

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000780.D
 Acq On : 01 Apr 2015 10:09
 Operator : TP/IZ
 Sample : MDL-BLK-W
 Misc : MDL-WATER-BLK
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-W

Quant Time: Apr 01 15:10:36 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	7.61	152	35511	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	121869	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	59657	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	130581	5.00	ng	0.00
19) Chrysene-d12	21.22	240	102914	5.00	ng	0.01
25) Perylene-d12	23.40	264	94832	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	62689	8.37	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	189433	10.24	ng	0.00
21) Terphenyl-d14	19.66	244	138331	11.17	ng	0.00

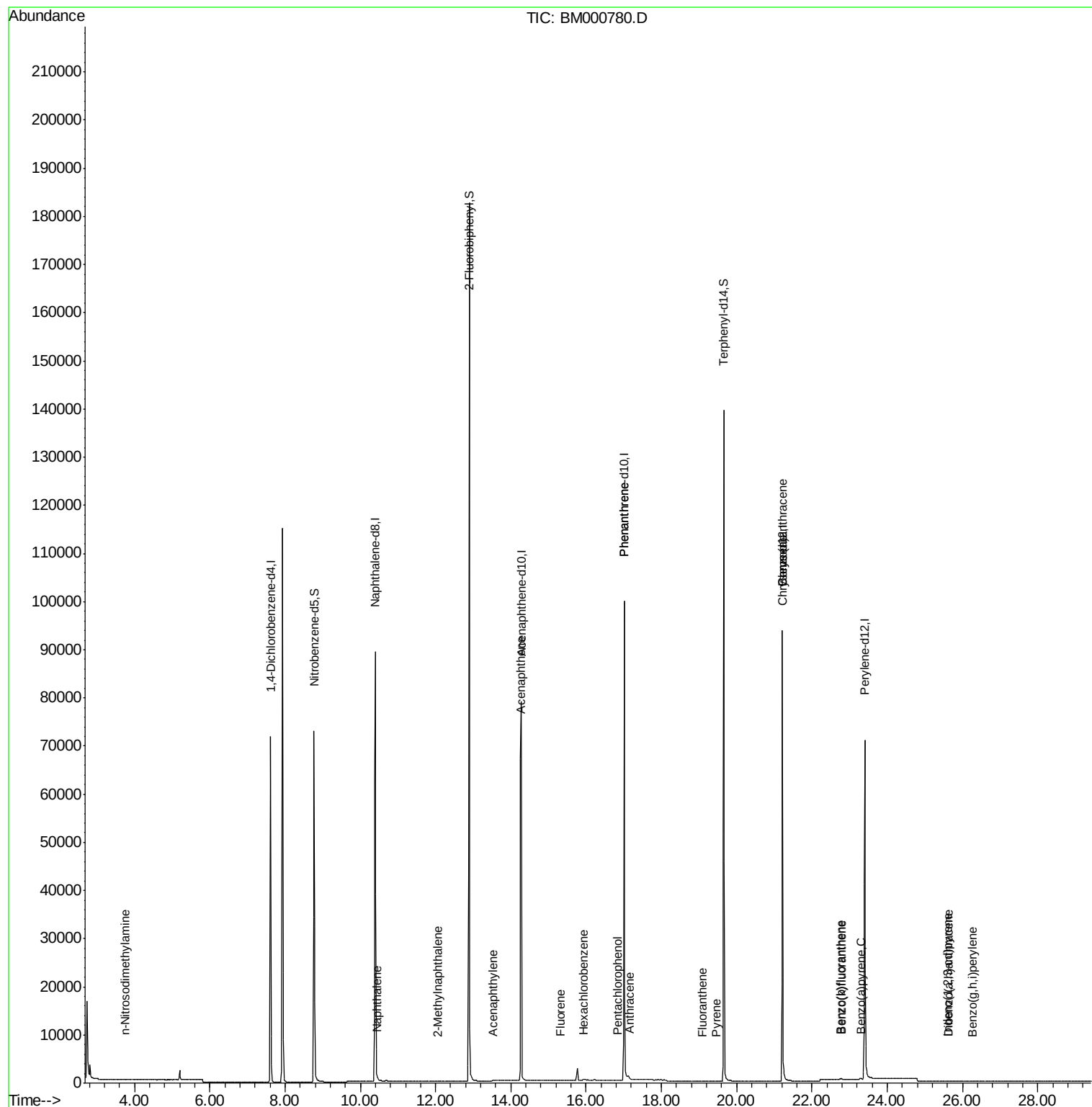
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.76	42	9	0.16	ng	# 1
6) Naphthalene	10.45	128	23	0.00	ng	# 1
7) 2-Methylnaphthalene	12.06	142	15	0.00	ng	# 51
10) Acenaphthylene	13.54	152	3	0.00	ng	# 62
11) Acenaphthene	14.26	154	259	0.01	ng	# 13
12) Fluorene	15.32	166	25	0.00	ng	# 9
14) Hexachlorobenzene	15.92	284	350	0.05	ng	# 58
15) Pentachlorophenol	16.84	266	5	0.36	ng	# 58
16) Phenanthrene	17.01	178	116	0.00	ng	# 1
17) Anthracene	17.15	178	27	0.00	ng	# 61
18) Fluoranthene	19.09	202	88	0.00	ng	# 86
20) Pyrene	19.45	202	87	0.00	ng	# 94
22) Benzo(a)anthracene	21.21	228	558	0.02	ng	# 84
23) Chrysene	21.21	228	558	0.02	ng	# 73
24) Indeno(1,2,3-cd)pyrene	25.61	276	160	0.01	ng	# 95
26) Benzo(b)fluoranthene	22.75	252	134	0.00	ng	# 1
27) Benzo(k)fluoranthene	22.80	252	124	0.00	ng	# 1
28) Benzo(a)pyrene	23.31	252	104	0.00	ng	# 1
29) Dibenzo(a,h)anthracene	25.62	278	134	0.01	ng	# 1
30) Benzo(g,h,i)perylene	26.27	276	161	0.01	ng	# 11

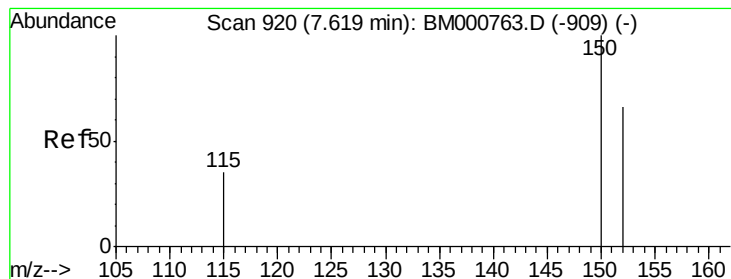
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 919

Delta R.T. -0.01 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

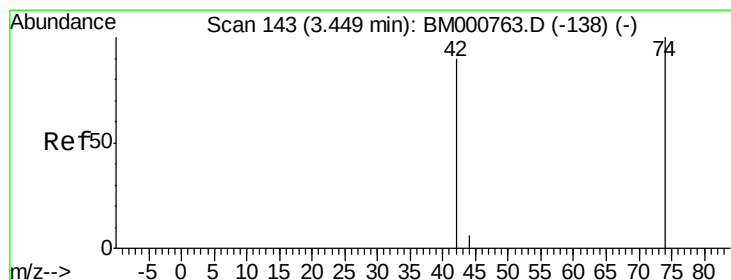
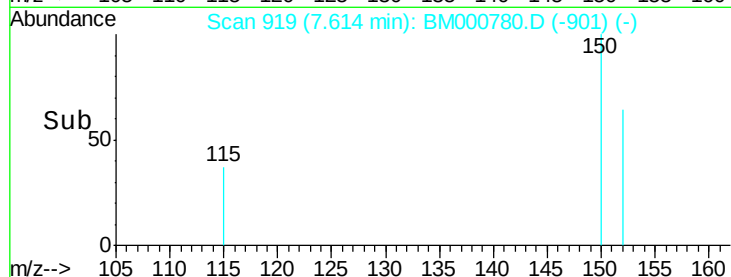
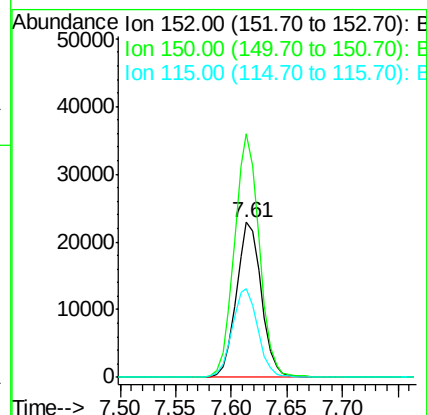
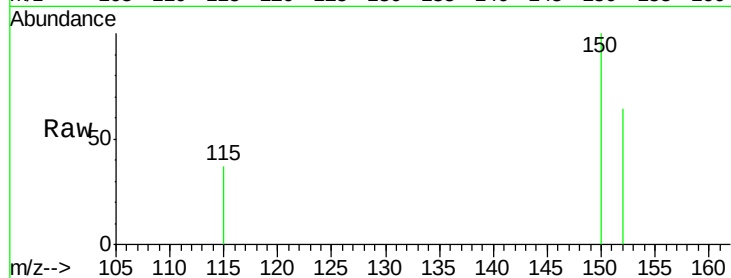
Tgt Ion:152 Resp: 35511

