

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061315\
 Data File : BM001687.D
 Acq On : 13 Jun 2015 01:46
 Operator : TP/IZ
 Sample : PB83987BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83987BS

Quant Time: Jun 13 03:23:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 13 02:11:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	13605	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	51140	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	25592	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	77254	5.00	ng	0.00
25) Chrysene-d12	21.25	240	46476	5.00	ng	0.00
32) Perylene-d12	23.48	264	41635	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	30828	9.40	ng	0.00
5) Phenol-d6	6.83	99	41424	10.02	ng	0.00
7) Nitrobenzene-d5	8.83	82	25933	6.43	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	6430	10.75	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	55628	6.12	ng	0.00
27) Terphenyl-d14	19.70	244	43204	6.22	ng	0.00

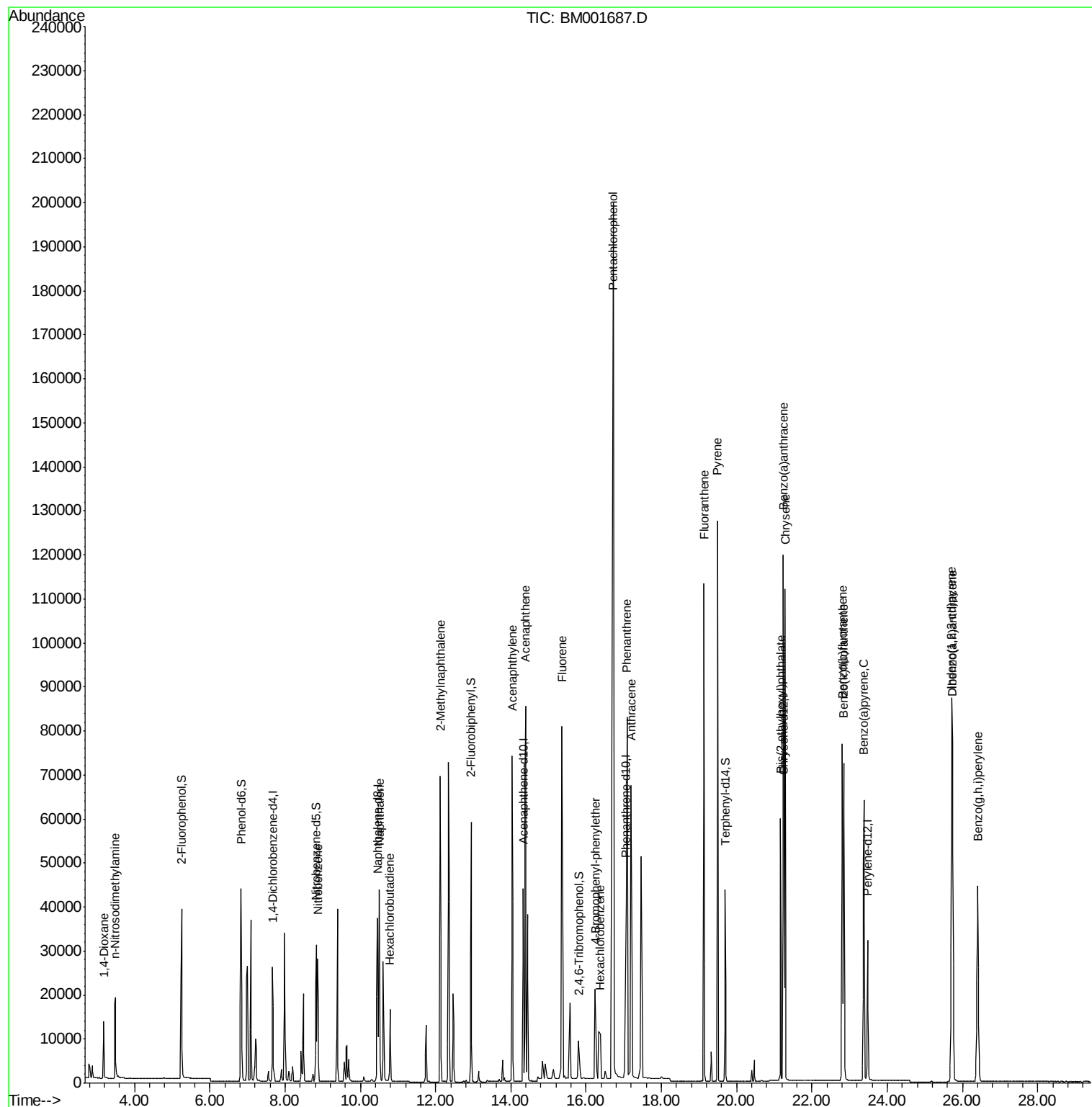
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	9184	6.43	ng	97
3) n-Nitrosodimethylamine	3.48	42	16344	6.65	ng	92
8) Nitrobenzene	8.87	77	29487	6.77	ng	99
9) Naphthalene	10.51	128	76750	6.22	ng	98
10) Hexachlorobutadiene	10.78	225	12938	6.25	ng	99
11) 2-Methylnaphthalene	12.13	142	51236	6.48	ng	98
15) Acenaphthylene	14.03	152	83344	6.82	ng	100
16) Acenaphthene	14.39	154	48794	6.49	ng	100
17) Fluorene	15.36	166	73052	6.58	ng	100
19) 4-Bromophenyl-phenylether	16.24	248	10428	7.13	ng	96
20) Hexachlorobenzene	16.38	284	18919	6.81	ng	# 100
21) Pentachlorophenol	16.72	266	175655	95.65	ng	97
22) Phenanthrene	17.09	178	125160	7.26	ng	99
23) Anthracene	17.19	178	102862	7.47	ng	100
24) Fluoranthene	19.13	202	104213	7.40	ng	100
26) Pyrene	19.49	202	114210	7.27	ng	99
28) Benzo(a)anthracene	21.24	228	98869	6.74	ng	97
29) Chrysene	21.28	228	90292	6.62	ng	96
30) Bis(2-ethylhexyl)phthalate	21.16	149	65030	6.51	ng	99
31) Indeno(1,2,3-cd)pyrene	25.71	276	99182	6.91	ng	99
33) Benzo(b)fluoranthene	22.80	252	93080	7.13	ng	98
34) Benzo(k)fluoranthene	22.84	252	88505	7.19	ng	95
35) Benzo(a)pyrene	23.38	252	85620	7.52	ng	97
36) Dibenzo(a,h)anthracene	25.73	278	80466	7.13	ng	97
37) Benzo(g,h,i)perylene	26.40	276	83351	7.03	ng	98

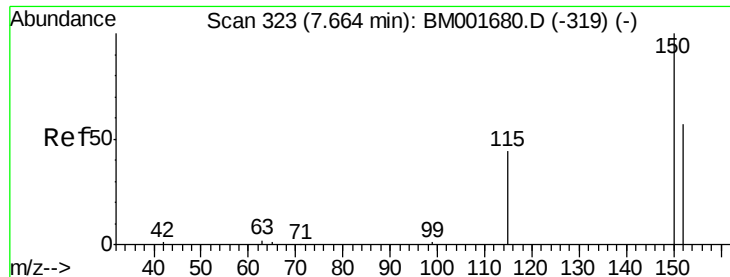
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 03:23:33 2015
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QLast Update : Sat Jun 13 02:11:48 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

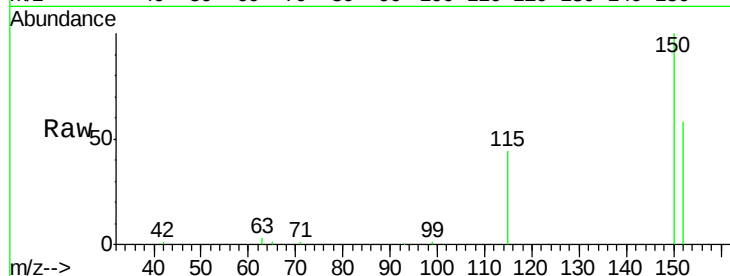
Tgt Ion:152 Resp: 13605

Ion Ratio Lower Upper

152 100

150 171.4 139.6 209.4

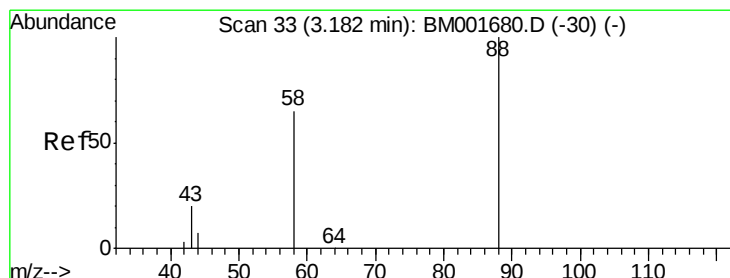
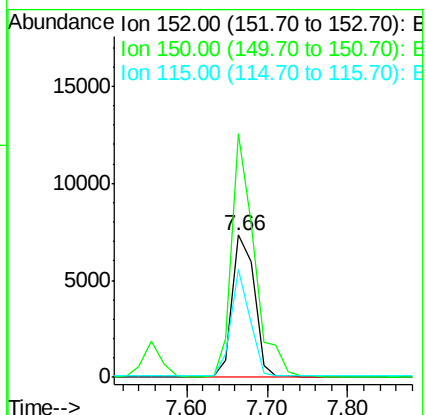
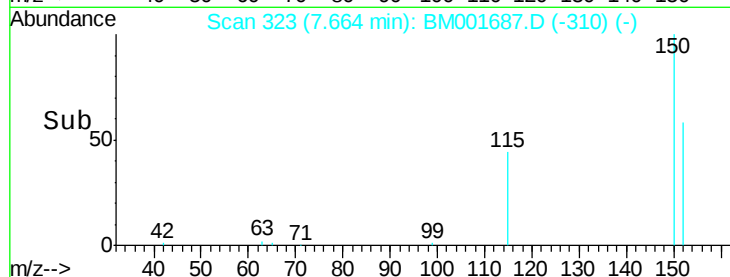
115 76.1 62.5 93.7



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



#2

1,4-Dioxane

Concen: 6.43 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

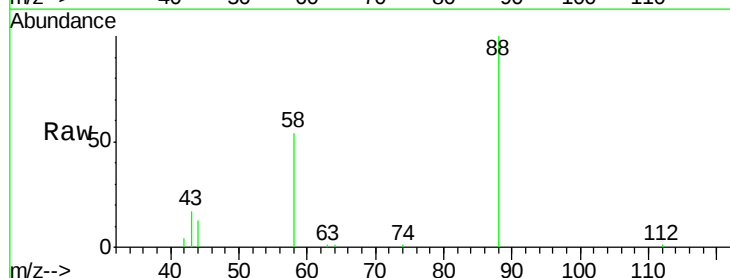
Tgt Ion: 88 Resp: 9184

Ion Ratio Lower Upper

88 100

58 87.5 68.1 102.1

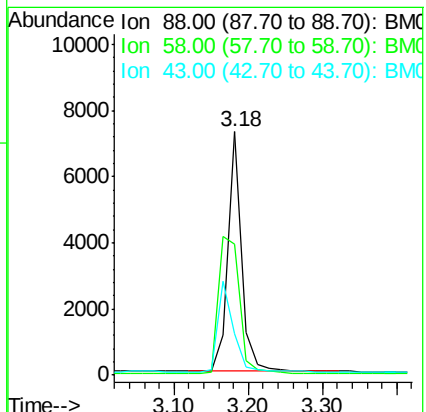
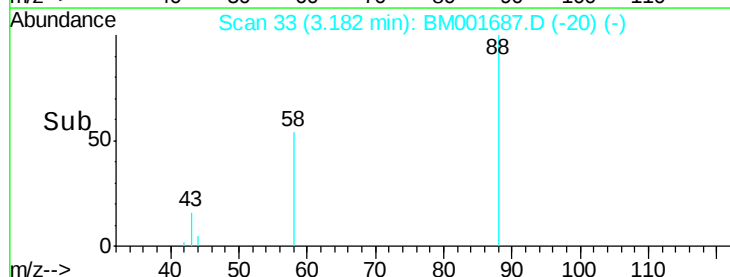
43 42.2 31.8 47.6

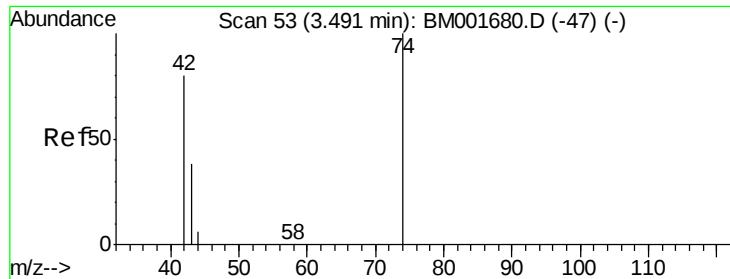


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 6.65 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

