

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000912.D
 Acq On : 08 Apr 2015 16:50
 Operator : TP/IZ
 Sample : PB82543BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82543BS

Quant Time: Apr 09 03:47:42 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 03:29:56 2015
 Response via : Initial Calibration

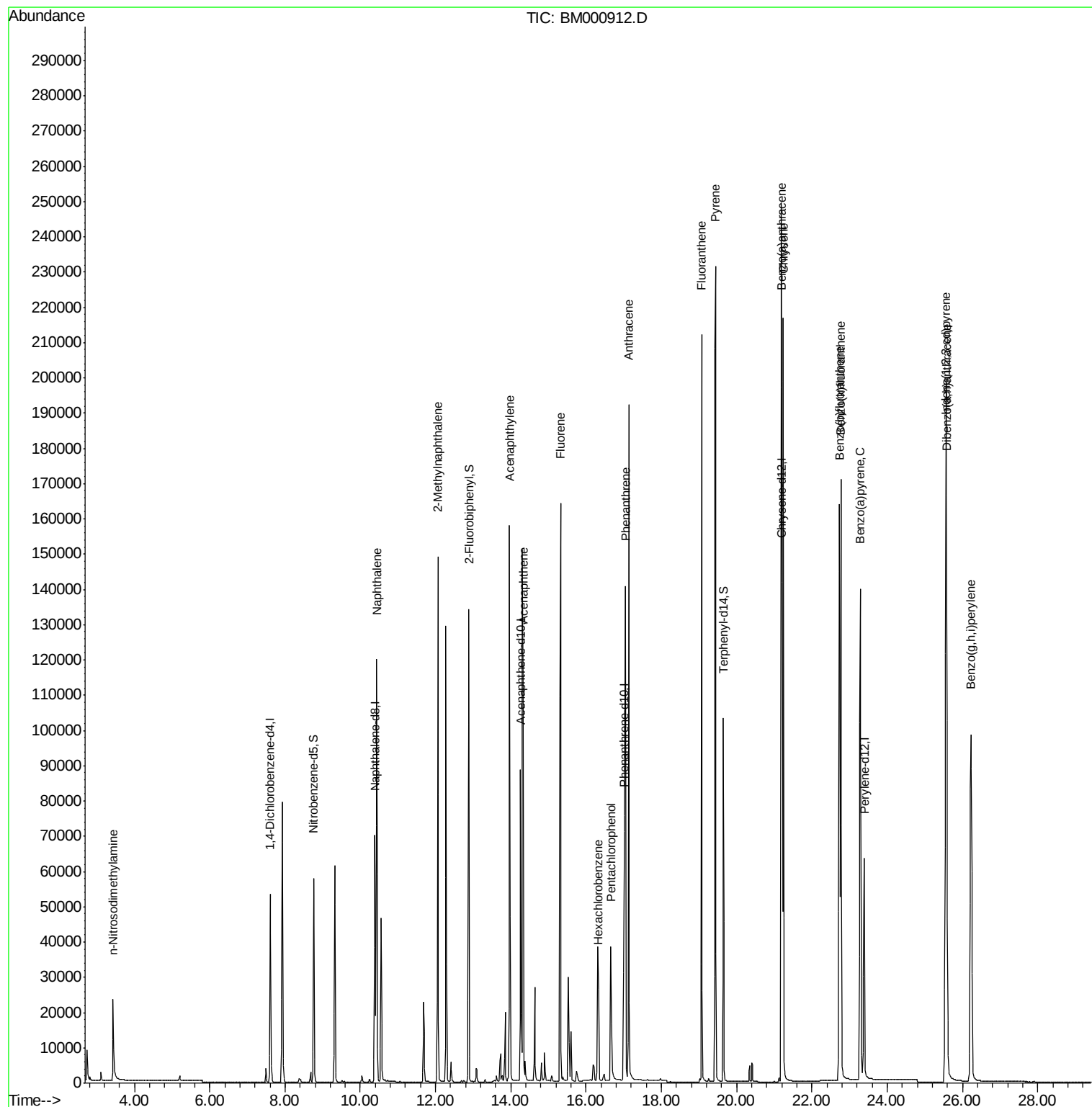
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	26193	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	90974	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	47771	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	102527	5.00	ng	0.00
19) Chrysene-d12	21.20	240	93746	5.00	ng	-0.01
25) Perylene-d12	23.39	264	86175	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	46091	8.25	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	128250	8.65	ng	0.00
21) Terphenyl-d14	19.65	244	101562	9.00	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	21461	7.24	ng	# 94
6) Naphthalene	10.44	128	161047	7.62	ng	100
7) 2-Methylnaphthalene	12.06	142	104925	7.86	ng	95
10) Acenaphthylene	13.97	152	178800	8.46	ng	100
11) Acenaphthene	14.33	154	102973	7.03	ng	99
12) Fluorene	15.32	166	128915	7.86	ng	100
14) Hexachlorobenzene	16.33	284	43194	7.19	ng	# 43
15) Pentachlorophenol	16.66	266	33291	11.39	ng	# 86
16) Phenanthrene	17.05	178	199315	7.10	ng	99
17) Anthracene	17.13	178	212531	9.03	ng	99
18) Fluoranthene	19.06	202	226979	8.18	ng	100
20) Pyrene	19.44	202	242069	7.92	ng	99
22) Benzo(a)anthracene	21.19	228	219401	8.20	ng	99
23) Chrysene	21.24	228	213268	7.60	ng	# 88
24) Indeno(1,2,3-cd)pyrene	25.56	276	219044	7.54	ng	100
26) Benzo(b)fluoranthene	22.73	252	224371	8.27	ng	98
27) Benzo(k)fluoranthene	22.78	252	191805	7.37	ng	98
28) Benzo(a)pyrene	23.29	252	196986	8.45	ng	96
29) Dibenzo(a,h)anthracene	25.58	278	176460	7.67	ng	97
30) Benzo(g,h,i)perylene	26.23	276	189663	7.64	ng	99

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

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Quant Time: Apr 09 03:47:42 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 03:29:56 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 918

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

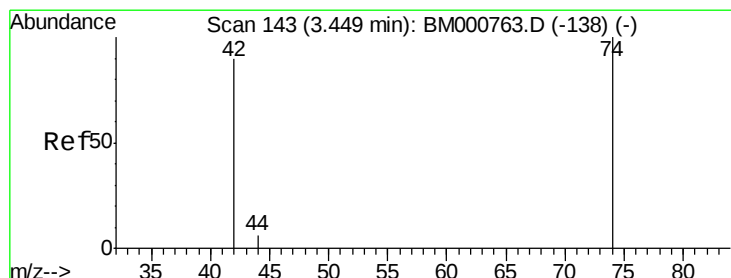
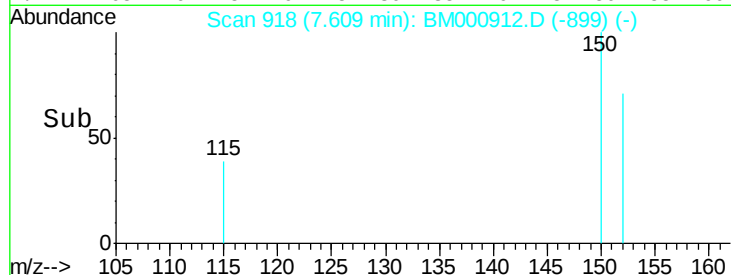
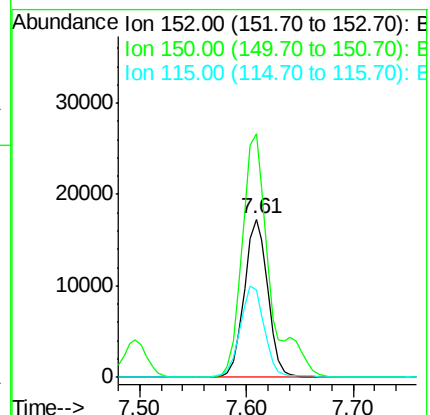
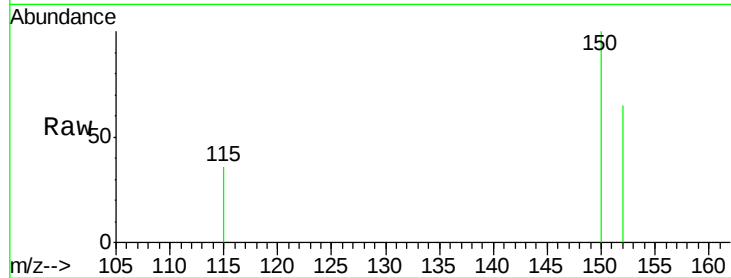
Tgt Ion:152 Resp: 26193

Ion Ratio Lower Upper

152 100

150 153.7 120.8 181.2

115 55.2 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 7.24 ng

RT: 3.43 min Scan# 139

Delta R.T. -0.01 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

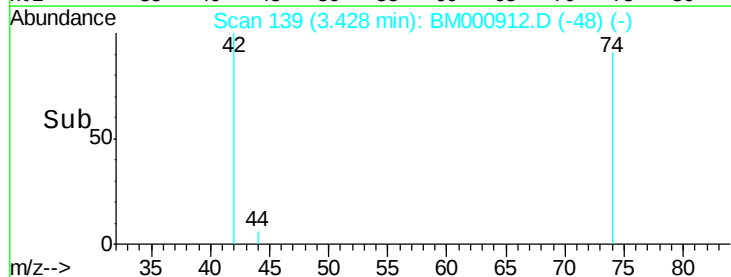
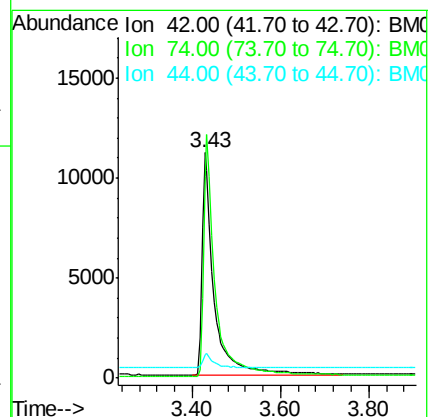
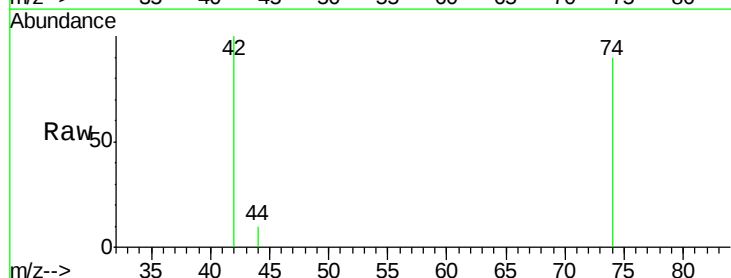
Tgt Ion: 42 Resp: 21461

