

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054199.D
 Acq On : 1 Jul 2022 20:14
 Operator : CG/JU
 Sample : N3564-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-5

Quant Time: Jul 01 23:35:41 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)

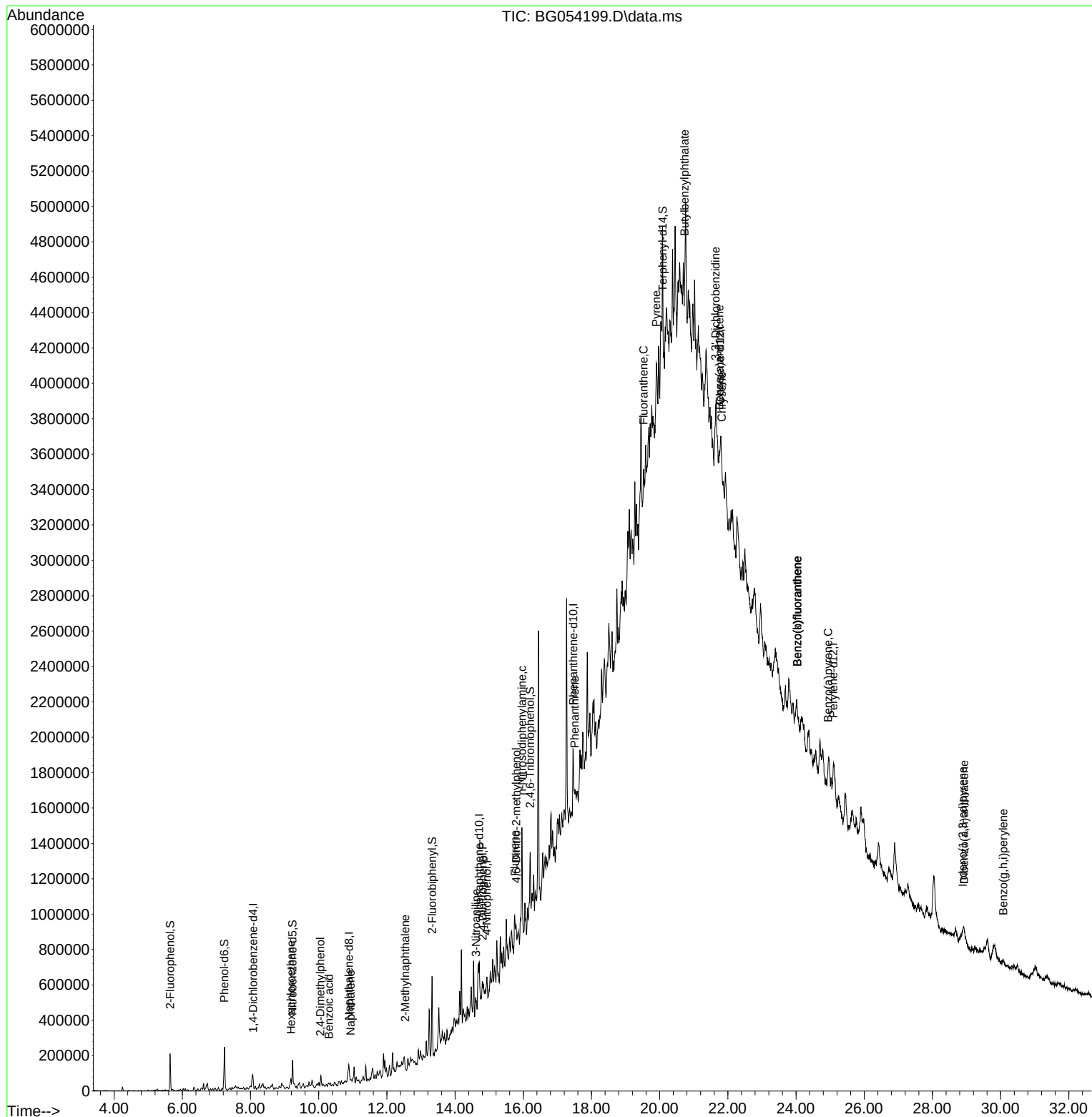
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	21002	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	80571	20.000	ng	0.00
39) Acenaphthene-d10	14.709	164	51358	20.000	ng	0.01
64) Phenanthrene-d10	17.465	188	110104	20.000	ng	# 0.02
76) Chrysene-d12	21.771	240	129317	20.000	ng	# 0.05
86) Perylene-d12	25.097	264	139524	20.000	ng	# 0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	101886	92.752	ng	0.00
7) Phenol-d6	7.235	99	138525	92.959	ng	0.00
23) Nitrobenzene-d5	9.233	82	96157	67.067	ng	0.00
42) 2,4,6-Tribromophenol	16.201	330	86859	105.264	ng	0.02
45) 2-Fluorobiphenyl	13.328	172	248935	70.483	ng	0.00
79) Terphenyl-d14	20.085	244	424980	66.190	ng	0.04
Target Compounds						Qvalue
18) Hexachloroethane	9.186	117	1864	3.806	ng	# 1
27) 2,4-Dimethylphenol	10.050	122	2118	2.098	ng	83
31) Naphthalene	10.937	128	8717	2.143	ng	# 85
32) Benzoic acid	10.296	122	301	11.809	ng	# 1
37) 2-Methylnaphthalene	12.535	142	6358	2.113	ng	# 90
53) 3-Nitroaniline	14.615	138	2283	2.982	ng	# 16
54) 2,4-Dinitrophenol	14.809	184	256	7.586	ng	# 1
56) 4-Nitrophenol	14.926	139	2027	3.729	ng	# 1
58) Fluorene	15.755	166	13525	3.563	ng	# 41
65) 4,6-Dinitro-2-methylph...	15.796	198	1273	2.317	ng	# 1
66) n-Nitrosodiphenylamine	15.966	169	42680	14.874	ng	# 44
71) Phenanthrene	17.506	178	36841	6.513	ng	# 44
75) Fluoranthene	19.527	202	41583	5.600	ng	# 29
78) Pyrene	19.897	202	87047	11.145	ng	# 56
80) Butylbenzylphthalate	20.731	149	13859	5.536	ng	# 16
81) Benzo(a)anthracene	21.754	228	50808	6.068	ng	# 16
82) 3,3'-Dichlorobenzidine	21.642	252	5262	2.103	ng	# 68
83) Chrysene	21.824	228	130983	16.411	ng	# 44
87) Indeno(1,2,3-cd)pyrene	28.886	276	40539	3.850	ng	# 78
88) Benzo(b)fluoranthene	24.039	252	67193	7.921	ng	# 8
89) Benzo(k)fluoranthene	24.039	252	67193	8.000	ng	# 9
90) Benzo(a)pyrene	24.938	252	76977	10.754	ng	# 42
91) Dibenzo(a,h)anthracene	28.928	278	38429	4.414	ng	# 22
92) Benzo(g,h,i)perylene	30.079	276	66961	7.793	ng	# 79

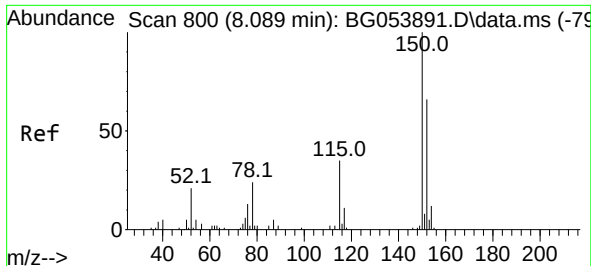
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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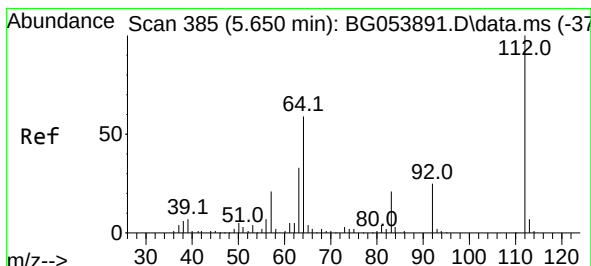
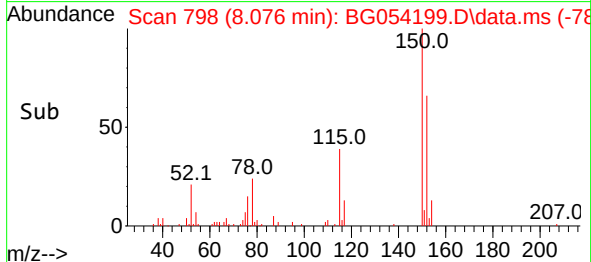
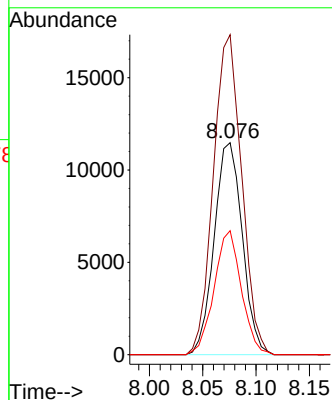
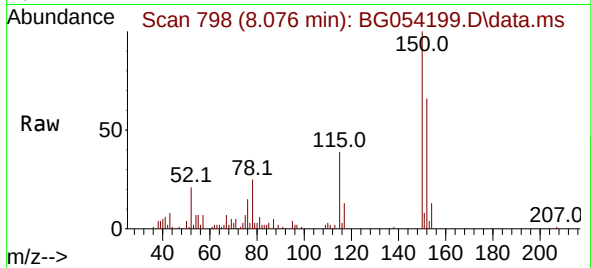




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

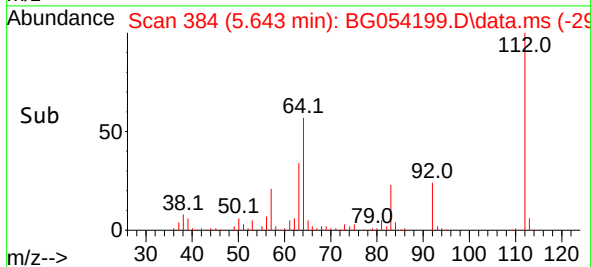
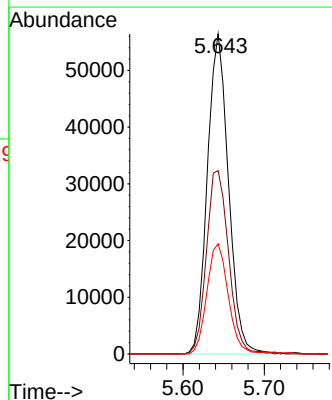
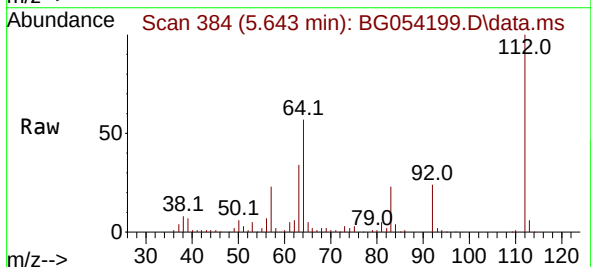
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

