

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050915\
 Data File : BG017022.D
 Acq On : 10 May 2015 12:34
 Operator : TP/IZ
 Sample : G2104-12
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-106

Quant Time: May 19 07:35:54 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 16:13:58 2015
 Response via : Initial Calibration

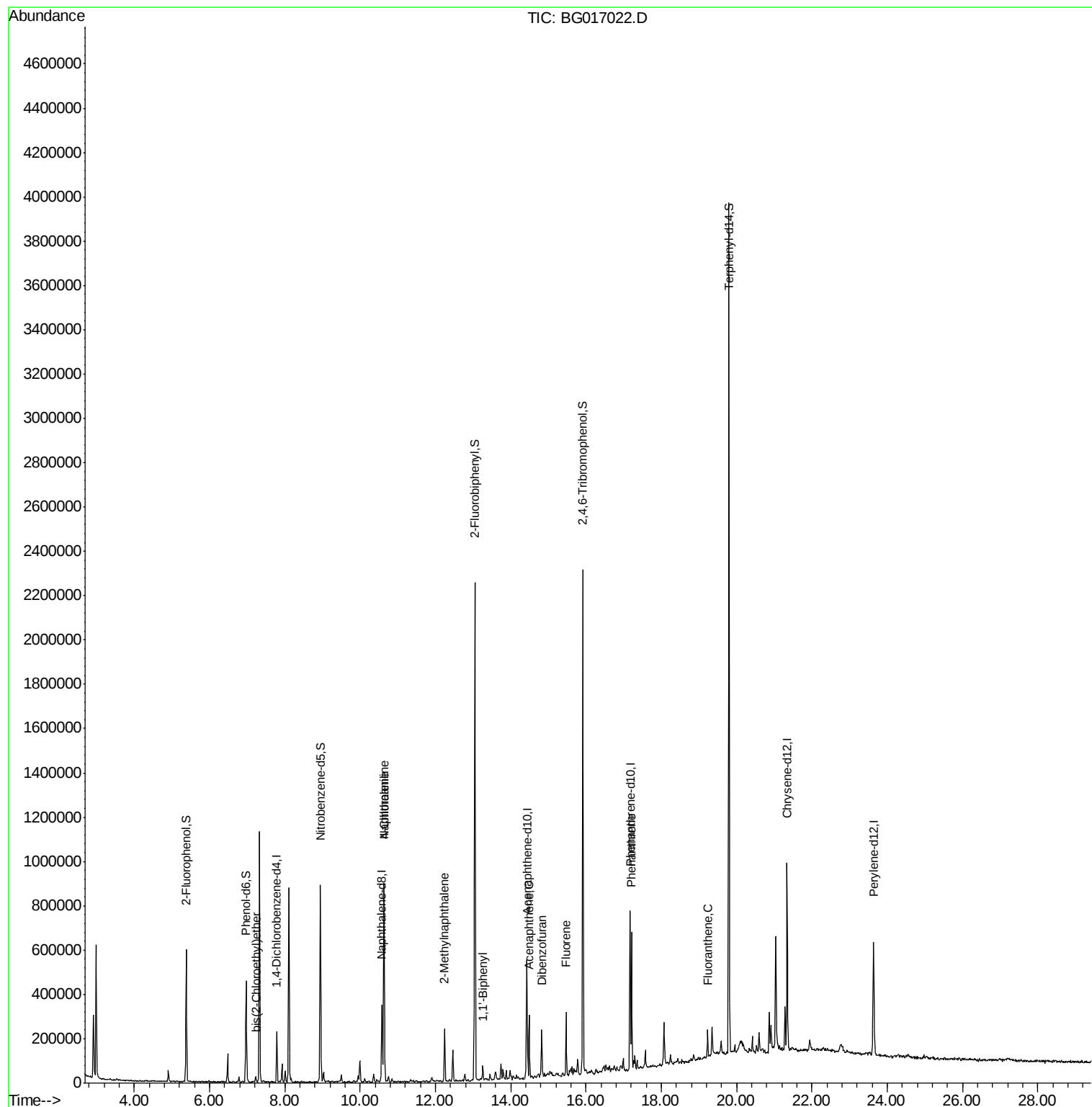
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	51813	20.00	ng	-0.02
21) Naphthalene-d8	10.58	136	252566	20.00	ng	-0.02
38) Acenaphthene-d10	14.43	164	169968	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	388316	20.00	ng	-0.02
75) Chrysene-d12	21.34	240	371474	20.00	ng	-0.03
86) Perylene-d12	23.64	264	369001	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	206899	69.53	ng	0.00
7) Phenol-d6	6.97	99	217109	51.07	ng	0.00
23) Nitrobenzene-d5	8.95	82	481405	93.12	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	320630	187.91	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	1035669	91.95	ng	-0.02
78) Terphenyl-d14	19.80	244	1486591	93.81	ng	-0.02
Target Compounds						
11) bis(2-Chloroethyl)ether	7.22	93	7676	2.18	ng	# 18
31) Naphthalene	10.63	128	497233	39.58	ng	99
32) Benzoic acid	9.86	122	53	Below Cal	#	1
33) 4-Chloroaniline	10.63	127	70252	12.11	ng	# 48
37) 2-Methylnaphthalene	12.24	142	99913	10.44	ng	96
45) 1,1'-Biphenyl	13.26	154	28751	2.36	ng	98
51) Acenaphthene	14.49	154	94148	9.42	ng	98
54) Dibenzofuran	14.82	168	111547	7.86	ng	99
57) Fluorene	15.47	166	106229	8.46	ng	99
70) Phenanthrene	17.21	178	320149	16.02	ng	98
74) Fluoranthene	19.23	202	64629	2.79	ng	98

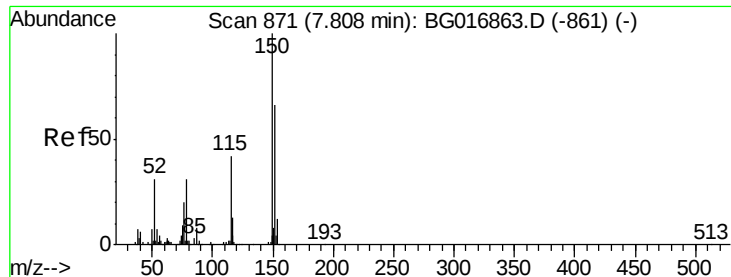
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 868

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

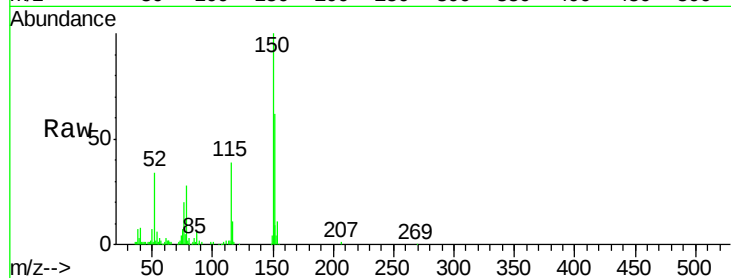
Tgt Ion:152 Resp: 51813

Ion Ratio Lower Upper

152 100

150 160.8 121.0 181.4

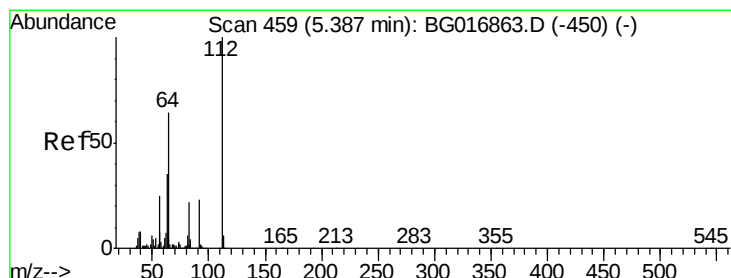
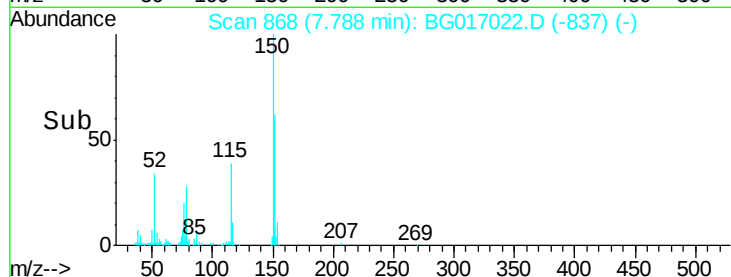
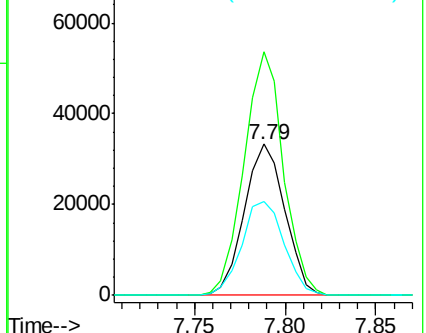
115 62.1 50.5 75.7



