

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054847.D
 Acq On : 2 Sep 2022 19:41
 Operator : CG/JU
 Sample : N4490-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14-A-SP

Quant Time: Sep 03 00:30:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

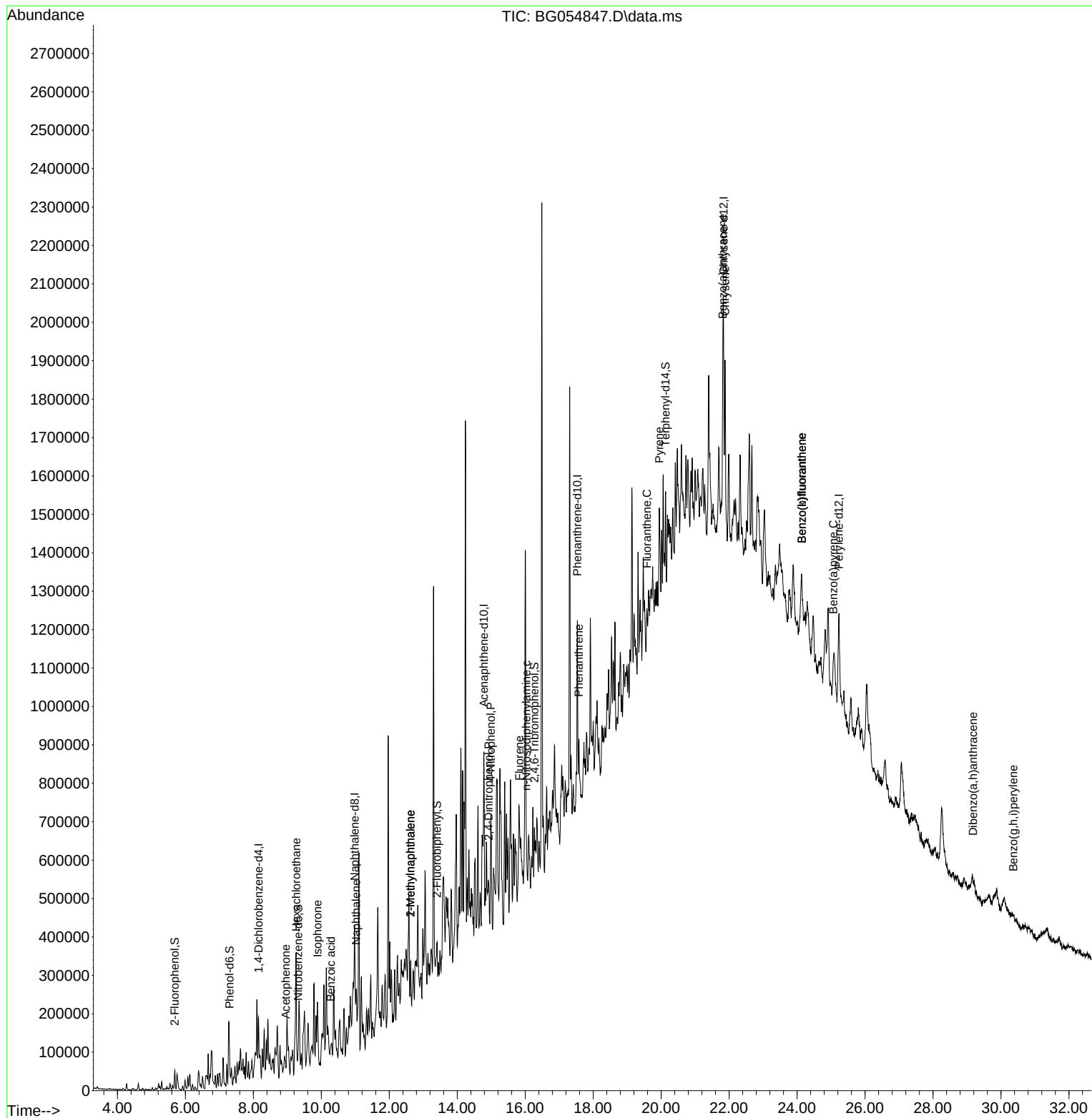
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	51043	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	202854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.786	164	126934	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	252772	20.000	ng	# 0.00
76) Chrysene-d12	21.837	240	239951	20.000	ng	0.01
86) Perylene-d12	25.233	264	243616	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	21595	7.367	ng	0.00
7) Phenol-d6	7.301	99	29499	7.359	ng	0.00
23) Nitrobenzene-d5	9.322	82	24049	6.224	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	10783	6.798	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	46675	5.527	ng	0.00
79) Terphenyl-d14	20.133	244	68346	5.644	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.263	117	15907	11.735	ng	# 1
22) Acetophenone	8.952	105	14305	2.819	ng	# 56
25) Isophorone	9.886	82	18040	2.504	ng	# 1
31) Naphthalene	11.026	128	28296	2.600	ng	# 85
32) Benzoic acid	10.280	122	452	7.998	ng	# 1
37) 2-Methylnaphthalene	12.624	142	67756	8.882	ng	98
38) 1-Methylnaphthalene	12.624	142	67756	9.130	ng	93
54) 2,4-Dinitrophenol	14.927	184	107	6.786	ng	# 1
56) 4-Nitrophenol	14.986	139	10070	5.811	ng	# 23
58) Fluorene	15.832	166	29908	3.184	ng	# 85
66) n-Nitrosodiphenylamine	16.032	169	41956	5.756	ng	# 42
71) Phenanthrene	17.577	178	93699	6.959	ng	# 93
75) Fluoranthene	19.587	202	32864	2.006	ng	76
78) Pyrene	19.945	202	85381	5.103	ng	# 89
81) Benzo(a)anthracene	21.813	228	178345	10.962	ng	# 91
83) Chrysene	21.884	228	339009	21.793	ng	# 95
88) Benzo(b)fluoranthene	24.146	252	190817	12.486	ng	# 72
89) Benzo(k)fluoranthene	24.146	252	190817	12.407	ng	# 72
90) Benzo(a)pyrene	25.068	252	115426	8.840	ng	# 72
91) Dibenzo(a,h)anthracene	29.181	278	57672	3.828	ng	# 62
92) Benzo(g,h,i)perylene	30.362	276	41399	2.720	ng	# 82

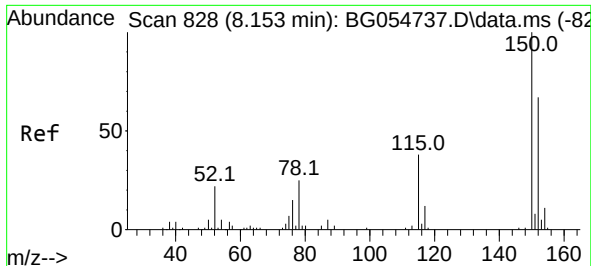
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
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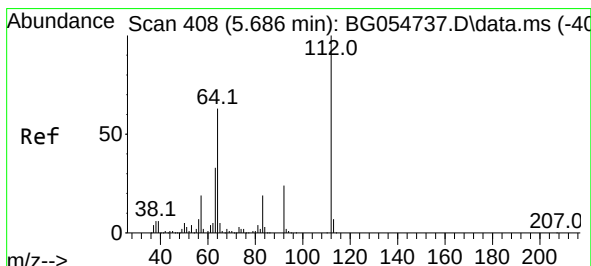
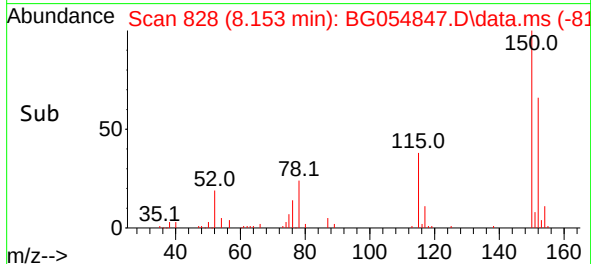
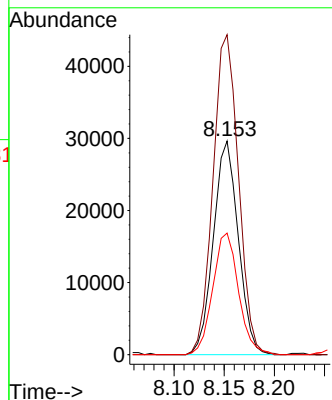
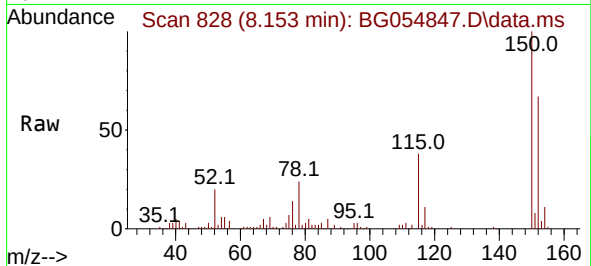




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

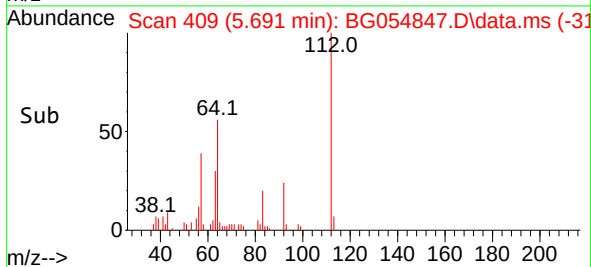
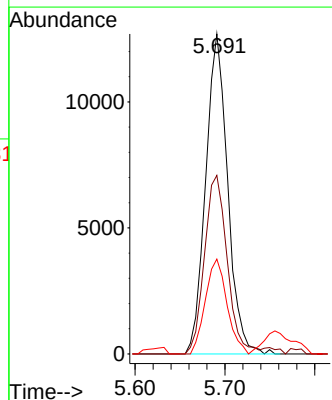
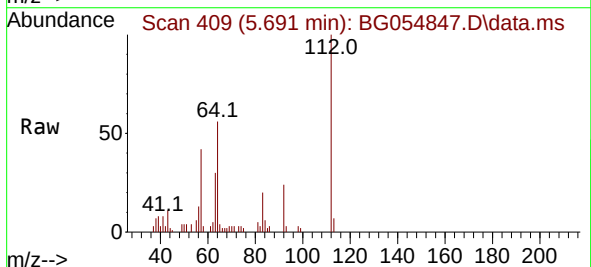
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

