

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000784.D
 Acq On : 01 Apr 2015 13:09
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:27:18 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	34136	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	114536	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	56501	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	125368	5.00	ng	0.00
19) Chrysene-d12	21.21	240	104082	5.00	ng	0.00
25) Perylene-d12	23.40	264	96525	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	56376	8.02	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	171284	9.77	ng	0.00
21) Terphenyl-d14	19.66	244	136205	10.88	ng	0.00

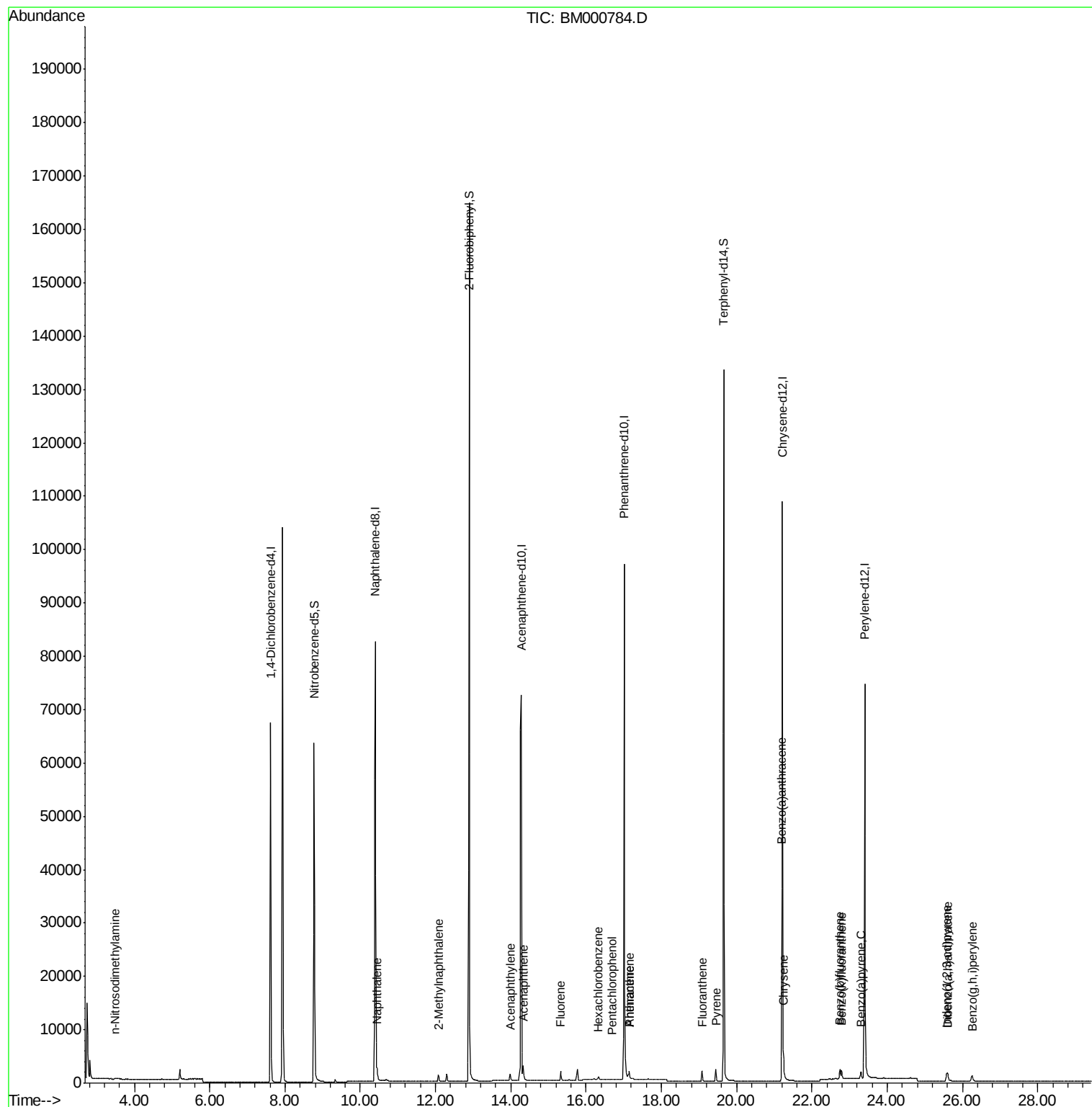
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.49	42	41	0.17	ng	# 1
6) Naphthalene	10.45	128	2100	0.08	ng	# 91
7) 2-Methylnaphthalene	12.08	142	1199	0.07	ng	96
10) Acenaphthylene	13.99	152	1564	0.06	ng	97
11) Acenaphthene	14.33	154	1259	0.07	ng	98
12) Fluorene	15.32	166	1465	0.08	ng	100
14) Hexachlorobenzene	16.33	284	577	0.08	ng	# 70
15) Pentachlorophenol	16.68	266	21	0.37	ng	# 60
16) Phenanthrene	17.15	178	2139	0.06	ng	97
17) Anthracene	17.15	178	2155	0.07	ng	99
18) Fluoranthene	19.09	202	2536	0.07	ng	100
20) Pyrene	19.45	202	2616	0.08	ng	99
22) Benzo(a)anthracene	21.20	228	2465	0.08	ng	97
23) Chrysene	21.24	228	2765	0.09	ng	96
24) Indeno(1,2,3-cd)pyrene	25.59	276	2456	0.08	ng	98
26) Benzo(b)fluoranthene	22.74	252	2270	0.07	ng	# 77
27) Benzo(k)fluoranthene	22.79	252	2371	0.08	ng	# 78
28) Benzo(a)pyrene	23.30	252	2015	0.08	ng	# 71
29) Dibenzo(a,h)anthracene	25.60	278	1919	0.07	ng	# 78
30) Benzo(g,h,i)perylene	26.26	276	2271	0.08	ng	# 91

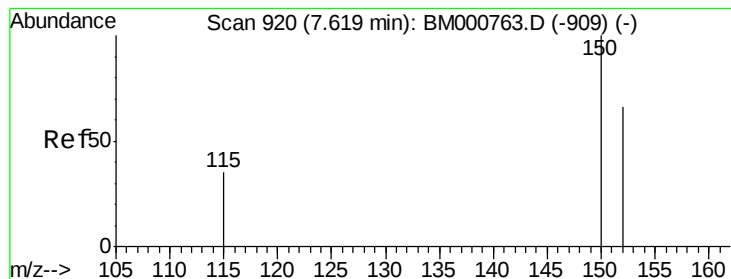
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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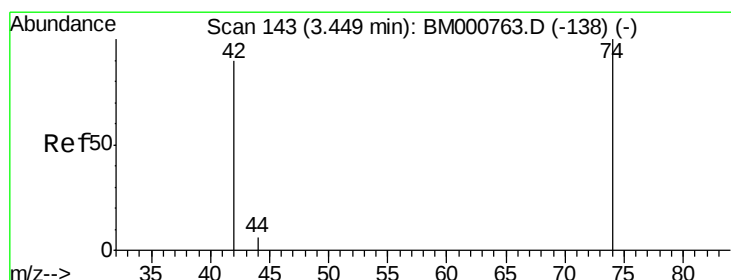
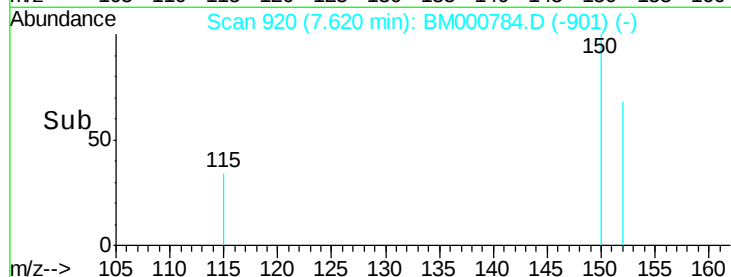
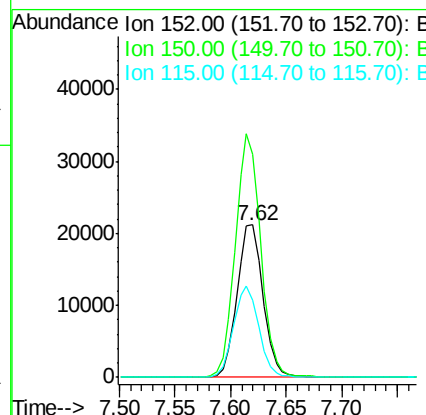
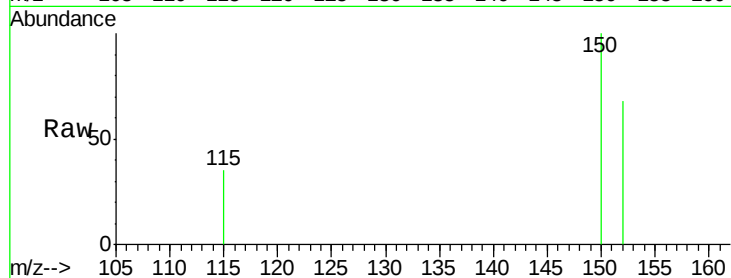


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 920
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampled :

