

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061915\
 Data File : BM001755.D
 Acq On : 19 Jun 2015 10:56
 Operator : TP/IZ
 Sample : G2648-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GW-2

Quant Time: Jun 19 12:28:51 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

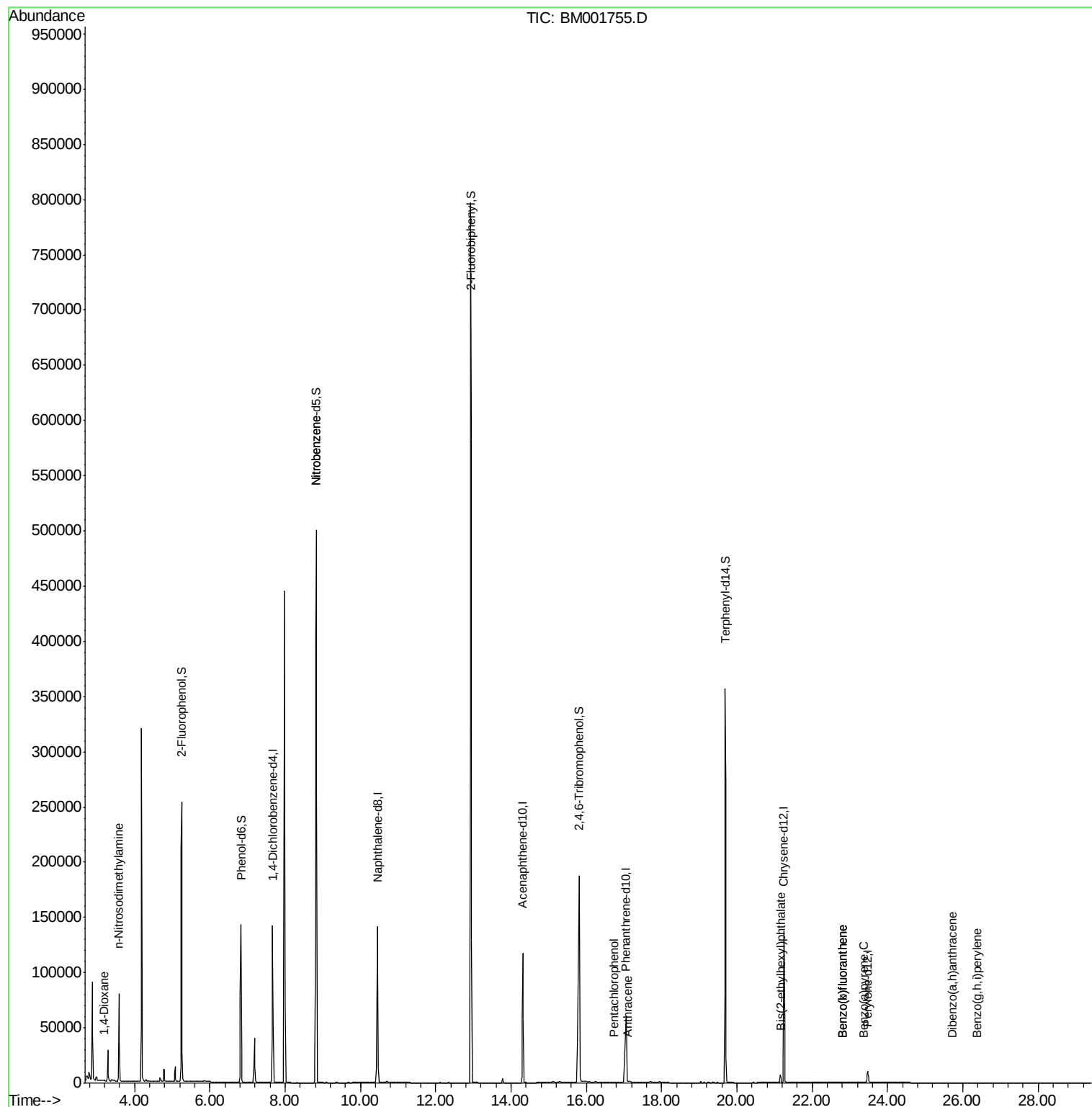
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	67035	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	238142	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	63799	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	137355	5.00	ng	0.00
25) Chrysene-d12	21.25	240	134398	5.00	ng	0.00
32) Perylene-d12	23.48	264	8828	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	219382	14.00	ng	0.00
5) Phenol-d6	6.83	99	142569	7.07	ng	0.00
7) Nitrobenzene-d5	8.83	82	419521	22.58	ng	0.00
13) 2,4,6-Tribromophenol	15.81	330	178256	89.47	ng	0.00
14) 2-Fluorobiphenyl	12.93	172	750521	32.92	ng	0.00
27) Terphenyl-d14	19.69	244	393351	19.86	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.18	88	544	0.07	ng	# 72
3) n-Nitrosodimethylamine	3.58	42	2663	0.23	ng	# 1
8) Nitrobenzene	8.83	77	1510	0.08	ng	# 36
21) Pentachlorophenol	16.72	266	55	0.03	ng	# 74
23) Anthracene	17.10	178	622	0.03	ng	# 75
30) Bis(2-ethylhexyl)phthalate	21.16	149	8006	0.34	ng	99
33) Benzo(b)fluoranthene	22.80	252	192	0.07	ng	# 1
34) Benzo(k)fluoranthene	22.80	252	192	0.07	ng	# 1
35) Benzo(a)pyrene	23.37	252	63	0.03	ng	# 1
36) Dibenzo(a,h)anthracene	25.72	278	99	0.04	ng	# 1
37) Benzo(g,h,i)perylene	26.39	276	125	0.05	ng	# 2

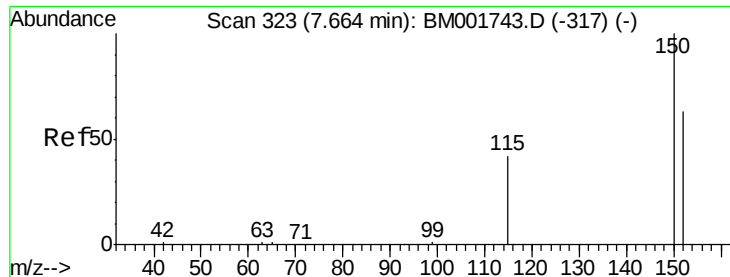
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

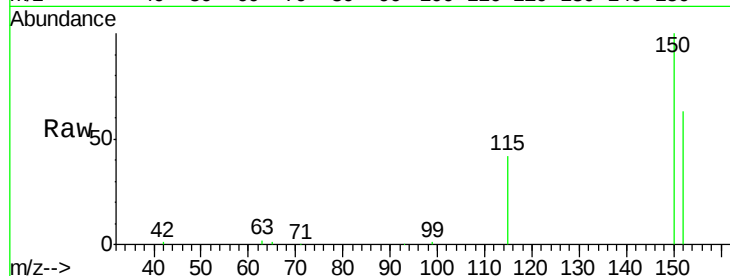
Tgt Ion:152 Resp: 67035

Ion Ratio Lower Upper

152 100

150 159.7 127.5 191.3

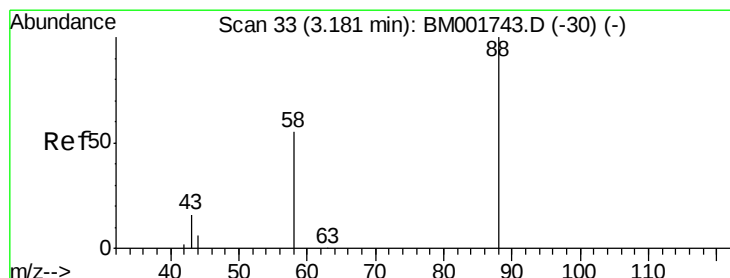
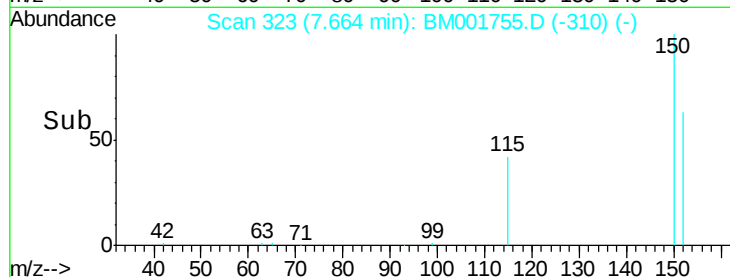
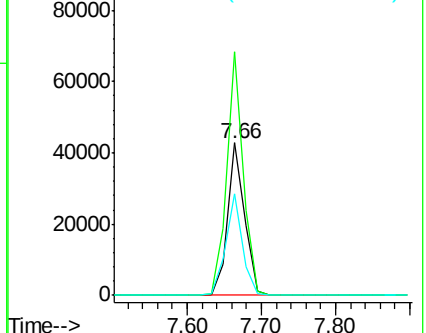
115 66.4 53.2 79.8



