

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000904.D
 Acq On : 08 Apr 2015 12:05
 Operator : TP/IZ
 Sample : PB82494BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82494BS

Quant Time: Apr 09 03:43:51 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

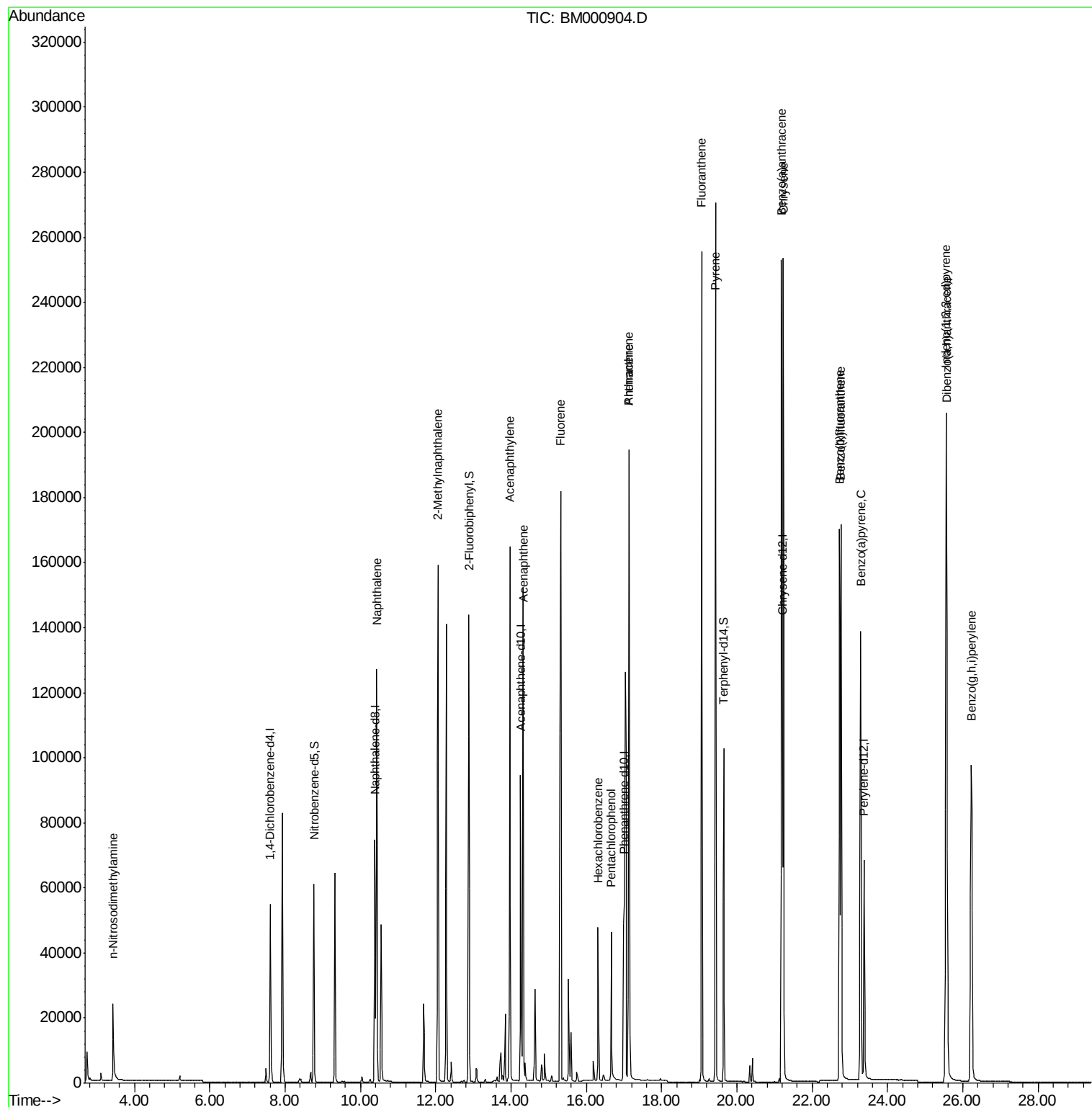
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	27163	5.00	ng	0.00
4) Naphthalene-d8	10.39	136	96061	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	50589	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	101561	5.00	ng	0.00
19) Chrysene-d12	21.20	240	95506	5.00	ng	0.00
25) Perylene-d12	23.38	264	86614	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	48257	8.18	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	137842	8.78	ng	0.00
21) Terphenyl-d14	19.65	244	105777	9.20	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	22132	7.20	ng	# 94
6) Naphthalene	10.44	128	169902	7.61	ng	100
7) 2-Methylnaphthalene	12.06	142	111062	7.87	ng	97
10) Acenaphthylene	13.97	152	189403	8.46	ng	100
11) Acenaphthene	14.33	154	109793	7.08	ng	99
12) Fluorene	15.32	166	137593	7.92	ng	99
14) Hexachlorobenzene	16.31	284	45149	7.59	ng	# 95
15) Pentachlorophenol	16.66	266	34831	11.80	ng	93
16) Phenanthrene	17.13	178	220307	7.92	ng	98
17) Anthracene	17.13	178	220842	9.47	ng	99
18) Fluoranthene	19.07	202	233597	8.50	ng	100
20) Pyrene	19.43	202	250789	8.05	ng	99
22) Benzo(a)anthracene	21.18	228	219527	8.05	ng	# 91
23) Chrysene	21.24	228	214771	7.51	ng	98
24) Indeno(1,2,3-cd)pyrene	25.56	276	219820	7.43	ng	100
26) Benzo(b)fluoranthene	22.73	252	207714	7.61	ng	96
27) Benzo(k)fluoranthene	22.77	252	213404	8.15	ng	97
28) Benzo(a)pyrene	23.29	252	197478	8.43	ng	97
29) Dibenzo(a,h)anthracene	25.57	278	176294	7.62	ng	99
30) Benzo(g,h,i)perylene	26.23	276	189587	7.60	ng	99

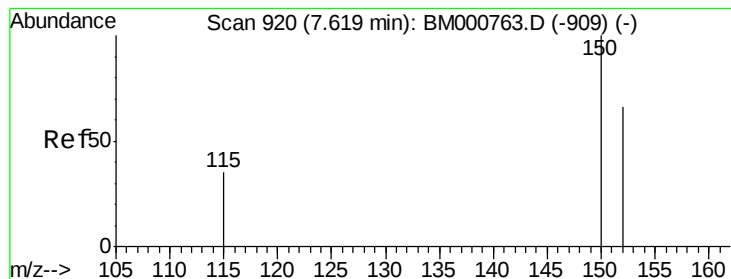
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 09 03:43:51 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: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

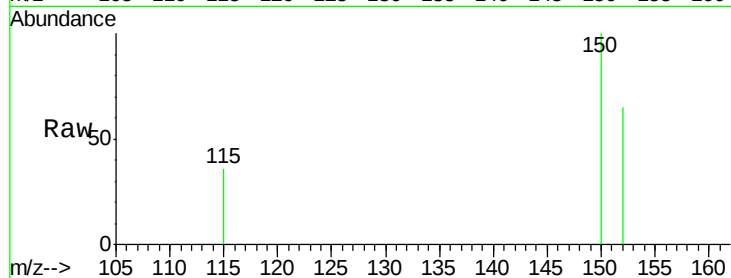
Tgt Ion:152 Resp: 27163

Ion Ratio Lower Upper

152 100

150 154.5 120.8 181.2

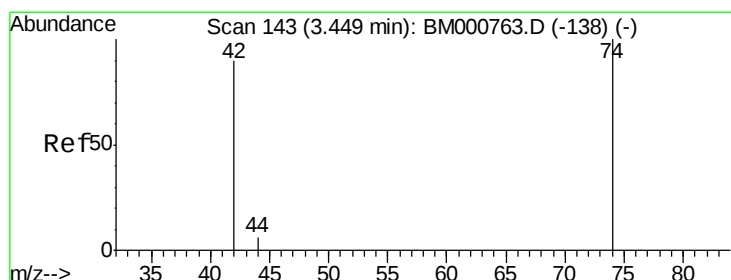
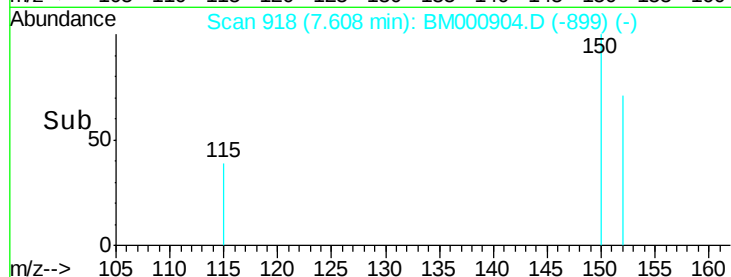
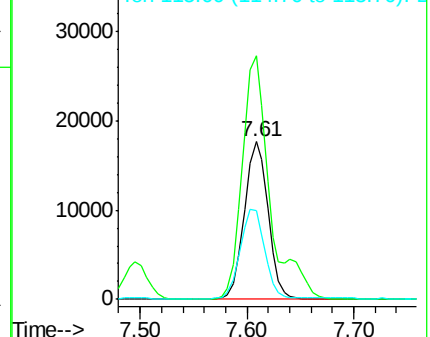
115 56.0 42.7 64.1



