

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054200.D
 Acq On : 1 Jul 2022 20:54
 Operator : CG/JU
 Sample : N3557-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-063022

Quant Time: Jul 01 23:35:50 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)

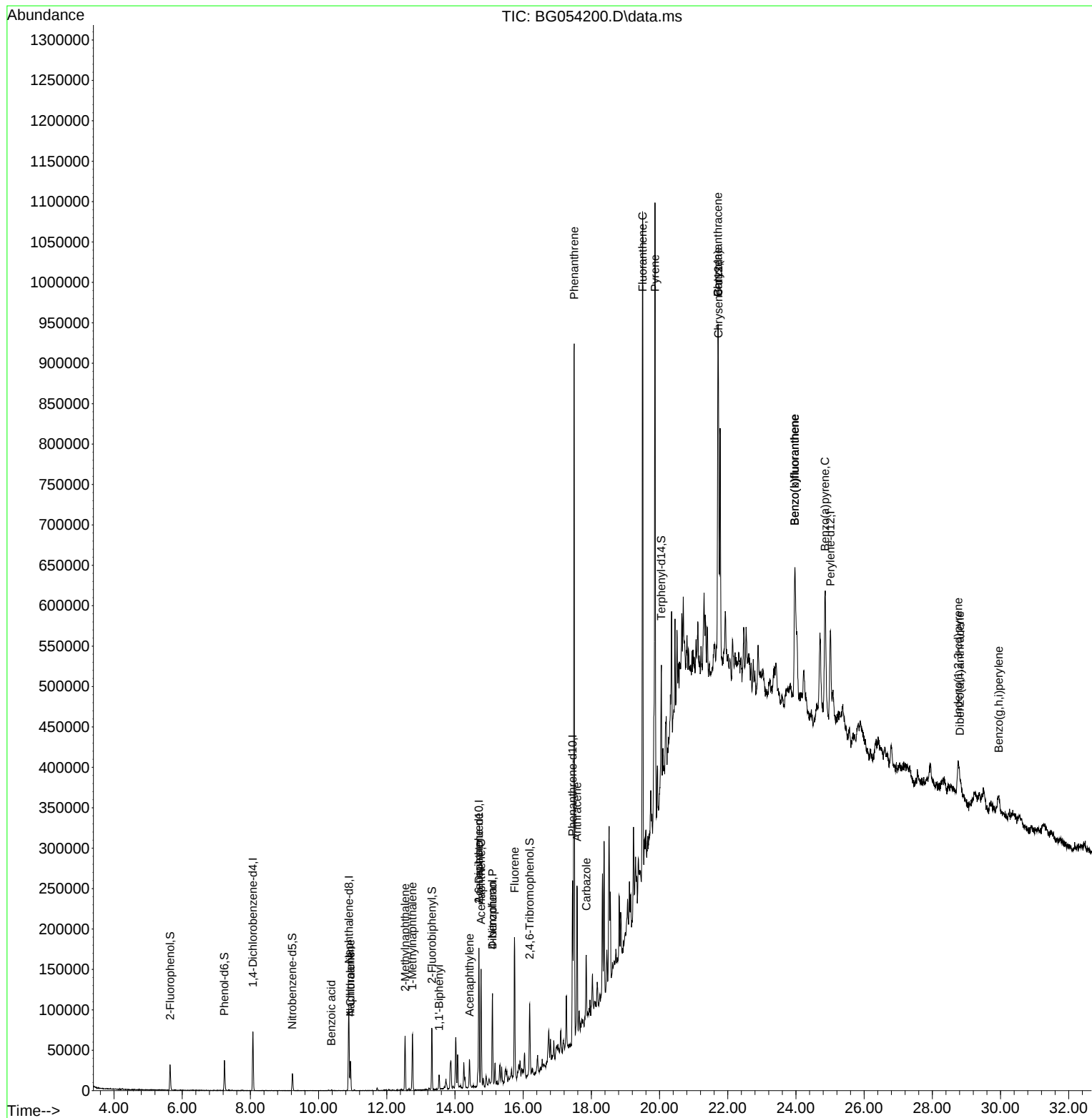
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	23108	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	94726	20.000	ng	0.00
39) Acenaphthene-d10	14.700	164	67102	20.000	ng	0.00
64) Phenanthrene-d10	17.450	188	146769	20.000	ng	# 0.00
76) Chrysene-d12	21.727	240	157531	20.000	ng	0.00
86) Perylene-d12	25.012	264	159315	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	16548	13.691	ng	0.00
7) Phenol-d6	7.238	99	23056	14.062	ng	0.00
23) Nitrobenzene-d5	9.230	82	14527	8.618	ng	0.00
42) 2,4,6-Tribromophenol	16.193	330	15513	14.389	ng	0.00
45) 2-Fluorobiphenyl	13.320	172	43631	9.455	ng	0.00
79) Terphenyl-d14	20.053	244	76922	9.835	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.934	128	32864	6.872	ng	99
32) Benzoic acid	10.370	122	69	11.387	ng	# 1
33) 4-Chloroaniline	10.934	127	4497	2.267	ng	# 30
37) 2-Methylnaphthalene	12.538	142	33804	9.554	ng	95
38) 1-Methylnaphthalene	12.755	142	34963	10.149	ng	94
46) 1,1'-Biphenyl	13.531	154	10794	2.309	ng	95
49) Acenaphthylene	14.430	152	15027	2.555	ng	# 90
51) 2,6-Dinitrotoluene	14.700	165	11243	10.889	ng	# 19
52) Acenaphthene	14.765	154	56131	14.971	ng	98
55) Dibenzofuran	15.100	168	65259	10.803	ng	# 93
56) 4-Nitrophenol	15.100	139	22720	31.992	ng	# 1
58) Fluorene	15.746	166	86990	17.539	ng	95
71) Phenanthrene	17.497	178	616713	81.786	ng	97
72) Anthracene	17.579	178	137738	18.705	ng	98
73) Carbazole	17.849	167	59238	9.372	ng	98
75) Fluoranthene	19.506	202	598574	60.470	ng	95
78) Pyrene	19.865	202	539079	56.659	ng	97
81) Benzo(a)anthracene	21.710	228	260184	25.509	ng	95
83) Chrysene	21.710	228	260184	26.761	ng	97
87) Indeno(1,2,3-cd)pyrene	28.760	276	98270	8.174	ng	# 91
88) Benzo(b)fluoranthene	23.966	252	272894	28.172	ng	# 94
89) Benzo(k)fluoranthene	23.966	252	272894	28.454	ng	# 95
90) Benzo(a)pyrene	24.853	252	207206	25.352	ng	# 94
91) Dibenzo(a,h)anthracene	28.807	278	21970	2.210	ng	# 73
92) Benzo(g,h,i)perylene	29.947	276	88915	9.063	ng	# 90

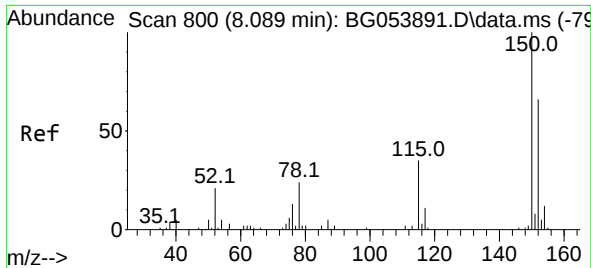
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Jul 01 23:35:50 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
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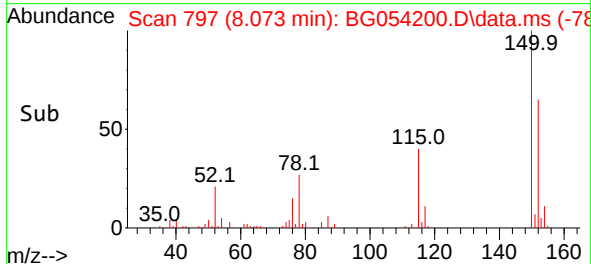
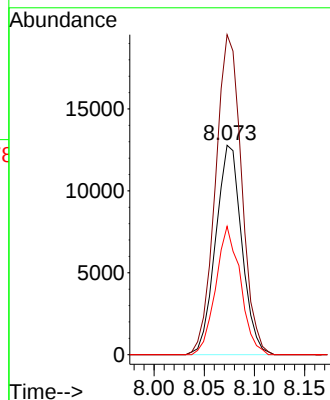
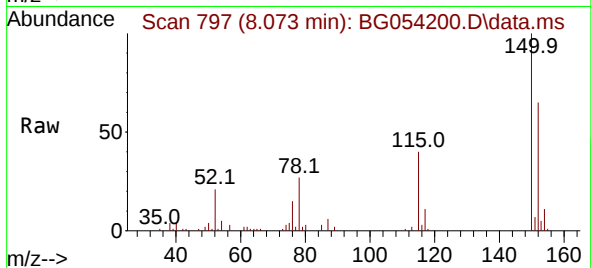




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.073 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

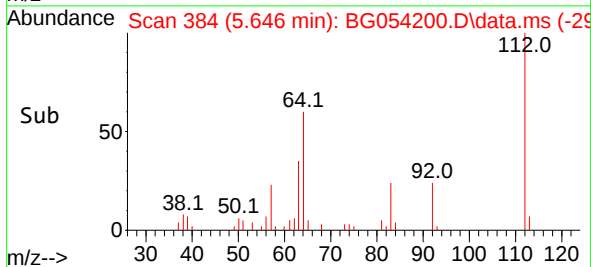
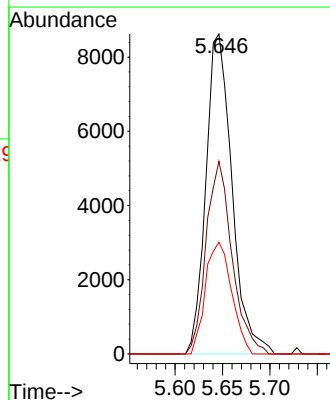
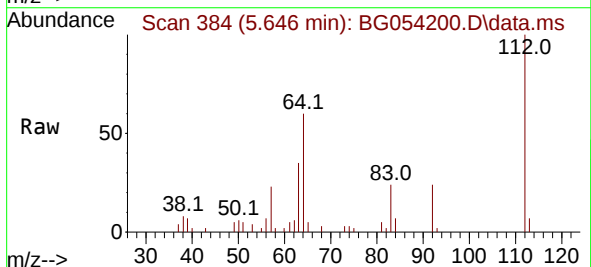
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

Tgt Ion:152 Resp: 23108
Ion Ratio Lower Upper
152 100
150 152.8 131.6 197.4
115 61.3 50.9 76.3



#5
2-Fluorophenol
Concen: 13.691 ng
RT: 5.646 min Scan# 384
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:112 Resp: 16548
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 34.9 30.4 45.6