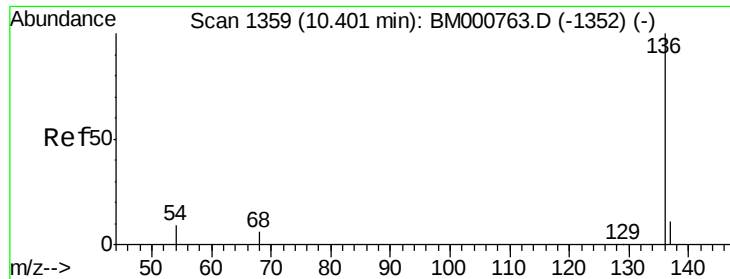
Ion Ratio Lower Upper

42 100

74 110.0 93.6 140.4

44 6.0 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

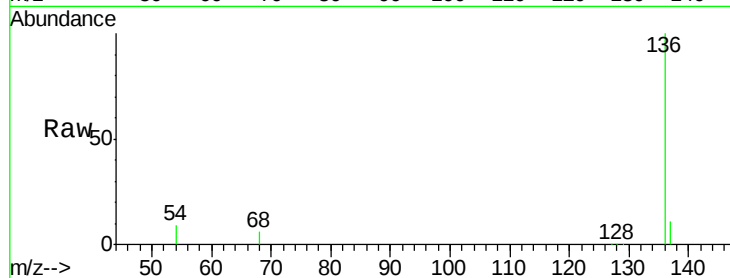
Tgt Ion:136 Resp: 90974

Ion Ratio Lower Upper

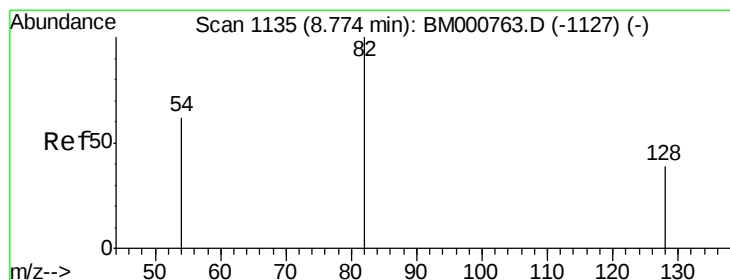
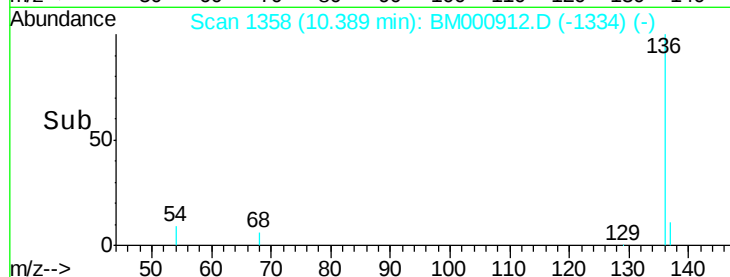
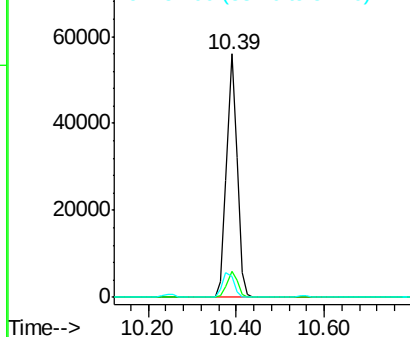
136 100

137 10.6 8.6 12.8

54 8.8 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 8.25 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

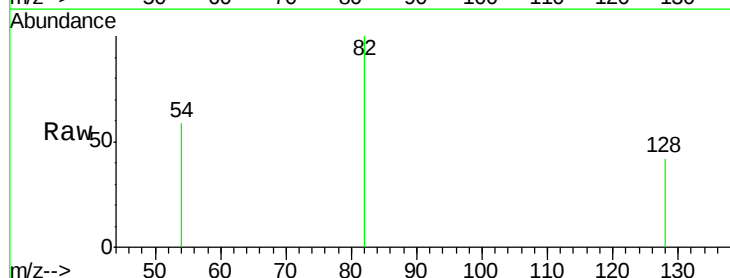
Tgt Ion: 82 Resp: 46091

Ion Ratio Lower Upper

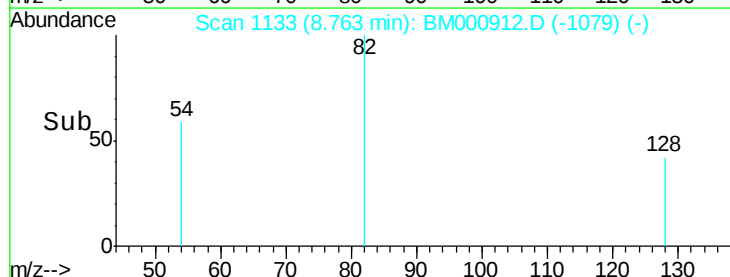
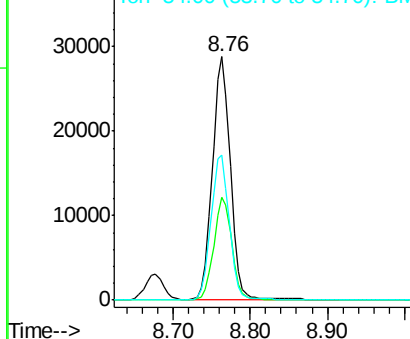
82 100

128 42.5 32.2 48.2

54 59.4 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 7.62 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

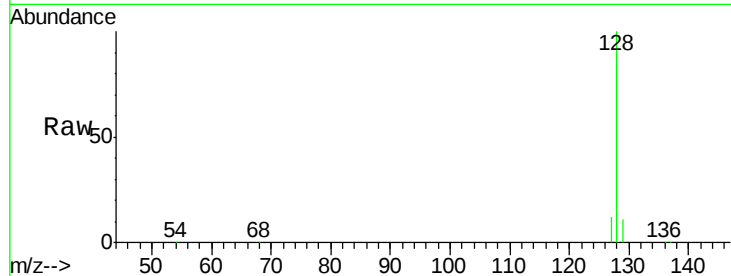
Tgt Ion:128 Resp: 161047

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

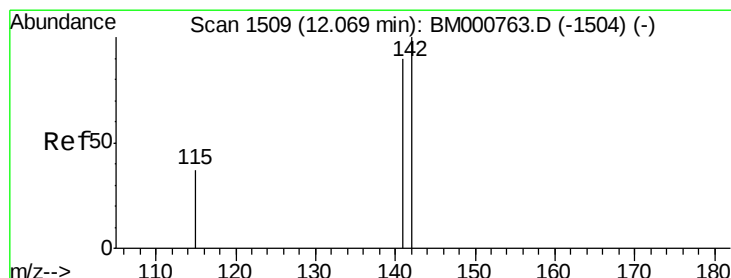
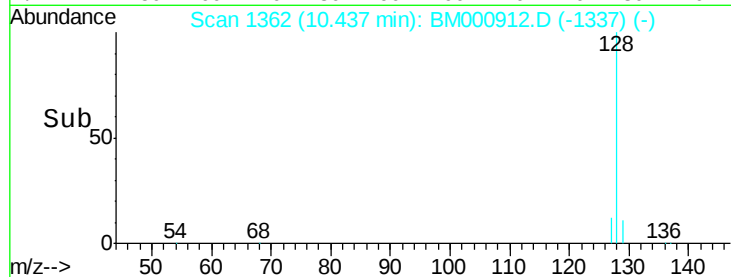
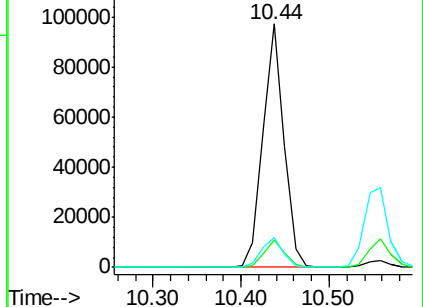
127 12.3 10.0 15.0



