

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
 Data File : BG021195.D
 Acq On : 1 Mar 2016 22:24
 Operator : UM/SJ
 Sample : H1565-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CEB-2(2.5-5)20160223

Quant Time: Mar 01 23:57:03 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	12391	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	61132	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	35396	20.00	ng	-0.01
63) Phenanthrene-d10	17.49	188	72538	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	79871	20.00	ng	-0.01
86) Perylene-d12	25.03	264	71095	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	120303	154.35	ng	0.00
7) Phenol-d6	7.30	99	205382	160.25	ng	0.00
23) Nitrobenzene-d5	9.31	82	147372	102.01	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	43636	118.49	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	241007	96.69	ng	-0.01
78) Terphenyl-d14	20.08	244	314499	95.39	ng	-0.01

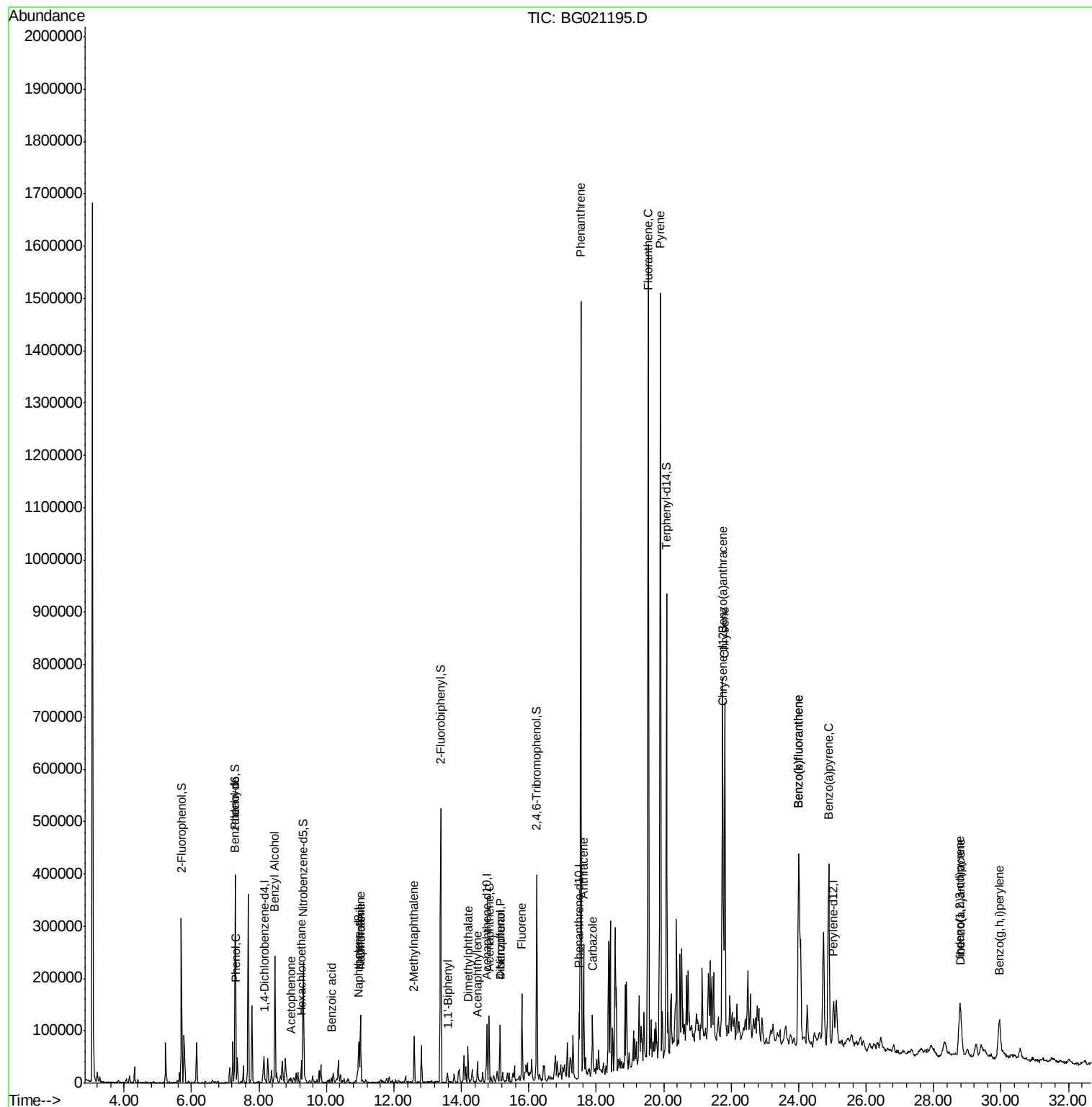
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	3516	4.39	ng	# 1
10) Phenol	7.32	94	2849	2.09	ng	# 41
15) Benzyl Alcohol	8.47	79	2357	2.01	ng	# 49
18) Hexachloroethane	9.25	117	3862	9.14	ng	# 1
22) Acetophenone	8.95	105	6897	3.79	ng	# 57
31) Naphthalene	11.01	128	95533	29.97	ng	99
32) Benzoic acid	10.15	122	131	5.82	ng	# 20
33) 4-Chloroaniline	11.01	127	13069	8.89	ng	# 38
37) 2-Methylnaphthalene	12.60	142	38707	17.06	ng	# 93
45) 1,1'-Biphenyl	13.59	154	7795	2.68	ng	# 88
48) Acenaphthylene	14.48	152	26409	7.14	ng	# 95
49) Dimethylphthalate	14.20	163	38683	12.26	ng	# 98
51) Acenaphthene	14.82	154	40940	17.43	ng	99
54) Dibenzofuran	15.15	168	50309	16.04	ng	# 90
55) 4-Nitrophenol	15.15	139	22608	37.23	ng	# 10
57) Fluorene	15.79	166	69088	23.12	ng	98
70) Phenanthrene	17.54	178	863179	220.50	ng	98
71) Anthracene	17.63	178	145721	36.38	ng	99
72) Carbazole	17.89	167	67123	18.90	ng	98
74) Fluoranthene	19.54	202	913712	198.68	ng	97
77) Pyrene	19.90	202	903993	189.72	ng	94
80) Benzo(a)anthracene	21.74	228	413270	87.40	ng	97
82) Chrysene	21.81	228	407108	90.85	ng	96
85) Indeno(1,2,3-cd)pyrene	28.78	276	182026	35.42	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	439519	98.29	ng	95
88) Benzo(k)fluoranthene	24.00	252	439519	98.14	ng	95
89) Benzo(a)pyrene	24.89	252	352941	81.63	ng	95
90) Dibenzo(a,h)anthracene	28.81	278	44407	10.38	ng	# 96
91) Benzo(g,h,i)perylene	29.95	276	165820	40.13	ng	# 93

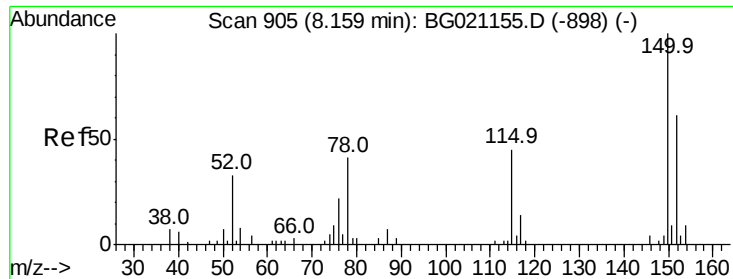
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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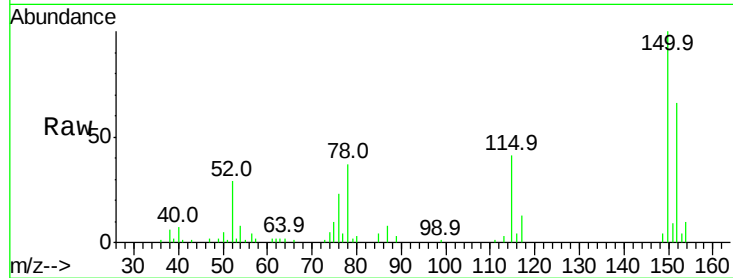


#1

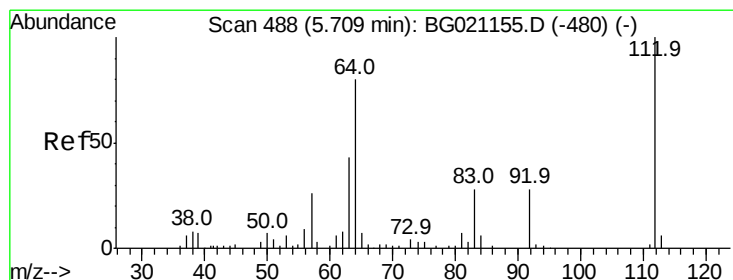
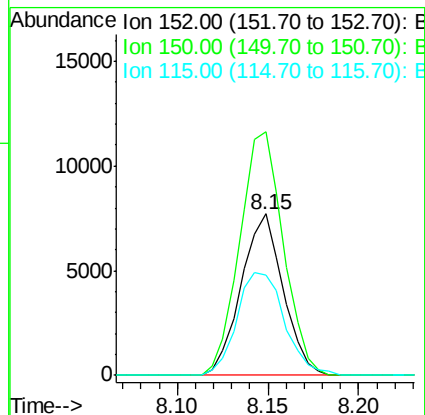
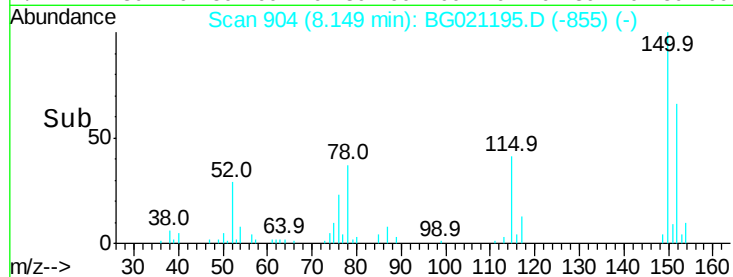
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Instrument :
BNA_G
ClientSampleId :
CEB-2(2.5-5)20160223

Tot Ion:152 Resp: 12391
Ion Ratio Lower Upper
152 100
150 151.0 123.4 185.2
115 62.0 43.3 64.9



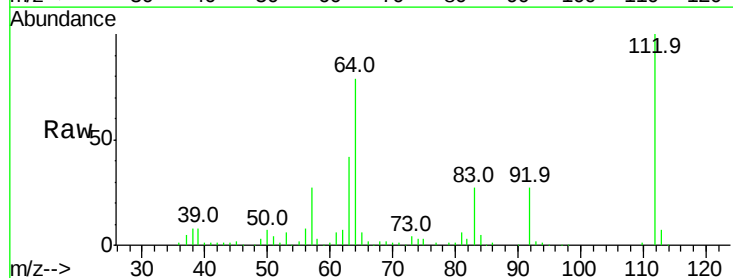
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



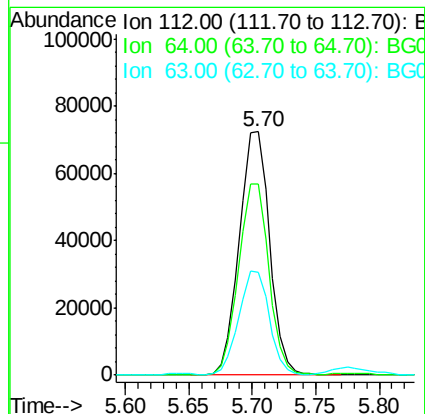
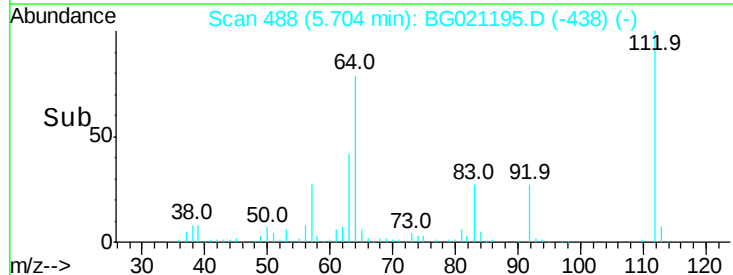
#5

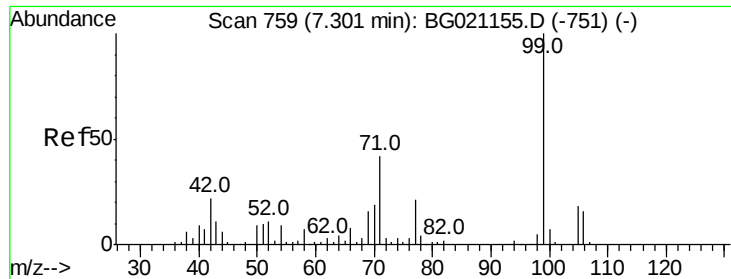
2-Fluorophenol
Concen: 154.35 ng
RT: 5.70 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Tgt Ion:112 Resp: 120303
Ion Ratio Lower Upper
112 100
64 78.5 42.6 63.8#
63 42.5 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 160.25 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

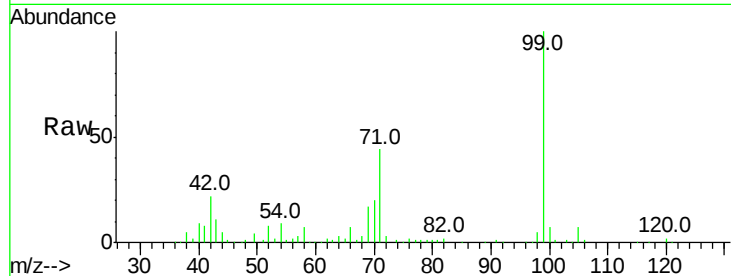
Tot Ion: 99 Resp: 205382

Ion Ratio Lower Upper

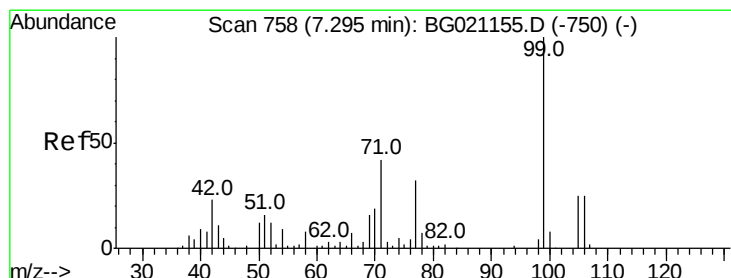
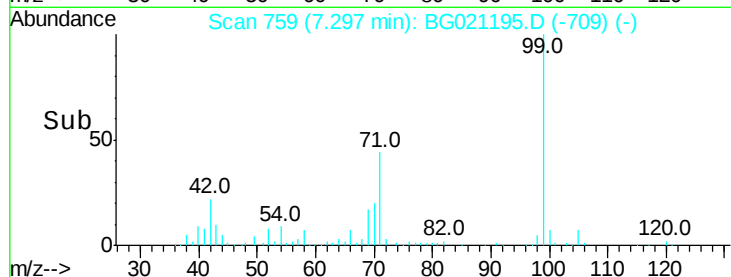
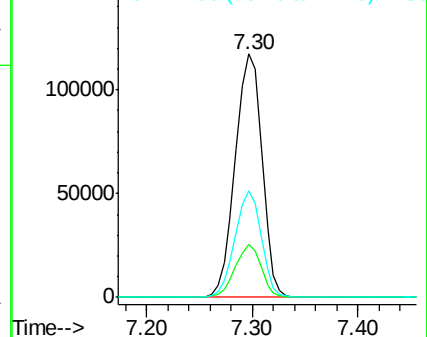
99 100