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



#3

n-Nitrosodimethylamine

Concen: 7.20 ng

RT: 3.43 min Scan# 139

Delta R.T. -0.01 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

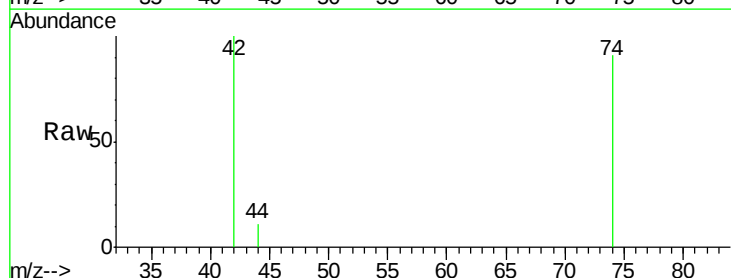
Tgt Ion: 42 Resp: 22132

Ion Ratio Lower Upper

42 100

74 110.2 93.6 140.4

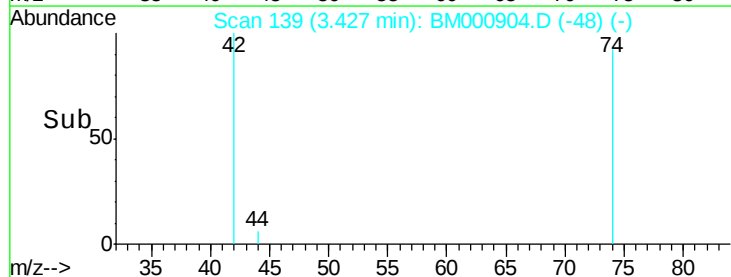
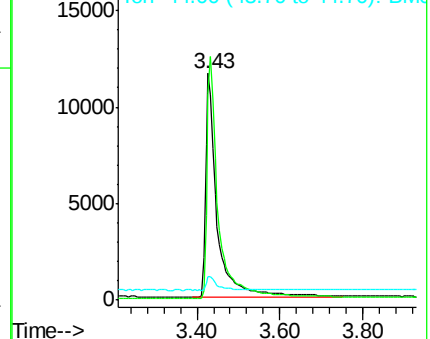
44 6.0 6.3 9.5#

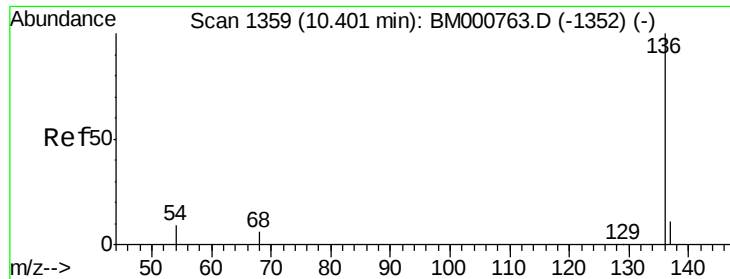


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

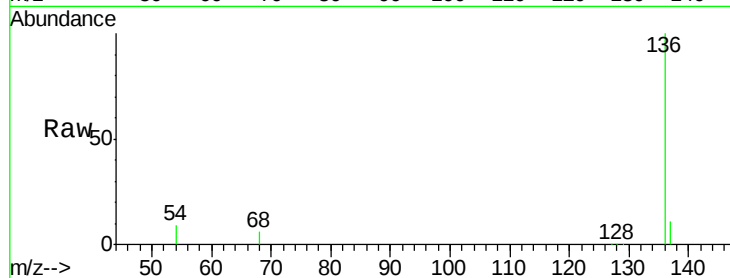
Tgt Ion:136 Resp: 96061

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

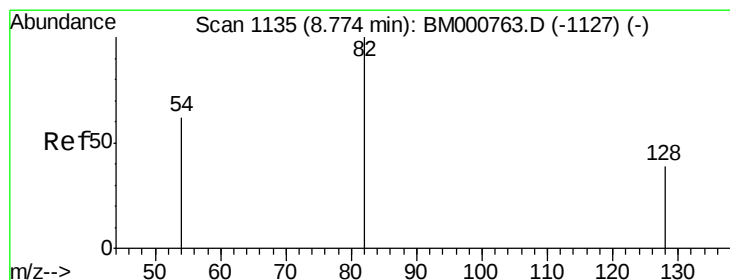
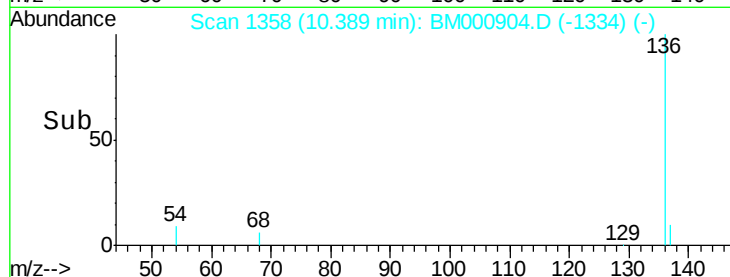
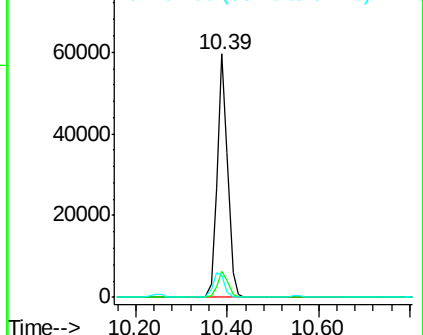
54 8.9 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



#5

Nitrobenzene-d5

Concen: 8.18 ng

RT: 8.76 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

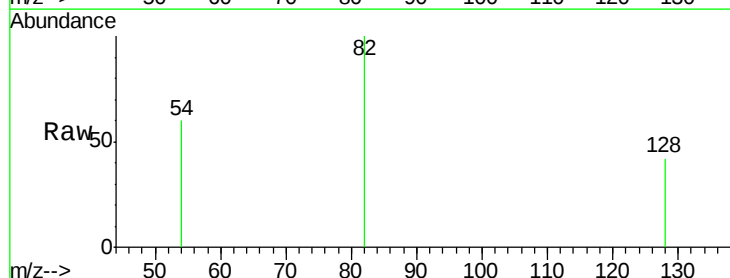
Tgt Ion: 82 Resp: 48257

Ion Ratio Lower Upper

82 100

128 41.5 32.2 48.2

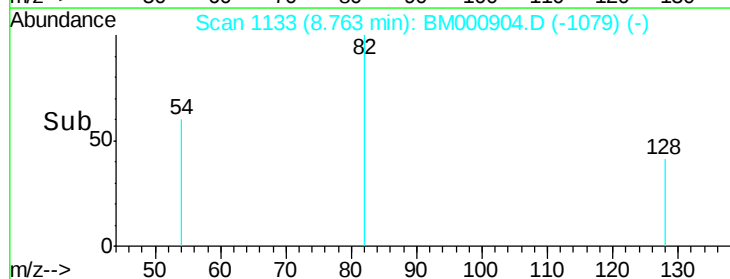
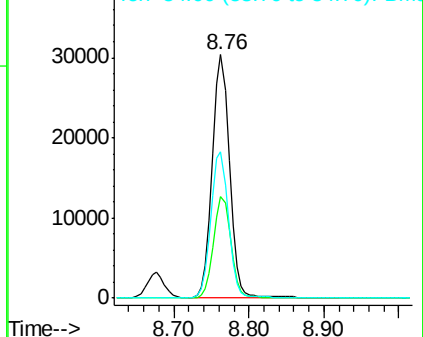
54 59.9 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 7.61 ng

RT: 10.44 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

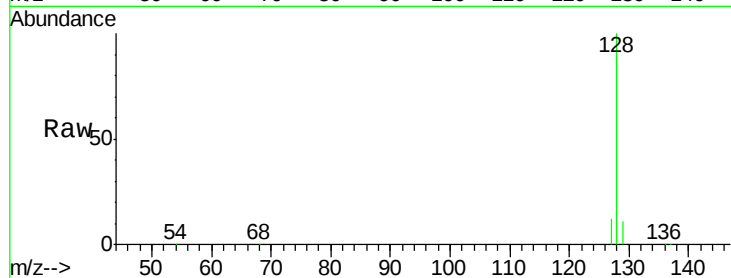
Tgt Ion:128 Resp: 169902

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

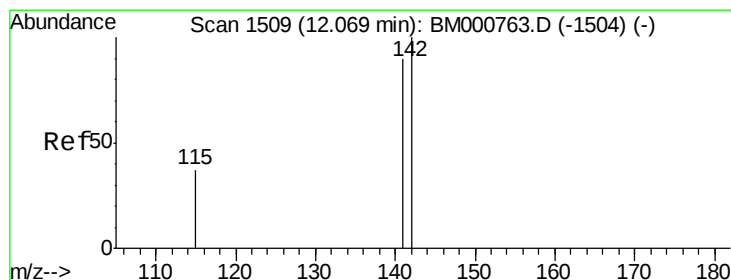
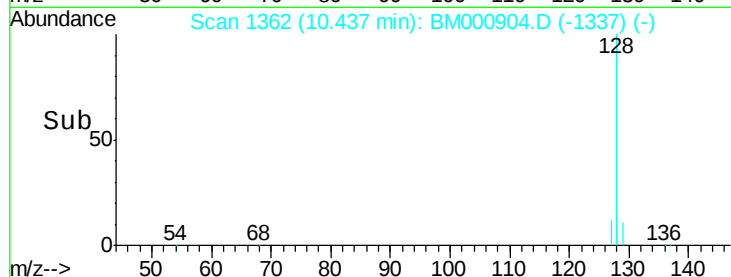
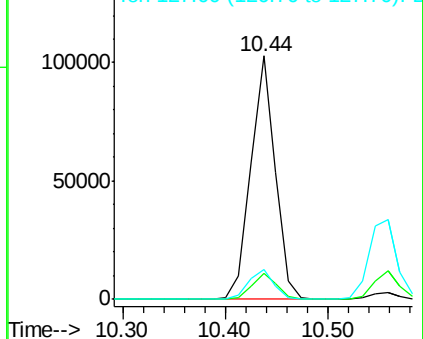
127 12.4 10.0 15.0