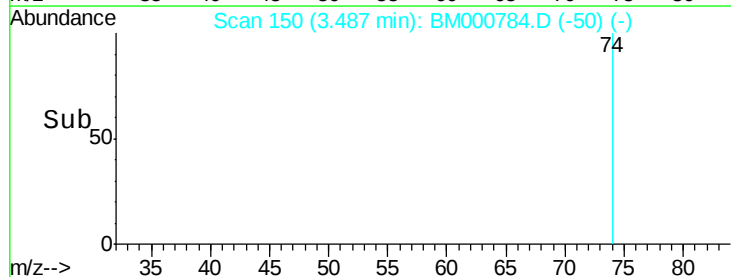
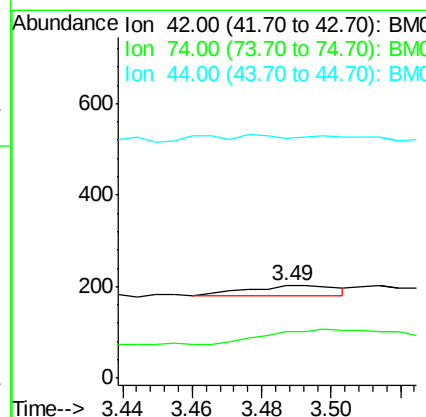
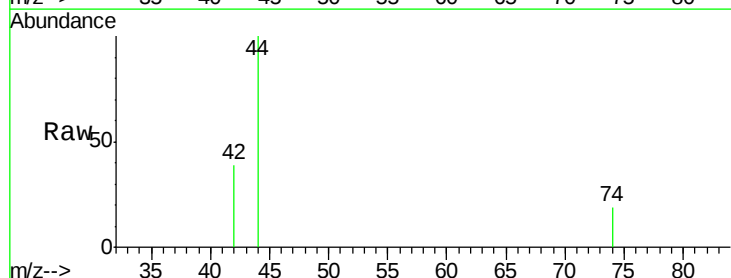
Tot Ion:152 Resp: 34136
Ion Ratio Lower Upper
152 100
150 146.5 120.8 181.2
115 50.7 42.7 64.1



#3

n-Nitrosodimethylamine
Concen: 0.17 ng
RT: 3.49 min Scan# 150
Delta R.T. 0.04 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion: 42 Resp: 41
Ion Ratio Lower Upper
42 100
74 451.2 93.6 140.4#
44 26.8 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

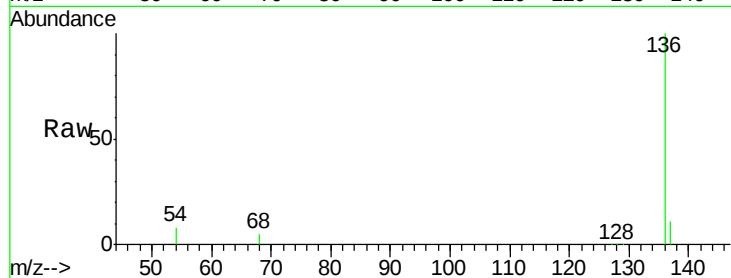
Tot Ion:136 Resp: 114536

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

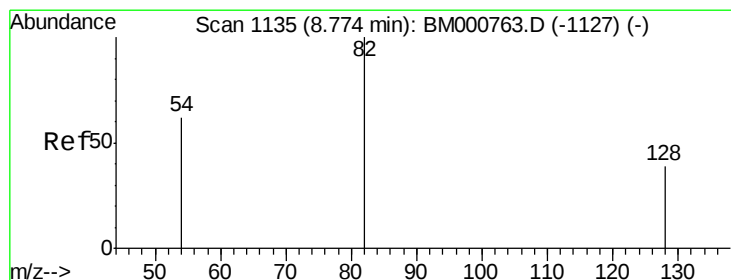
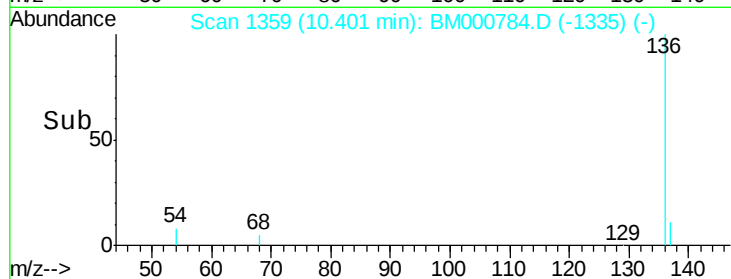
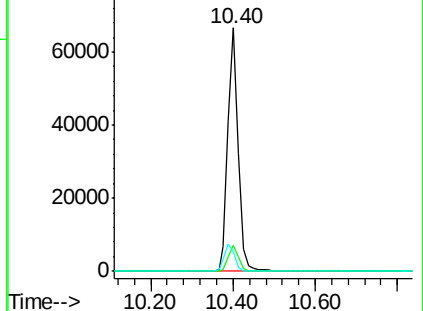
54 7.8 7.0 10.6



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: 8.02 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

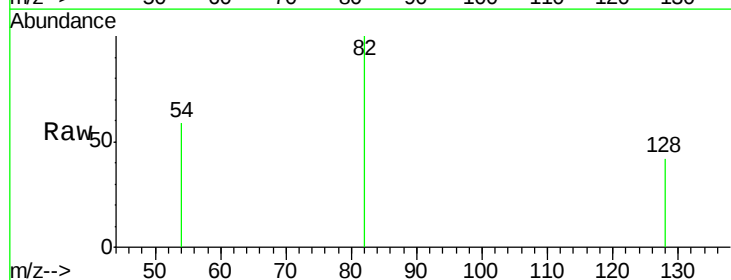
Tgt Ion: 82 Resp: 56376

Ion Ratio Lower Upper

82 100

128 41.9 32.2 48.2

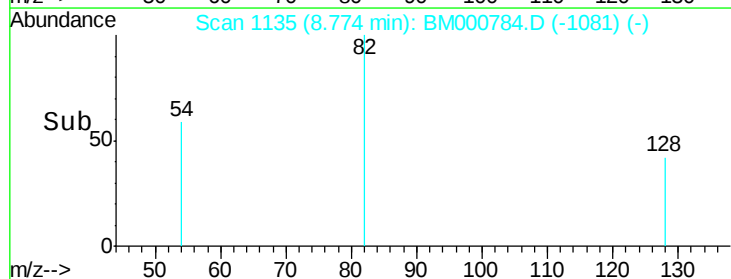
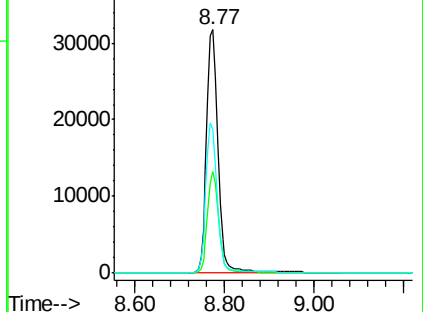
54 58.9 50.2 75.4



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: 0.08 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

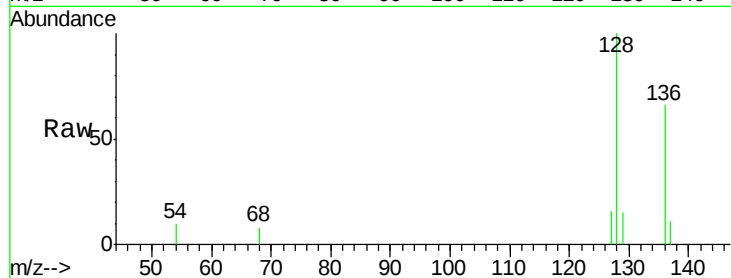
Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :



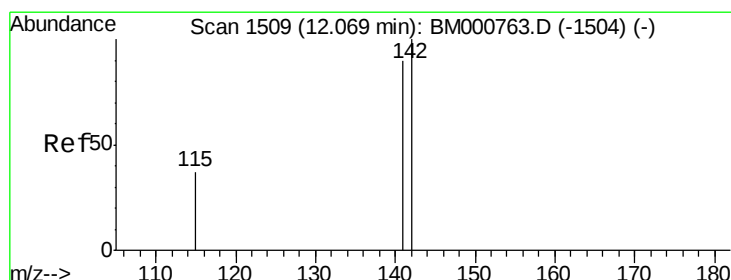
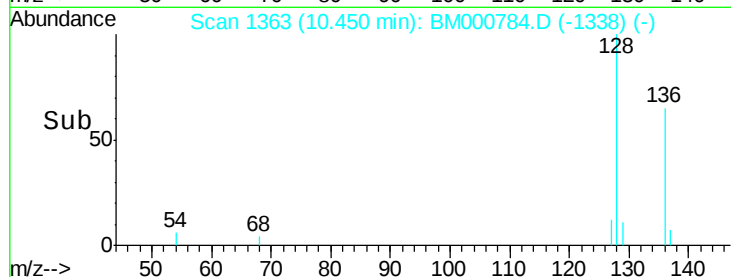
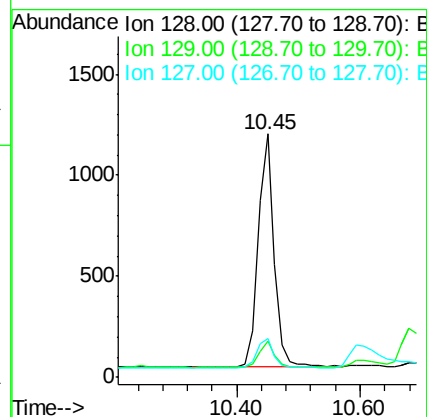
Tot Ion:128 Resp: 2100

