

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052215\
 Data File : BG017265.D
 Acq On : 23 May 2015 4:29
 Operator : TP/IZ
 Sample : G2357-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-H2O-05

Quant Time: May 25 08:16:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 08:11:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	33539	20.00	ng	0.00
21) Naphthalene-d8	10.48	136	137397	20.00	ng	0.00
38) Acenaphthene-d10	14.34	164	81885	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	178414	20.00	ng	0.00
75) Chrysene-d12	21.26	240	197217	20.00	ng	0.00
86) Perylene-d12	23.51	264	189026	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	261753	138.47	ng	0.03
7) Phenol-d6	6.90	99	337201	127.11	ng	0.02
23) Nitrobenzene-d5	8.85	82	243519	82.75	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	36395	36.77	ng	0.00
44) 2-Fluorobiphenyl	12.96	172	498566	89.34	ng	0.00
78) Terphenyl-d14	19.71	244	533359	56.36	ng	0.00

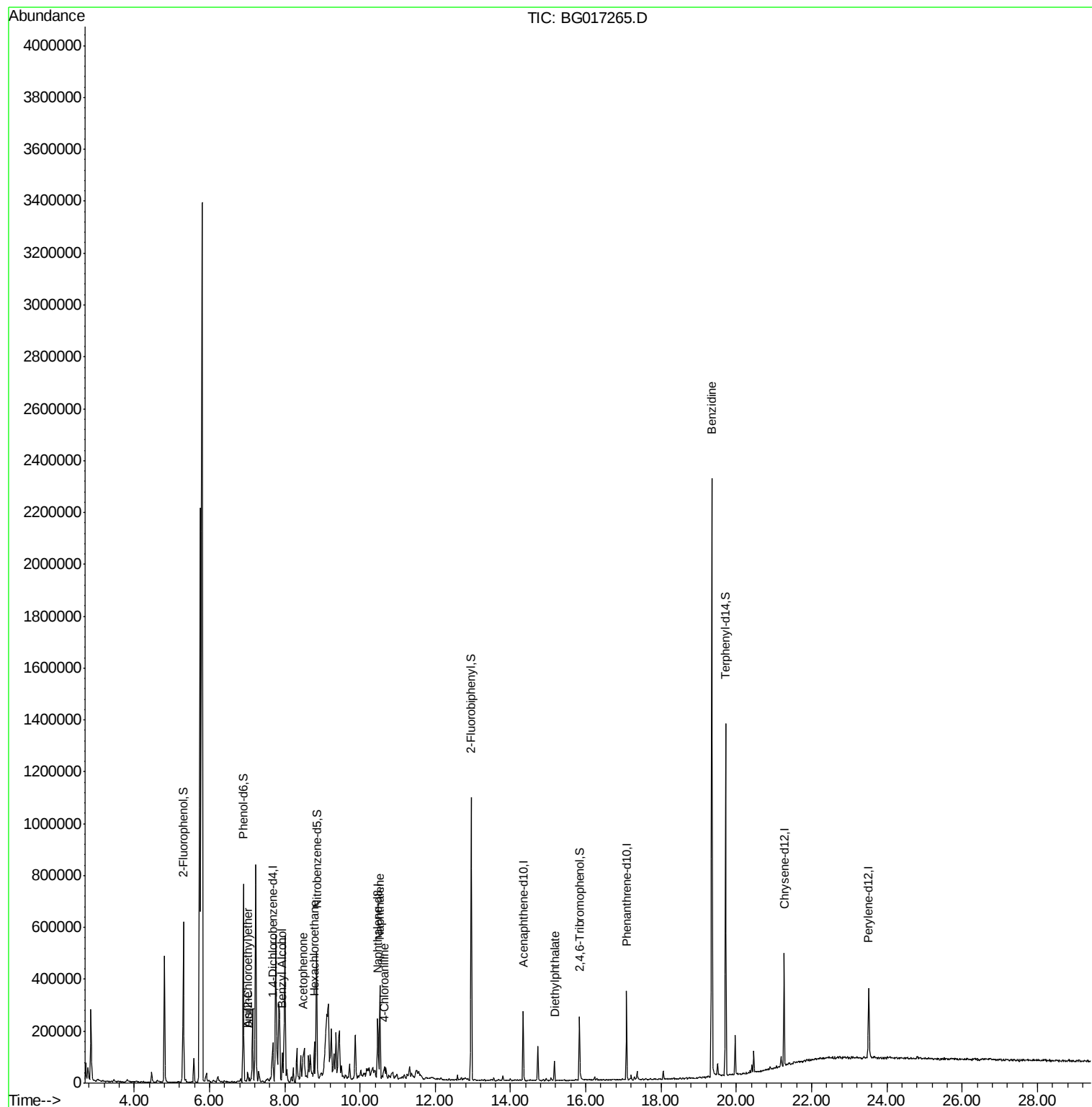
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.02	93	18867	5.14	ng	97
11) bis(2-Chloroethyl)ether	7.02	93	18867	8.94	ng	# 26
15) Benzyl Alcohol	7.94	79	36388	14.12	ng	98
18) Hexachloroethane	8.78	117	8421	7.91	ng	# 1
22) Acetophenone	8.48	105	18920	5.67	ng	# 51
31) Naphthalene	10.52	128	248406	36.95	ng	96
33) 4-Chloroaniline	10.65	127	11205	3.52	ng	94
59) Diethylphthalate	15.16	149	36538	5.31	ng	99
76) Benzidine	19.35	184	1231604	191.27	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.69 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

Instrument :

BNA_G

ClientSampleId :

WC-H2O-05

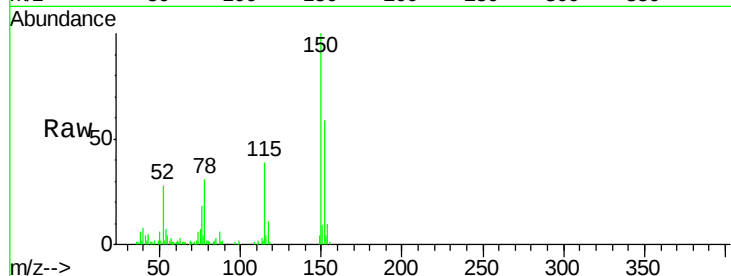
Tgt Ion:152 Resp: 33539

Ion Ratio Lower Upper

152 100

150 170.5 120.8 181.2

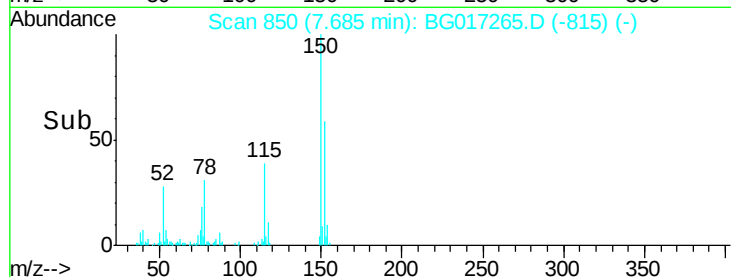
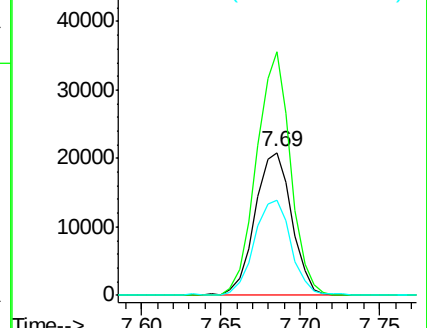
115 66.3 49.4 74.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 138.47 ng

