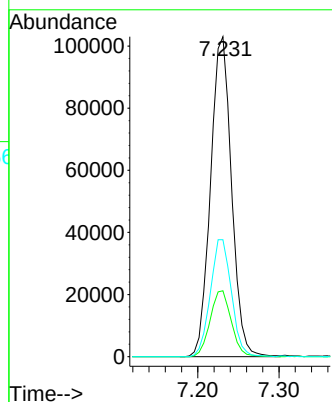
#7
Phenol-d6
Concen: 106.699 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion: 99 Resp: 184694

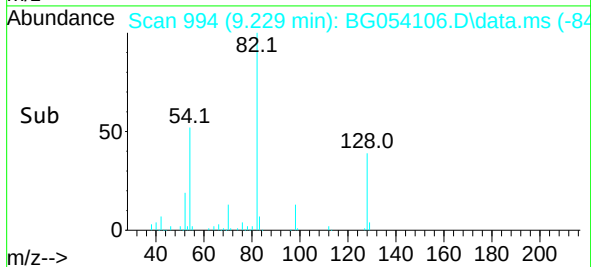
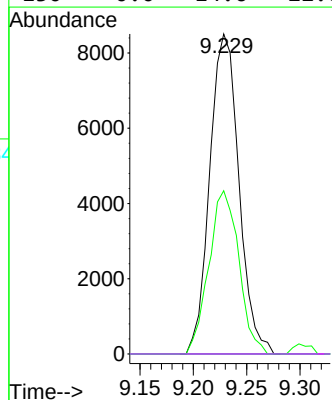
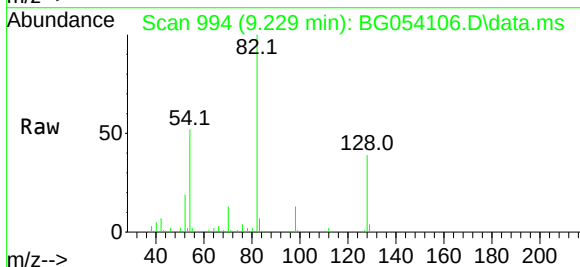
Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	36.5	33.8	50.8

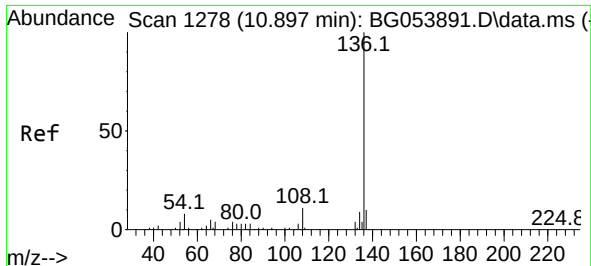


#19
n-Nitroso-di-n-propylamine
Concen: 13.901 ng
RT: 9.229 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion: 70 Resp: 16166

Ion	Ratio	Lower	Upper
70	100		
42	51.0	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#

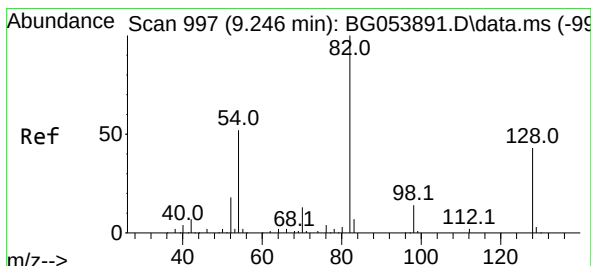
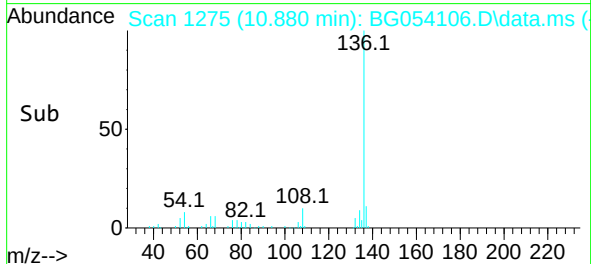
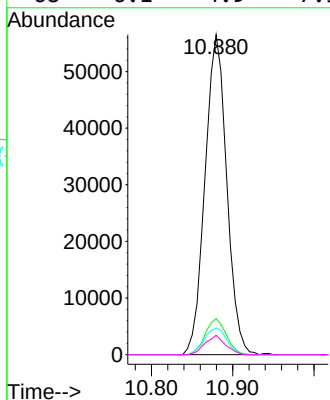
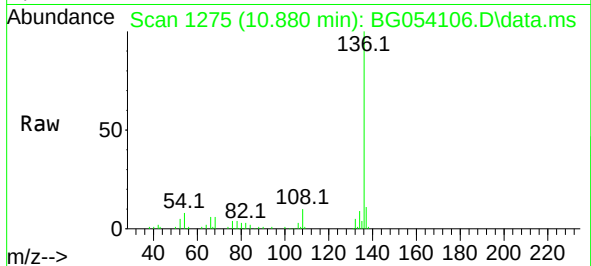




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

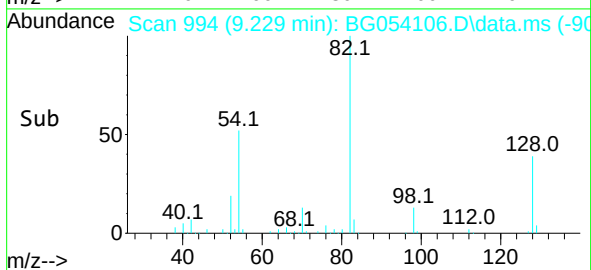
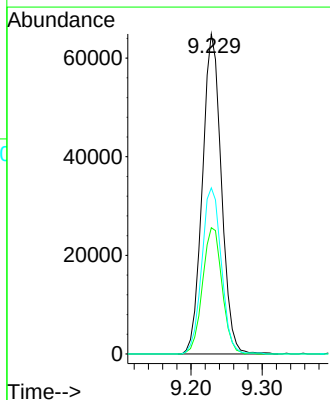
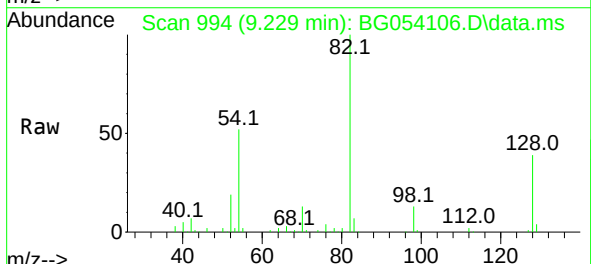
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

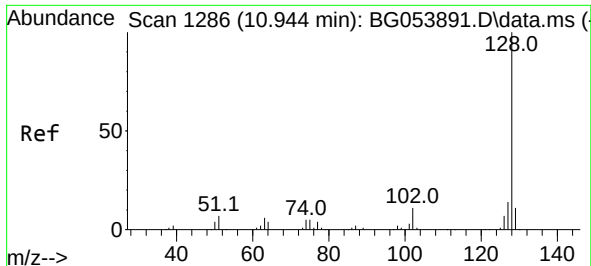
Tgt Ion:136	Resp: 104977
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 8.4	7.4 11.2
68 6.1	4.9 7.3



#23
Nitrobenzene-d5
Concen: 64.453 ng
RT: 9.229 min Scan# 994
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion: 82	Resp: 120402
Ion Ratio	Lower Upper
82 100	
128 39.4	27.9 41.9
54 51.9	41.2 61.8

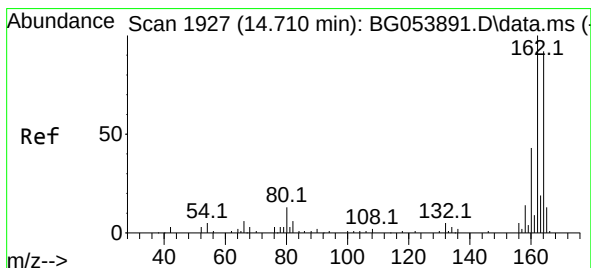
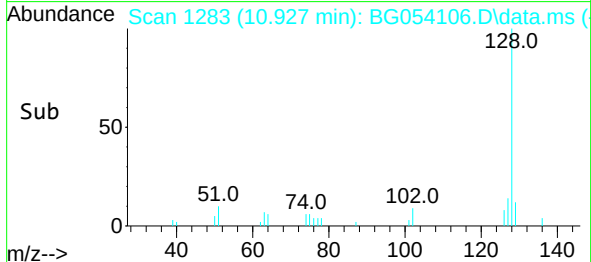
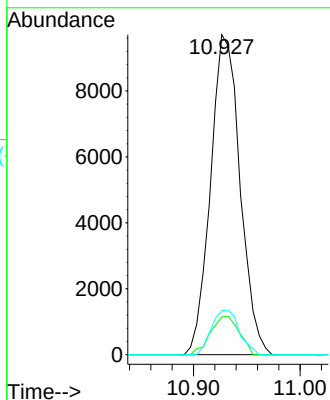
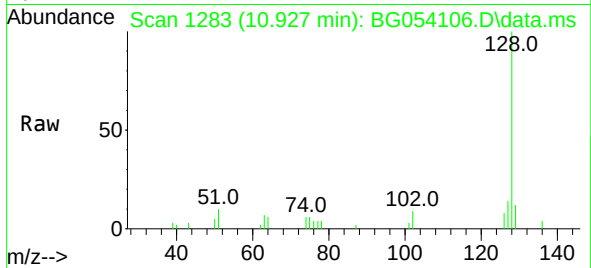




