

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001661.D
 Acq On : 12 Jun 2015 04:50
 Operator : TP/IZ
 Sample : PB83950BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83950BL

Quant Time: Jun 12 07:34:07 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 03:22:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	19657	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	73037	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	36830	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	43878	5.00	ng	0.00
25) Chrysene-d12	21.27	240	56005	5.00	ng	0.00
32) Perylene-d12	23.50	264	42962	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	53462	11.49	ng	0.00
5) Phenol-d6	6.84	99	68612	11.73	ng	0.00
7) Nitrobenzene-d5	8.85	82	40544	7.25	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	18175	13.55	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	93569	7.28	ng	0.00
27) Terphenyl-d14	19.72	244	72036	8.53	ng	0.00

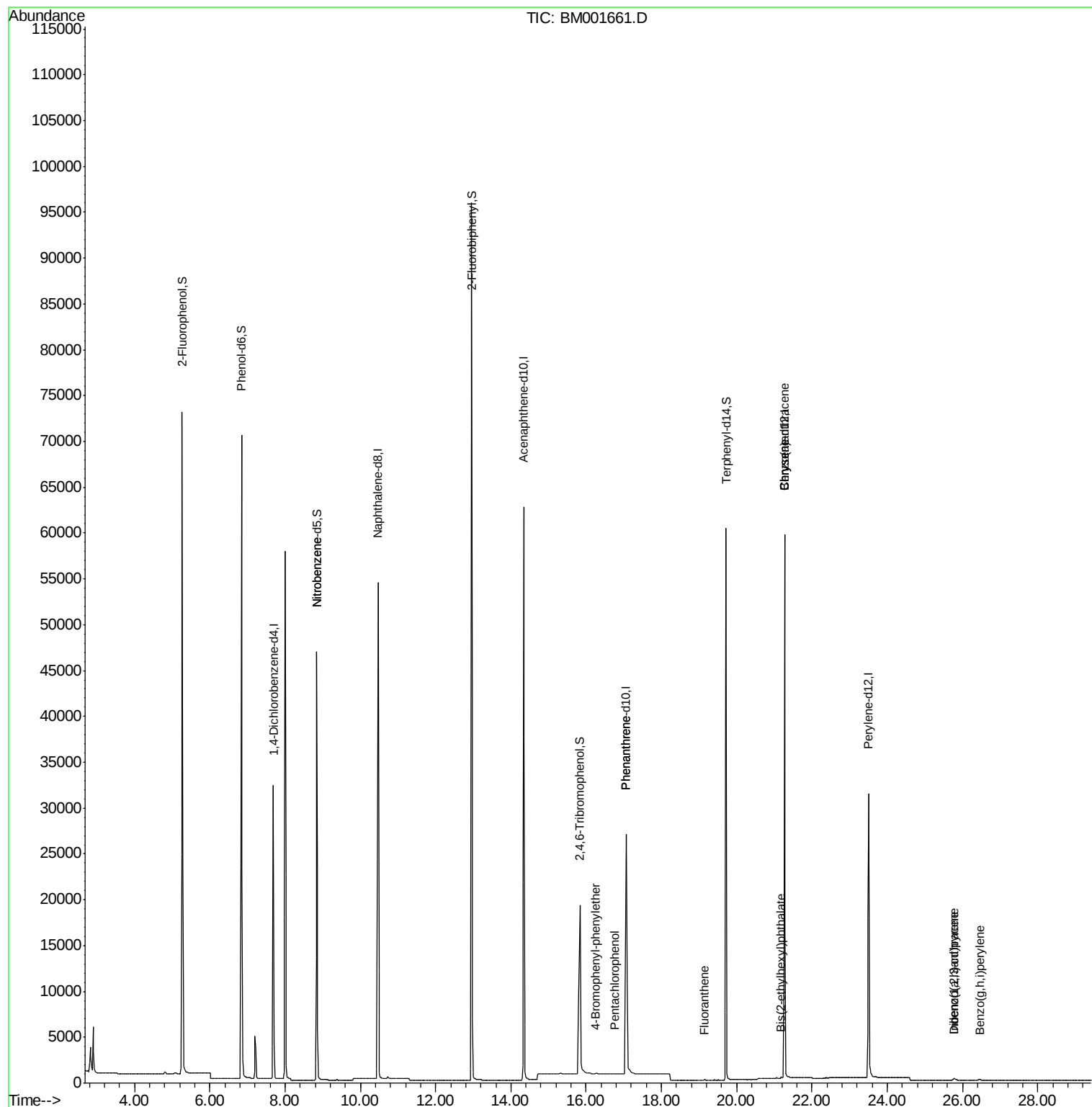
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.85	77	150	0.02	ng	# 37
17) Fluorene	15.36	166	8	Below Cal		# 86
19) 4-Bromophenyl-phenylether	16.24	248	4	0.08	ng	# 1
21) Pentachlorophenol	16.75	266	12	0.29	ng	# 65
22) Phenanthrene	17.06	178	55	0.02	ng	# 60
24) Fluoranthene	19.14	202	36	0.04	ng	# 70
28) Benzo(a)anthracene	21.27	228	358	0.02	ng	# 72
29) Chrysene	21.27	228	363	0.02	ng	# 76
30) Bis(2-ethylhexyl)phthalate	21.18	149	252	0.24	ng	# 90
31) Indeno(1,2,3-cd)pyrene	25.77	276	313	0.02	ng	# 98
36) Dibenzo(a,h)anthracene	25.78	278	315	0.03	ng	# 22
37) Benzo(g,h,i)perylene	26.45	276	248	0.05	ng	# 32

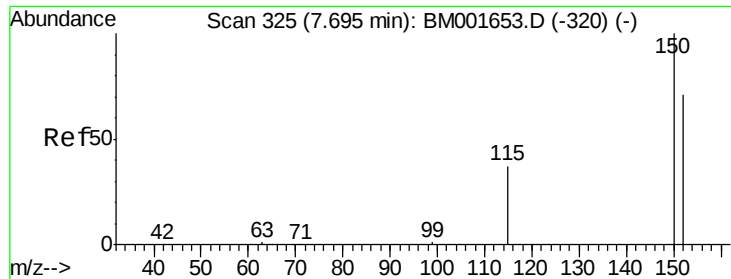
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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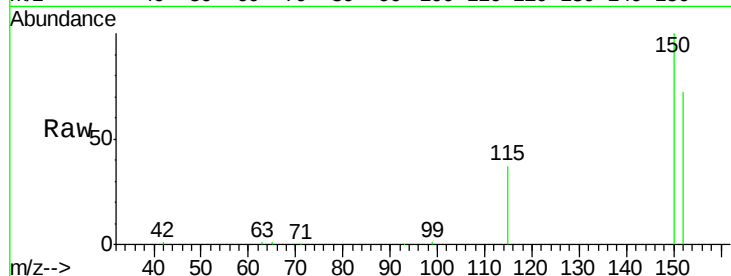


#1

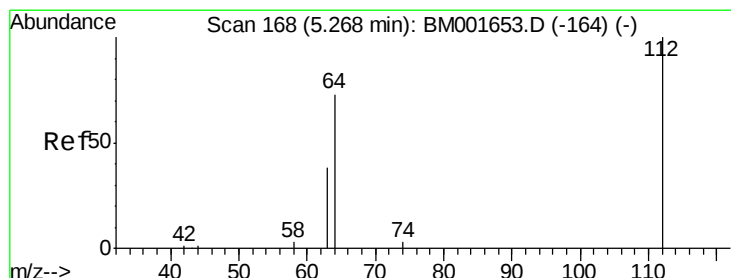
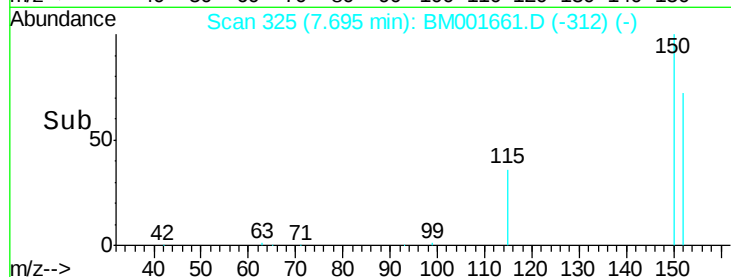
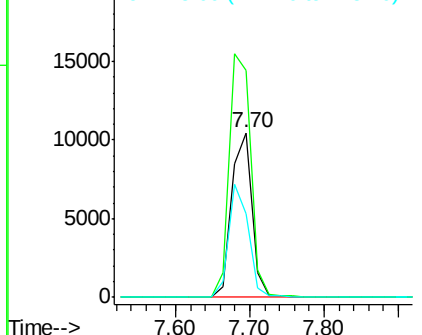
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

Instrument :
BNA_M
ClientSampleId :
PB83950BL

Tgt Ion:152 Resp: 19657
Ion Ratio Lower Upper
152 100
150 138.4 112.2 168.2
115 50.7 41.7 62.5