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: 69.53 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

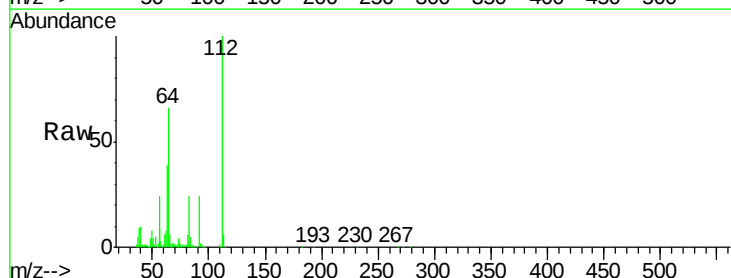
Tgt Ion:112 Resp: 206899

Ion Ratio Lower Upper

112 100

64 66.0 51.4 77.2

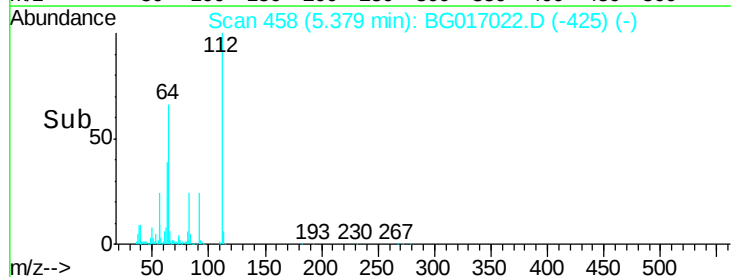
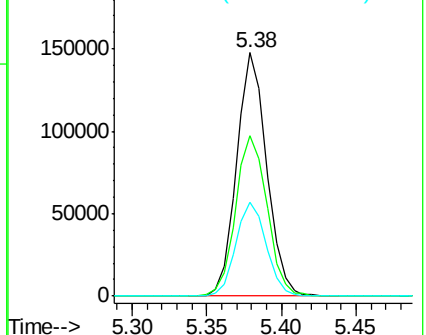
63 38.8 28.1 42.1

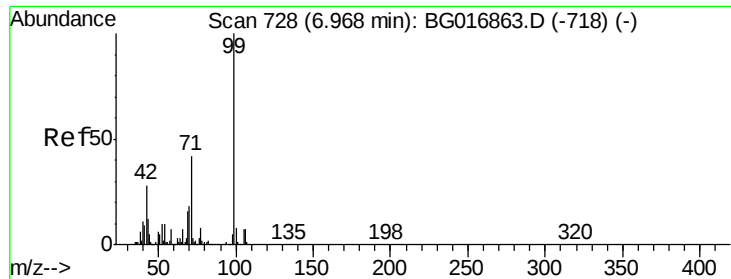


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 51.07 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

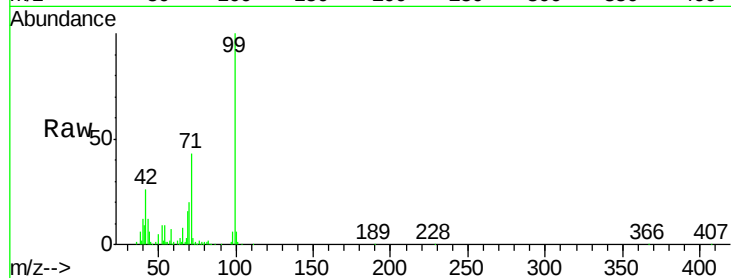
Tgt Ion: 99 Resp: 217109

Ion Ratio Lower Upper

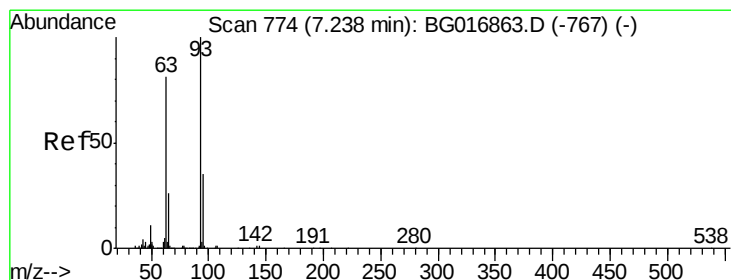
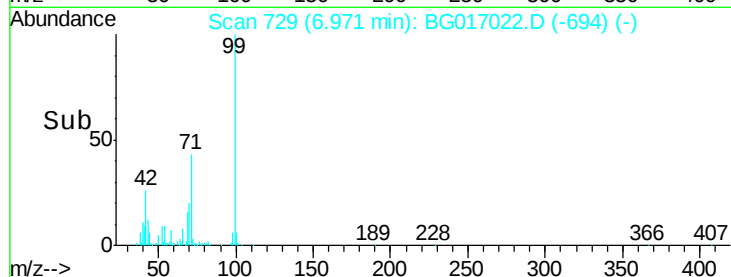
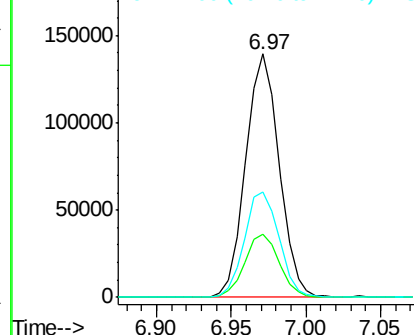
99 100

42 26.2 22.1 33.1

71 43.5 33.4 50.0



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: 2.18 ng

RT: 7.22 min Scan# 772

Delta R.T. -0.01 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

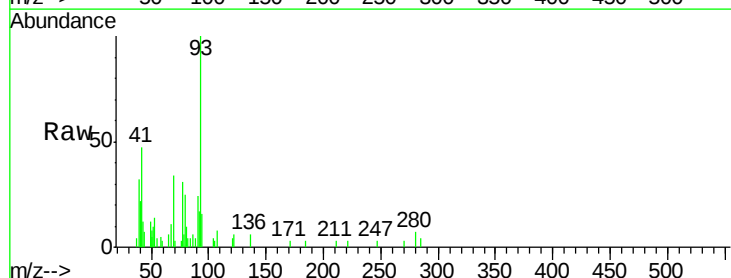
Tgt Ion: 93 Resp: 7676

Ion Ratio Lower Upper

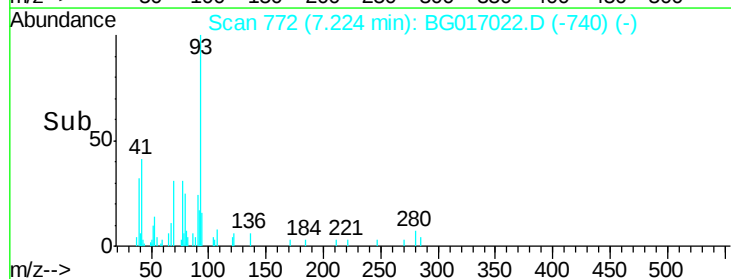
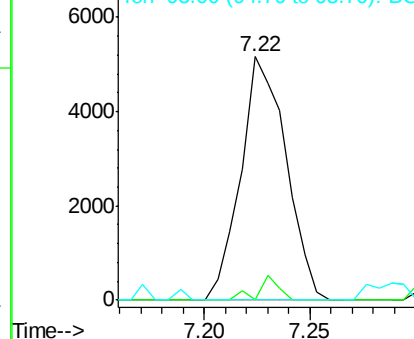
93 100

