

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021115\
 Data File : BG015984.D
 Acq On : 11 Feb 2015 16:02
 Operator : TP/IZ
 Sample : G1227-07DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X1H38DL

Quant Time: Feb 11 23:17:21 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	7.82	152	51517	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	248589	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	159974	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	349720	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	390270	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	370977	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	91109	17.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	53156	17.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	65945	17.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	70122	17.85	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	36039	17.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	34548	16.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	65800	17.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	91641	20.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	216041	20.11	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	275456	18.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	45232	16.93	ng/ul	0.00
57) Fluorene-d10	15.44	176	203733	19.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	23621	12.02	ng/ul	0.00
70) Anthracene-d10	17.28	188	330718	20.59	ng/ul	0.00
76) Pyrene-d10	19.57	212	378543	21.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	352361	21.45	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.95	77	132464	78.02	ng/ul	96
6) Phenol	6.99	94	6943	1.30	ng/ul	97
10) 2-Chlorophenol	7.38	128	127002	33.12	ng/ul	99
14) Acetophenone	8.63	105	161960	28.09	ng/ul	100
16) 4-Methylphenol	8.56	108	111892	25.63	ng/ul	90
17) Hexachloroethane	8.89	117	37376	25.10	ng/ul	95
27) 2,4-Dichlorophenol	10.25	162	134431	37.06	ng/ul	99
28) Naphthalene	10.65	128	408086	31.55	ng/ul	100
32) Caprolactam	11.51	113	9322	4.87	ng/ul	95
34) 2-Methylnaphthalene	12.26	142	306024	32.93	ng/ul	98
41) 2-Chloronaphthalene	13.32	162	306576	34.09	ng/ul	99
44) Dimethylphthalate	13.90	163	27533	2.37	ng/ul#	97
49) Acenaphthene	14.51	153	195875	18.80	ng/ul	98
58) Fluorene	15.49	166	254189	20.77	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.56	198	68391	31.61	ng/ul#	97
67) Atrazine	16.65	200	127804	34.16	ng/ul	97
69) Phenanthrene	17.23	178	486299	25.75	ng/ul	99
72) Carbazole	17.59	167	752506	40.03	ng/ul	100
77) Pyrene	19.60	202	749405	32.99	ng/ul	98
78) Butylbenzylphthalate	20.51	149	336256	32.70	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.28	149	420549	30.89	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.03	276	821986	33.95	ng/ul	99
90) Dibenzo(a,h)anthracene	26.04	278	549754	26.98	ng/ul	97

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Quant Title : SVOA CALIBRATION
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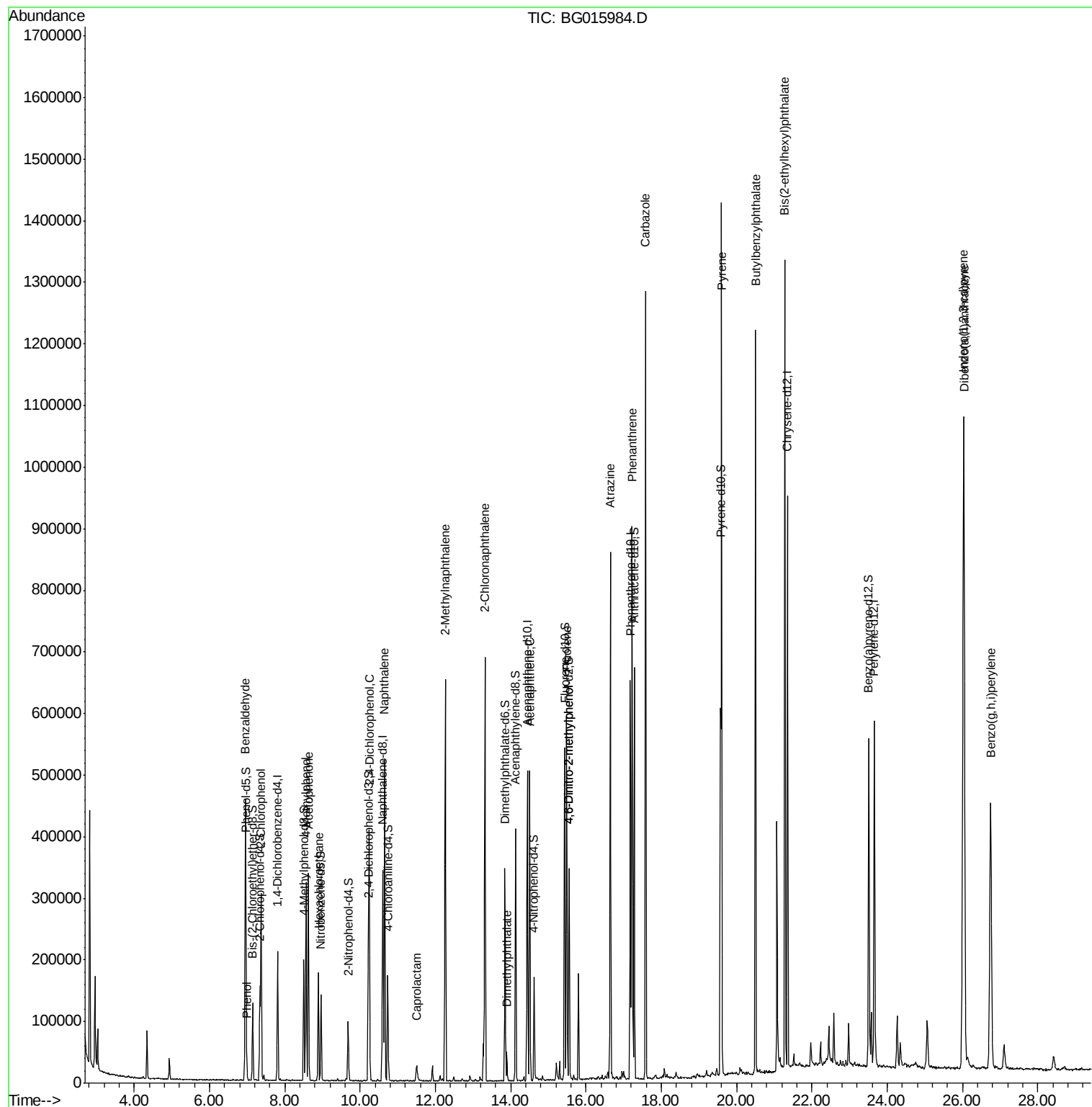
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.75	276	514082	25.44	ng/ul	98

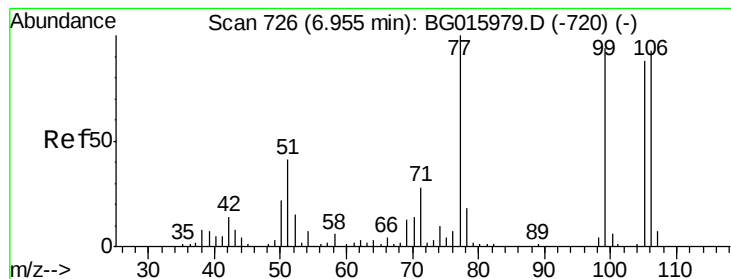
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 78.02 ng/ul

RT: 6.95 min Scan# 726

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

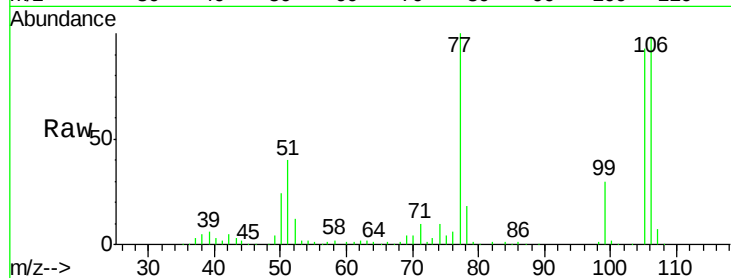
Tgt Ion: 77 Resp: 132464

Ion Ratio Lower Upper

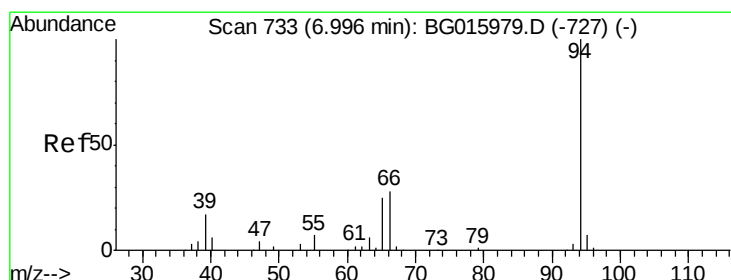
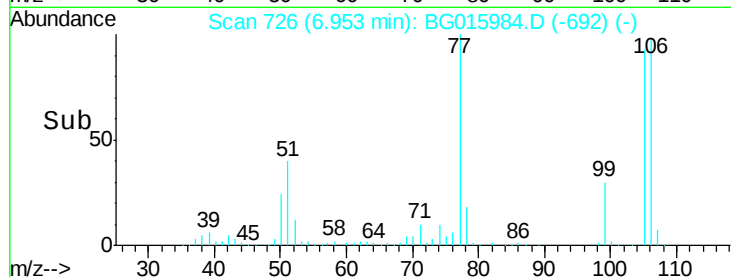
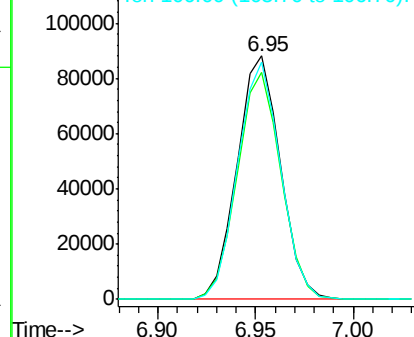
77 100

