

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000783.D
 Acq On : 01 Apr 2015 12:33
 Operator : TP/IZ
 Sample : MDL-03-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:27:05 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 04:17:30 2015
 Response via : Initial Calibration

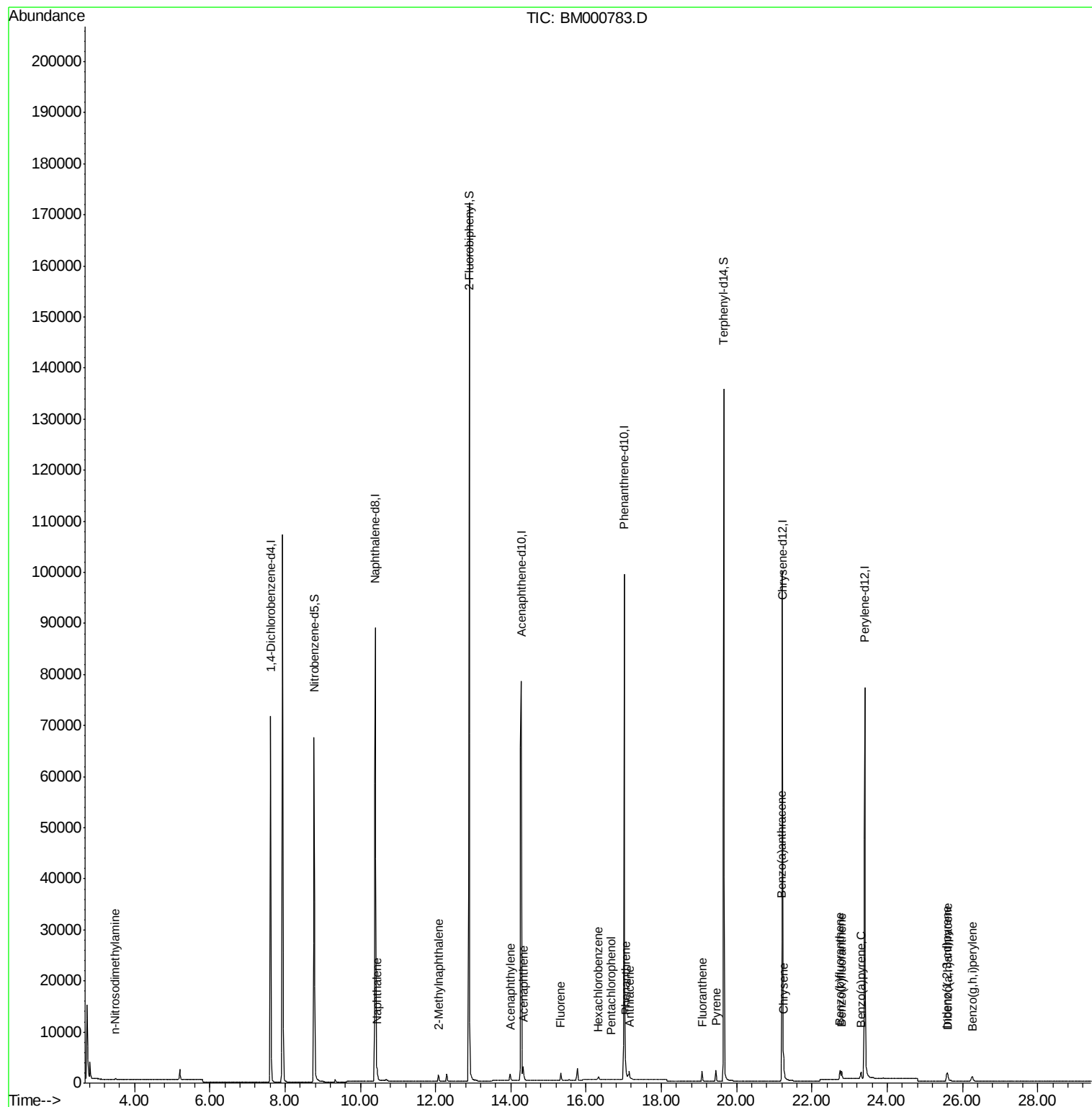
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	35890	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	122517	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	58865	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128903	5.00	ng	0.00
19) Chrysene-d12	21.22	240	104628	5.00	ng	0.01
25) Perylene-d12	23.40	264	97772	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	58593	7.80	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	177047	9.70	ng	0.00
21) Terphenyl-d14	19.66	244	134292	10.67	ng	0.00
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.49	42	148	0.19	ng	# 87
6) Naphthalene	10.45	128	2116	0.07	ng	# 91
7) 2-Methylnaphthalene	12.08	142	1252	0.07	ng	96
10) Acenaphthylene	13.98	152	1619	0.06	ng	99
11) Acenaphthene	14.33	154	1273	0.07	ng	98
12) Fluorene	15.32	166	1472	0.07	ng	99
14) Hexachlorobenzene	16.33	284	587	0.08	ng	# 95
15) Pentachlorophenol	16.66	266	12	0.37	ng	# 58
16) Phenanthrene	17.05	178	2673	0.08	ng	96
17) Anthracene	17.15	178	2084	0.07	ng	98
18) Fluoranthene	19.09	202	2411	0.07	ng	99
20) Pyrene	19.45	202	2517	0.07	ng	98
22) Benzo(a)anthracene	21.20	228	2353	0.08	ng	96
23) Chrysene	21.25	228	2657	0.08	ng	# 90
24) Indeno(1,2,3-cd)pyrene	25.59	276	2414	0.07	ng	97
26) Benzo(b)fluoranthene	22.74	252	2149	0.07	ng	# 77
27) Benzo(k)fluoranthene	22.79	252	2413	0.08	ng	# 75
28) Benzo(a)pyrene	23.31	252	1939	0.07	ng	# 70
29) Dibenzo(a,h)anthracene	25.61	278	1893	0.07	ng	# 79
30) Benzo(a,h,i)perylene	26.26	276	2232	0.08	ng	# 87

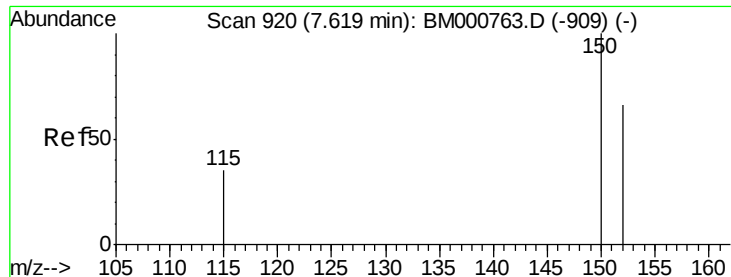
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampled :

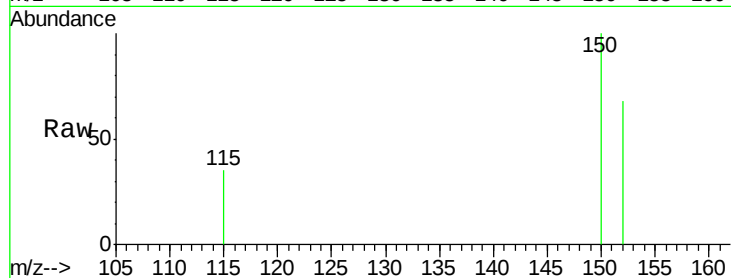
Tot Ion:152 Resp: 35890

Ion Ratio Lower Upper

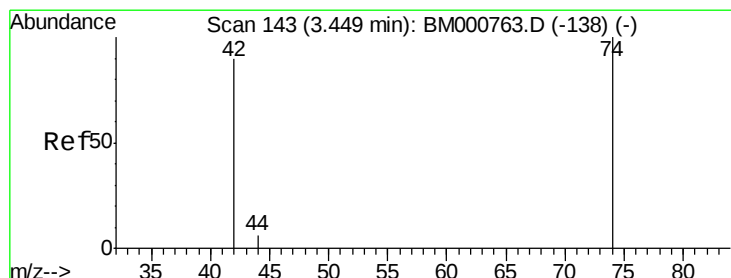
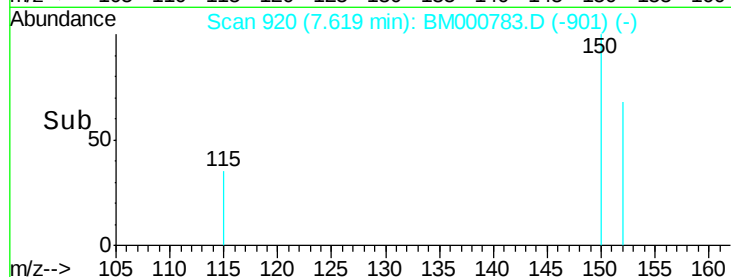
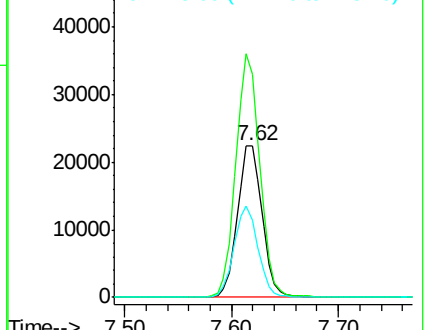
152 100

