

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001666.D
 Acq On : 12 Jun 2015 07:51
 Operator : TP/IZ
 Sample : PB83924BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83924BL

Quant Time: Jun 12 16:52:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:27:37 2015
 Response via : Initial Calibration

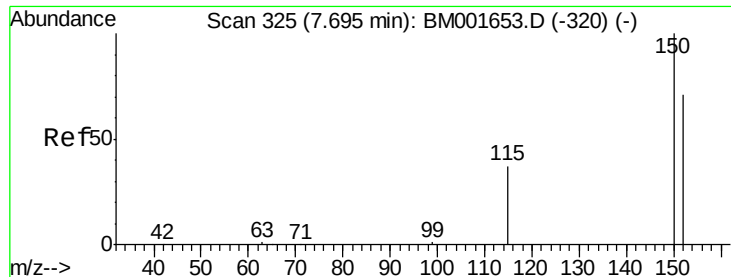
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	24414	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	89331	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	40890	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	43368	5.00	ng	0.00
25) Chrysene-d12	21.27	240	62427	5.00	ng	0.00
32) Perylene-d12	23.50	264	57141	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	65932	11.41	ng	0.00
5) Phenol-d6	6.84	99	86075	11.85	ng	0.00
7) Nitrobenzene-d5	8.85	82	52910	7.74	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	20610	13.84	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	105907	7.42	ng	0.00
27) Terphenyl-d14	19.72	244	65808	6.99	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.85	77	190	0.03	ng	# 40
21) Pentachlorophenol	16.72	266	18	0.30	ng	# 64
28) Benzo(a)anthracene	21.25	228	941	0.05	ng	# 60
29) Chrysene	21.25	228	941	0.05	ng	# 68
30) Bis(2-ethylhexyl)phthalate	21.18	149	284	0.24	ng	92
31) Indeno(1,2,3-cd)pyrene	25.75	276	740	0.05	ng	95
33) Benzo(b)fluoranthene	22.82	252	579	0.03	ng	# 16