#31
Naphthalene
Concen: 3.519 ng
RT: 10.927 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

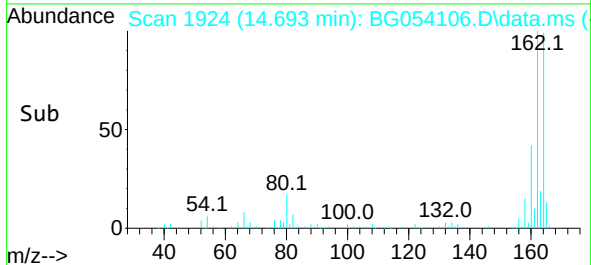
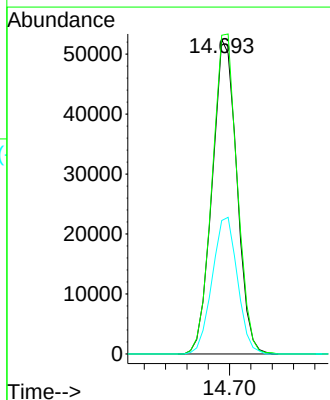
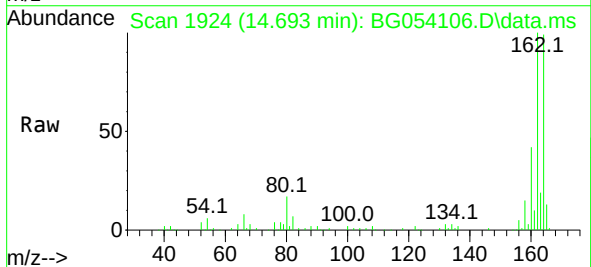
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

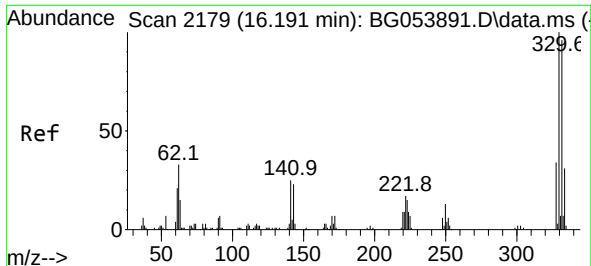
Tgt Ion:128 Resp: 18650
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 13.7 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

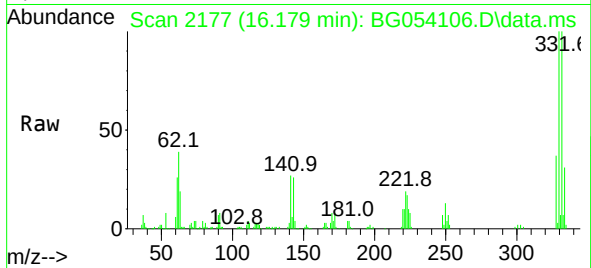
Tgt Ion:164 Resp: 84096
Ion Ratio Lower Upper
164 100
162 101.3 82.3 123.5
160 42.4 34.2 51.2



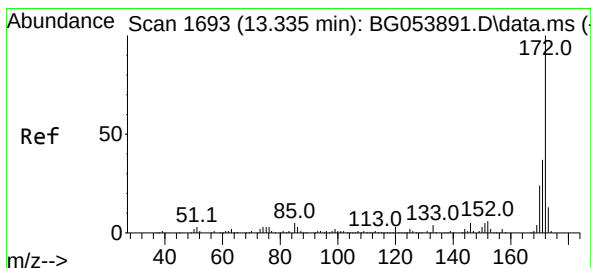
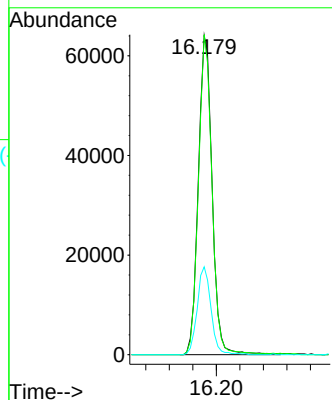
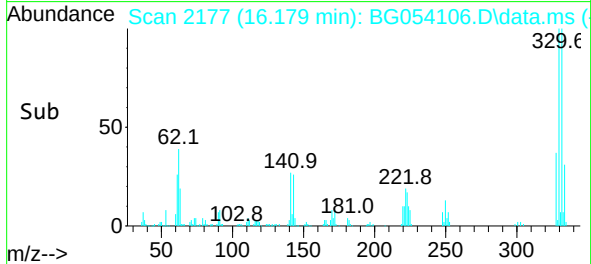


#42
2,4,6-Tribromophenol
Concen: 77.421 ng
RT: 16.179 min Scan# 2179
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

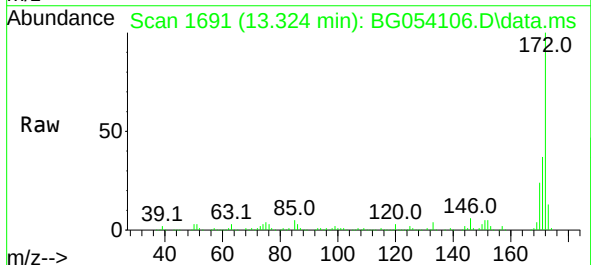
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622



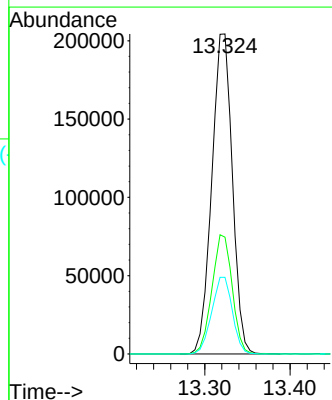
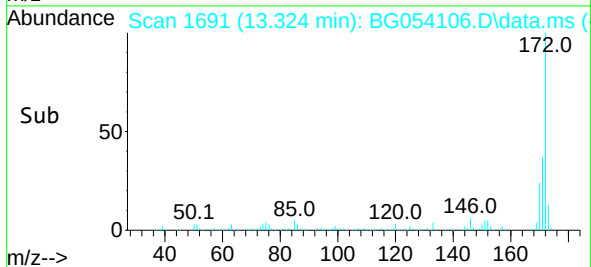
Tgt Ion:330 Resp: 104608
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 27.4 27.1 40.7

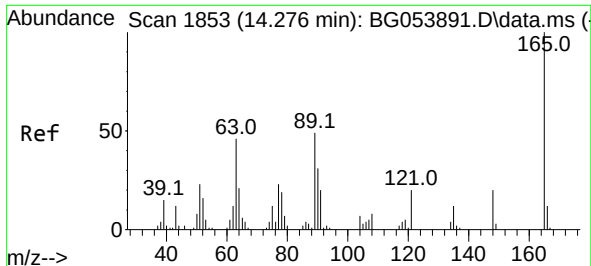


#45
2-Fluorobiphenyl
Concen: 59.228 ng
RT: 13.324 min Scan# 1691
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



Tgt Ion:172 Resp: 342527
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 23.9 18.9 28.3