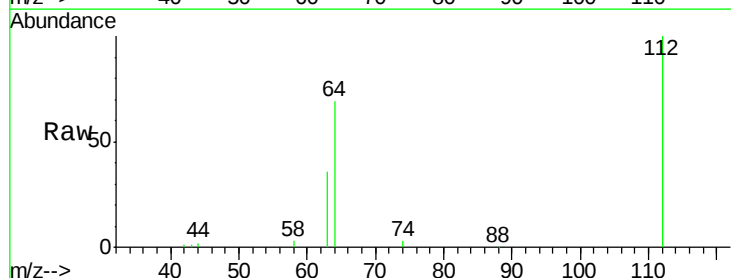
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



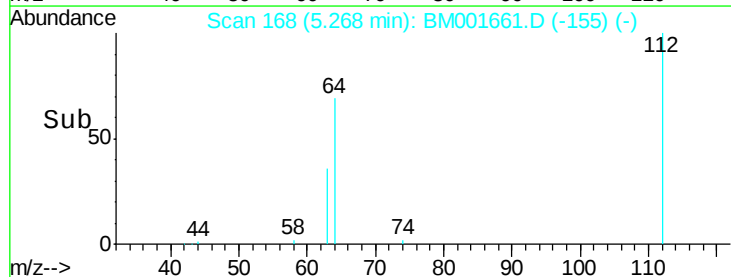
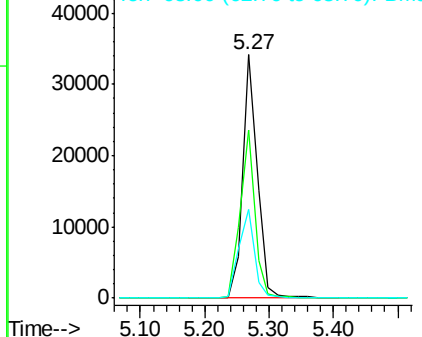
#4

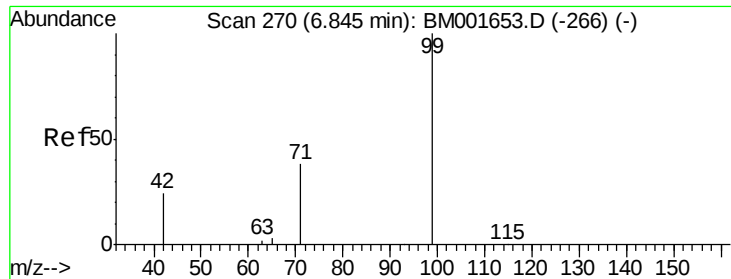
2-Fluorophenol
Concen: 11.49 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

Tgt Ion:112 Resp: 53462
Ion Ratio Lower Upper
112 100
64 69.5 55.5 83.3
63 38.6 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: 11.73 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

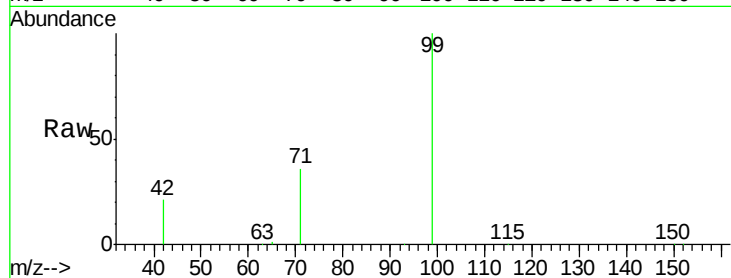
Tgt Ion: 99 Resp: 68612

Ion Ratio Lower Upper

99 100

42 26.2 21.6 32.4

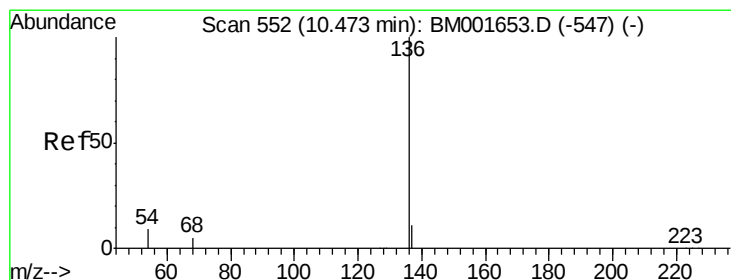
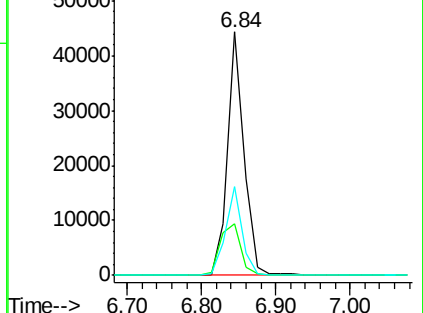
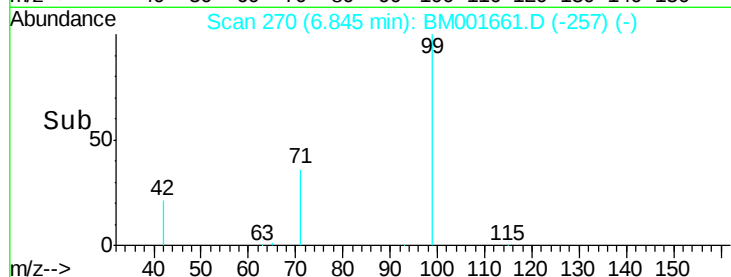
71 36.3 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BM001661.D (-257) (-)

Ion 42.00 (41.70 to 42.70): BM001661.D (-257) (-)

Ion 71.00 (70.70 to 71.70): BM001661.D (-257) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Tgt Ion: 136 Resp: 73037

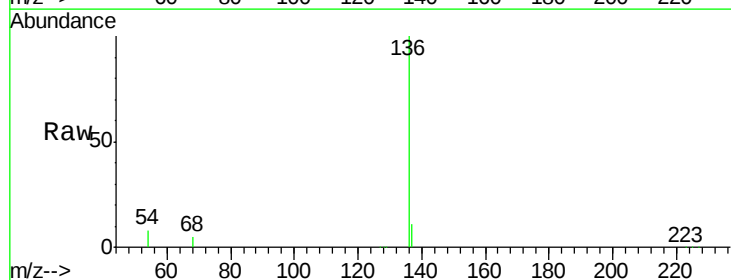
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.0 6.9 10.3

68 5.1 4.4 6.6

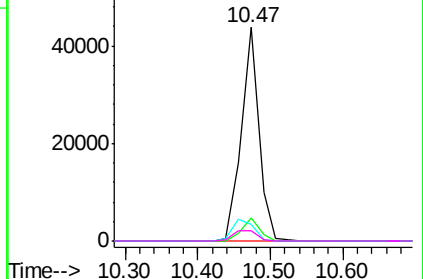
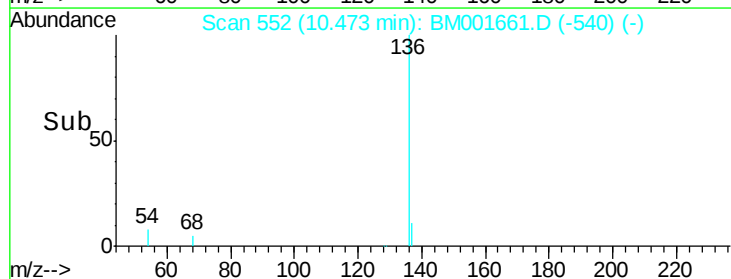


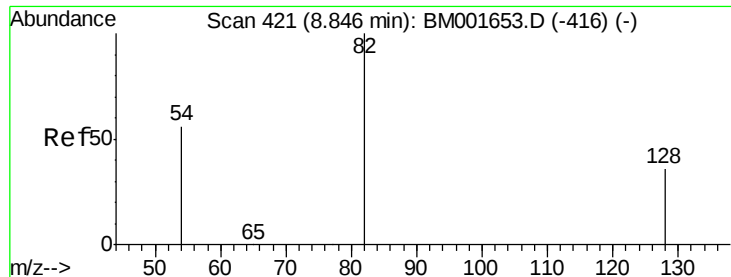
Abundance Ion 136.00 (135.70 to 136.70): BM001661.D (-540) (-)

Ion 137.00 (136.70 to 137.70): BM001661.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BM001661.D (-540) (-)

Ion 68.00 (67.70 to 68.70): BM001661.D (-540) (-)





