

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054202.D
 Acq On : 1 Jul 2022 22:14
 Operator : CG/JU
 Sample : N3564-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-6

Quant Time: Jul 01 23:36:07 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)

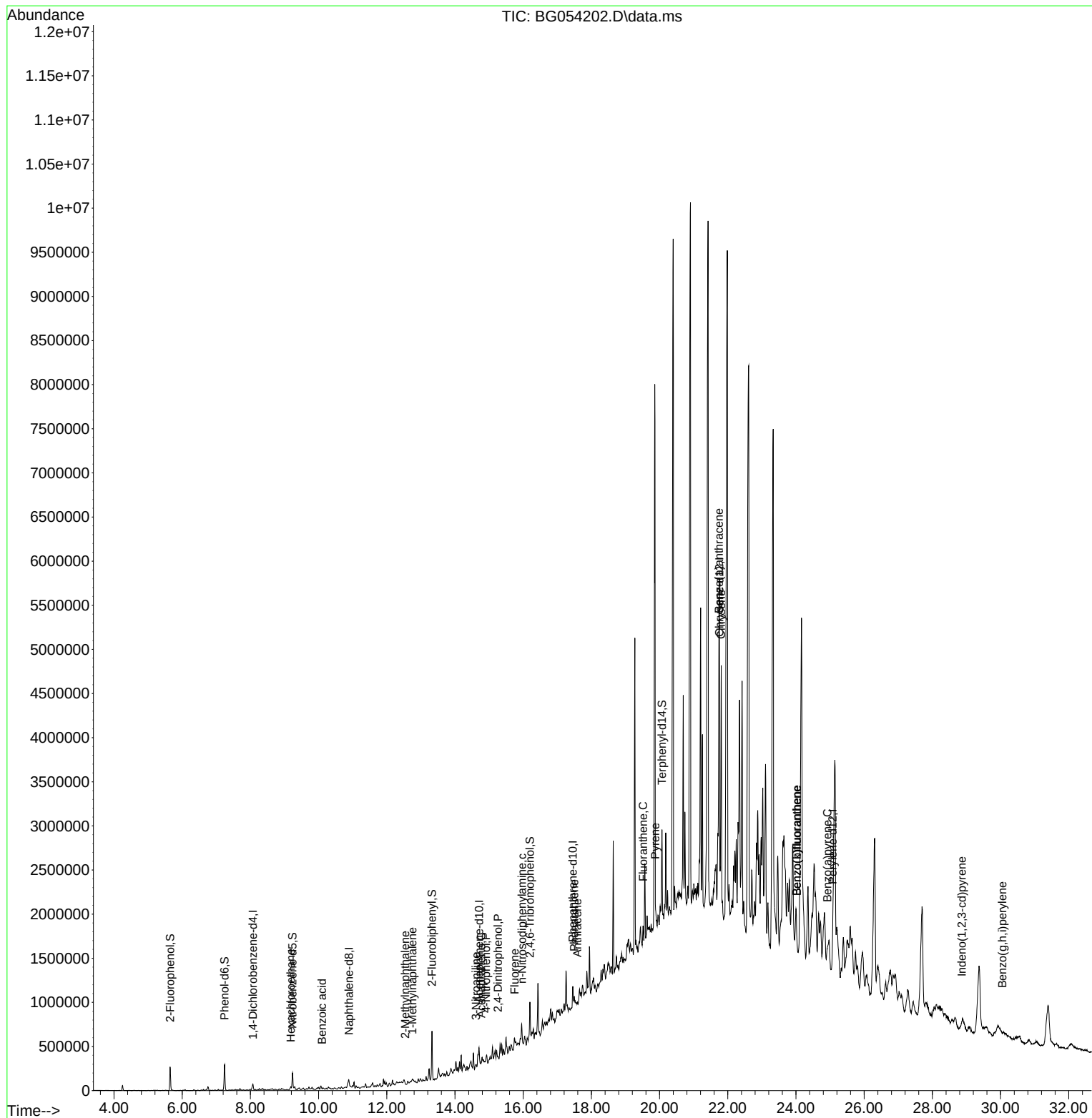
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	21325	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	80352	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	52037	20.000	ng	0.00
64) Phenanthrene-d10	17.454	188	113602	20.000	ng	# 0.01
76) Chrysene-d12	21.755	240	131016	20.000	ng	# 0.04
86) Perylene-d12	25.075	264	117470	20.000	ng	# 0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.645	112	133101	119.333	ng	0.00
7) Phenol-d6	7.243	99	177302	117.179	ng	0.01
23) Nitrobenzene-d5	9.234	82	121587	85.035	ng	0.00
42) 2,4,6-Tribromophenol	16.197	330	104545	125.044	ng	0.01
45) 2-Fluorobiphenyl	13.324	172	312866	87.428	ng	0.00
79) Terphenyl-d14	20.069	244	527545	81.098	ng	0.02
Target Compounds						Qvalue
18) Hexachloroethane	9.182	117	1896	3.813	ng	# 1
32) Benzoic acid	10.098	122	359	11.911	ng	# 82
37) 2-Methylnaphthalene	12.536	142	9518	3.171	ng	96
38) 1-Methylnaphthalene	12.754	142	17031	5.828	ng	# 95
52) Acenaphthene	14.769	154	6470	2.225	ng	# 78
53) 3-Nitroaniline	14.616	138	2165	2.791	ng	# 20
54) 2,4-Dinitrophenol	15.257	184	1340	9.816	ng	83
56) 4-Nitrophenol	14.910	139	3958	7.187	ng	# 1
58) Fluorene	15.750	166	14687	3.818	ng	# 72
66) n-Nitrosodiphenylamine	15.962	169	28510	9.630	ng	# 47
71) Phenanthrene	17.495	178	71535	12.256	ng	# 79
72) Anthracene	17.589	178	15966	2.801	ng	# 59
75) Fluoranthene	19.517	202	122122	15.939	ng	86
78) Pyrene	19.875	202	151047	19.088	ng	# 88
81) Benzo(a)anthracene	21.737	228	78898	9.301	ng	# 66
83) Chrysene	21.802	228	102836	12.718	ng	# 67
87) Indeno(1,2,3-cd)pyrene	28.864	276	30605	3.452	ng	# 93
88) Benzo(b)fluoranthene	24.029	252	121053	16.948	ng	# 37
89) Benzo(k)fluoranthene	24.029	252	121053	17.118	ng	# 38
90) Benzo(a)pyrene	24.922	252	67651	11.226	ng	# 40
92) Benzo(g,h,i)perylene	30.051	276	15959	2.206	ng	# 62

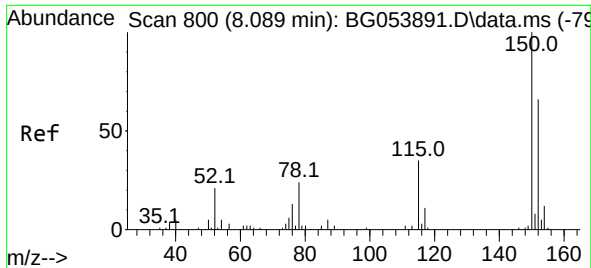
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG054202.D
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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

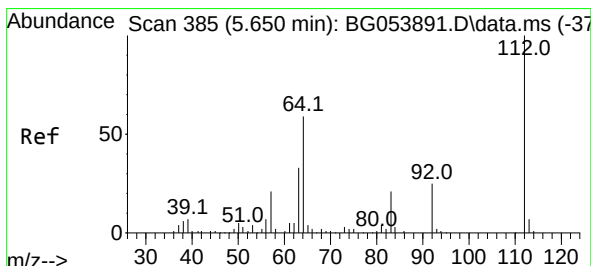
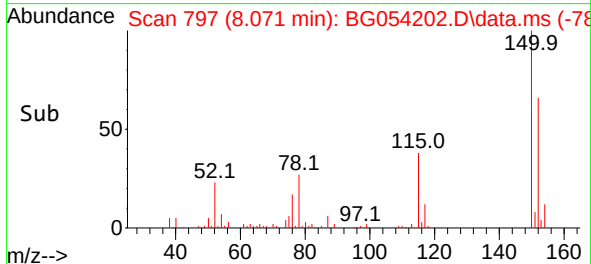
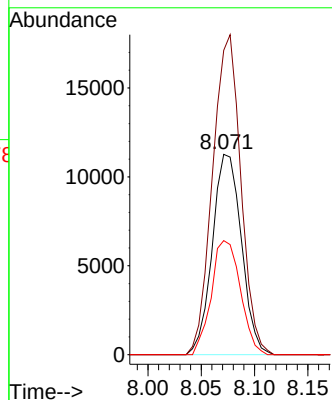
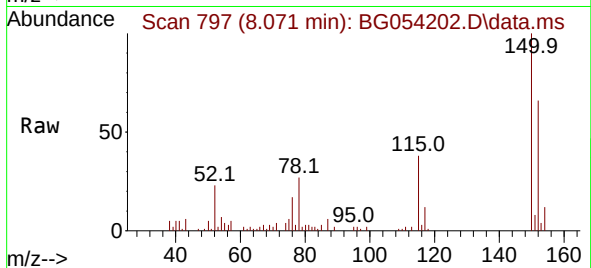




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

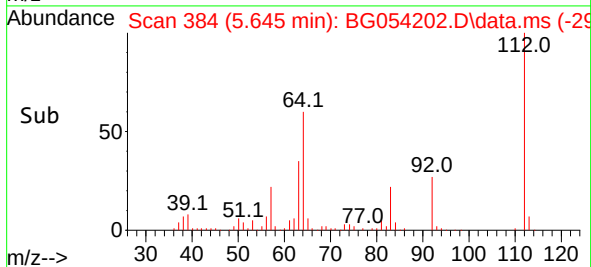
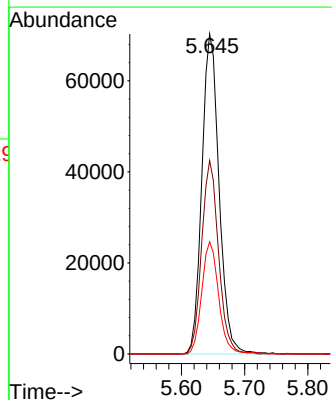
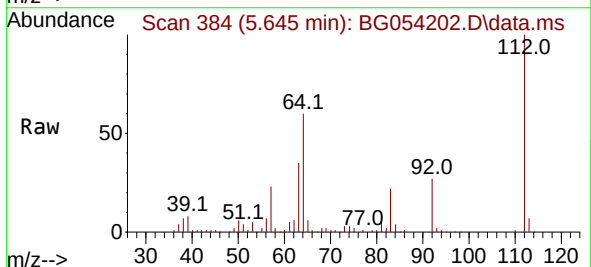
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