34) Benzo(k)fluoranthene	22.82	252	569	0.03	ng	# 16
35) Benzo(a)pyrene	23.40	252	422	0.03	ng	# 30
36) Dibenzo(a,h)anthracene	25.77	278	483	0.04	ng	# 39
37) Benzo(g,h,i)perylene	26.44	276	636	0.07	ng	# 59

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

```
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\  
Data File : BM001666.D  
Acq On    : 12 Jun 2015  07:51  
Operator  : TP/IZ  
Sample    : PB83924BL  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

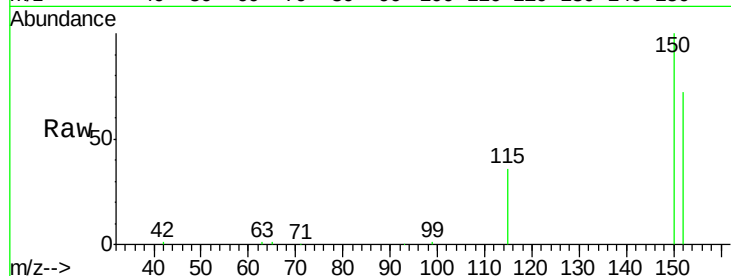
Tgt Ion:152 Resp: 24414

Ion Ratio Lower Upper

152 100

150 138.1 112.2 168.2

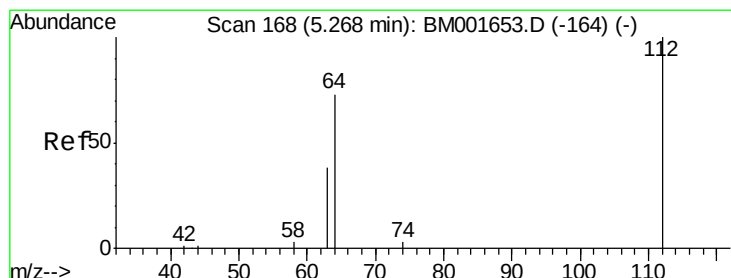
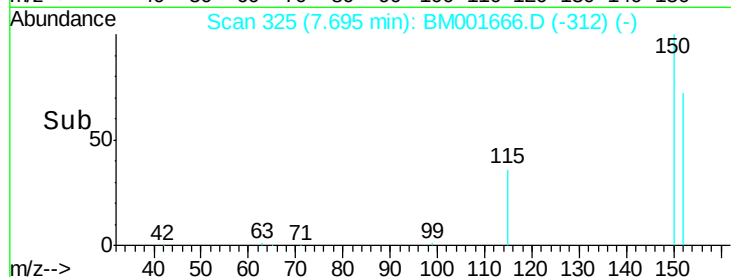
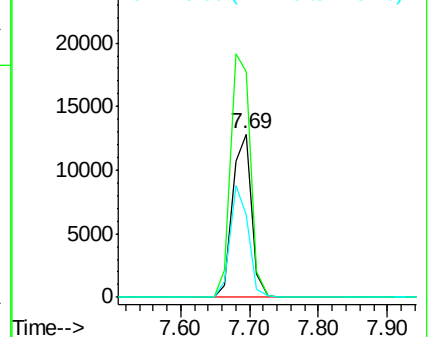
115 50.2 41.7 62.5



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



#4

2-Fluorophenol

Concen: 11.41 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

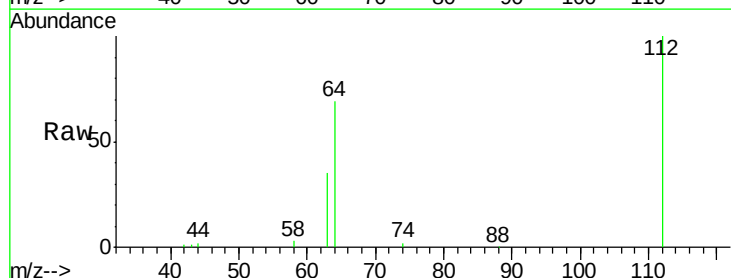
Tgt Ion:112 Resp: 65932

Ion Ratio Lower Upper

112 100

64 68.9 55.5 83.3

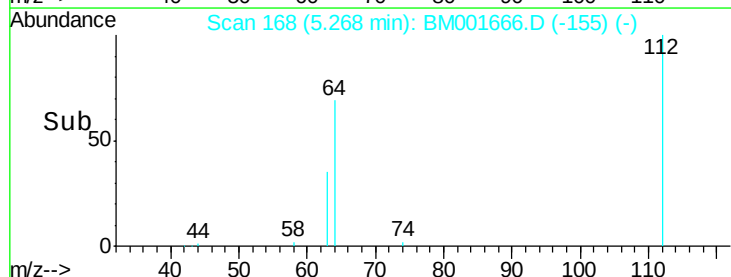
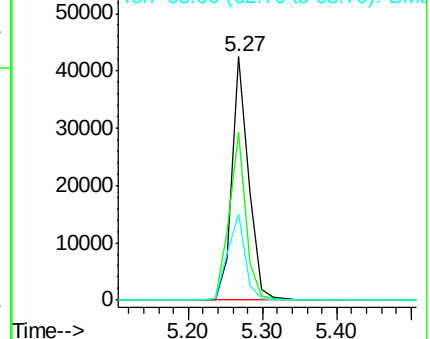
63 37.2 29.9 44.9

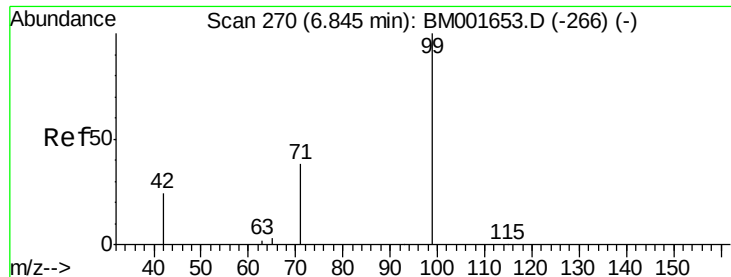


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 11.85 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

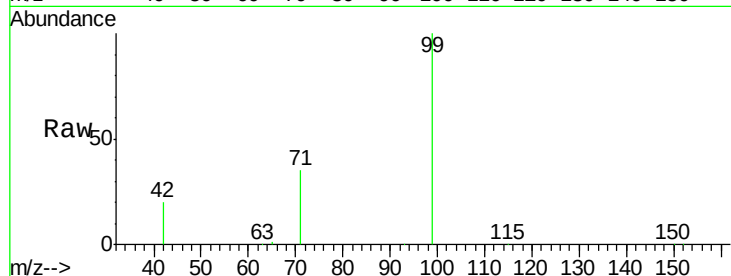
Tgt Ion: 99 Resp: 86075

Ion Ratio Lower Upper

99 100

42 24.7 21.6 32.4

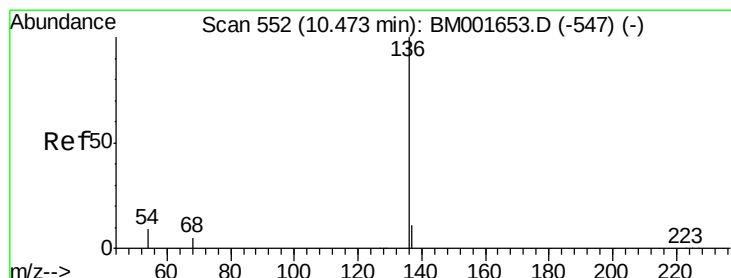