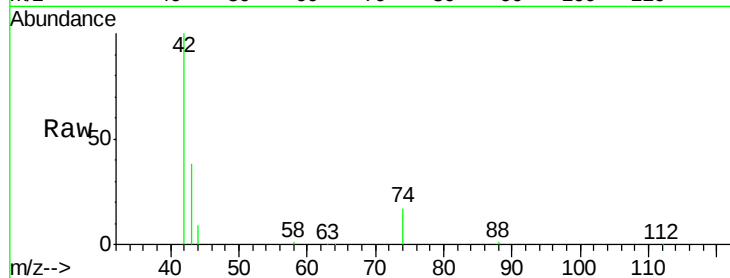
Tgt Ion: 42 Resp: 16344

Ion Ratio Lower Upper

42 100

74 91.9 80.5 120.7

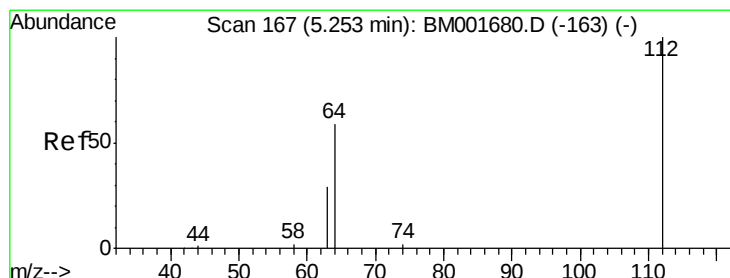
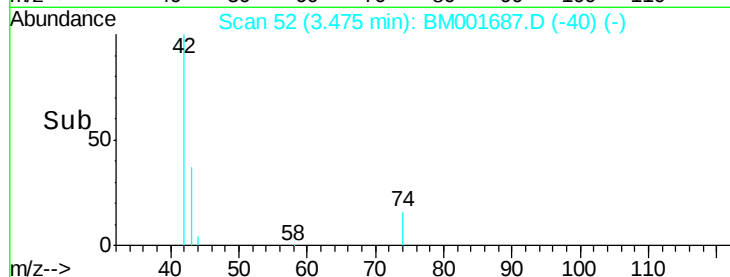
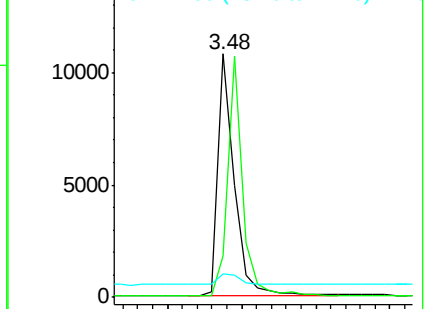
44 6.0 5.4 8.0



Abundance Ion 42.00 (41.70 to 42.70): BM001680.D (-47) (-)

Ion 74.00 (73.70 to 74.70): BM001680.D (-47) (-)

Ion 44.00 (43.70 to 44.70): BM001680.D (-47) (-)



#4

2-Fluorophenol

Concen: 9.40 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

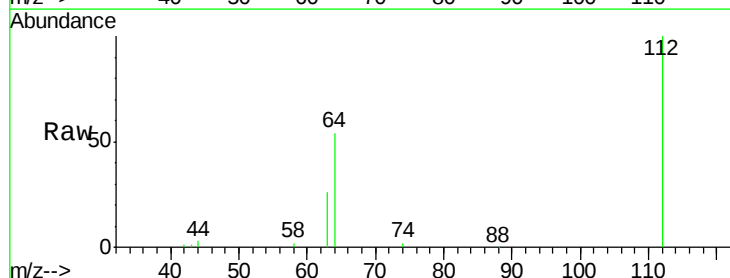
Tgt Ion: 112 Resp: 30828

Ion Ratio Lower Upper

112 100

64 68.8 54.9 82.3

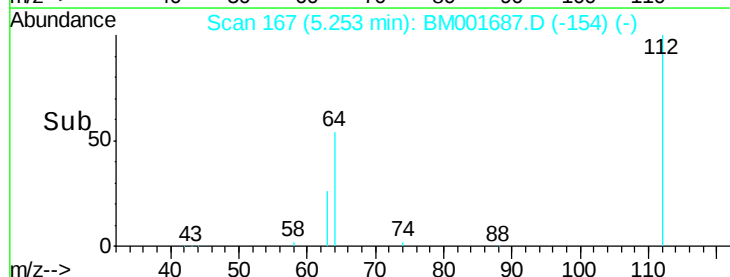
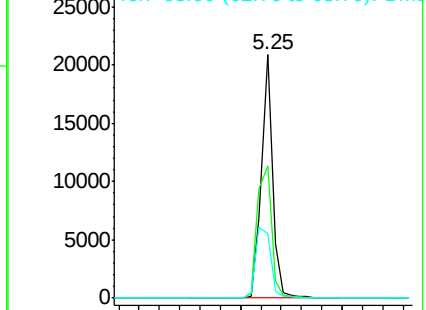
63 38.1 30.5 45.7

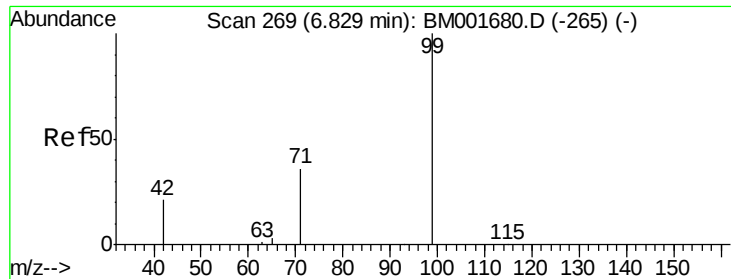


Abundance Ion 112.00 (111.70 to 112.70): BM001680.D (-163) (-)

Ion 64.00 (63.70 to 64.70): BM001680.D (-163) (-)

Ion 63.00 (62.70 to 63.70): BM001680.D (-163) (-)





#5

Phenol-d6

Concen: 10.02 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

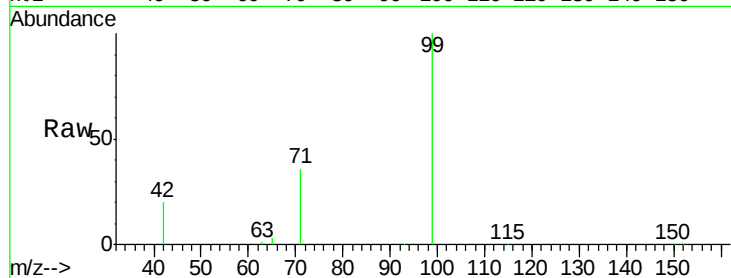
Tgt Ion: 99 Resp: 41424

Ion Ratio Lower Upper

99 100

42 27.1 21.0 31.6

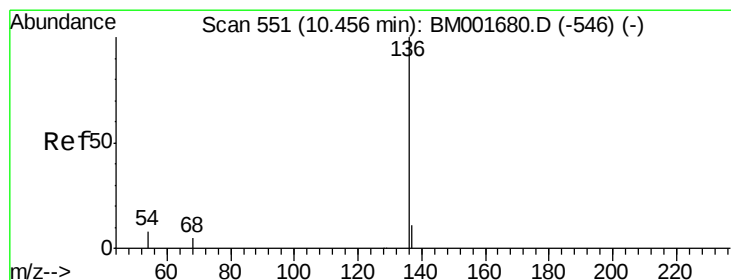
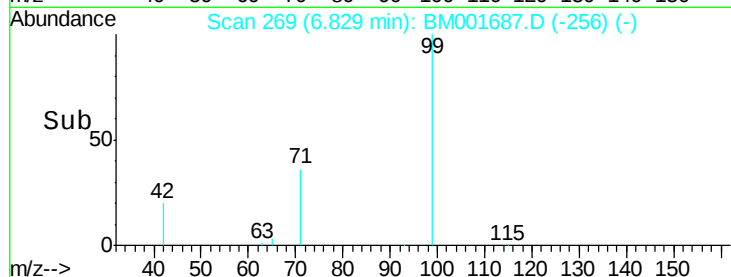
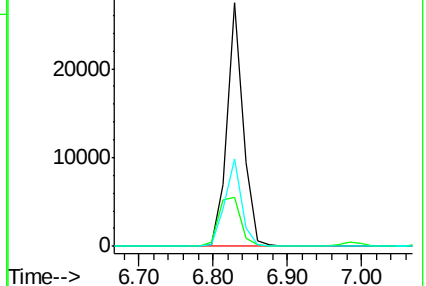
71 36.5 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001687.D (-265) (-)

Ion 42.00 (41.70 to 42.70): BM001687.D (-265) (-)

Ion 71.00 (70.70 to 71.70): BM001687.D (-265) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Tgt Ion: 136 Resp: 51140

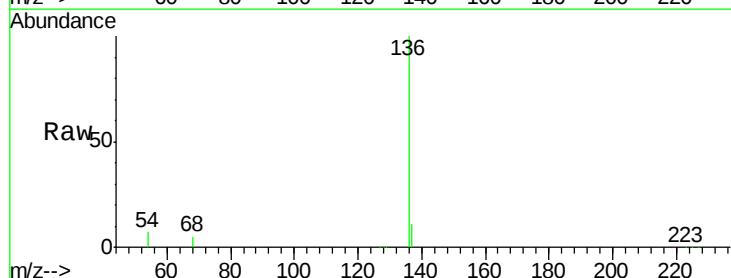
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.2 9.4

68 4.8 3.9 5.9

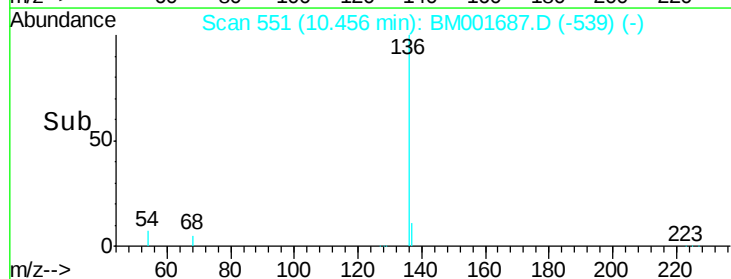
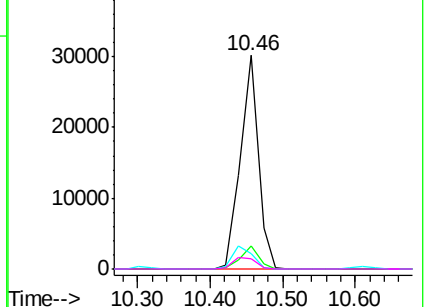


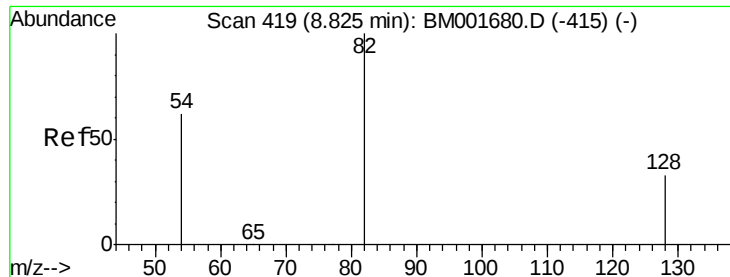
Abundance Ion 136.00 (135.70 to 136.70): BM001687.D (-546) (-)

Ion 137.00 (136.70 to 137.70): BM001687.D (-546) (-)

Ion 54.00 (53.70 to 54.70): BM001687.D (-546) (-)

Ion 68.00 (67.70 to 68.70): BM001687.D (-546) (-)





#7

Nitrobenzene-d5

Concen: 6.43 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

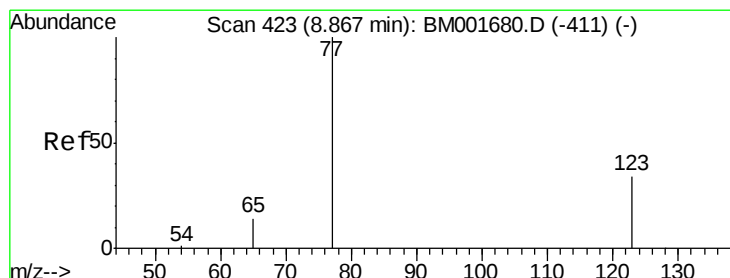
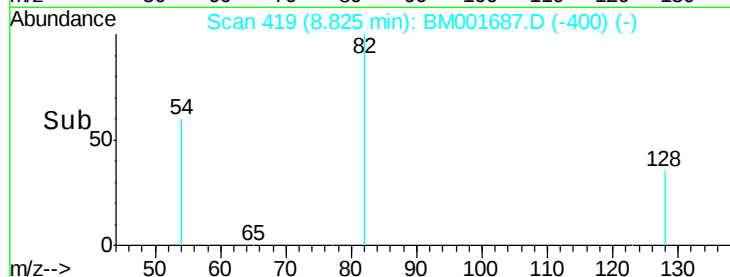
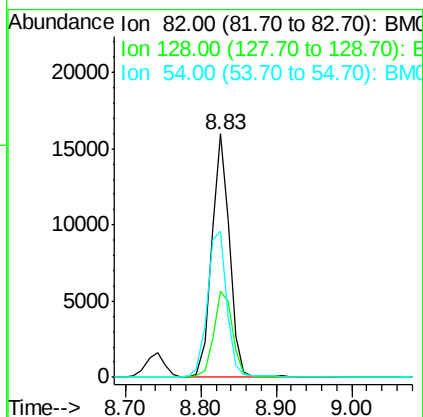
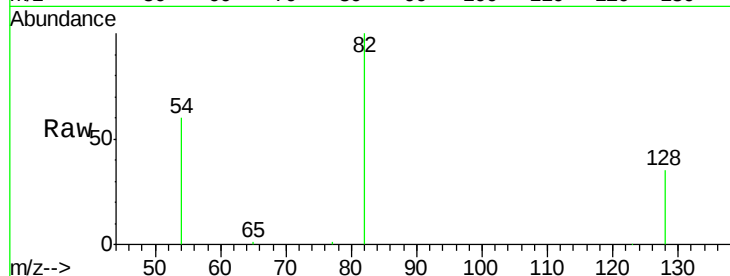
Tgt Ion: 82 Resp: 25933

