

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021115\
 Data File : BG015983.D
 Acq On : 11 Feb 2015 13:55
 Operator : TP/IZ
 Sample : G1227-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X1H38

Quant Time: Feb 11 22:51:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG021015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 11 22:42:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	52435	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	246758	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	155040	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	337727	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	364725	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	336736	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	156628	30.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	90395	29.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	115741	30.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	119008	29.77	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	61131	29.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	59563	28.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	112653	30.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	153757	34.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	351599	33.77	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	446160	31.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	80069	30.92	ng/ul	0.00
57) Fluorene-d10	15.44	176	330146	32.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	45630	24.04	ng/ul	0.00
70) Anthracene-d10	17.28	188	542076	34.95	ng/ul	0.00
76) Pyrene-d10	19.57	212	631716	38.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	589485	39.53	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.95	77	225604	130.55	ng/ul	98
6) Phenol	7.00	94	11098	2.04	ng/ul	98
10) 2-Chlorophenol	7.37	128	226297	57.99	ng/ul	96
14) Acetophenone	8.63	105	269547	45.94	ng/ul	99
16) 4-Methylphenol	8.56	108	194455	43.76	ng/ul	89
17) Hexachloroethane	8.89	117	65477	43.20	ng/ul	95
27) 2,4-Dichlorophenol	10.24	162	225747	62.70	ng/ul	98
28) Naphthalene	10.65	128	674810	52.56	ng/ul	99
32) Caprolactam	11.49	113	7180	3.78	ng/ul	97
34) 2-Methylnaphthalene	12.26	142	500660	54.27	ng/ul	96
41) 2-Chloronaphthalene	13.32	162	503405	57.76	ng/ul	98
44) Dimethylphthalate	13.90	163	46948	4.18	ng/ul	100
49) Acenaphthene	14.51	153	316864	31.38	ng/ul	97
58) Fluorene	15.49	166	412131	34.74	ng/ul	100
60) 4-Nitroaniline	15.49	138	4627	1.41	ng/ul#	27
63) 4,6-Dinitro-2-methylphenol	15.56	198	126826	60.71	ng/ul#	99
67) Atrazine	16.65	200	216537	59.93	ng/ul	98
69) Phenanthrene	17.23	178	781540	42.85	ng/ul	99
71) Anthracene	17.23	178	781540	41.56	ng/ul	98
72) Carbazole	17.59	167	1208879	66.59	ng/ul	97
77) Pyrene	19.61	202	1196646	56.37	ng/ul	98
78) Butylbenzylphthalate	20.51	149	559562	58.22	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.28	149	684955	53.84	ng/ul	98

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QLast Update : Wed Feb 11 22:42:45 2015
Response via : Initial Calibration

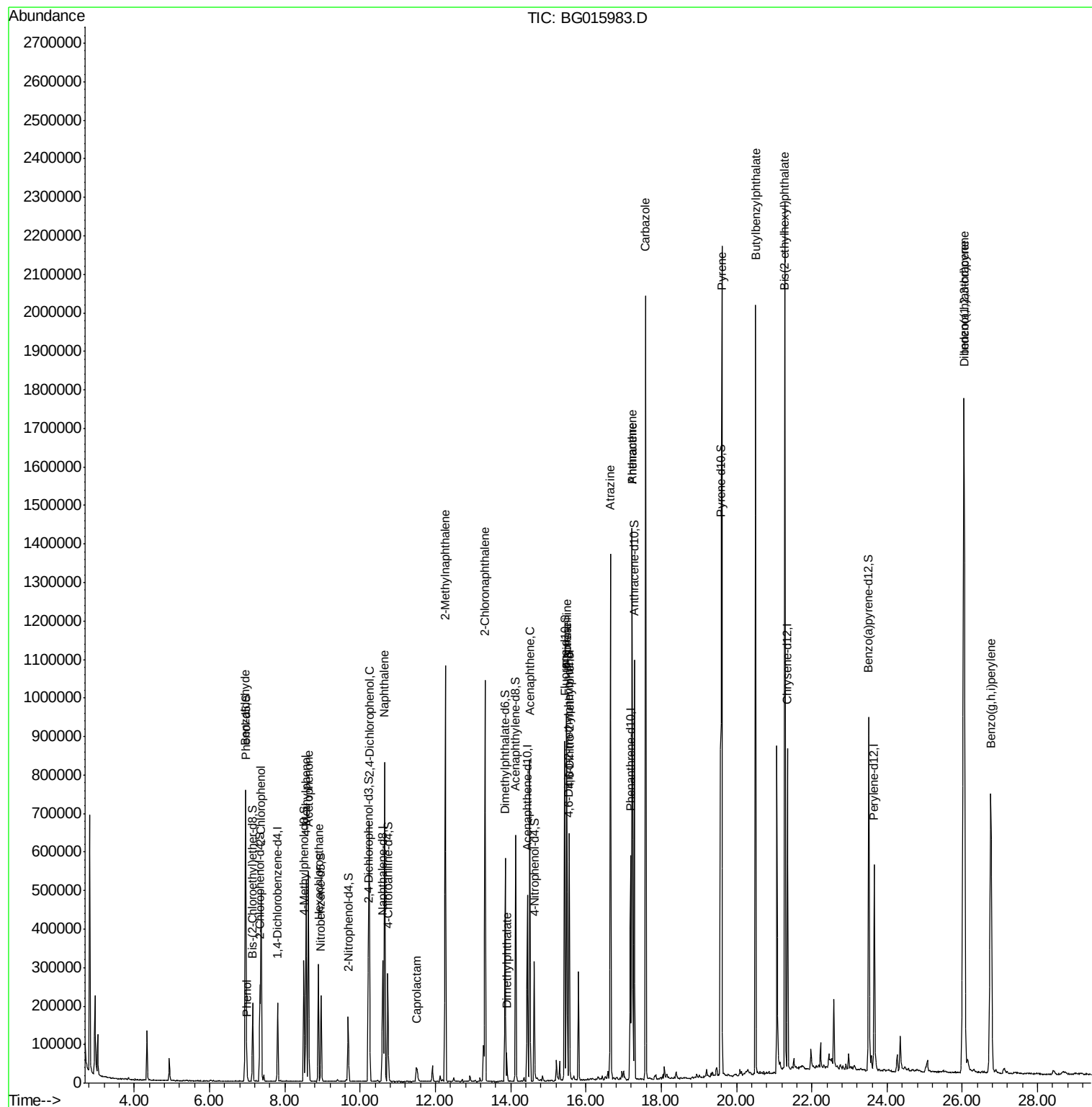
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.04	276	1363118	62.03	ng/ul	96
90) Dibenzo(a,h)anthracene	26.05	278	917087	49.58	ng/ul	99
91) Benzo(g,h,i)perylene	26.76	276	858584	46.82	ng/ul	97

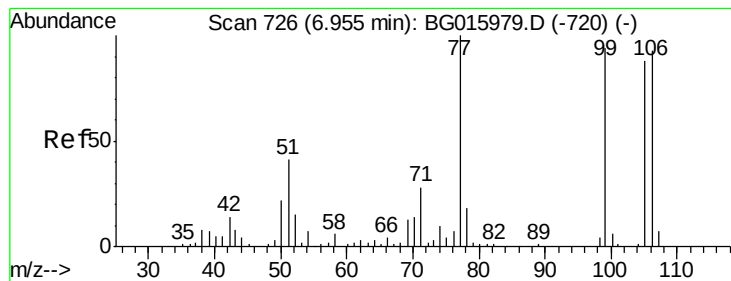
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampled :
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#4

Benzaldehyde

Concen: 130.55 ng/ul

RT: 6.95 min Scan# 726

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

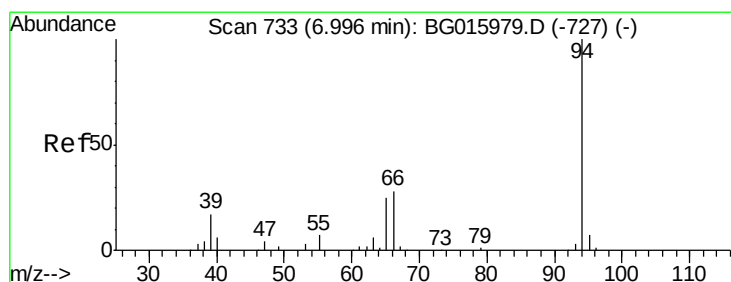
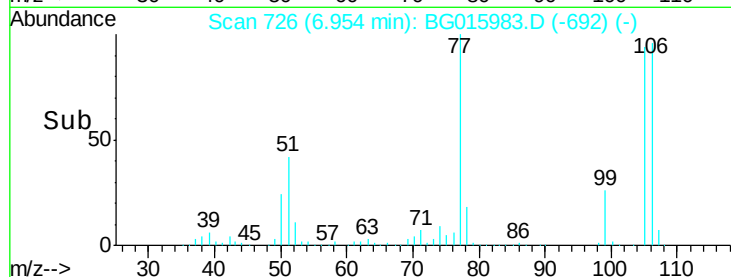
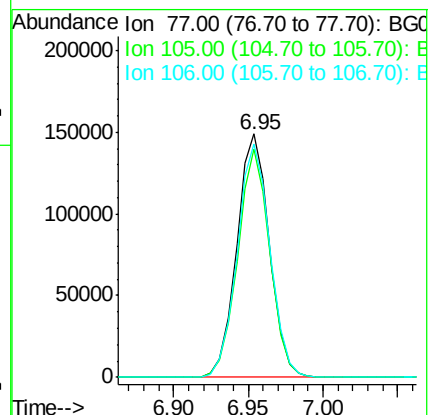
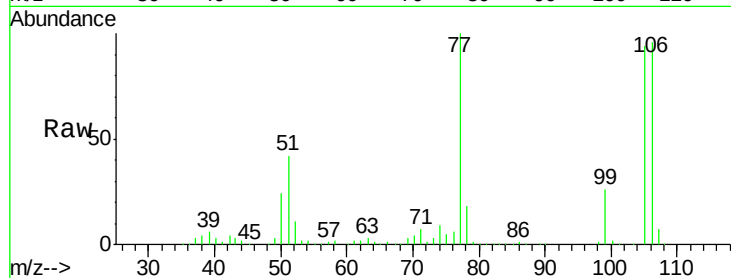
Tgt Ion: 77 Resp: 225604