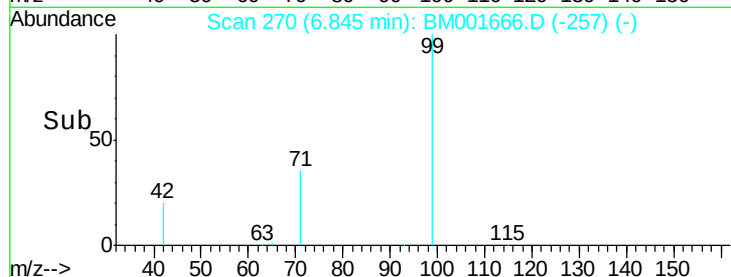
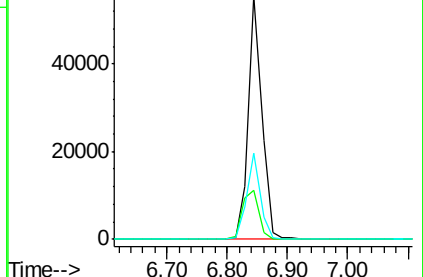
71 35.0 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001653.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001653.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001653.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Tgt Ion: 136 Resp: 89331

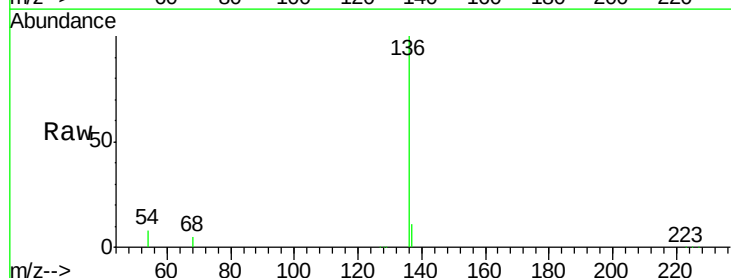
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.9 6.9 10.3

68 5.3 4.4 6.6

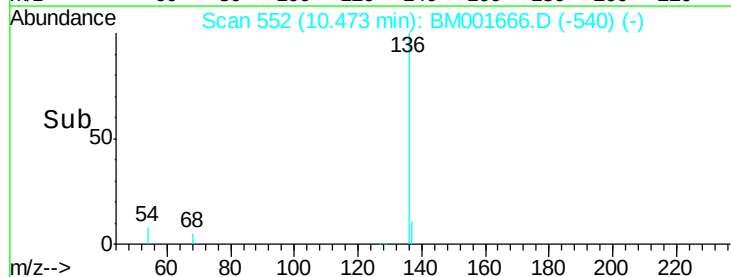
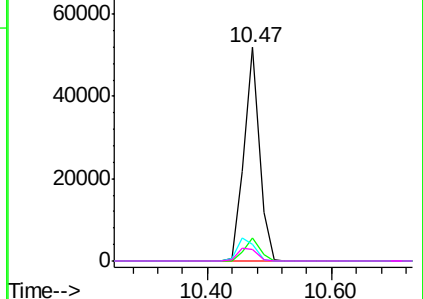


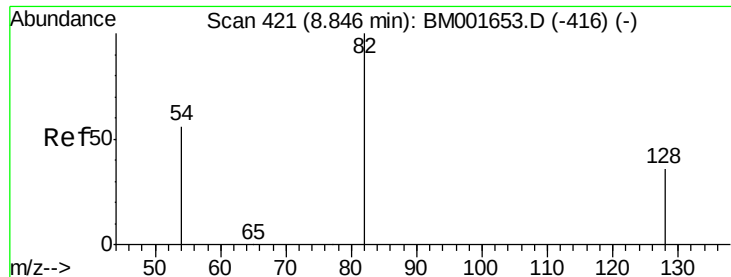
Abundance Ion 136.00 (135.70 to 136.70): BM001653.D (-547) (-)

Ion 137.00 (136.70 to 137.70): BM001653.D (-547) (-)

Ion 54.00 (53.70 to 54.70): BM001653.D (-547) (-)

Ion 68.00 (67.70 to 68.70): BM001653.D (-547) (-)





#7

Nitrobenzene-d5

Concen: 7.74 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

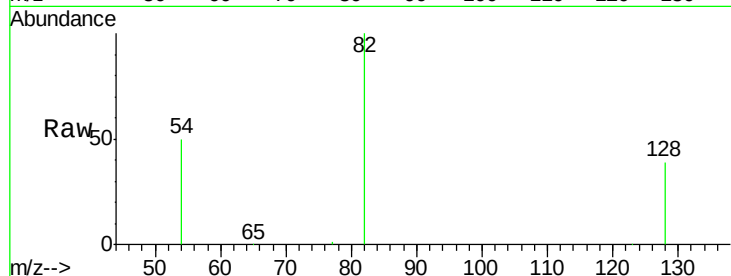
Tgt Ion: 82 Resp: 52910

Ion Ratio Lower Upper

82 100

128 39.0 29.7 44.5

54 49.9 45.1 67.7

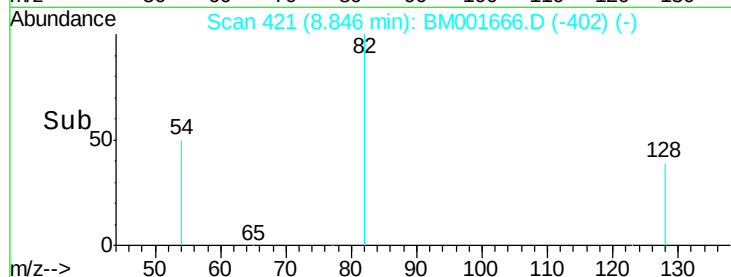


Abundance Ion 82.00 (81.70 to 82.70): BM001666.D (-402) (-)

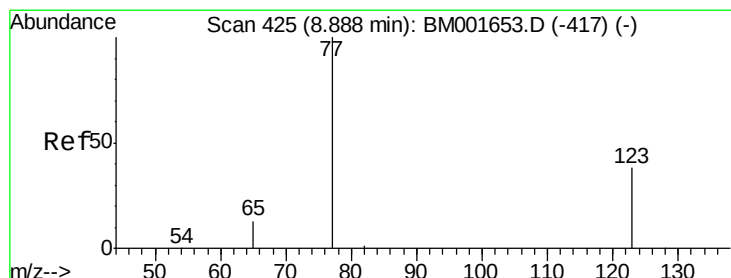
Ion 128.00 (127.70 to 128.70): BM001666.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM001666.D (-402) (-)

Time-->



Time-->



#8

Nitrobenzene

Concen: 0.03 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