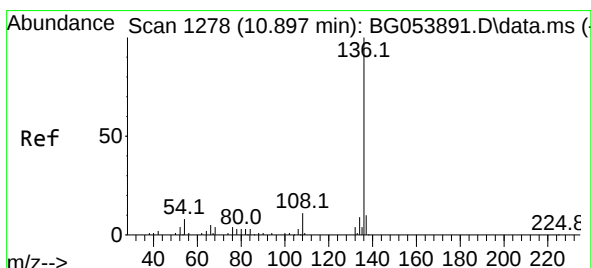
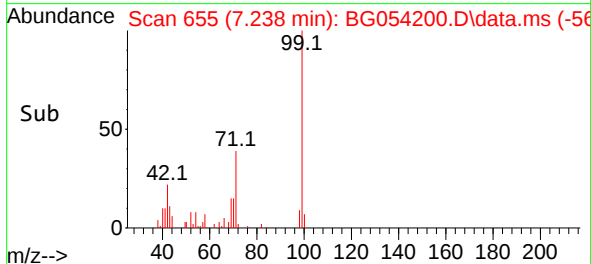
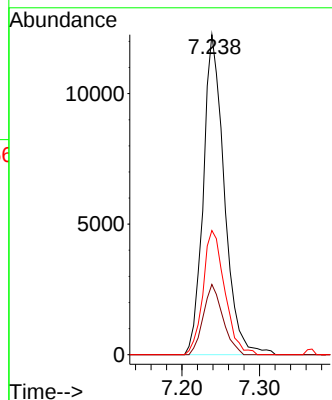
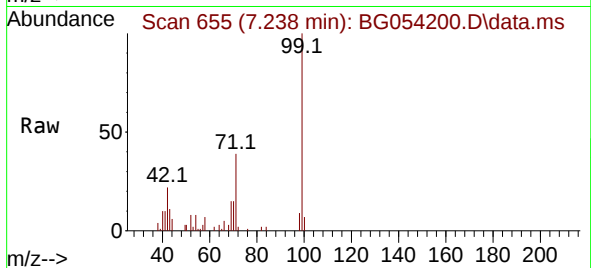




#7
Phenol-d6
Concen: 14.062 ng
RT: 7.238 min Scan# 61
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

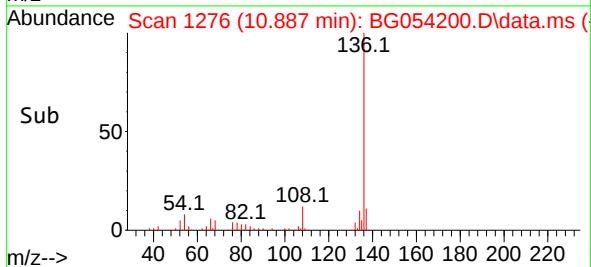
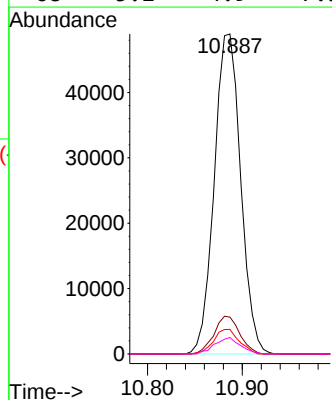
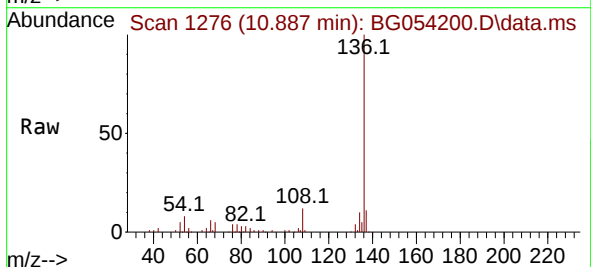
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

Tgt Ion: 99 Resp: 23056
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 38.8 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1276
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion: 136 Resp: 94726
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.7 7.4 11.2
68 5.2 4.9 7.3

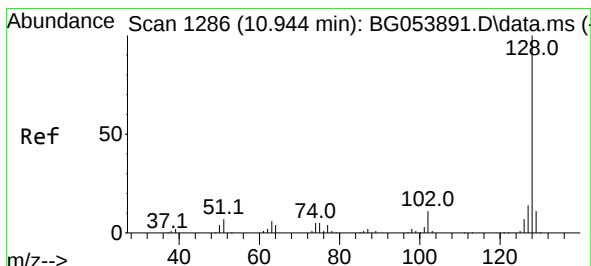
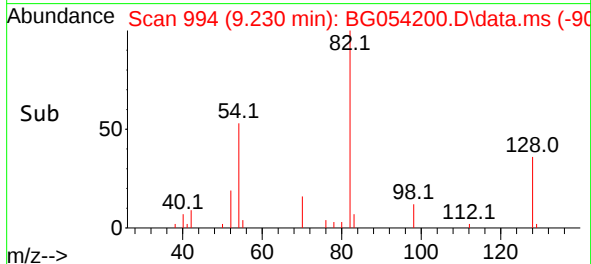
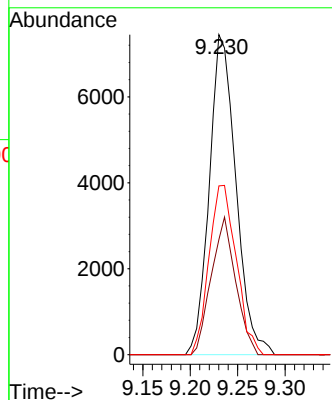
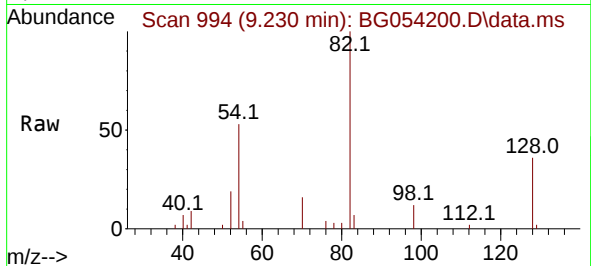




#23
Nitrobenzene-d5
Concen: 8.618 ng
RT: 9.230 min Scan# 994
Delta R.T. -0.004 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

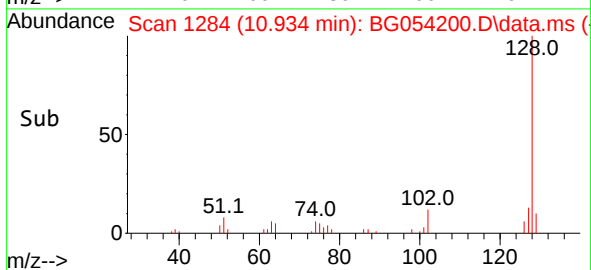
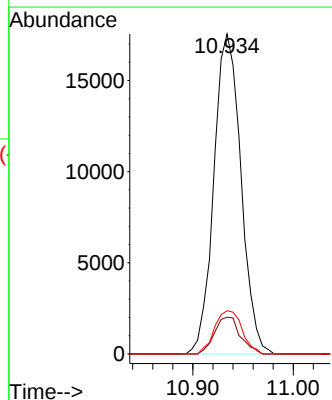
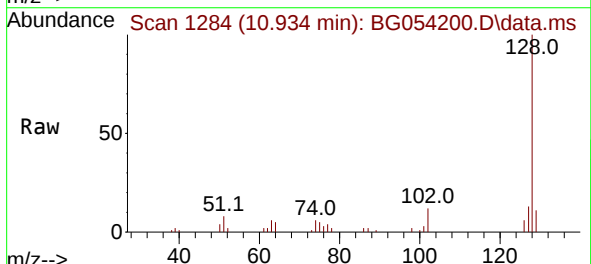
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

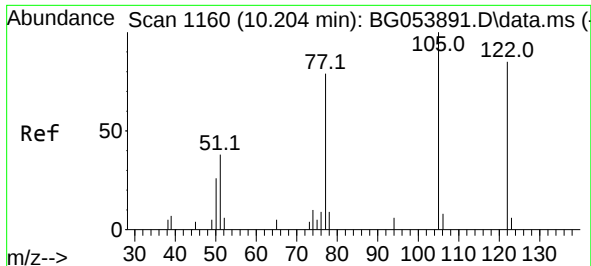
Tgt Ion: 82 Resp: 14527
Ion Ratio Lower Upper
82 100
128 36.0 27.9 41.9
54 52.7 41.2 61.8



#31
Naphthalene
Concen: 6.872 ng
RT: 10.934 min Scan# 1284
Delta R.T. 0.002 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion: 128 Resp: 32864
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.5 11.1 16.7

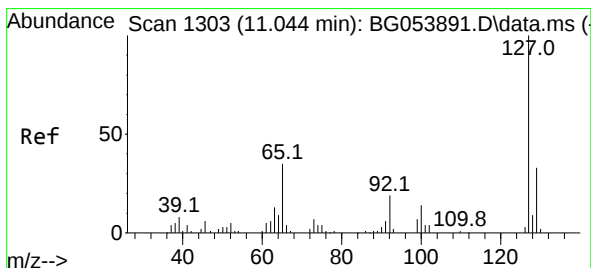
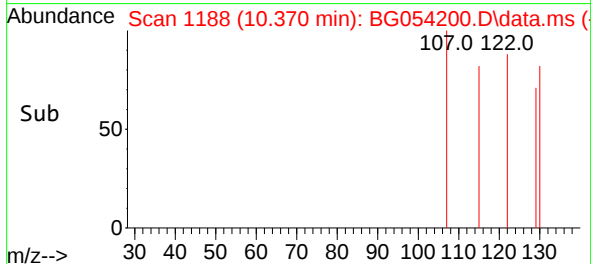
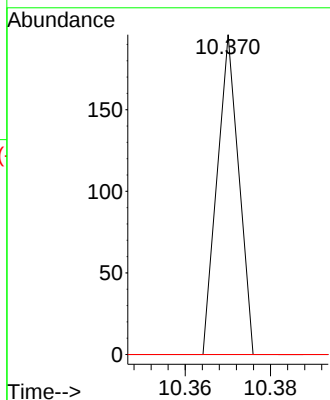
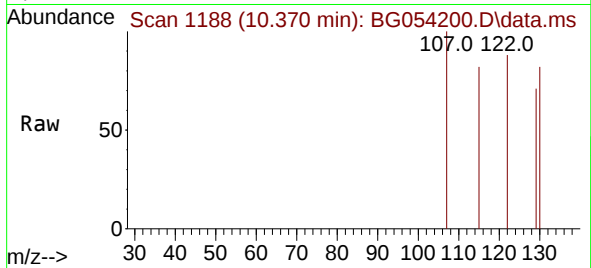




#32
Benzoic acid
Concen: 11.387 ng
RT: 10.370 min Scan# 1160
Delta R.T. 0.173 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

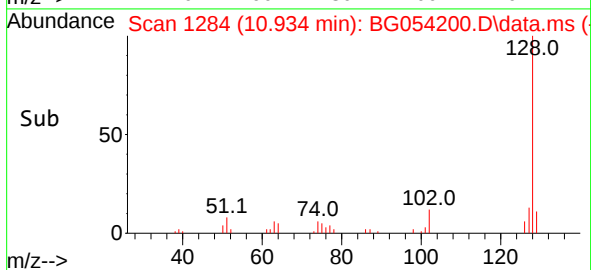
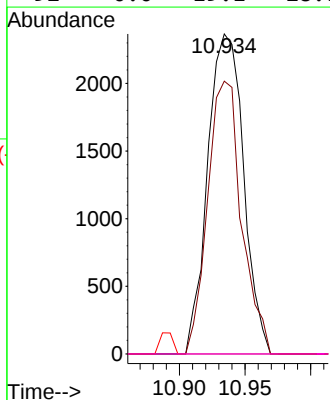
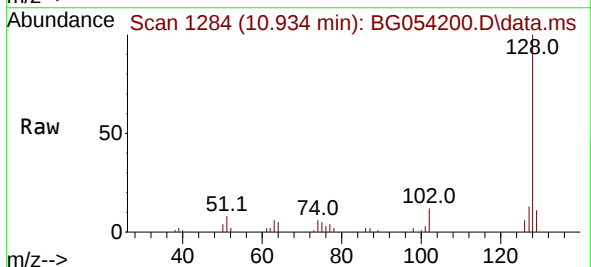
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