105 88.5 76.6 115.0

106 92.6 74.8 112.2



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



#6

Phenol

Concen: 1.30 ng/ul

RT: 6.99 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

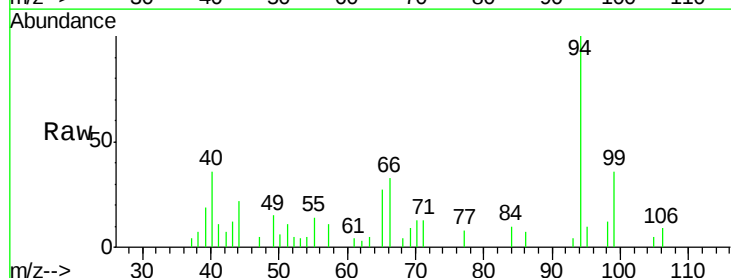
Tgt Ion: 94 Resp: 6943

Ion Ratio Lower Upper

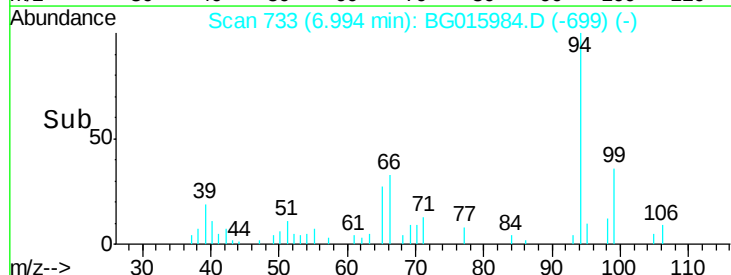
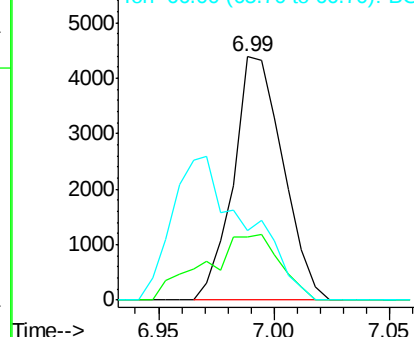
94 100

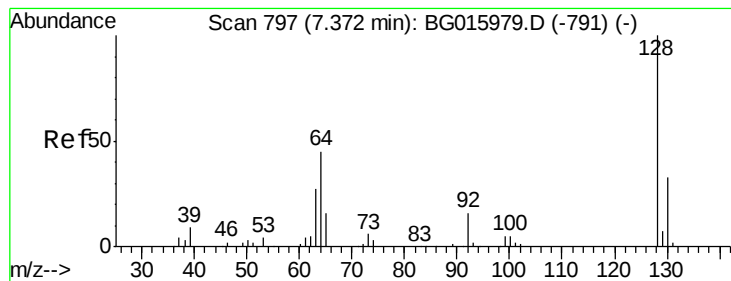
65 23.5 21.0 31.6

66 30.5 24.4 36.6



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





#10

2-Chlorophenol

Concen: 33.12 ng/ul

RT: 7.38 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampled :

X1H38DL

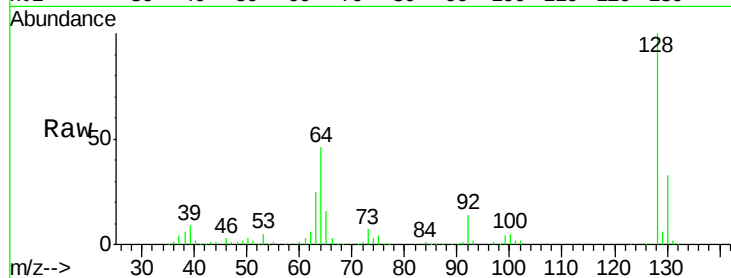
Tgt Ion:128 Resp: 127002

Ion Ratio Lower Upper

128 100

64 49.0 38.9 58.3

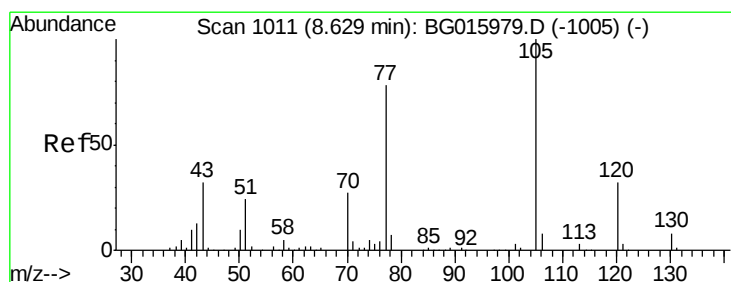
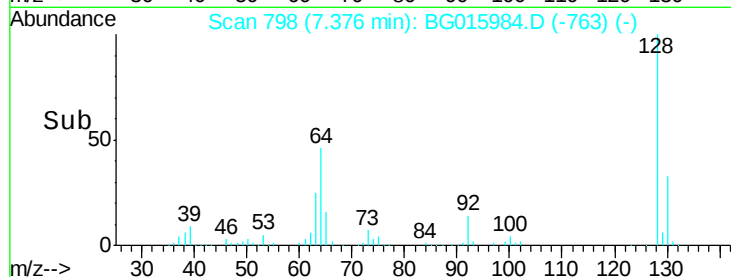
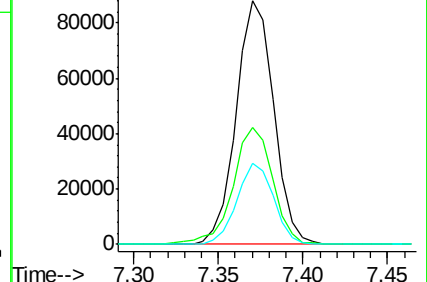
130 32.0 26.3 39.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 130.00 (129.70 to 130.70): E



#14

Acetophenone

Concen: 28.09 ng/ul

RT: 8.63 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

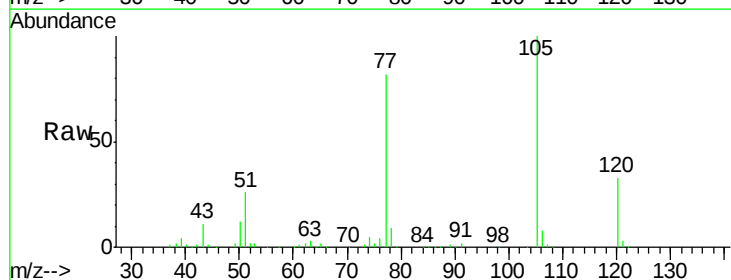
Tgt Ion:105 Resp: 161960

Ion Ratio Lower Upper

105 100

77 82.0 65.4 98.0

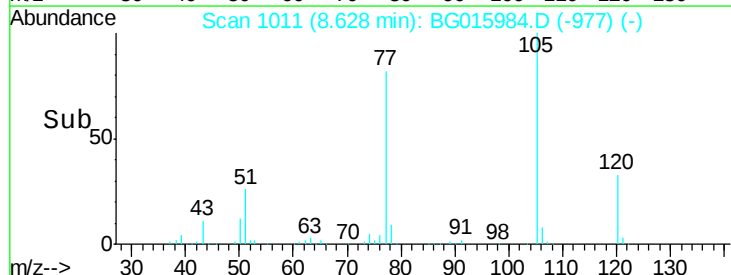
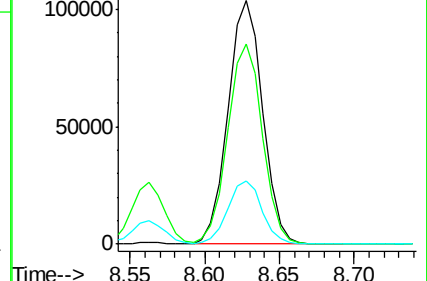
51 26.3 20.8 31.2