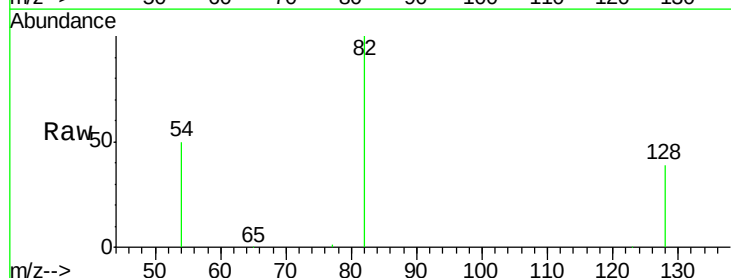
Tgt Ion: 77 Resp: 190

Ion Ratio Lower Upper

77 100

123 3.2 30.3 45.5#

65 41.6 11.2 16.8#

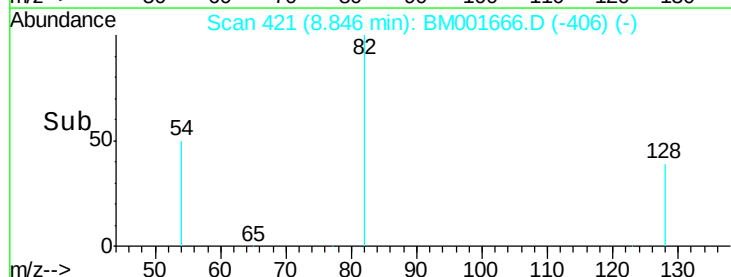


Abundance Ion 77.00 (76.70 to 77.70): BM001666.D (-406) (-)

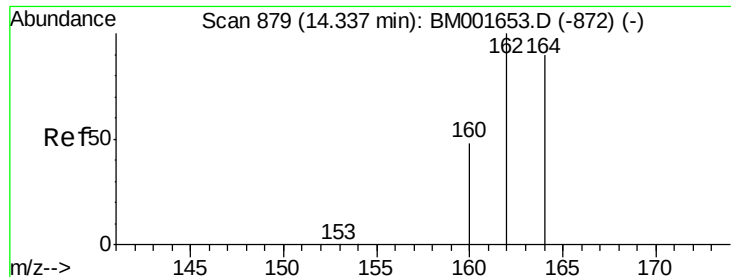
Ion 123.00 (122.70 to 123.70): BM001666.D (-406) (-)

Ion 65.00 (64.70 to 65.70): BM001666.D (-406) (-)

Time-->



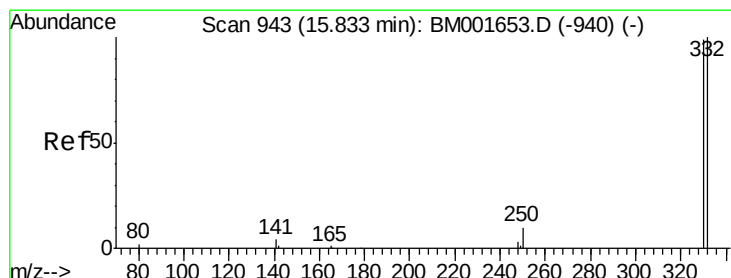
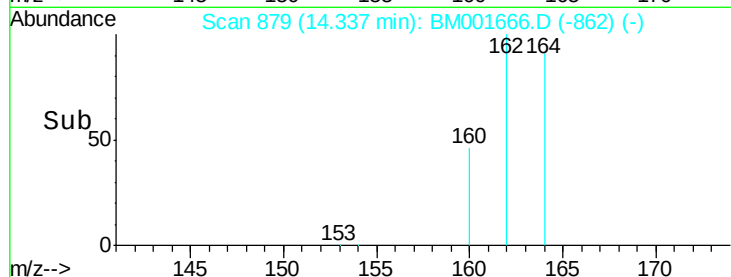
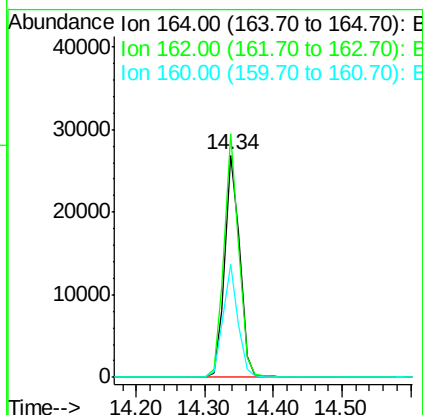
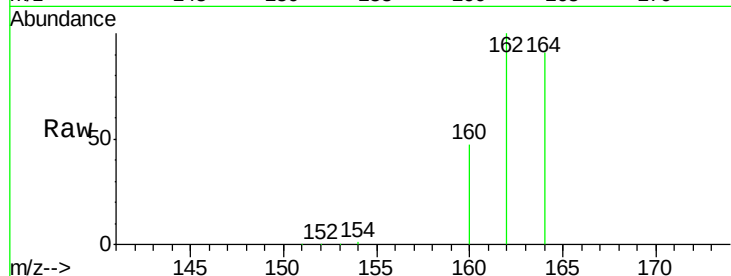
Time-->



#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.34 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BM001666.D
 Acq: 12 Jun 2015 07:51

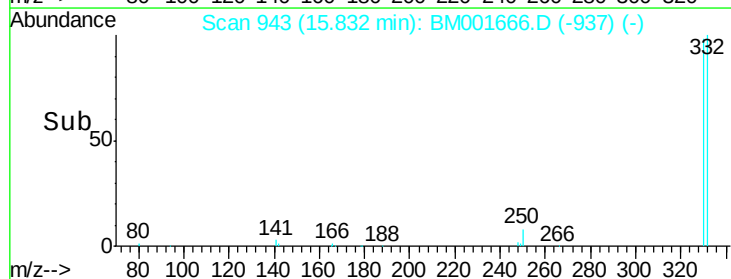
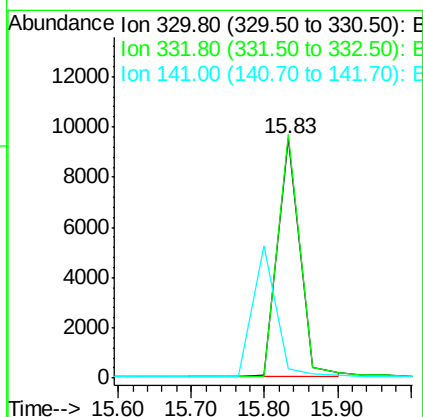
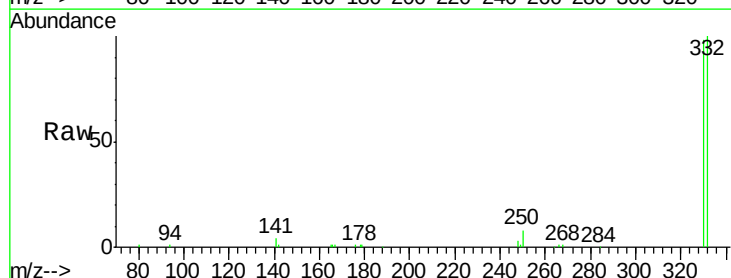
Instrument :
 BNA_M
 ClientSampleId :
 PB83924BL

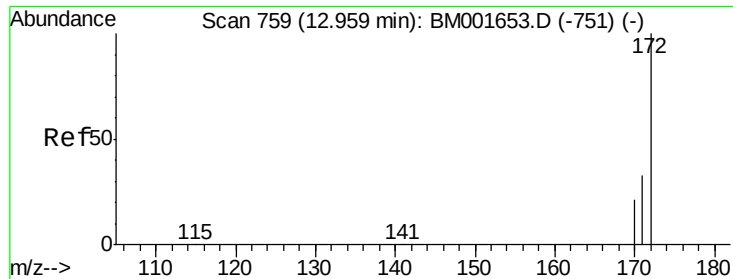
Tgt Ion:164 Resp: 40890
 Ion Ratio Lower Upper
 164 100
 162 109.4 89.0 133.4
 160 50.9 42.6 63.8



#13
 2,4,6-Tribromophenol
 Concen: 13.84 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001666.D
 Acq: 12 Jun 2015 07:51

Tgt Ion:330 Resp: 20610
 Ion Ratio Lower Upper
 330 100
 332 101.3 80.6 120.8
 141 0.0 0.0 0.0

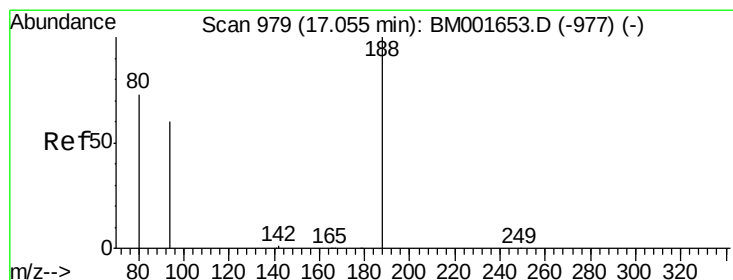
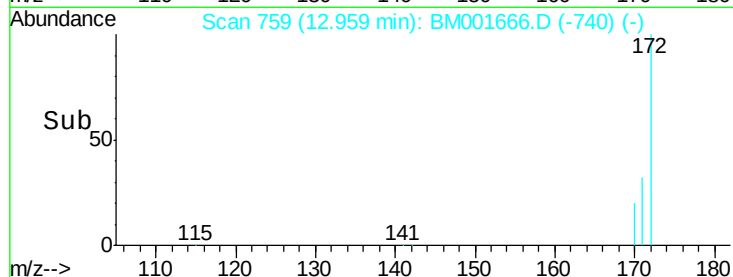
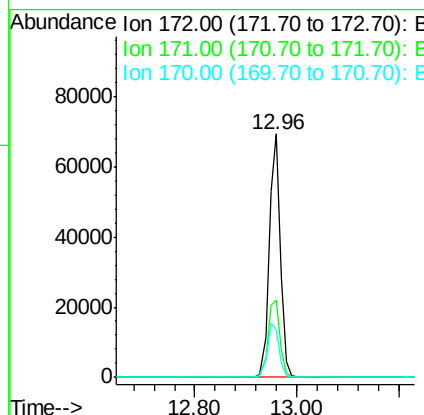
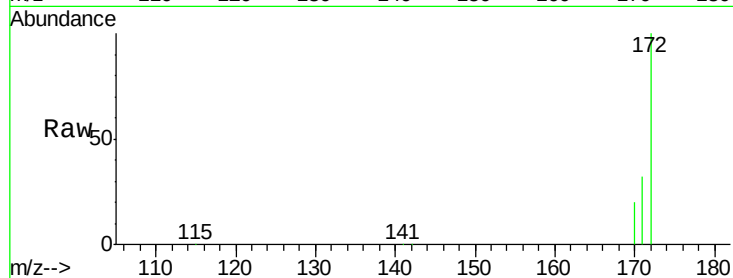