150 147.1 120.8 181.2

115 50.9 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: 0.19 ng

RT: 3.49 min Scan# 151

Delta R.T. 0.04 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

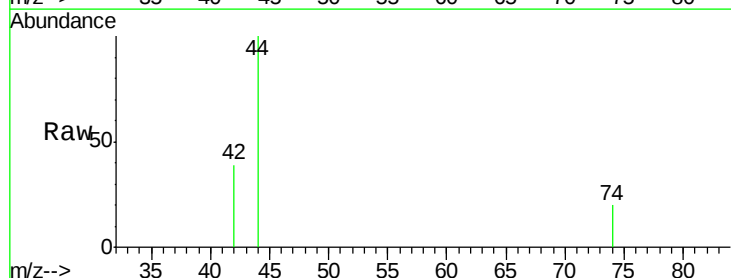
Tgt Ion: 42 Resp: 148

Ion Ratio Lower Upper

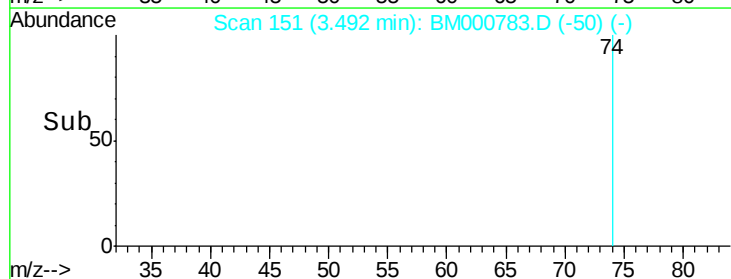
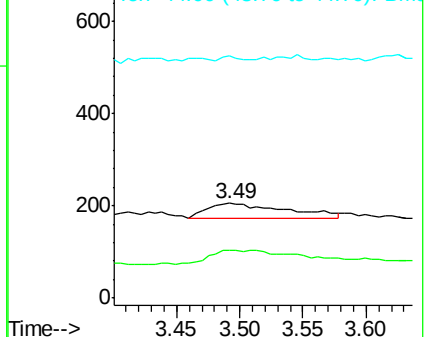
42 100

74 102.0 93.6 140.4

44 4.7 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: 10.40 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BM000783.D

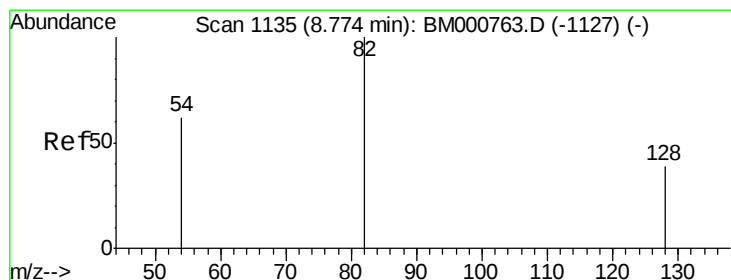
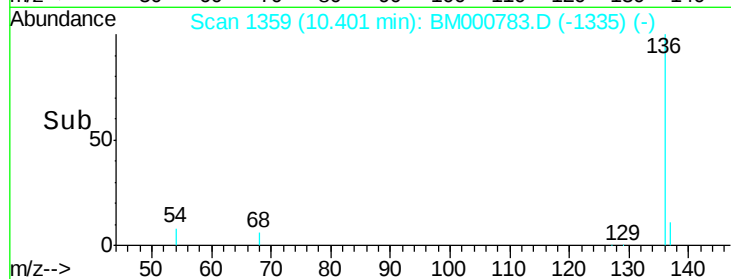
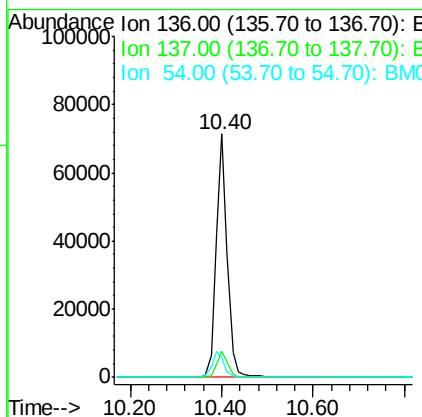
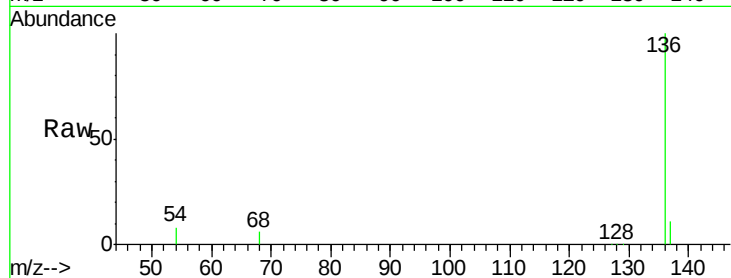
Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136	Resp:	122517
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 12.8
54	8.1	7.0 10.6



#5

Nitrobenzene-d5

Concen: 7.80 ng

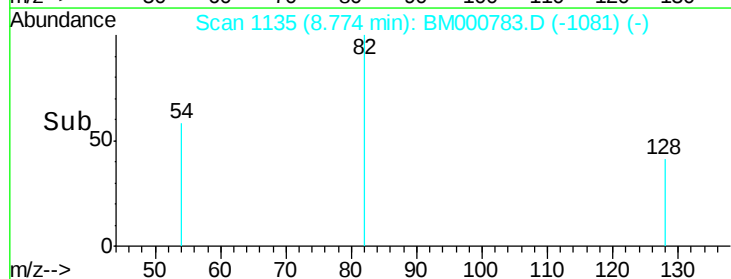
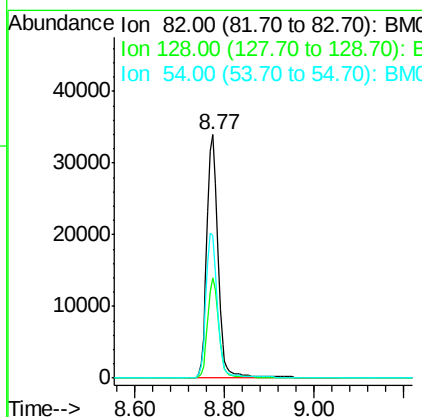
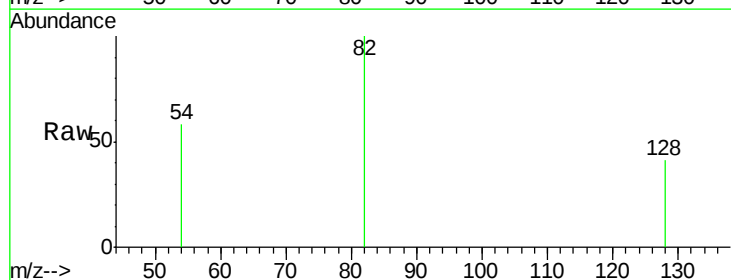
RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Tgt Ion: 82	Resp:	58593
Ion Ratio	Lower	Upper
82	100	
128	41.0	32.2 48.2
54	58.5	50.2 75.4





#6

Naphthalene

Concen: 0.07 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

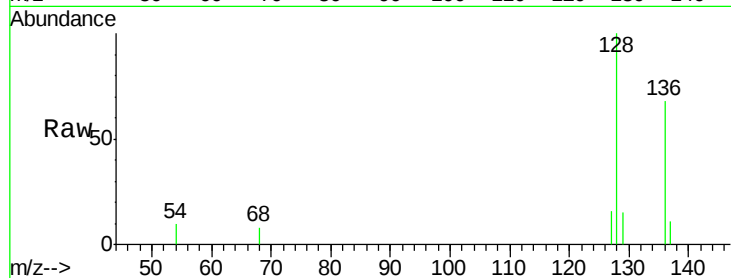
Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :



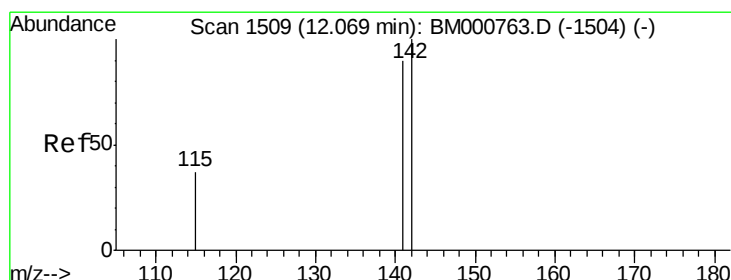
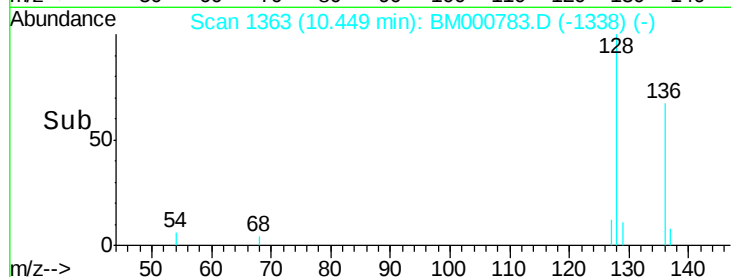
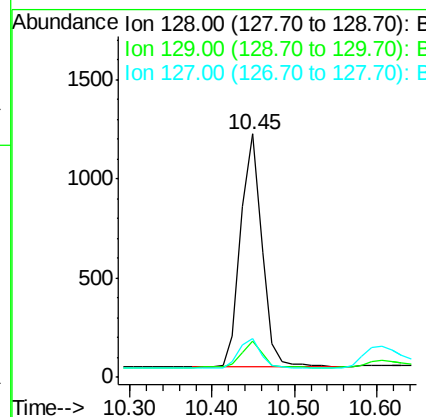
Tot Ion:128 Resp: 2116