42 21.9 13.2 19.8#

71 43.8 25.2 37.8#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 4.39 ng

RT: 7.28 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

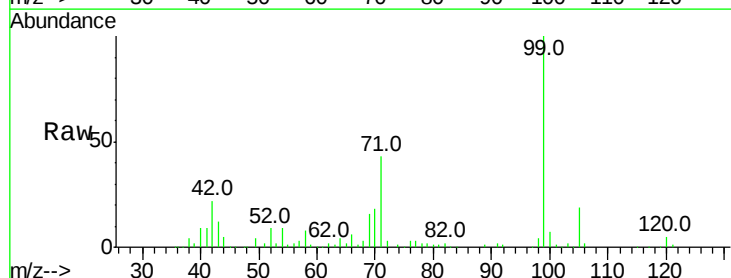
Tgt Ion: 77 Resp: 3516

Ion Ratio Lower Upper

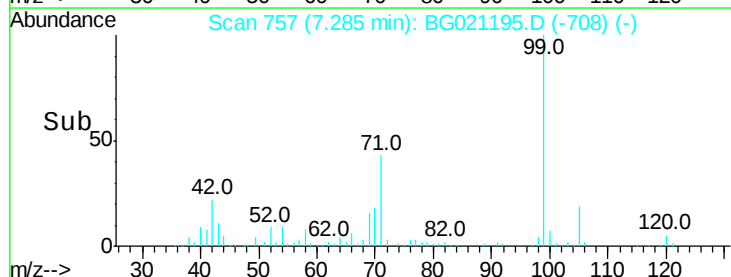
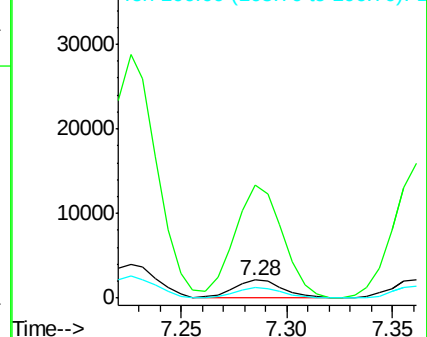
77 100

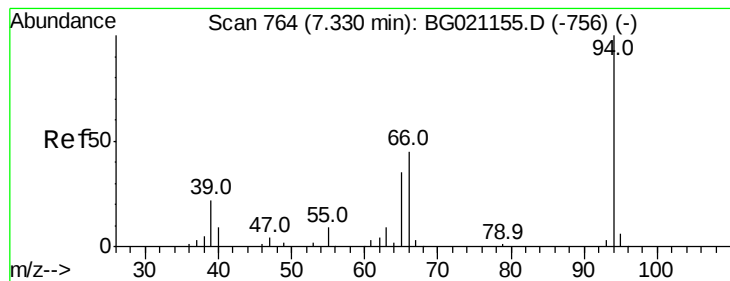
105 625.4 77.4 117.4#

106 61.8 72.8 112.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.09 ng

RT: 7.32 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

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CEB-2(2.5-5)20160223

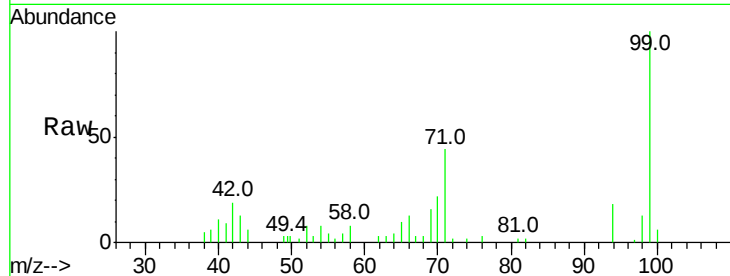
Tot Ion: 94 Resp: 2849

Ion Ratio Lower Upper

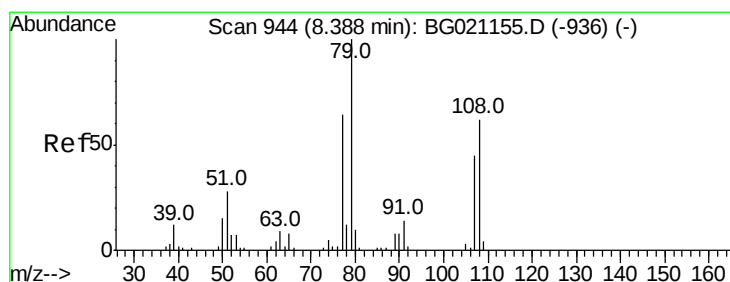
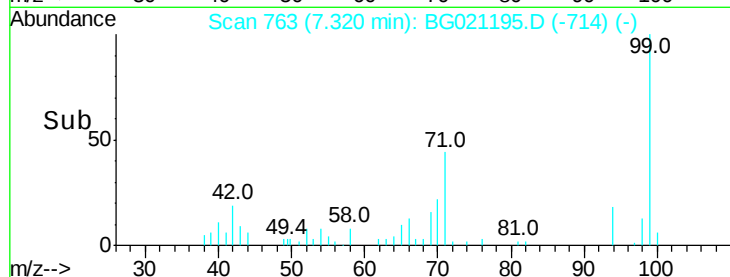
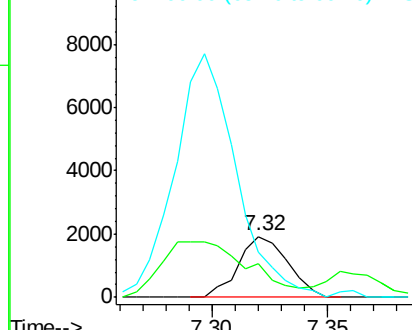
94 100

65 54.2 7.2 47.2#

66 73.3 15.4 55.4#



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 8.47 min Scan# 958

Delta R.T. 0.08 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

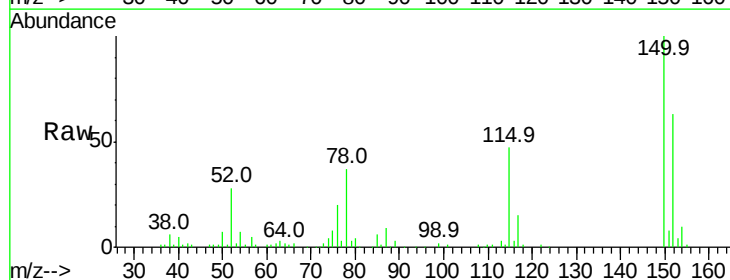
Tgt Ion: 79 Resp: 2357

Ion Ratio Lower Upper

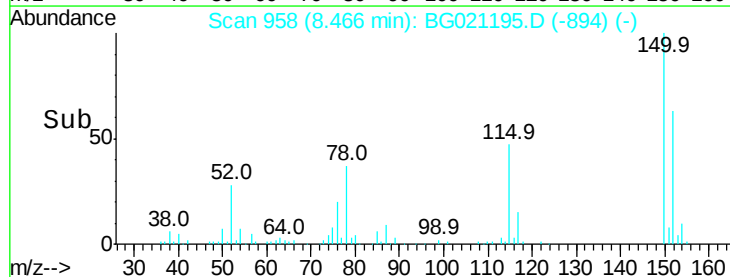
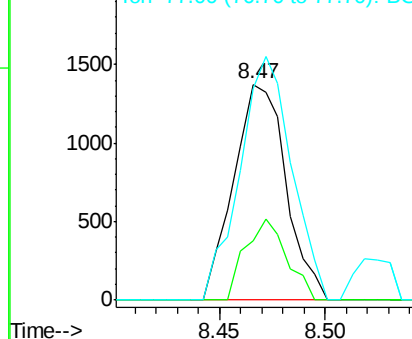
79 100

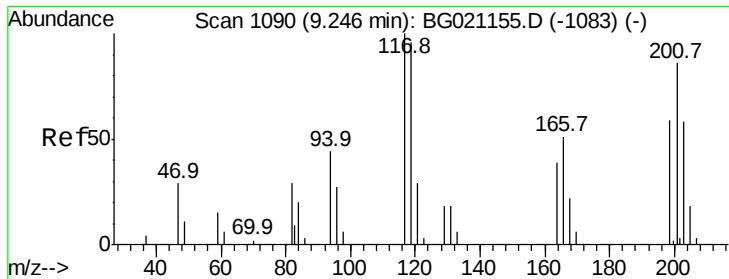
108 27.4 65.1 97.7#

77 98.3 53.8 80.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#18

Hexachloroethane

Concen: 9.14 ng

RT: 9.25 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

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CEB-2(2.5-5)20160223

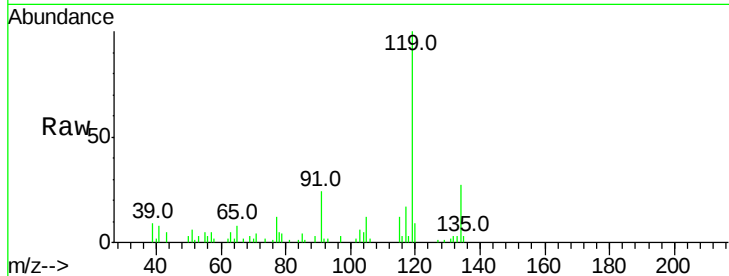
Tot Ion:117 Resp: 3862

Ion Ratio Lower Upper

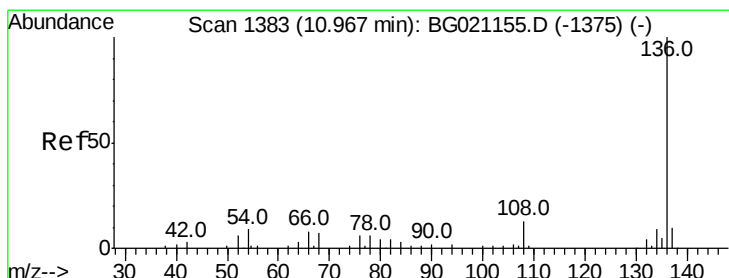
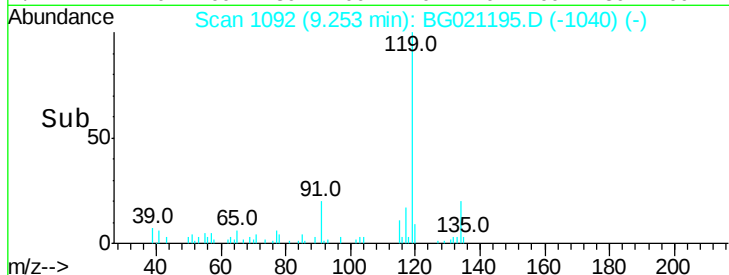
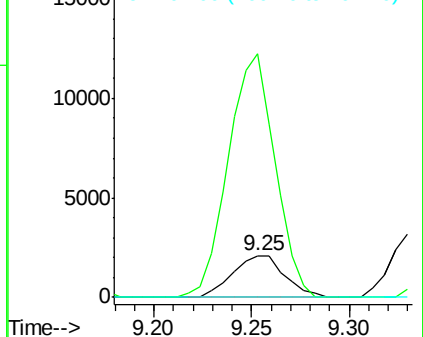
117 100

119 587.1 74.5 111.7#

201 0.0 68.2 102.4#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Tgt Ion:136 Resp: 61132

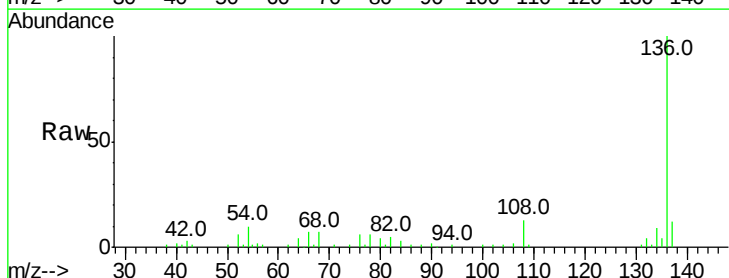
Ion Ratio Lower Upper

136 100

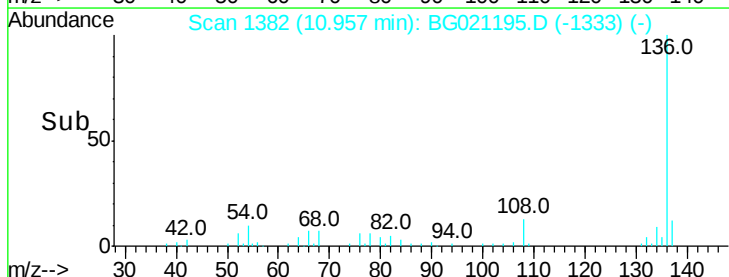
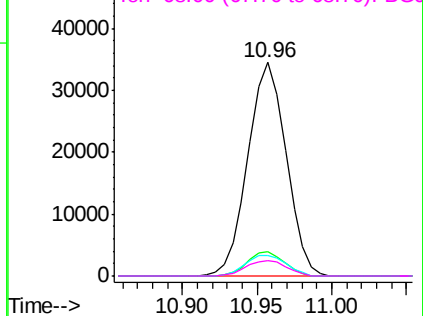
137 11.6 8.8 13.2