#14
2-Fluorobiphenyl
Concen: 7.42 ng
RT: 12.96 min Scan# 759
Delta R.T. -0.00 min
Lab File: BM001666.D
Acq: 12 Jun 2015 07:51

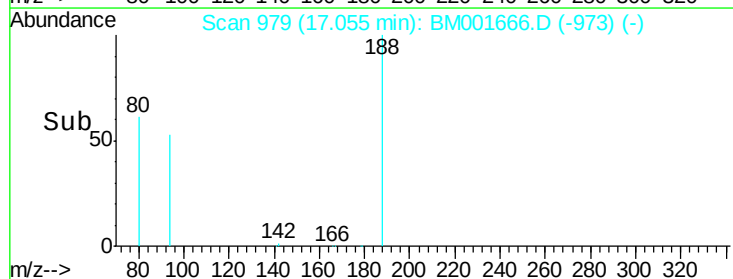
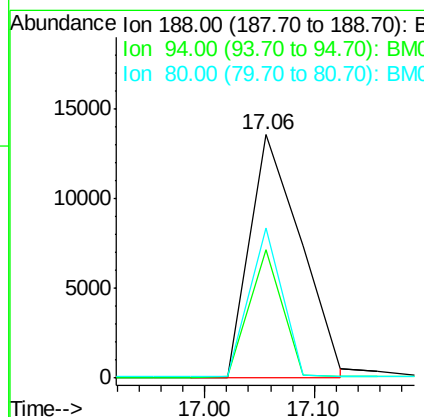
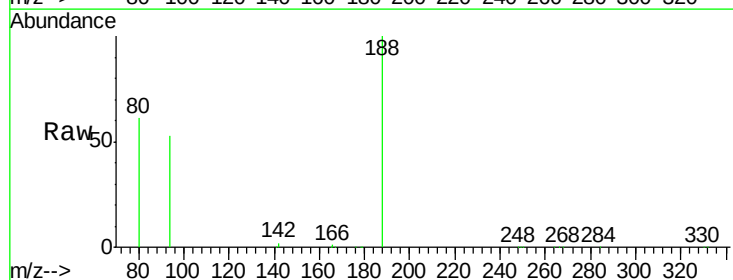
Instrument :
BNA_M
ClientSampleId :
PB83924BL

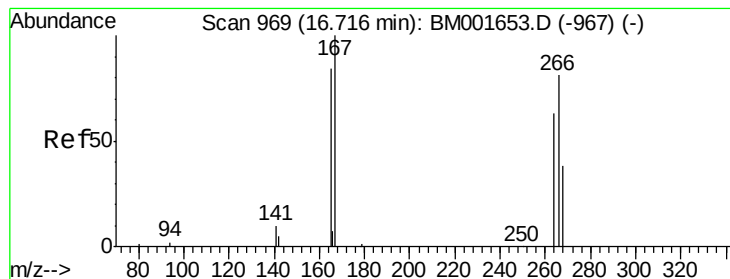
Tgt Ion:172 Resp: 105907
Ion Ratio Lower Upper
172 100
171 31.9 26.6 40.0
170 19.6 17.1 25.7



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM001666.D
Acq: 12 Jun 2015 07:51

Tgt Ion:188 Resp: 43368
Ion Ratio Lower Upper
188 100
94 52.9 48.3 72.5
80 61.5 58.6 88.0





#21

Pentachlorophenol

Concen: 0.30 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001666.D

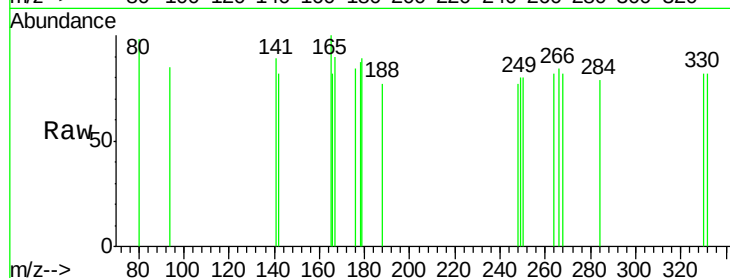
Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL



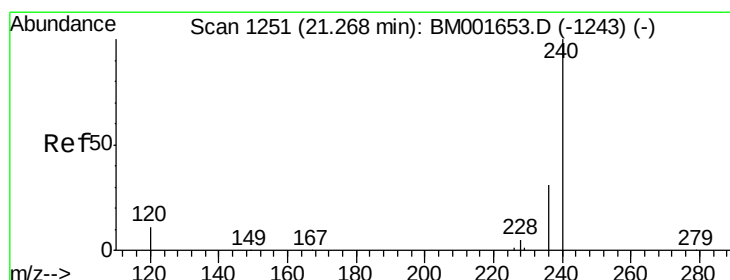
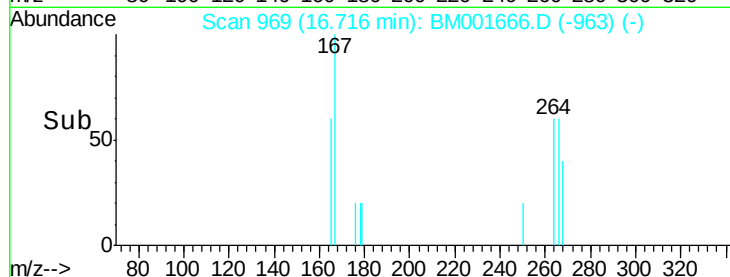
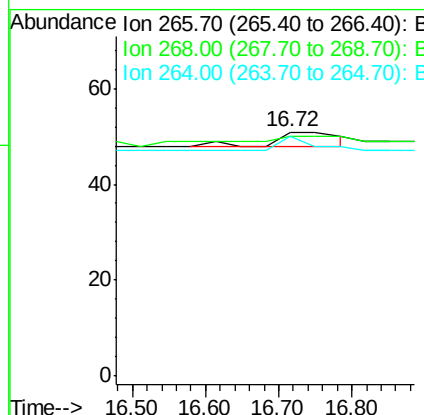
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

268 98.0 43.3 64.9#

264 98.0 64.5 96.7#



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

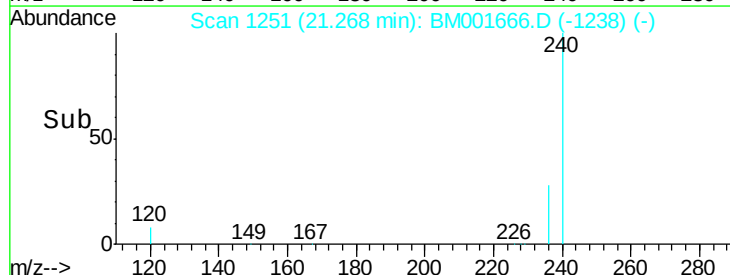
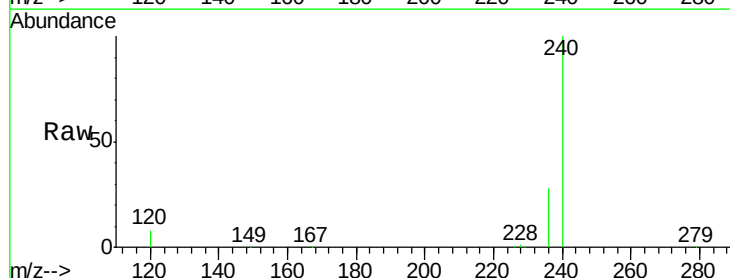
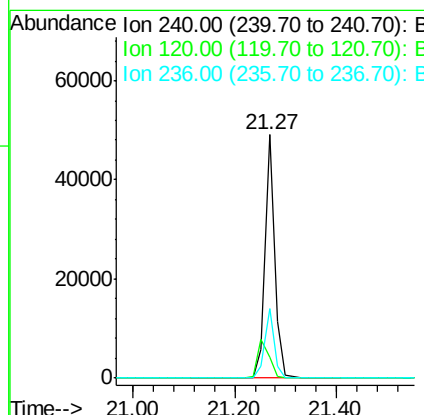
Tgt Ion:240 Resp: 62427

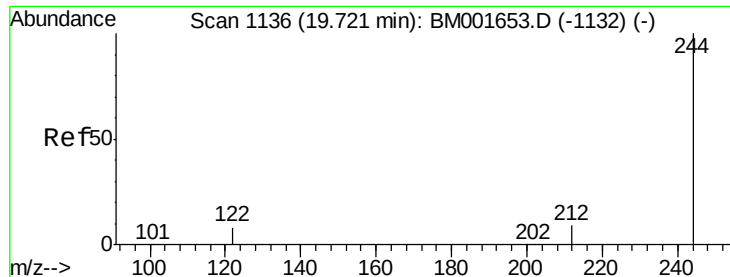
Ion Ratio Lower Upper

240 100

120 8.5 8.9 13.3#

236 28.5 24.6 36.8

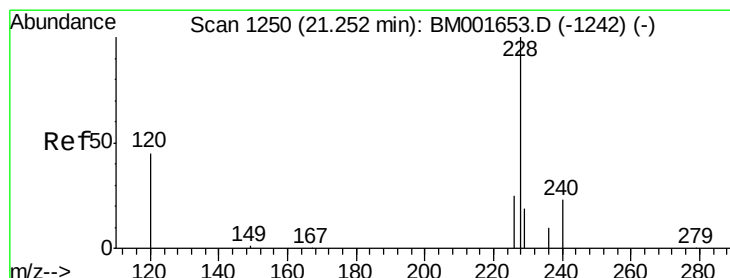