Ion Ratio Lower Upper

82 100

128 35.2 27.6 41.4

54 59.9 50.1 75.1



#8

Nitrobenzene

Concen: 6.77 ng

RT: 8.87 min Scan# 423

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

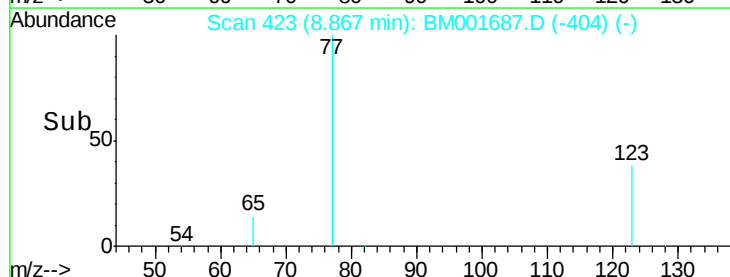
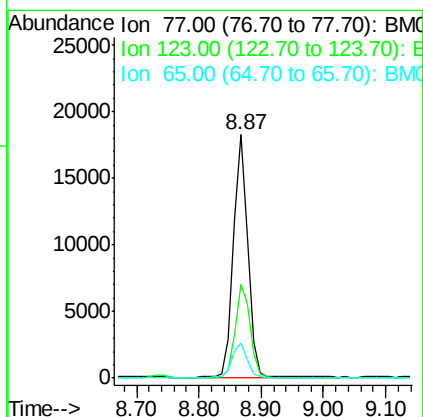
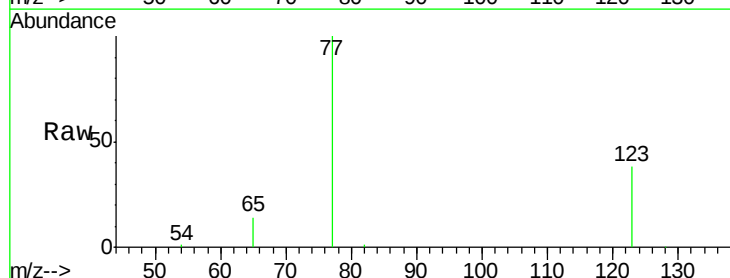
Tgt Ion: 77 Resp: 29487

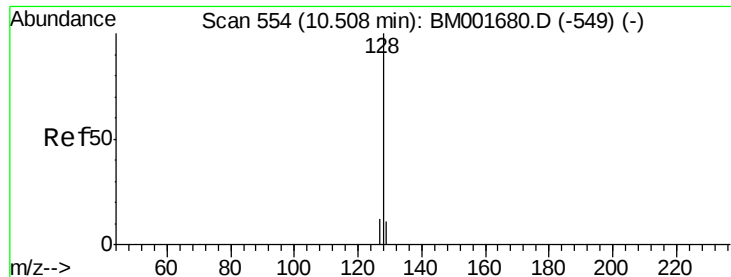
Ion Ratio Lower Upper

77 100

123 39.3 30.6 46.0

65 14.6 11.5 17.3





#9

Naphthalene

Concen: 6.22 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

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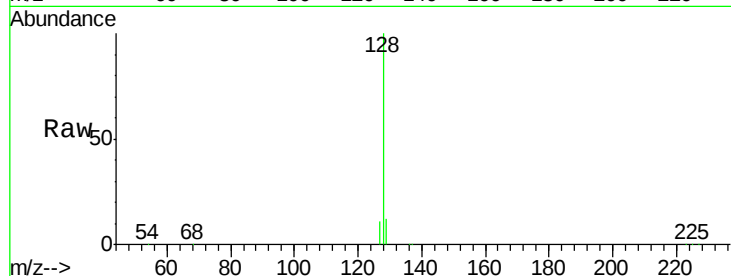
Tgt Ion:128 Resp: 76750

Ion Ratio Lower Upper

128 100

129 11.8 9.7 14.5

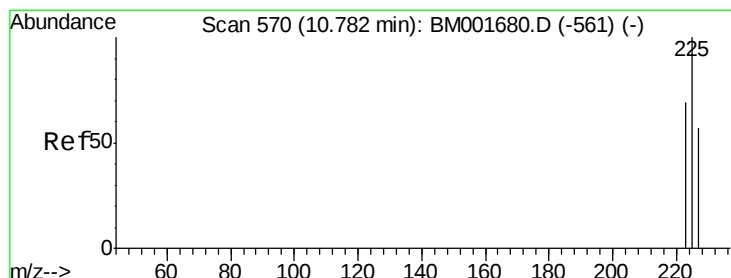
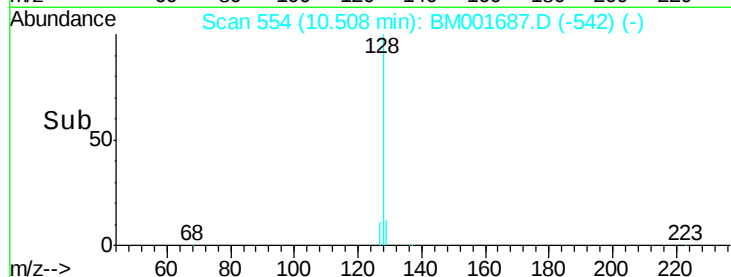
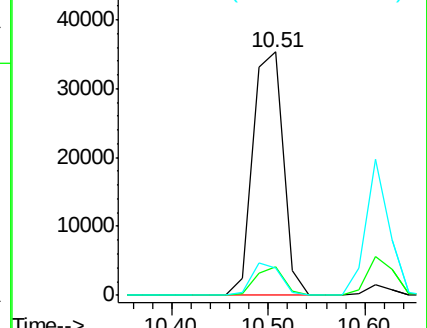
127 11.3 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 6.25 ng

RT: 10.78 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

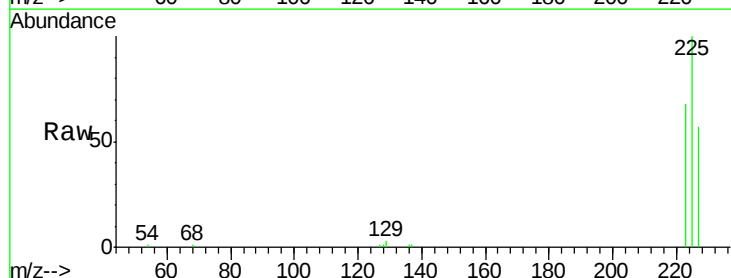
Tgt Ion:225 Resp: 12938

Ion Ratio Lower Upper

225 100

223 63.2 49.7 74.5

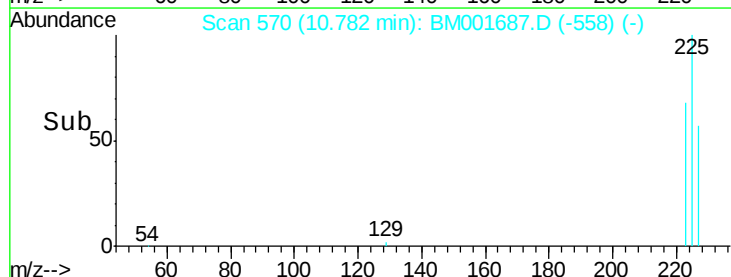
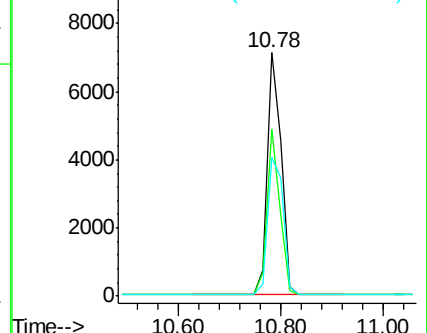
227 63.7 51.1 76.7

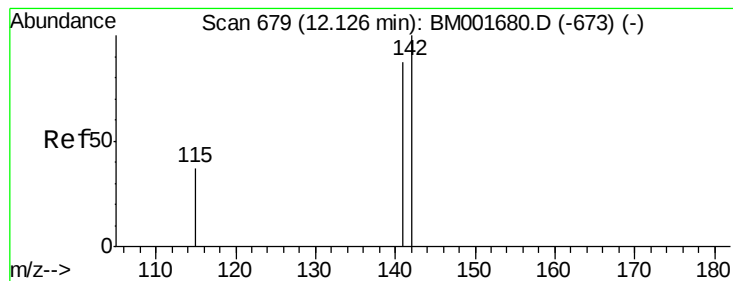


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 6.48 ng

RT: 12.13 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

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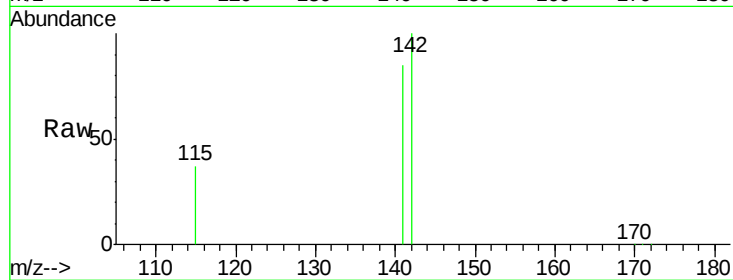
Tgt Ion:142 Resp: 51236

Ion Ratio Lower Upper

142 100

141 84.8 69.5 104.3

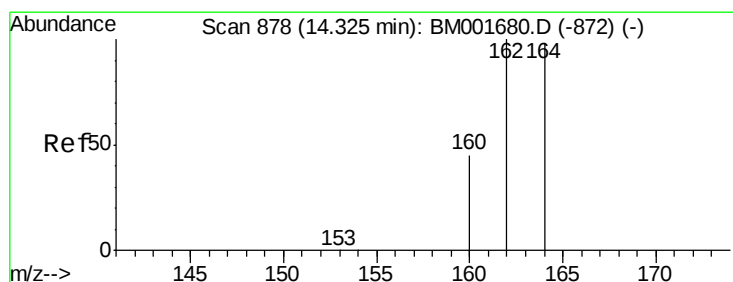
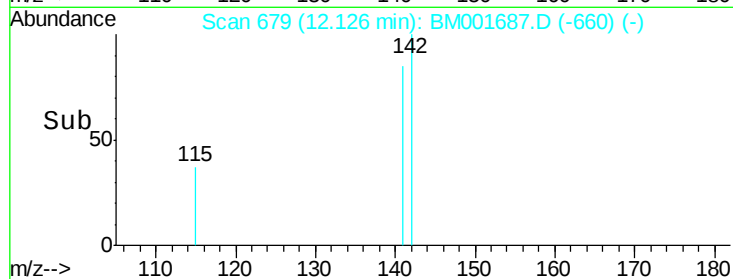
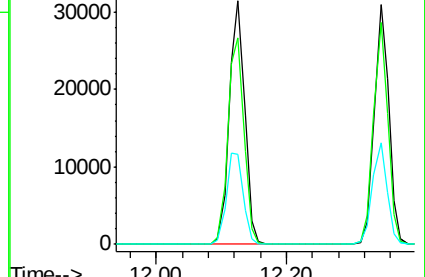
115 36.8 30.2 45.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

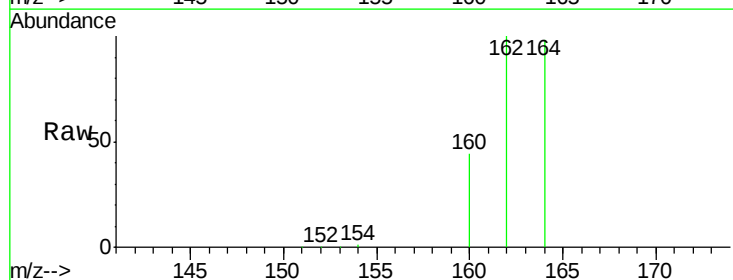
Tgt Ion:164 Resp: 25592

Ion Ratio Lower Upper

164 100

162 102.1 82.0 123.0

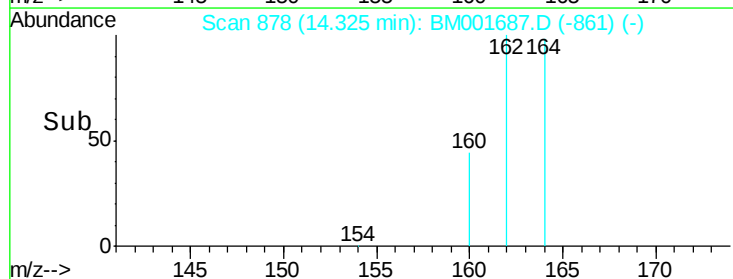
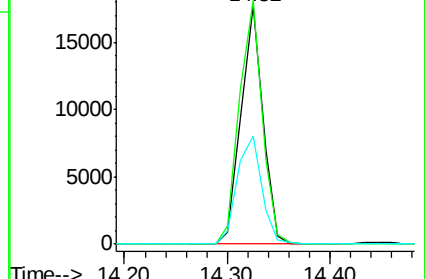
160 45.3 36.6 55.0