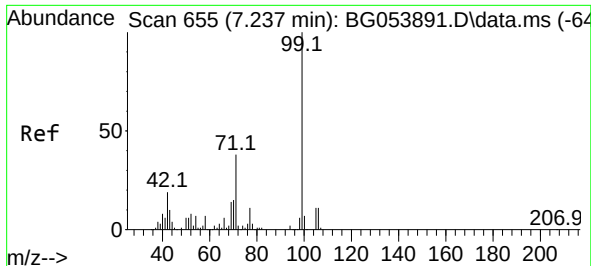
Tgt Ion:152 Resp: 21325
Ion Ratio Lower Upper
152 100
150 151.9 131.6 197.4
115 57.0 50.9 76.3



#5
2-Fluorophenol
Concen: 119.333 ng
RT: 5.645 min Scan# 384
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:112 Resp: 133101
Ion Ratio Lower Upper
112 100
64 60.4 55.1 82.7
63 35.0 30.4 45.6

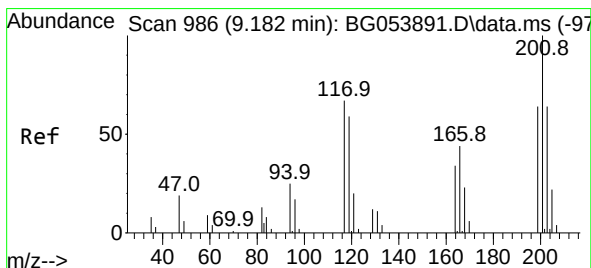
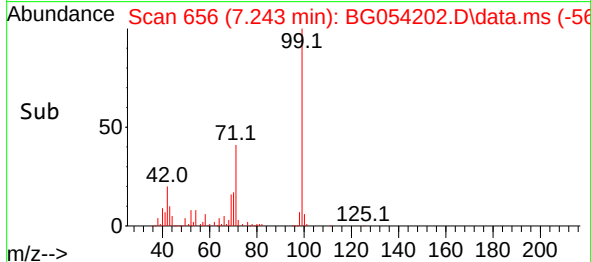
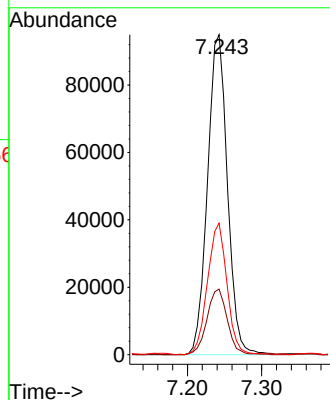
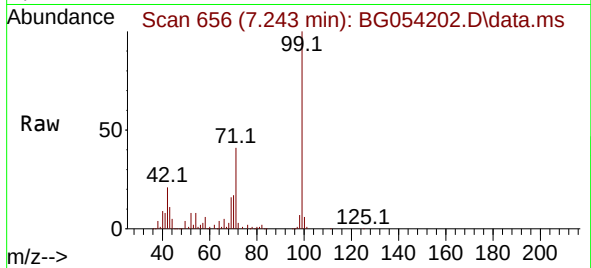




#7
Phenol-d6
Concen: 117.179 ng
RT: 7.243 min Scan# 61
Delta R.T. 0.012 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

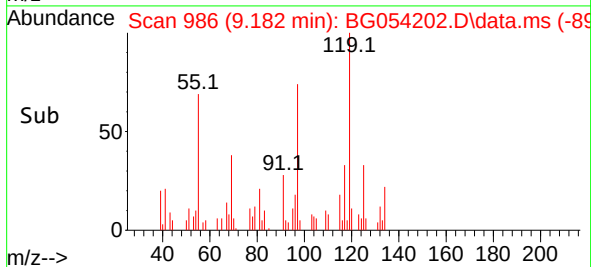
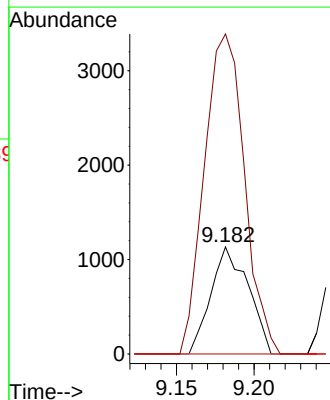
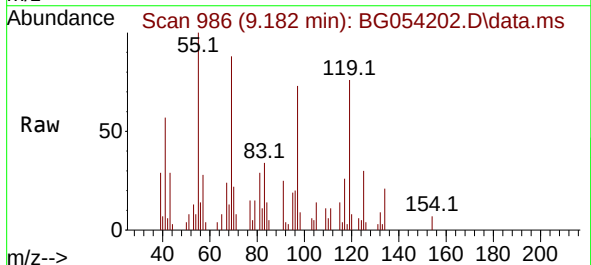
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

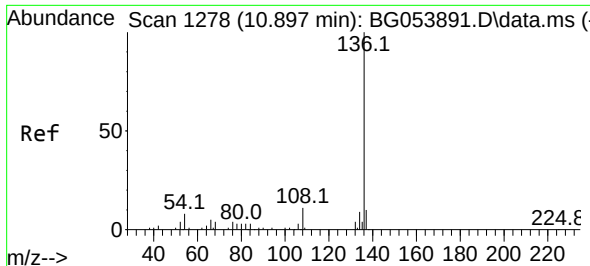
Tgt Ion: 99 Resp: 177302
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 41.1 33.8 50.8



#18
Hexachloroethane
Concen: 3.813 ng
RT: 9.182 min Scan# 986
Delta R.T. 0.018 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion: 117 Resp: 1896
Ion Ratio Lower Upper
117 100
119 298.9 75.0 112.6#
201 0.0 89.0 133.6#

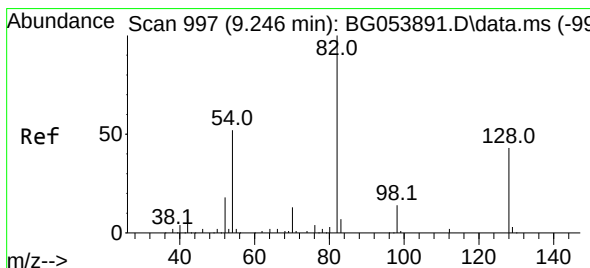
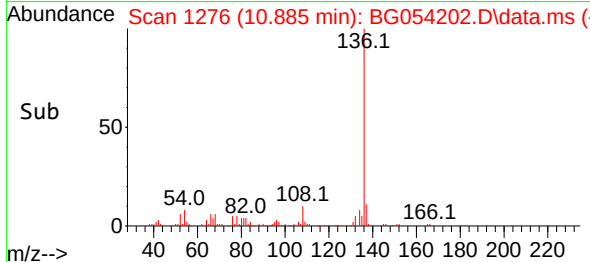
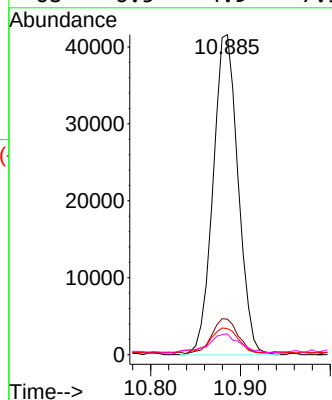
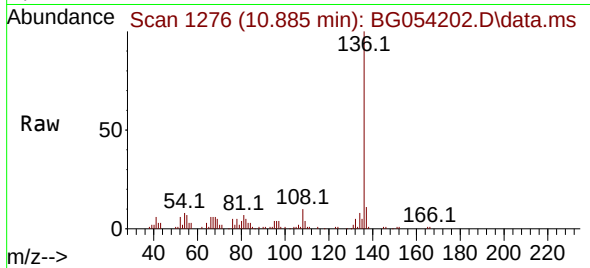




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 11
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

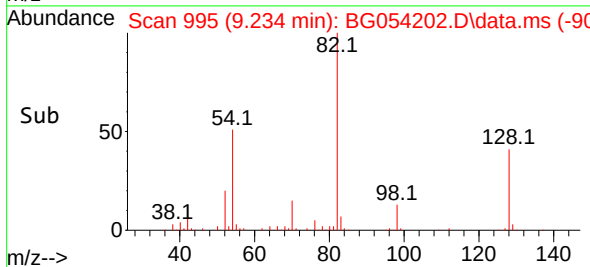
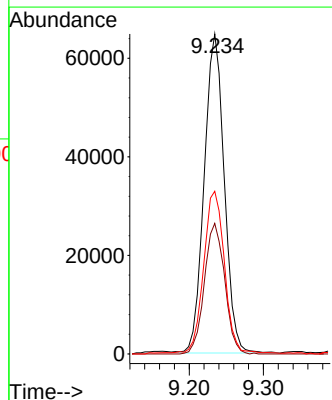
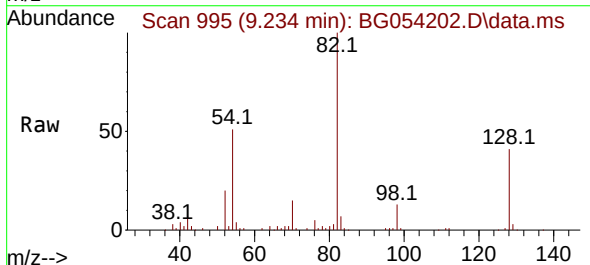
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

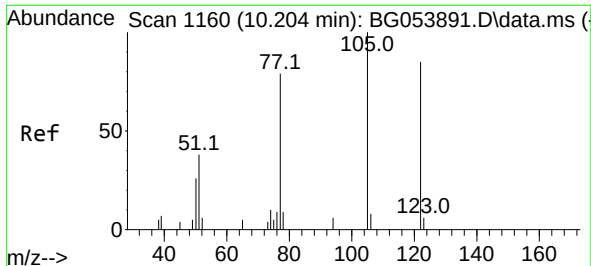
Tgt Ion:136	Resp:	80352
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	8.2	7.4 11.2
68	6.5	4.9 7.3