Ion Ratio Lower Upper

77 100

105 93.9 76.6 115.0

106 96.0 74.8 112.2



#6

Phenol

Concen: 2.04 ng/ul

RT: 7.00 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

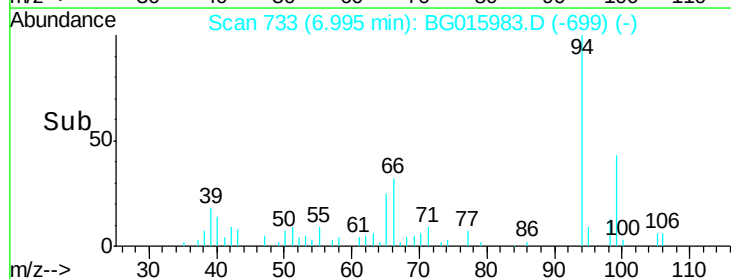
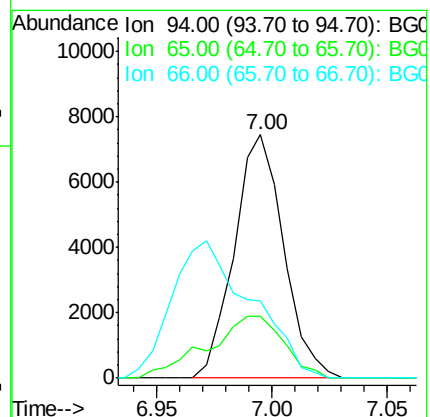
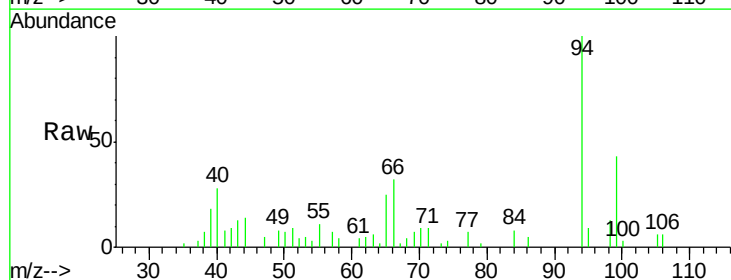
Tgt Ion: 94 Resp: 11098

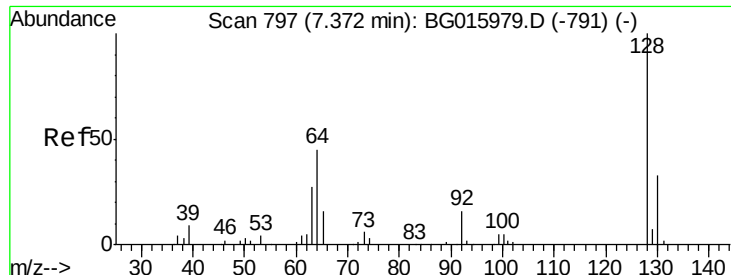
Ion Ratio Lower Upper

94 100

65 25.5 21.0 31.6

66 31.6 24.4 36.6

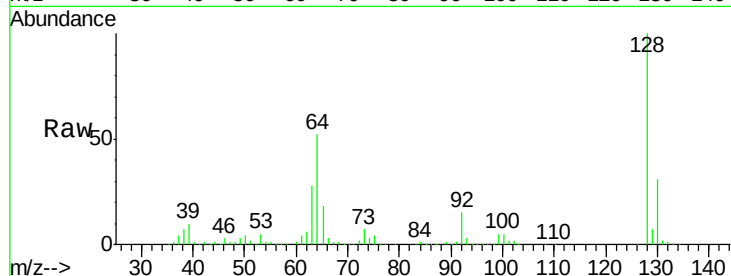




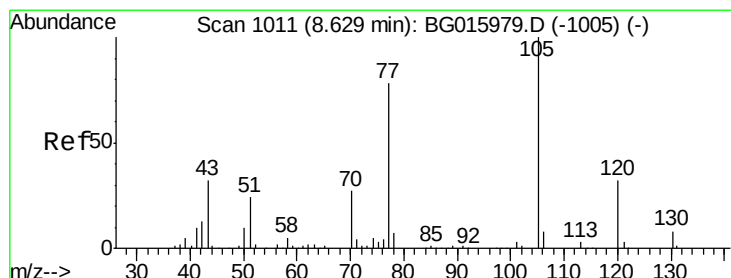
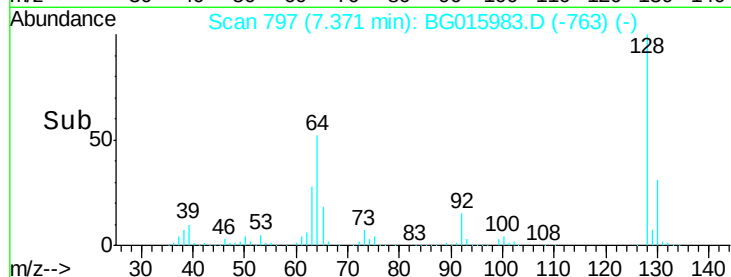
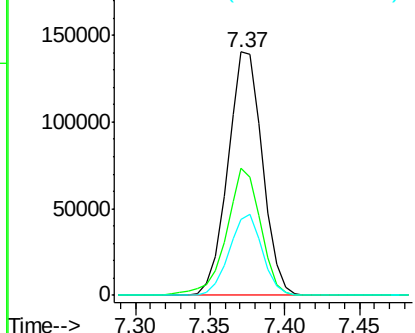
#10
2-Chlorophenol
Concen: 57.99 ng/ul
RT: 7.37 min Scan# 797
Delta R.T. -0.00 min
Lab File: BG015983.D
Acq: 11 Feb 2015 13:55

Instrument :
BNA_G
ClientSampleId :
X1H38

Tgt Ion:128 Resp: 226297
Ion Ratio Lower Upper
128 100
64 52.1 38.9 58.3
130 31.4 26.3 39.5

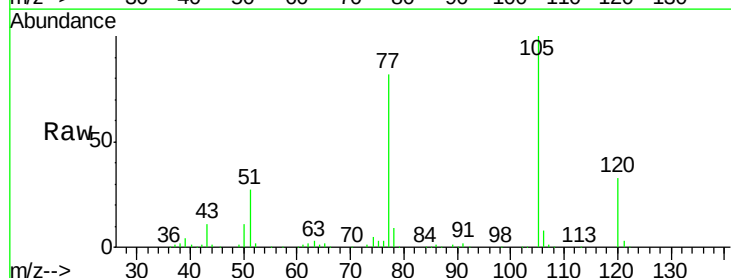


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BG015979.D (-791) (-)
Ion 130.00 (129.70 to 130.70): E

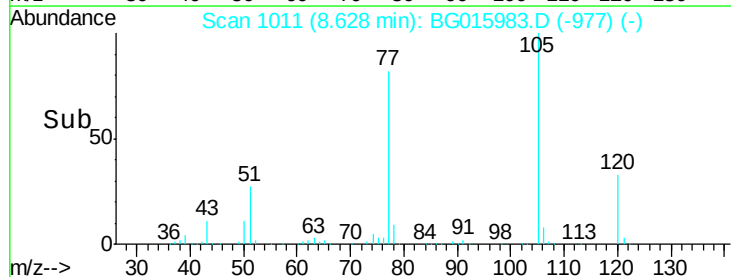
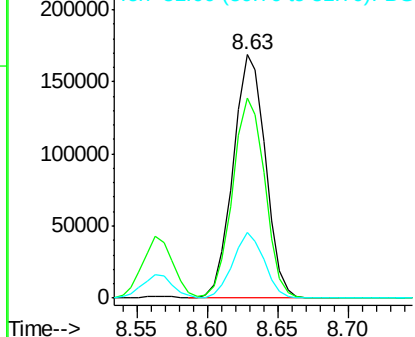


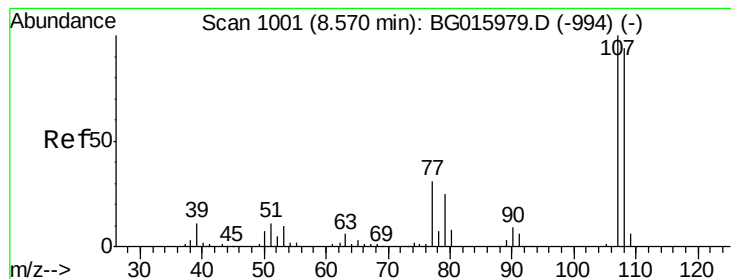
#14
Acetophenone
Concen: 45.94 ng/ul
RT: 8.63 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BG015983.D
Acq: 11 Feb 2015 13:55

Tgt Ion:105 Resp: 269547
Ion Ratio Lower Upper
105 100
77 82.3 65.4 98.0
51 26.9 20.8 31.2



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG015979.D (-1005) (-)
Ion 51.00 (50.70 to 51.70): BG015983.D (-977) (-)