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



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

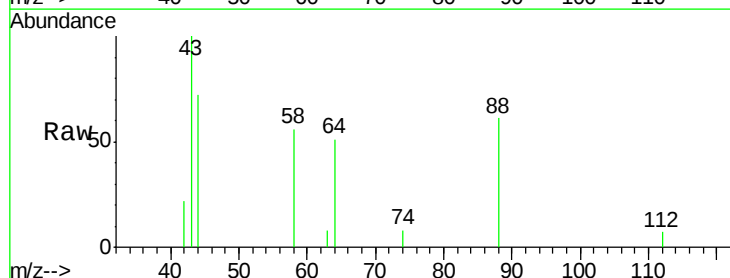
Tgt Ion: 88 Resp: 544

Ion Ratio Lower Upper

88 100

58 75.9 68.3 102.5

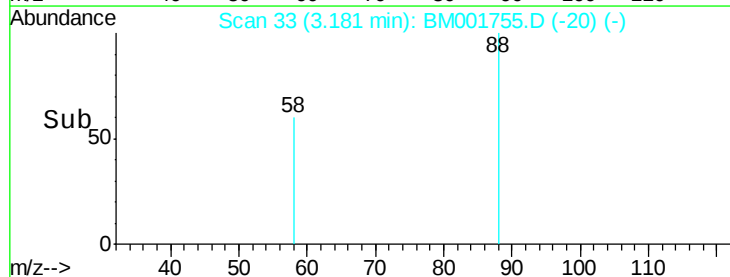
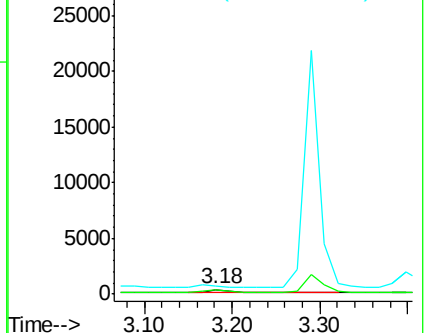
43 0.0 32.6 48.8#

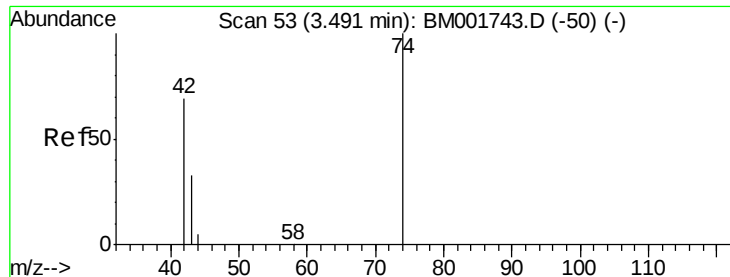


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.23 ng

RT: 3.58 min Scan# 59

Delta R.T. 0.09 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

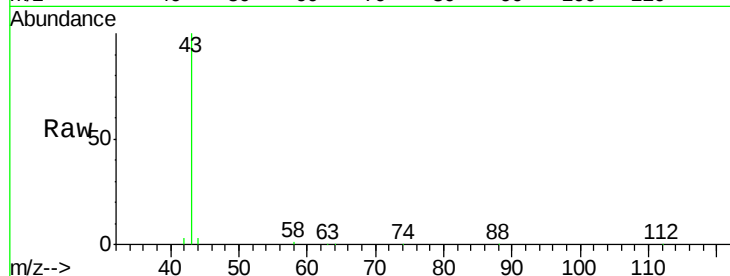
Tgt Ion: 42 Resp: 2663

Ion Ratio Lower Upper

42 100

74 2.4 78.6 118.0#

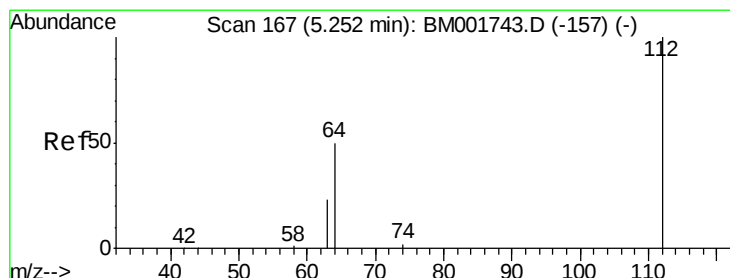
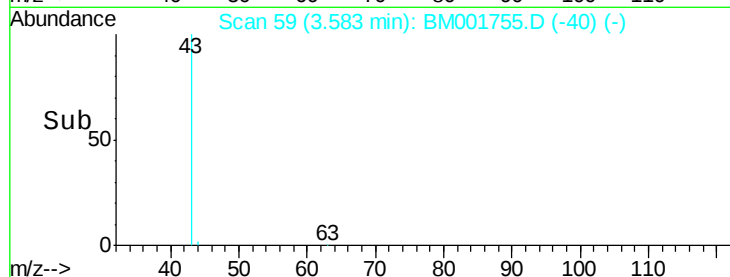
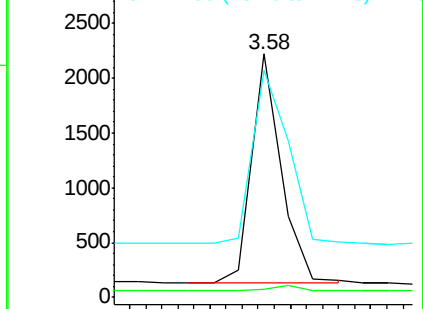
44 91.4 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BM001743.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM001743.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM001743.D (-50) (-)



#4

2-Fluorophenol

Concen: 14.00 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

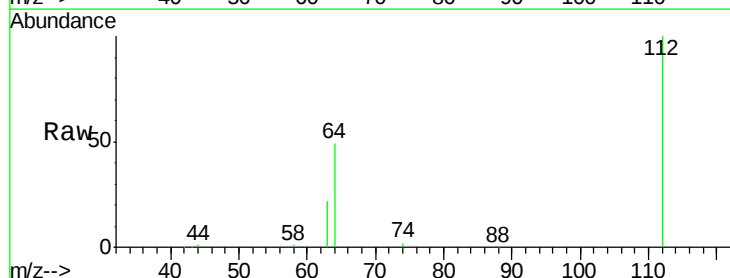
Tgt Ion: 112 Resp: 219382

Ion Ratio Lower Upper

112 100

64 70.1 55.6 83.4

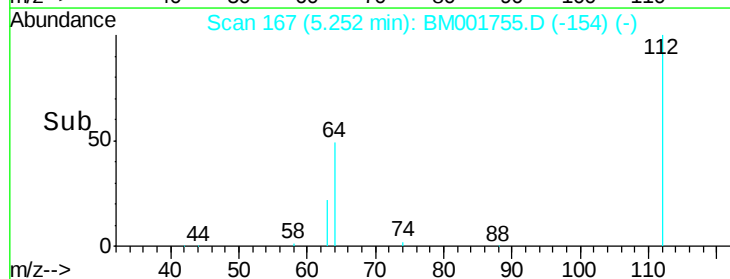
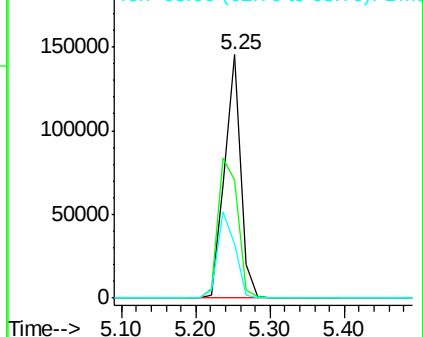
63 38.4 30.2 45.2

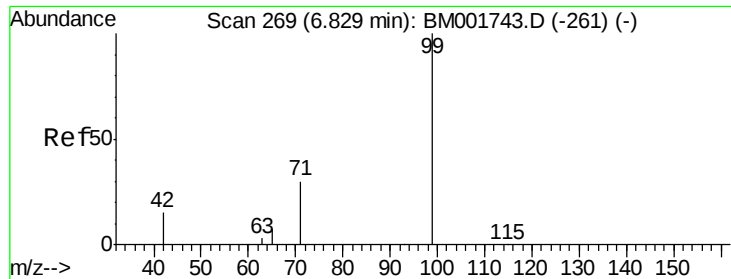


Abundance Ion 112.00 (111.70 to 112.70): BM001743.D (-157) (-)