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



#7

2-Methylnaphthalene

Concen: 7.86 ng

RT: 12.06 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

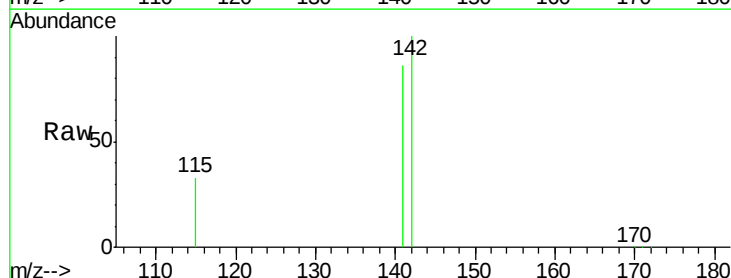
Tgt Ion:142 Resp: 104925

Ion Ratio Lower Upper

142 100

141 86.2 72.3 108.5

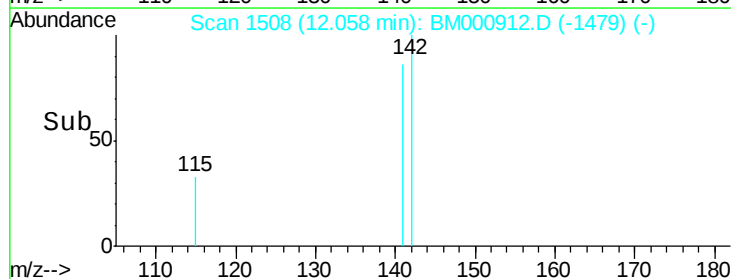
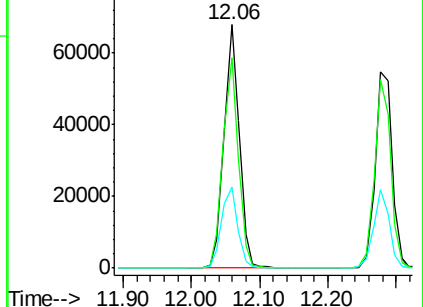
115 33.3 29.5 44.3



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





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

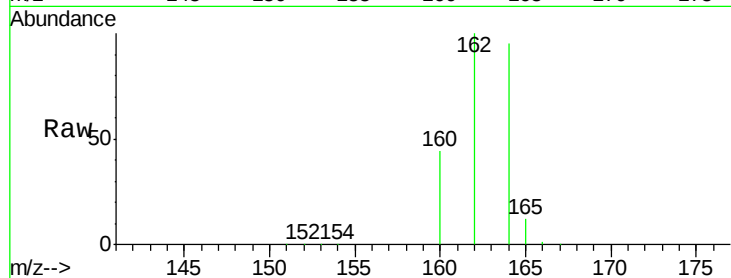
Tgt Ion:164 Resp: 47771

Ion Ratio Lower Upper

164 100

162 105.1 75.4 113.2

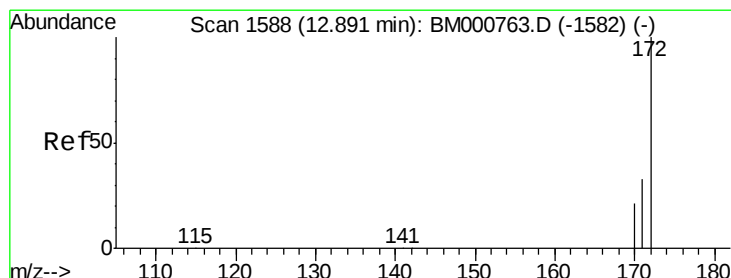
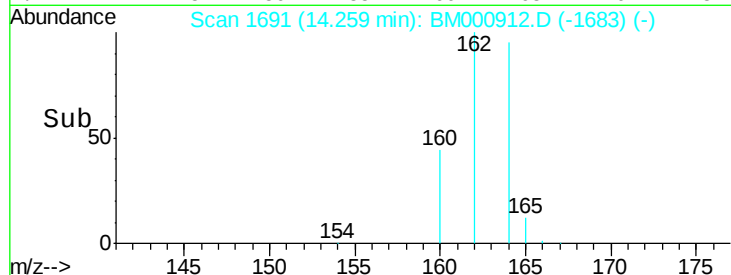
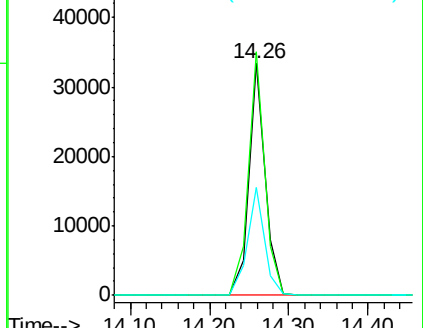
160 46.6 30.8 46.2#



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



#9

2-Fluorobiphenyl

Concen: 8.65 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

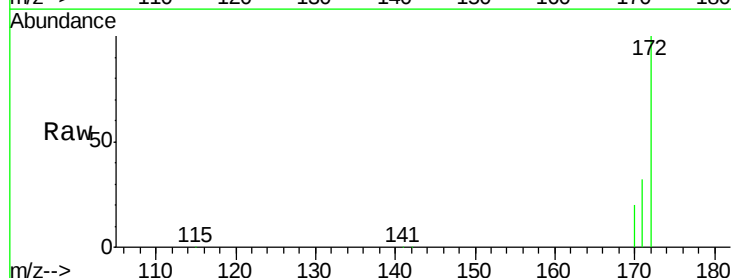
Tgt Ion:172 Resp: 128250

Ion Ratio Lower Upper

172 100

171 32.3 26.6 39.8

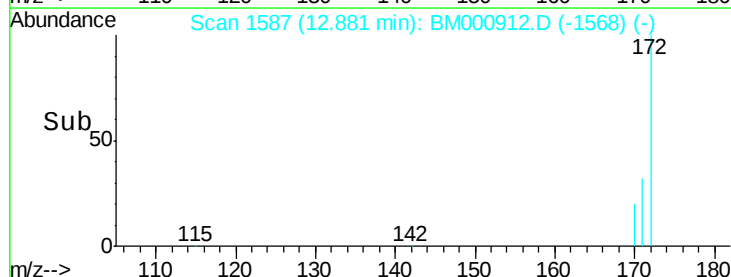
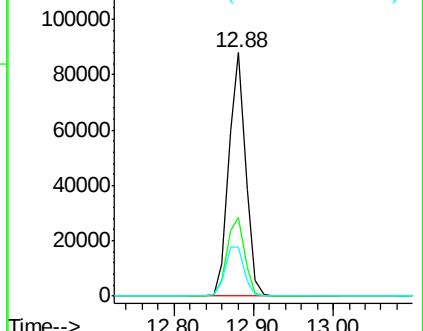
170 20.1 17.1 25.7



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





#10

Acenaphthylene

Concen: 8.46 ng

RT: 13.97 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

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ClientSampleId :

PB82543BS

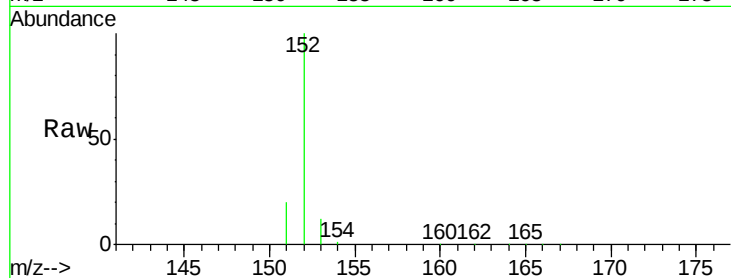
Tgt Ion:152 Resp: 178800

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

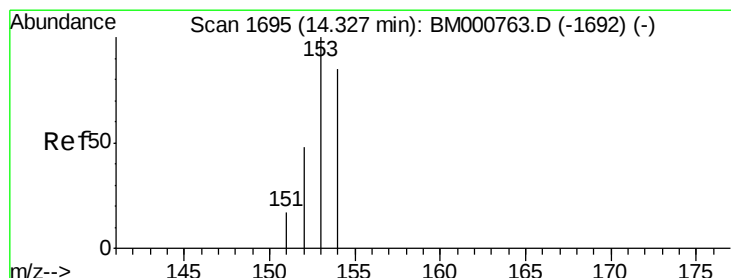
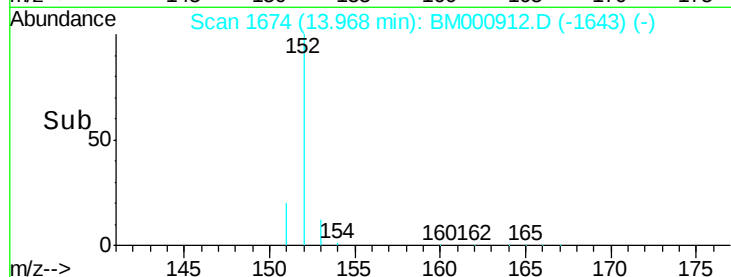
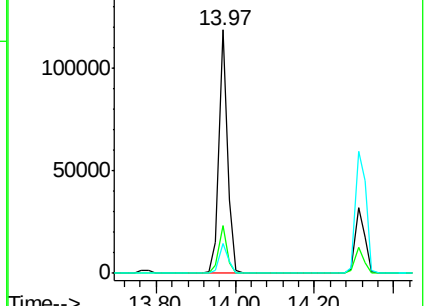
153 12.8 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 7.03 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

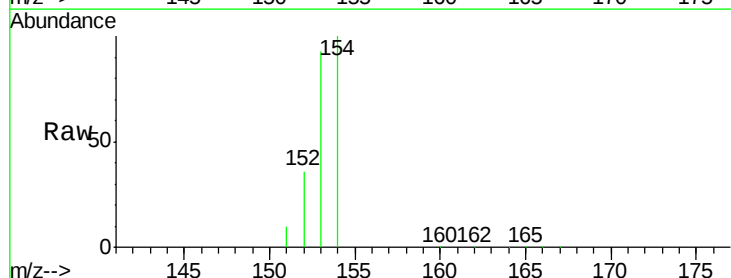
Tgt Ion:154 Resp: 102973

Ion Ratio Lower Upper

154 100

153 109.4 87.3 130.9

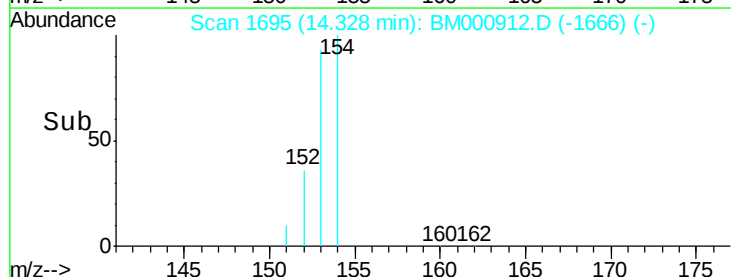
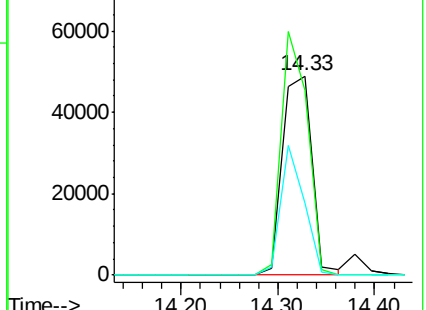
152 52.2 43.0 64.6