RT: 5.31 min Scan# 445

Delta R.T. 0.03 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

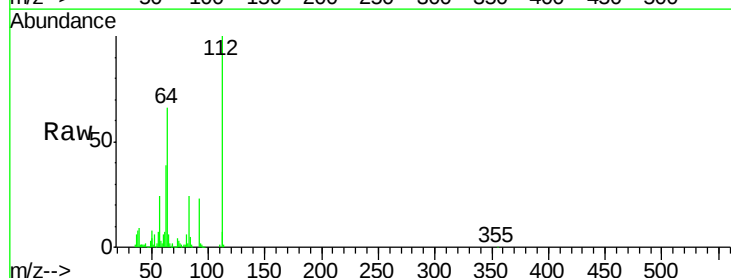
Tgt Ion:112 Resp: 261753

Ion Ratio Lower Upper

112 100

64 66.2 48.1 72.1

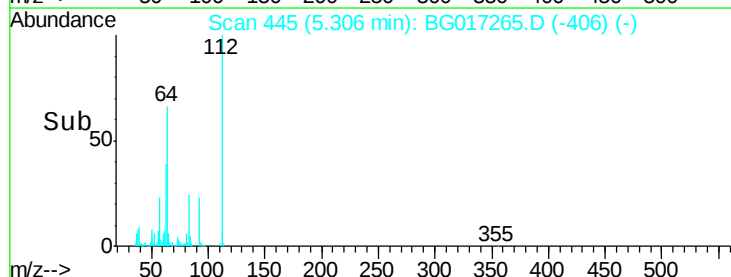
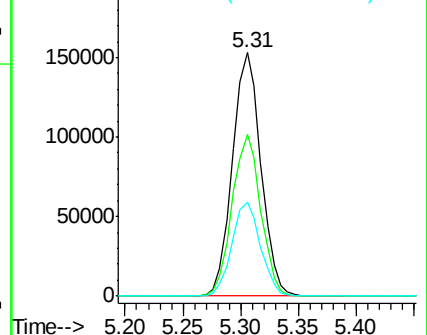
63 38.6 29.8 44.8

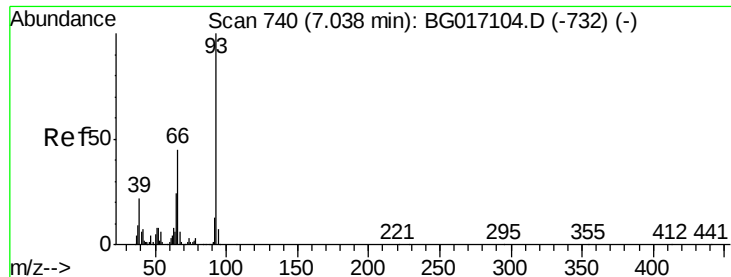


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 5.14 ng

RT: 7.02 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

Instrument :

BNA_G

ClientSampleId :

WC-H2O-05

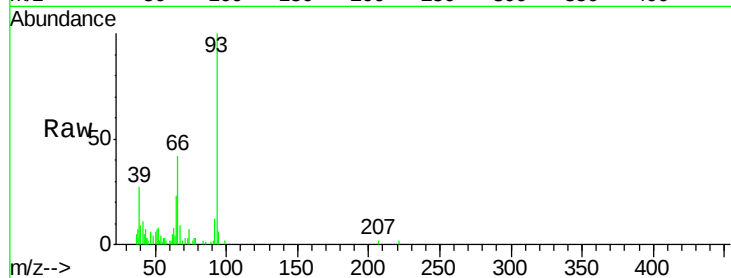
Tgt Ion: 93 Resp: 18867

Ion Ratio Lower Upper

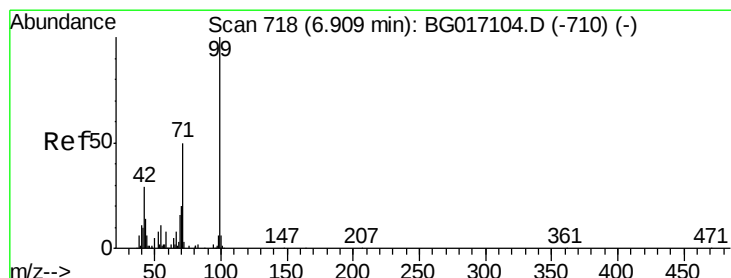
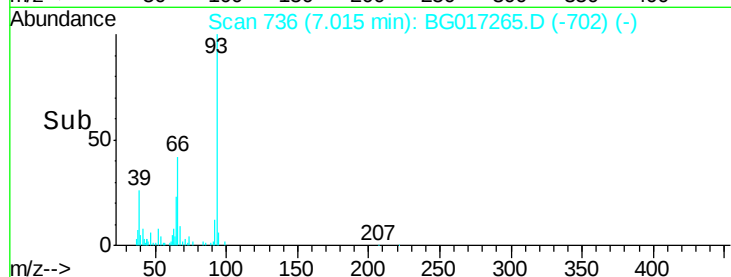
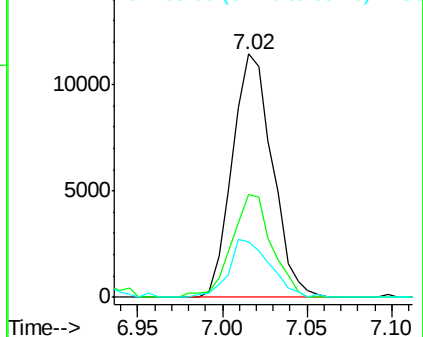
93 100

66 42.3 35.8 53.8

65 22.7 19.2 28.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 127.11 ng

RT: 6.90 min Scan# 716

Delta R.T. 0.02 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

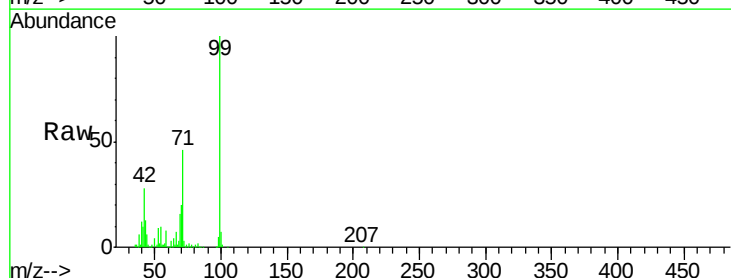
Tgt Ion: 99 Resp: 337201

Ion Ratio Lower Upper

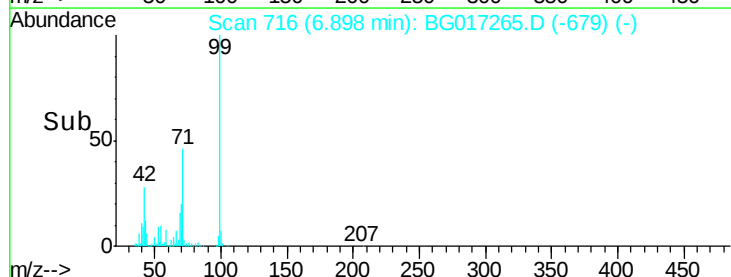
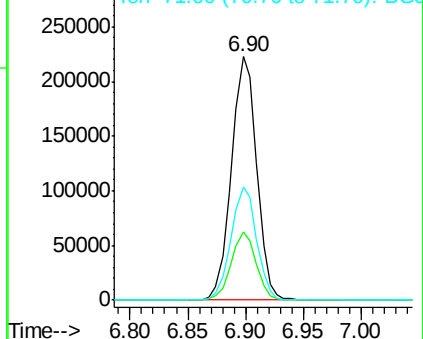
99 100