#7

Nitrobenzene-d5

Concen: 7.25 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

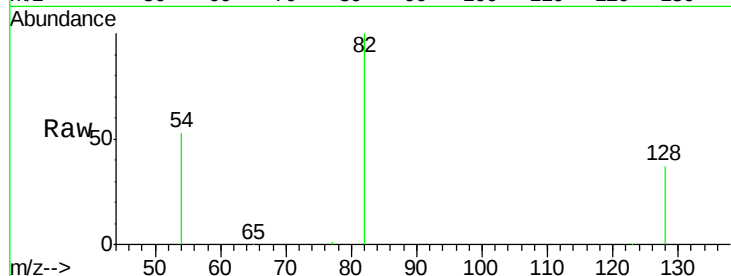
Tgt Ion: 82 Resp: 40544

Ion Ratio Lower Upper

82 100

128 36.9 29.7 44.5

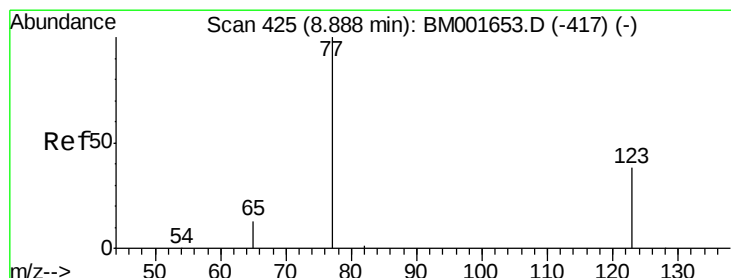
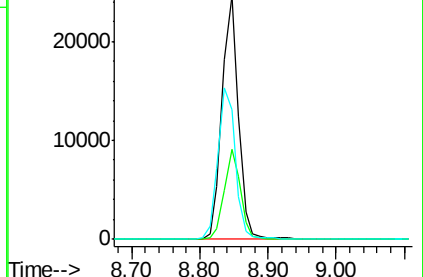
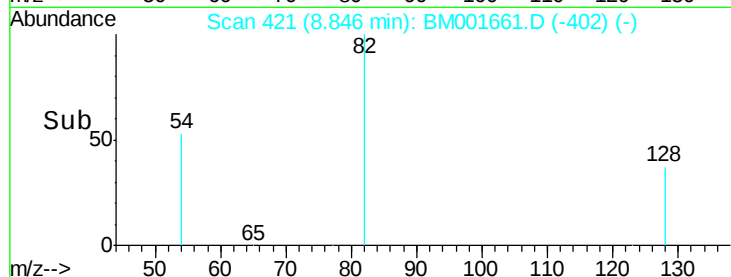
54 53.1 45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BM001661.D (-402) (-)

Ion 128.00 (127.70 to 128.70): BM001661.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM001661.D (-402) (-)



#8

Nitrobenzene

Concen: 0.02 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.04 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

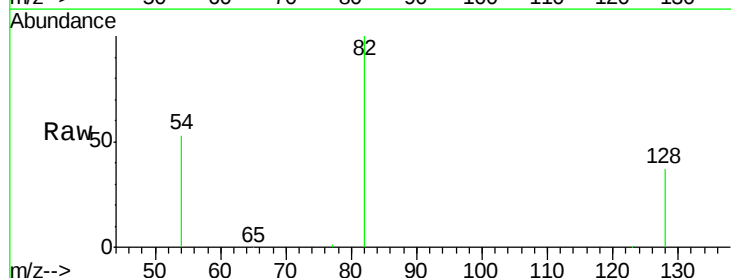
Tgt Ion: 77 Resp: 150

Ion Ratio Lower Upper

77 100

123 2.7 30.3 45.5#

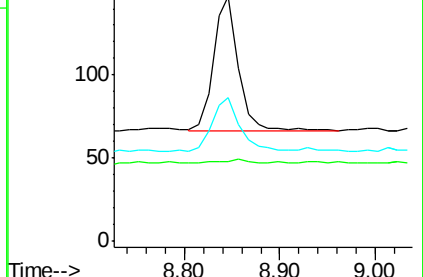
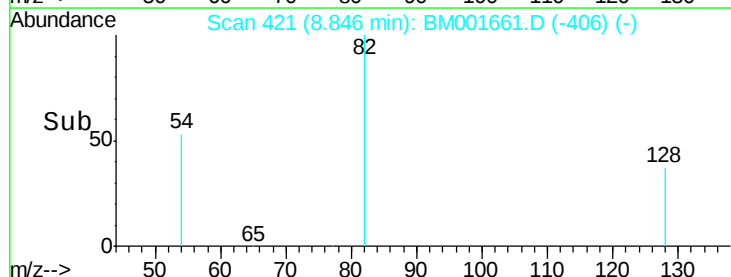
65 44.0 11.2 16.8#

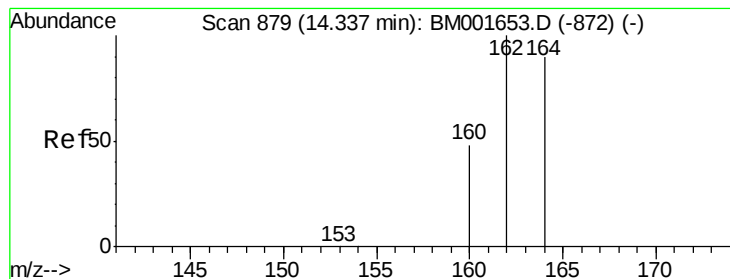


Abundance Ion 77.00 (76.70 to 77.70): BM001661.D (-406) (-)

Ion 123.00 (122.70 to 123.70): BM001661.D (-406) (-)

Ion 65.00 (64.70 to 65.70): BM001661.D (-406) (-)





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.34 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

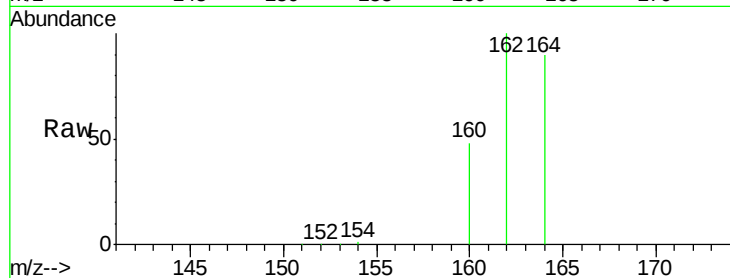
Tgt Ion:164 Resp: 36830

Ion Ratio Lower Upper

164 100

162 110.6 89.0 133.4

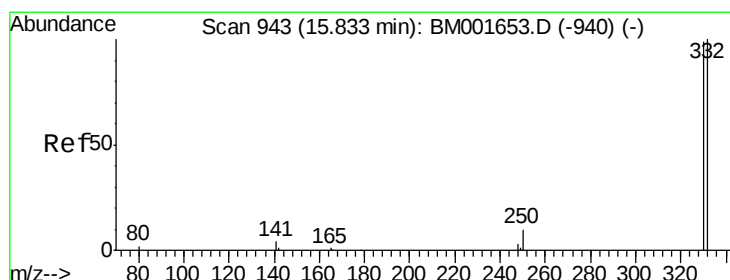
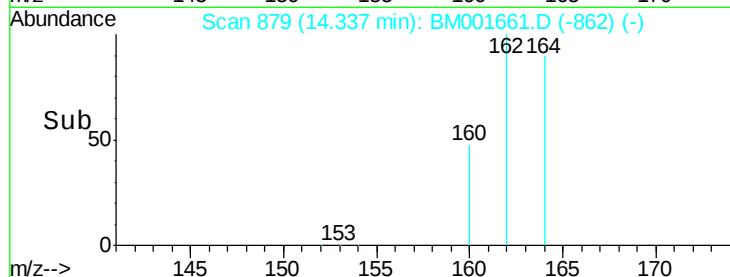
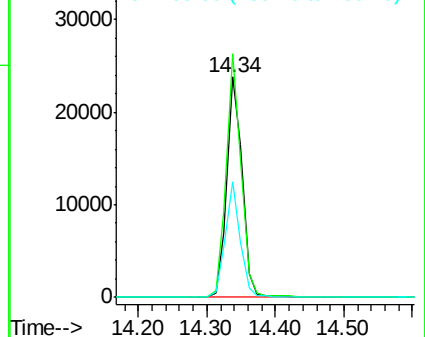
160 52.6 42.6 63.8