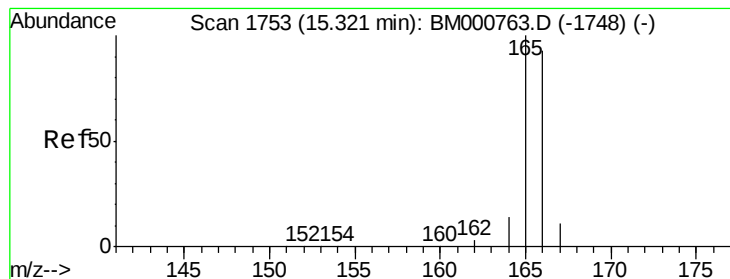


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 7.86 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000912.D

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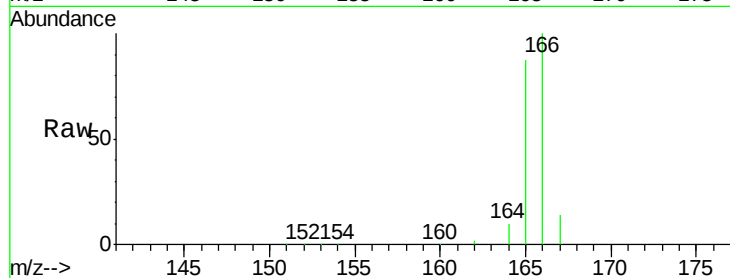
Tgt Ion:166 Resp: 128915

Ion Ratio Lower Upper

166 100

165 98.0 78.2 117.2

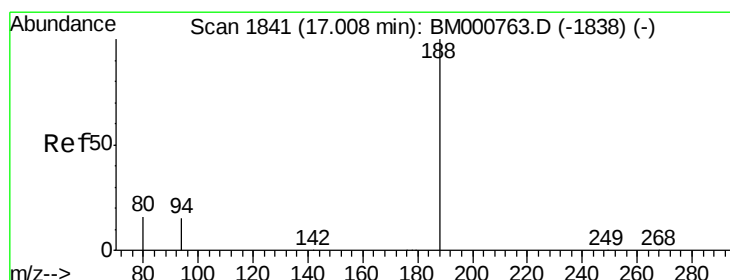
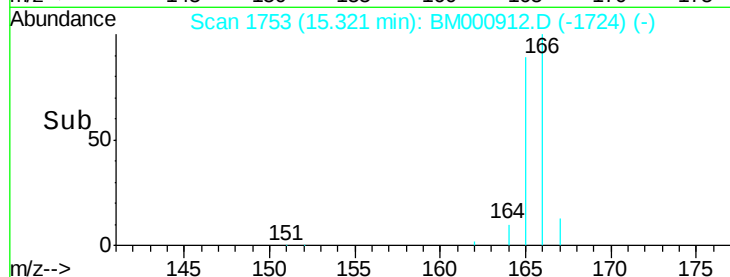
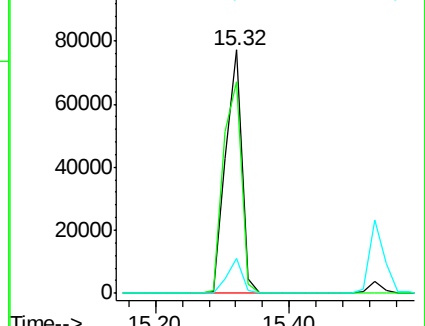
167 13.3 10.7 16.1



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



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

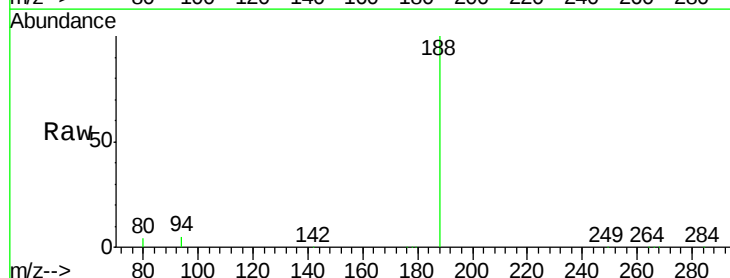
Tgt Ion:188 Resp: 102527

Ion Ratio Lower Upper

188 100

94 4.6 12.0 18.0#

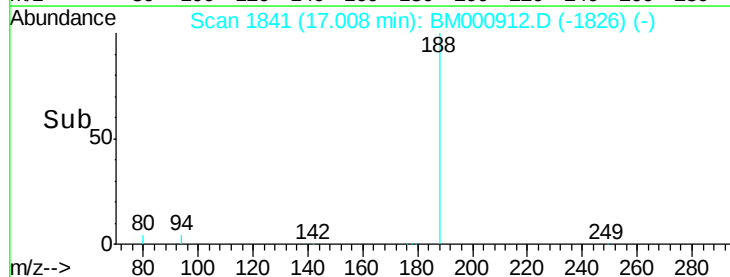
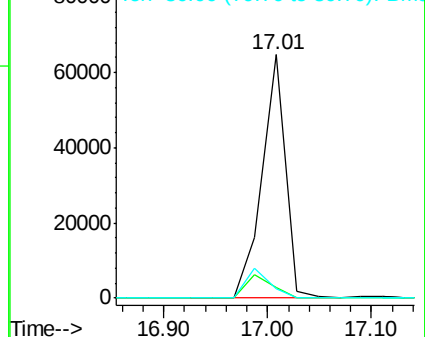
80 4.0 12.8 19.2#

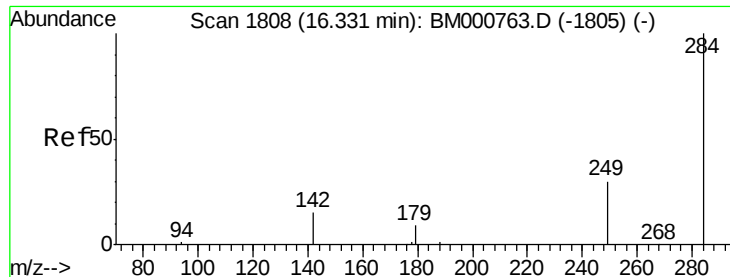


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#14

Hexachlorobenzene

Concen: 7.19 ng

RT: 16.33 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

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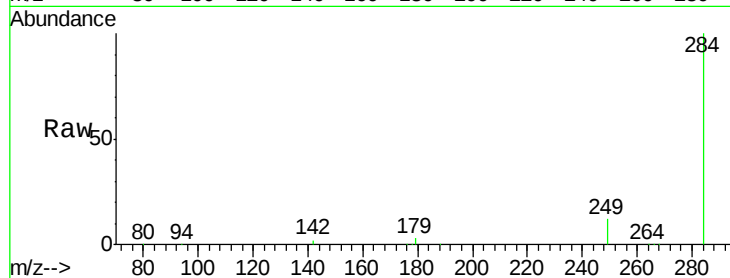
Tgt Ion:284 Resp: 43194

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

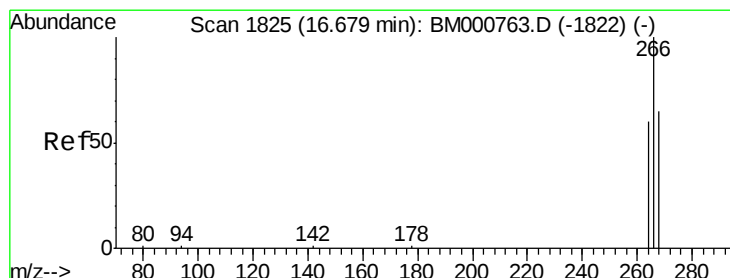
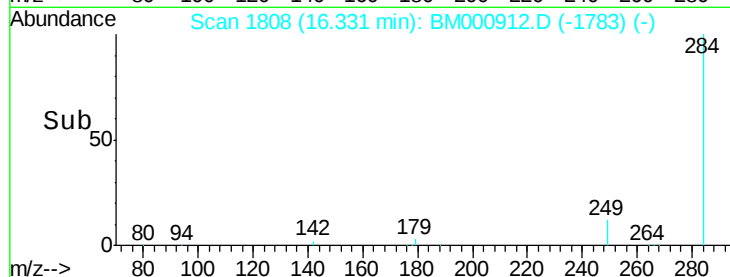
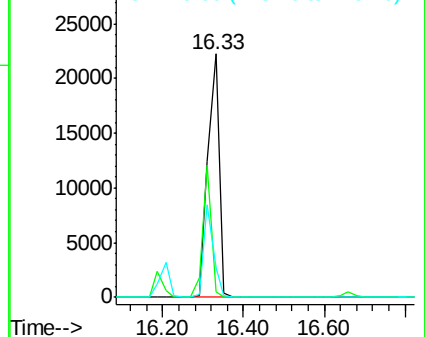
249 0.0 25.2 37.8#