#23
Nitrobenzene-d5
Concen: 85.035 ng
RT: 9.234 min Scan# 995
Delta R.T. 0.001 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion: 82	Resp:	121587
Ion Ratio	Lower	Upper
82	100	
128	40.8	27.9 41.9
54	50.9	41.2 61.8

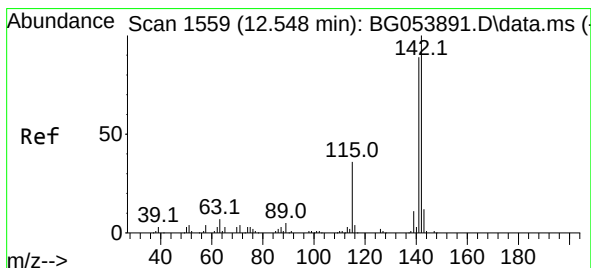
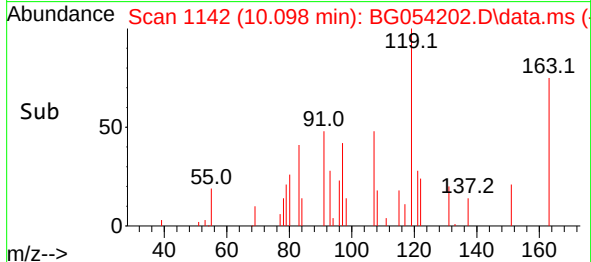
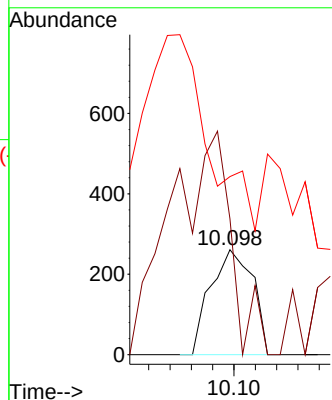
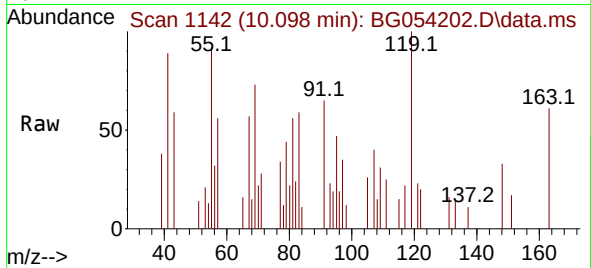




#32
Benzoic acid
Concen: 11.911 ng
RT: 10.098 min Scan# 1142
Delta R.T. -0.099 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

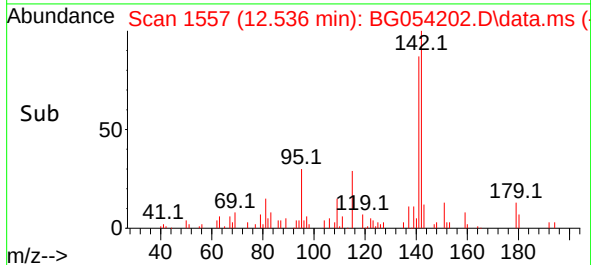
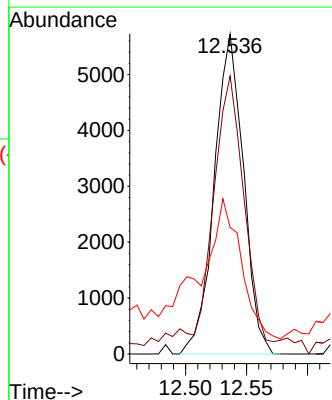
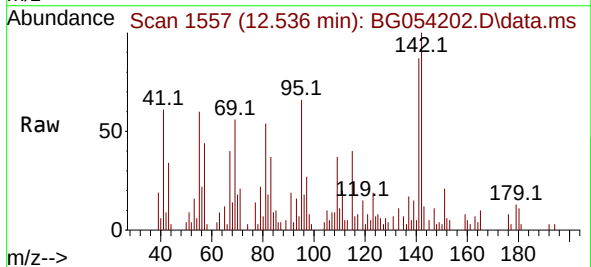
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

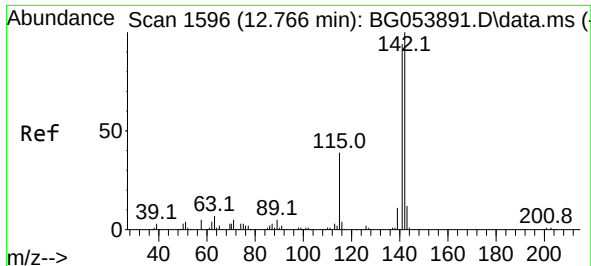
Tgt Ion:122 Resp: 359
Ion Ratio Lower Upper
122 100
105 129.5 111.8 151.8
77 169.7 109.4 149.4#



#37
2-Methylnaphthalene
Concen: 3.171 ng
RT: 12.536 min Scan# 1557
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:142 Resp: 9518
Ion Ratio Lower Upper
142 100
141 86.8 72.3 108.5
115 39.6 33.7 50.5

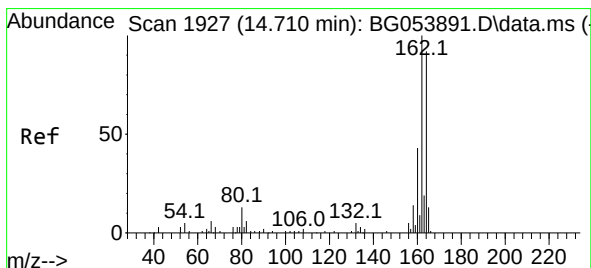
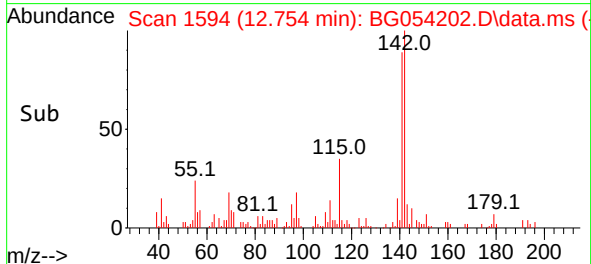
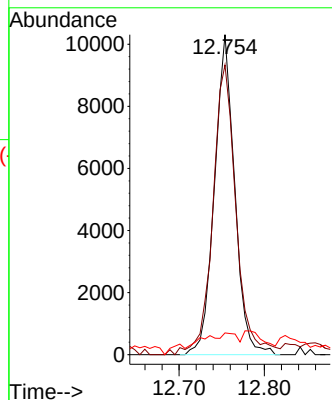
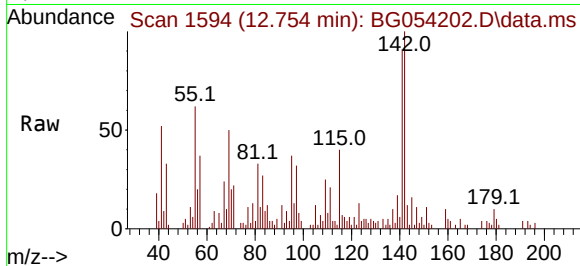




#38
1-Methylnaphthalene
Concen: 5.828 ng
RT: 12.754 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

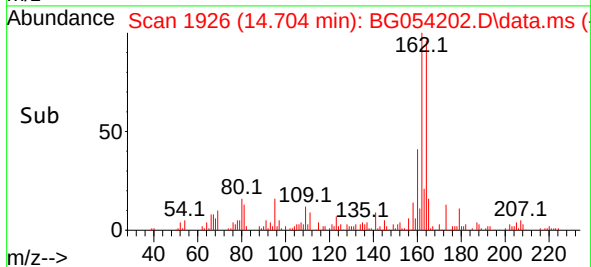
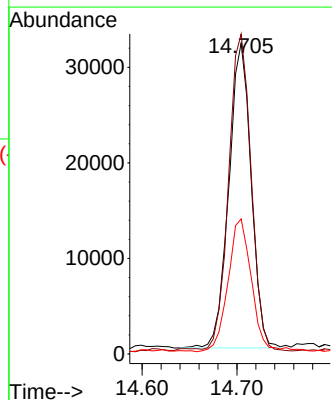
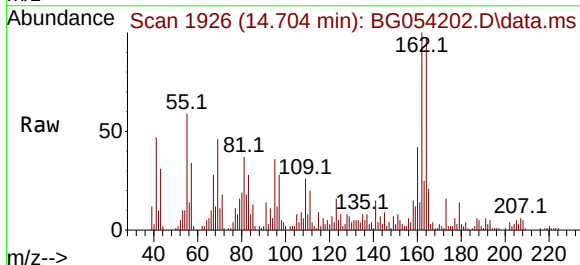
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

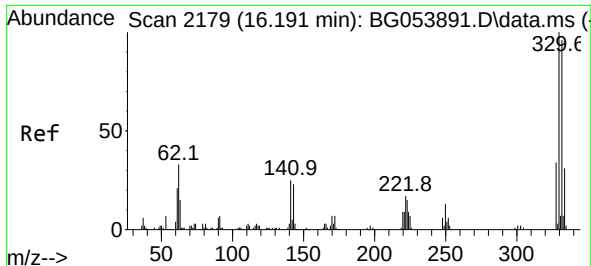
Tgt Ion:142 Resp: 17031
Ion Ratio Lower Upper
142 100
141 90.6 76.4 114.6
116 6.8 3.3 4.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1926
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:164 Resp: 52037
Ion Ratio Lower Upper
164 100
162 102.9 82.3 123.5
160 43.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 125.044 ng

