

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018232.D
 Acq On : 2 Aug 2015 18:45
 Operator : TP
 Sample : G3065-09RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02A2RE

Quant Time: Aug 03 06:03:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	67473	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	263806	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.17	164	120941	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.93	188	219992	20.00	ng/ul	0.02
78) Chrysene-d12	21.15	240	366084	20.00	ng/ul	0.04
86) Perylene-d12	23.37	264	335115	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	1001	1.12	ng/uL	0.00
5) Phenol-d5	6.69	99	49991	8.24	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	30773	9.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	44290	9.67	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	39449	7.98	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	23530	11.32	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	21156	8.87	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	44318	10.51	ng/ul	0.03
29) 4-Chloroaniline-d4	10.38	131	46873	8.92	ng/ul	-0.02
44) Dimethylphthalate-d6	13.58	166	106929	11.44	ng/ul	0.01
47) Acenaphthylene-d8	13.86	160	119472	11.02	ng/ul	0.02
52) 4-Nitrophenol-d4	14.41	143	9226	5.33	ng/ul	0.02
58) Fluorene-d10	15.17	176	81291	9.61	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.33	200	2504	1.63	ng/ul	0.04
71) Anthracene-d10	17.03	188	113069	11.82	ng/ul	0.03
79) Pyrene-d10	19.35	212	142784	8.06	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.37	264	306012	18.06	ng/ul	0.22

Target Compounds

						Qvalue
4) Benzaldehyde	6.63	77	8795	2.68	ng/ul#	1
8) Bis(2-Chloroethyl)ether	6.91	93	9196	2.06	ng/ul#	36
11) 2-Methylphenol	7.95	108	13159	2.71	ng/ul	100
14) Acetophenone	8.28	105	66945	8.71	ng/ul	91
16) 4-Methylphenol	8.29	108	85941	15.97	ng/ul	84
24) 2,4-Dimethylphenol	9.48	107	174816	33.36	ng/ul#	84
28) Naphthalene	10.32	128	234261	18.44	ng/ul	98
32) Caprolactam	11.20	113	4977	2.49	ng/ul#	1
34) 2-Methylnaphthalene	11.95	142	162247	16.14	ng/ul	95
35) 1-Methylnaphthalene	12.18	142	104472	10.83	ng/ul#	99
41) 1,1'-Biphenyl	12.99	154	34654	4.01	ng/ul	98
45) Dimethylphthalate	13.63	163	205895	22.14	ng/ul	98
48) Acenaphthylene	13.89	152	11821	1.10	ng/ul#	28
50) Acenaphthene	14.23	153	96745	13.80	ng/ul	99
54) Dibenzofuran	14.57	168	85860	8.13	ng/ul#	72
57) Diethylphthalate	15.00	149	20480	2.13	ng/ul#	94
59) Fluorene	15.23	166	117599	12.91	ng/ul	97
65) N-Nitrosodiphenylamine	15.44	169	44403	7.79	ng/ul#	52
70) Phenanthrene	16.98	178	844425	75.56	ng/ul	97
72) Anthracene	17.06	178	206521	18.58	ng/ul	95
75) Carbazole	17.34	167	80066	8.67	ng/ul#	81
76) Di-n-butylphthalate	17.91	149	60476	4.92	ng/ul#	88
77) Fluoranthene	19.01	202	1223732	99.70	ng/ul#	92

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 Quant Title : SVOA CALIBRATION
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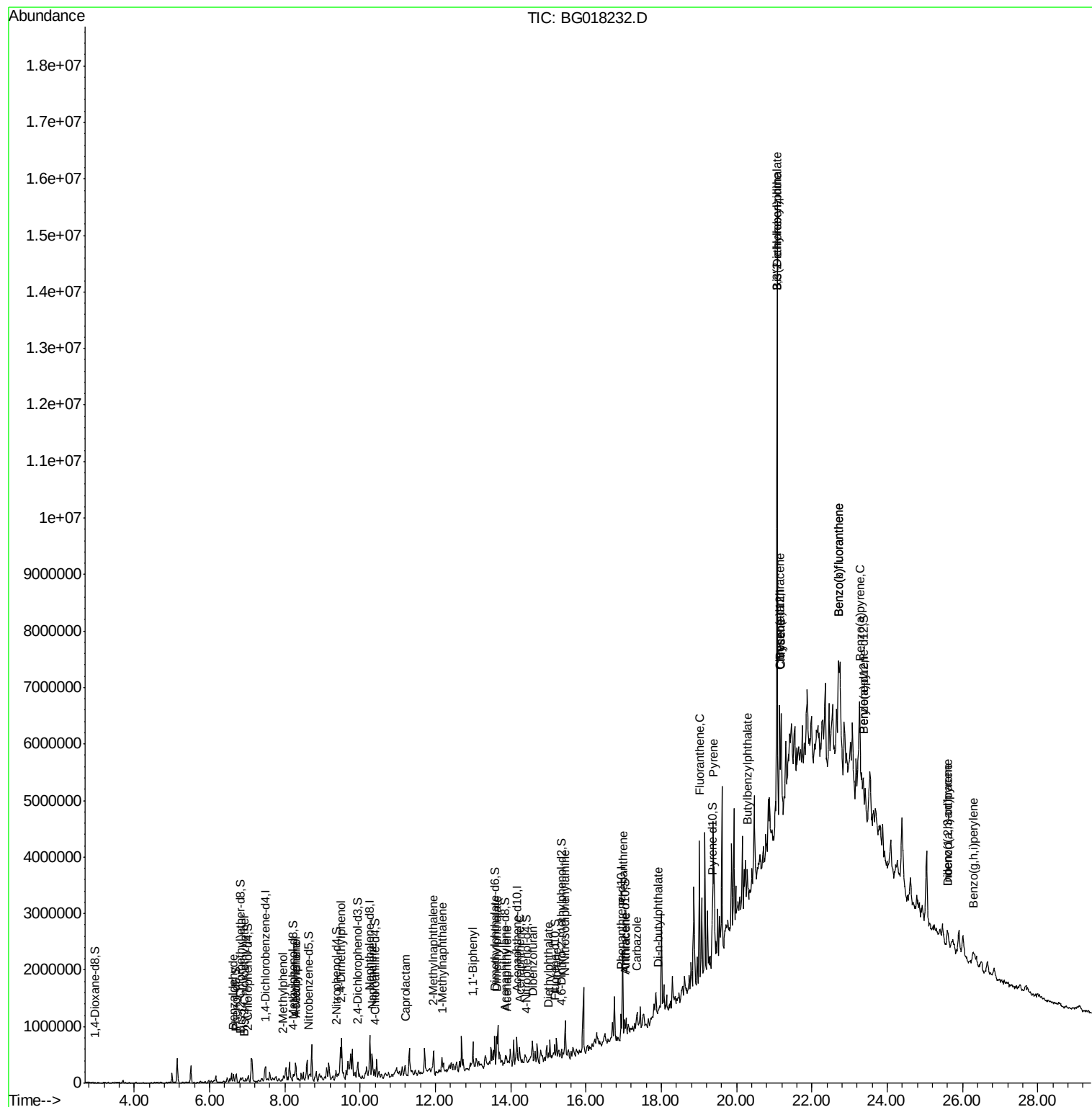
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.38	202	1236210	55.67	ng/ul#	93
81) Butylbenzylphthalate	20.29	149	112933	12.52	ng/ul#	78
82) 3,3'-Dichlorobenzidine	21.08	252	11020	1.43	ng/ul#	18
83) Benzo(a)anthracene	21.14	228	679910	34.49	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.08	149	2426252	199.38	ng/ul#	50
85) Chrysene	21.19	228	730488	40.45	ng/ul#	91
88) Benzo(b)fluoranthene	22.70	252	1438910	71.47	ng/ul#	87
89) Benzo(k)fluoranthene	22.70	252	1438910	77.77	ng/ul#	87
91) Benzo(a)pyrene	23.27	252	658120	36.54	ng/ul#	84
92) Indeno(1,2,3-cd)pyrene	25.60	276	246720	11.84	ng/ul#	91
93) Dibenzo(a,h)anthracene	25.61	278	60577	3.40	ng/ul#	60
94) Benzo(g,h,i)perylene	26.29	276	216580	12.73	ng/ul#	88

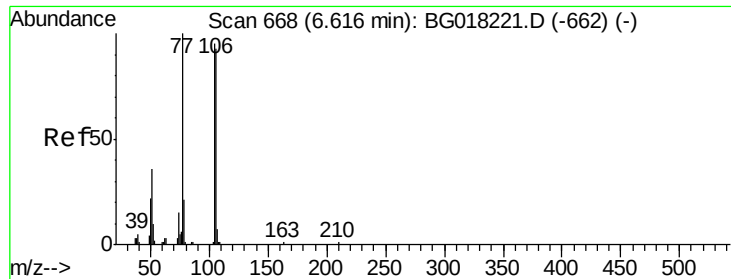
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampled :
C02A2RE

Quant Time: Aug 03 06:03:21 2015
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.68 ng/ul

RT: 6.63 min Scan# 671

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

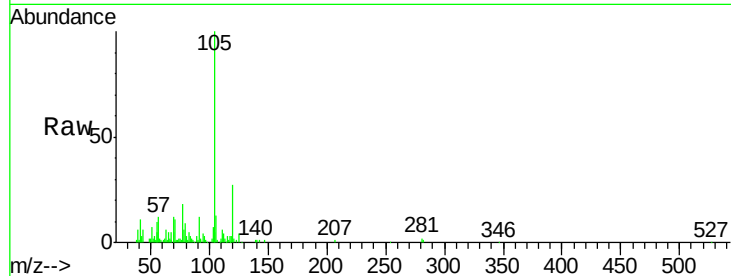
Tgt Ion: 77 Resp: 8795

Ion Ratio Lower Upper

77 100

105 551.5 89.8 134.6#

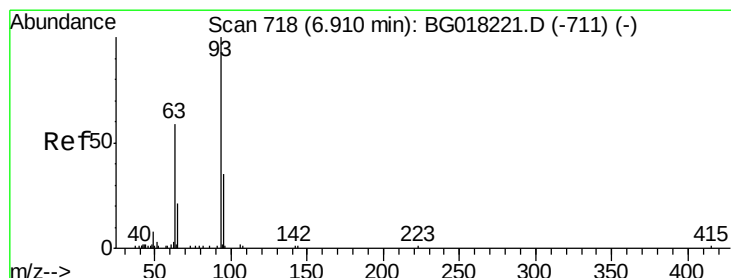
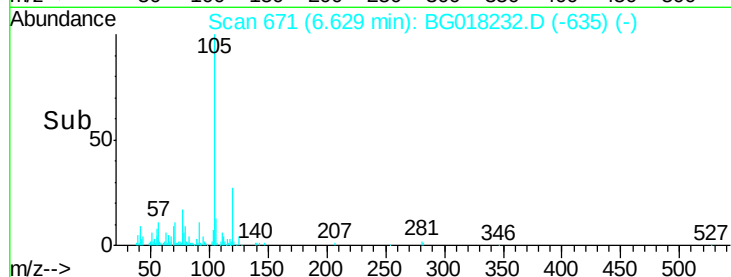
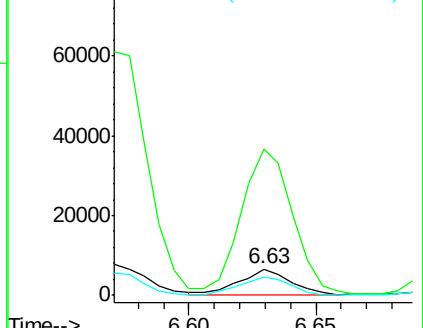
106 70.6 94.2 141.4#



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



#8

Bis(2-Chloroethyl)ether

Concen: 2.06 ng/ul

RT: 6.91 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

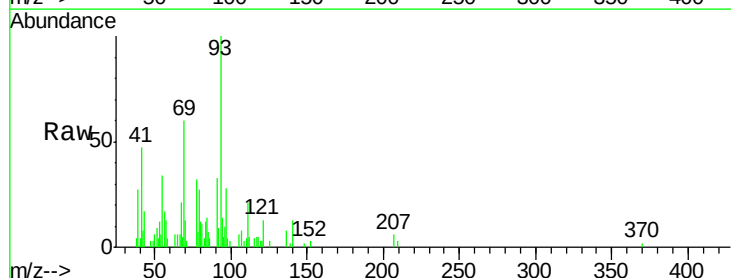
Tgt Ion: 93 Resp: 9196

Ion Ratio Lower Upper

93 100

63 5.9 47.9 71.9#

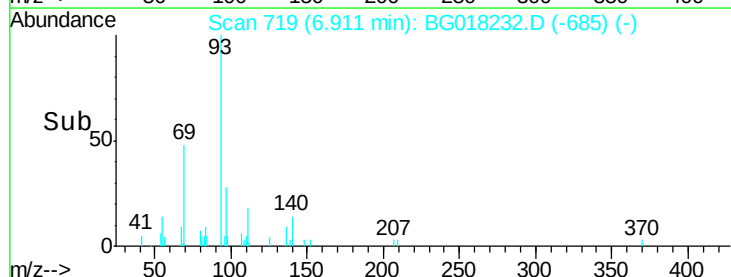
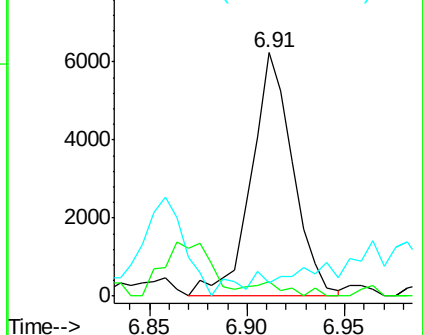
95 5.4 27.4 41.2#