#16

4-Methylphenol

Concen: 43.76 ng/ul

RT: 8.56 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

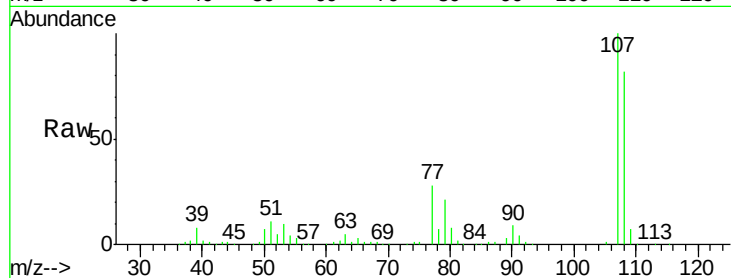
X1H38

Tgt Ion:108 Resp: 194455

Ion Ratio Lower Upper

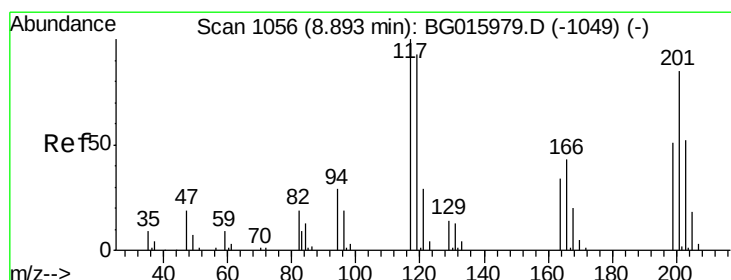
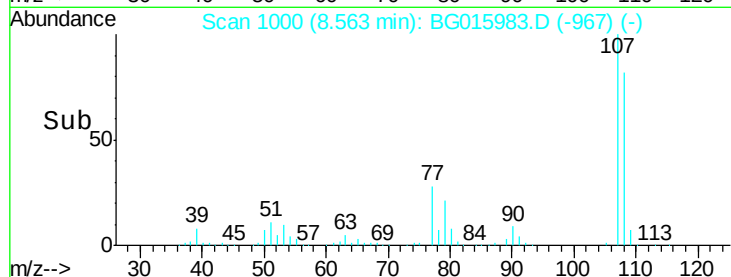
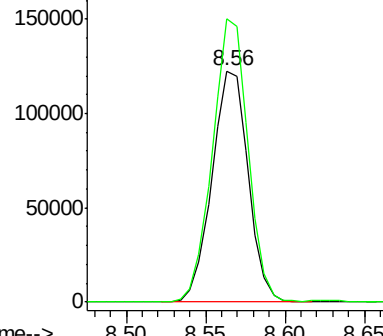
108 100

107 122.5 88.4 132.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 43.20 ng/ul

RT: 8.89 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

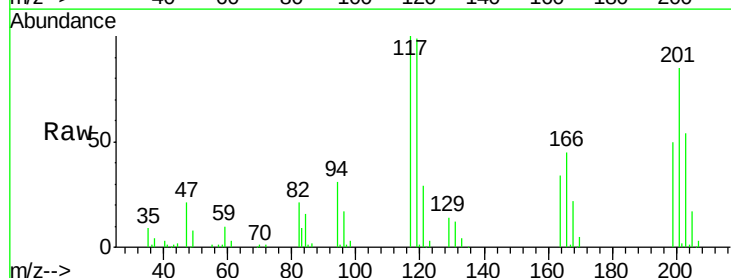
Tgt Ion:117 Resp: 65477

Ion Ratio Lower Upper

117 100

201 84.9 64.0 96.0

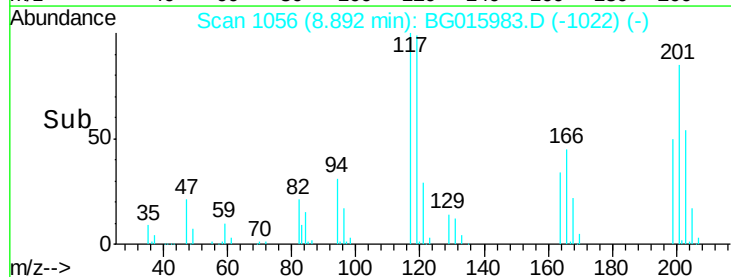
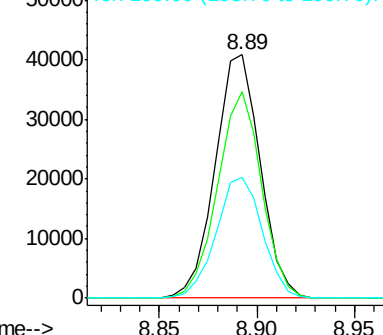
199 49.7 38.0 57.0

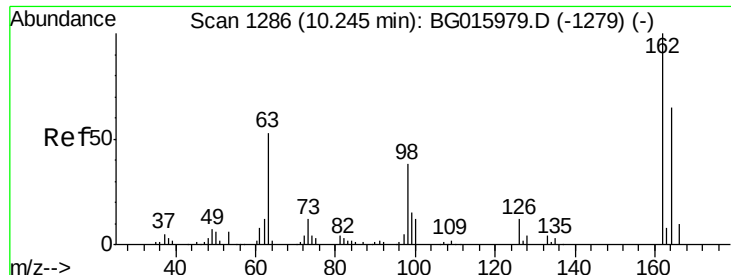


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

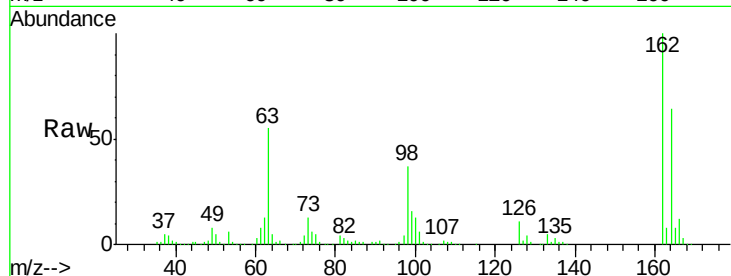




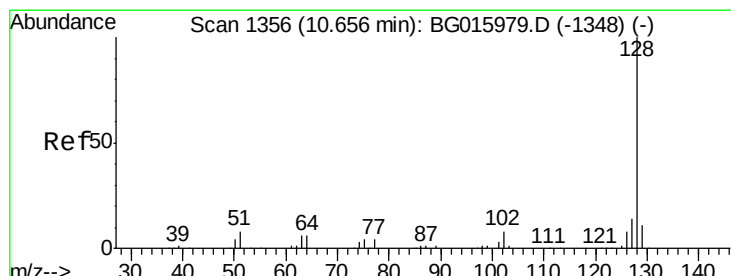
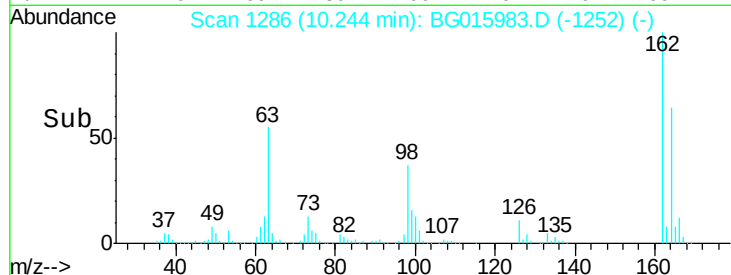
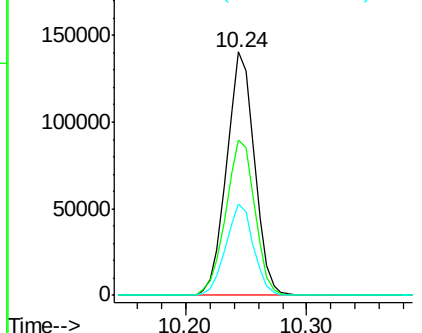
#27
 2,4-Dichlorophenol
 Concen: 62.70 ng/ul
 RT: 10.24 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

Instrument :
 BNA_G
 ClientSampleId :
 X1H38

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.6	52.2	78.4
98	37.4	28.5	42.7

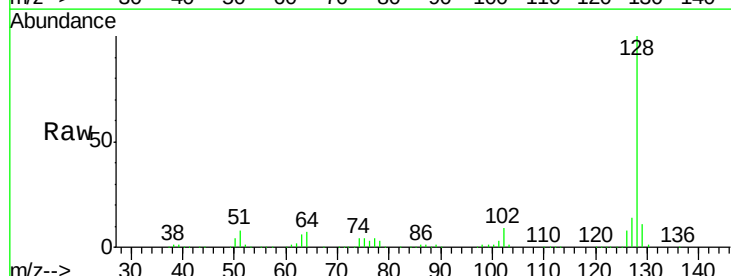


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

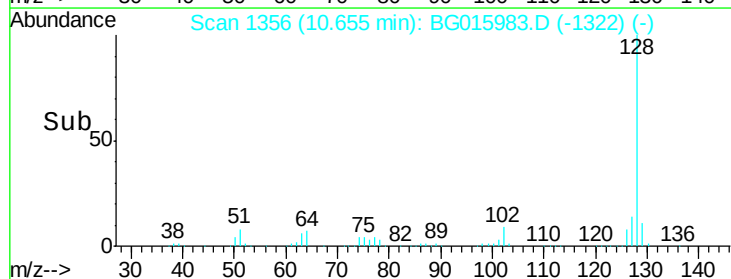
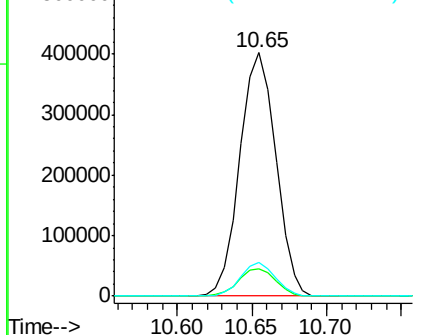


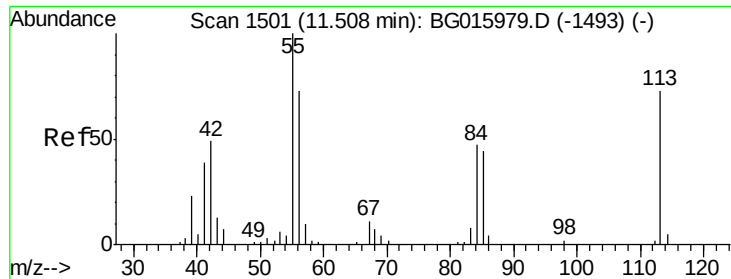
#28
 Naphthalene
 Concen: 52.56 ng/ul
 RT: 10.65 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	14.0	10.7	16.1