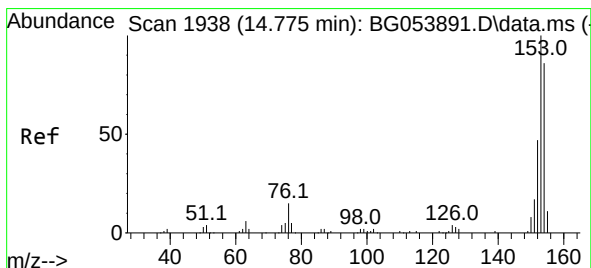
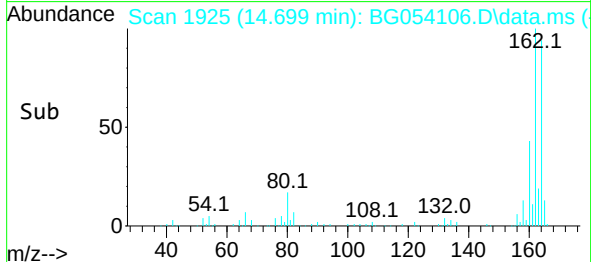
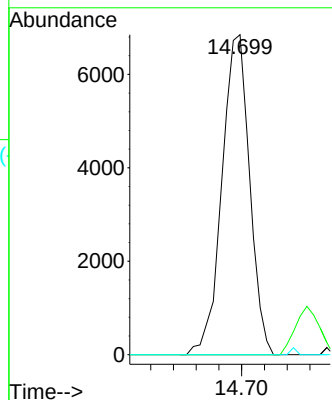
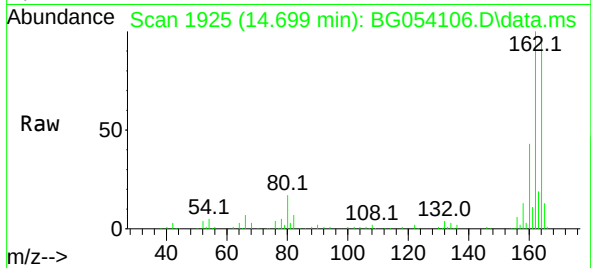




#51
2,6-Dinitrotoluene
Concen: 8.942 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.435 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

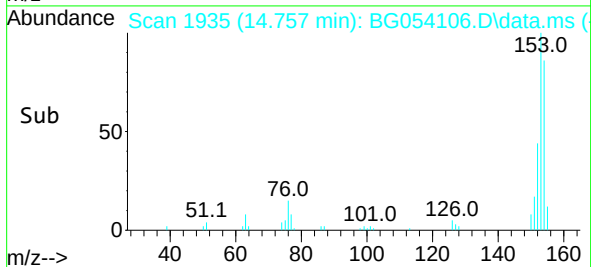
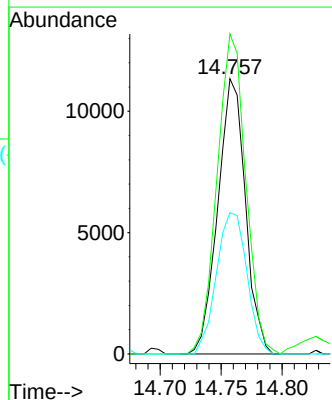
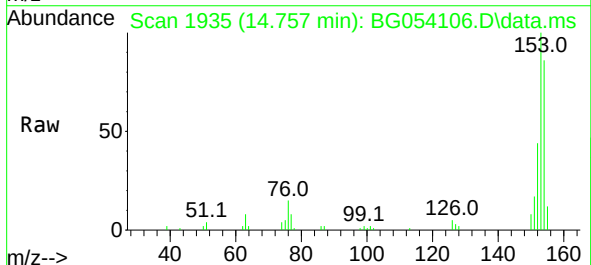
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SB-2-3-5-20220622

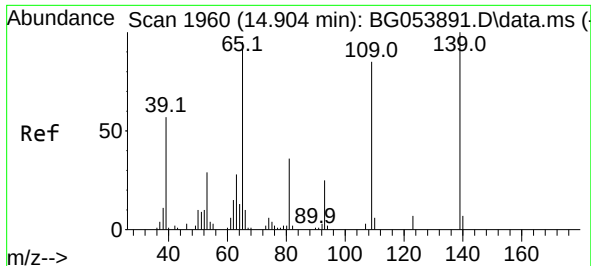
Tgt Ion:165 Resp: 11571
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#52
Acenaphthene
Concen: 3.797 ng
RT: 14.757 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:154 Resp: 17844
Ion Ratio Lower Upper
154 100
153 116.3 92.7 139.1
152 51.3 42.6 64.0

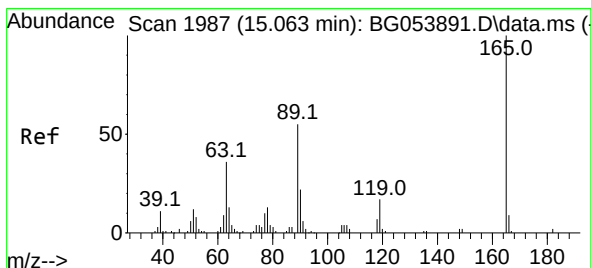
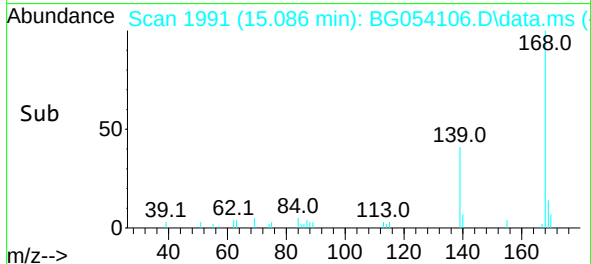
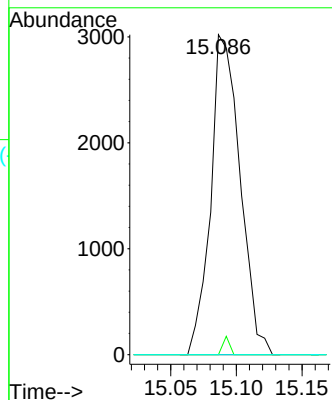
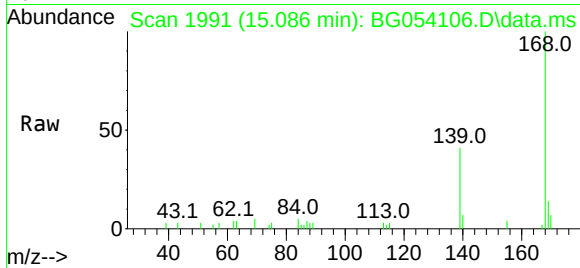




#56
4-Nitrophenol
Concen: 5.291 ng
RT: 15.086 min Scan# 1991
Delta R.T. 0.189 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

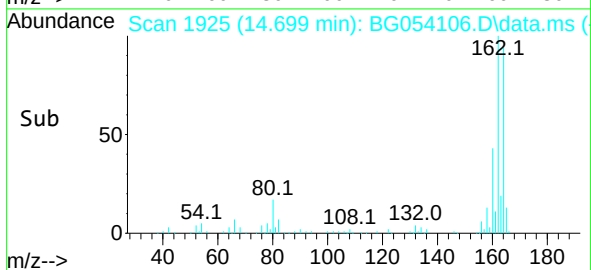
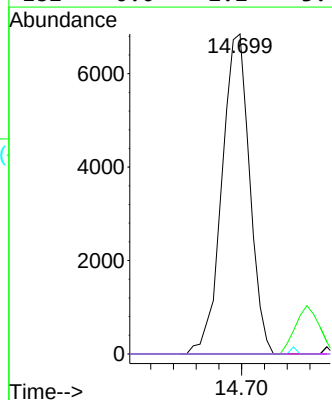
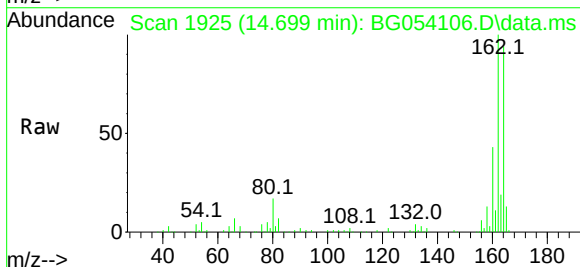
Instrument :
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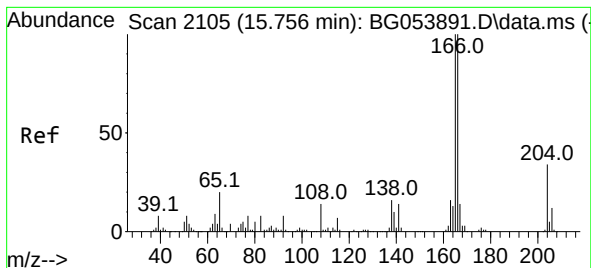
Tgt Ion:139 Resp: 4709
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 6.332 ng
RT: 14.699 min Scan# 1925
Delta R.T. -0.352 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:165 Resp: 11571
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: 2.765 ng