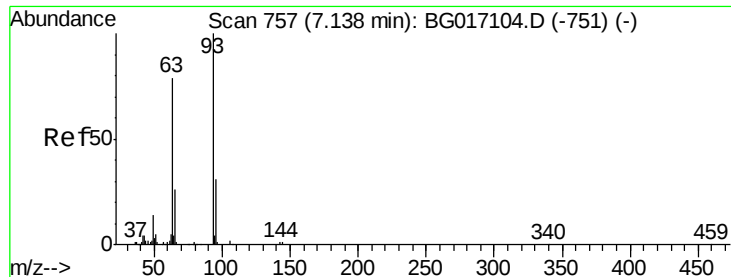
42 28.2 23.5 35.3

71 46.3 39.8 59.8



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

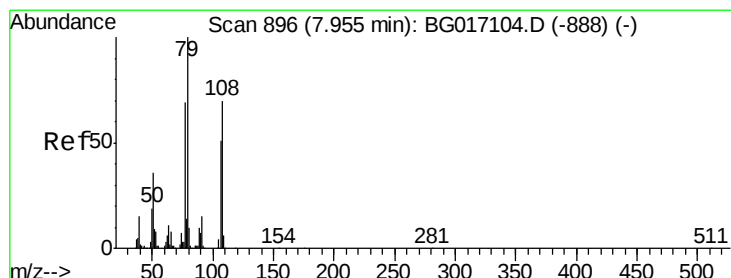
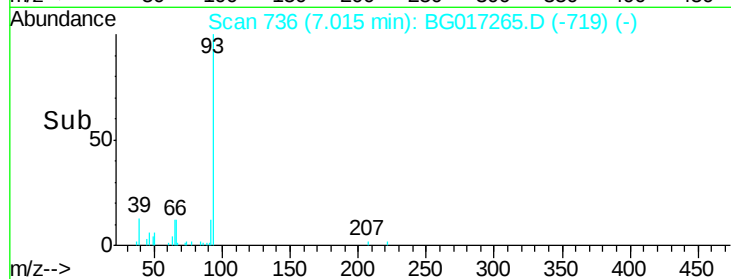
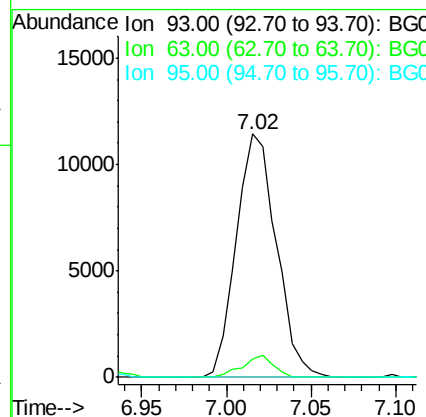
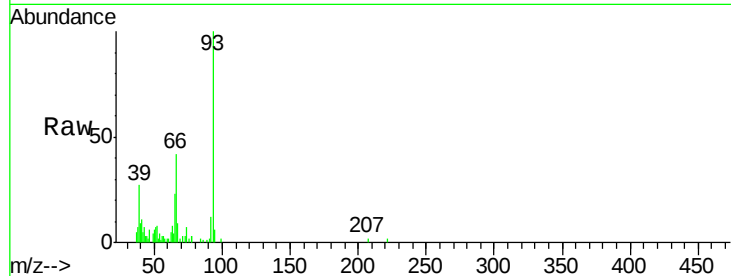




#11
bis(2-Chloroethyl)ether
Concen: 8.94 ng
RT: 7.02 min Scan# 736
Delta R.T. -0.10 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

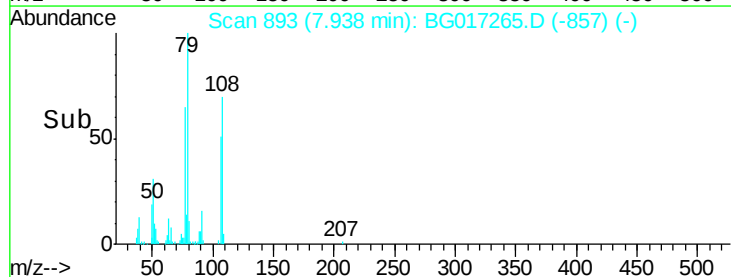
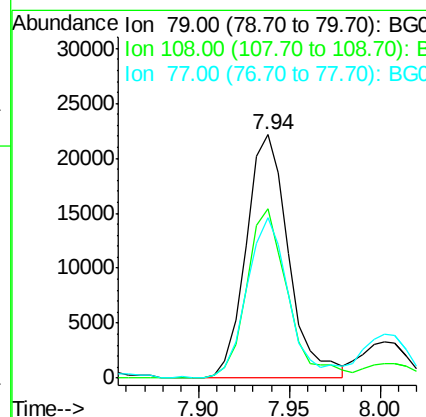
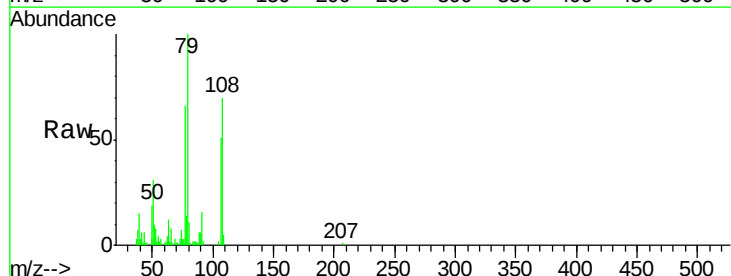
Instrument :
BNA_G
ClientSampleId :
WC-H2O-05

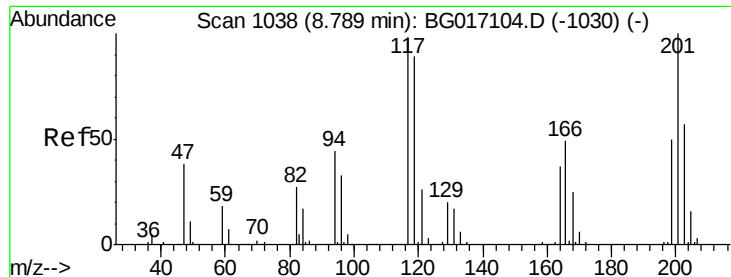
Tgt Ion: 93 Resp: 18867
Ion Ratio Lower Upper
93 100
63 7.5 58.5 98.5#
95 0.0 11.0 51.0#



#15
Benzyl Alcohol
Concen: 14.12 ng
RT: 7.94 min Scan# 893
Delta R.T. 0.01 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Tgt Ion: 79 Resp: 36388
Ion Ratio Lower Upper
79 100
108 69.6 55.8 83.6
77 65.9 55.4 83.0