Ion 64.00 (63.70 to 64.70): BM001743.D (-157) (-)

Ion 63.00 (62.70 to 63.70): BM001743.D (-157) (-)





#5

Phenol-d6

Concen: 7.07 ng

RT: 6.83 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

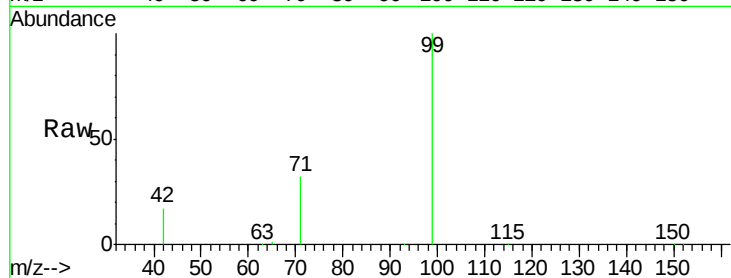
Tgt Ion: 99 Resp: 142569

Ion Ratio Lower Upper

99 100

42 27.9 21.4 32.0

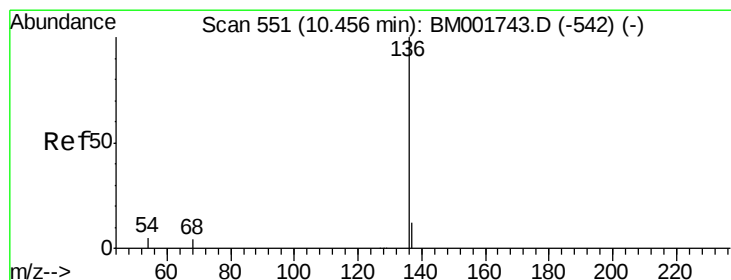
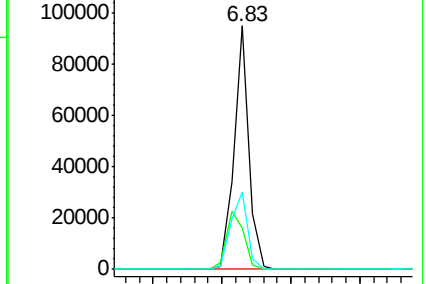
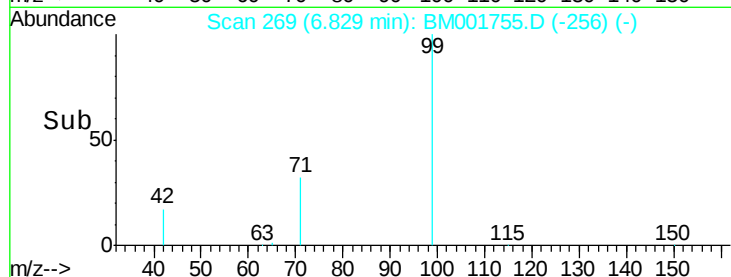
71 36.2 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BM001743.D (-261) (-)

Ion 42.00 (41.70 to 42.70): BM001743.D (-261) (-)

Ion 71.00 (70.70 to 71.70): BM001743.D (-261) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Tgt Ion: 136 Resp: 238142

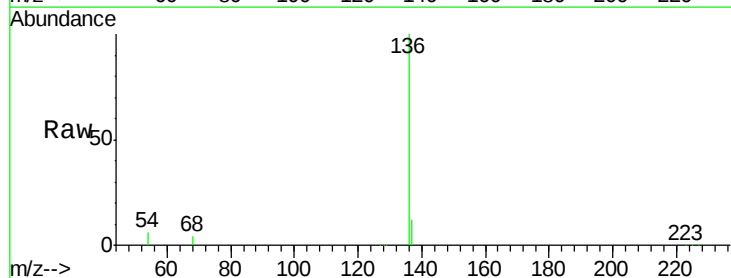
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.0

54 5.6 4.4 6.6

68 3.9 3.1 4.7

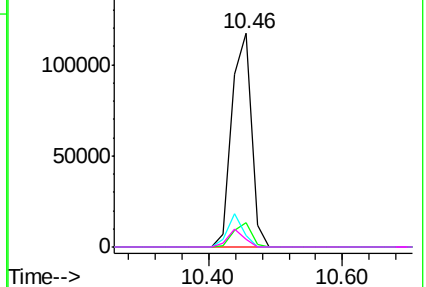
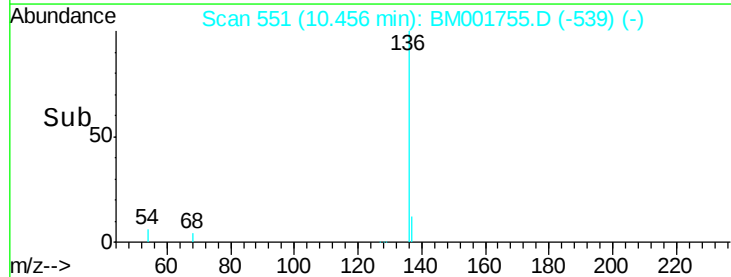


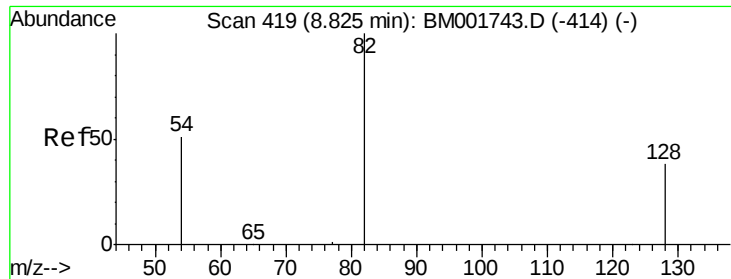
Abundance Ion 136.00 (135.70 to 136.70): BM001743.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM001743.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM001743.D (-542) (-)





#7

Nitrobenzene-d5

Concen: 22.58 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

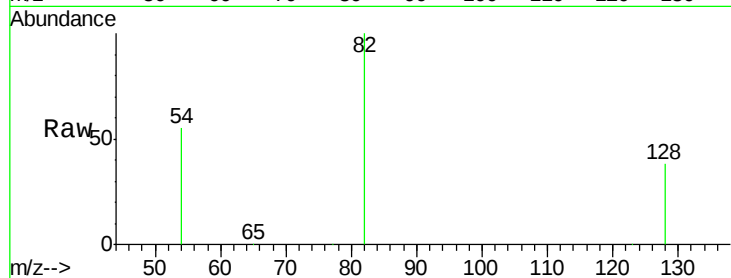
Tgt Ion: 82 Resp: 419521

Ion Ratio Lower Upper

82 100

128 37.8 31.3 46.9

54 54.8 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BM001743.D (-414) (-)

Ion 128.00 (127.70 to 128.70): BM001743.D (-414) (-)

Ion 54.00 (53.70 to 54.70): BM001743.D (-414) (-)

8.83

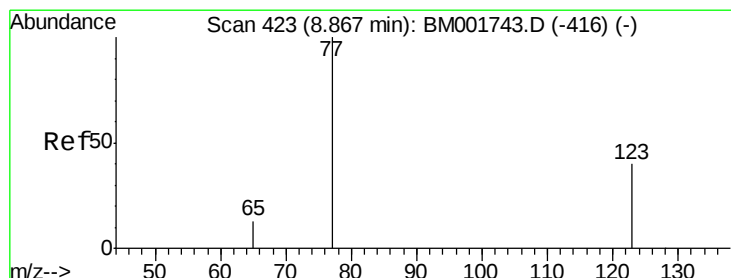
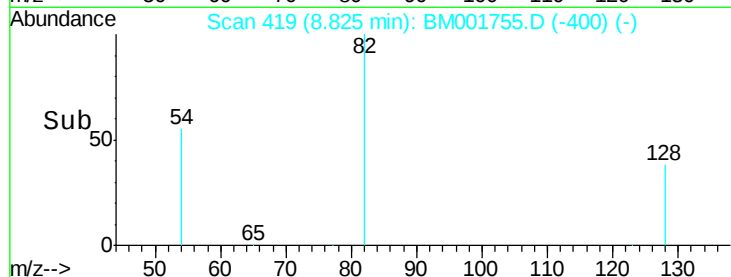
200000

100000

0

8.70 8.80 8.90 9.00

Time-->



#8

Nitrobenzene

Concen: 0.08 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.04 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