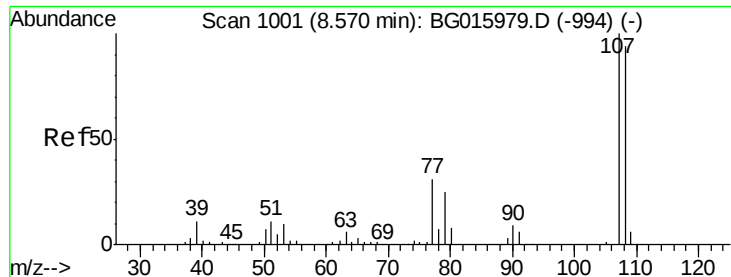


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 51.00 (50.70 to 51.70): BG

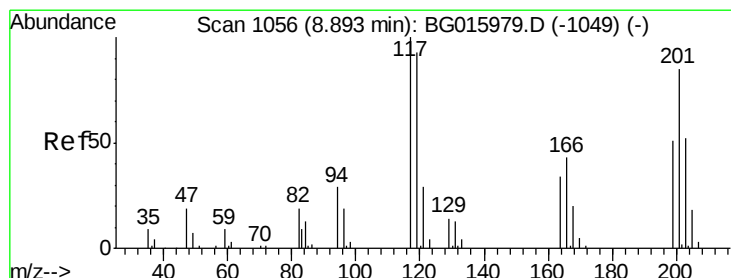
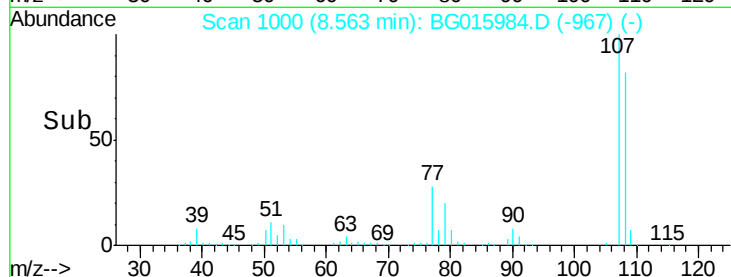
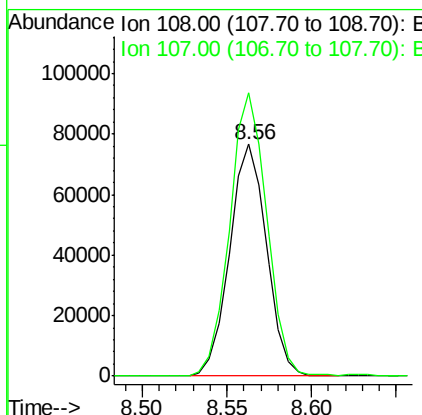
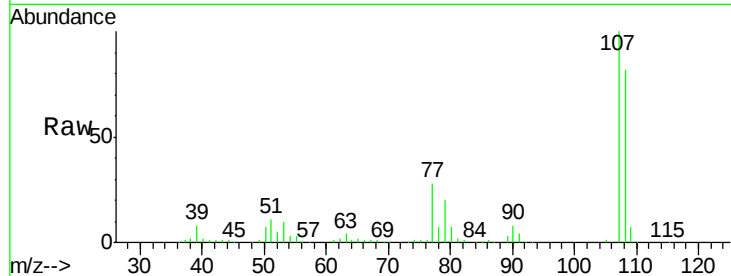




#16
4-Methylphenol
Concen: 25.63 ng/ul
RT: 8.56 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BG015984.D
Acq: 11 Feb 2015 16:02

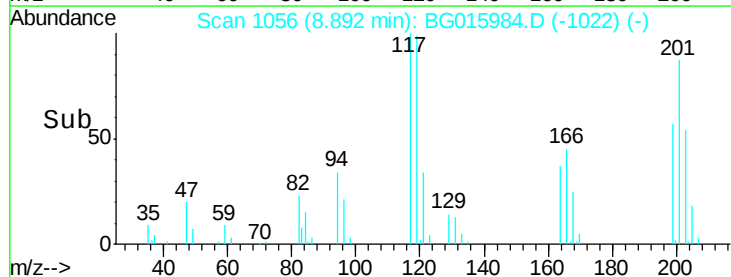
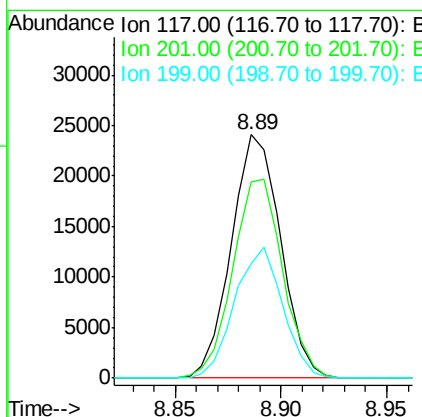
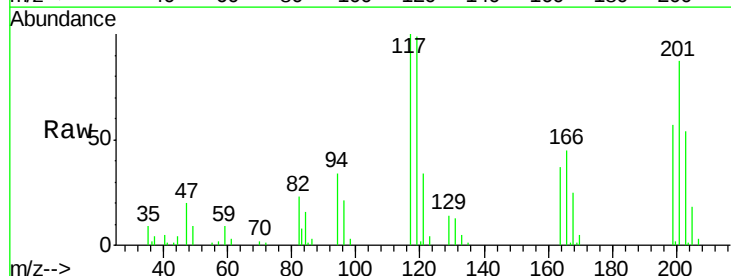
Instrument :
BNA_G
ClientSampleId :
X1H38DL

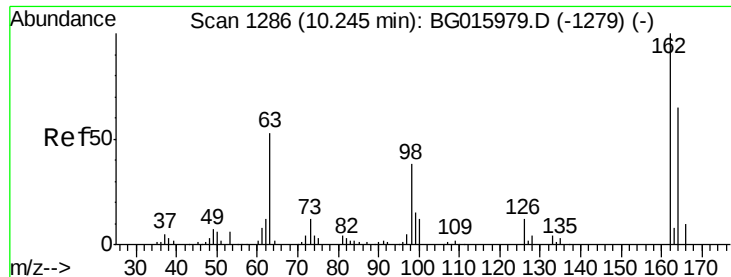
Tgt Ion:108 Resp: 111892
Ion Ratio Lower Upper
108 100
107 120.6 88.4 132.6



#17
Hexachloroethane
Concen: 25.10 ng/ul
RT: 8.89 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BG015984.D
Acq: 11 Feb 2015 16:02

Tgt Ion:117 Resp: 37376
Ion Ratio Lower Upper
117 100
201 81.9 64.0 96.0
199 53.2 38.0 57.0

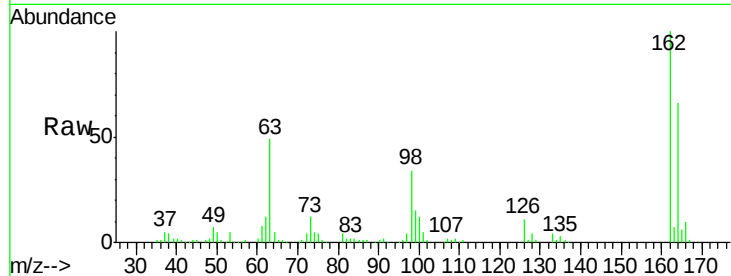




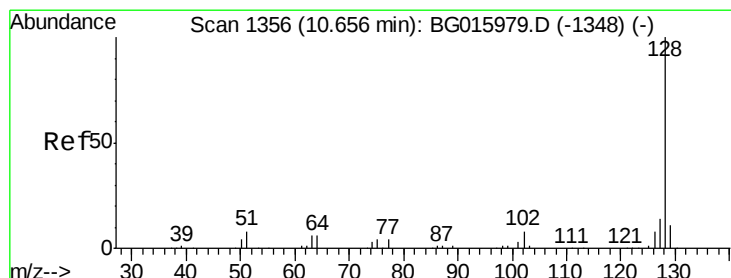
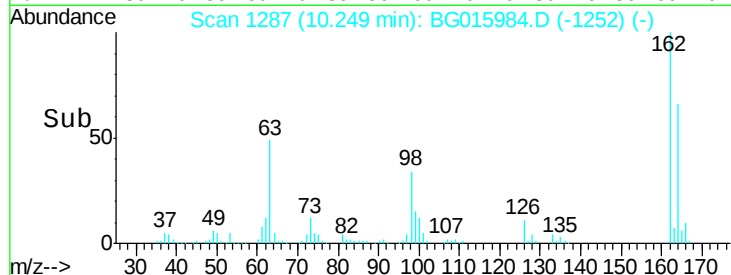
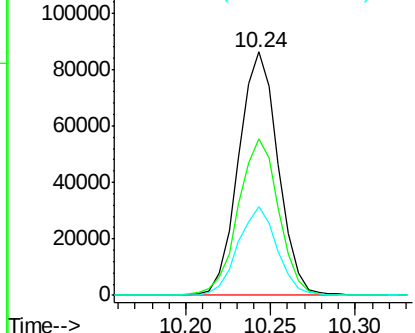
#27
 2,4-Dichlorophenol
 Concen: 37.06 ng/ul
 RT: 10.25 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

Instrument :
 BNA_G
 ClientSampleId :
 X1H38DL

Tgt Ion:162 Resp: 134431
 Ion Ratio Lower Upper
 162 100
 164 66.0 52.2 78.4
 98 36.3 28.5 42.7