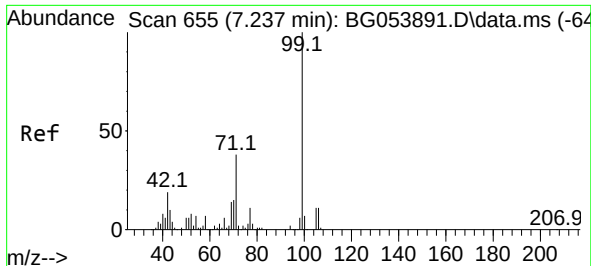
Tgt Ion:152 Resp: 21002
Ion Ratio Lower Upper
152 100
150 151.0 131.6 197.4
115 58.5 50.9 76.3



#5
2-Fluorophenol
Concen: 92.752 ng
RT: 5.643 min Scan# 384
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:112 Resp: 101886
Ion Ratio Lower Upper
112 100
64 57.3 55.1 82.7
63 34.4 30.4 45.6

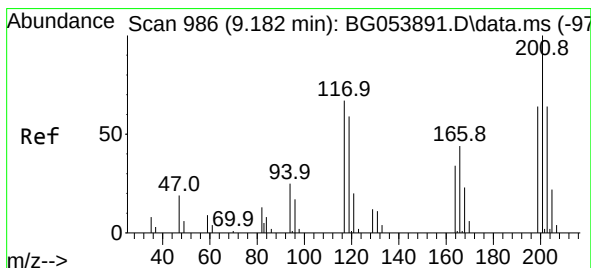
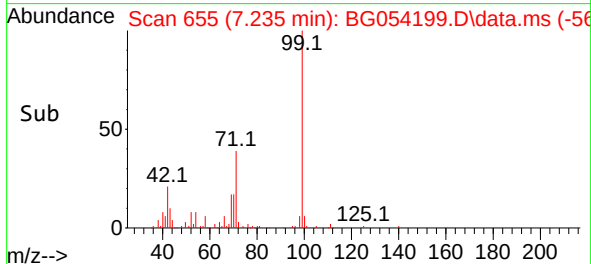
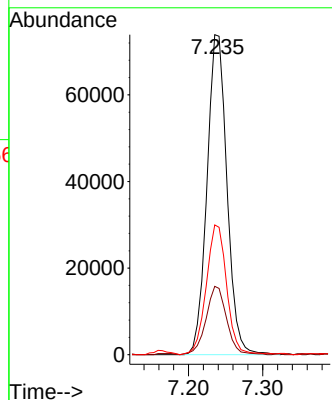
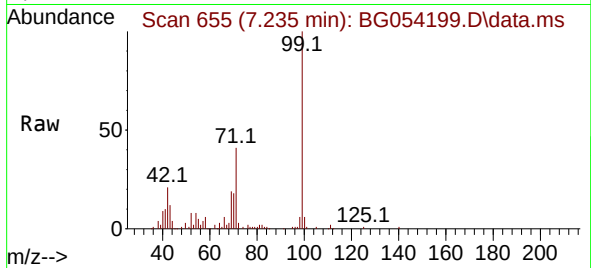




#7
Phenol-d6
Concen: 92.959 ng
RT: 7.235 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

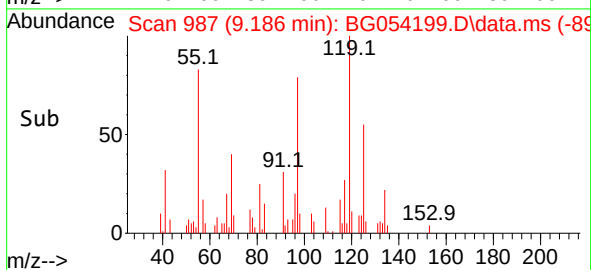
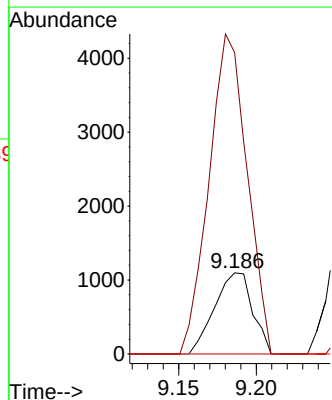
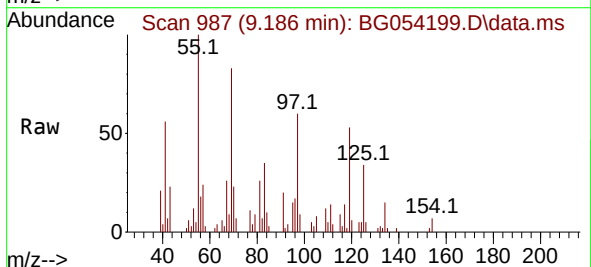
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

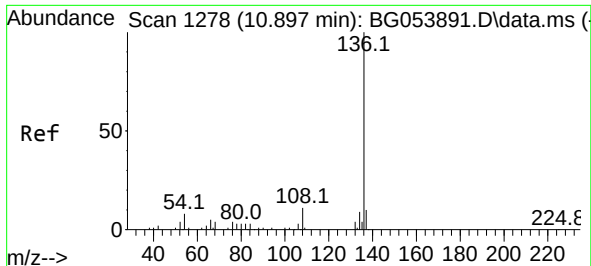
Tgt Ion: 99 Resp: 138525
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 40.5 33.8 50.8



#18
Hexachloroethane
Concen: 3.806 ng
RT: 9.186 min Scan# 987
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion: 117 Resp: 1864
Ion Ratio Lower Upper
117 100
119 371.6 75.0 112.6#
201 0.0 89.0 133.6#

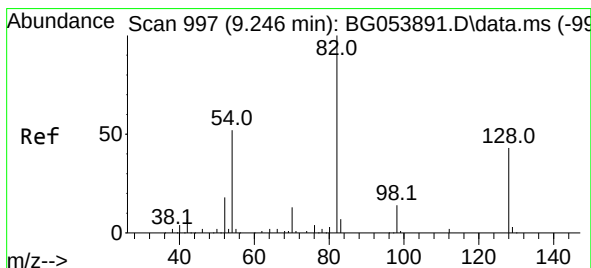
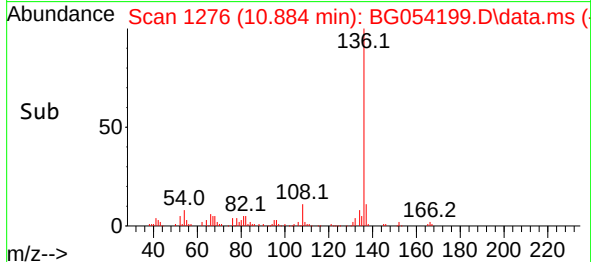
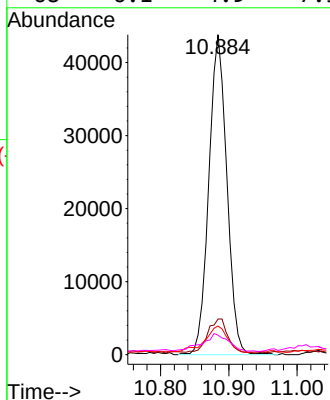
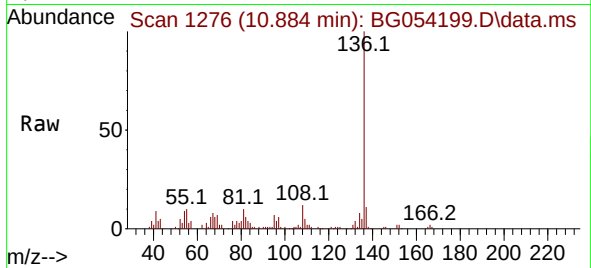




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

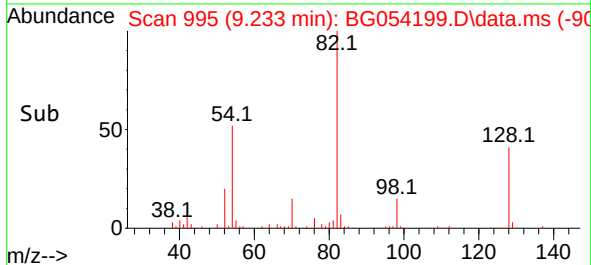
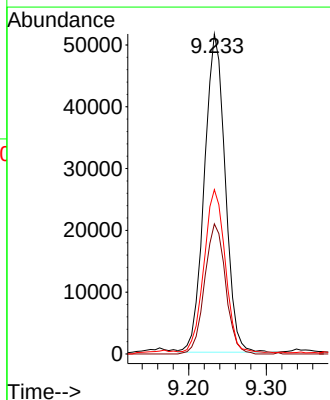
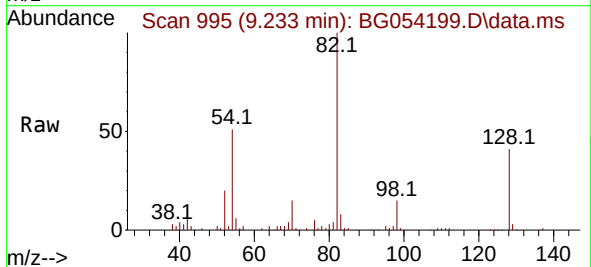
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

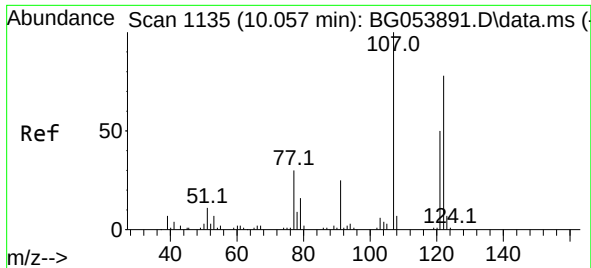
Tgt Ion:136	Resp:	80571
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	8.9	7.4 11.2
68	6.1	4.9 7.3



#23
Nitrobenzene-d5
Concen: 67.067 ng
RT: 9.233 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion: 82	Resp:	96157
Ion Ratio	Lower	Upper
82	100	
128	40.6	27.9 41.9
54	51.4	41.2 61.8

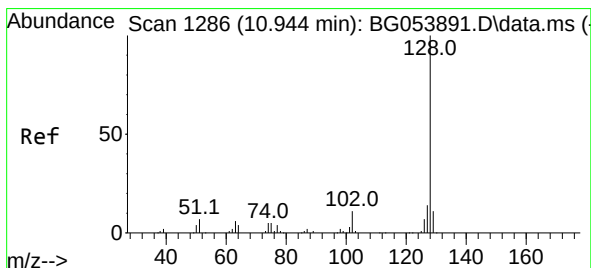
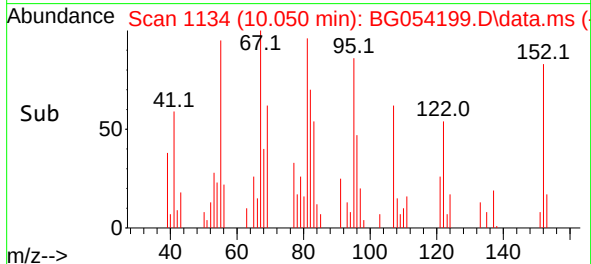
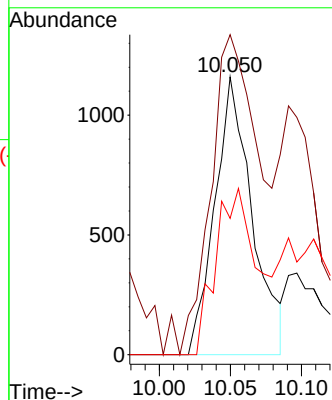
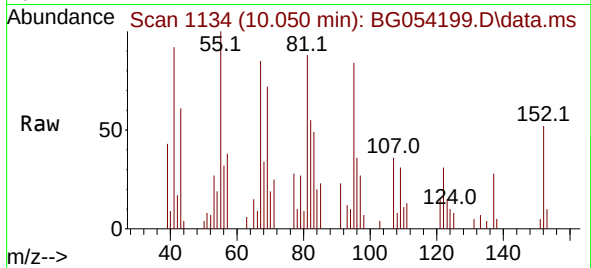