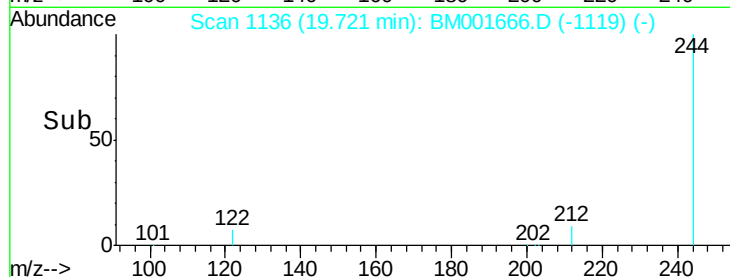
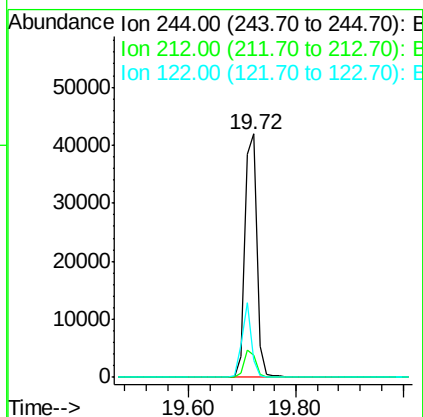
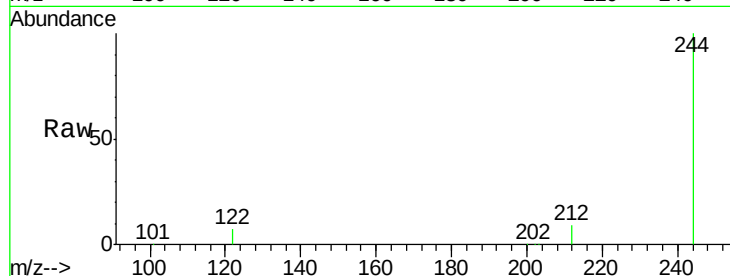




#27
 Terphenyl-d14
 Concen: 6.99 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001666.D
 Acq: 12 Jun 2015 07:51

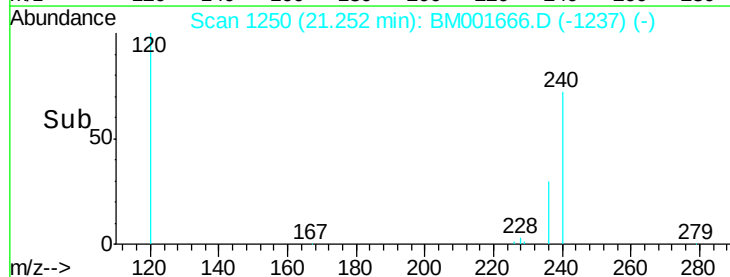
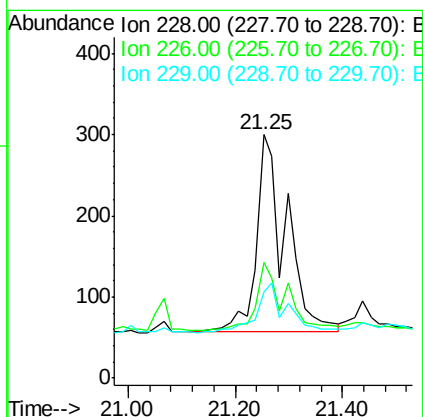
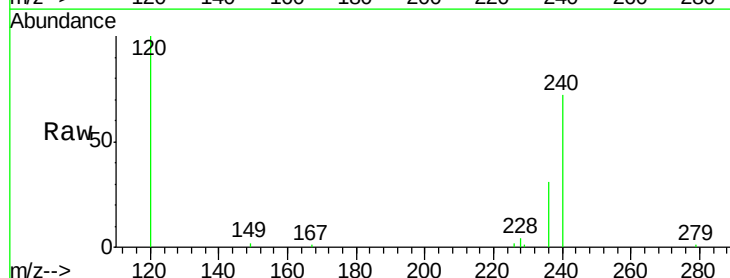
Instrument :
 BNA_M
 ClientSampled :
 PB83924BL

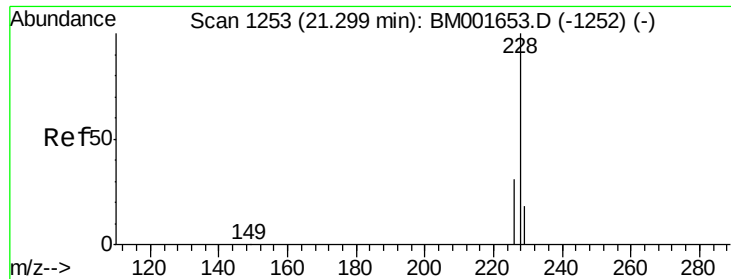
Tgt Ion: 244 Resp: 65808
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.7 11.5
 122 7.2 6.9 10.3



#28
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001666.D
 Acq: 12 Jun 2015 07:51

Tgt Ion: 228 Resp: 941
 Ion Ratio Lower Upper
 228 100
 226 47.7 20.2 30.4#
 229 35.3 15.7 23.5#





#29

Chrysene

Concen: 0.05 ng

RT: 21.25 min Scan# 1250

Delta R.T. -0.05 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

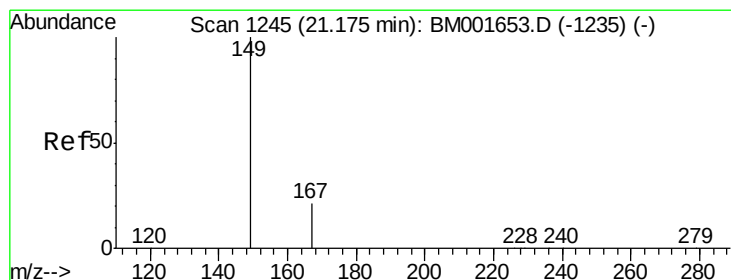
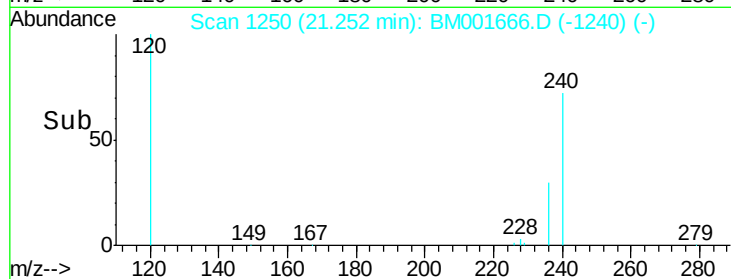
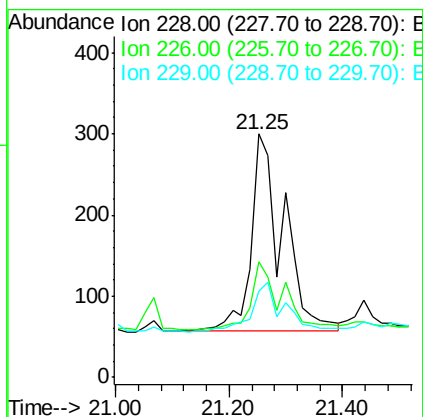
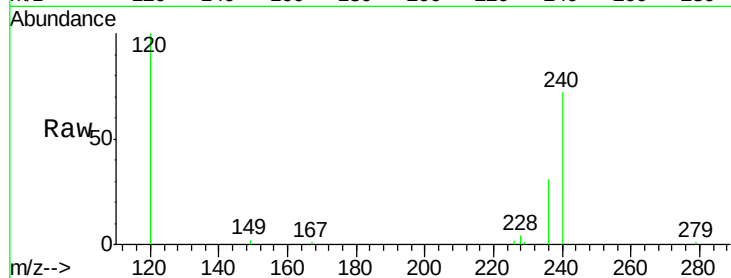
Tgt Ion:228 Resp: 941

Ion Ratio Lower Upper

228 100

226 47.7 25.8 38.8#

229 35.3 14.1 21.1#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

RT: 21.18 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

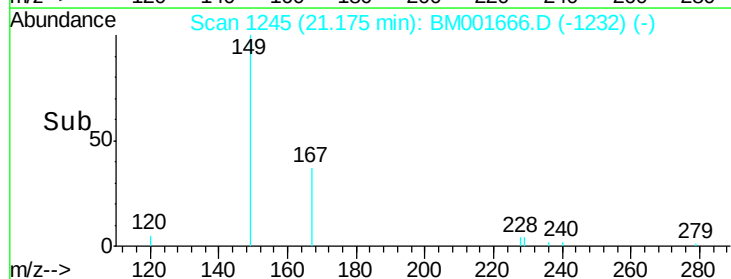
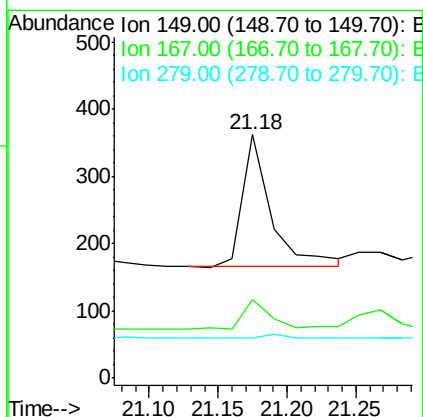
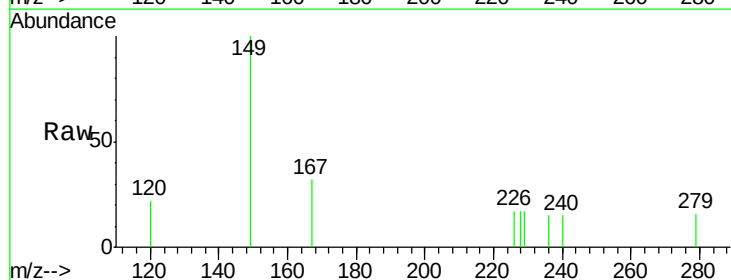
Tgt Ion:149 Resp: 284