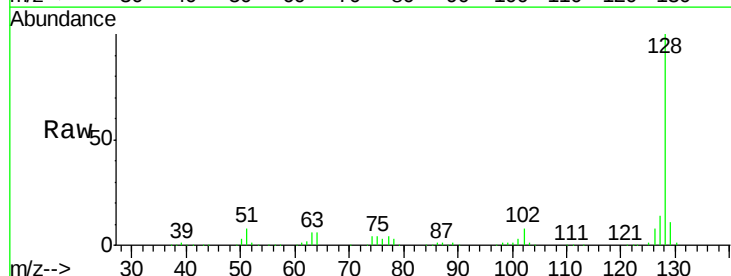


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

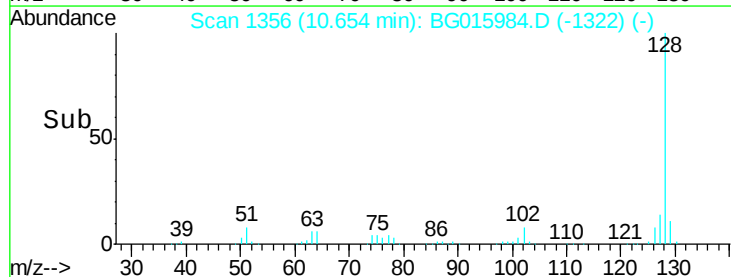
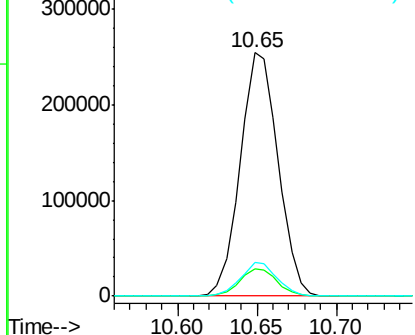


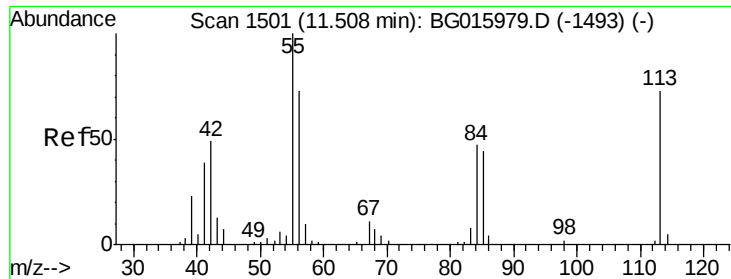
#28
 Naphthalene
 Concen: 31.55 ng/ul
 RT: 10.65 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

Tgt Ion:128 Resp: 408086
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.0 13.6
 127 13.2 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: 4.87 ng/ul

RT: 11.51 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

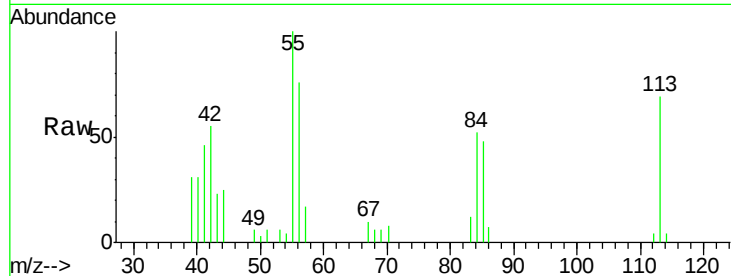
Tgt Ion:113 Resp: 9322

Ion Ratio Lower Upper

113 100

55 121.0 103.5 155.3

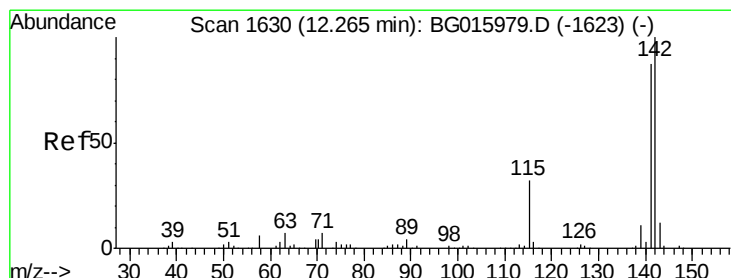
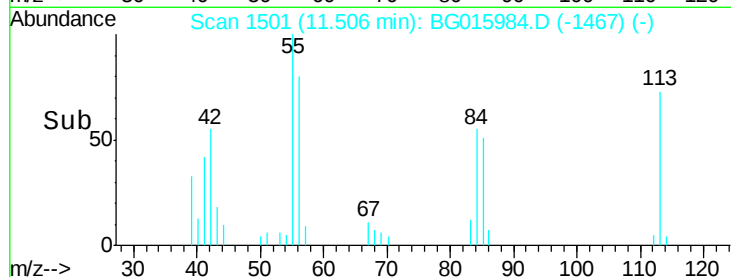
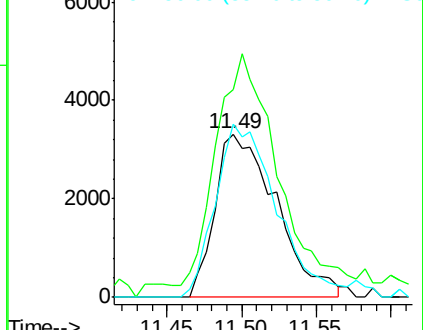
56 96.3 75.1 112.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG015979.D (-1493) (-)

Ion 56.00 (55.70 to 56.70): BG015979.D (-1493) (-)



#34

2-Methylnaphthalene

Concen: 32.93 ng/ul

RT: 12.26 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BG015984.D

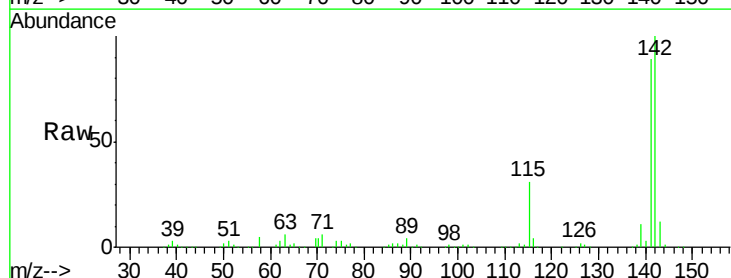
Acq: 11 Feb 2015 16:02

Tgt Ion:142 Resp: 306024

Ion Ratio Lower Upper

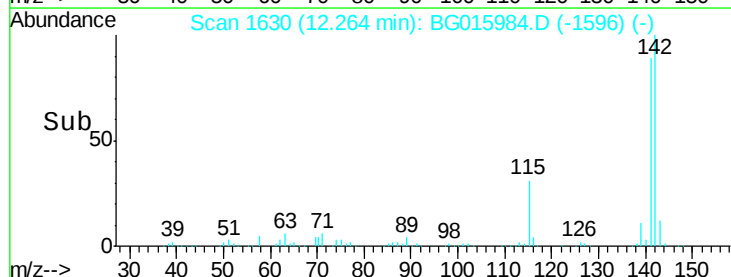
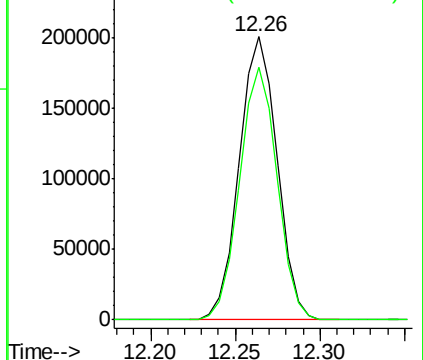
142 100

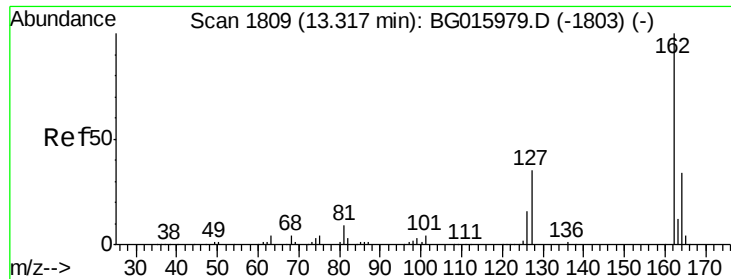
141 86.8 67.7 101.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

