

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG016961.D
 Acq On : 8 May 2015 17:44
 Operator : TP/IZ
 Sample : G2038-01DL2 25X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL2

Quant Time: May 09 00:06:07 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 23:46:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	51300	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	240013	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	161386	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	375785	20.00	ng	0.00
75) Chrysene-d12	21.35	240	383789	20.00	ng	-0.01
86) Perylene-d12	23.64	264	367791	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	8707	2.96	ng	0.00
7) Phenol-d6	6.96	99	9768	2.32	ng	0.00
23) Nitrobenzene-d5	8.94	82	22157	4.51	ng	0.00
41) 2,4,6-Tribromophenol	15.91	330	12106	7.47	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	49053	4.59	ng	0.00
78) Terphenyl-d14	19.80	244	76214	4.66	ng	-0.01

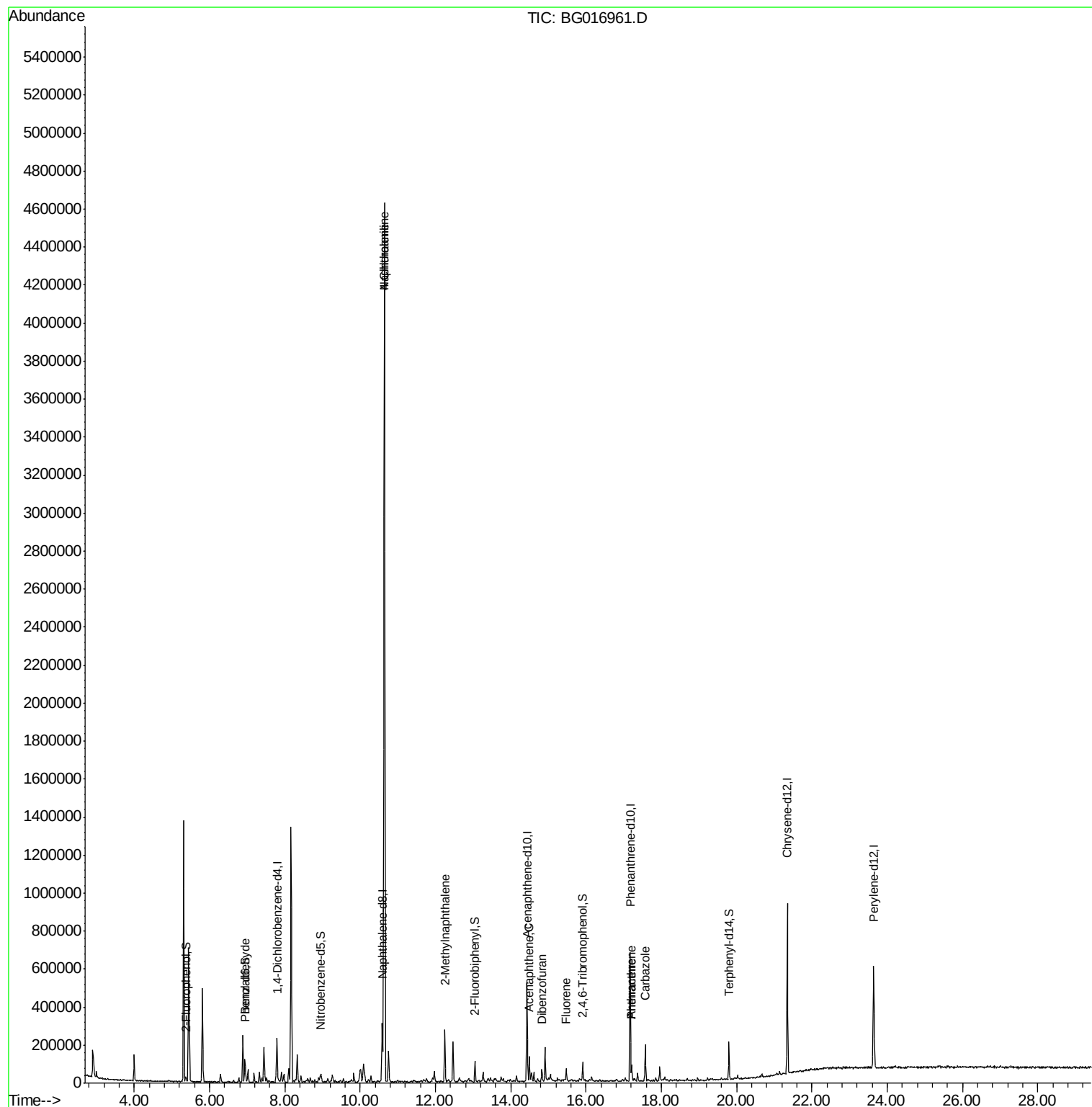
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.94	77	11531	3.29	ng	# 1
31) Naphthalene	10.64	128	3170220	265.56	ng	# 88
33) 4-Chloroaniline	10.64	127	537975	97.58	ng	# 34
37) 2-Methylnaphthalene	12.25	142	120883	13.29	ng	95
51) Acenaphthene	14.49	154	42788	4.51	ng	97
54) Dibenzofuran	14.83	168	31731	2.36	ng	# 97
57) Fluorene	15.48	166	26035	2.18	ng	90
70) Phenanthrene	17.22	178	43294	2.24	ng	97
71) Anthracene	17.22	178	43294	2.22	ng	98
72) Carbazole	17.58	167	105073	5.67	ng	97

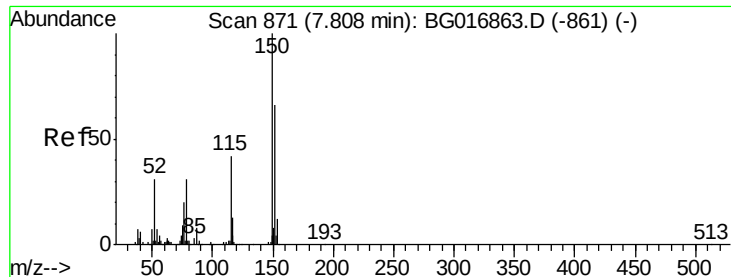
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. -0.00 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

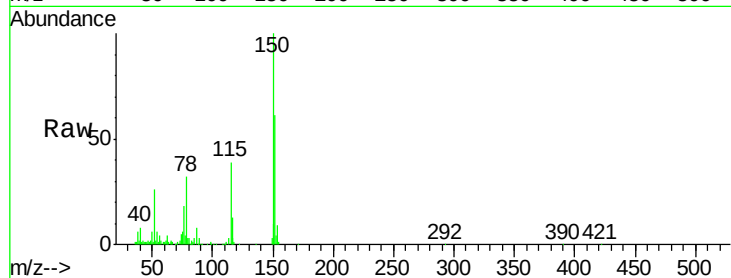
Tgt Ion:152 Resp: 51300

Ion Ratio Lower Upper

152 100

150 162.6 121.0 181.4

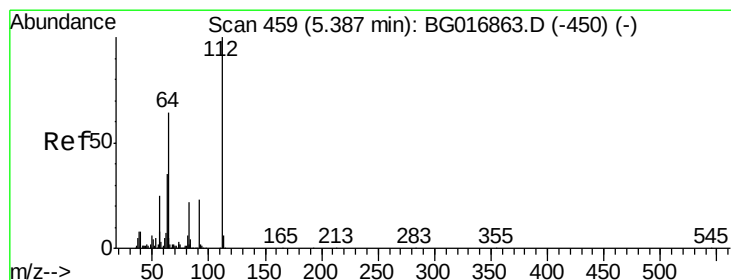
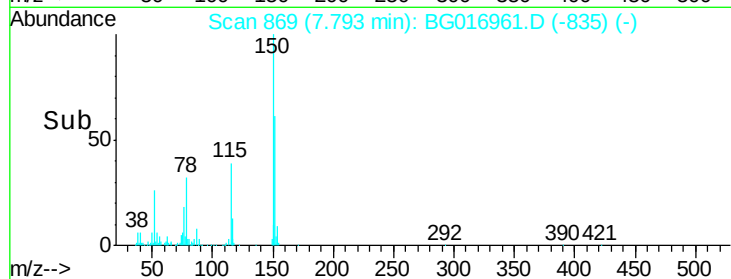
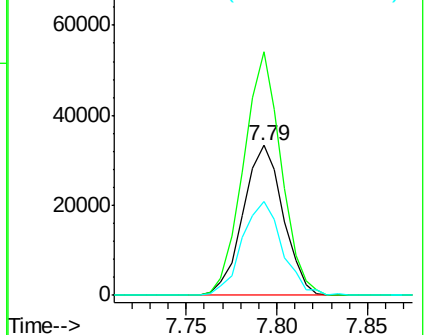
115 63.1 50.5 75.7