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: 13.55 ng

RT: 15.83 min Scan# 943

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

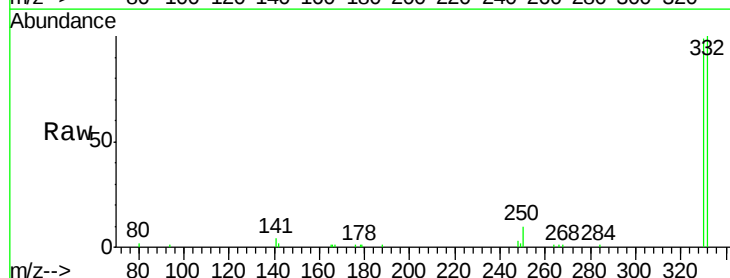
Tgt Ion:330 Resp: 18175

Ion Ratio Lower Upper

330 100

332 100.9 80.6 120.8

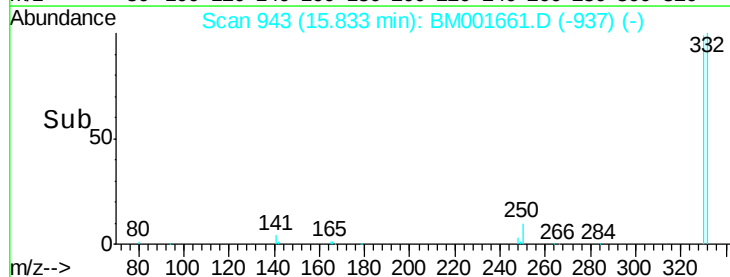
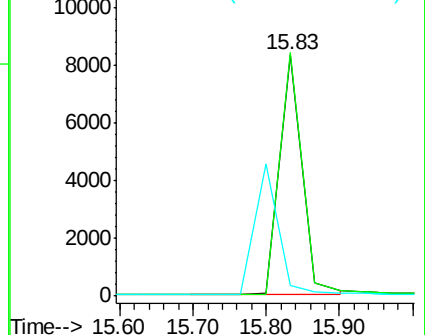
141 0.0 0.0 0.0

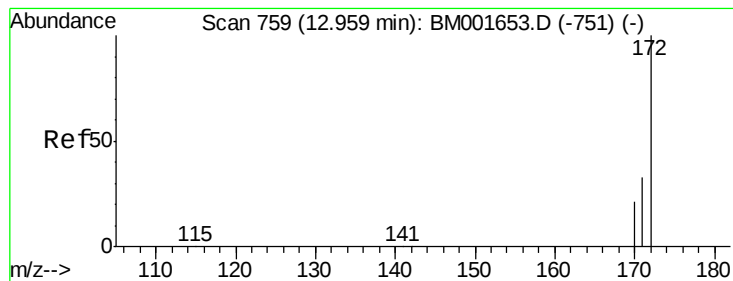


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 7.28 ng

RT: 12.96 min Scan# 759

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

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PB83950BL

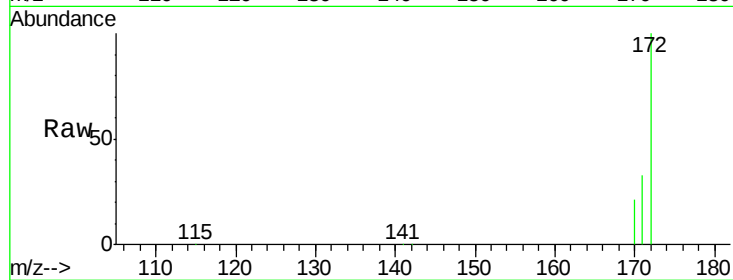
Tgt Ion:172 Resp: 93569

Ion Ratio Lower Upper

172 100

171 32.6 26.6 40.0

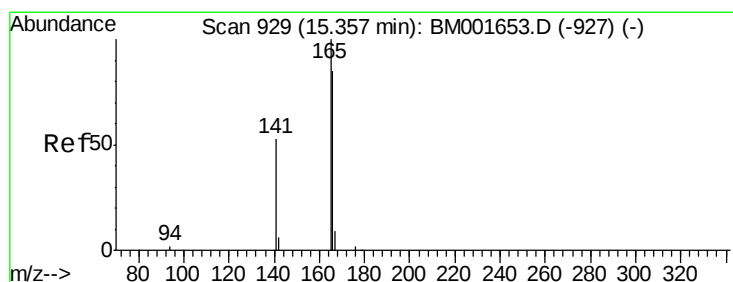
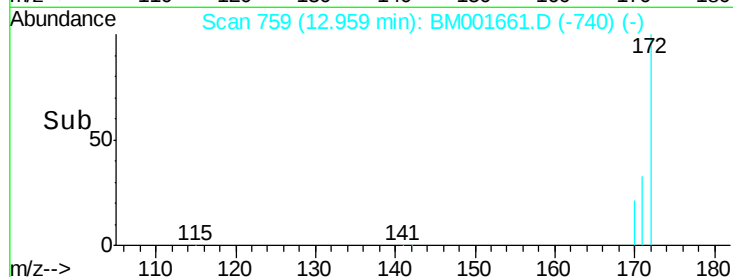
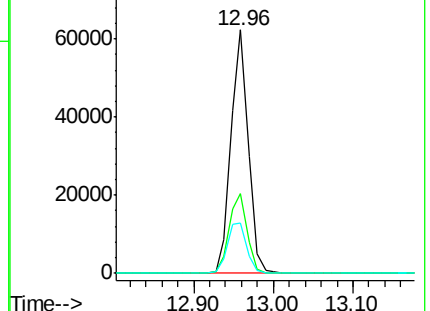
170 20.8 17.1 25.7



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



#17

Fluorene

Concen: Below Cal

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

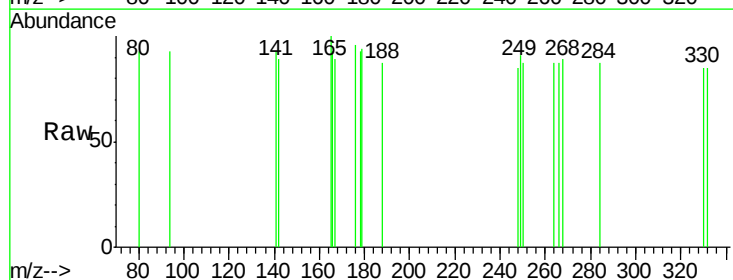
Tgt Ion:166 Resp: 8

Ion Ratio Lower Upper

166 100

165 100.0 90.7 136.1

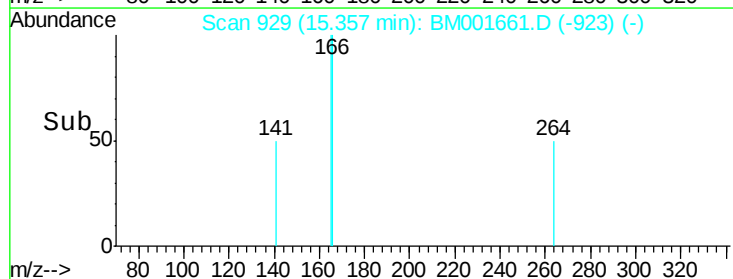
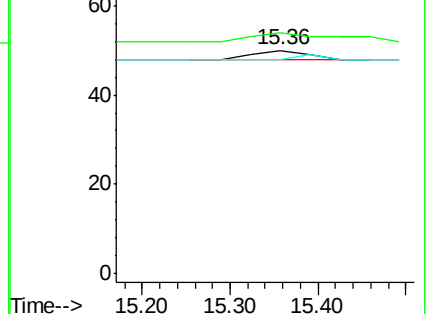
167 0.0 9.4 14.0#

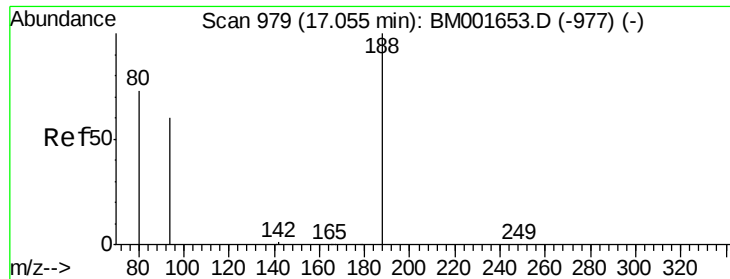


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

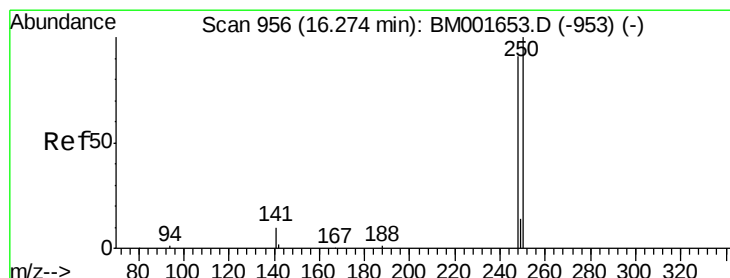
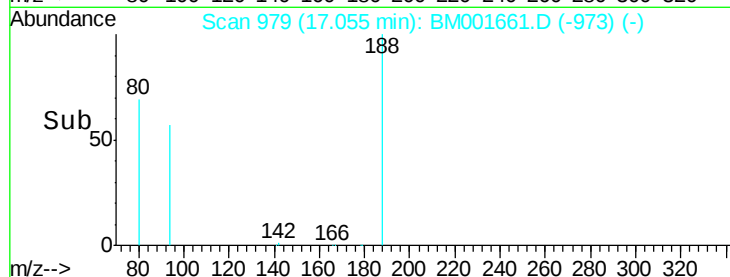
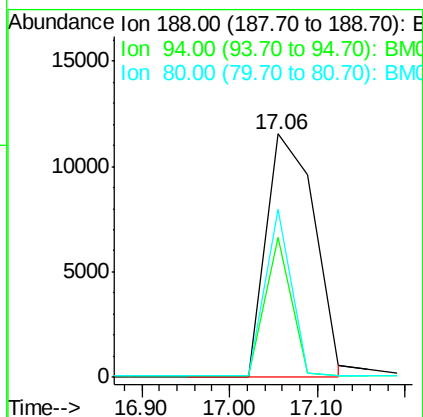
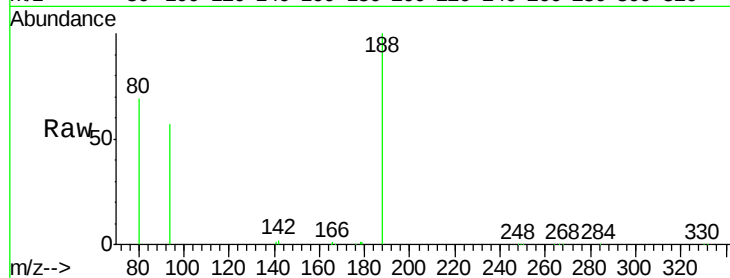