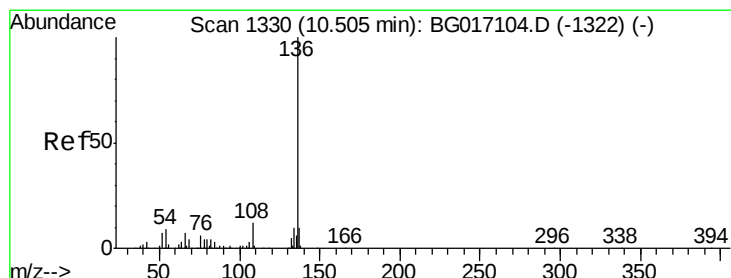
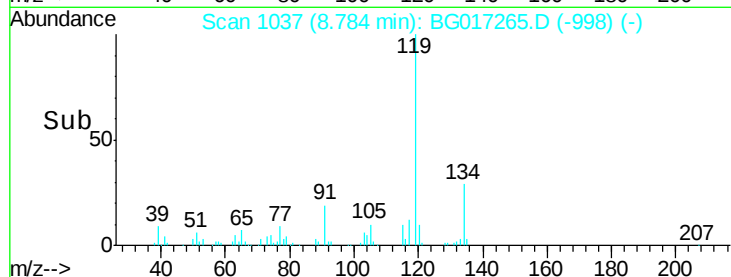
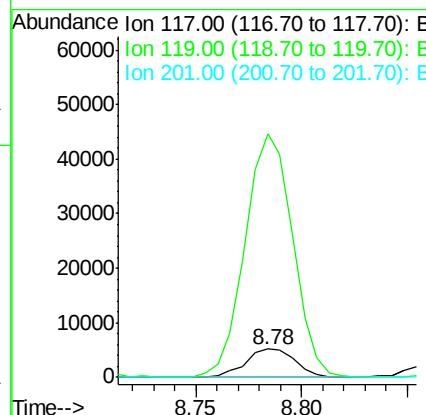
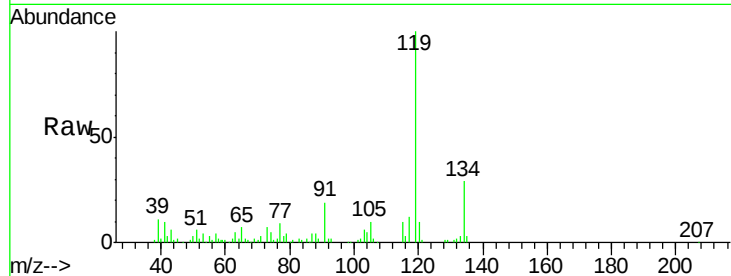




#18
Hexachloroethane
Concen: 7.91 ng
RT: 8.78 min Scan# 1037
Delta R.T. 0.03 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

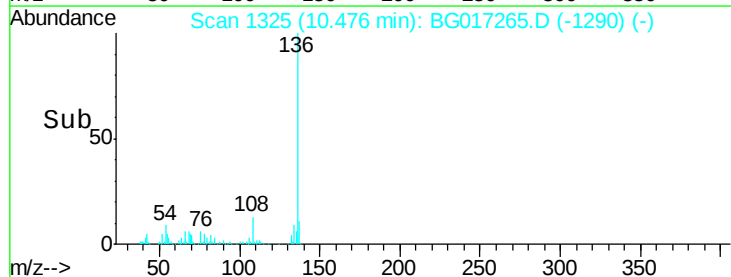
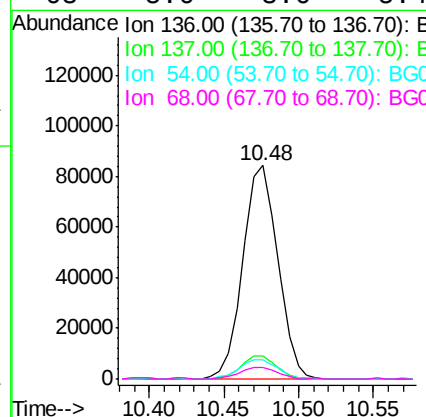
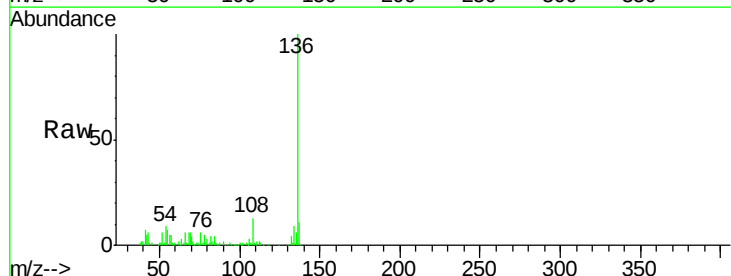
Instrument :
BNA_G
ClientSampleId :
WC-H2O-05

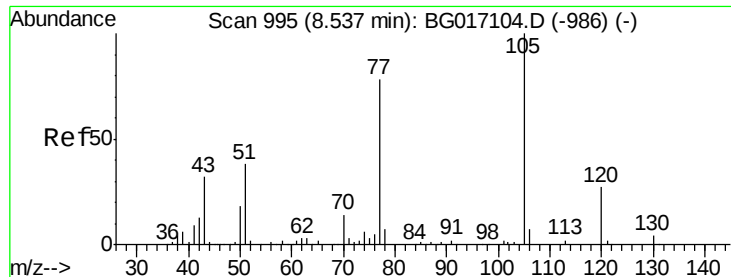
Tgt Ion:117 Resp: 8421
Ion Ratio Lower Upper
117 100
119 854.4 73.0 109.6#
201 0.0 81.7 122.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.48 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Tgt Ion:136 Resp: 137397
Ion Ratio Lower Upper
136 100
137 10.6 8.3 12.5
54 9.0 7.4 11.2
68 5.6 3.6 5.4#





#22

Acetophenone

Concen: 5.67 ng

RT: 8.48 min Scan# 986

Delta R.T. -0.02 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

Instrument :

BNA_G

ClientSampleId :

WC-H2O-05

Tgt Ion:105 Resp: 18920

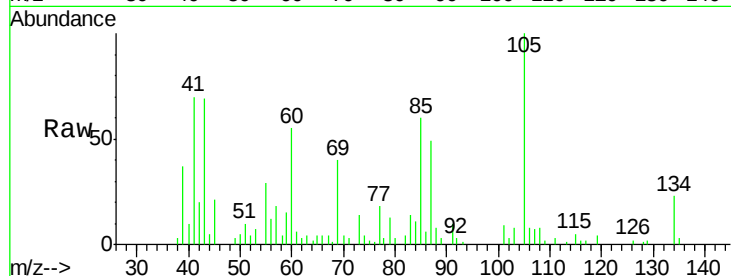
Ion Ratio Lower Upper

105 100

71 2.6 2.2 3.4

51 9.8 32.8 49.2#

120 0.0 21.8 32.6#

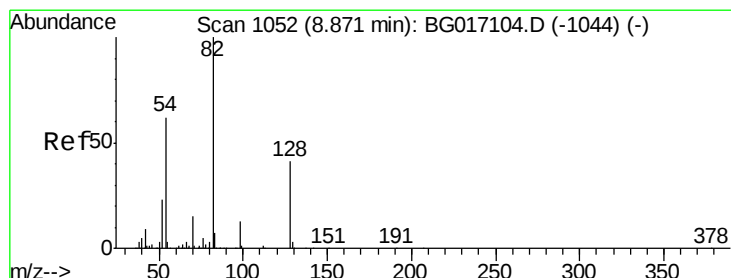
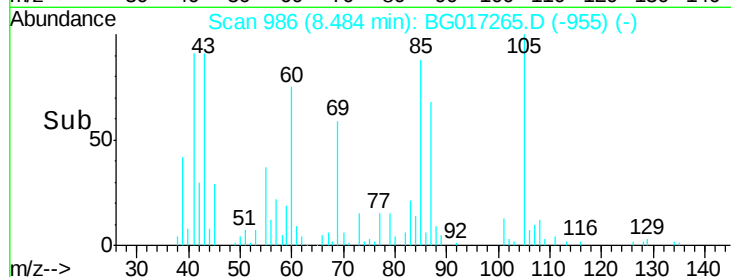
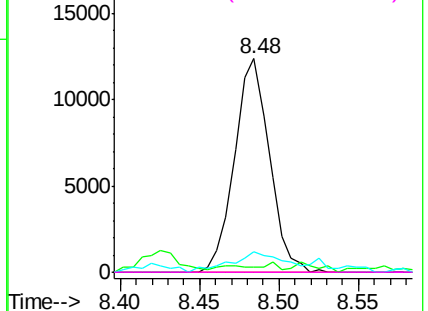