RT: 16.197 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

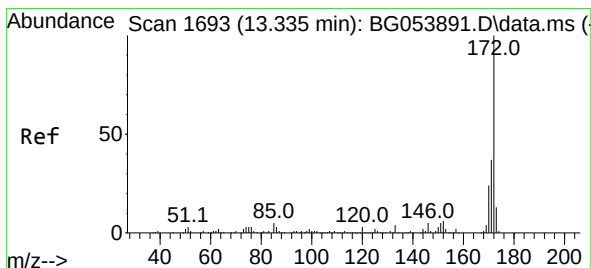
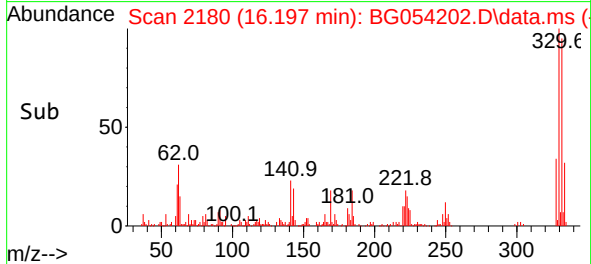
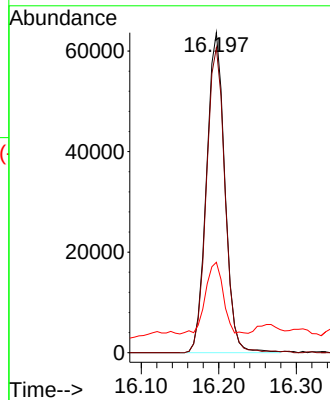
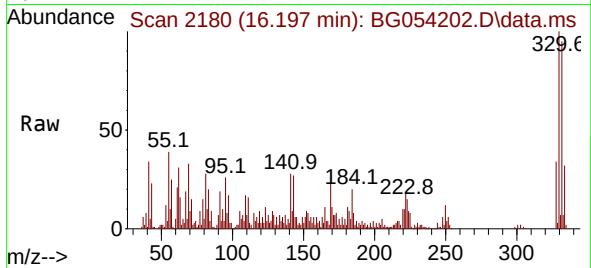
Tgt Ion:330 Resp: 104545

Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

141 21.7 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 87.428 ng

RT: 13.324 min Scan# 1691

Delta R.T. 0.001 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

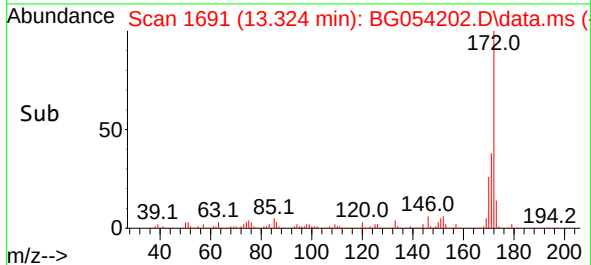
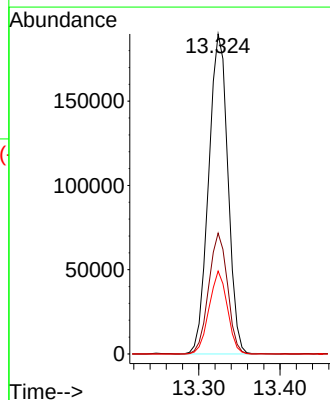
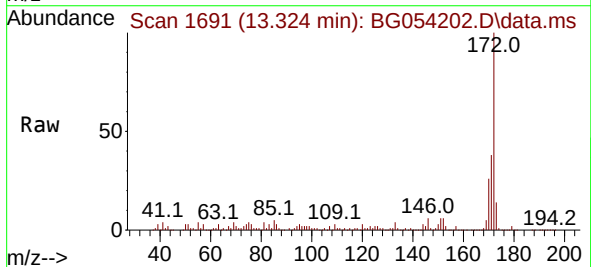
Tgt Ion:172 Resp: 312866

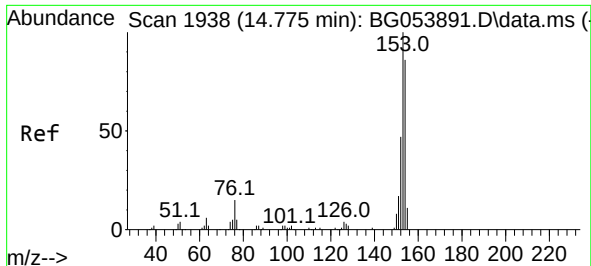
Ion Ratio Lower Upper

172 100

171 37.7 28.5 42.7

170 25.9 18.9 28.3

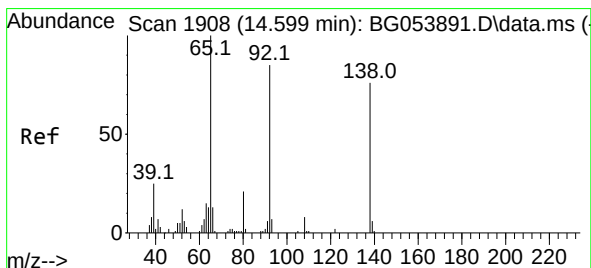
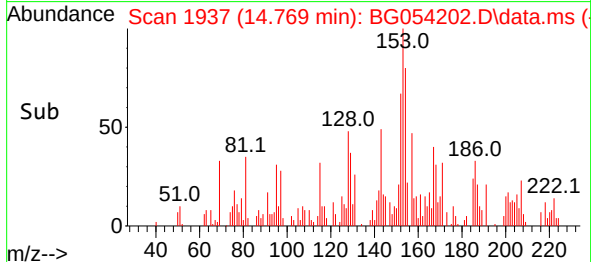
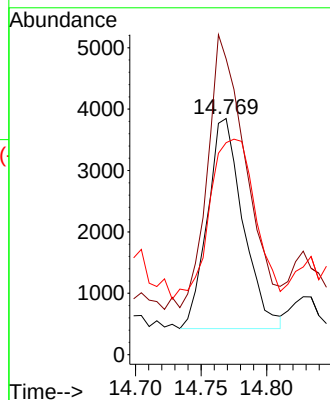
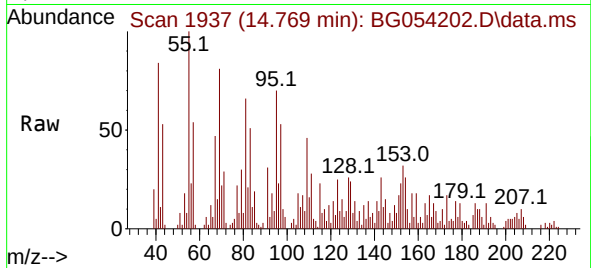




#52
Acenaphthene
Concen: 2.225 ng
RT: 14.769 min Scan# 1911
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

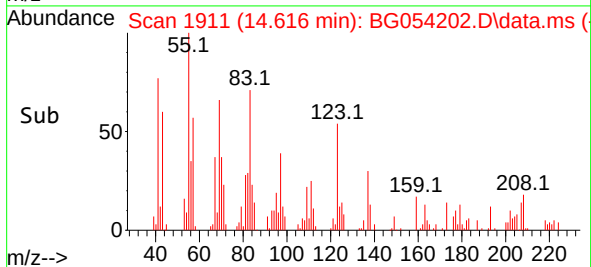
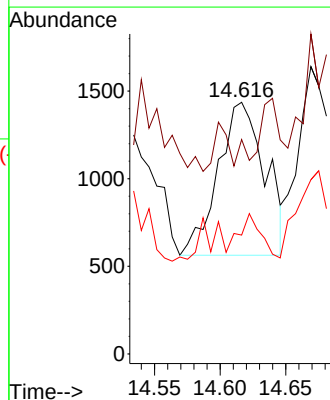
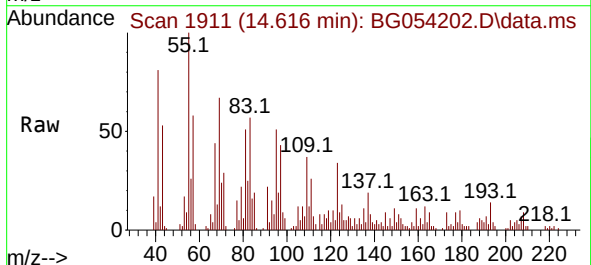
Instrument :
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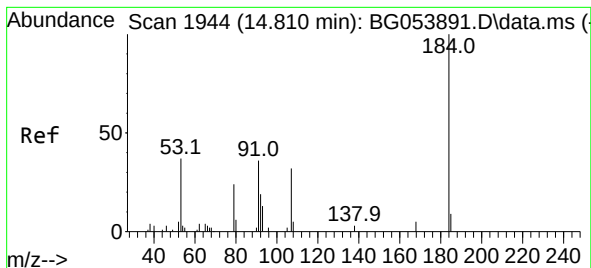
Tgt Ion:154 Resp: 6470
Ion Ratio Lower Upper
154 100
153 125.3 92.7 139.1
152 89.8 42.6 64.0#



#53
3-Nitroaniline
Concen: 2.791 ng
RT: 14.616 min Scan# 1911
Delta R.T. 0.024 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:138 Resp: 2165
Ion Ratio Lower Upper
138 100
108 85.2 9.2 13.8#
92 47.2 101.9 152.9#

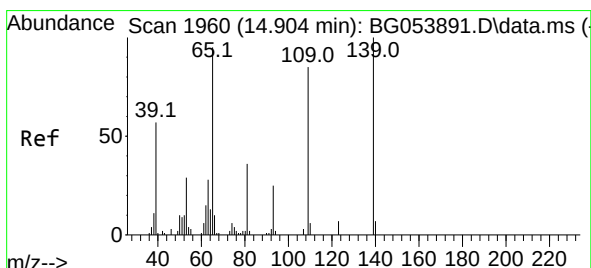
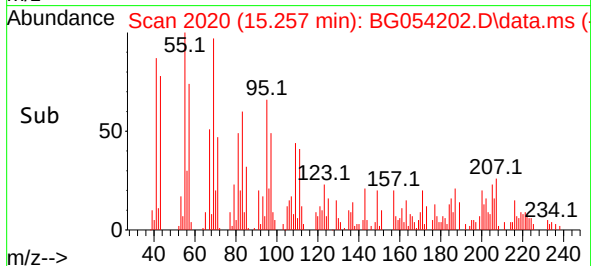
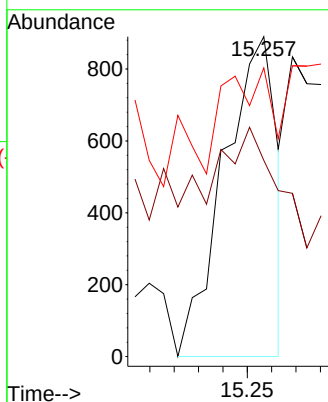
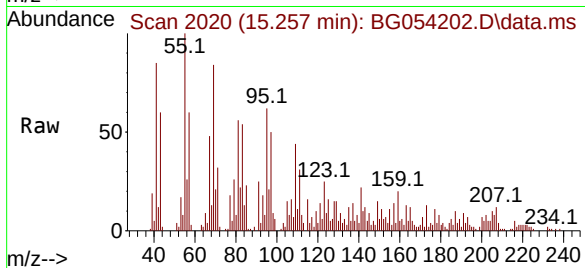