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: 2.96 ng

RT: 5.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

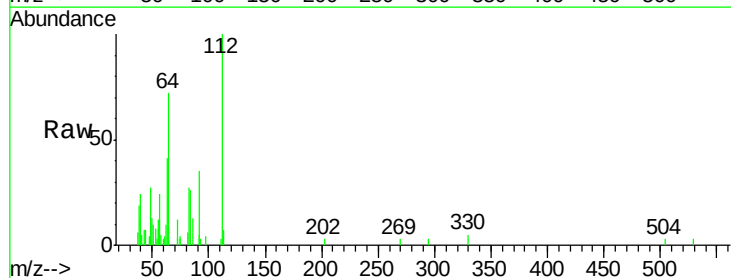
Tgt Ion:112 Resp: 8707

Ion Ratio Lower Upper

112 100

64 72.2 51.4 77.2

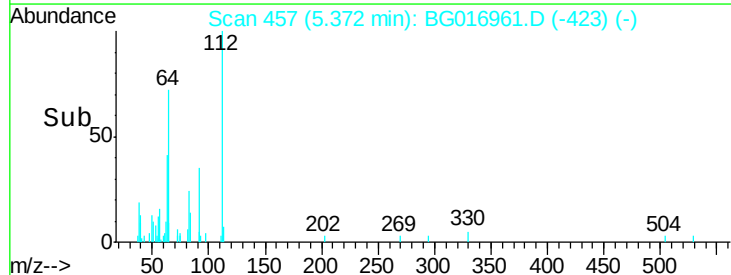
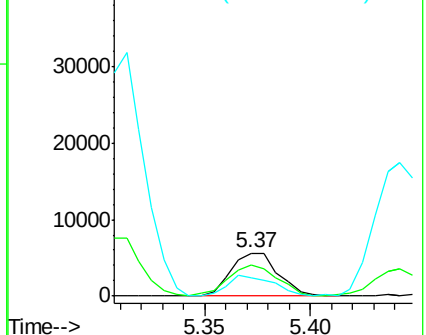
63 41.4 28.1 42.1

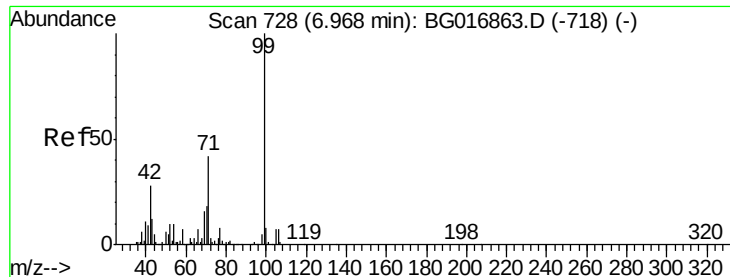


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 2.32 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

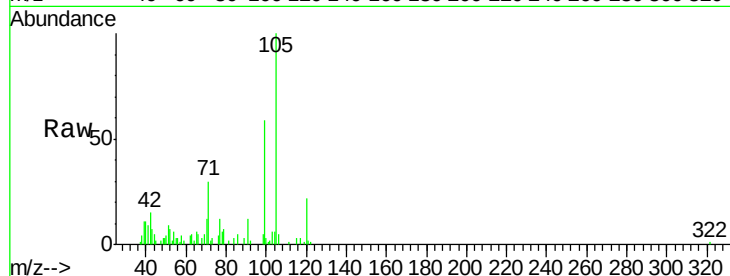
Tgt Ion: 99 Resp: 9768

Ion Ratio Lower Upper

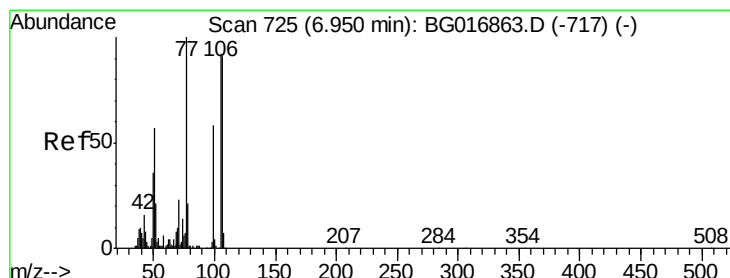
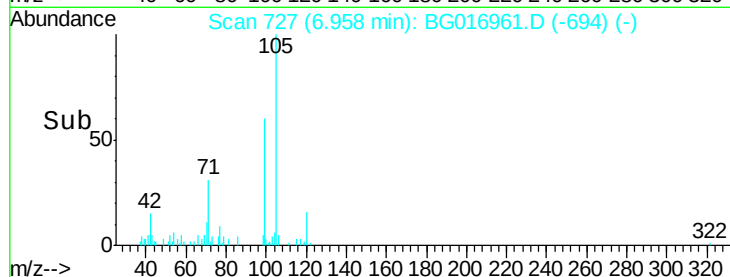
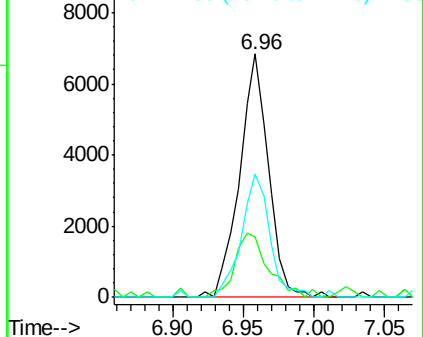
99 100

42 24.9 22.1 33.1

71 50.9 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



#9

Benzaldehyde

Concen: 3.29 ng

RT: 6.94 min Scan# 724

Delta R.T. 0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

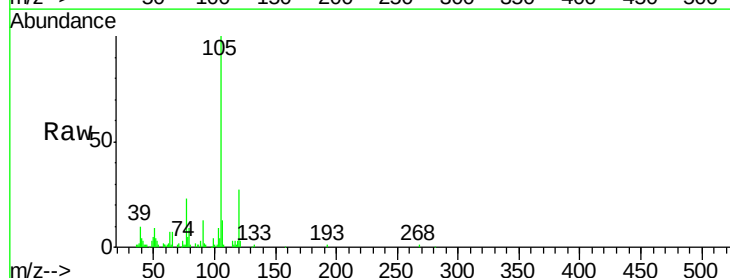
Tgt Ion: 77 Resp: 11531

Ion Ratio Lower Upper

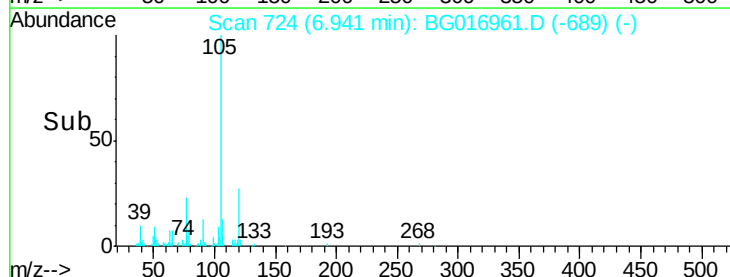
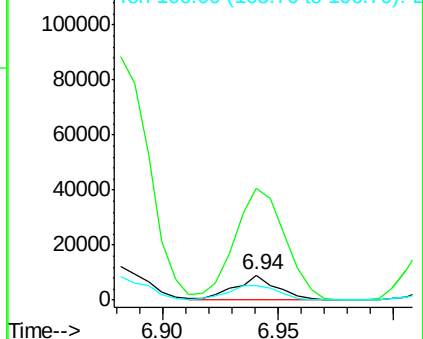
77 100