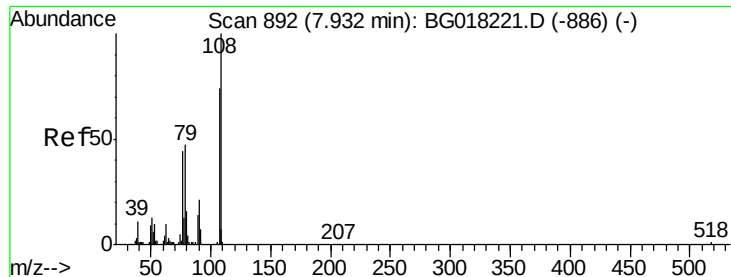


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

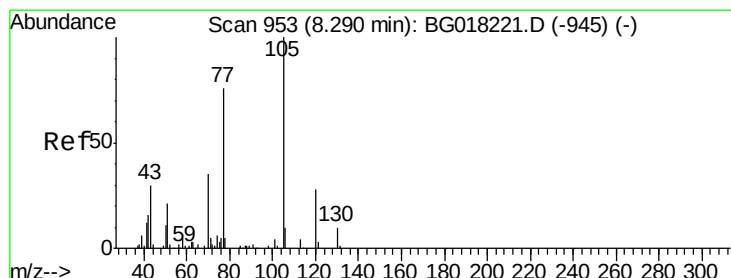
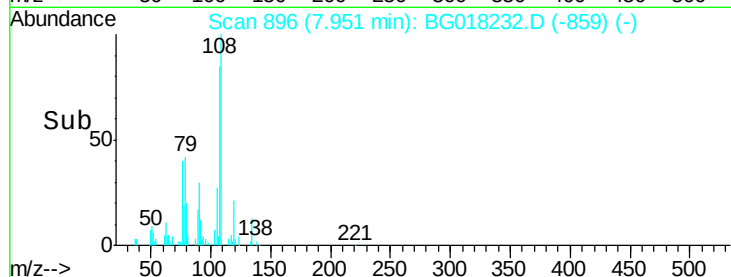
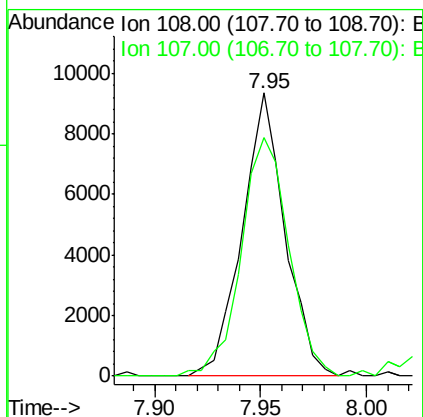
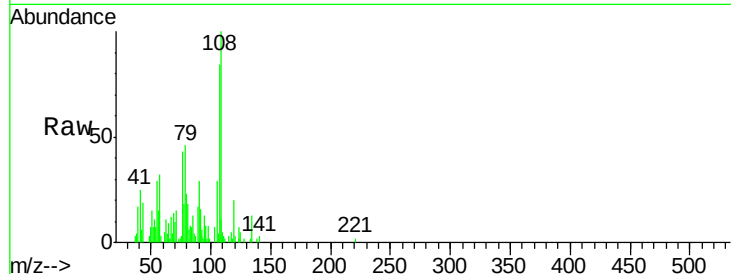




#11
2-Methylphenol
Concen: 2.71 ng/ul
RT: 7.95 min Scan# 896
Delta R.T. 0.02 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

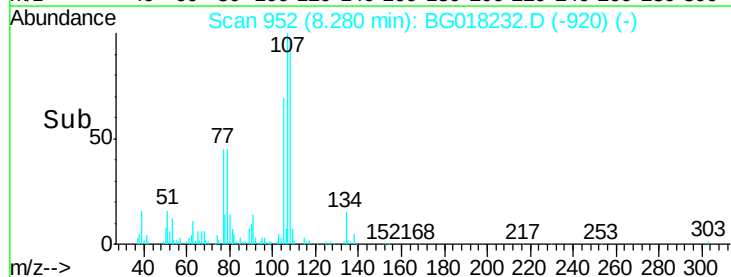
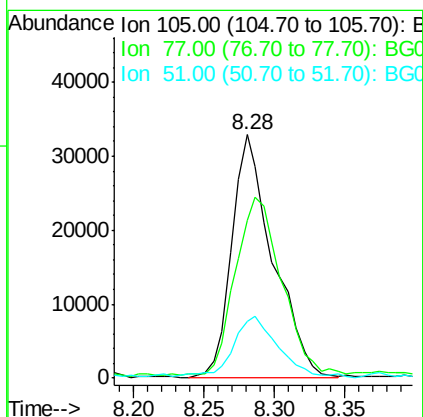
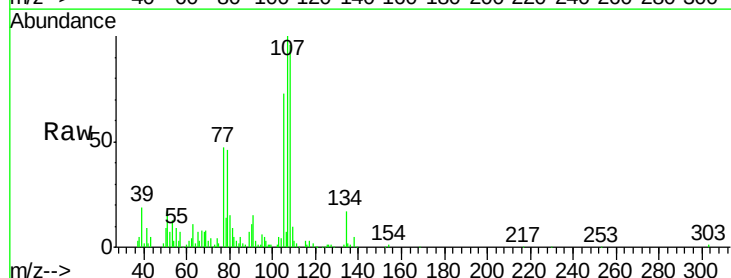
Instrument :
BNA_G
ClientSampleId :
C02A2RE

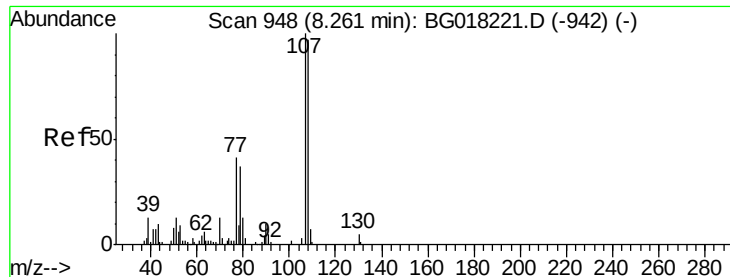
Tgt Ion:108 Resp: 13159
Ion Ratio Lower Upper
108 100
107 84.4 67.8 101.6



#14
Acetophenone
Concen: 8.71 ng/ul
RT: 8.28 min Scan# 952
Delta R.T. -0.01 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

Tgt Ion:105 Resp: 66945
Ion Ratio Lower Upper
105 100
77 64.7 58.4 87.6
51 23.6 16.5 24.7

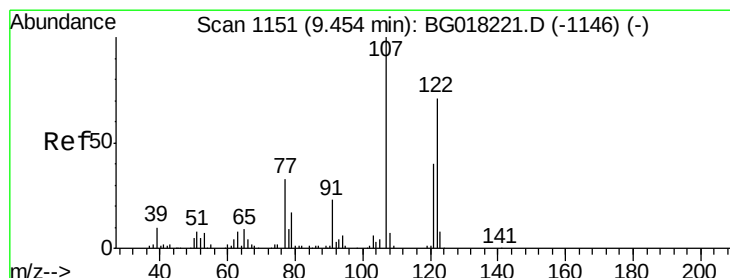
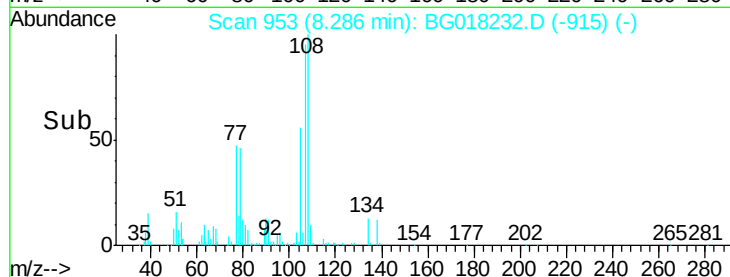
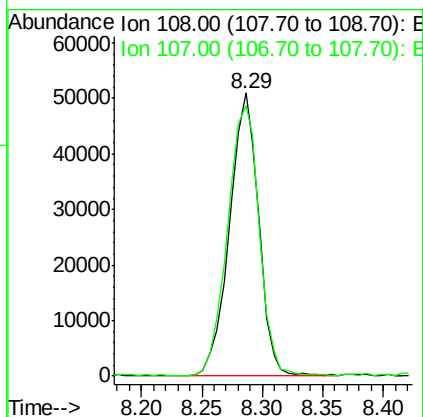
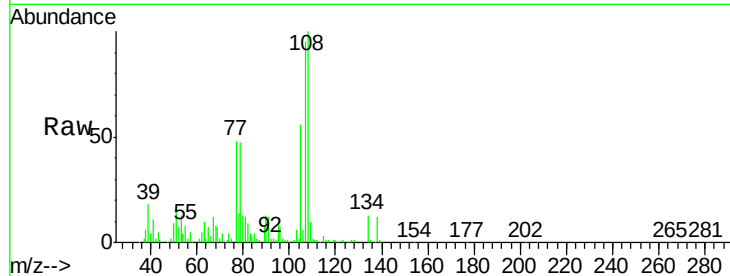




#16
 4-Methylphenol
 Concen: 15.97 ng/ul
 RT: 8.29 min Scan# 953
 Delta R.T. 0.03 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

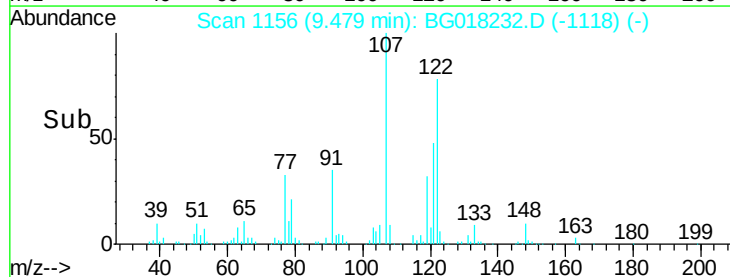
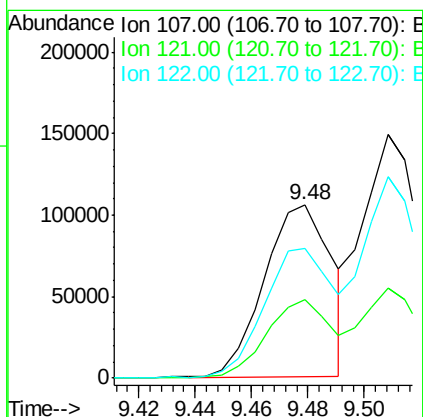
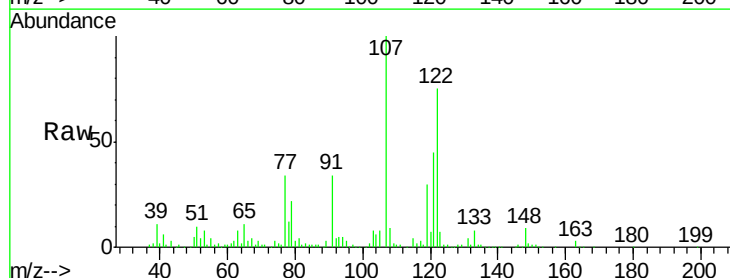
Instrument :
 BNA_G
 ClientSampleId :
 C02A2RE

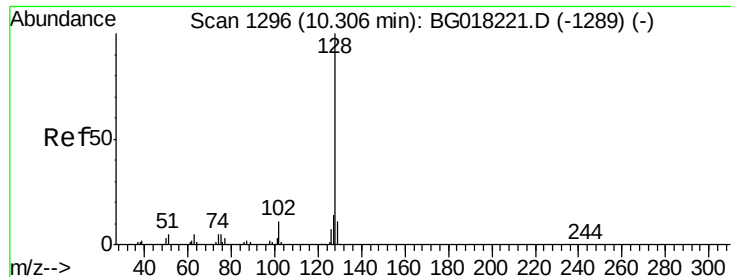
Tgt Ion:108 Resp: 85941
 Ion Ratio Lower Upper
 108 100
 107 95.4 90.4 135.6



#24
 2,4-Dimethylphenol
 Concen: 33.36 ng/ul
 RT: 9.48 min Scan# 1156
 Delta R.T. 0.03 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