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

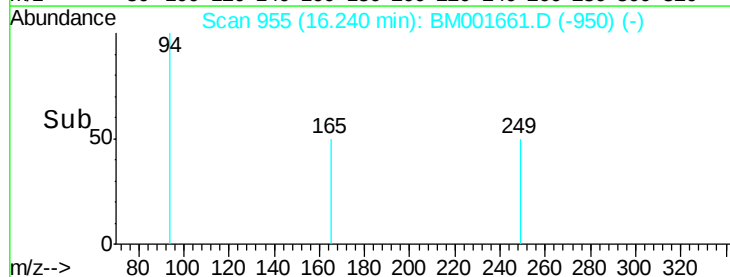
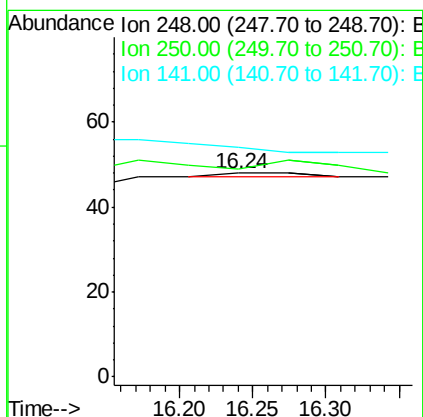
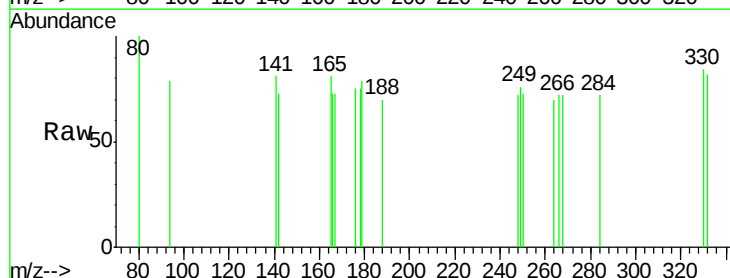
Instrument :
BNA_M
ClientSampleId :
PB83950BL

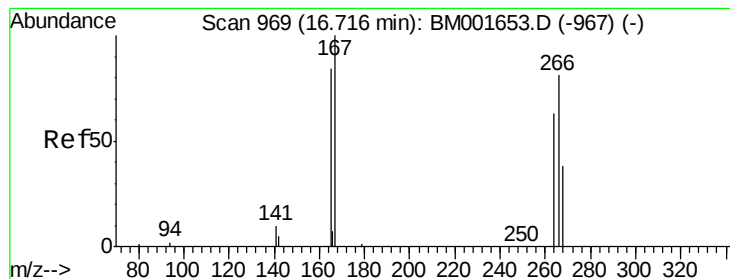
Tgt Ion:188 Resp: 43878
Ion Ratio Lower Upper
188 100
94 57.4 48.3 72.5
80 68.9 58.6 88.0



#19
4-Bromophenyl-phenylether
Concen: 0.08 ng
RT: 16.24 min Scan# 955
Delta R.T. -0.03 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

Tgt Ion:248 Resp: 4
Ion Ratio Lower Upper
248 100
250 0.0 87.5 131.3#
141 0.0 0.0 0.0





#21

Pentachlorophenol

Concen: 0.29 ng

RT: 16.75 min Scan# 970

Delta R.T. 0.03 min

Lab File: BM001661.D

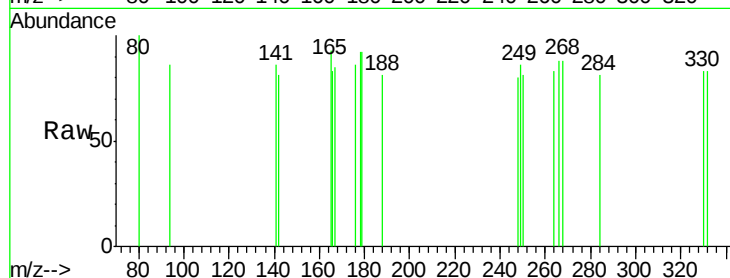
Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL



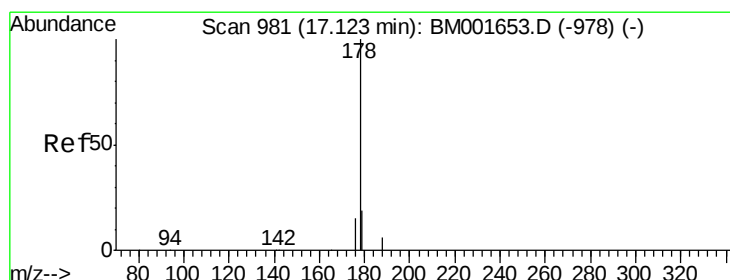
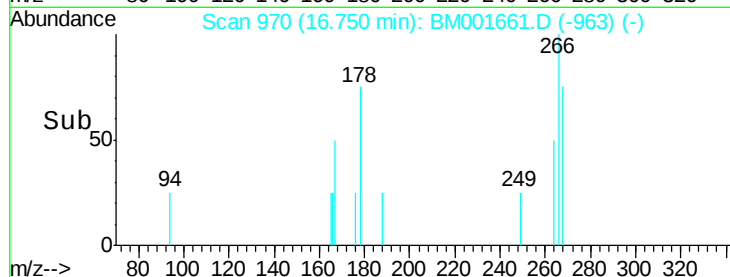
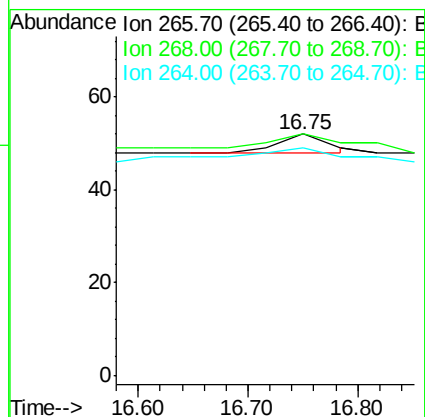
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

268 100.0 43.3 64.9#

264 94.2 64.5 96.7



#22

Phenanthrene

Concen: 0.02 ng

RT: 17.06 min Scan# 979

Delta R.T. -0.07 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

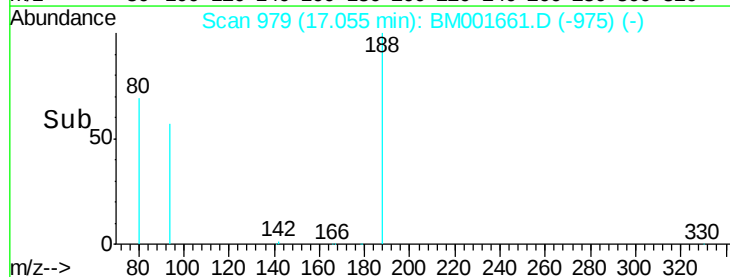
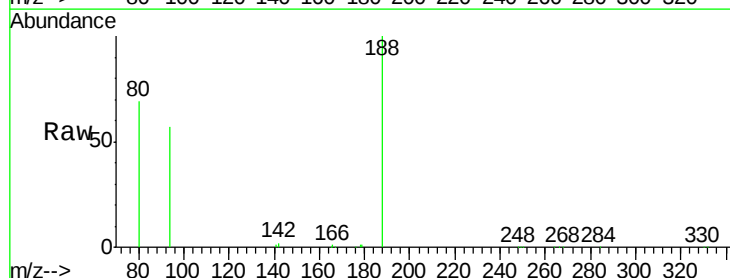
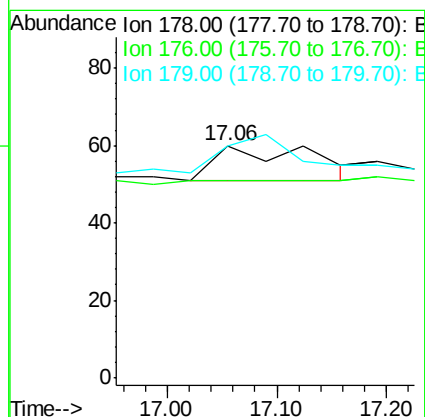
Tgt Ion:178 Resp: 55