#54
2,4-Dinitrophenol
Concen: 9.816 ng
RT: 15.257 min Scan# 20
Delta R.T. 0.453 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

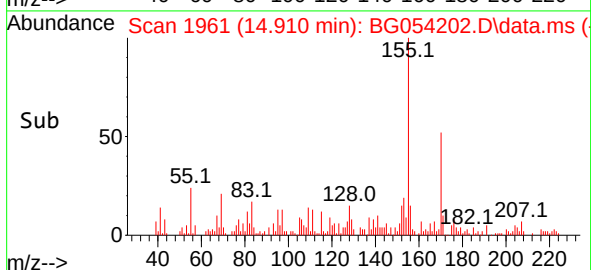
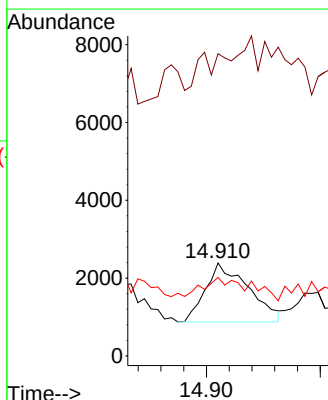
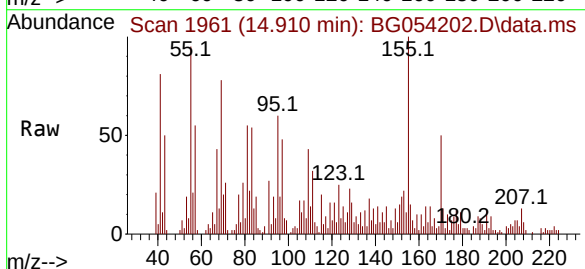
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

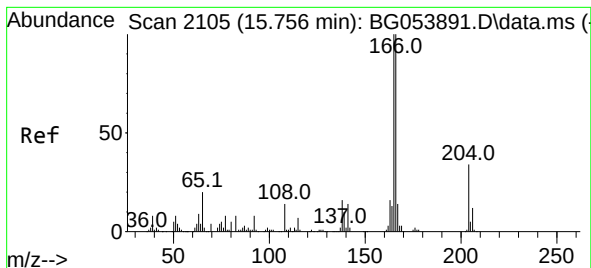
Tgt Ion:184 Resp: 1340
Ion Ratio Lower Upper
184 100
63 61.3 61.1 91.7
154 90.2 60.6 91.0



#56
4-Nitrophenol
Concen: 7.187 ng
RT: 14.910 min Scan# 1961
Delta R.T. 0.012 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:139 Resp: 3958
Ion Ratio Lower Upper
139 100
109 325.4 88.5 128.5#
65 84.6 93.9 133.9#





#58

Fluorene

Concen: 3.818 ng

RT: 15.750 min Scan# 2105

Delta R.T. 0.007 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

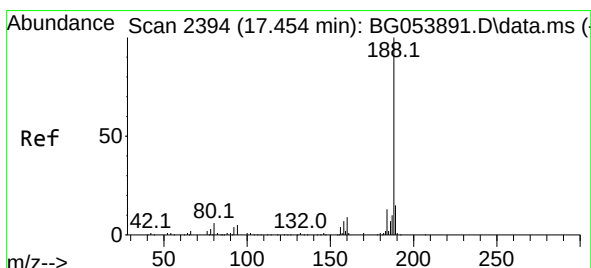
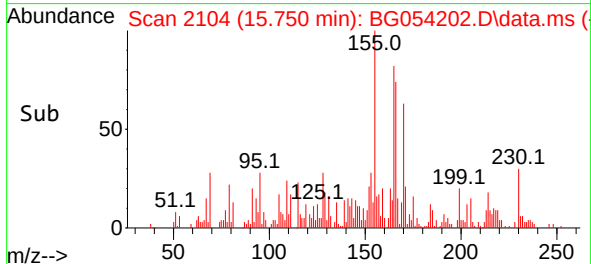
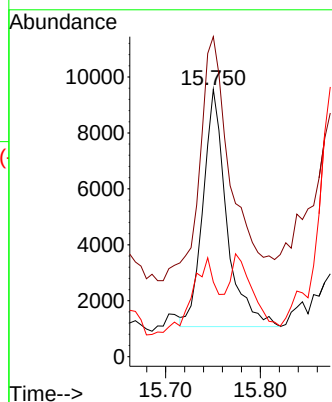
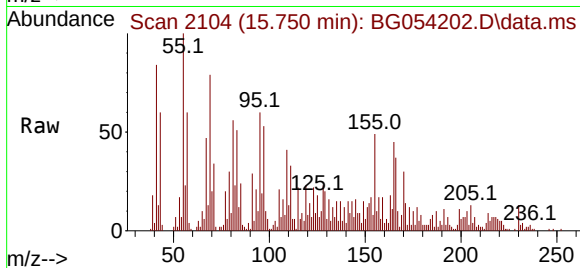
Tgt Ion:166 Resp: 14687

Ion Ratio Lower Upper

166 100

165 119.7 75.0 112.6#

167 27.9 10.8 16.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.454 min Scan# 2394

Delta R.T. 0.012 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

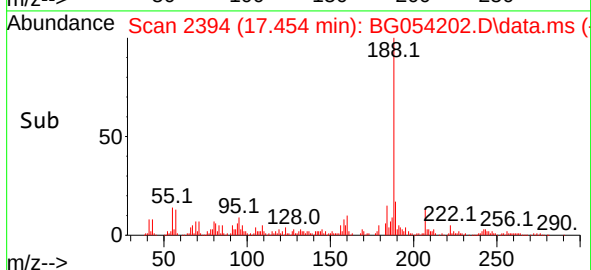
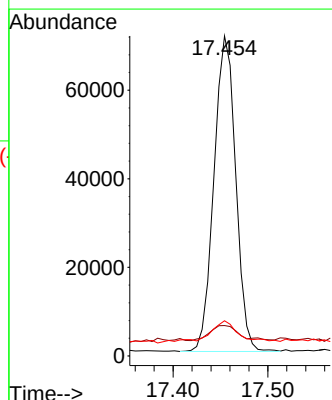
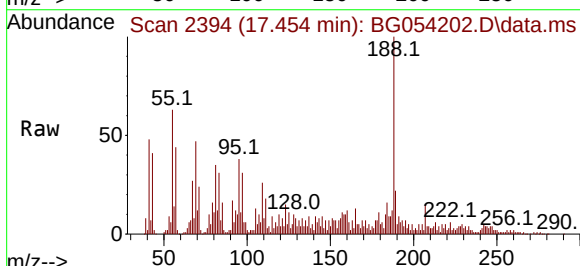
Tgt Ion:188 Resp: 113602

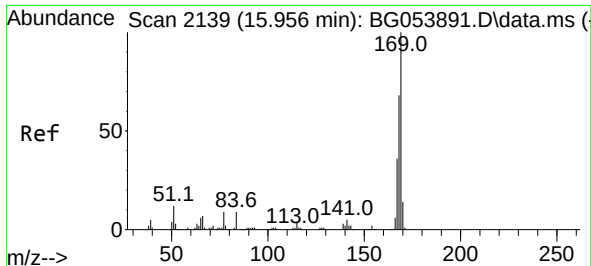
Ion Ratio Lower Upper

188 100

94 9.5 5.4 8.0#

80 11.0 6.8 10.2#

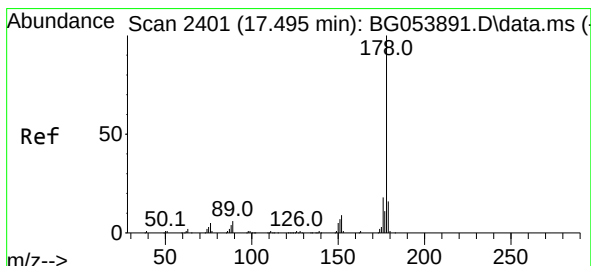
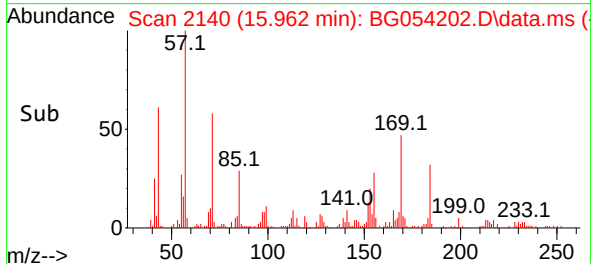
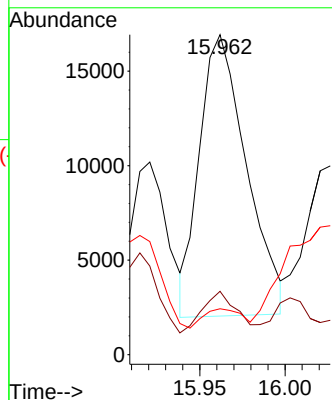
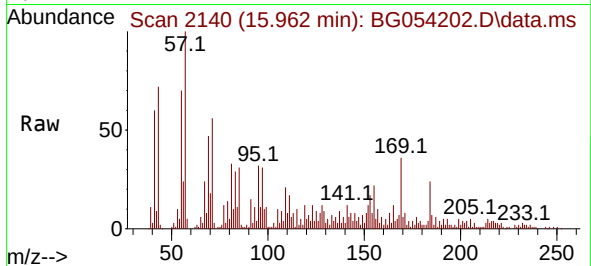




#66
n-Nitrosodiphenylamine
Concen: 9.630 ng
RT: 15.962 min Scan# 2139
Delta R.T. 0.018 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