Ion Ratio Lower Upper

128 100

129 14.7 8.9 13.3#

127 15.8 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: BM000784.D

Acq: 01 Apr 2015 13:09

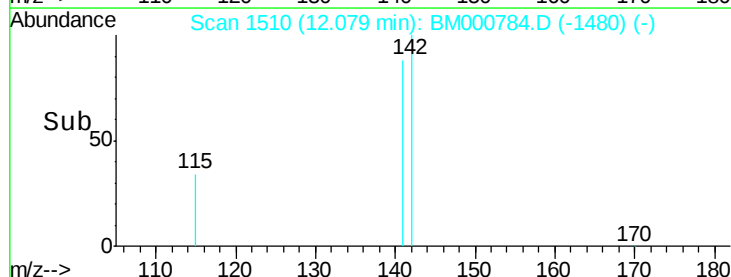
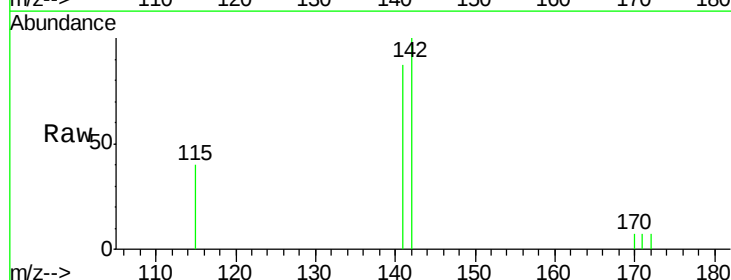
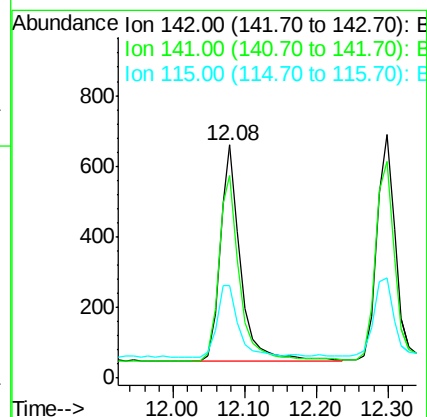
Tgt Ion:142 Resp: 1199

Ion Ratio Lower Upper

142 100

141 87.0 72.3 108.5

115 39.5 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: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

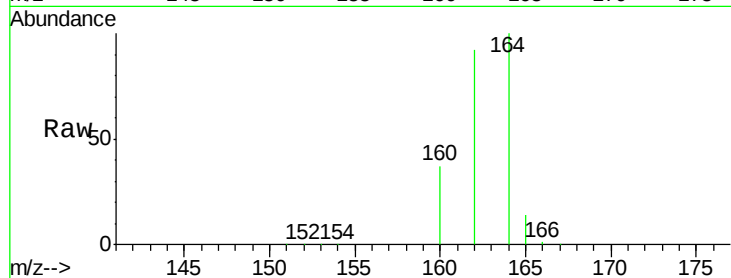
Tot Ion:164 Resp: 56501

Ion Ratio Lower Upper

164 100

162 92.5 75.4 113.2

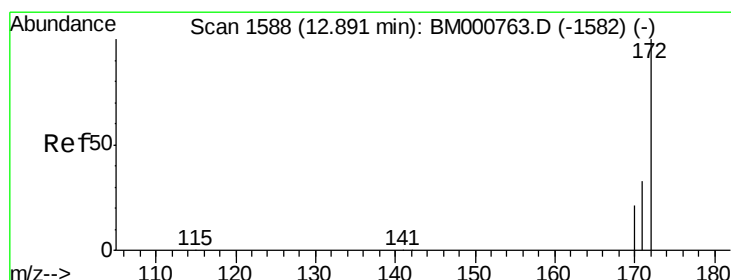
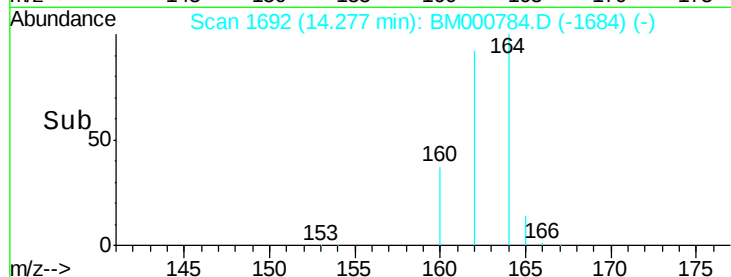
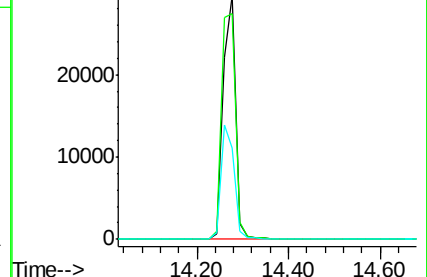
160 37.3 30.8 46.2



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: 9.77 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

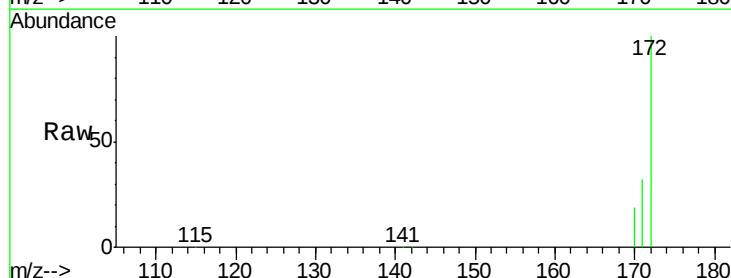
Tgt Ion:172 Resp: 171284

Ion Ratio Lower Upper

172 100

171 31.8 26.6 39.8

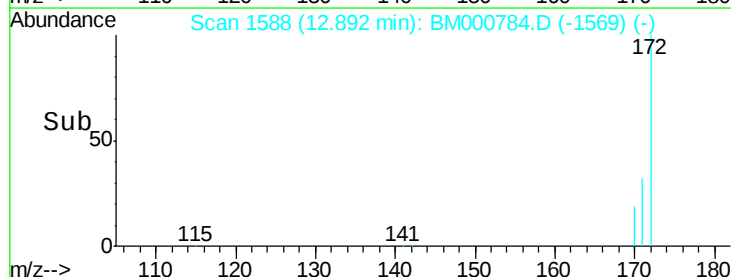
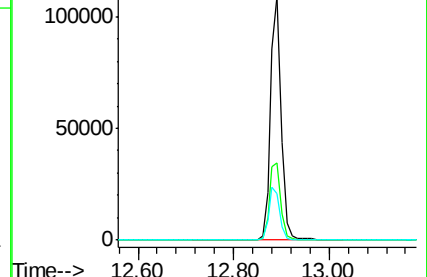
170 19.3 17.1 25.7



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: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

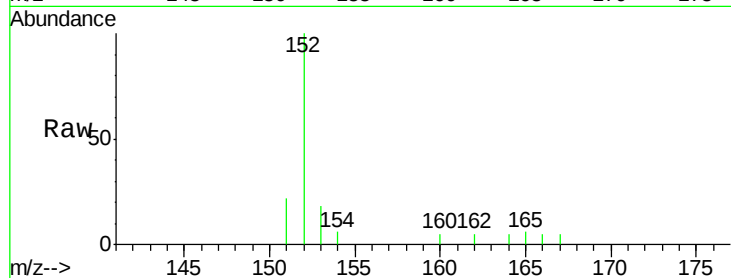
Tot Ion:152 Resp: 1564

Ion Ratio Lower Upper

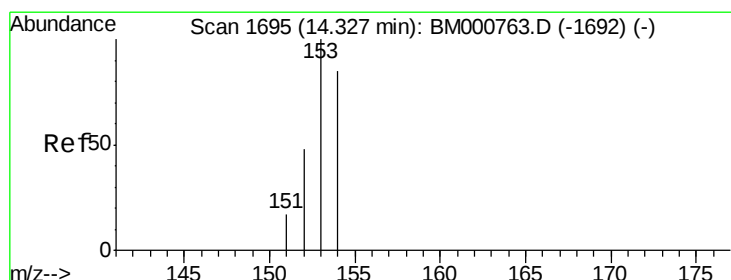
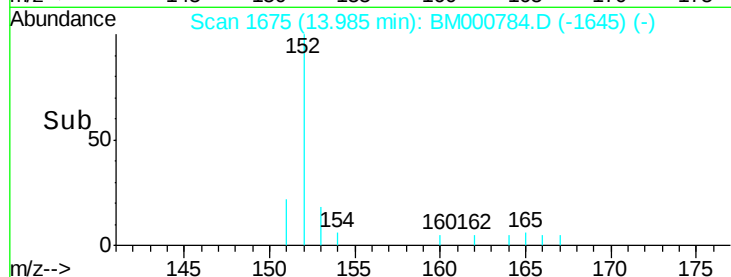
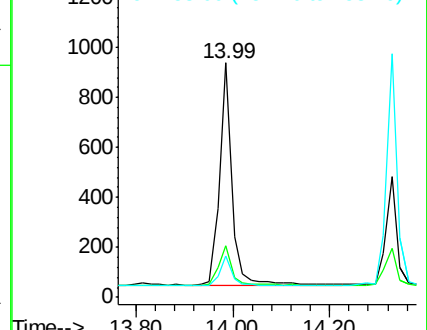
152 100

151 20.1 15.1 22.7

153 13.8 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: 0.07 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