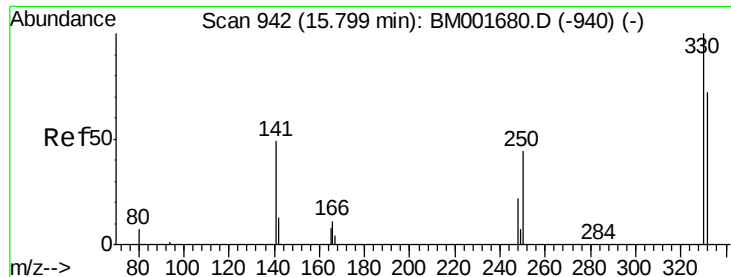


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

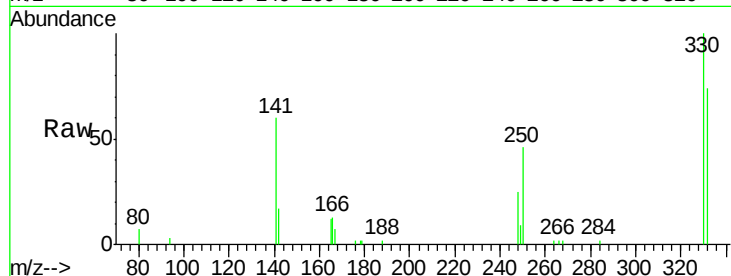




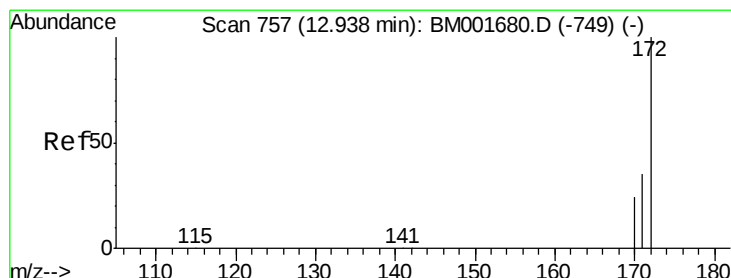
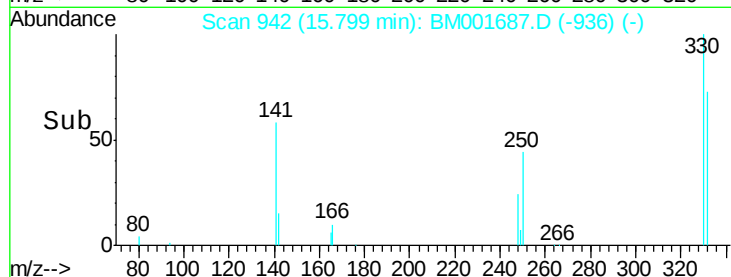
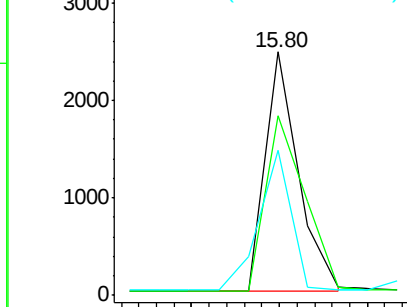
#13
 2,4,6-Tribromophenol
 Concen: 10.75 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

Instrument :
 BNA_M
 ClientSampleId :
 PB83987BS

Tgt Ion:330 Resp: 6430
 Ion Ratio Lower Upper
 330 100
 332 87.4 68.6 103.0
 141 57.7 39.0 58.4

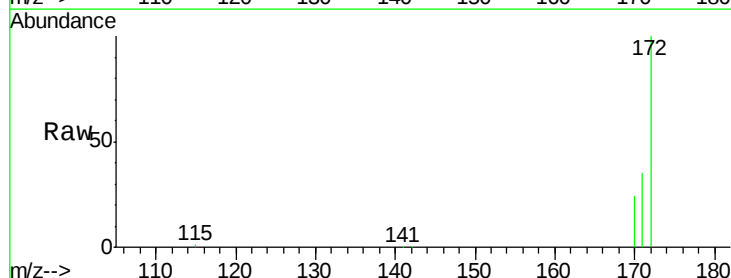


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

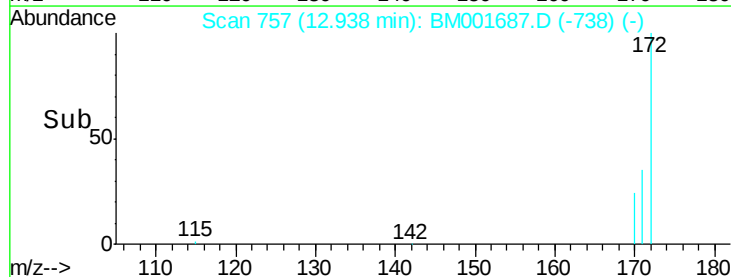
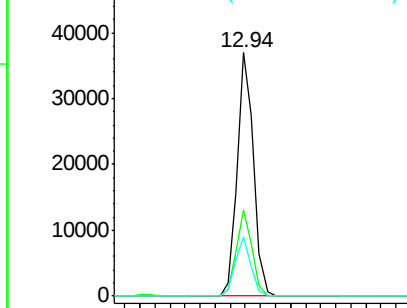


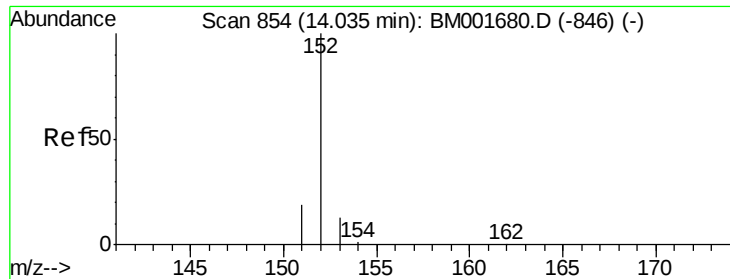
#14
 2-Fluorobiphenyl
 Concen: 6.12 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

Tgt Ion:172 Resp: 55628
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.4 42.6
 170 24.2 19.5 29.3



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

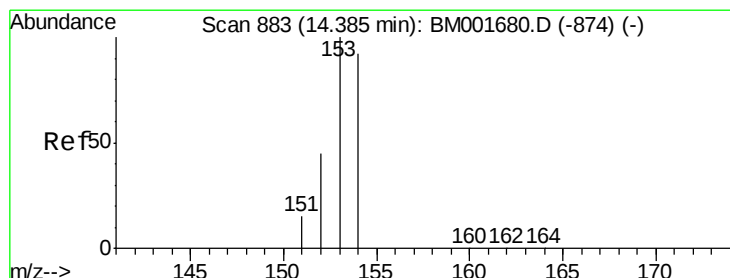
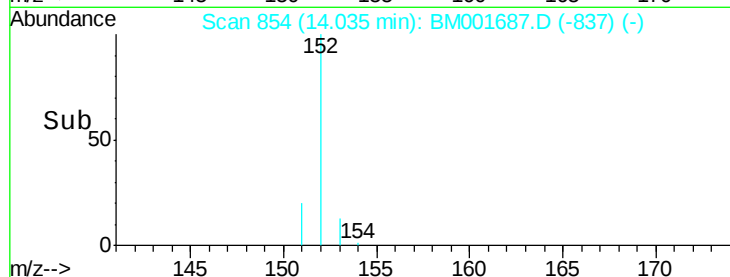
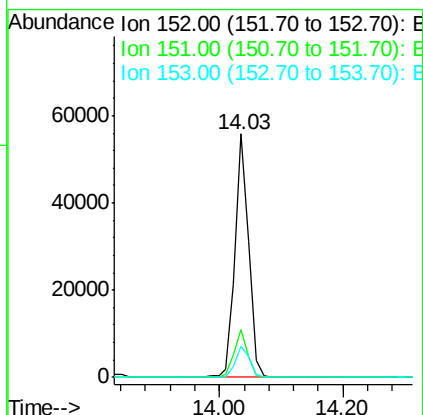
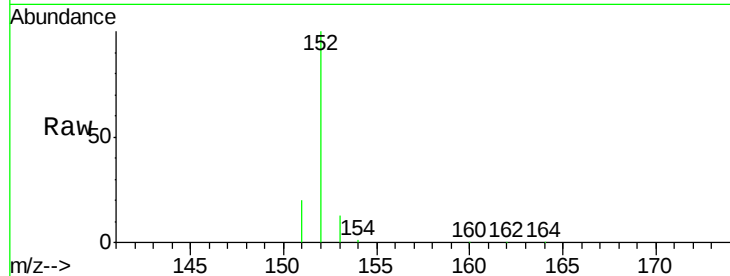




#15
Acenaphthylene
Concen: 6.82 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001687.D
Acq: 13 Jun 2015 01:46

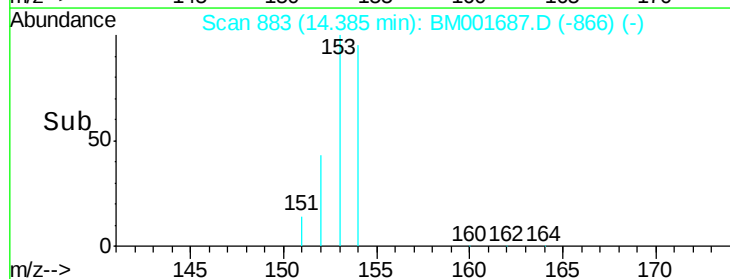
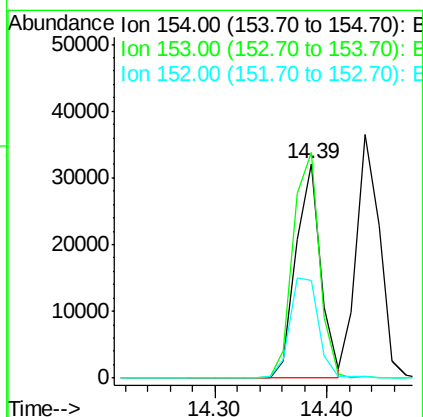
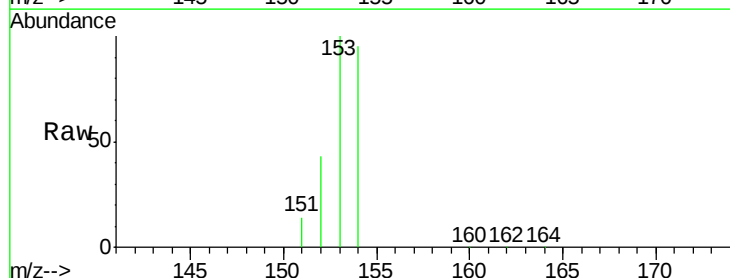
Instrument :
BNA_M
ClientSampleId :
PB83987BS

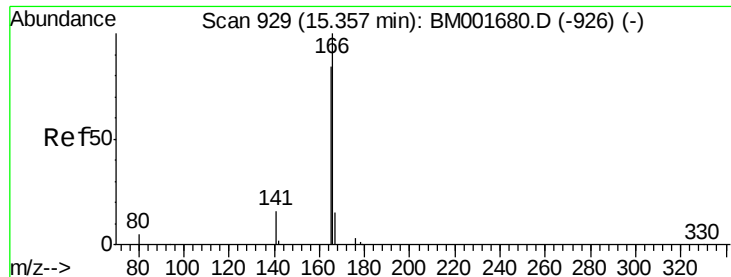
Tgt Ion:152 Resp: 83344
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 12.9 10.3 15.5



#16
Acenaphthene
Concen: 6.49 ng
RT: 14.39 min Scan# 883
Delta R.T. 0.00 min
Lab File: BM001687.D
Acq: 13 Jun 2015 01:46

Tgt Ion:154 Resp: 48794
Ion Ratio Lower Upper
154 100
153 111.9 89.3 133.9
152 54.0 43.7 65.5

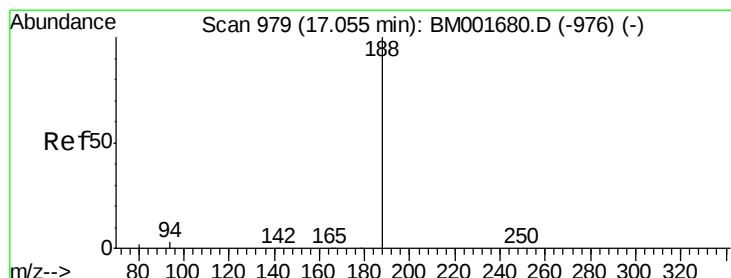
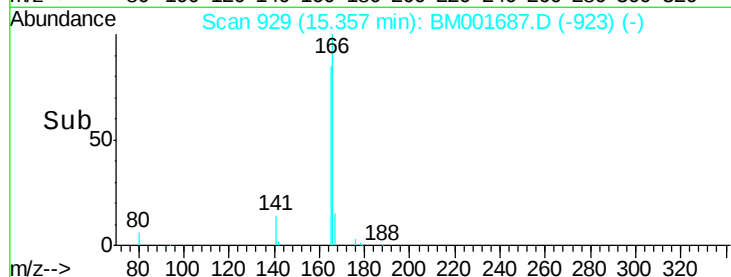
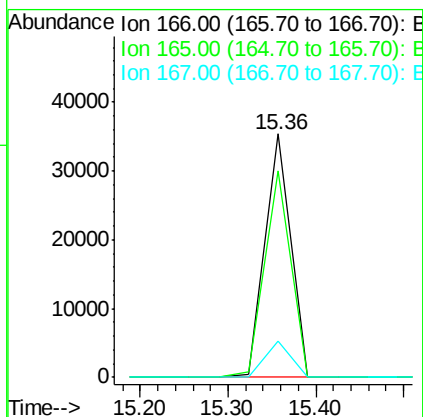
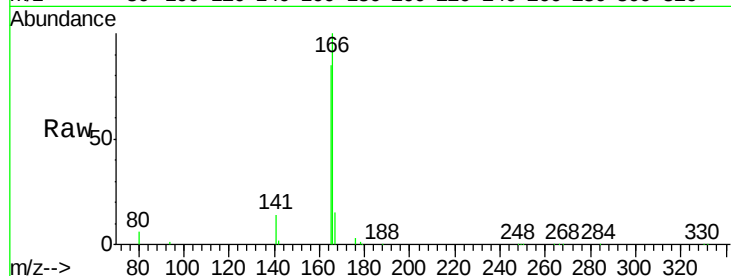