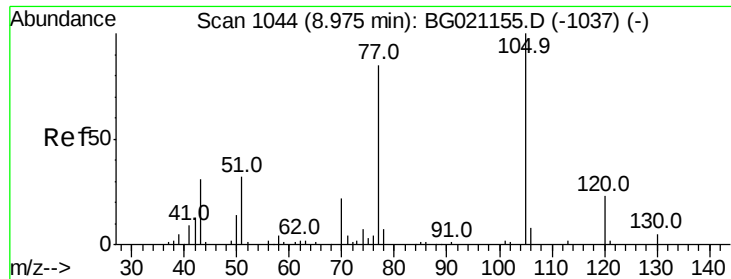
54 9.7 6.9 10.3

68 7.1 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

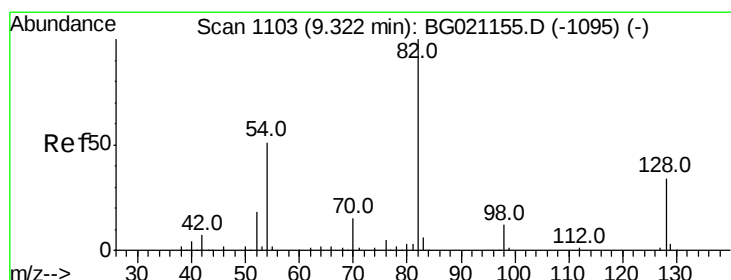
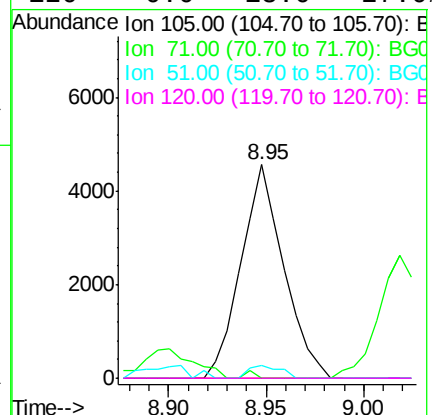
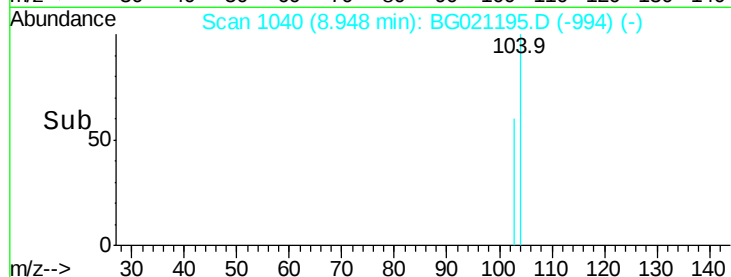
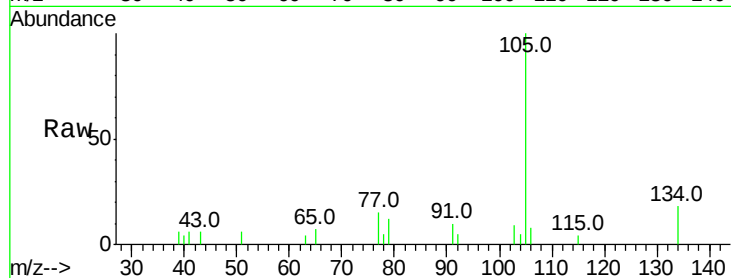




#22
Acetophenone
Concen: 3.79 ng
RT: 8.95 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

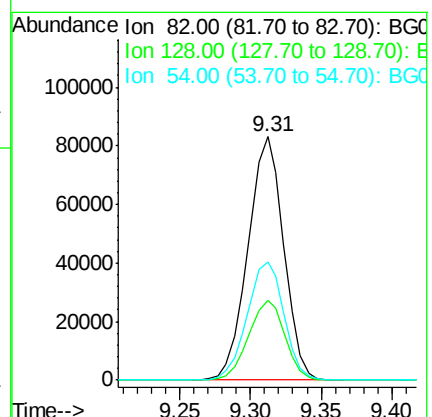
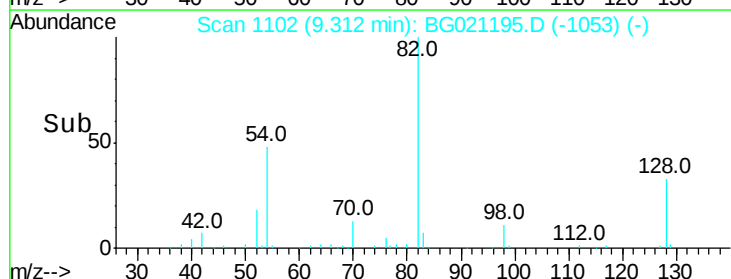
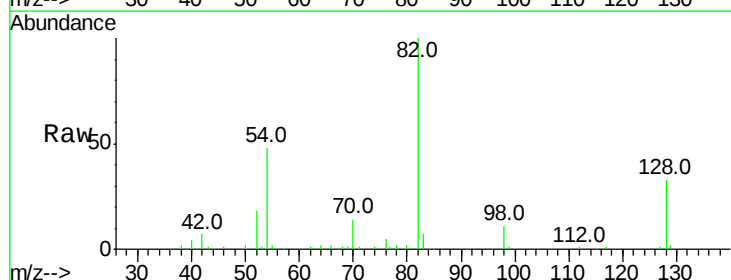
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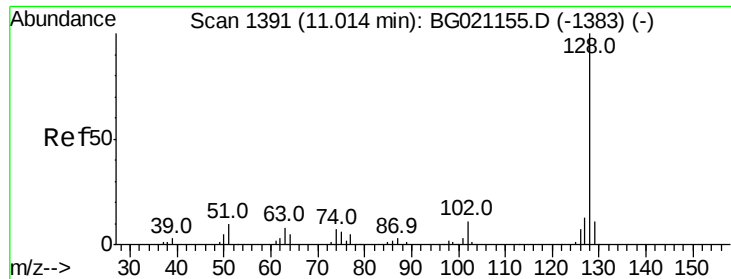
Tot Ion:105 Resp: 6897
Ion Ratio Lower Upper
105 100
71 0.0 0.0 0.0
51 6.1 21.4 32.2#
120 0.0 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 102.01 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Tgt Ion: 82 Resp: 147372
Ion Ratio Lower Upper
82 100
128 32.9 36.3 54.5#
54 48.3 37.6 56.4

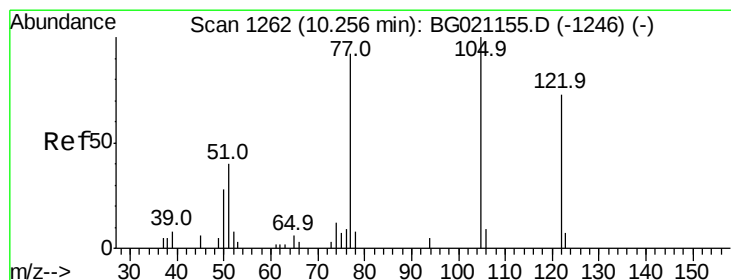
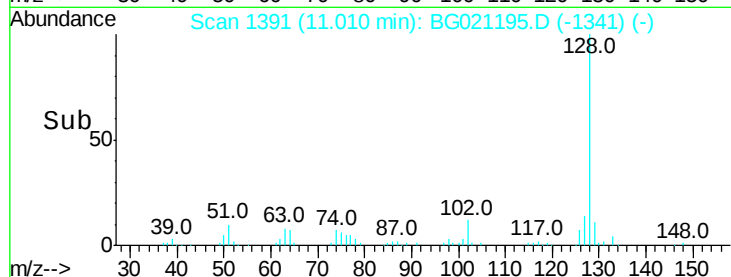
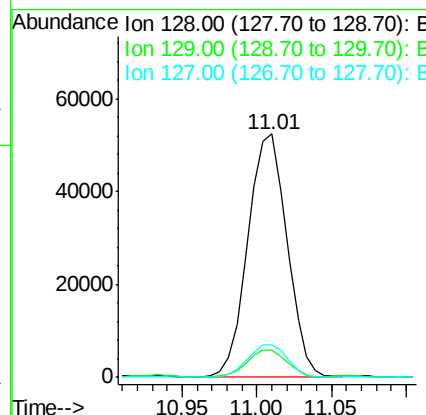
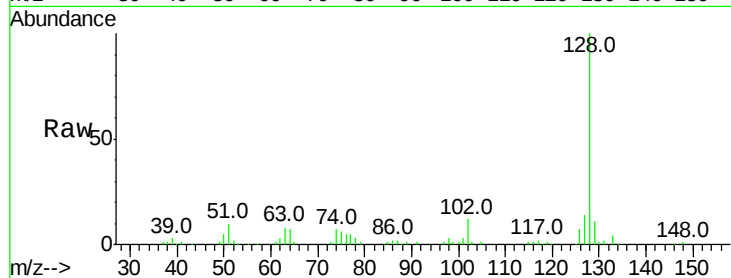




#31
Naphthalene
Concen: 29.97 ng
RT: 11.01 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

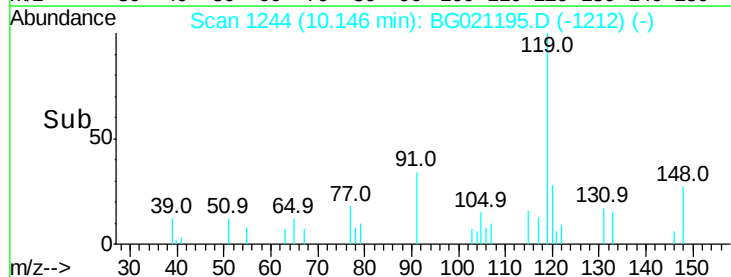
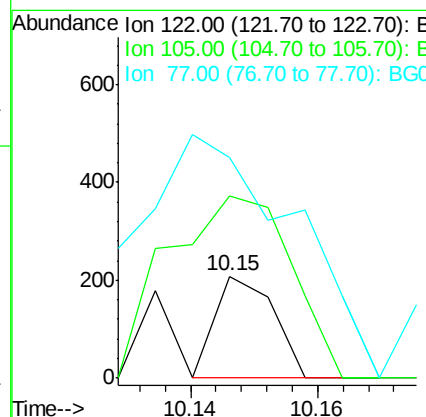
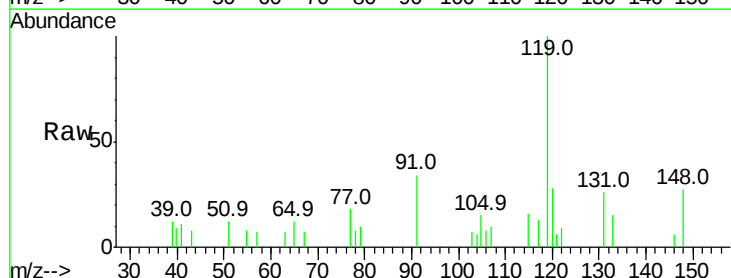
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CEB-2(2.5-5)20160223

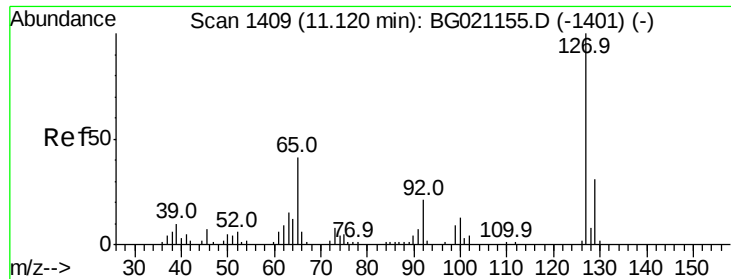
Tot Ion:128 Resp: 95533
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 5.82 ng
RT: 10.15 min Scan# 1244
Delta R.T. -0.11 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Tgt Ion:122 Resp: 131
Ion Ratio Lower Upper
122 100
105 178.8 98.7 138.7#
77 217.3 84.5 124.5#

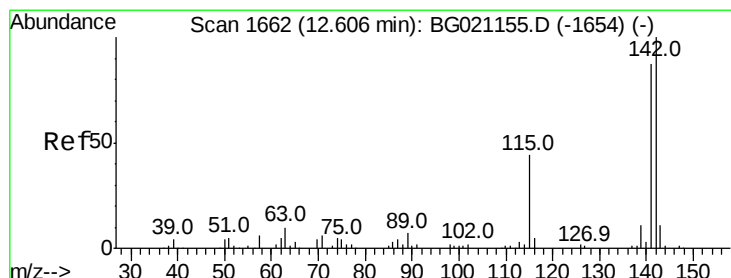
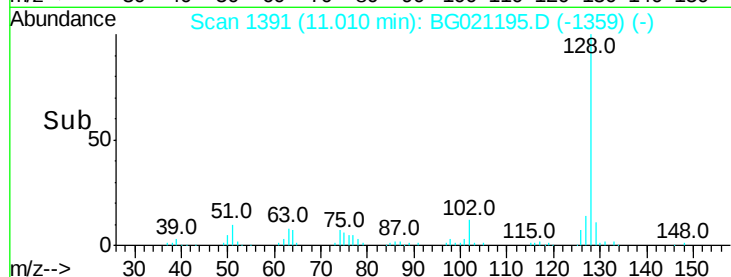
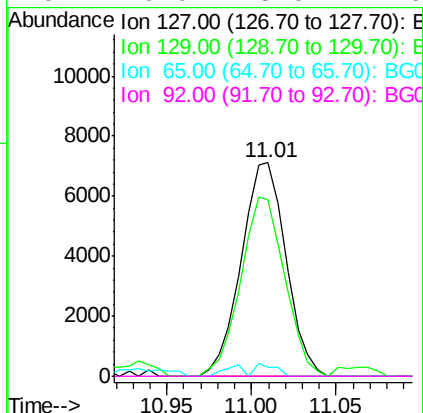
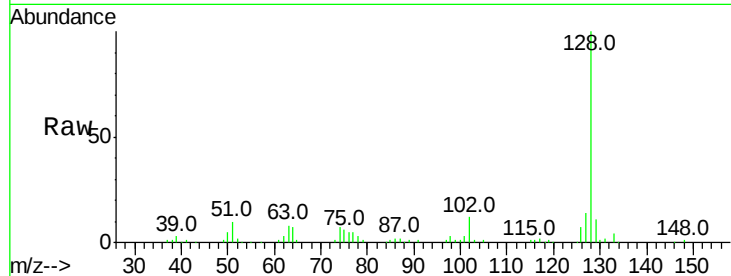




#33
4-Chloroaniline
Concen: 8.89 ng
RT: 11.01 min Scan# 1391
Delta R.T. -0.11 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

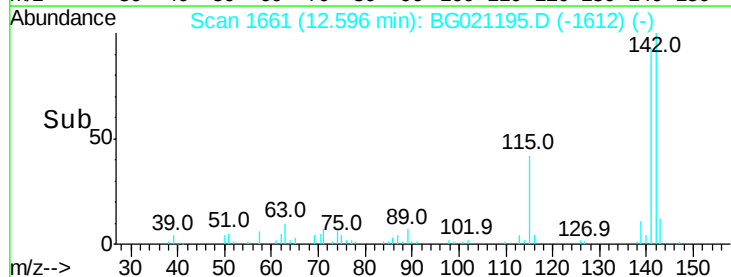
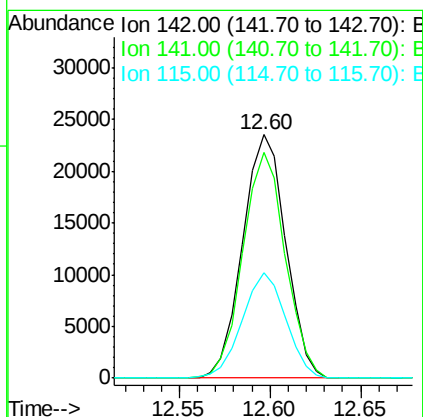
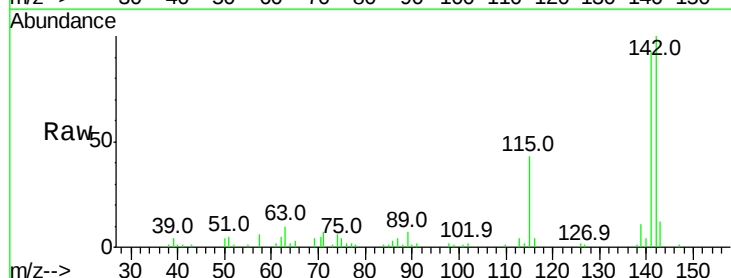
Instrument :
BNA_G
ClientSampleId :
CEB-2(2.5-5)20160223