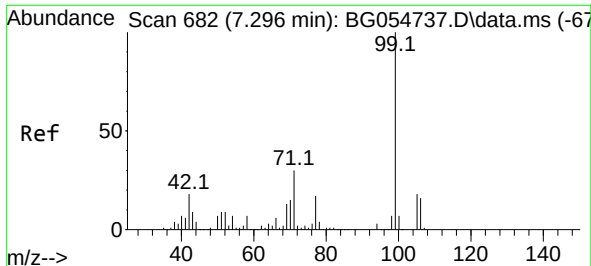
Tgt Ion:152 Resp: 51043
Ion Ratio Lower Upper
152 100
150 149.9 125.2 187.8
115 57.0 47.9 71.9



#5
2-Fluorophenol
Concen: 7.367 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:112 Resp: 21595
Ion Ratio Lower Upper
112 100
64 55.8 49.3 73.9
63 29.6 26.3 39.5

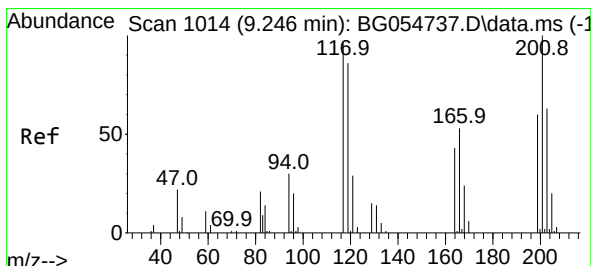
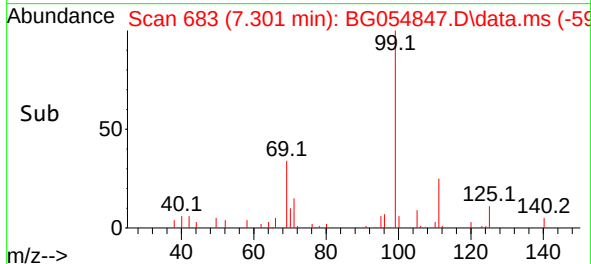
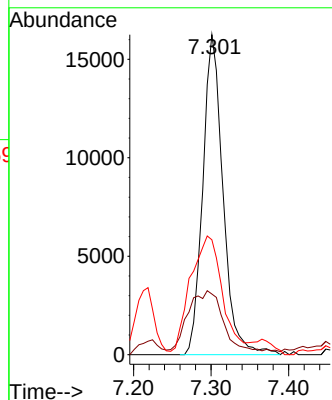
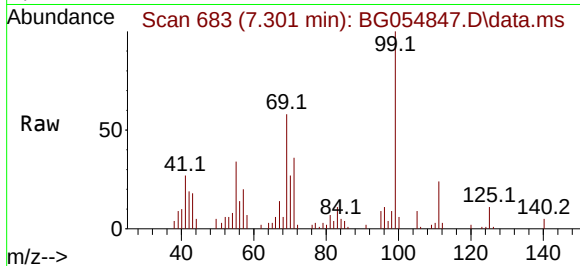




#7
Phenol-d6
Concen: 7.359 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

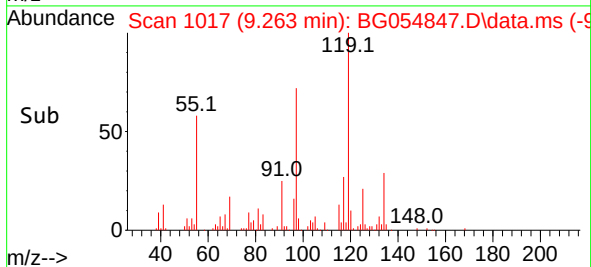
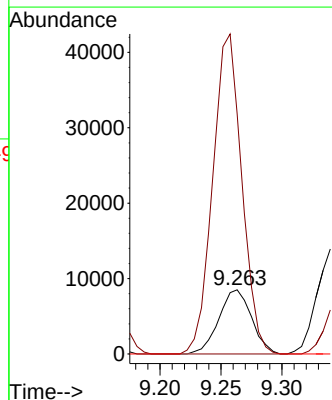
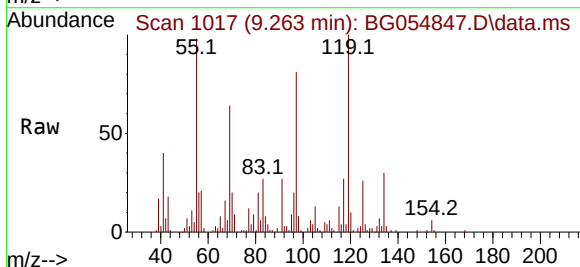
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

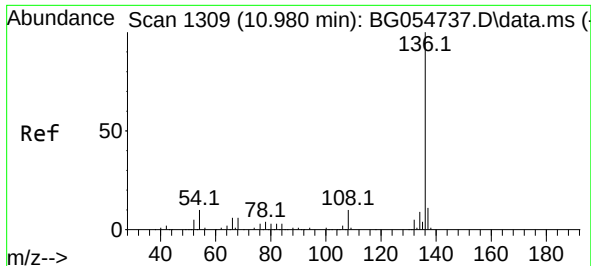
Tgt Ion:	99	Resp:	29499
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.6	22.0
71	35.9	24.6	37.0



#18
Hexachloroethane
Concen: 11.735 ng
RT: 9.263 min Scan# 1017
Delta R.T. 0.017 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:	117	Resp:	15907
Ion	Ratio	Lower	Upper
117	100		
119	373.6	77.0	115.6#
201	0.0	87.2	130.8#

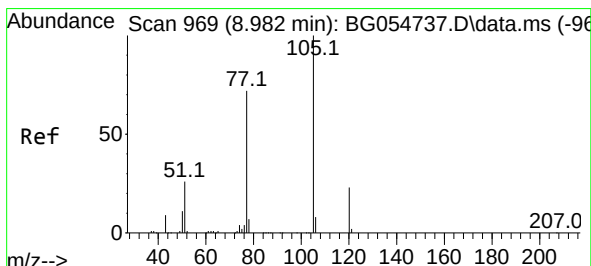
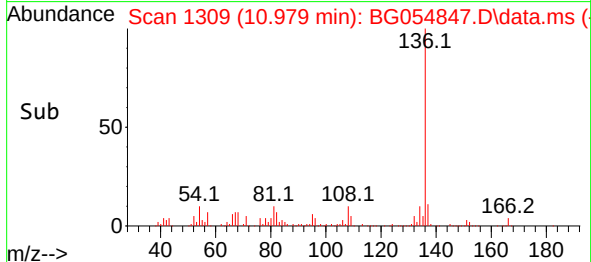
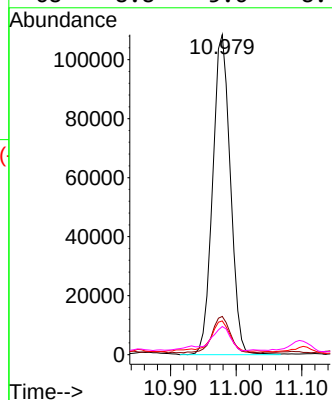
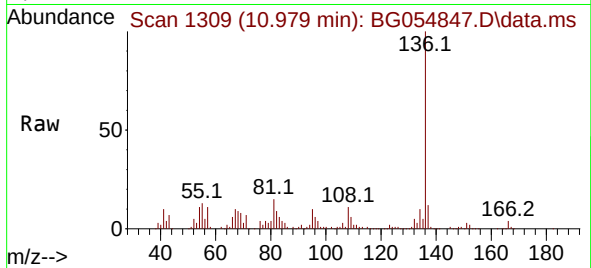




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

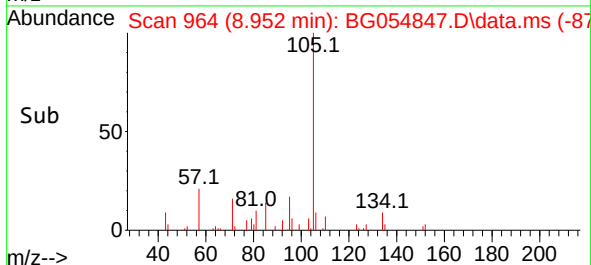
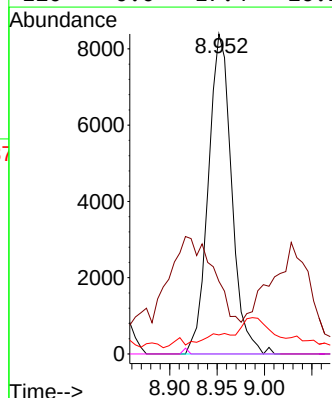
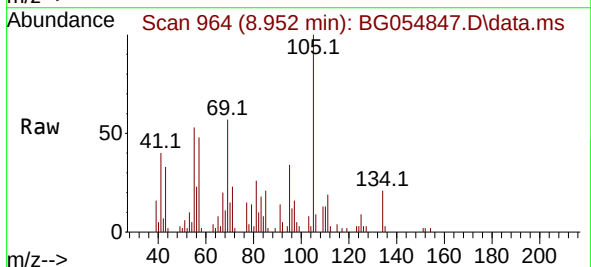
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

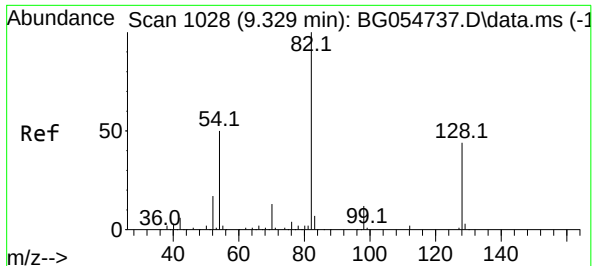
Tgt Ion:136 Resp: 202854
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 10.6 7.7 11.5
68 8.8 5.6 8.4#



#22
Acetophenone
Concen: 2.819 ng
RT: 8.952 min Scan# 964
Delta R.T. -0.030 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:105 Resp: 14305
Ion Ratio Lower Upper
105 100
71 22.7 1.2 1.8#
51 5.9 22.9 34.3#
120 0.0 17.4 26.2#





