

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
 Data File : BG042091.D
 Acq On : 9 Aug 2019 7:36
 Operator : HP/JU
 Sample : K4147-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 09 16:25:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 09 16:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	73878	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	296970	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	220109	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	424705	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	450342	20.00	ng/ul	0.01
85) Perylene-d12	25.02	264	536869	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8091	4.79	ng/uL	0.00
5) Phenol-d5	7.18	99	173354	29.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	89518	27.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	157745	31.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	150736	30.97	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	362	0.16	ng/ul	0.10
22) 2-Nitrophenol-d4	9.93	143	95952	36.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	187045	35.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	215762	37.11	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	522532	30.61	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	634187	32.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.92	143	78093	27.24	ng/ul	0.04
57) Fluorene-d10	15.68	176	528018	34.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	81824	30.03	ng/ul	0.02
70) Anthracene-d10	17.55	188	738421	36.24	ng/ul	0.01
78) Pyrene-d10	19.84	212	776677	30.91	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.80	264	964733	34.40	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	7.21	94	10153	1.697	ng/ul#	89
11) 2-Methylphenol	8.46	108	8297	1.729	ng/ul	85
16) 4-Methylphenol	8.80	108	14575	2.812	ng/ul	89
17) Hexachloroethane	9.15	117	22030	10.588	ng/ul#	1
24) 2,4-Dimethylphenol	10.02	107	33164	6.062	ng/ul	96
27) 2,4-Dichlorophenol	10.50	162	17504	3.369	ng/ul#	34
28) Naphthalene	10.90	128	320204	21.091	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	587654	48.699	ng/ul	100
40) 1,1'-Biphenyl	13.52	154	109644	6.851	ng/ul	97
42) 2-Nitroaniline	13.76	65	4391	1.302	ng/ul#	41
44) Dimethylphthalate	14.14	163	90945	5.366	ng/ul#	76
47) Acenaphthylene	14.42	152	31487	1.600	ng/ul#	52
48) 3-Nitroaniline	14.57	138	15704	5.341	ng/ul#	24
49) Acenaphthene	14.76	153	59178	4.300	ng/ul	92
53) Dibenzofuran	15.09	168	207171	10.087	ng/ul	92
58) Fluorene	15.74	166	293658	17.751	ng/ul#	97
60) 4-Nitroaniline	15.74	138	4212	1.286	ng/ul#	65
64) N-Nitrosodiphenylamine	15.96	169	56867	4.513	ng/ul#	80
67) Atrazine	16.91	200	24654	4.669	ng/ul#	1
69) Phenanthrene	17.49	178	399179	17.169	ng/ul#	94
71) Anthracene	17.58	178	157230	6.667	ng/ul#	88
74) Carbazole	17.85	167	33078	1.693	ng/ul#	60
76) Fluoranthene	19.86	202	202507	7.538	ng/ul	98

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QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

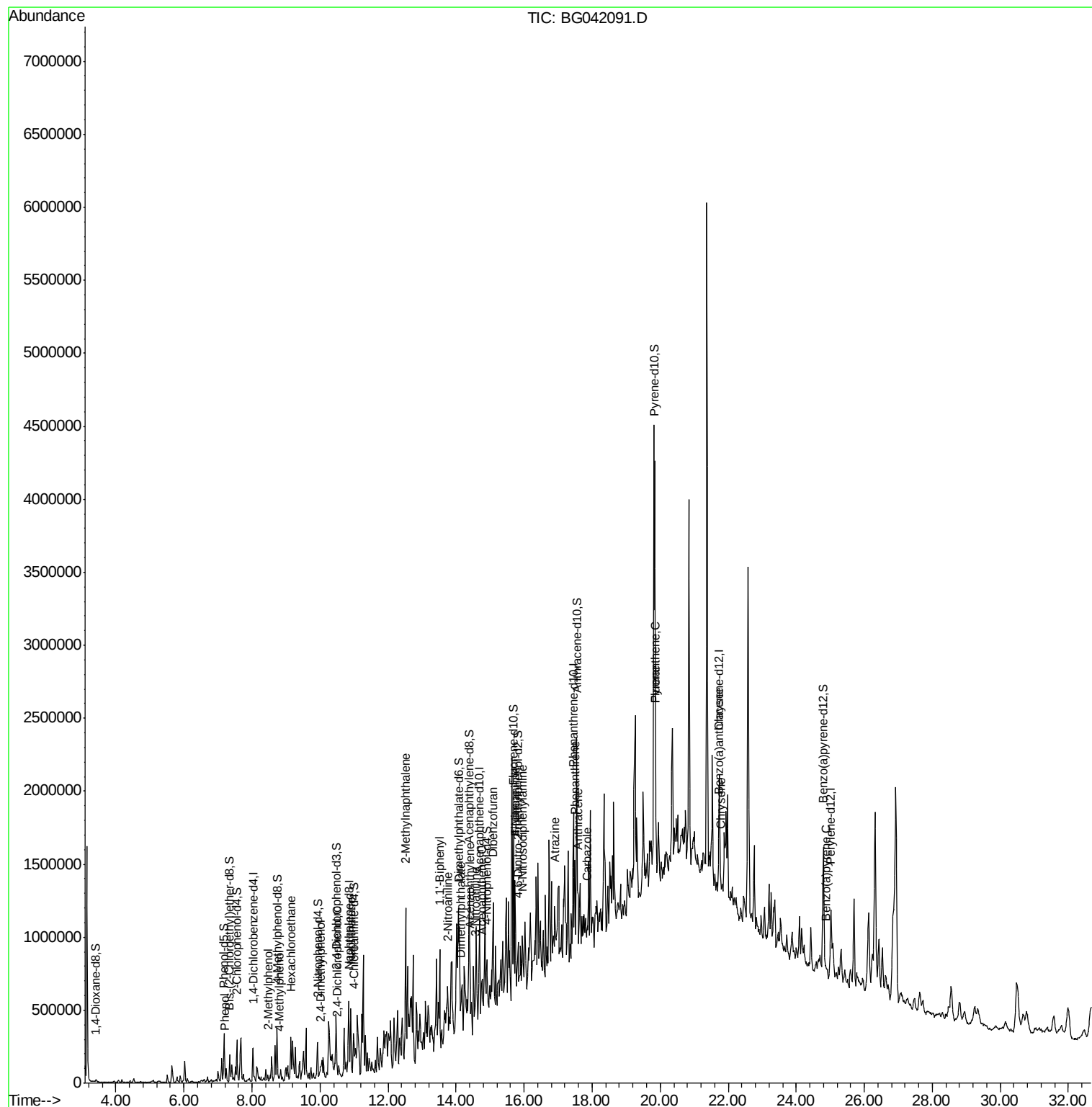
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Pyrene	19.86	202	202507	6.685	ng/ul	98
82) Benzo(a)anthracene	21.71	228	68274	2.187	ng/ul#	61
84) Chrysene	21.78	228	59939	2.057	ng/ul#	63
90) Benzo(a)pyrene	24.86	252	34635	1.079	ng/ul#	69

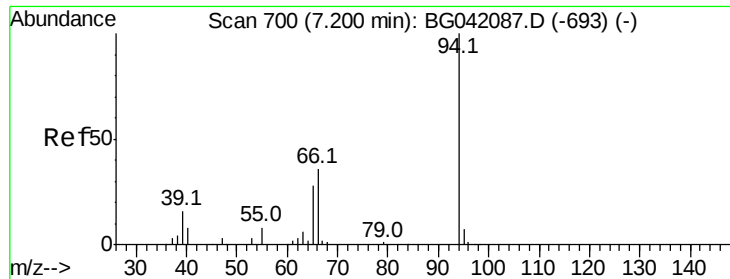
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.697 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampleId :

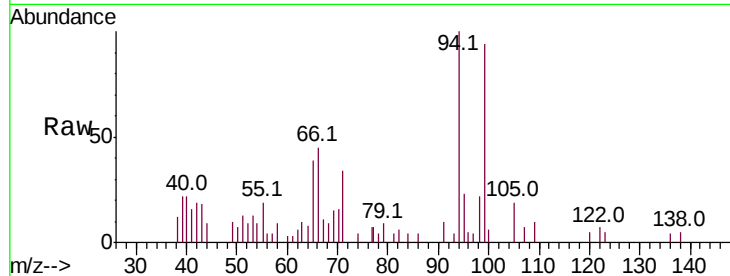
Tot Ion: 94 Resp: 10153

Ion Ratio Lower Upper

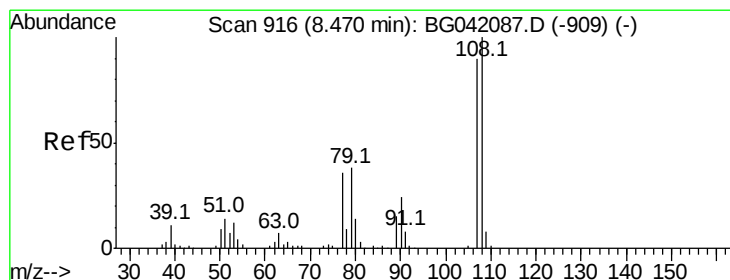
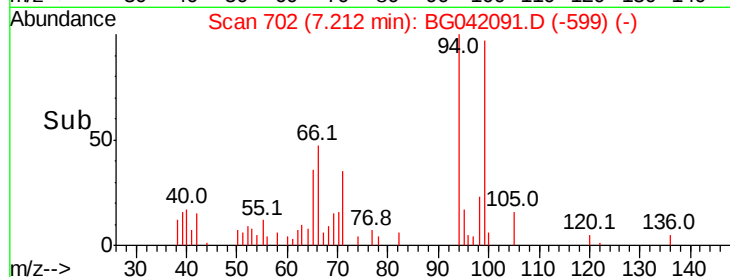
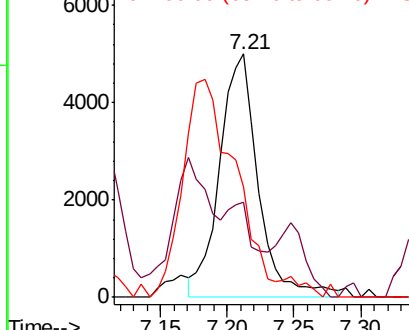
94 100