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 82.75 ng

RT: 8.85 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

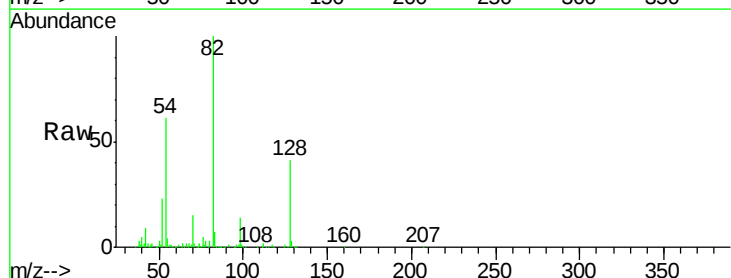
Tgt Ion: 82 Resp: 243519

Ion Ratio Lower Upper

82 100

128 41.3 32.6 49.0

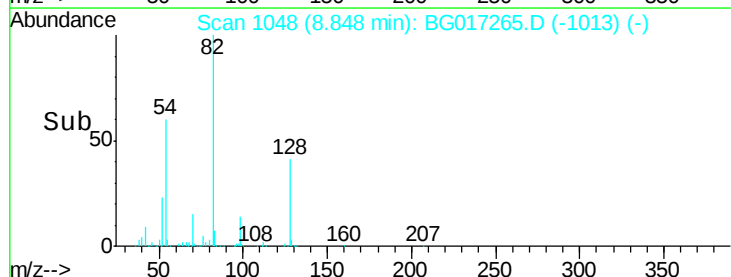
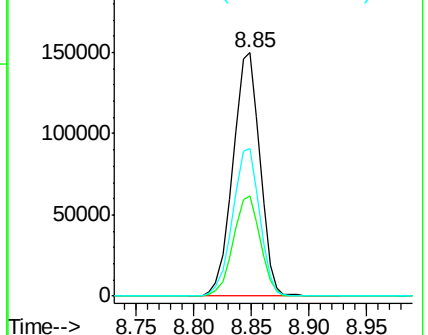
54 60.6 49.6 74.4

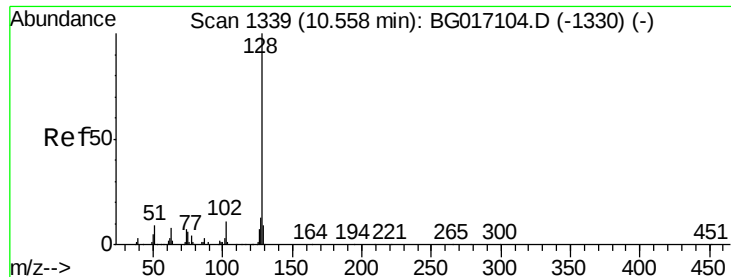


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

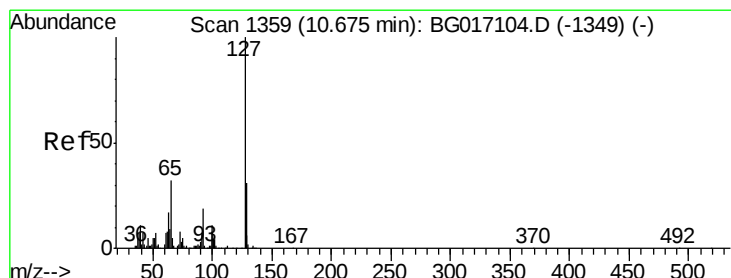
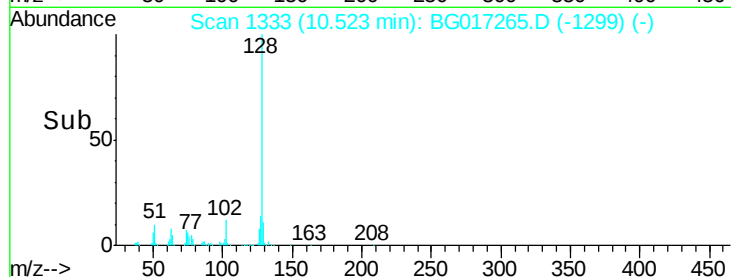
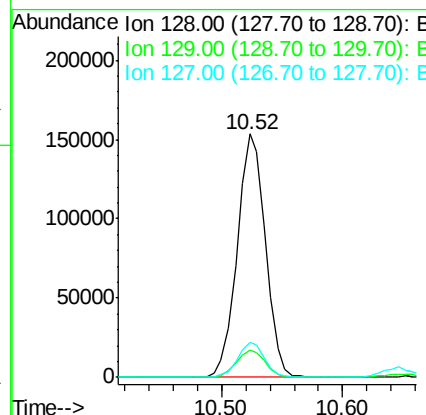
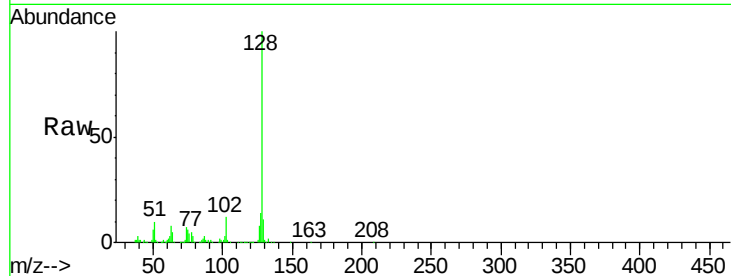




#31
Naphthalene
Concen: 36.95 ng
RT: 10.52 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

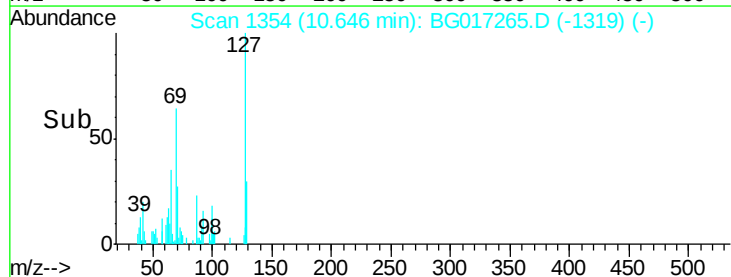
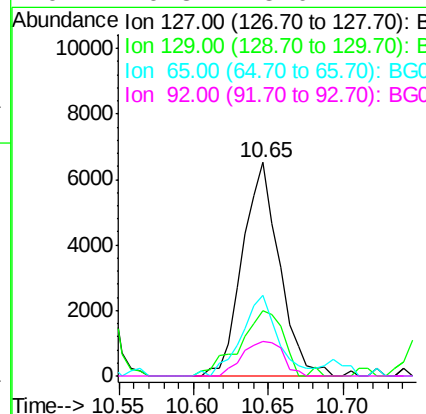
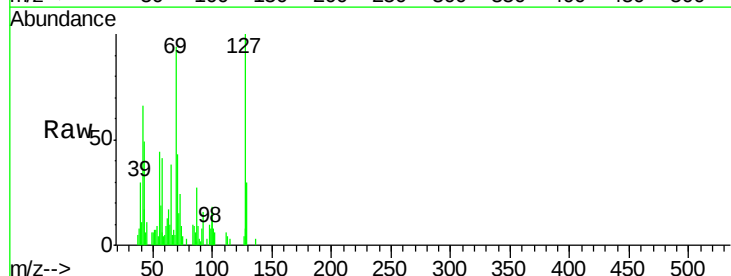
Instrument :
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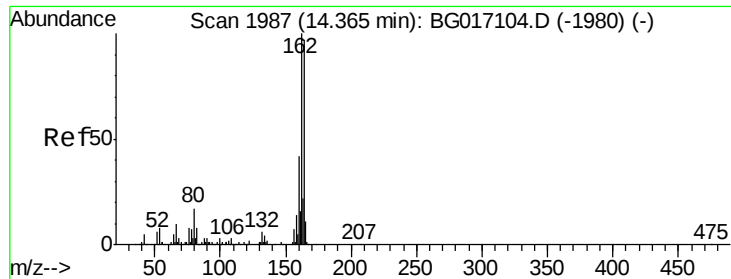
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	7.6	11.4
127	14.4	10.6	16.0