RT: 15.739 min Scan# 2105

Delta R.T. -0.005 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

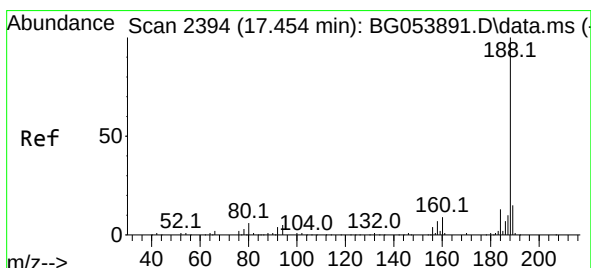
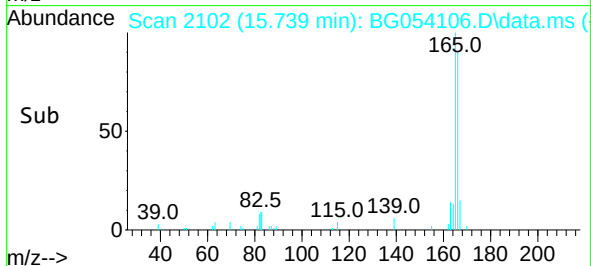
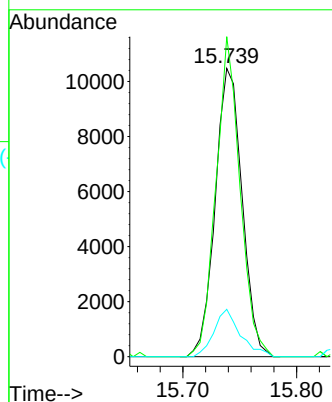
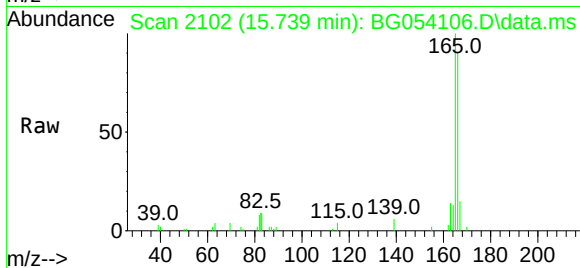
Tgt Ion:166 Resp: 17186

Ion Ratio Lower Upper

166 100

165 111.0 75.0 112.6

167 16.4 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: BG054106.D

Acq: 28 Jun 2022 00:22

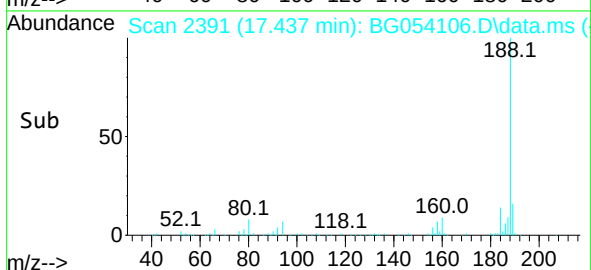
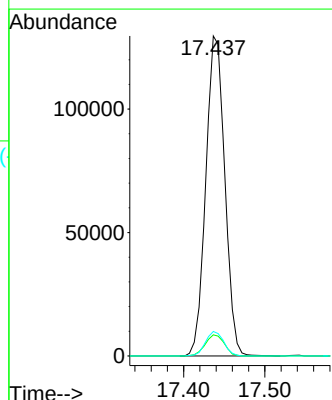
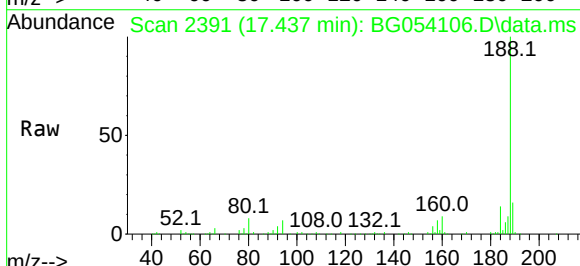
Tgt Ion:188 Resp: 210307

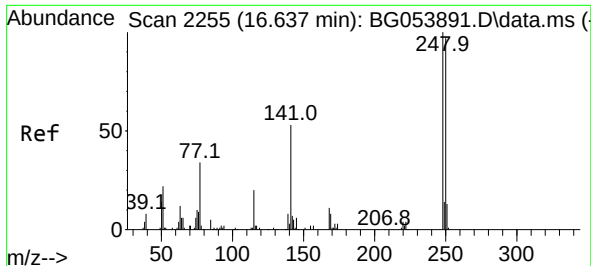
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.0

80 7.6 6.8 10.2

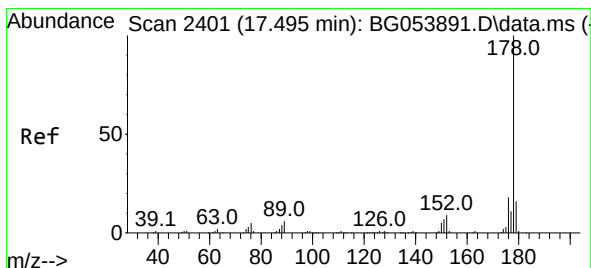
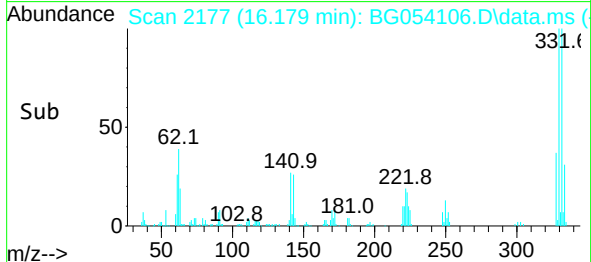
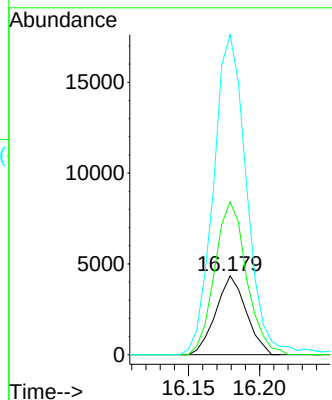
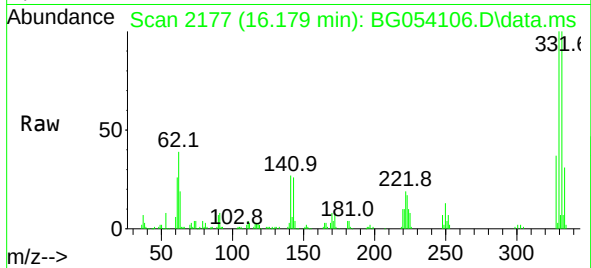




#67
4-Bromophenyl-phenylether
Concen: 2.455 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.446 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

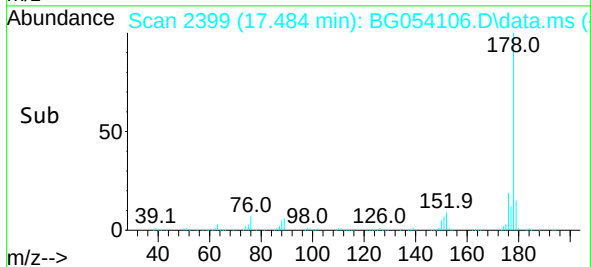
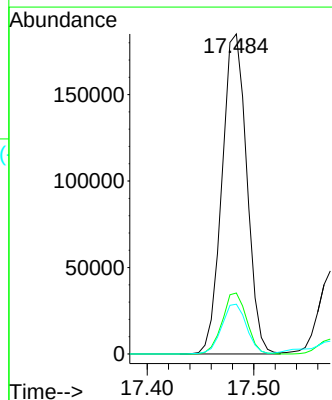
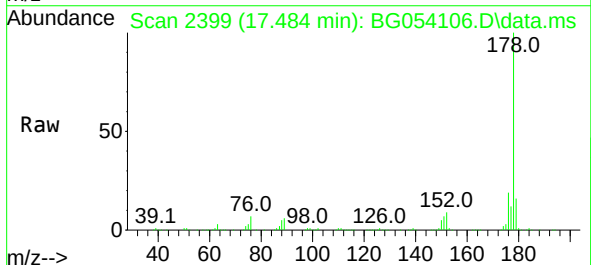
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

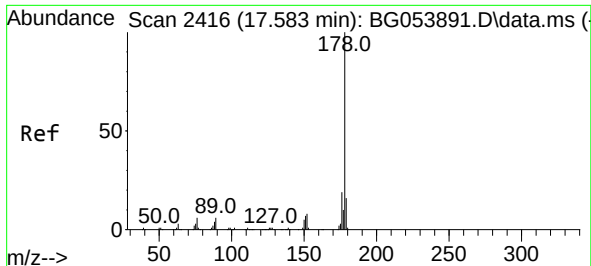
Tgt Ion:248 Resp: 6448
Ion Ratio Lower Upper
248 100
250 153.0 75.2 112.8#
141 320.4 50.0 75.0#