65 39.0 25.8 38.6#

66 45.4 31.8 47.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

2-Methylphenol

Concen: 1.729 ng/ul

RT: 8.46 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG042091.D

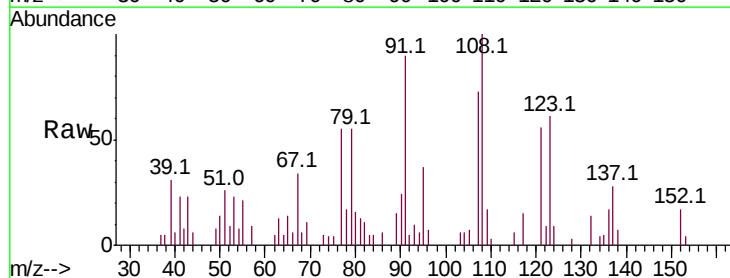
Acq: 9 Aug 2019 7:36

Tgt Ion:108 Resp: 8297

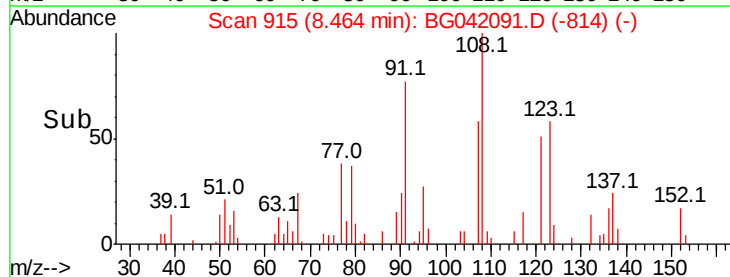
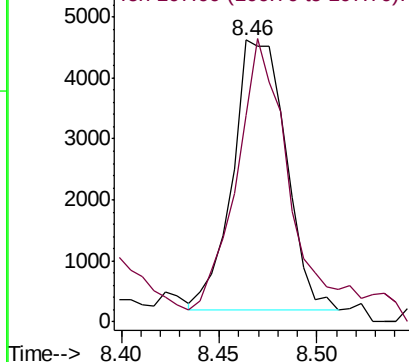
Ion Ratio Lower Upper

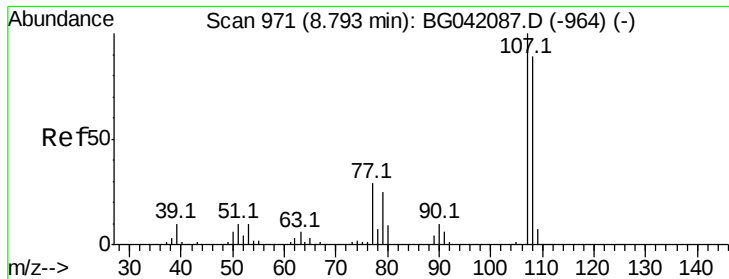
108 100

107 73.4 69.9 104.9



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

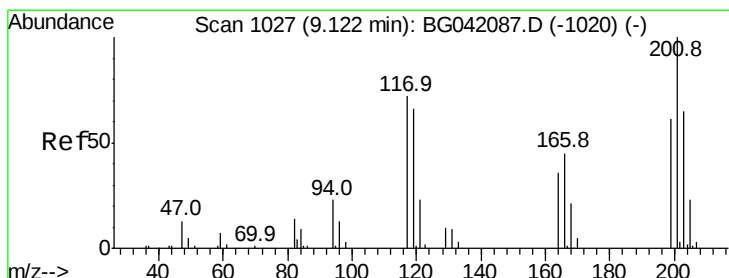
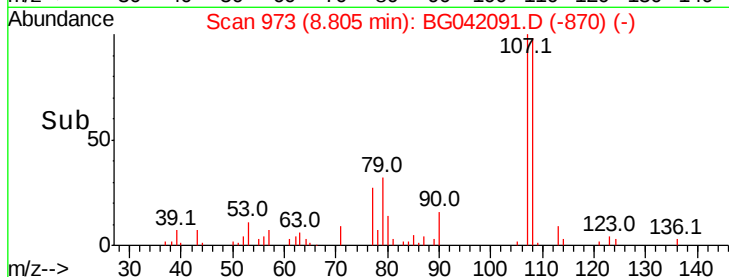
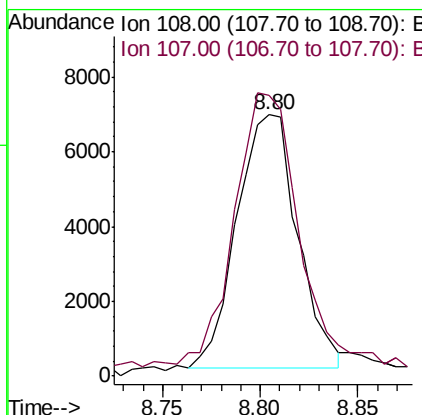
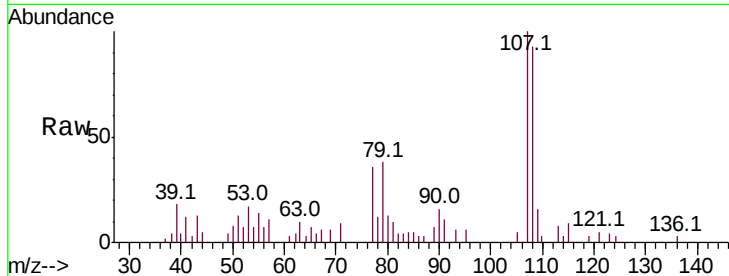




#16
4-Methylphenol
Concen: 2.812 ng/ul
RT: 8.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

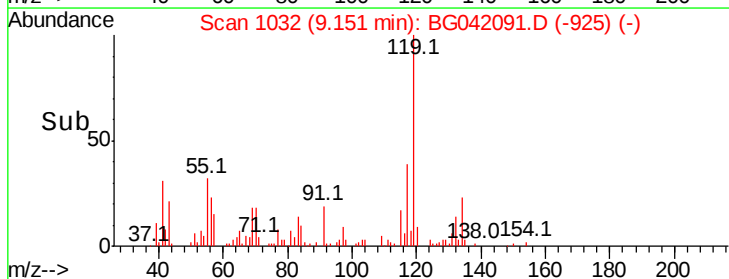
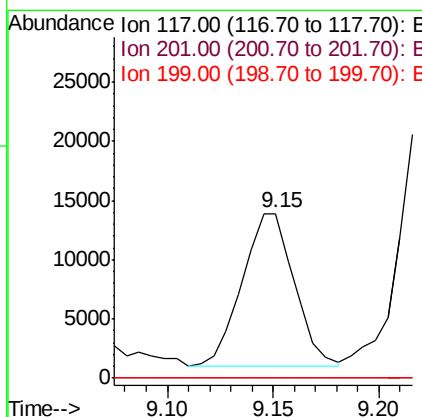
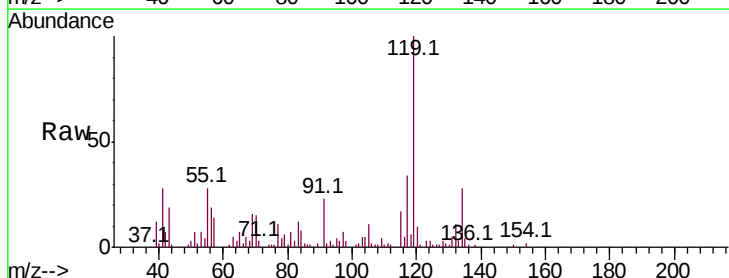
Instrument :
BNA_G
ClientSampleId :

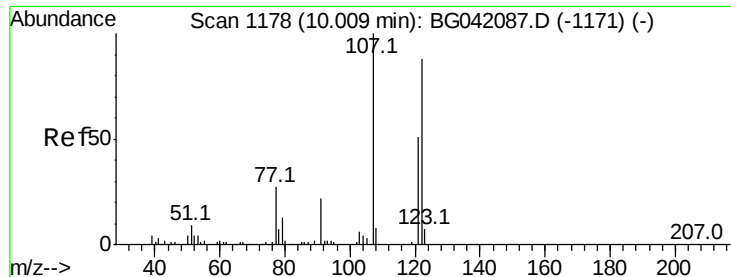
Tot Ion:108 Resp: 14575
Ion Ratio Lower Upper
108 100
107 107.6 96.2 144.2



#17
Hexachloroethane
Concen: 10.588 ng/ul
RT: 9.15 min Scan# 1032
Delta R.T. 0.03 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Tgt Ion:117 Resp: 22030
Ion Ratio Lower Upper
117 100
201 0.0 103.4 155.2#
199 0.0 62.9 94.3#

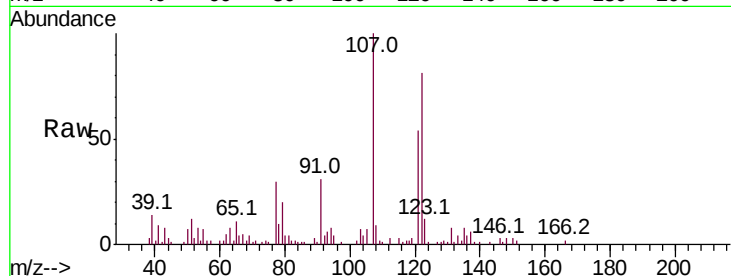




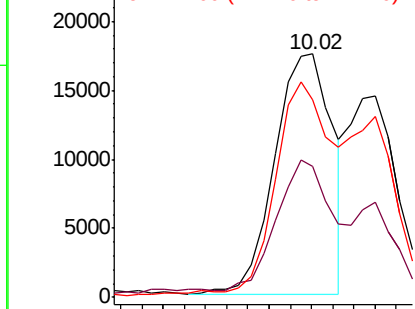
#24
2,4-Dimethylphenol
Concen: 6.062 ng/ul
RT: 10.02 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Instrument :
BNA_G
ClientSampleId :