#33
4-Chloroaniline
Concen: 3.52 ng
RT: 10.65 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.3	24.8	37.2
65	37.8	25.8	38.6
92	16.3	15.0	22.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.34 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

Instrument :

BNA_G

ClientSampleId :

WC-H2O-05

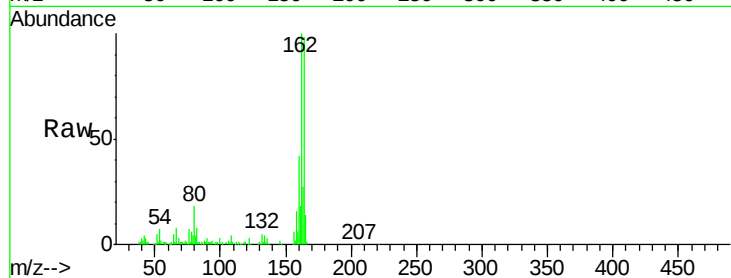
Tgt Ion:164 Resp: 81885

Ion Ratio Lower Upper

164 100

162 102.1 82.1 123.1

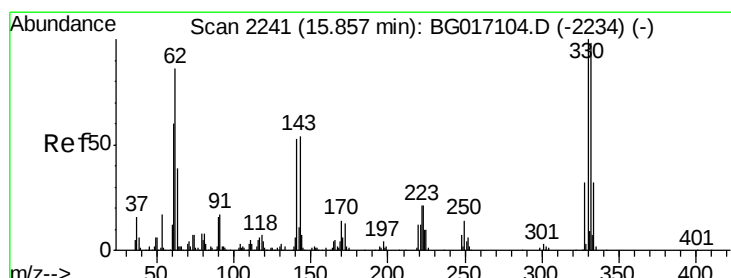
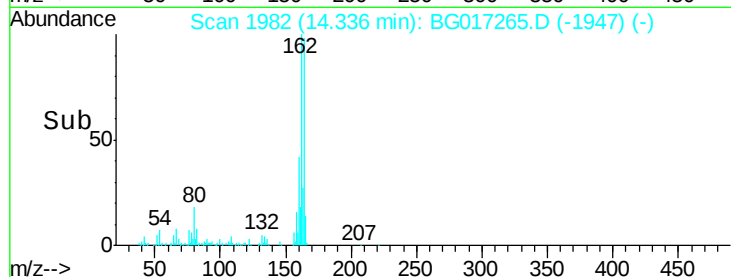
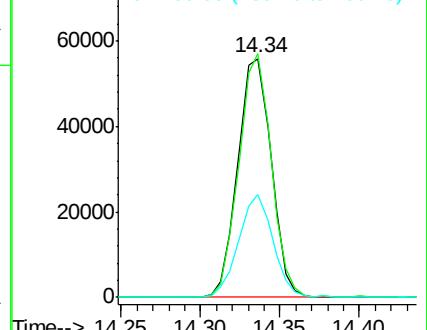
160 43.1 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 36.77 ng

RT: 15.83 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

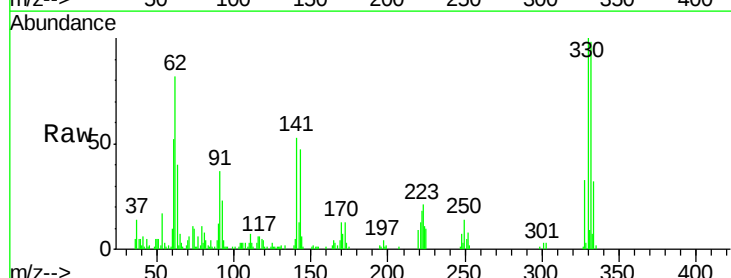
Tgt Ion:330 Resp: 36395

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

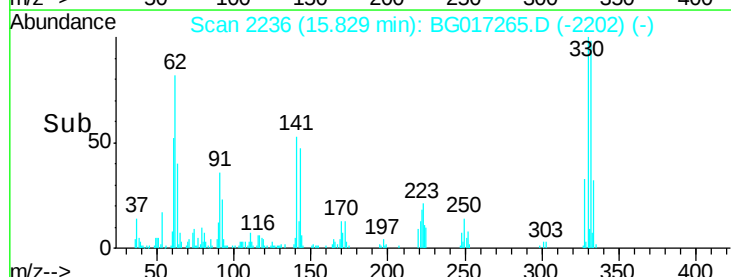
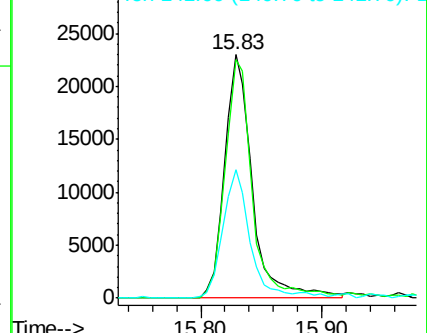
141 50.4 42.2 63.2

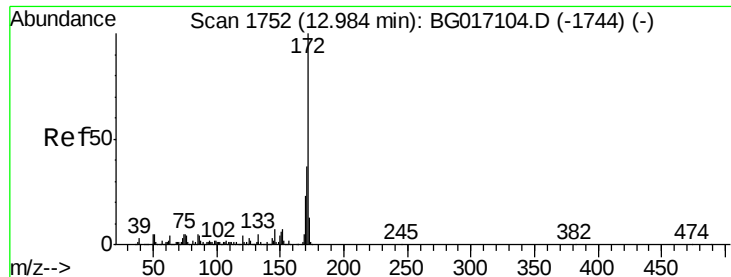


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

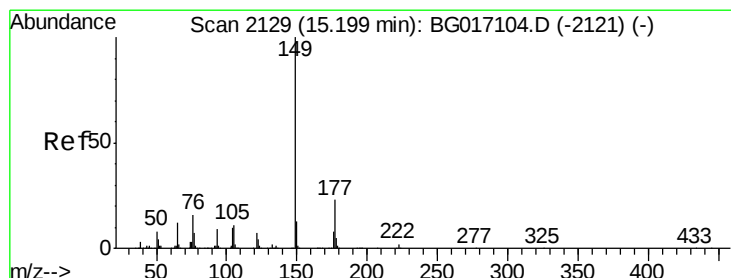
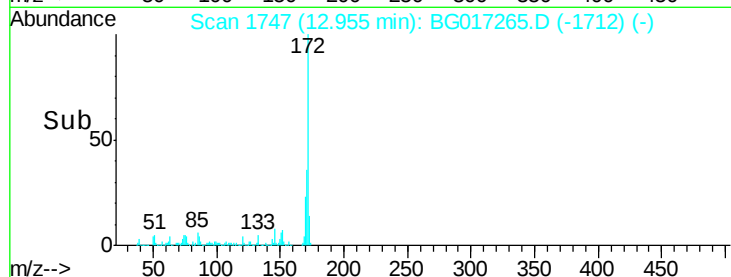
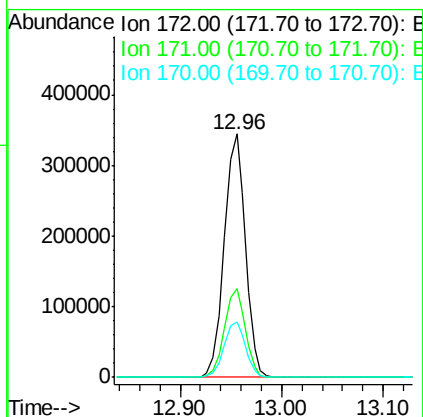
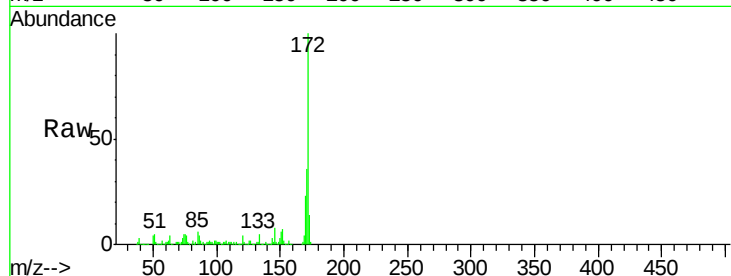