Ion Ratio Lower Upper

128 100

129 14.9 8.9 13.3#

127 15.7 10.0 15.0#



#7

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

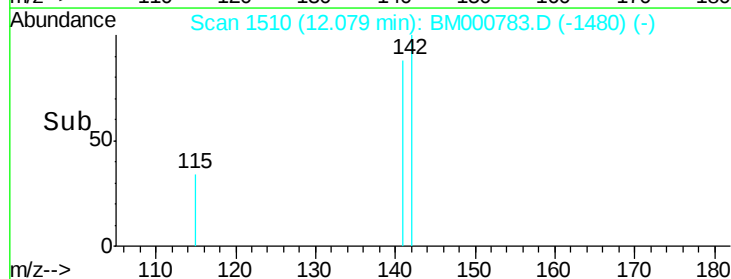
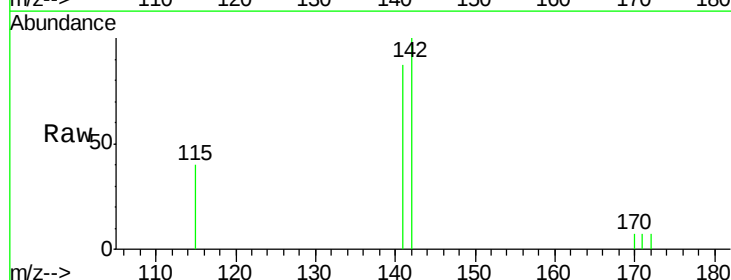
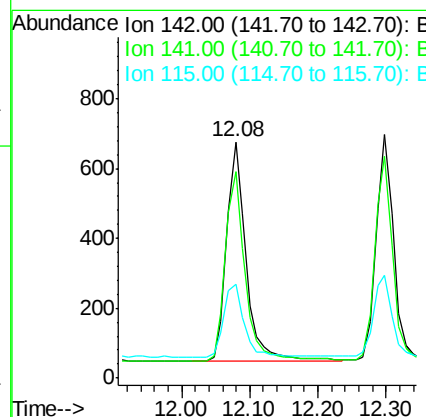
Tgt Ion:142 Resp: 1252

Ion Ratio Lower Upper

142 100

141 87.3 72.3 108.5

115 39.6 29.5 44.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.28 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

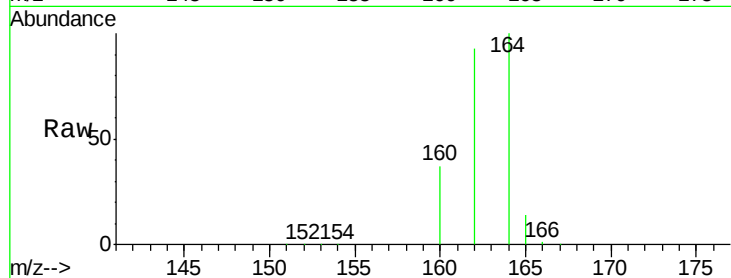
Tot Ion:164 Resp: 58865

Ion Ratio Lower Upper

164 100

162 92.6 75.4 113.2

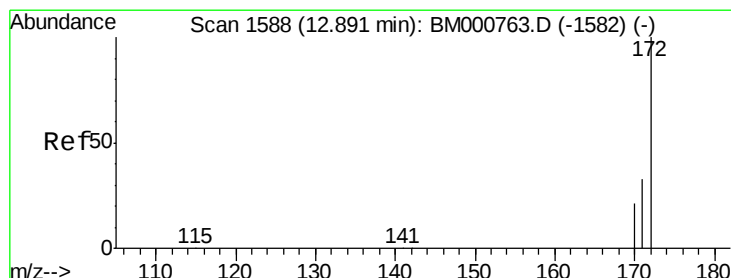
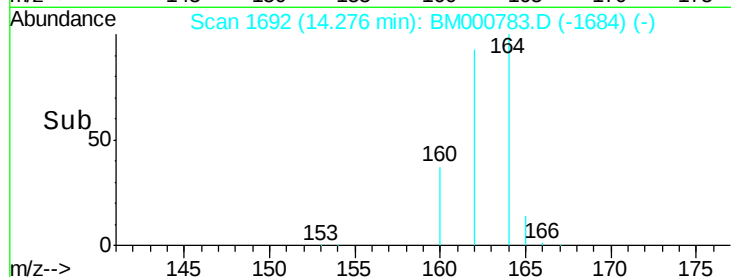
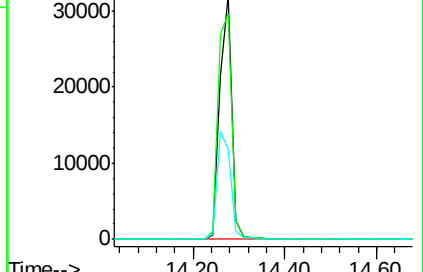
160 37.1 30.8 46.2



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: 9.70 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

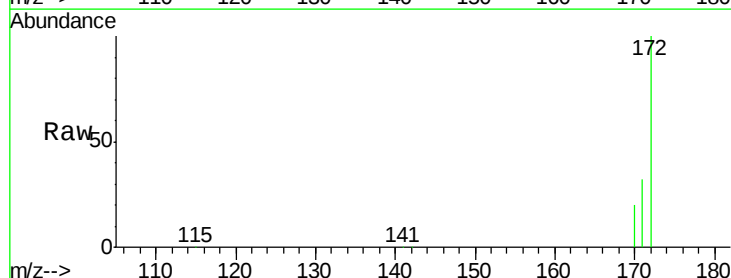
Tgt Ion:172 Resp: 177047

Ion Ratio Lower Upper

172 100

171 31.8 26.6 39.8

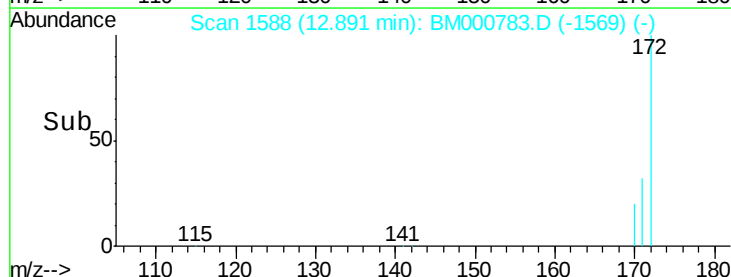
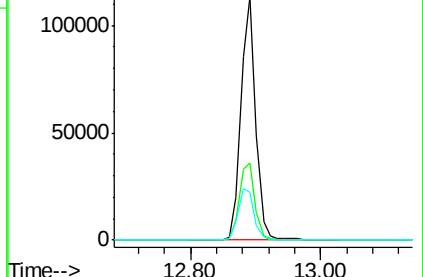
170 19.7 17.1 25.7



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: 0.06 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

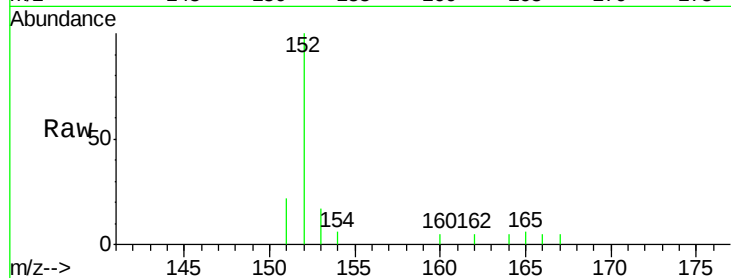
Tot Ion:152 Resp: 1619

Ion Ratio Lower Upper

152 100

151 18.5 15.1 22.7

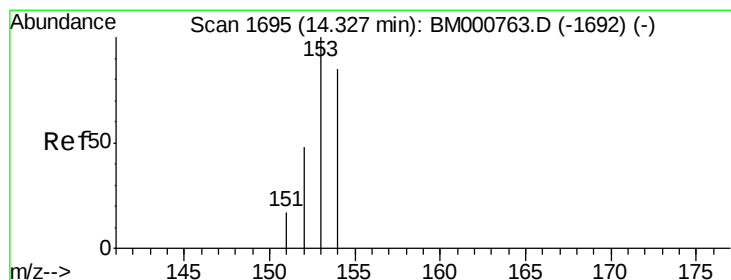
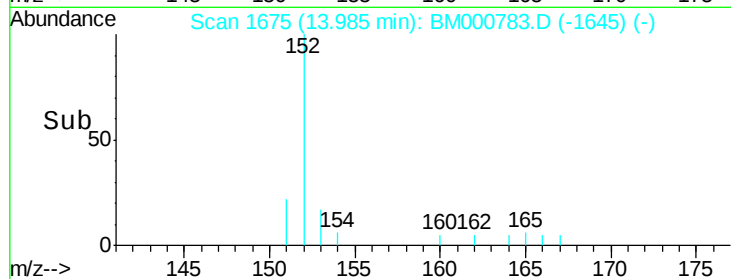
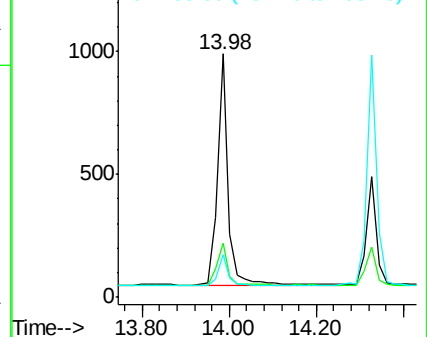
153 12.4 10.2 15.4



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: 0.07 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