Tgt Ion:107 Resp: 174816
 Ion Ratio Lower Upper
 107 100
 121 45.2 41.4 62.2
 122 74.5 75.3 112.9#





#28

Naphthalene

Concen: 18.44 ng/ul

RT: 10.32 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

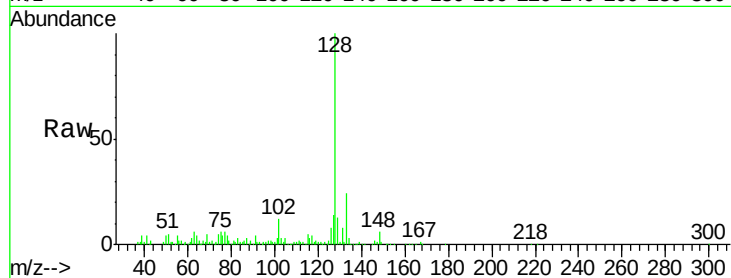
Tgt Ion:128 Resp: 234261

Ion Ratio Lower Upper

128 100

129 12.8 9.1 13.7

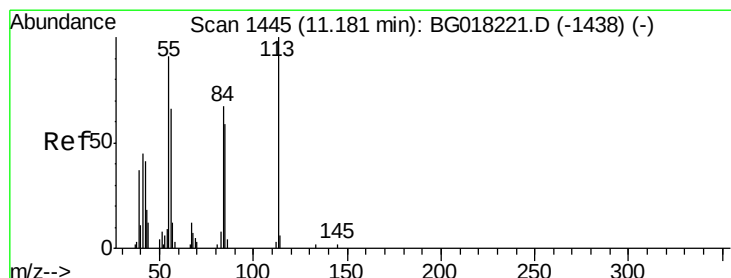
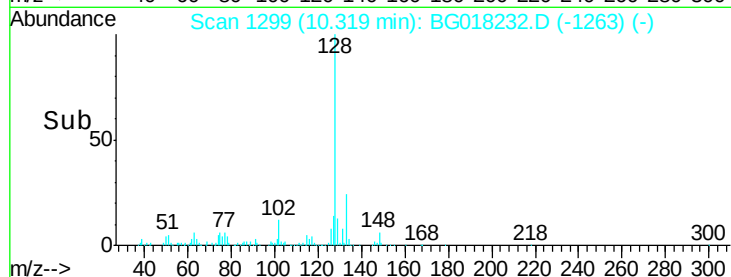
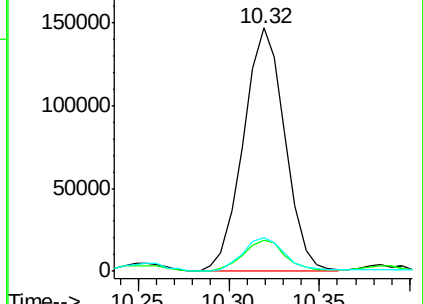
127 13.9 11.2 16.8



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



#32

Caprolactam

Concen: 2.49 ng/ul

RT: 11.20 min Scan# 1449

Delta R.T. 0.02 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

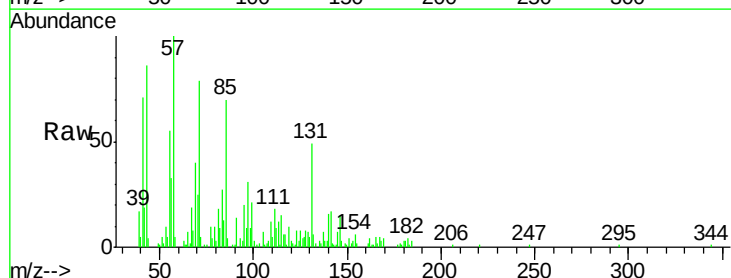
Tgt Ion:113 Resp: 4977

Ion Ratio Lower Upper

113 100

55 458.7 64.6 96.8#

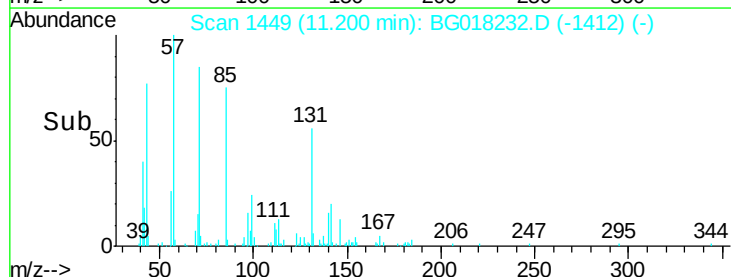
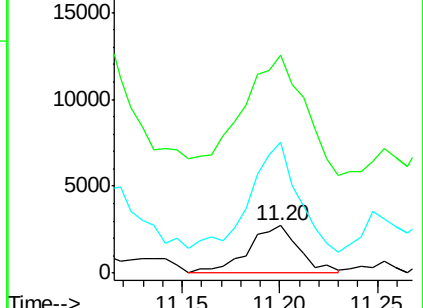
56 274.7 53.2 79.8#

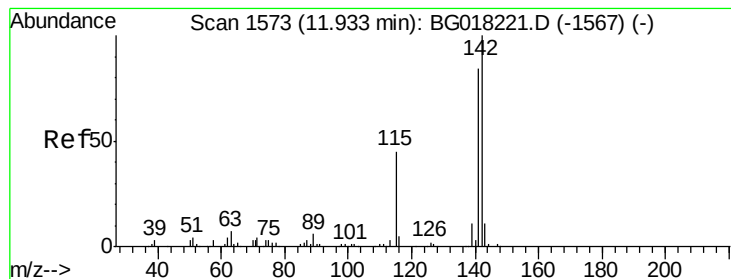


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0





#34

2-Methylnaphthalene

Concen: 16.14 ng/ul

RT: 11.95 min Scan# 1577

Delta R.T. 0.02 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

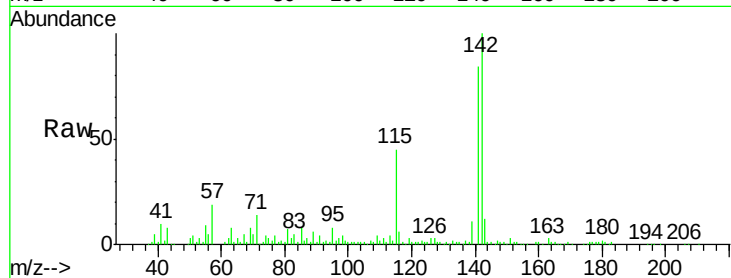
C02A2RE

Tgt Ion:142 Resp: 162247

Ion Ratio Lower Upper

142 100

141 83.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.95

100000

80000

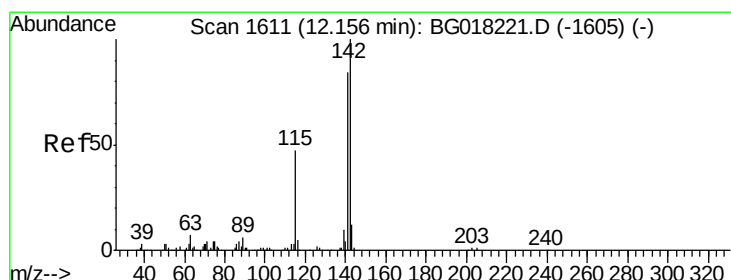
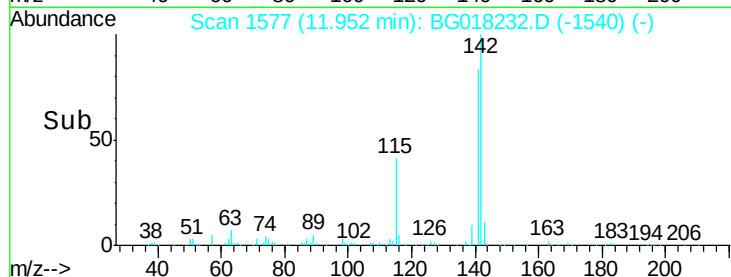
60000

40000

20000

0

Time-->



#35

1-Methylnaphthalene

Concen: 10.83 ng/ul

RT: 12.18 min Scan# 1615

Delta R.T. 0.02 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

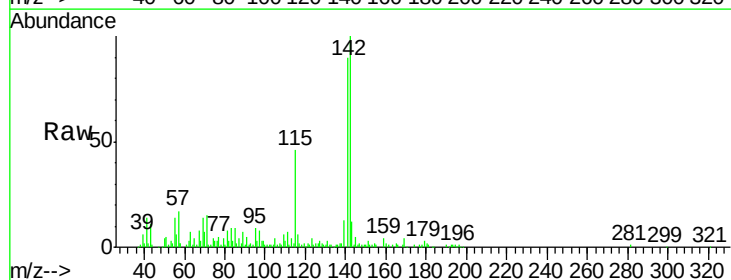
Tgt Ion:142 Resp: 104472

Ion Ratio Lower Upper

142 100

141 89.6 72.5 108.7

116 5.6 2.6 4.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.18

80000

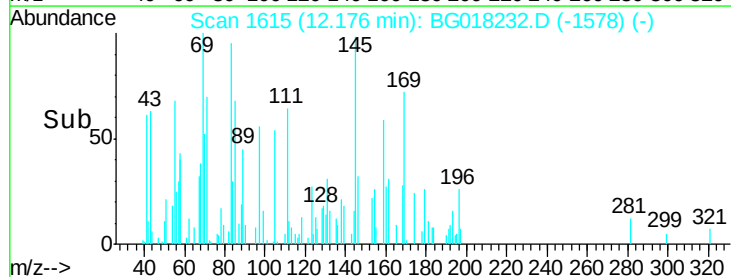
60000

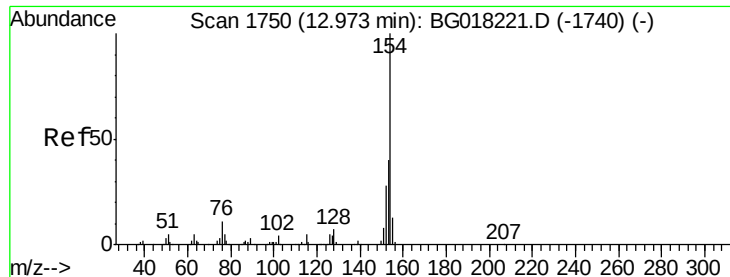
40000

20000

0

Time-->





#41

1,1'-Biphenyl

Concen: 4.01 ng/ul

RT: 12.99 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

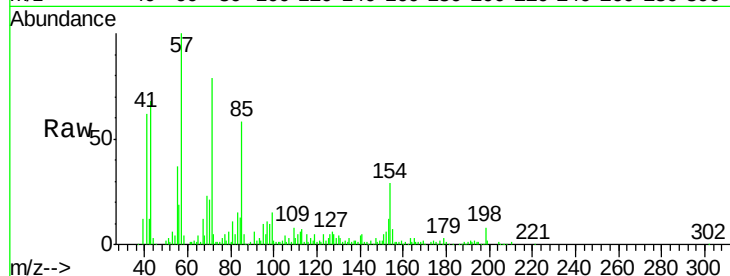
Tgt Ion:154 Resp: 34654

Ion Ratio Lower Upper

154 100

153 41.7 32.3 48.5

76 9.0 7.4 11.0

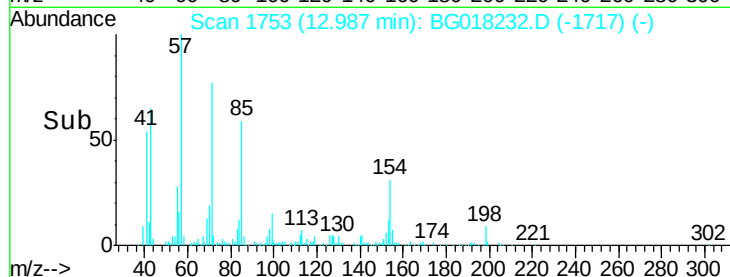


Abundance Ion 154.00 (153.70 to 154.70): E

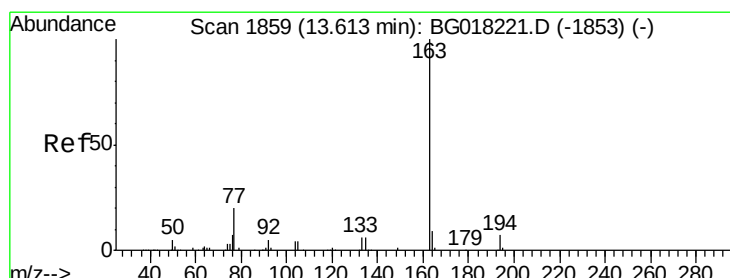
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B