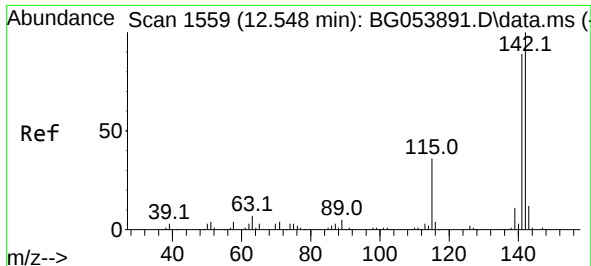
Tgt Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 111.8 151.8#
77 0.0 109.4 149.4#



#33
4-Chloroaniline
Concen: 2.267 ng
RT: 10.934 min Scan# 1284
Delta R.T. -0.098 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:127 Resp: 4497
Ion Ratio Lower Upper
127 100
129 85.2 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#

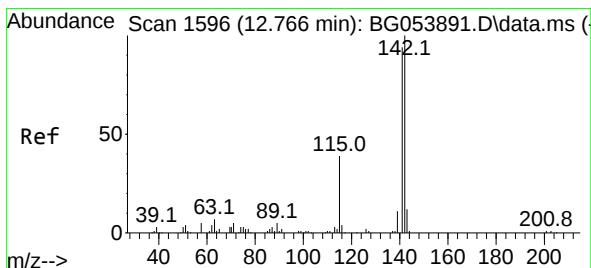
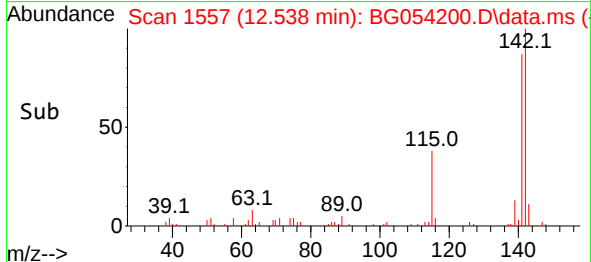
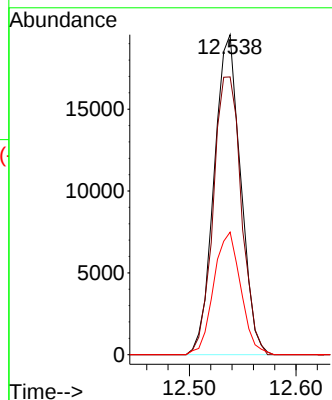
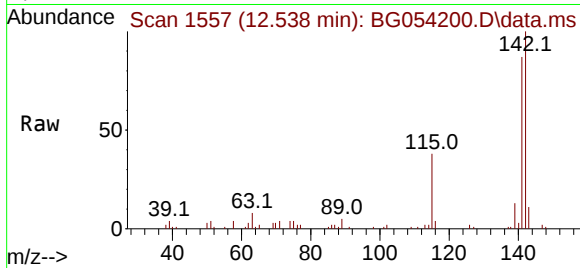




#37
2-Methylnaphthalene
Concen: 9.554 ng
RT: 12.538 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

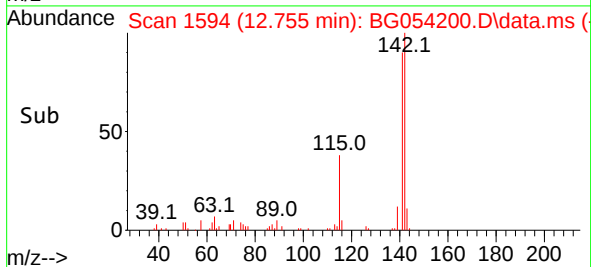
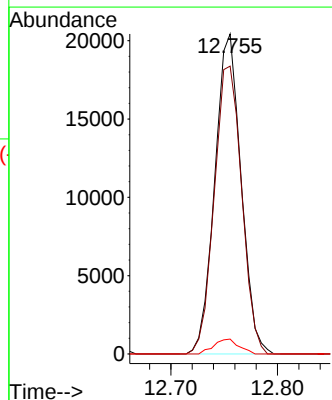
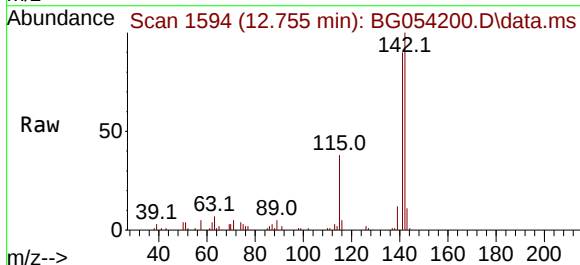
Instrument :
BNA_G
ClientSampleId :
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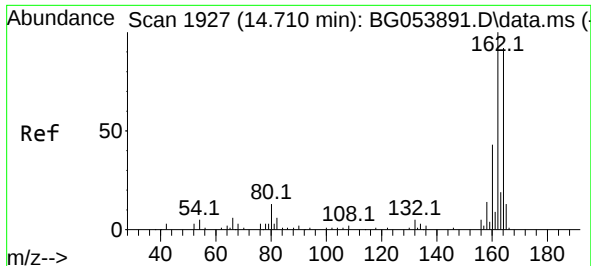
Tgt Ion:142 Resp: 33804
Ion Ratio Lower Upper
142 100
141 86.8 72.3 108.5
115 38.3 33.7 50.5



#38
1-Methylnaphthalene
Concen: 10.149 ng
RT: 12.755 min Scan# 1594
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:142 Resp: 34963
Ion Ratio Lower Upper
142 100
141 89.9 76.4 114.6
116 4.6 3.3 4.9

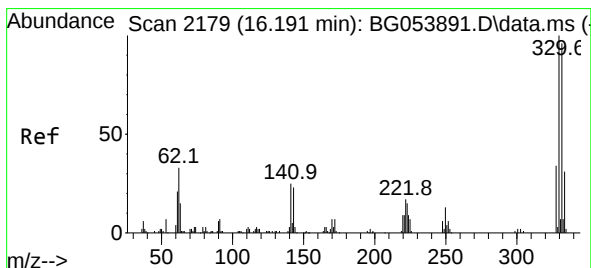
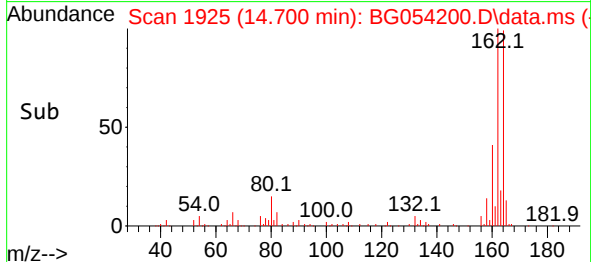
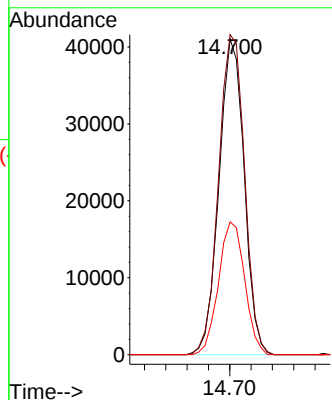
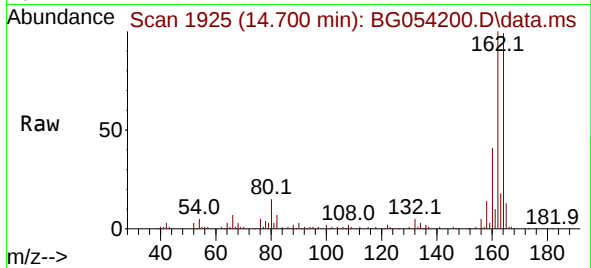




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.700 min Scan# 1927
Delta R.T. 0.002 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

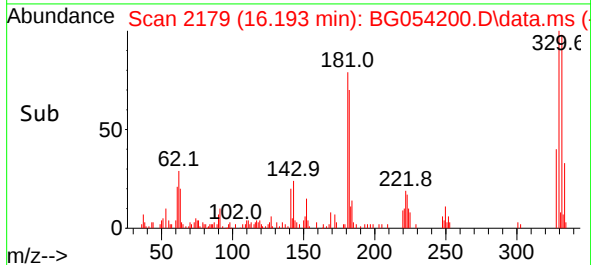
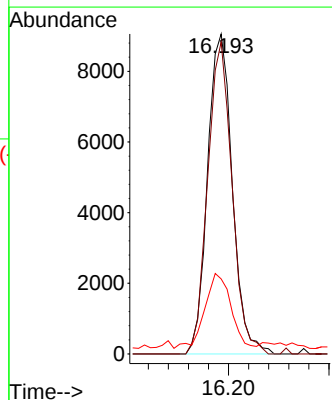
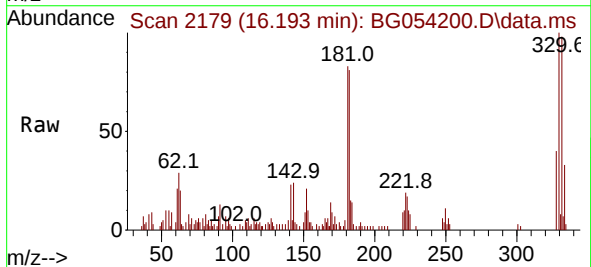
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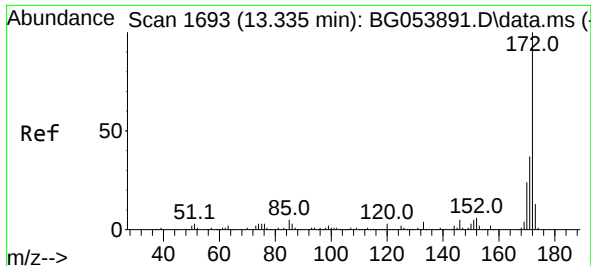
Tgt Ion:164 Resp: 67102
Ion Ratio Lower Upper
164 100
162 101.4 82.3 123.5
160 42.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 14.389 ng
RT: 16.193 min Scan# 2179
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:330 Resp: 15513
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 26.0 27.1 40.7#