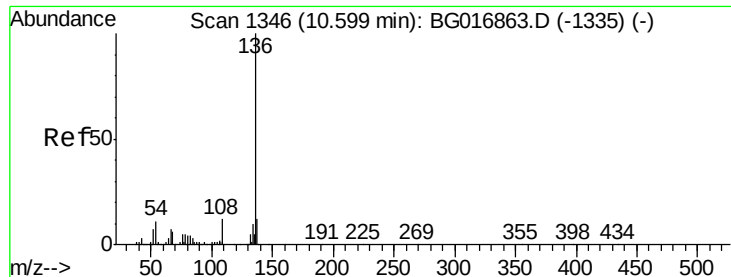
105 444.3 71.6 111.6#

106 57.0 71.5 111.5#



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

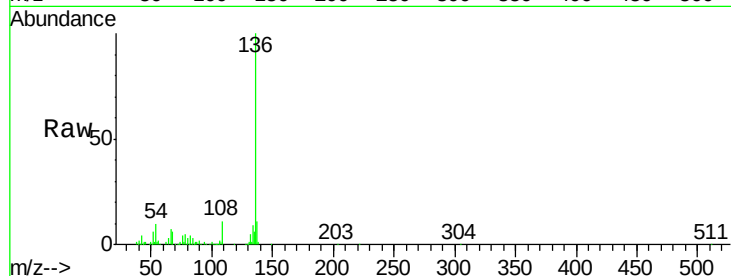




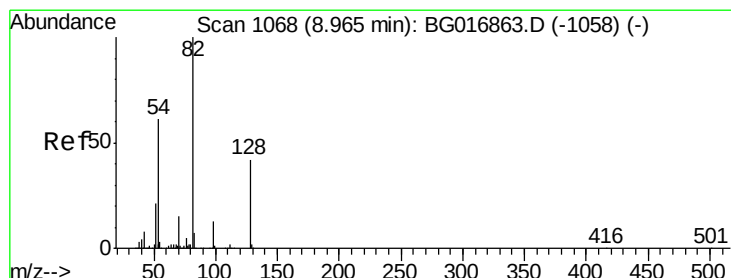
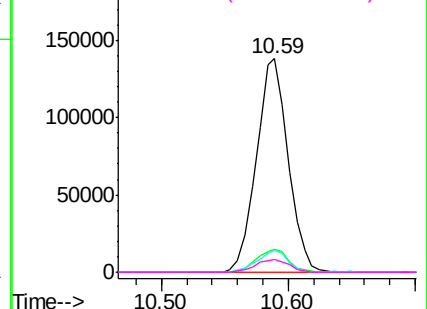
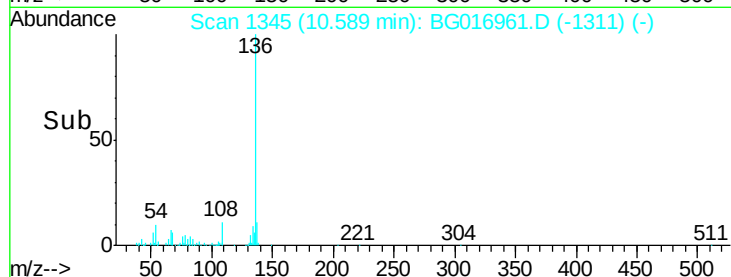
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

Tgt Ion:	136	Resp:	240013
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.8
54	10.0	8.7	13.1
68	5.9	5.0	7.4

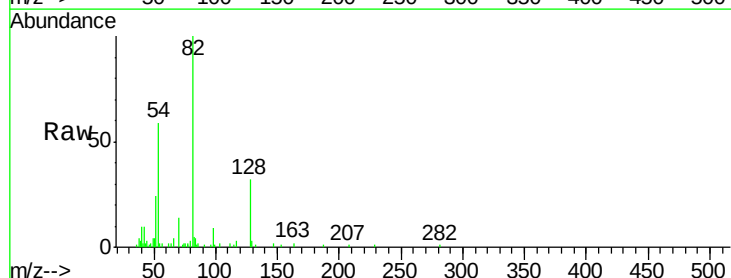


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

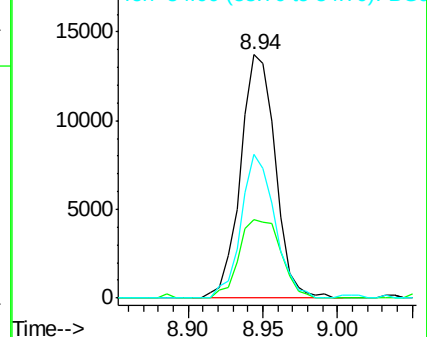
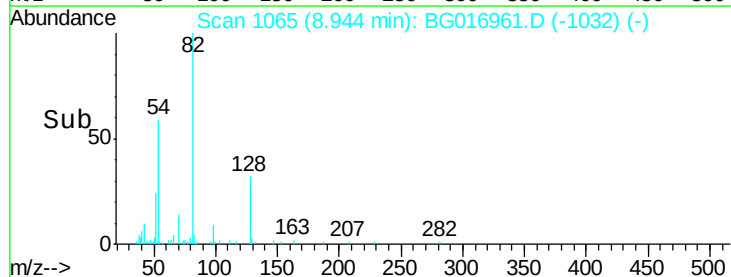


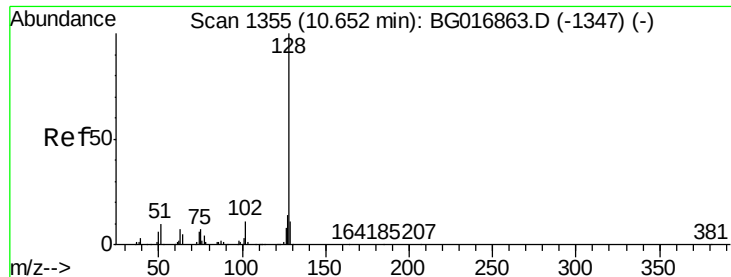
#23
Nitrobenzene-d5
Concen: 4.51 ng
RT: 8.94 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion:	82	Resp:	22157
Ion	Ratio	Lower	Upper
82	100		
128	32.2	33.2	49.8#
54	59.0	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

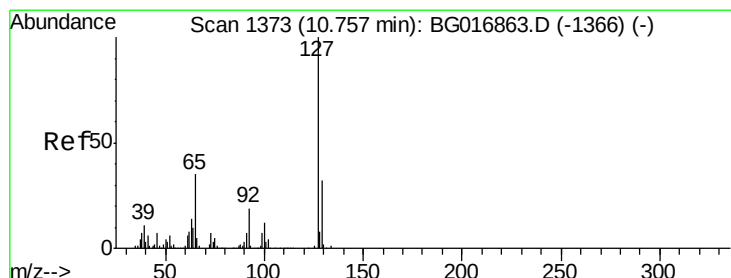
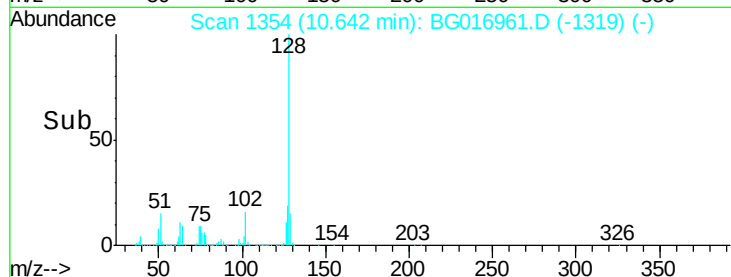
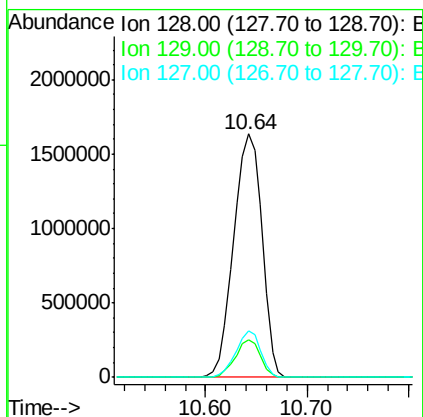
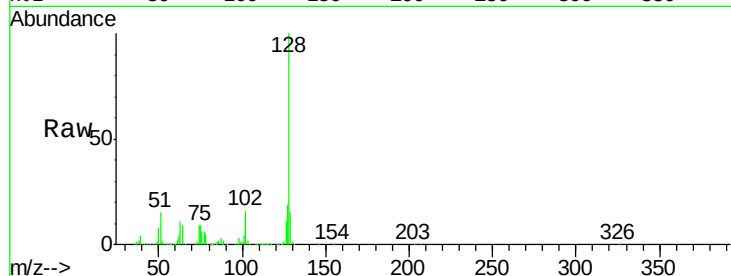