Ion Ratio Lower Upper

152 100

150 157.2 120.8 181.2

115 57.7 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.76 min Scan# 201

Delta R.T. 0.31 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

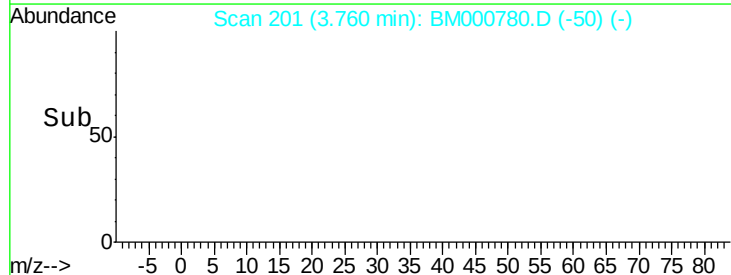
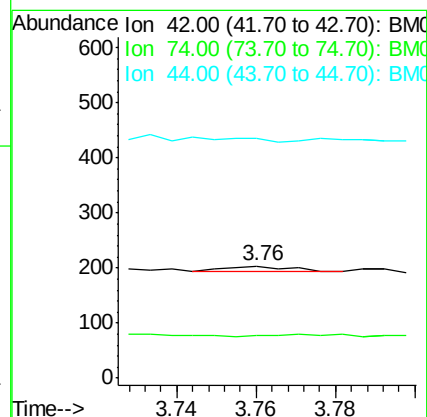
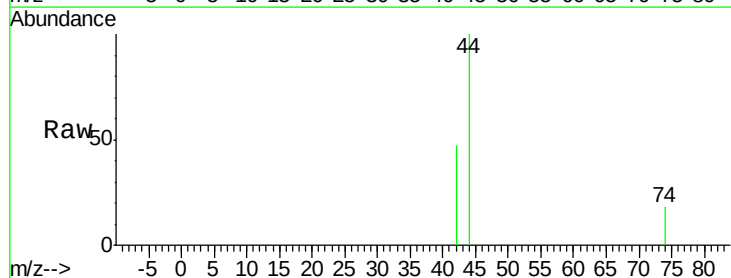
Tgt Ion: 42 Resp: 9

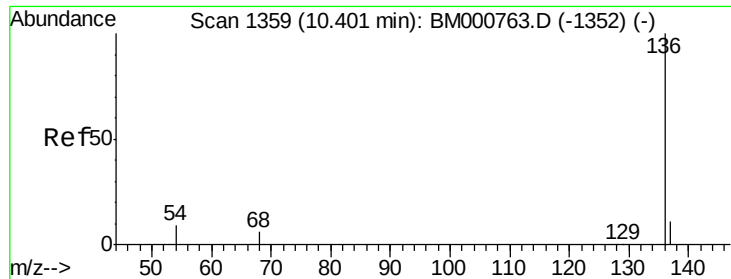
Ion Ratio Lower Upper

42 100

74 0.0 93.6 140.4#

44 0.0 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: BM000780.D

Acq: 01 Apr 2015 10:09

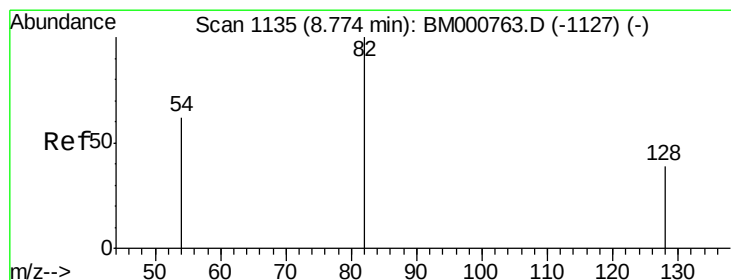
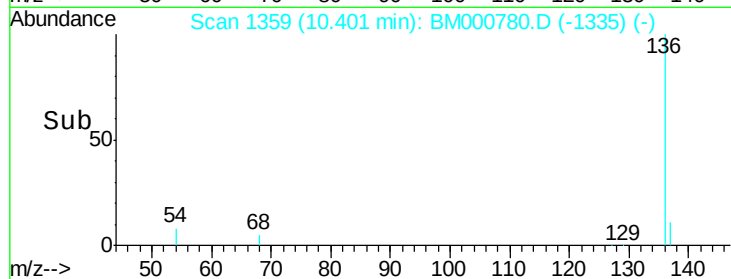
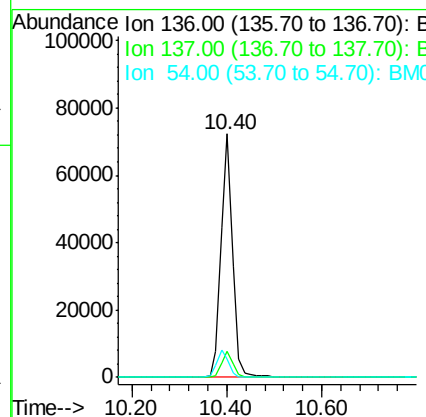
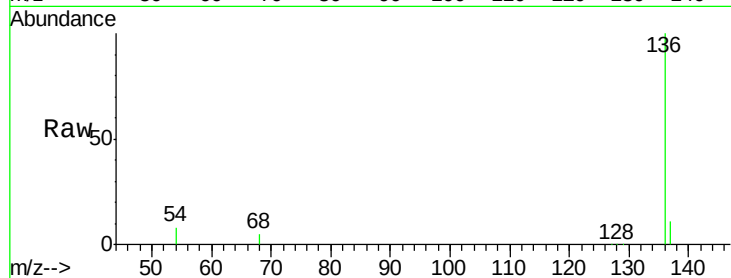
Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

Tgt Ion:	136	Resp:	121869
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.6	7.0	10.6



#5

Nitrobenzene-d5

Concen: 8.37 ng

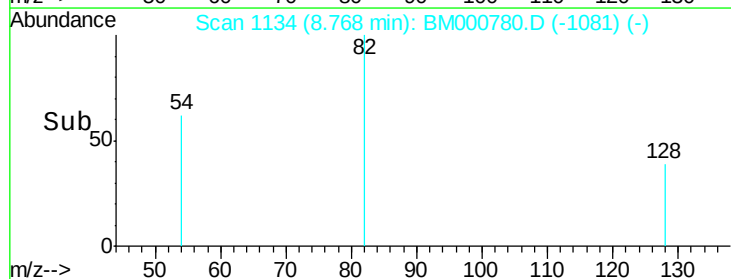
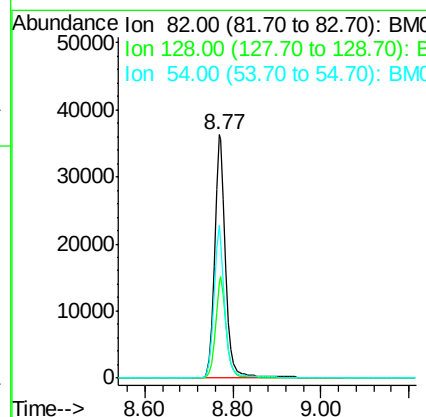
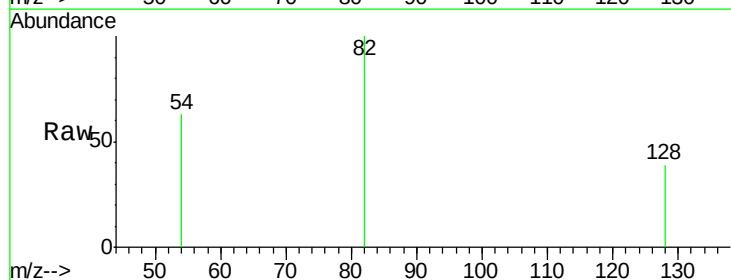
RT: 8.77 min Scan# 1134

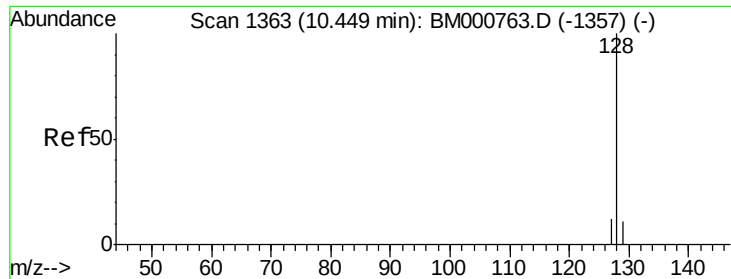
Delta R.T. -0.00 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Tgt Ion:	82	Resp:	62689
Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.2	48.2
54	62.5	50.2	75.4