#71
Phenanthrene
Concen: 27.646 ng
RT: 17.484 min Scan# 2399
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:178 Resp: 298713
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 15.5 12.1 18.1

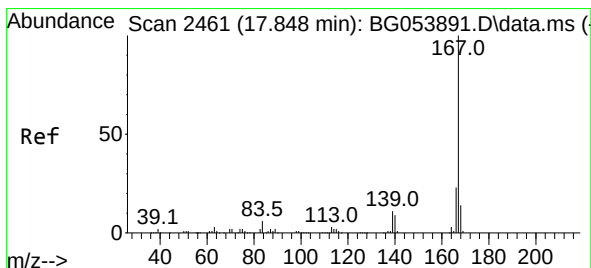
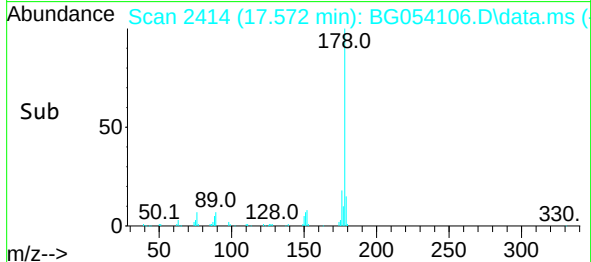
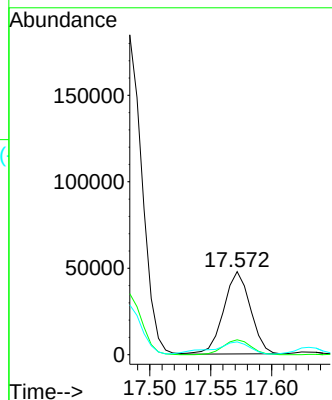
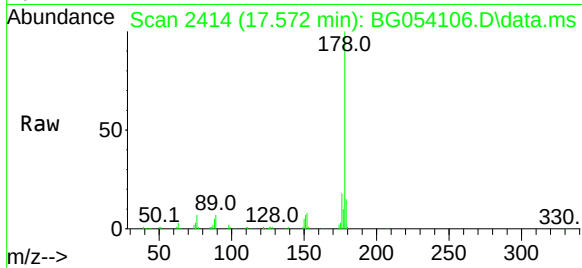




#72
 Anthracene
 Concen: 6.874 ng
 RT: 17.572 min Scan# 2416
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

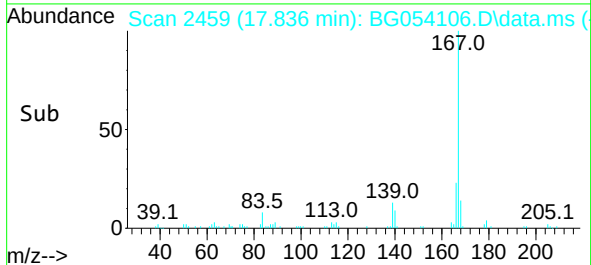
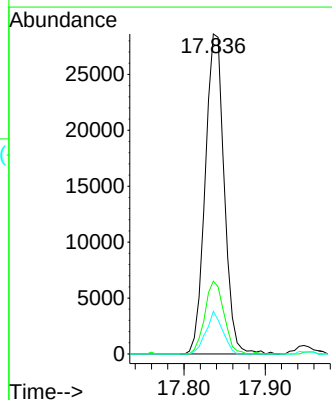
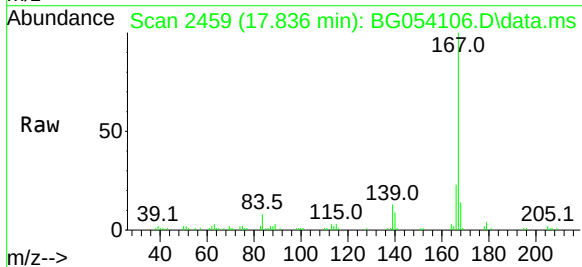
Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622

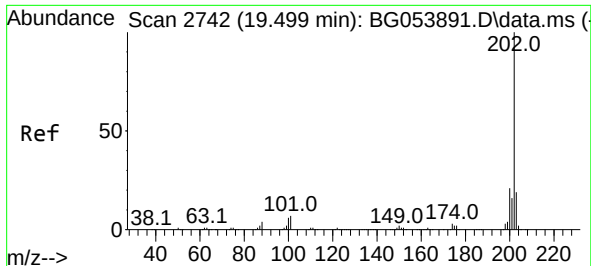
Tgt Ion:178 Resp: 72533
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.2 22.8
 179 15.4 13.0 19.4



#73
 Carbazole
 Concen: 5.119 ng
 RT: 17.836 min Scan# 2459
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

Tgt Ion:167 Resp: 46357
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 13.3 10.1 15.1

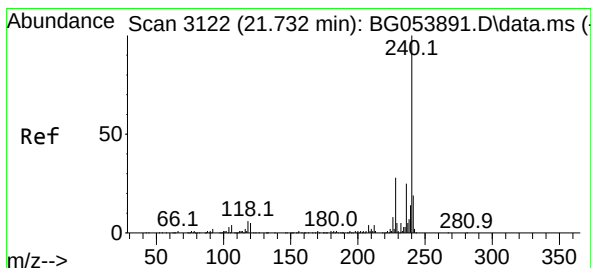
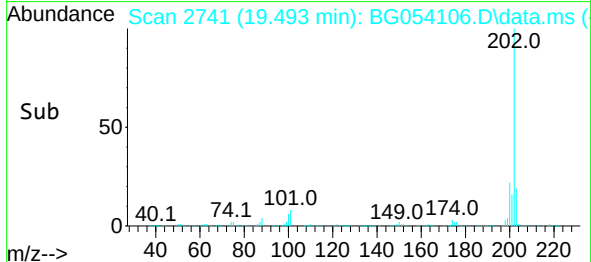
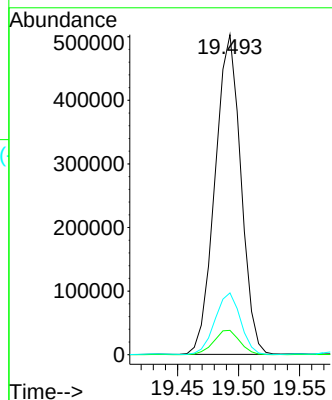
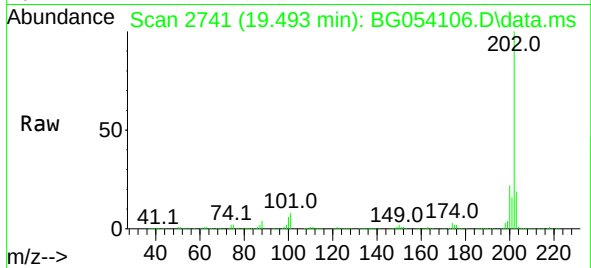




#75
Fluoranthene
Concen: 52.371 ng
RT: 19.493 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

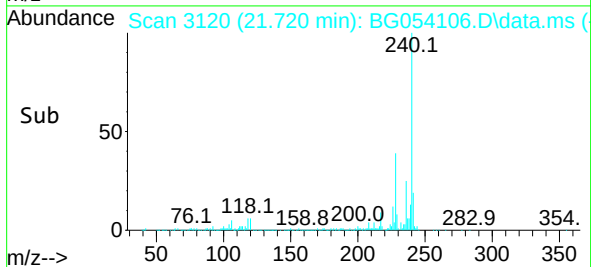
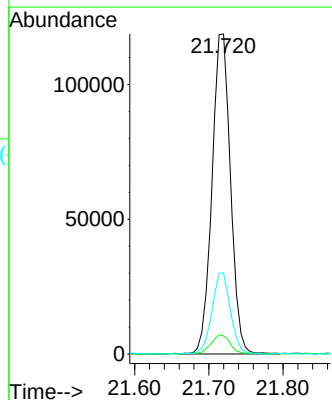
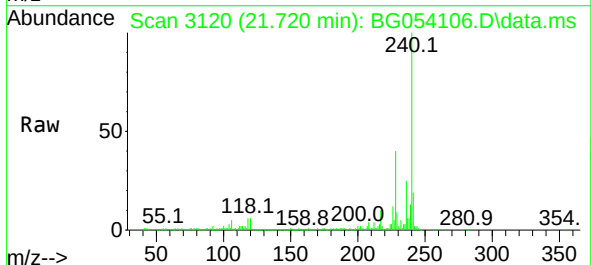
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