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: 7.87 ng

RT: 12.06 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

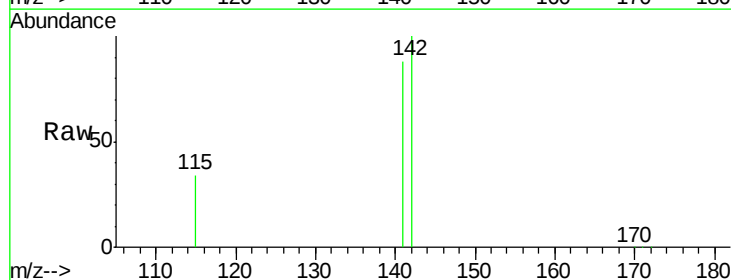
Tgt Ion:142 Resp: 111062

Ion Ratio Lower Upper

142 100

141 88.0 72.3 108.5

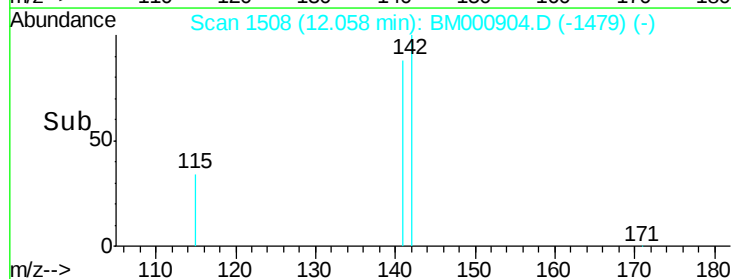
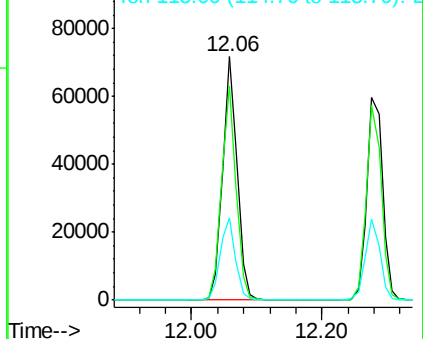
115 34.0 29.5 44.3



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: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

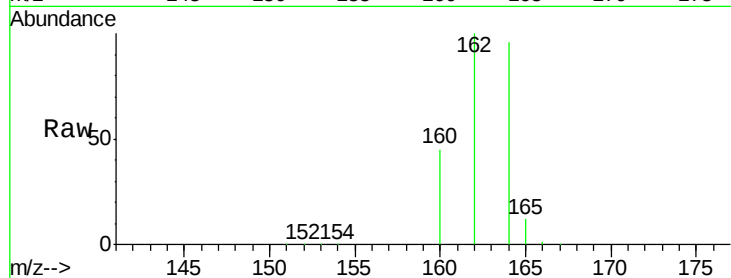
Tgt Ion:164 Resp: 50589

Ion Ratio Lower Upper

164 100

162 104.6 75.4 113.2

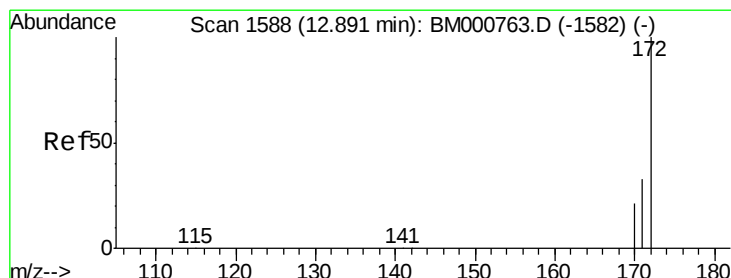
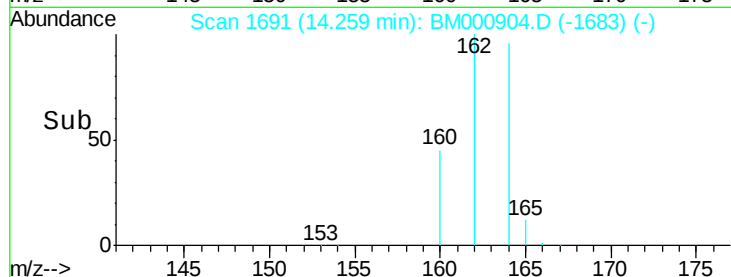
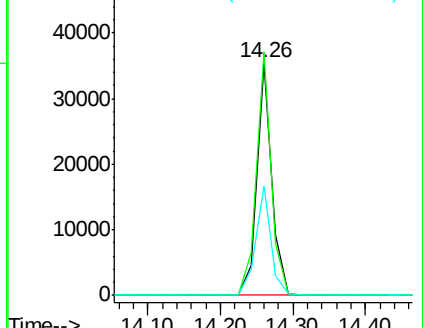
160 47.1 30.8 46.2#



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: 8.78 ng

RT: 12.88 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

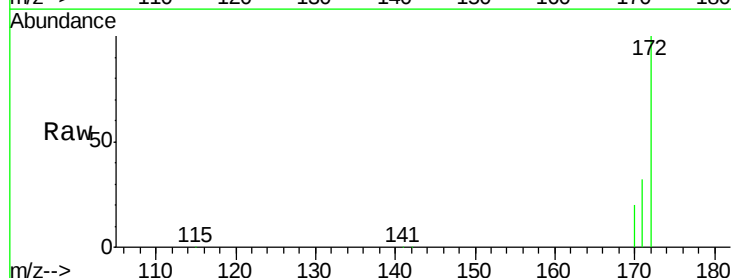
Tgt Ion:172 Resp: 137842

Ion Ratio Lower Upper

172 100

171 32.2 26.6 39.8

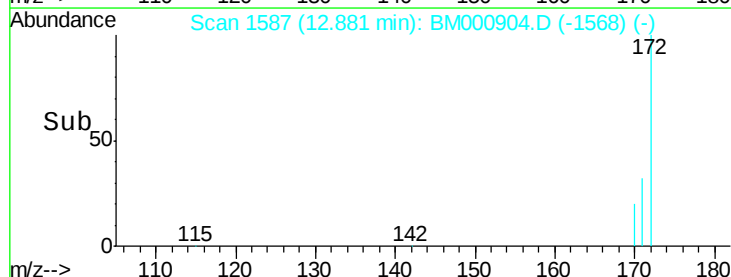
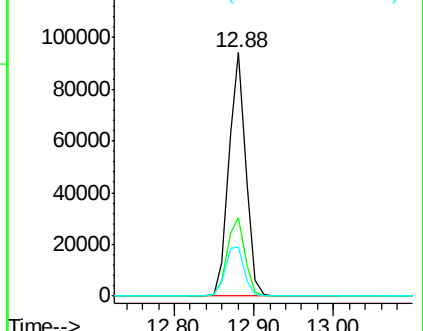
170 20.0 17.1 25.7



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: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

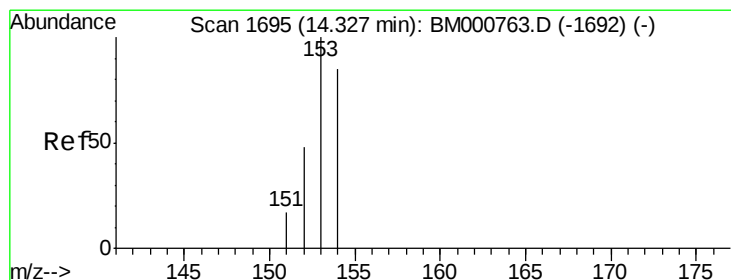
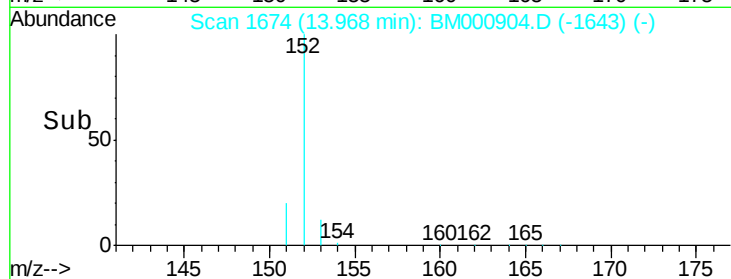
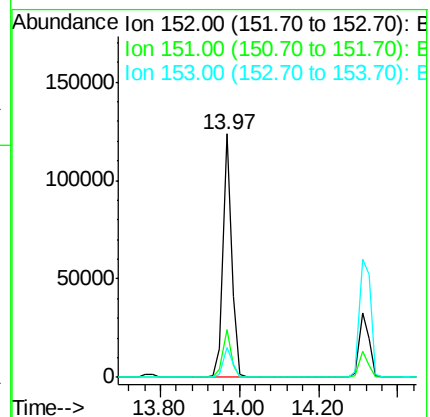
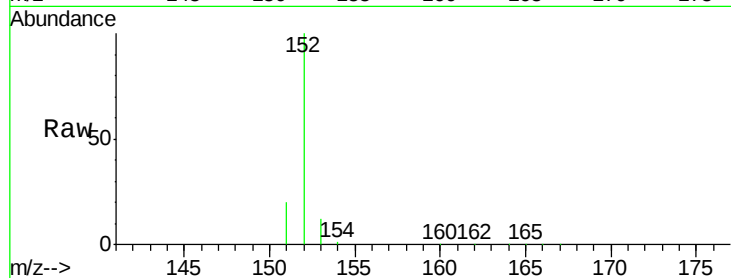
Tgt Ion:152 Resp: 189403

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

153 12.9 10.2 15.4



#11

Acenaphthene

Concen: 7.08 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

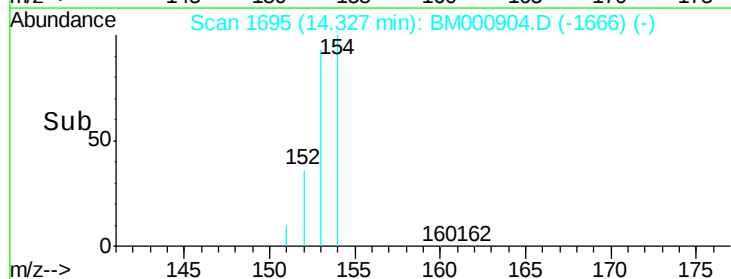
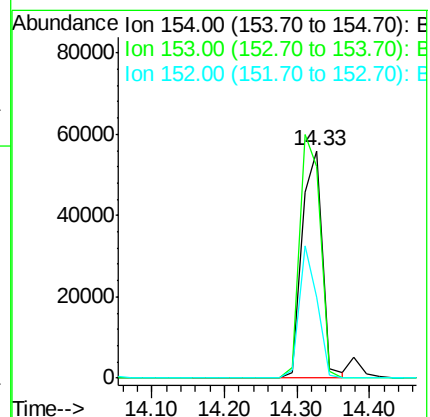
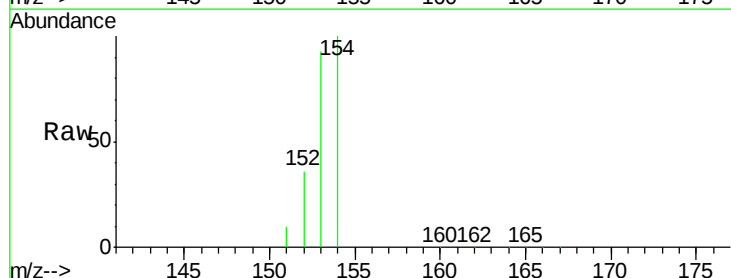
Tgt Ion:154 Resp: 109793