#23

Nitrobenzene-d5

Concen: 6.224 ng

RT: 9.322 min Scan# 1102

Delta R.T. -0.007 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

WC-14-A-SP

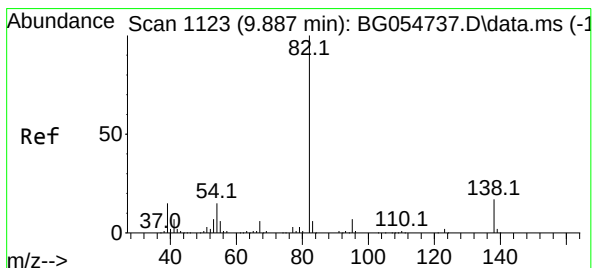
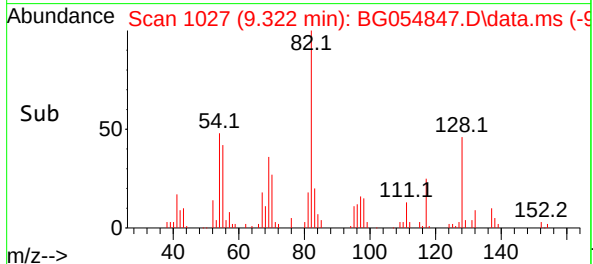
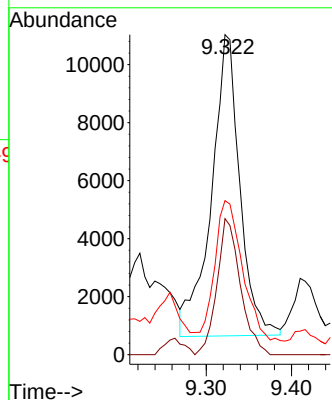
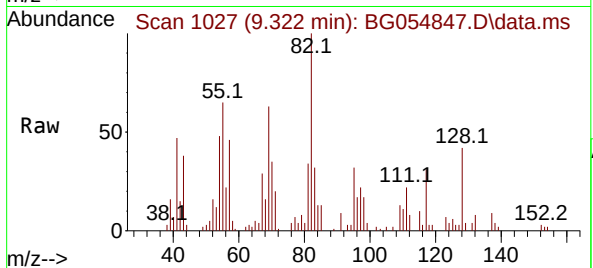
Tgt Ion: 82 Resp: 24049

Ion Ratio Lower Upper

82 100

128 42.5 32.2 48.2

54 48.2 41.4 62.0



#25

Isophorone

Concen: 2.504 ng

RT: 9.886 min Scan# 1123

Delta R.T. -0.001 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

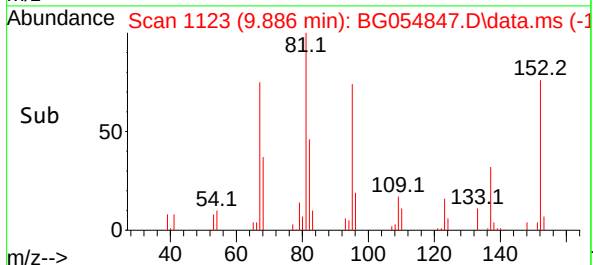
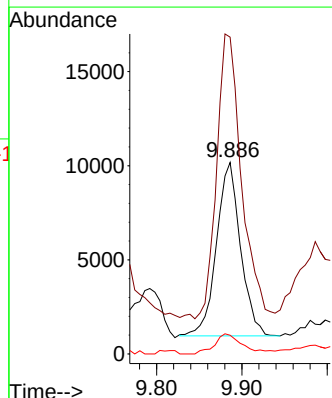
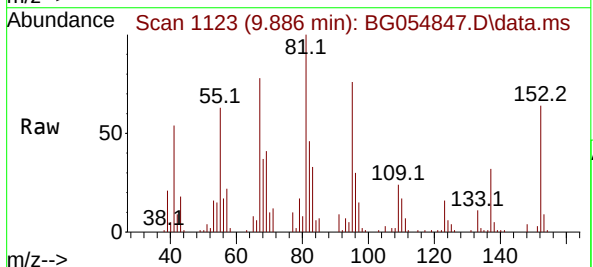
Tgt Ion: 82 Resp: 18040

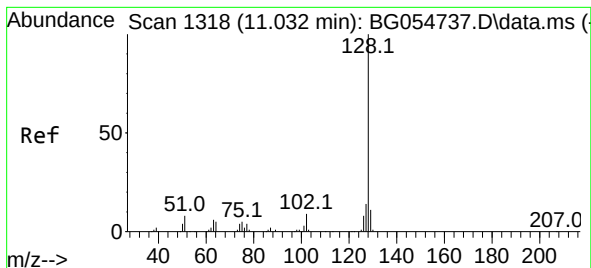
Ion Ratio Lower Upper

82 100

95 165.4 5.6 8.4#

138 9.7 13.9 20.9#

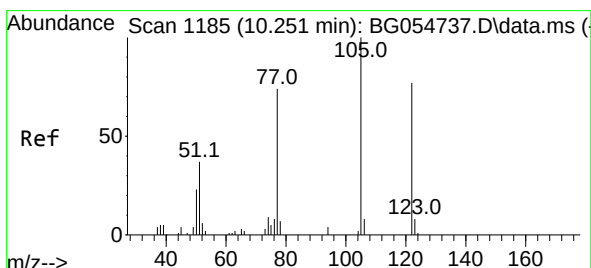
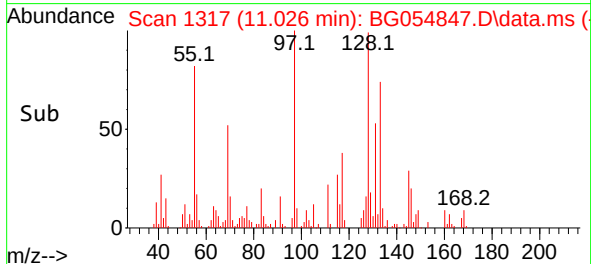
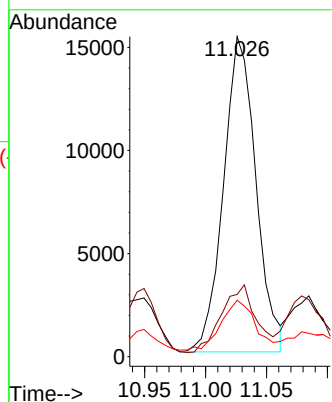
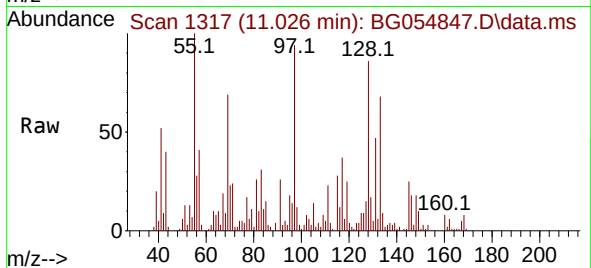




#31
Naphthalene
Concen: 2.600 ng
RT: 11.026 min Scan# 1190
Delta R.T. -0.007 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

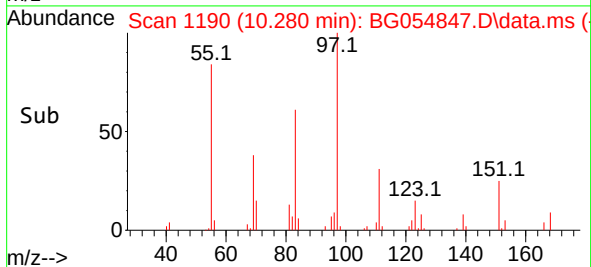
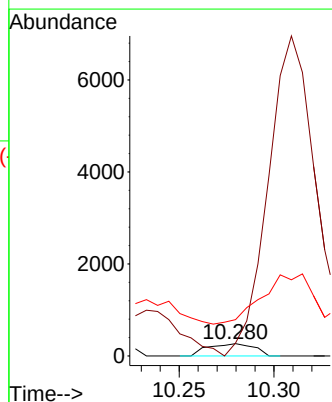
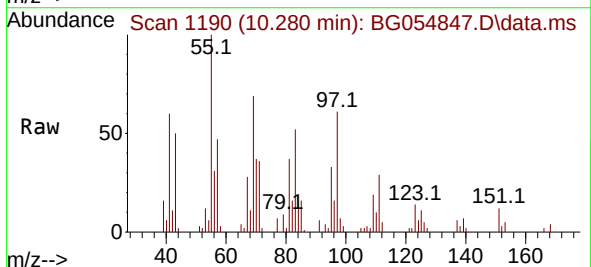
Instrument :
BNA_G
ClientSampleId :
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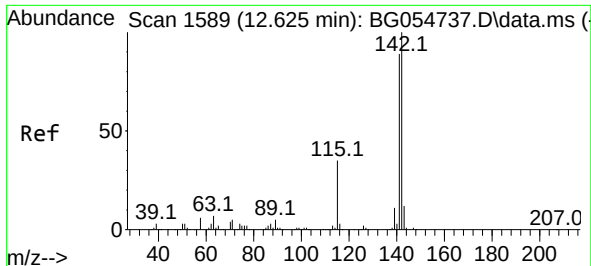
Tgt Ion:128 Resp: 28296
Ion Ratio Lower Upper
128 100
129 19.5 9.0 13.4#
127 17.7 11.1 16.7#



#32
Benzoic acid
Concen: 7.998 ng
RT: 10.280 min Scan# 1190
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:122 Resp: 452
Ion Ratio Lower Upper
122 100
105 104.5 101.5 141.5
77 293.7 69.3 109.3#