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



#15

Pentachlorophenol

Concen: 11.39 ng

RT: 16.66 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

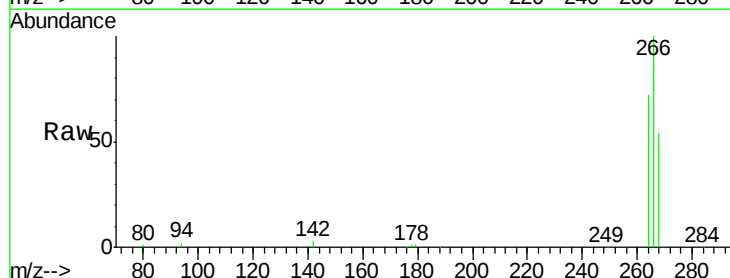
Tgt Ion:266 Resp: 33291

Ion Ratio Lower Upper

266 100

268 54.0 55.0 82.6#

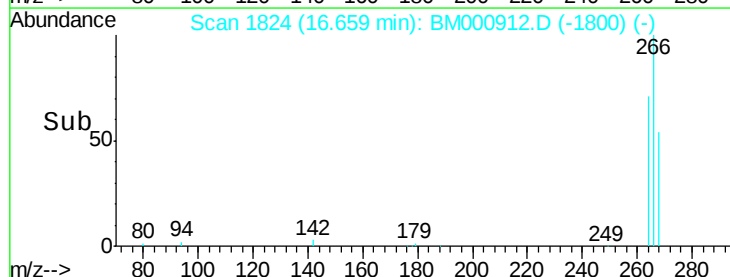
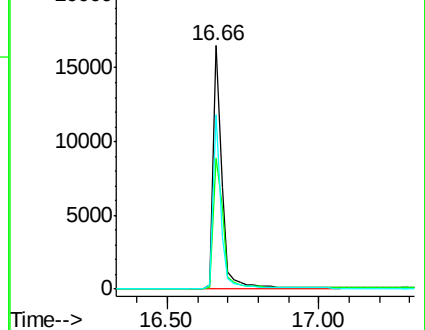
264 71.5 51.0 76.4

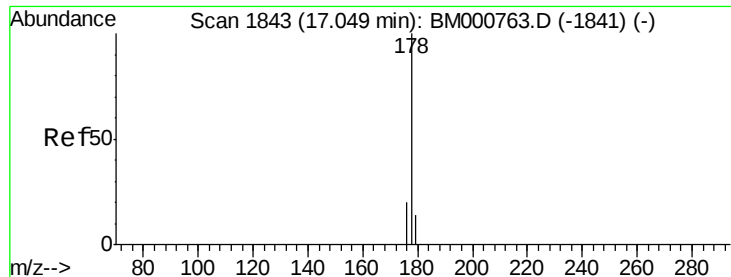


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 7.10 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

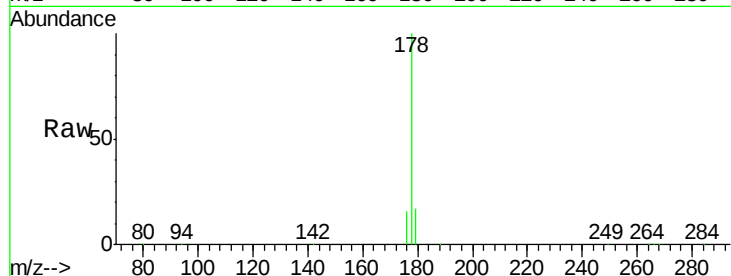
Tgt Ion:178 Resp: 199315

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

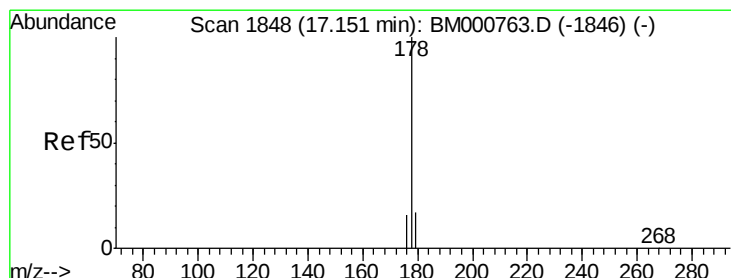
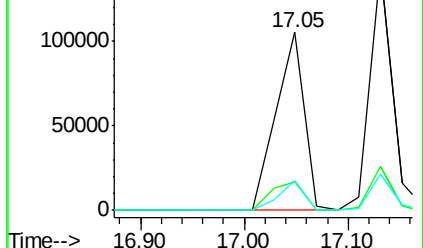
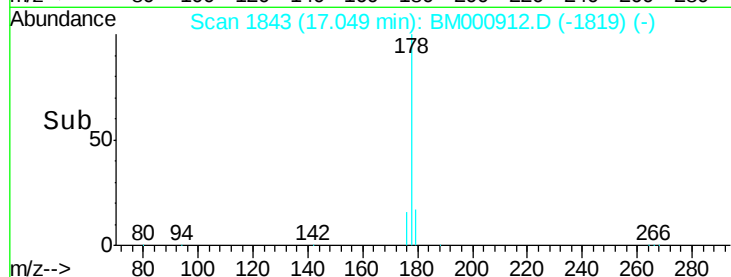
179 15.3 12.2 18.2



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



#17

Anthracene

Concen: 9.03 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

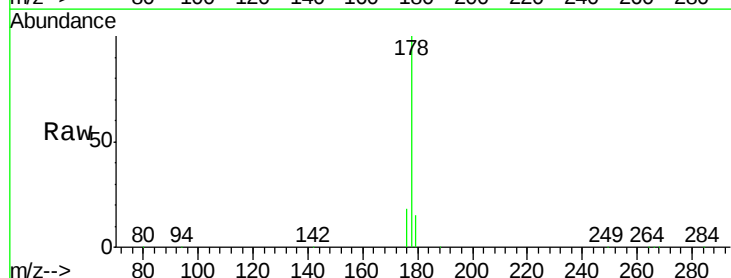
Tgt Ion:178 Resp: 212531

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

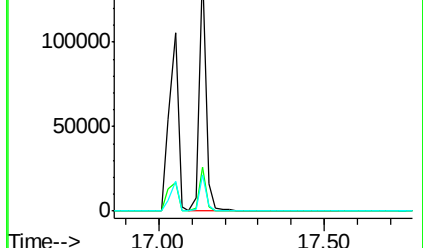
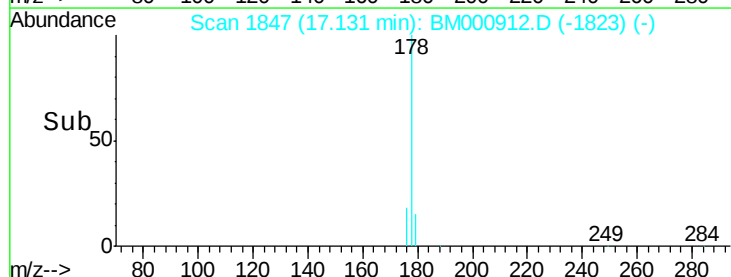
179 15.4 12.2 18.4

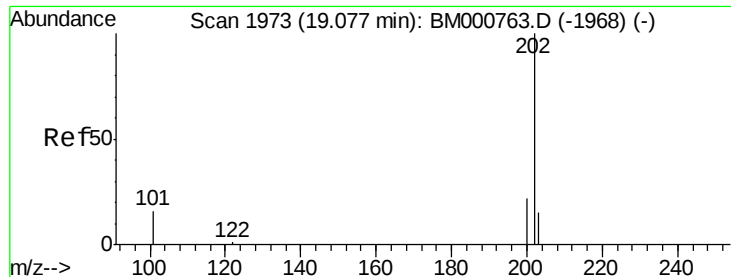


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

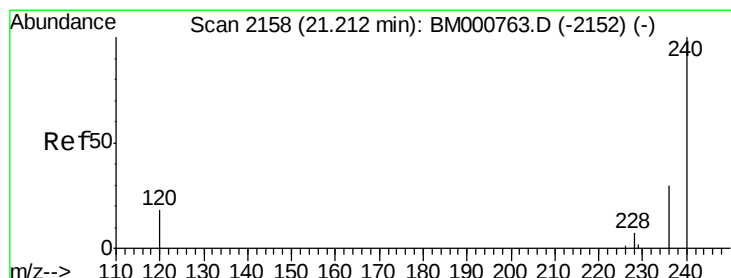
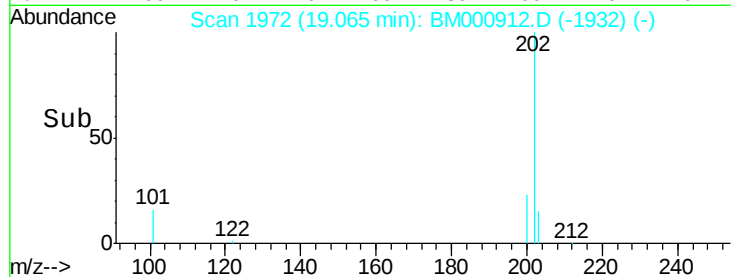
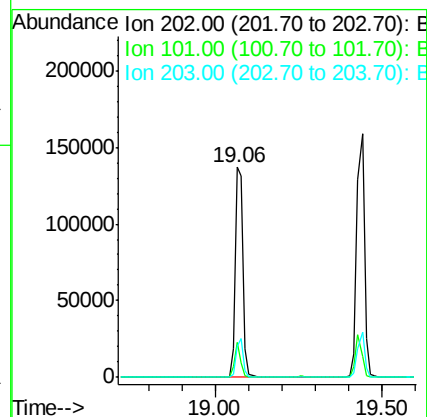
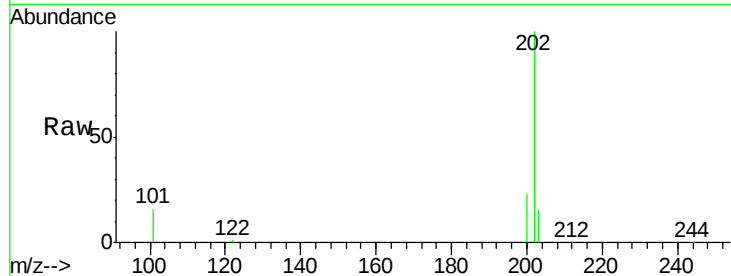