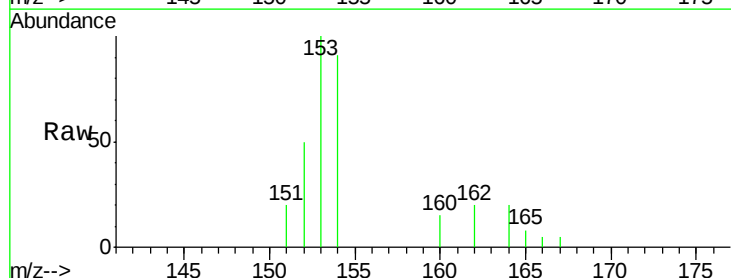
Tgt Ion:154 Resp: 1259

Ion Ratio Lower Upper

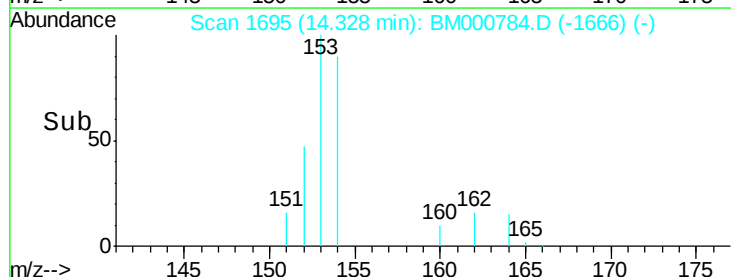
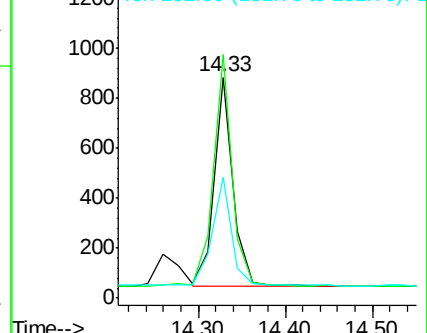
154 100

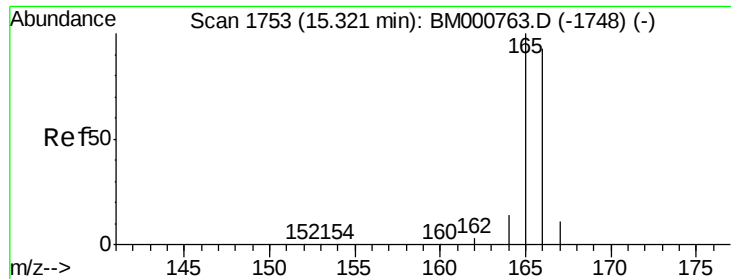
153 111.5 87.3 130.9

152 54.0 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: 0.08 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampled :

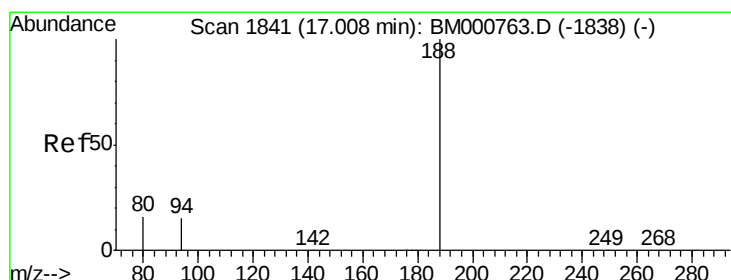
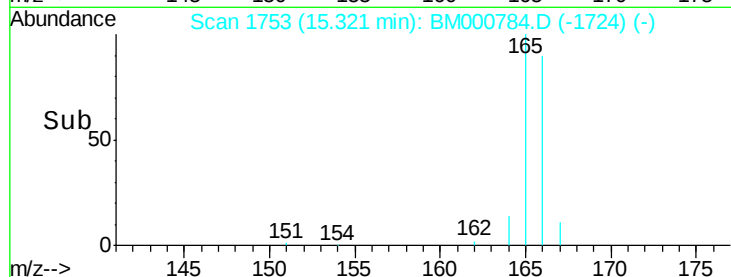
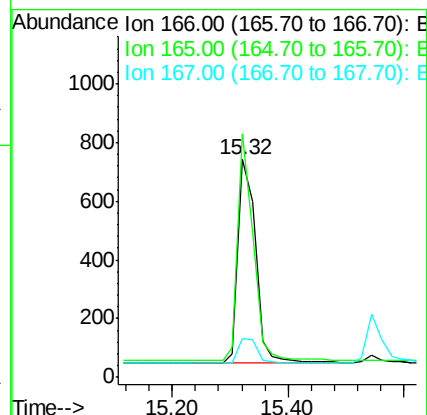
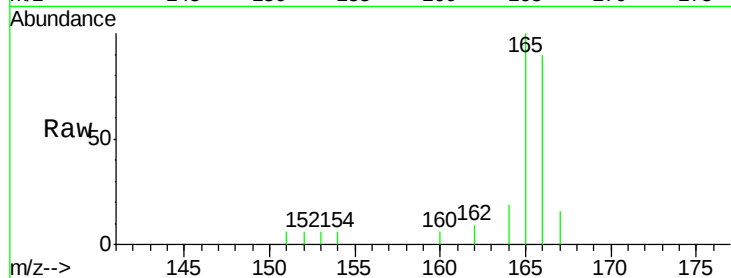
Tot Ion:166 Resp: 1465

Ion Ratio Lower Upper

166 100

165 97.5 78.2 117.2

167 12.9 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: BM000784.D

Acq: 01 Apr 2015 13:09

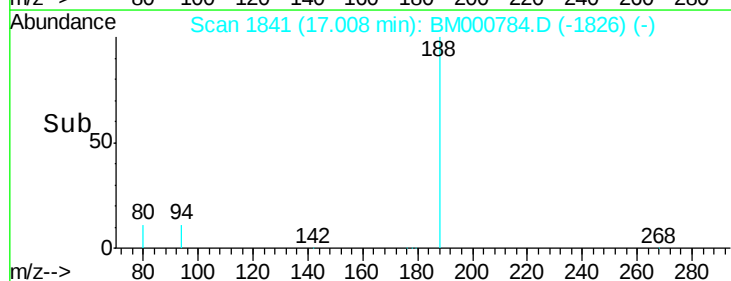
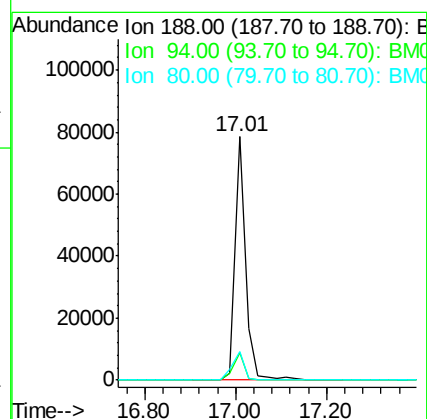
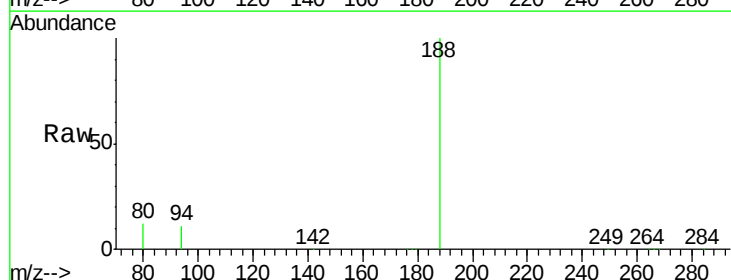
Tgt Ion:188 Resp: 125368

Ion Ratio Lower Upper

188 100

94 11.4 12.0 18.0#

80 11.5 12.8 19.2#

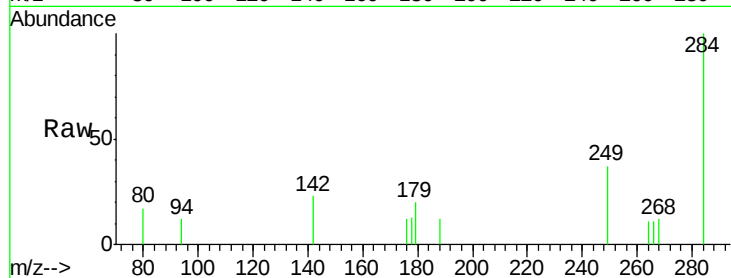




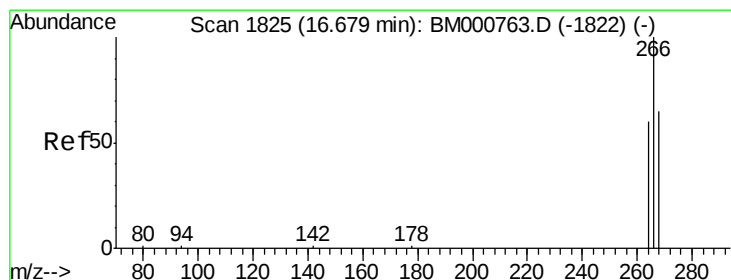
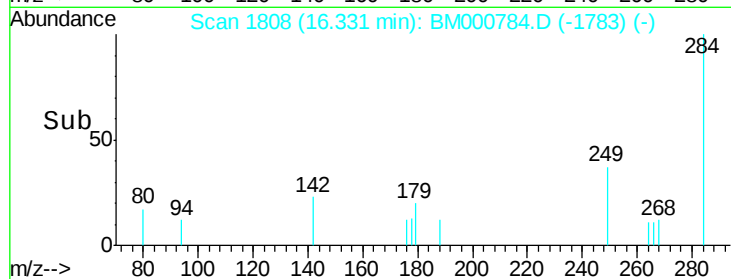
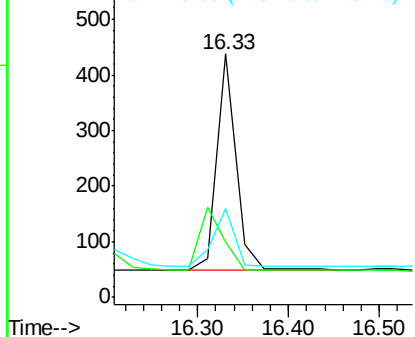
#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:284 Resp: 577
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 48.0 25.2 37.8#