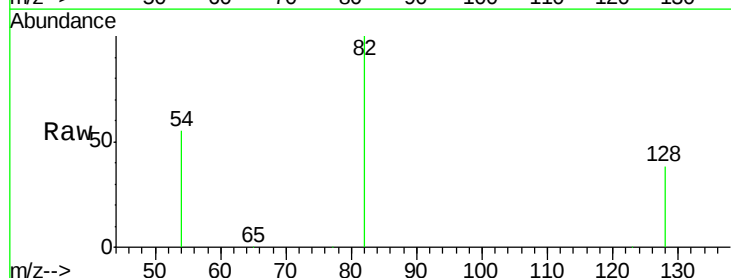
Tgt Ion: 77 Resp: 1510

Ion Ratio Lower Upper

77 100

123 0.7 30.1 45.1#

65 42.2 11.3 16.9#



Abundance Ion 77.00 (76.70 to 77.70): BM001743.D (-416) (-)

Ion 123.00 (122.70 to 123.70): BM001743.D (-416) (-)

Ion 65.00 (64.70 to 65.70): BM001743.D (-416) (-)

8.83

1200

1000

800

600

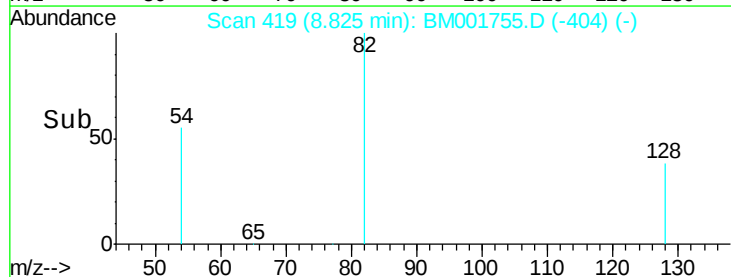
400

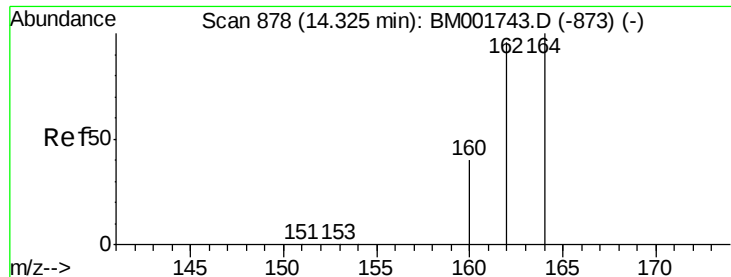
200

0

8.70 8.80 8.90

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 877

Delta R.T. -0.01 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

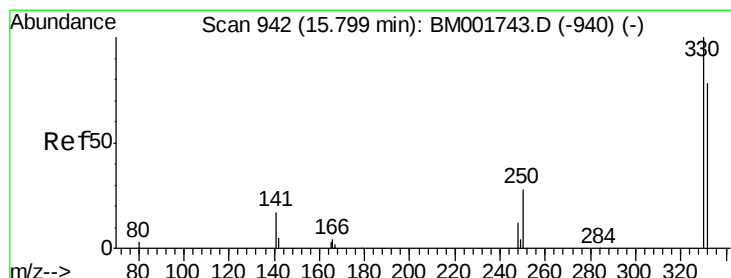
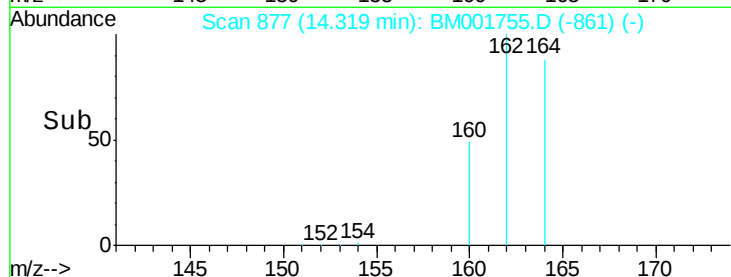
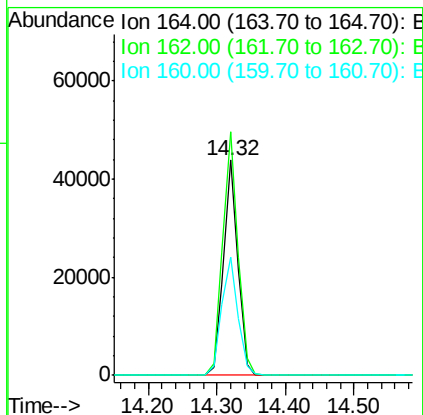
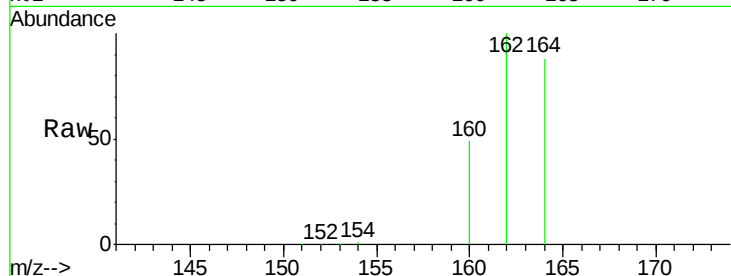
Tgt Ion:164 Resp: 63799

Ion Ratio Lower Upper

164 100

162 113.1 76.6 114.8

160 55.1 31.8 47.8#



#13

2,4,6-Tribromophenol

Concen: 89.47 ng

RT: 15.81 min Scan# 942

Delta R.T. 0.01 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

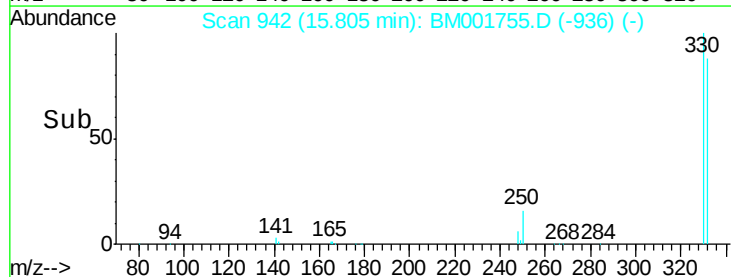
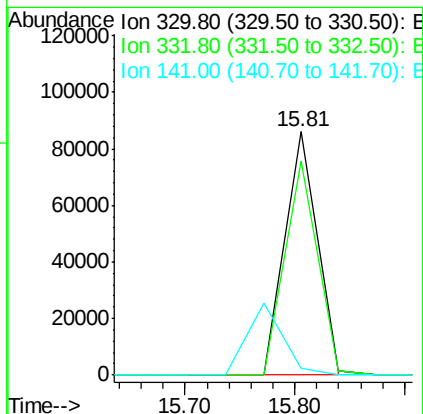
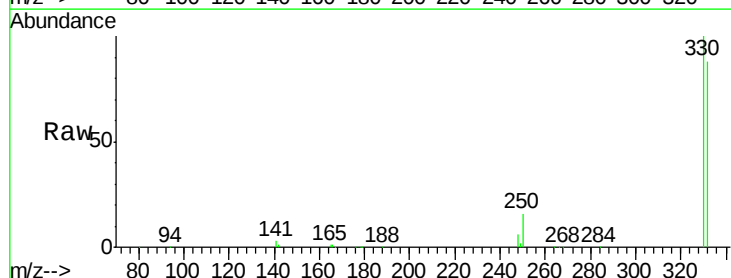
Tgt Ion:330 Resp: 178256