#18
 Fluoranthene
 Concen: 8.18 ng
 RT: 19.06 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000912.D
 Acq: 08 Apr 2015 16:50

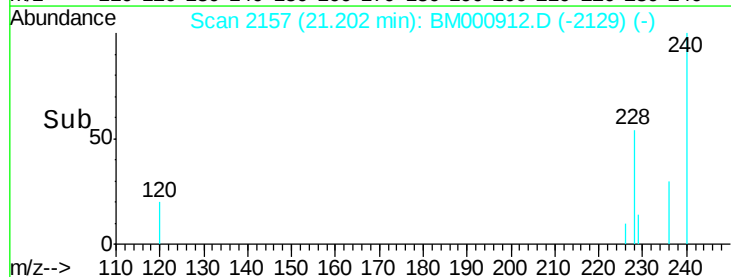
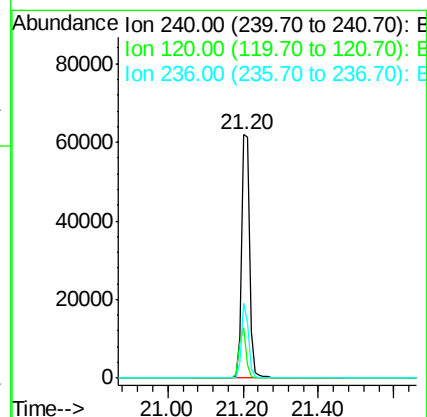
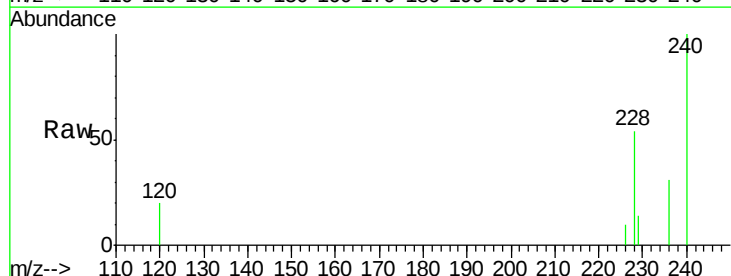
Instrument :
 BNA_M
 ClientSampleId :
 PB82543BS

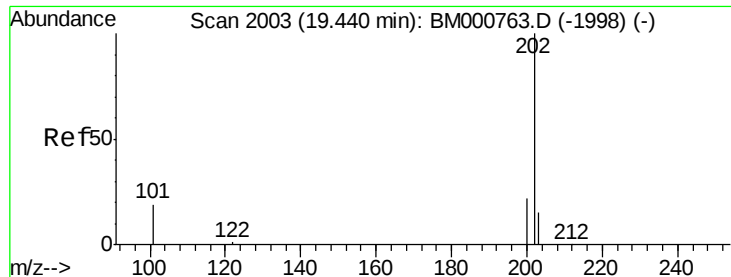
Tgt Ion: 202 Resp: 226979
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.5 15.7
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000912.D
 Acq: 08 Apr 2015 16:50

Tgt Ion: 240 Resp: 93746
 Ion Ratio Lower Upper
 240 100
 120 20.5 14.9 22.3
 236 30.5 24.2 36.4

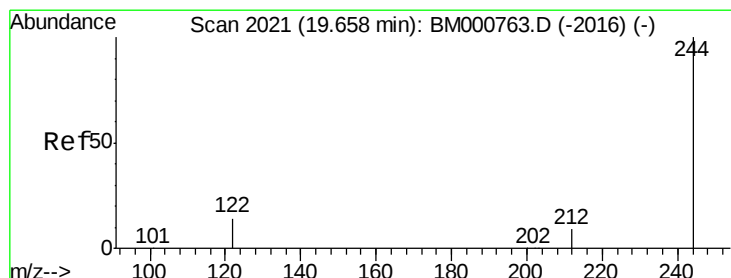
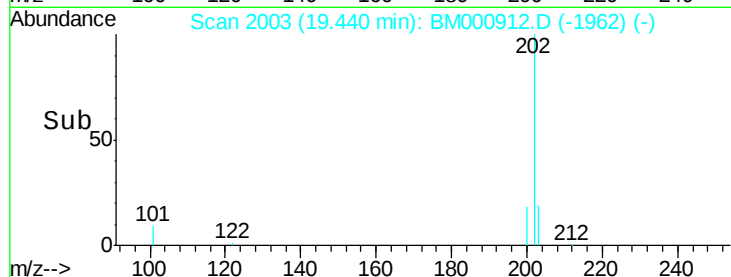
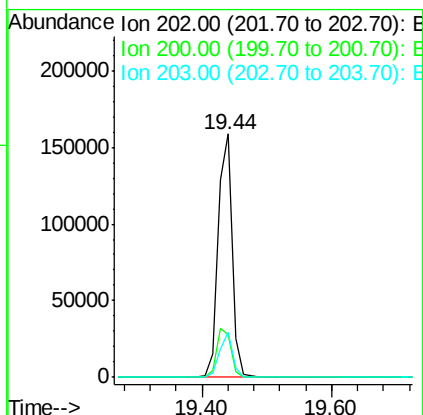
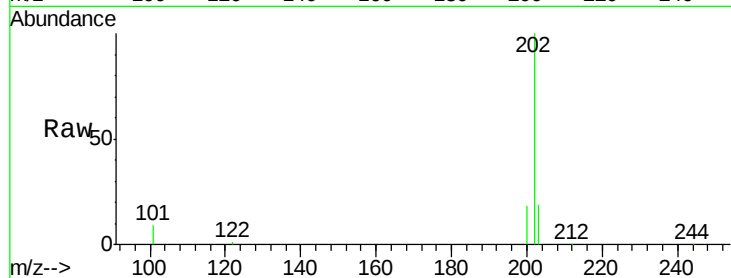




#20
Pyrene
Concen: 7.92 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000912.D
Acq: 08 Apr 2015 16:50

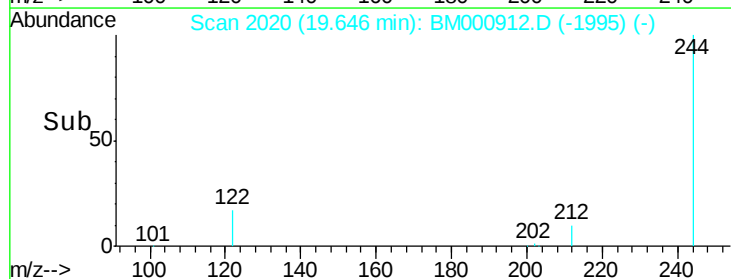
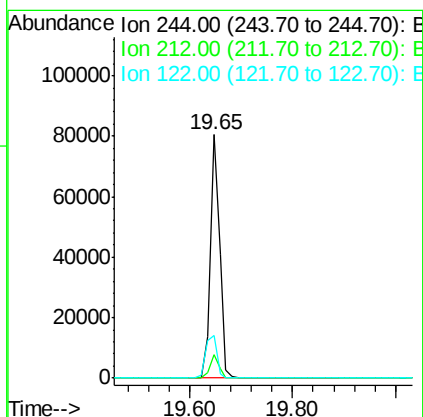
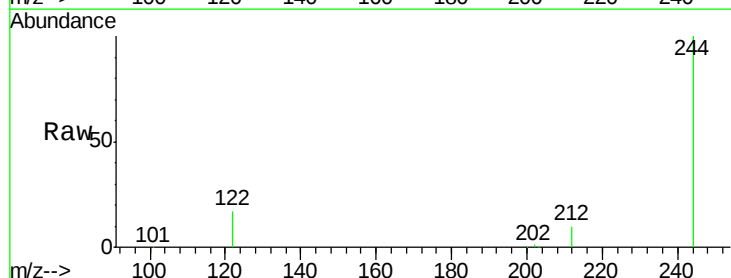
Instrument :
BNA_M
ClientSampleId :
PB82543BS

Tgt Ion: 202 Resp: 242069
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.7 13.9 20.9



#21
Terphenyl-d14
Concen: 9.00 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000912.D
Acq: 08 Apr 2015 16:50

Tgt Ion: 244 Resp: 101562
Ion Ratio Lower Upper
244 100
212 9.8 7.8 11.6
122 17.3 11.8 17.8