#31
Naphthalene
Concen: 265.56 ng
RT: 10.64 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

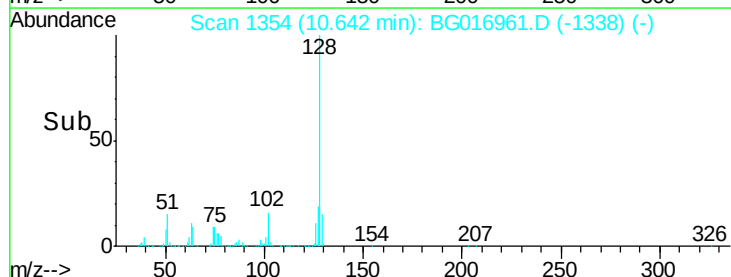
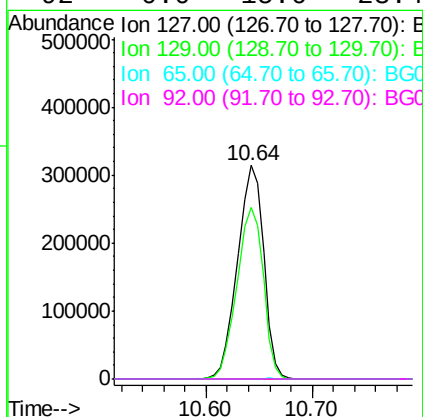
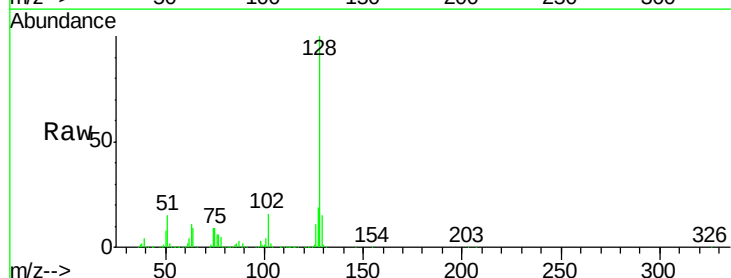
Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

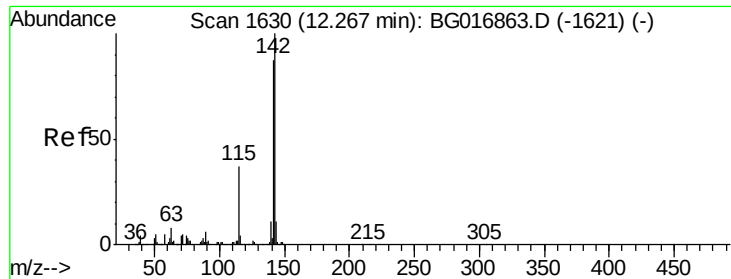
Tgt Ion:128 Resp: 3170220
Ion Ratio Lower Upper
128 100
129 15.5 9.1 13.7#
127 19.2 10.9 16.3#



#33
4-Chloroaniline
Concen: 97.58 ng
RT: 10.64 min Scan# 1354
Delta R.T. -0.11 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion:127 Resp: 537975
Ion Ratio Lower Upper
127 100
129 80.6 25.8 38.6#
65 0.0 28.2 42.2#
92 0.0 15.6 23.4#

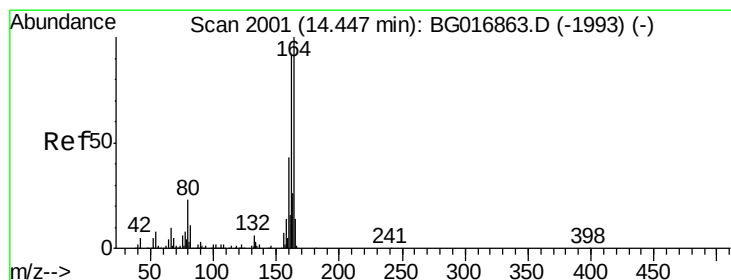
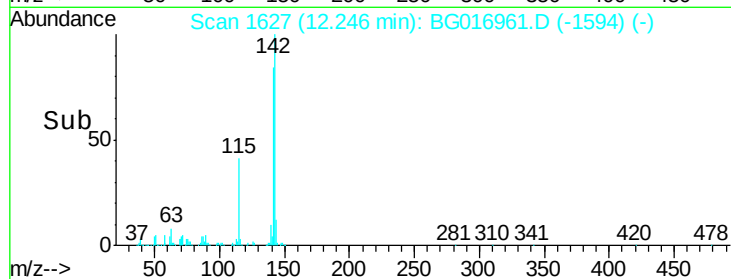
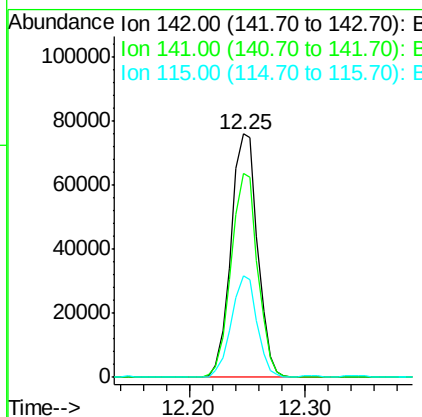
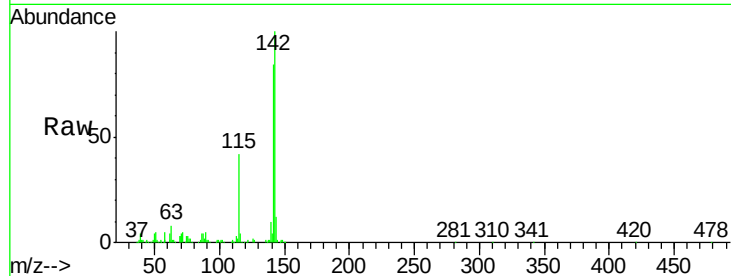




#37
 2-Methylnaphthalene
 Concen: 13.29 ng
 RT: 12.25 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BG016961.D
 Acq: 8 May 2015 17:44

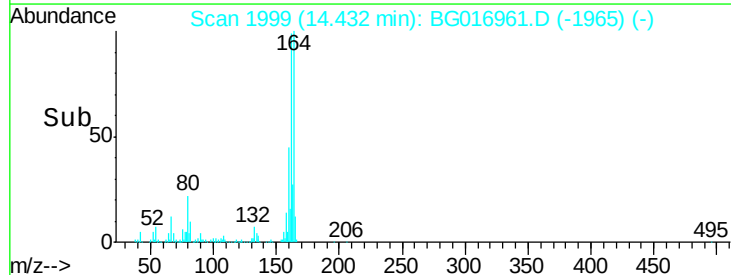
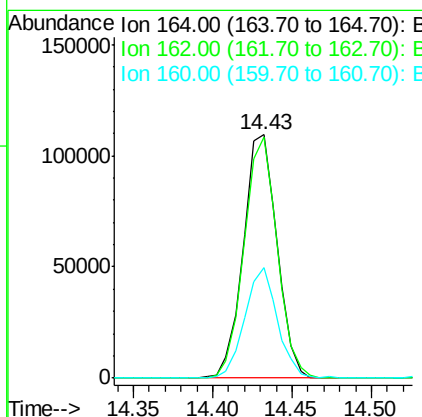
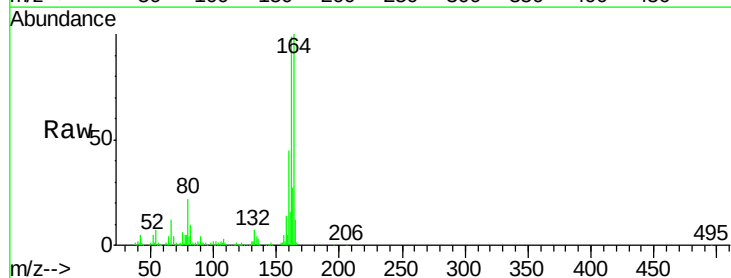
Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL2