#6

Naphthalene

Concen: 0.00 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

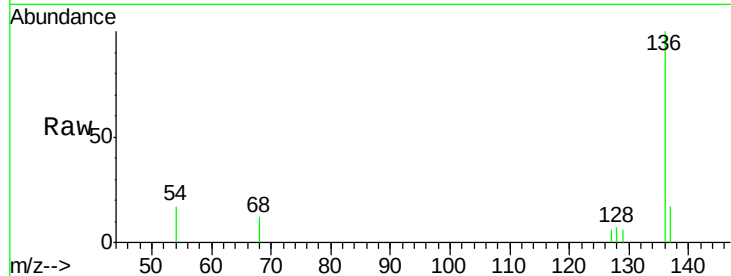
Tgt Ion:128 Resp: 23

Ion Ratio Lower Upper

128 100

129 86.4 8.9 13.3#

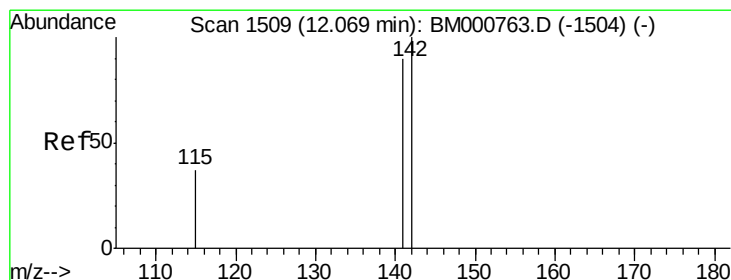
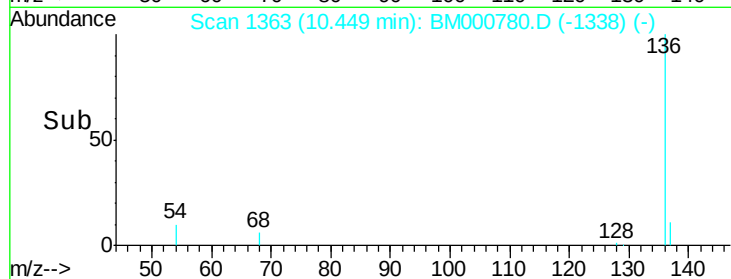
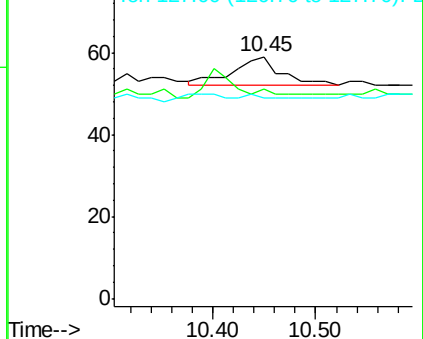
127 83.1 10.0 15.0#



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: 0.00 ng

RT: 12.06 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

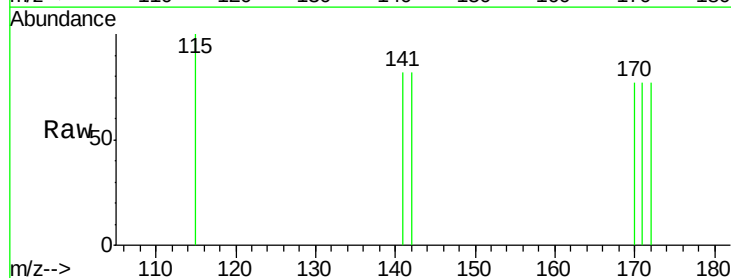
Tgt Ion:142 Resp: 15

Ion Ratio Lower Upper

142 100

141 100.0 72.3 108.5

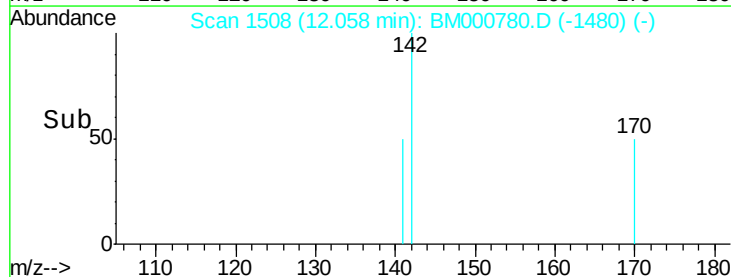
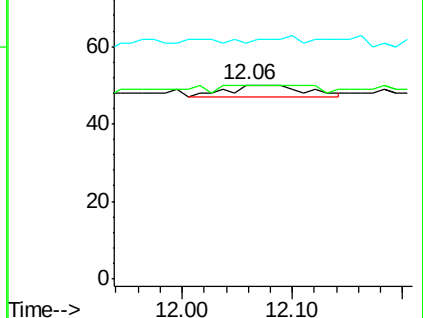
115 122.0 29.5 44.3#

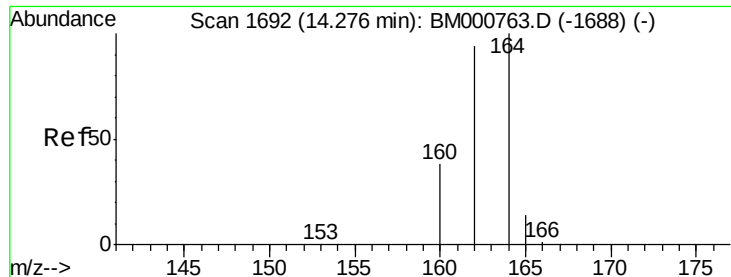


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

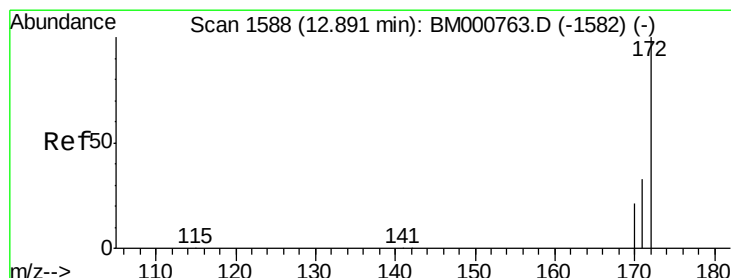
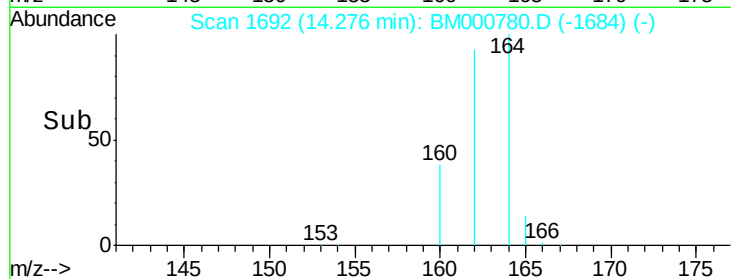
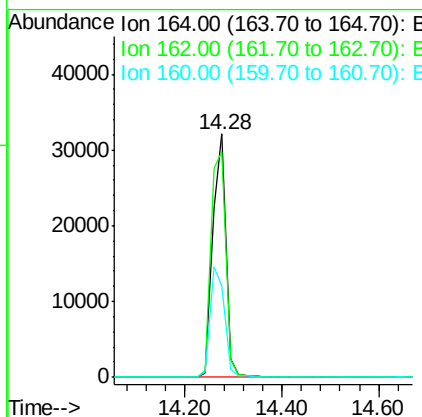
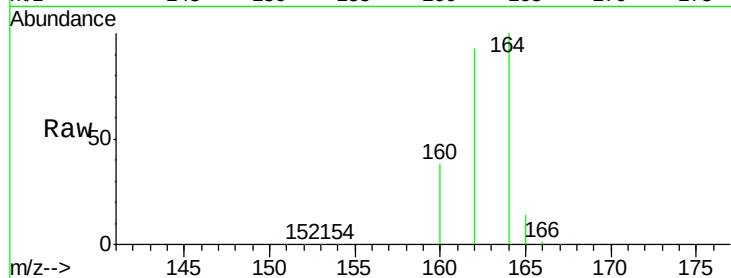




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 1692
Delta R.T. -0.00 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

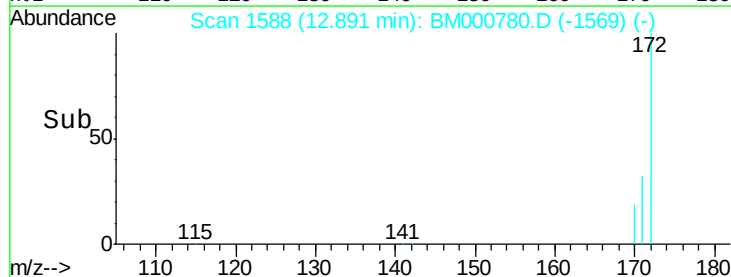
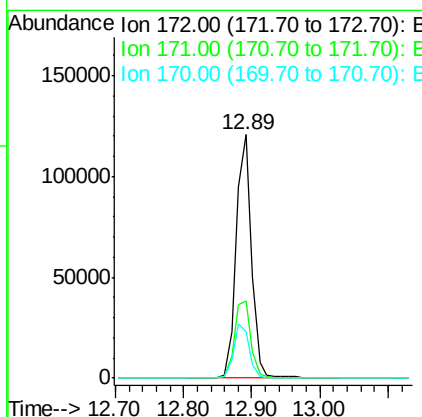
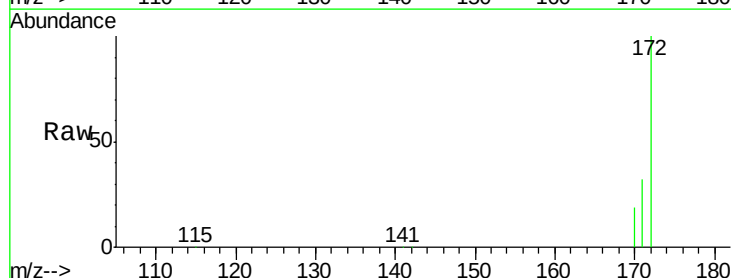
Instrument :
BNA_M
ClientSampleId :
MDL-BLK-W