Time-->



Time-->



#45

Dimethylphthalate

Concen: 22.14 ng/ul

RT: 13.63 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

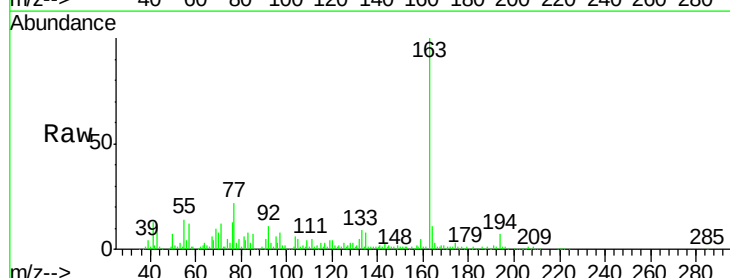
Tgt Ion:163 Resp: 205895

Ion Ratio Lower Upper

163 100

194 7.2 5.2 7.8

164 11.1 8.4 12.6

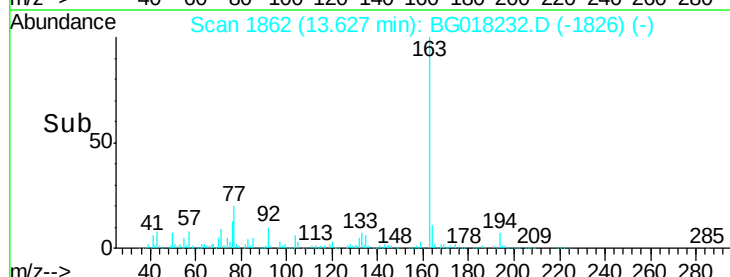


Abundance Ion 163.00 (162.70 to 163.70): E

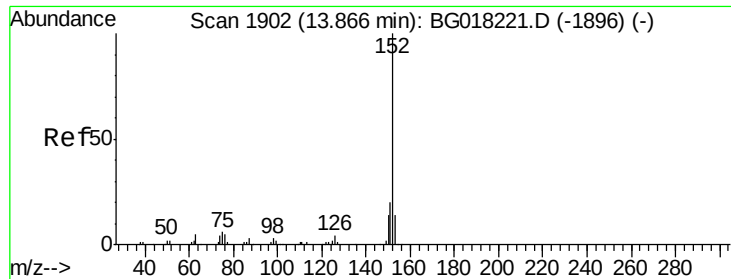
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#48

Acenaphthylene

Concen: 1.10 ng/ul

RT: 13.89 min Scan# 1907

Delta R.T. 0.03 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

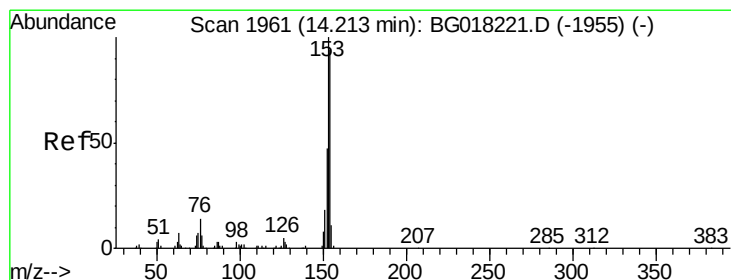
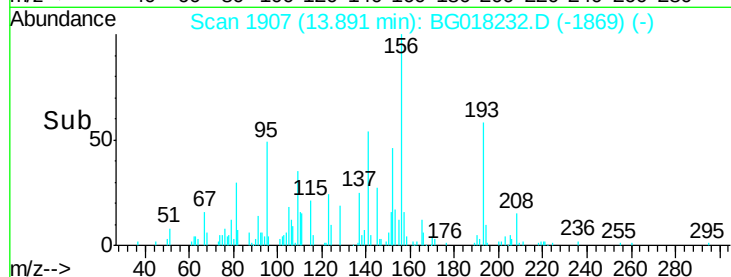
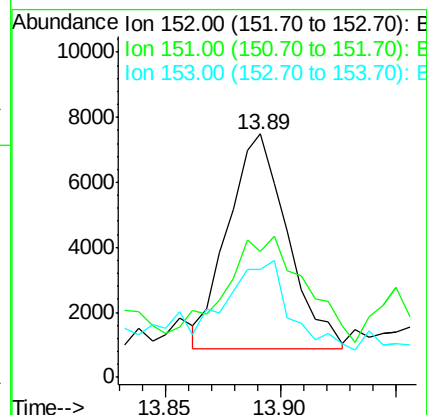
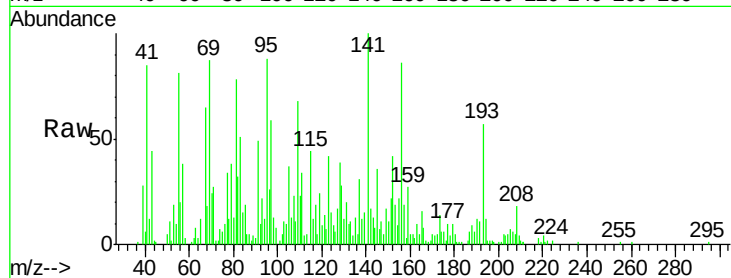
Tgt Ion:152 Resp: 11821

Ion Ratio Lower Upper

152 100

151 51.7 16.0 24.0#

153 44.3 11.0 16.4#



#50

Acenaphthene

Concen: 13.80 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

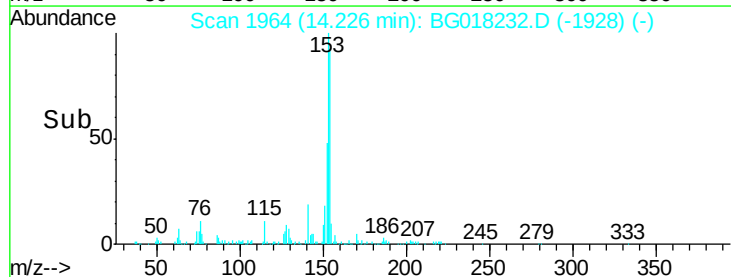
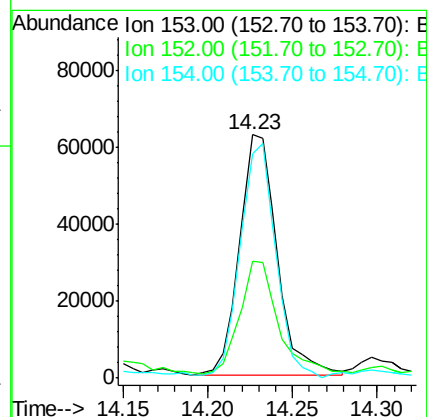
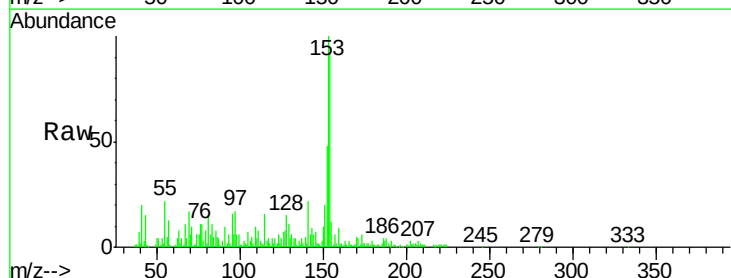
Tgt Ion:153 Resp: 96745

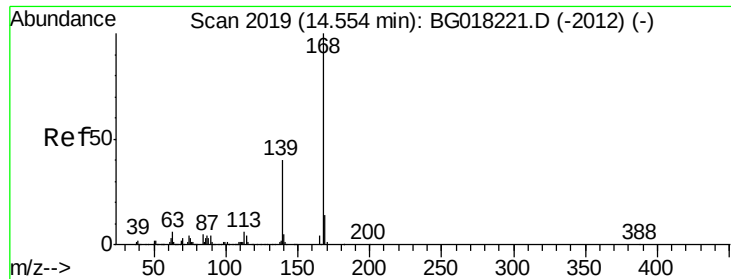
Ion Ratio Lower Upper

153 100

152 48.2 38.7 58.1

154 92.0 74.8 112.2





#54

Dibenzofuran

Concen: 8.13 ng/ul

RT: 14.57 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

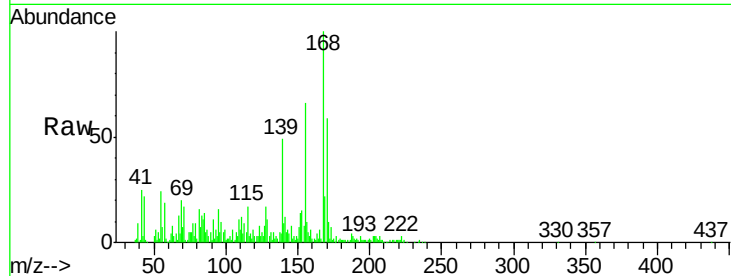
C02A2RE

Tgt Ion:168 Resp: 85860

Ion Ratio Lower Upper

168 100

139 49.3 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

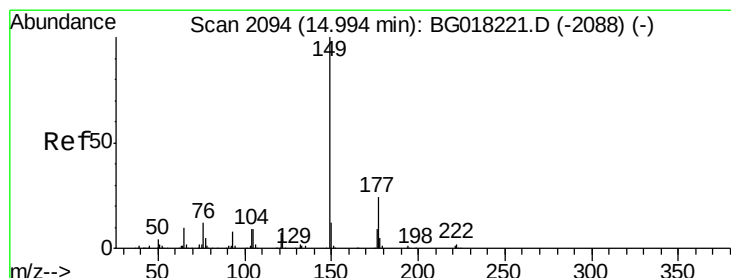
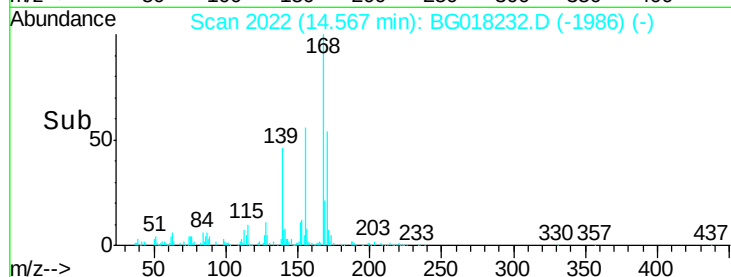
40000

20000

0

14.50 14.55 14.60

Time-->



#57

Diethylphthalate

Concen: 2.13 ng/ul

RT: 15.00 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

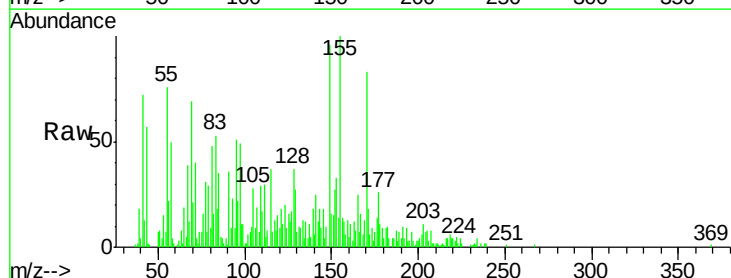
Tgt Ion:149 Resp: 20480

Ion Ratio Lower Upper

149 100

177 26.6 20.1 30.1

150 16.7 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

25000

20000

15000

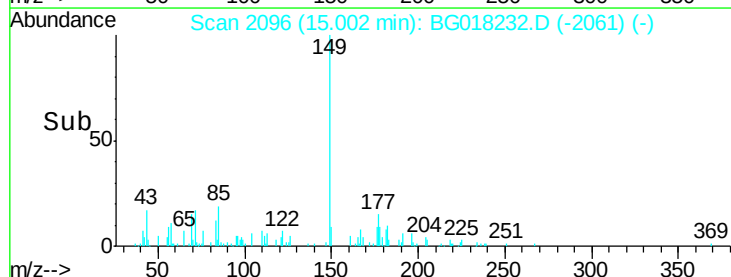
10000

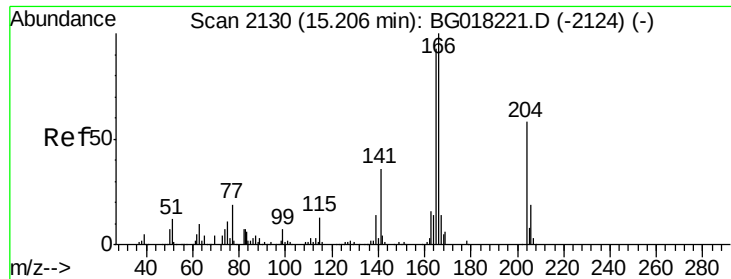
5000

0

15.00

Time-->

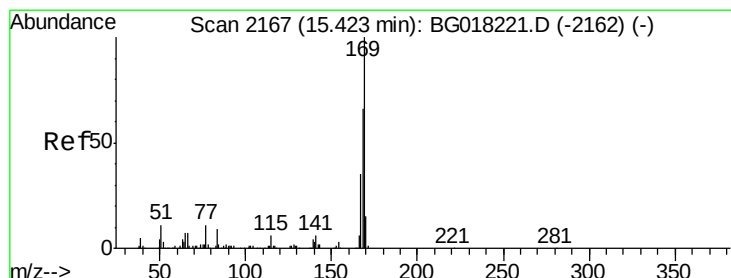
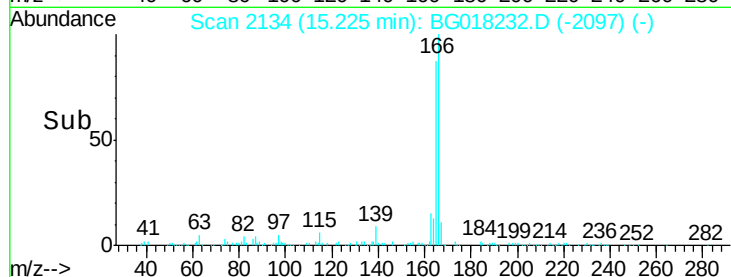
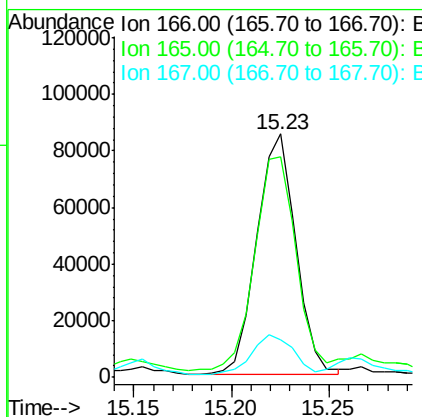
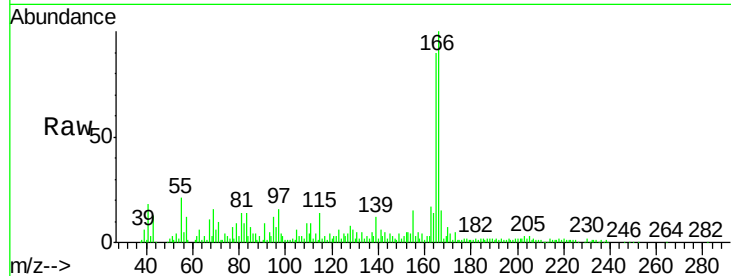