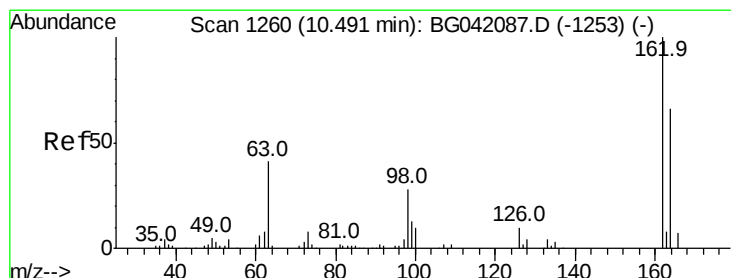
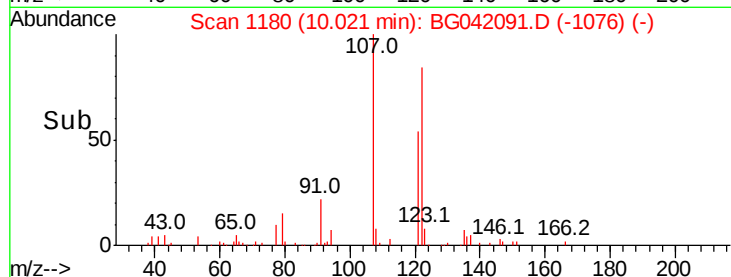
Tot Ion:107 Resp: 33164
Ion Ratio Lower Upper
107 100
121 53.6 45.0 67.6
122 81.2 68.1 102.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

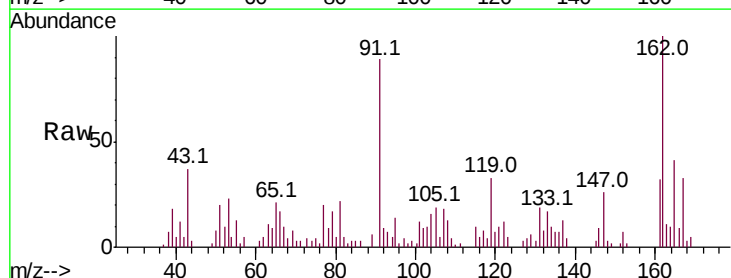


Time-->

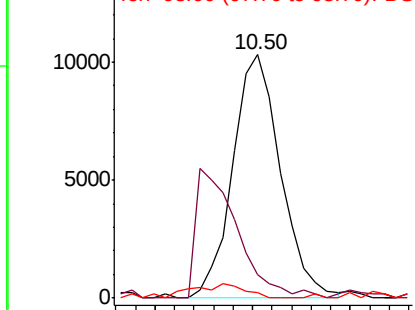


#27
2,4-Dichlorophenol
Concen: 3.369 ng/ul
RT: 10.50 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

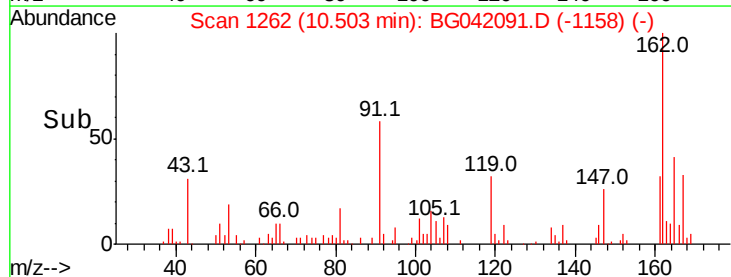
Tgt Ion:162 Resp: 17504
Ion Ratio Lower Upper
162 100
164 9.8 54.6 82.0#
98 2.1 24.6 36.8#

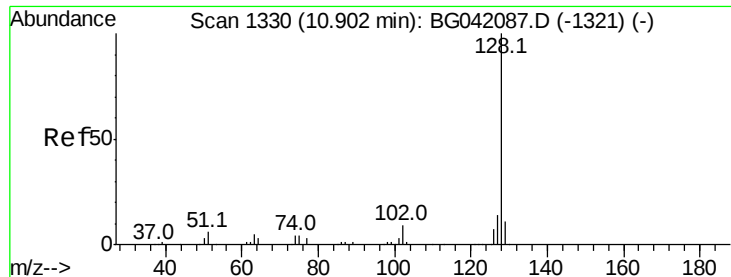


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC



Time-->

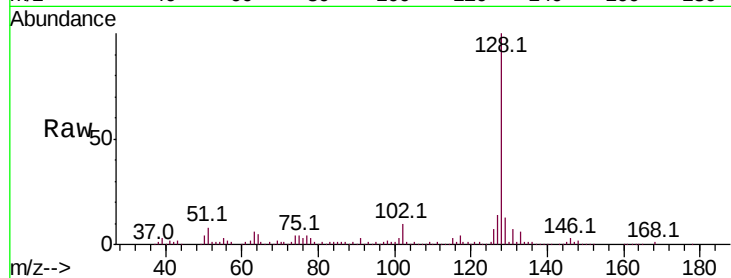




#28
Naphthalene
Concen: 21.091 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.5	14.3
127	14.3	11.4	17.0

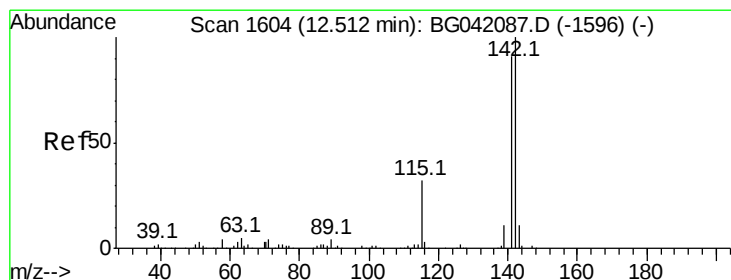
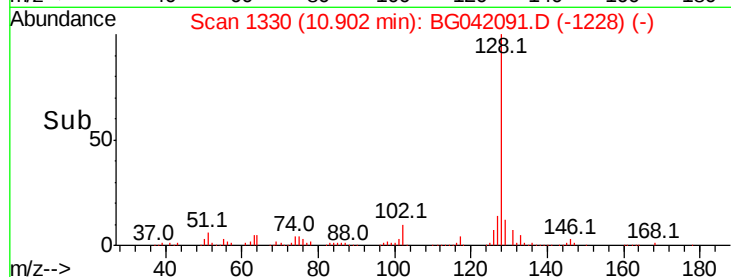
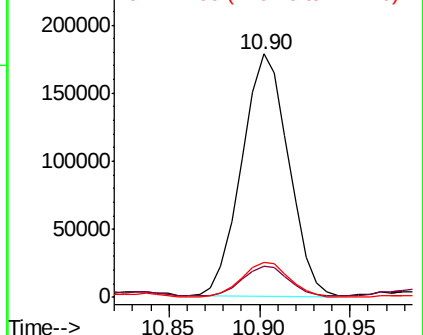


Abundance

Ion 128.00 (127.70 to 128.70): E

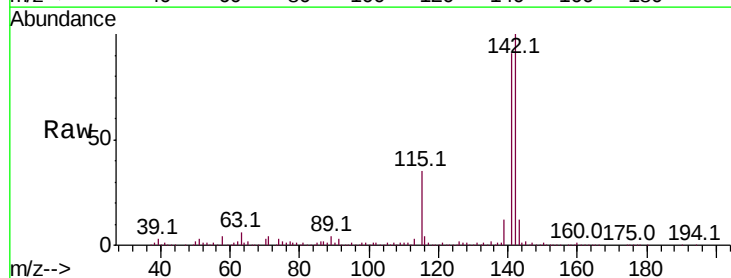
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 48.699 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

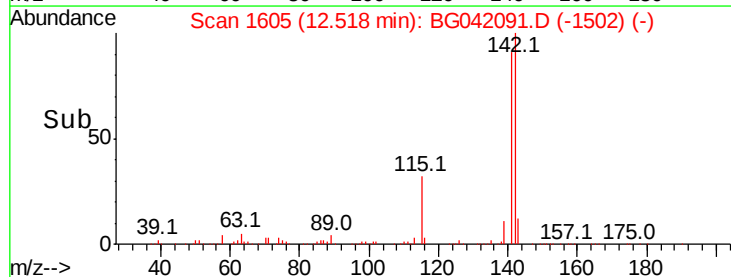
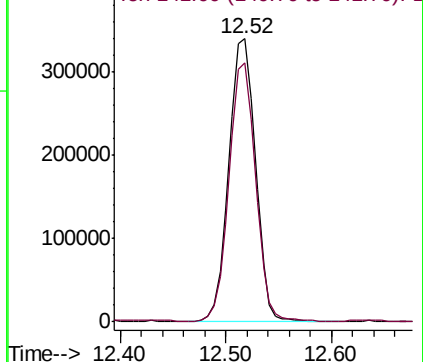
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.9	109.3