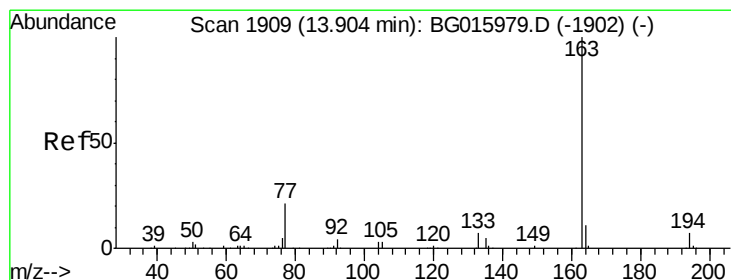
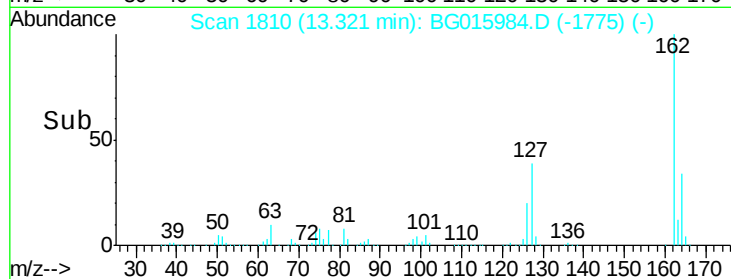
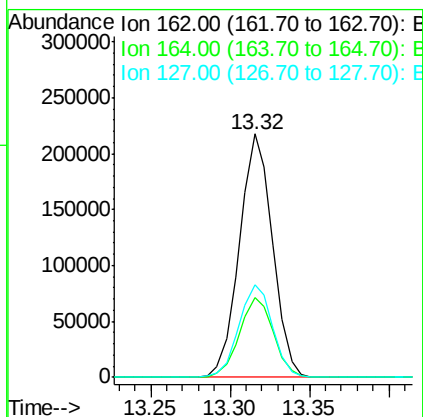
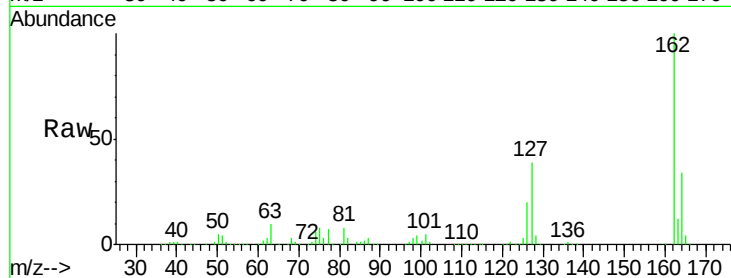




#41
 2-Chloronaphthalene
 Concen: 34.09 ng/ul
 RT: 13.32 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

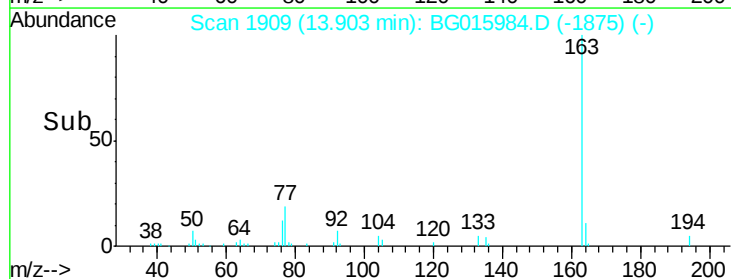
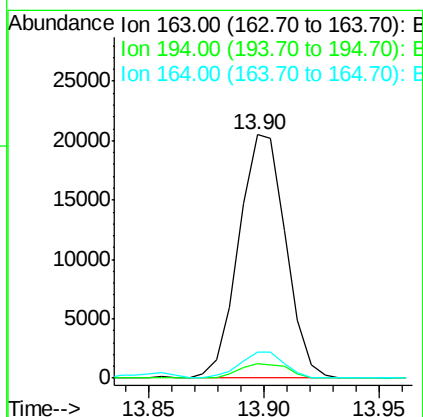
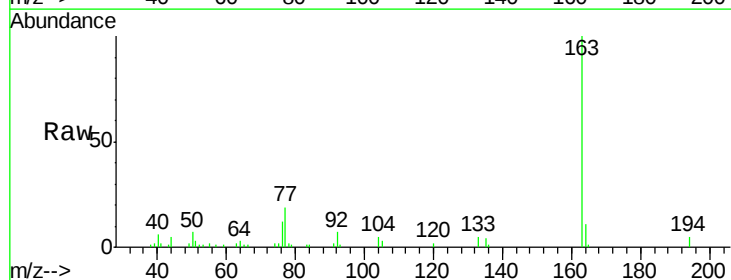
Instrument :
 BNA_G
 ClientSampleId :
 X1H38DL

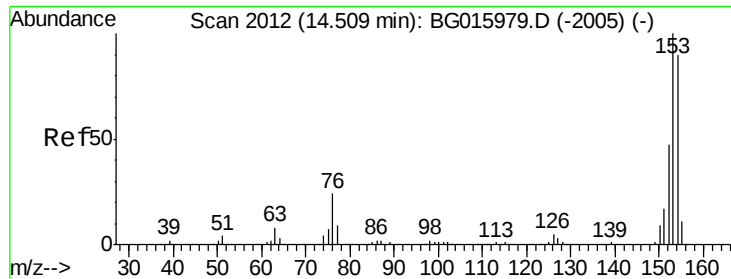
Tgt Ion	Ratio	Lower	Upper
162	100		
164	33.6	26.2	39.4
127	38.5	31.0	46.6



#44
 Dimethylphthalate
 Concen: 2.37 ng/ul
 RT: 13.90 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	5.2	7.8#
164	9.4	8.0	12.0





#49

Acenaphthene

Concen: 18.80 ng/u1

RT: 14.51 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

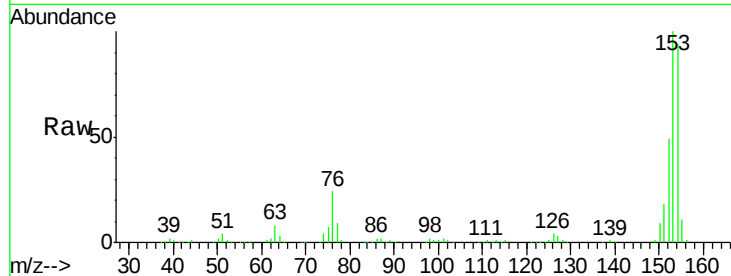
Tgt Ion:153 Resp: 195875

Ion Ratio Lower Upper

153 100

152 48.5 38.6 58.0

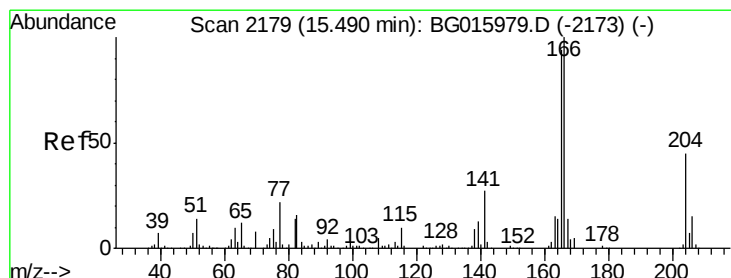
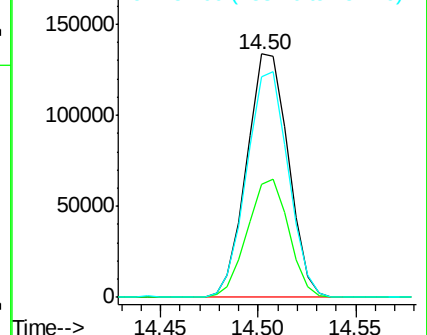
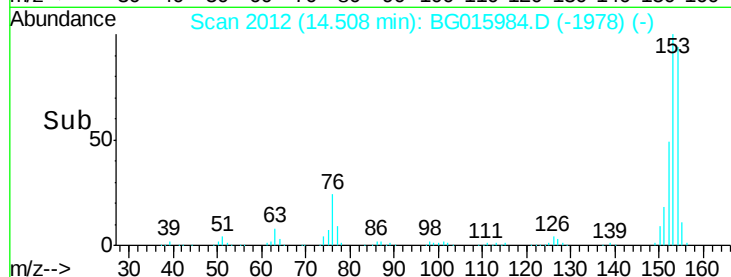
154 92.4 71.8 107.6



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: 20.77 ng/u1

RT: 15.49 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

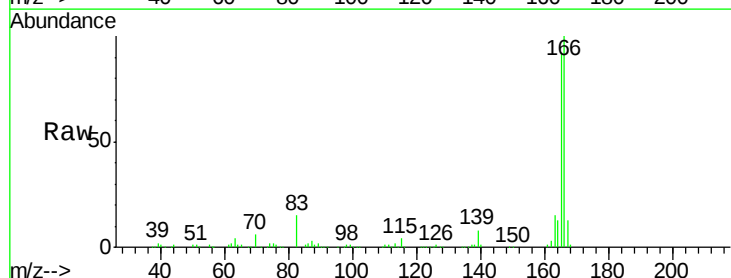
Tgt Ion:166 Resp: 254189

Ion Ratio Lower Upper

166 100

165 94.0 73.3 109.9

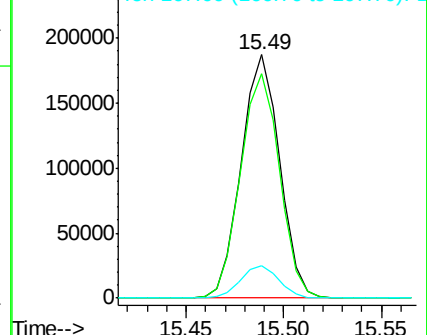
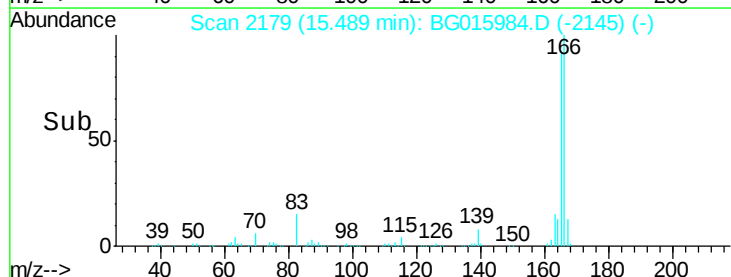
167 13.1 11.1 16.7