#59
Fluorene
 Concen: 12.91 ng/ul
 RT: 15.23 min Scan# 2134
 Delta R.T. 0.02 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

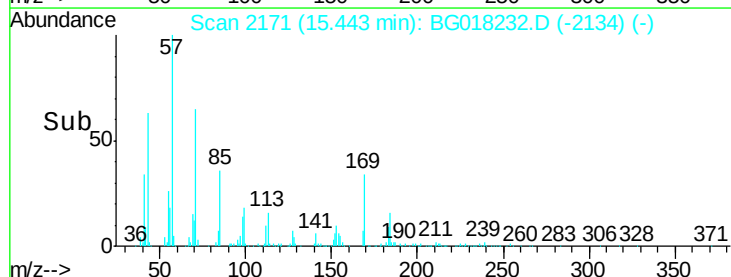
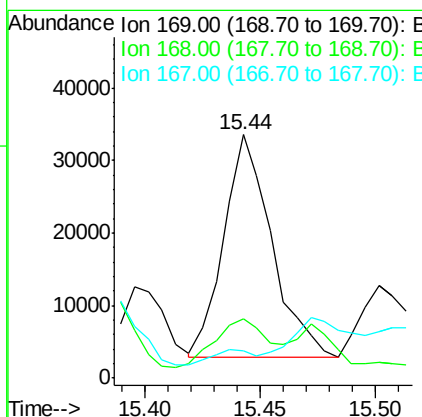
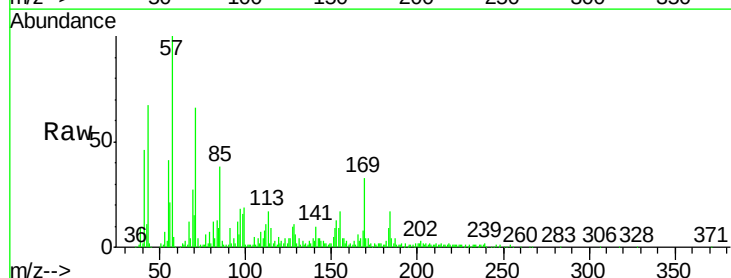
Instrument :
 BNA_G
 ClientSampleId :
 C02A2RE

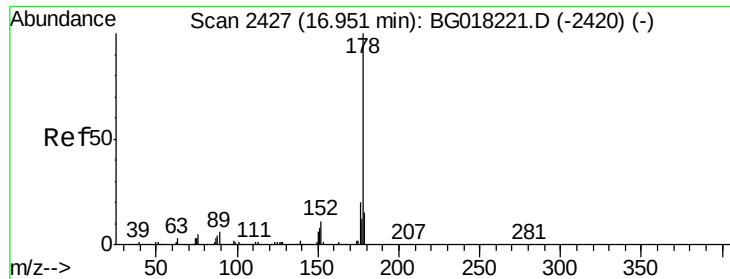
Tgt Ion:166 Resp: 117599
 Ion Ratio Lower Upper
 166 100
 165 90.5 75.1 112.7
 167 15.3 11.8 17.6



#65
N-Nitrosodiphenylamine
 Concen: 7.79 ng/ul
 RT: 15.44 min Scan# 2171
 Delta R.T. 0.02 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

Tgt Ion:169 Resp: 44403
 Ion Ratio Lower Upper
 169 100
 168 24.3 51.8 77.6#
 167 11.3 27.7 41.5#





#70

Phenanthrene

Concen: 75.56 ng/ul

RT: 16.98 min Scan# 2432

Delta R.T. 0.03 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

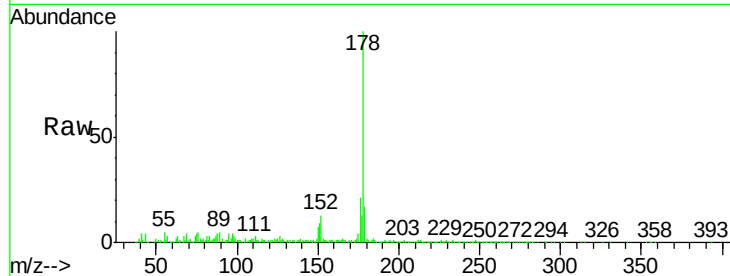
Tgt Ion:178 Resp: 844425

Ion Ratio Lower Upper

178 100

179 17.4 12.8 19.2

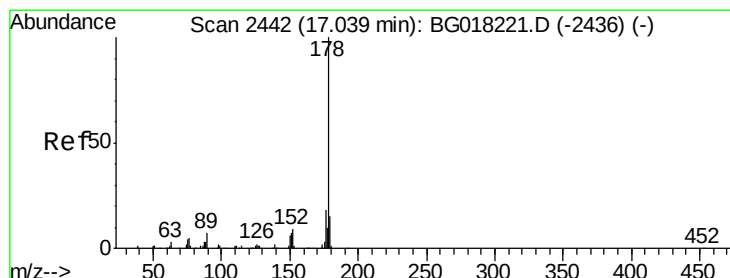
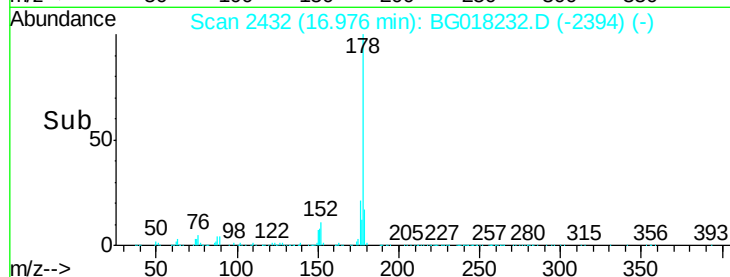
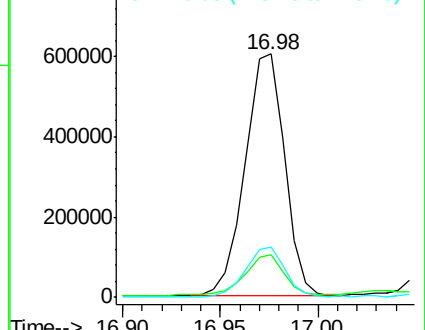
176 20.8 16.0 24.0



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



#72

Anthracene

Concen: 18.58 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. 0.03 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

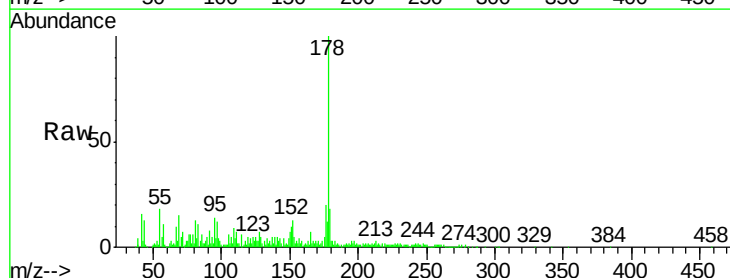
Tgt Ion:178 Resp: 206521

Ion Ratio Lower Upper

178 100

179 18.2 12.2 18.2

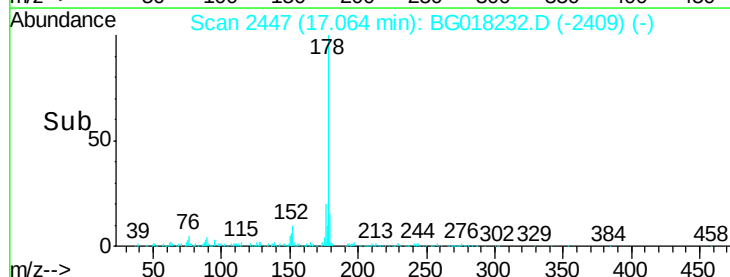
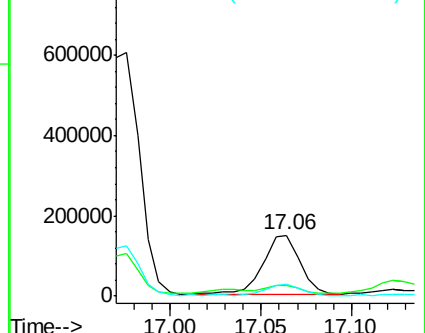
176 20.1 14.8 22.2

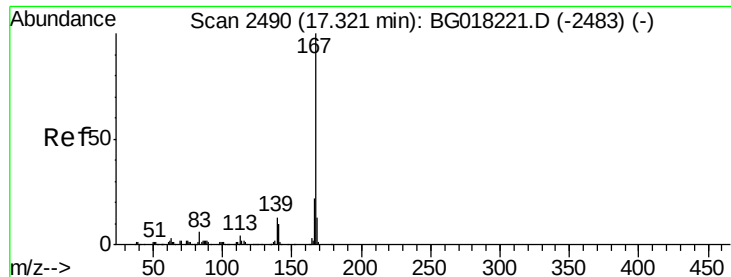


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.67 ng/ul

RT: 17.34 min Scan# 2494

Delta R.T. 0.02 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

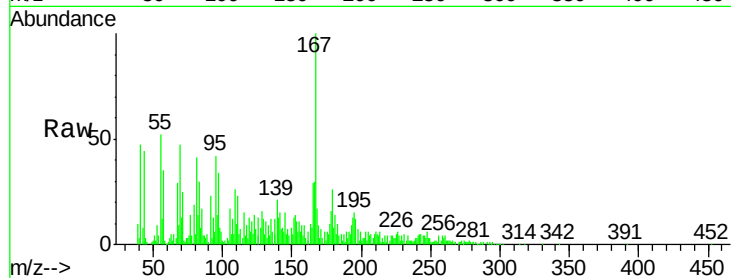
Tgt Ion:167 Resp: 80066

Ion Ratio Lower Upper

167 100

166 30.5 17.5 26.3#

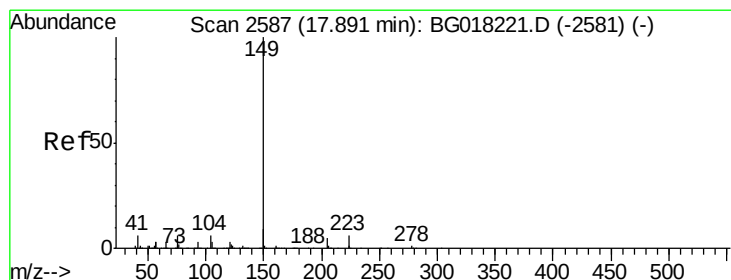
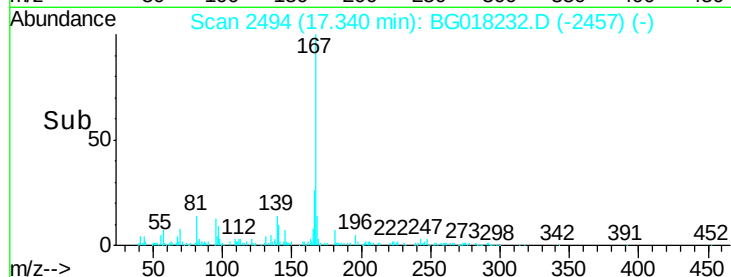
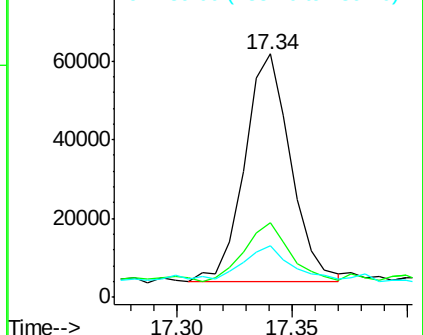
139 21.3 10.1 15.1#