#44
2-Fluorobiphenyl
Concen: 89.34 ng
RT: 12.96 min Scan# 1747
Delta R.T. 0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

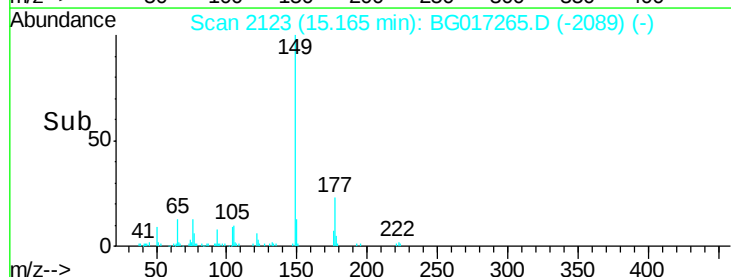
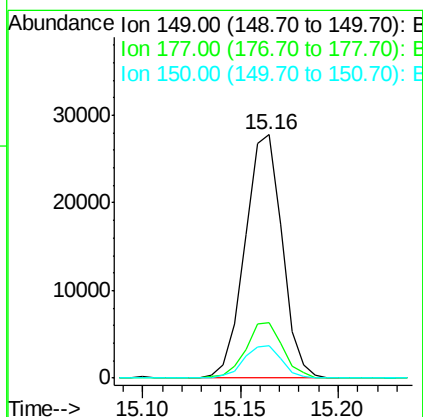
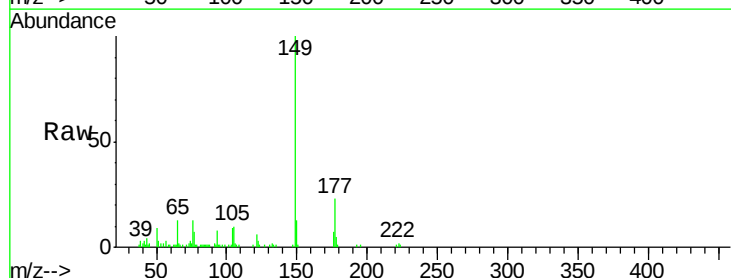
Instrument :
BNA_G
ClientSampleId :
WC-H2O-05

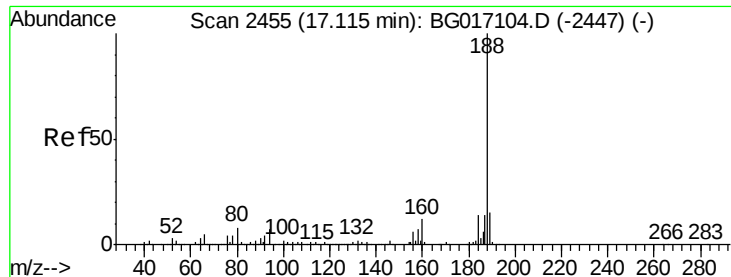
Tgt Ion	Resp	Lower	Upper
172	498566		
171	36.4	29.7	44.5
170	22.8	18.4	27.6



#59
Diethylphthalate
Concen: 5.31 ng
RT: 15.16 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Tgt Ion	Resp	Lower	Upper
149	36538		
177	22.7	18.3	27.5
150	13.4	10.4	15.6

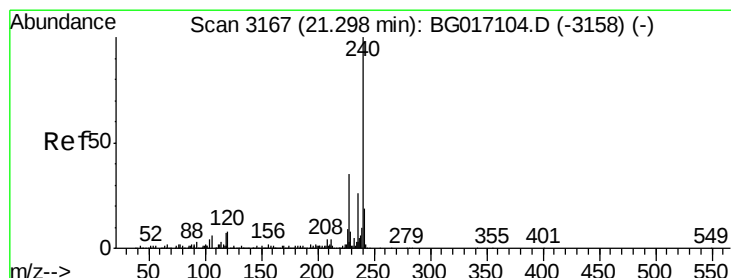
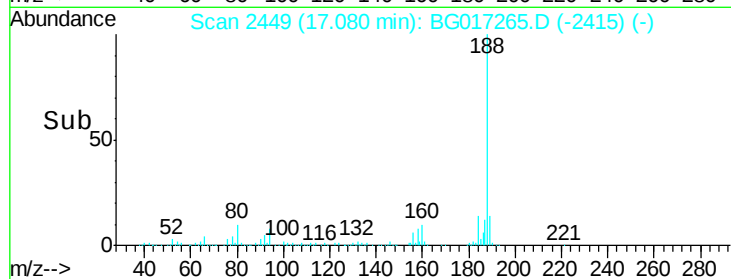
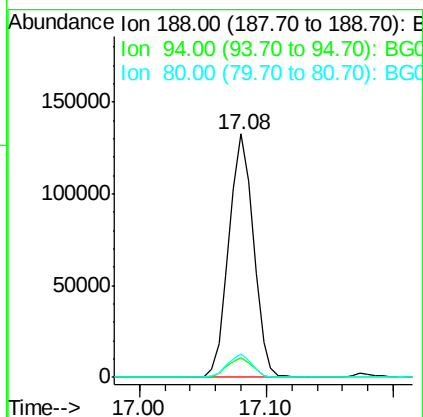
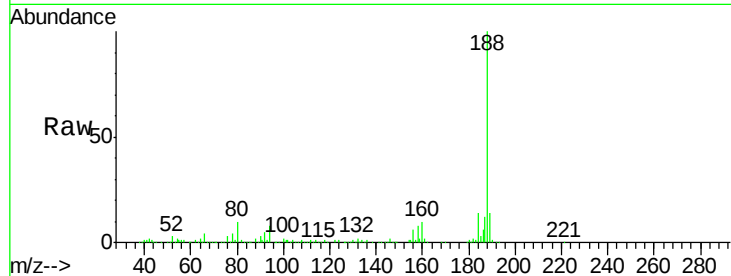




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

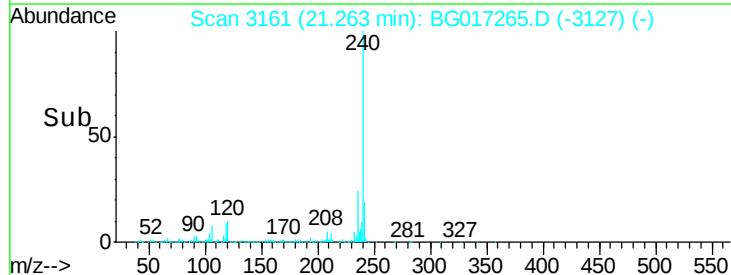
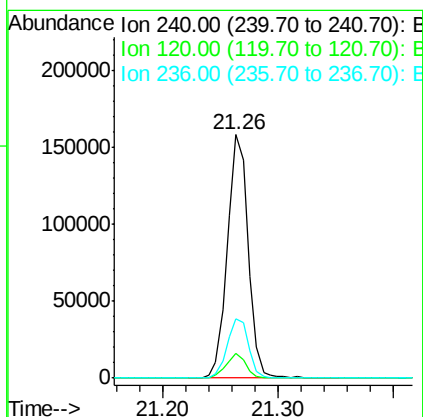
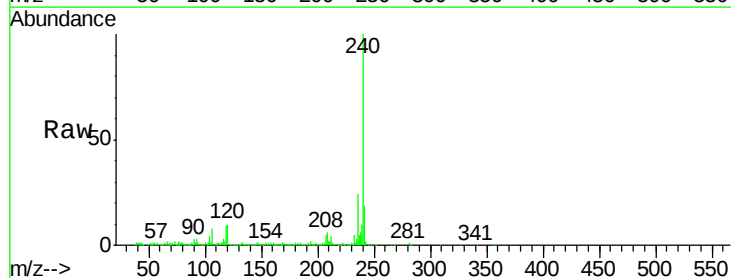
Instrument :
BNA_G
ClientSampleId :
WC-H2O-05