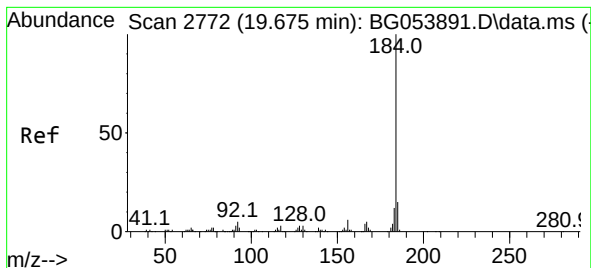
Tgt Ion:202 Resp: 742833
Ion Ratio Lower Upper
202 100
101 7.6 0.0 26.9
203 19.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.720 min Scan# 3120
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:240 Resp: 205988
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 25.4 20.2 30.4





#77

Benzidine

Concen: 2.158 ng

RT: 20.045 min Scan# 21

Delta R.T. 0.383 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

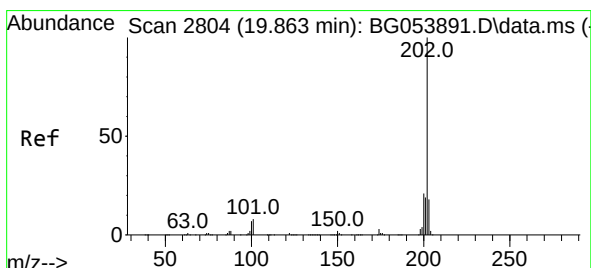
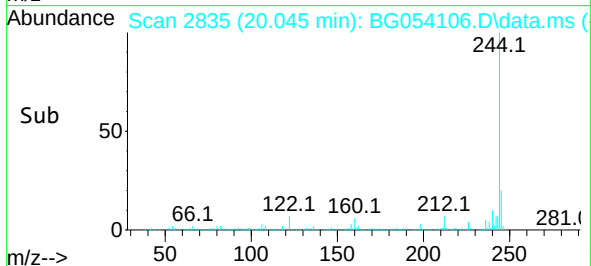
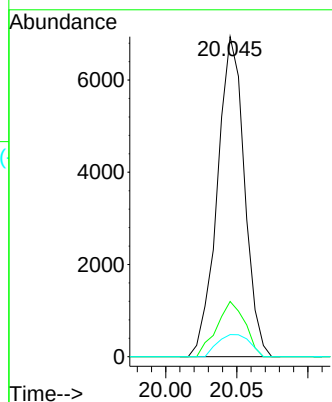
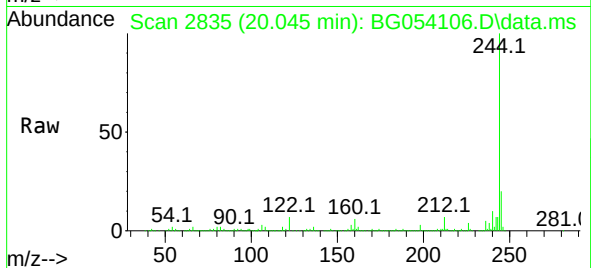
Tgt Ion:184 Resp: 9207

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.6

183 6.9 8.9 13.3#



#78

Pyrene

Concen: 51.838 ng

RT: 19.851 min Scan# 2802

Delta R.T. 0.001 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

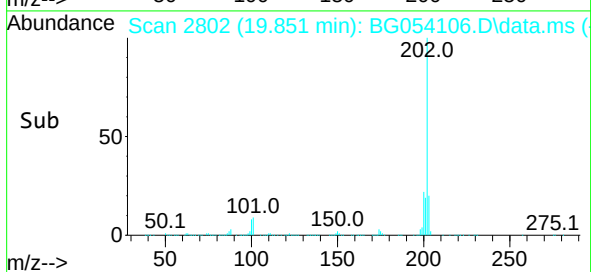
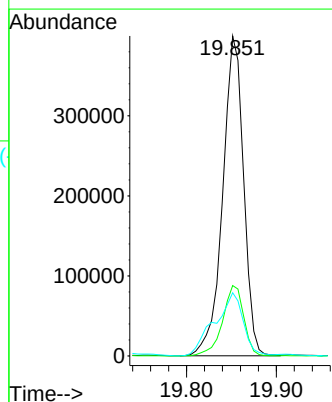
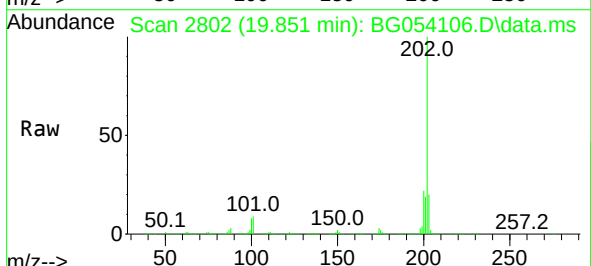
Tgt Ion:202 Resp: 644924

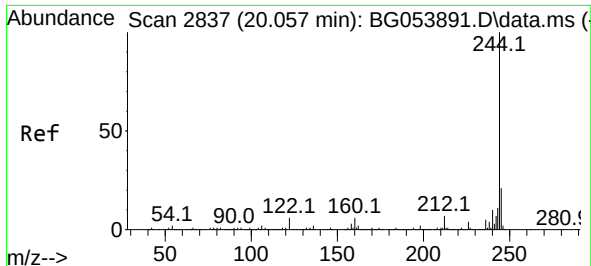
Ion Ratio Lower Upper

202 100

200 22.0 16.6 24.8

203 19.7 14.6 21.8

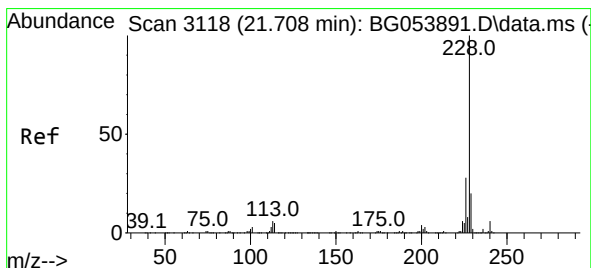
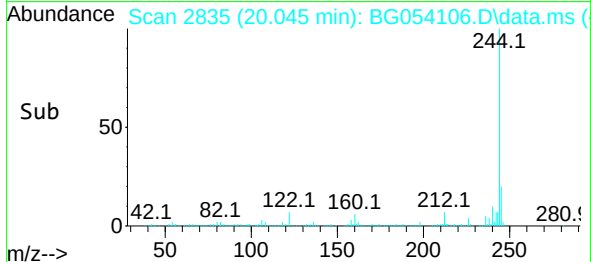
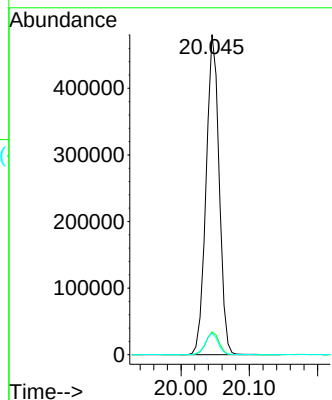
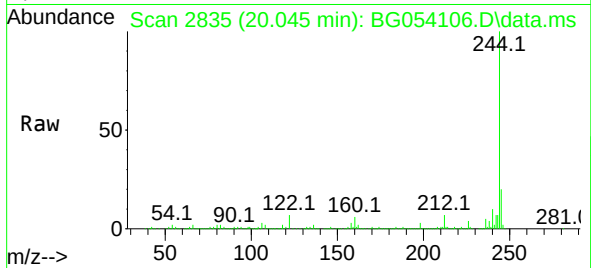




#79
 Terphenyl-d14
 Concen: 62.497 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

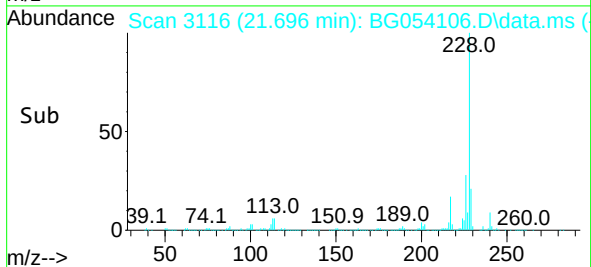
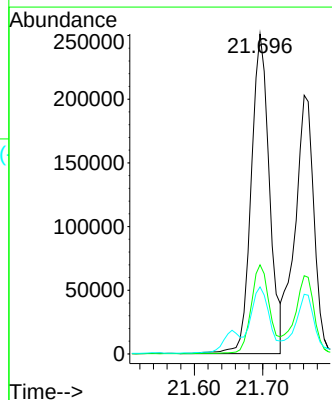
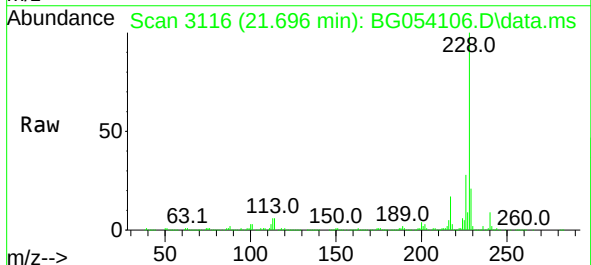
Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622