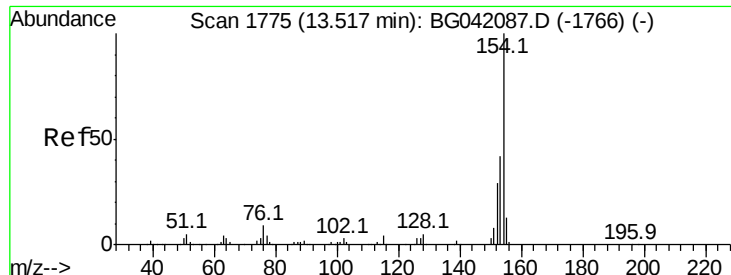


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

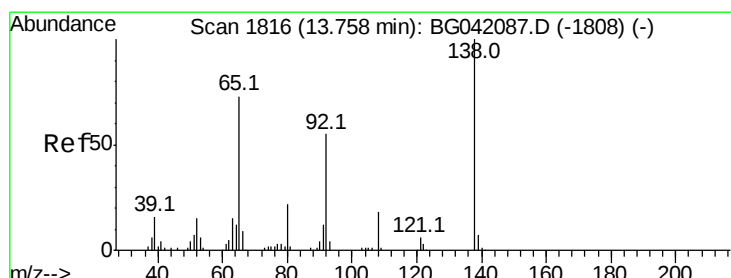
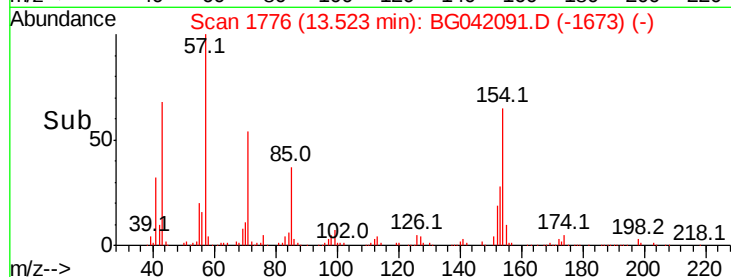
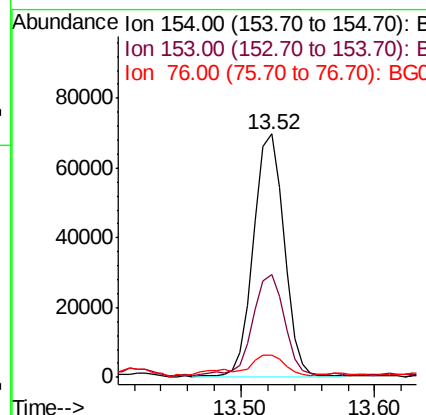
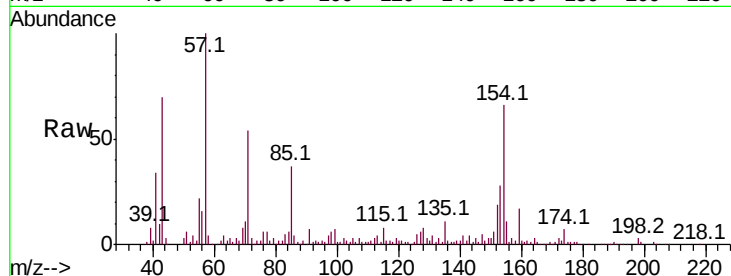




#40
 1,1'-Biphenyl
 Concen: 6.851 ng/ul
 RT: 13.52 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

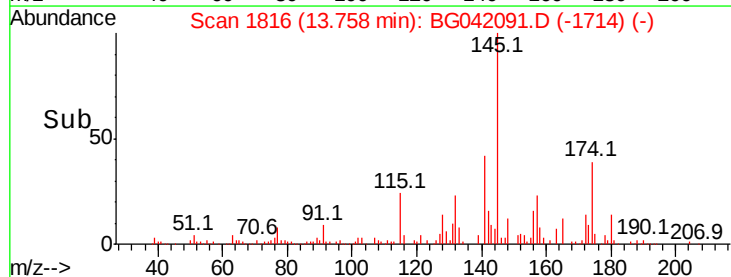
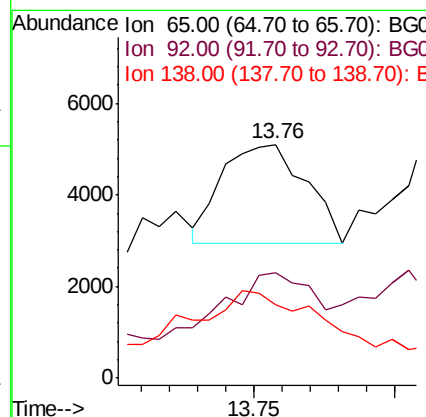
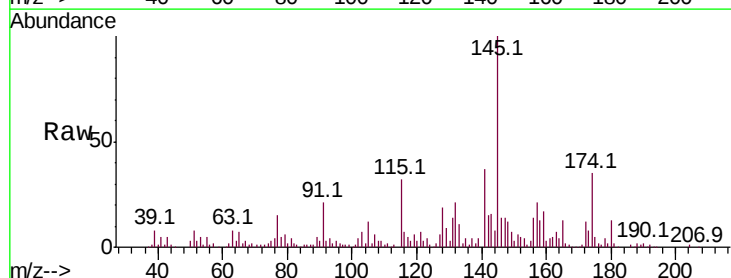
Instrument :
 BNA_G
 ClientSampleId :

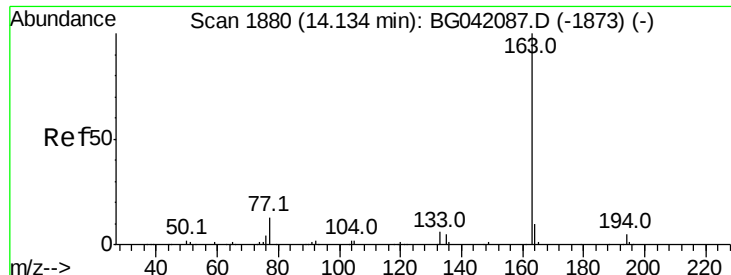
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.6	48.8
76	8.9	8.6	13.0



#42
 2-Nitroaniline
 Concen: 1.302 ng/ul
 RT: 13.76 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	45.4	51.6	77.4#
138	31.6	94.1	141.1#





#44

Dimethylphthalate

Concen: 5.366 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampleId :

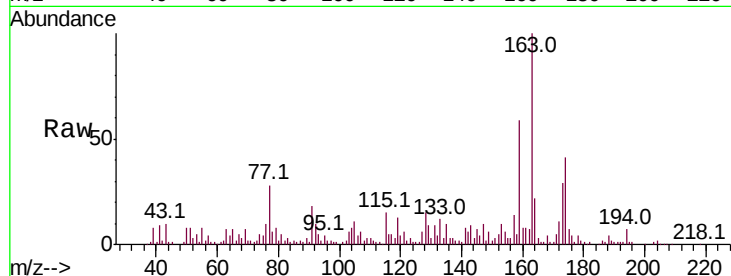
Tot Ion:163 Resp: 90945

Ion Ratio Lower Upper

163 100

194 7.1 4.2 6.2#

164 22.2 7.8 11.8#

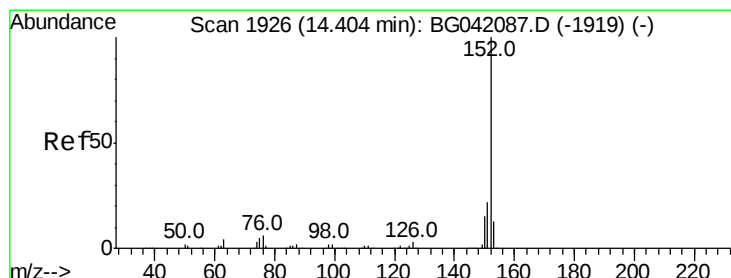
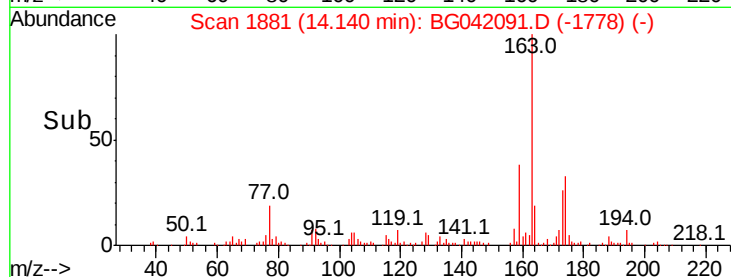
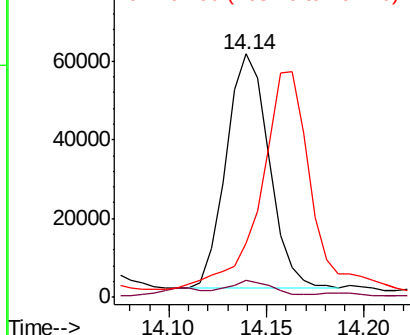


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.600 ng/ul

RT: 14.42 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

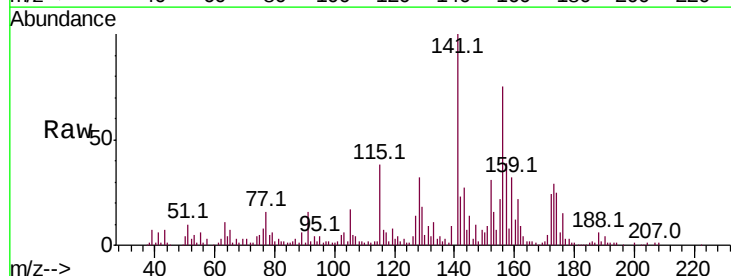
Tgt Ion:152 Resp: 31487

Ion Ratio Lower Upper

152 100

151 28.4 16.8 25.2#

153 52.7 10.3 15.5#

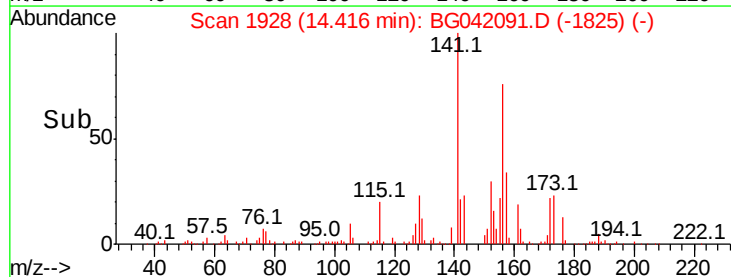
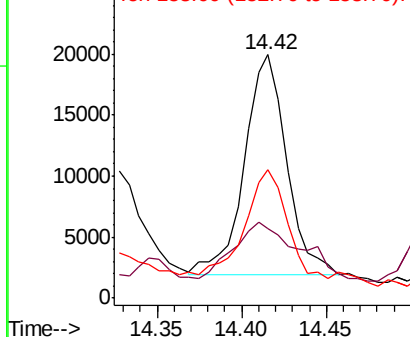