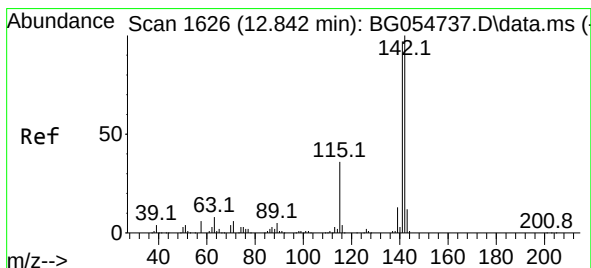
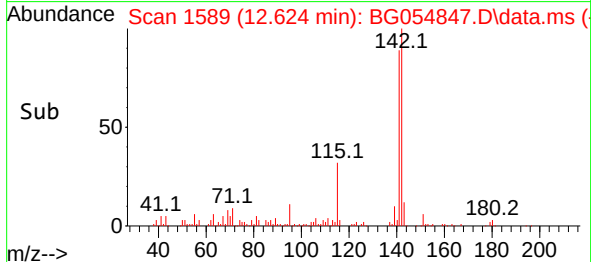
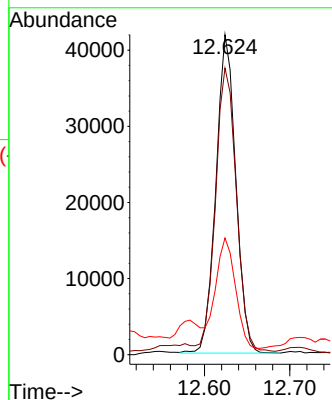
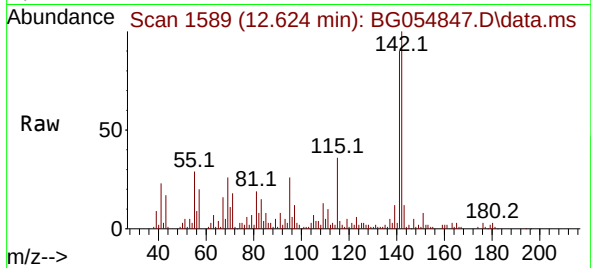




#37
2-Methylnaphthalene
Concen: 8.882 ng
RT: 12.624 min Scan# 1589
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

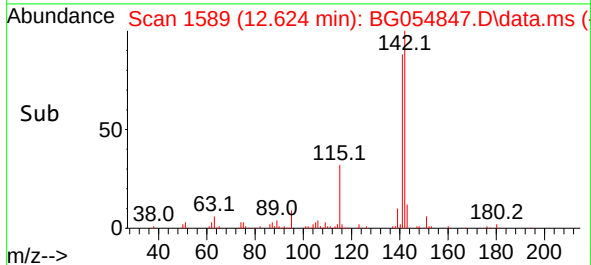
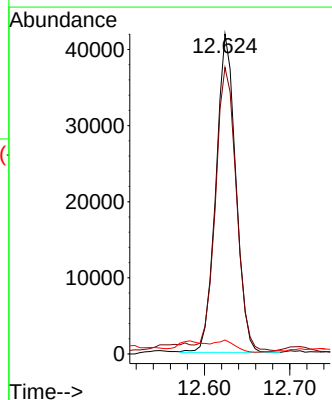
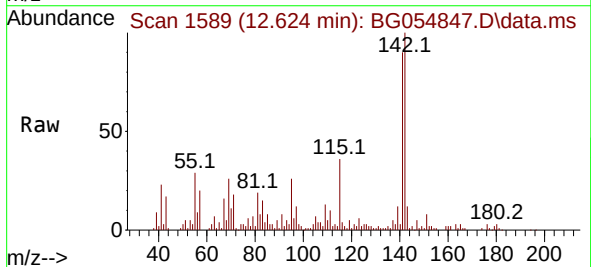
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BNA_G
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WC-14-A-SP

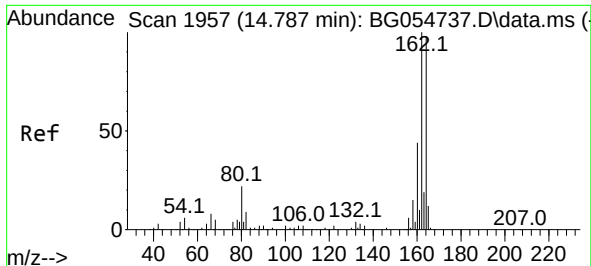
Tgt Ion:142 Resp: 67756
Ion Ratio Lower Upper
142 100
141 89.6 73.0 109.4
115 36.4 27.3 40.9



#38
1-Methylnaphthalene
Concen: 9.130 ng
RT: 12.624 min Scan# 1589
Delta R.T. -0.218 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:142 Resp: 67756
Ion Ratio Lower Upper
142 100
141 89.6 77.4 116.0
116 4.3 3.0 4.4

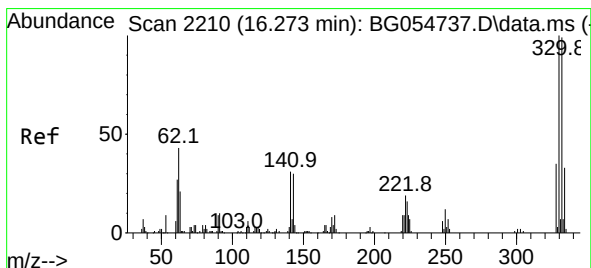
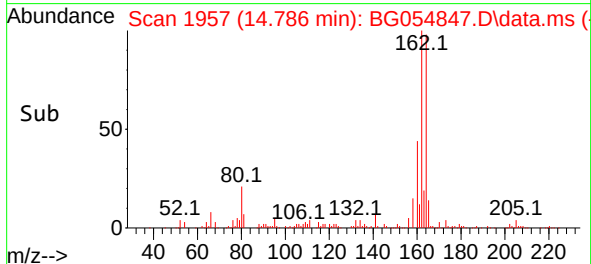
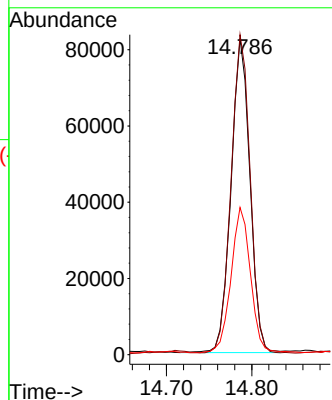
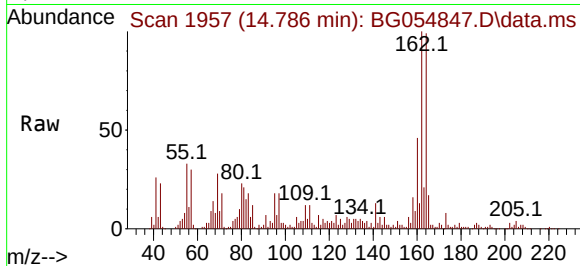




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

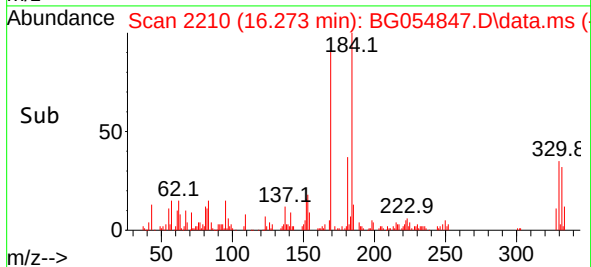
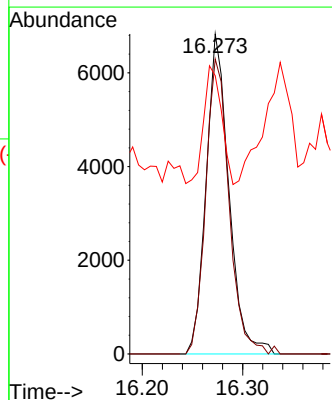
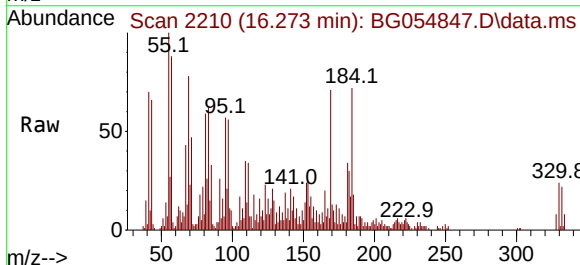
Instrument :
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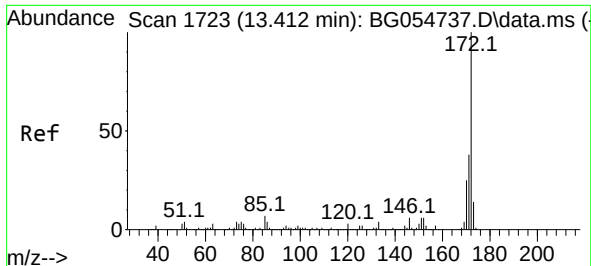
Tgt Ion:164 Resp: 126934
Ion Ratio Lower Upper
164 100
162 101.3 83.0 124.4
160 46.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 6.798 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:330 Resp: 10783
Ion Ratio Lower Upper
330 100
332 94.8 79.8 119.6
141 28.7 26.8 40.2

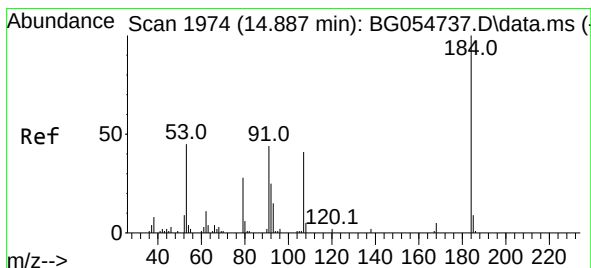
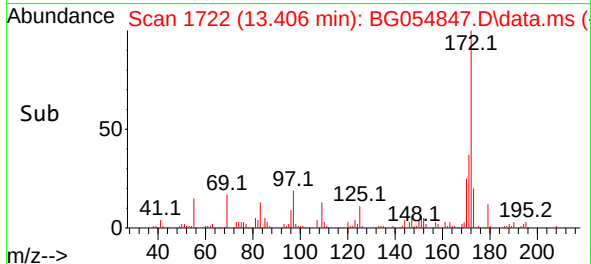
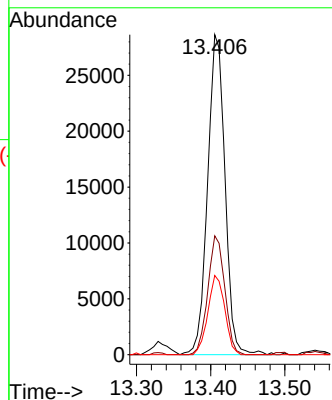
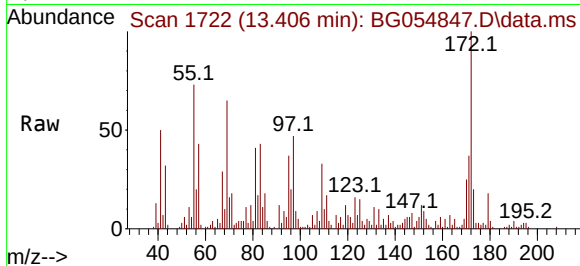