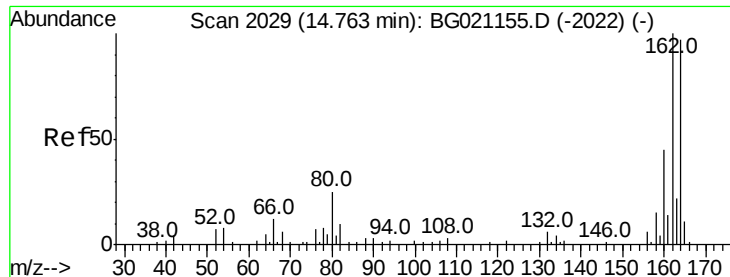
Tot Ion:127 Resp: 13069
Ion Ratio Lower Upper
127 100
129 82.7 26.2 39.2#
65 4.3 22.9 34.3#
92 0.0 15.0 22.6#



#37
2-Methylnaphthalene
Concen: 17.06 ng
RT: 12.60 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Tgt Ion:142 Resp: 38707
Ion Ratio Lower Upper
142 100
141 92.8 71.7 107.5
115 43.1 26.2 39.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.75 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

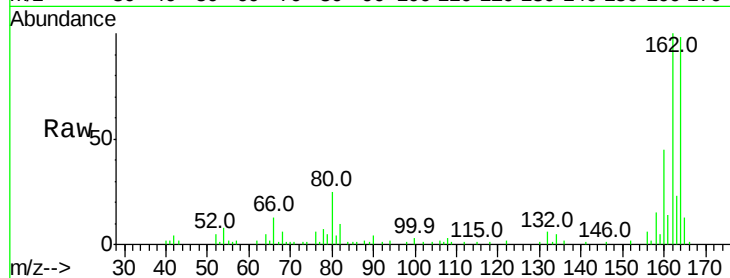
Tot Ion:164 Resp: 35396

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

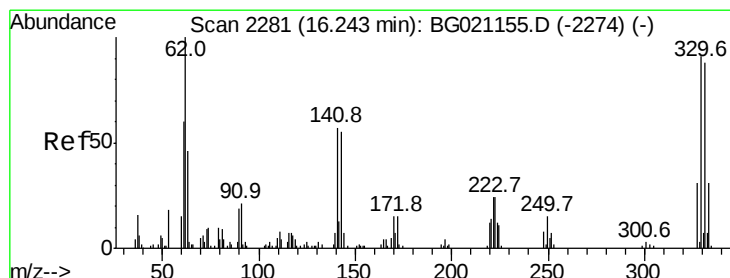
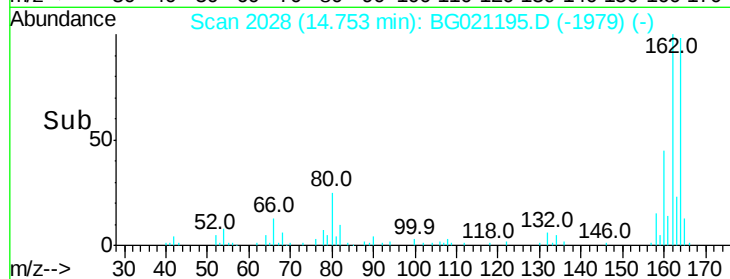
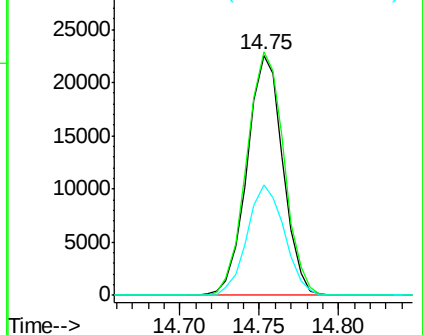
160 45.9 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 118.49 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

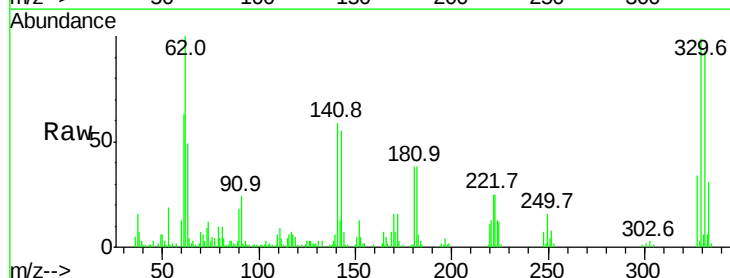
Tgt Ion:330 Resp: 43636

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

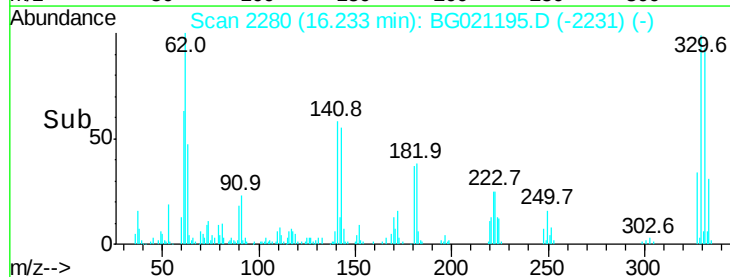
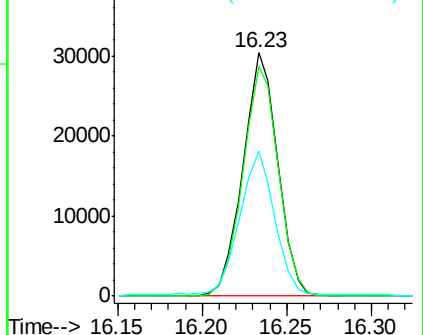
141 58.9 35.3 52.9#

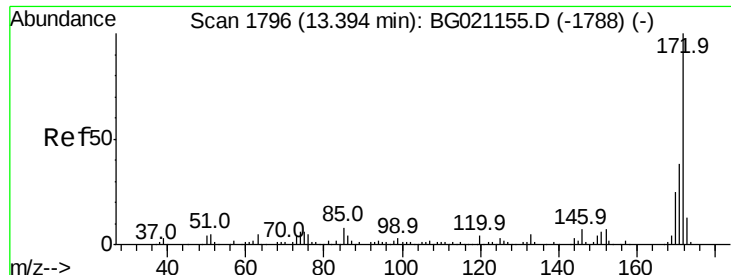


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

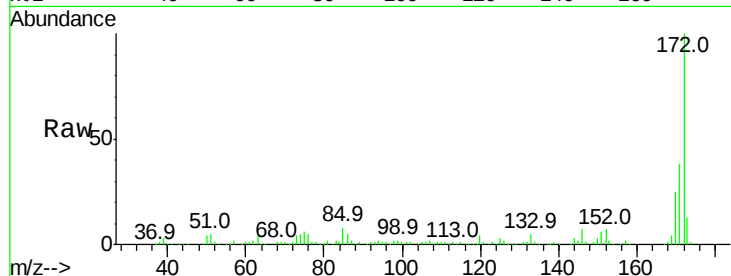




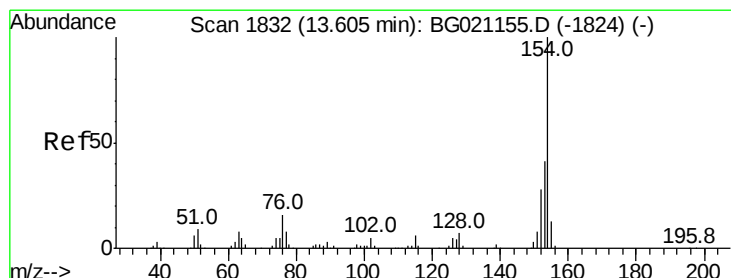
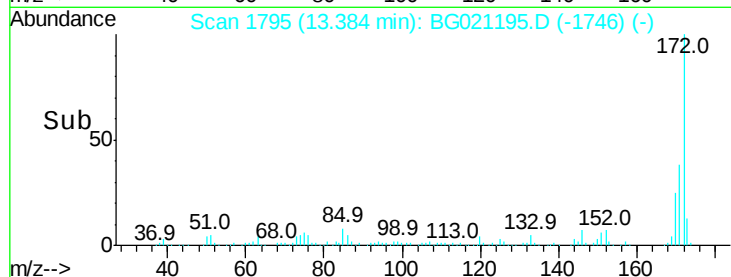
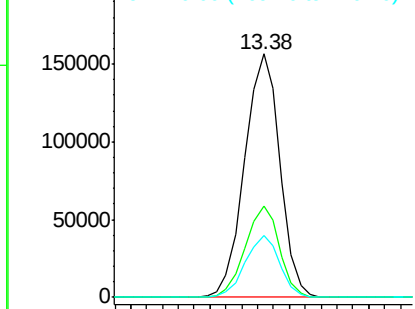
#44
 2-Fluorobiphenyl
 Concen: 96.69 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

Instrument :
 BNA_G
 ClientSampleId :
 CEB-2(2.5-5)20160223

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	25.2	19.8	29.8

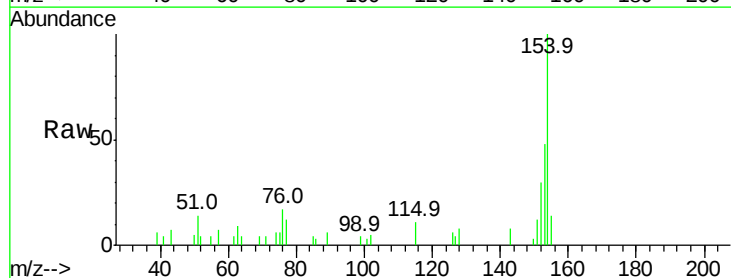


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

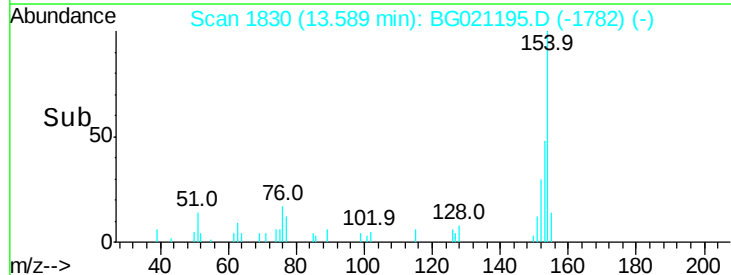
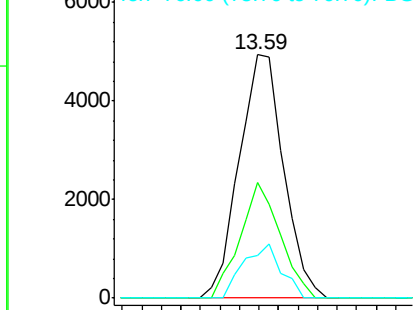


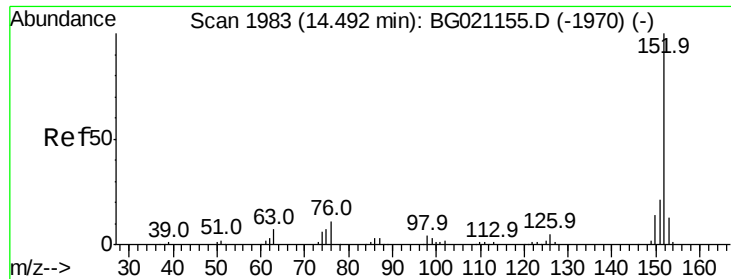
#45
 1,1'-Biphenyl
 Concen: 2.68 ng
 RT: 13.59 min Scan# 1830
 Delta R.T. -0.02 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	47.5	19.8	59.8
76	17.4	0.0	33.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#48

Acenaphthylene

Concen: 7.14 ng

RT: 14.48 min Scan# 1981

Delta R.T. -0.02 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

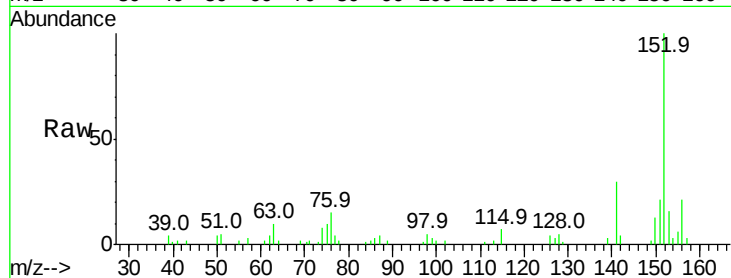
Tot Ion:152 Resp: 26409

Ion Ratio Lower Upper

152 100

151 21.4 15.9 23.9

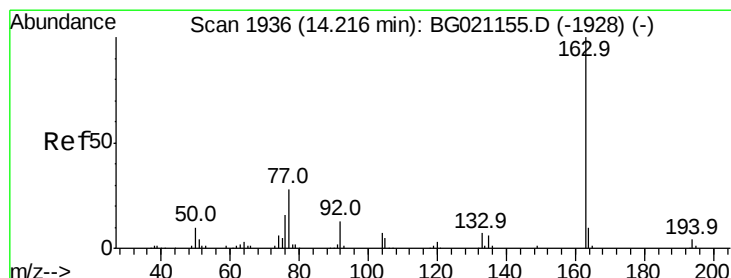
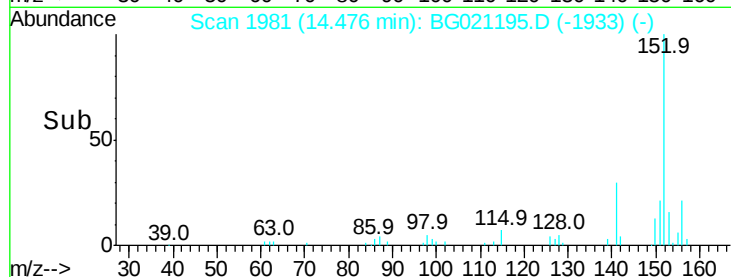
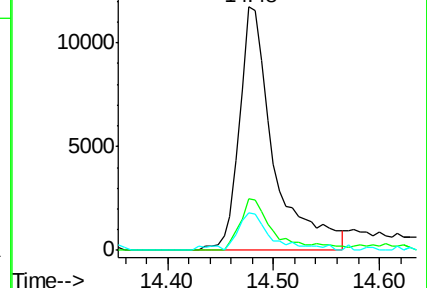
153 15.6 10.2 15.2#