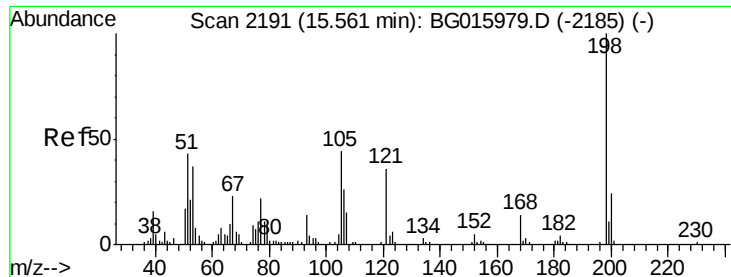


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

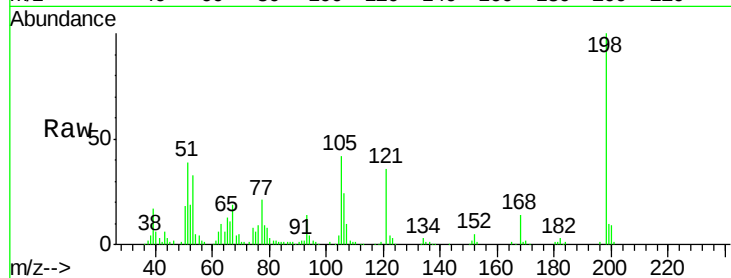




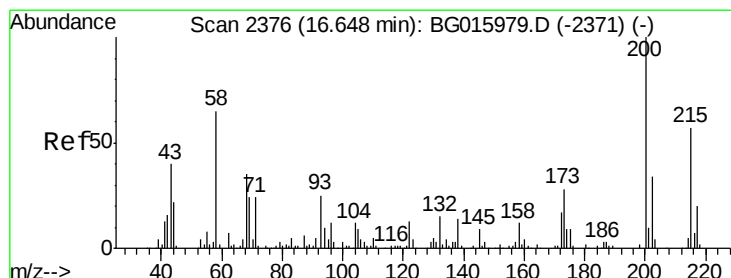
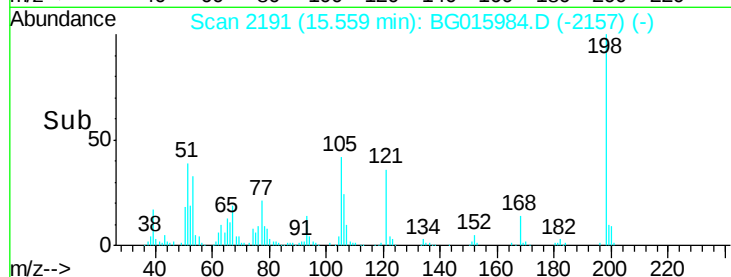
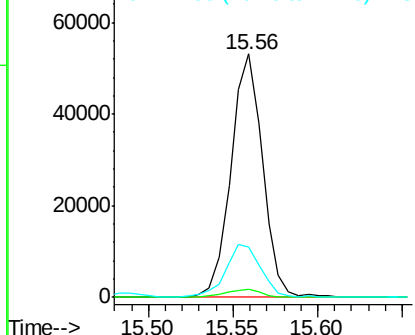
#63
4,6-Dinitro-2-methylphenol
Concen: 31.61 ng/ul
RT: 15.56 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BG015984.D
Acq: 11 Feb 2015 16:02

Instrument :
BNA_G
ClientSampleId :
X1H38DL

Tgt Ion:198 Resp: 68391
Ion Ratio Lower Upper
198 100
182 3.5 2.2 3.4#
77 23.1 17.1 25.7

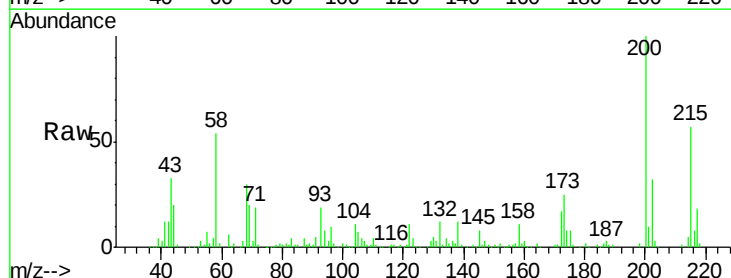


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): B

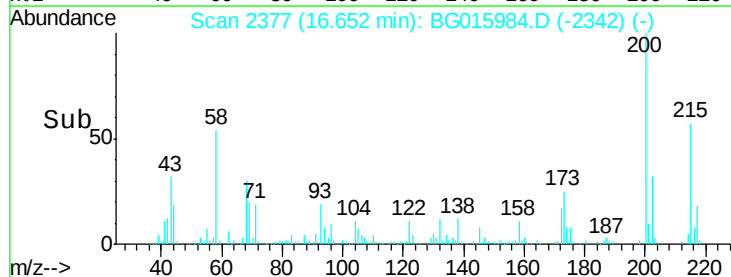
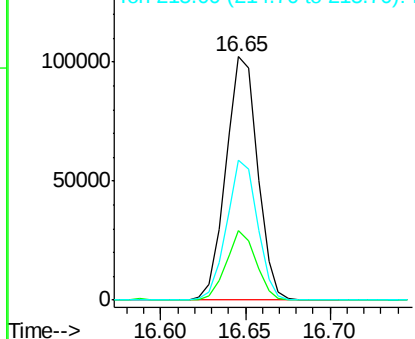


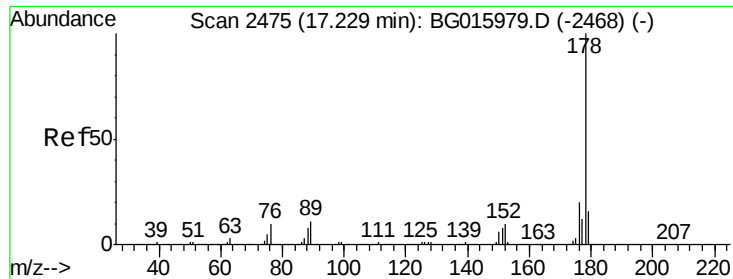
#67
Atrazine
Concen: 34.16 ng/ul
RT: 16.65 min Scan# 2377
Delta R.T. 0.00 min
Lab File: BG015984.D
Acq: 11 Feb 2015 16:02

Tgt Ion:200 Resp: 127804
Ion Ratio Lower Upper
200 100
173 27.9 20.9 31.3
215 56.4 43.4 65.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Phenanthrene

Concen: 25.75 ng/ul

RT: 17.23 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

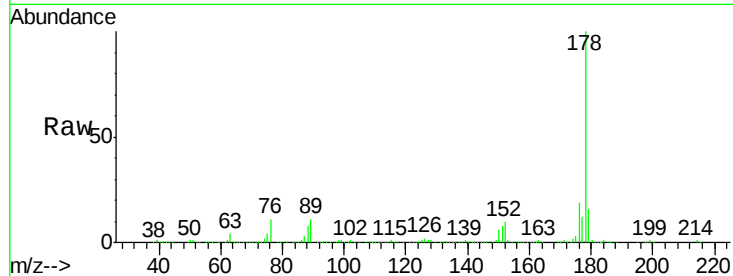
Tgt Ion:178 Resp: 486299

Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.6

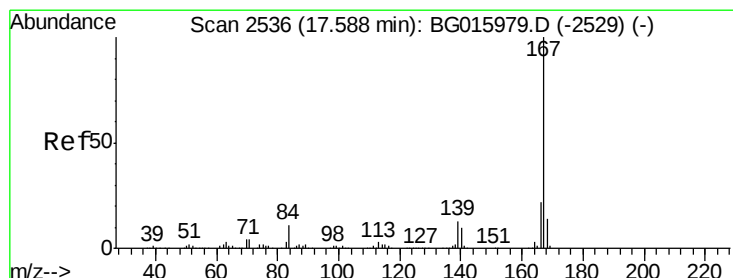
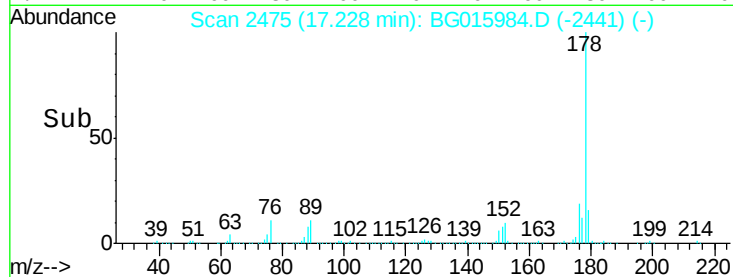
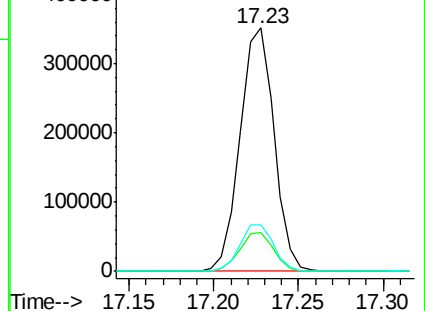
176 19.8 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 40.03 ng/ul