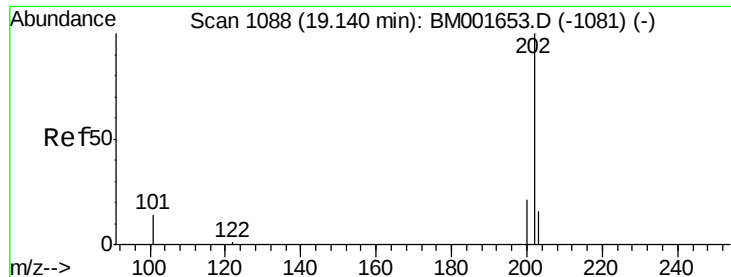
Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

179 0.0 14.2 21.2#





#24

Fluoranthene

Concen: 0.04 ng

RT: 19.14 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BM001661.D

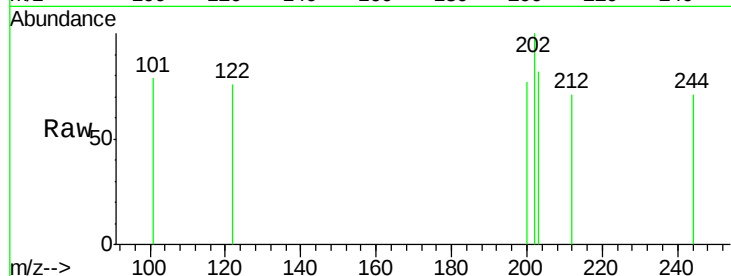
Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL



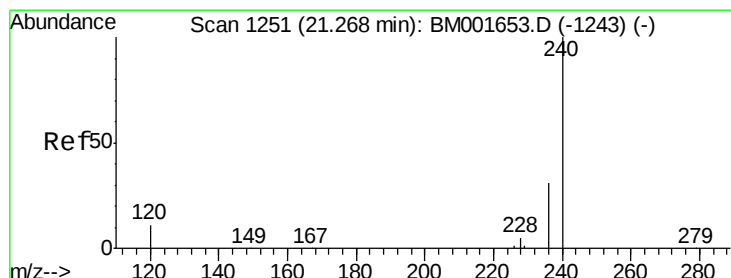
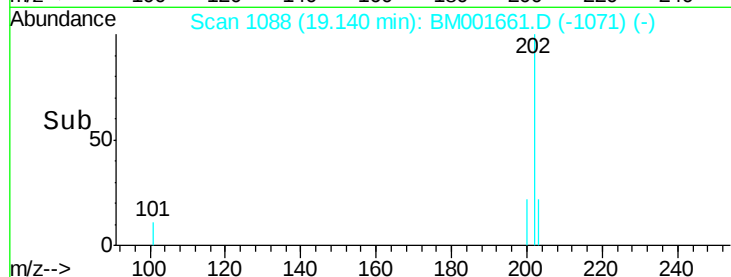
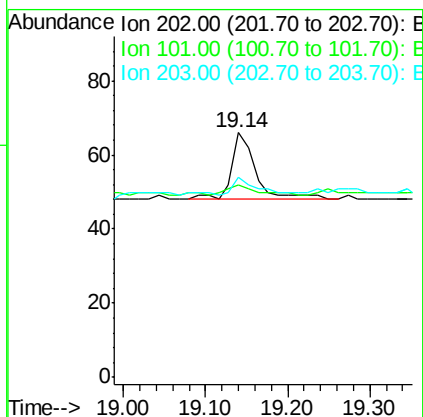
Tgt Ion:202 Resp: 36

Ion Ratio Lower Upper

202 100

101 25.0 10.8 16.2#

203 30.6 13.8 20.8#



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

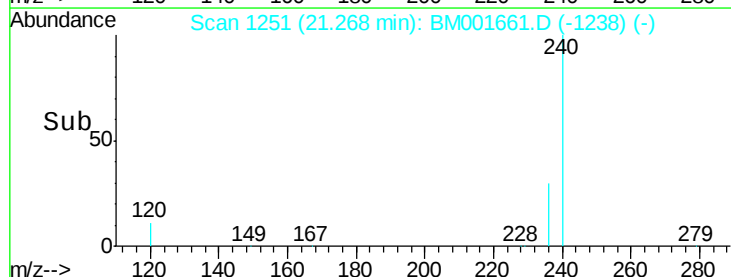
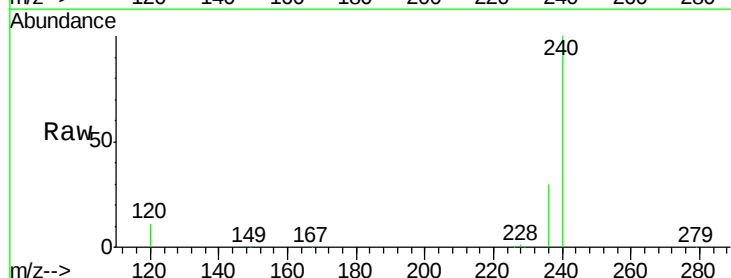
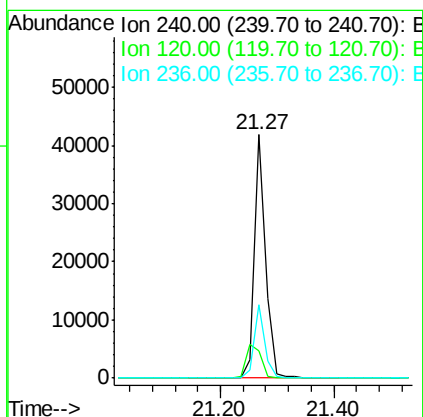
Tgt Ion:240 Resp: 56005

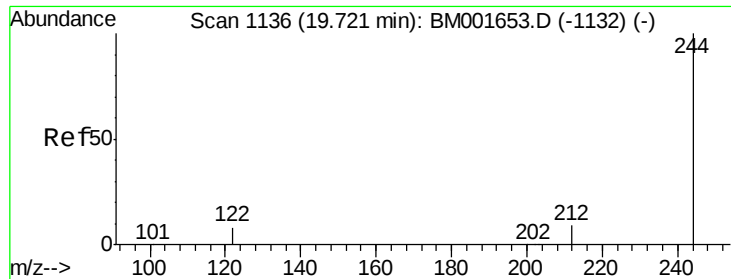
Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

236 30.0 24.6 36.8





#27

Terphenyl-d14

Concen: 8.53 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

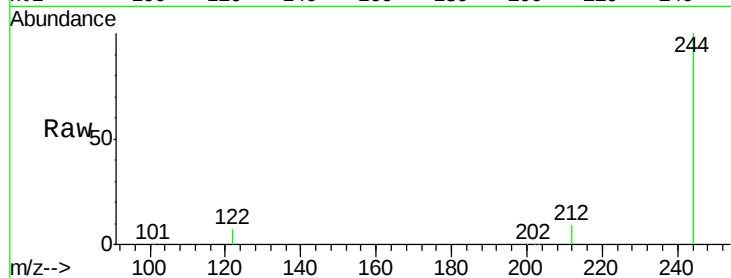
Tgt Ion:244 Resp: 72036

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

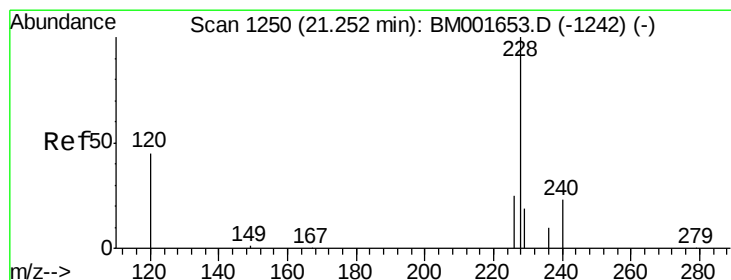
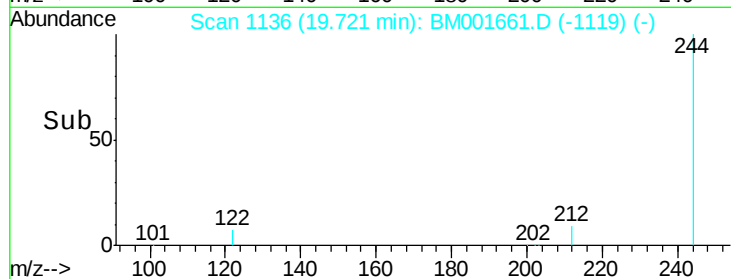
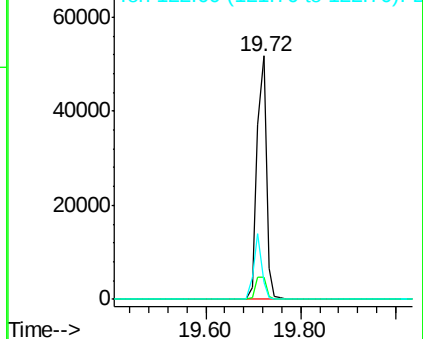
122 6.9 6.9 10.3