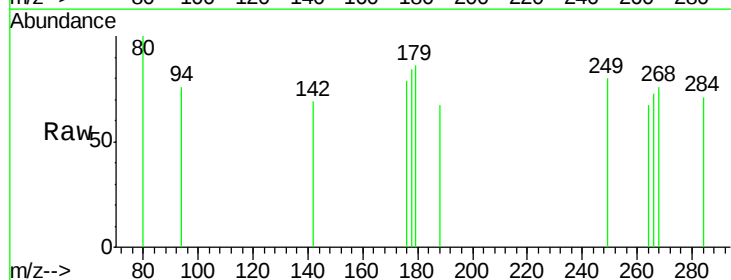


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

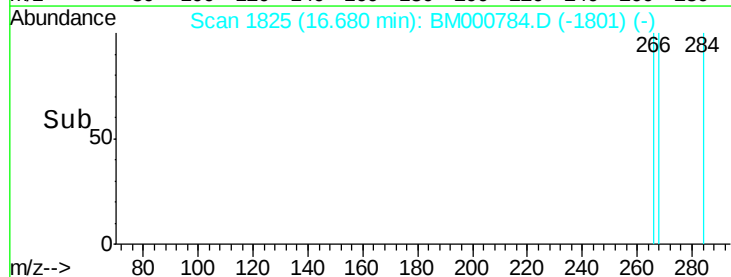
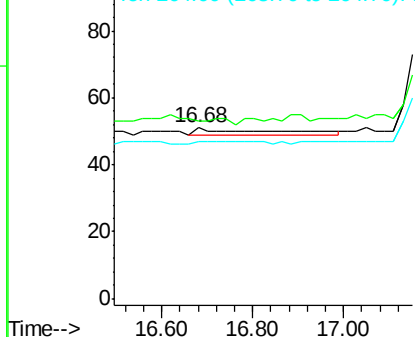


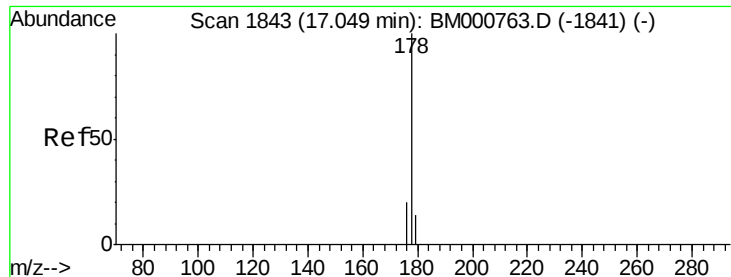
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion:266 Resp: 21
Ion Ratio Lower Upper
266 100
268 103.9 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: 0.06 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.10 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

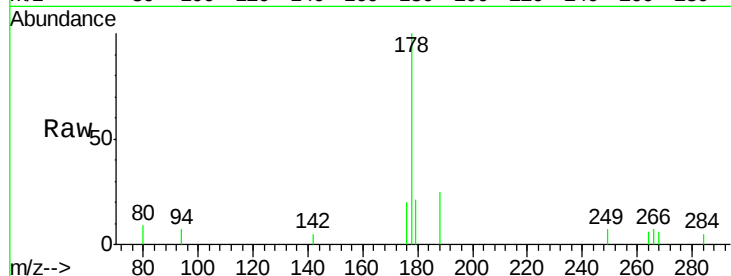
Tot Ion:178 Resp: 2139

Ion Ratio Lower Upper

178 100

176 17.2 15.3 22.9

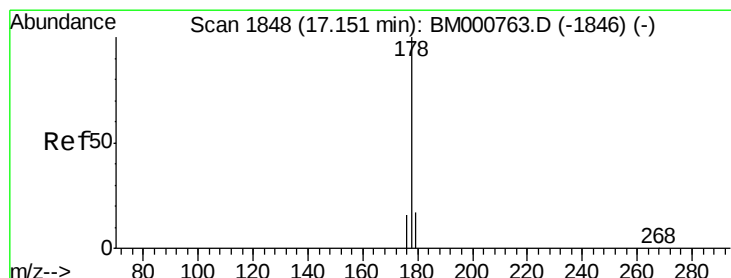
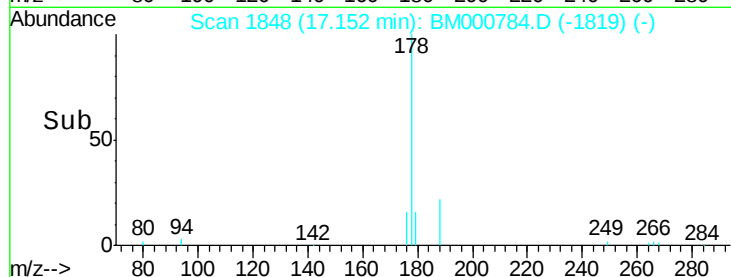
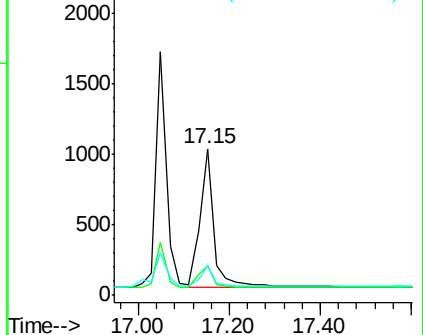
179 14.5 12.2 18.2



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: 0.07 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

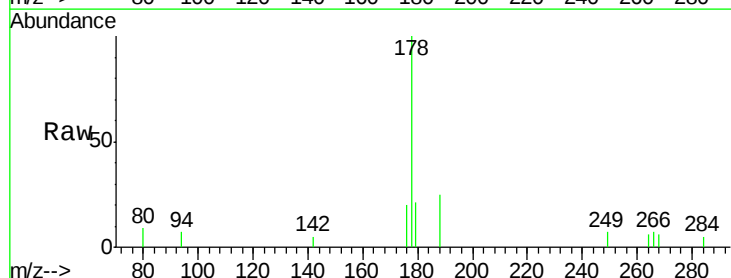
Tgt Ion:178 Resp: 2155

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

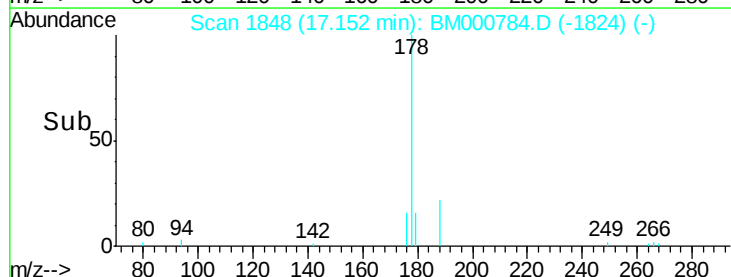
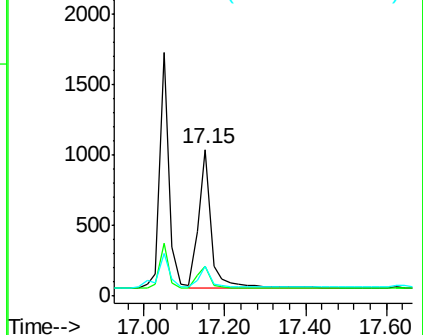
179 14.4 12.2 18.4



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

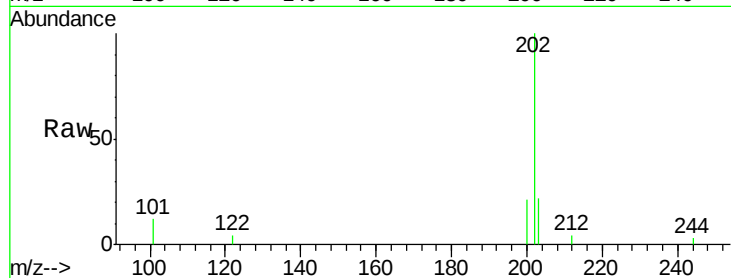




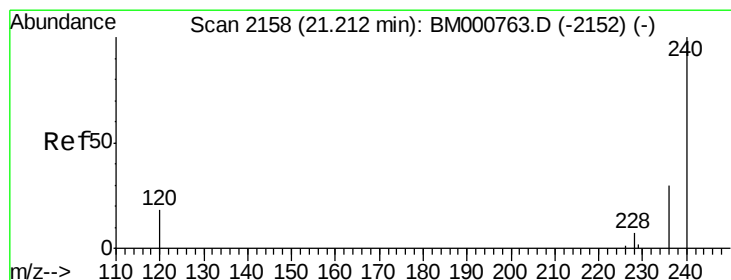
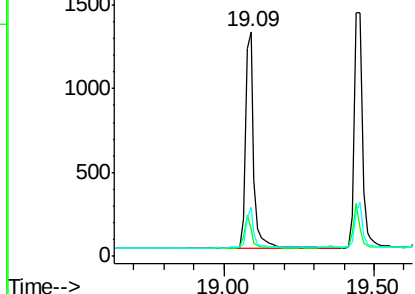
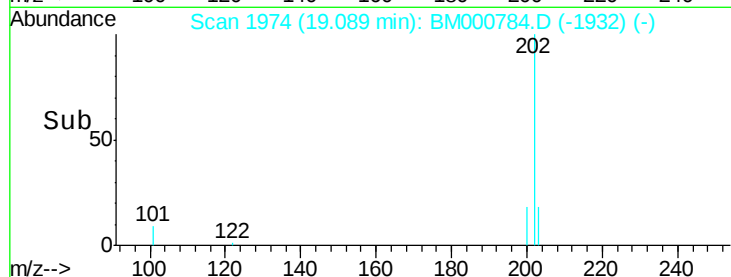
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000784.D
 Acq: 01 Apr 2015 13:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2536
 Ion Ratio Lower Upper
 202 100
 101 12.9 10.5 15.7
 203 17.4 13.8 20.8