Ion Ratio Lower Upper

154 100

153 109.1 87.3 130.9

152 51.9 43.0 64.6





#12

Fluorene

Concen: 7.92 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

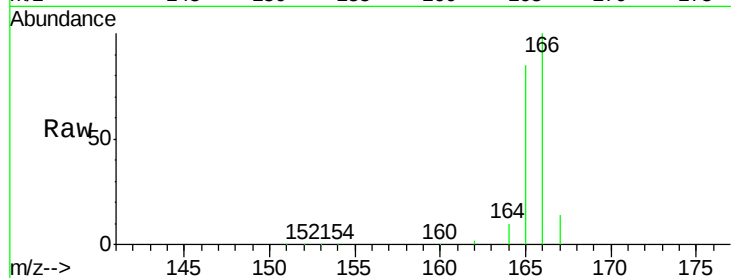
Tgt Ion:166 Resp: 137593

Ion Ratio Lower Upper

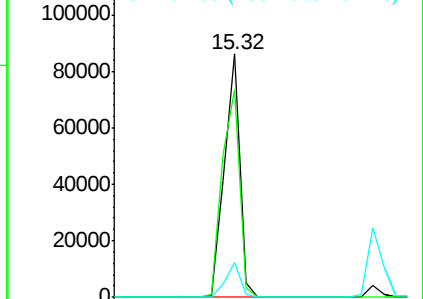
166 100

165 96.3 78.2 117.2

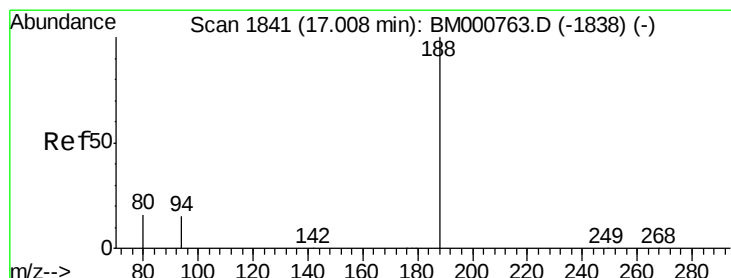
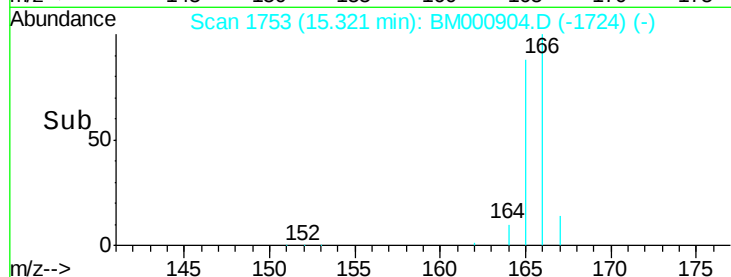
167 13.5 10.7 16.1



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



Time-->



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

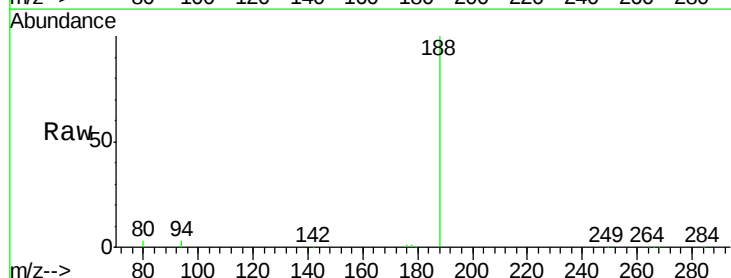
Tgt Ion:188 Resp: 101561

Ion Ratio Lower Upper

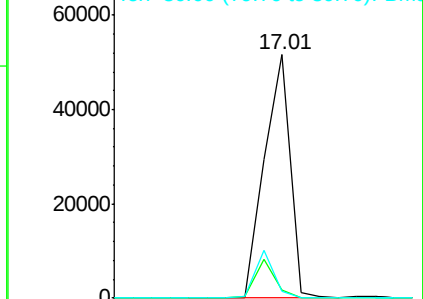
188 100

94 3.4 12.0 18.0#

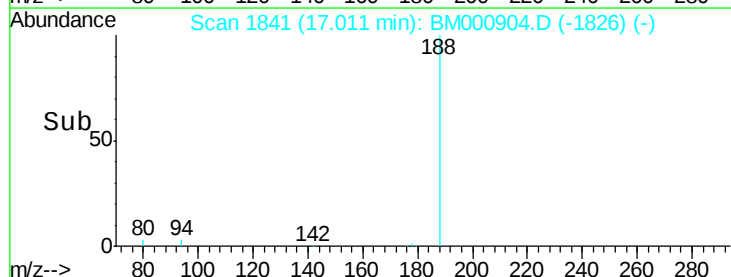
80 2.9 12.8 19.2#

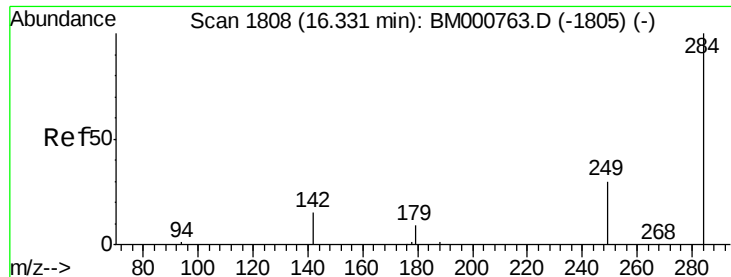


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0



Time-->

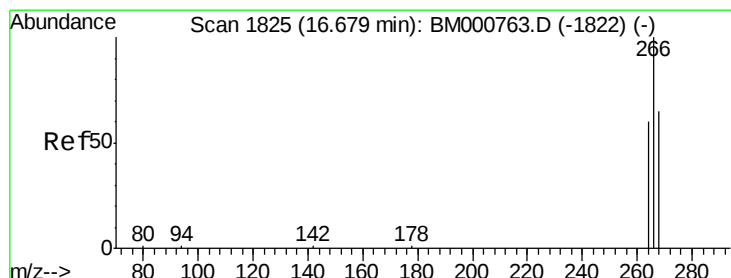
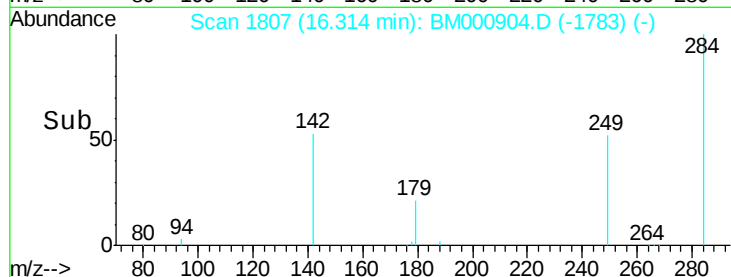
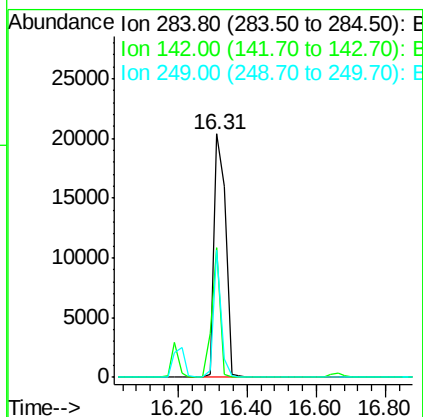
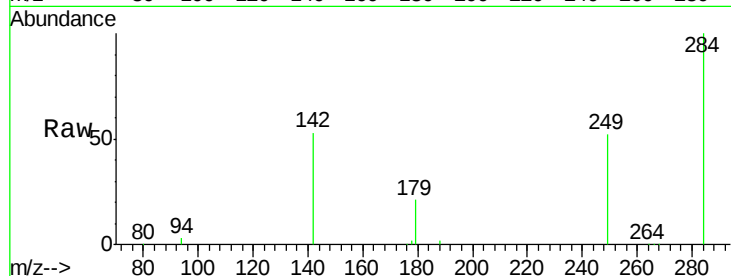




#14
Hexachlorobenzene
Concen: 7.59 ng
RT: 16.31 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