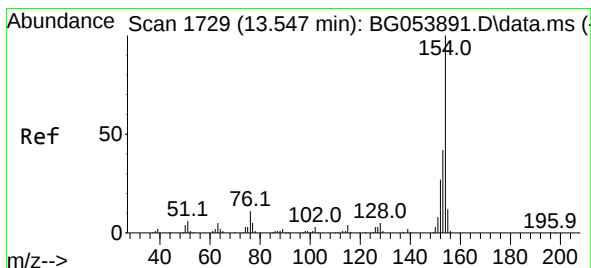
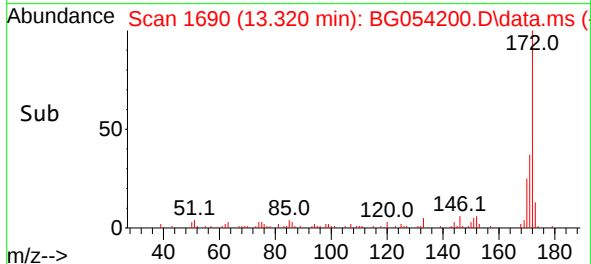
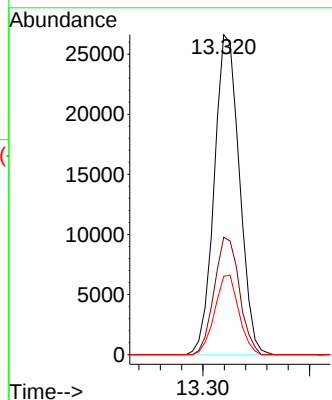
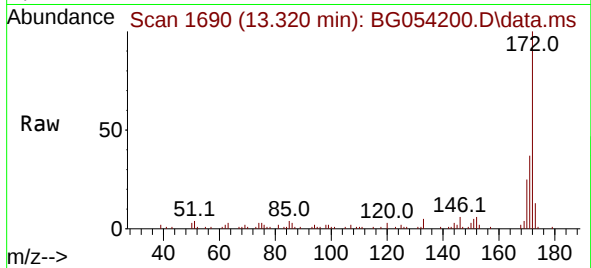




#45
2-Fluorobiphenyl
Concen: 9.455 ng
RT: 13.320 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

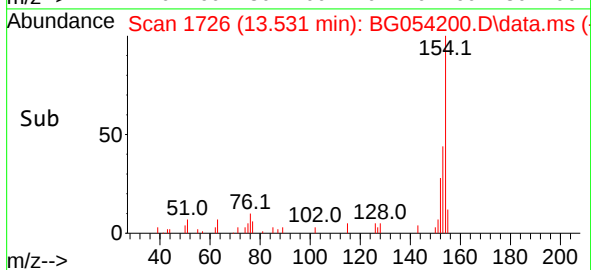
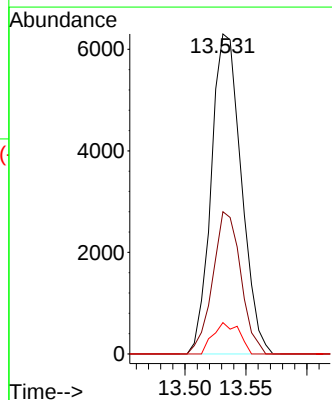
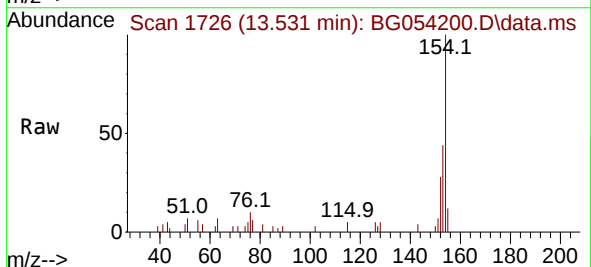
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

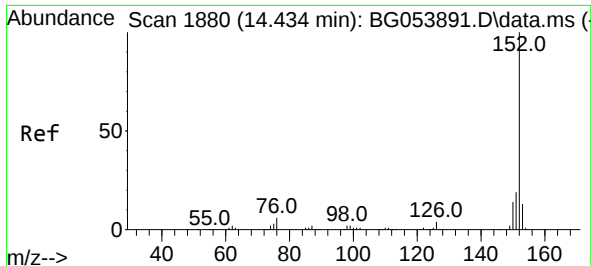
Tgt Ion:172 Resp: 43631
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 2.309 ng
RT: 13.531 min Scan# 1726
Delta R.T. -0.004 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

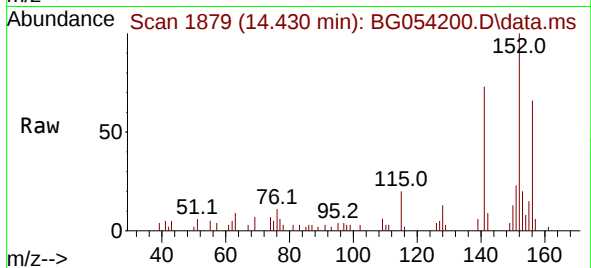
Tgt Ion:154 Resp: 10794
Ion Ratio Lower Upper
154 100
153 44.4 21.6 61.6
76 9.8 0.0 32.6



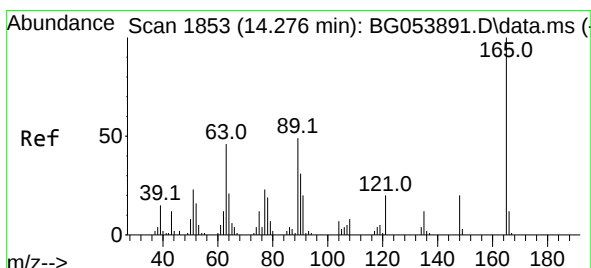
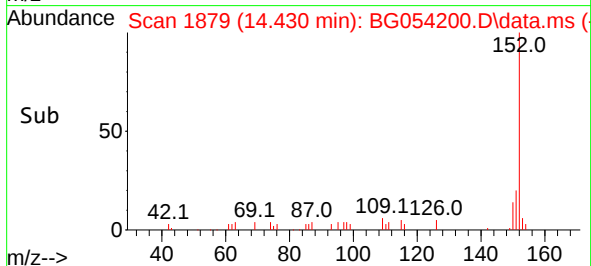
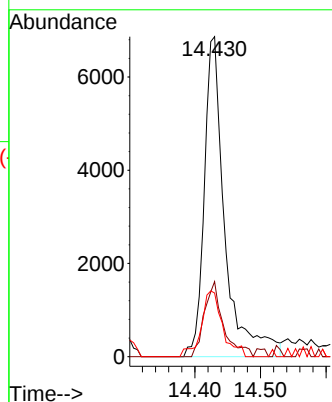


#49
Acenaphthylene
Concen: 2.555 ng
RT: 14.430 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Instrument :
BNA_G
ClientSampleId :
OR-02-063022

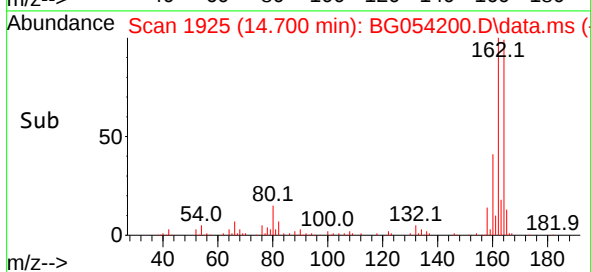
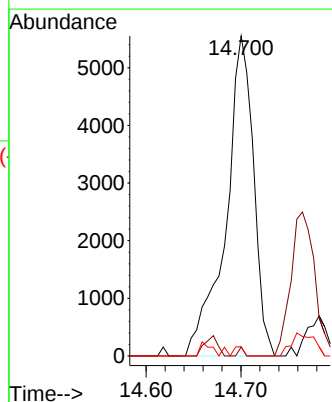
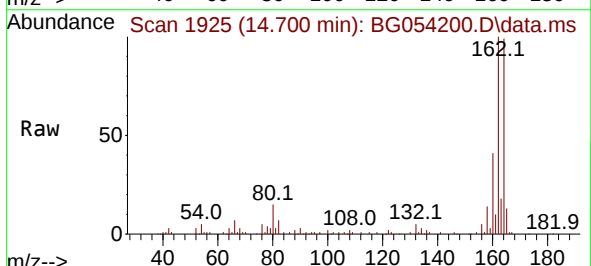


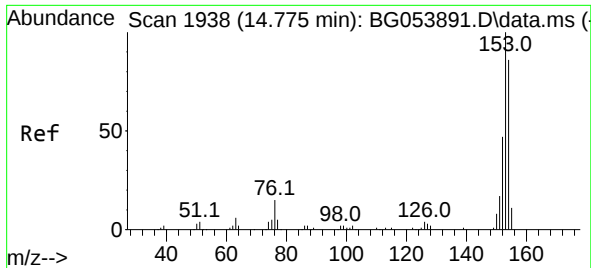
Tgt Ion:152 Resp: 15027
Ion Ratio Lower Upper
152 100
151 23.5 16.4 24.6
153 19.9 10.8 16.2#



#51
2,6-Dinitrotoluene
Concen: 10.889 ng
RT: 14.700 min Scan# 1925
Delta R.T. 0.437 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:165 Resp: 11243
Ion Ratio Lower Upper
165 100
63 2.8 54.1 81.1#
89 2.9 54.8 82.2#

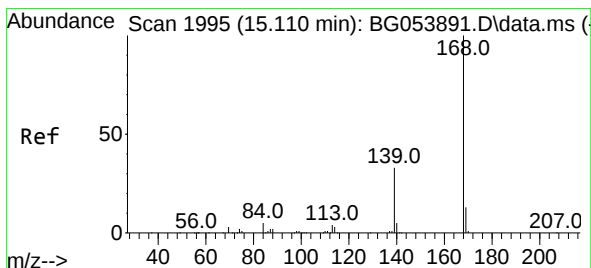
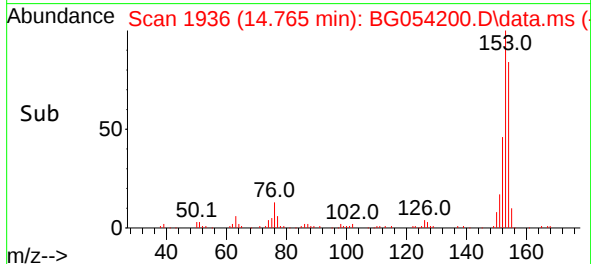
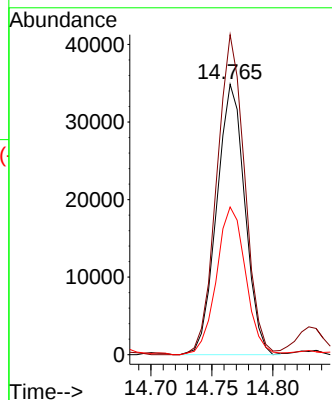
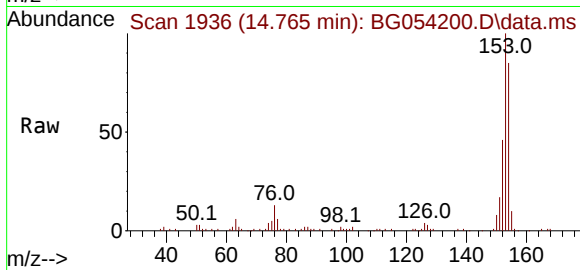




#52
Acenaphthene
Concen: 14.971 ng
RT: 14.765 min Scan# 1936
Delta R.T. 0.002 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