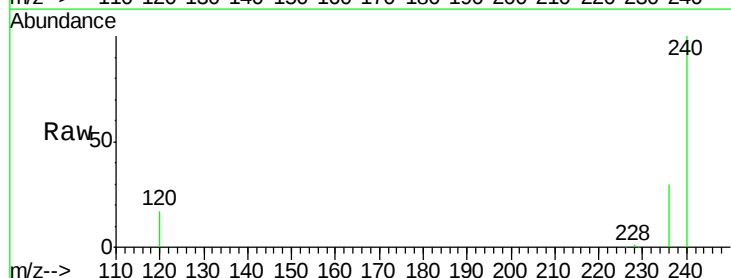


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

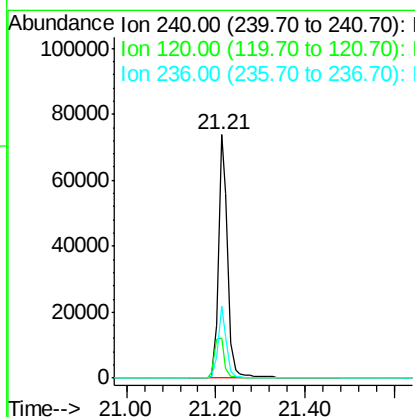
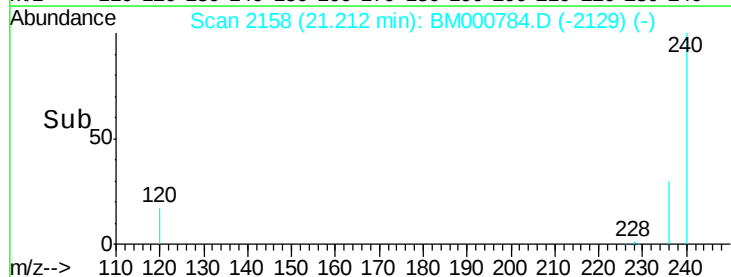


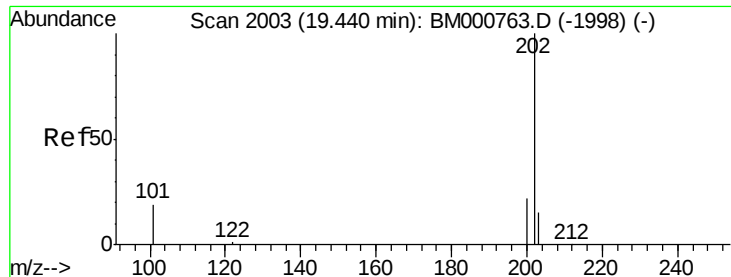
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000784.D
 Acq: 01 Apr 2015 13:09

Tgt Ion:240 Resp: 104082
 Ion Ratio Lower Upper
 240 100
 120 16.7 14.9 22.3
 236 29.6 24.2 36.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

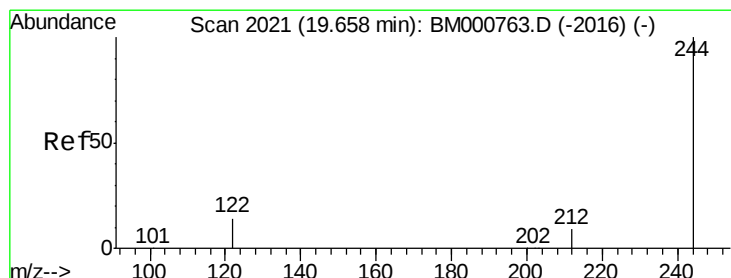
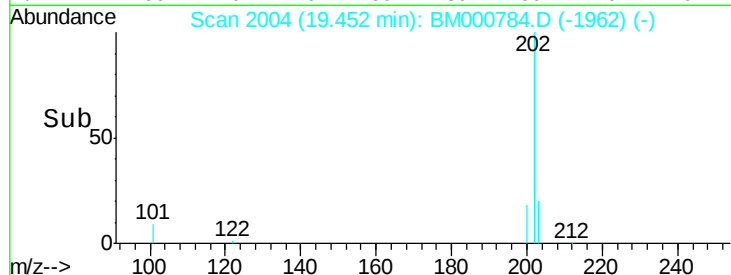
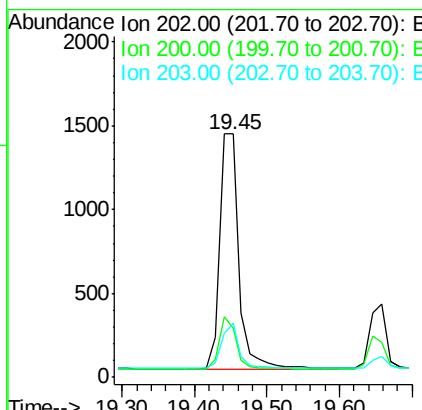
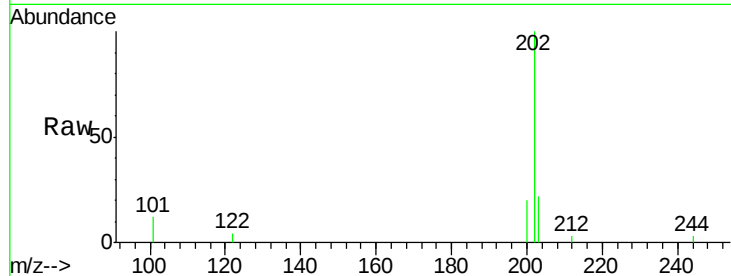




#20
Pvrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

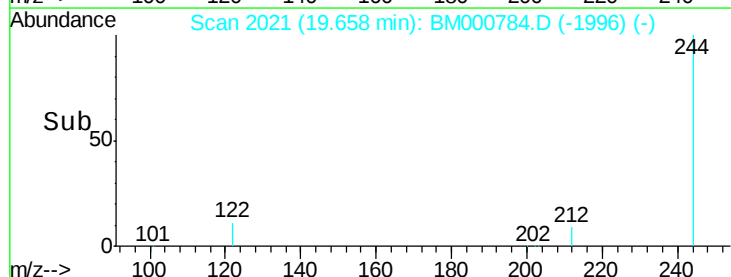
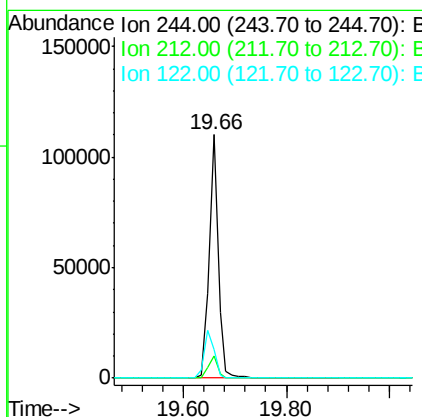
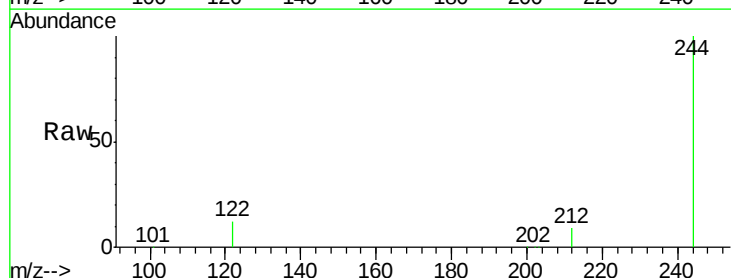
Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2616
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 17.9 13.9 20.9



#21
Terphenyl-d14
Concen: 10.88 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion:244 Resp: 136205
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 11.5 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: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :