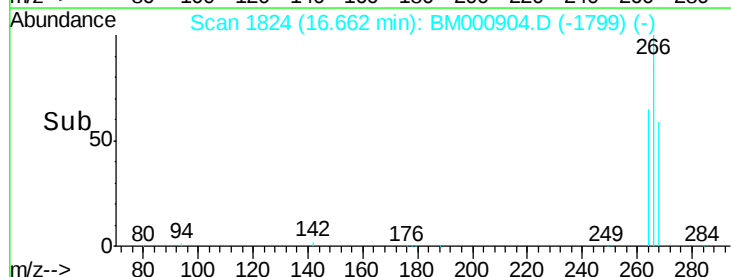
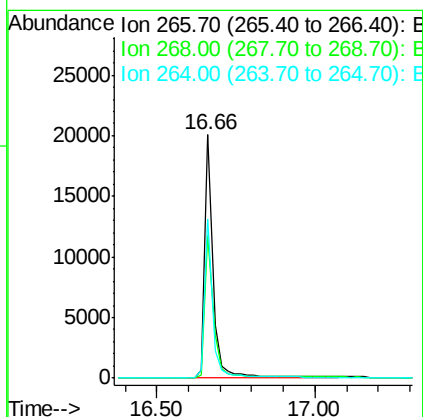
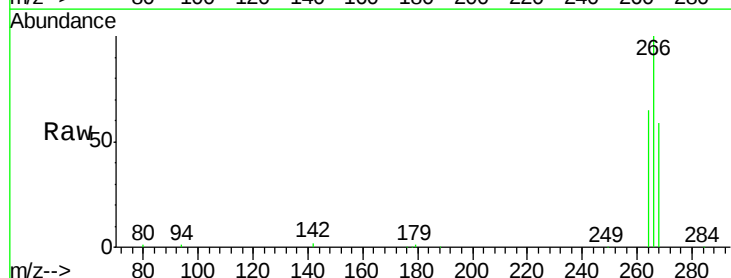
Instrument :
BNA_M
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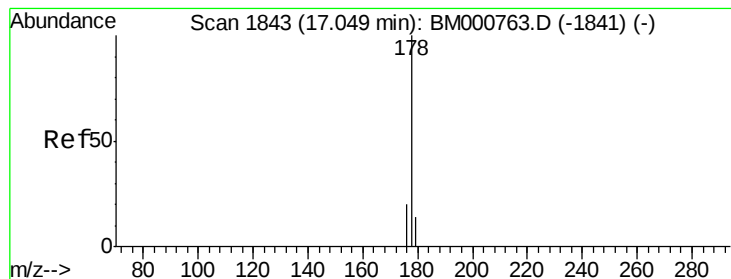
Tgt Ion:284 Resp: 45149
Ion Ratio Lower Upper
284 100
142 40.1 0.0 0.0#
249 34.5 25.2 37.8



#15
Pentachlorophenol
Concen: 11.80 ng
RT: 16.66 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

Tgt Ion:266 Resp: 34831
Ion Ratio Lower Upper
266 100
268 58.7 55.0 82.6
264 65.3 51.0 76.4





#16

Phenanthrene

Concen: 7.92 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.09 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

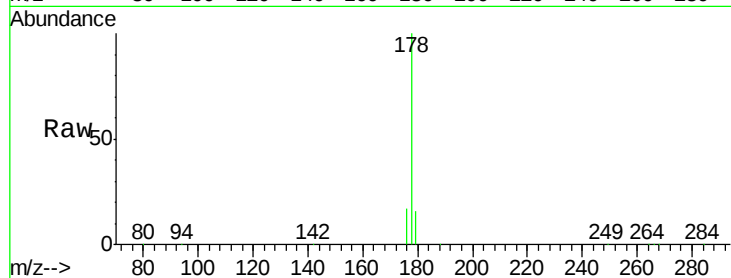
Tgt Ion:178 Resp: 220307

Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

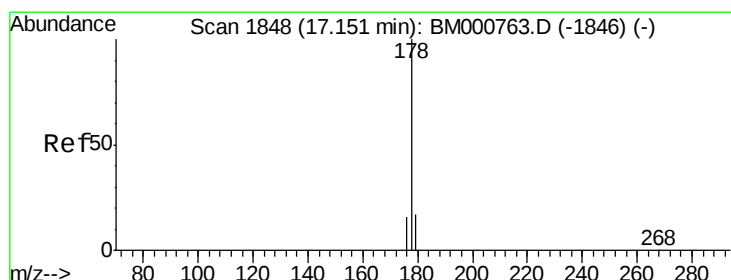
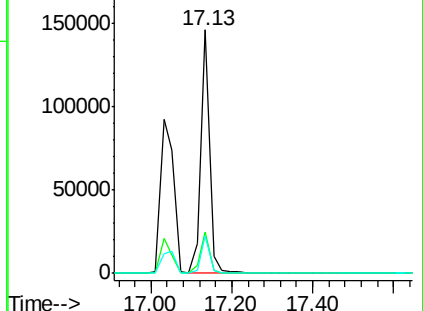
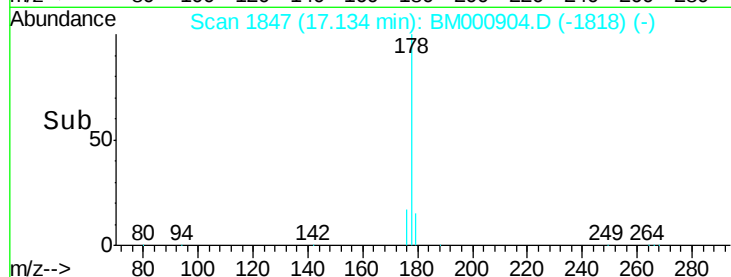
179 15.5 12.2 18.2



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: 9.47 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

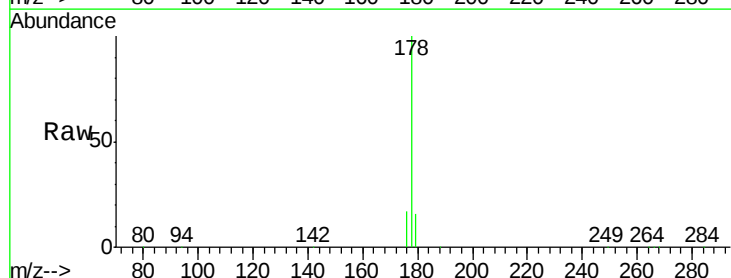
Tgt Ion:178 Resp: 220842

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

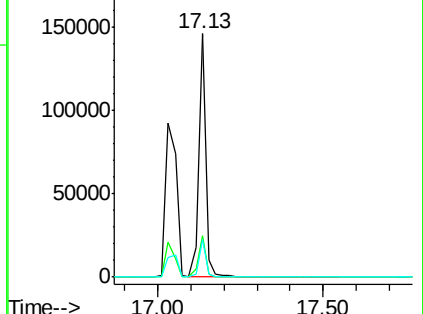
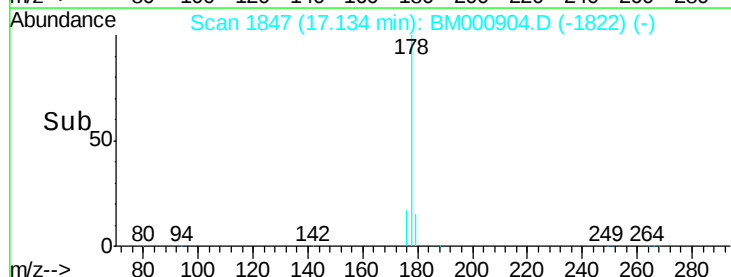
179 15.5 12.2 18.4

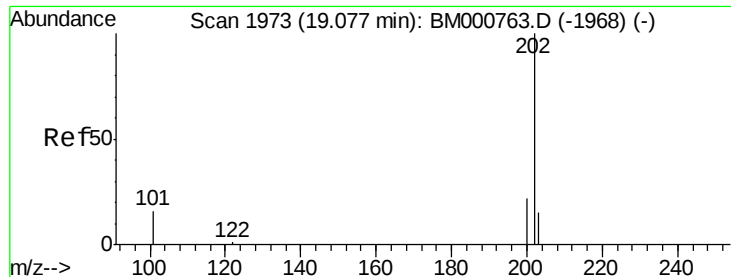


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

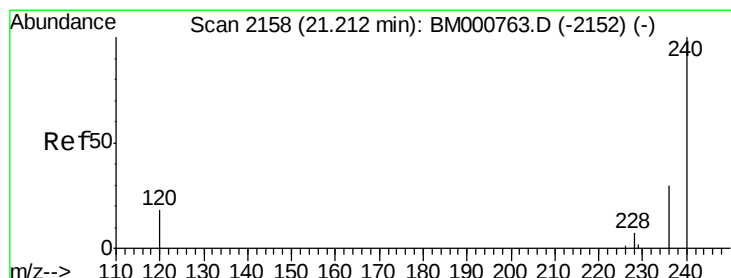
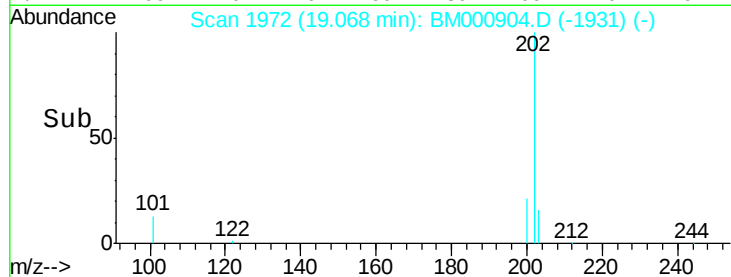
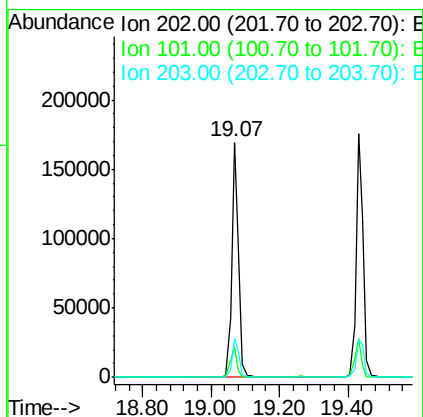
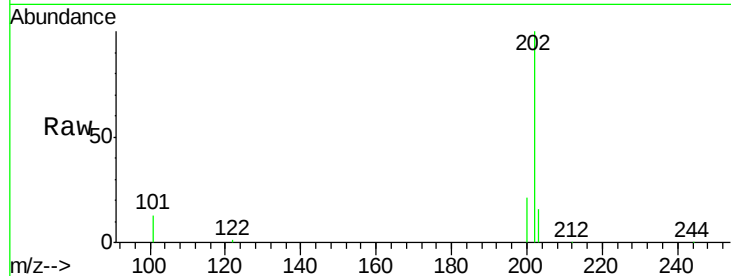