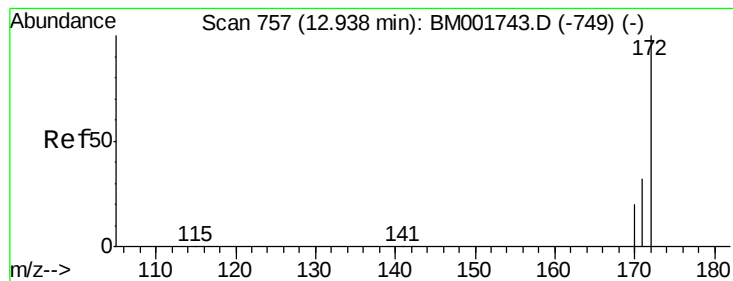
Ion Ratio Lower Upper

330 100

332 88.2 65.8 98.8

141 0.0 0.0 0.0

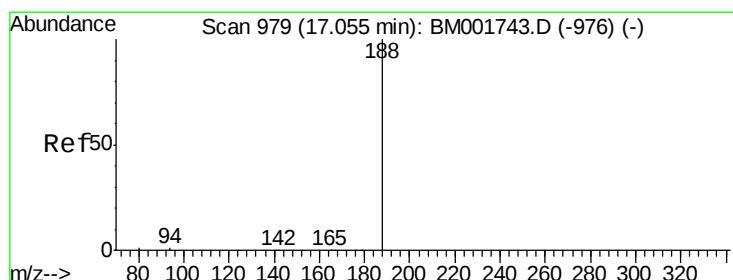
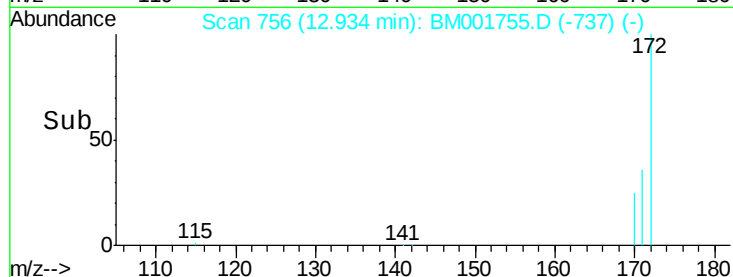
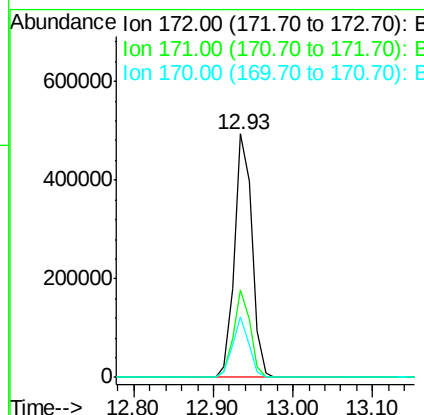
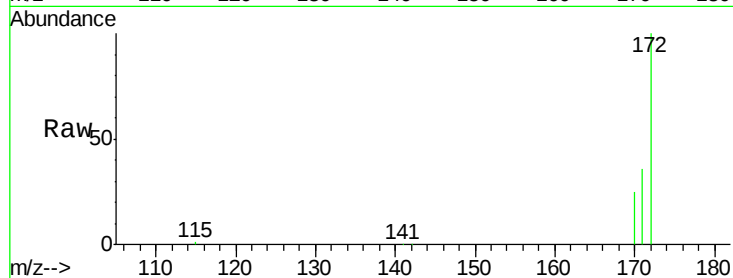




#14
 2-Fluorobiphenyl
 Concen: 32.92 ng
 RT: 12.93 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BM001755.D
 Acq: 19 Jun 2015 10:56

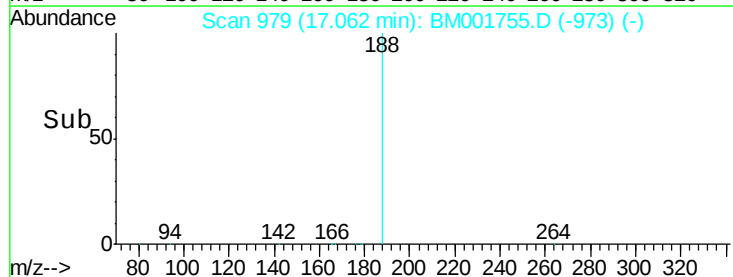
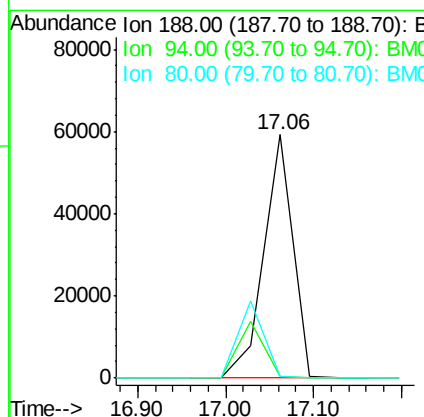
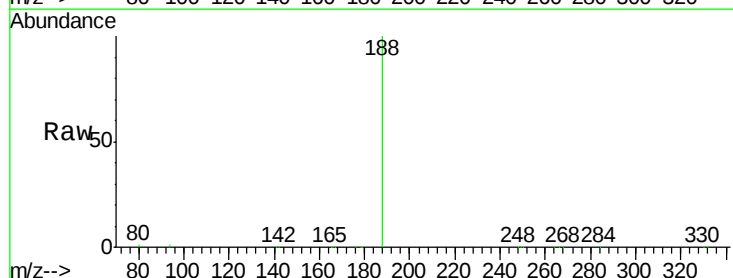
Instrument :
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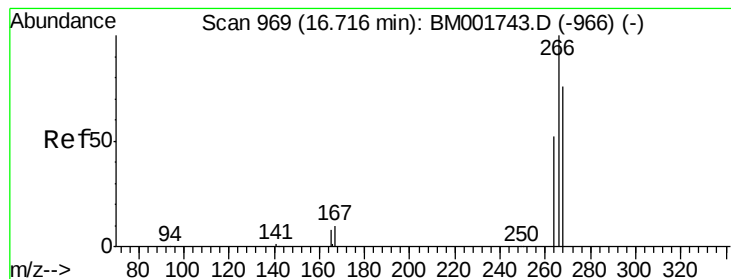
Tgt Ion:172 Resp: 750521
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.2 39.2
 170 24.7 16.6 24.8



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: BM001755.D
 Acq: 19 Jun 2015 10:56

Tgt Ion:188 Resp: 137355
 Ion Ratio Lower Upper
 188 100
 94 0.6 1.3 1.9#
 80 0.5 1.0 1.6#





#21

Pentachlorophenol

Concen: 0.03 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.01 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampled :

GW-2

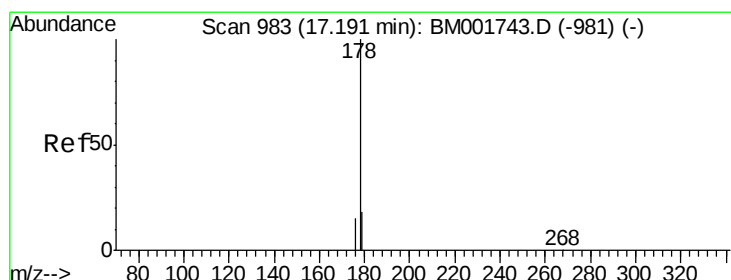
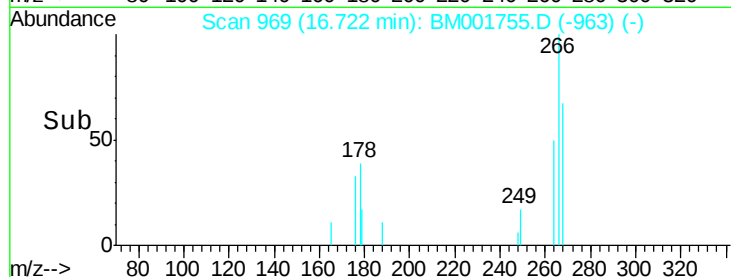
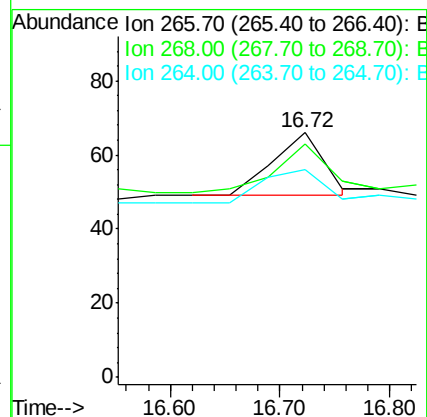
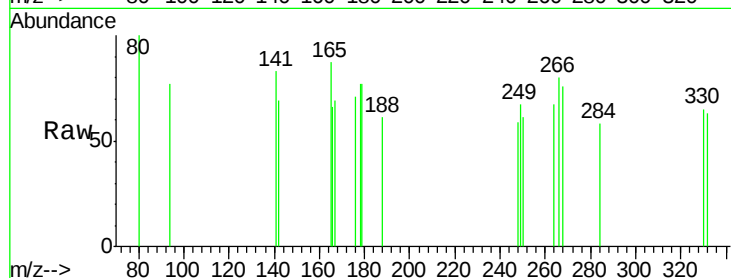
Tgt Ion: 266 Resp: 55