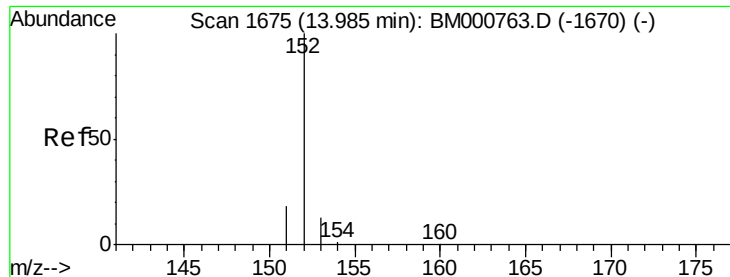
Tgt Ion:164 Resp: 59657
Ion Ratio Lower Upper
164 100
162 92.9 75.4 113.2
160 37.7 30.8 46.2



#9
2-Fluorobiphenyl
Concen: 10.24 ng
RT: 12.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

Tgt Ion:172 Resp: 189433
Ion Ratio Lower Upper
172 100
171 31.6 26.6 39.8
170 19.3 17.1 25.7





#10

Acenaphthylene

Concen: 0.00 ng

RT: 13.54 min Scan# 1649

Delta R.T. -0.45 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

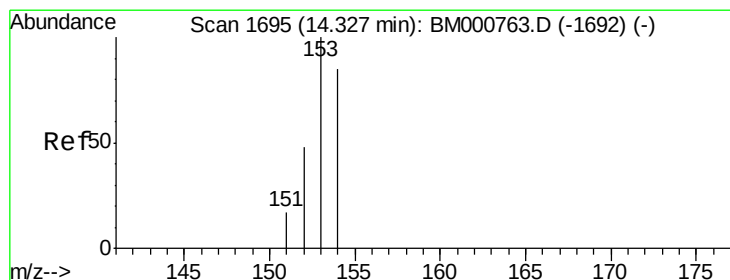
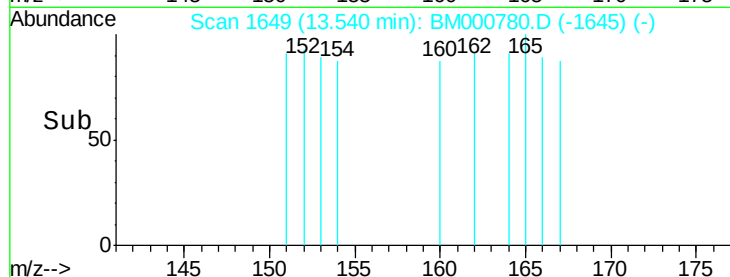
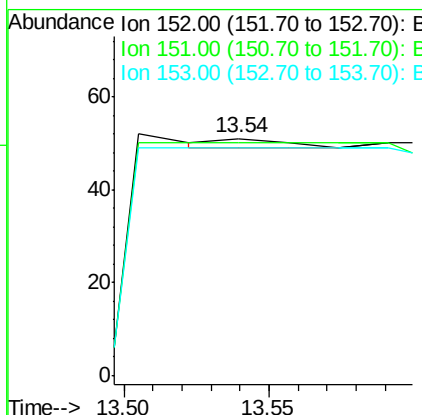
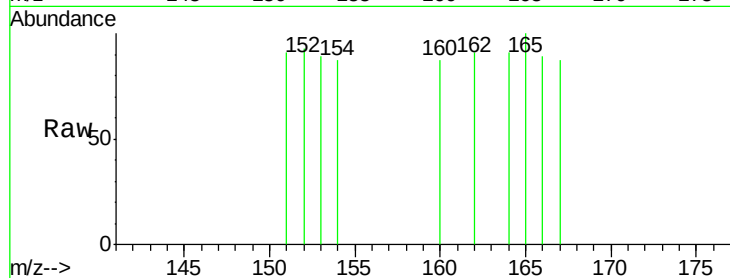
Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

Tgt Ion:	152	Resp:	3
Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.1	22.7#
153	0.0	10.2	15.4#



#11

Acenaphthene

Concen: 0.01 ng

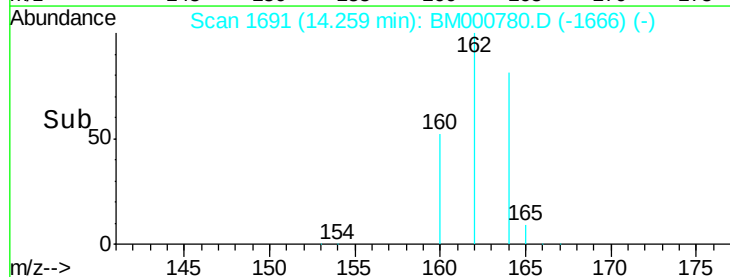
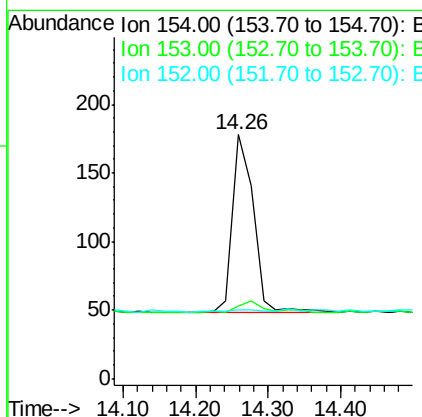
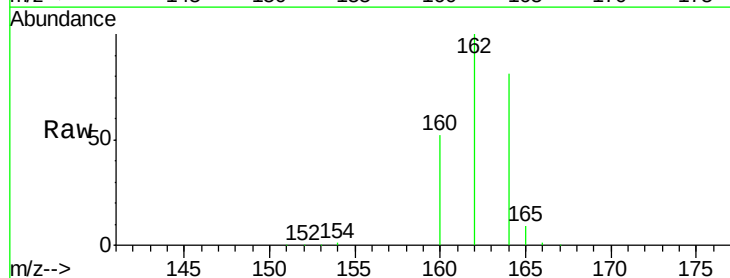
RT: 14.26 min Scan# 1691

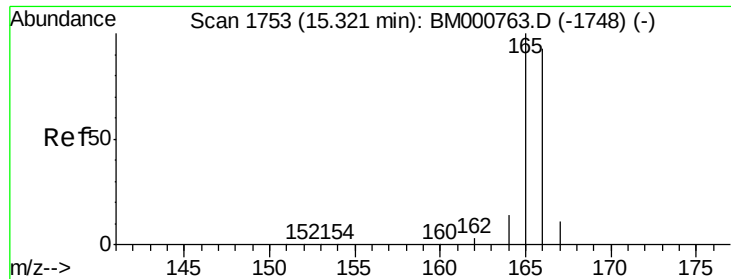
Delta R.T. -0.07 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Tgt Ion:	154	Resp:	259
Ion	Ratio	Lower	Upper
154	100		
153	9.3	87.3	130.9#
152	3.1	43.0	64.6#





#12

Fluorene

Concen: 0.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

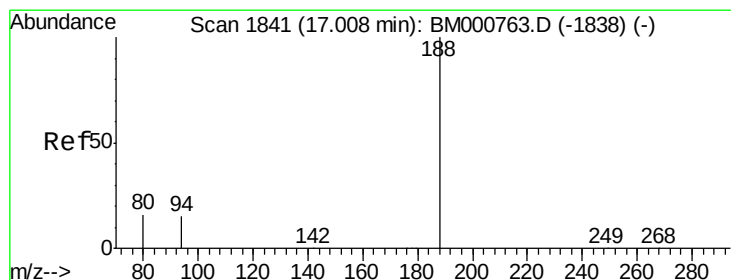
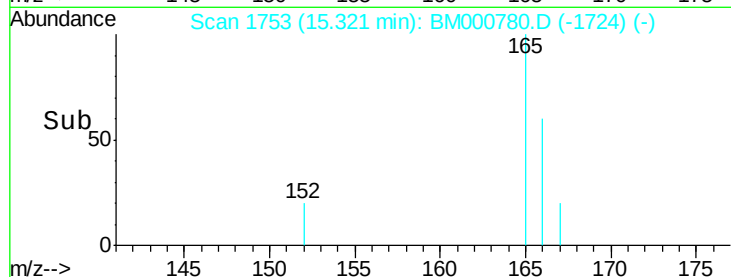
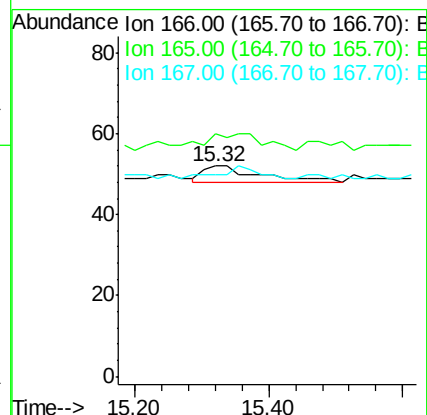
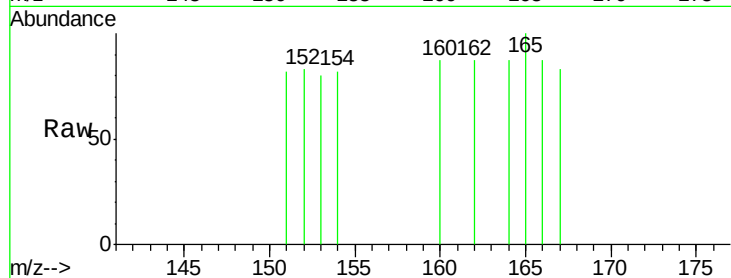
Tgt Ion:166 Resp: 25