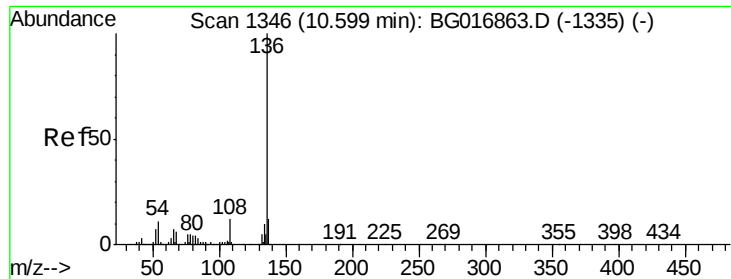
63 0.0 61.2 101.2#

95 0.0 15.0 55.0#



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

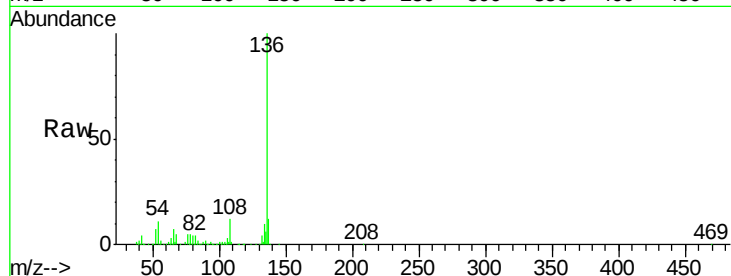




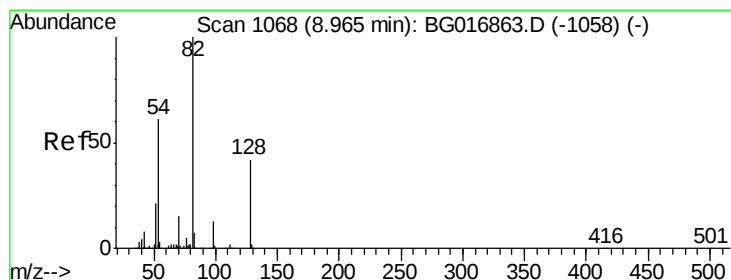
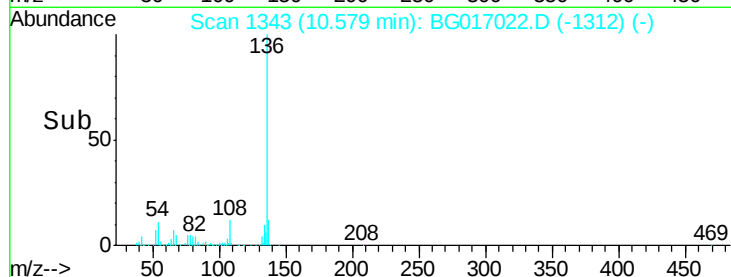
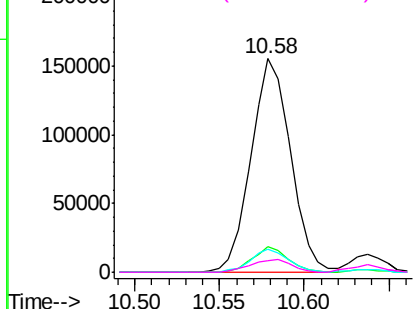
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Instrument :
BNA_G
ClientSampleId :
MW-106

Tgt Ion:	136	Resp:	252566
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	10.8	8.7	13.1
68	5.3	5.0	7.4

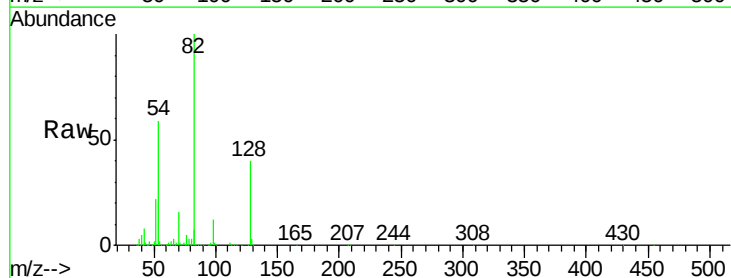


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

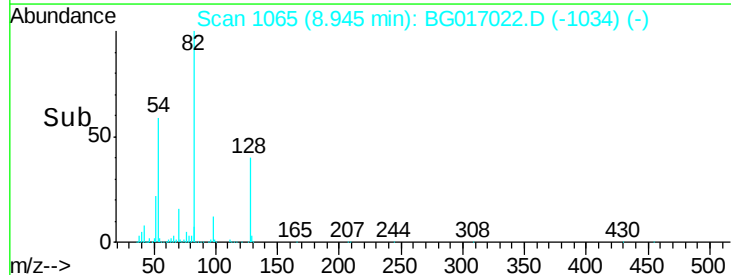
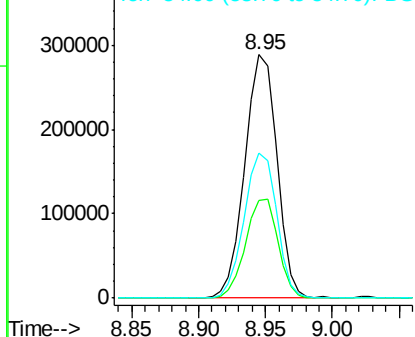


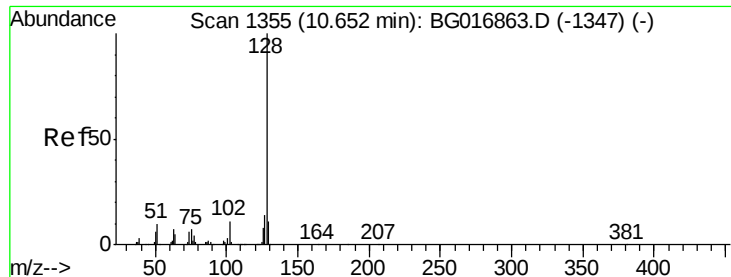
#23
Nitrobenzene-d5
Concen: 93.12 ng
RT: 8.95 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion:	82	Resp:	481405
Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.2	49.8
54	59.4	48.6	72.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

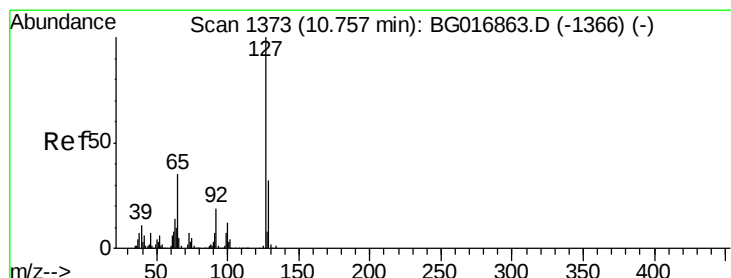
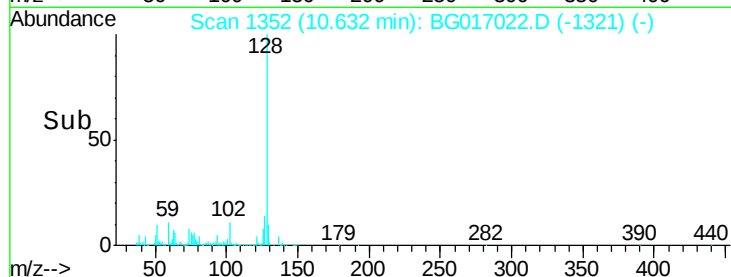
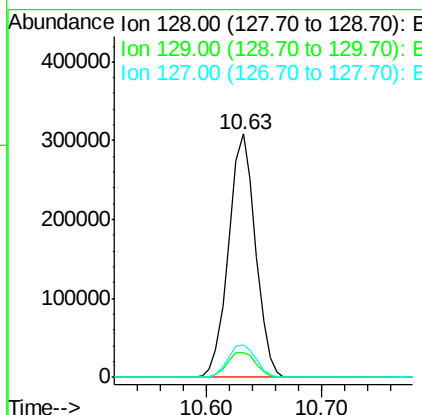
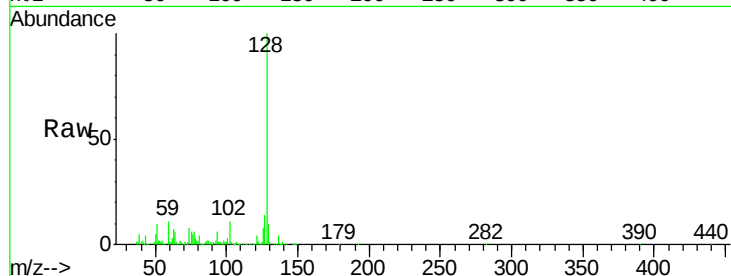