#27
2,4-Dimethylphenol
Concen: 2.098 ng
RT: 10.050 min Scan# 1134
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

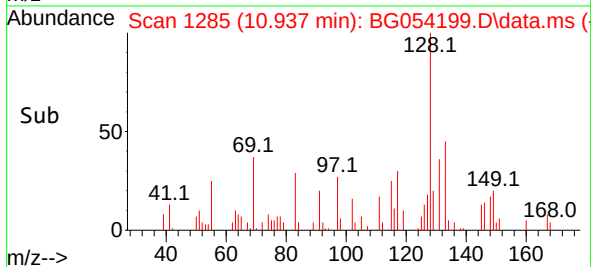
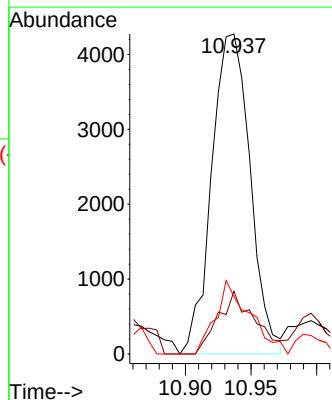
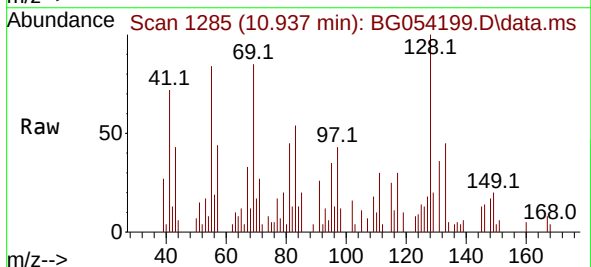
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

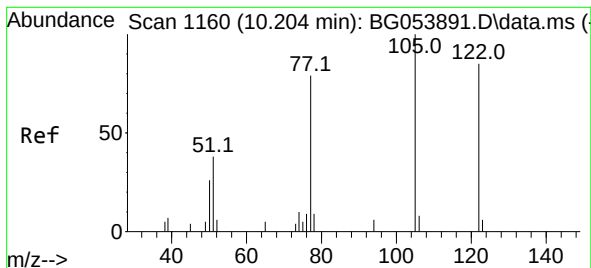
Tgt Ion:122 Resp: 2118
Ion Ratio Lower Upper
122 100
107 115.2 109.4 164.0
121 49.1 48.7 73.1



#31
Naphthalene
Concen: 2.143 ng
RT: 10.937 min Scan# 1285
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:128 Resp: 8717
Ion Ratio Lower Upper
128 100
129 19.6 9.0 13.6#
127 17.9 11.1 16.7#





#32

Benzoic acid

Concen: 11.809 ng

RT: 10.296 min Scan# 1160

Delta R.T. 0.099 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

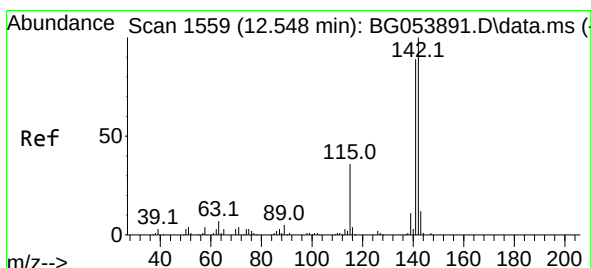
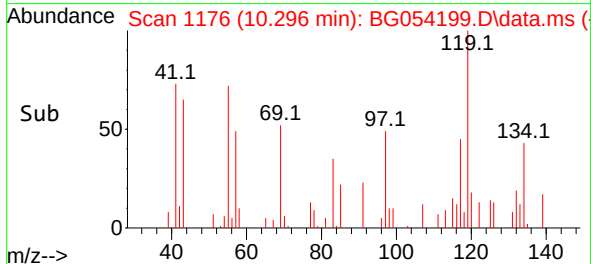
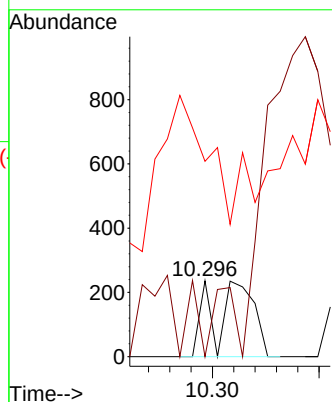
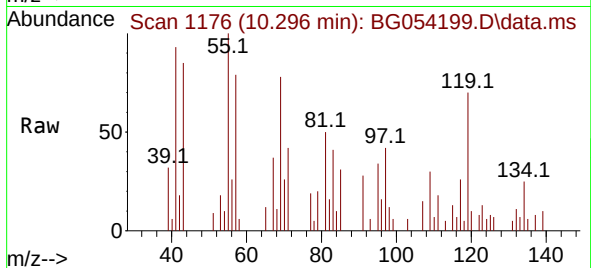
Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

Tgt Ion:122	Resp:	301
Ion Ratio	Lower	Upper
122	100	
105	0.0	111.8 151.8#
77	257.6	109.4 149.4#



#37

2-Methylnaphthalene

Concen: 2.113 ng

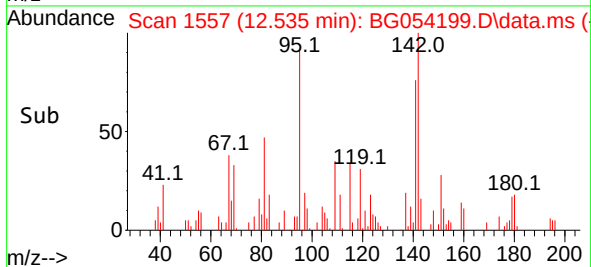
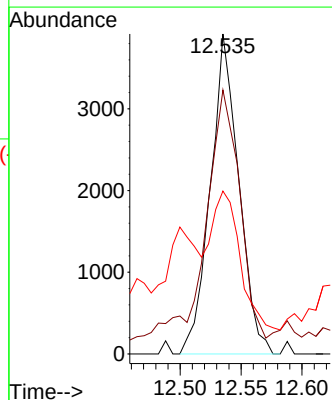
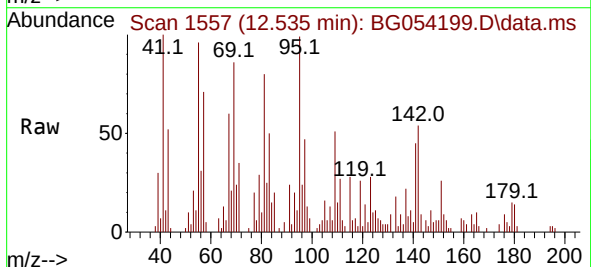
RT: 12.535 min Scan# 1557

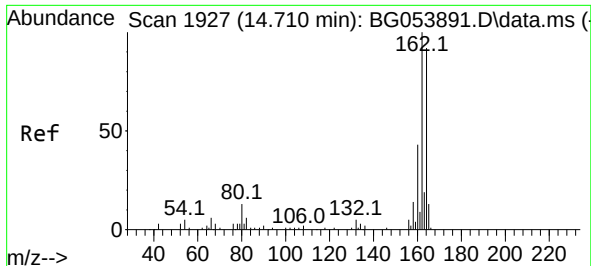
Delta R.T. 0.005 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Tgt Ion:142	Resp:	6358
Ion Ratio	Lower	Upper
142	100	
141	82.5	72.3 108.5
115	50.9	33.7 50.5#

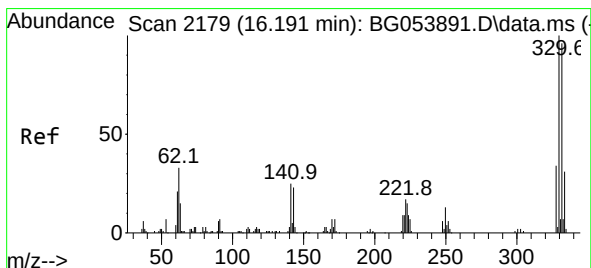
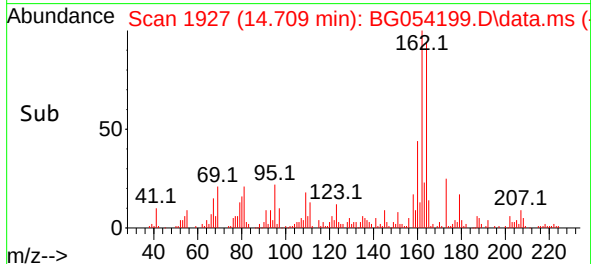
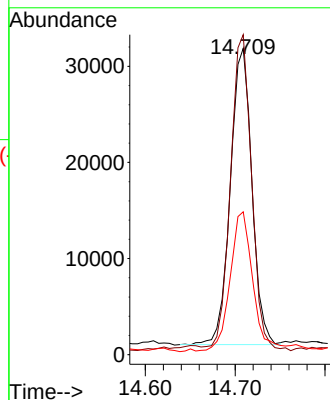
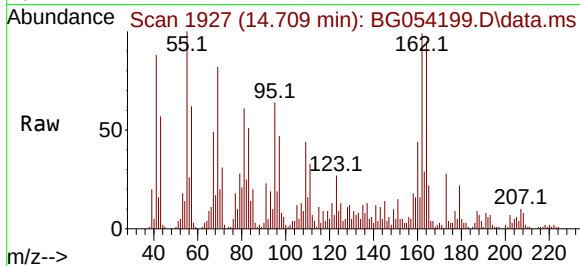




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.709 min Scan# 1927
Delta R.T. 0.011 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