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



#49

Dimethylphthalate

Concen: 12.26 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.02 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

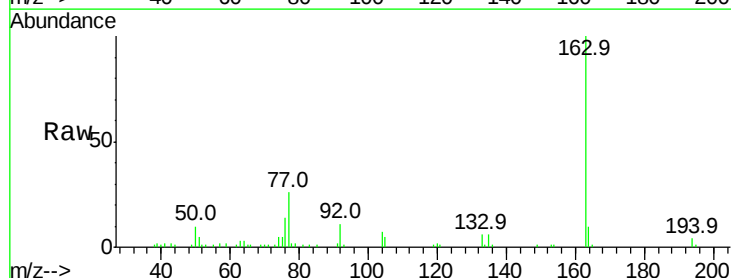
Tgt Ion:163 Resp: 38683

Ion Ratio Lower Upper

163 100

194 4.3 2.8 4.2#

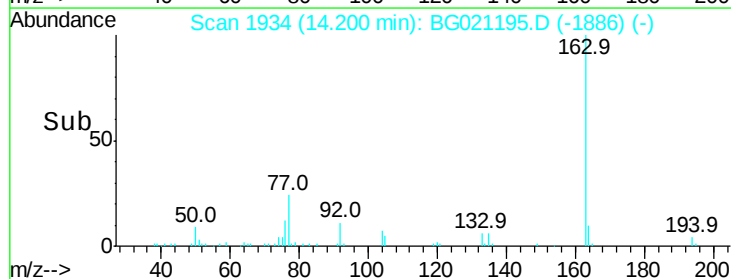
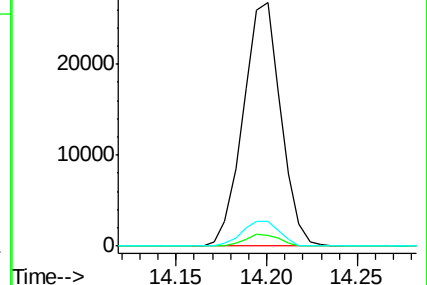
164 10.4 7.9 11.9

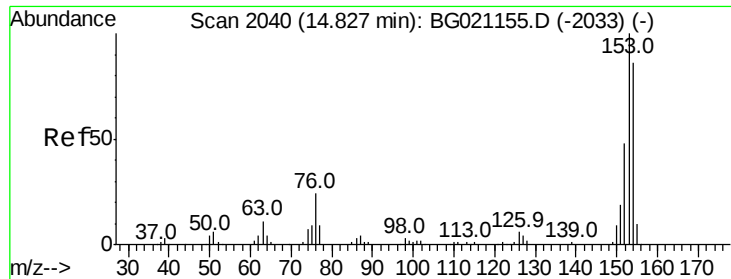


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 17.43 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

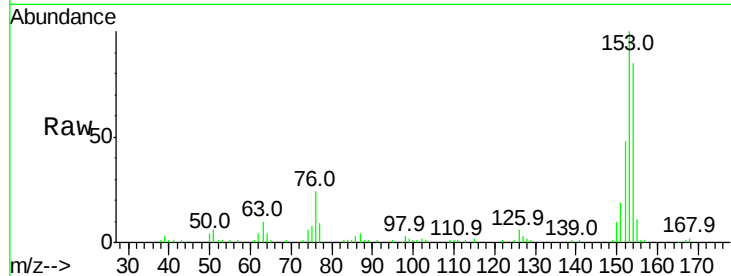
Tot Ion:154 Resp: 40940

Ion Ratio Lower Upper

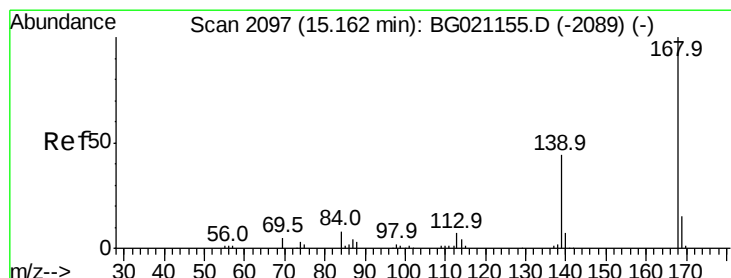
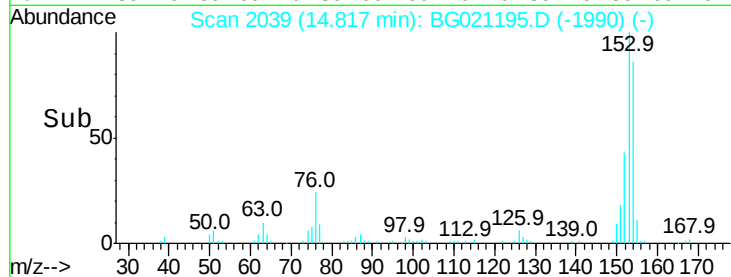
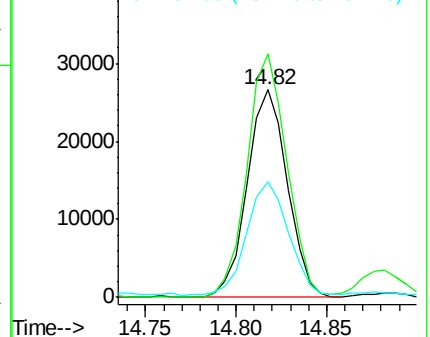
154 100

153 117.4 94.2 141.2

152 56.1 42.9 64.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 16.04 ng

RT: 15.15 min Scan# 2095

Delta R.T. -0.02 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

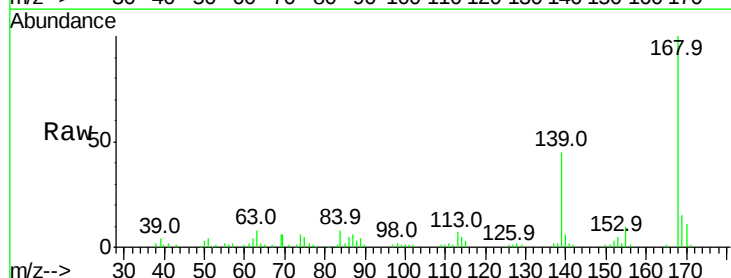
Tgt Ion:168 Resp: 50309

Ion Ratio Lower Upper

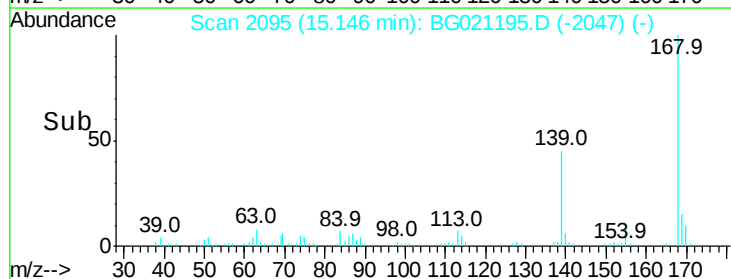
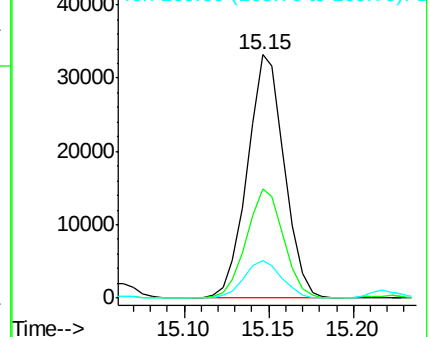
168 100

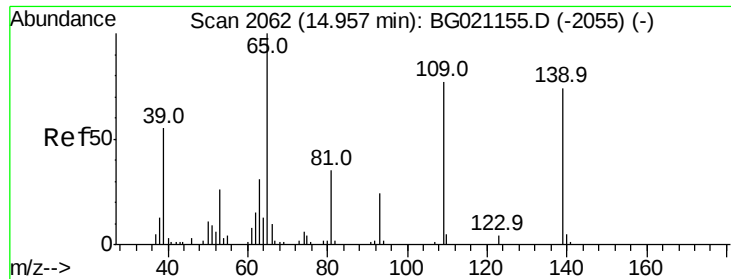
139 45.0 29.8 44.8#

169 15.3 11.4 17.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 37.23 ng

RT: 15.15 min Scan# 2095

Delta R.T. 0.19 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

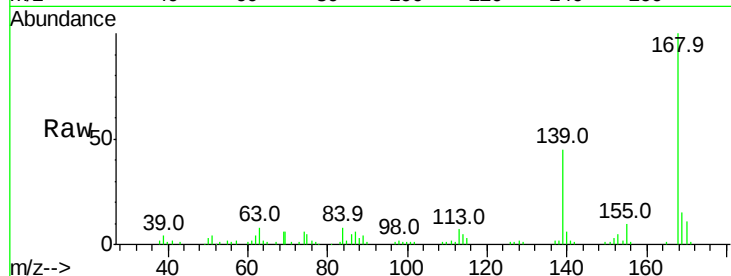
Tot Ion:139 Resp: 22608

Ion Ratio Lower Upper

139 100

109 1.4 54.1 94.1#

65 3.0 73.4 113.4#

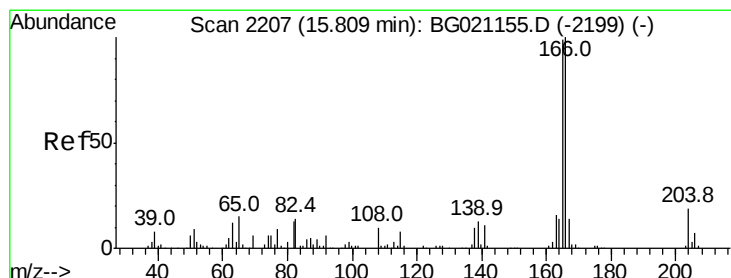
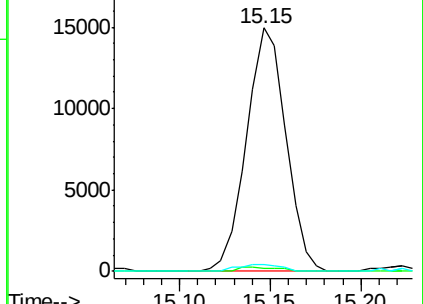
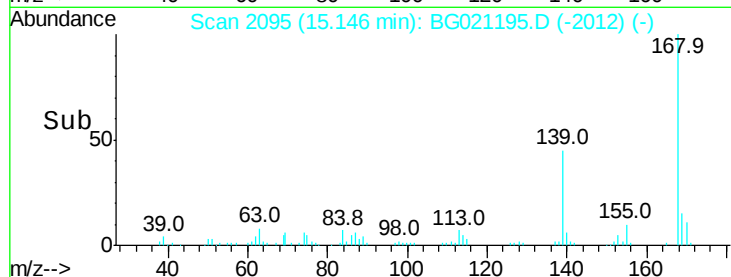


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

Time-->



#57

Fluorene

Concen: 23.12 ng

RT: 15.79 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

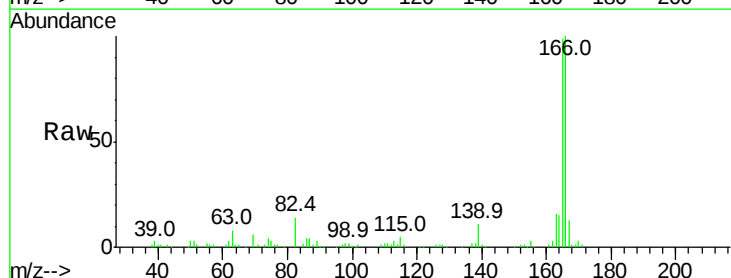
Tgt Ion:166 Resp: 69088

Ion Ratio Lower Upper

166 100

165 99.3 81.3 121.9

167 13.5 10.6 16.0

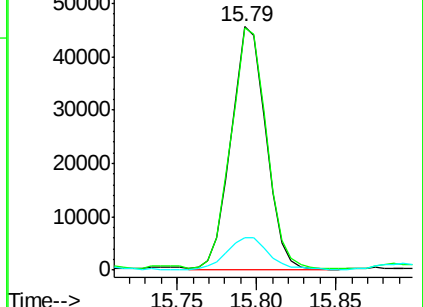
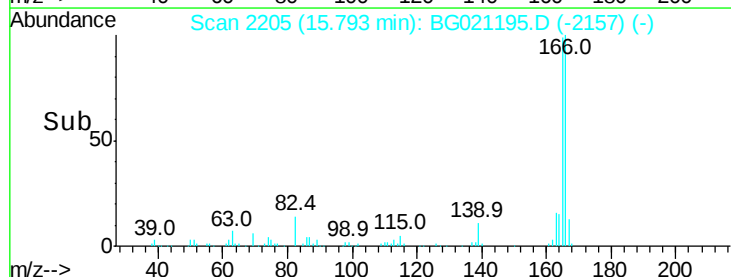


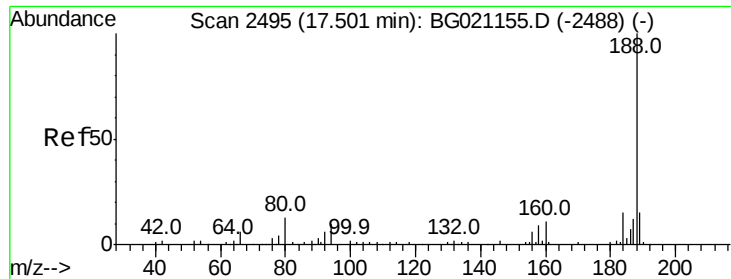
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