#31
Naphthalene
Concen: 39.58 ng
RT: 10.63 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

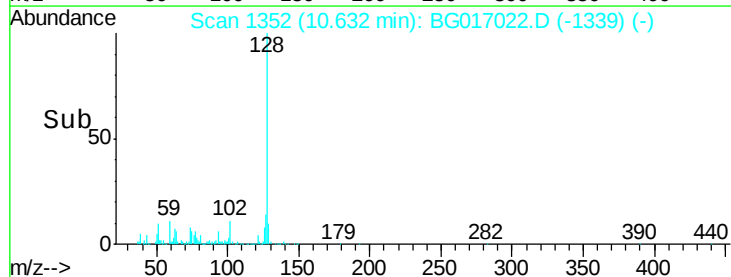
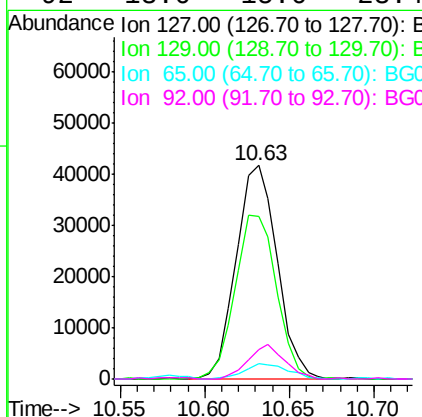
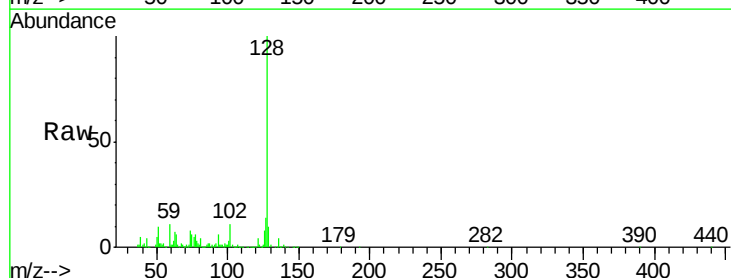
Instrument :
BNA_G
ClientSampleId :
MW-106

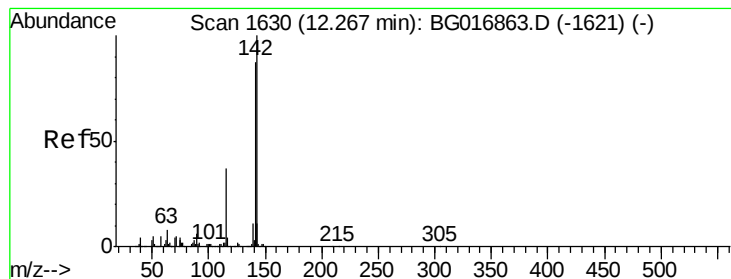
Tgt Ion:128 Resp: 497233
Ion Ratio Lower Upper
128 100
129 10.3 9.1 13.7
127 13.5 10.9 16.3



#33
4-Chloroaniline
Concen: 12.11 ng
RT: 10.63 min Scan# 1352
Delta R.T. -0.13 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion:127 Resp: 70252
Ion Ratio Lower Upper
127 100
129 76.4 25.8 38.6#
65 7.3 28.2 42.2#
92 13.6 15.6 23.4#





#37

2-Methylnaphthalene

Concen: 10.44 ng

RT: 12.24 min Scan# 1626

Delta R.T. -0.03 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

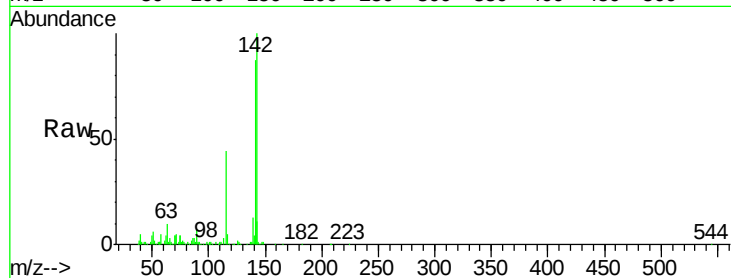
Tgt Ion:142 Resp: 99913

Ion Ratio Lower Upper

142 100

141 86.5 69.9 104.9

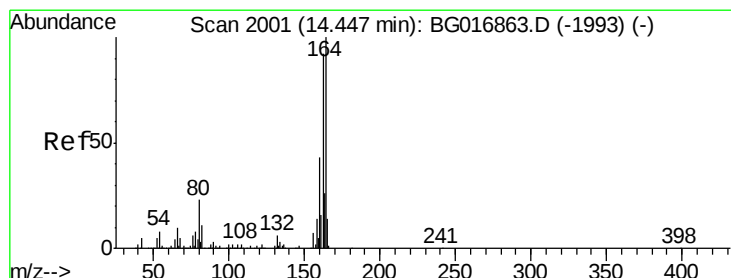
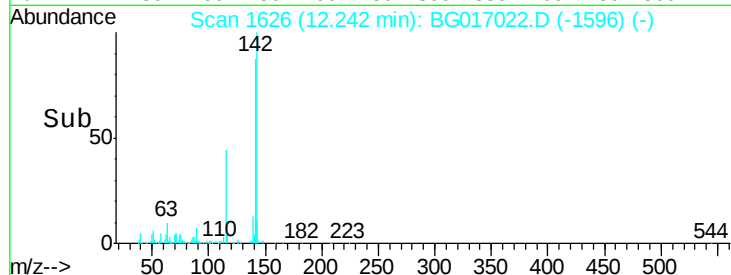
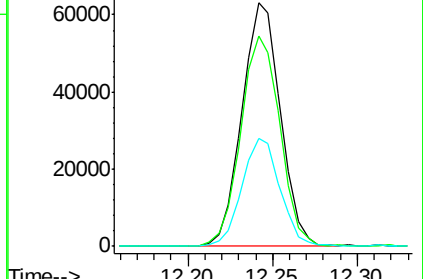
115 44.4 29.8 44.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

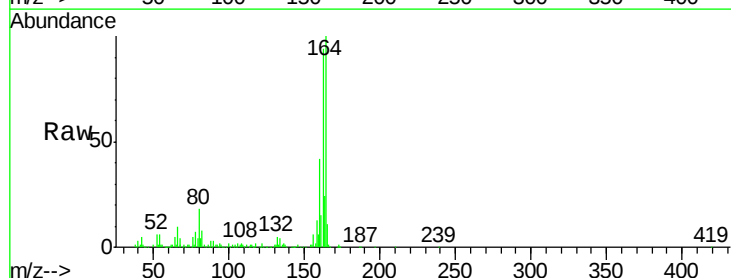
Tgt Ion:164 Resp: 169968

Ion Ratio Lower Upper

164 100

162 93.9 74.0 111.0

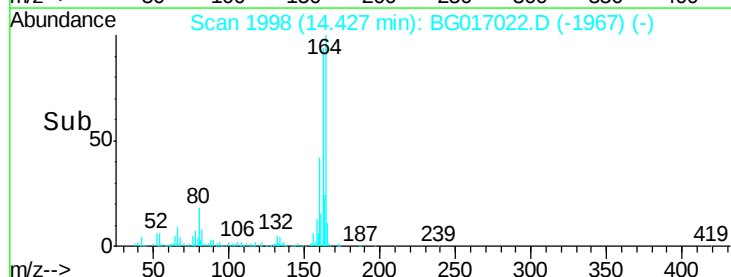
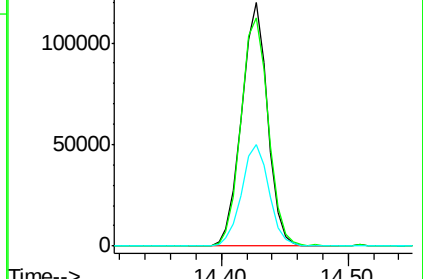
160 41.8 34.7 52.1