#22

Benzo(a)anthracene

Concen: 8.20 ng

RT: 21.19 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

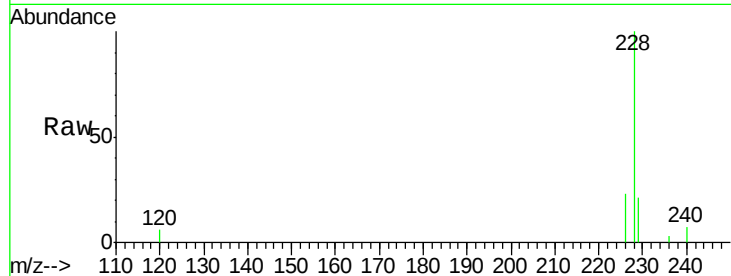
Tgt Ion:228 Resp: 219401

Ion Ratio Lower Upper

228 100

226 23.1 18.6 27.8

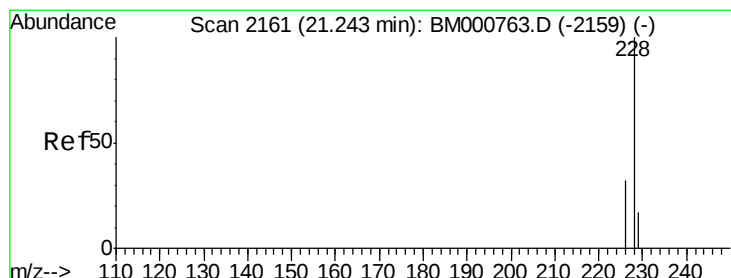
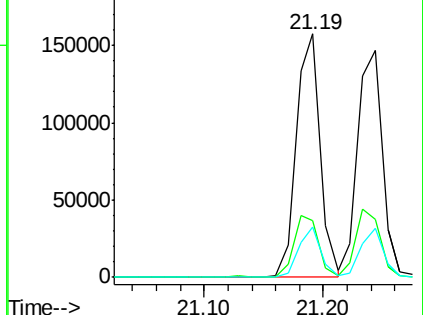
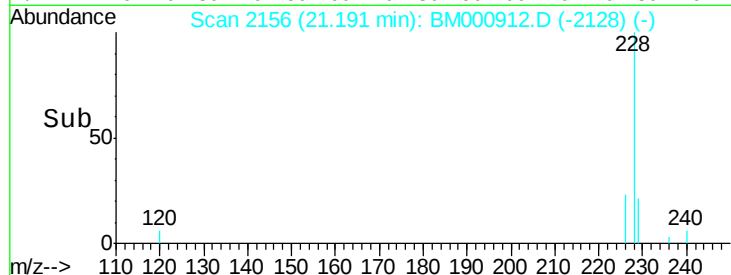
229 20.6 17.2 25.8



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



#23

Chrysene

Concen: 7.60 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

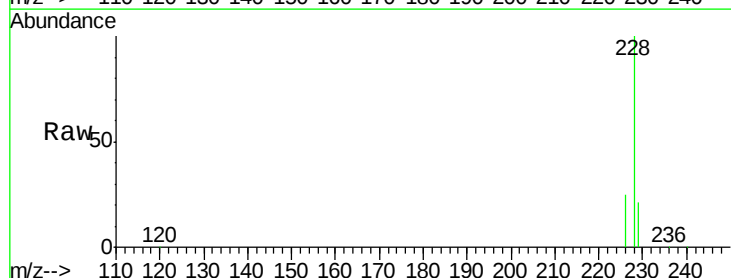
Tgt Ion:228 Resp: 213268

Ion Ratio Lower Upper

228 100

226 25.3 25.8 38.8#

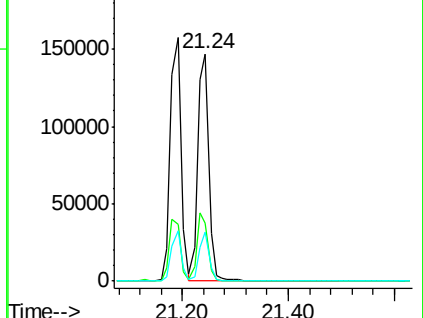
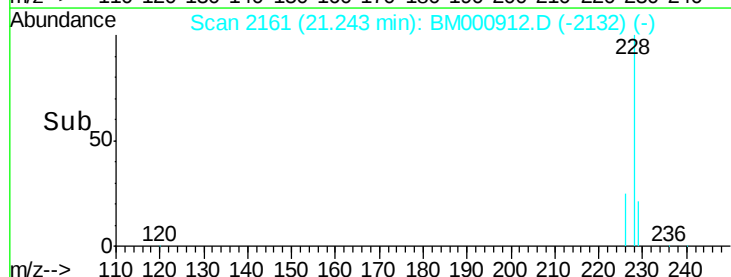
229 21.4 13.8 20.6#



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

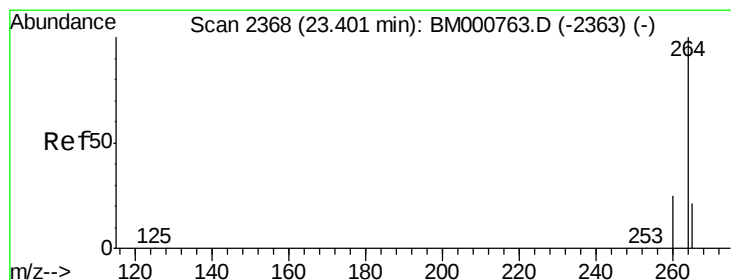
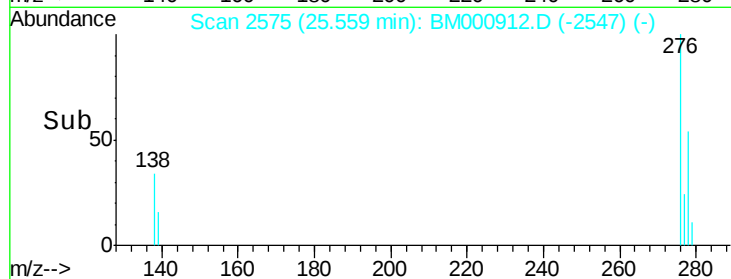
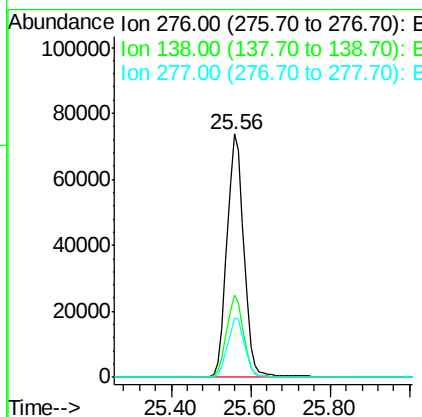
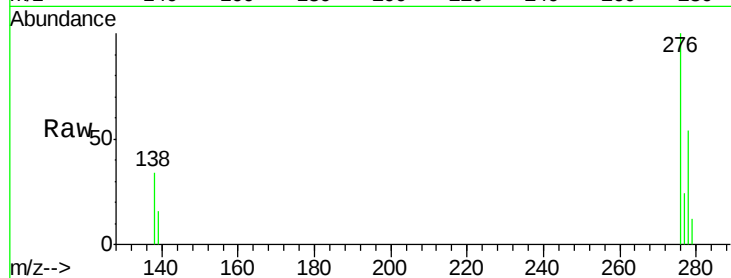




#24
Indeno(1,2,3-cd)pyrene
Concen: 7.54 ng
RT: 25.56 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BM000912.D
Acq: 08 Apr 2015 16:50

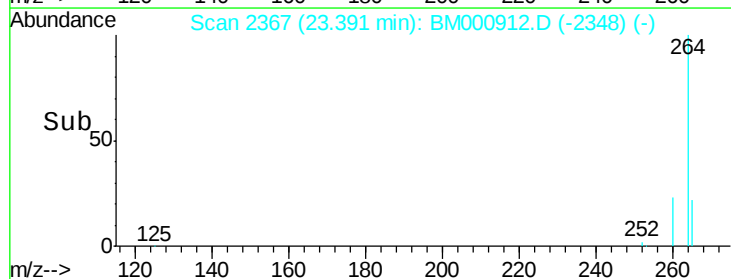
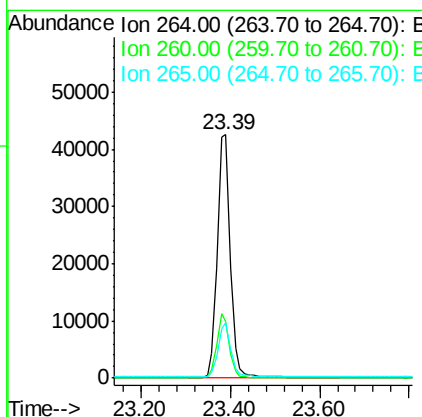
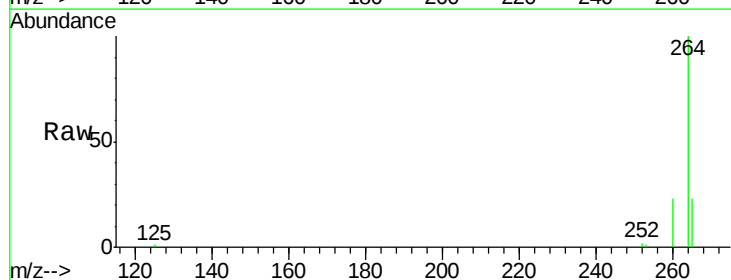
Instrument :
BNA_M
ClientSampleId :
PB82543BS

Tgt Ion: 276 Resp: 219044
Ion Ratio Lower Upper
276 100
138 33.9 27.4 41.2
277 24.6 19.7 29.5



#25
Perylene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BM000912.D
Acq: 08 Apr 2015 16:50

Tgt Ion: 264 Resp: 86175
Ion Ratio Lower Upper
264 100
260 23.3 20.1 30.1
265 22.5 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 8.27 ng