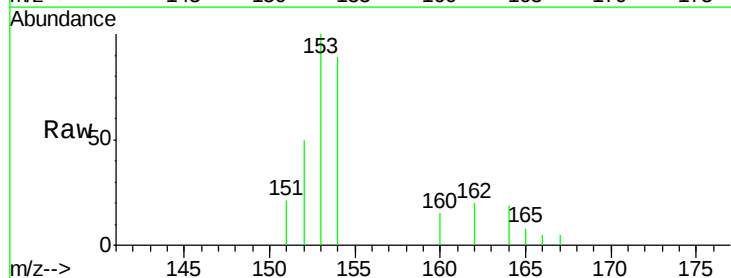
Tgt Ion:154 Resp: 1273

Ion Ratio Lower Upper

154 100

153 111.3 87.3 130.9

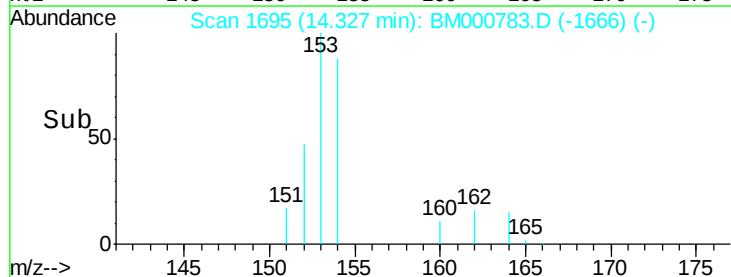
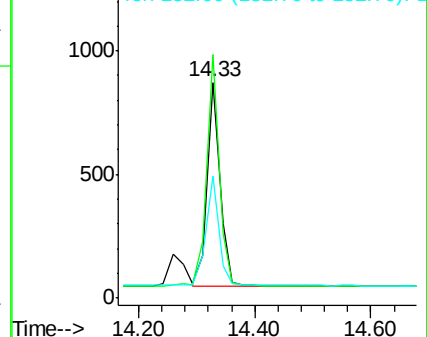
152 53.0 43.0 64.6



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: 0.07 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

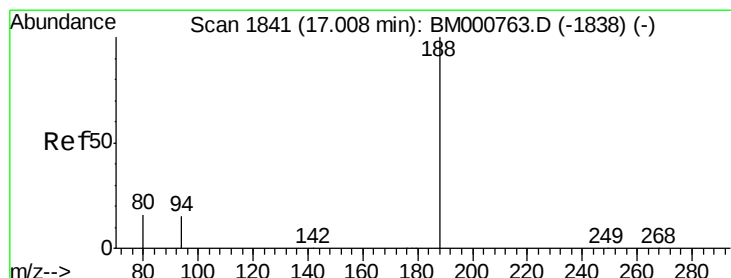
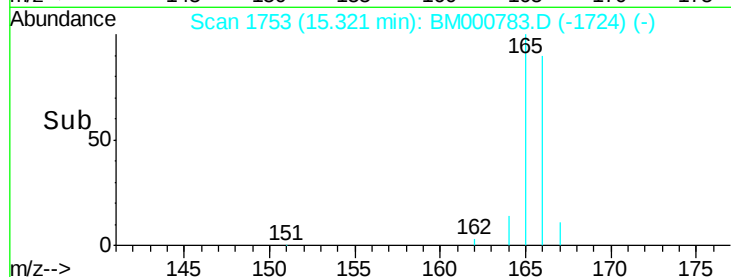
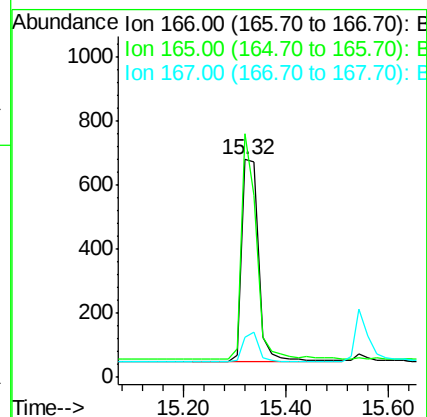
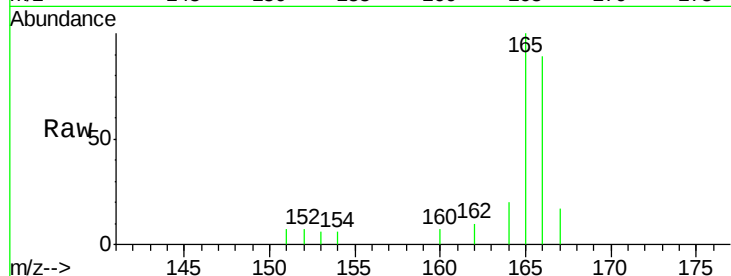
Tot Ion:166 Resp: 1472

Ion Ratio Lower Upper

166 100

165 98.5 78.2 117.2

167 13.8 10.7 16.1



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

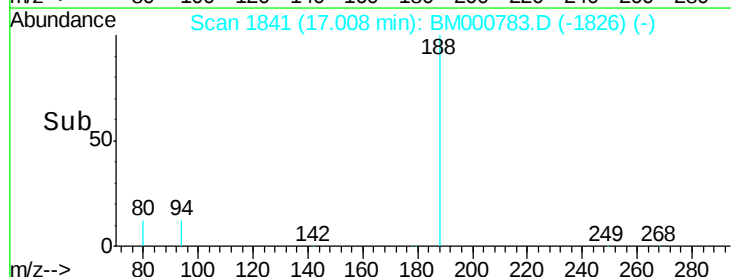
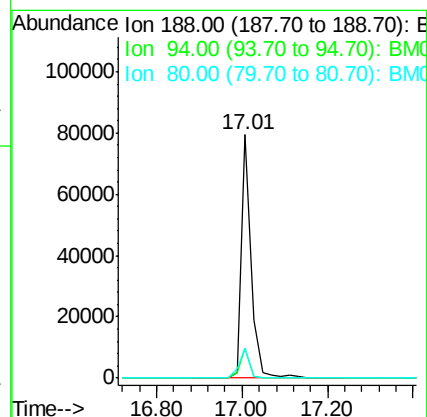
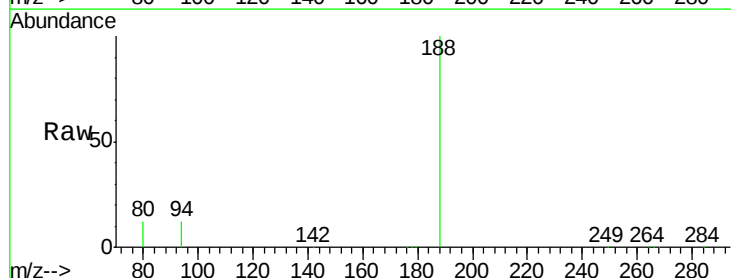
Tgt Ion:188 Resp: 128903

Ion Ratio Lower Upper

188 100

94 12.1 12.0 18.0

80 12.4 12.8 19.2#

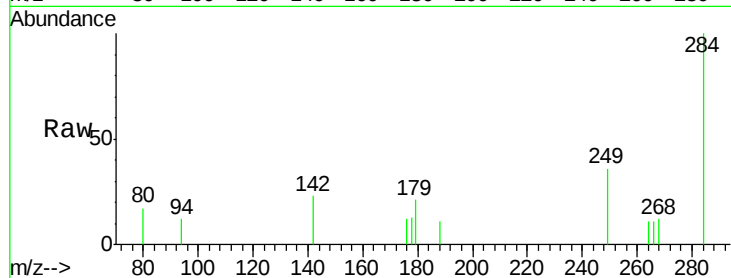




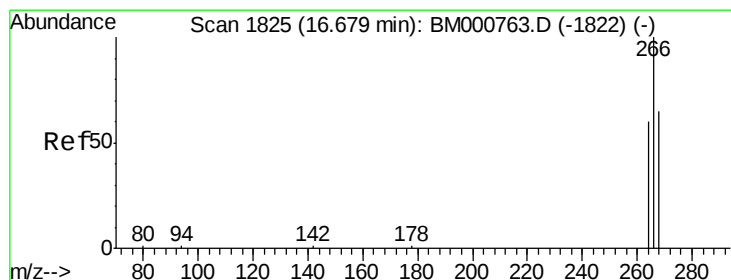
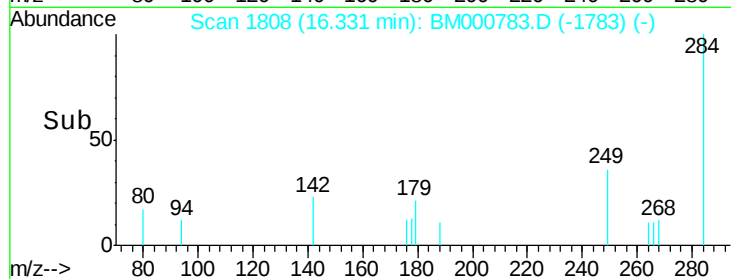
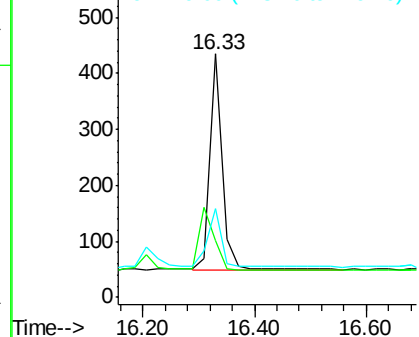
#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion:284 Resp: 587
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 28.8 25.2 37.8