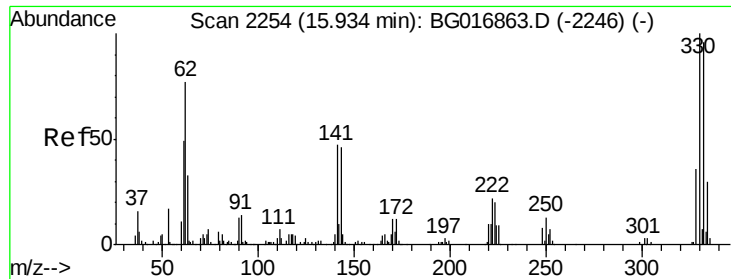


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 187.91 ng

RT: 15.92 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

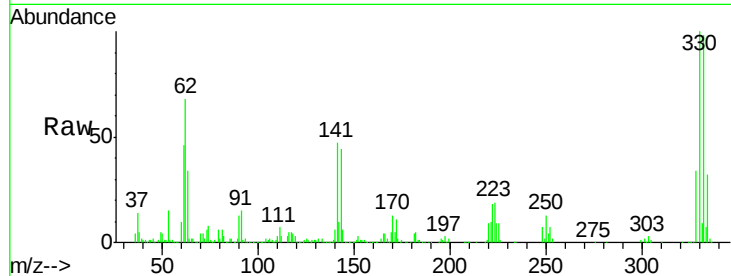
Tgt Ion:330 Resp: 320630

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

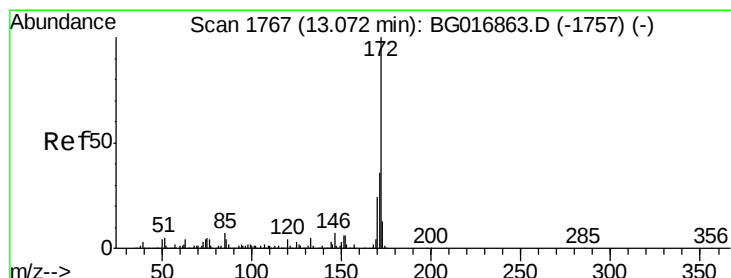
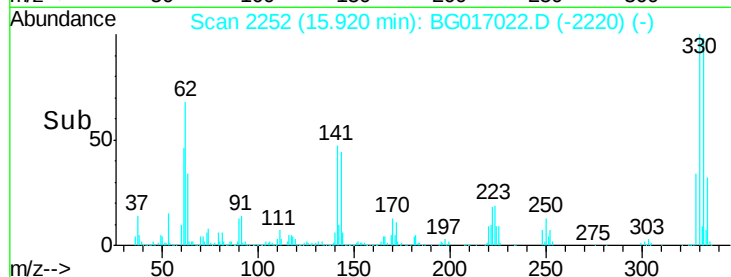
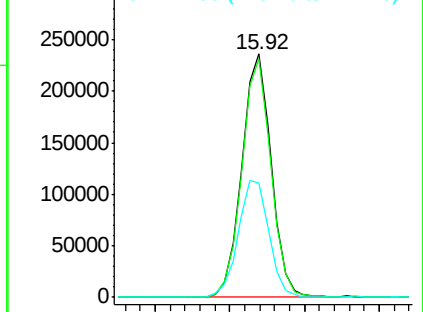
141 50.2 0.0 0.0#



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: 91.95 ng

RT: 13.05 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

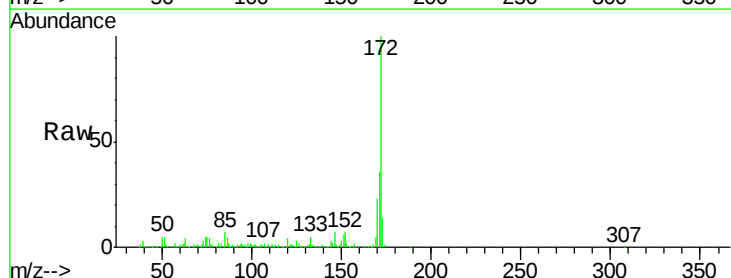
Tgt Ion:172 Resp: 1035669

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

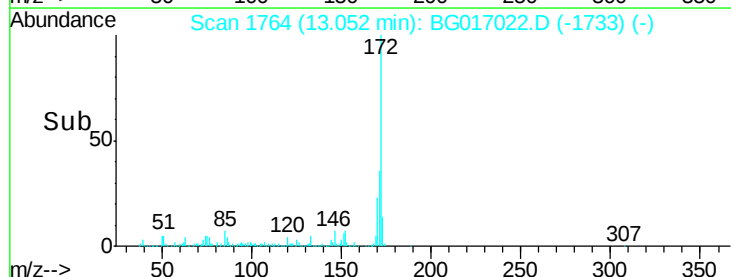
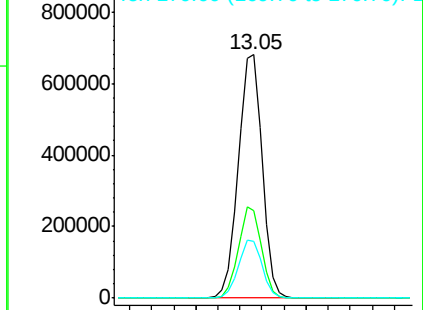
170 23.3 19.0 28.4