Ion Ratio Lower Upper

266 100

268 95.5 63.2 94.8#

264 84.8 46.2 69.2#



#23

Anthracene

Concen: 0.03 ng

RT: 17.10 min Scan# 980

Delta R.T. -0.10 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

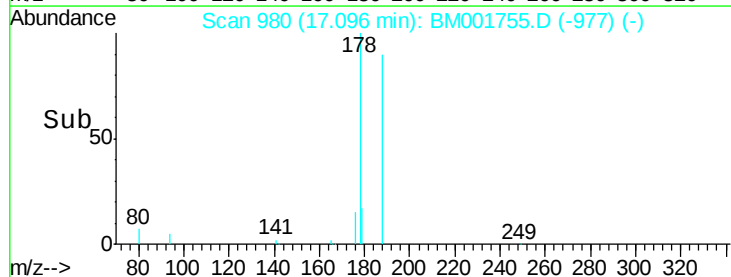
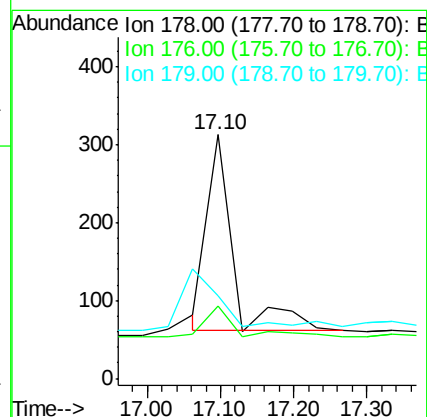
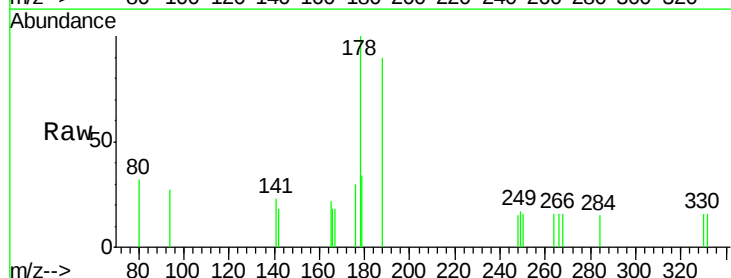
Tgt Ion: 178 Resp: 622

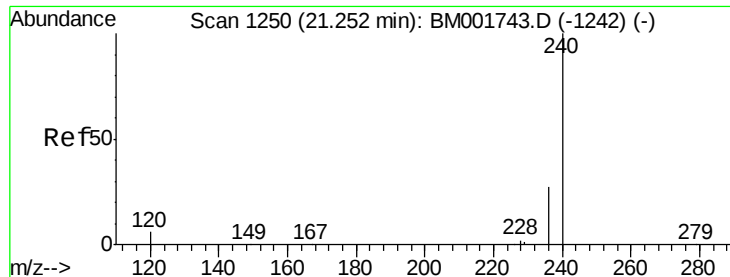
Ion Ratio Lower Upper

178 100

176 16.7 10.0 15.0#

179 0.0 12.3 18.5#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1251

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

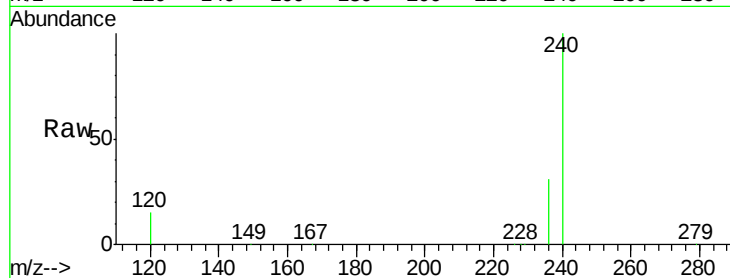
Tgt Ion:240 Resp: 134398

Ion Ratio Lower Upper

240 100

120 15.1 4.7 7.1#

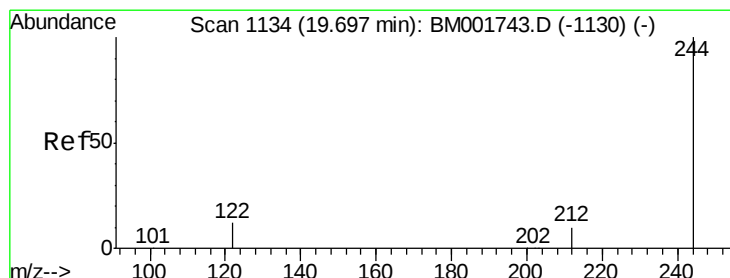
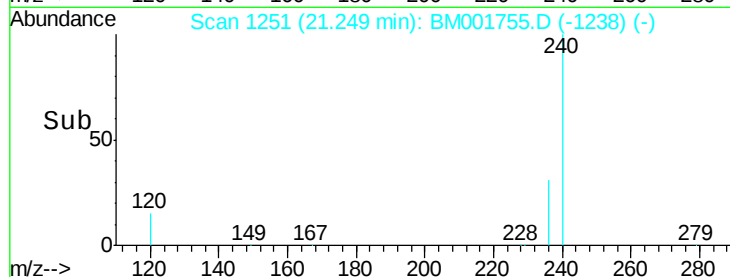
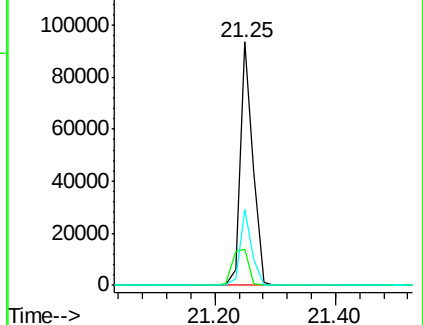
236 31.1 21.6 32.4



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



#27

Terphenyl-d14

Concen: 19.86 ng

RT: 19.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

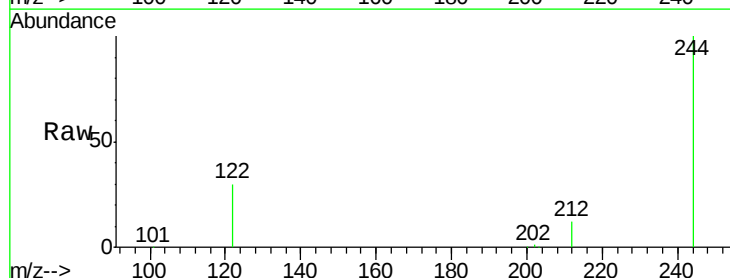
Tgt Ion:244 Resp: 393351

Ion Ratio Lower Upper

244 100

212 12.0 8.6 13.0

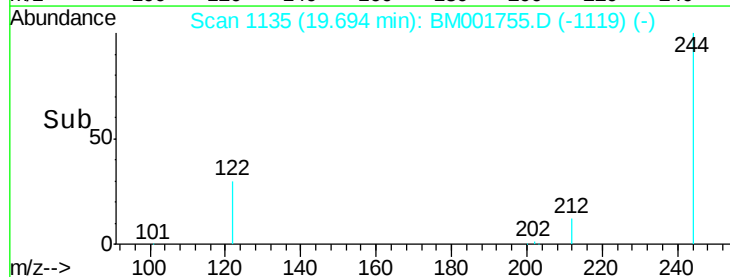
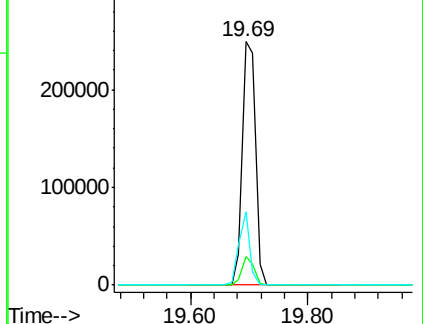
122 30.1 10.6 15.8#

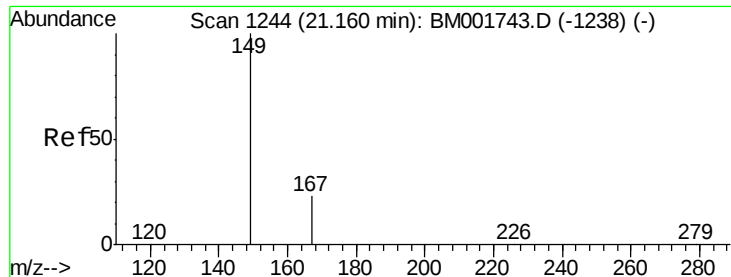


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.16 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