#45
2-Fluorobiphenyl
Concen: 5.527 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

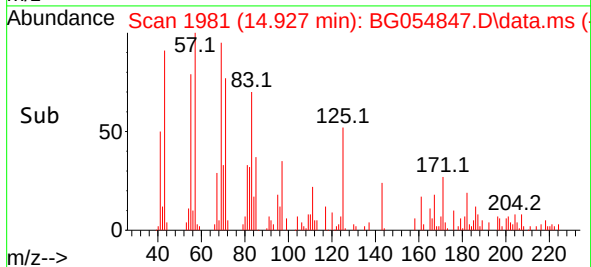
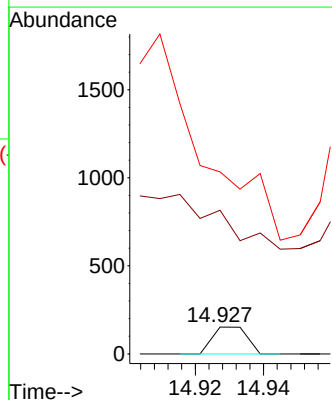
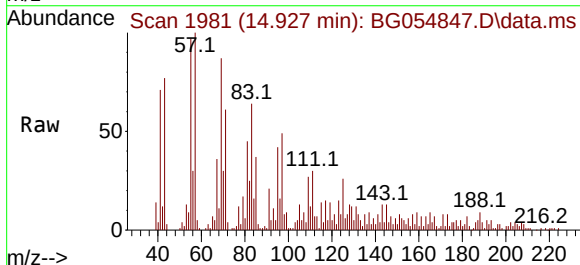
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

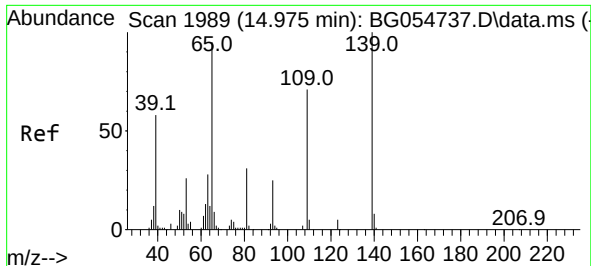
Tgt Ion:172 Resp: 46675
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.7 20.6 30.8



#54
2,4-Dinitrophenol
Concen: 6.786 ng
RT: 14.927 min Scan# 1981
Delta R.T. 0.040 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 536.8 41.8 62.8#
154 680.3 45.2 67.8#

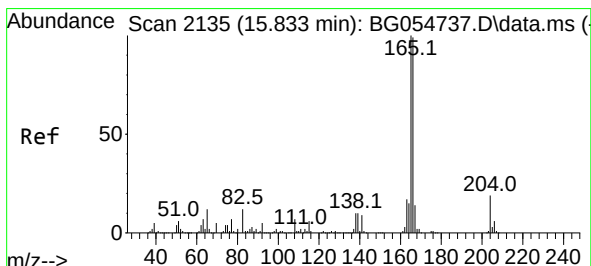
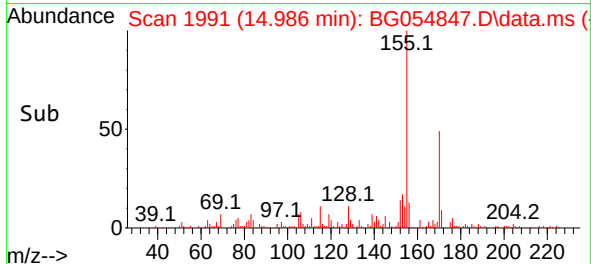
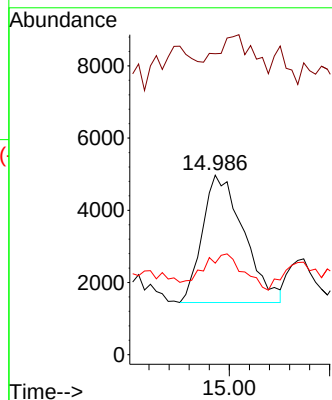
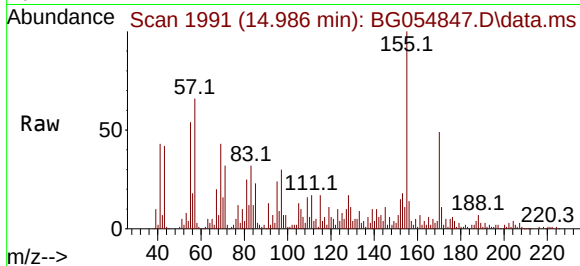




#56
4-Nitrophenol
Concen: 5.811 ng
RT: 14.986 min Scan# 1989
Delta R.T. 0.011 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

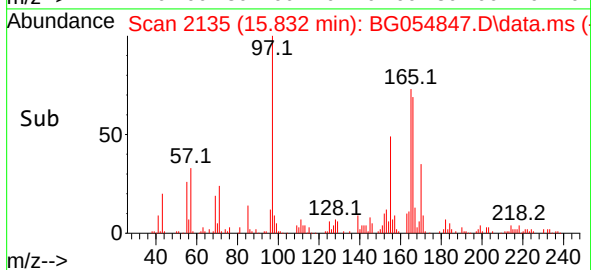
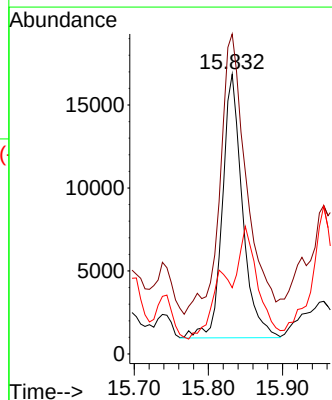
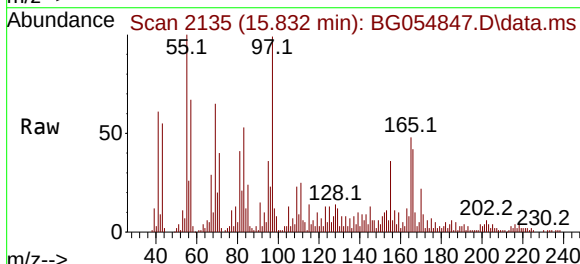
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

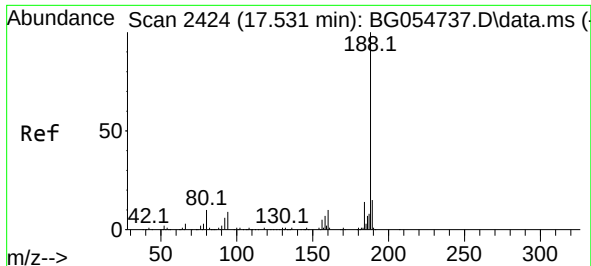
Tgt Ion:139 Resp: 10070
Ion Ratio Lower Upper
139 100
109 167.6 50.5 90.5#
65 51.0 79.9 119.9#



#58
Fluorene
Concen: 3.184 ng
RT: 15.832 min Scan# 2135
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:166 Resp: 29908
Ion Ratio Lower Upper
166 100
165 114.4 80.8 121.2
167 23.7 11.4 17.0#

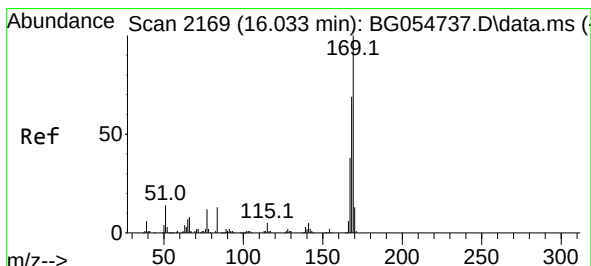
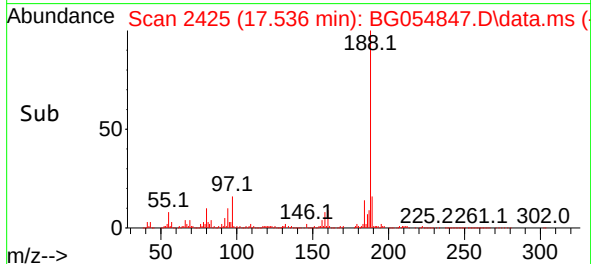
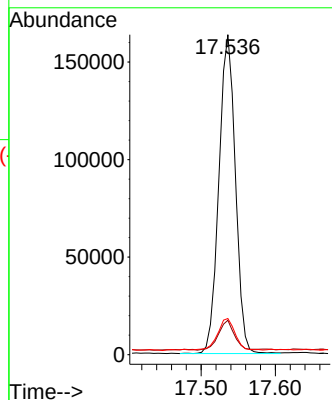
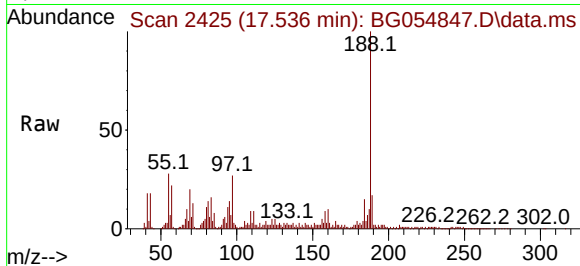




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2424
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