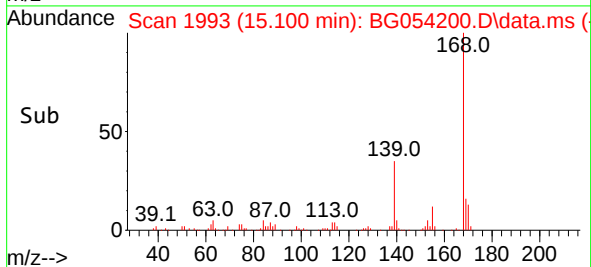
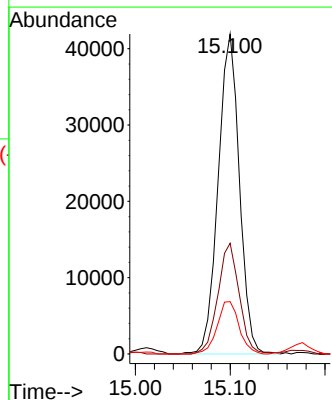
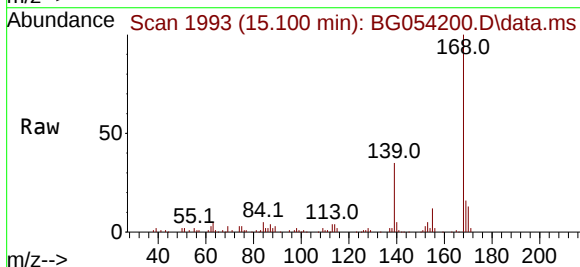
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

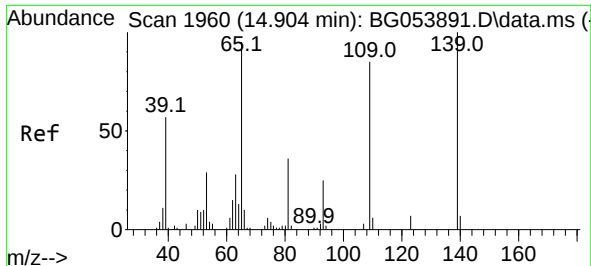
Tgt Ion:154 Resp: 56131
Ion Ratio Lower Upper
154 100
153 118.3 92.7 139.1
152 54.6 42.6 64.0



#55
Dibenzofuran
Concen: 10.803 ng
RT: 15.100 min Scan# 1993
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:168 Resp: 65259
Ion Ratio Lower Upper
168 100
139 34.6 30.5 45.7
169 16.3 10.3 15.5#

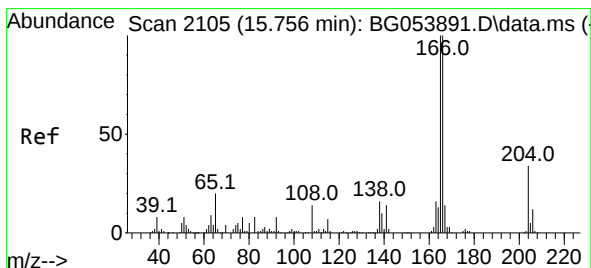
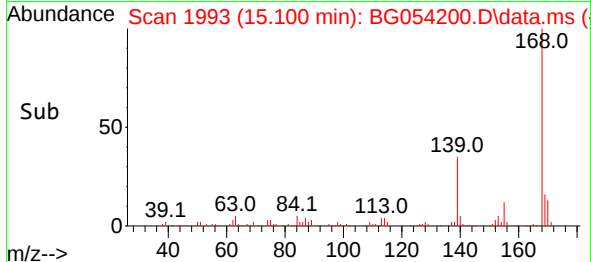
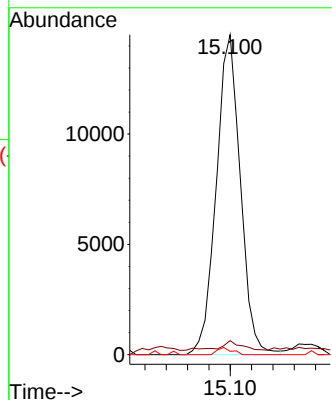
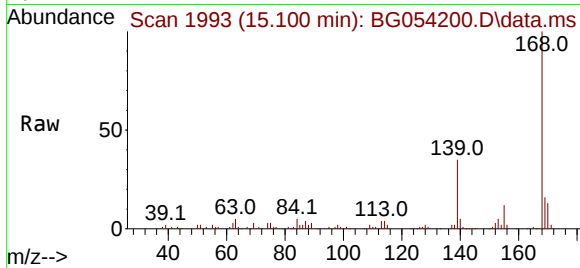




#56
4-Nitrophenol
Concen: 31.992 ng
RT: 15.100 min Scan# 1960
Delta R.T. 0.202 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

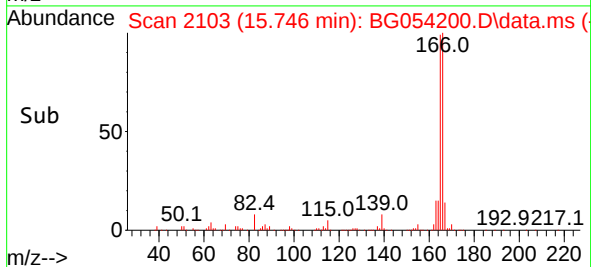
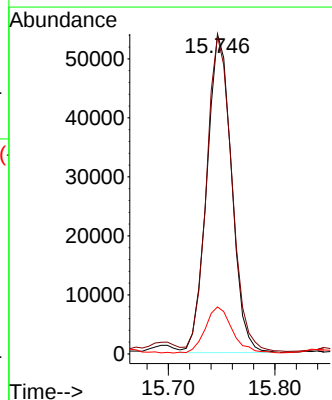
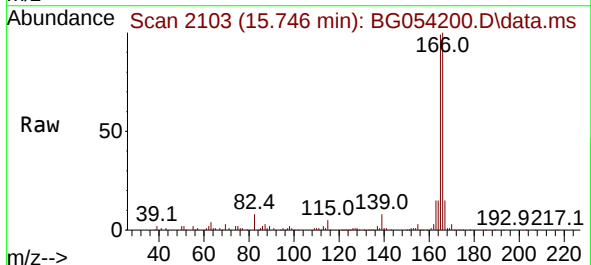
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

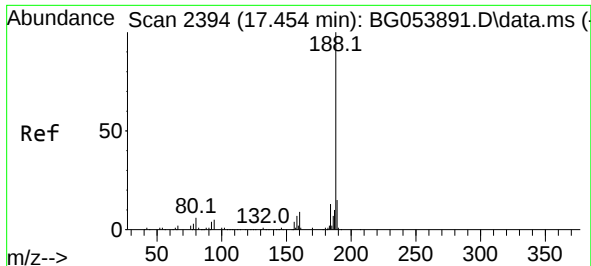
Tgt Ion:139 Resp: 22720
Ion Ratio Lower Upper
139 100
109 4.4 88.5 128.5#
65 1.0 93.9 133.9#



#58
Fluorene
Concen: 17.539 ng
RT: 15.746 min Scan# 2103
Delta R.T. 0.002 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:166 Resp: 86990
Ion Ratio Lower Upper
166 100
165 99.4 75.0 112.6
167 14.7 10.8 16.2

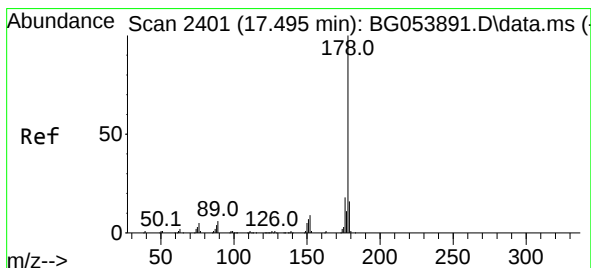
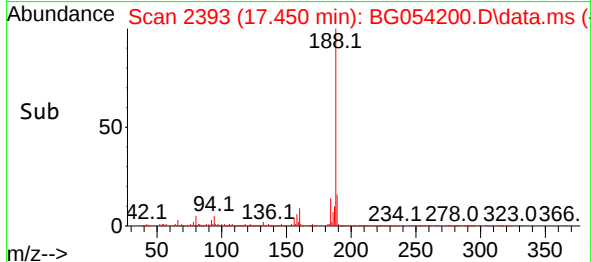
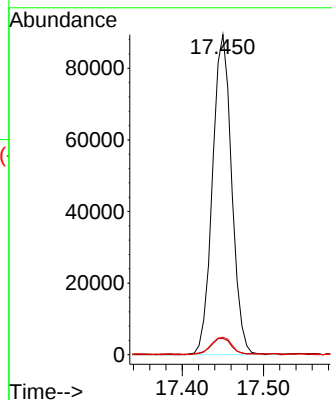
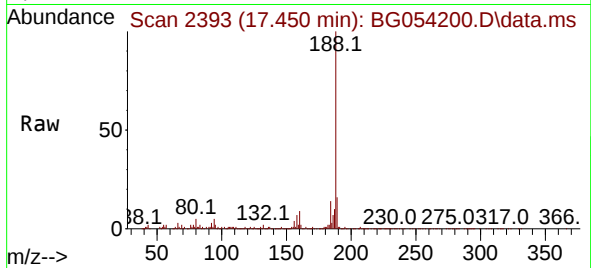




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.450 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

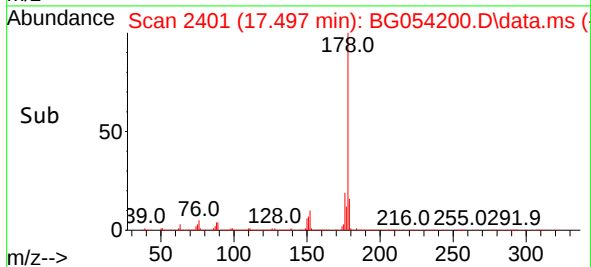
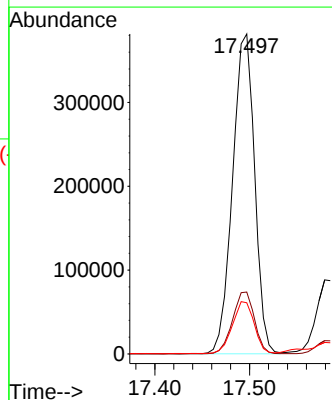
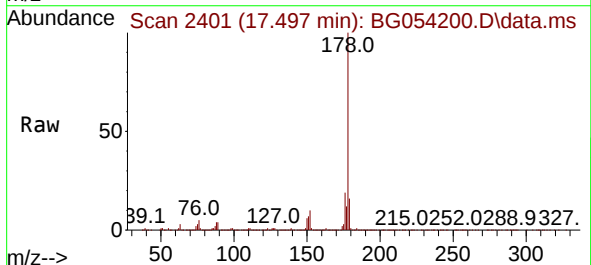
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

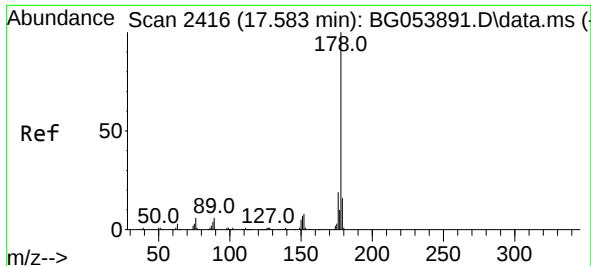
Tgt Ion:188 Resp: 146769
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 5.5 6.8 10.2#



#71
Phenanthrene
Concen: 81.786 ng
RT: 17.497 min Scan# 2401
Delta R.T. 0.014 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:178 Resp: 616713
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 16.0 12.1 18.1