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



#76

Di-n-butylphthalate

Concen: 4.92 ng/ul

RT: 17.91 min Scan# 2591

Delta R.T. 0.02 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

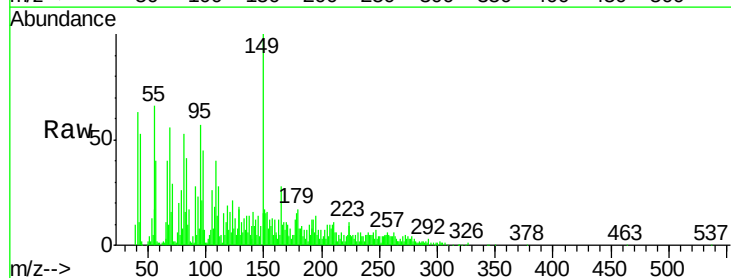
Tgt Ion:149 Resp: 60476

Ion Ratio Lower Upper

149 100

150 14.6 7.7 11.5#

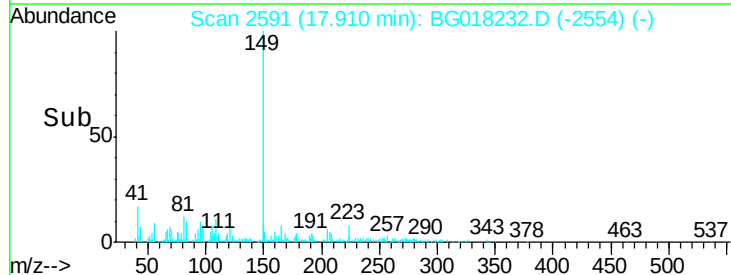
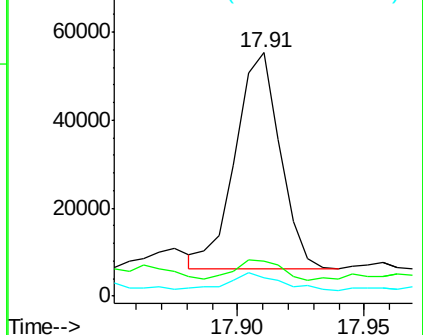
104 7.3 3.6 5.4#

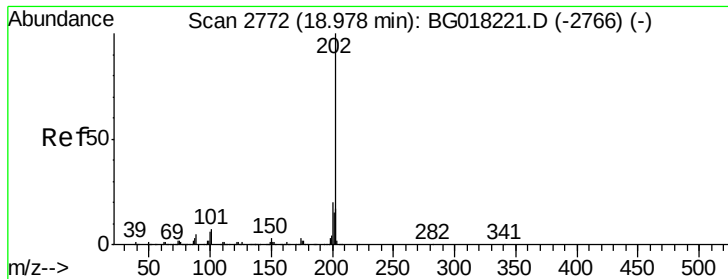


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

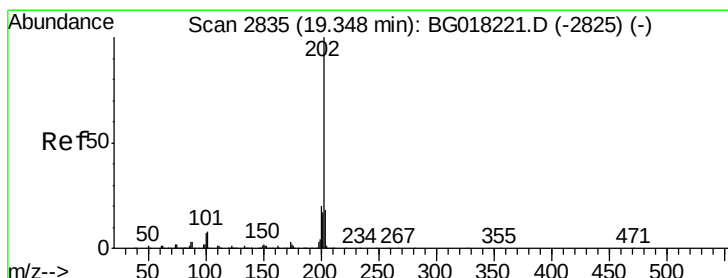
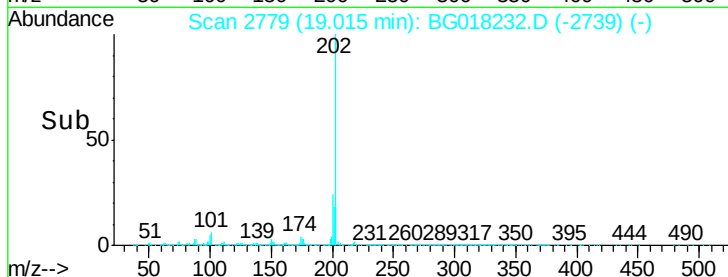
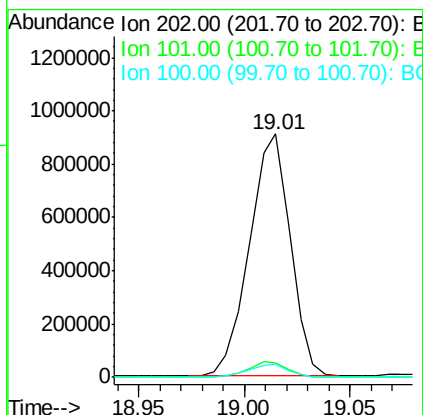
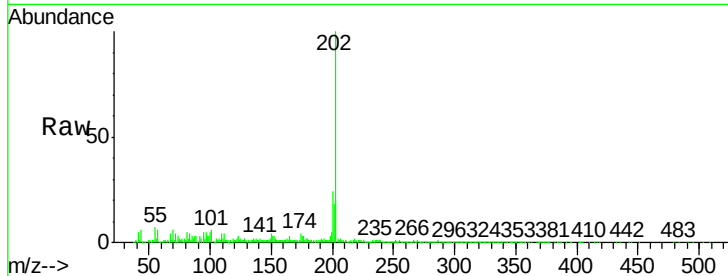




#77
 Fluoranthene
 Concen: 99.70 ng/ul
 RT: 19.01 min Scan# 2779
 Delta R.T. 0.04 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

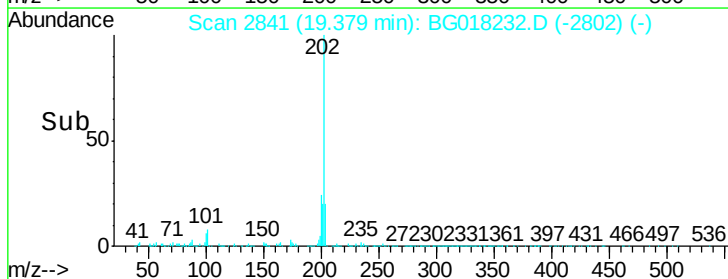
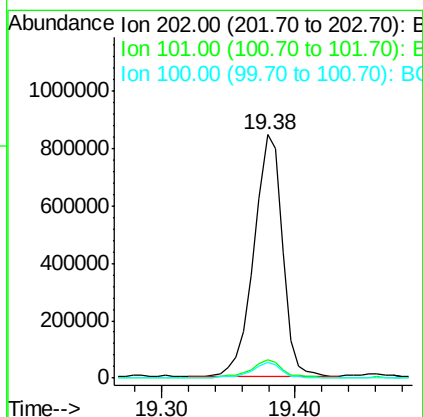
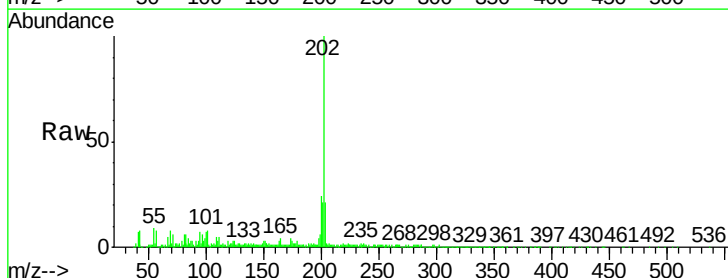
Instrument :
 BNA_G
 ClientSampleId :
 C02A2RE

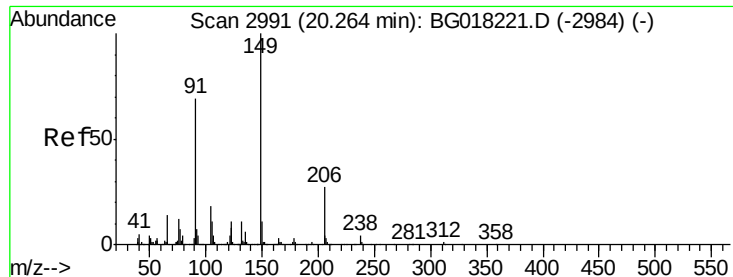
Tgt Ion:202 Resp: 1223732
 Ion Ratio Lower Upper
 202 100
 101 5.8 7.5 11.3#
 100 5.4 5.5 8.3#



#80
 Pyrene
 Concen: 55.67 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. 0.03 min
 Lab File: BG018232.D
 Acq: 2 Aug 2015 18:45

Tgt Ion:202 Resp: 1236210
 Ion Ratio Lower Upper
 202 100
 101 7.7 8.1 12.1#
 100 6.7 7.4 11.0#

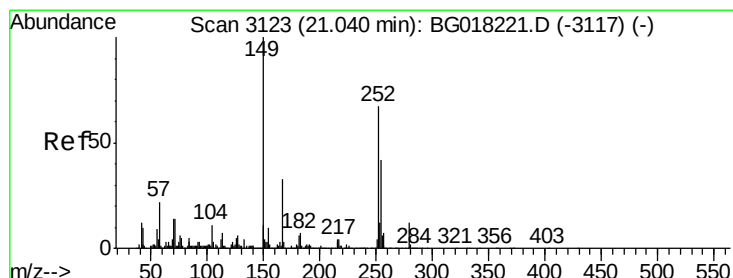
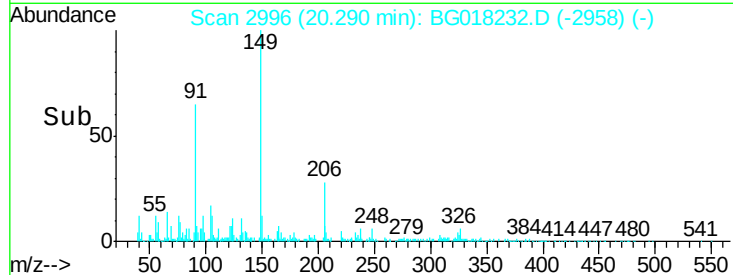
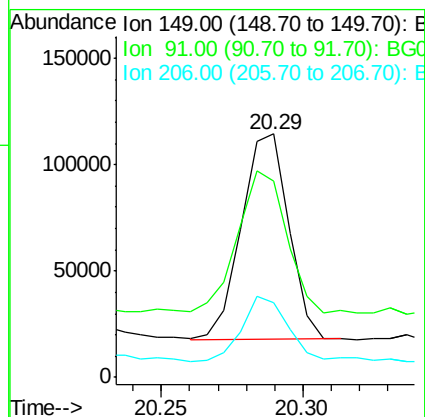
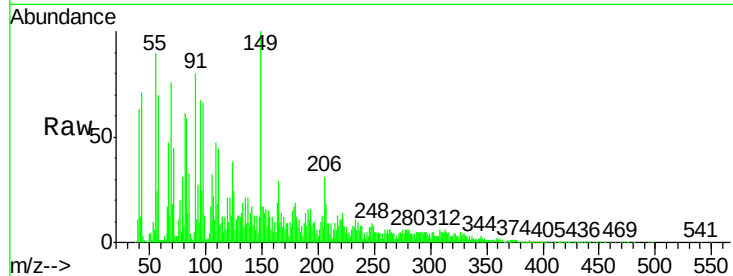




#81
Butylbenzylphthalate
Concen: 12.52 ng/ul
RT: 20.29 min Scan# 2996
Delta R.T. 0.03 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

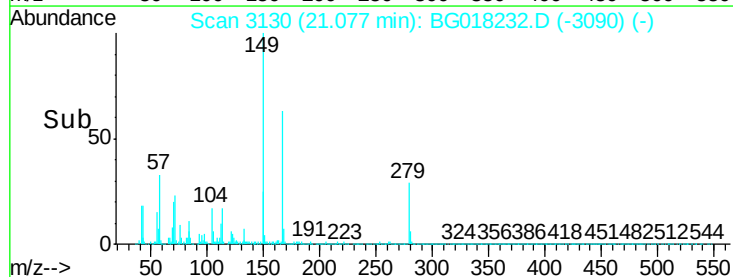
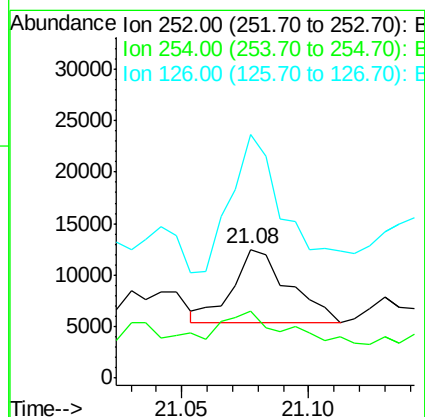
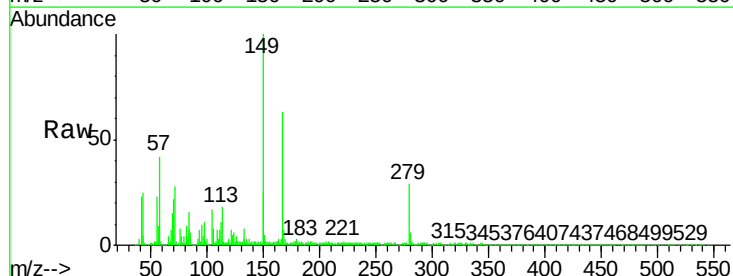
Instrument :
BNA_G
ClientSampleId :
C02A2RE