#17
Fluorene
 Concen: 6.58 ng
 RT: 15.36 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

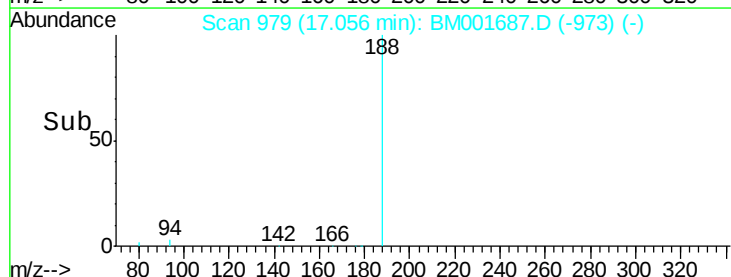
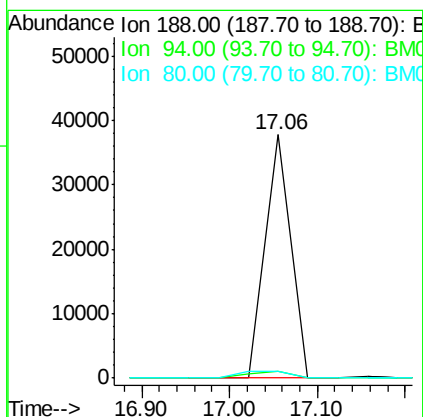
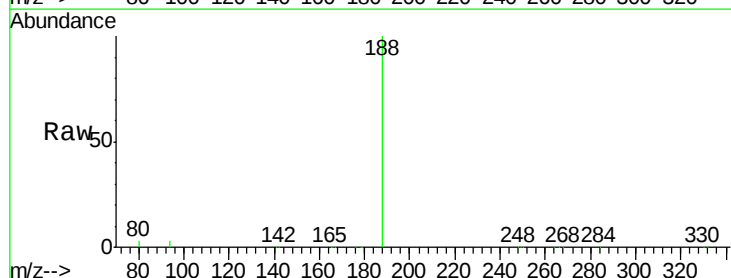
Instrument :
 BNA_M
 ClientSampleId :
 PB83987BS

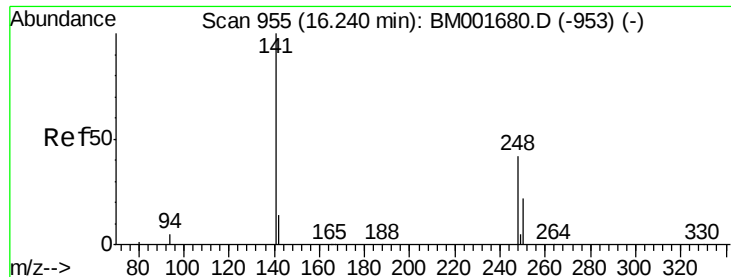
Tgt Ion:166 Resp: 73052
 Ion Ratio Lower Upper
 166 100
 165 85.5 68.5 102.7
 167 14.5 11.8 17.6



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

Tgt Ion:188 Resp: 77254
 Ion Ratio Lower Upper
 188 100
 94 2.9 2.2 3.2
 80 2.6 1.8 2.8

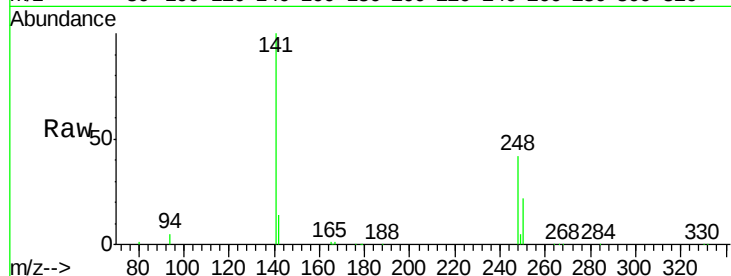




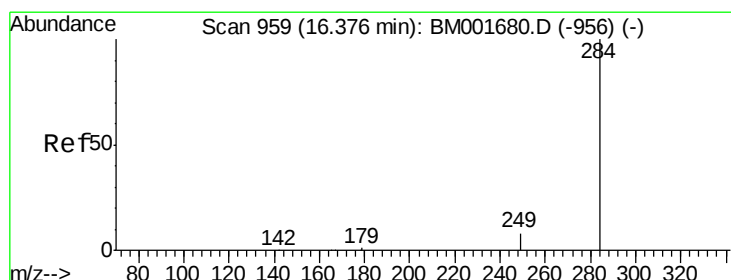
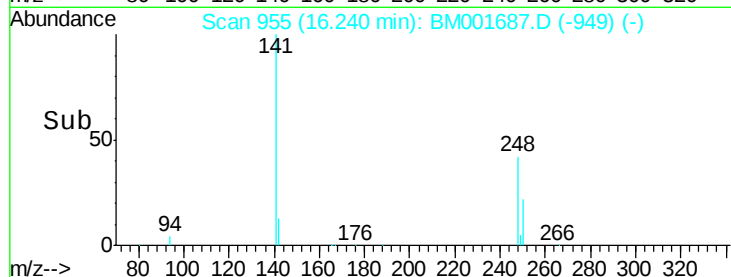
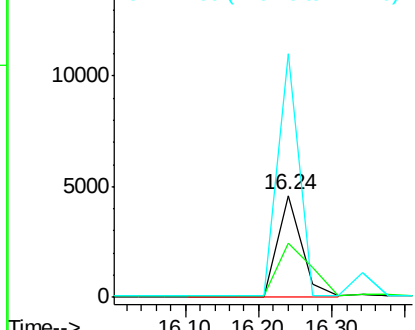
#19
4-Bromophenyl-phenylether
Concen: 7.13 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001687.D
Acq: 13 Jun 2015 01:46

Instrument :
BNA_M
ClientSampleId :
PB83987BS

Tgt Ion:248 Resp: 10428
Ion Ratio Lower Upper
248 100
250 72.3 59.7 89.5
141 214.7 166.4 249.6

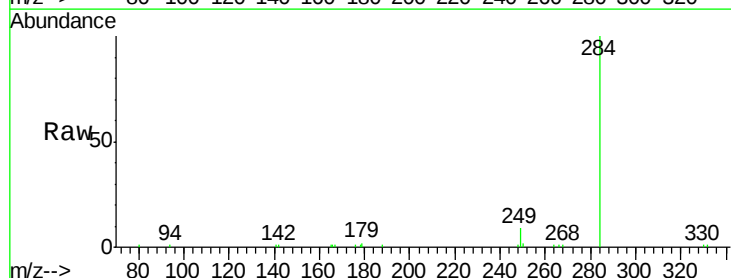


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

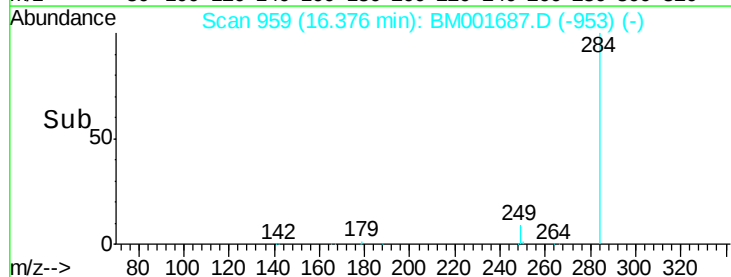
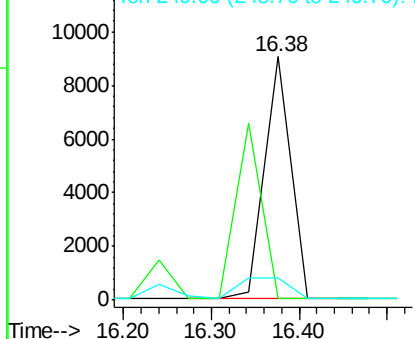


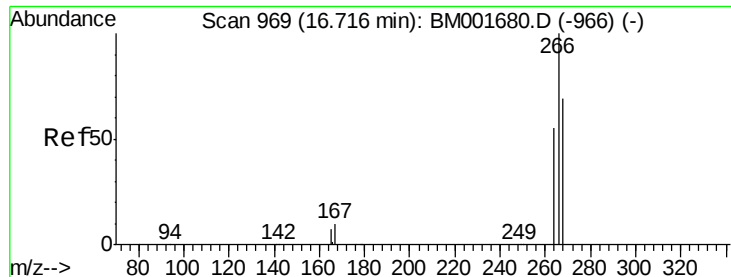
#20
Hexachlorobenzene
Concen: 6.81 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001687.D
Acq: 13 Jun 2015 01:46

Tgt Ion:284 Resp: 18919
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 16.7 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

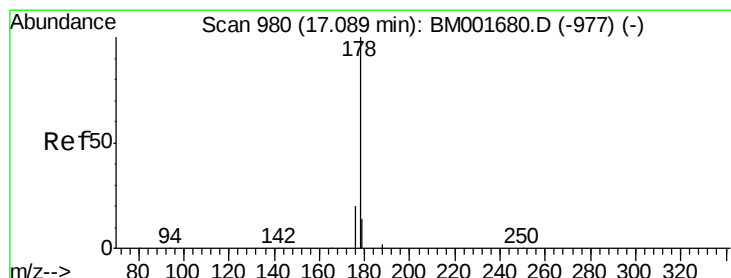
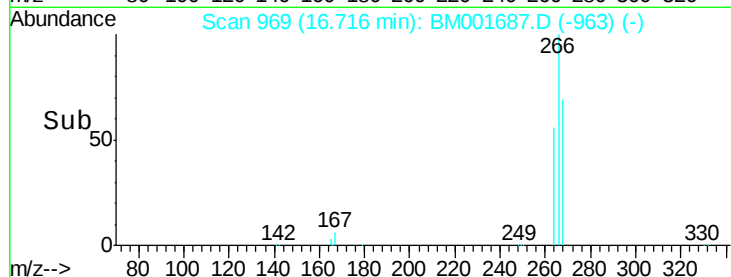
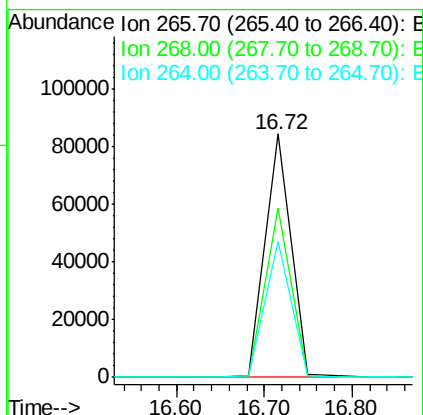
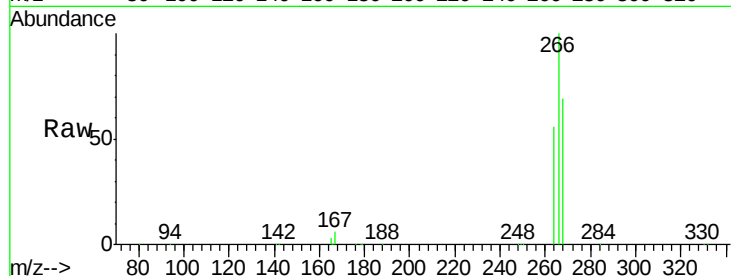




#21
 Pentachlorophenol
 Concen: 95.65 ng
 RT: 16.72 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

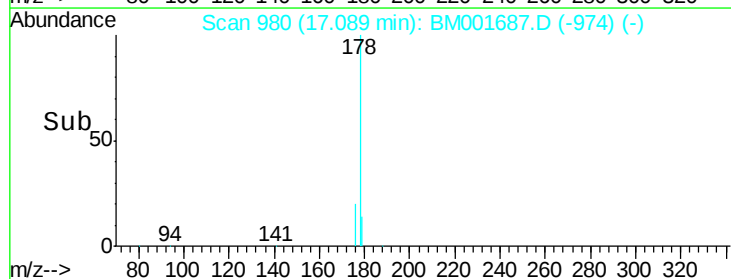
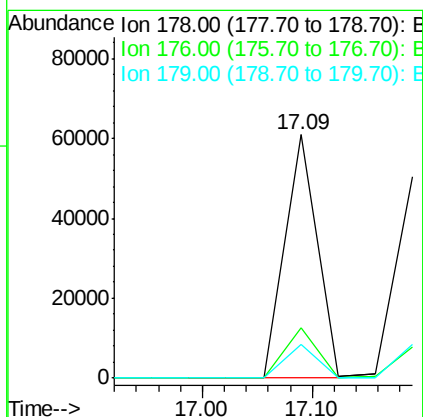
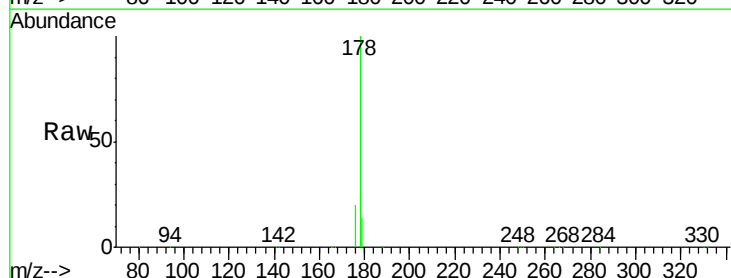
Instrument :
 BNA_M
 ClientSampleId :
 PB83987BS