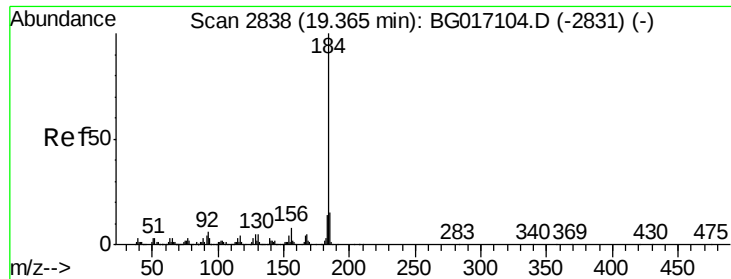
Tgt Ion:188 Resp: 178414
Ion Ratio Lower Upper
188 100
94 8.0 5.8 8.6
80 9.5 6.5 9.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.26 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Tgt Ion:240 Resp: 197217
Ion Ratio Lower Upper
240 100
120 10.2 6.0 9.0#
236 24.3 20.5 30.7





#76

Benzidine

Concen: 191.27 ng

RT: 19.35 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

Instrument :

BNA_G

ClientSampleId :

WC-H2O-05

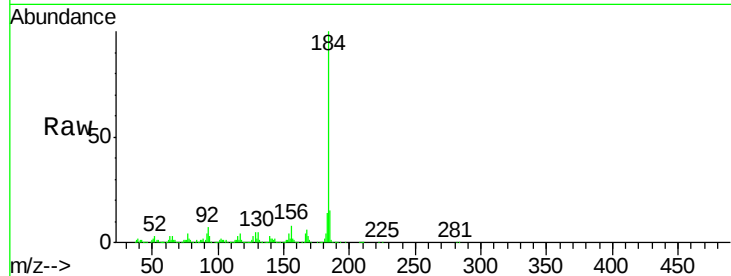
Tgt Ion:184 Resp: 1231604

Ion Ratio Lower Upper

184 100

185 14.9 12.4 18.6

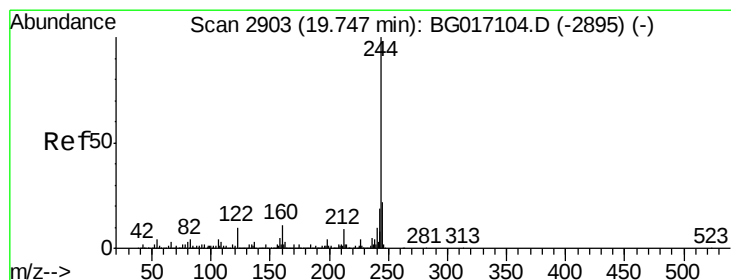
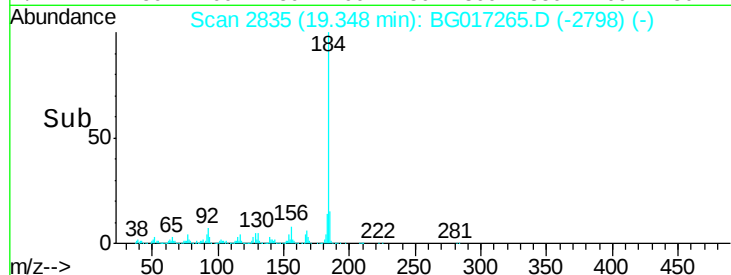
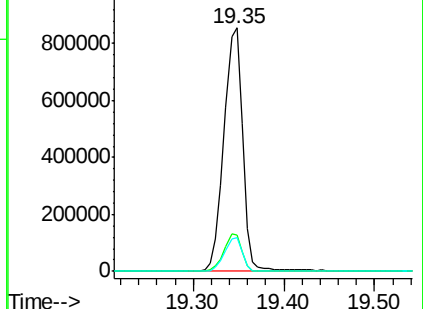
183 13.8 11.4 17.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 56.36 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG017265.D

Acq: 23 May 2015 4:29

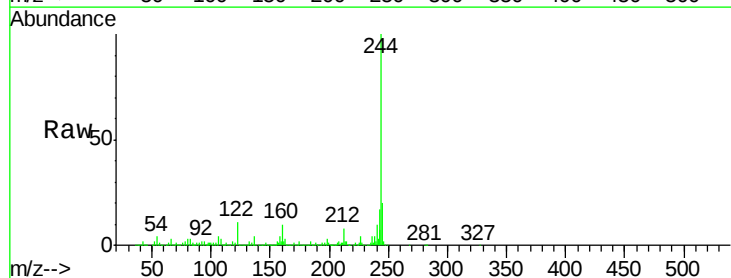
Tgt Ion:244 Resp: 533359

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

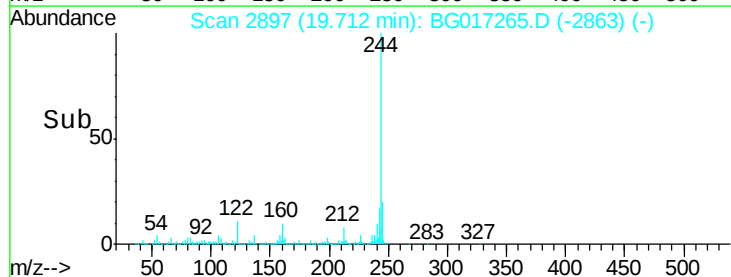
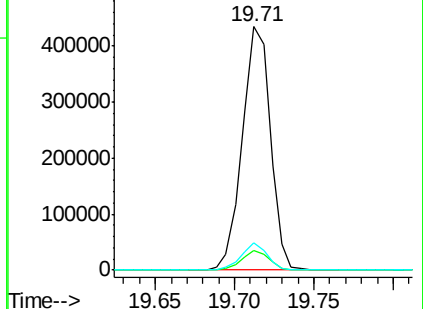
122 11.0 8.4 12.6

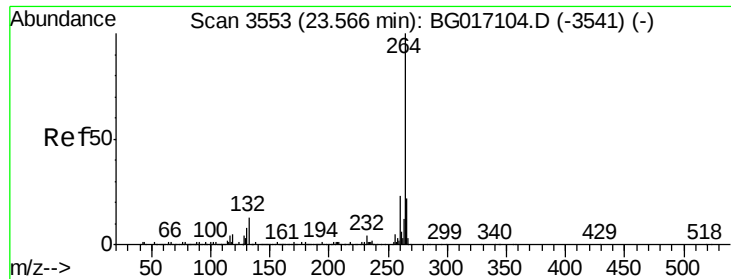


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.51 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BG017265.D
Acq: 23 May 2015 4:29

Instrument :
BNA_G
ClientSampleId :
WC-H2O-05

Tgt Ion: 264 Resp: 189026
Ion Ratio Lower Upper
264 100
260 22.2 18.0 27.0
265 19.8 17.4 26.0