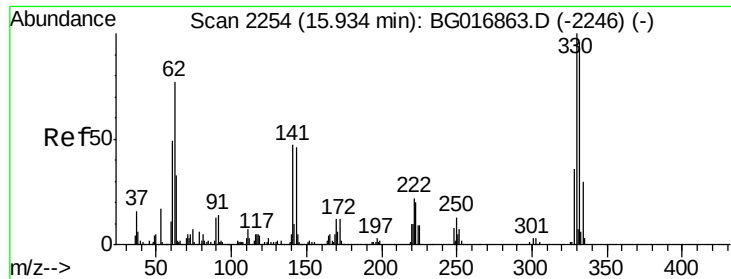
Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	69.9	104.9
115	41.7	29.8	44.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.43 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: BG016961.D
 Acq: 8 May 2015 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.9	74.0	111.0
160	45.4	34.7	52.1

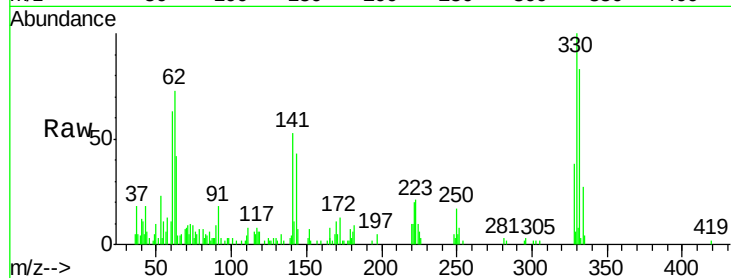




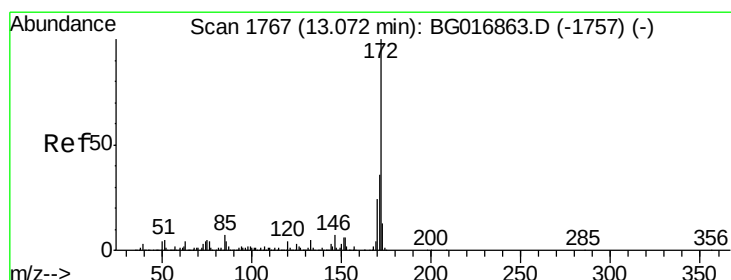
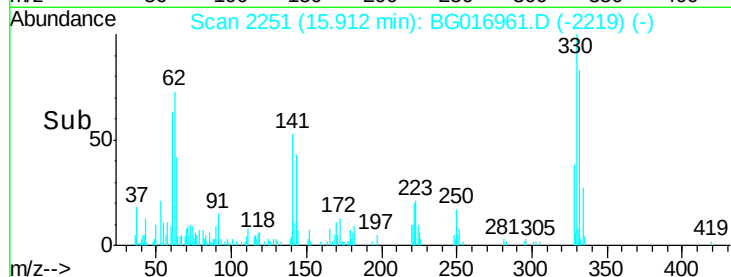
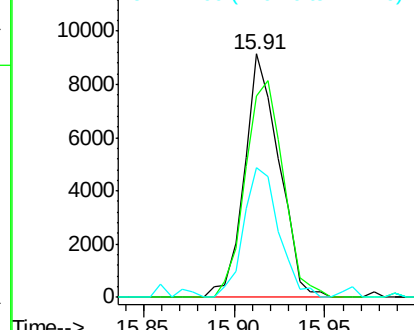
#41
2,4,6-Tribromophenol
Concen: 7.47 ng
RT: 15.91 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

Tgt Ion: 330 Resp: 12106
Ion Ratio Lower Upper
330 100
332 98.0 0.0 0.0#
141 54.4 0.0 0.0#

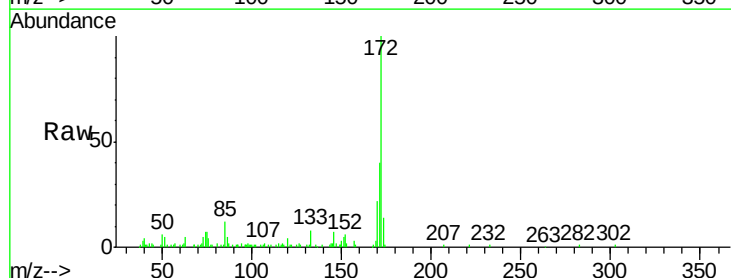


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

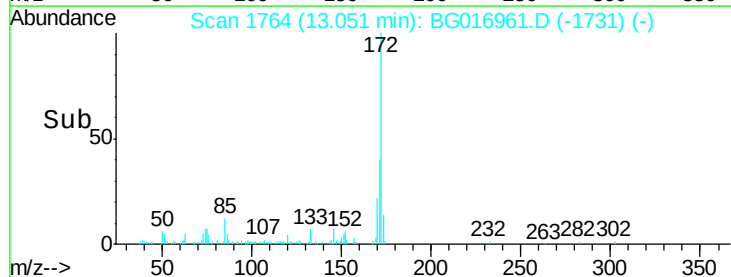
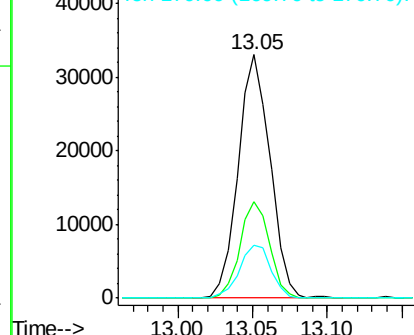


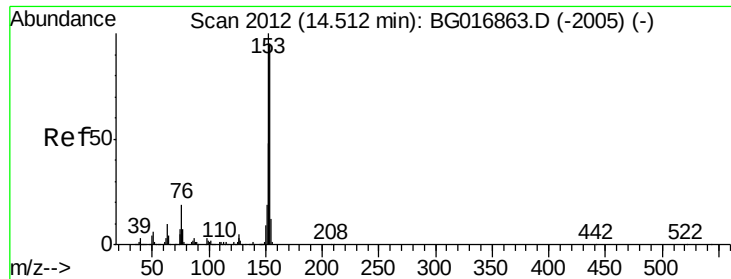
#44
2-Fluorobiphenyl
Concen: 4.59 ng
RT: 13.05 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion: 172 Resp: 49053
Ion Ratio Lower Upper
172 100
171 39.6 29.0 43.4
170 21.8 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