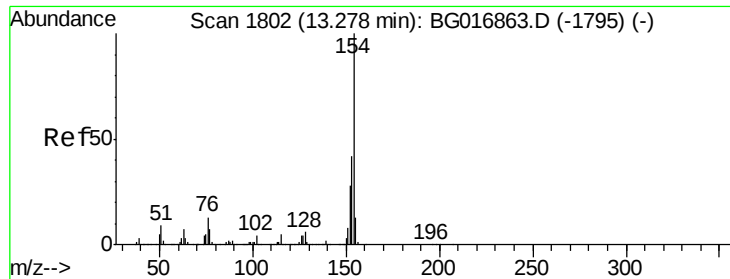


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

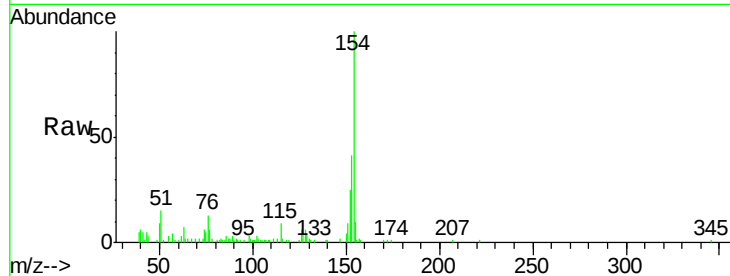




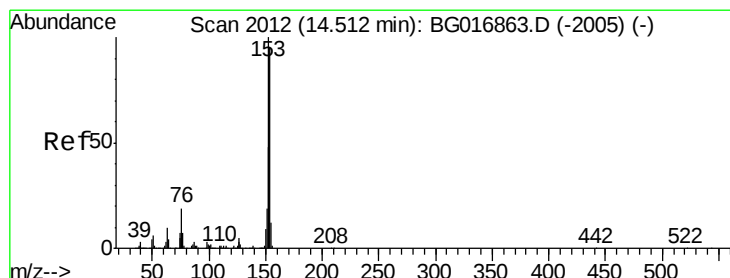
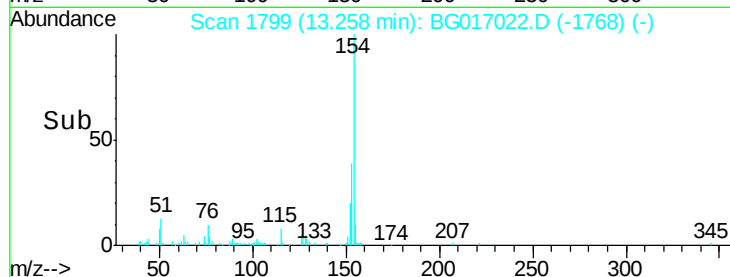
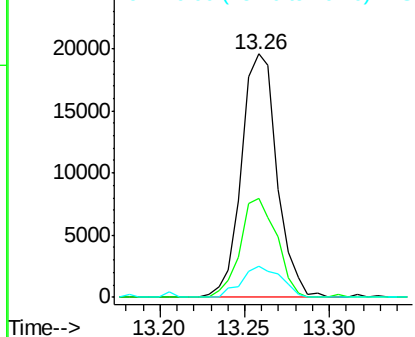
#45
 1,1'-Biphenyl
 Concen: 2.36 ng
 RT: 13.26 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Instrument :
 BNA_G
 ClientSampled :
 MW-106

Tgt Ion:154 Resp: 28751
 Ion Ratio Lower Upper
 154 100
 153 40.6 22.0 62.0
 76 13.0 0.0 33.3

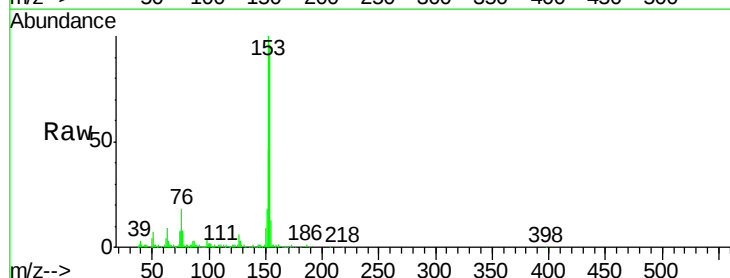


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

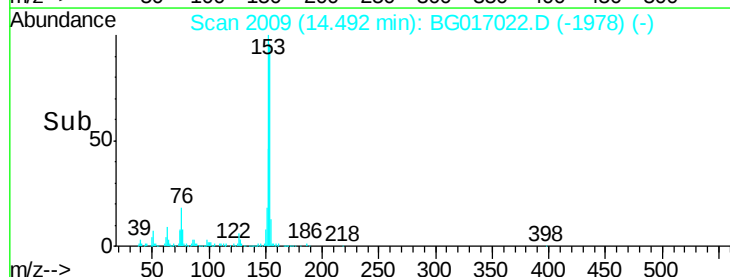
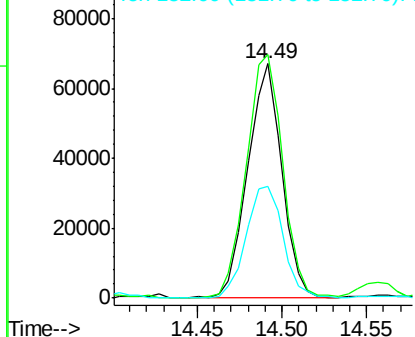


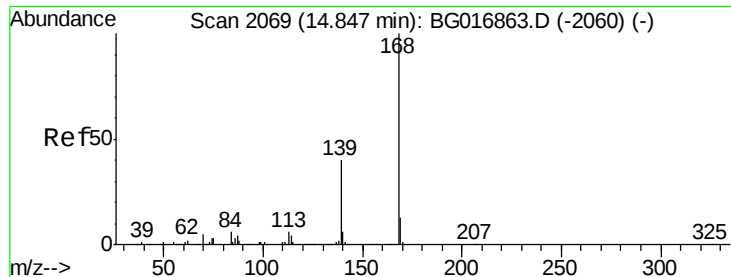
#51
 Acenaphthene
 Concen: 9.42 ng
 RT: 14.49 min Scan# 2009
 Delta R.T. -0.02 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Tgt Ion:154 Resp: 94148
 Ion Ratio Lower Upper
 154 100
 153 103.8 84.2 126.4
 152 47.9 40.2 60.2



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

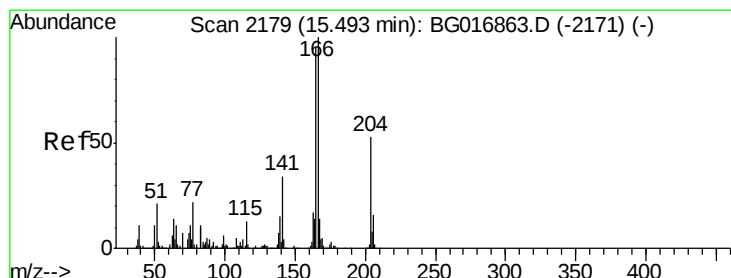
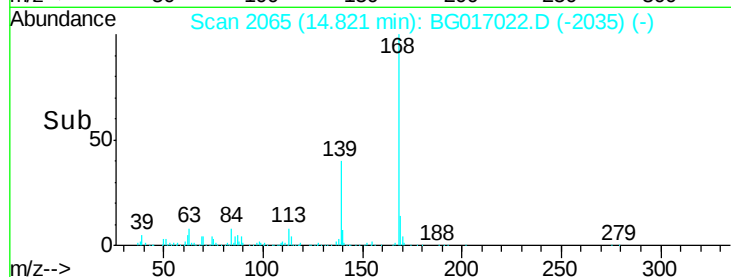
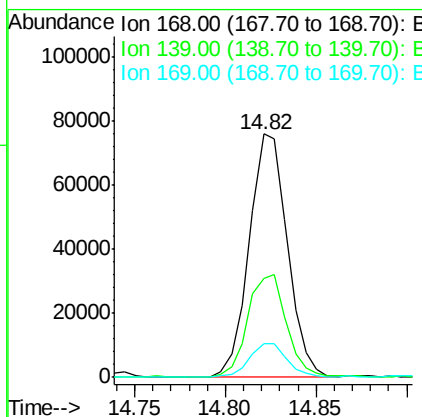
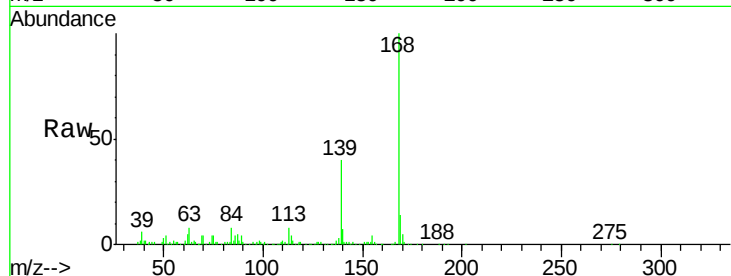




#54
Dibenzenofuran
Concen: 7.86 ng
RT: 14.82 min Scan# 2065
Delta R.T. -0.03 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