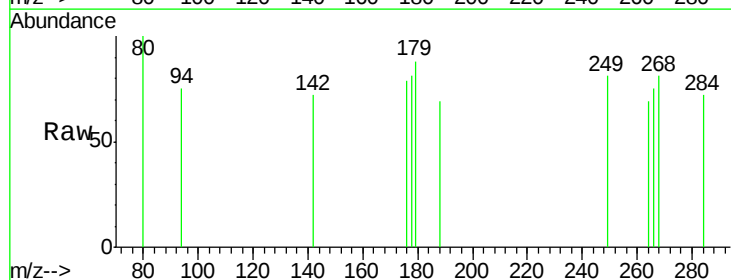


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

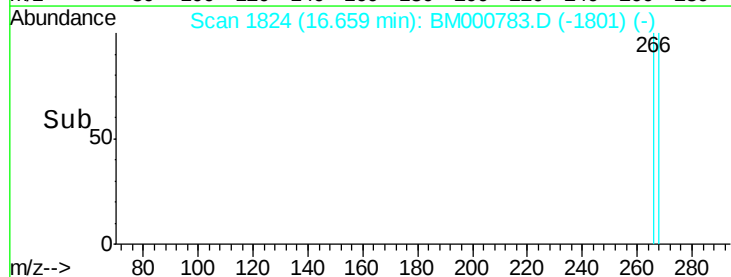
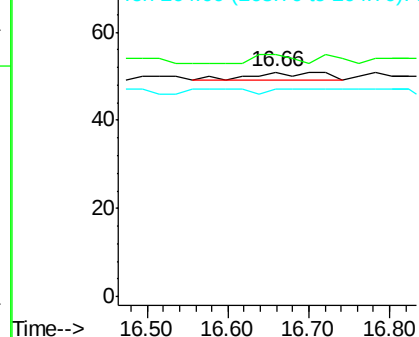


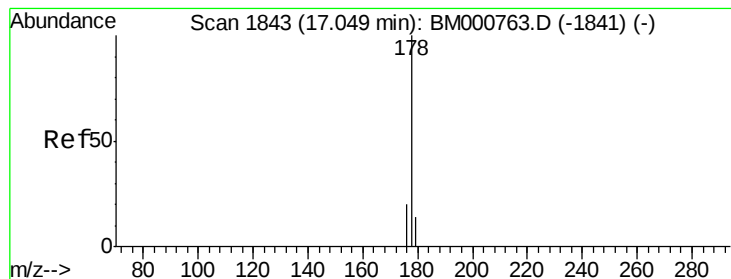
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

Tgt Ion:266 Resp: 12
Ion Ratio Lower Upper
266 100
268 107.8 55.0 82.6#
264 92.2 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: 0.08 ng

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

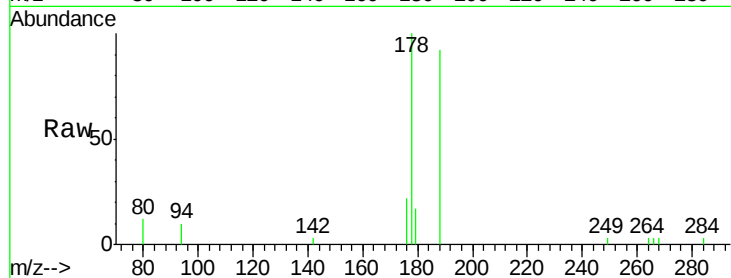
Tot Ion:178 Resp: 2673

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

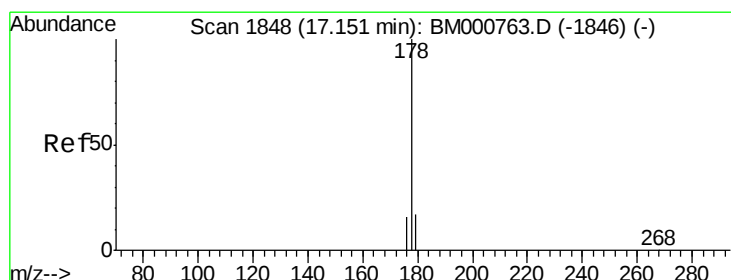
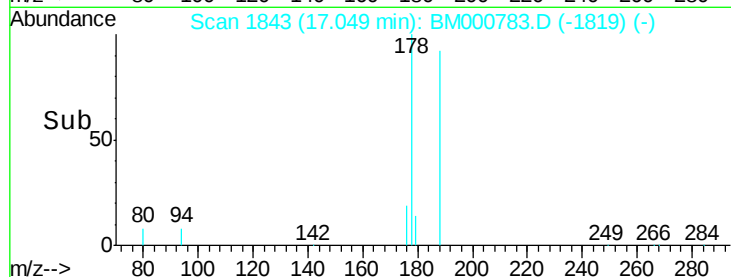
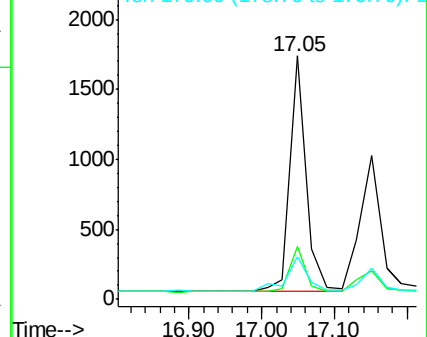
179 18.1 12.2 18.2



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: 0.07 ng

RT: 17.15 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

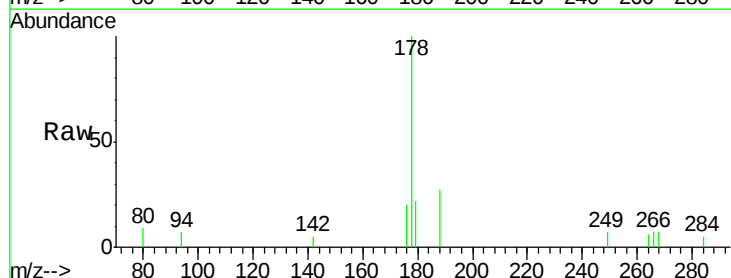
Tgt Ion:178 Resp: 2084

Ion Ratio Lower Upper

178 100

176 17.2 14.6 22.0

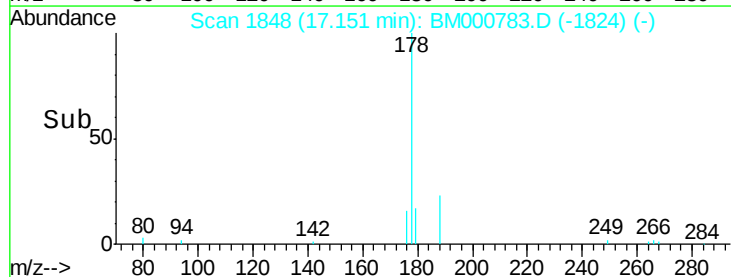
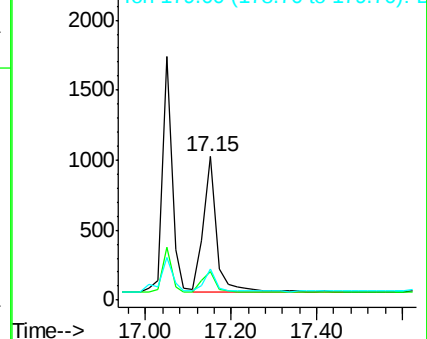
179 16.1 12.2 18.4



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

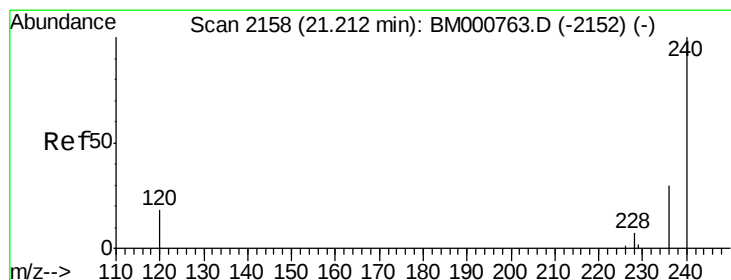
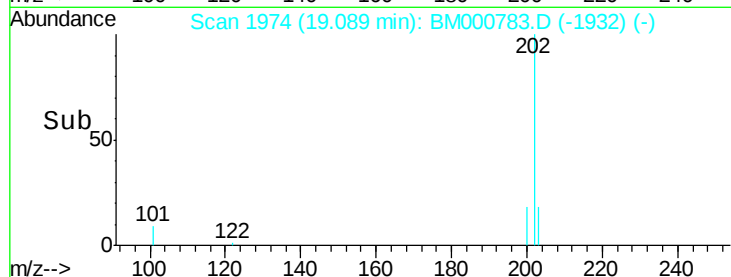
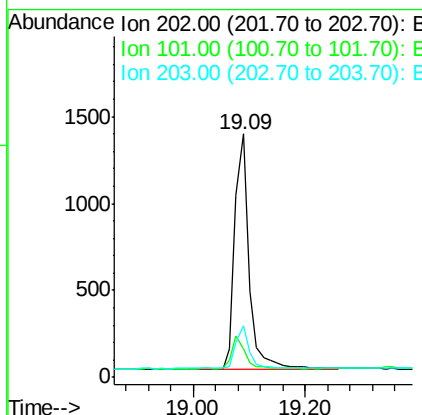
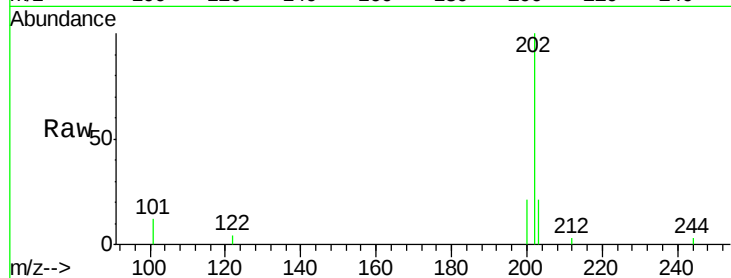