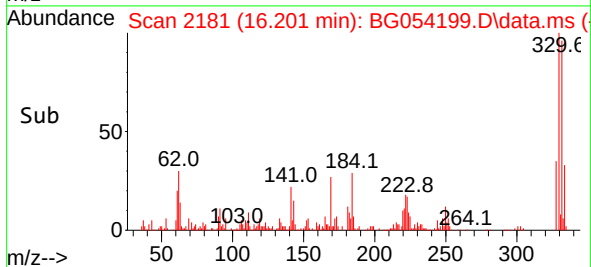
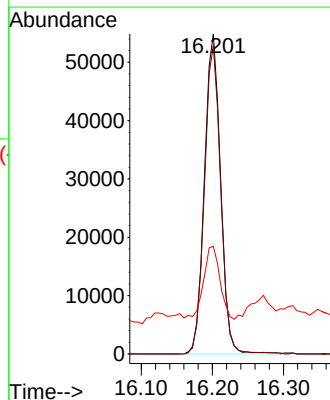
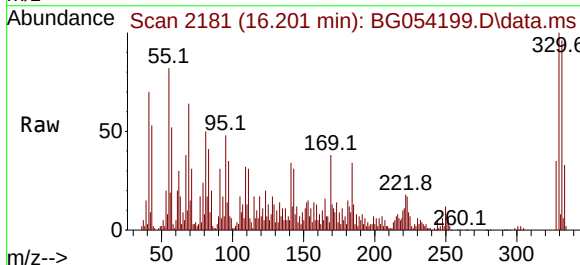
Instrument :
BNA_G
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WC-16-2-5

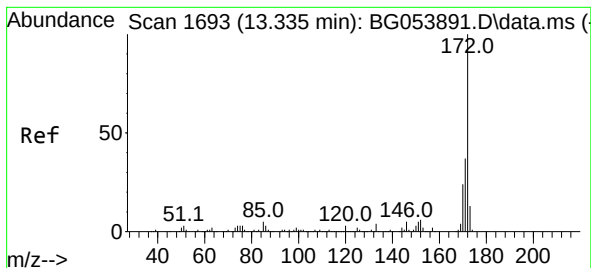
Tgt Ion:164 Resp: 51358
Ion Ratio Lower Upper
164 100
162 104.4 82.3 123.5
160 46.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 105.264 ng
RT: 16.201 min Scan# 2181
Delta R.T. 0.017 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:330 Resp: 86859
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 22.5 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 70.483 ng

RT: 13.328 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

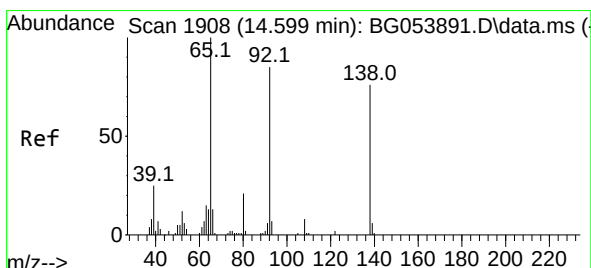
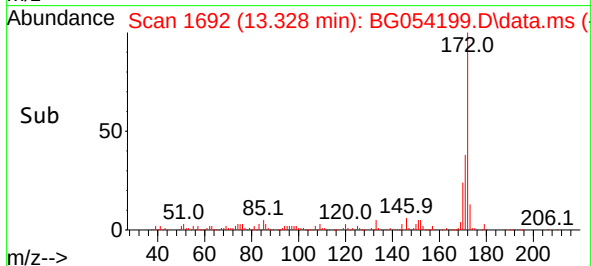
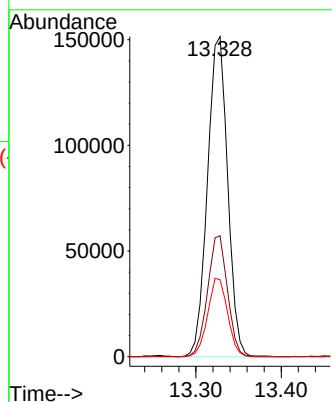
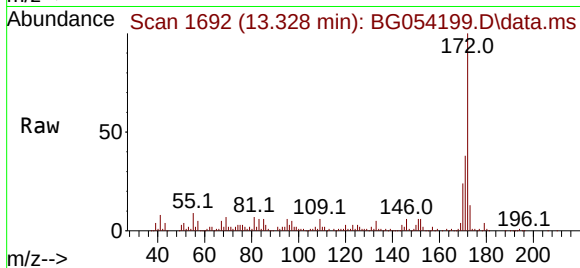
Tgt Ion:172 Resp: 248935

Ion Ratio Lower Upper

172 100

171 37.8 28.5 42.7

170 24.0 18.9 28.3



#53

3-Nitroaniline

Concen: 2.982 ng

RT: 14.615 min Scan# 1911

Delta R.T. 0.023 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

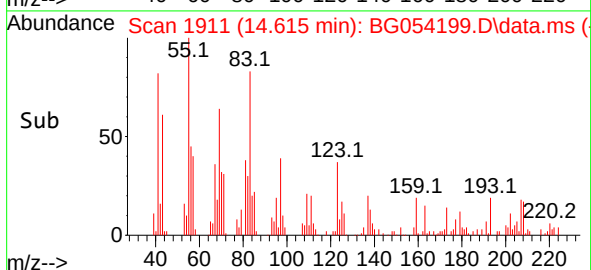
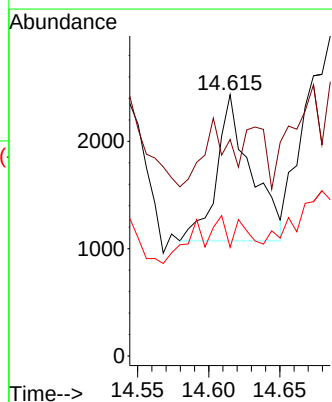
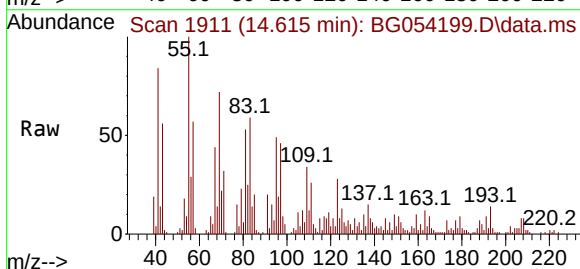
Tgt Ion:138 Resp: 2283

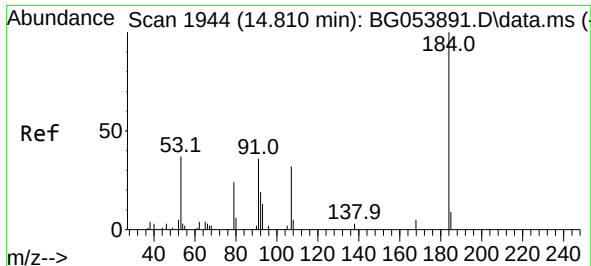
Ion Ratio Lower Upper

138 100

108 82.8 9.2 13.8#

92 41.6 101.9 152.9#

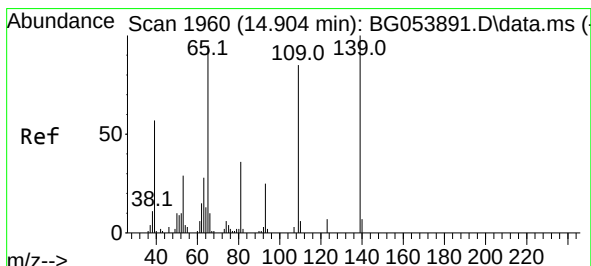
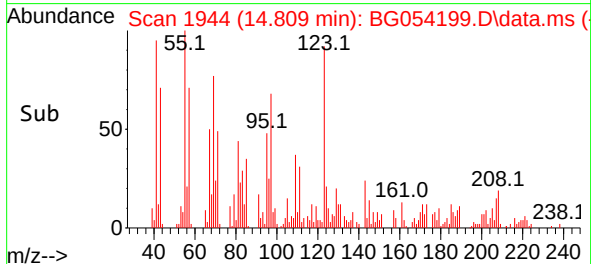
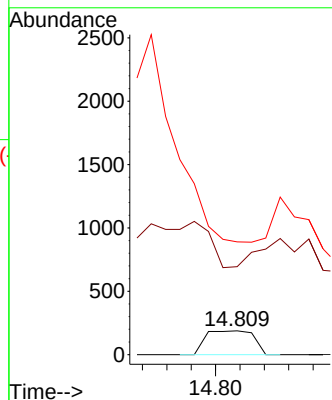
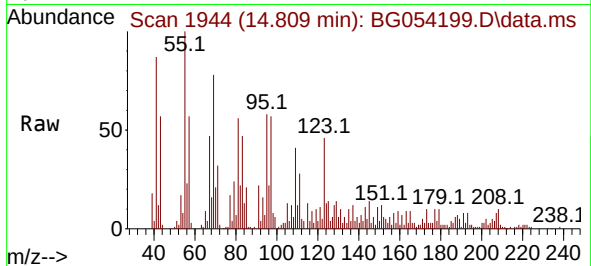




#54
2,4-Dinitrophenol
Concen: 7.586 ng
RT: 14.809 min Scan# 1944
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

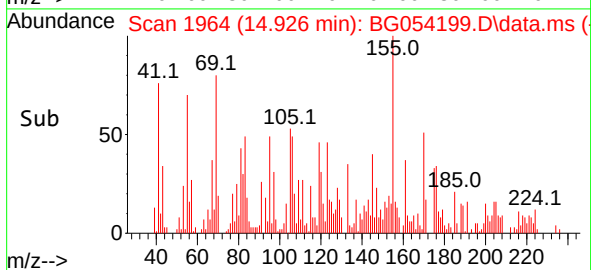
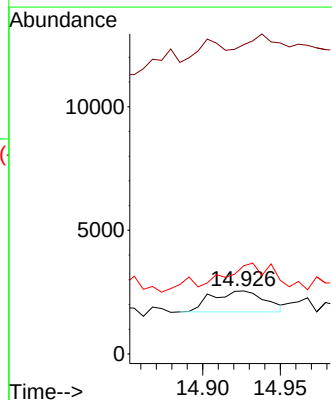
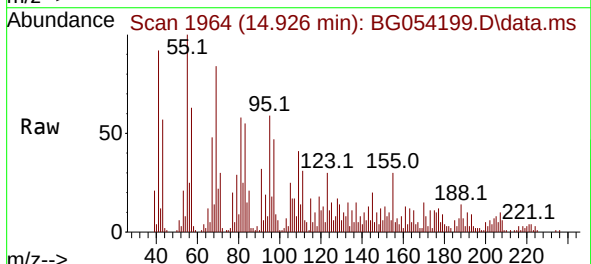
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

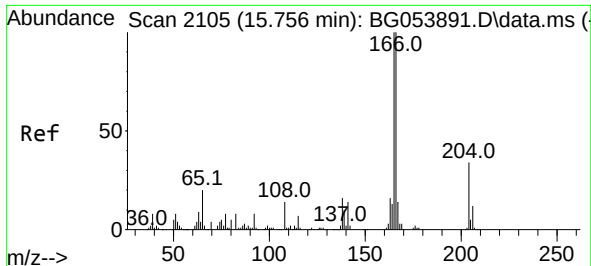
Tgt Ion:184 Resp: 256
Ion Ratio Lower Upper
184 100
63 369.1 61.1 91.7#
154 473.4 60.6 91.0#



#56
4-Nitrophenol
Concen: 3.729 ng
RT: 14.926 min Scan# 1964
Delta R.T. 0.029 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:139 Resp: 2027
Ion Ratio Lower Upper
139 100
109 490.8 88.5 128.5#
65 139.9 93.9 133.9#