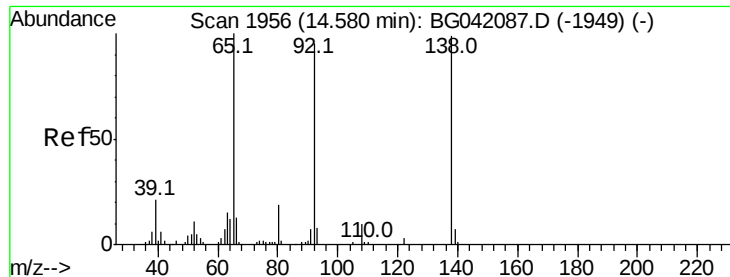
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#48

3-Nitroaniline

Concen: 5.341 ng/ul

RT: 14.57 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampleId :

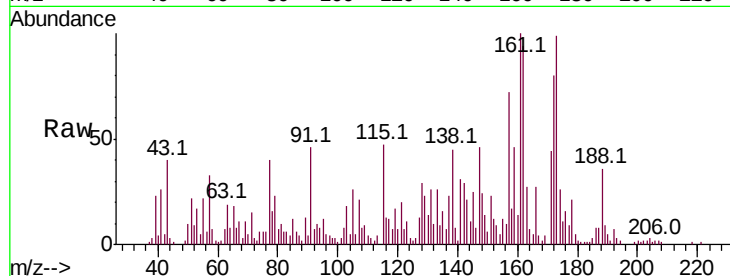
Tot Ion:138 Resp: 15704

Ion Ratio Lower Upper

138 100

108 17.0 7.6 11.4#

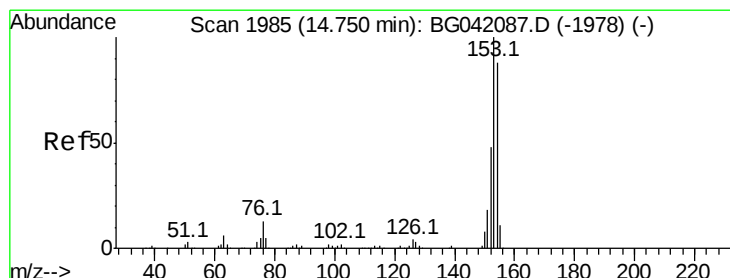
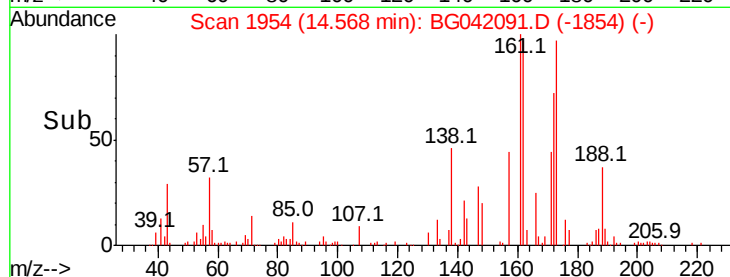
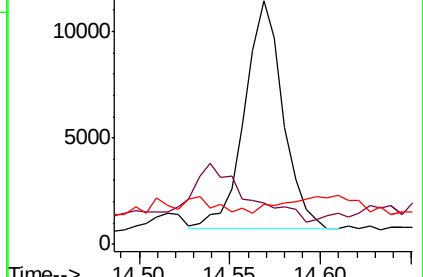
92 16.3 76.4 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#49

Acenaphthene

Concen: 4.300 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

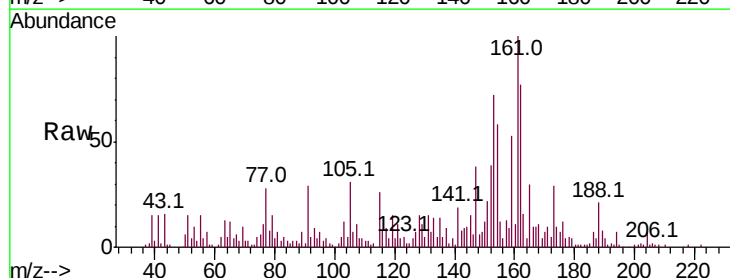
Tgt Ion:153 Resp: 59178

Ion Ratio Lower Upper

153 100

152 54.6 37.8 56.8

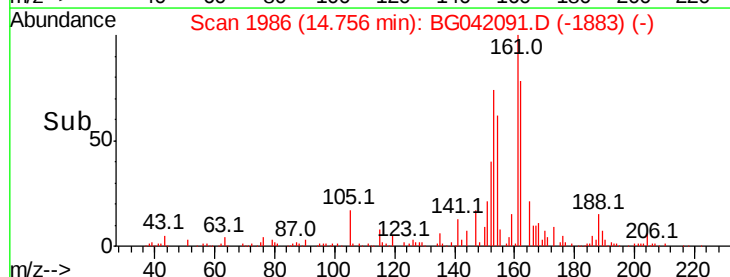
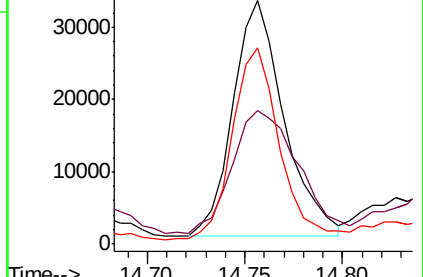
154 80.8 69.4 104.2

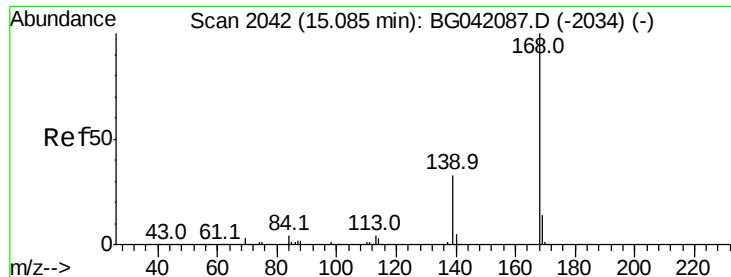


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 10.087 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

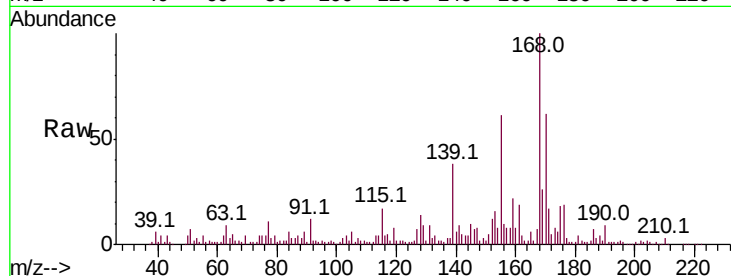
ClientSampleId :

Tot Ion:168 Resp: 207171

Ion Ratio Lower Upper

168 100

139 38.5 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.09

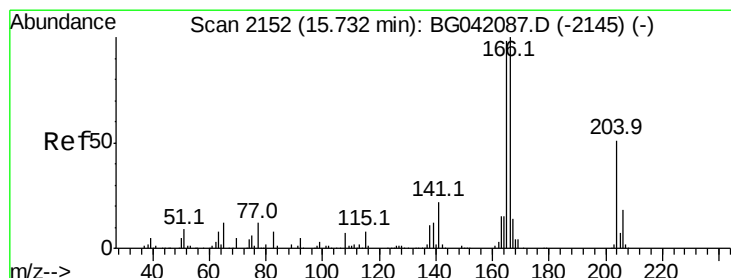
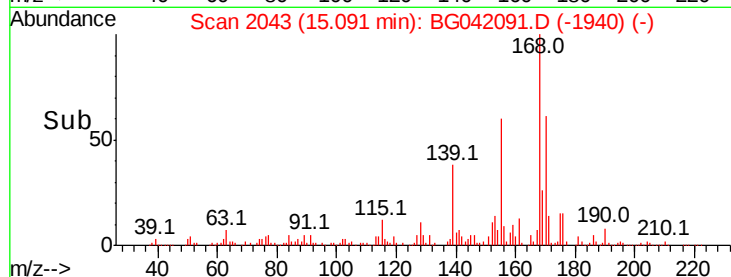
150000