#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000763.D
 Acq: 01 Apr 2015 12:33

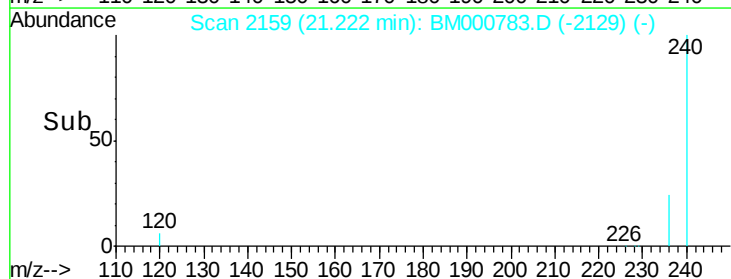
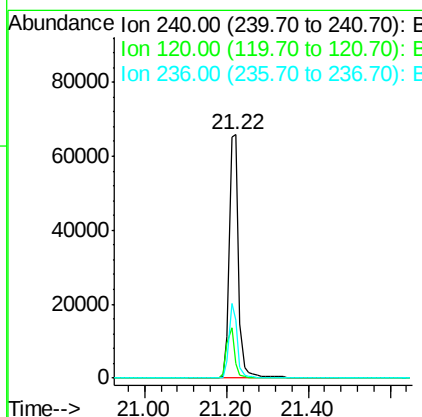
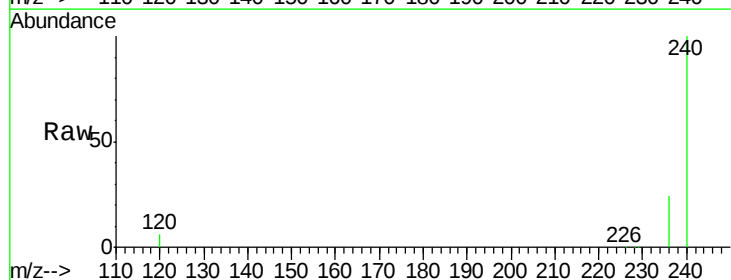
Instrument :
 BNA_M
 ClientSampleId :

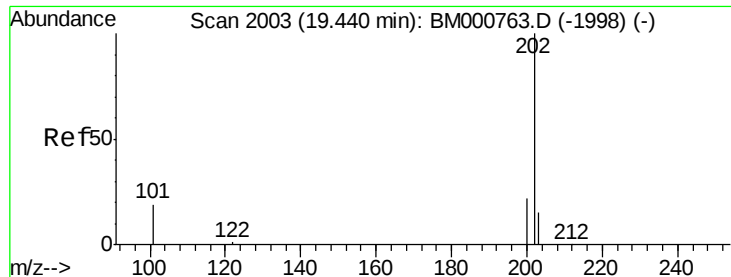
Tot Ion:202 Resp: 2411
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.5 15.7
 203 18.0 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.22 min Scan# 2159
 Delta R.T. 0.01 min
 Lab File: BM000763.D
 Acq: 01 Apr 2015 12:33

Tgt Ion:240 Resp: 104628
 Ion Ratio Lower Upper
 240 100
 120 6.0 14.9 22.3#
 236 23.7 24.2 36.4#

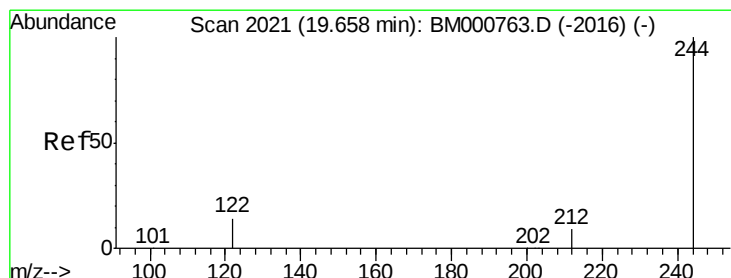
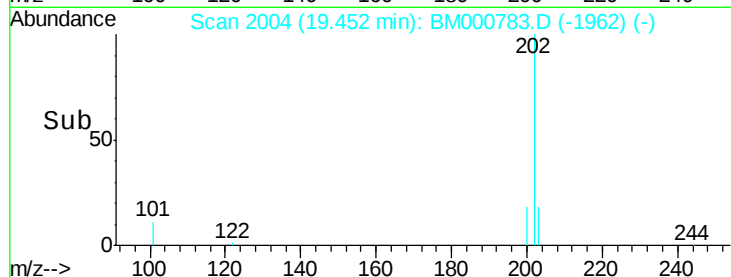
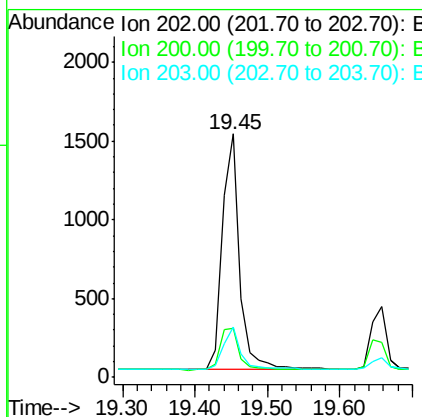
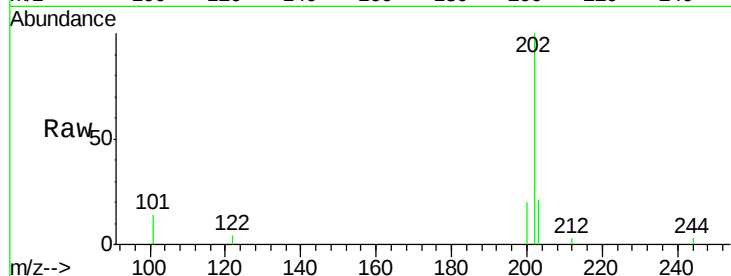




#20
Pvrene
Concen: 0.07 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

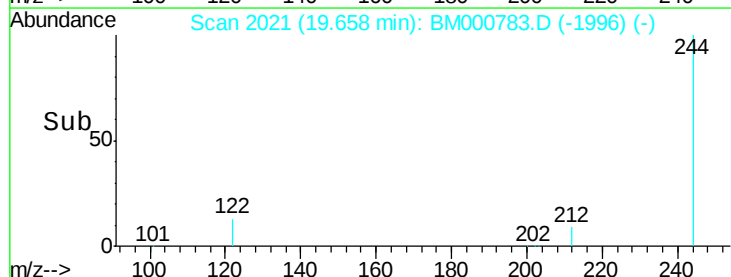
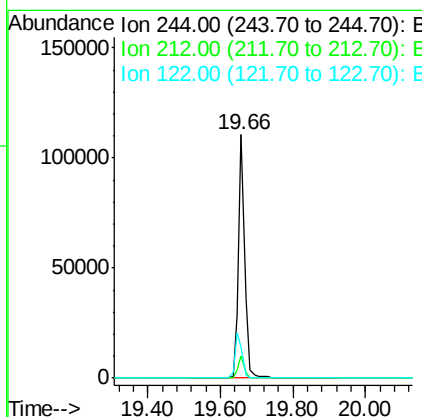
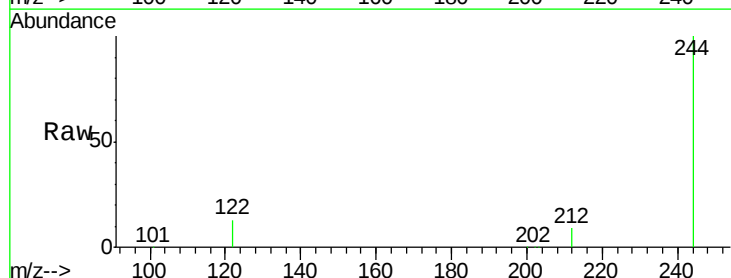
Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2517
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.8 13.9 20.9



#21
Terphenyl-d14
Concen: 10.67 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

Tgt Ion:244 Resp: 134292
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.6
122 12.7 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

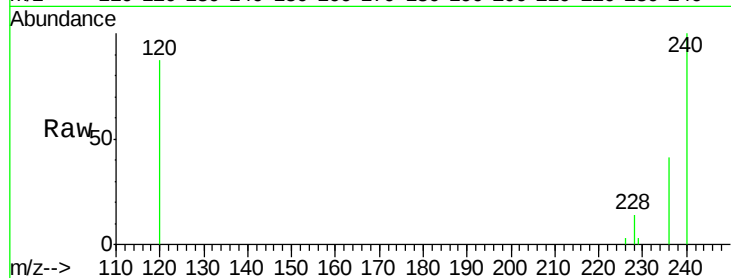
Tot Ion:228 Resp: 2353

Ion Ratio Lower Upper

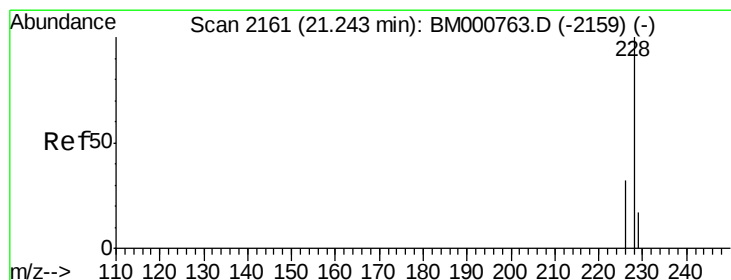
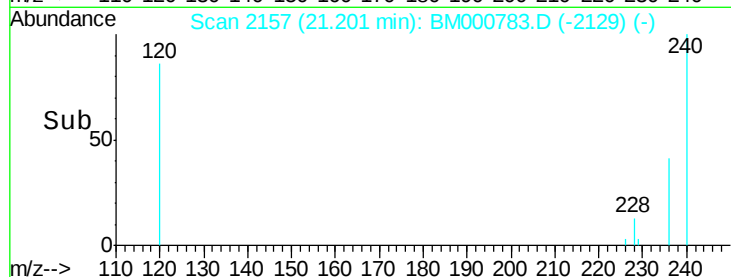
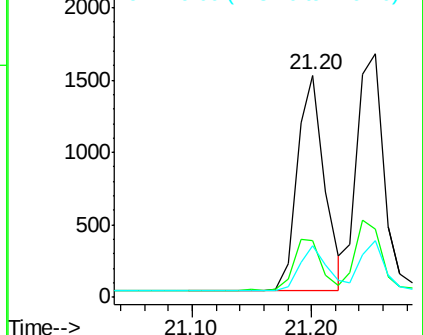
228 100