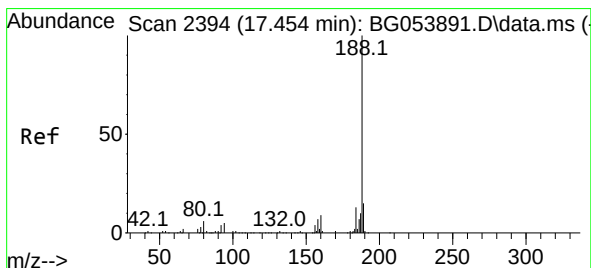
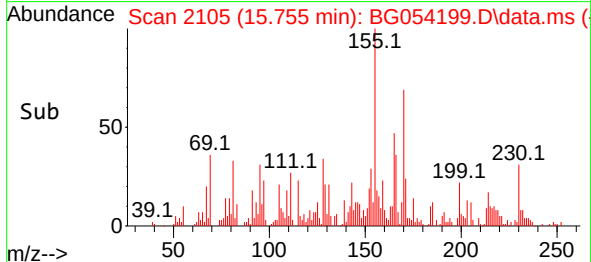
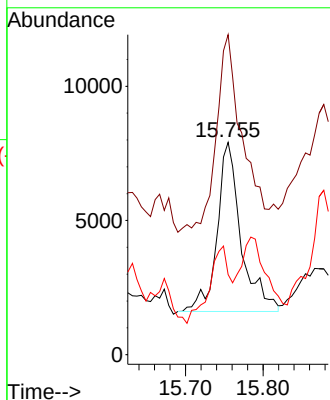
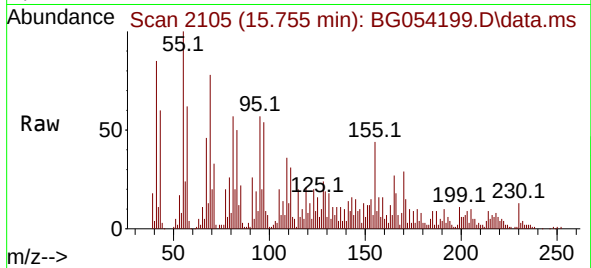




#58
Fluorene
Concen: 3.563 ng
RT: 15.755 min Scan# 2105
Delta R.T. 0.011 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

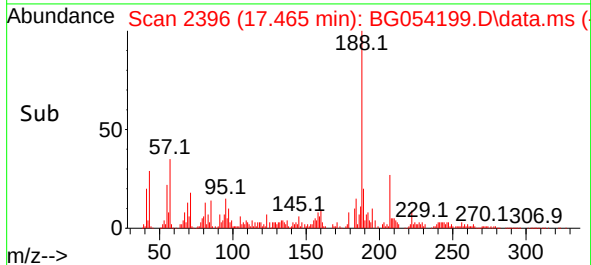
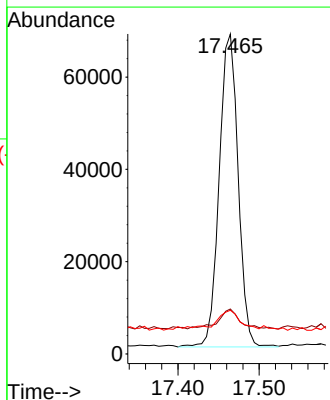
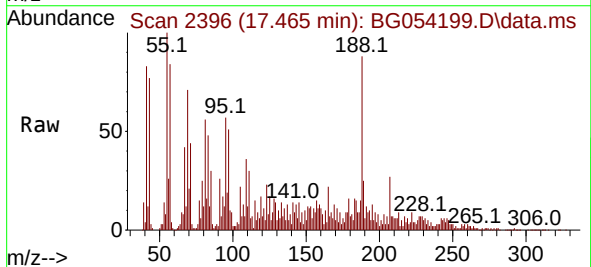
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

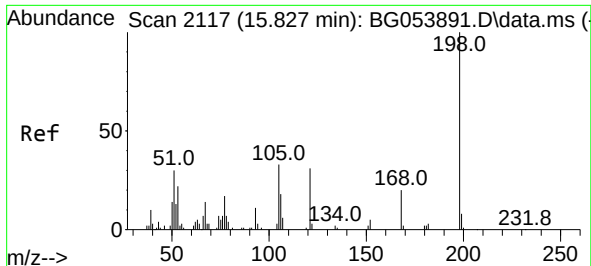
Tgt Ion:166 Resp: 13525
Ion Ratio Lower Upper
166 100
165 150.7 75.0 112.6#
167 37.8 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.465 min Scan# 2396
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:188 Resp: 110104
Ion Ratio Lower Upper
188 100
94 14.1 5.4 8.0#
80 13.7 6.8 10.2#

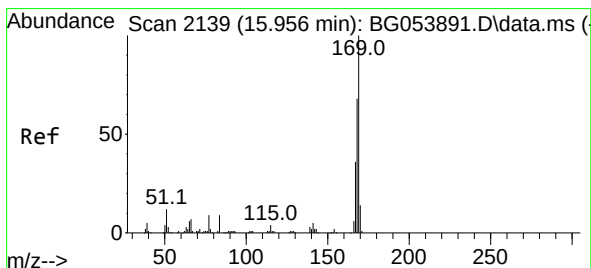
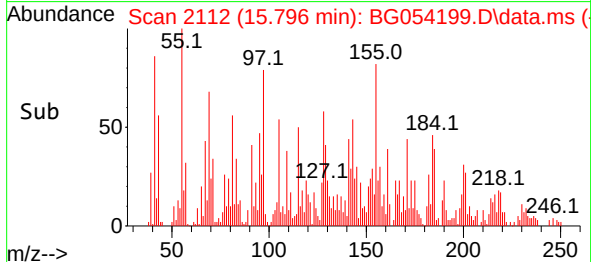
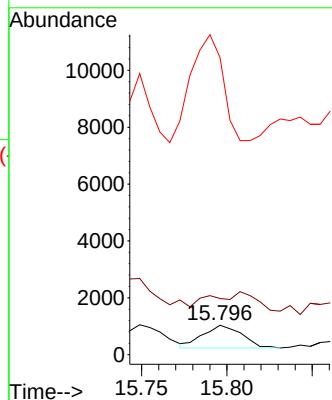
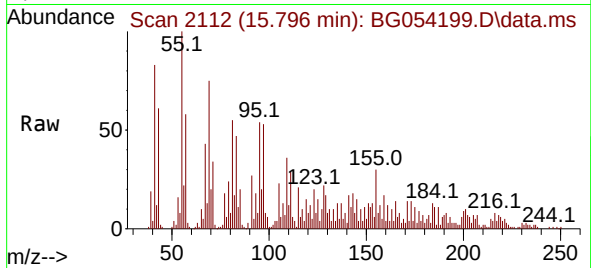




#65
4,6-Dinitro-2-methylphenol
Concen: 2.317 ng
RT: 15.796 min Scan# 2112
Delta R.T. -0.018 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

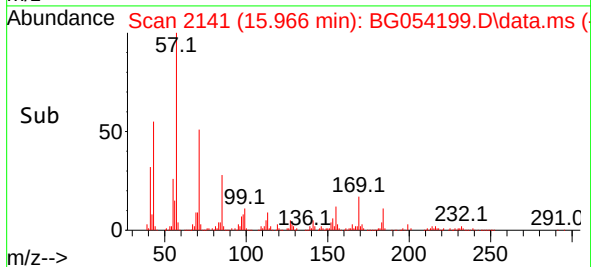
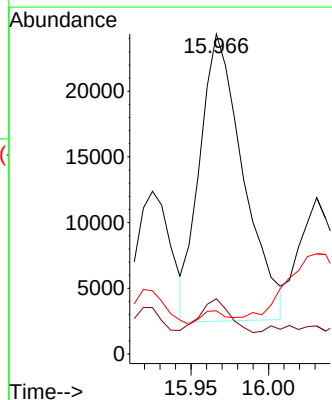
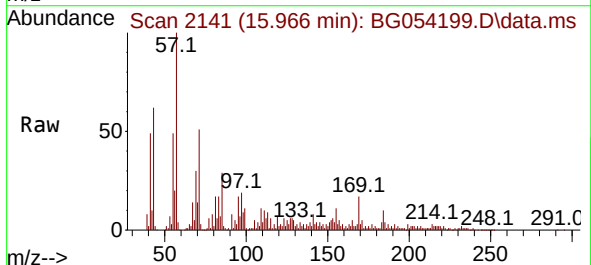
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

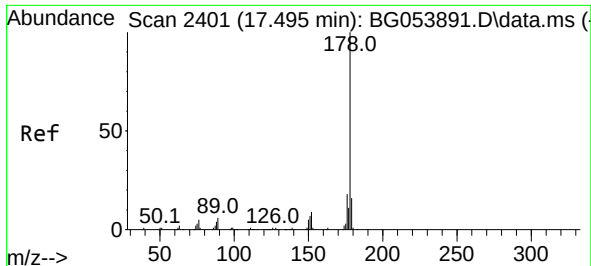
Tgt Ion:198 Resp: 1273
Ion Ratio Lower Upper
198 100
51 190.4 28.1 68.1#
105 1008.0 20.3 60.3#



#66
n-Nitrosodiphenylamine
Concen: 14.874 ng
RT: 15.966 min Scan# 2141
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:169 Resp: 42680
Ion Ratio Lower Upper
169 100
168 17.3 55.9 83.9#
167 13.5 30.6 46.0#

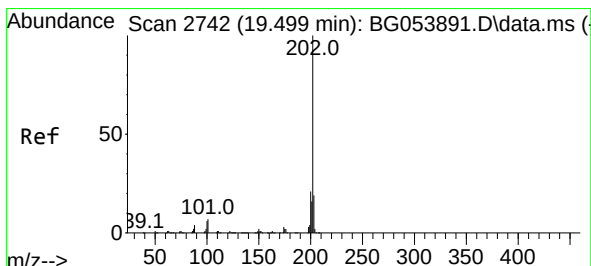
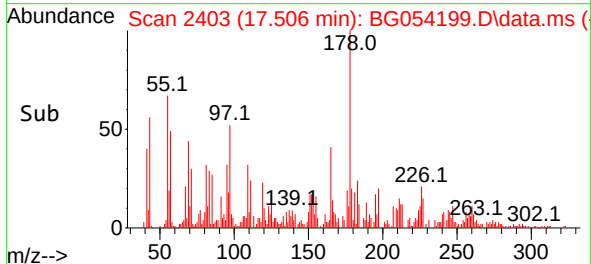
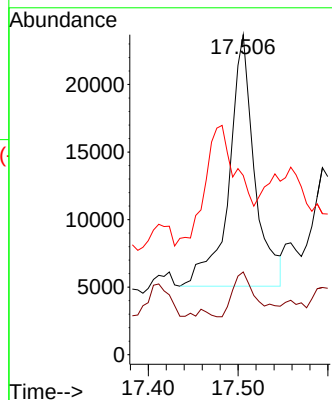
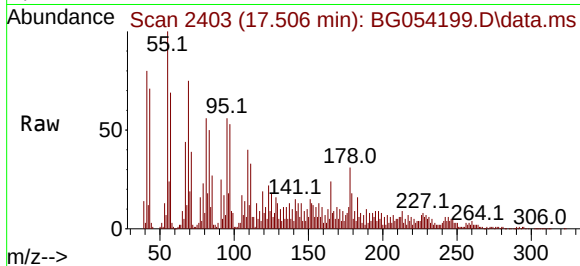