#18
 Fluoranthene
 Concen: 8.50 ng
 RT: 19.07 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000904.D
 Acq: 08 Apr 2015 12:05

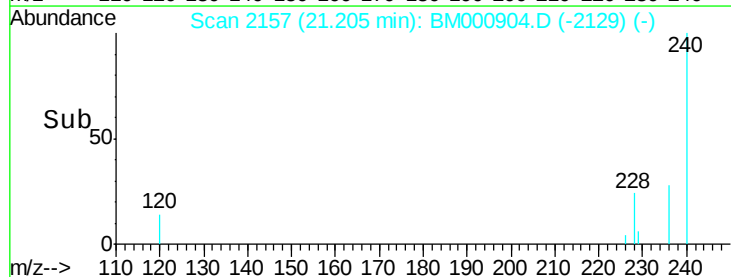
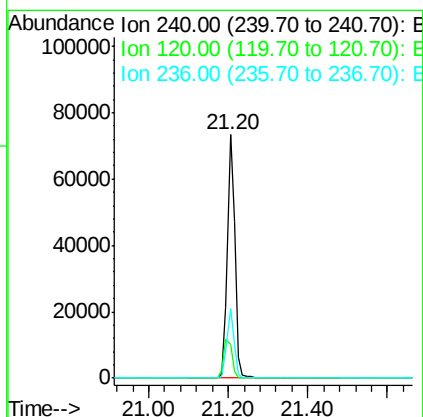
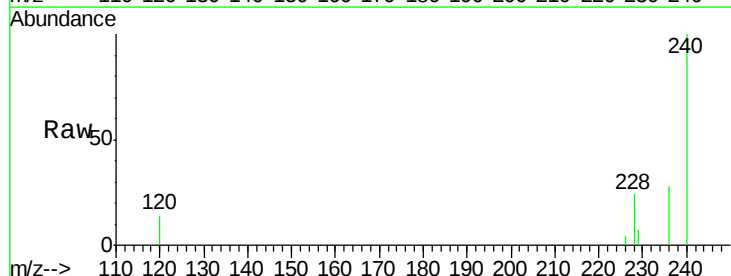
Instrument :
 BNA_M
 ClientSampleId :
 PB82494BS

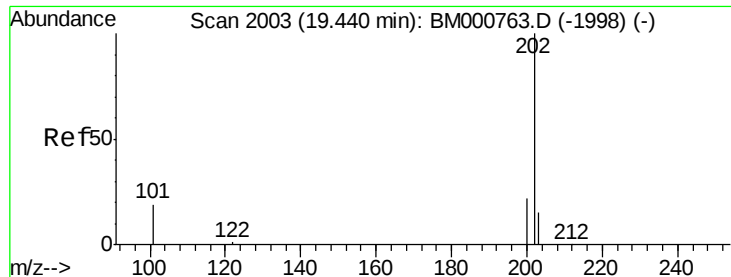
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.5	15.7
203	17.4	13.8	20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000904.D
 Acq: 08 Apr 2015 12:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	14.9	22.3#
236	28.5	24.2	36.4

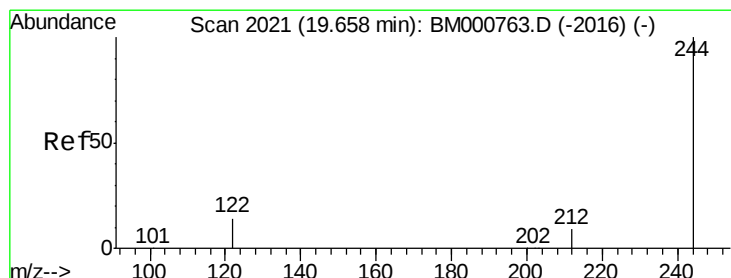
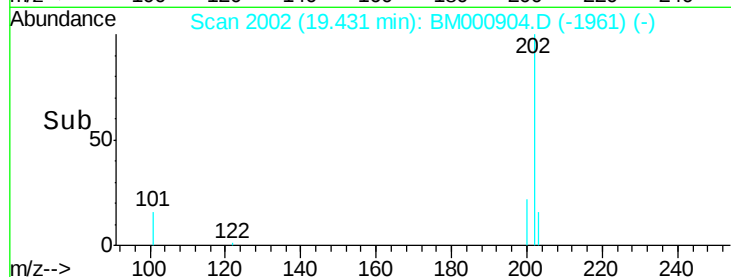
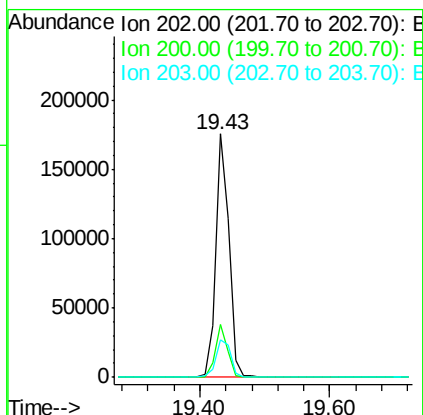
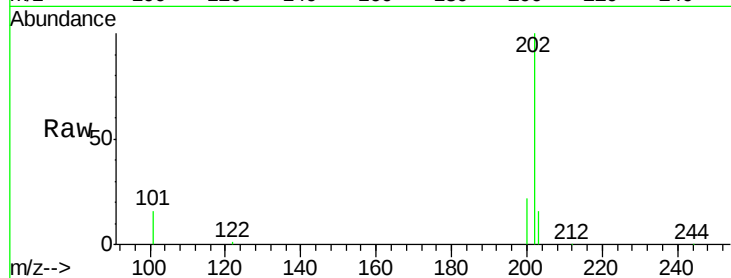




#20
Pyrene
Concen: 8.05 ng
RT: 19.43 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

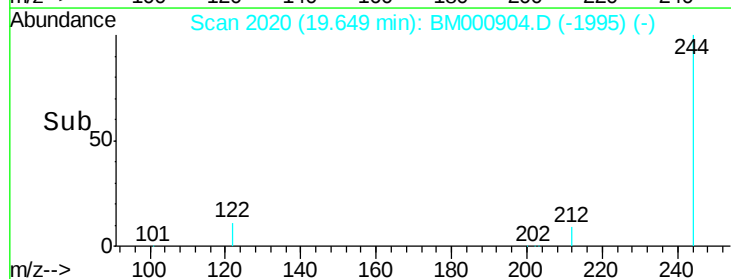
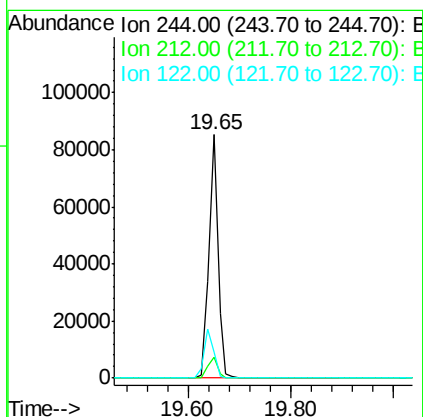
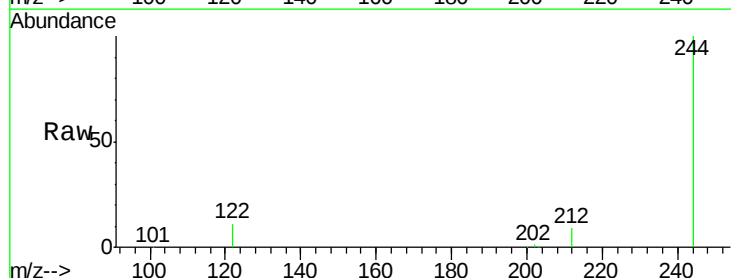
Instrument :
BNA_M
ClientSampleId :
PB82494BS

Tgt Ion: 202 Resp: 250789
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.7 13.9 20.9



#21
Terphenyl-d14
Concen: 9.20 ng
RT: 19.65 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

Tgt Ion: 244 Resp: 105777
Ion Ratio Lower Upper
244 100
212 8.8 7.8 11.6
122 10.8 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 8.05 ng

RT: 21.18 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

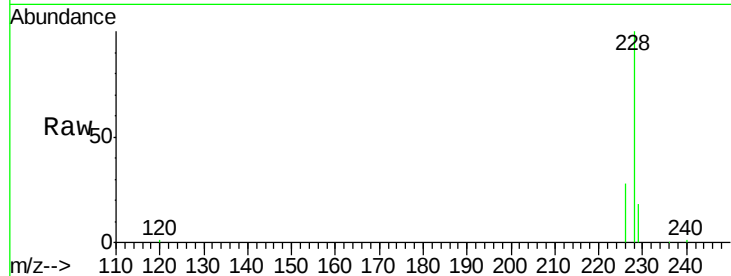
Tgt Ion:228 Resp: 219527

Ion Ratio Lower Upper

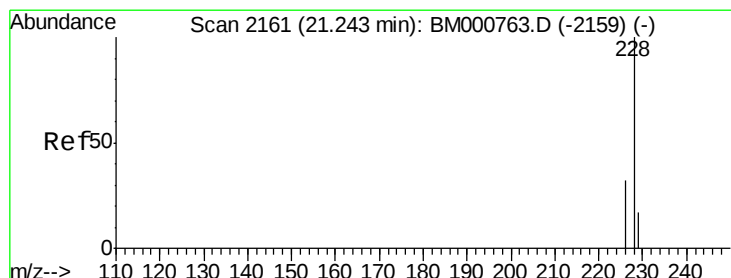
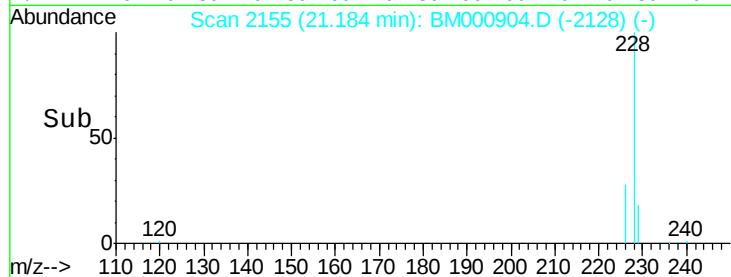
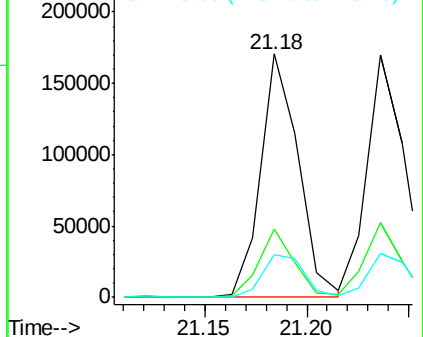
228 100