RT: 17.59 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

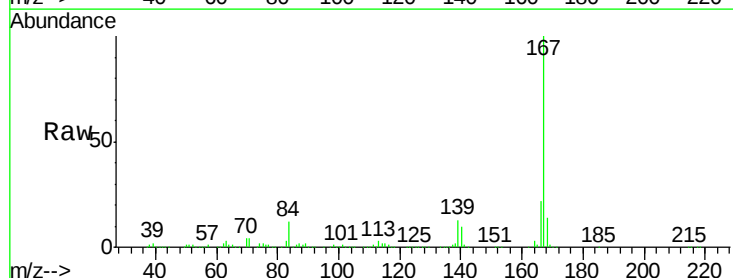
Tgt Ion:167 Resp: 752506

Ion Ratio Lower Upper

167 100

166 22.6 18.0 27.0

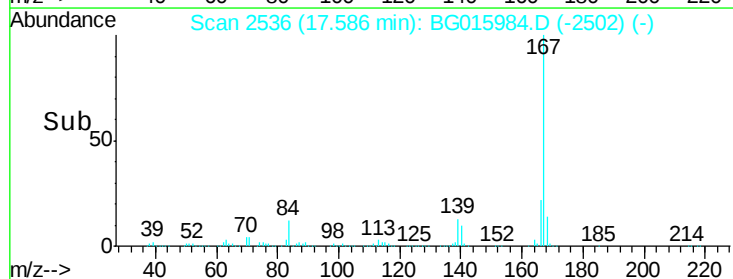
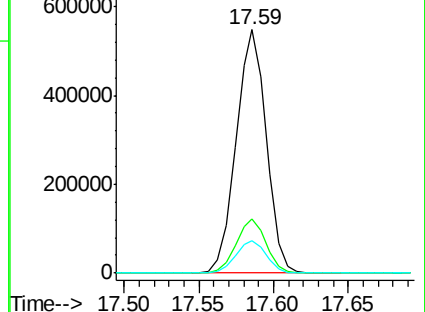
139 13.8 10.9 16.3

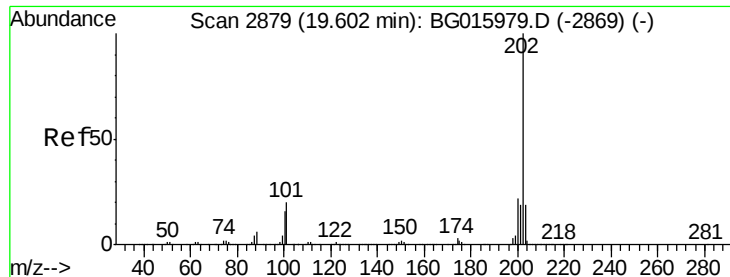


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Pyrene

Concen: 32.99 ng/ul

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

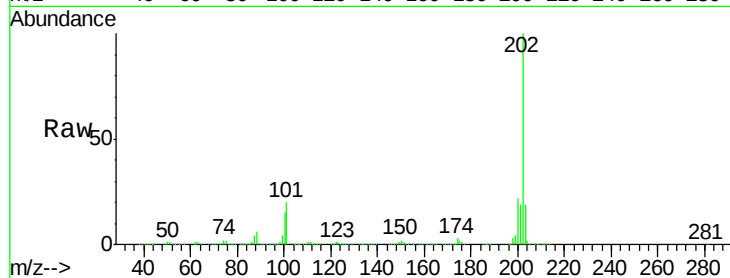
Tgt Ion:202 Resp: 749405

Ion Ratio Lower Upper

202 100

101 19.4 14.9 22.3

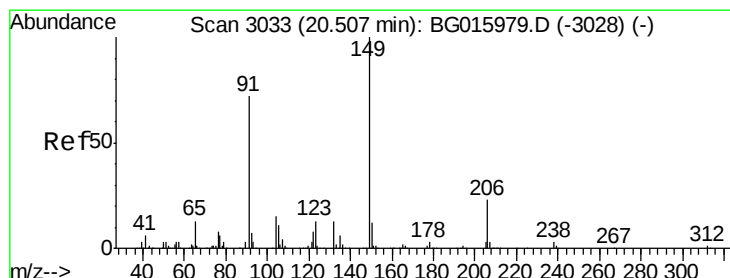
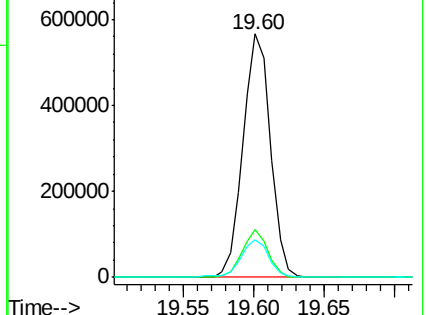
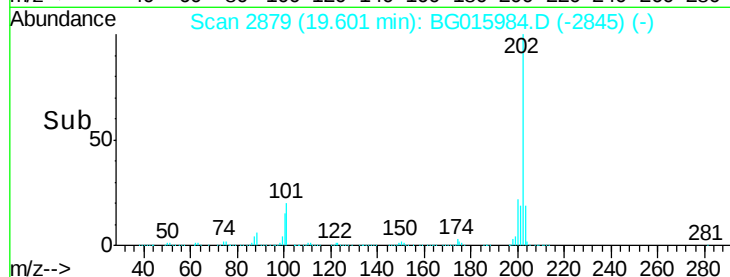
100 15.8 12.2 18.4



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: 32.70 ng/ul

RT: 20.51 min Scan# 3033

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

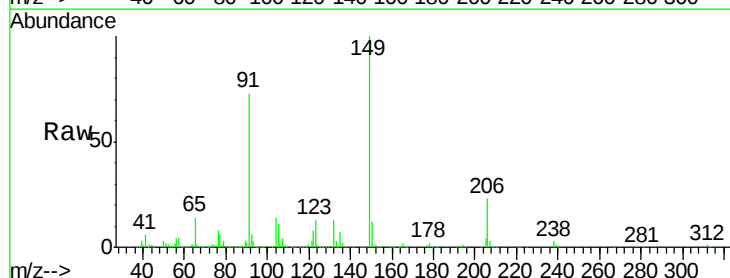
Tgt Ion:149 Resp: 336256

Ion Ratio Lower Upper

149 100

91 74.8 57.2 85.8

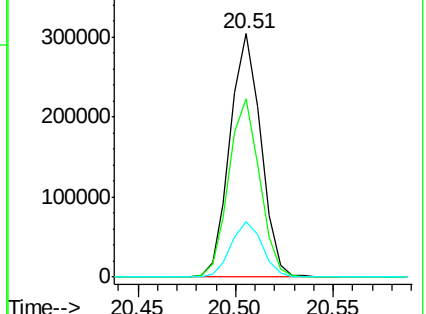
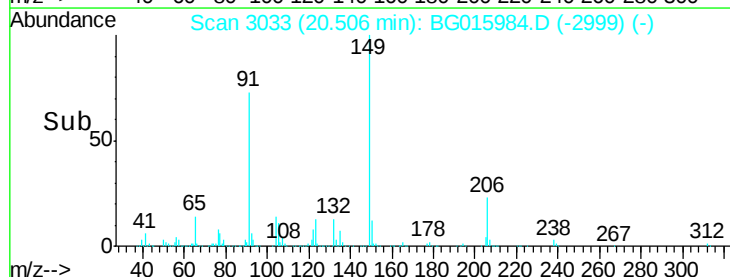
206 23.4 18.4 27.6