Ion Ratio Lower Upper

166 100

165 0.0 78.2 117.2#

167 0.0 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: BM000780.D

Acq: 01 Apr 2015 10:09

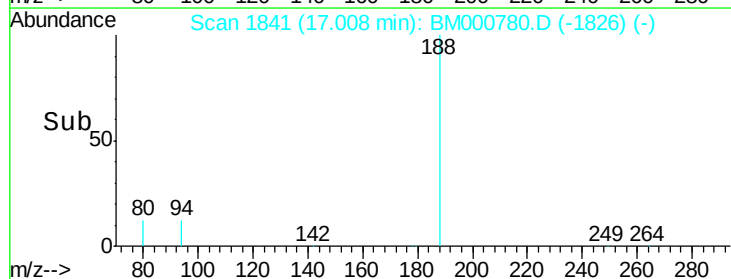
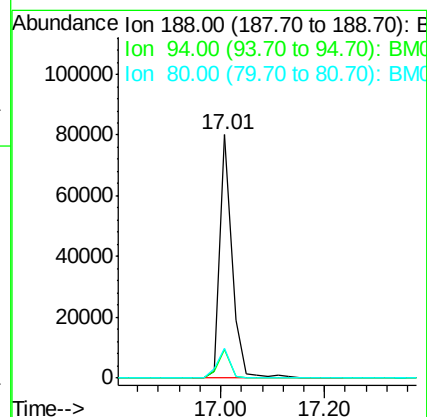
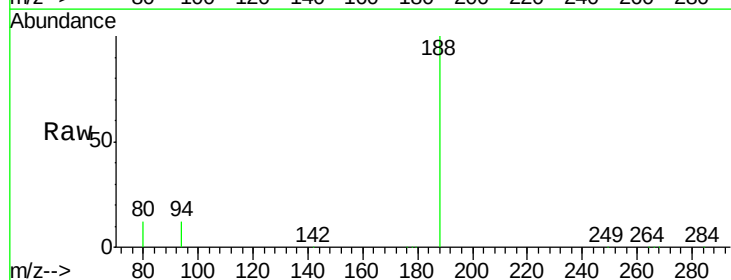
Tgt Ion:188 Resp: 130581

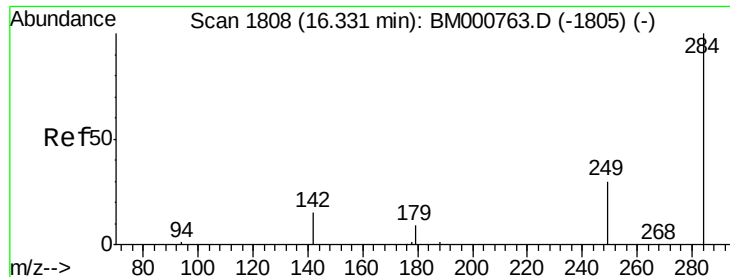
Ion Ratio Lower Upper

188 100

94 11.7 12.0 18.0#

80 12.2 12.8 19.2#





#14

Hexachlorobenzene

Concen: 0.05 ng

RT: 15.92 min Scan# 1788

Delta R.T. -0.41 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

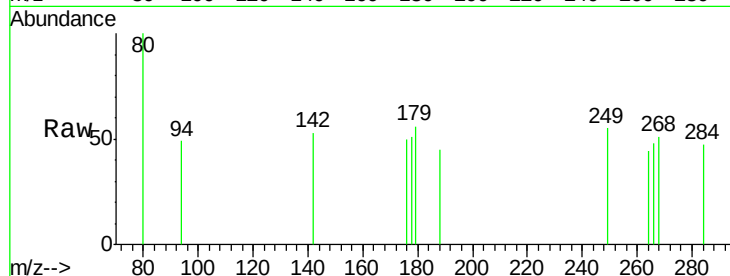
Tgt Ion:284 Resp: 350

Ion Ratio Lower Upper

284 100

142 195.7 0.0 0.0#

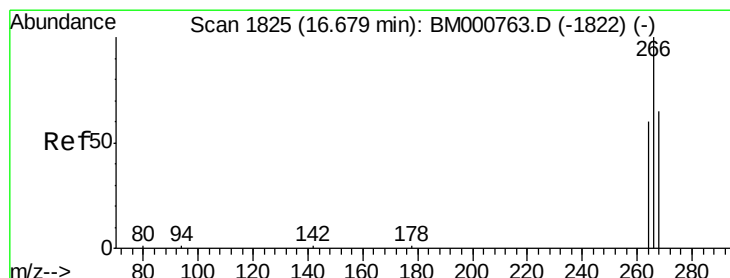
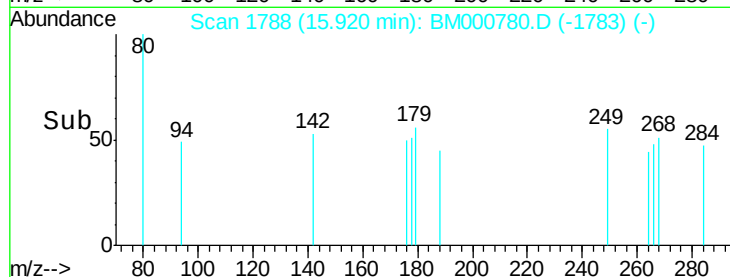
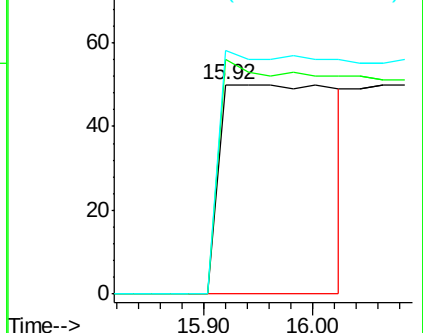
249 54.9 25.2 37.8#



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: 0.36 ng

RT: 16.84 min Scan# 1833

Delta R.T. 0.16 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

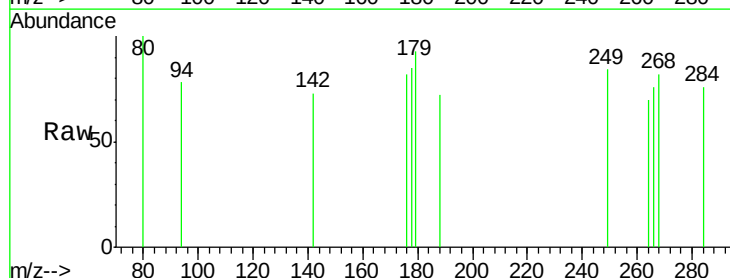
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

268 107.8 55.0 82.6#

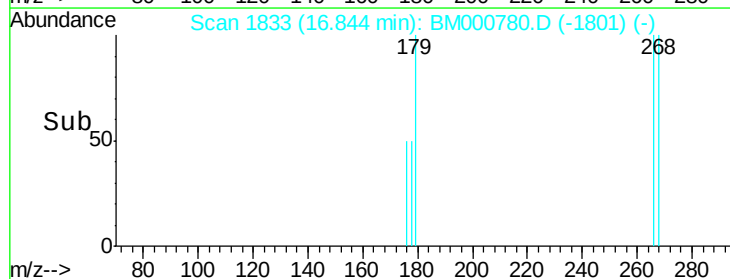
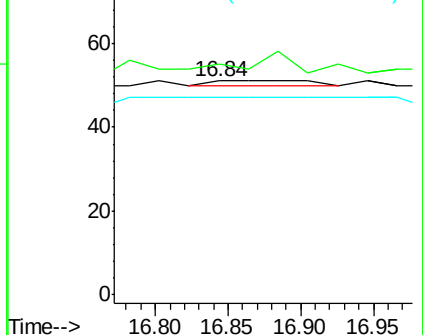
264 92.2 51.0 76.4#