226 28.2 18.6 27.8#

229 17.7 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: 7.51 ng

RT: 21.24 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

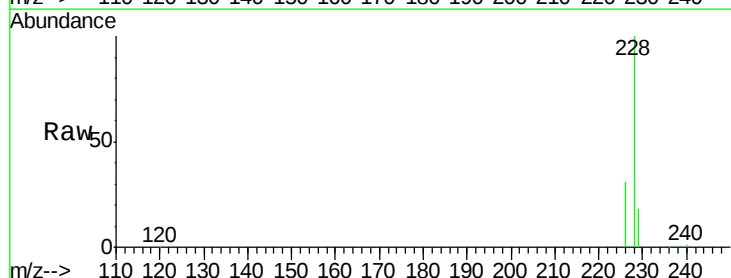
Tgt Ion:228 Resp: 214771

Ion Ratio Lower Upper

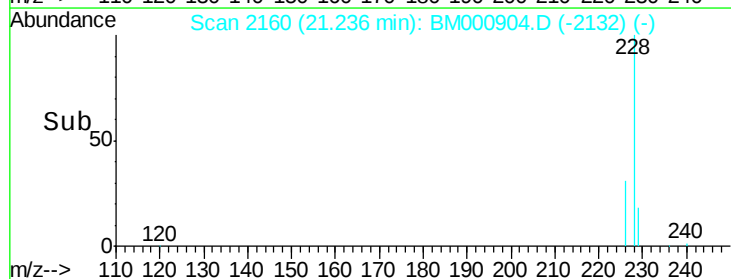
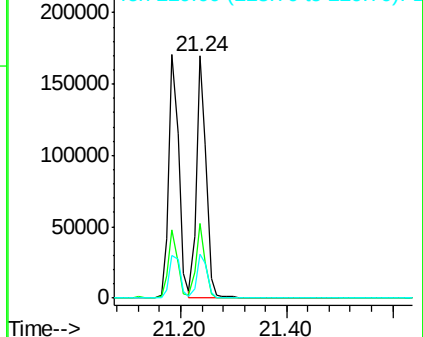
228 100

226 30.9 25.8 38.8

229 17.9 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: 7.43 ng

RT: 25.56 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BM000904.D

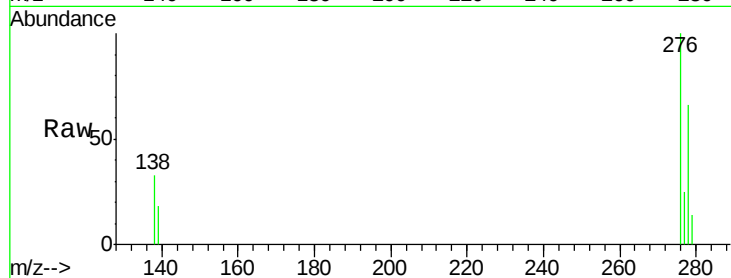
Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS



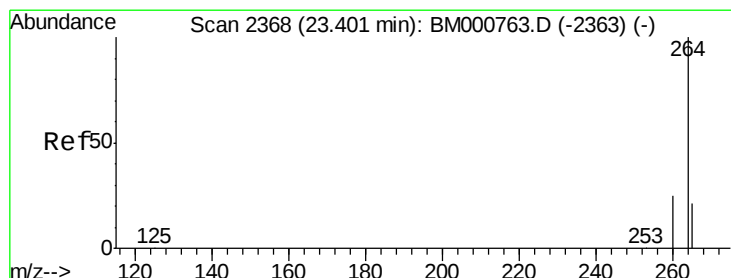
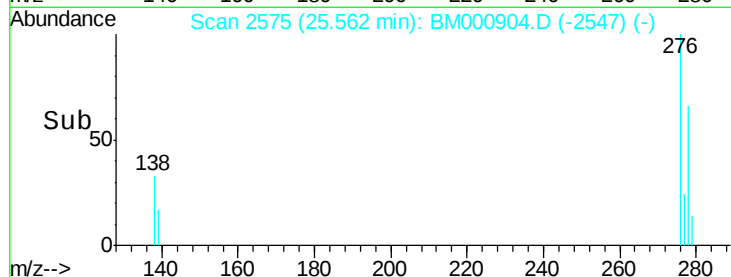
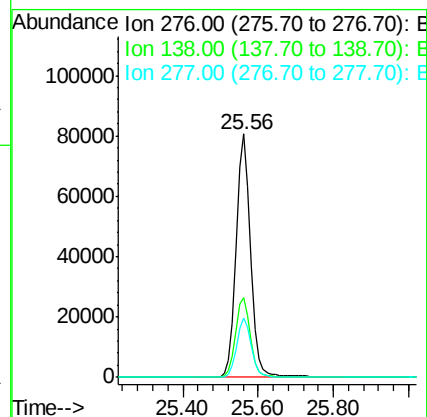
Tgt Ion:276 Resp: 219820

Ion Ratio Lower Upper

276 100

138 33.9 27.4 41.2

277 24.5 19.7 29.5



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.38 min Scan# 2366

Delta R.T. -0.01 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

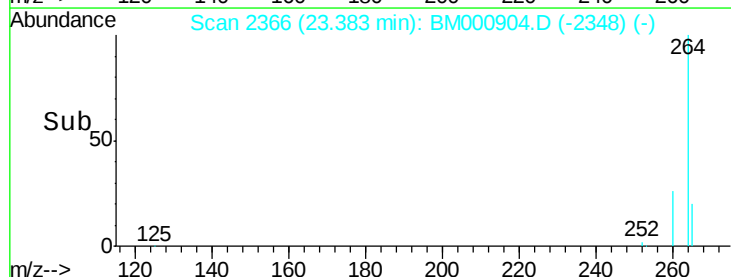
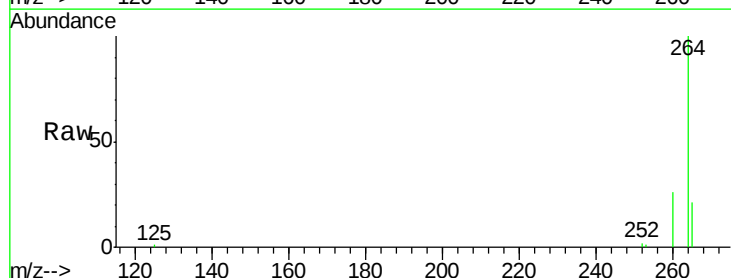
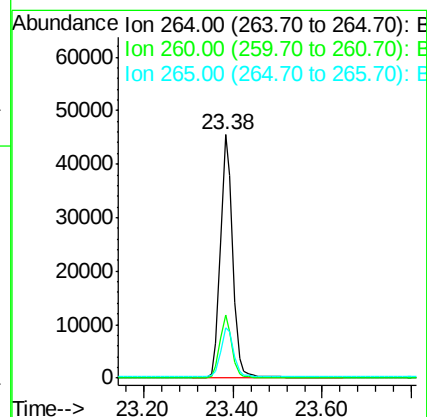
Tgt Ion:264 Resp: 86614

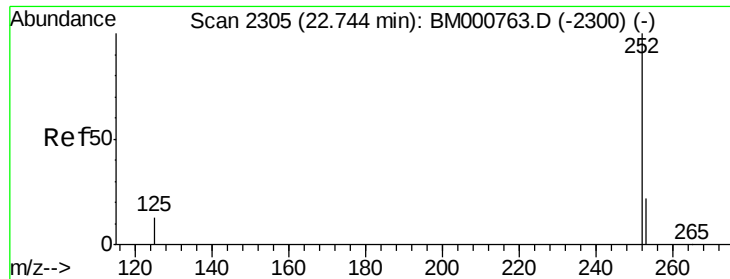
Ion Ratio Lower Upper

264 100

260 25.8 20.1 30.1

265 20.9 17.4 26.0

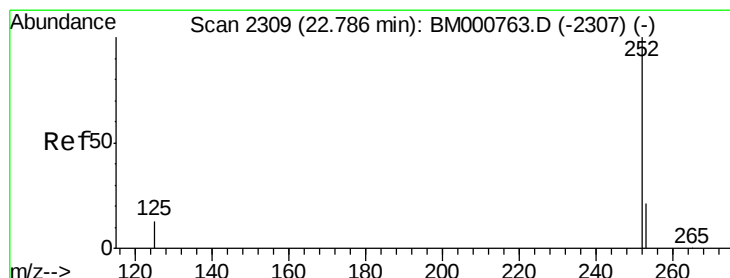
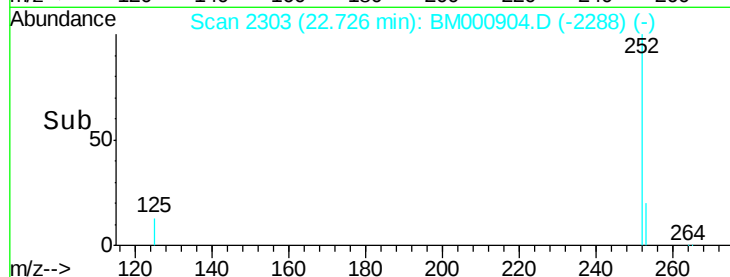
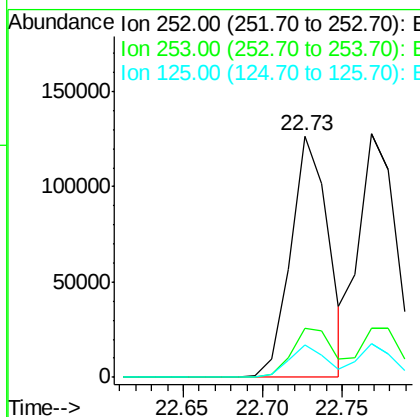
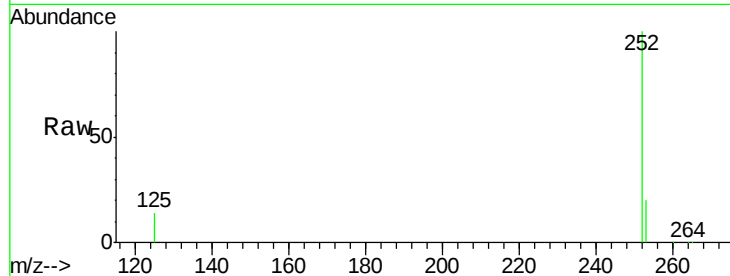