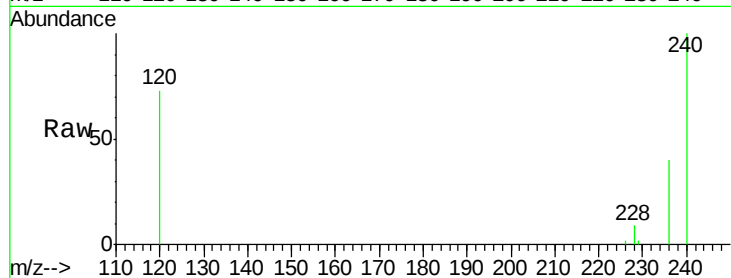
Tot Ion:228 Resp: 2465

Ion Ratio Lower Upper

228 100

226 24.6 18.6 27.8

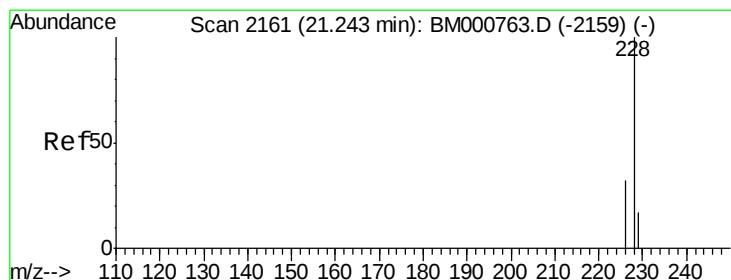
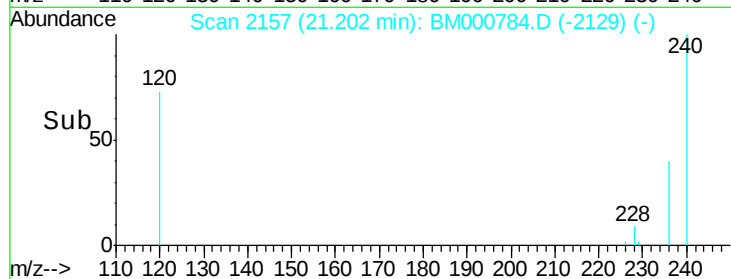
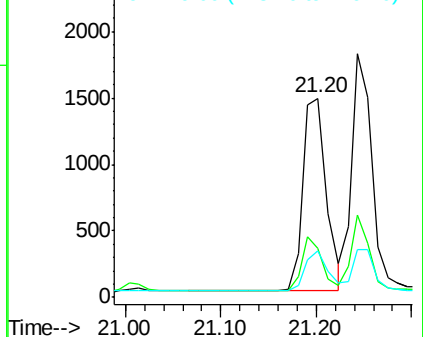
229 23.4 17.2 25.8



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: 0.09 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

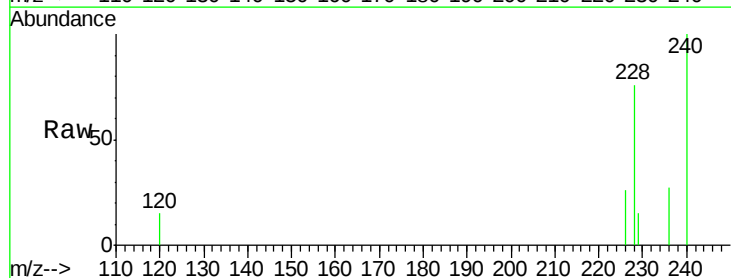
Tgt Ion:228 Resp: 2765

Ion Ratio Lower Upper

228 100

226 33.6 25.8 38.8

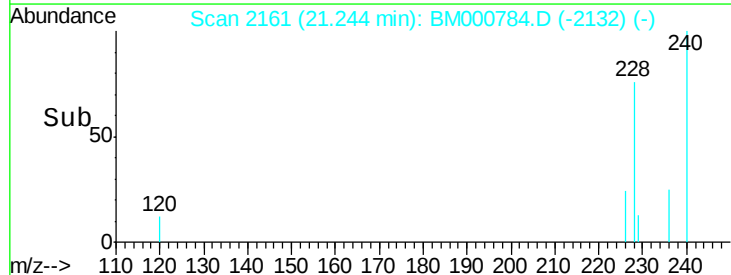
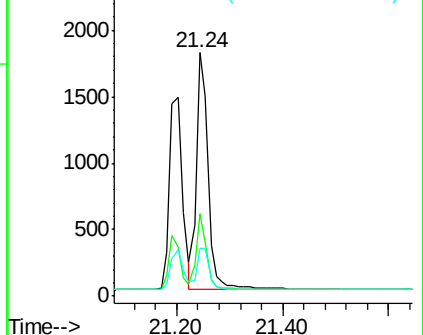
229 19.8 13.8 20.6



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

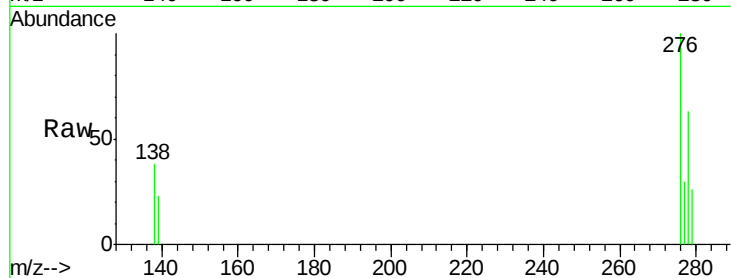




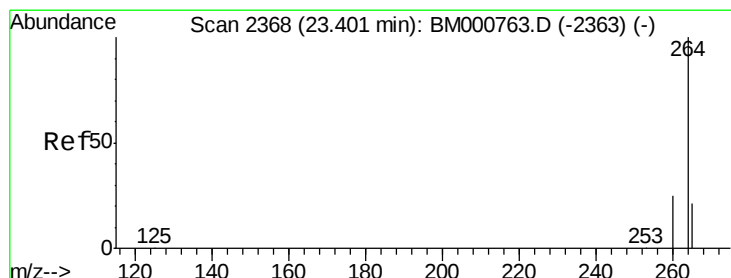
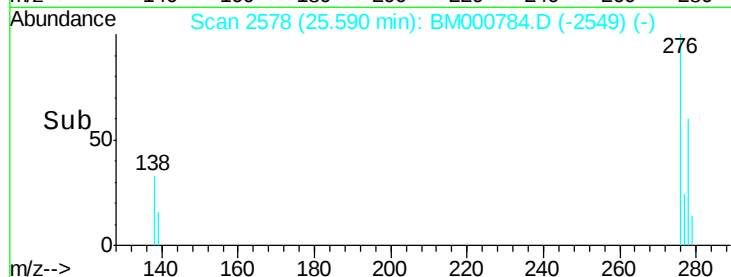
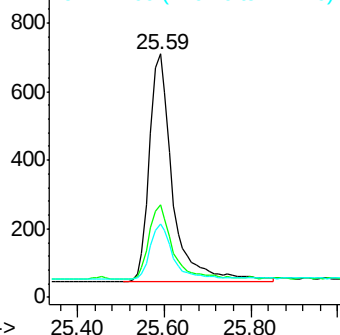
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.59 min Scan# 2578
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 2456
Ion Ratio Lower Upper
276 100
138 33.1 27.4 41.2
277 24.2 19.7 29.5

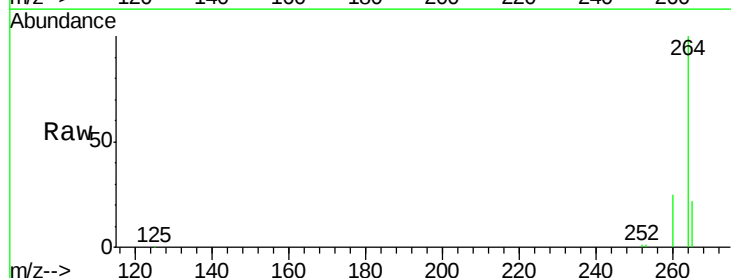


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

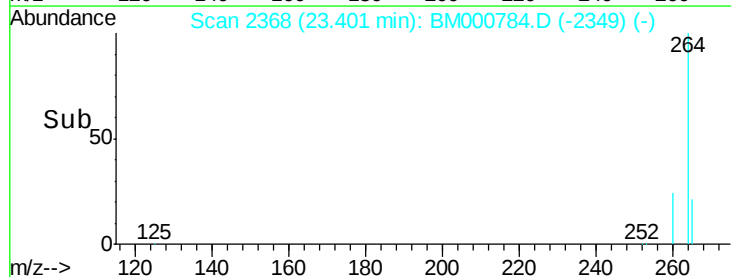
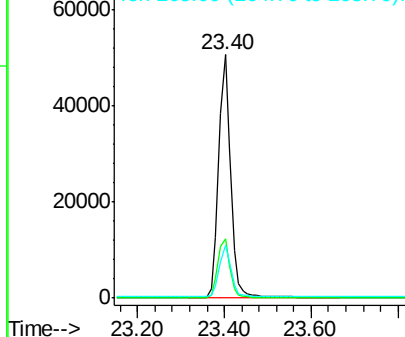


#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion:264 Resp: 96525
Ion Ratio Lower Upper
264 100
260 24.5 20.1 30.1
265 21.5 17.4 26.0



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

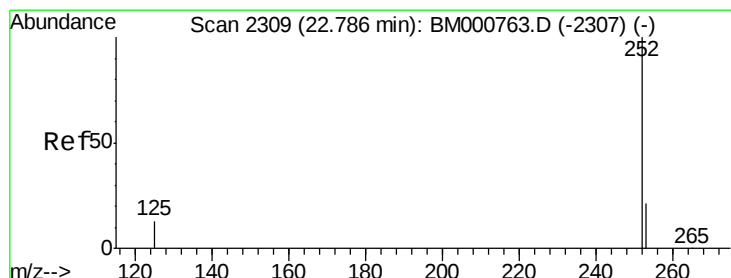
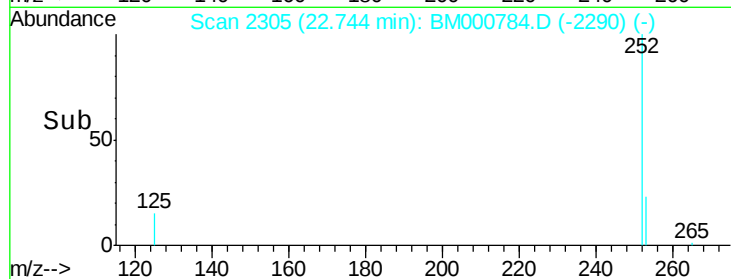
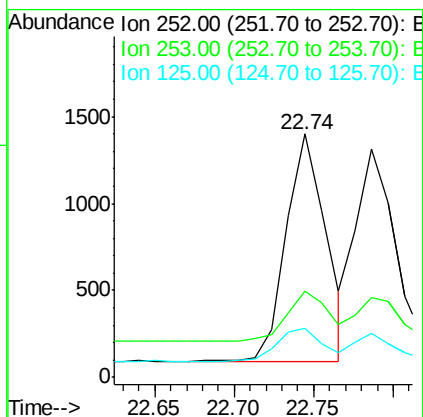
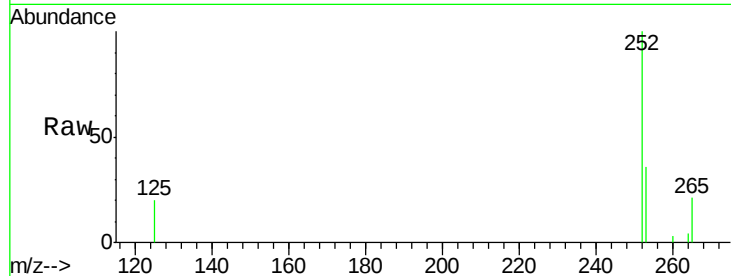