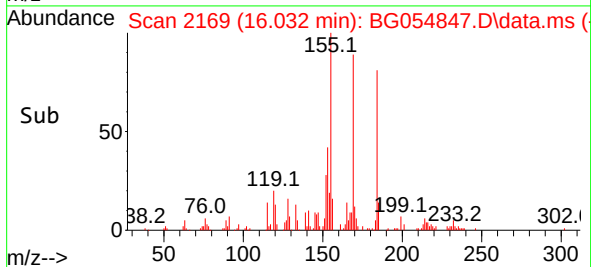
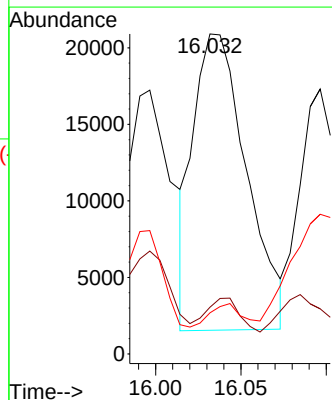
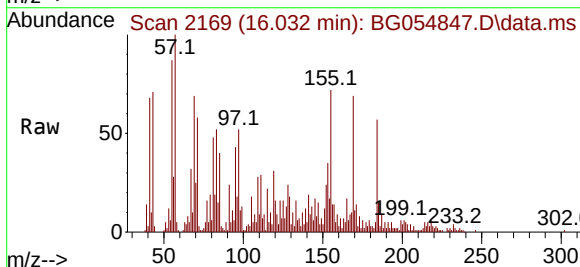
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

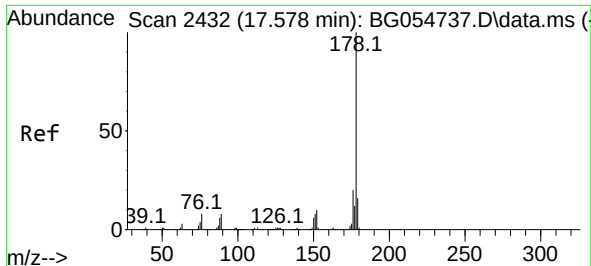
Tgt Ion:188 Resp: 252772
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.4#
80 11.3 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 5.756 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:169 Resp: 41956
Ion Ratio Lower Upper
169 100
168 14.6 55.6 83.4#
167 12.9 30.9 46.3#

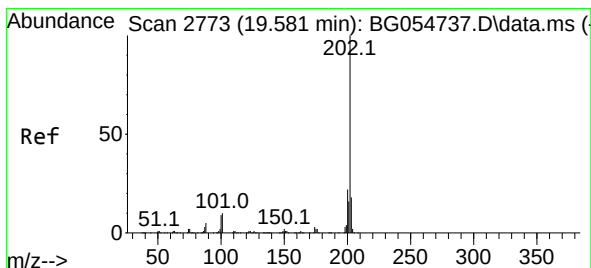
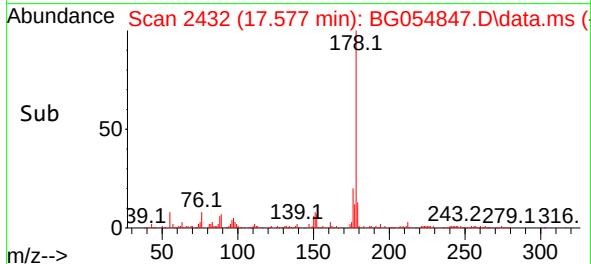
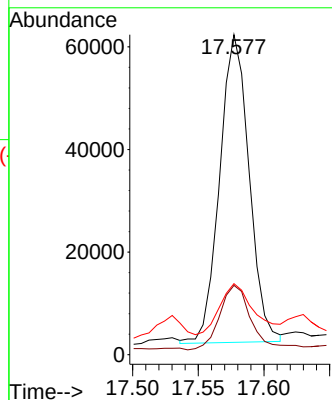
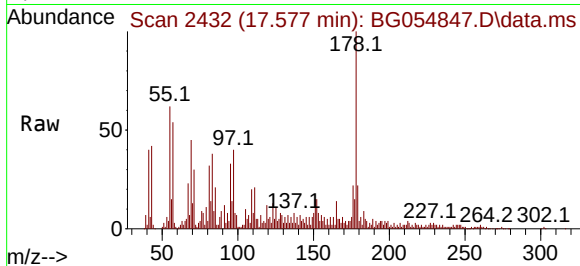




#71
Phenanthrene
Concen: 6.959 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

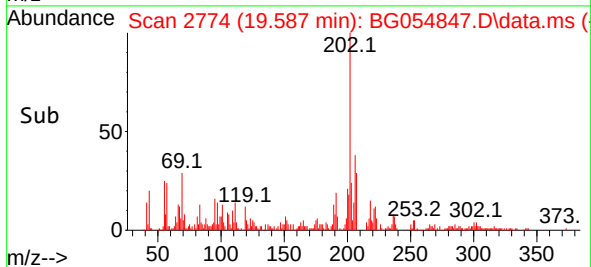
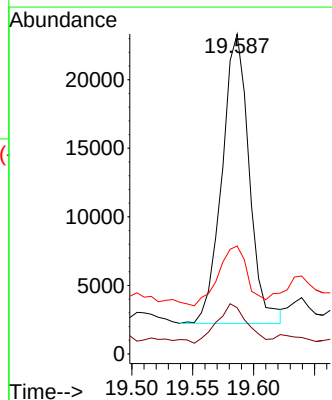
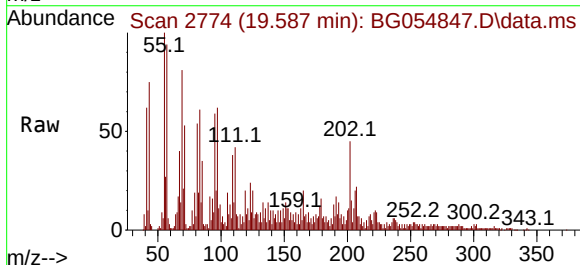
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

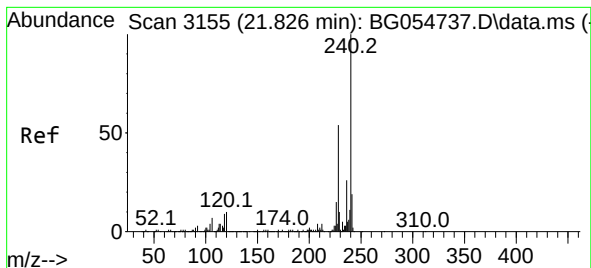
Tgt Ion:178 Resp: 93699
Ion Ratio Lower Upper
178 100
176 21.7 16.6 25.0
179 22.2 12.8 19.2#



#75
Fluoranthene
Concen: 2.006 ng
RT: 19.587 min Scan# 2774
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:202 Resp: 32864
Ion Ratio Lower Upper
202 100
101 14.5 0.0 31.4
203 33.7 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.837 min Scan# 3157

Delta R.T. 0.011 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

WC-14-A-SP

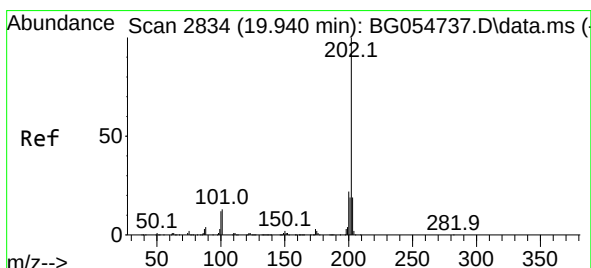
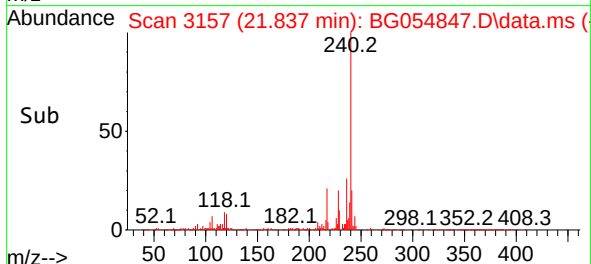
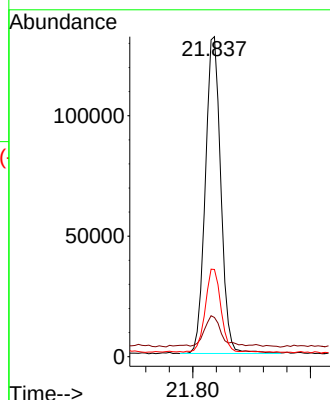
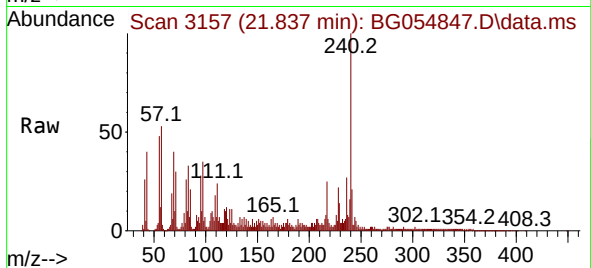
Tgt Ion:240 Resp: 239951

Ion Ratio Lower Upper

240 100

120 12.3 8.2 12.4

236 27.3 21.2 31.8



#78

Pyrene

Concen: 5.103 ng

RT: 19.945 min Scan# 2835

Delta R.T. 0.005 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

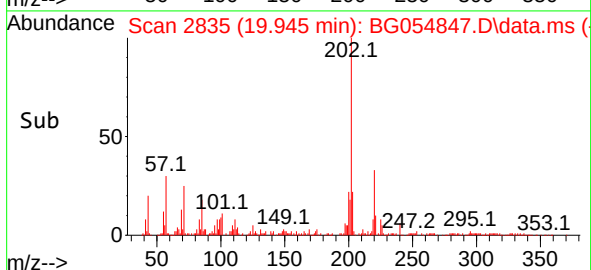
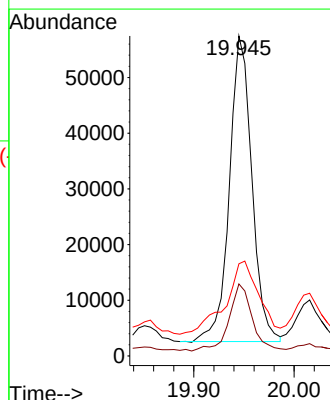
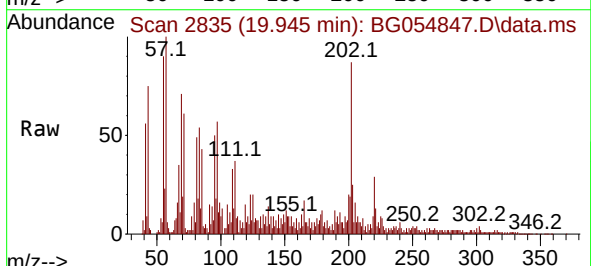
Tgt Ion:202 Resp: 85381