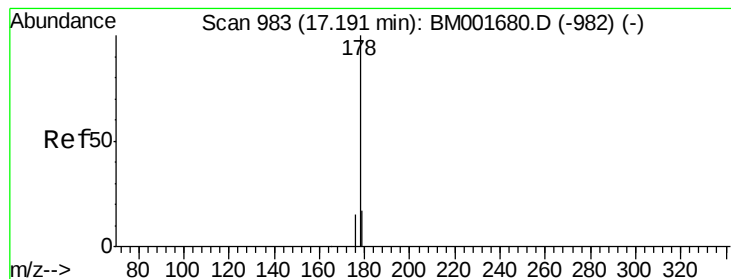
Tgt Ion: 266 Resp: 175655
 Ion Ratio Lower Upper
 266 100
 268 69.3 57.2 85.8
 264 56.0 46.3 69.5



#22
 Phenanthrene
 Concen: 7.26 ng
 RT: 17.09 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

Tgt Ion: 178 Resp: 125160
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 14.1 11.8 17.8





#23

Anthracene

Concen: 7.47 ng

RT: 17.19 min Scan# 983

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

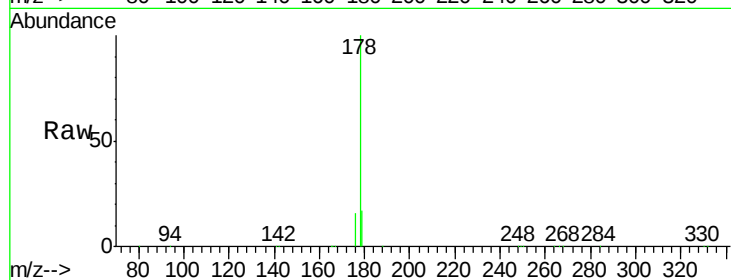
Tgt Ion:178 Resp: 102862

Ion Ratio Lower Upper

178 100

176 15.5 12.6 18.8

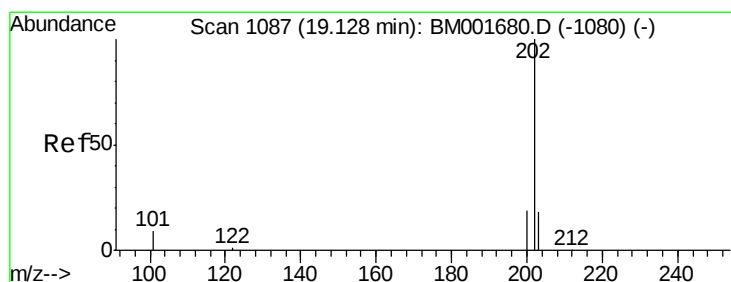
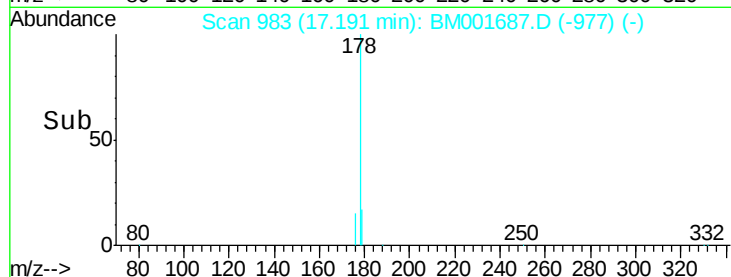
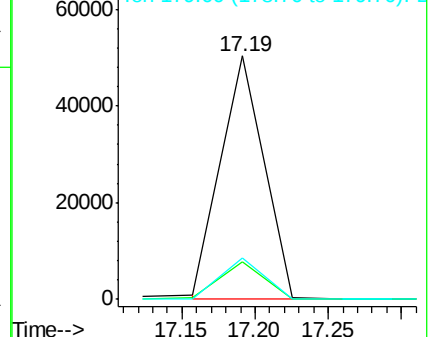
179 16.7 13.5 20.3



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



#24

Fluoranthene

Concen: 7.40 ng

RT: 19.13 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

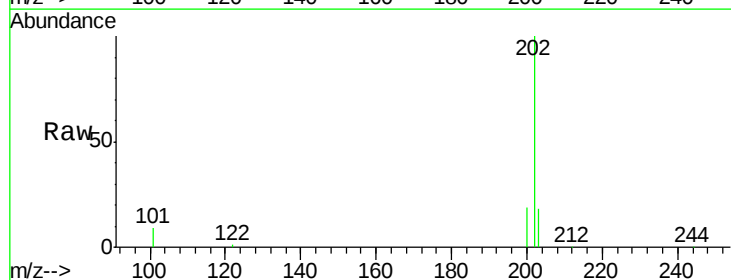
Tgt Ion:202 Resp: 104213

Ion Ratio Lower Upper

202 100

101 12.9 10.3 15.5

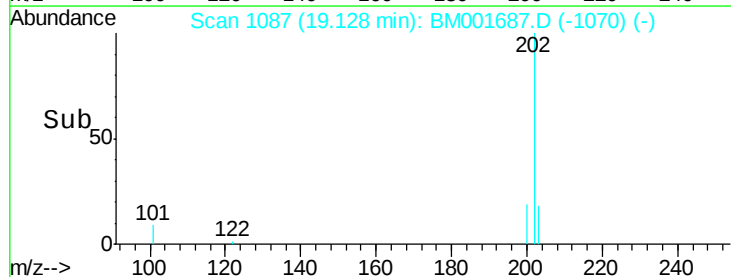
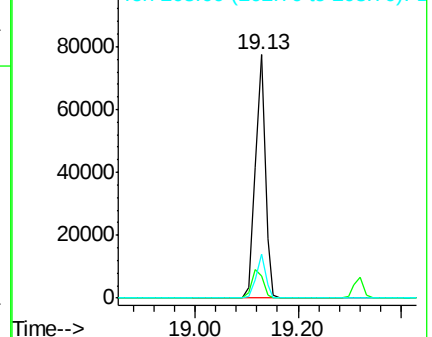
203 17.4 13.8 20.6

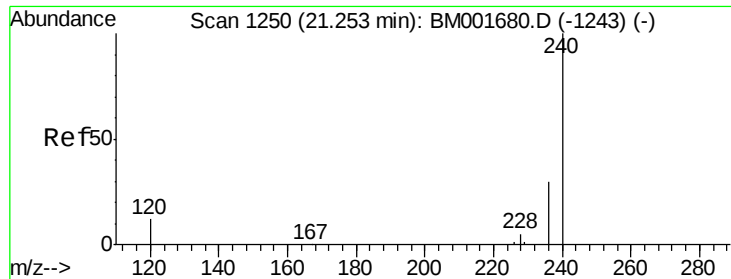


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

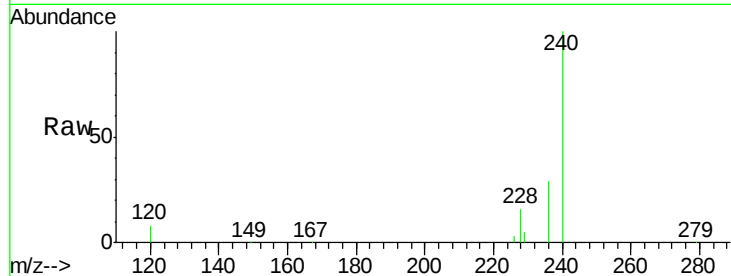
Tgt Ion:240 Resp: 46476

Ion Ratio Lower Upper

240 100

120 8.3 9.9 14.9#

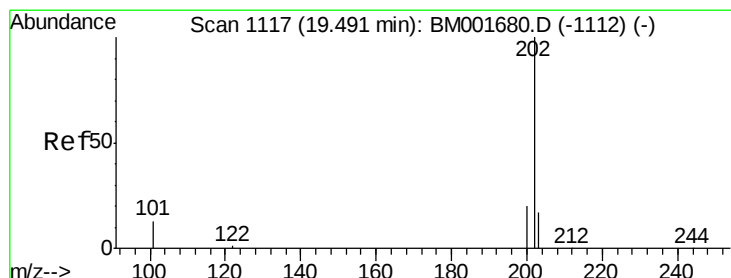
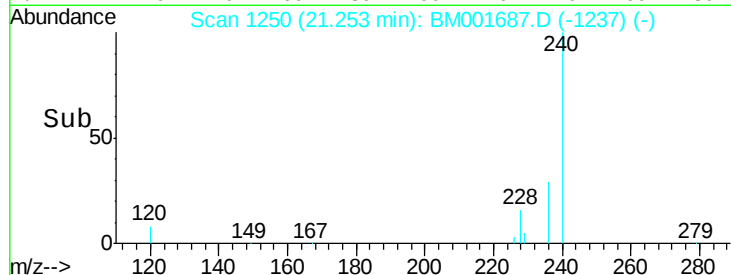
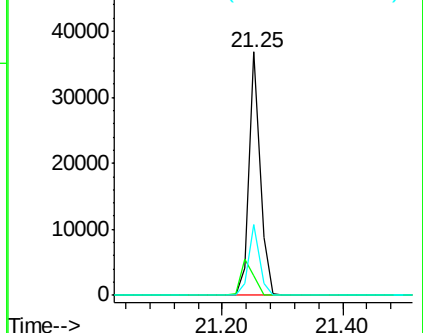
236 29.1 23.9 35.9



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



#26

Pyrene

Concen: 7.27 ng

RT: 19.49 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

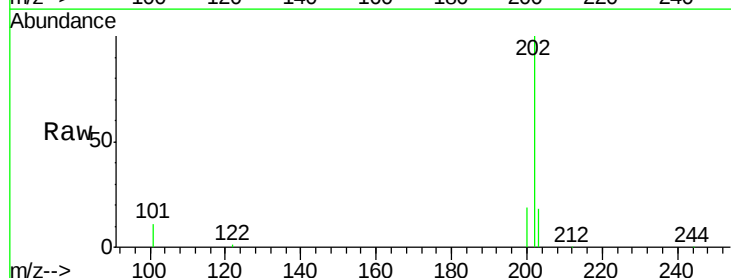
Tgt Ion:202 Resp: 114210

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

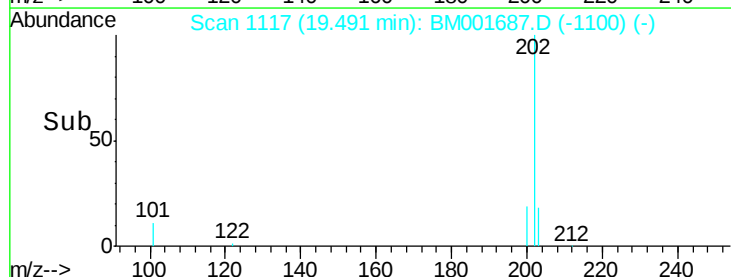
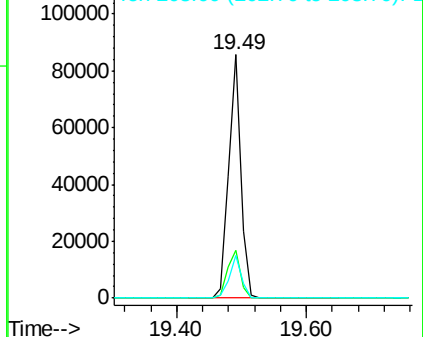
203 17.7 13.6 20.4

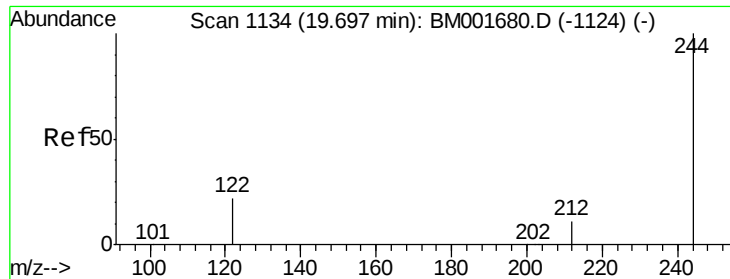


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

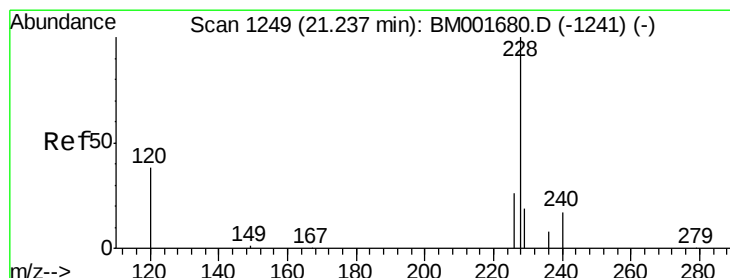
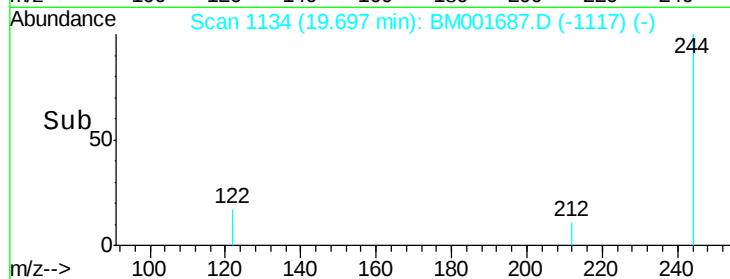
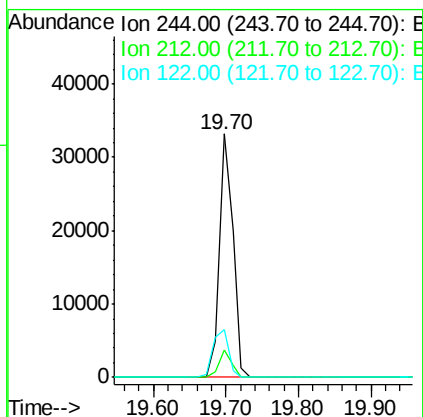
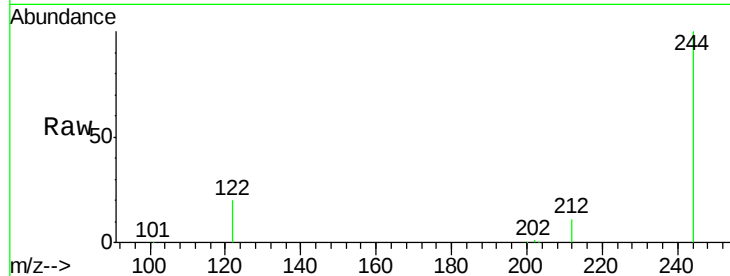