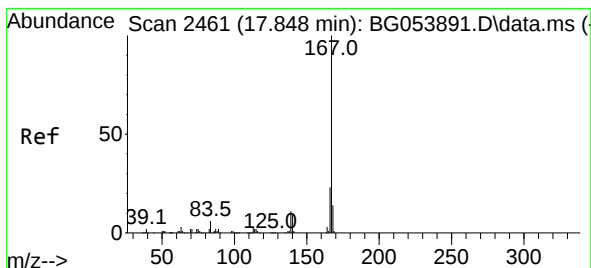
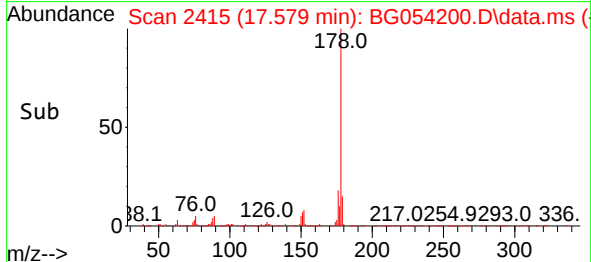
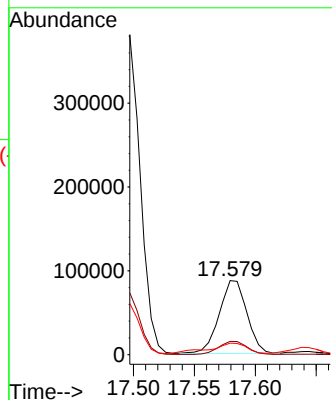
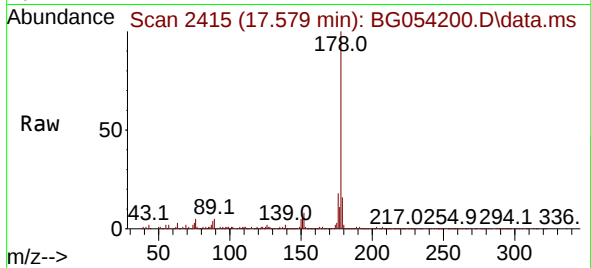




#72
 Anthracene
 Concen: 18.705 ng
 RT: 17.579 min Scan# 2416
 Delta R.T. 0.002 min
 Lab File: BG054200.D
 Acq: 1 Jul 2022 20:54

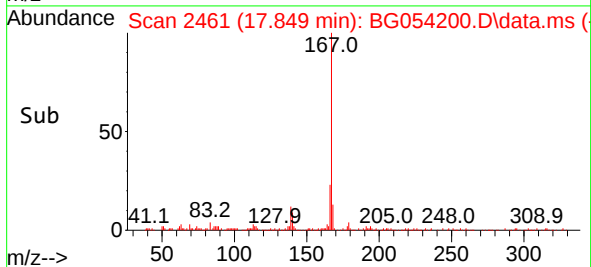
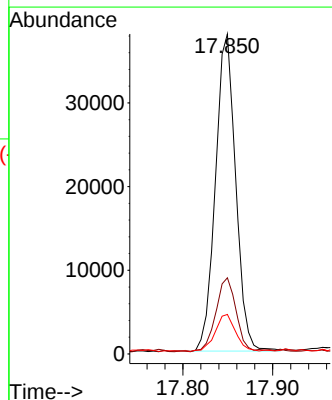
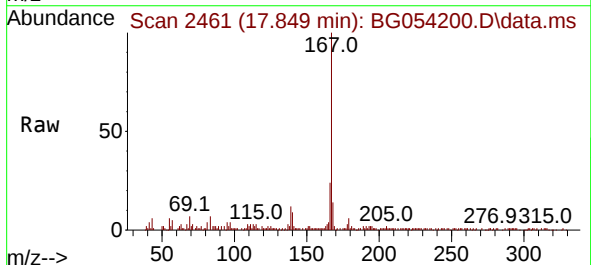
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-063022

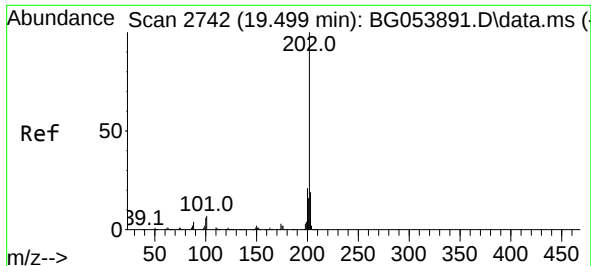
Tgt Ion:178 Resp: 137738
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.2 22.8
 179 15.6 13.0 19.4



#73
 Carbazole
 Concen: 9.372 ng
 RT: 17.849 min Scan# 2461
 Delta R.T. 0.008 min
 Lab File: BG054200.D
 Acq: 1 Jul 2022 20:54

Tgt Ion:167 Resp: 59238
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 12.3 10.1 15.1

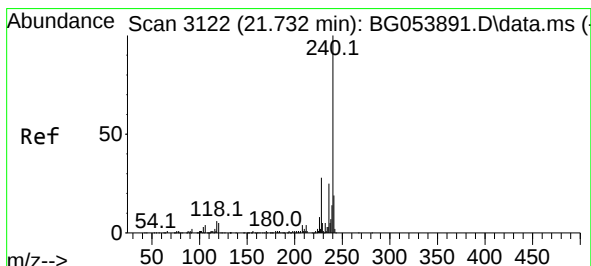
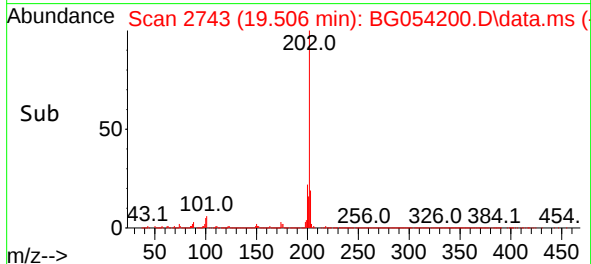
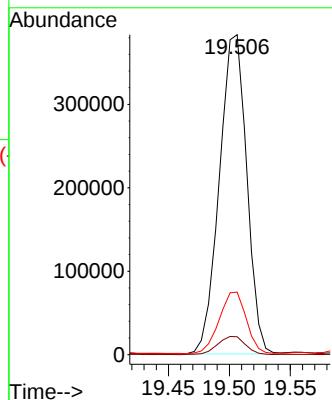
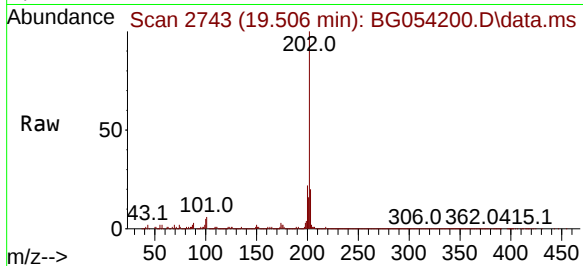




#75
Fluoranthene
Concen: 60.470 ng
RT: 19.506 min Scan# 21
Delta R.T. 0.014 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

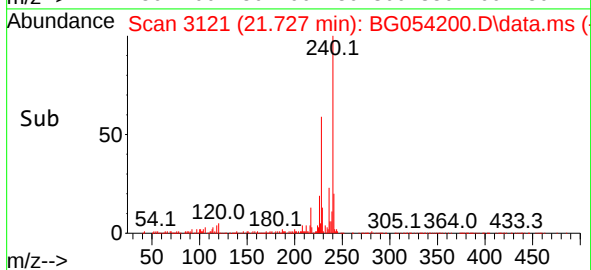
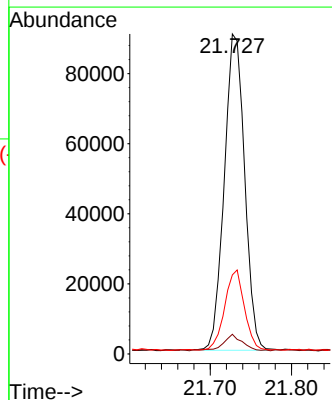
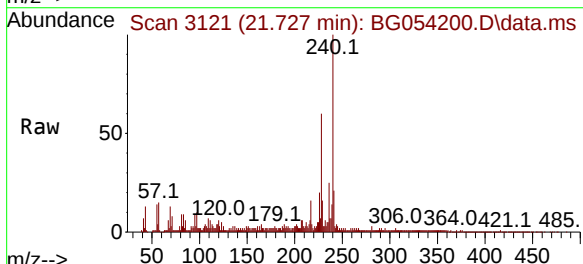
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

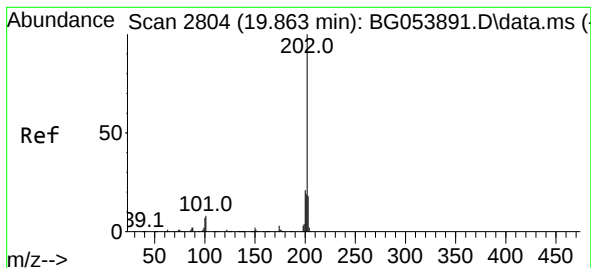
Tgt Ion:202 Resp: 598574
Ion Ratio Lower Upper
202 100
101 5.6 0.0 26.9
203 19.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3121
Delta R.T. 0.008 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:240 Resp: 157531
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 24.7 20.2 30.4





#78

Pyrene

Concen: 56.659 ng

RT: 19.865 min Scan# 2

Delta R.T. 0.014 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

Instrument :

BNA_G

ClientSampleId :

OR-02-063022

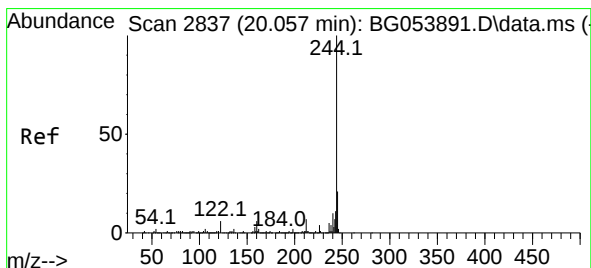
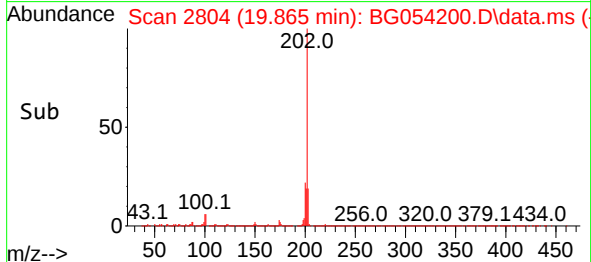
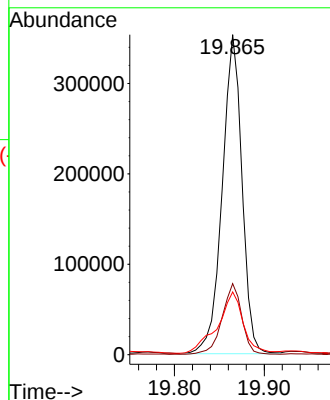
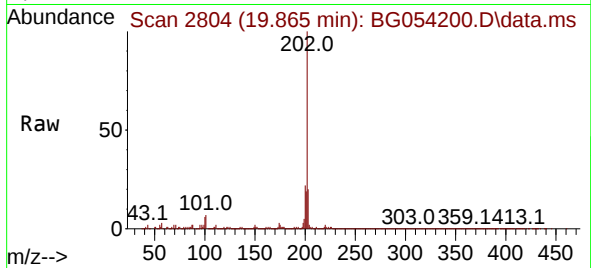
Tgt Ion:202 Resp: 539079