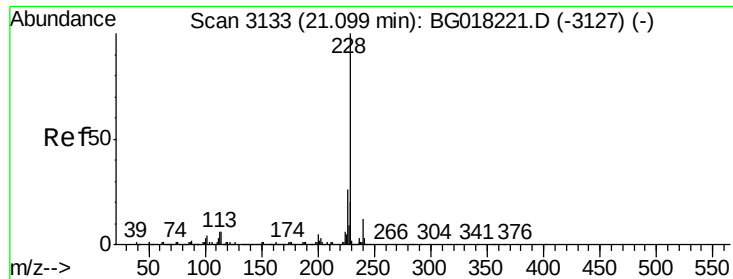
Tgt Ion:149 Resp: 112933
Ion Ratio Lower Upper
149 100
91 80.4 46.6 69.8#
206 30.9 21.8 32.8



#82
3,3'-Dichlorobenzidine
Concen: 1.43 ng/ul
RT: 21.08 min Scan# 3130
Delta R.T. 0.04 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

Tgt Ion:252 Resp: 11020
Ion Ratio Lower Upper
252 100
254 52.0 53.4 80.0#
126 189.3 8.7 13.1#





#83

Benzo(a)anthracene

Concen: 34.49 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.04 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

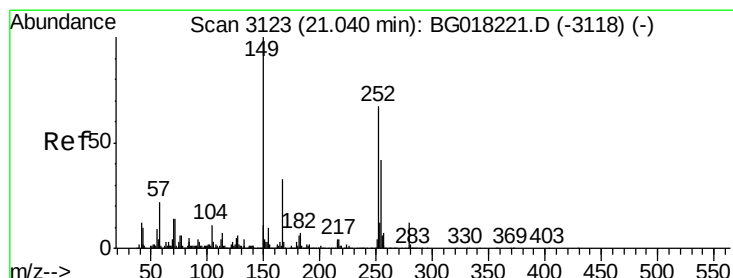
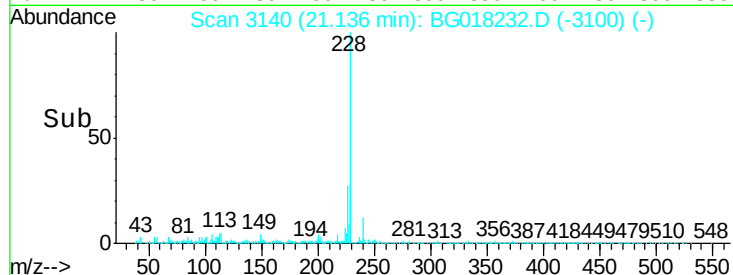
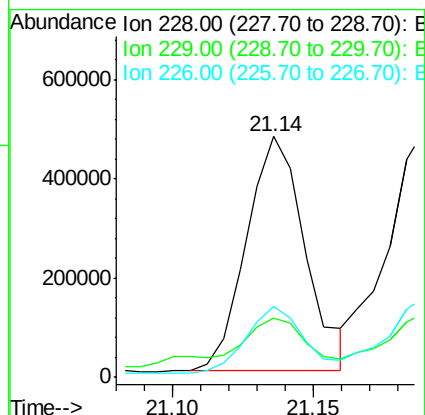
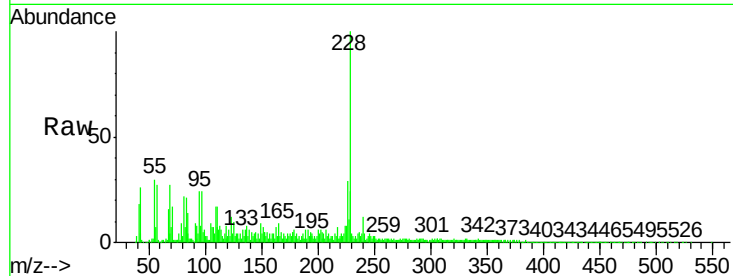
Tgt Ion:228 Resp: 679910

Ion Ratio Lower Upper

228 100

229 24.4 16.5 24.7

226 29.1 21.5 32.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 199.38 ng/ul

RT: 21.08 min Scan# 3130

Delta R.T. 0.04 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

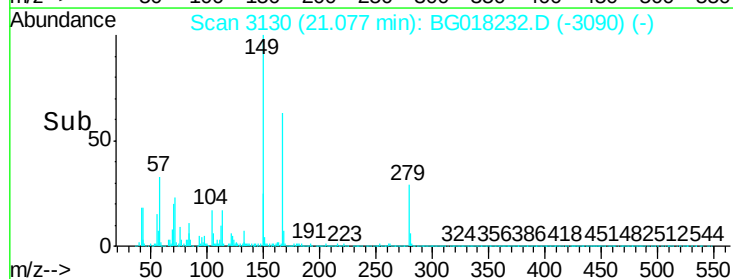
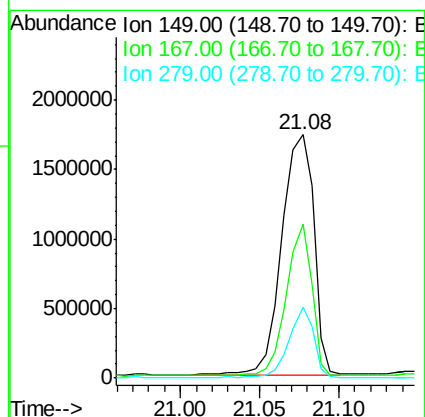
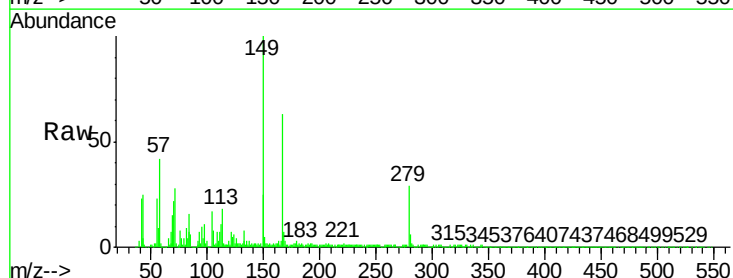
Tgt Ion:149 Resp: 2426252

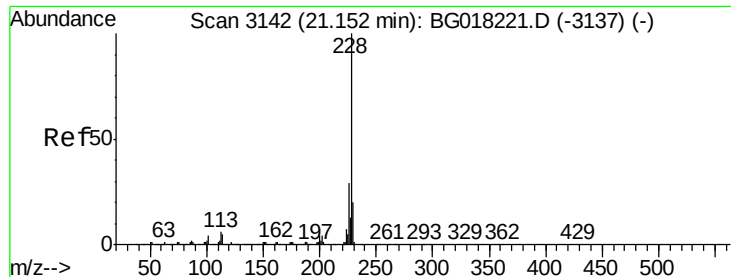
Ion Ratio Lower Upper

149 100

167 63.3 27.4 41.2#

279 28.9 8.3 12.5#

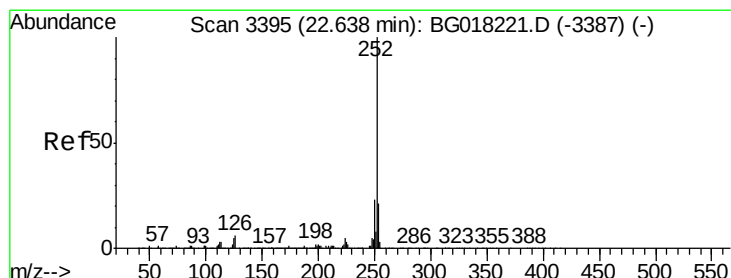
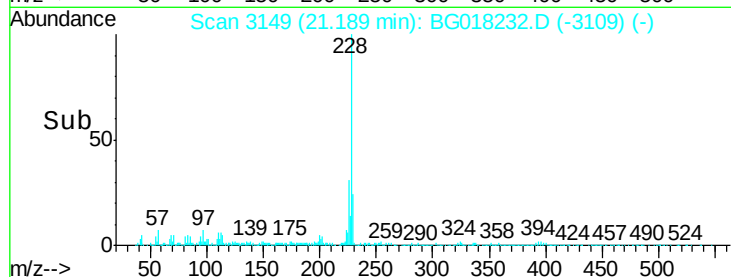
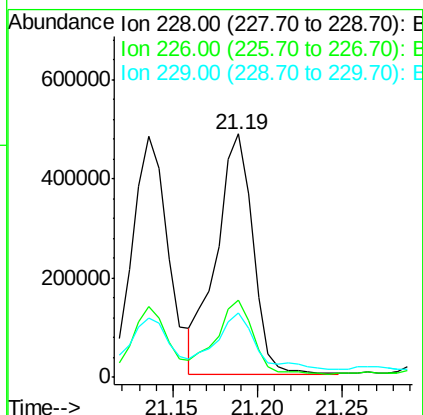
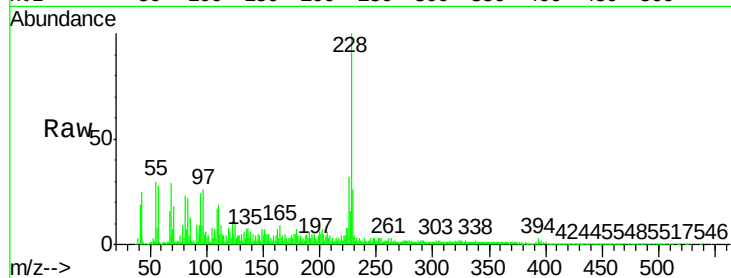




#85
Chrysene
Concen: 40.45 ng/ul
RT: 21.19 min Scan# 3149
Delta R.T. 0.04 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

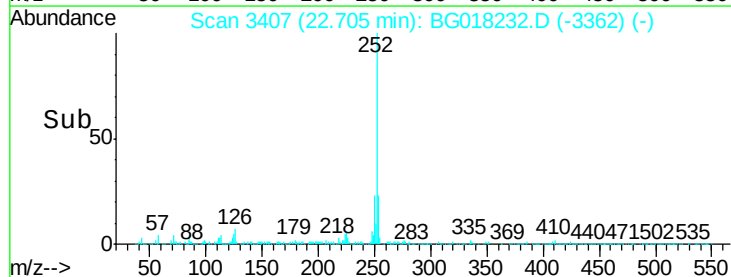
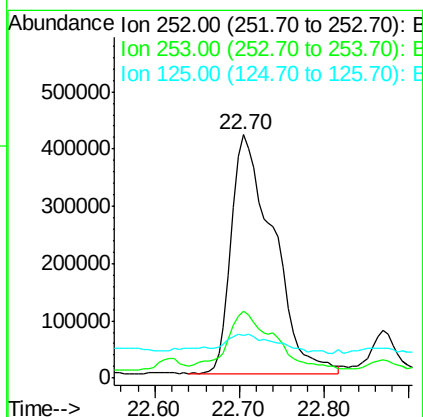
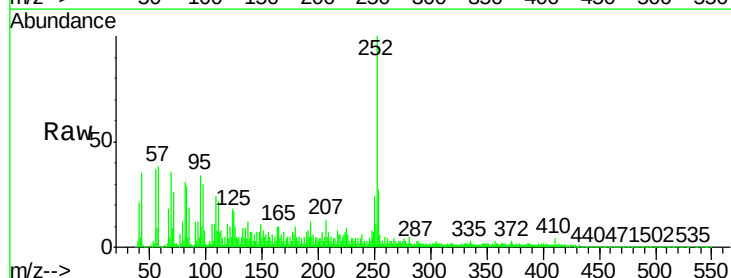
Instrument :
BNA_G
ClientSampleId :
C02A2RE

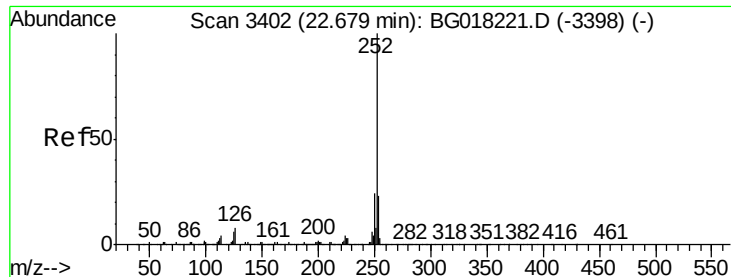
Tgt Ion:228 Resp: 730488
Ion Ratio Lower Upper
228 100
226 31.7 22.7 34.1
229 26.2 16.2 24.2#