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: 3.78 ng/ul

RT: 11.49 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

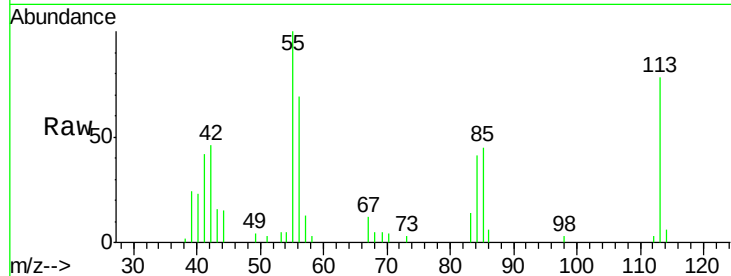
Tgt Ion:113 Resp: 7180

Ion Ratio Lower Upper

113 100

55 128.8 103.5 155.3

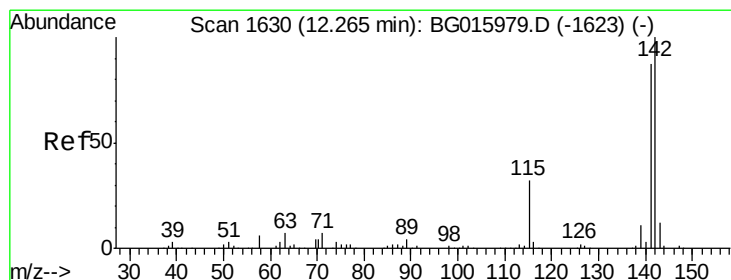
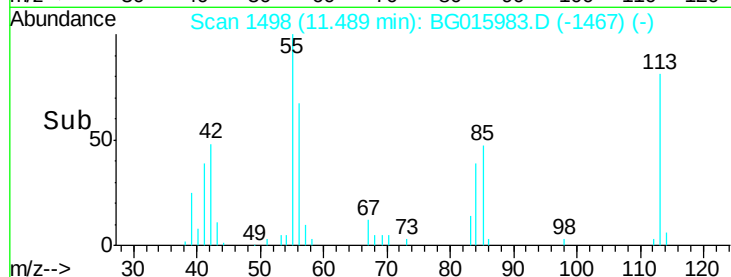
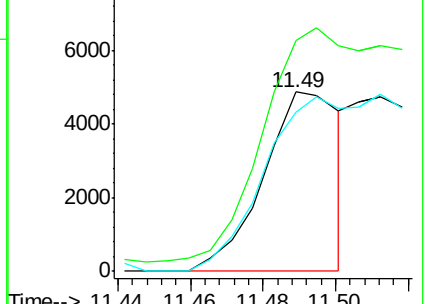
56 88.6 75.1 112.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#34

2-Methylnaphthalene

Concen: 54.27 ng/ul

RT: 12.26 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BG015983.D

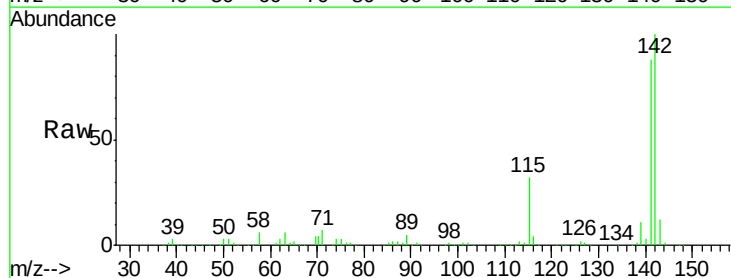
Acq: 11 Feb 2015 13:55

Tgt Ion:142 Resp: 500660

Ion Ratio Lower Upper

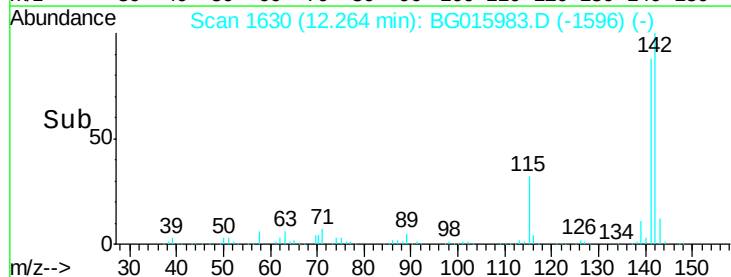
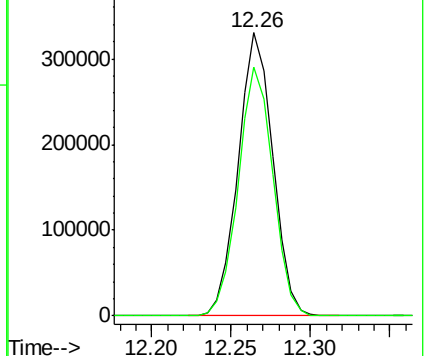
142 100

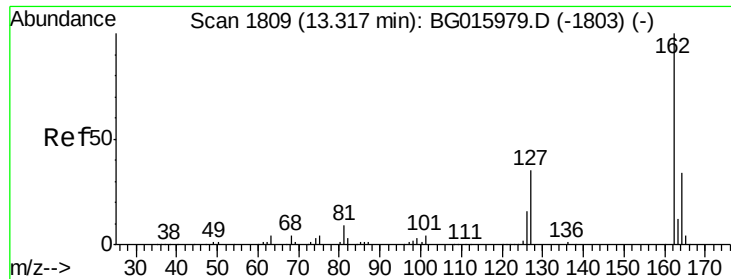
141 88.0 67.7 101.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

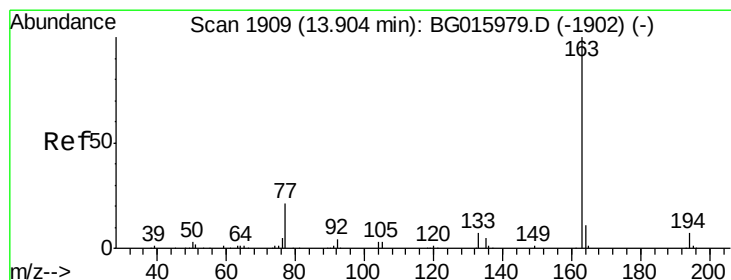
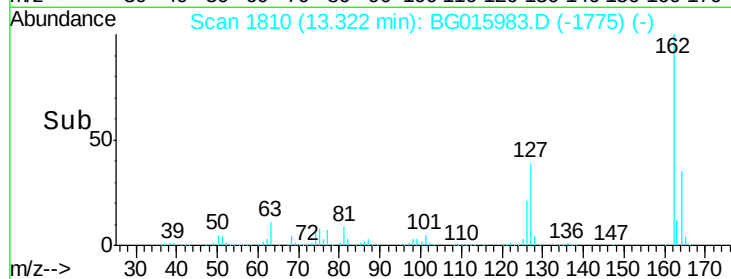
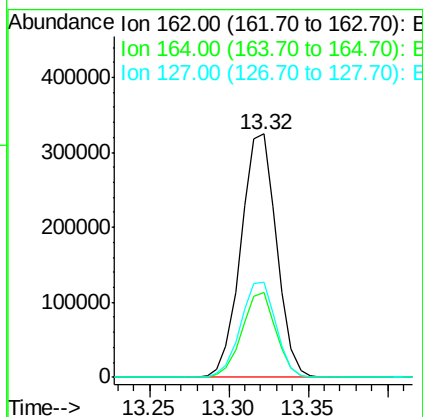
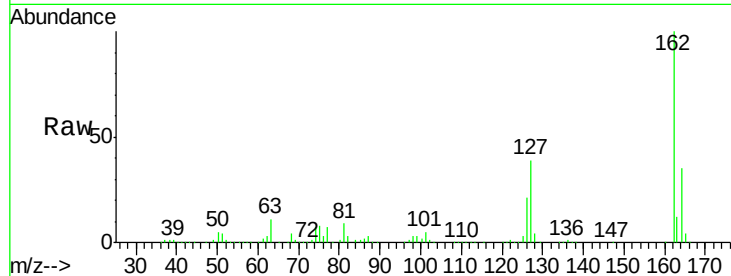




#41
2-Chloronaphthalene
Concen: 57.76 ng/ul
RT: 13.32 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BG015983.D
Acq: 11 Feb 2015 13:55