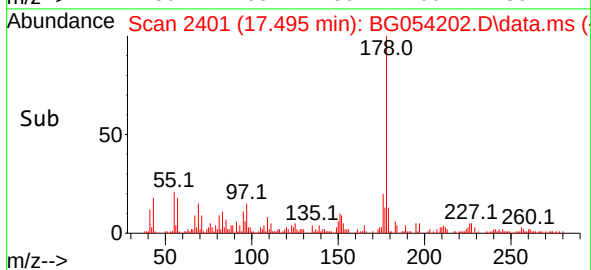
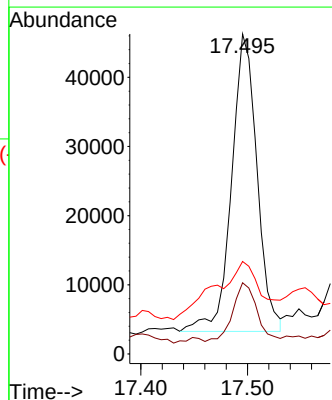
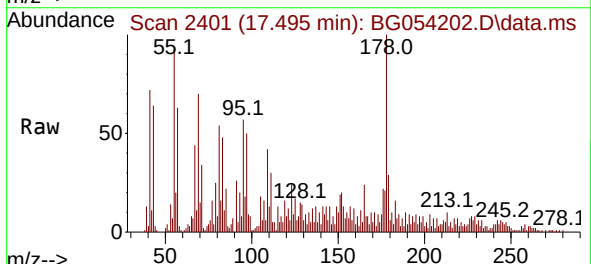
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

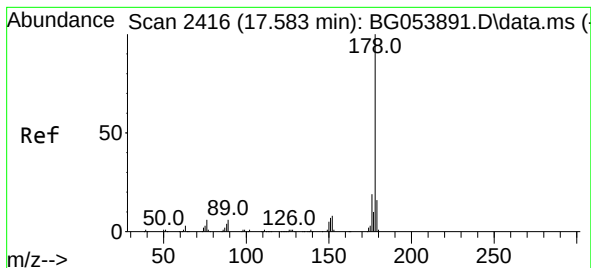
Tgt Ion:169 Resp: 28510
Ion Ratio Lower Upper
169 100
168 19.8 55.9 83.9#
167 14.4 30.6 46.0#



#71
Phenanthrene
Concen: 12.256 ng
RT: 17.495 min Scan# 2401
Delta R.T. 0.012 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:178 Resp: 71535
Ion Ratio Lower Upper
178 100
176 22.2 14.1 21.1#
179 28.9 12.1 18.1#





#72

Anthracene

Concen: 2.801 ng

RT: 17.589 min Scan# 2416

Delta R.T. 0.012 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

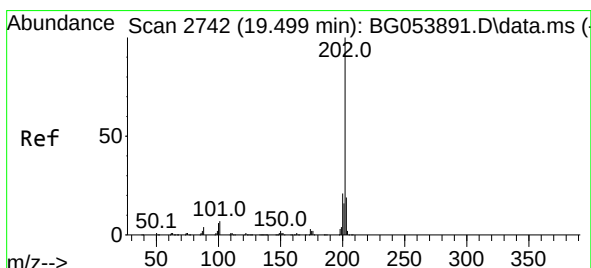
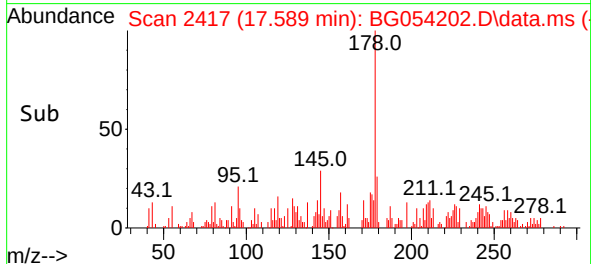
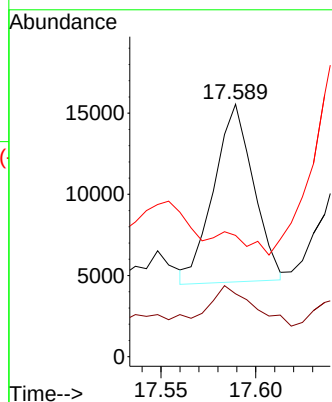
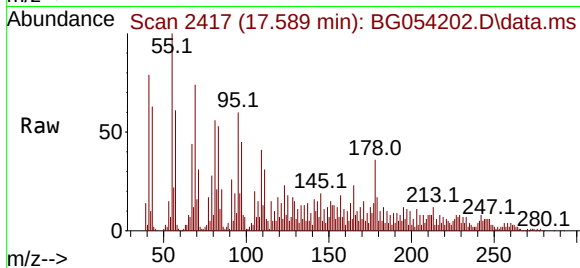
Tgt Ion:178 Resp: 15966

Ion Ratio Lower Upper

178 100

176 24.9 15.2 22.8#

179 48.0 13.0 19.4#



#75

Fluoranthene

Concen: 15.939 ng

RT: 19.517 min Scan# 2745

Delta R.T. 0.024 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

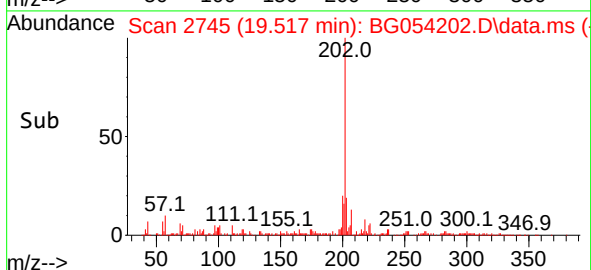
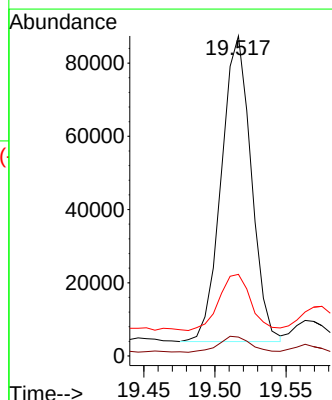
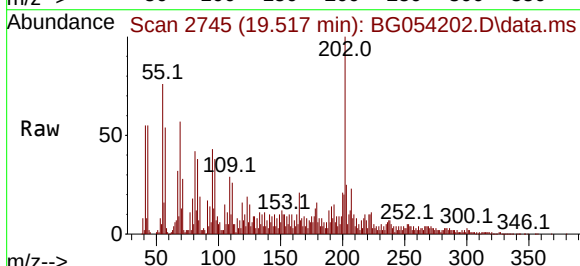
Tgt Ion:202 Resp: 122122

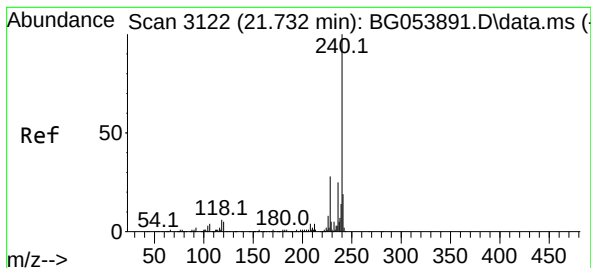
Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.9

203 25.5 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.755 min Scan# 31

Delta R.T. 0.036 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

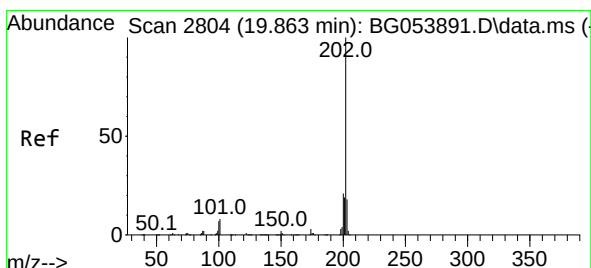
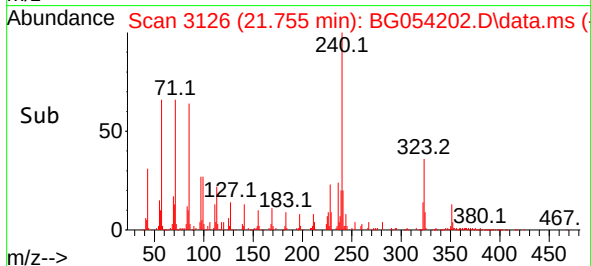
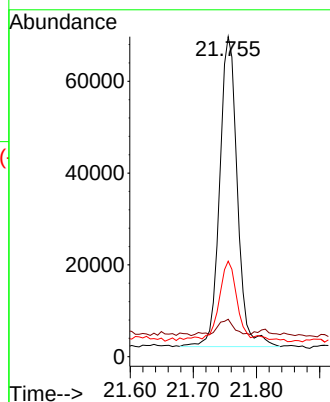
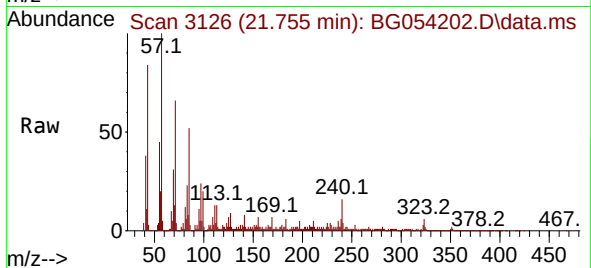
Tgt Ion:240 Resp: 131016

Ion Ratio Lower Upper

240 100

120 11.7 4.6 7.0#

236 29.8 20.2 30.4



#78

Pyrene

Concen: 19.088 ng

RT: 19.875 min Scan# 2806

Delta R.T. 0.024 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

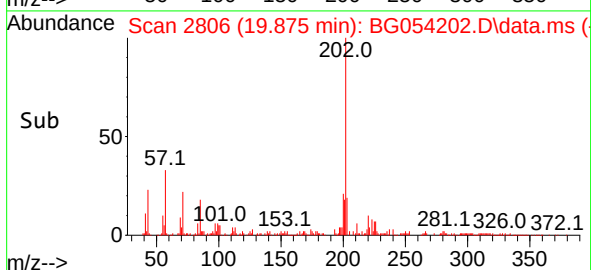
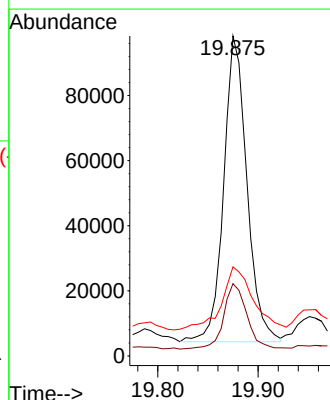
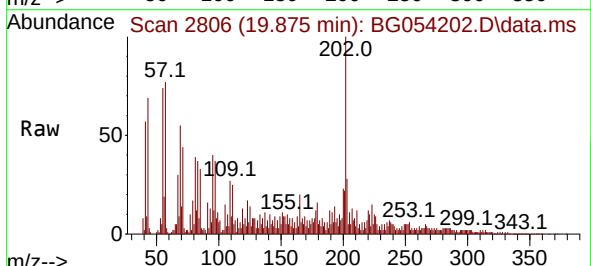
Tgt Ion:202 Resp: 151047