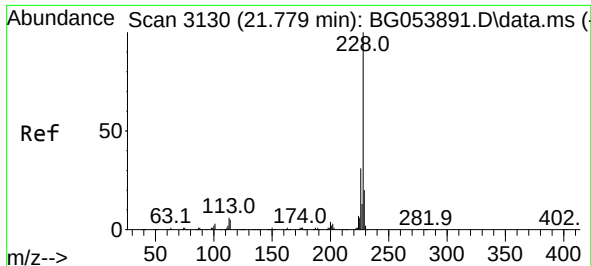
Tgt Ion:244 Resp: 639185
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 6.8 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 34.730 ng
 RT: 21.696 min Scan# 3116
 Delta R.T. 0.001 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

Tgt Ion:228 Resp: 463213
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.0 16.2 24.2

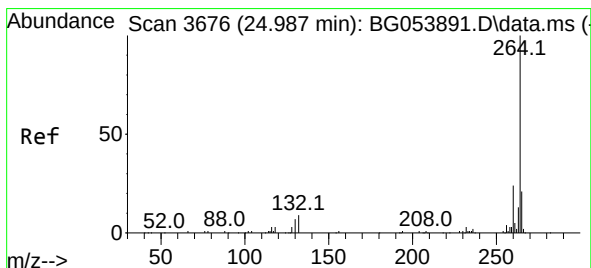
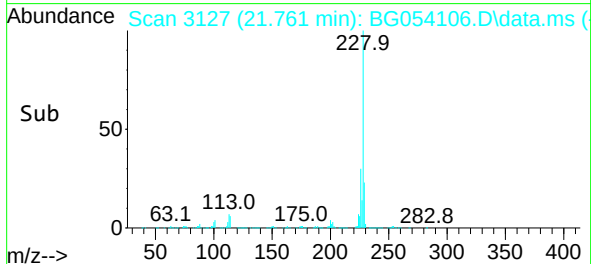
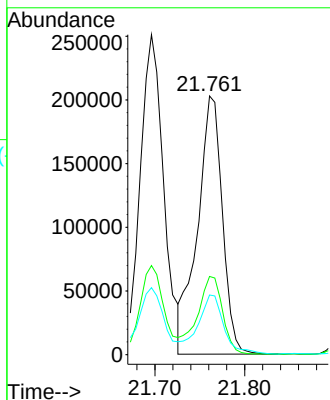
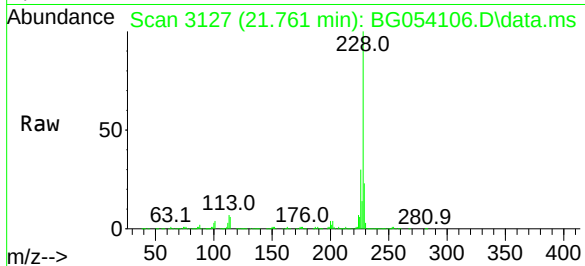




#83
Chrysene
Concen: 30.772 ng
RT: 21.761 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

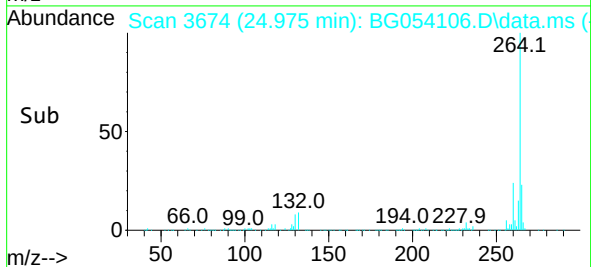
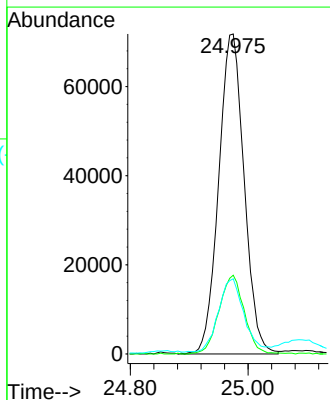
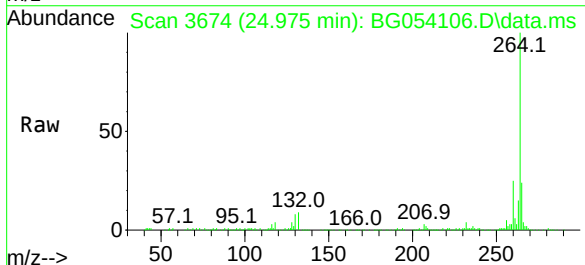
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622

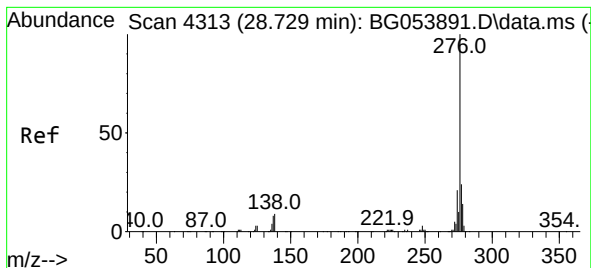
Tgt Ion:228 Resp: 391214
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 23.1 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.975 min Scan# 3674
Delta R.T. 0.012 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:264 Resp: 215552
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 23.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.672 ng

RT: 28.688 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

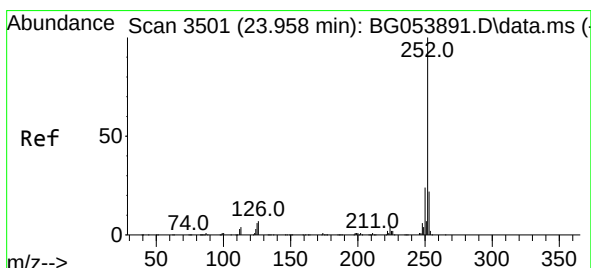
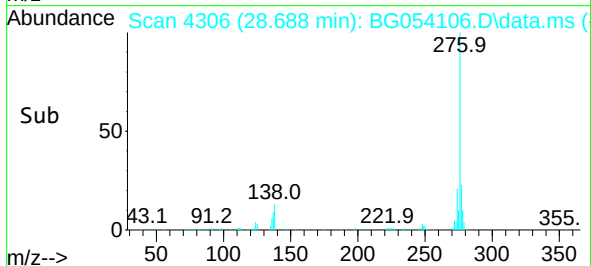
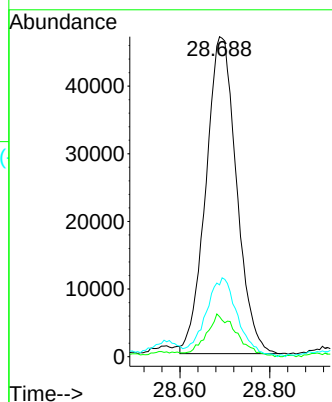
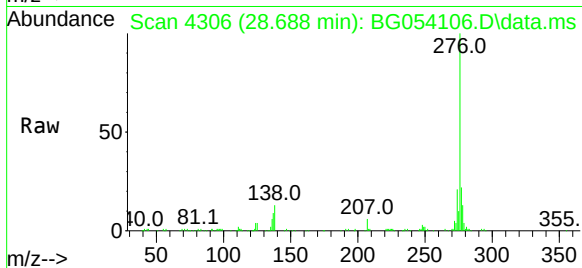
Tgt Ion:276 Resp: 222398

Ion Ratio Lower Upper

276 100

138 13.6 5.0 7.4#

277 26.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.677 ng

RT: 23.941 min Scan# 3498

Delta R.T. 0.007 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

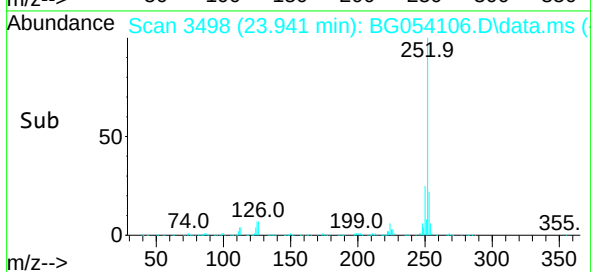
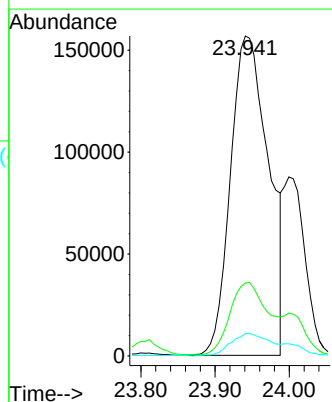
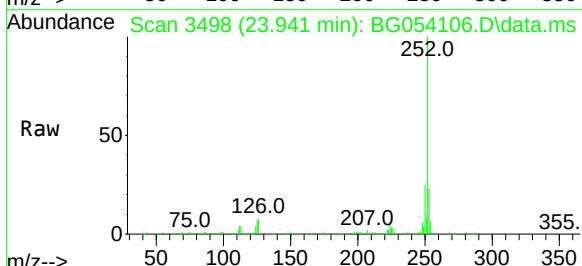
Tgt Ion:252 Resp: 559327