100000

50000

0

Time-->



#58

Fluorene

Concen: 17.751 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

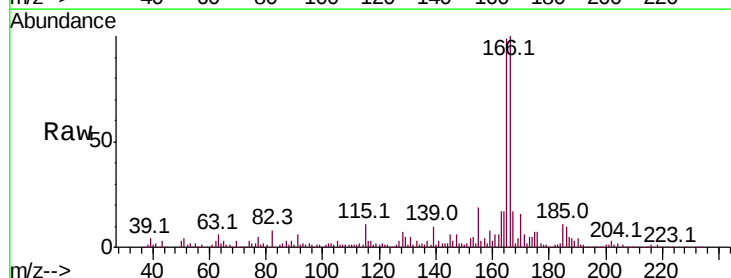
Tgt Ion:166 Resp: 293658

Ion Ratio Lower Upper

166 100

165 99.4 81.1 121.7

167 16.7 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.74

250000

200000

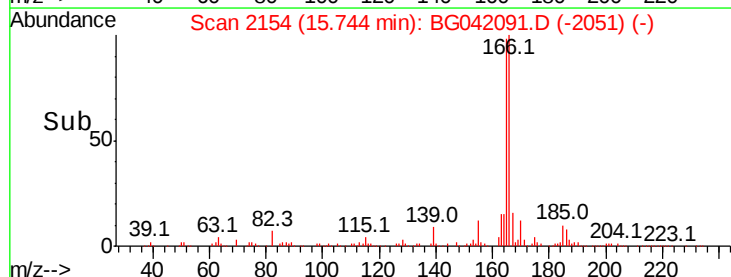
150000

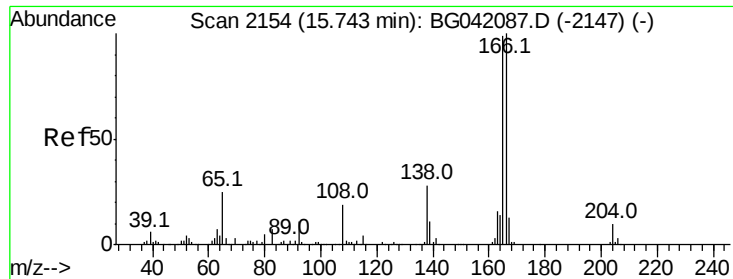
100000

50000

0

Time-->

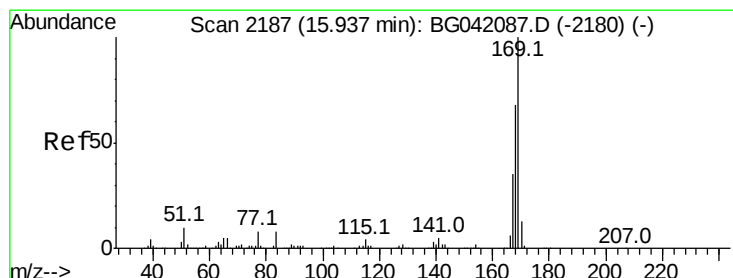
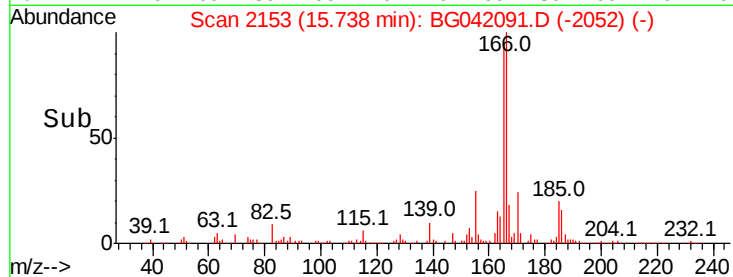
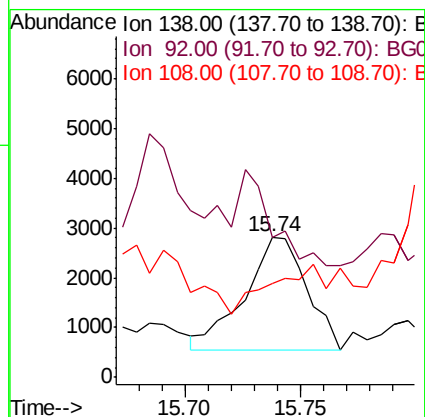
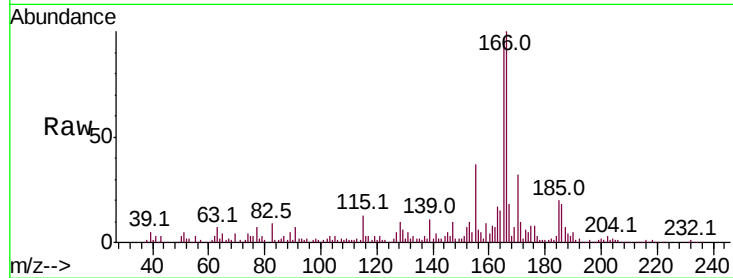




#60
4-Nitroaniline
Concen: 1.286 ng/ul
RT: 15.74 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

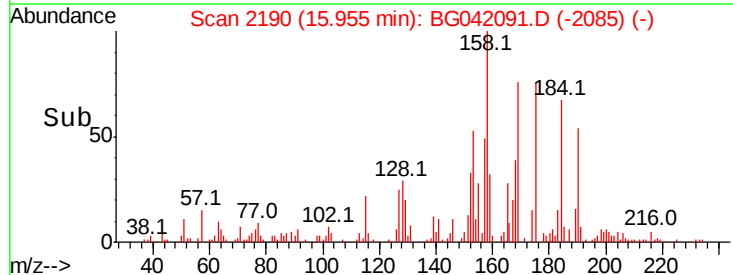
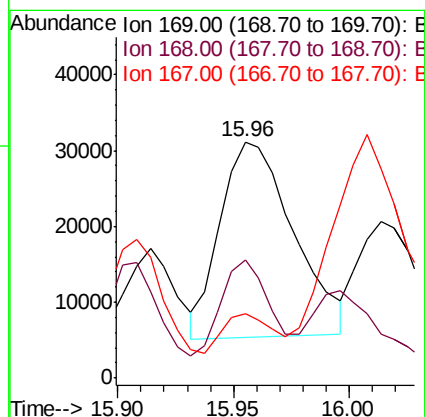
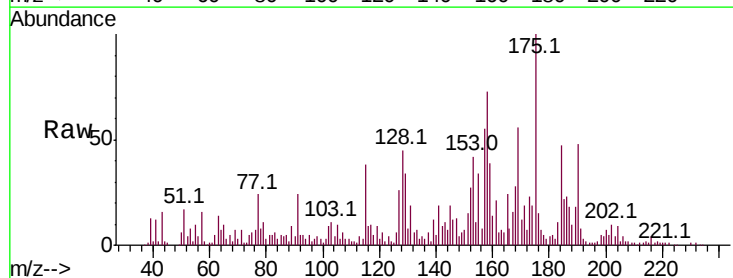
Instrument :
BNA_G
ClientSampled :

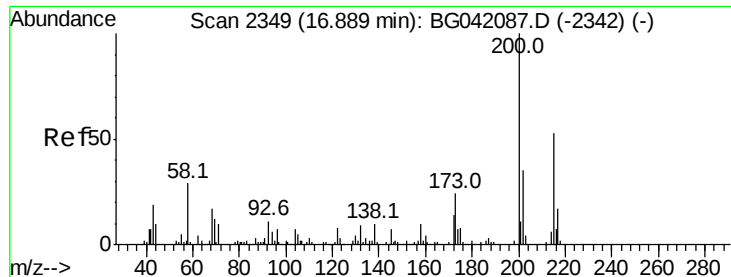
Tot Ion:138 Resp: 4212
Ion Ratio Lower Upper
138 100
92 99.9 34.6 51.8#
108 67.1 54.2 81.2



#64
N-Nitrosodiphenylamine
Concen: 4.513 ng/ul
RT: 15.96 min Scan# 2190
Delta R.T. 0.02 min
Lab File: BG042091.D
Acq: 9 Aug 2019 7:36

Tgt Ion:169 Resp: 56867
Ion Ratio Lower Upper
169 100
168 50.1 55.0 82.4#
167 27.5 29.5 44.3#





#67

Atrazine

Concen: 4.669 ng/ul

RT: 16.91 min Scan# 2352

Delta R.T. 0.02 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampled :

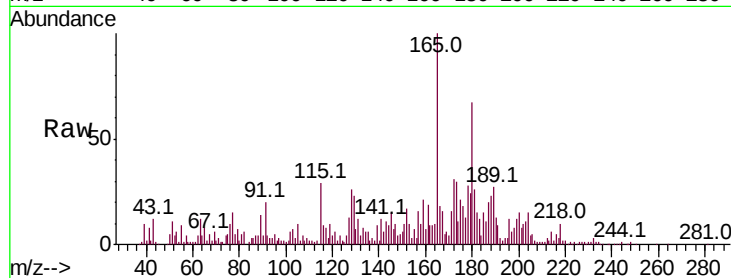
Tot Ion:200 Resp: 24654

Ion Ratio Lower Upper

200 100

173 191.0 19.0 28.6#

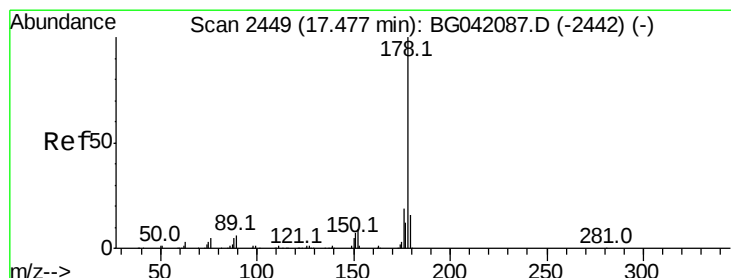
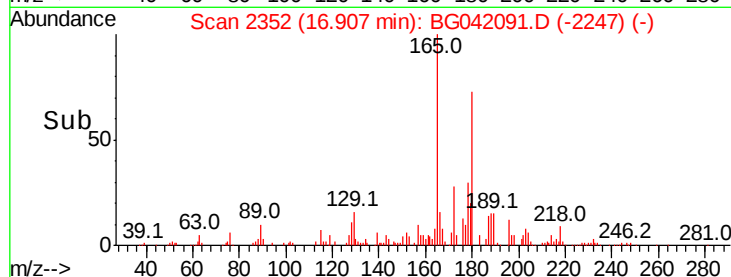
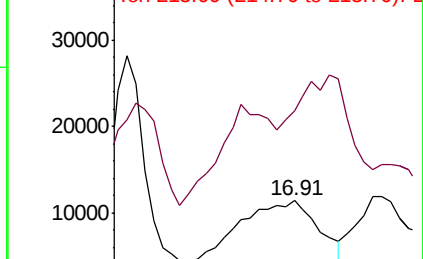
215 14.8 43.0 64.6#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Phenanthrene