#71
Phenanthrene
Concen: 6.513 ng
RT: 17.506 min Scan# 2403
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

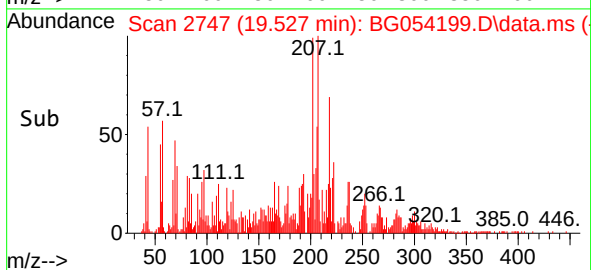
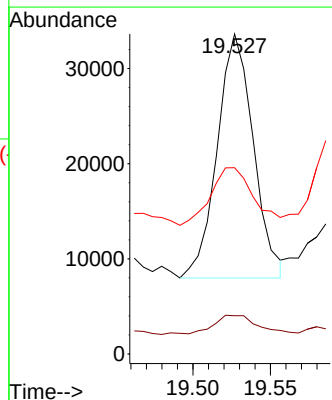
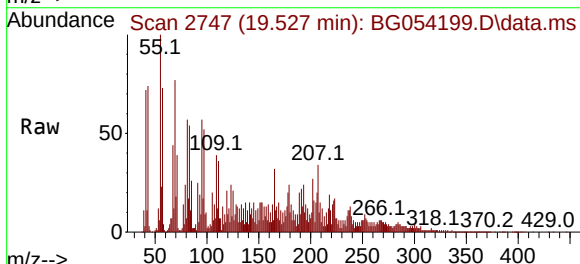
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

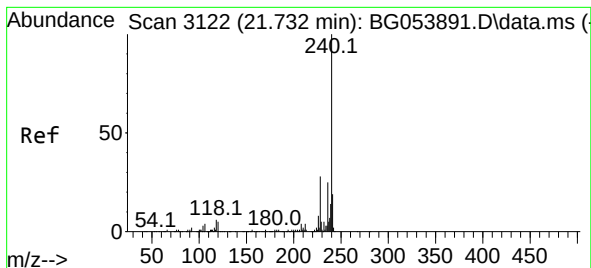
Tgt Ion:178 Resp: 36841
Ion Ratio Lower Upper
178 100
176 25.9 14.1 21.1#
179 56.0 12.1 18.1#



#75
Fluoranthene
Concen: 5.600 ng
RT: 19.527 min Scan# 2747
Delta R.T. 0.035 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:202 Resp: 41583
Ion Ratio Lower Upper
202 100
101 12.0 0.0 26.9
203 58.2 0.0 37.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.771 min Scan# 3122

Delta R.T. 0.052 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

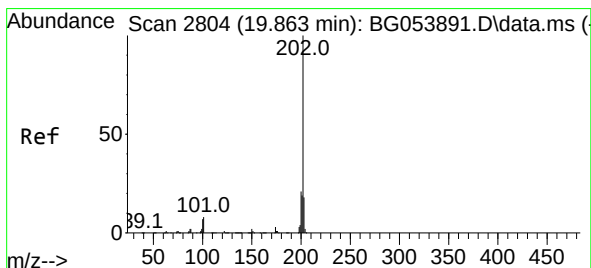
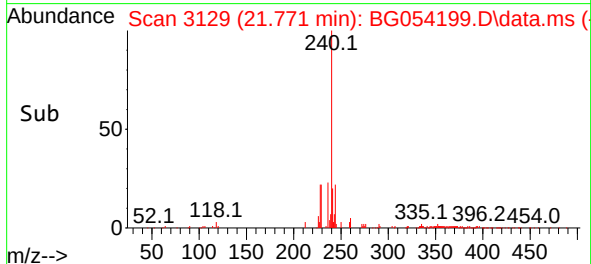
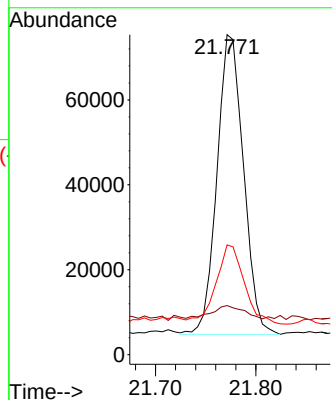
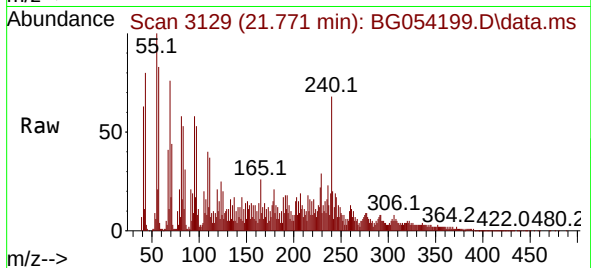
Tgt Ion:240 Resp: 129317

Ion Ratio Lower Upper

240 100

120 15.4 4.6 7.0#

236 34.3 20.2 30.4#



#78

Pyrene

Concen: 11.145 ng

RT: 19.897 min Scan# 2810

Delta R.T. 0.046 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

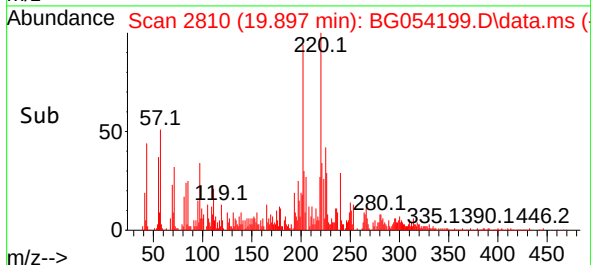
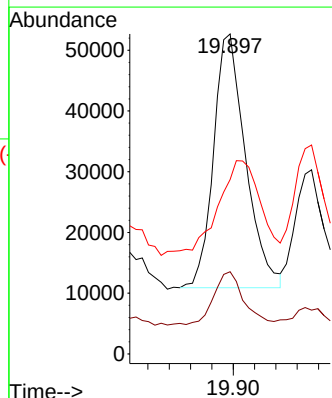
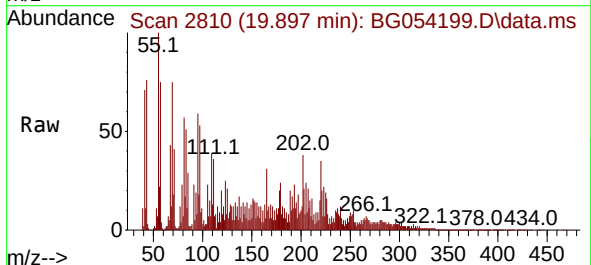
Tgt Ion:202 Resp: 87047

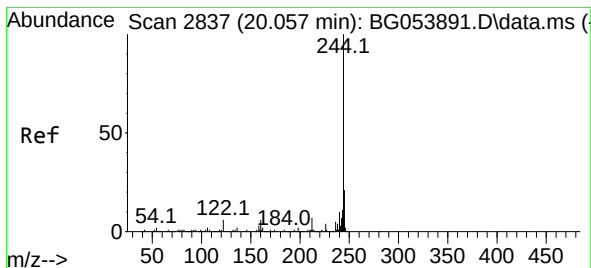
Ion Ratio Lower Upper

202 100

200 25.7 16.6 24.8#

203 54.5 14.6 21.8#





#79

Terphenyl-d14

Concen: 66.190 ng

RT: 20.085 min Scan# 21

Delta R.T. 0.040 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

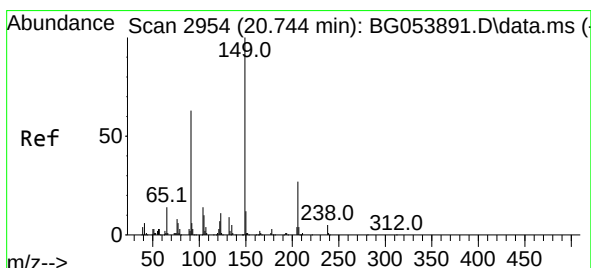
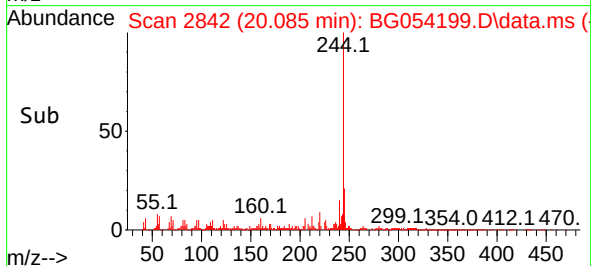
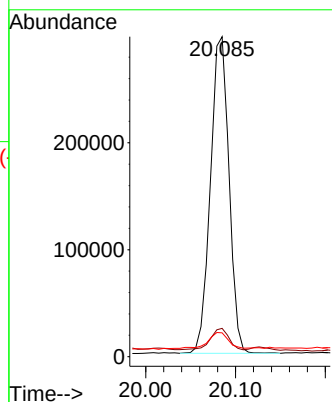
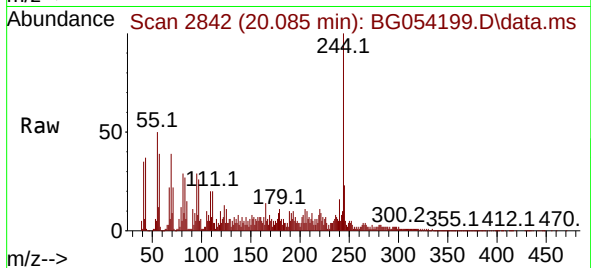
Tgt Ion:244 Resp: 424980

Ion Ratio Lower Upper

244 100

212 8.9 6.5 9.7

122 7.5 5.0 7.4#



#80

Butylbenzylphthalate

Concen: 5.536 ng

RT: 20.731 min Scan# 2952

Delta R.T. -0.001 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

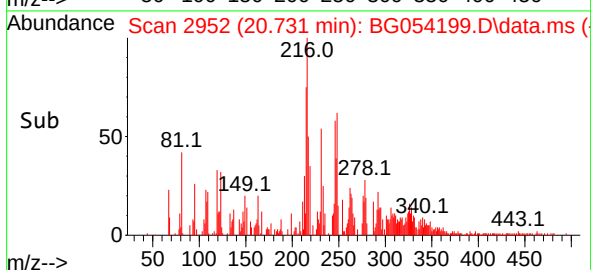
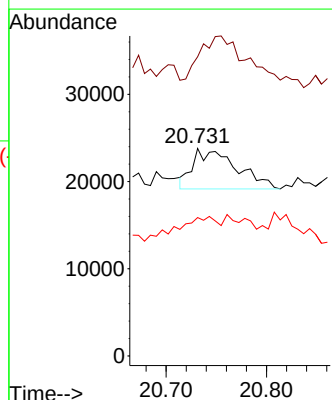
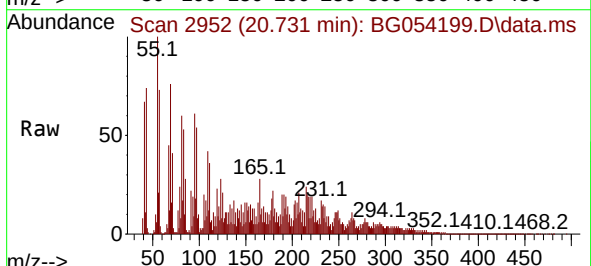
Tgt Ion:149 Resp: 13859