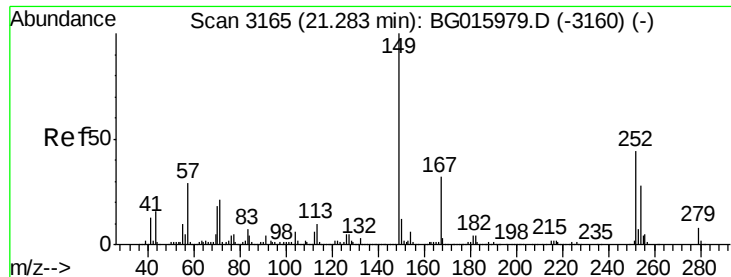


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

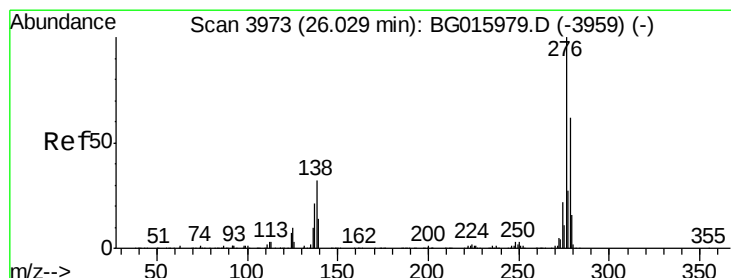
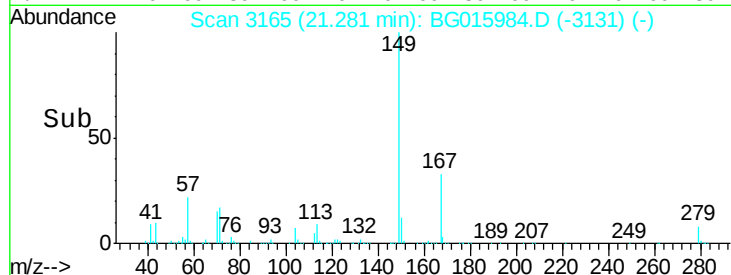
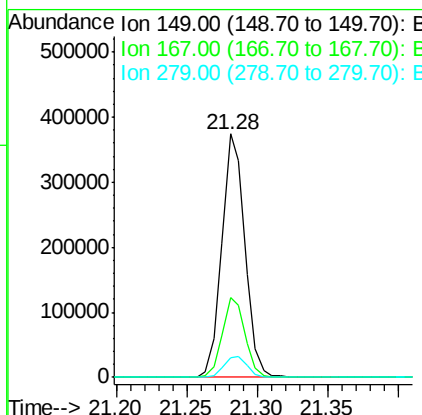
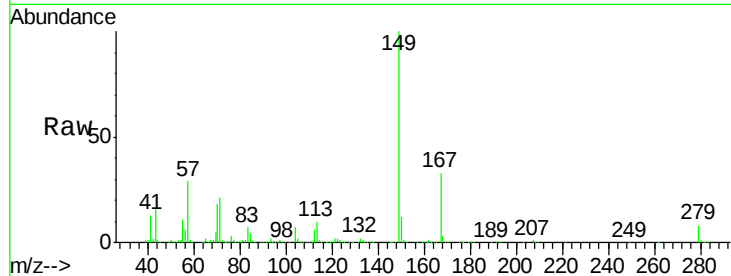




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 30.89 ng/ul
 RT: 21.28 min Scan# 3165
 Delta R.T. -0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

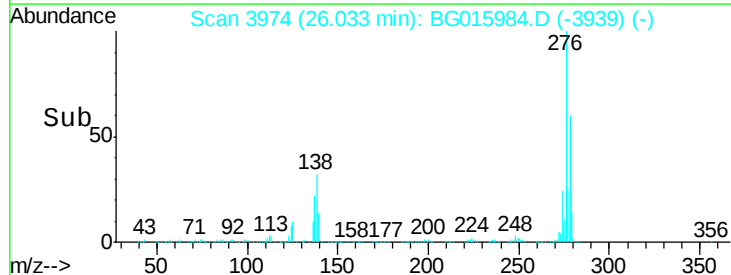
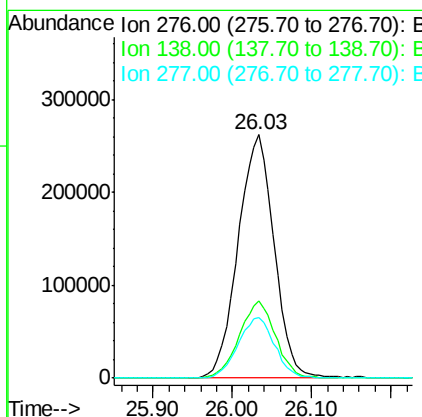
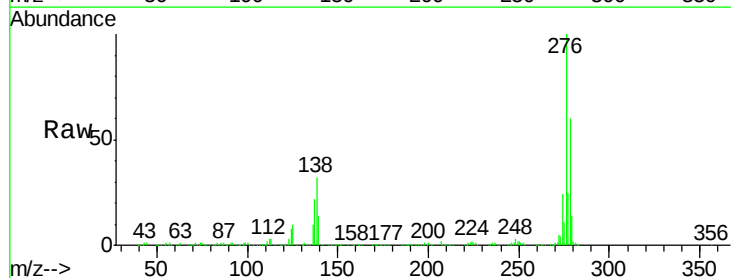
Instrument :
 BNA_G
 ClientSampleId :
 X1H38DL

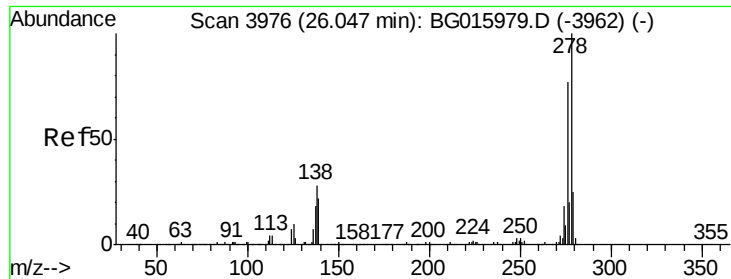
Tgt Ion:149 Resp: 420549
 Ion Ratio Lower Upper
 149 100
 167 32.5 26.6 39.8
 279 7.5 6.7 10.1



#89
 Indeno(1,2,3-cd)pyrene
 Concen: 33.95 ng/ul
 RT: 26.03 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: BG015984.D
 Acq: 11 Feb 2015 16:02

Tgt Ion:276 Resp: 821986
 Ion Ratio Lower Upper
 276 100
 138 30.3 24.6 36.8
 277 25.3 19.8 29.8





#90

Dibenzo(a,h)anthracene

Concen: 26.98 ng/ul

RT: 26.04 min Scan# 3976

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

Instrument :

BNA_G

ClientSampleId :

X1H38DL

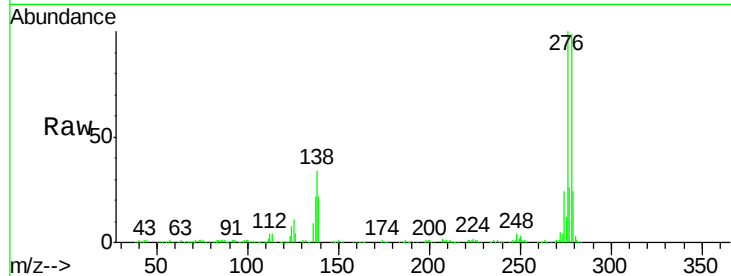
Tgt Ion:278 Resp: 549754

Ion Ratio Lower Upper

278 100

139 21.8 15.9 23.9

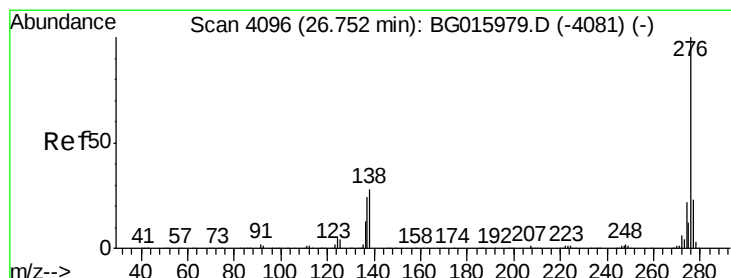
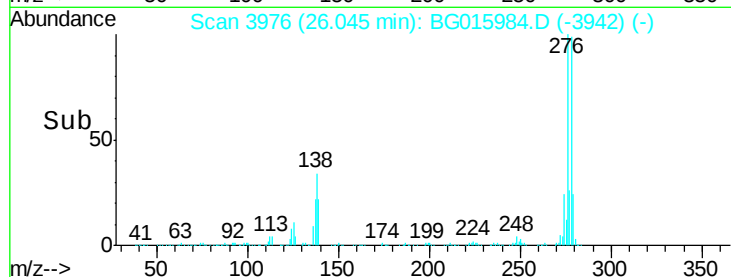
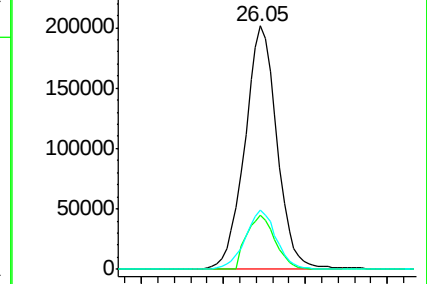
279 23.4 19.8 29.6



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: 25.44 ng/ul

RT: 26.75 min Scan# 4096

Delta R.T. -0.00 min

Lab File: BG015984.D

Acq: 11 Feb 2015 16:02

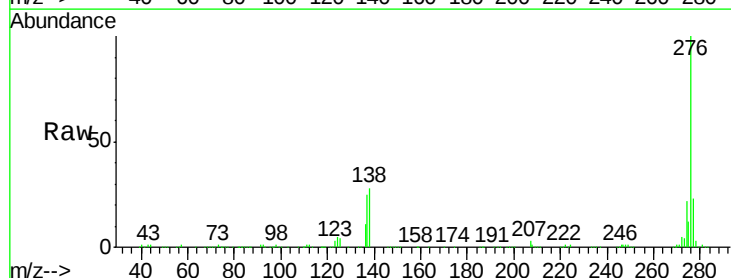
Tgt Ion:276 Resp: 514082

Ion Ratio Lower Upper

276 100

138 28.5 21.5 32.3

277 24.0 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