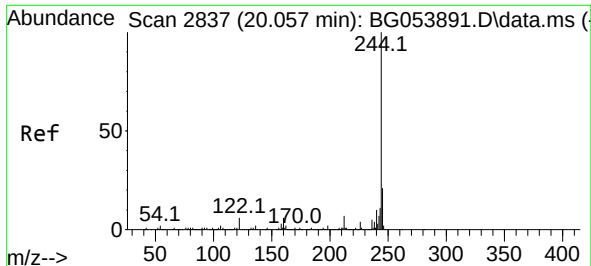
Ion Ratio Lower Upper

202 100

200 22.6 16.6 24.8

203 27.8 14.6 21.8#

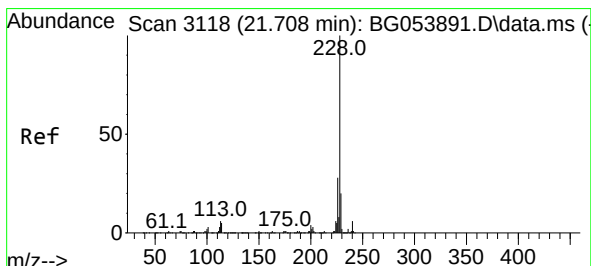
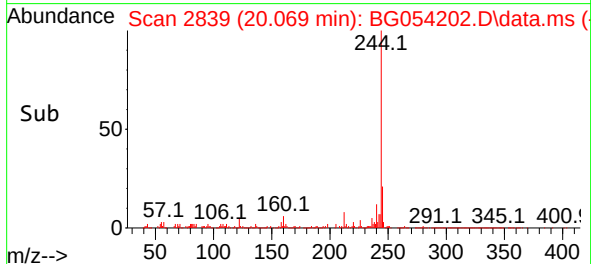
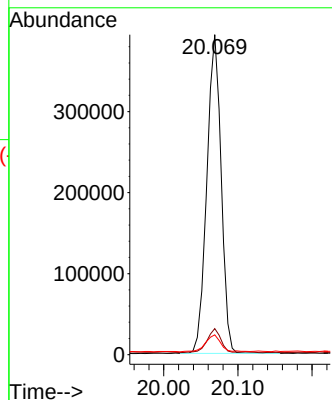
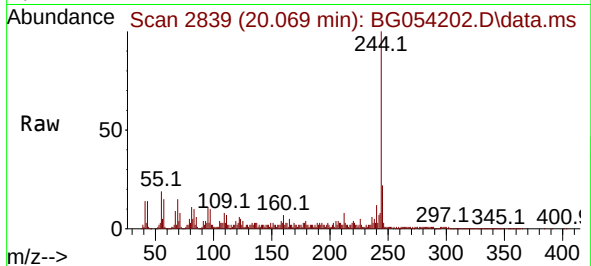




#79
 Terphenyl-d14
 Concen: 81.098 ng
 RT: 20.069 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BG054202.D
 Acq: 1 Jul 2022 22:14

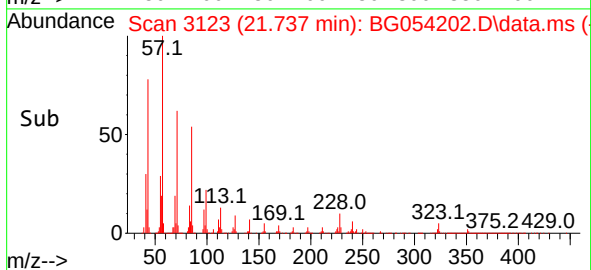
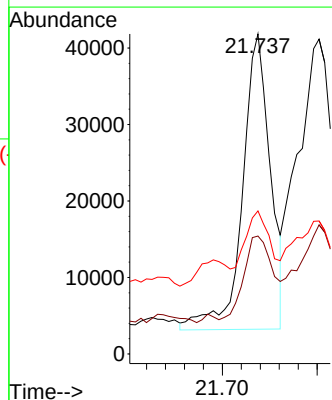
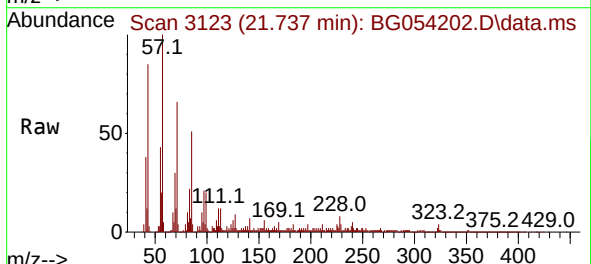
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-6

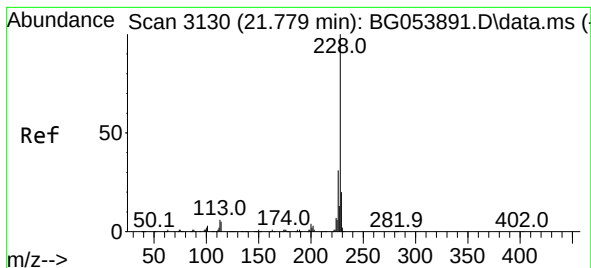
Tgt Ion:244 Resp: 527545
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 6.2 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 9.301 ng
 RT: 21.737 min Scan# 3123
 Delta R.T. 0.042 min
 Lab File: BG054202.D
 Acq: 1 Jul 2022 22:14

Tgt Ion:228 Resp: 78898
 Ion Ratio Lower Upper
 228 100
 226 36.8 21.6 32.4#
 229 44.7 16.2 24.2#





#83

Chrysene

Concen: 12.718 ng

RT: 21.802 min Scan# 31

Delta R.T. 0.042 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

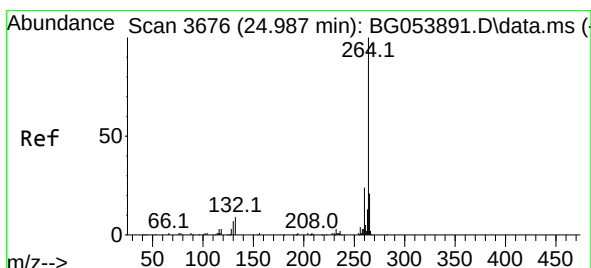
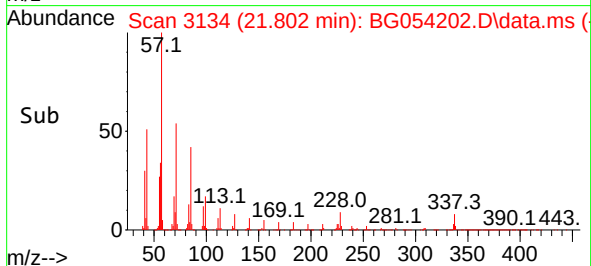
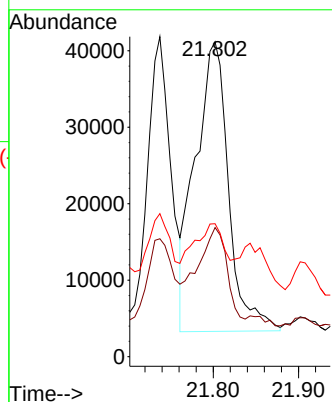
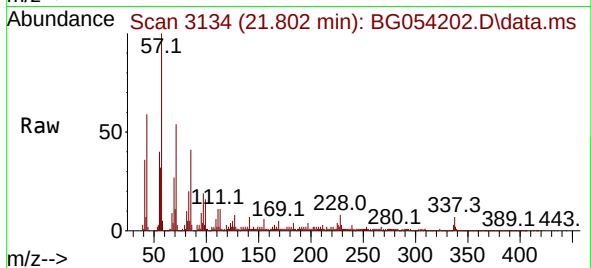
Tgt Ion:228 Resp: 102836

Ion Ratio Lower Upper

228 100

226 41.0 23.4 35.2#

229 42.2 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.075 min Scan# 3691

Delta R.T. 0.112 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

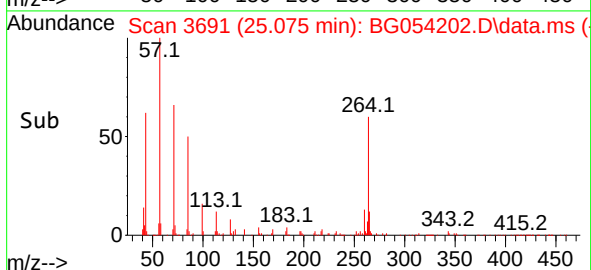
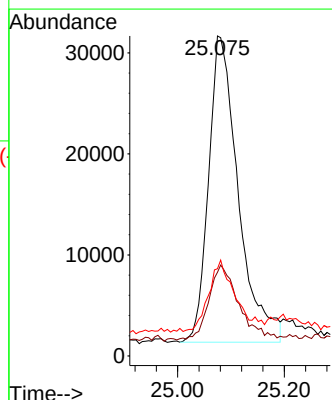
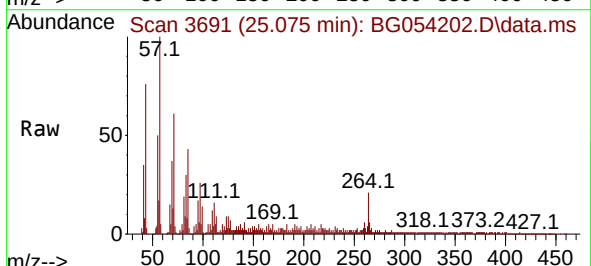
Tgt Ion:264 Resp: 117470