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



#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

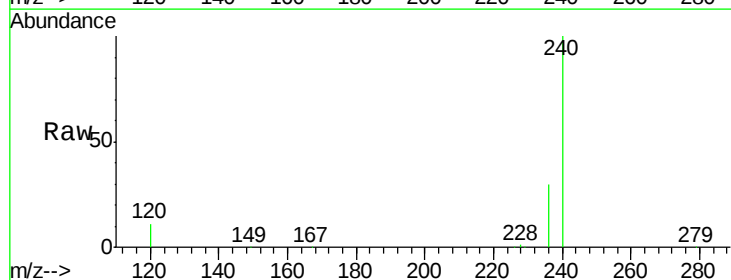
Tgt Ion:228 Resp: 358

Ion Ratio Lower Upper

228 100

226 29.9 20.2 30.4

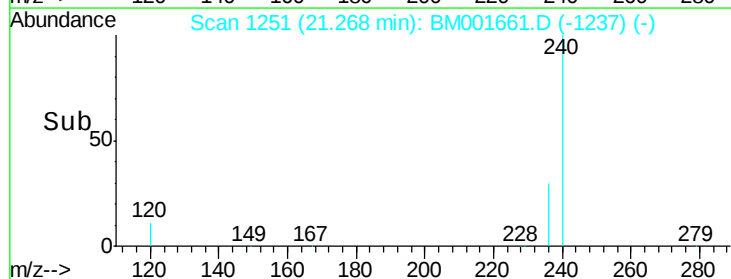
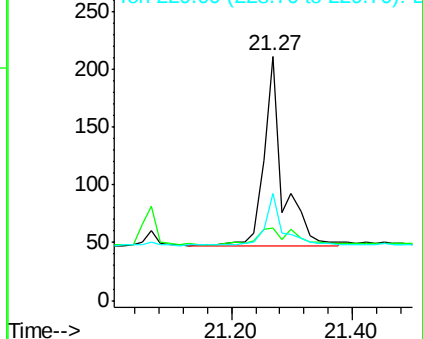
229 43.6 15.7 23.5#

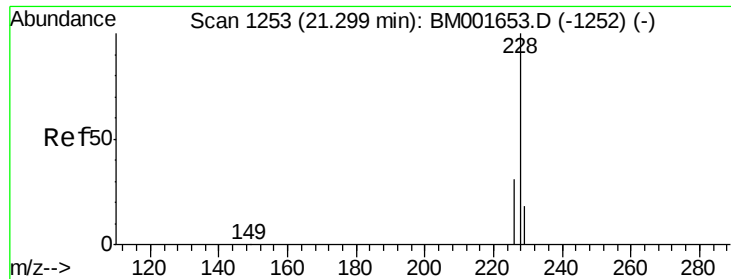


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.02 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

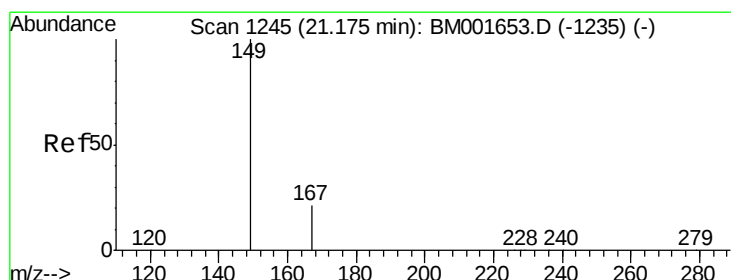
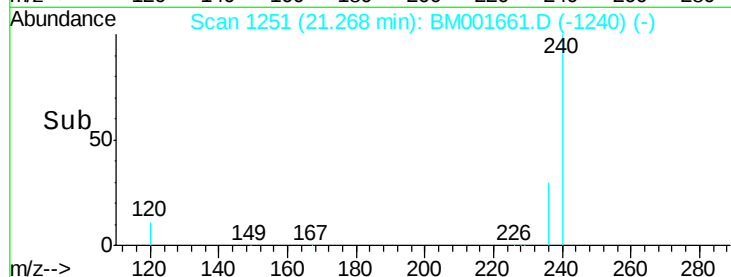
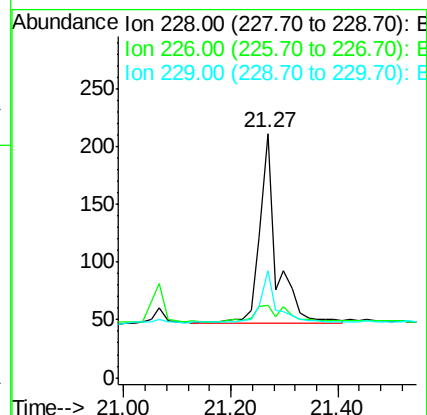
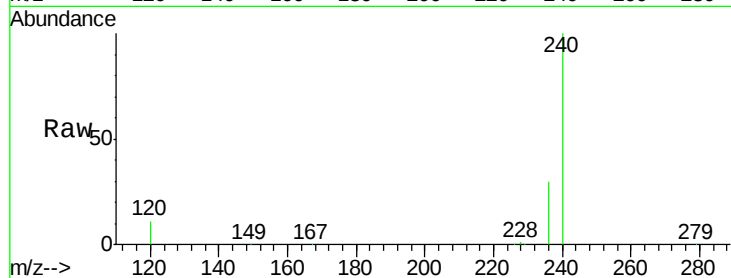
Tgt Ion:228 Resp: 363

Ion Ratio Lower Upper

228 100

226 29.9 25.8 38.8

229 43.6 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: BM001661.D

Acq: 12 Jun 2015 04:50

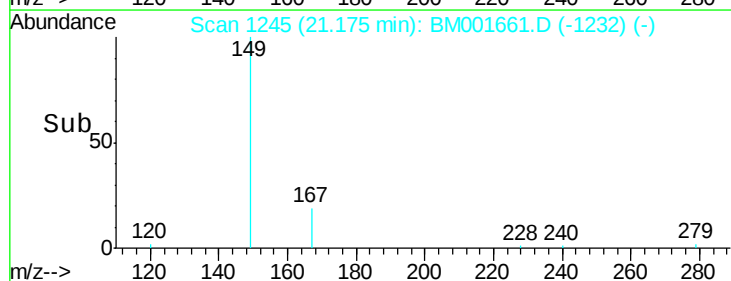
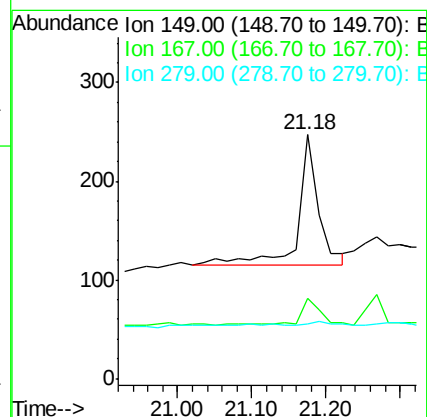
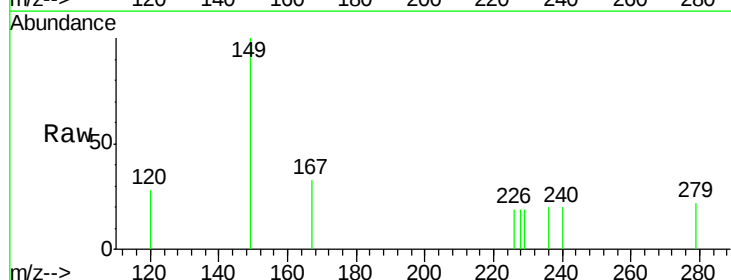
Tgt Ion:149 Resp: 252

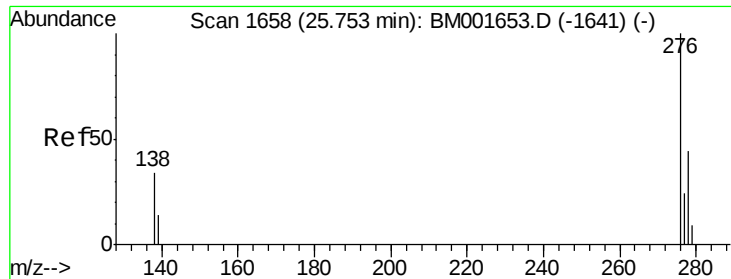
Ion Ratio Lower Upper

149 100

167 19.8 20.2 30.2#

279 2.4 1.7 2.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.02 min

Lab File: BM001661.D

Acq: 12 Jun 2015 04:50

Instrument :