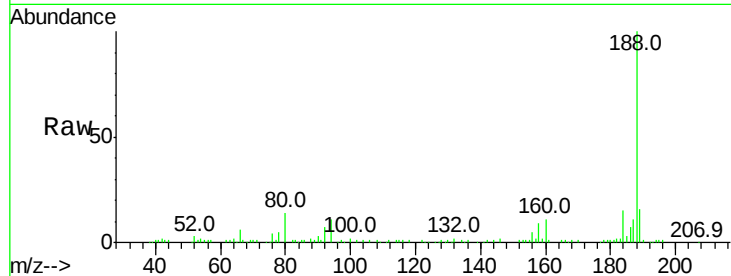
Tot Ion:188 Resp: 72538

Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.4

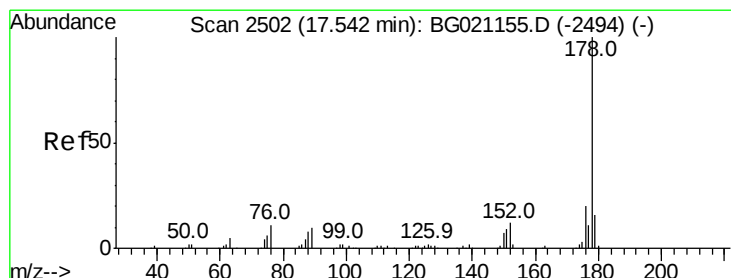
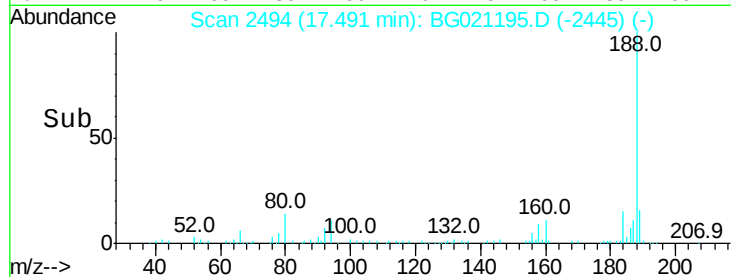
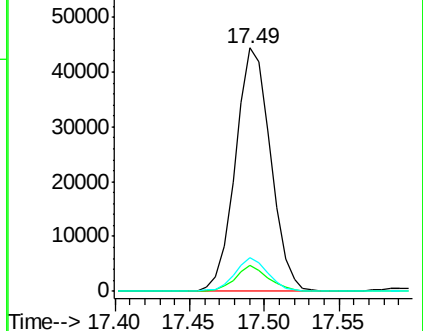
80 14.0 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 220.50 ng

RT: 17.54 min Scan# 2503

Delta R.T. 0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

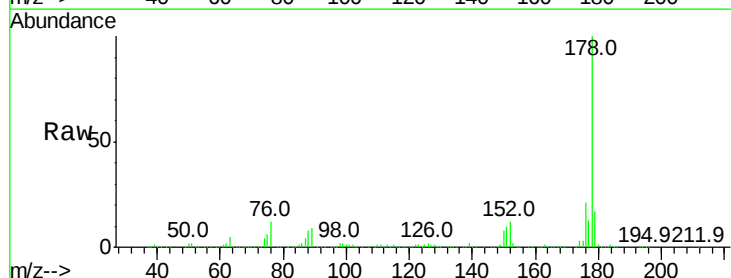
Tgt Ion:178 Resp: 863179

Ion Ratio Lower Upper

178 100

176 21.1 16.2 24.4

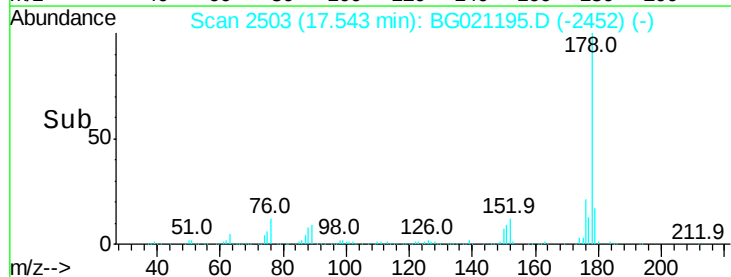
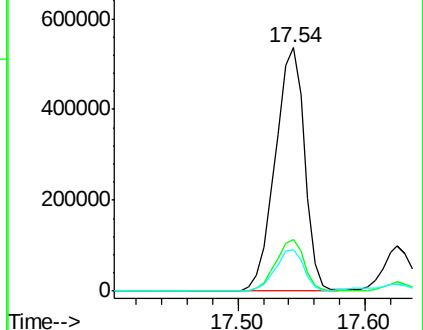
179 16.9 12.9 19.3

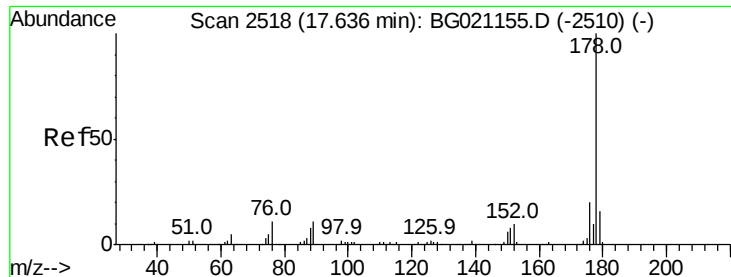


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

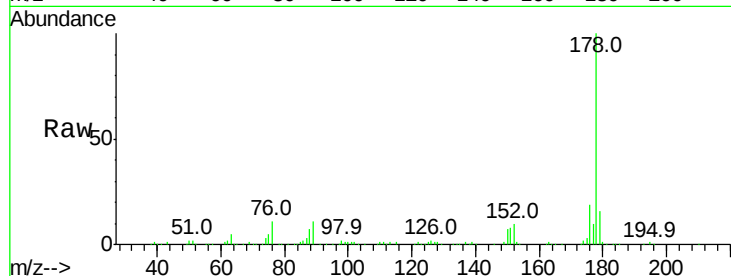




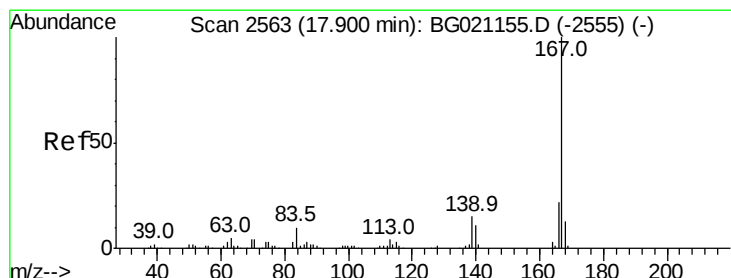
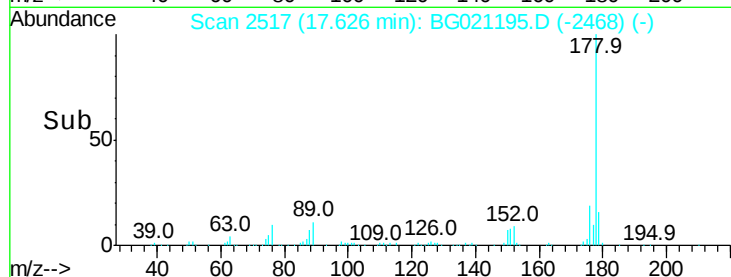
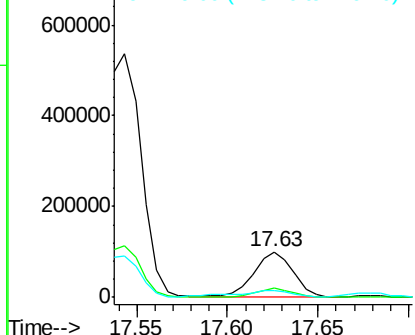
#71
 Anthracene
 Concen: 36.38 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

Instrument :
 BNA_G
 ClientSampleId :
 CEB-2(2.5-5)20160223

Tot Ion:178 Resp: 145721
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.8 22.2
 179 15.9 12.6 19.0

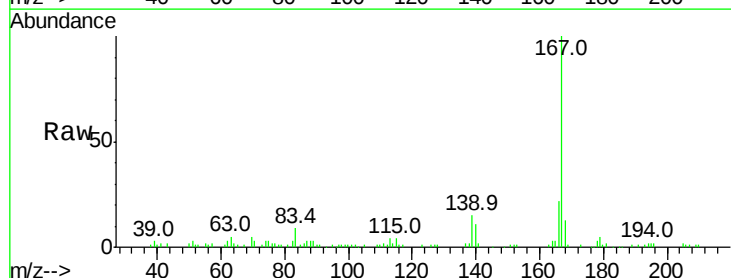


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

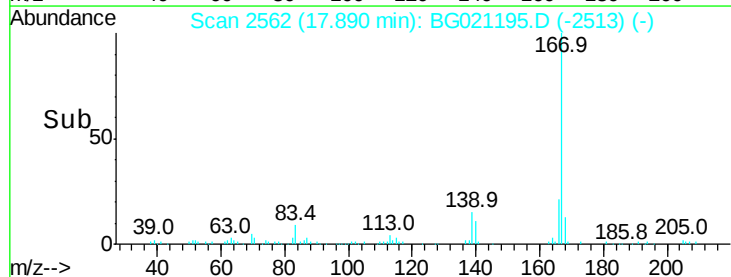
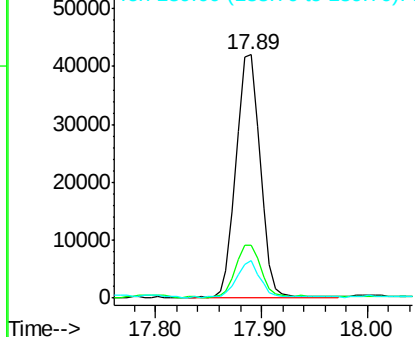


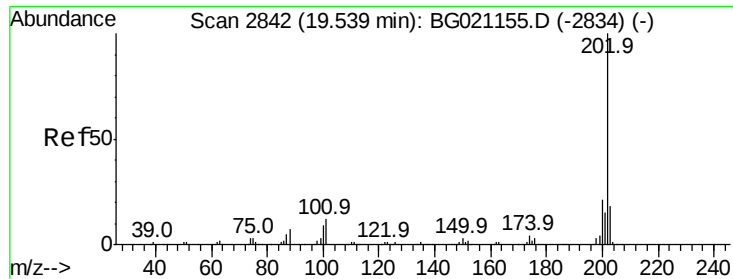
#72
 Carbazole
 Concen: 18.90 ng
 RT: 17.89 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

Tgt Ion:167 Resp: 67123
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 15.2 10.3 15.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 198.68 ng

RT: 19.54 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

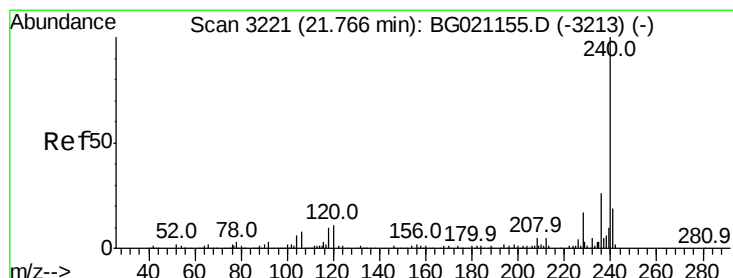
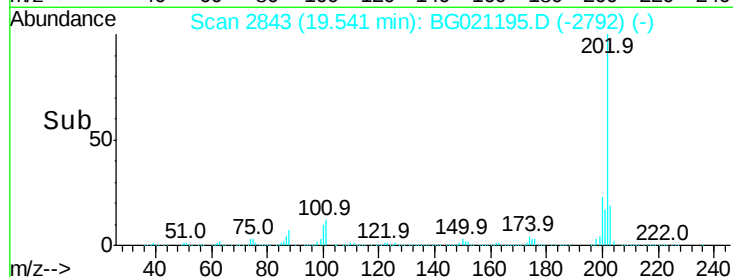
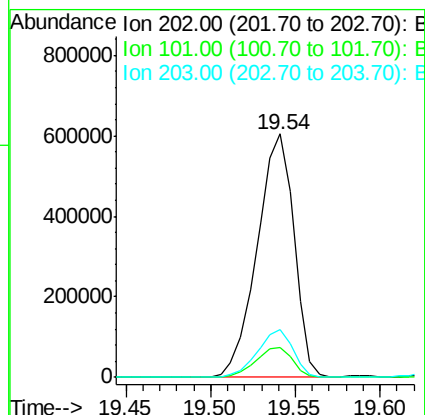
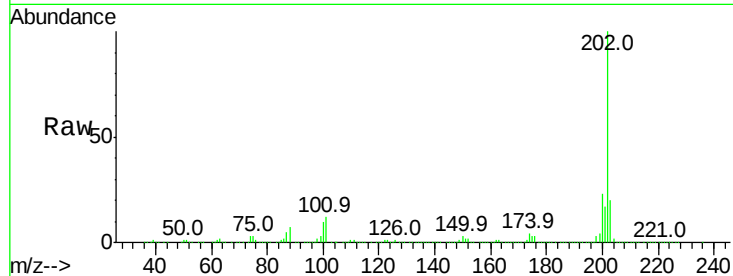
Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

Tot Ion:	202	Resp:	913712
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.5
203	19.5	0.0	37.6



#75

Chrysene-d12

Concen: 20.00 ng

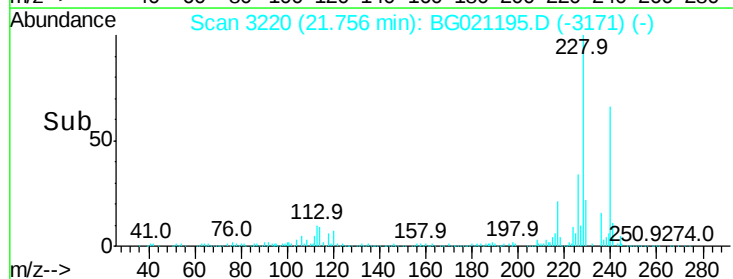
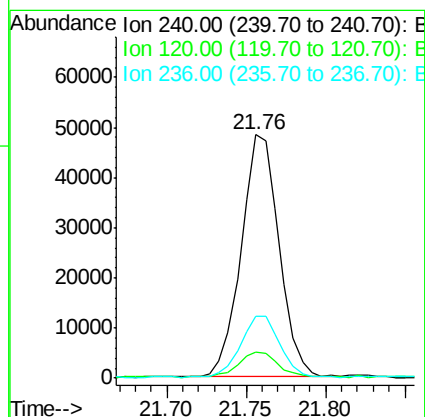
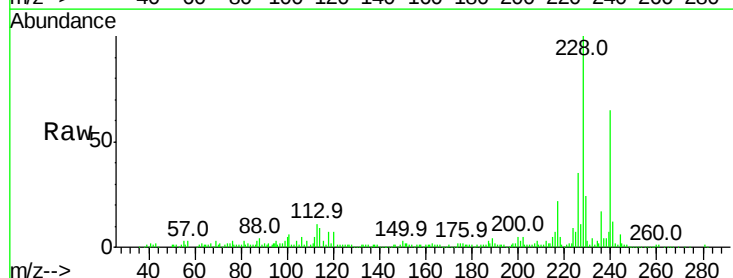
RT: 21.76 min Scan# 3220