#51

Acenaphthene

Concen: 4.51 ng

RT: 14.49 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

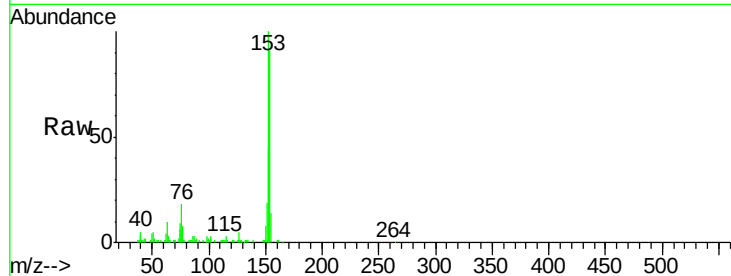
Tgt Ion:154 Resp: 42788

Ion Ratio Lower Upper

154 100

153 109.3 84.2 126.4

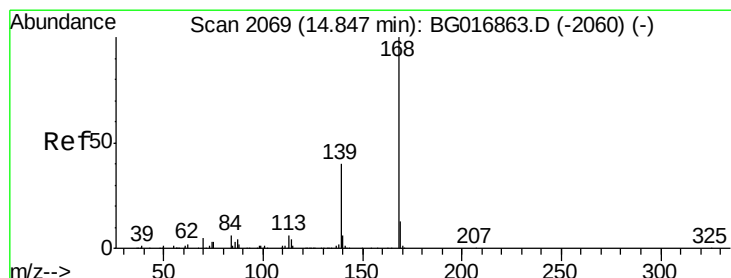
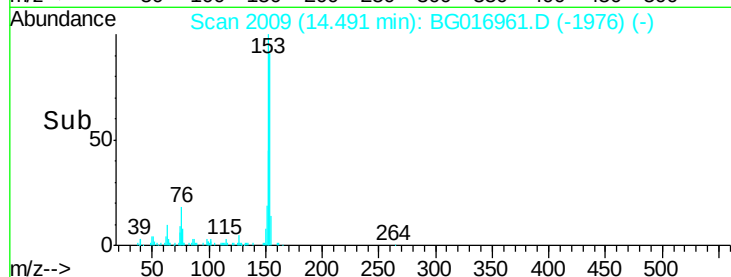
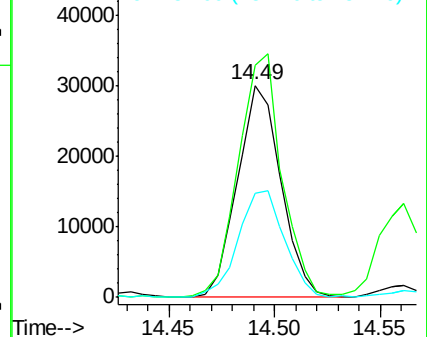
152 49.4 40.2 60.2



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

Dibenzofuran

Concen: 2.36 ng

RT: 14.83 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

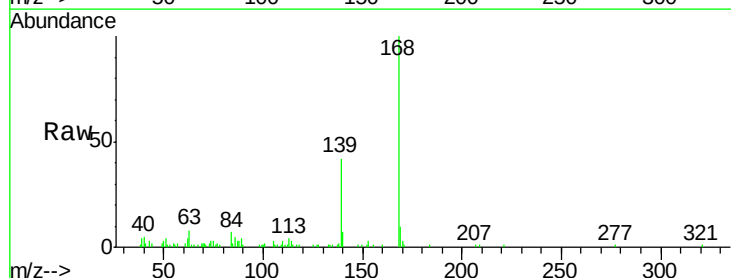
Tgt Ion:168 Resp: 31731

Ion Ratio Lower Upper

168 100

139 41.9 32.5 48.7

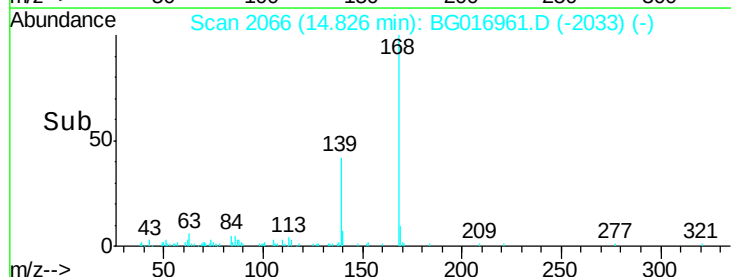
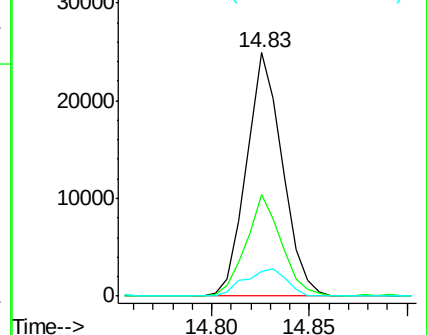
169 10.4 10.4 15.6#

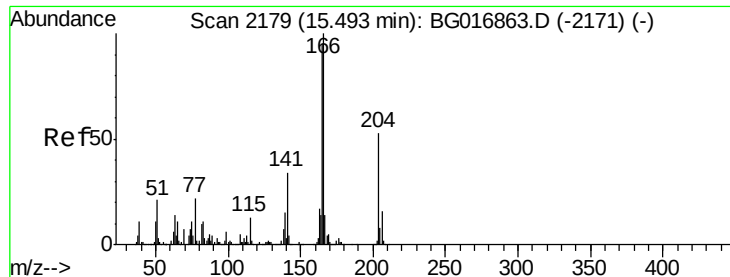


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

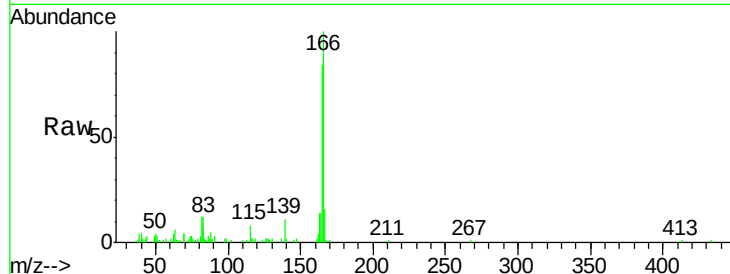




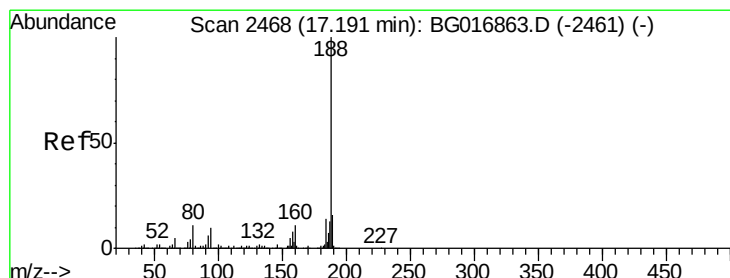
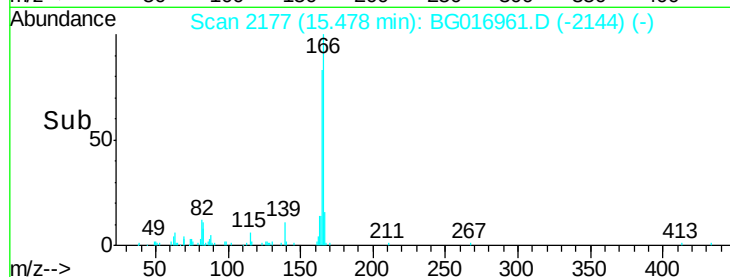
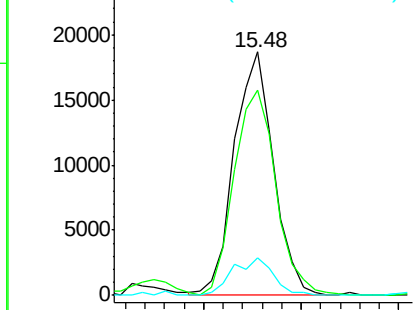
#57
Fluorene
 Concen: 2.18 ng
 RT: 15.48 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: BG016961.D
 Acq: 8 May 2015 17:44

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL2

Tgt Ion:166 Resp: 26035
 Ion Ratio Lower Upper
 166 100
 165 84.3 76.1 114.1
 167 15.6 11.4 17.2