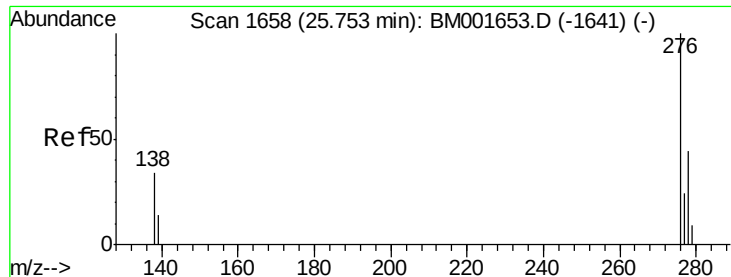
Ion Ratio Lower Upper

149 100

167 21.1 20.2 30.2

279 2.5 1.7 2.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 25.75 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

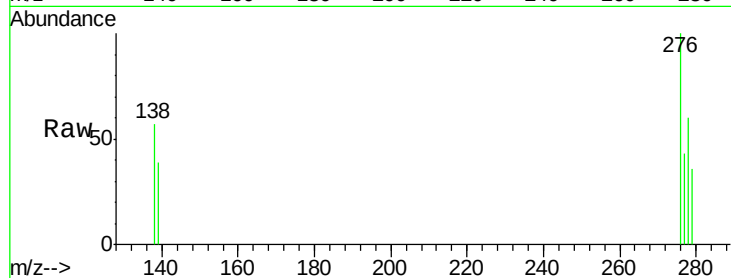
Tgt Ion:276 Resp: 740

Ion Ratio Lower Upper

276 100

138 34.6 28.8 43.2

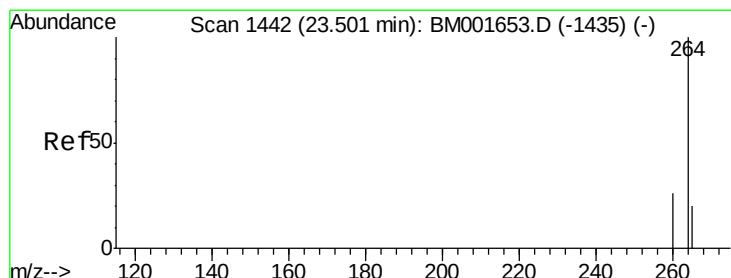
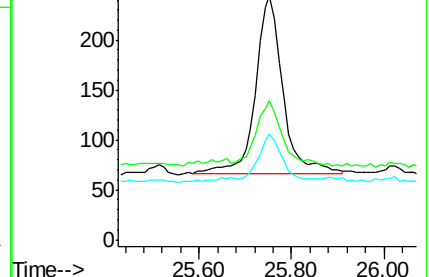
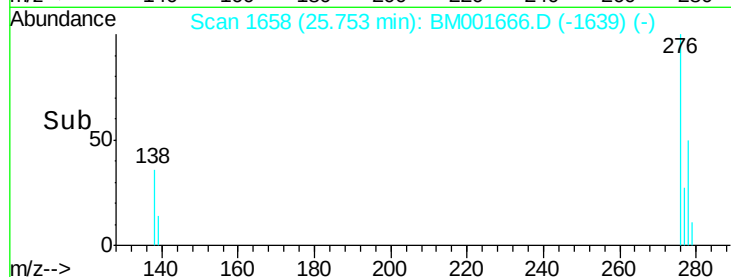
277 20.4 19.6 29.4



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: 23.50 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

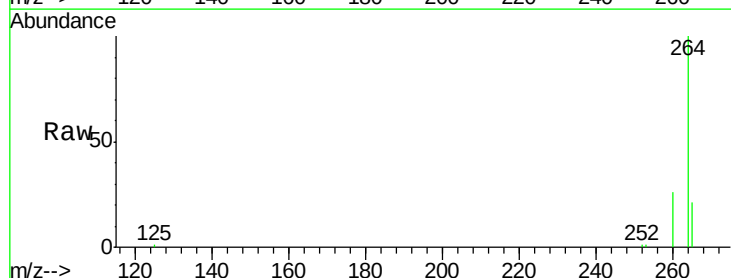
Tgt Ion:264 Resp: 57141

Ion Ratio Lower Upper

264 100

260 26.0 20.8 31.2

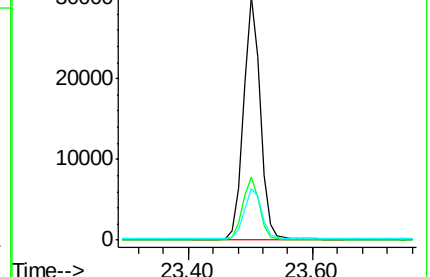
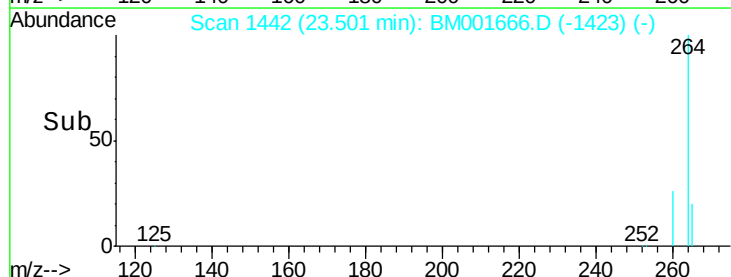
265 21.1 16.9 25.3

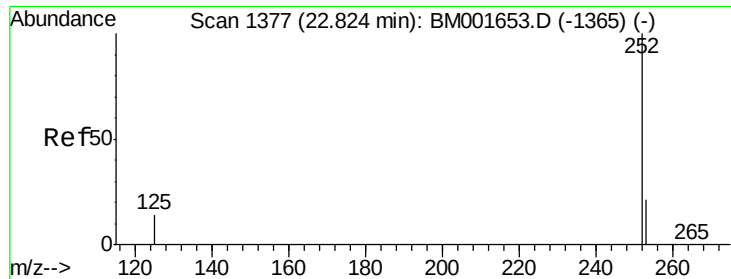


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.82 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampleId :

PB83924BL

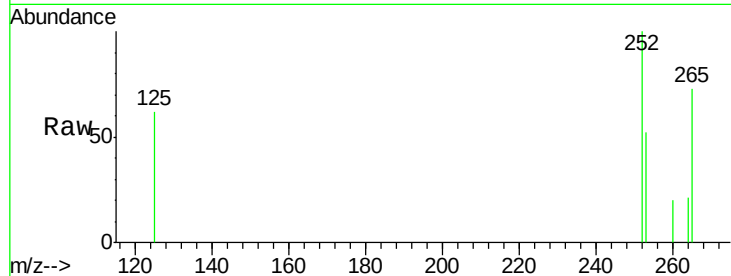
Tgt Ion:252 Resp: 579

Ion Ratio Lower Upper

252 100

253 52.3 17.4 26.2#

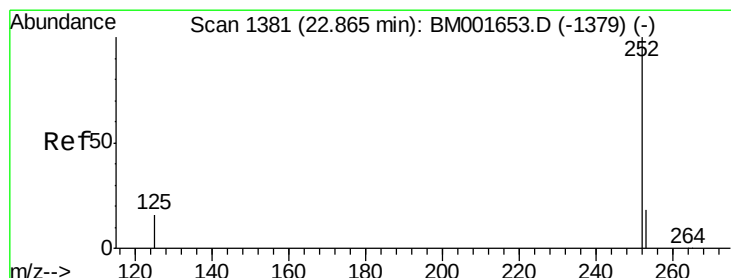
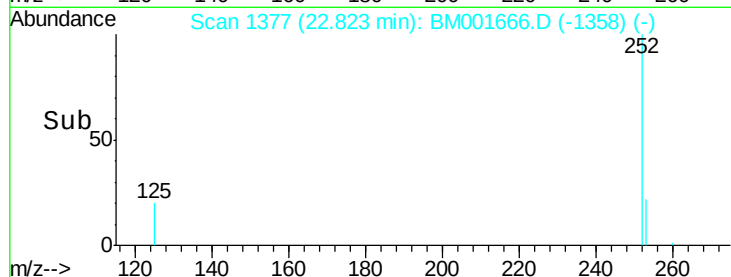
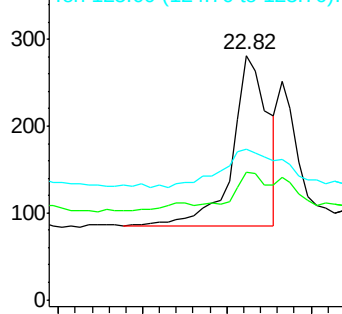
125 61.6 12.0 18.0#



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: 0.03 ng

RT: 22.82 min Scan# 1377

Delta R.T. -0.04 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