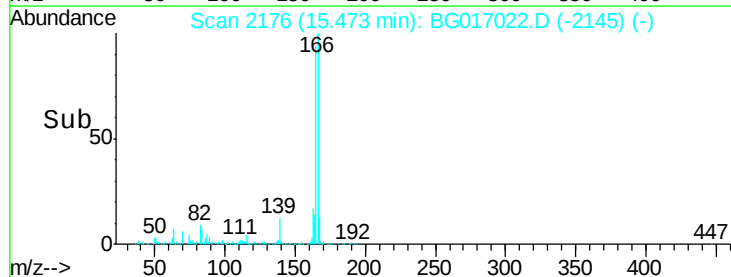
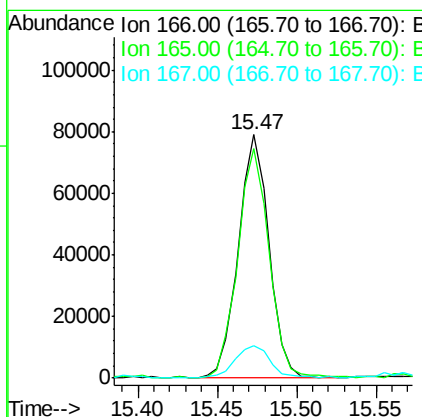
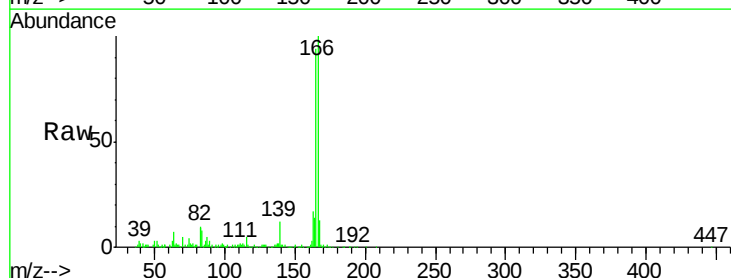
Instrument :
BNA_G
ClientSampleId :
MW-106

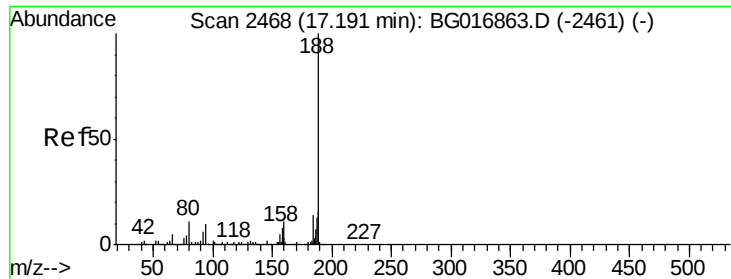
Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.5	48.7
169	13.9	10.4	15.6



#57
Fluorene
Concen: 8.46 ng
RT: 15.47 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.4	76.1	114.1
167	13.1	11.4	17.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

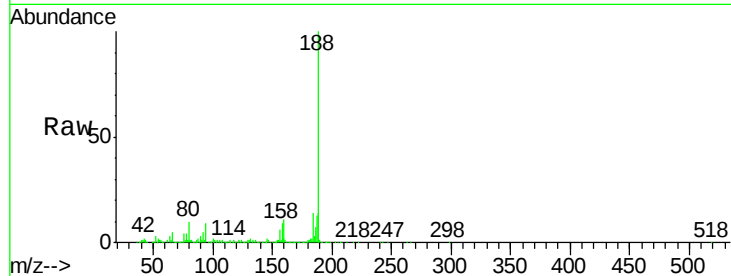
Tgt Ion:188 Resp: 388316

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

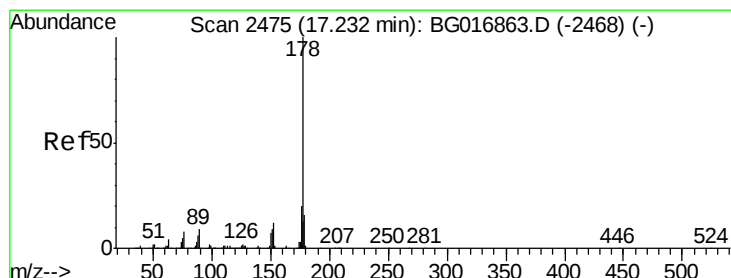
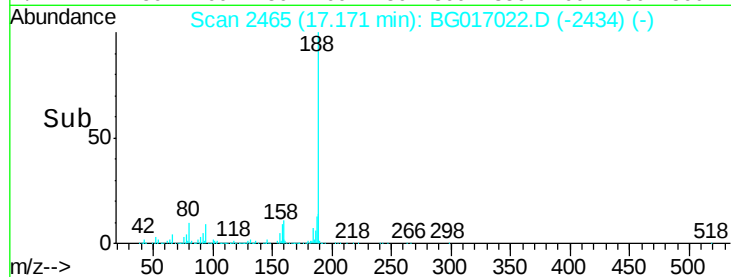
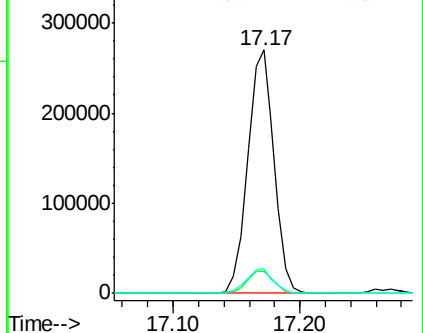
80 10.2 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 16.02 ng

RT: 17.21 min Scan# 2472

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

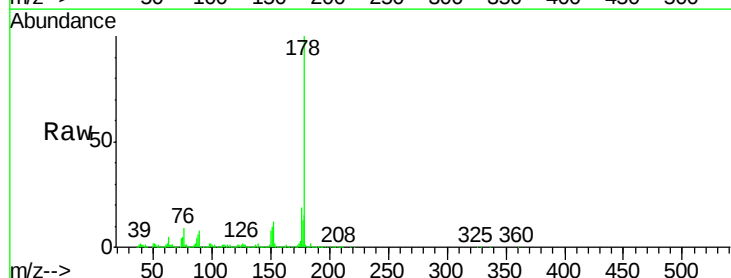
Tgt Ion:178 Resp: 320149

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

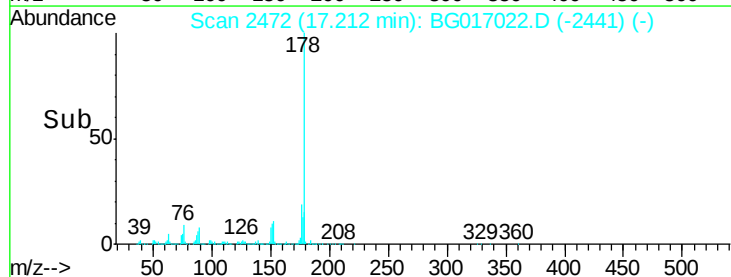
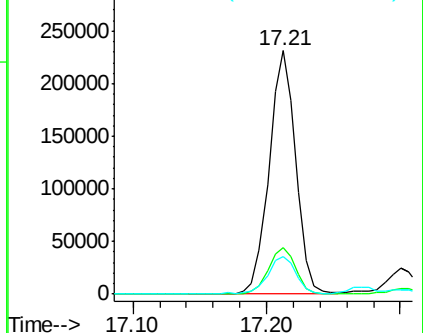
179 15.2 13.0 19.6

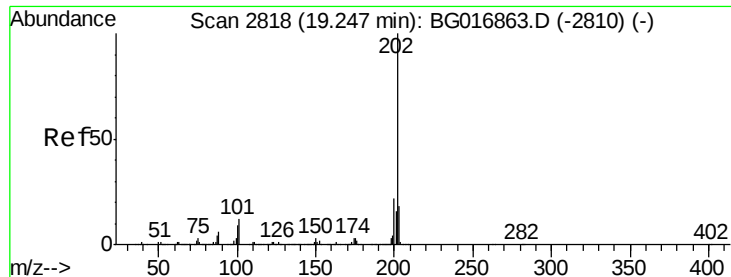


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.79 ng

RT: 19.23 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

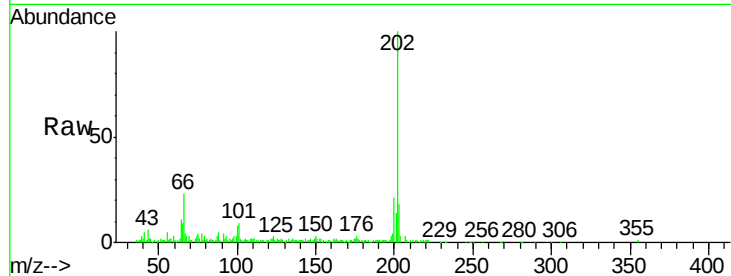
Instrument :