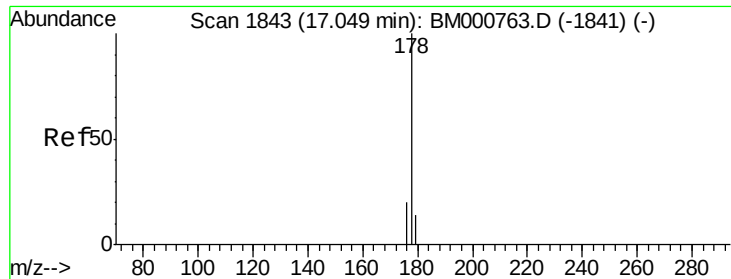


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

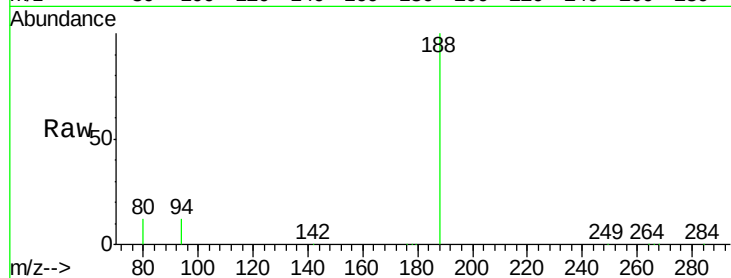
Tgt Ion:178 Resp: 116

Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

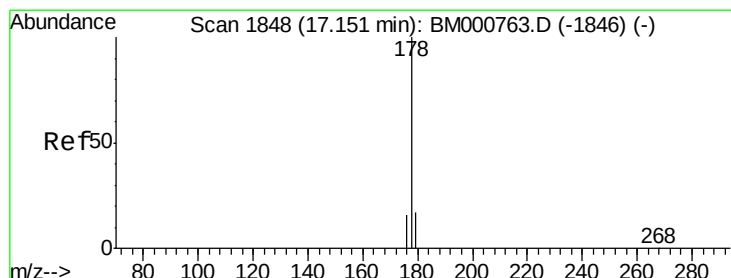
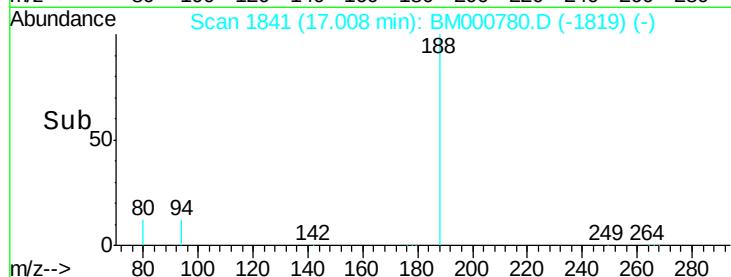
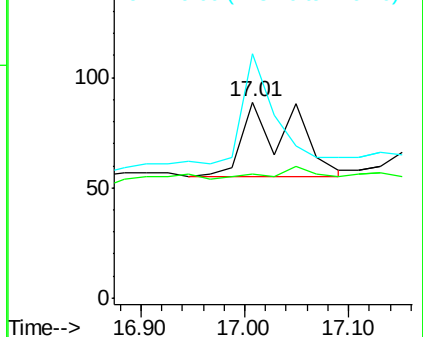
179 116.4 12.2 18.2#



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: 0.00 ng

RT: 17.15 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

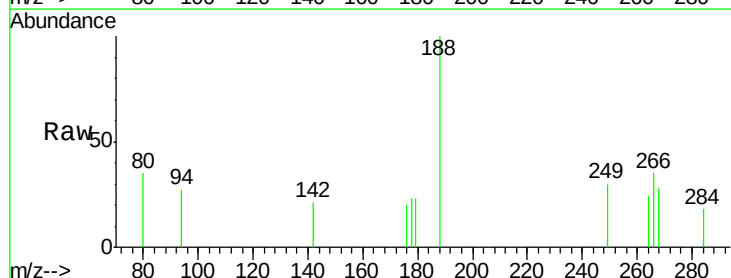
Tgt Ion:178 Resp: 27

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

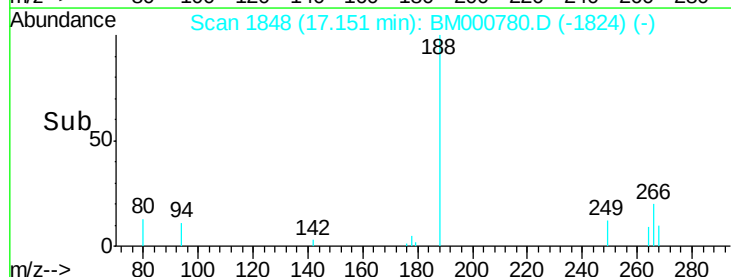
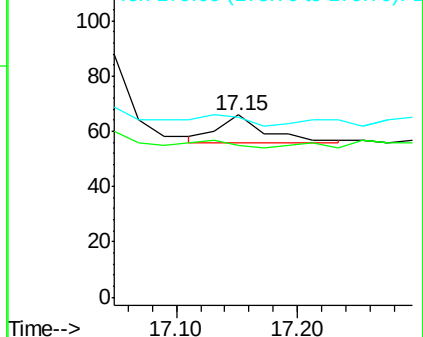
179 0.0 12.2 18.4#

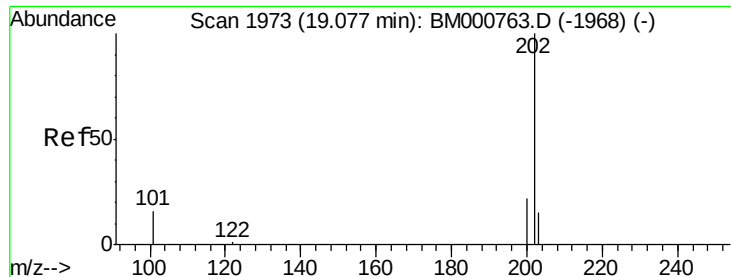


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

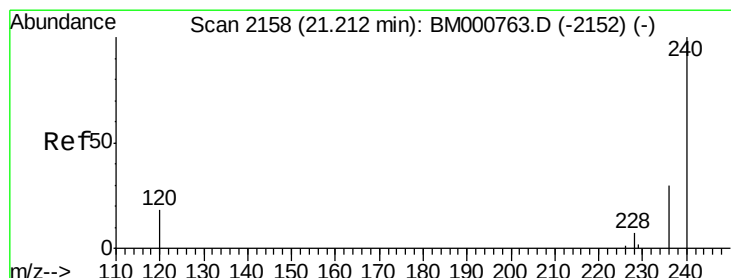
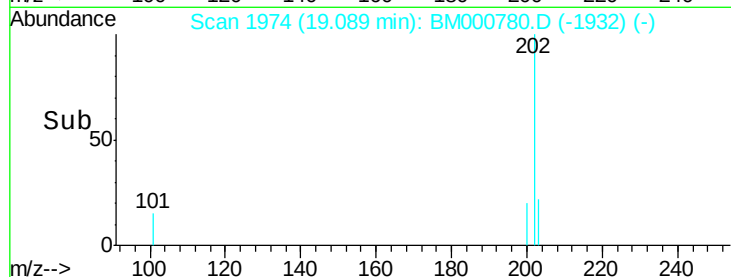
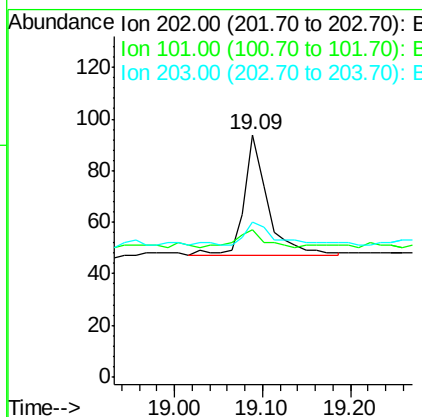
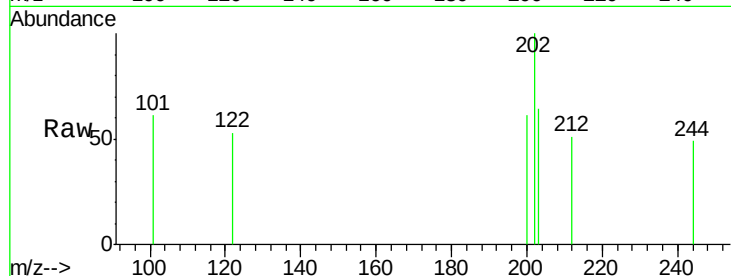




#18
 Fluoranthene
 Concen: 0.00 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000780.D
 Acq: 01 Apr 2015 10:09