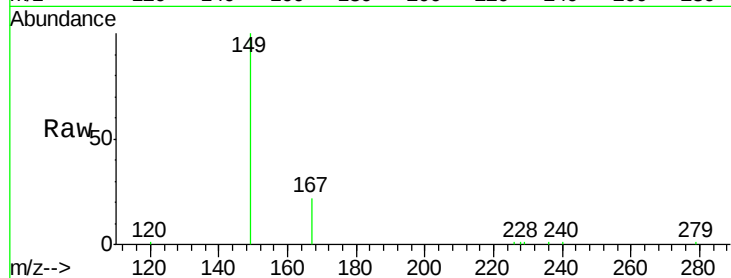
Tgt Ion:149 Resp: 8006

Ion Ratio Lower Upper

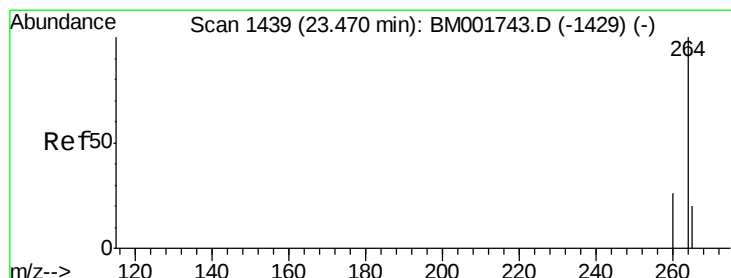
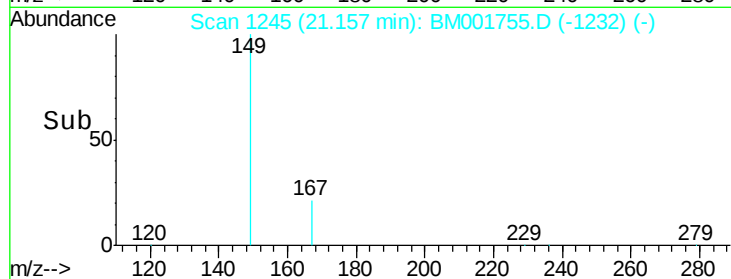
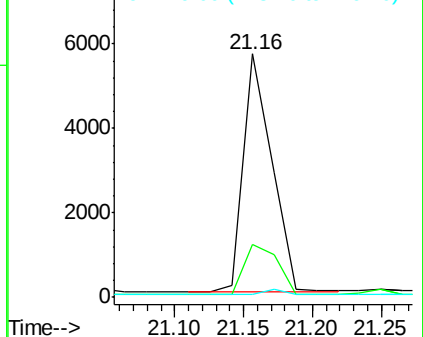
149 100

167 25.3 19.7 29.5

279 2.2 1.6 2.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.48 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

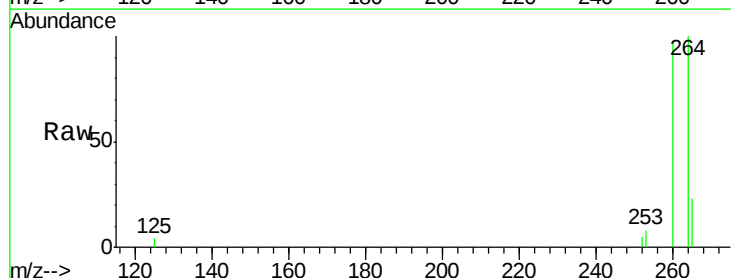
Tgt Ion:264 Resp: 8828

Ion Ratio Lower Upper

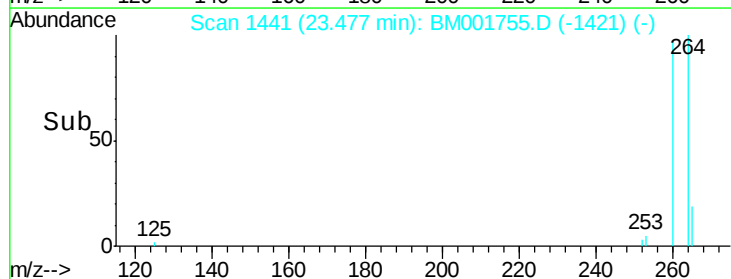
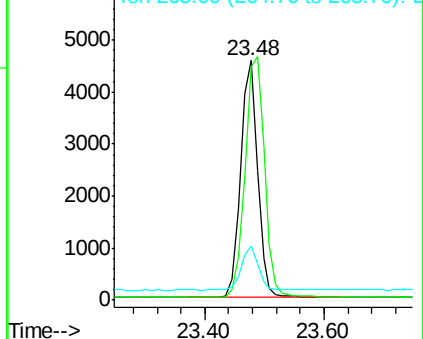
264 100

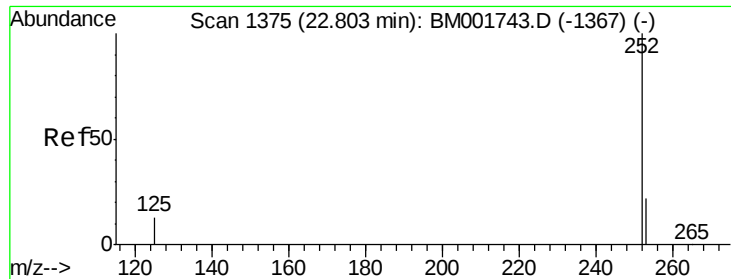
260 97.3 20.8 31.2#

265 22.7 16.8 25.2



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





#33

Benzo(b)fluoranthene

Concen: 0.07 ng

RT: 22.80 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

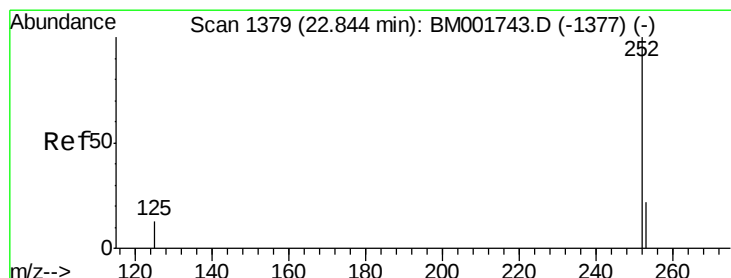
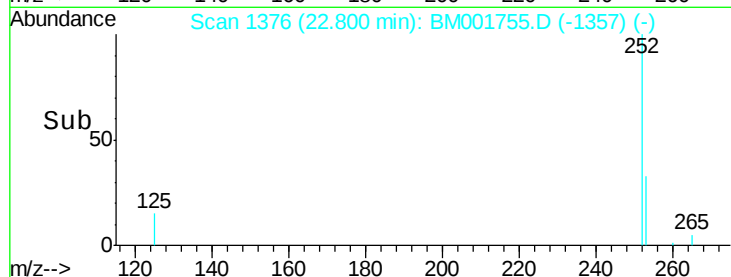
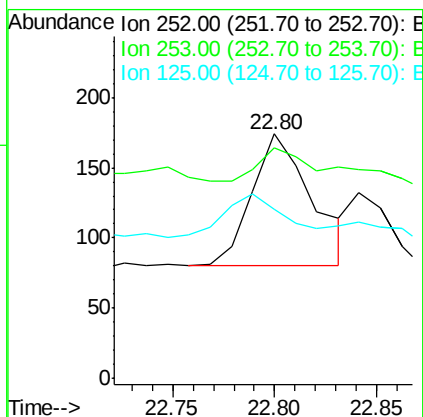
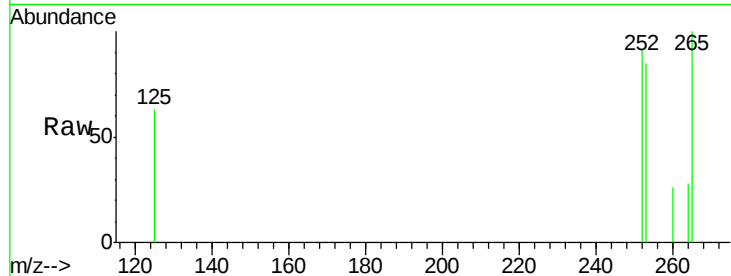
Tgt Ion:252 Resp: 192

Ion Ratio Lower Upper

252 100

253 94.3 19.0 28.4#

125 69.0 11.3 16.9#



#34

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 22.80 min Scan# 1376

Delta R.T. -0.04 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

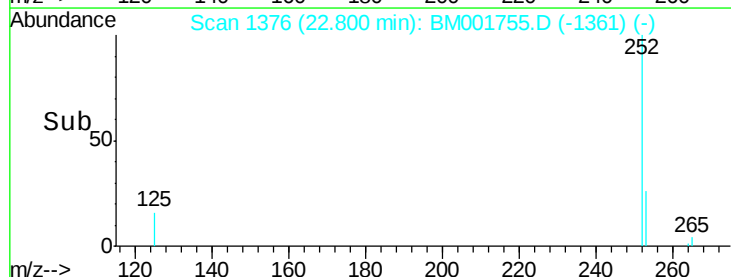
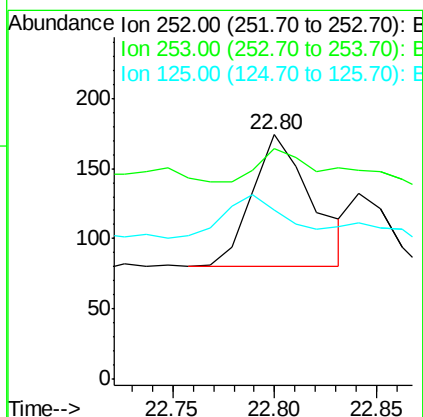
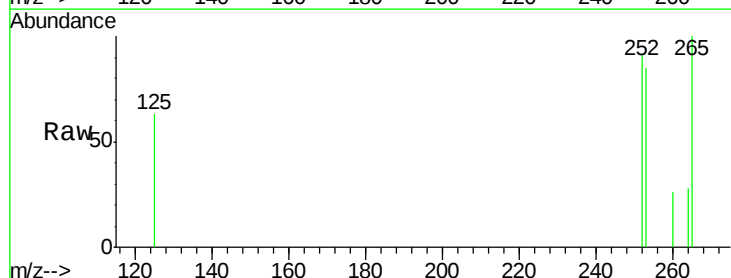
Tgt Ion:252 Resp: 192