226 25.3 18.6 27.8

229 23.3 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: 0.08 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

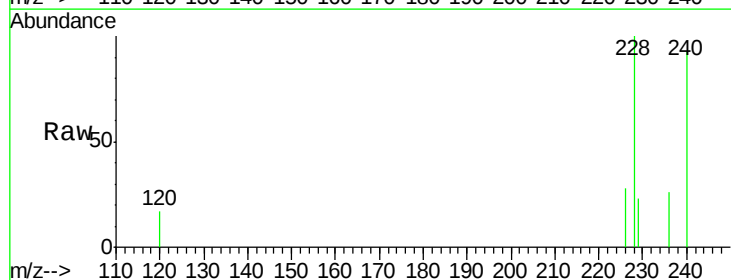
Tgt Ion:228 Resp: 2657

Ion Ratio Lower Upper

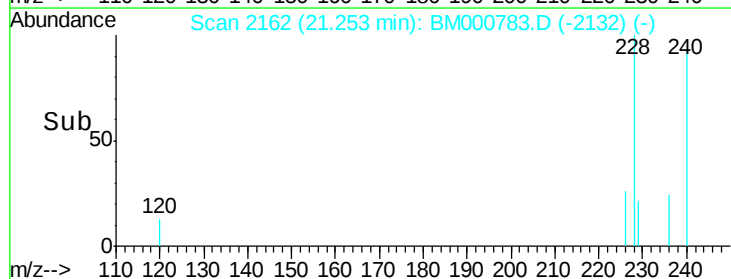
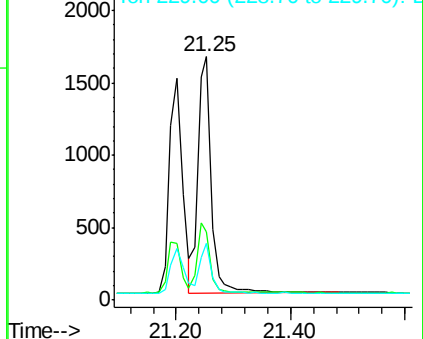
228 100

226 28.1 25.8 38.8

229 23.3 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

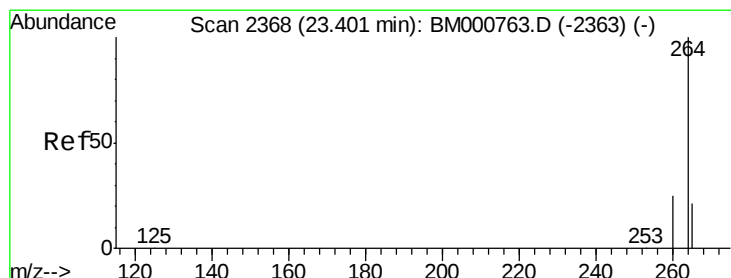
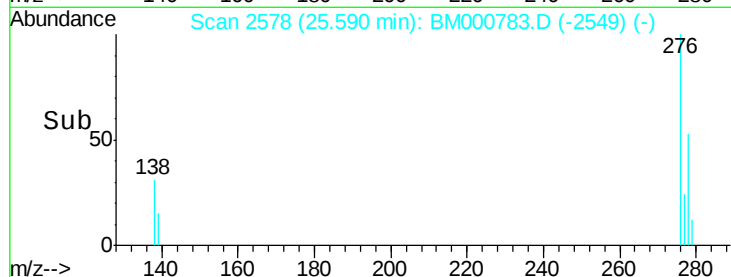
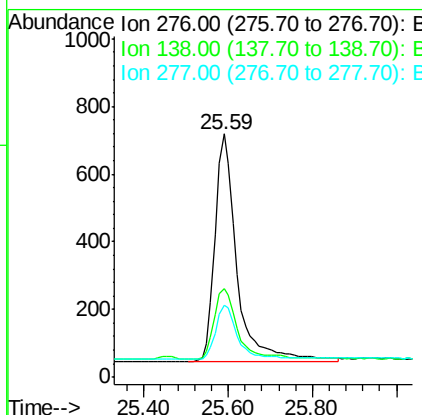
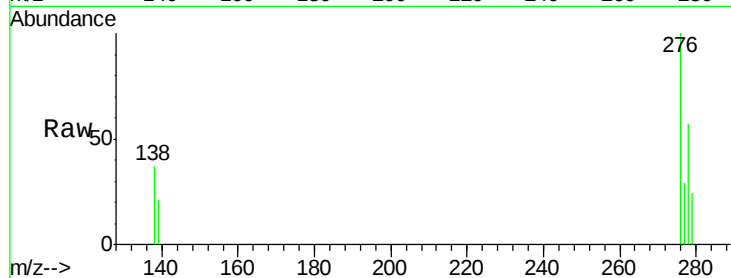




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 25.59 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

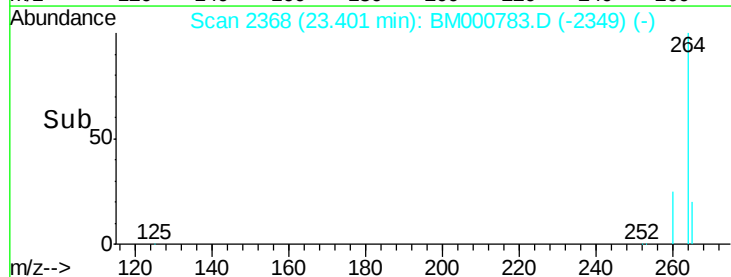
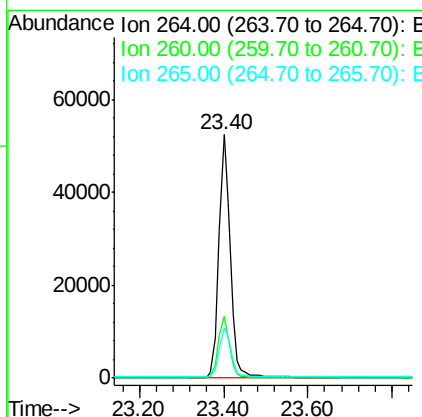
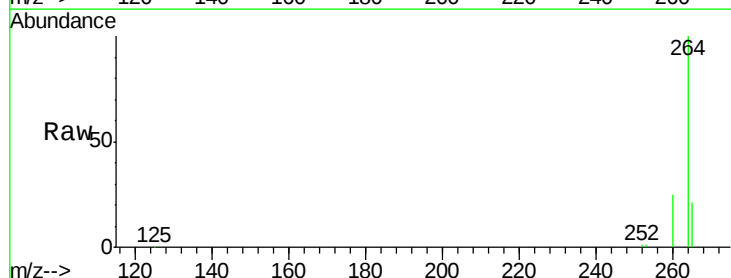
Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 2414
Ion Ratio Lower Upper
276 100
138 32.7 27.4 41.2
277 23.5 19.7 29.5



#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

Tgt Ion:264 Resp: 97772
Ion Ratio Lower Upper
264 100
260 25.5 20.1 30.1
265 20.9 17.4 26.0

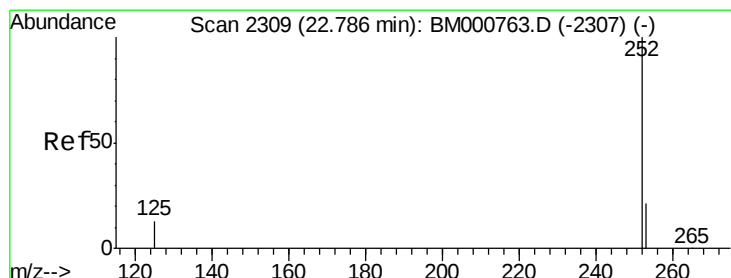
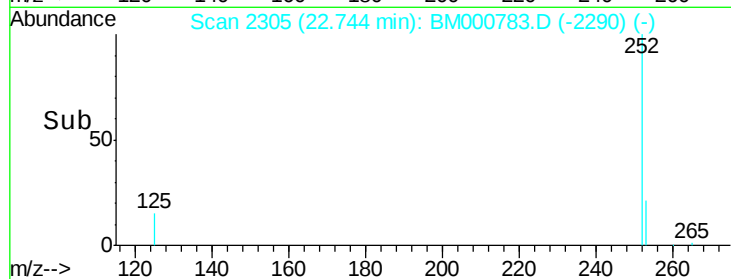
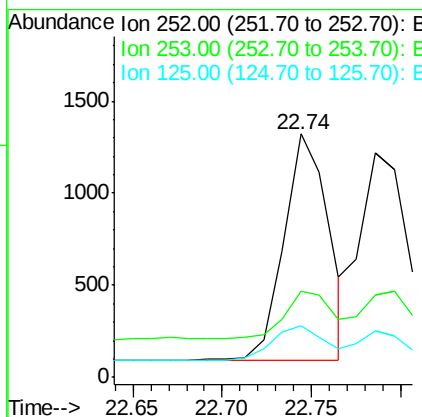
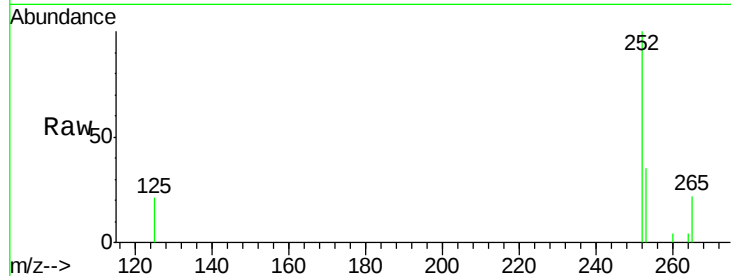