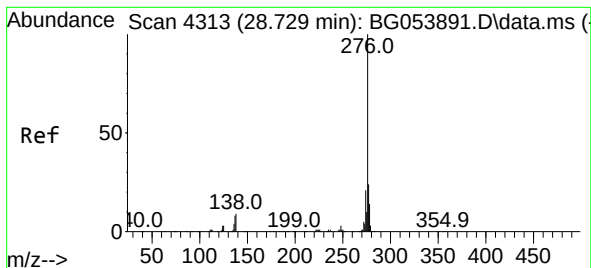
Ion Ratio Lower Upper

264 100

260 26.2 19.0 28.6

265 27.2 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.452 ng

RT: 28.864 min Scan# 41

Delta R.T. 0.177 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

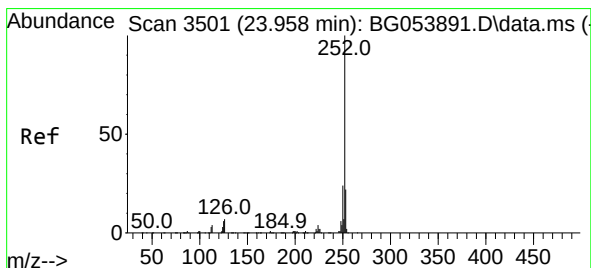
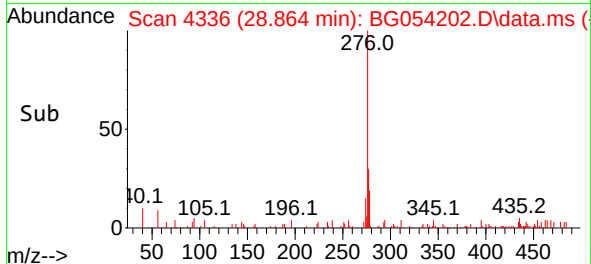
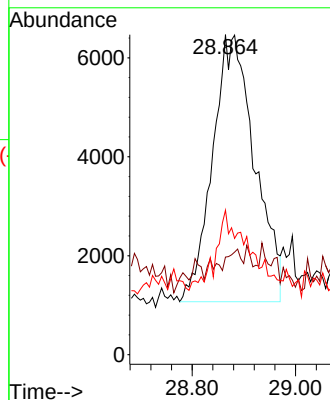
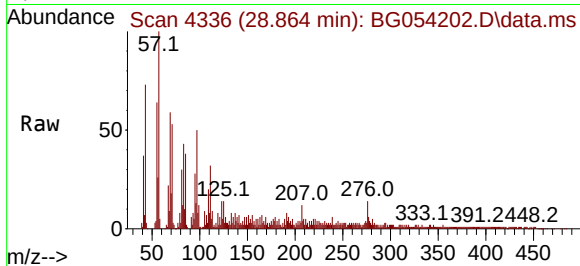
Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

Tgt Ion:	276	Resp:	30605
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.0	7.4#
277	23.1	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 16.948 ng

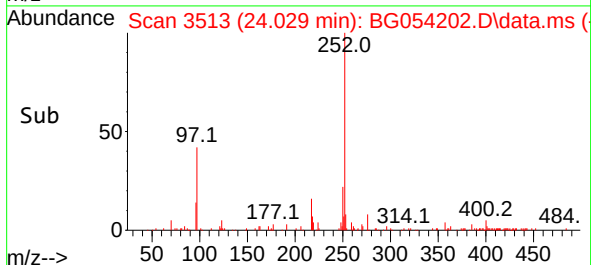
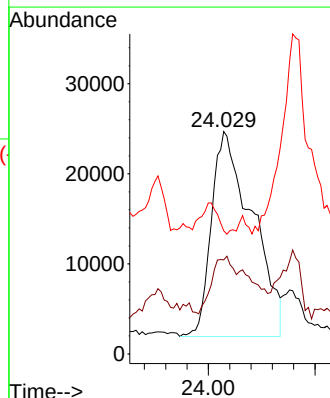
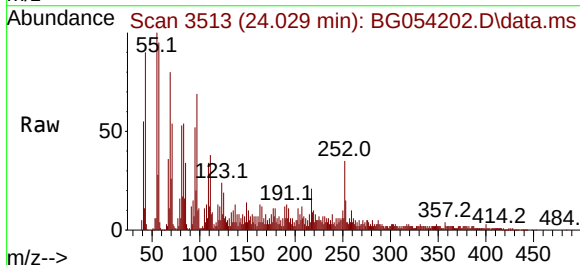
RT: 24.029 min Scan# 3513

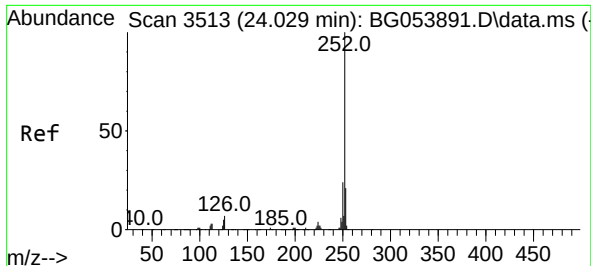
Delta R.T. 0.095 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Tgt Ion:	252	Resp:	121053
Ion Ratio	Lower	Upper	
252	100		
253	42.3	18.0	27.0#
125	55.4	4.6	6.8#

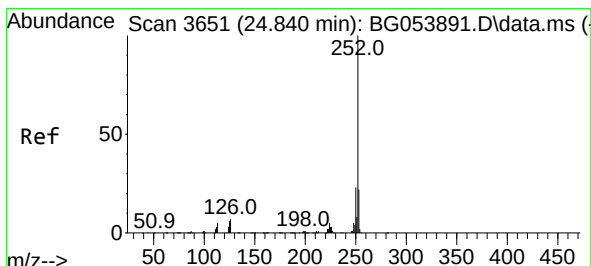
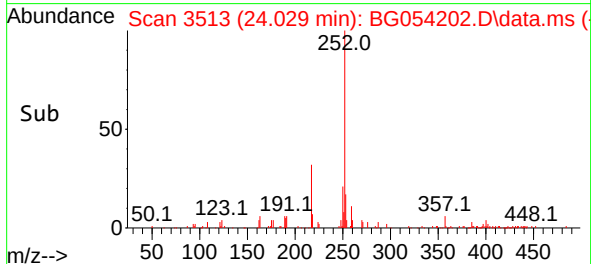
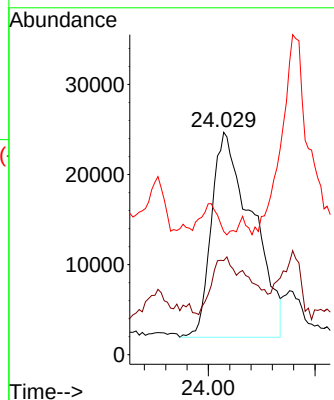
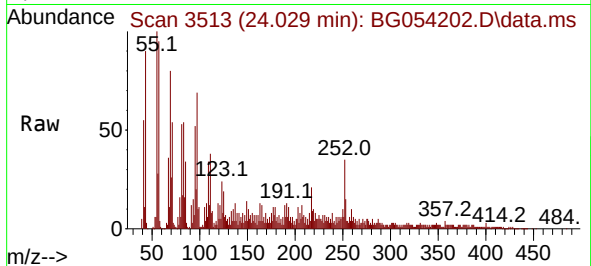




#89
Benzo(k)fluoranthene
Concen: 17.118 ng
RT: 24.029 min Scan# 3513
Delta R.T. 0.024 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

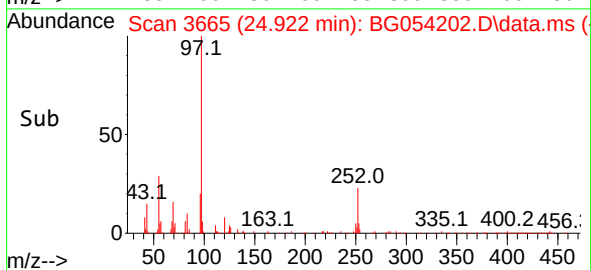
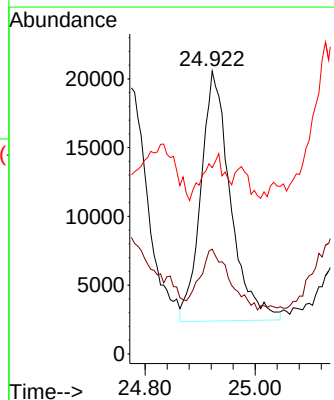
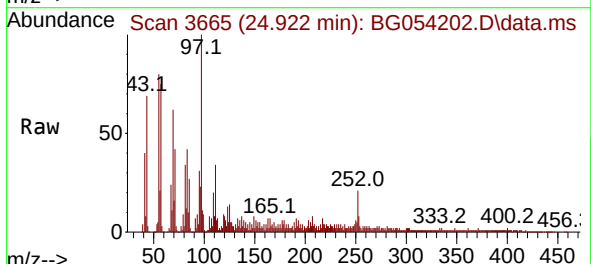
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

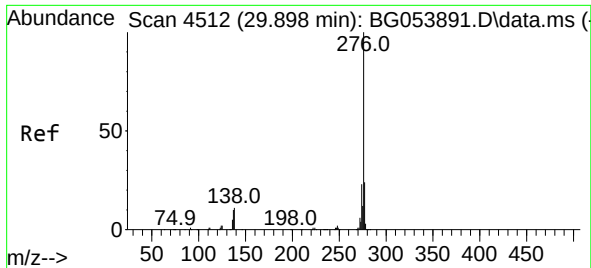
Tgt Ion:252 Resp: 121053
Ion Ratio Lower Upper
252 100
253 42.3 18.4 27.6#
125 55.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 11.226 ng
RT: 24.922 min Scan# 3665
Delta R.T. 0.106 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:252 Resp: 67651
Ion Ratio Lower Upper
252 100
253 37.1 17.8 26.8#
125 65.9 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 2.206 ng

RT: 30.051 min Scan# 4

Delta R.T. 0.189 min

Lab File: BG054202.D

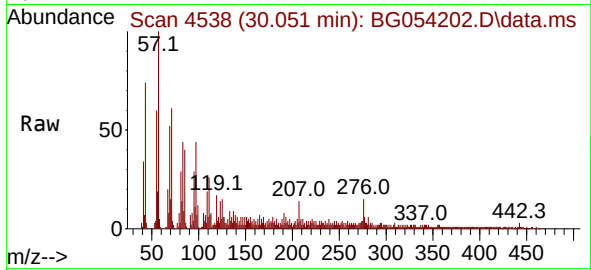
Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6



Tgt Ion:276 Resp: 15959

Ion Ratio Lower Upper

276 100

277 38.8 17.3 25.9#

138 28.5 9.6 14.4#