#27
 Terphenyl-d14
 Concen: 6.22 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

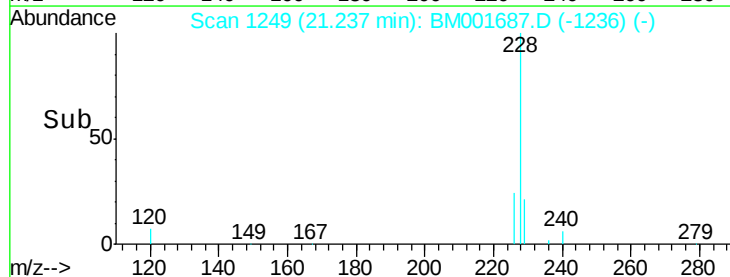
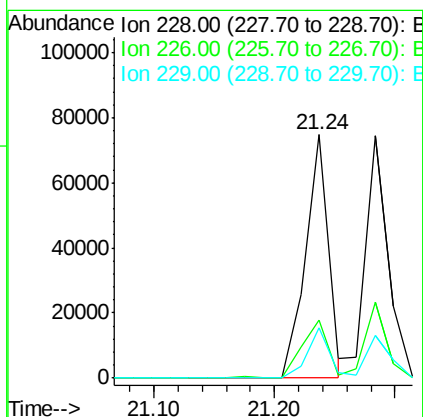
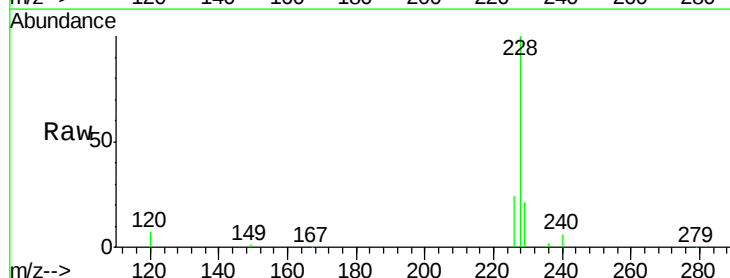
Instrument :
 BNA_M
 ClientSampleId :
 PB83987BS

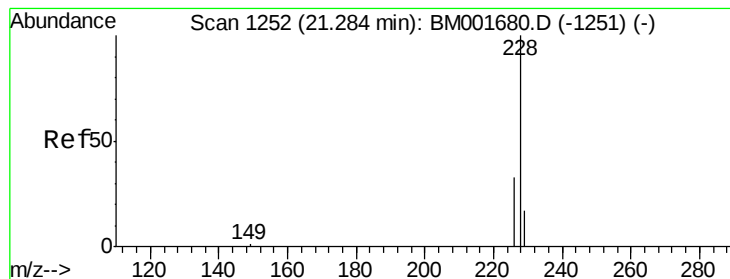
Tgt Ion: 244 Resp: 43204
 Ion Ratio Lower Upper
 244 100
 212 11.1 9.6 14.4
 122 19.6 18.4 27.6



#28
 Benzo(a)anthracene
 Concen: 6.74 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM001687.D
 Acq: 13 Jun 2015 01:46

Tgt Ion: 228 Resp: 98869
 Ion Ratio Lower Upper
 228 100
 226 23.8 21.0 31.4
 229 20.6 15.8 23.8





#29

Chrysene

Concen: 6.62 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

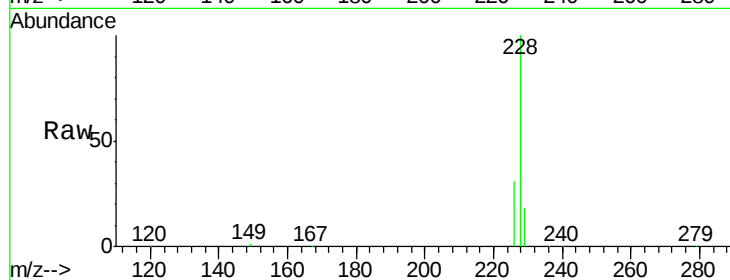
Tgt Ion:228 Resp: 90292

Ion Ratio Lower Upper

228 100

226 31.1 27.4 41.0

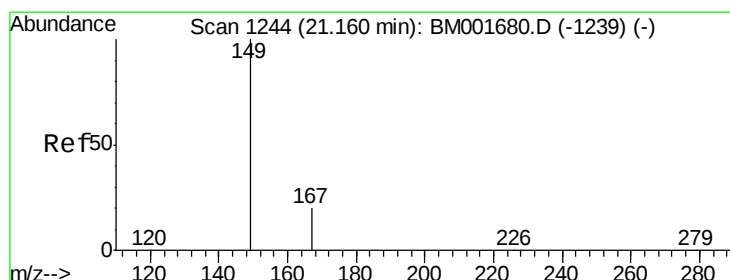
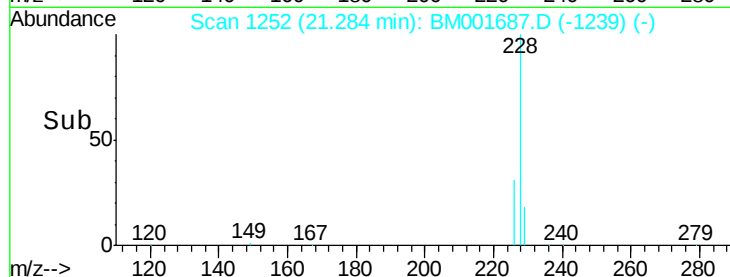
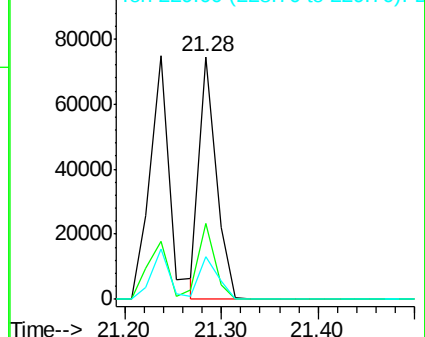
229 17.8 13.7 20.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 6.51 ng

RT: 21.16 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

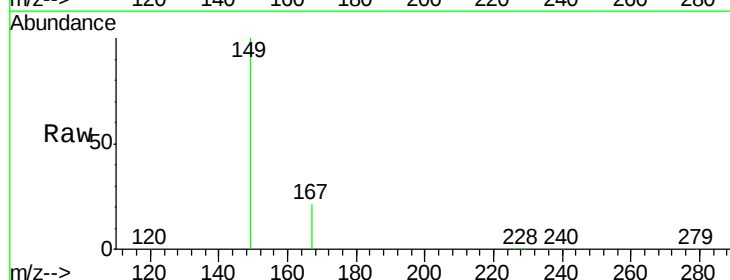
Tgt Ion:149 Resp: 65030

Ion Ratio Lower Upper

149 100

167 25.2 20.4 30.6

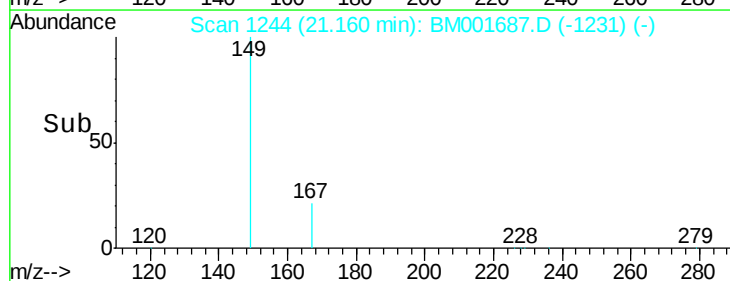
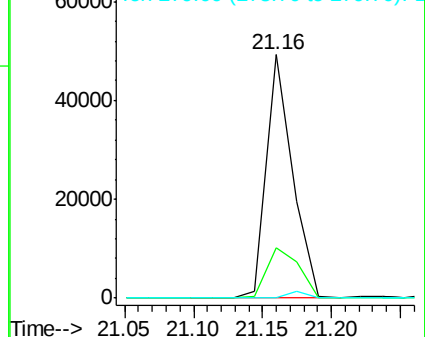
279 2.2 1.7 2.5

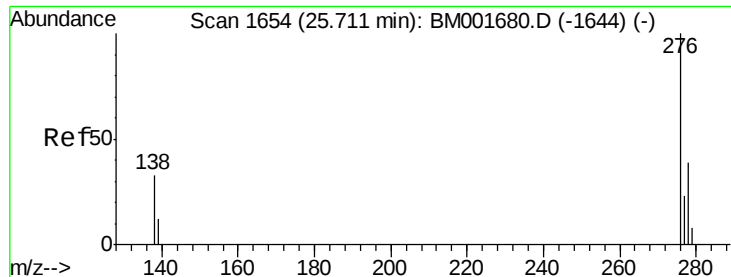


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 6.91 ng

RT: 25.71 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

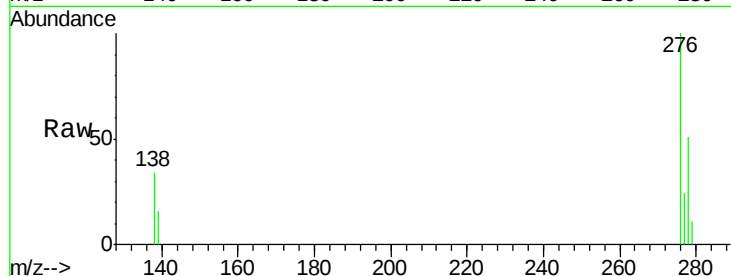
Tgt Ion:276 Resp: 99182

Ion Ratio Lower Upper

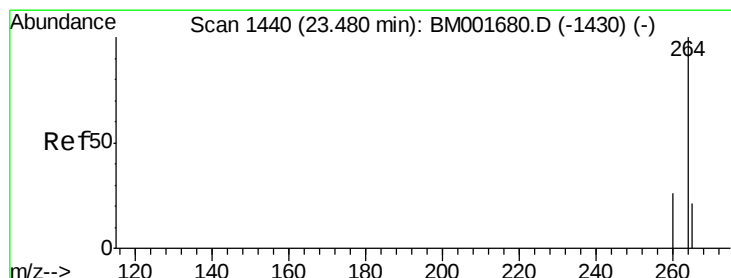
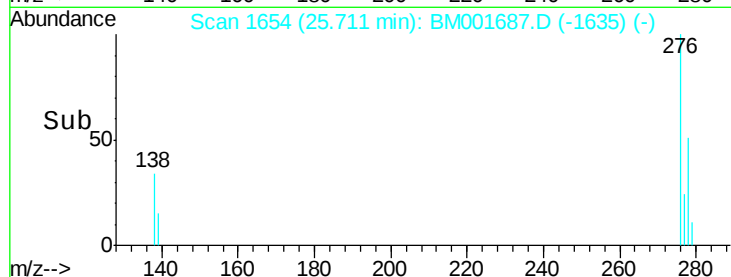
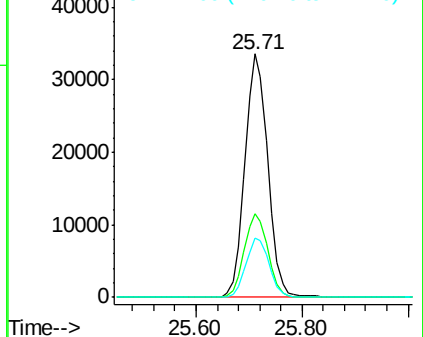
276 100

138 35.4 27.8 41.8

277 24.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.48 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