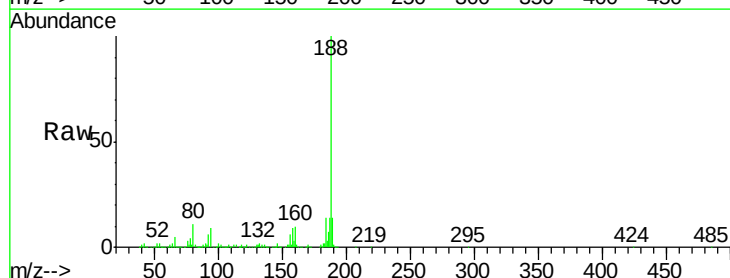


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

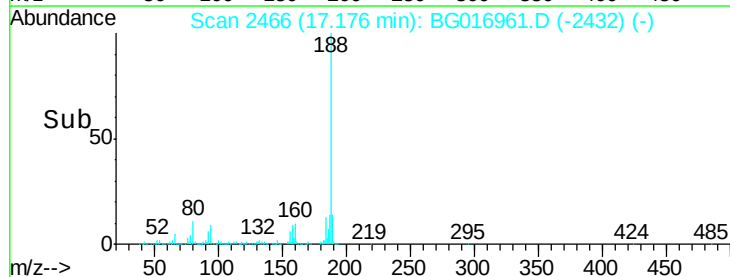
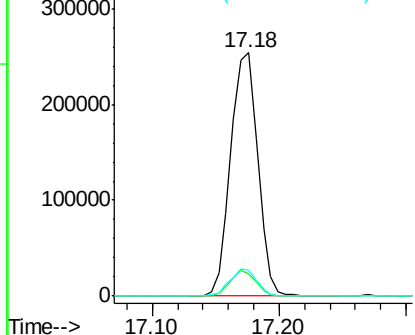


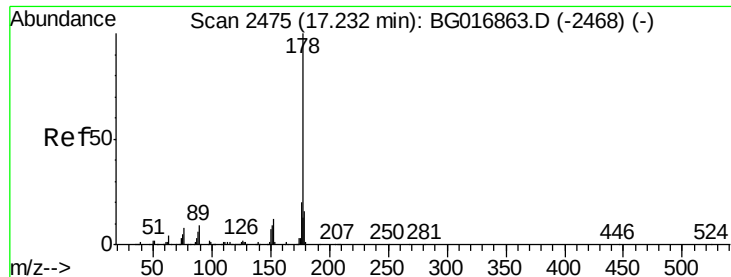
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.18 min Scan# 2466
 Delta R.T. -0.00 min
 Lab File: BG016961.D
 Acq: 8 May 2015 17:44

Tgt Ion:188 Resp: 375785
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.2 12.4
 80 10.9 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG016961.D (-2432) (-)
 Ion 80.00 (79.70 to 80.70): BG016961.D (-2432) (-)





#70

Phenanthrene

Concen: 2.24 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

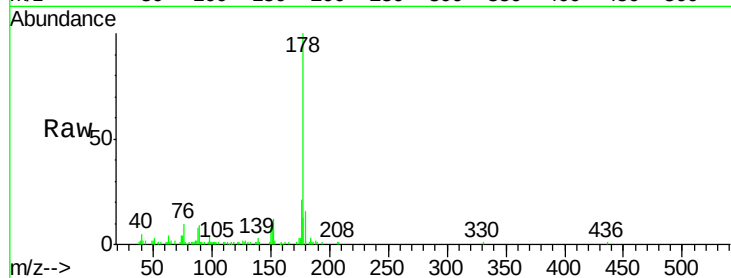
Tgt Ion:178 Resp: 43294

Ion Ratio Lower Upper

178 100

176 21.5 16.0 24.0

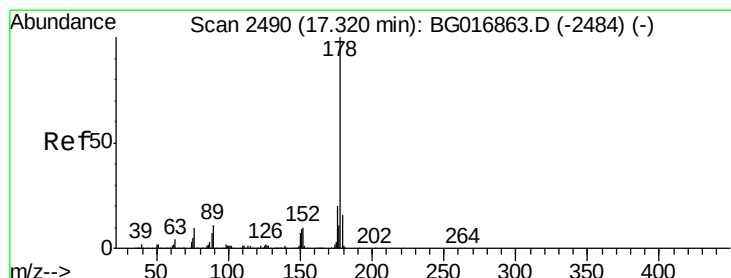
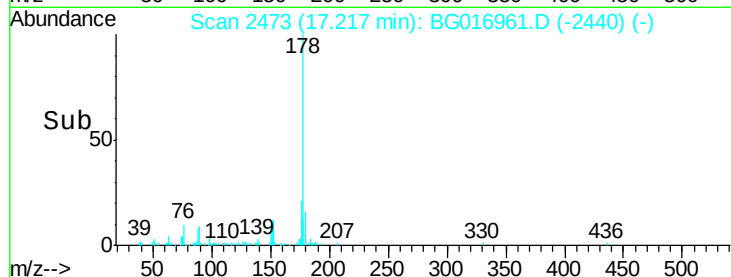
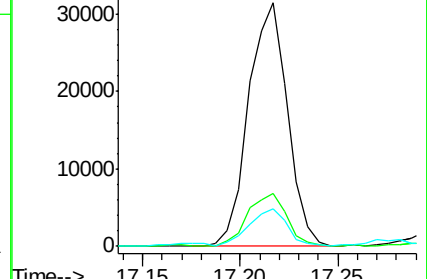
179 15.5 13.0 19.6



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



#71

Anthracene

Concen: 2.22 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.09 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

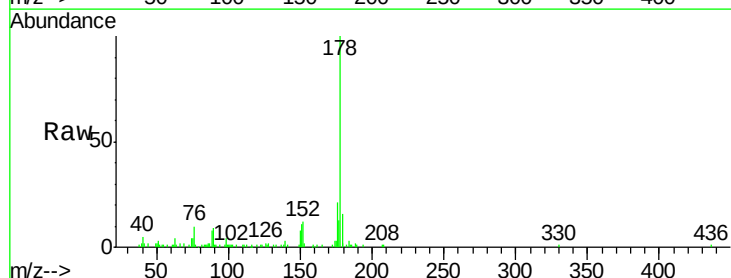
Tgt Ion:178 Resp: 43294

Ion Ratio Lower Upper

178 100

176 21.5 16.2 24.4

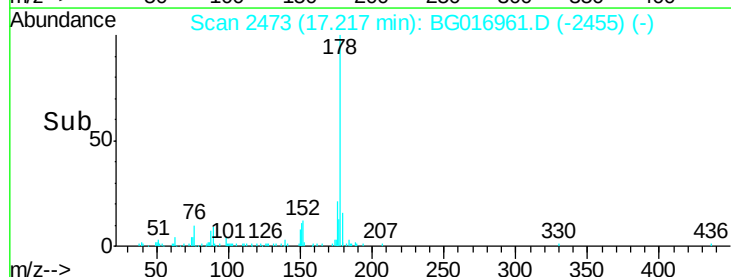
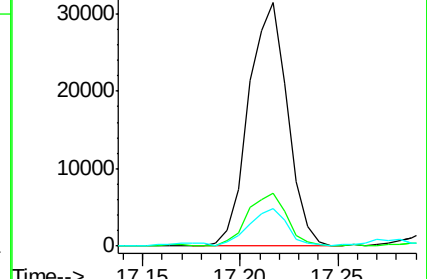
179 15.5 13.1 19.7