Ion Ratio Lower Upper

202 100

200 22.2 16.6 24.8

203 19.6 14.6 21.8



#79

Terphenyl-d14

Concen: 9.835 ng

RT: 20.053 min Scan# 2836

Delta R.T. 0.008 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

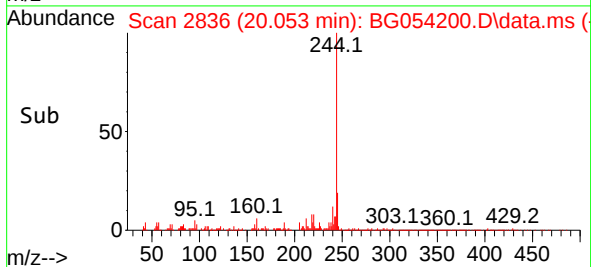
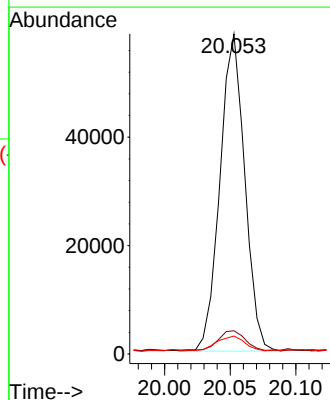
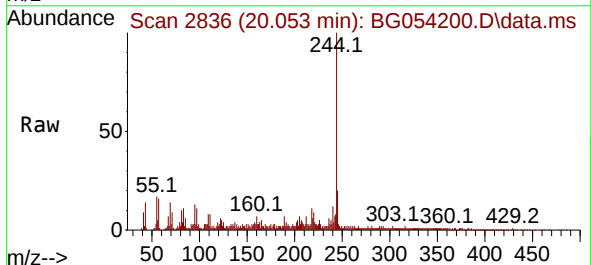
Tgt Ion:244 Resp: 76922

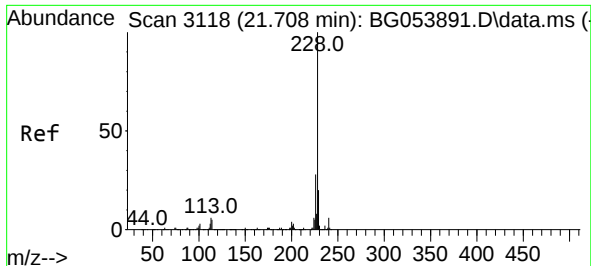
Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 5.6 5.0 7.4

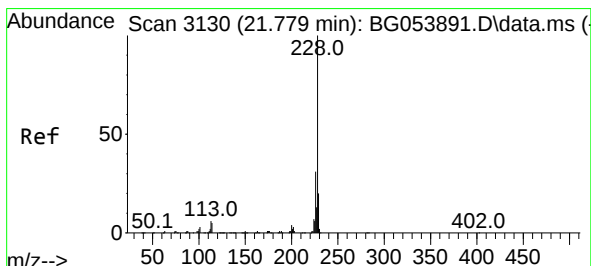
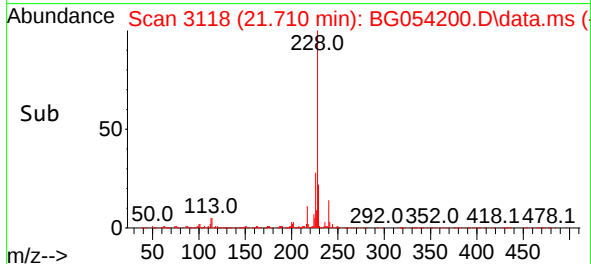
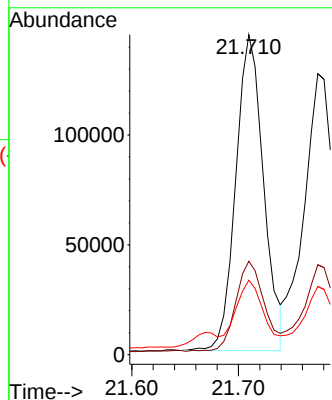
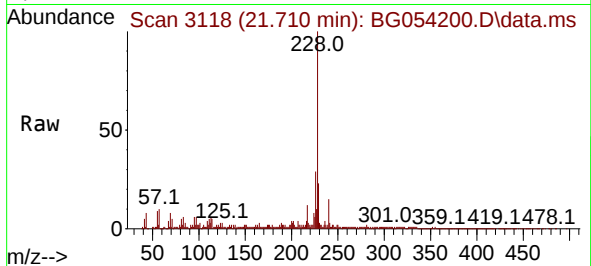




#81
Benzo(a)anthracene
Concen: 25.509 ng
RT: 21.710 min Scan# 3118
Delta R.T. 0.014 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

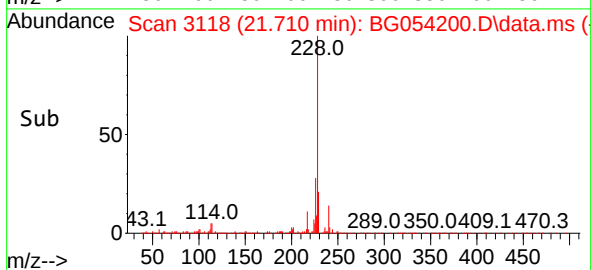
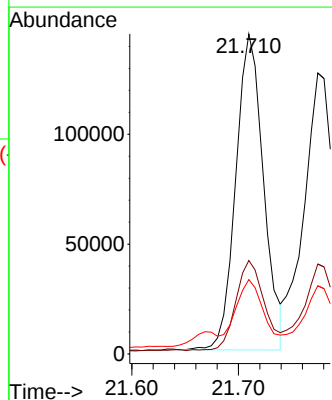
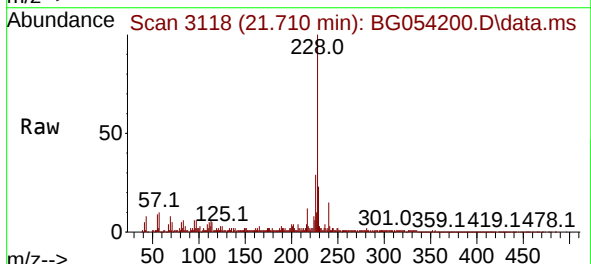
Instrument :
BNA_G
ClientSampleId :
OR-02-063022

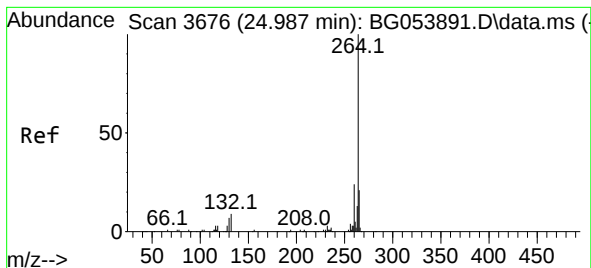
Tgt Ion:228 Resp: 260184
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 23.3 16.2 24.2



#83
Chrysene
Concen: 26.761 ng
RT: 21.710 min Scan# 3118
Delta R.T. -0.051 min
Lab File: BG054200.D
Acq: 1 Jul 2022 20:54

Tgt Ion:228 Resp: 260184
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 23.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.012 min Scan# 3

Delta R.T. 0.049 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

Instrument :

BNA_G

ClientSampleId :

OR-02-063022

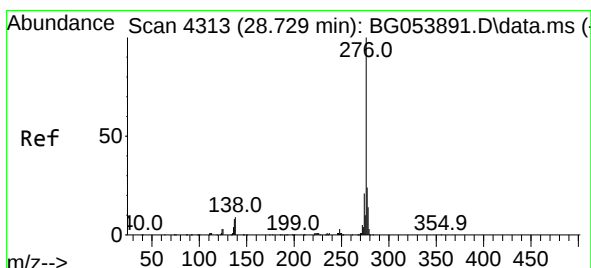
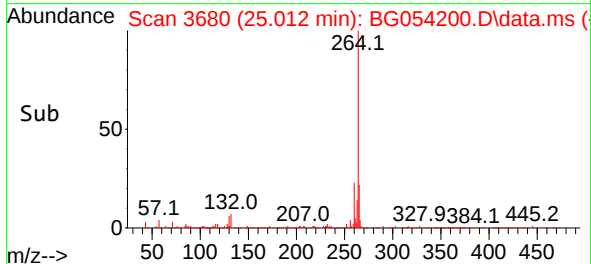
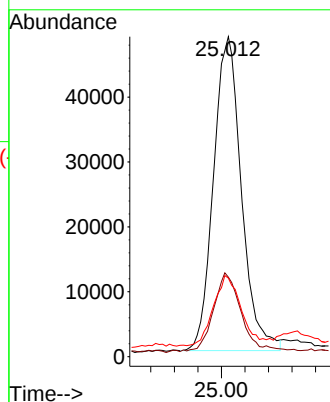
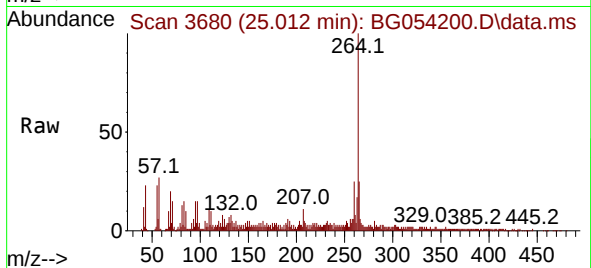
Tgt Ion:264 Resp: 159315

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 24.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.174 ng

RT: 28.760 min Scan# 4318

Delta R.T. 0.073 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

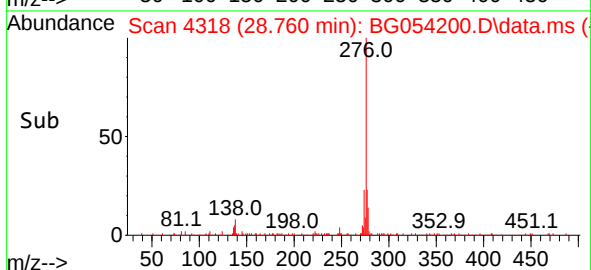
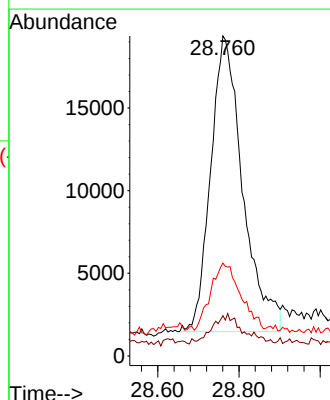
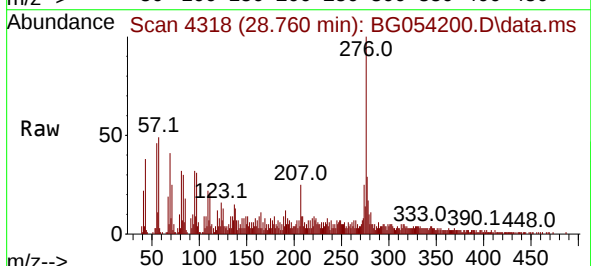
Tgt Ion:276 Resp: 98270