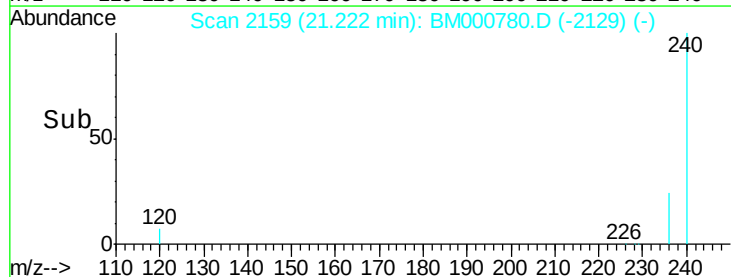
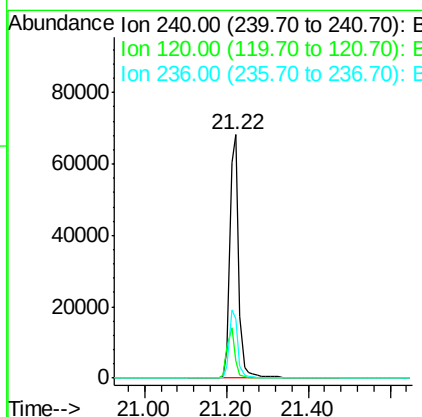
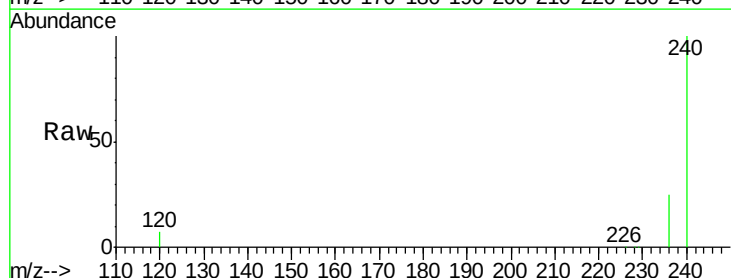
Instrument :
 BNA_M
 ClientSampleId :
 MDL-BLK-W

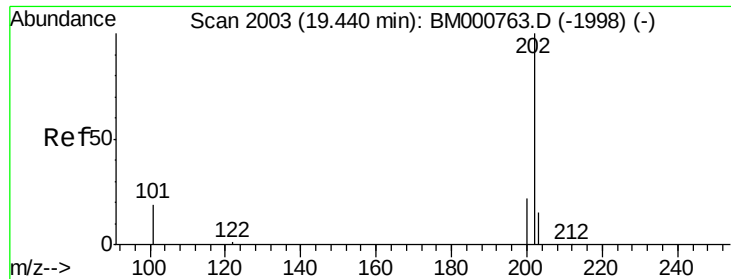
Tgt Ion: 202 Resp: 88
 Ion Ratio Lower Upper
 202 100
 101 17.0 10.5 15.7#
 203 25.0 13.8 20.8#



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.22 min Scan# 2159
 Delta R.T. 0.01 min
 Lab File: BM000780.D
 Acq: 01 Apr 2015 10:09

Tgt Ion: 240 Resp: 102914
 Ion Ratio Lower Upper
 240 100
 120 6.8 14.9 22.3#
 236 24.6 24.2 36.4

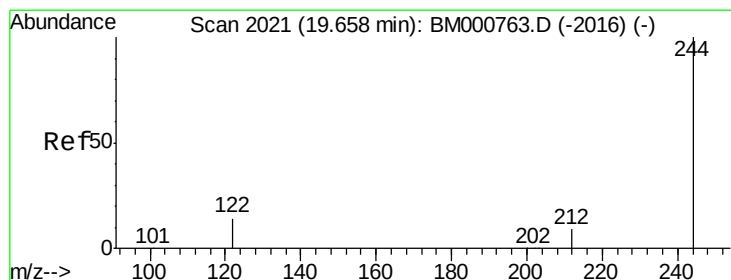
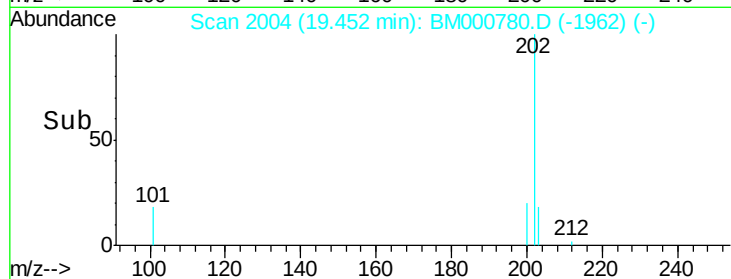
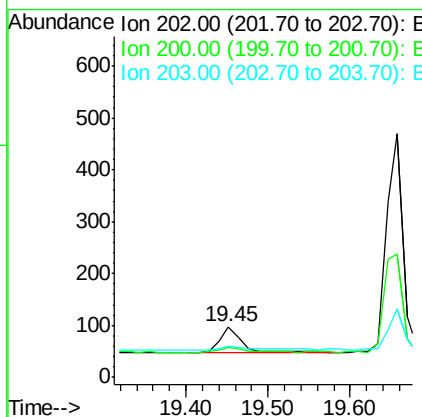
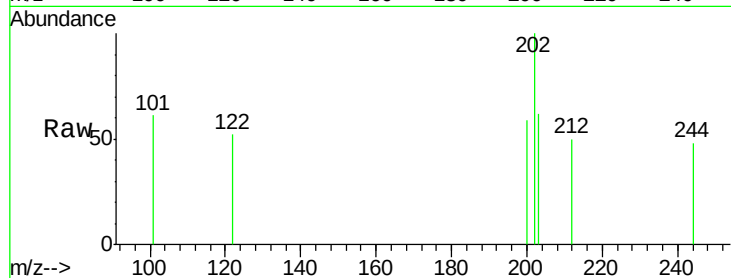




#20
Pyrene
Concen: 0.00 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

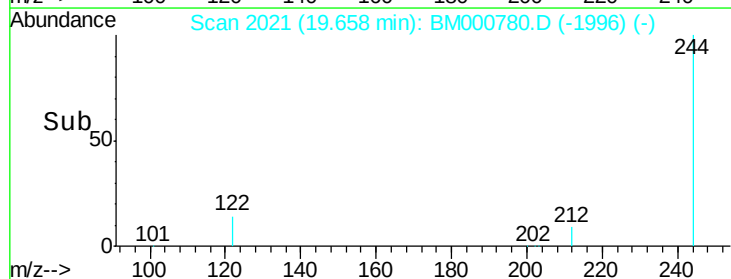
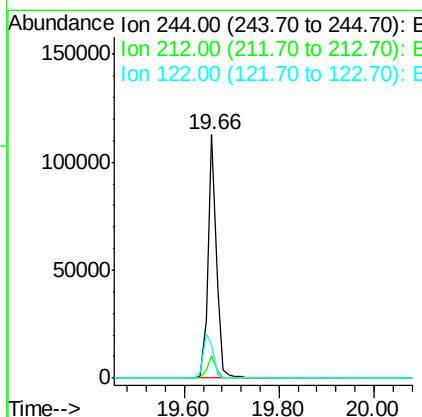
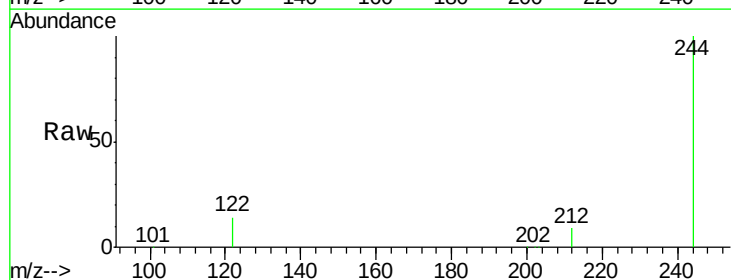
Instrument :
BNA_M
ClientSampleId :
MDL-BLK-W

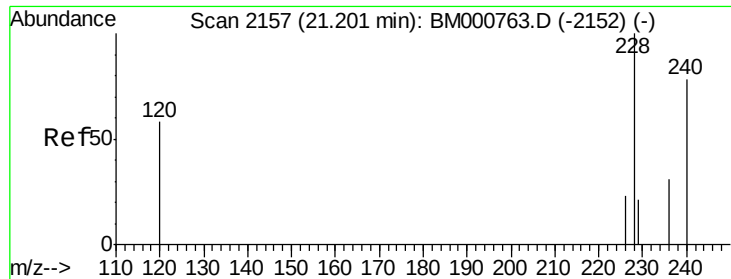
Tgt Ion:202 Resp: 87
Ion Ratio Lower Upper
202 100
200 23.0 16.2 24.2
203 19.5 13.9 20.9



#21
Terphenyl-d14
Concen: 11.17 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

Tgt Ion:244 Resp: 138331
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 13.8 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.21 min Scan# 2158