RT: 22.73 min Scan# 2304

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

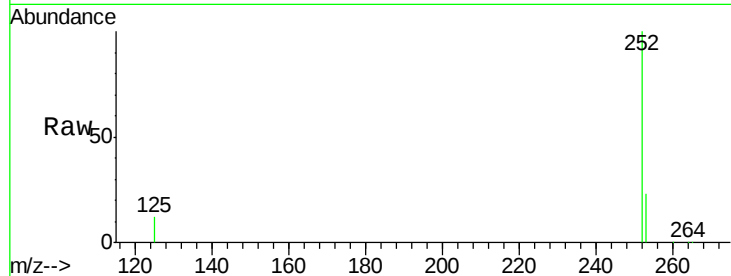
Tgt Ion:252 Resp: 224371

Ion Ratio Lower Upper

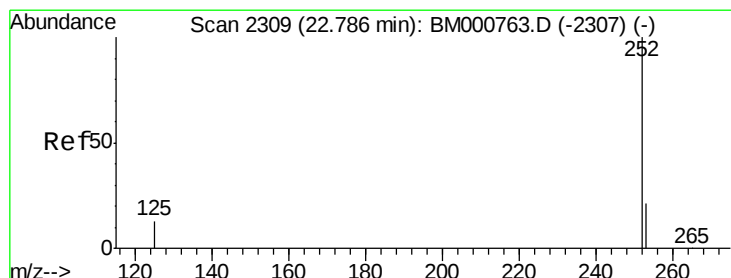
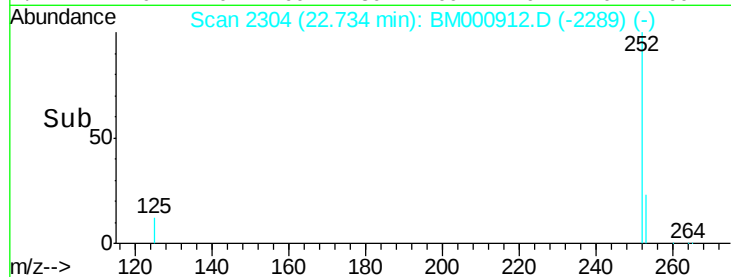
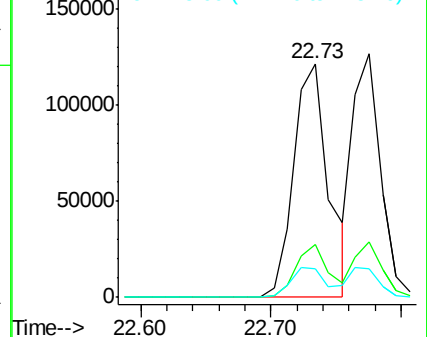
252 100

253 22.8 18.5 27.7

125 12.0 10.6 16.0



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



#27

Benzo(k)fluoranthene

Concen: 7.37 ng

RT: 22.78 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

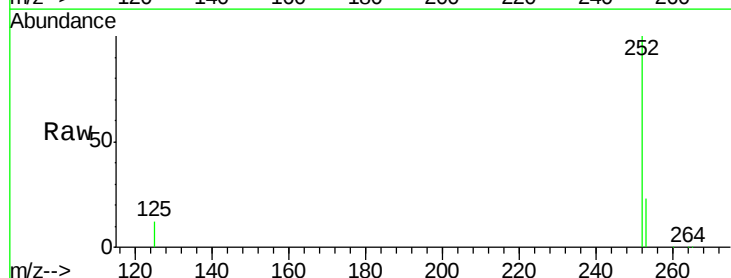
Tgt Ion:252 Resp: 191805

Ion Ratio Lower Upper

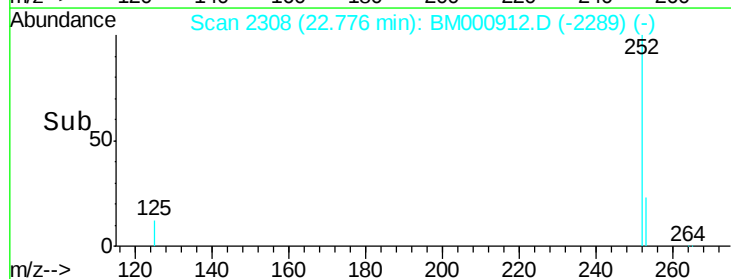
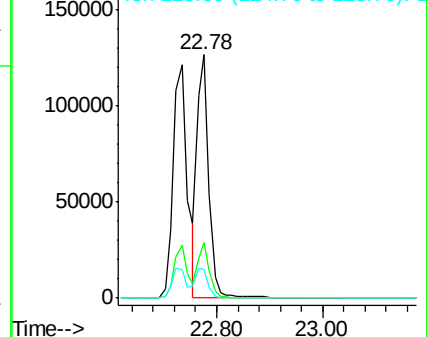
252 100

253 22.8 17.9 26.9

125 12.0 10.8 16.2



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





#28

Benzo(a)pyrene

Concen: 8.45 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

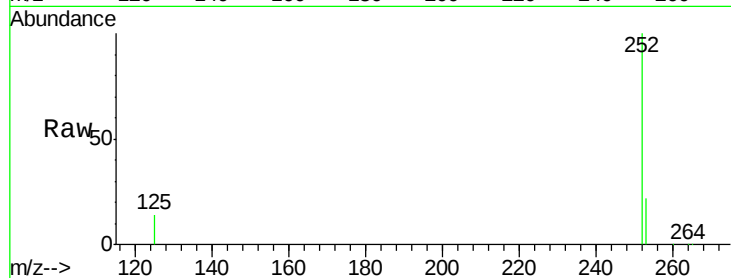
Tgt Ion:252 Resp: 196986

Ion Ratio Lower Upper

252 100

253 21.6 19.4 29.2

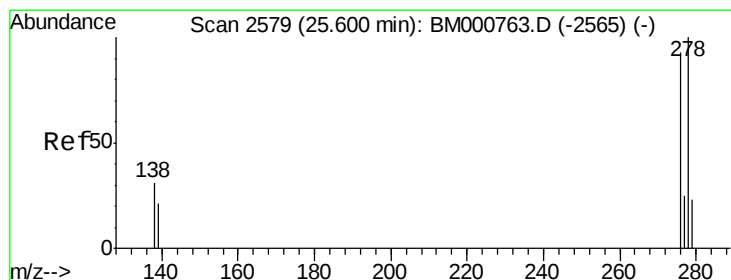
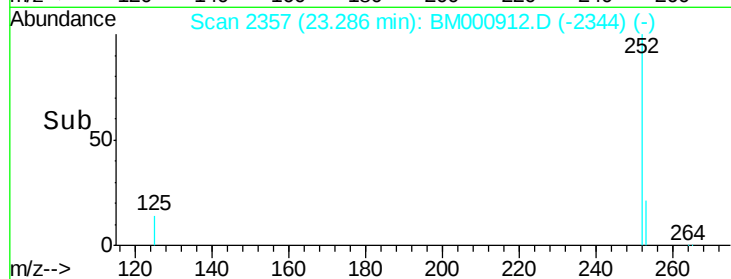
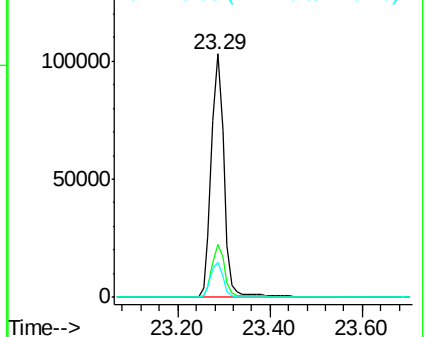
125 14.1 11.5 17.3



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



#29

Dibenzo(a,h)anthracene

Concen: 7.67 ng

RT: 25.58 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

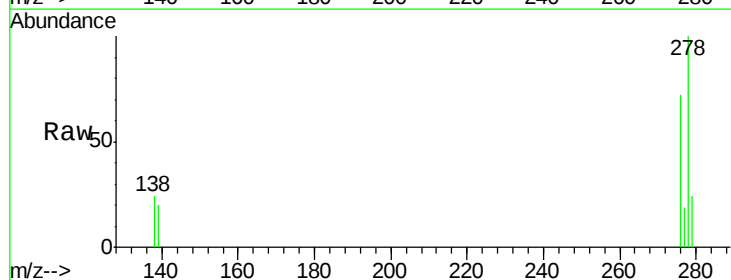
Tgt Ion:278 Resp: 176460

Ion Ratio Lower Upper

278 100

139 20.0 17.8 26.6

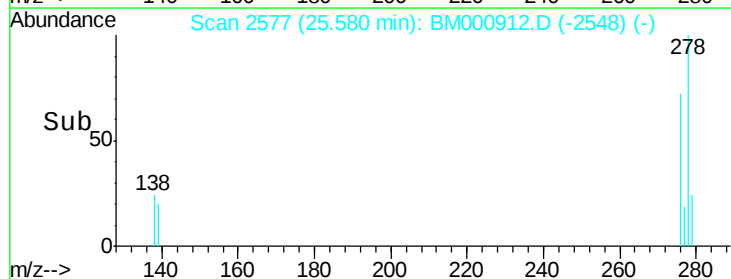
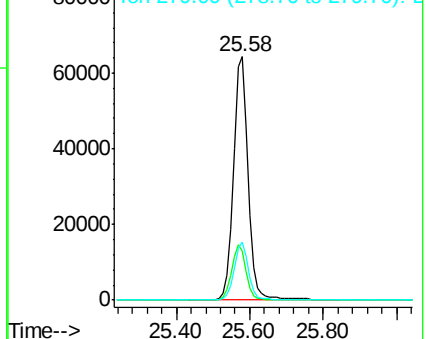
279 23.8 19.3 28.9



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





#30

Benzo(g,h,i)perylene

Concen: 7.64 ng

RT: 26.23 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BM000912.D

Acq: 08 Apr 2015 16:50

Instrument :

BNA_M

ClientSampleId :

PB82543BS

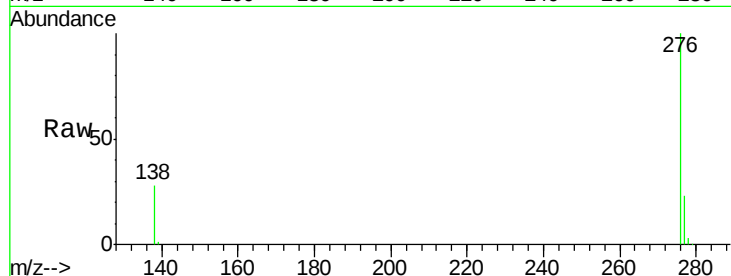
Tgt Ion: 276 Resp: 189663

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 28.4 23.1 34.7



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