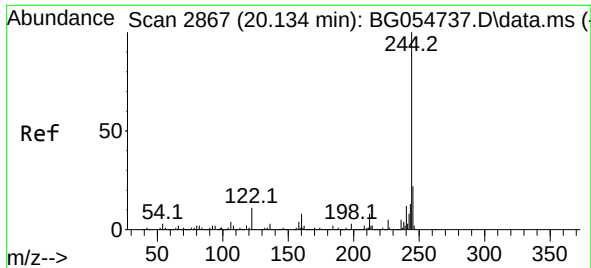
Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 28.8 14.6 21.8#

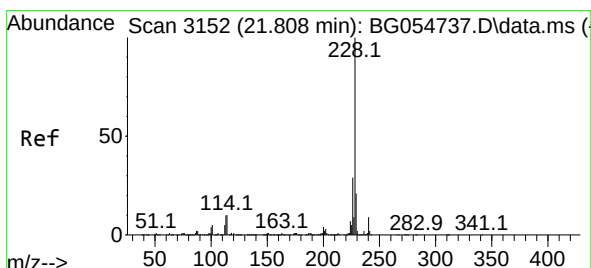
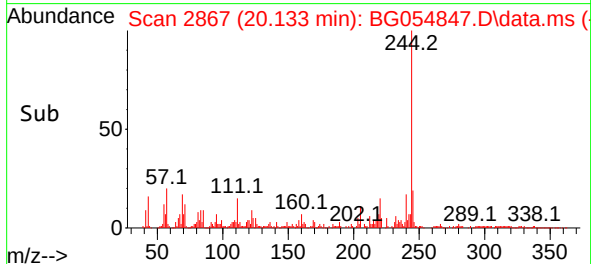
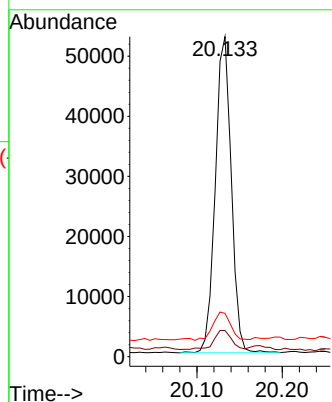
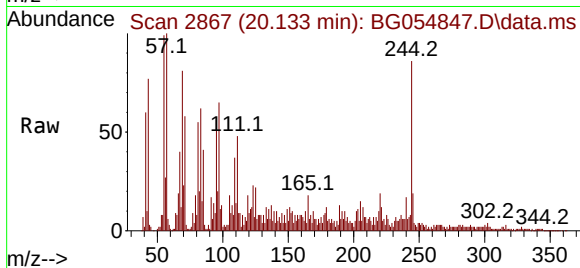




#79
 Terphenyl-d14
 Concen: 5.644 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054847.D
 Acq: 2 Sep 2022 19:41

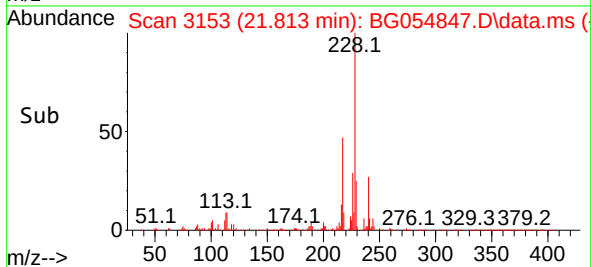
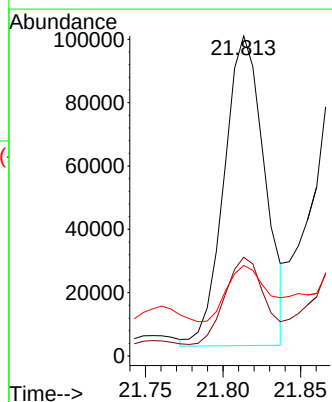
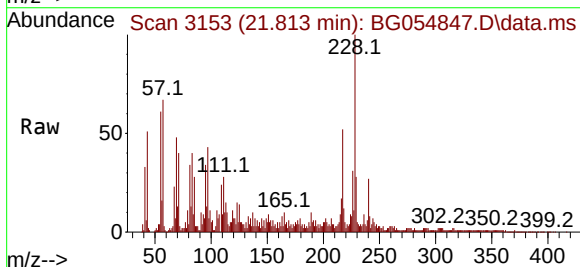
Instrument :
 BNA_G
 ClientSampleId :
 WC-14-A-SP

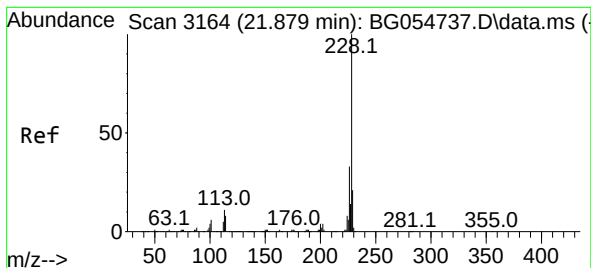
Tgt Ion:244	Resp:	68346
Ion Ratio	Lower	Upper
244	100	
212	8.2	6.2 9.2
122	13.6	9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 10.962 ng
 RT: 21.813 min Scan# 3153
 Delta R.T. 0.005 min
 Lab File: BG054847.D
 Acq: 2 Sep 2022 19:41

Tgt Ion:228	Resp:	178345
Ion Ratio	Lower	Upper
228	100	
226	30.8	23.4 35.2
229	28.3	16.5 24.7





#83

Chrysene

Concen: 21.793 ng

RT: 21.884 min Scan# 3165

Delta R.T. 0.005 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

WC-14-A-SP

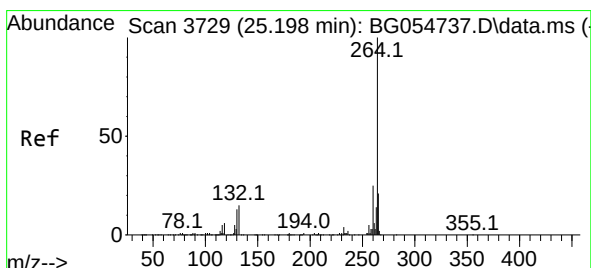
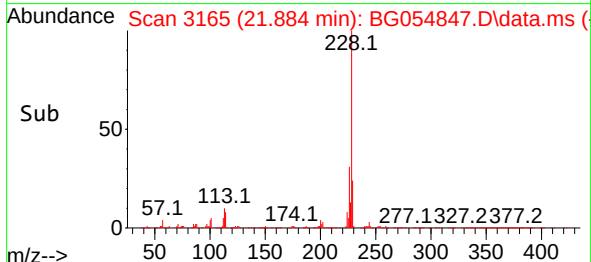
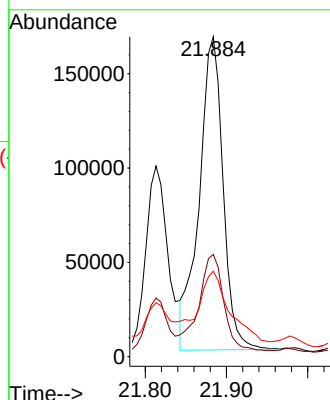
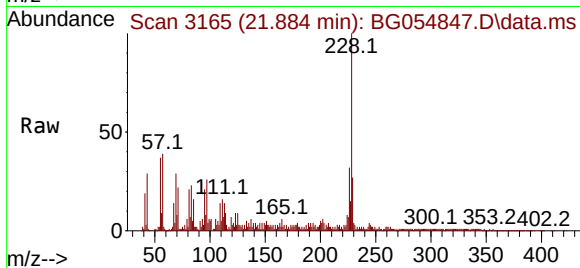
Tgt Ion:228 Resp: 339009

Ion Ratio Lower Upper

228 100

226 31.9 25.5 38.3

229 26.7 16.8 25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.233 min Scan# 3735

Delta R.T. 0.035 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

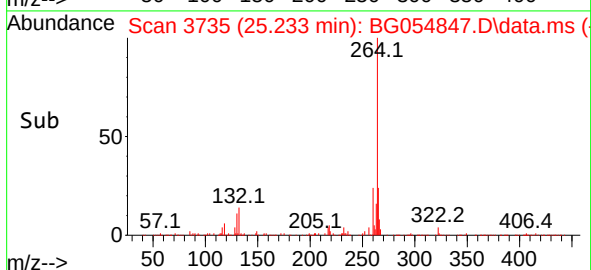
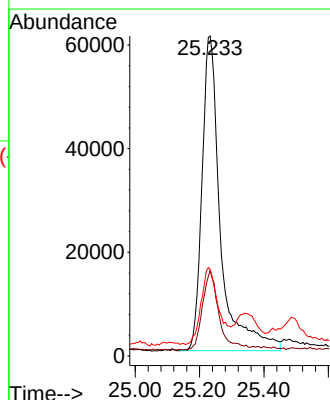
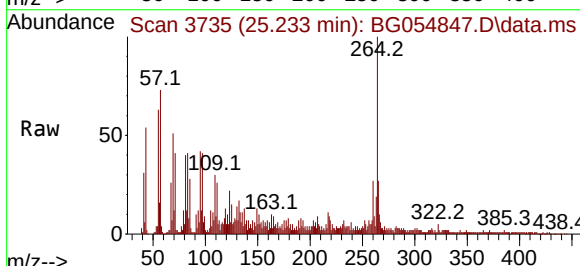
Tgt Ion:264 Resp: 243616