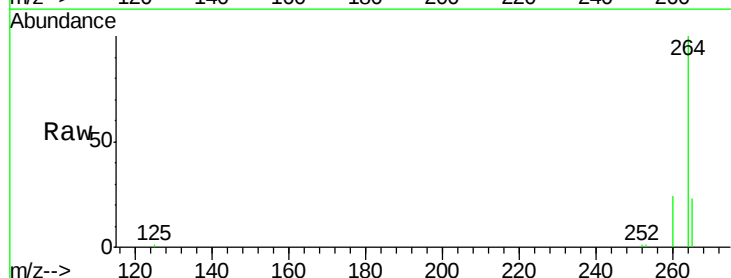
Tgt Ion:264 Resp: 41635

Ion Ratio Lower Upper

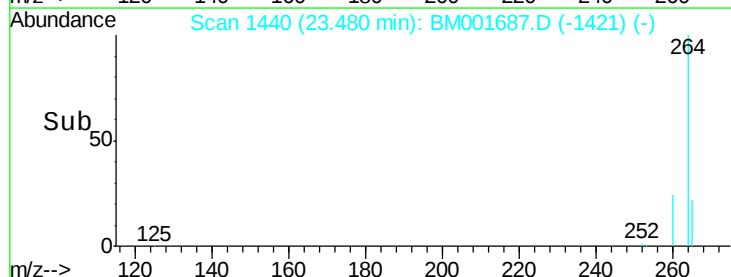
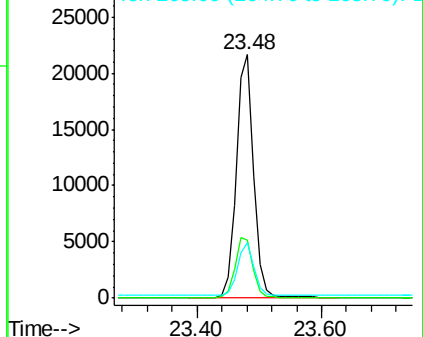
264 100

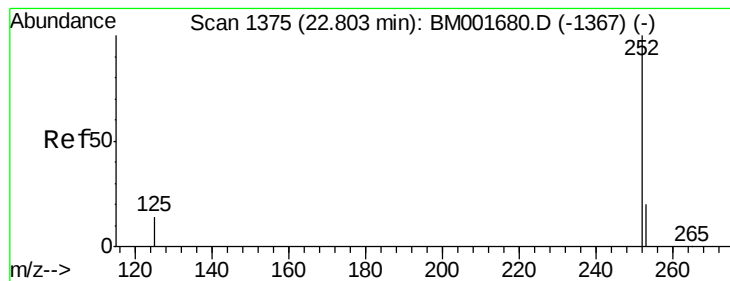
260 23.9 20.8 31.2

265 22.8 17.3 25.9



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: 7.13 ng

RT: 22.80 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

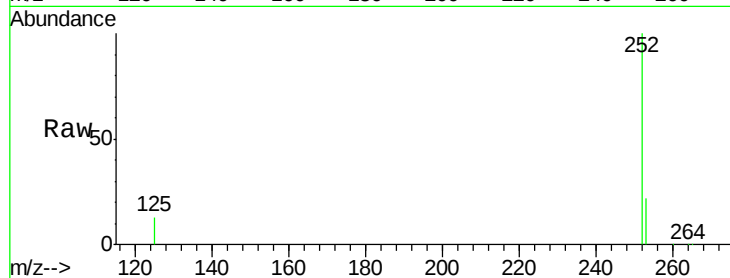
Tgt Ion:252 Resp: 93080

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

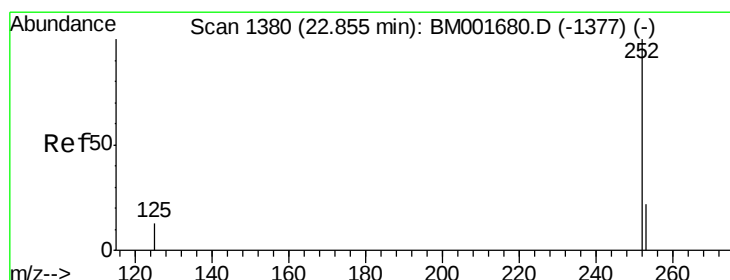
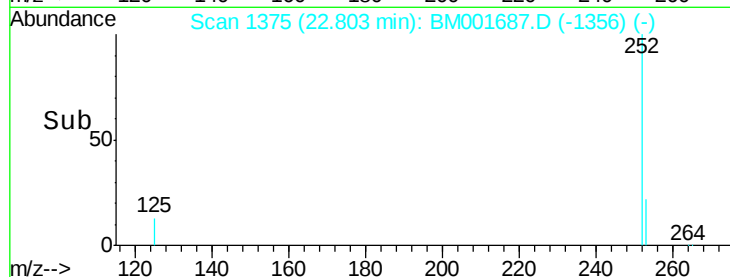
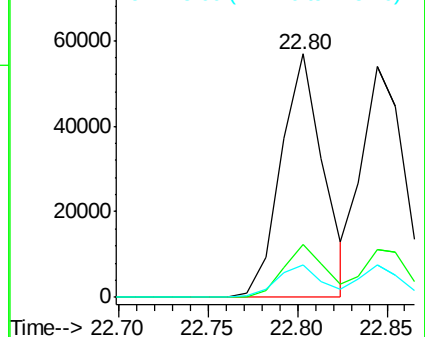
125 13.2 12.3 18.5



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



#34

Benzo(k)fluoranthene

Concen: 7.19 ng

RT: 22.84 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

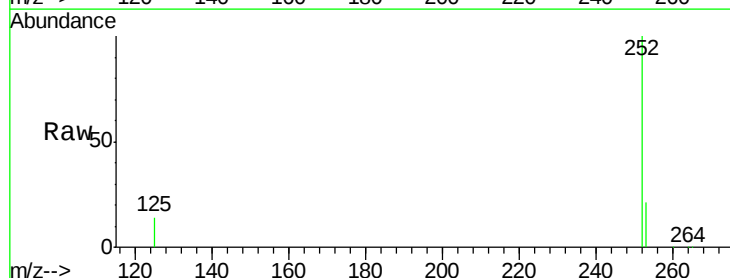
Tgt Ion:252 Resp: 88505

Ion Ratio Lower Upper

252 100

253 20.6 19.4 29.0

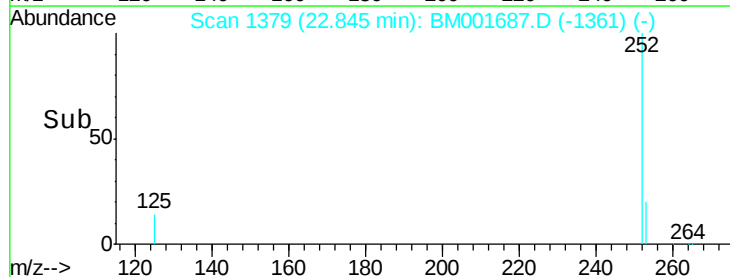
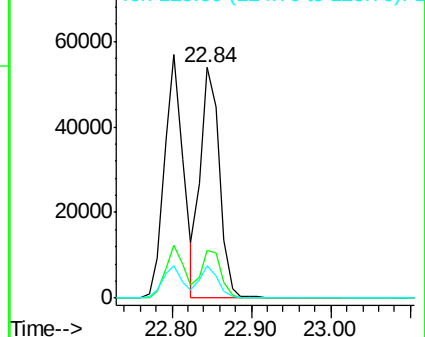
125 14.1 11.0 16.4

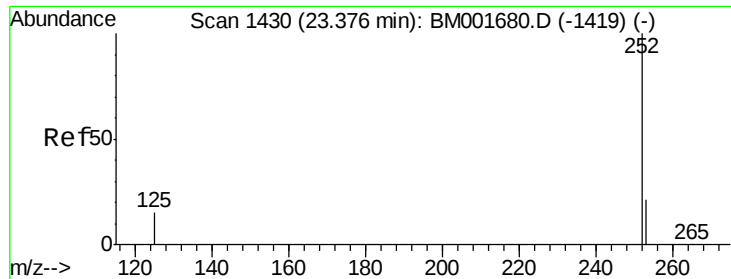


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 7.52 ng

RT: 23.38 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS

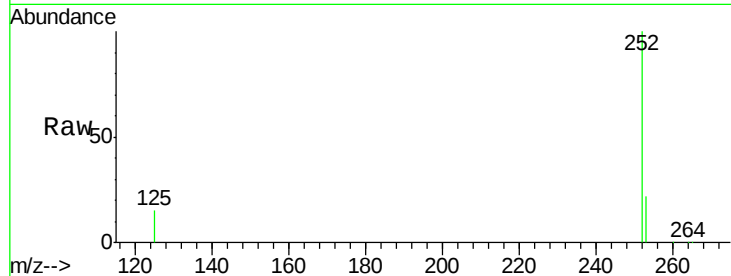
Tgt Ion: 252 Resp: 85620

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

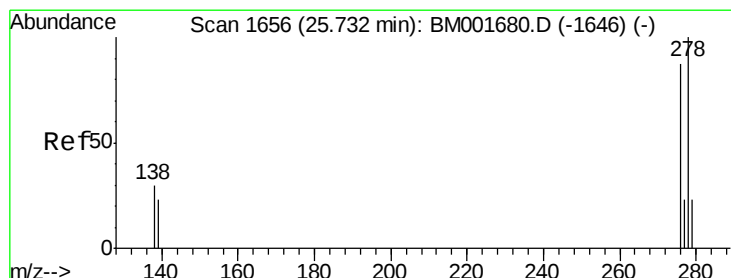
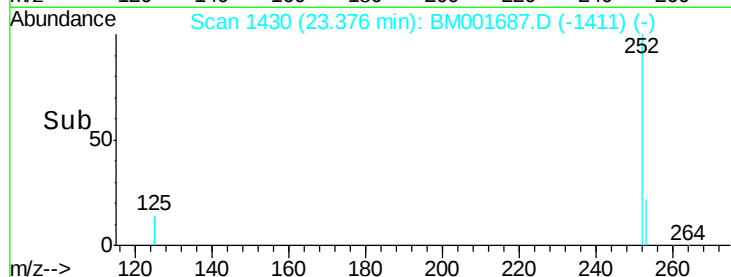
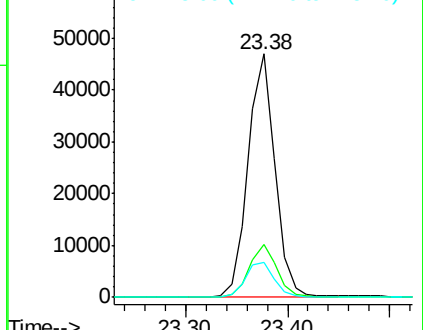
125 14.5 13.4 20.2



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: 7.13 ng

RT: 25.73 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BM001687.D

Acq: 13 Jun 2015 01:46

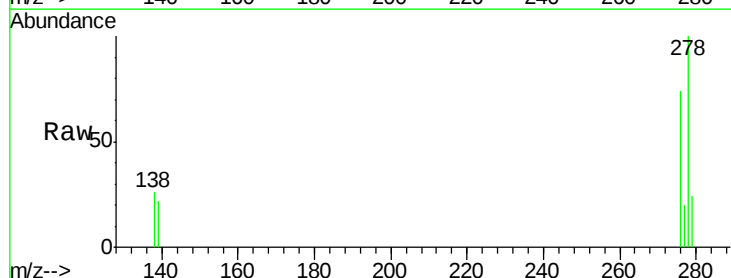
Tgt Ion: 278 Resp: 80466

Ion Ratio Lower Upper

278 100

139 21.9 19.4 29.0

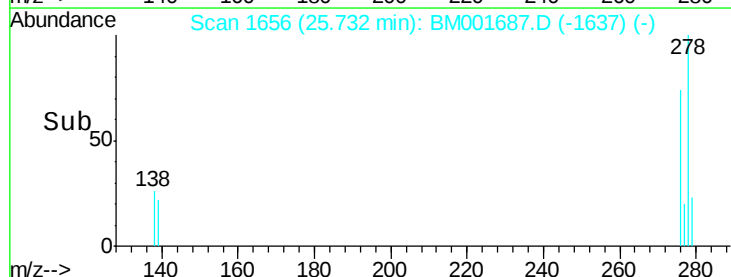
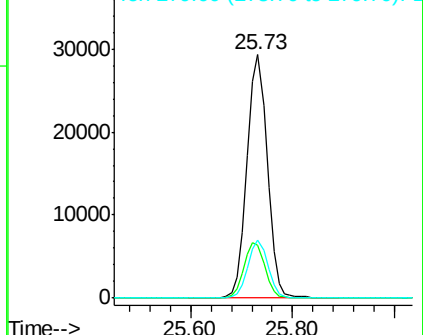
279 23.6 19.4 29.2

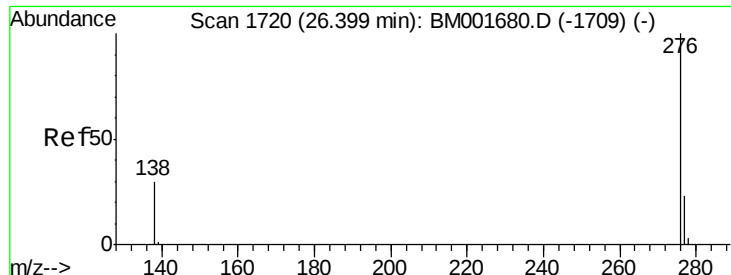


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.03 ng

RT: 26.40 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BM001687.D

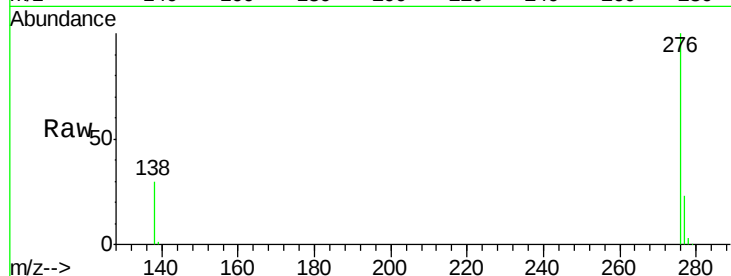
Acq: 13 Jun 2015 01:46

Instrument :

BNA_M

ClientSampleId :

PB83987BS



Tgt Ion: 276 Resp: 83351

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 30.1 25.0 37.6

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