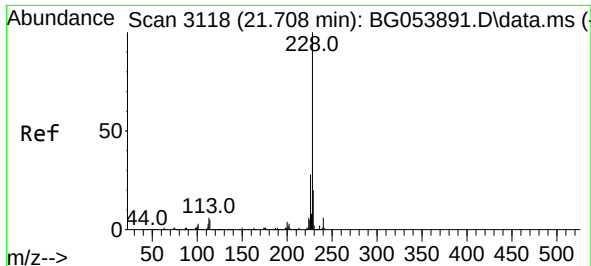
Ion Ratio Lower Upper

149 100

91 144.2 59.6 89.4#

206 66.7 18.6 28.0#

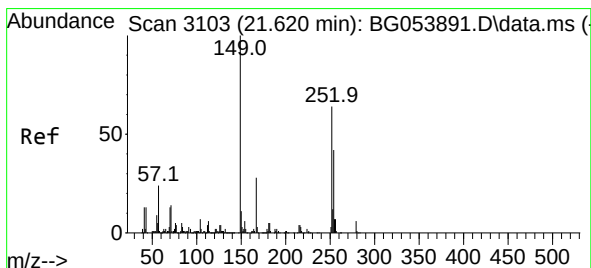
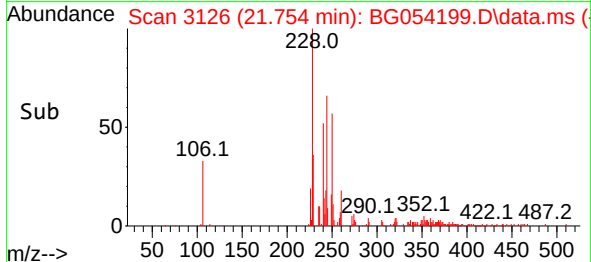
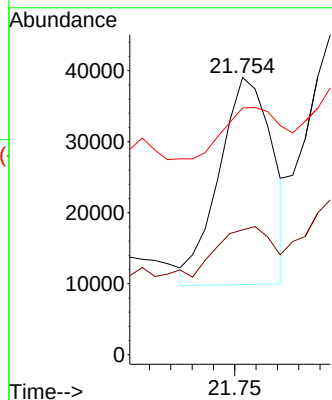
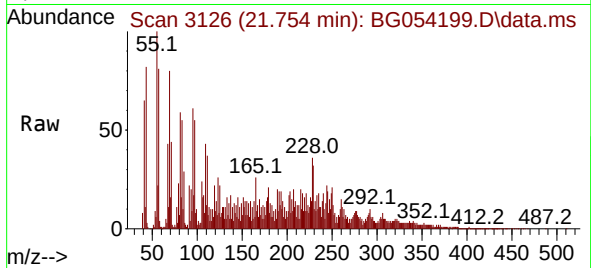




#81
Benzo(a)anthracene
Concen: 6.068 ng
RT: 21.754 min Scan# 3118
Delta R.T. 0.058 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

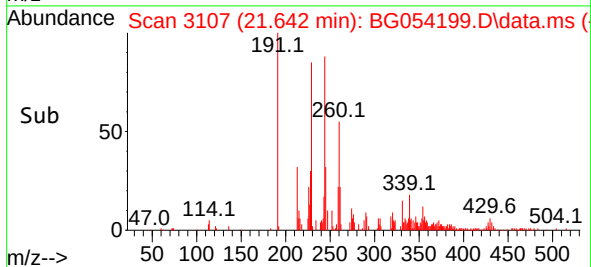
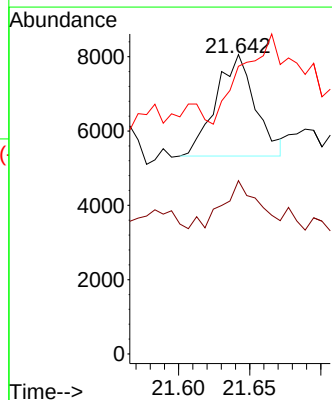
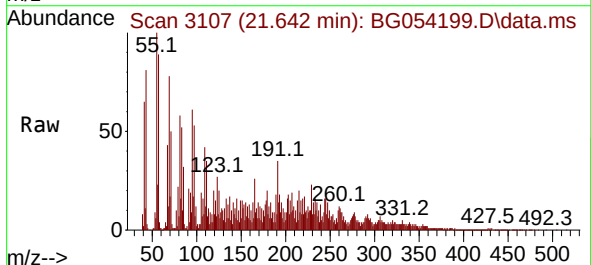
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

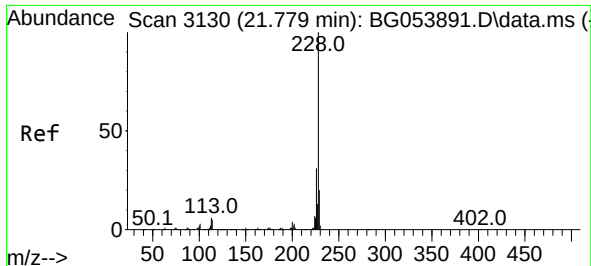
Tgt Ion:228 Resp: 50808
Ion Ratio Lower Upper
228 100
226 45.0 21.6 32.4#
229 89.0 16.2 24.2#



#82
3,3'-Dichlorobenzidine
Concen: 2.103 ng
RT: 21.642 min Scan# 3107
Delta R.T. 0.035 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:252 Resp: 5262
Ion Ratio Lower Upper
252 100
254 57.9 49.8 74.8
126 96.1 6.0 9.0#

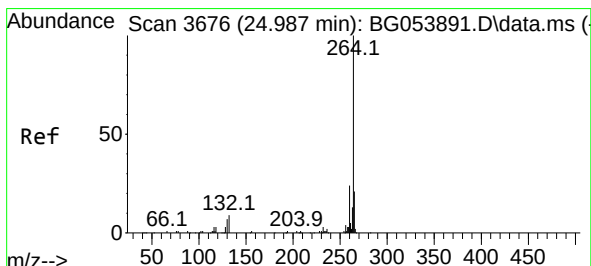
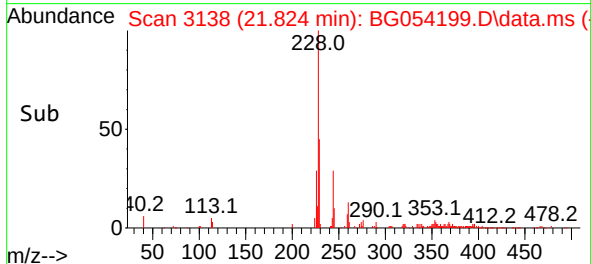
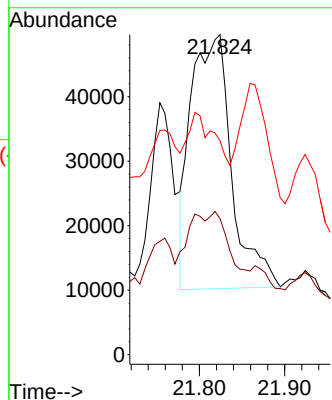
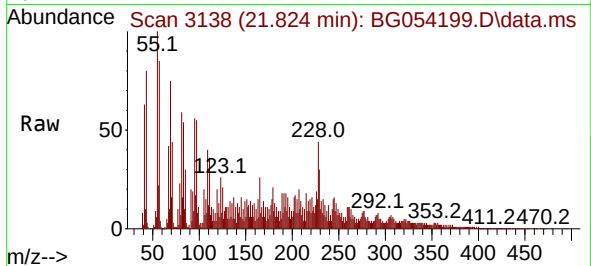




#83
Chrysene
Concen: 16.411 ng
RT: 21.824 min Scan# 3130
Delta R.T. 0.064 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

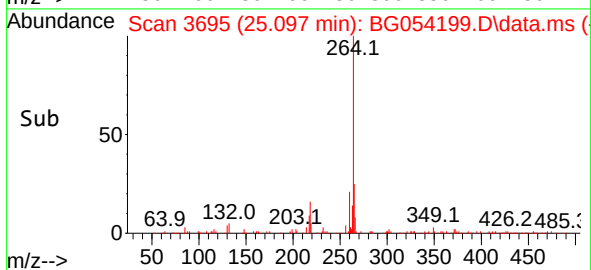
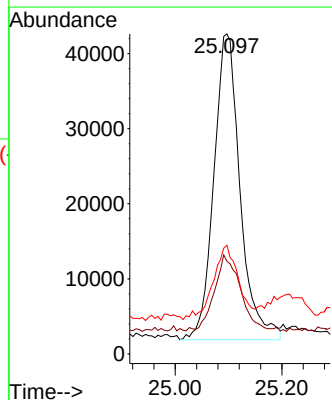
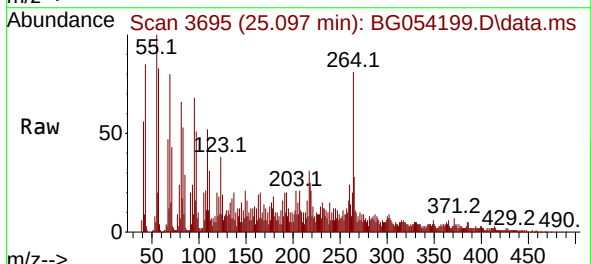
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

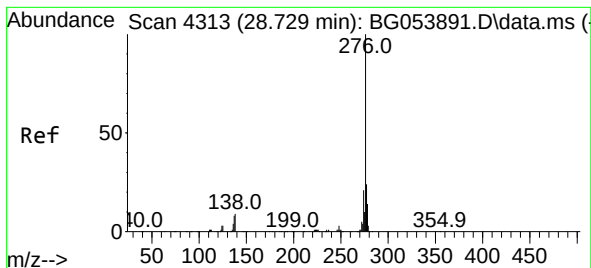
Tgt Ion:228 Resp: 130983
Ion Ratio Lower Upper
228 100
226 42.5 23.4 35.2#
229 66.8 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.097 min Scan# 3695
Delta R.T. 0.134 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:264 Resp: 139524
Ion Ratio Lower Upper
264 100
260 28.9 19.0 28.6#
265 34.0 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.850 ng