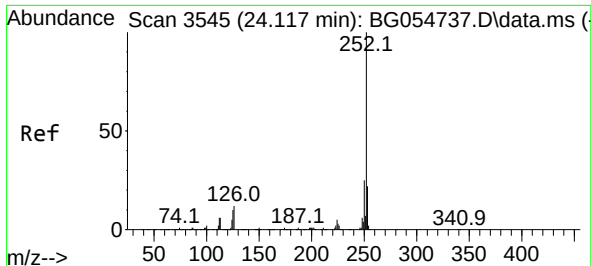
Ion Ratio Lower Upper

264 100

260 26.7 19.9 29.9

265 27.1 16.9 25.3#

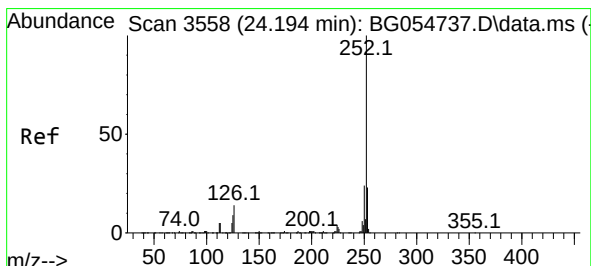
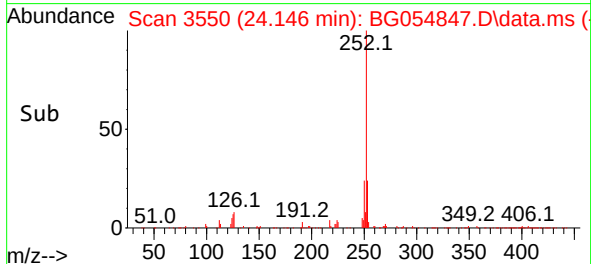
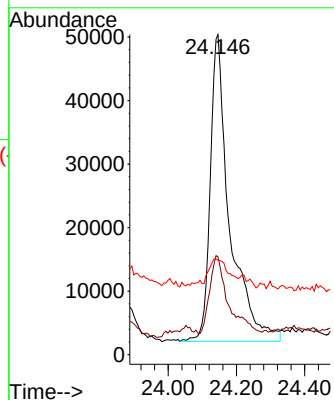
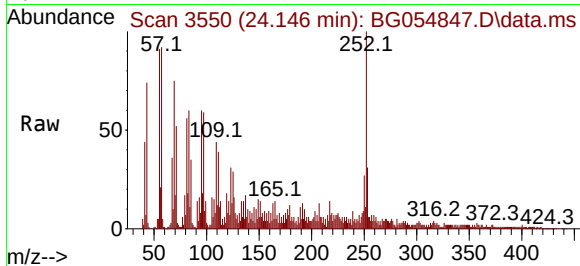




#88
Benzo(b)fluoranthene
Concen: 12.486 ng
RT: 24.146 min Scan# 3550
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

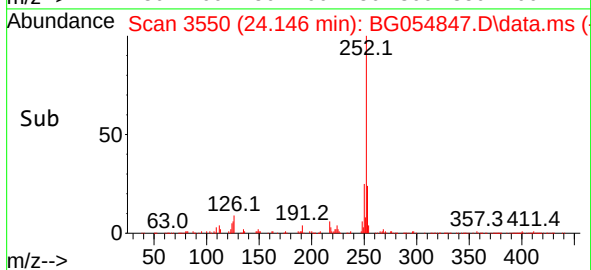
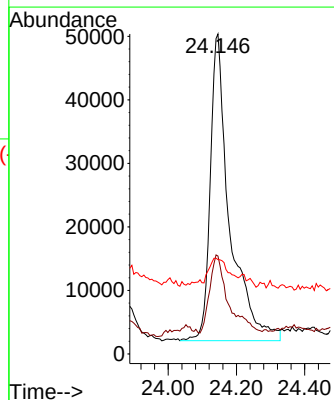
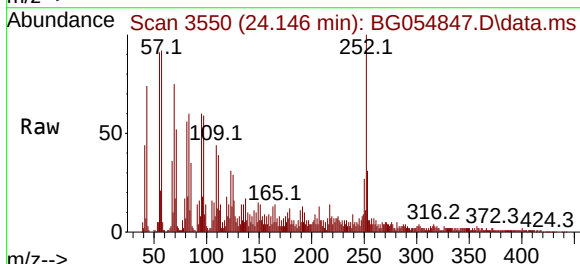
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

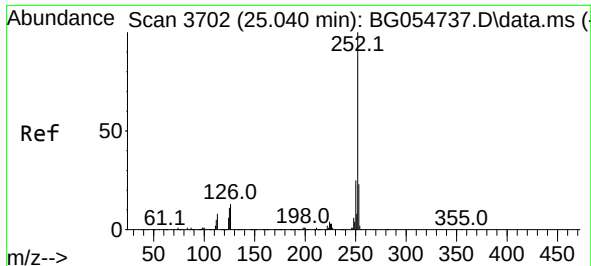
Tgt Ion:252 Resp: 190817
Ion Ratio Lower Upper
252 100
253 30.6 18.0 27.0#
125 29.5 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 12.407 ng
RT: 24.146 min Scan# 3550
Delta R.T. -0.048 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:252 Resp: 190817
Ion Ratio Lower Upper
252 100
253 30.6 17.8 26.8#
125 29.5 8.2 12.4#

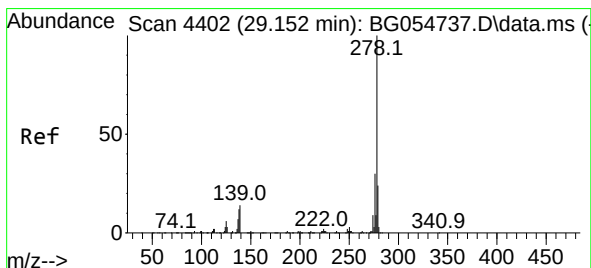
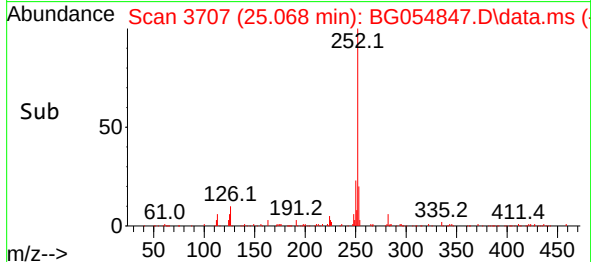
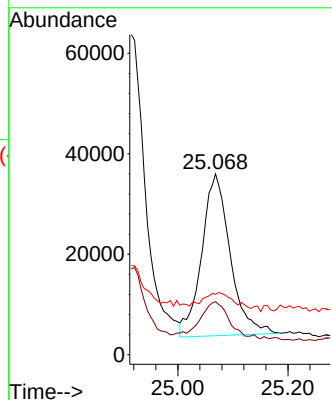
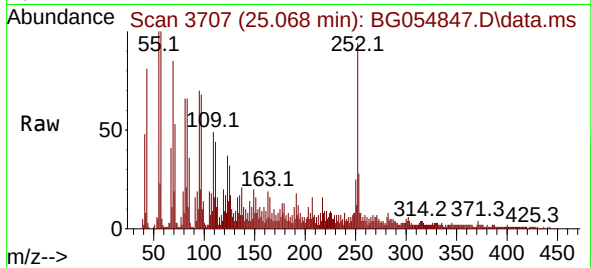




#90
Benzo(a)pyrene
Concen: 8.840 ng
RT: 25.068 min Scan# 31
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

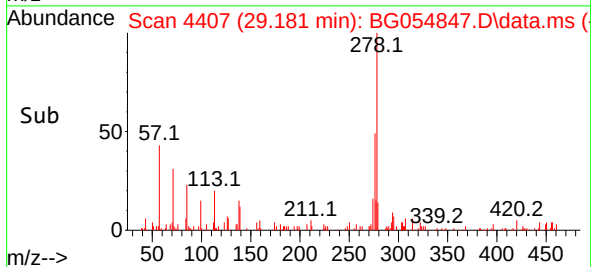
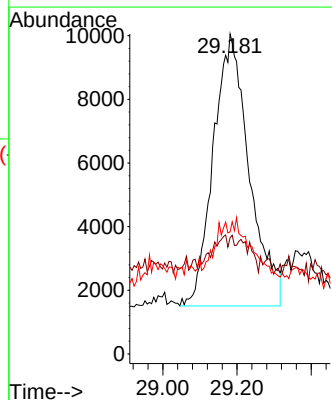
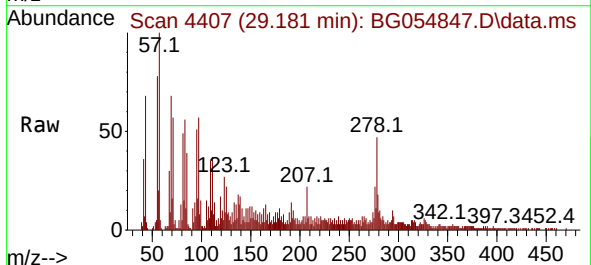
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

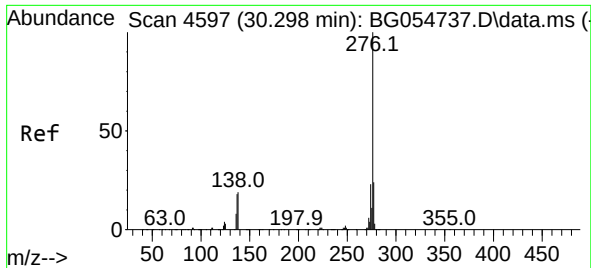
Tgt Ion:252 Resp: 115426
Ion Ratio Lower Upper
252 100
253 29.3 18.3 27.5#
125 33.4 8.8 13.2#



#91
Dibenzo(a,h)anthracene
Concen: 3.828 ng
RT: 29.181 min Scan# 4407
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

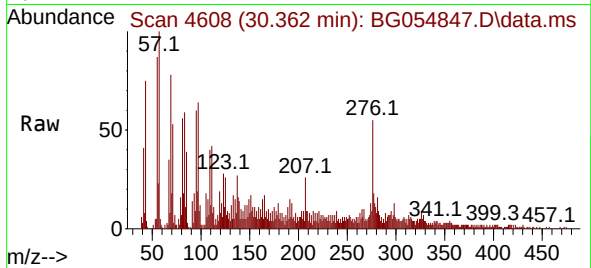
Tgt Ion:278 Resp: 57672
Ion Ratio Lower Upper
278 100
139 36.3 11.4 17.2#
279 38.2 19.3 28.9#





#92
Benzo(g,h,i)perylene
Concen: 2.720 ng
RT: 30.362 min Scan# 4
Delta R.T. 0.064 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP



Tgt Ion:276 Resp: 41399
Ion Ratio Lower Upper
276 100
277 32.7 19.4 29.0#
138 30.0 16.6 25.0#