#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000784.D
Acq: 01 Apr 2015 13:09

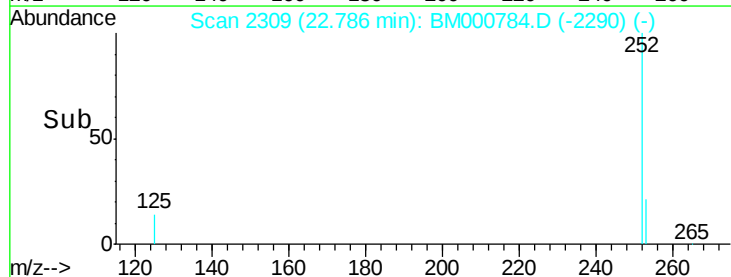
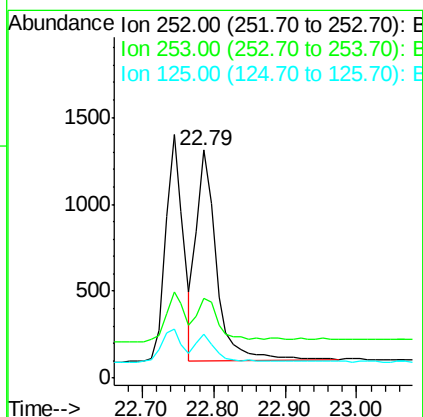
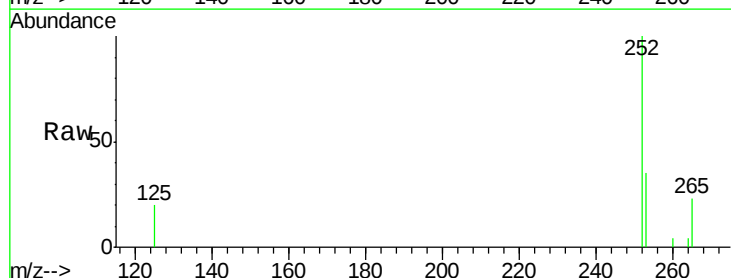
Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2270
Ion Ratio Lower Upper
252 100
253 35.6 18.5 27.7#
125 20.2 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: BM000784.D
Acq: 01 Apr 2015 13:09

Tgt Ion:252 Resp: 2371
Ion Ratio Lower Upper
252 100
253 35.2 17.9 26.9#
125 19.5 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.08 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

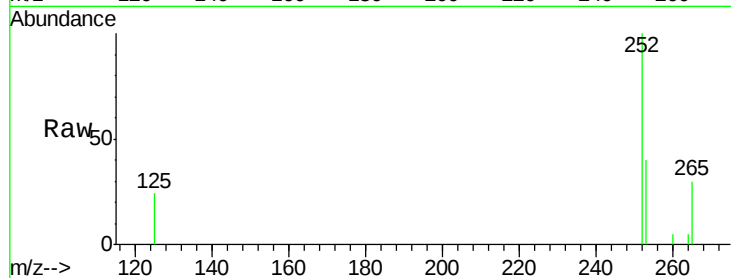
Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :



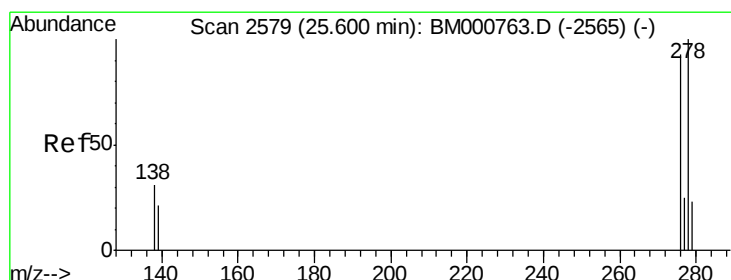
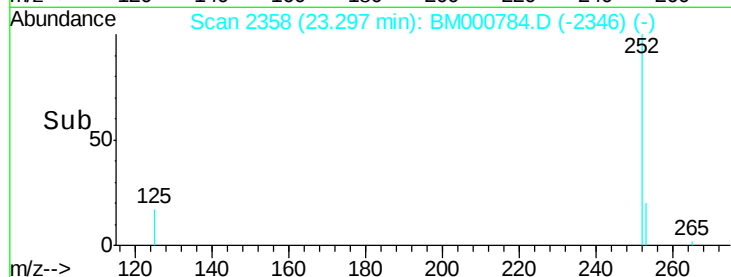
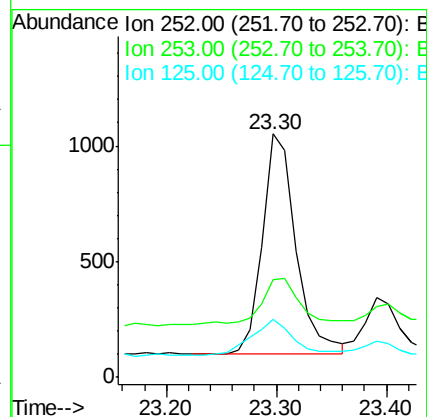
Tot Ion:252 Resp: 2015

Ion Ratio Lower Upper

252 100

253 40.1 19.4 29.2#

125 24.0 11.5 17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.07 ng

RT: 25.60 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

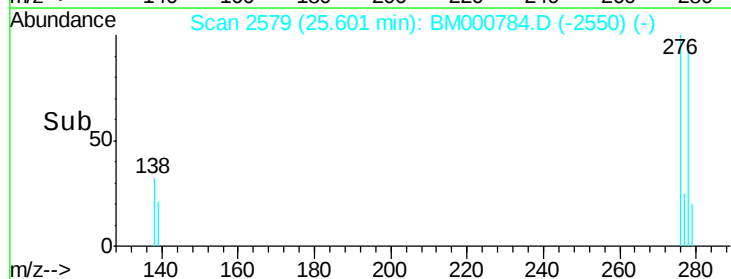
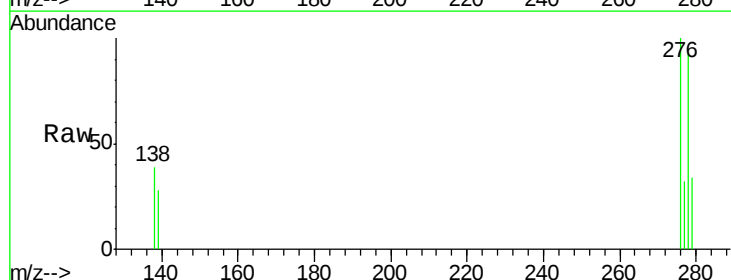
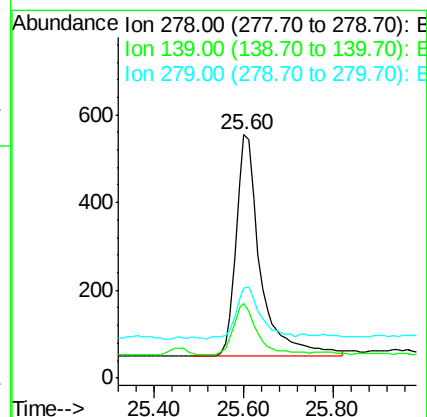
Tgt Ion:278 Resp: 1919

Ion Ratio Lower Upper

278 100

139 30.6 17.8 26.6#

279 36.9 19.3 28.9#





#30

Benzo(a,h,i)perylene

Concen: 0.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

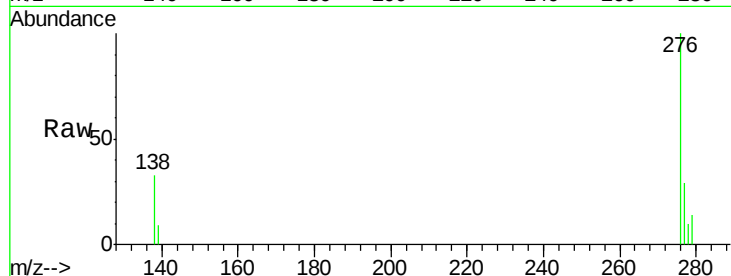
Lab File: BM000784.D

Acq: 01 Apr 2015 13:09

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 2271

Ion Ratio Lower Upper

276 100

277 29.0 19.1 28.7#

138 33.2 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