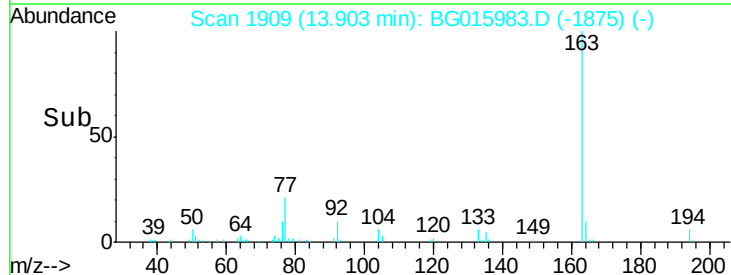
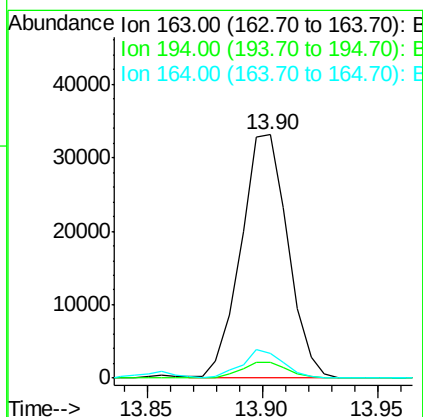
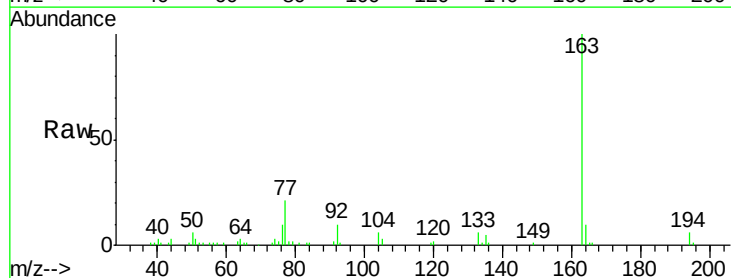
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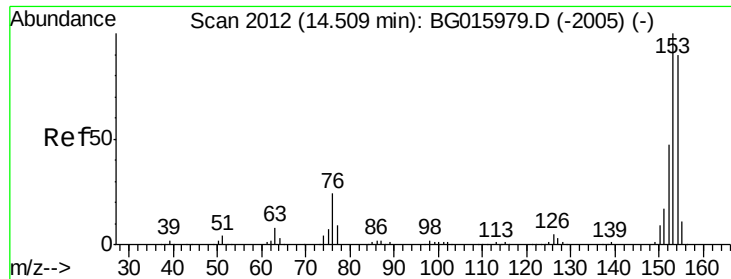
Tgt Ion:162 Resp: 503405
Ion Ratio Lower Upper
162 100
164 34.9 26.2 39.4
127 39.2 31.0 46.6



#44
Dimethylphthalate
Concen: 4.18 ng/ul
RT: 13.90 min Scan# 1909
Delta R.T. -0.00 min
Lab File: BG015983.D
Acq: 11 Feb 2015 13:55

Tgt Ion:163 Resp: 46948
Ion Ratio Lower Upper
163 100
194 6.4 5.2 7.8
164 10.2 8.0 12.0





#49

Acenaphthene

Concen: 31.38 ng/ul

RT: 14.51 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

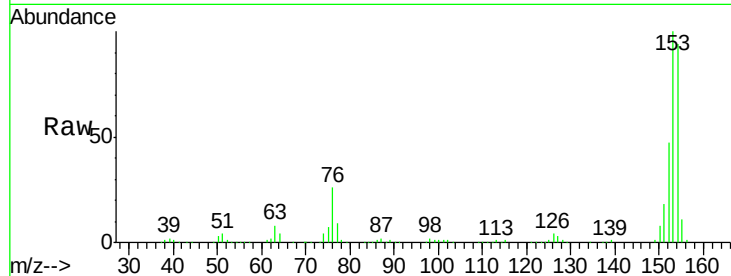
Tgt Ion:153 Resp: 316864

Ion Ratio Lower Upper

153 100

152 47.2 38.6 58.0

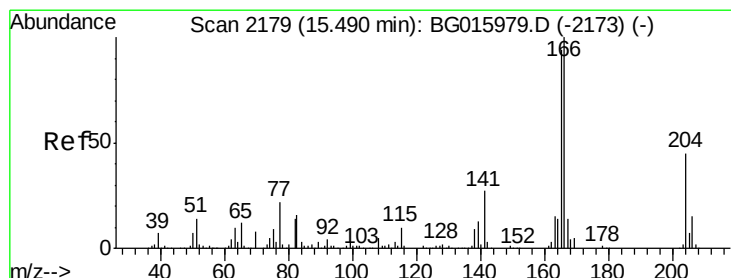
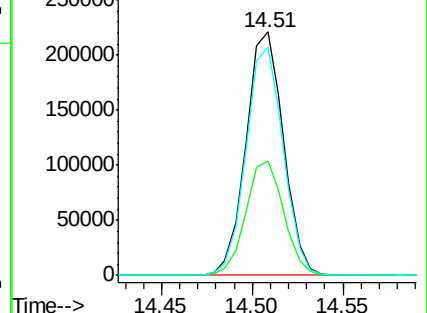
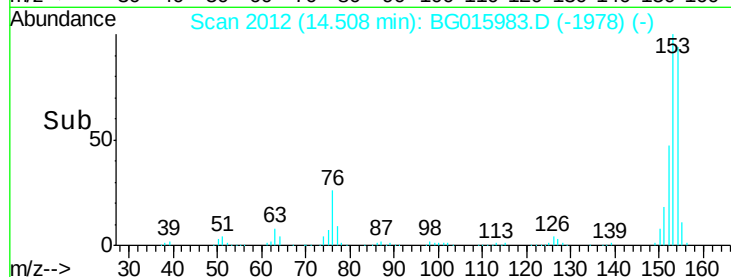
154 93.8 71.8 107.6



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



#58

Fluorene

Concen: 34.74 ng/ul

RT: 15.49 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

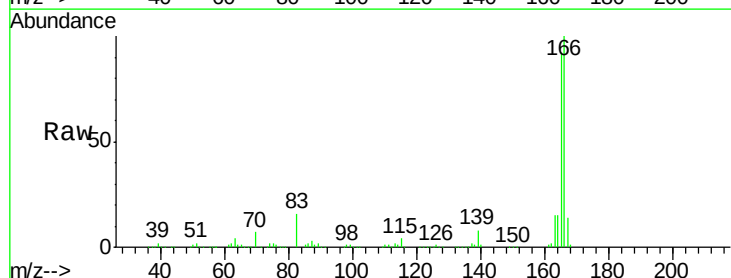
Tgt Ion:166 Resp: 412131

Ion Ratio Lower Upper

166 100

165 91.8 73.3 109.9

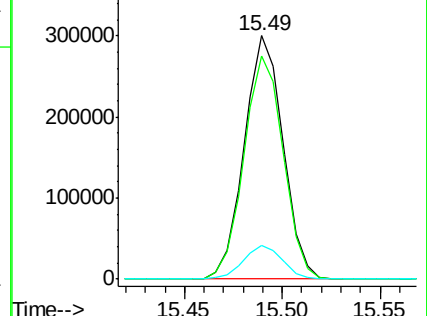
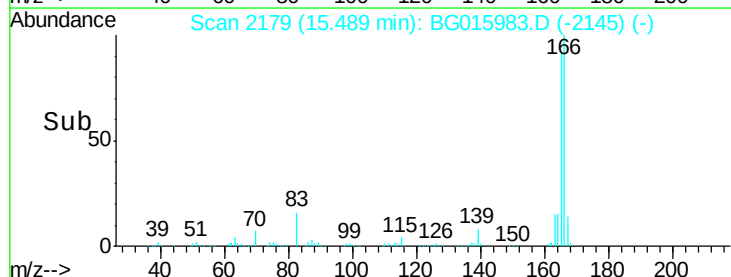
167 13.9 11.1 16.7

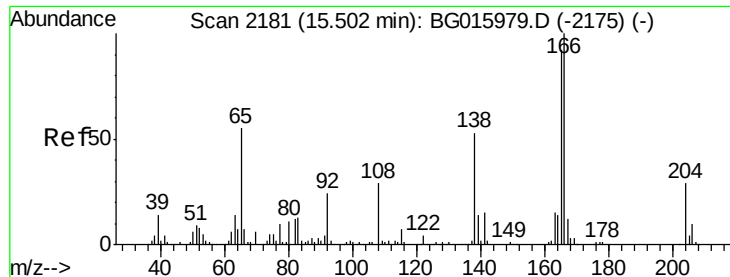


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

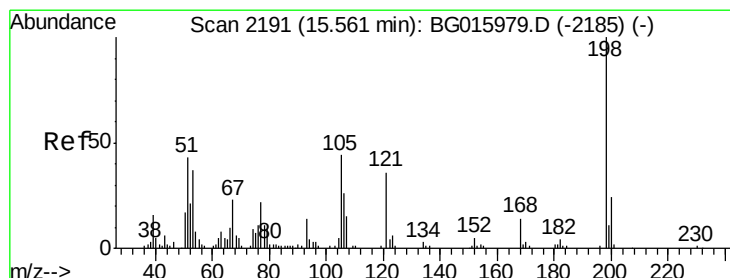
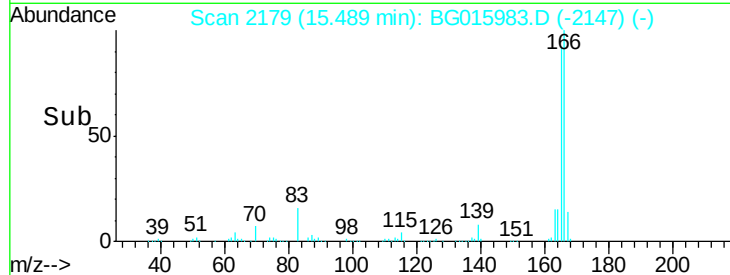
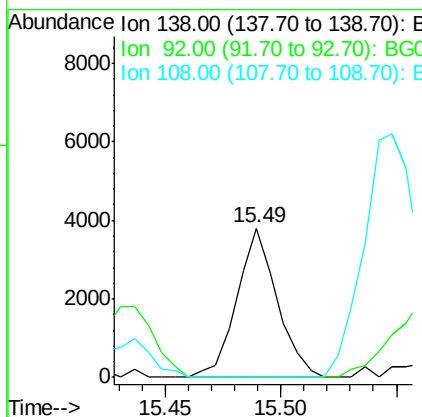
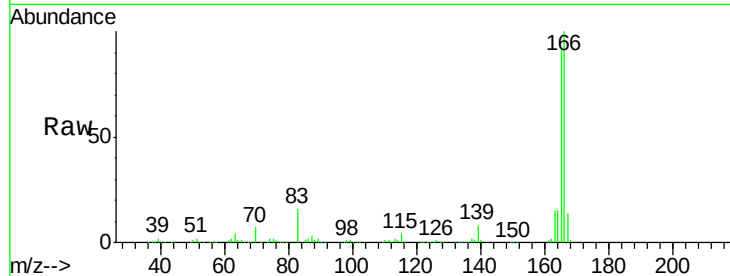