BNA_M

ClientSampleId :

PB83950BL

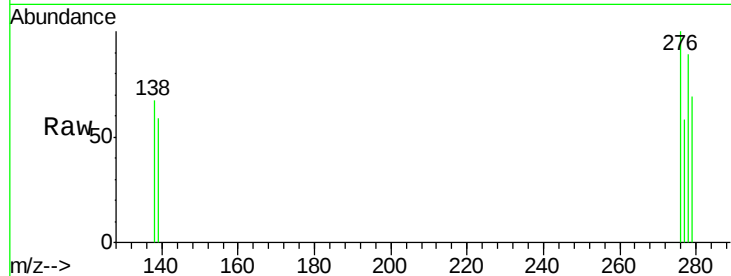
Tgt Ion:276 Resp: 313

Ion Ratio Lower Upper

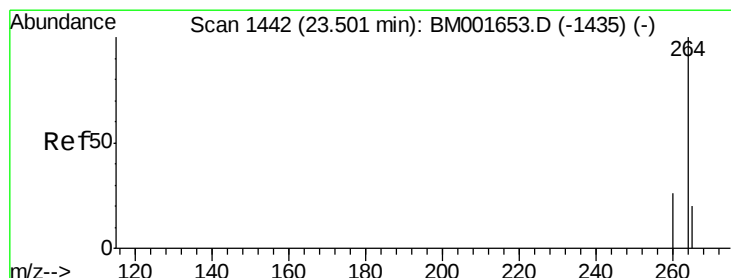
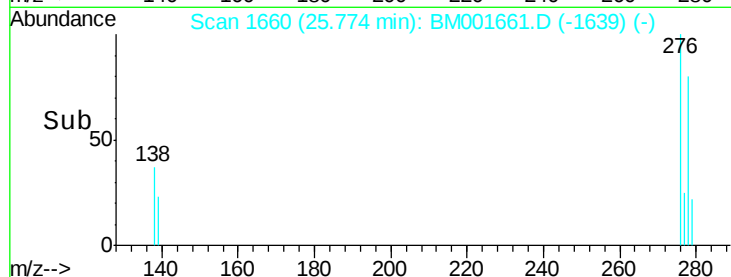
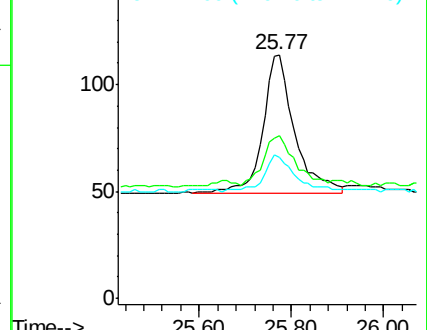
276 100

138 34.8 28.8 43.2

277 25.2 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: BM001661.D

Acq: 12 Jun 2015 04:50

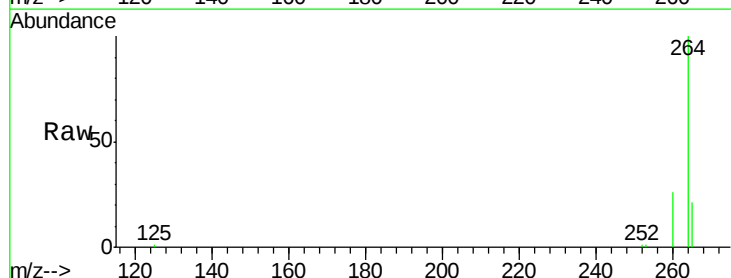
Tgt Ion:264 Resp: 42962

Ion Ratio Lower Upper

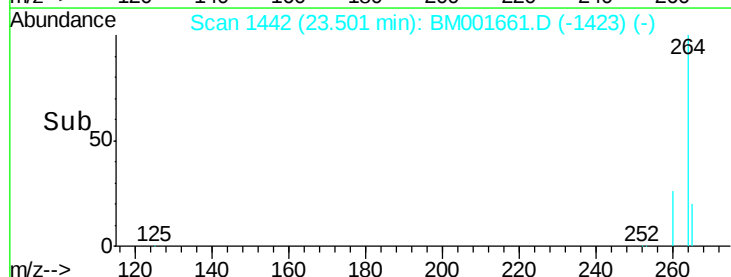
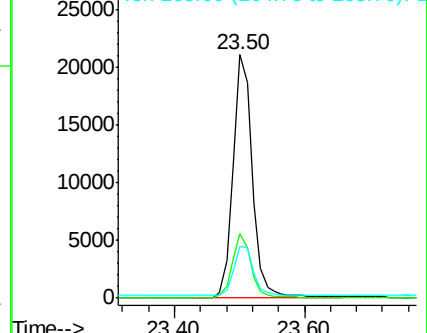
264 100

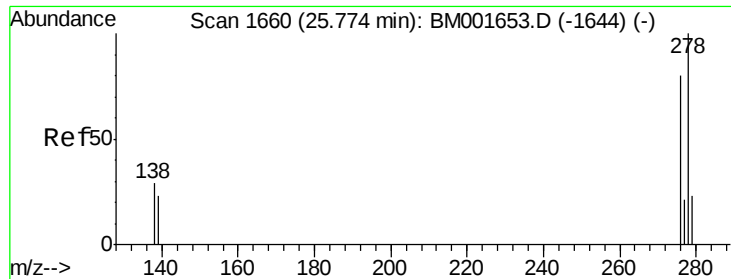
260 26.3 20.8 31.2

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



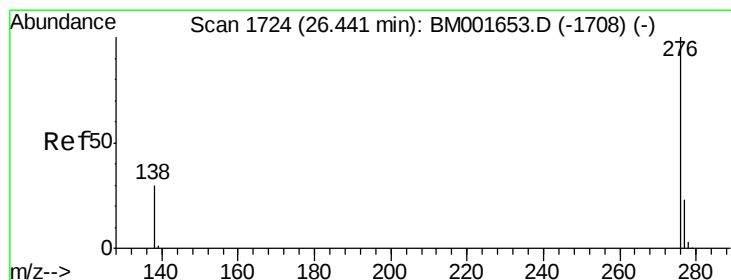
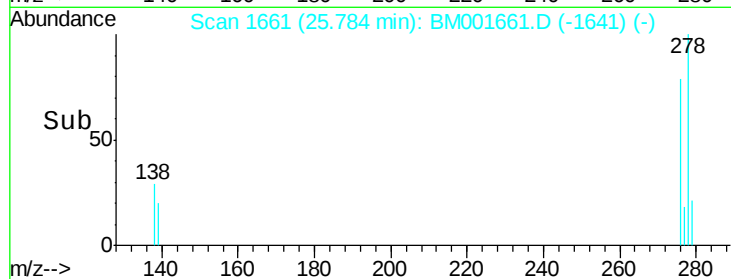
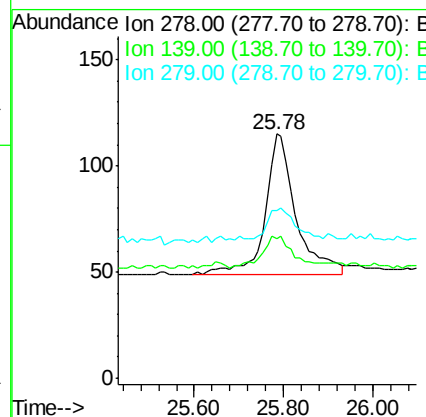
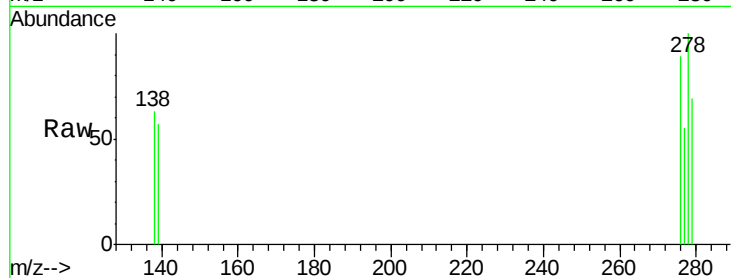


#36
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.78 min Scan# 1661
Delta R.T. 0.01 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

Instrument :
BNA_M
ClientSampleId :
PB83950BL

Tgt Ion: 278 Resp: 315

Ion	Ratio	Lower	Upper
278	100		
139	57.4	19.1	28.7#
279	68.7	19.7	29.5#



#37
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 26.45 min Scan# 1725
Delta R.T. 0.01 min
Lab File: BM001661.D
Acq: 12 Jun 2015 04:50

Tgt Ion: 276 Resp: 248

Ion	Ratio	Lower	Upper
276	100		
277	61.5	19.3	28.9#
138	65.4	25.0	37.4#