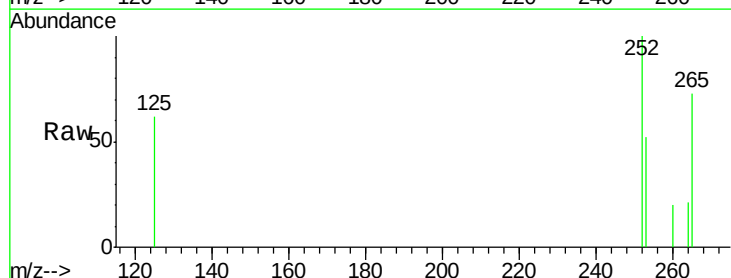
Tgt Ion:252 Resp: 569

Ion Ratio Lower Upper

252 100

253 52.3 17.0 25.6#

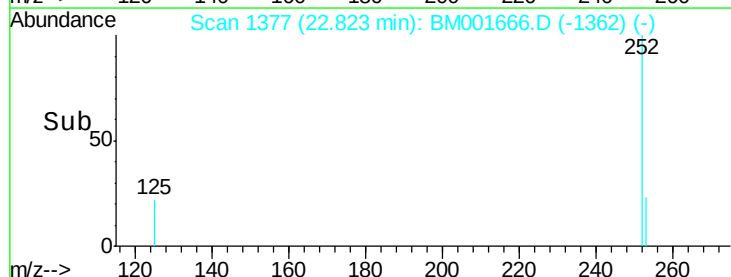
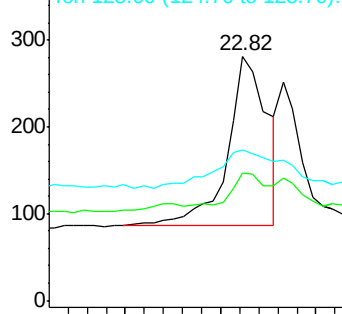
125 61.6 12.5 18.7#

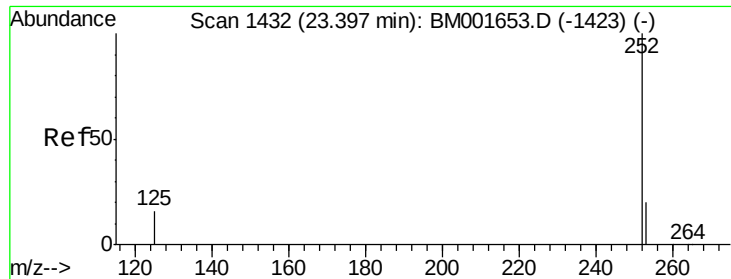


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.40 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BM001666.D

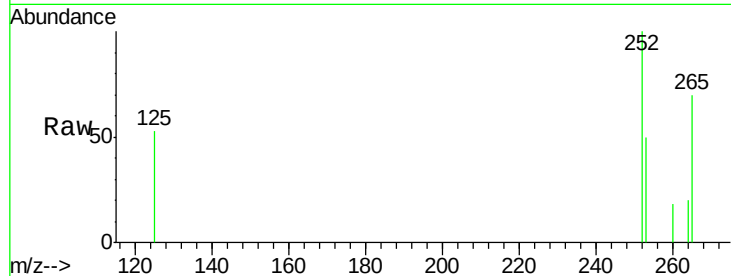
Acq: 12 Jun 2015 07:51

Instrument :

BNA_M

ClientSampled :

PB83924BL



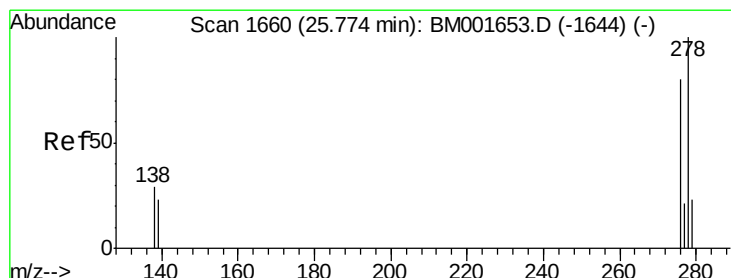
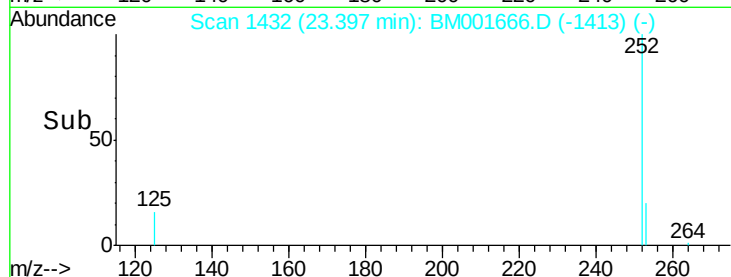
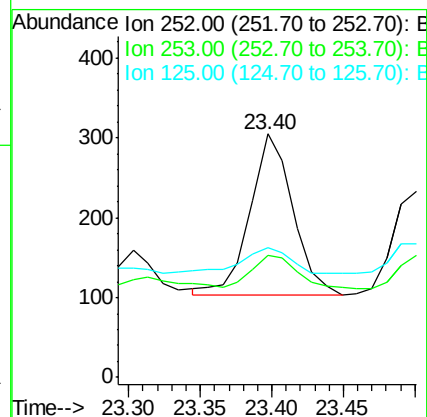
Tgt Ion: 252 Resp: 422

Ion Ratio Lower Upper

252 100

253 50.2 17.4 26.0#

125 53.4 14.0 21.0#



#36

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 25.77 min Scan# 1660

Delta R.T. -0.00 min

Lab File: BM001666.D

Acq: 12 Jun 2015 07:51

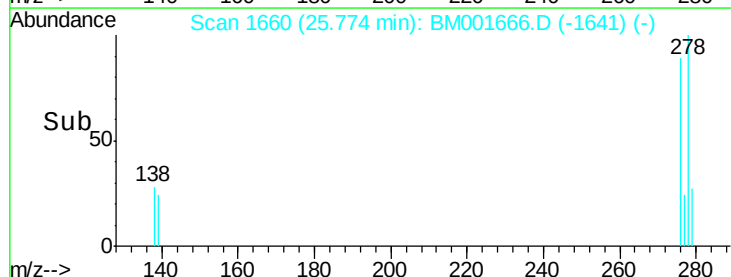
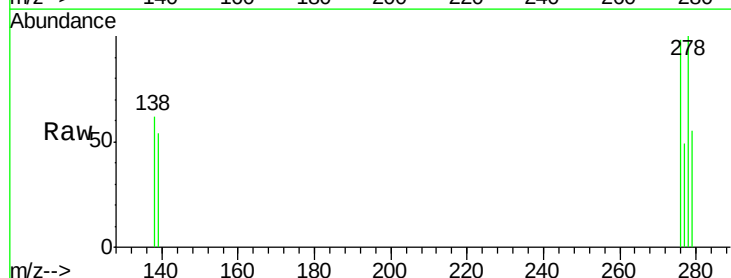
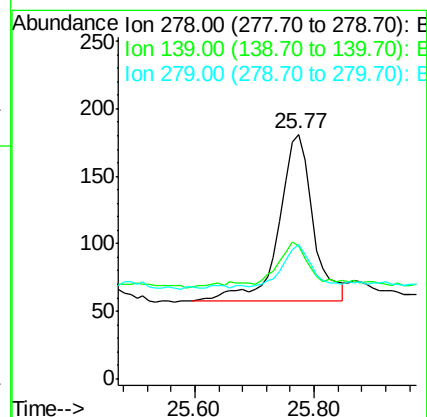
Tgt Ion: 278 Resp: 483

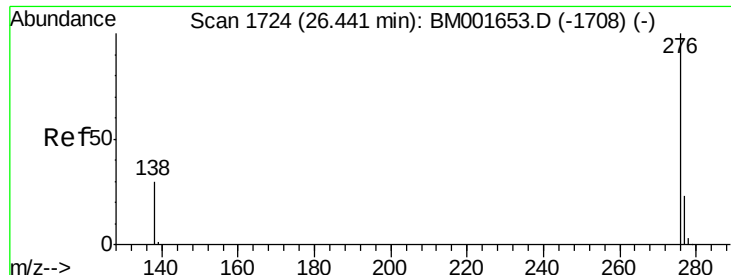
Ion Ratio Lower Upper

278 100

139 54.1 19.1 28.7#

279 54.7 19.7 29.5#





#37
 Benzo(g,h,i)perylene
 Concen: 0.07 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BM001666.D
 Acq: 12 Jun 2015 07:51

Instrument :
 BNA_M
 ClientSampleId :
 PB83924BL

Tgt Ion: 276 Resp: 636
 Ion Ratio Lower Upper
 276 100
 277 43.0 19.3 28.9#
 138 54.7 25.0 37.4#