#88
Benzo(b)fluoranthene
Concen: 71.47 ng/ul
RT: 22.70 min Scan# 3407
Delta R.T. 0.07 min
Lab File: BG018232.D
Acq: 2 Aug 2015 18:45

Tgt Ion:252 Resp: 1438910
Ion Ratio Lower Upper
252 100
253 27.4 18.5 27.7
125 17.4 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 77.77 ng/ul

RT: 22.70 min Scan# 3407

Delta R.T. 0.03 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

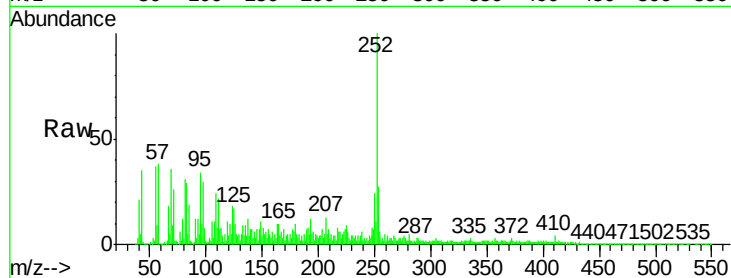
Tgt Ion:252 Resp: 1438910

Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

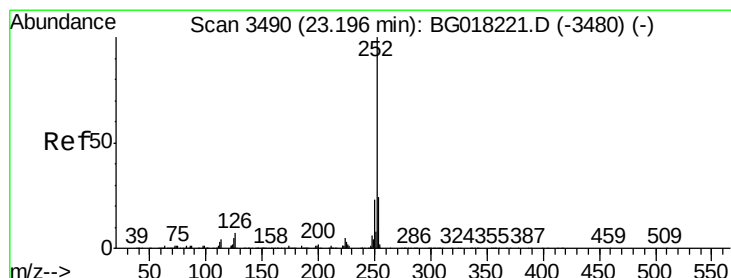
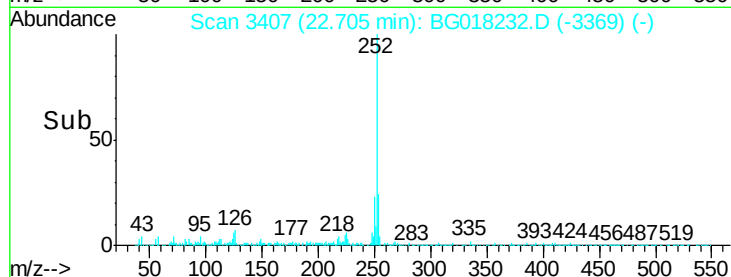
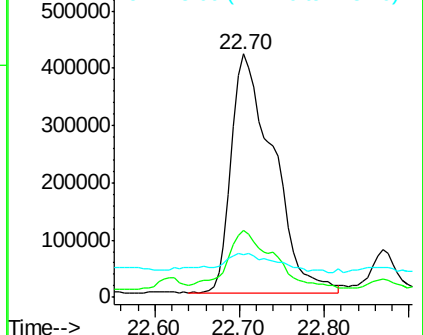
125 17.4 7.5 11.3#



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



#91

Benzo(a)pyrene

Concen: 36.54 ng/ul

RT: 23.27 min Scan# 3504

Delta R.T. 0.08 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

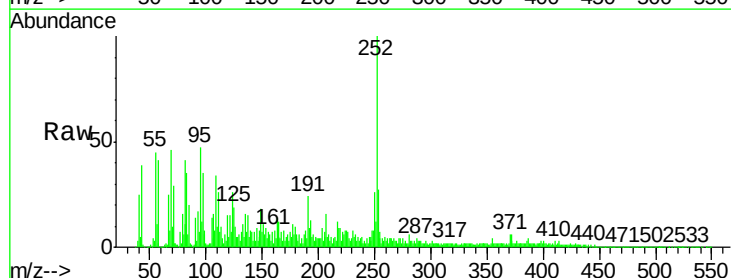
Tgt Ion:252 Resp: 658120

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.2#

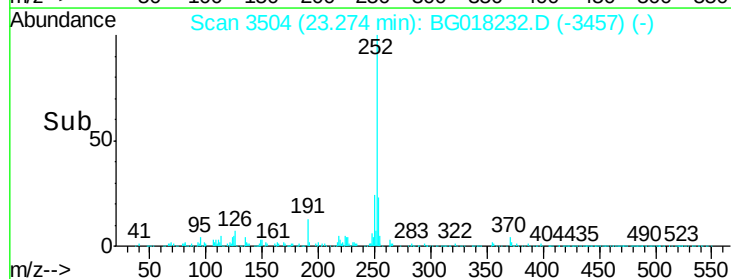
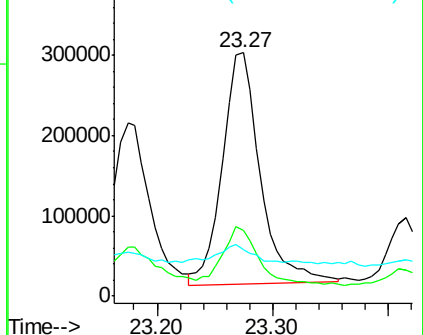
125 19.3 7.3 10.9#

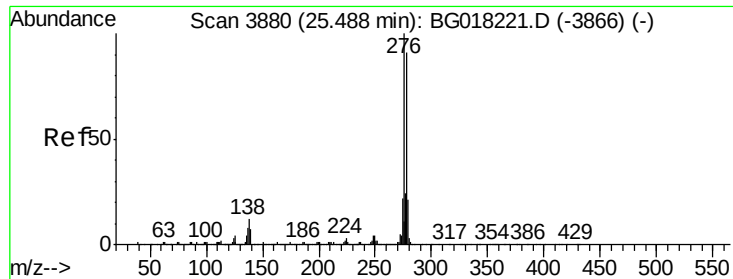


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 11.84 ng/ul

RT: 25.60 min Scan# 3899

Delta R.T. 0.11 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

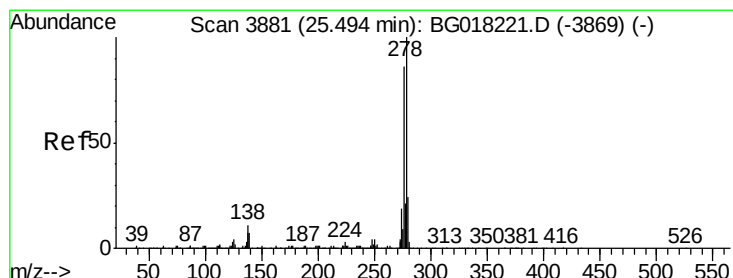
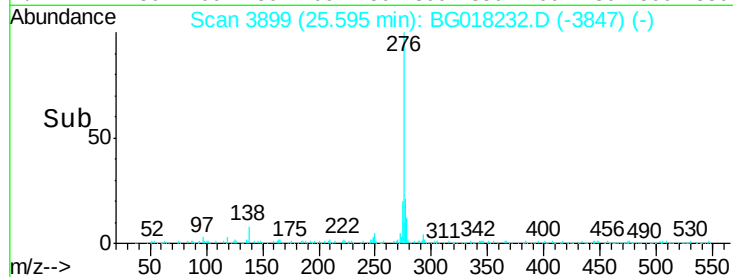
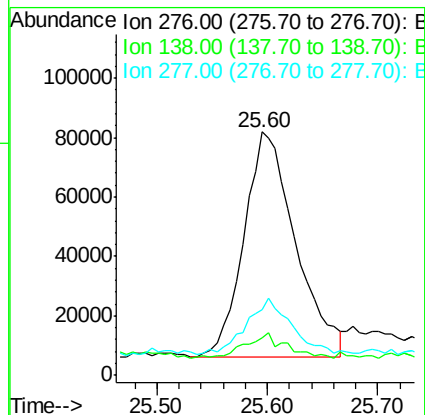
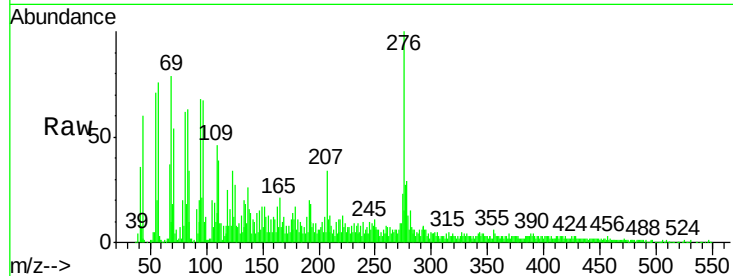
Tgt Ion:276 Resp: 246720

Ion Ratio Lower Upper

276 100

138 15.6 17.2 25.8#

277 27.2 19.5 29.3



#93

Dibenzo(a,h)anthracene

Concen: 3.40 ng/ul

RT: 25.61 min Scan# 3901

Delta R.T. 0.11 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

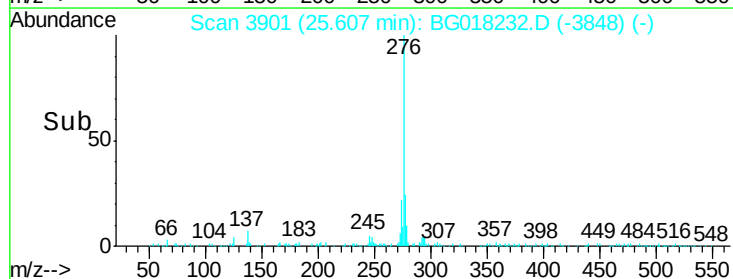
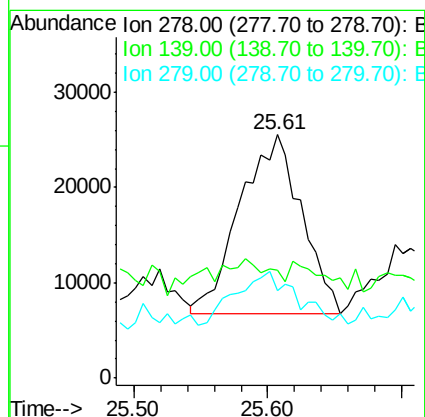
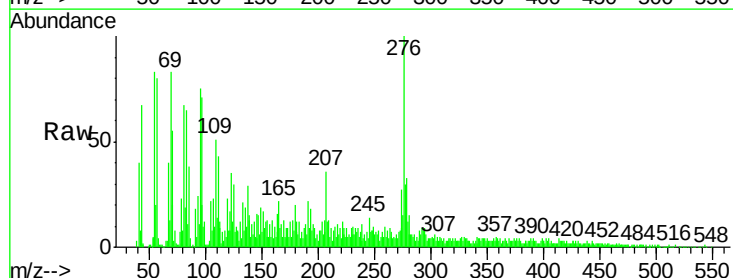
Tgt Ion:278 Resp: 60577

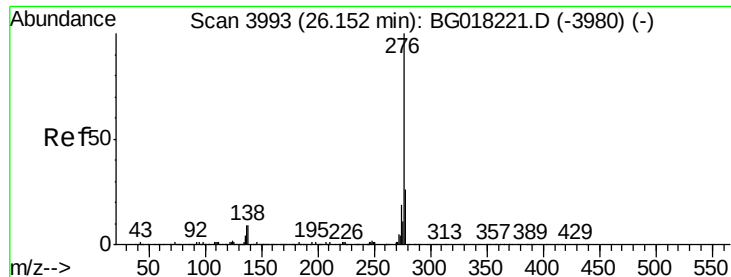
Ion Ratio Lower Upper

278 100

139 44.1 12.2 18.2#

279 35.8 20.0 30.0#





#94

Benzo(g,h,i)perylene

Concen: 12.73 ng/ul

RT: 26.29 min Scan# 4017

Delta R.T. 0.14 min

Lab File: BG018232.D

Acq: 2 Aug 2015 18:45

Instrument :

BNA_G

ClientSampleId :

C02A2RE

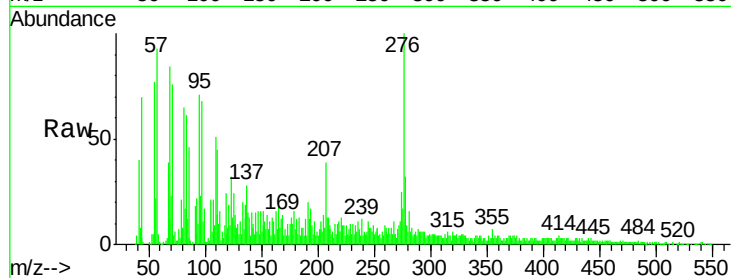
Tgt Ion:276 Resp: 216580

Ion Ratio Lower Upper

276 100

138 14.6 15.1 22.7#

277 31.8 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