BNA_G

ClientSampleId :

MW-106

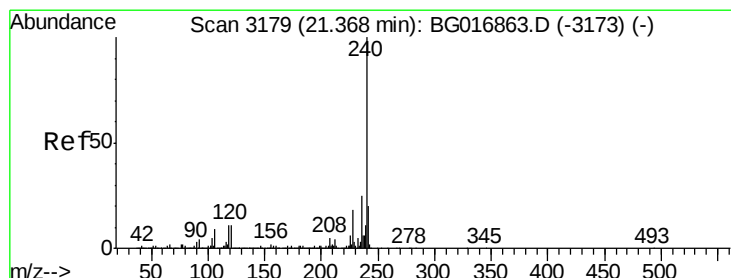
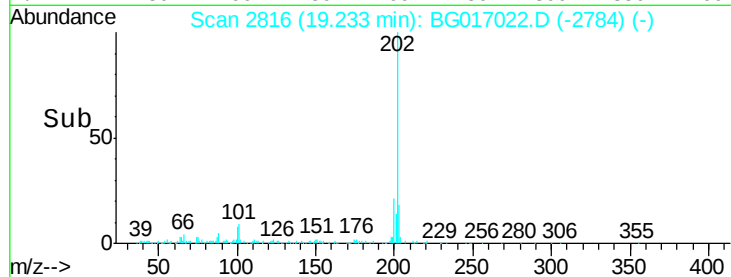
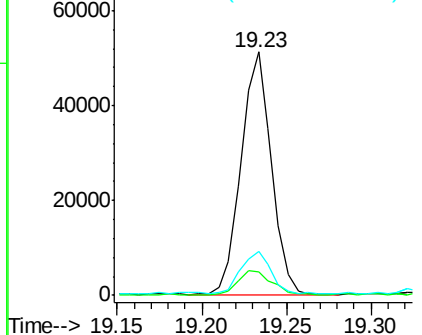
Tgt Ion:	202	Resp:	64629
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.5
203	17.9	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

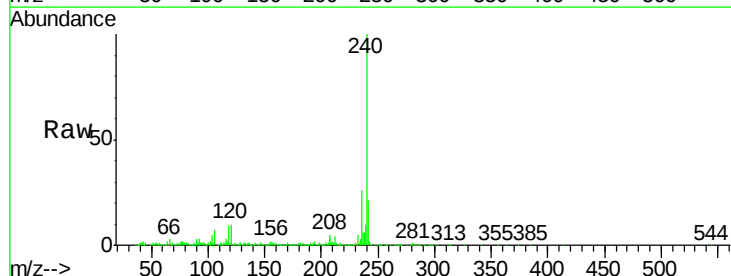
RT: 21.34 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

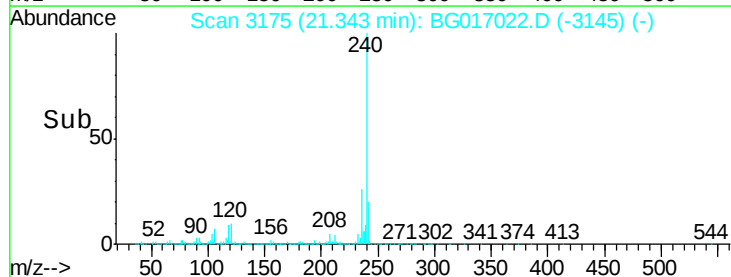
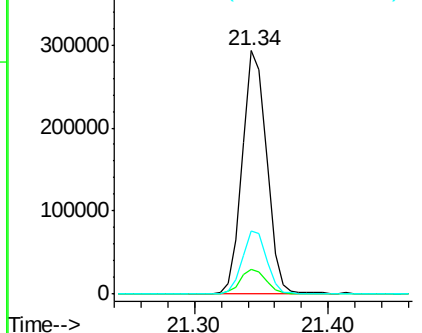
Tgt Ion:	240	Resp:	371474
Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.1	13.7
236	26.0	20.2	30.4

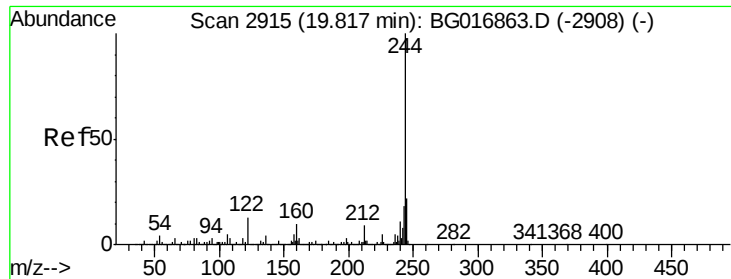


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 93.81 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

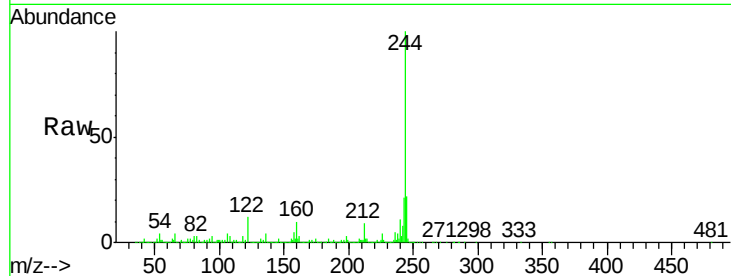
Tgt Ion:244 Resp: 1486591

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

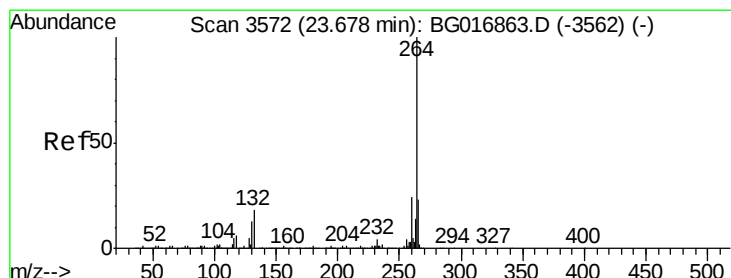
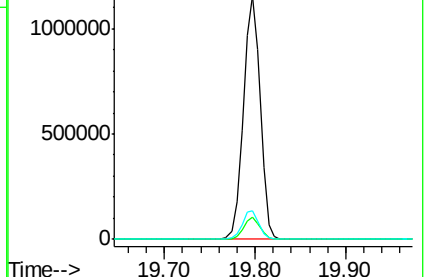
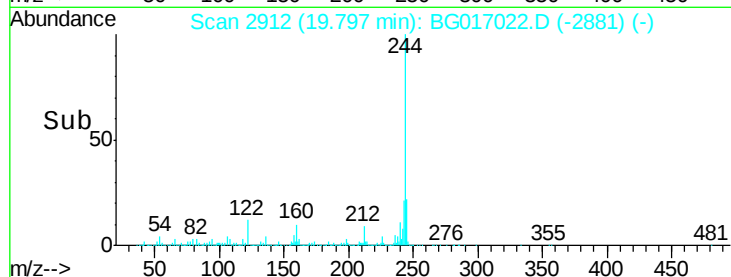
122 11.9 10.4 15.6



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: 23.64 min Scan# 3566

Delta R.T. -0.04 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

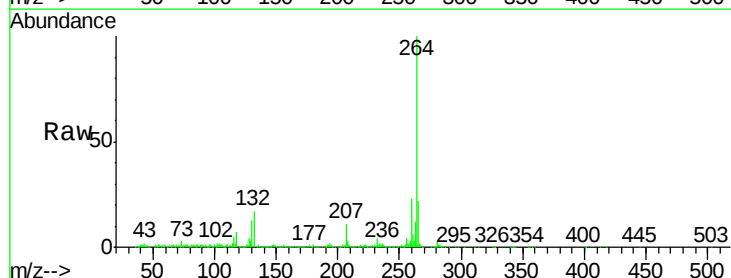
Tgt Ion:264 Resp: 369001

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.0 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