#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

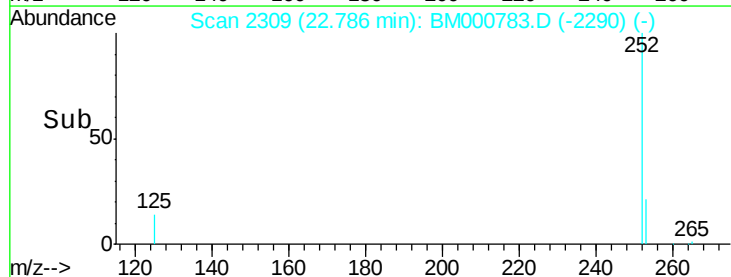
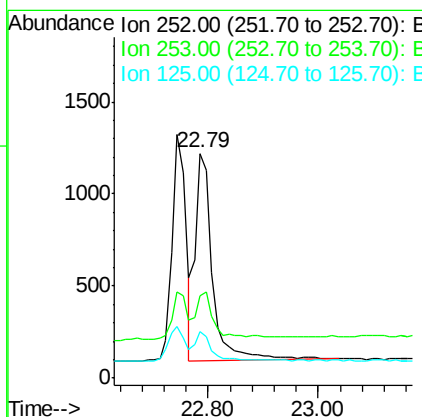
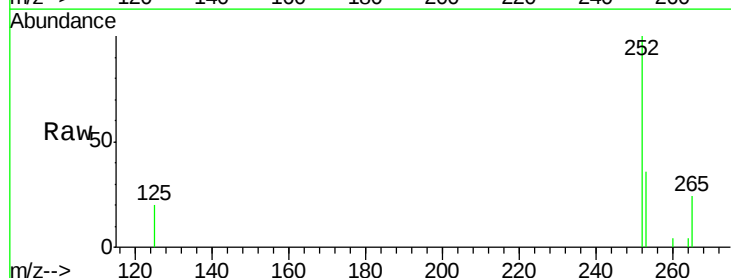
Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2149
Ion Ratio Lower Upper
252 100
253 35.2 18.5 27.7#
125 21.1 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000783.D
Acq: 01 Apr 2015 12:33

Tgt Ion:252 Resp: 2413
Ion Ratio Lower Upper
252 100
253 36.4 17.9 26.9#
125 20.5 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.31 min Scan# 2359

Delta R.T. -0.00 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :

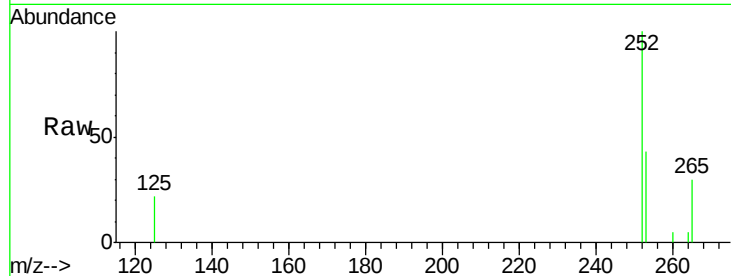
Tot Ion:252 Resp: 1939

Ion Ratio Lower Upper

252 100

253 42.6 19.4 29.2#

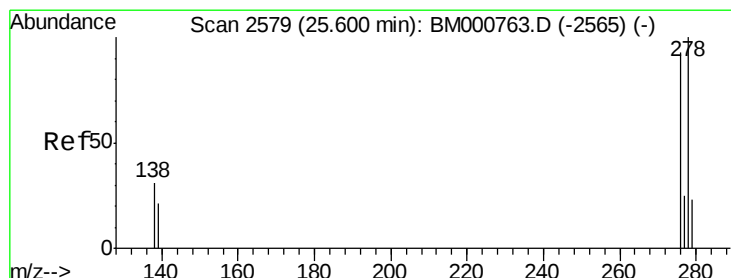
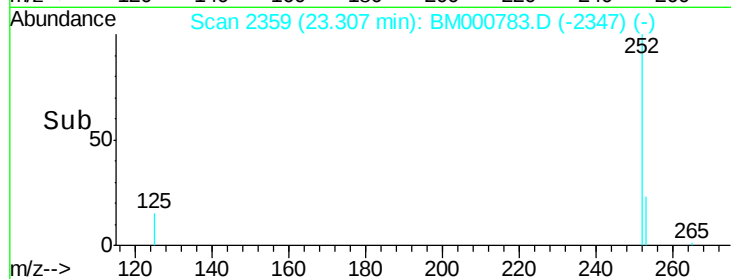
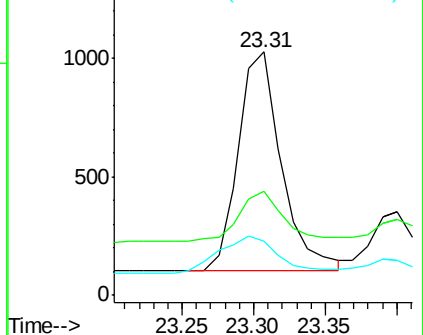
125 22.3 11.5 17.3#



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: 0.07 ng

RT: 25.61 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

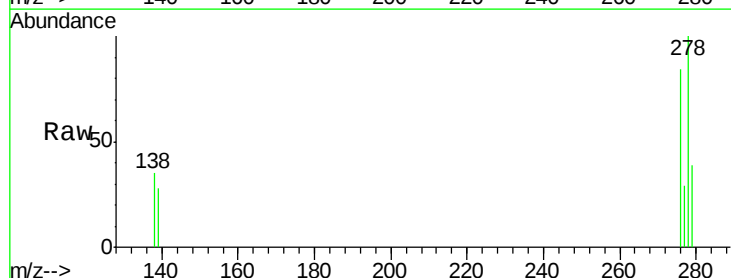
Tgt Ion:278 Resp: 1893

Ion Ratio Lower Upper

278 100

139 27.6 17.8 26.6#

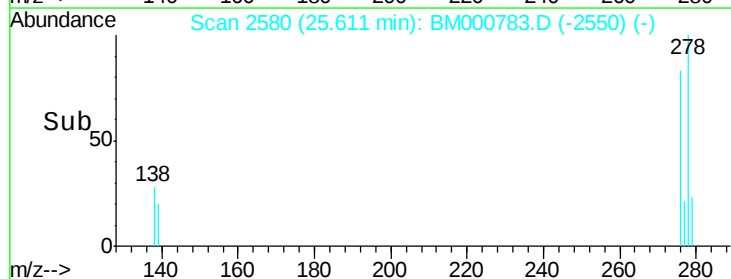
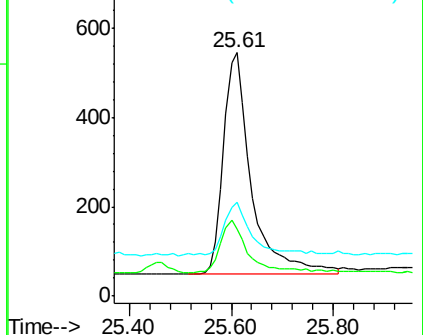
279 38.6 19.3 28.9#



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(a,h,i)perylene

Concen: 0.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

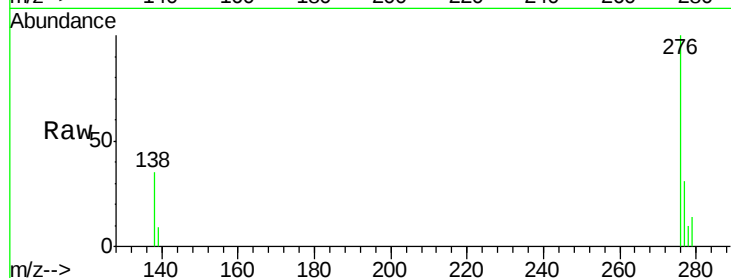
Lab File: BM000783.D

Acq: 01 Apr 2015 12:33

Instrument :

BNA_M

ClientSampleId :



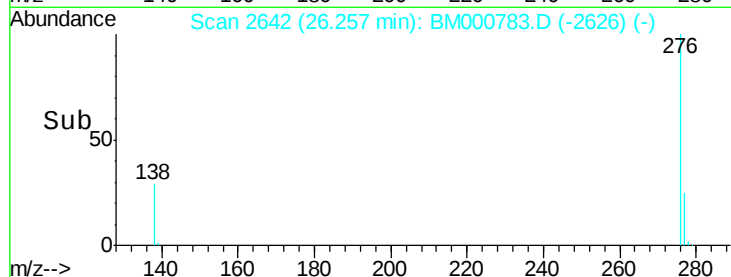
Tot Ion: 276 Resp: 2232

Ion Ratio Lower Upper

276 100

277 30.6 19.1 28.7#

138 35.1 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