#60
 4-Nitroaniline
 Concen: 1.41 ng/ul
 RT: 15.49 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

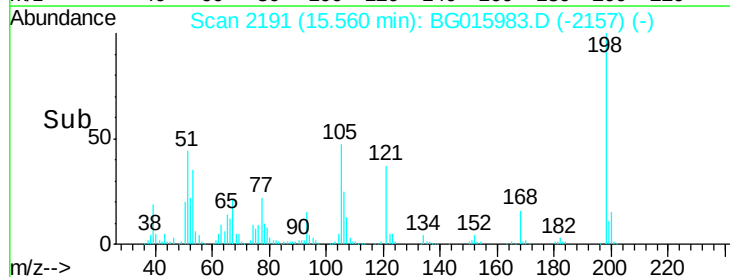
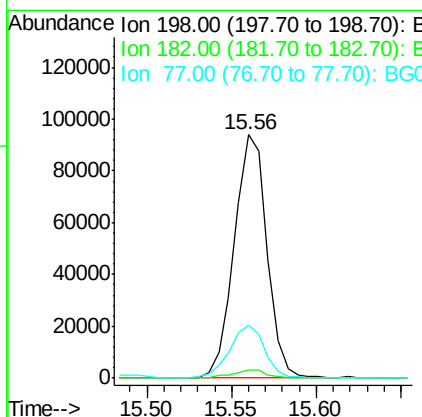
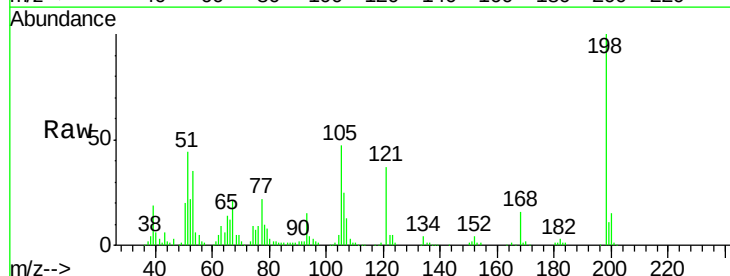
Instrument :
 BNA_G
 ClientSampleId :
 X1H38

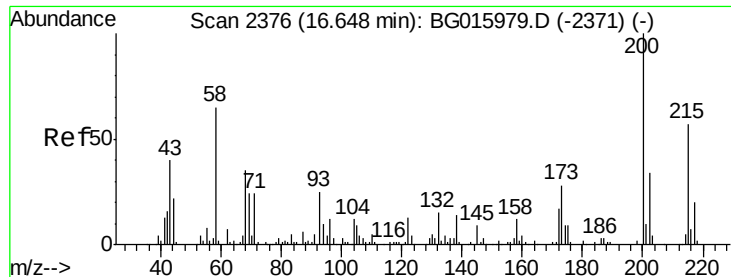
Tgt Ion:138 Resp: 4627
 Ion Ratio Lower Upper
 138 100
 92 0.0 36.6 54.8#
 108 0.0 43.8 65.8#



#63
 4,6-Dinitro-2-methylphenol
 Concen: 60.71 ng/ul
 RT: 15.56 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

Tgt Ion:198 Resp: 126826
 Ion Ratio Lower Upper
 198 100
 182 3.5 2.2 3.4#
 77 21.6 17.1 25.7

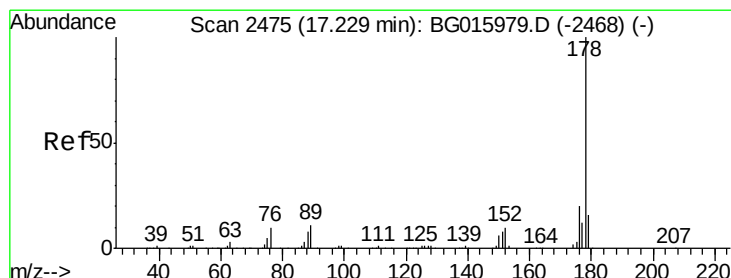
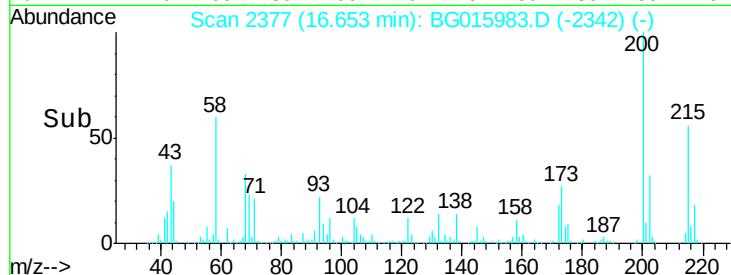
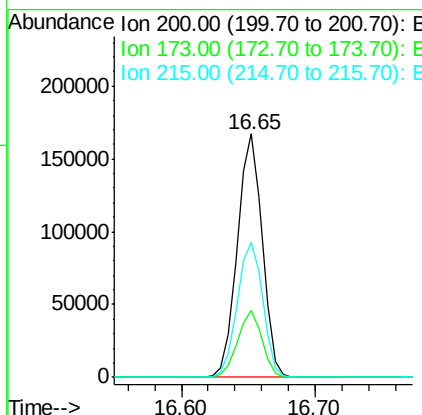
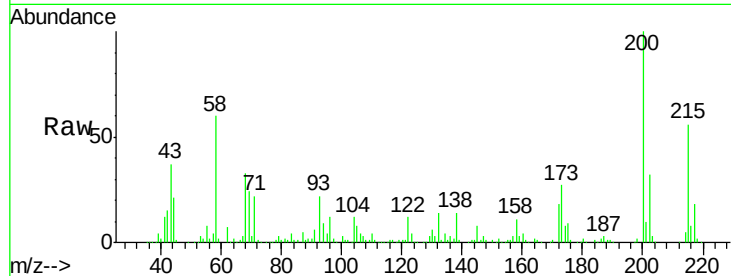




#67
 Atrazine
 Concen: 59.93 ng/ul
 RT: 16.65 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

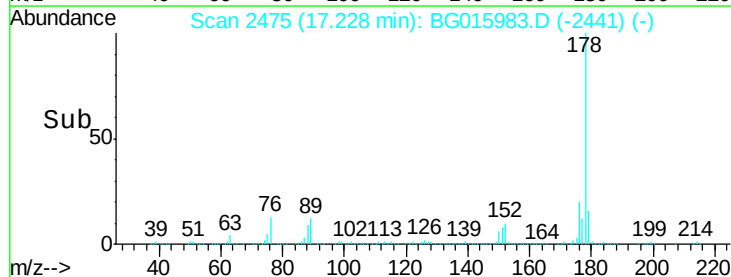
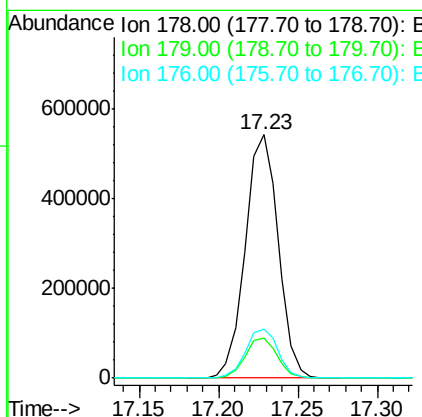
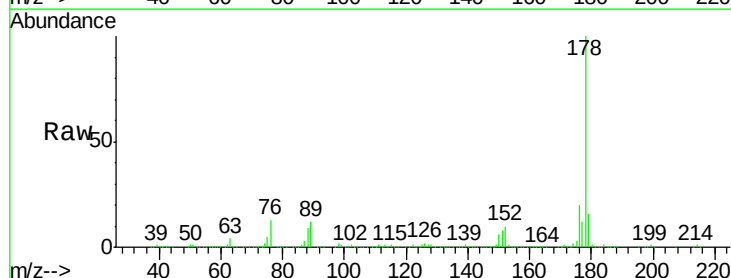
Instrument :
 BNA_G
 ClientSampleId :
 X1H38

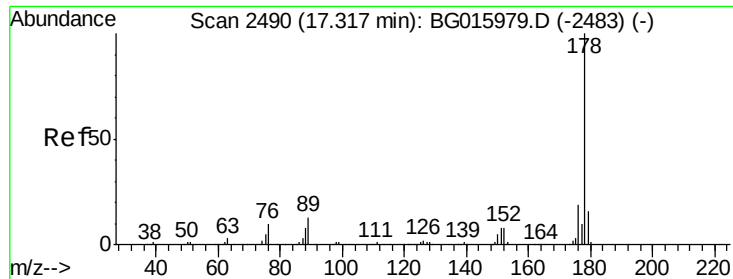
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.4	20.9	31.3
215	55.5	43.4	65.2



#69
 Phenanthrene
 Concen: 42.85 ng/ul
 RT: 17.23 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.0	19.6
176	20.2	15.4	23.2