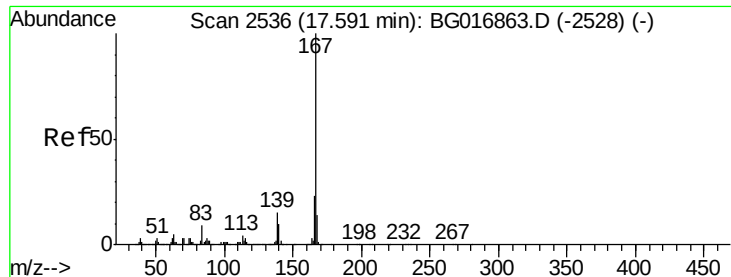


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.67 ng

RT: 17.58 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

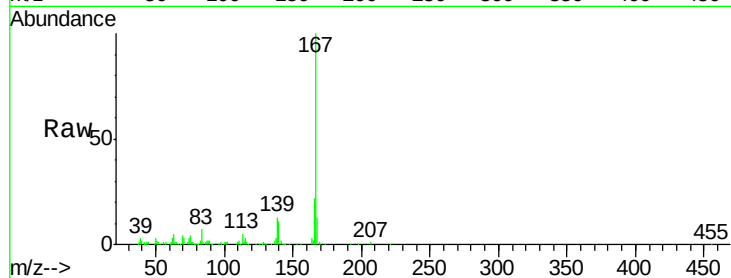
Tgt Ion:167 Resp: 105073

Ion Ratio Lower Upper

167 100

166 22.0 18.4 27.6

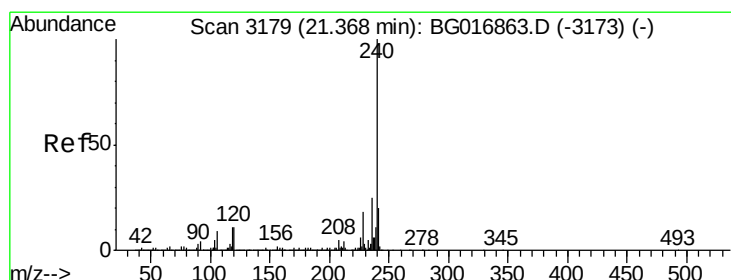
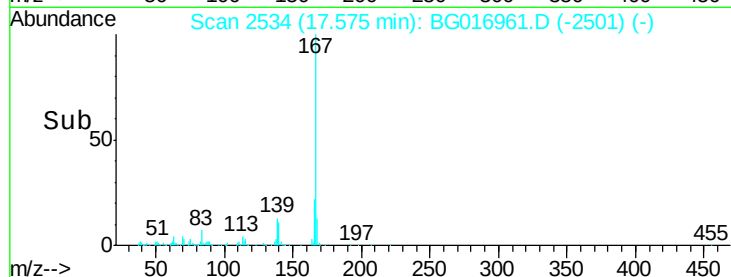
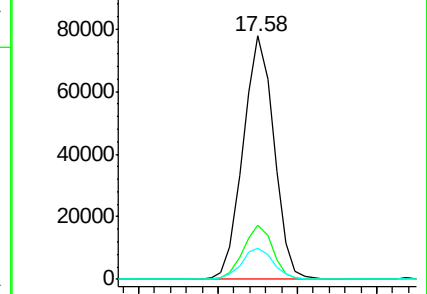
139 13.0 12.2 18.4



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

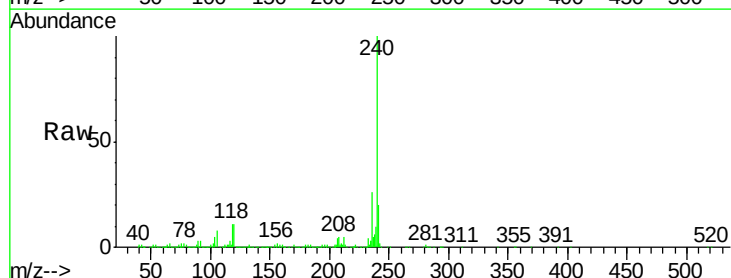
Tgt Ion:240 Resp: 383789

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

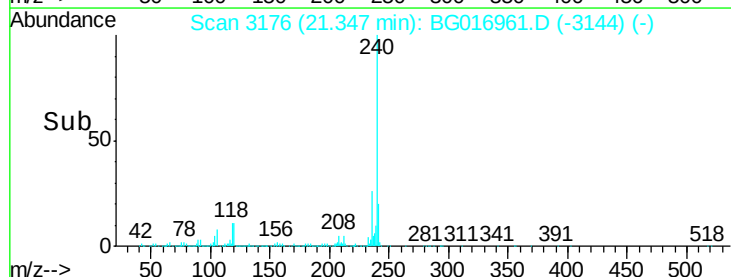
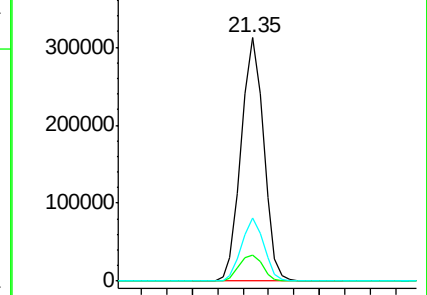
236 25.8 20.2 30.4

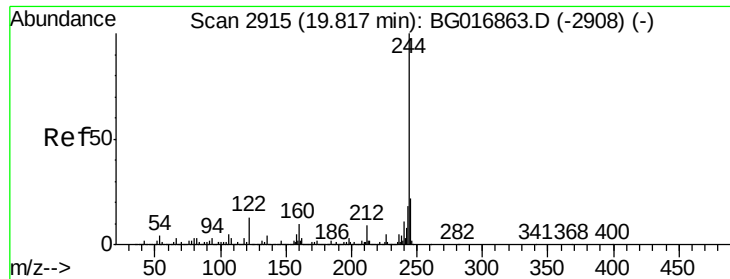


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 4.66 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

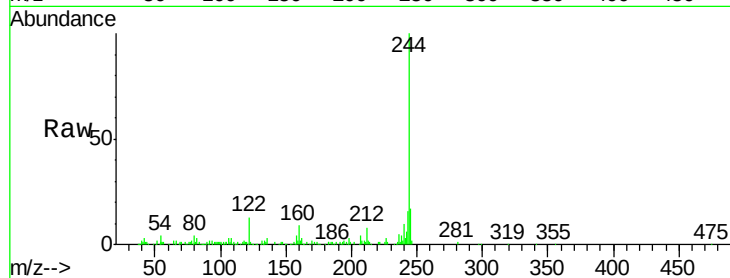
Tgt Ion:244 Resp: 76214

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.6

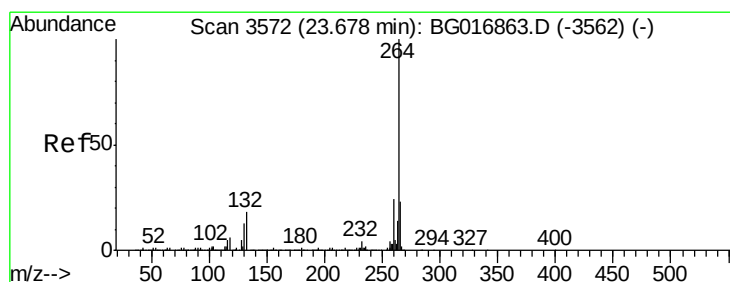
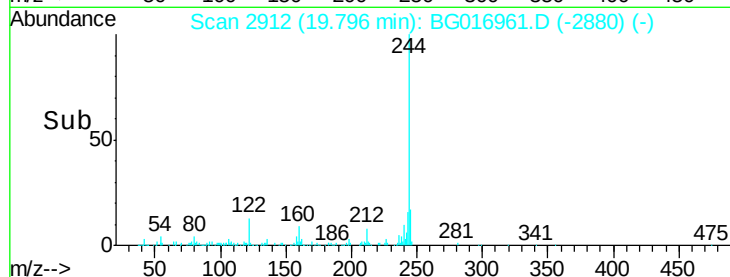
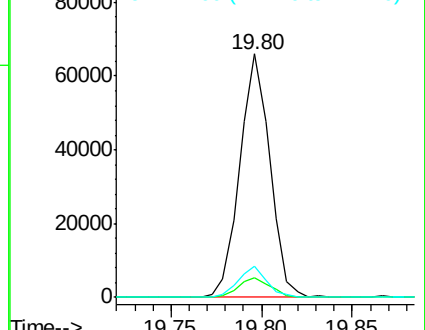
122 12.5 10.4 15.6



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# 3567

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

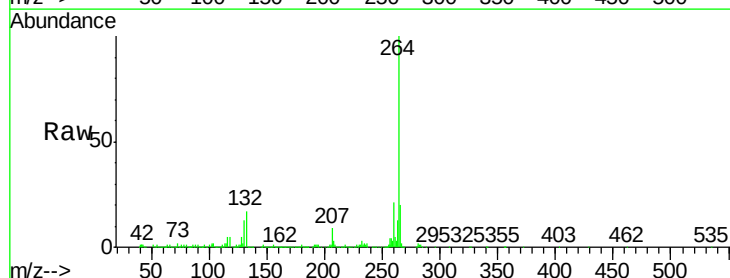
Tgt Ion:264 Resp: 367791

Ion Ratio Lower Upper

264 100

260 21.2 19.5 29.3

265 19.8 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