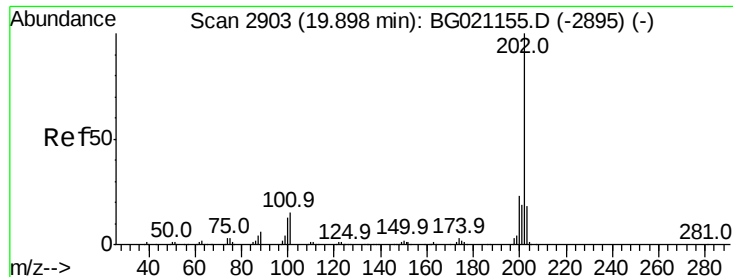
Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Tgt Ion:	240	Resp:	79871
Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	25.6	20.5	30.7





#77

Pvrene

Concen: 189.72 ng

RT: 19.90 min Scan# 2904

Delta R.T. 0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

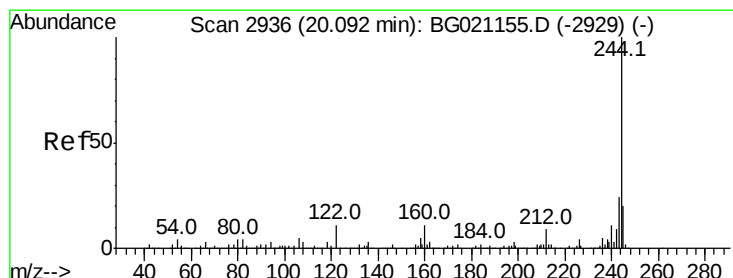
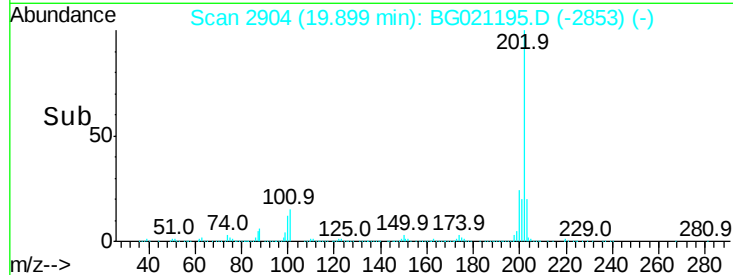
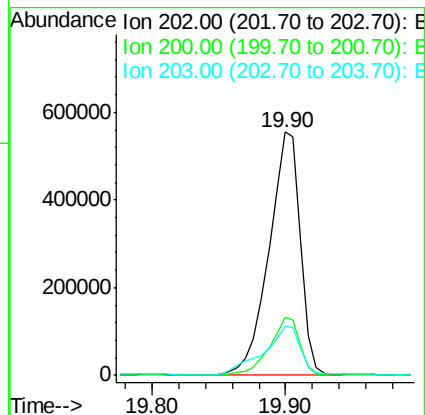
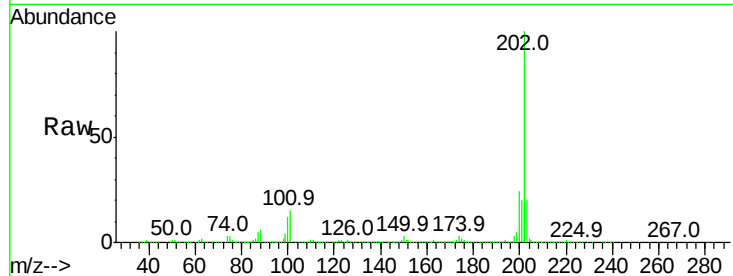
Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

Tot Ion:	202	Resp:	903993
Ion	Ratio	Lower	Upper
202	100		
200	23.6	16.6	25.0
203	20.3	13.8	20.8



#78

Terphenyl-d14

Concen: 95.39 ng

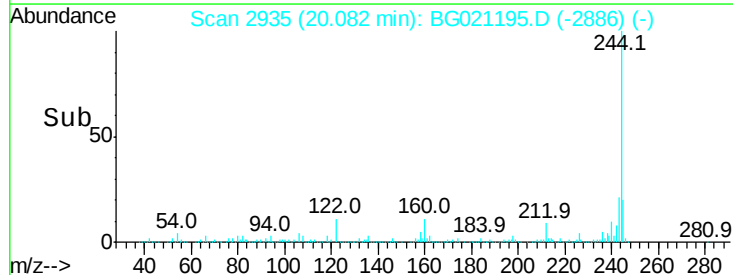
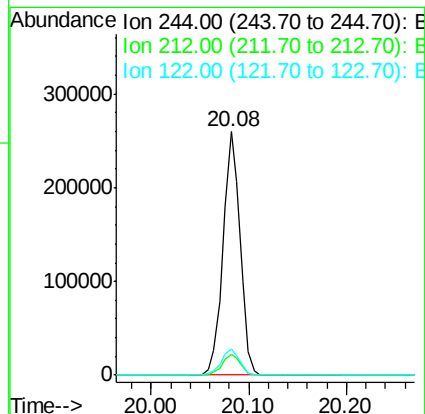
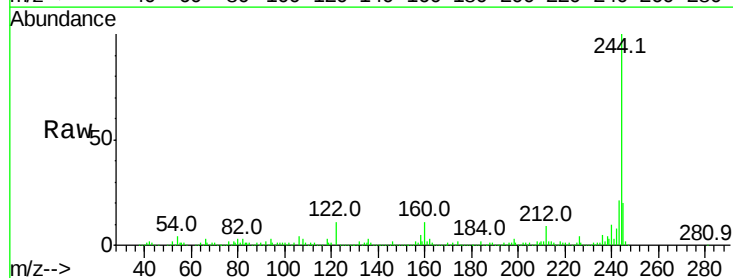
RT: 20.08 min Scan# 2935

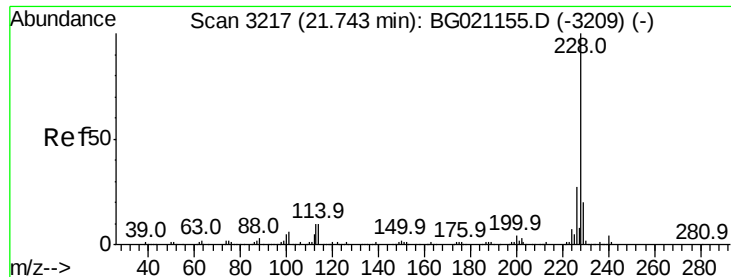
Delta R.T. -0.01 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Tgt Ion:	244	Resp:	314499
Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.6#
122	10.7	8.3	12.5





#80

Benzo(a)anthracene

Concen: 87.40 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

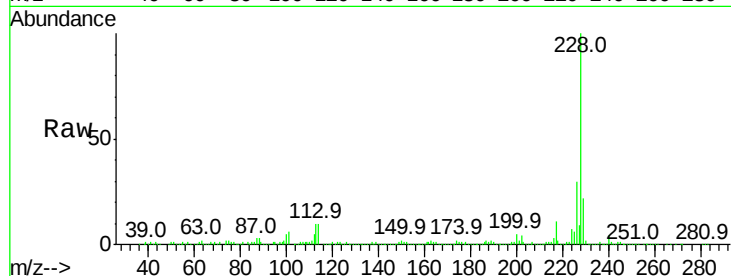
Tot Ion:228 Resp: 413270

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

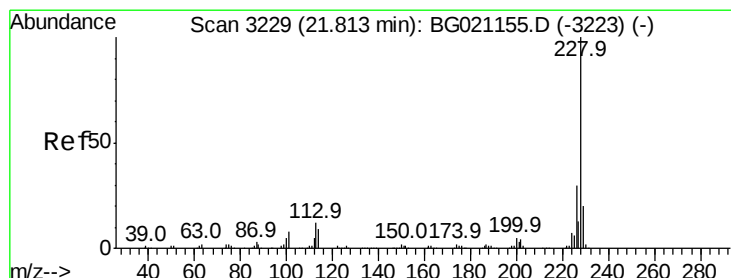
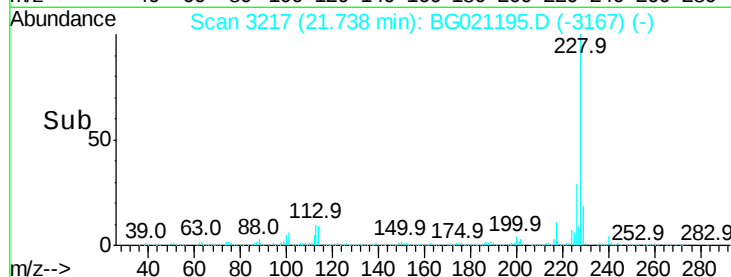
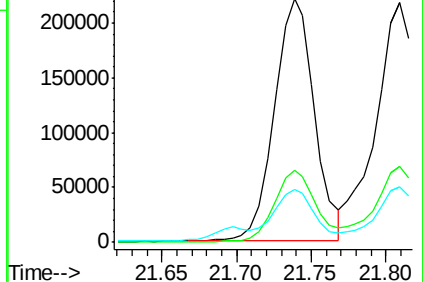
229 21.6 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 90.85 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

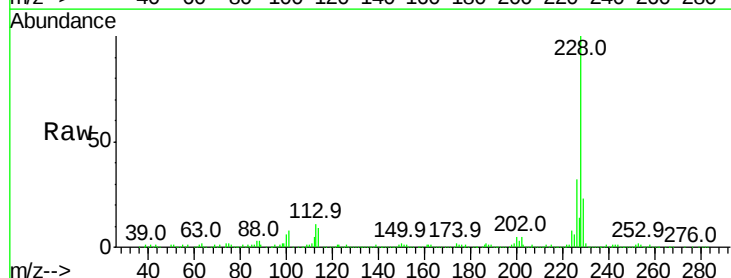
Tgt Ion:228 Resp: 407108

Ion Ratio Lower Upper

228 100

226 31.6 23.7 35.5

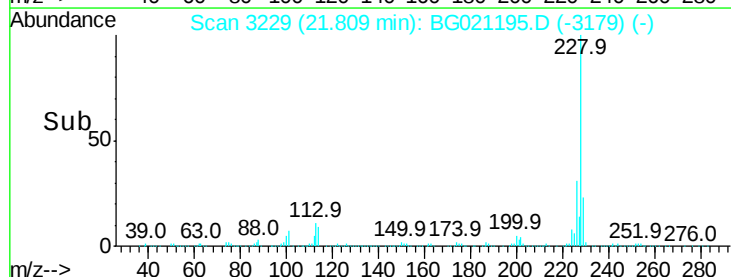
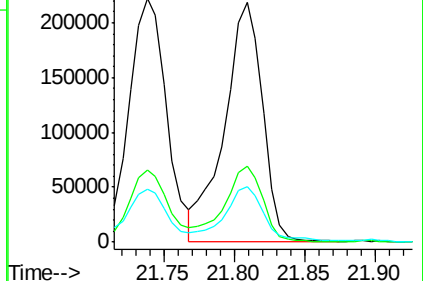
229 23.3 16.7 25.1

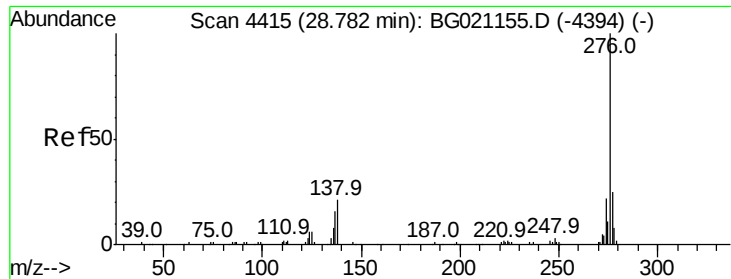


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

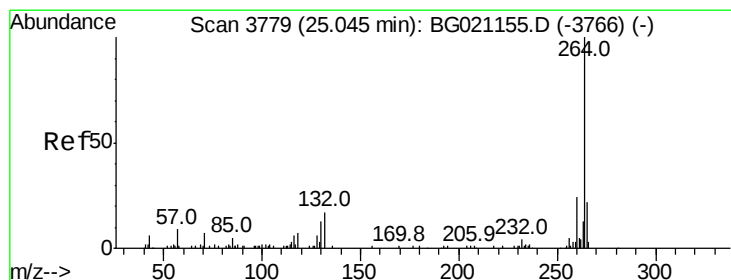
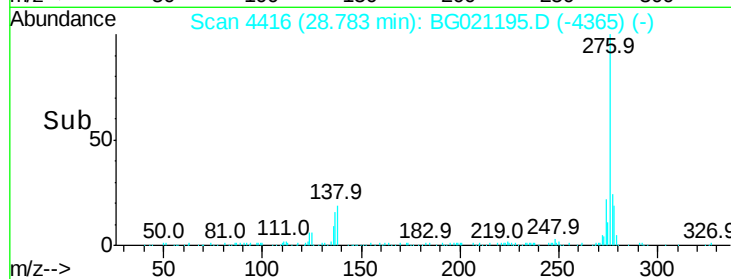
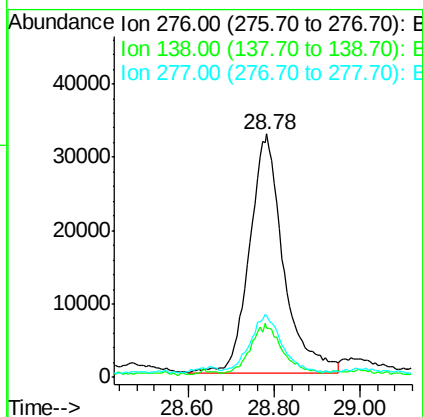
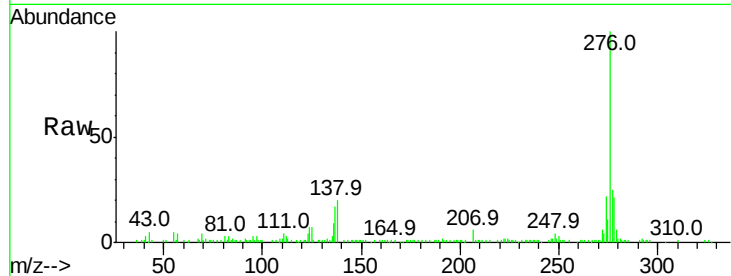




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.42 ng
 RT: 28.78 min Scan# 4416
 Delta R.T. 0.00 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