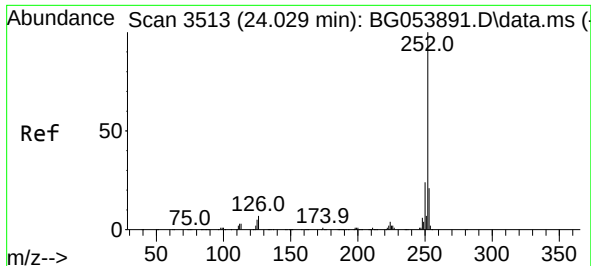
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 6.9 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 43.104 ng

RT: 23.941 min Scan# 34

Delta R.T. -0.064 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

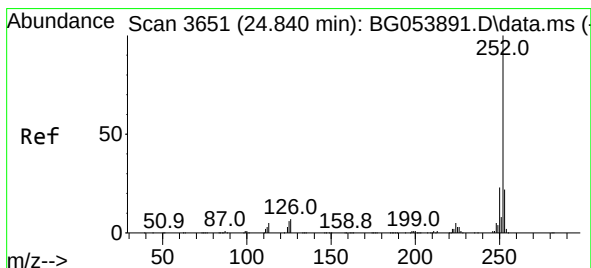
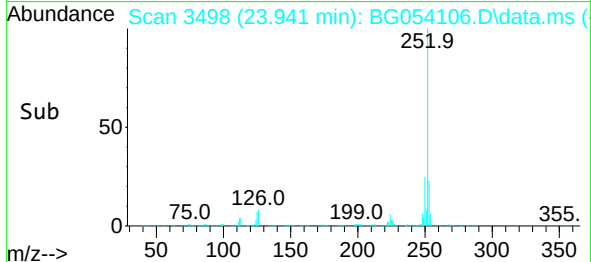
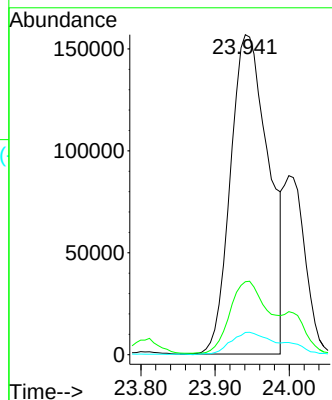
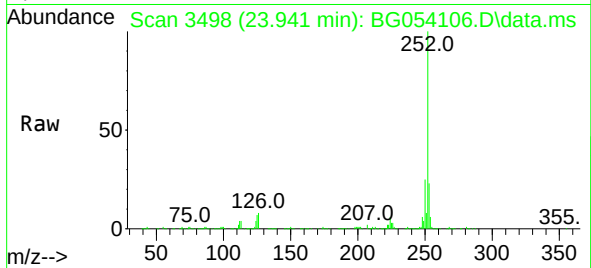
Tgt Ion:252 Resp: 559327

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 6.9 4.8 7.2



#90

Benzo(a)pyrene

Concen: 32.117 ng

RT: 24.822 min Scan# 3648

Delta R.T. 0.007 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

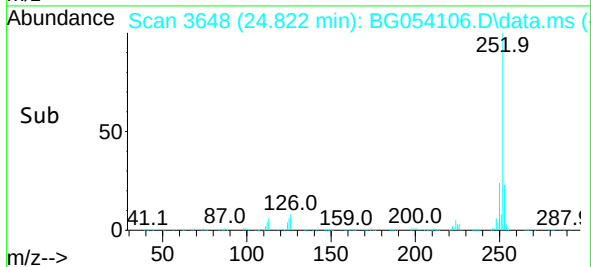
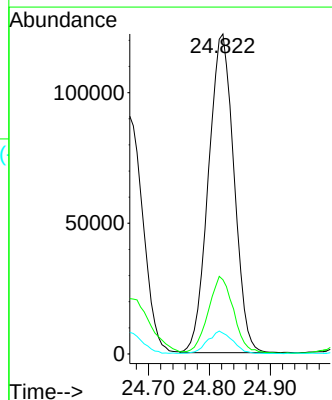
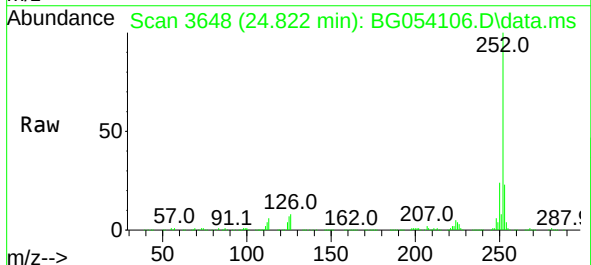
Tgt Ion:252 Resp: 355152

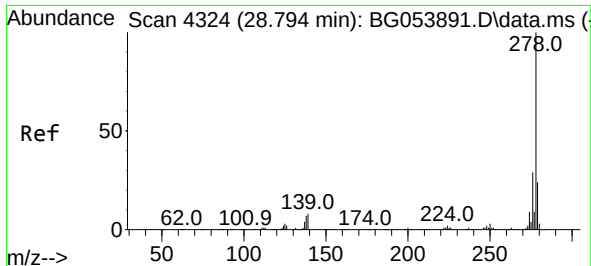
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 6.5 4.3 6.5#

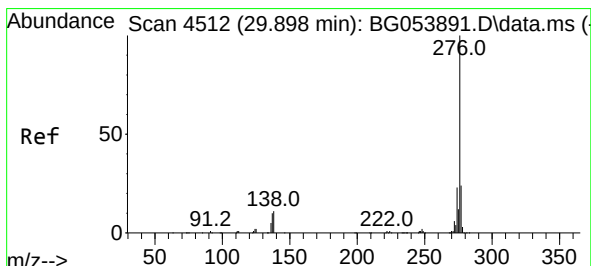
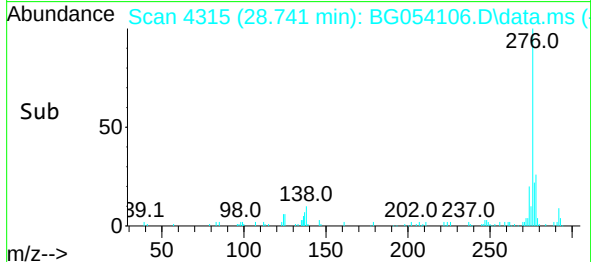
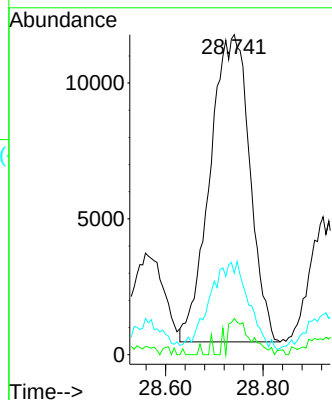
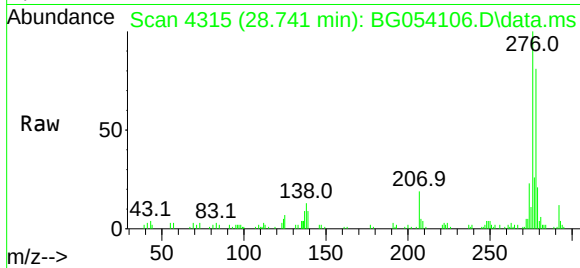




#91
 Dibenzo(a,h)anthracene
 Concen: 4.756 ng
 RT: 28.741 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622

Tgt Ion:278 Resp: 63978
 Ion Ratio Lower Upper
 278 100
 139 11.3 7.2 10.8#
 279 25.5 18.6 27.8



#92
 Benzo(g,h,i)perylene
 Concen: 15.694 ng
 RT: 29.857 min Scan# 4505
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

Tgt Ion:276 Resp: 208329
 Ion Ratio Lower Upper
 276 100
 277 24.8 17.3 25.9
 138 14.8 9.6 14.4#