#26
Benzo(b)fluoranthene
Concen: 7.61 ng
RT: 22.73 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

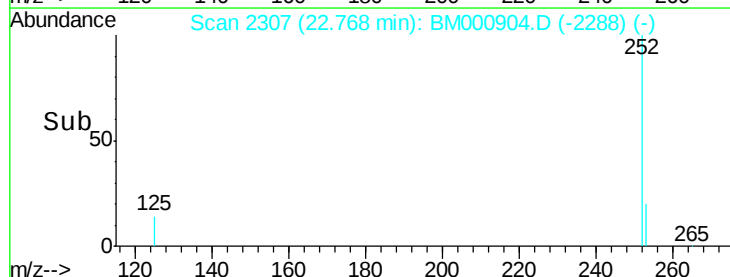
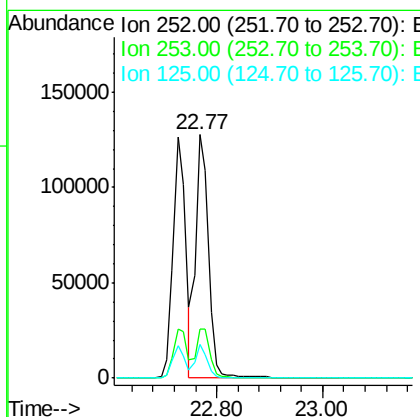
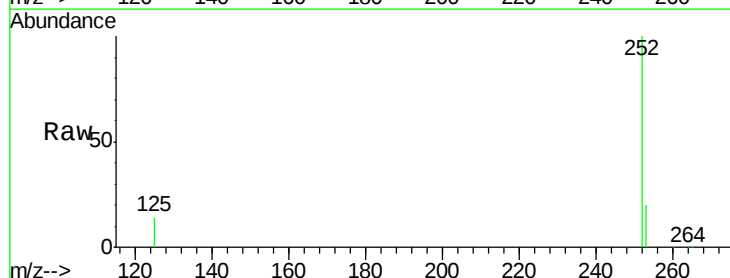
Instrument :
BNA_M
ClientSampleId :
PB82494BS

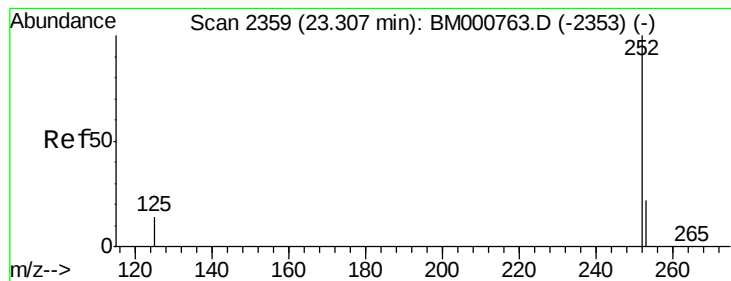
Tgt Ion:252 Resp: 207714
Ion Ratio Lower Upper
252 100
253 20.5 18.5 27.7
125 13.5 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 8.15 ng
RT: 22.77 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BM000904.D
Acq: 08 Apr 2015 12:05

Tgt Ion:252 Resp: 213404
Ion Ratio Lower Upper
252 100
253 20.2 17.9 26.9
125 13.8 10.8 16.2





#28

Benzo(a)pyrene

Concen: 8.43 ng

RT: 23.29 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS

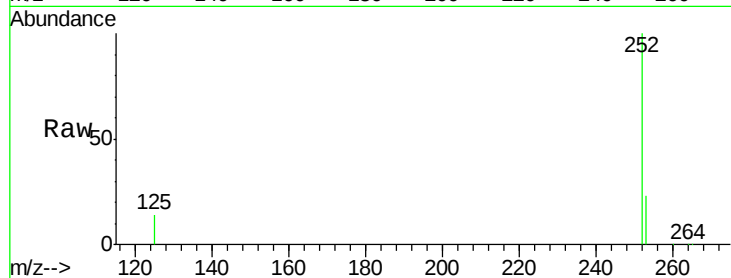
Tgt Ion:252 Resp: 197478

Ion Ratio Lower Upper

252 100

253 22.8 19.4 29.2

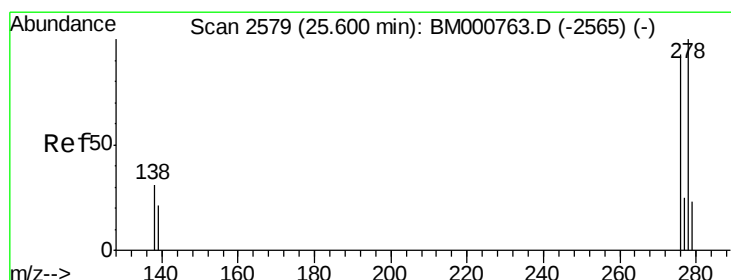
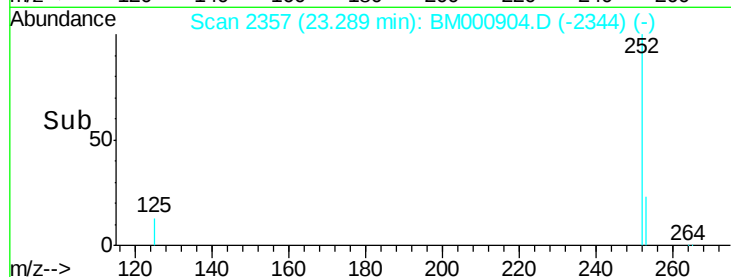
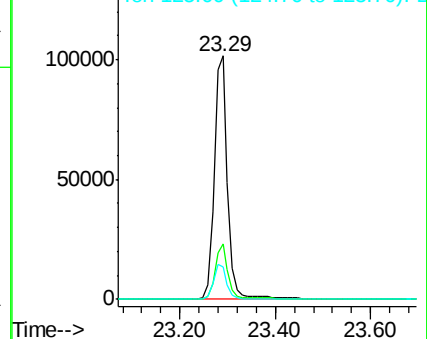
125 13.5 11.5 17.3



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: 7.62 ng

RT: 25.57 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM000904.D

Acq: 08 Apr 2015 12:05

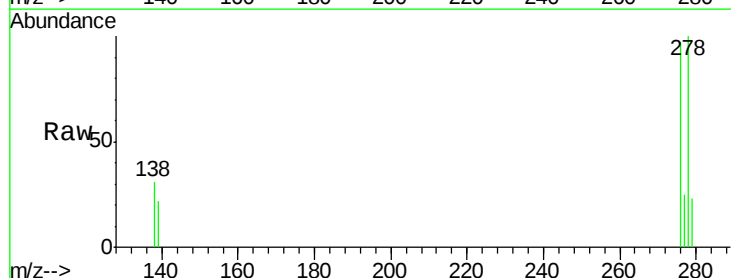
Tgt Ion:278 Resp: 176294

Ion Ratio Lower Upper

278 100

139 22.0 17.8 26.6

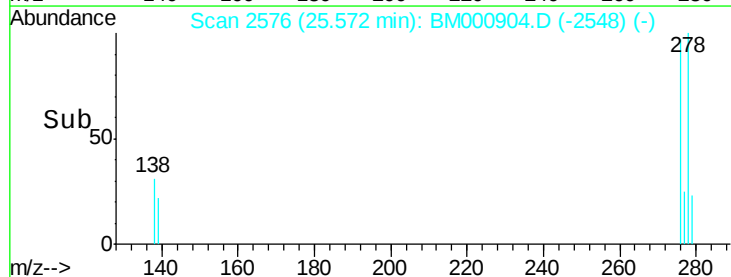
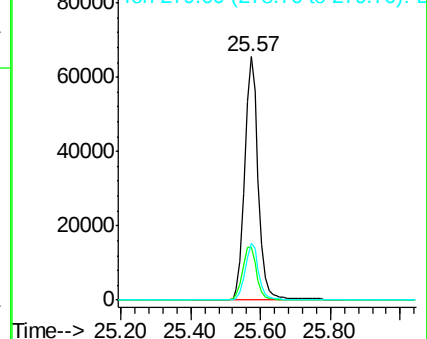
279 23.1 19.3 28.9



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: 7.60 ng

RT: 26.23 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BM000904.D

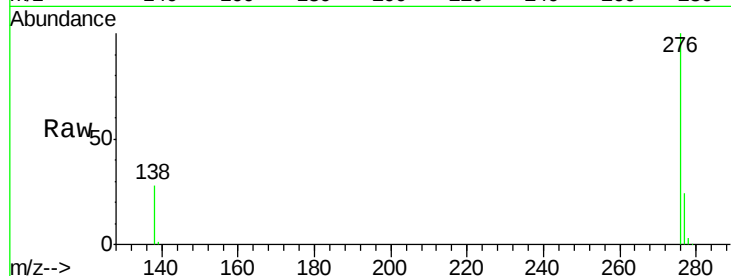
Acq: 08 Apr 2015 12:05

Instrument :

BNA_M

ClientSampleId :

PB82494BS



Tgt Ion: 276 Resp: 189587

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 28.2 23.1 34.7