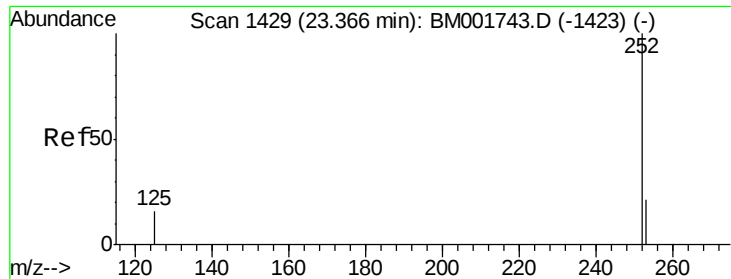
Ion Ratio Lower Upper

252 100

253 94.3 18.2 27.4#

125 69.0 11.8 17.6#





#35

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.37 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2

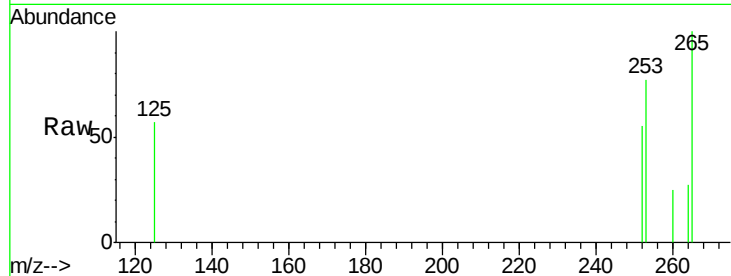
Tgt Ion: 252 Resp: 63

Ion Ratio Lower Upper

252 100

253 139.8 17.9 26.9#

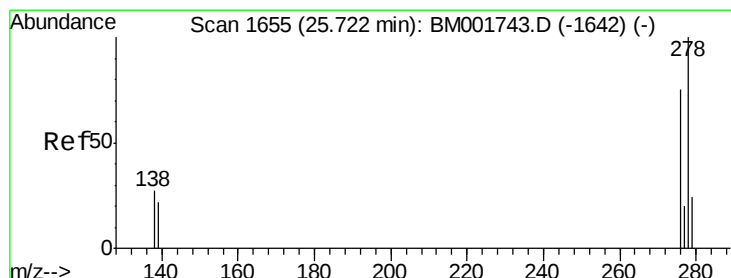
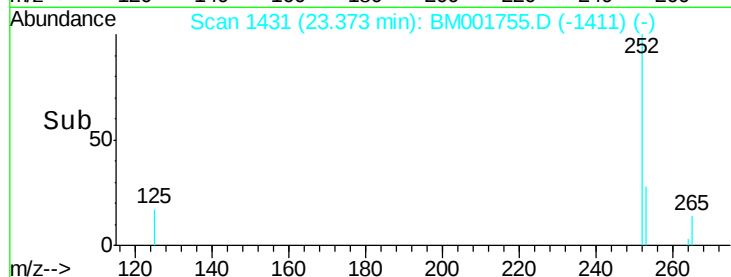
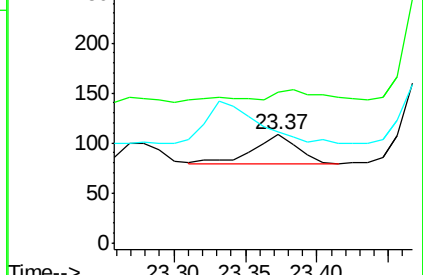
125 102.8 14.1 21.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 25.72 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BM001755.D

Acq: 19 Jun 2015 10:56

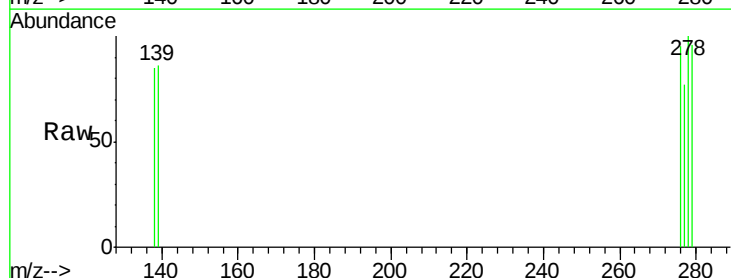
Tgt Ion: 278 Resp: 99

Ion Ratio Lower Upper

278 100

139 85.9 18.4 27.6#

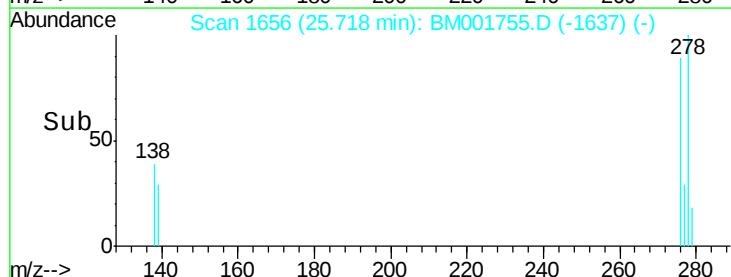
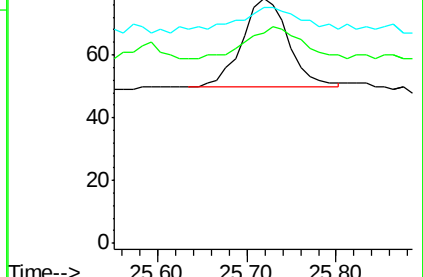
279 96.2 19.8 29.8#

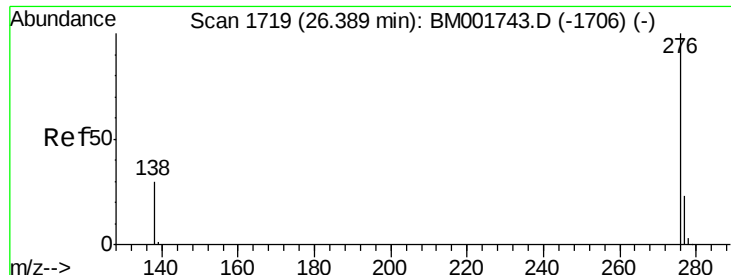


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.39 min Scan# 1720

Delta R.T. -0.00 min

Lab File: BM001755.D

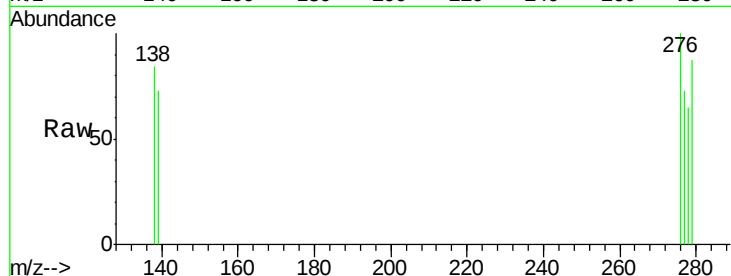
Acq: 19 Jun 2015 10:56

Instrument :

BNA_M

ClientSampleId :

GW-2



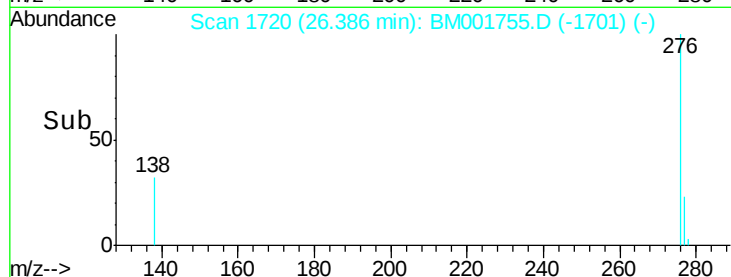
Tgt Ion: 276 Resp: 125

Ion Ratio Lower Upper

276 100

277 73.4 19.3 28.9#

138 83.5 24.7 37.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