RT: 28.886 min Scan# 41

Delta R.T. 0.199 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

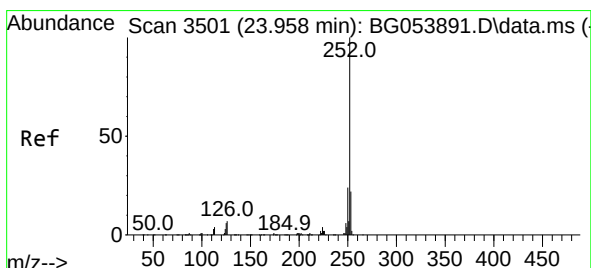
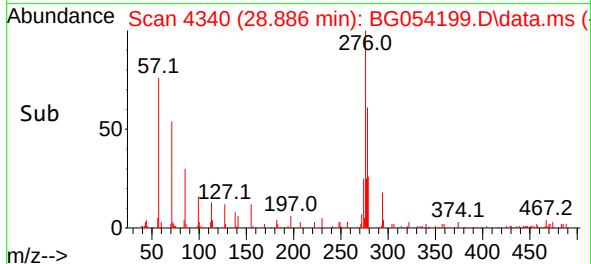
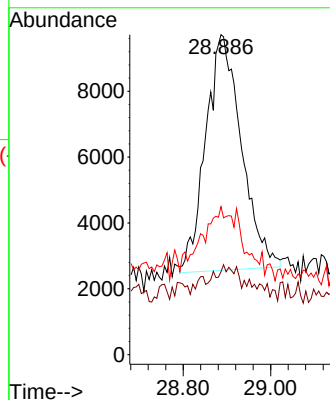
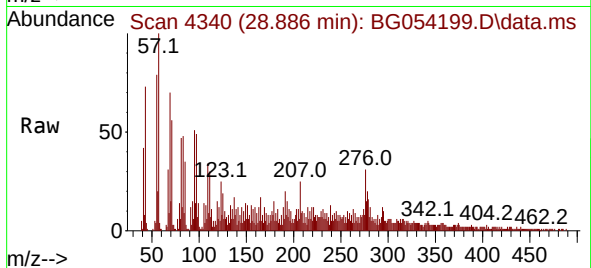
Tgt Ion:276 Resp: 40539

Ion Ratio Lower Upper

276 100

138 4.0 5.0 7.4#

277 12.5 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 7.921 ng

RT: 24.039 min Scan# 3515

Delta R.T. 0.105 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

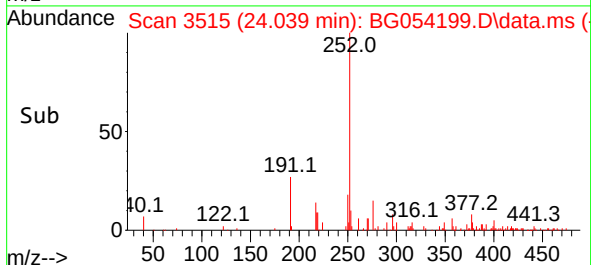
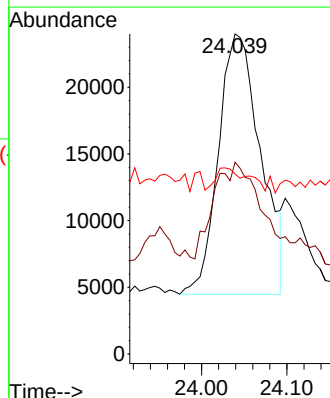
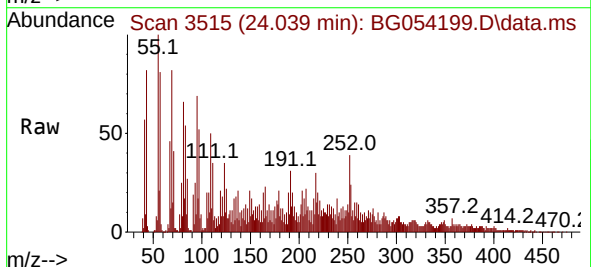
Tgt Ion:252 Resp: 67193

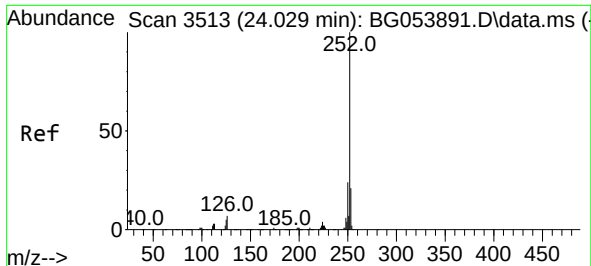
Ion Ratio Lower Upper

252 100

253 59.9 18.0 27.0#

125 56.2 4.6 6.8#

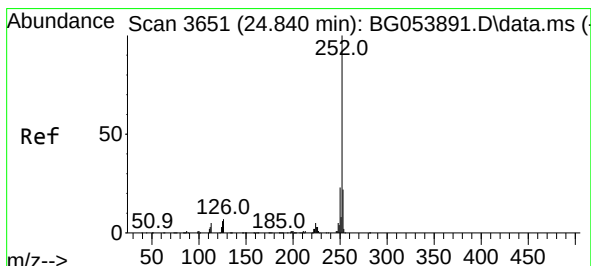
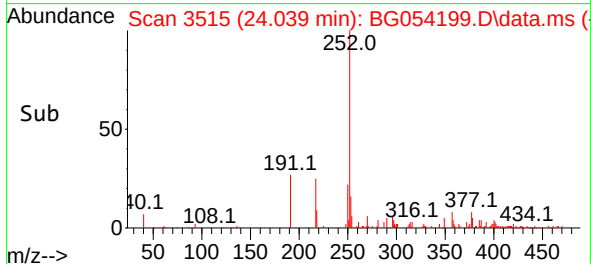
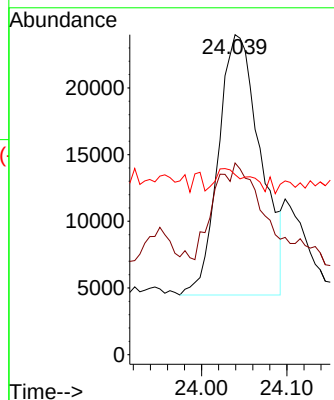
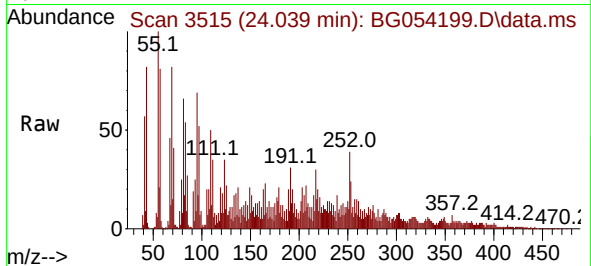




#89
Benzo(k)fluoranthene
Concen: 8.000 ng
RT: 24.039 min Scan# 311
Delta R.T. 0.035 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

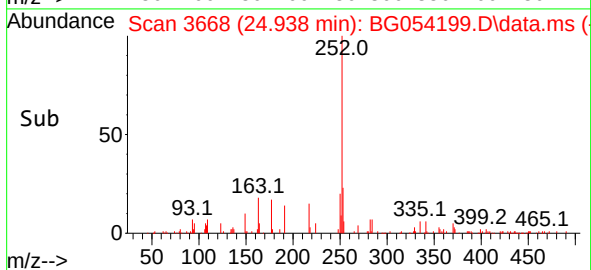
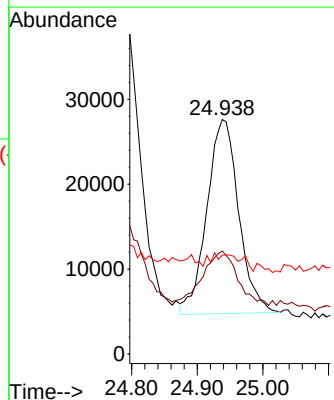
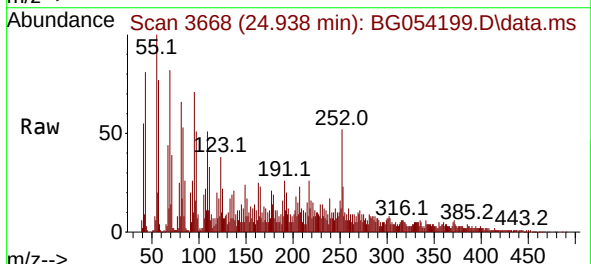
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

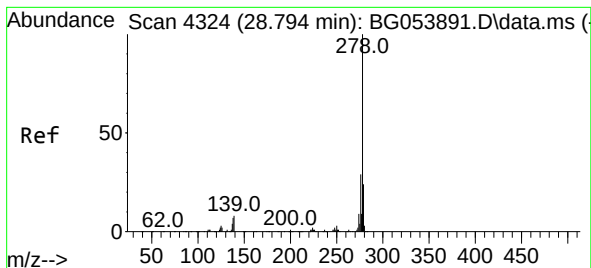
Tgt Ion:252 Resp: 67193
Ion Ratio Lower Upper
252 100
253 59.9 18.4 27.6#
125 56.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 10.754 ng
RT: 24.938 min Scan# 3668
Delta R.T. 0.123 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Tgt Ion:252 Resp: 76977
Ion Ratio Lower Upper
252 100
253 44.0 17.8 26.8#
125 42.2 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 4.414 ng

RT: 28.928 min Scan# 41

Delta R.T. 0.181 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

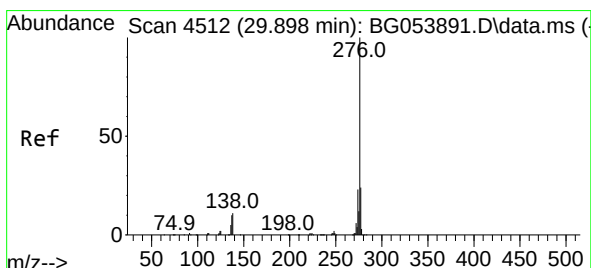
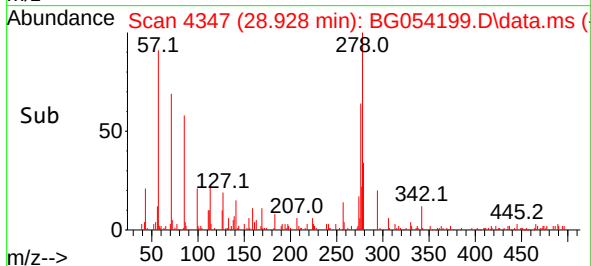
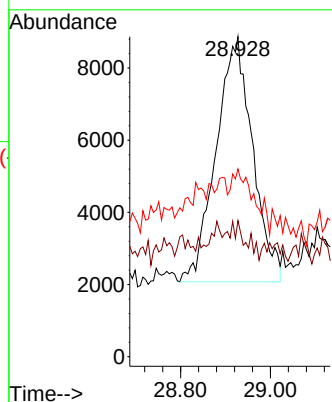
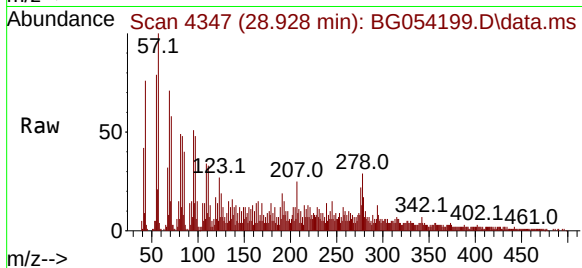
Tgt Ion:278 Resp: 38429

Ion Ratio Lower Upper

278 100

139 42.5 7.2 10.8#

279 58.7 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 7.793 ng

RT: 30.079 min Scan# 4543

Delta R.T. 0.217 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Tgt Ion:276 Resp: 66961

Ion Ratio Lower Upper

276 100

277 34.5 17.3 25.9#

138 16.2 9.6 14.4#