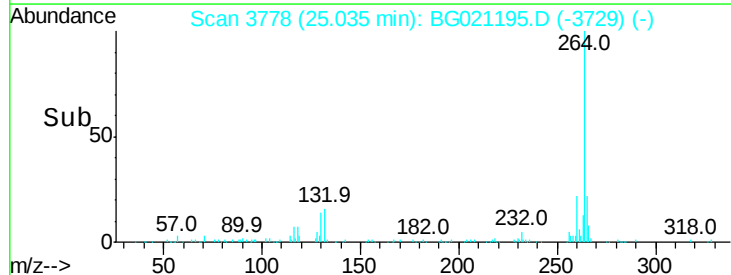
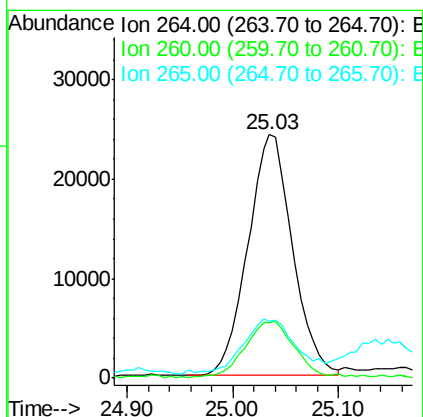
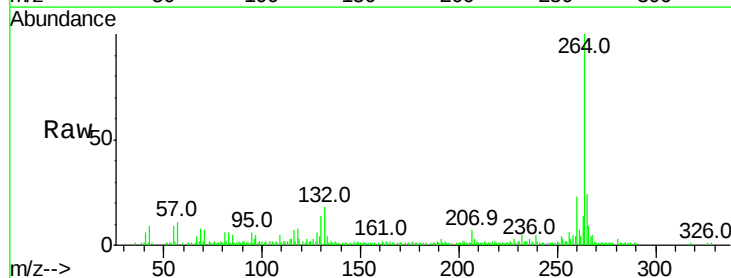
Instrument :
 BNA_G
 ClientSampleId :
 CEB-2(2.5-5)20160223

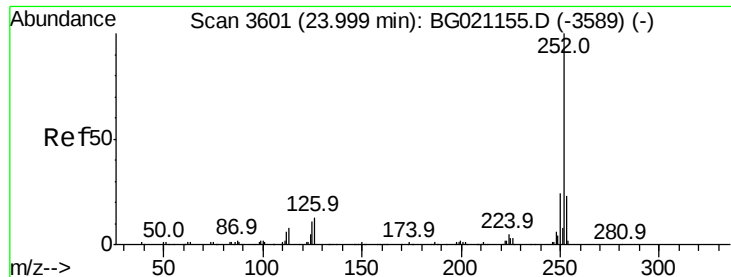
Tot Ion:276 Resp: 182026
 Ion Ratio Lower Upper
 276 100
 138 19.4 0.0 0.0#
 277 22.2 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3778
 Delta R.T. -0.01 min
 Lab File: BG021195.D
 Acq: 1 Mar 2016 22:24

Tgt Ion:264 Resp: 71095
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.5 27.7
 265 23.5 18.6 28.0





#87

Benzo(b)fluoranthene

Concen: 98.29 ng

RT: 24.00 min Scan# 3602

Delta R.T. 0.00 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

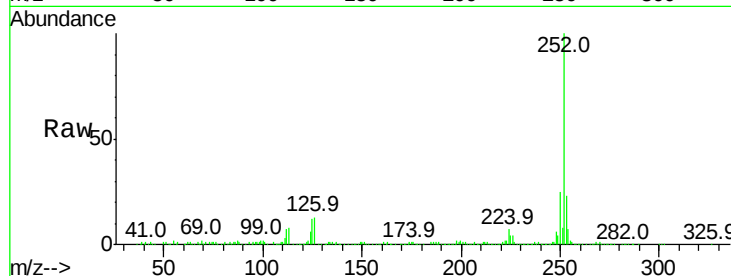
Tot Ion:252 Resp: 439519

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

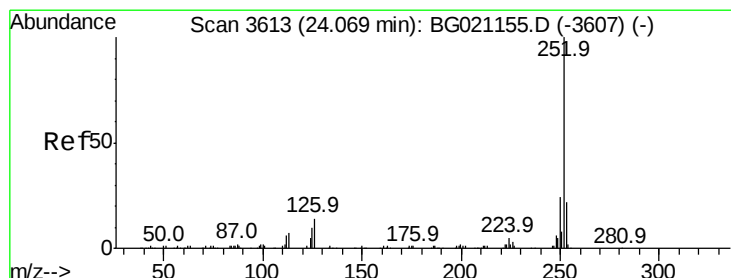
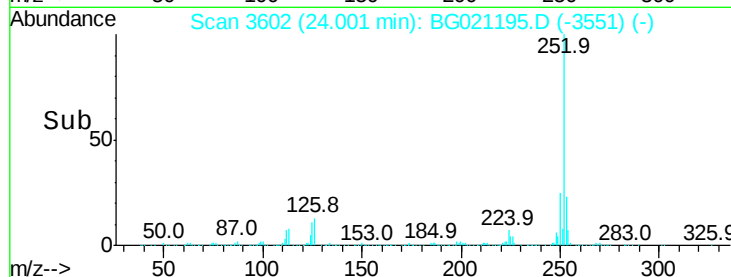
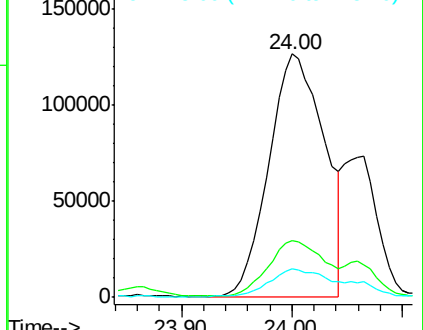
125 11.6 8.2 12.2



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



#88

Benzo(k)fluoranthene

Concen: 98.14 ng

RT: 24.00 min Scan# 3602

Delta R.T. -0.07 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

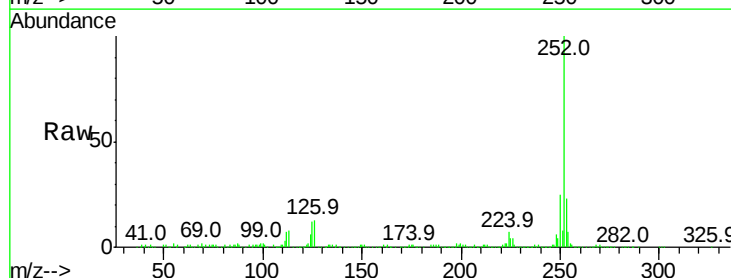
Tgt Ion:252 Resp: 439519

Ion Ratio Lower Upper

252 100

253 23.4 16.4 24.6

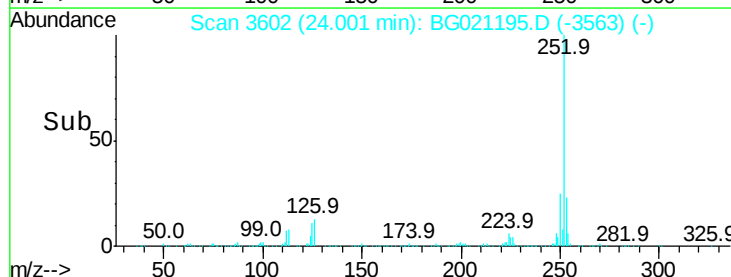
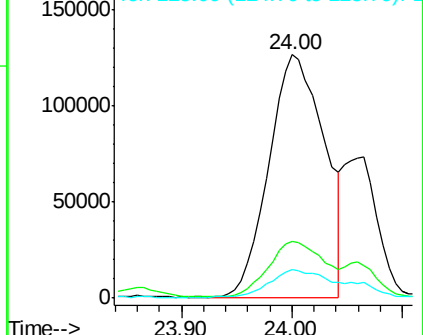
125 11.6 8.2 12.2

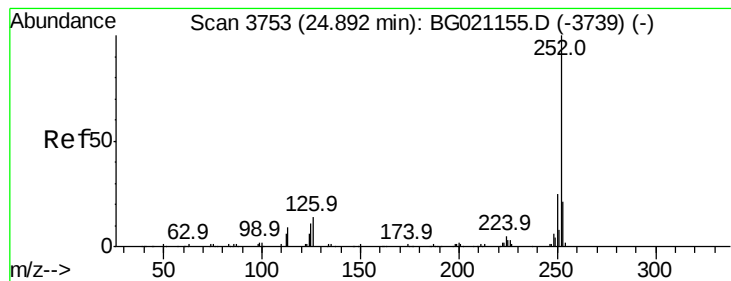


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

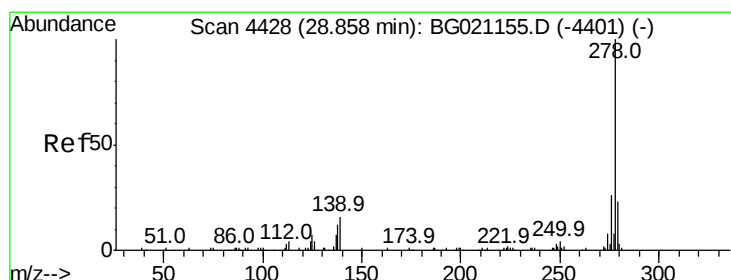
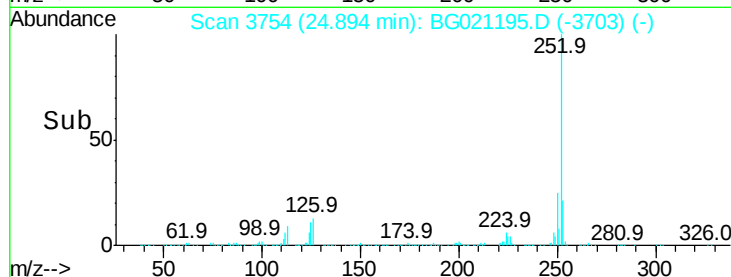
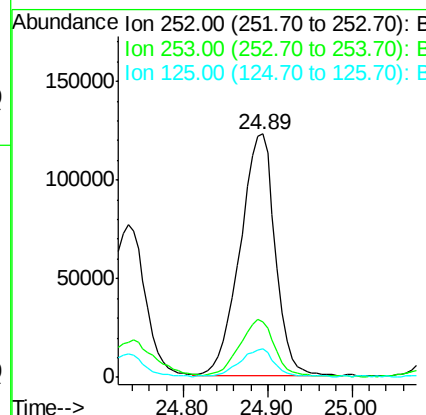
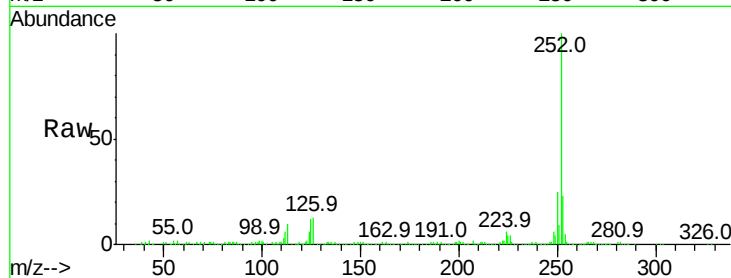




#89
Benzo(a)pyrene
Concen: 81.63 ng
RT: 24.89 min Scan# 3754
Delta R.T. 0.00 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

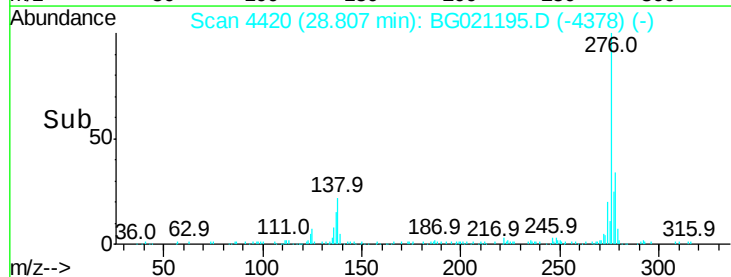
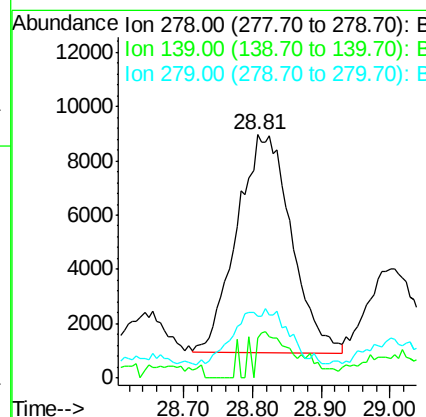
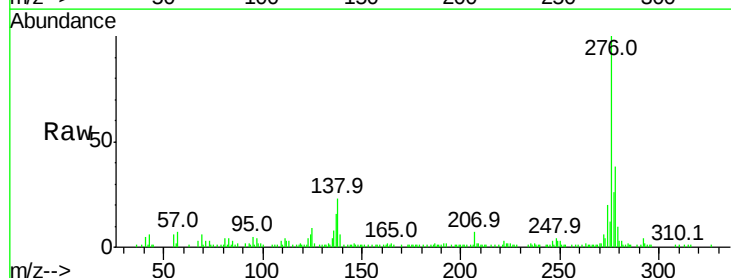
Instrument :
BNA_G
ClientSampleId :
CEB-2(2.5-5)20160223

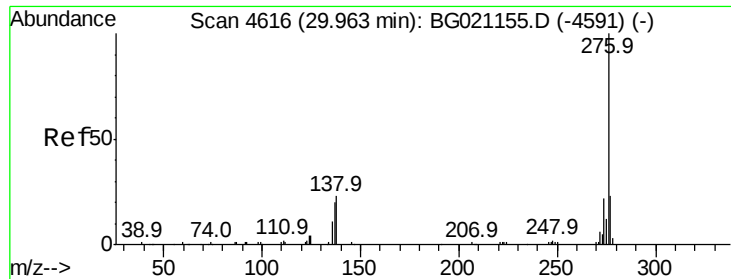
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	15.8	23.8
125	11.6	8.4	12.6



#90
Dibenzo(a,h)anthracene
Concen: 10.38 ng
RT: 28.81 min Scan# 4420
Delta R.T. -0.05 min
Lab File: BG021195.D
Acq: 1 Mar 2016 22:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	10.6	15.8#
279	25.6	19.7	29.5





#91

Benzo(a,h,i)perylene

Concen: 40.13 ng

RT: 29.95 min Scan# 4614

Delta R.T. -0.02 min

Lab File: BG021195.D

Acq: 1 Mar 2016 22:24

Instrument :

BNA_G

ClientSampleId :

CEB-2(2.5-5)20160223

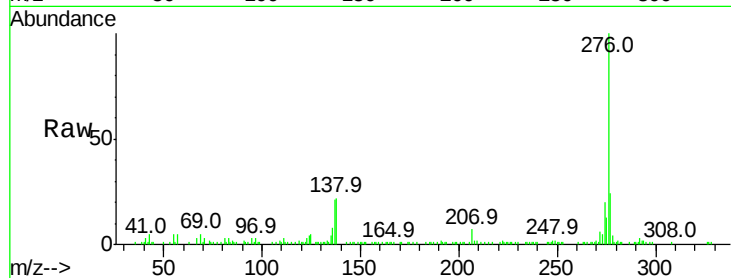
Tot Ion:276 Resp: 165820

Ion Ratio Lower Upper

276 100

277 23.5 16.6 25.0

138 22.3 14.6 21.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