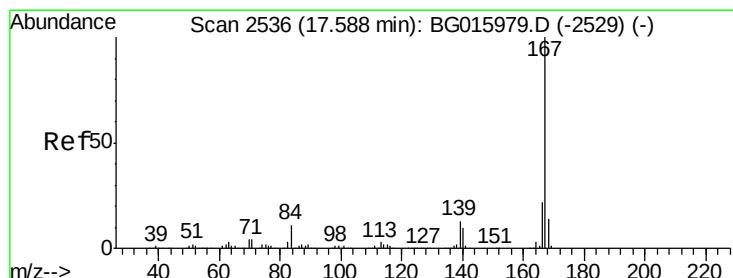
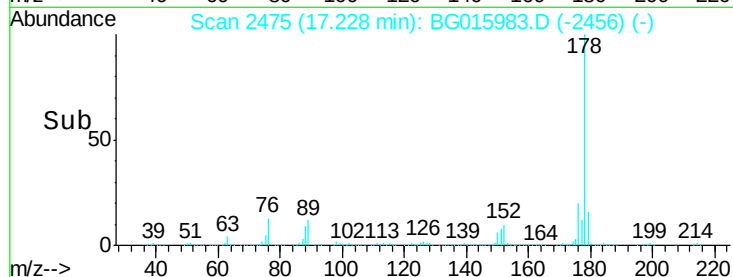
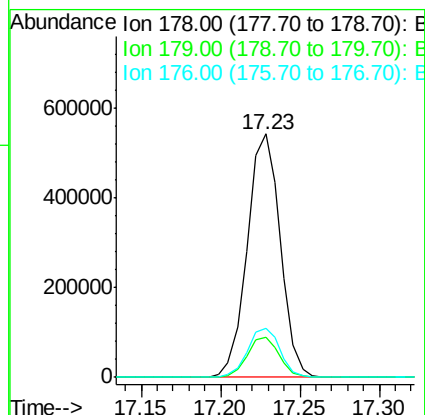
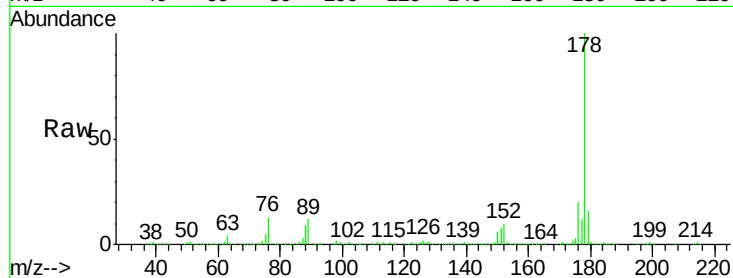




#71
 Anthracene
 Concen: 41.56 ng/ul
 RT: 17.23 min Scan# 2475
 Delta R.T. -0.09 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

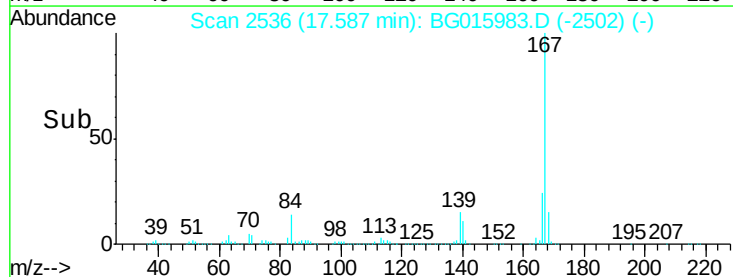
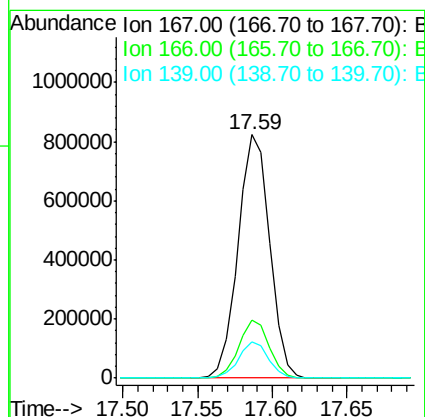
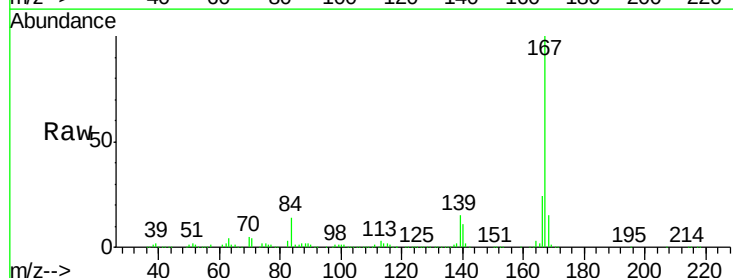
Instrument :
 BNA_G
 ClientSampleId :
 X1H38

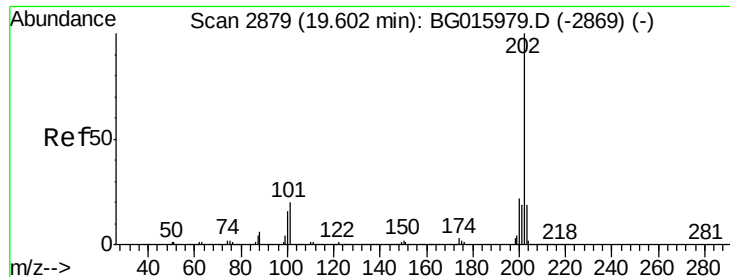
Tgt Ion:178 Resp: 781540
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 19.0
 176 20.2 15.3 22.9



#72
 Carbazole
 Concen: 66.59 ng/ul
 RT: 17.59 min Scan# 2536
 Delta R.T. -0.00 min
 Lab File: BG015983.D
 Acq: 11 Feb 2015 13:55

Tgt Ion:167 Resp: 1208879
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 14.9 10.9 16.3





#77

Pyrene

Concen: 56.37 ng/ul

RT: 19.61 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

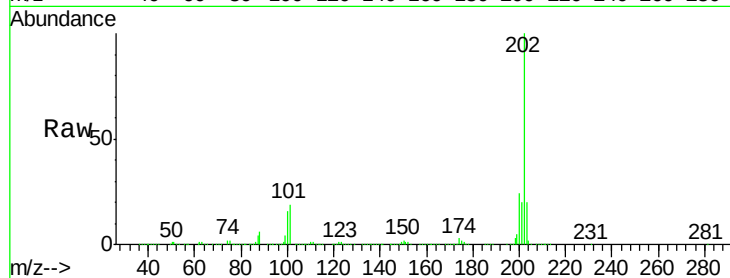
Tgt Ion:202 Resp: 1196646

Ion Ratio Lower Upper

202 100

101 19.5 14.9 22.3

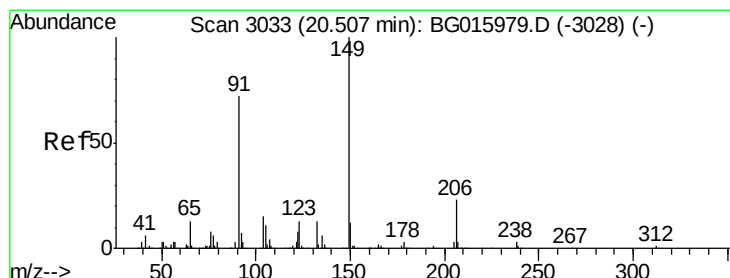
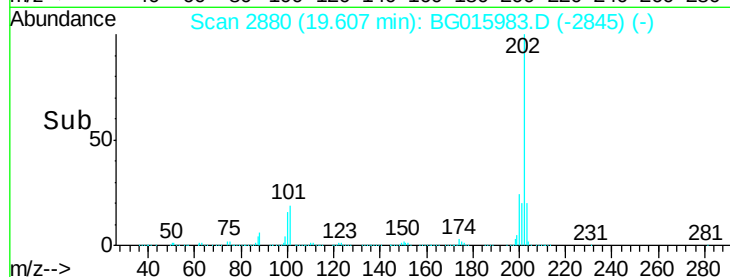
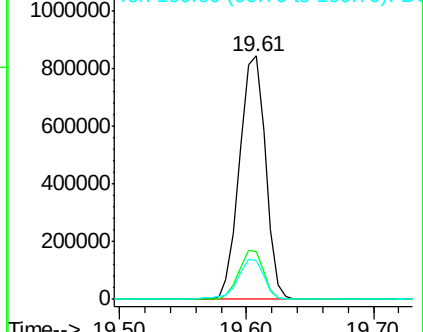
100 15.9 12.2 18.4



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



#78

Butylbenzylphthalate

Concen: 58.22 ng/ul

RT: 20.51 min Scan# 3033

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

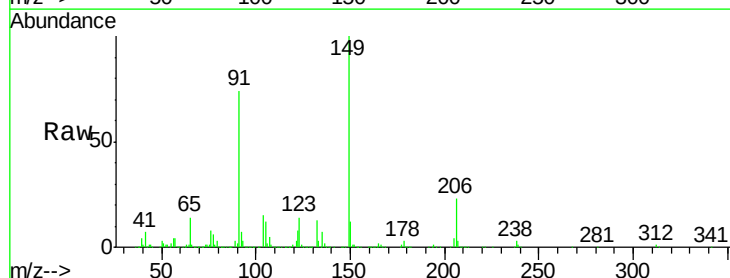
Tgt Ion:149 Resp: 559562

Ion Ratio Lower Upper

149 100

91 74.4 57.2 85.8

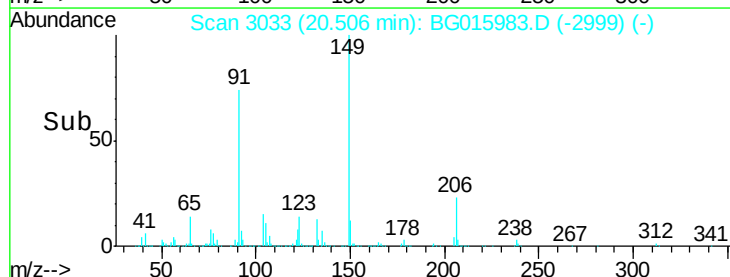
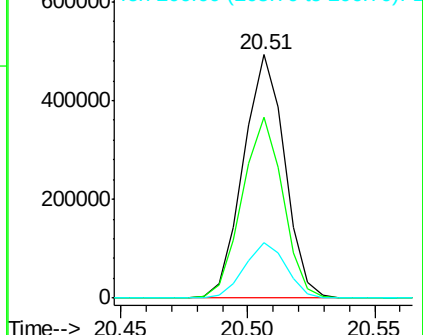
206 23.0 18.4 27.6