Concen: 17.169 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

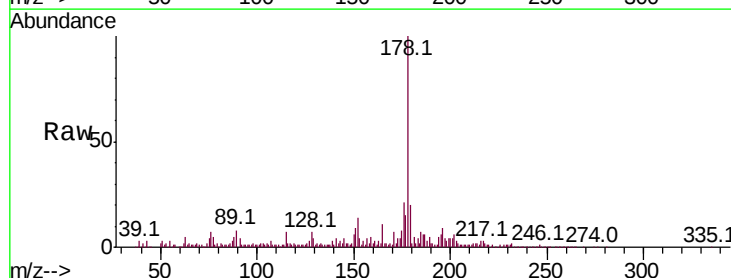
Tgt Ion:178 Resp: 399179

Ion Ratio Lower Upper

178 100

179 20.1 12.8 19.2#

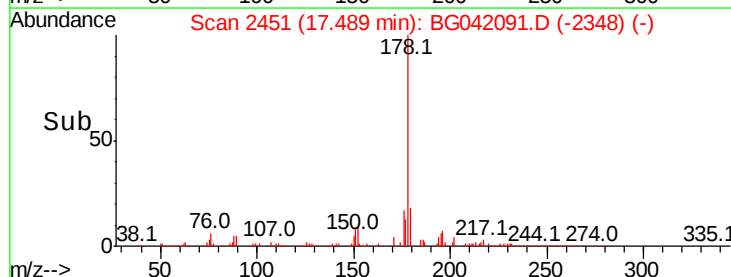
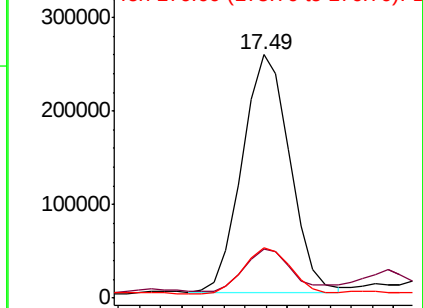
176 20.8 15.4 23.2

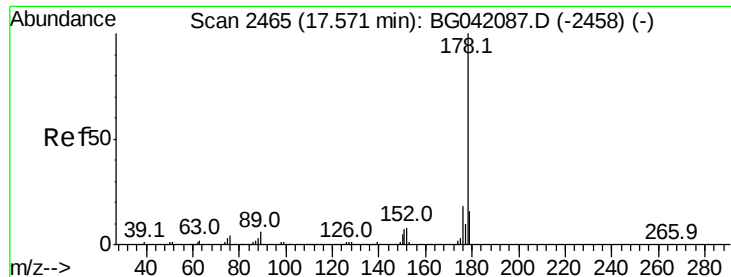


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

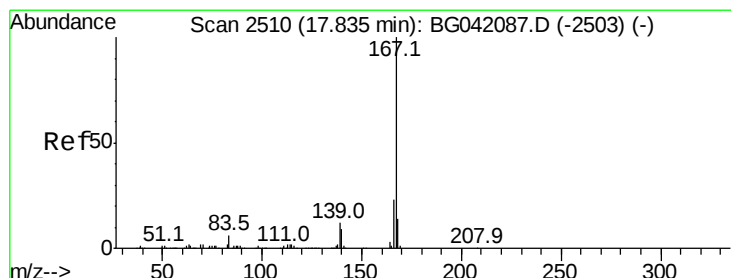
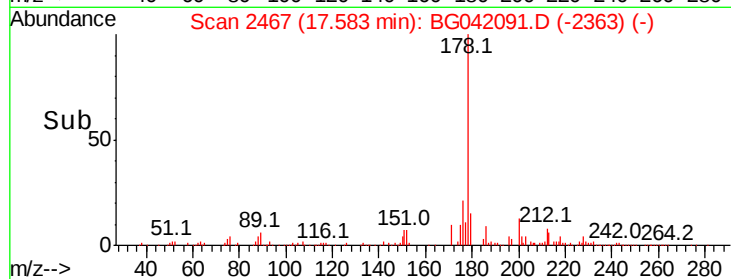
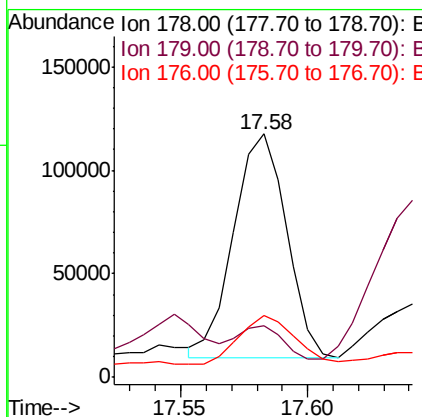
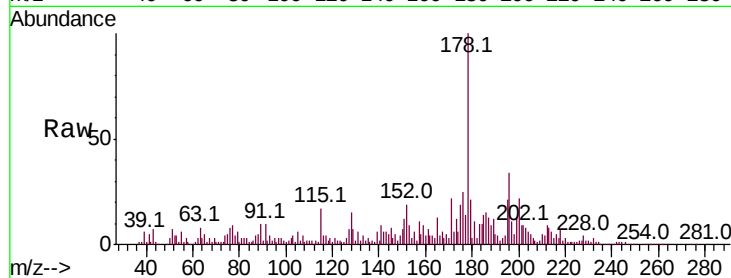




#71
 Anthracene
 Concen: 6.667 ng/ul
 RT: 17.58 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

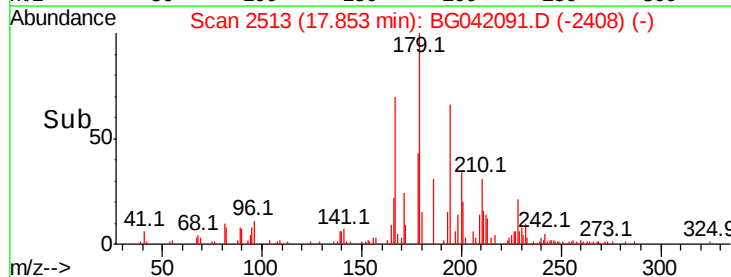
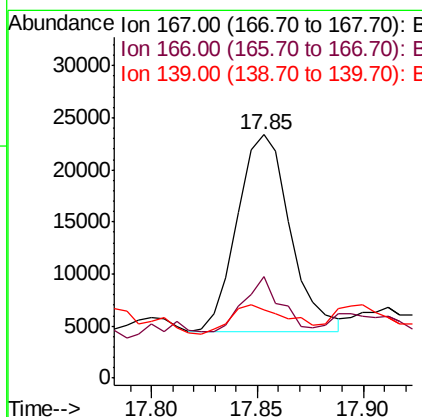
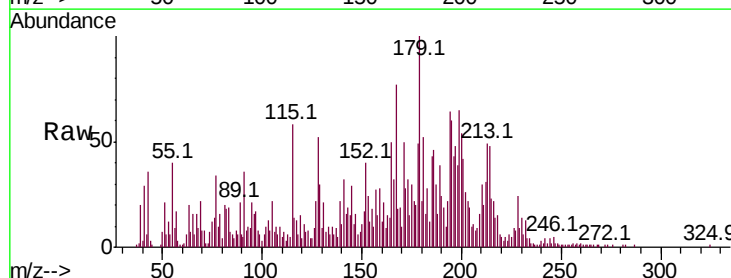
Instrument :
 BNA_G
 ClientSampleId :

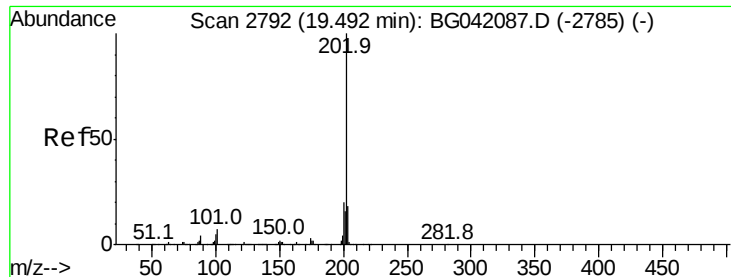
Tot Ion:178 Resp: 157230
 Ion Ratio Lower Upper
 178 100
 179 21.4 13.4 20.0#
 176 25.3 15.4 23.2#



#74
 Carbazole
 Concen: 1.693 ng/ul
 RT: 17.85 min Scan# 2513
 Delta R.T. 0.02 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

Tgt Ion:167 Resp: 33078
 Ion Ratio Lower Upper
 167 100
 166 41.7 18.2 27.4#
 139 28.1 9.6 14.4#

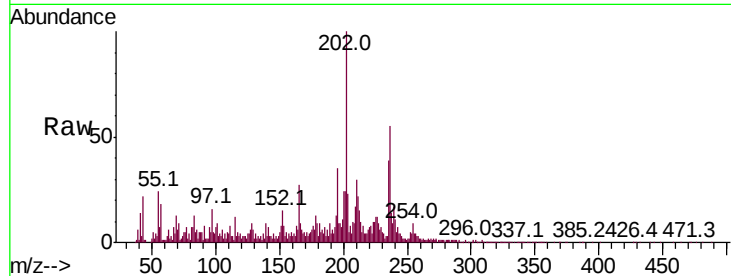




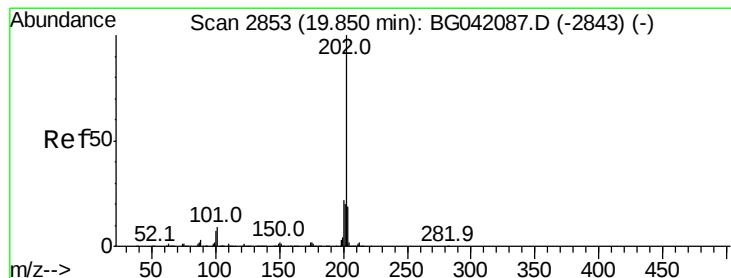
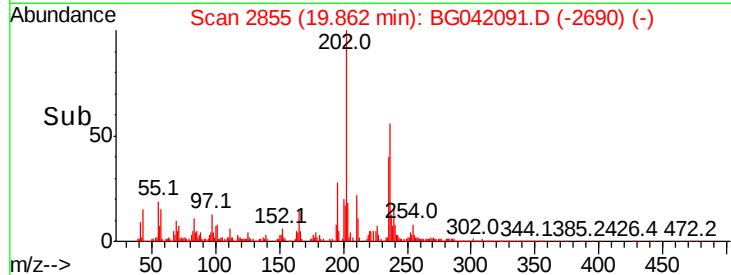
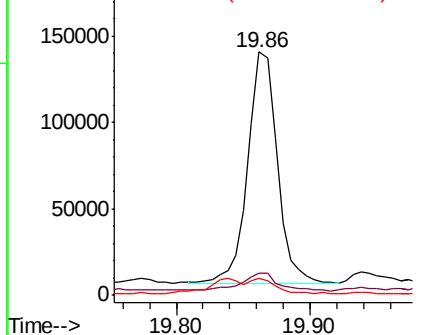
#76
 Fluoranthene
 Concen: 7.538 ng/ul
 RT: 19.86 min Scan# 2855
 Delta R.T. 0.37 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	202	Resp:	202507
Ion Ratio	Lower	Upper	
202	100		
101	9.3	6.7	10.1
100	7.1	5.3	7.9