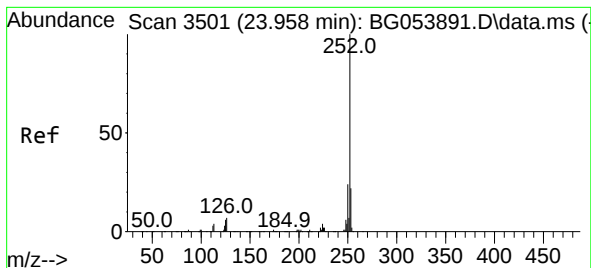
Ion Ratio Lower Upper

276 100

138 3.5 5.0 7.4#

277 21.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 28.172 ng

RT: 23.966 min Scan# 3502

Delta R.T. 0.032 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

Instrument :

BNA_G

ClientSampleId :

OR-02-063022

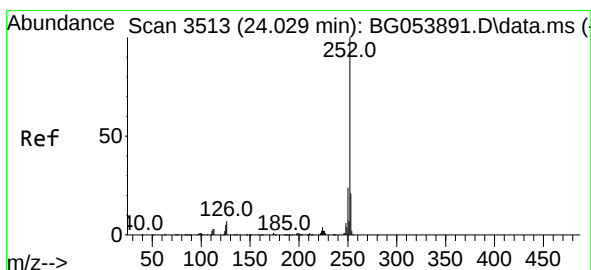
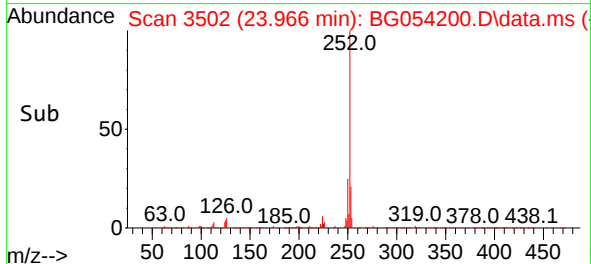
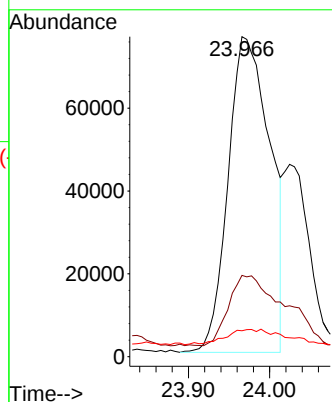
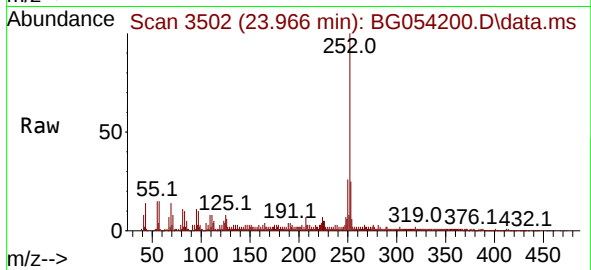
Tgt Ion:252 Resp: 272894

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

125 8.1 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 28.454 ng

RT: 23.966 min Scan# 3502

Delta R.T. -0.039 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

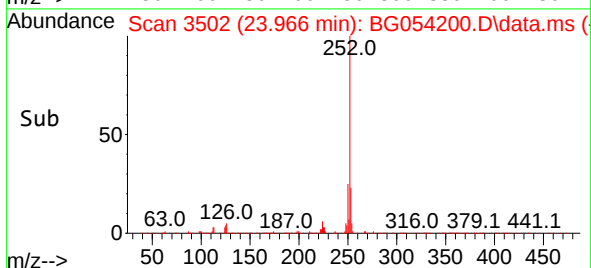
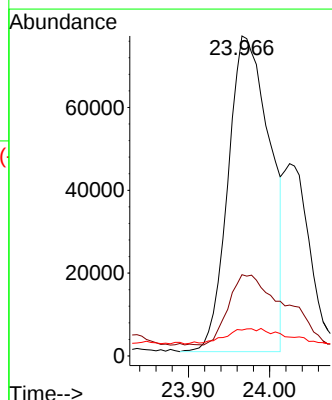
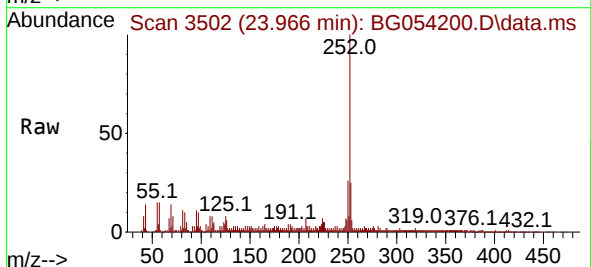
Tgt Ion:252 Resp: 272894

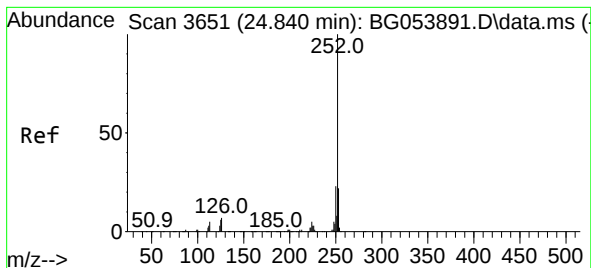
Ion Ratio Lower Upper

252 100

253 25.4 18.4 27.6

125 8.1 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 25.352 ng

RT: 24.853 min Scan# 3

Delta R.T. 0.038 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

Instrument :

BNA_G

ClientSampleId :

OR-02-063022

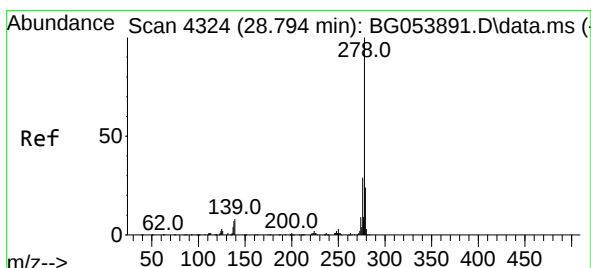
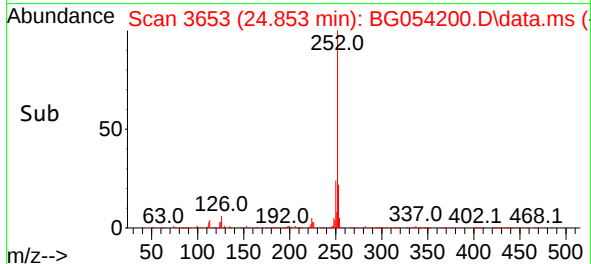
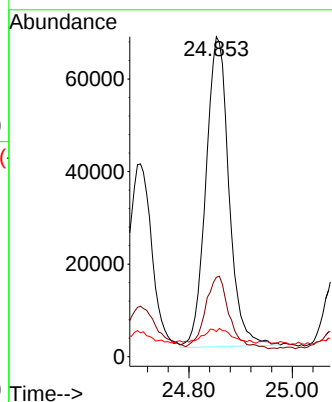
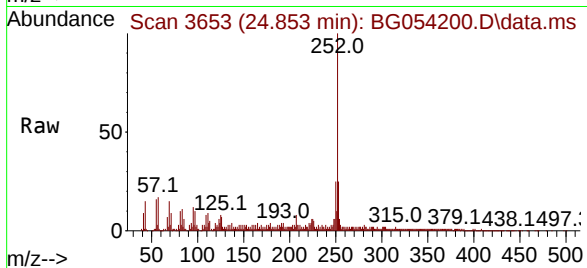
Tgt Ion:252 Resp: 207206

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

125 7.8 4.3 6.5#



#91

Dibenzo(a,h)anthracene

Concen: 2.210 ng

RT: 28.807 min Scan# 4326

Delta R.T. 0.061 min

Lab File: BG054200.D

Acq: 1 Jul 2022 20:54

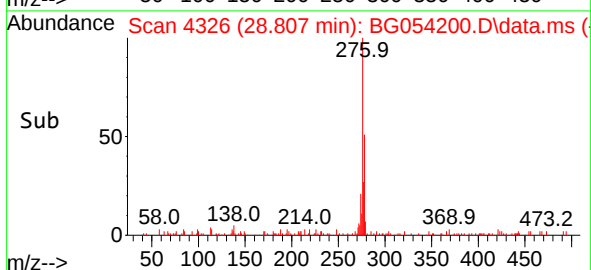
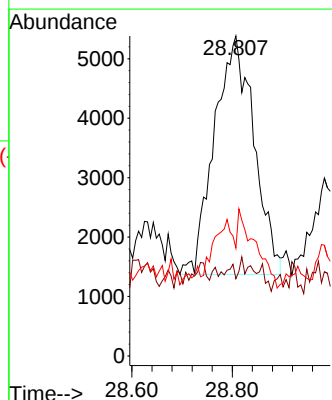
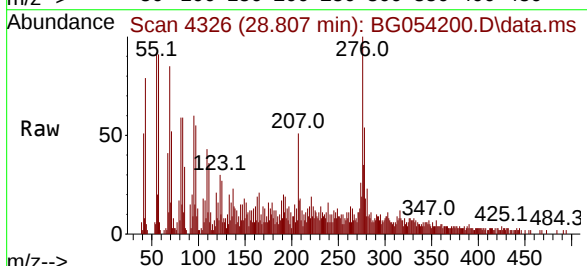
Tgt Ion:278 Resp: 21970

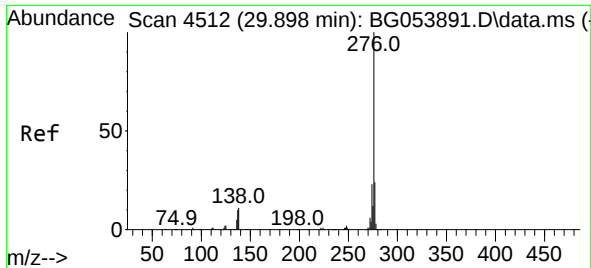
Ion Ratio Lower Upper

278 100

139 24.1 7.2 10.8#

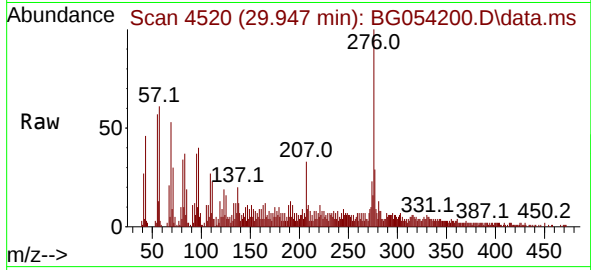
279 33.7 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 9.063 ng
 RT: 29.947 min Scan# 4
 Delta R.T. 0.085 min
 Lab File: BG054200.D
 Acq: 1 Jul 2022 20:54

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-063022



Tgt Ion:276 Resp: 88915
 Ion Ratio Lower Upper
 276 100
 277 28.8 17.3 25.9#
 138 11.5 9.6 14.4