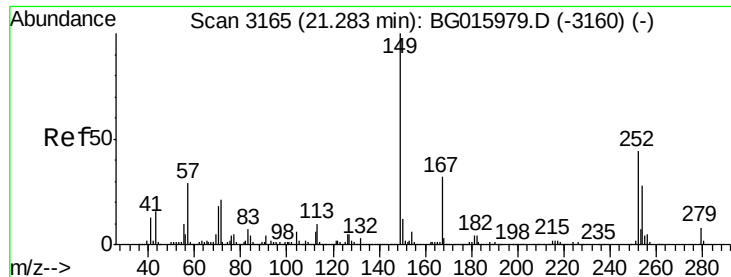


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 53.84 ng/ul

RT: 21.28 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

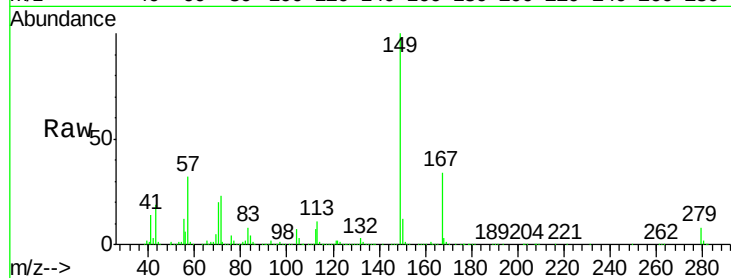
Tgt Ion:149 Resp: 684955

Ion Ratio Lower Upper

149 100

167 34.2 26.6 39.8

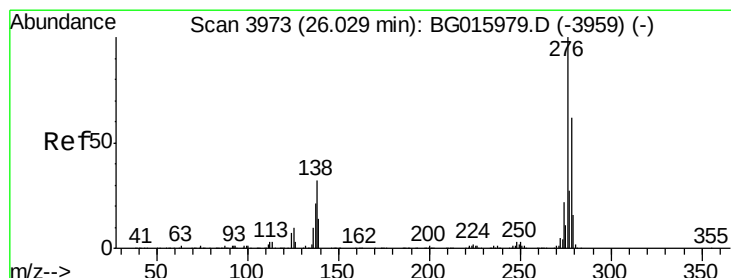
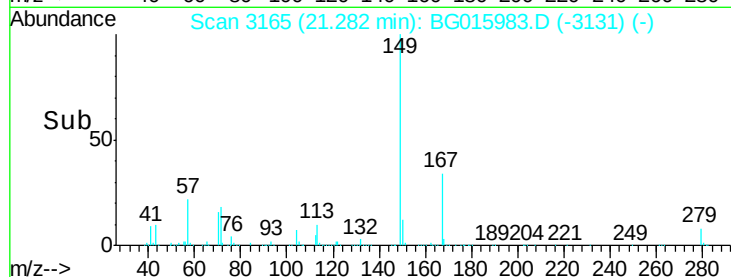
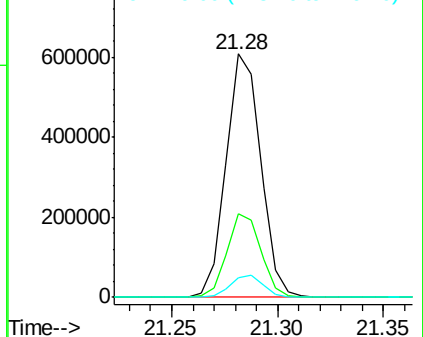
279 8.3 6.7 10.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 62.03 ng/ul

RT: 26.04 min Scan# 3975

Delta R.T. 0.01 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

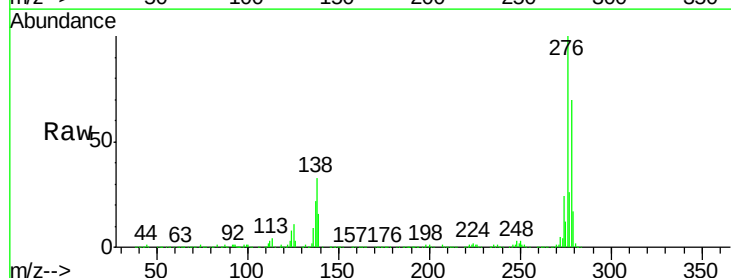
Tgt Ion:276 Resp: 1363118

Ion Ratio Lower Upper

276 100

138 32.9 24.6 36.8

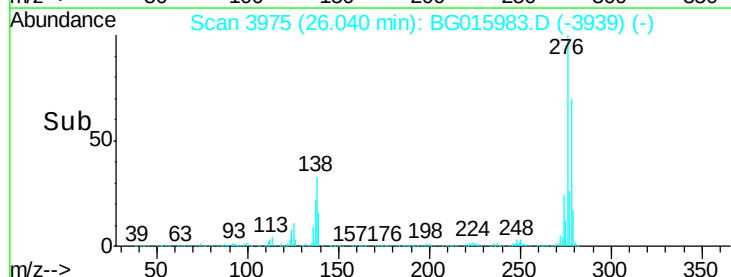
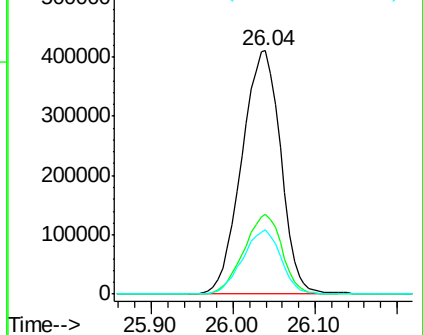
277 26.4 19.8 29.8

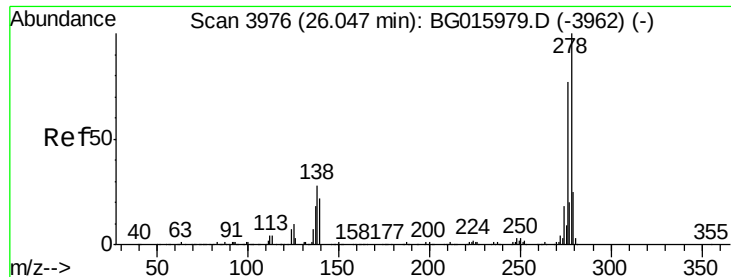


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 49.58 ng/ul

RT: 26.05 min Scan# 3977

Delta R.T. 0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

Instrument :

BNA_G

ClientSampleId :

X1H38

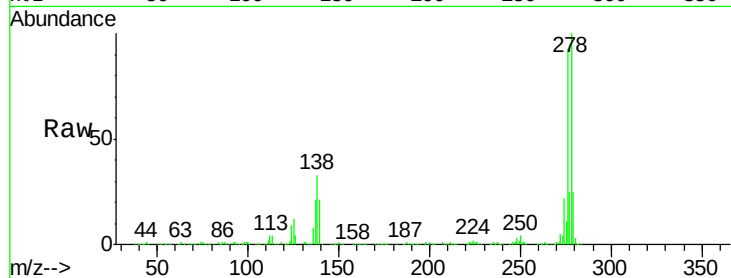
Tgt Ion:278 Resp: 917087

Ion Ratio Lower Upper

278 100

139 21.2 15.9 23.9

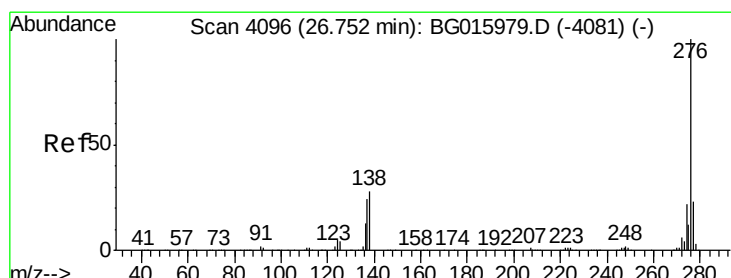
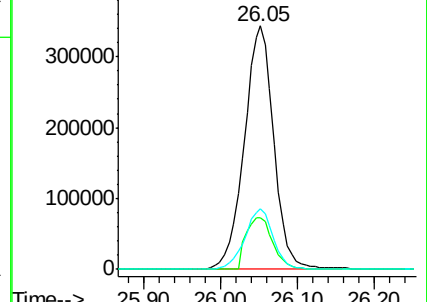
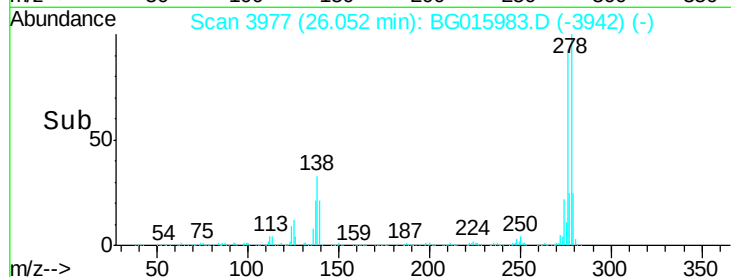
279 24.6 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 46.82 ng/ul

RT: 26.76 min Scan# 4097

Delta R.T. 0.00 min

Lab File: BG015983.D

Acq: 11 Feb 2015 13:55

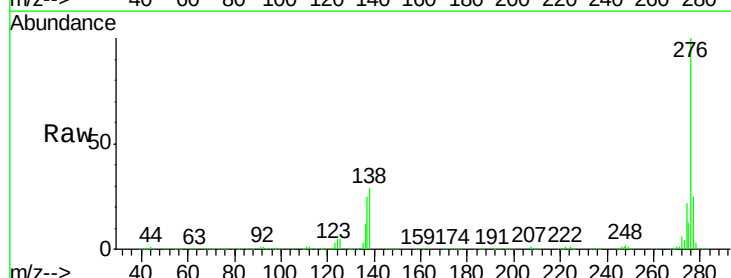
Tgt Ion:276 Resp: 858584

Ion Ratio Lower Upper

276 100

138 28.6 21.5 32.3

277 24.7 18.9 28.3



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