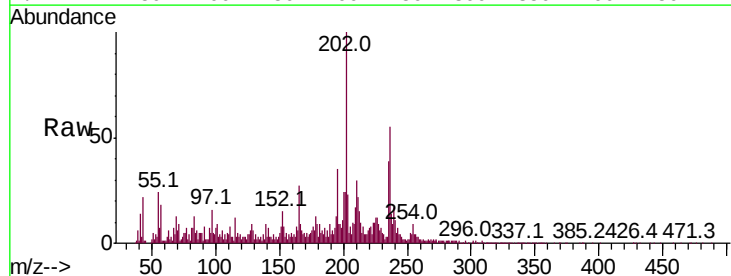


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

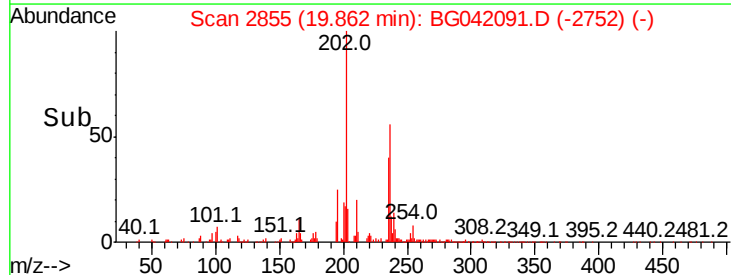
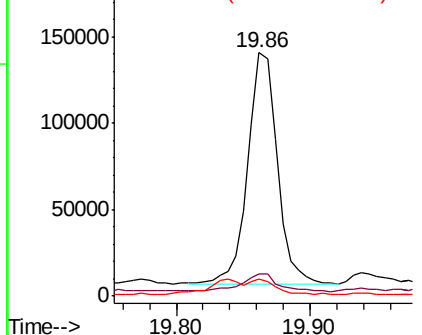


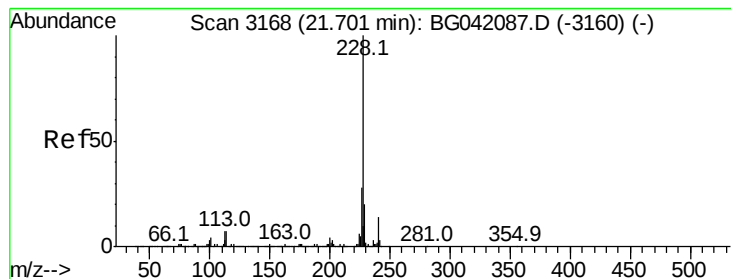
#79
 Pyrene
 Concen: 6.685 ng/ul
 RT: 19.86 min Scan# 2855
 Delta R.T. 0.01 min
 Lab File: BG042091.D
 Acq: 9 Aug 2019 7:36

Tgt Ion:	202	Resp:	202507
Ion Ratio	Lower	Upper	
202	100		
101	9.3	7.6	11.4
100	7.1	6.5	9.7



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.187 ng/ul

RT: 21.71 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampled :

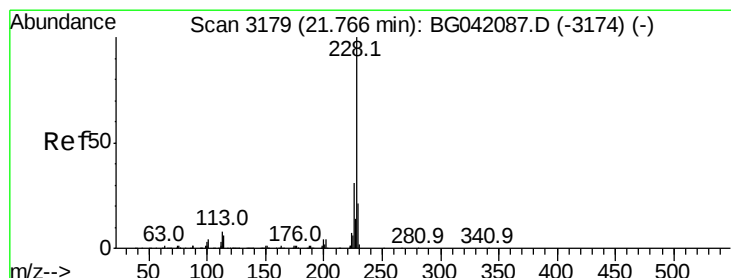
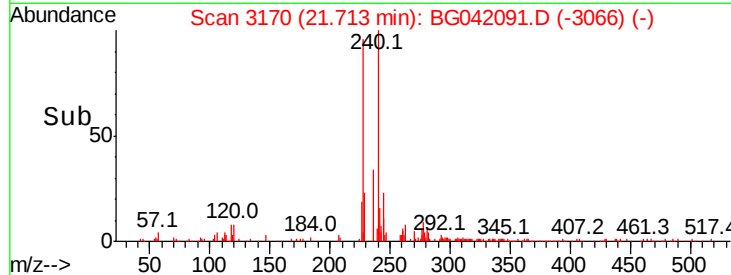
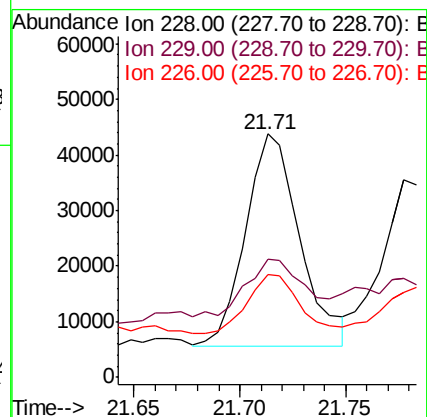
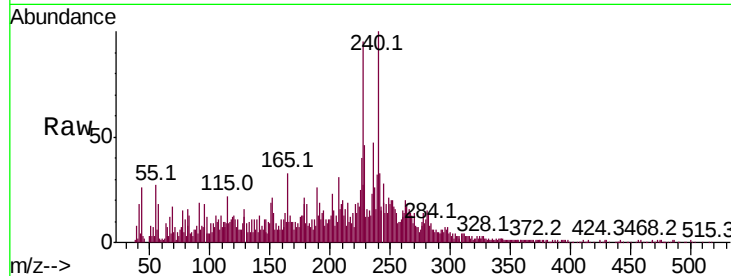
Tot Ion:228 Resp: 68274

Ion Ratio Lower Upper

228 100

229 48.4 17.0 25.6#

226 42.5 23.3 34.9#



#84

Chrysene

Concen: 2.057 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

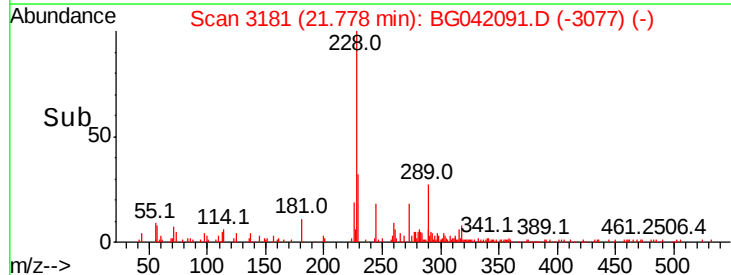
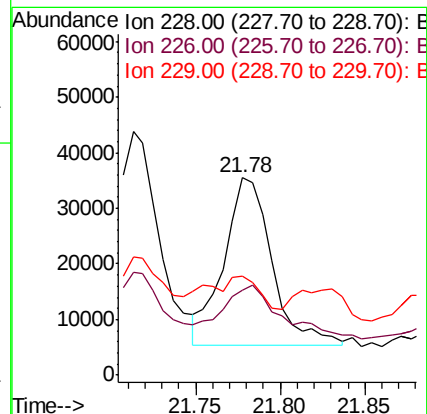
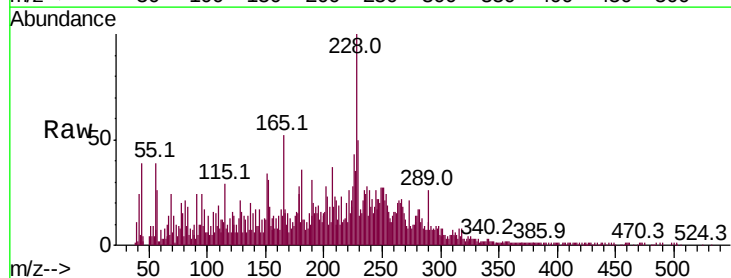
Tgt Ion:228 Resp: 59939

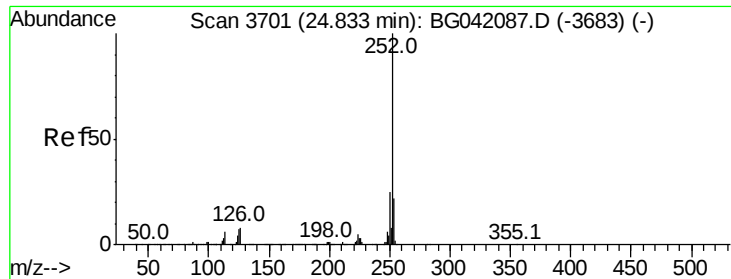
Ion Ratio Lower Upper

228 100

226 42.9 25.7 38.5#

229 50.4 16.6 24.8#





#90

Benzo(a)pyrene

Concen: 1.079 ng/ul

RT: 24.86 min Scan# 3706

Delta R.T. 0.03 min

Lab File: BG042091.D

Acq: 9 Aug 2019 7:36

Instrument :

BNA_G

ClientSampleId :

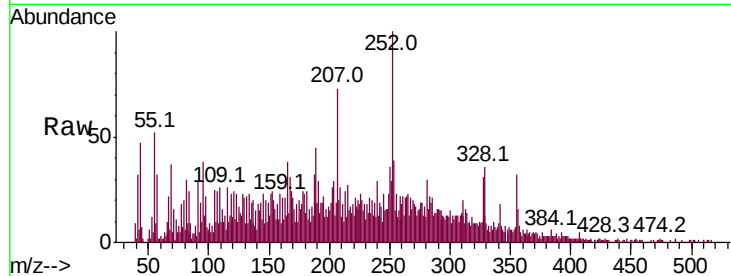
Tot Ion:252 Resp: 34635

Ion Ratio Lower Upper

252 100

253 38.9 18.3 27.5#

125 16.9 6.5 9.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