Delta R.T. 0.01 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

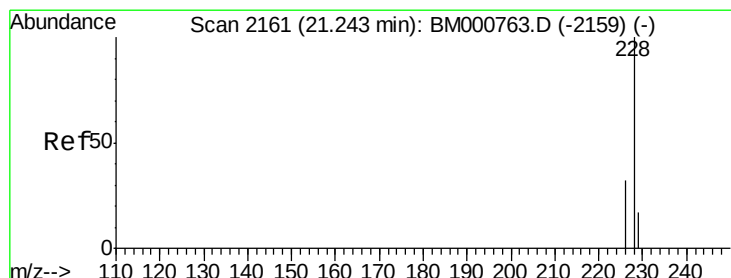
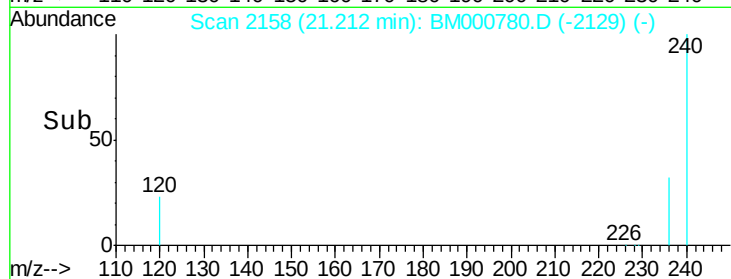
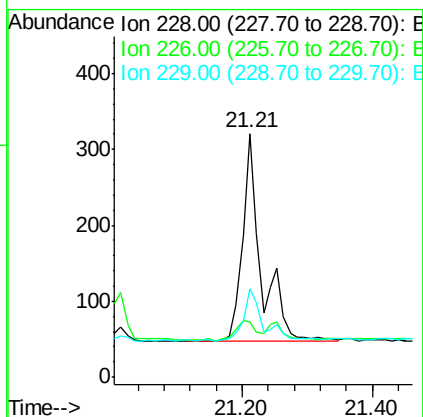
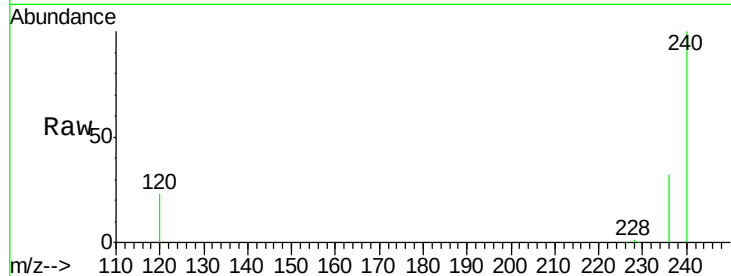
Tgt Ion:228 Resp: 558

Ion Ratio Lower Upper

228 100

226 22.4 18.6 27.8

229 36.4 17.2 25.8#



#23

Chrysene

Concen: 0.02 ng

RT: 21.21 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

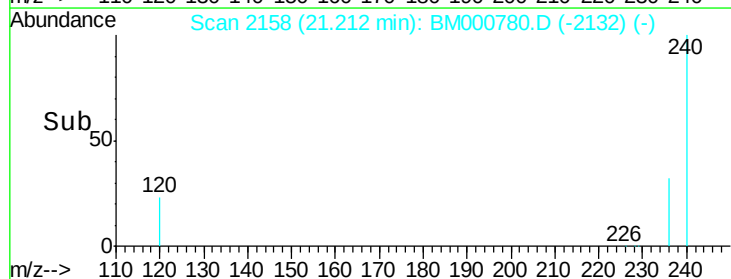
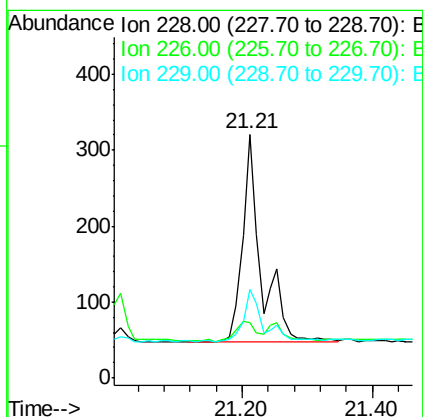
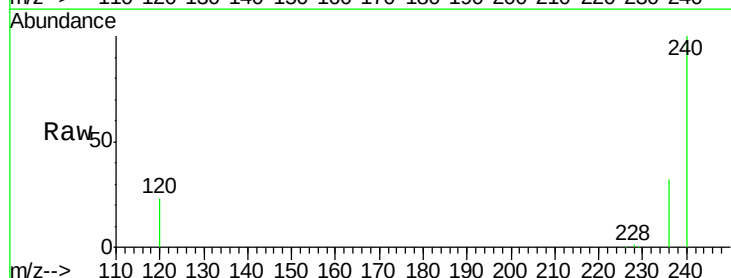
Tgt Ion:228 Resp: 558

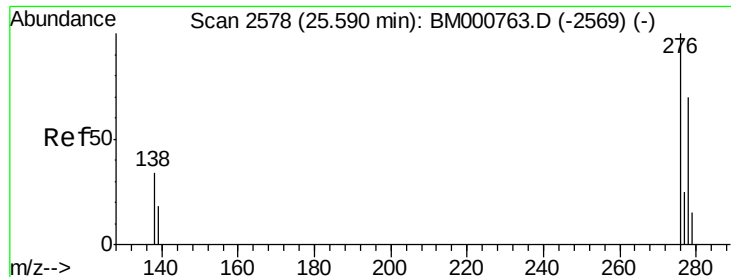
Ion Ratio Lower Upper

228 100

226 22.4 25.8 38.8#

229 36.4 13.8 20.6#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 25.61 min Scan# 2580

Delta R.T. 0.02 min

Lab File: BM000780.D

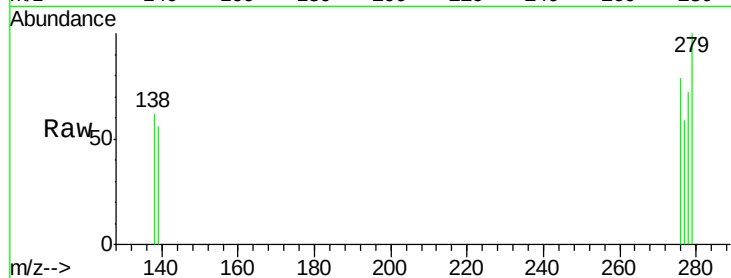
Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W



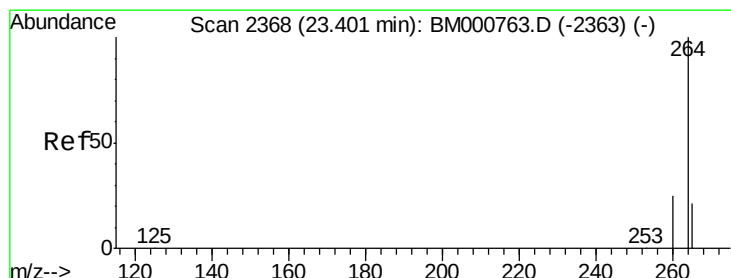
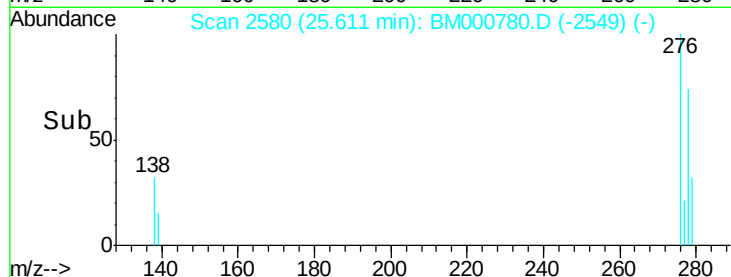
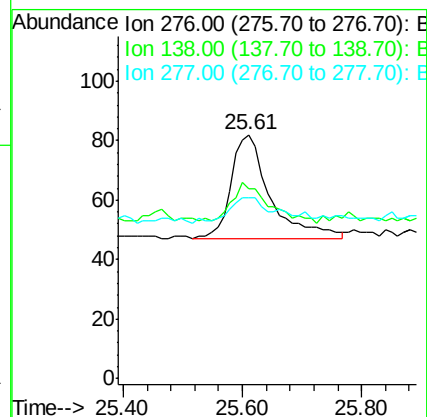
Tgt Ion:276 Resp: 160

Ion Ratio Lower Upper

276 100

138 38.8 27.4 41.2

277 24.4 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: BM000780.D

Acq: 01 Apr 2015 10:09

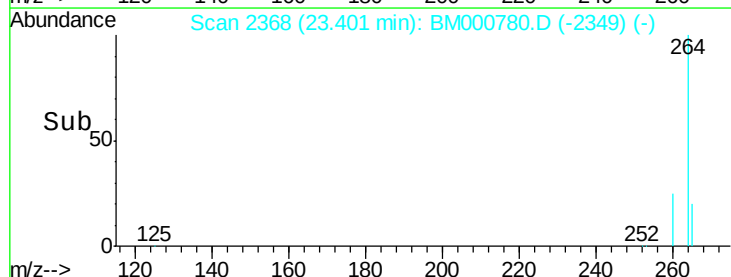
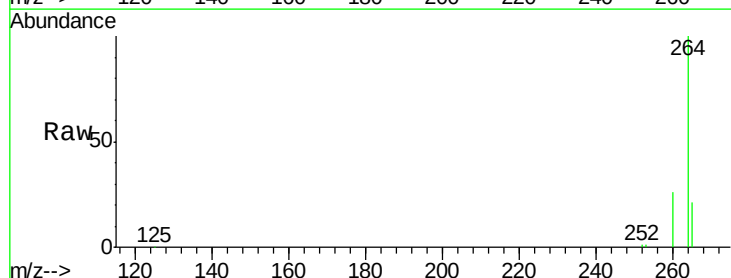
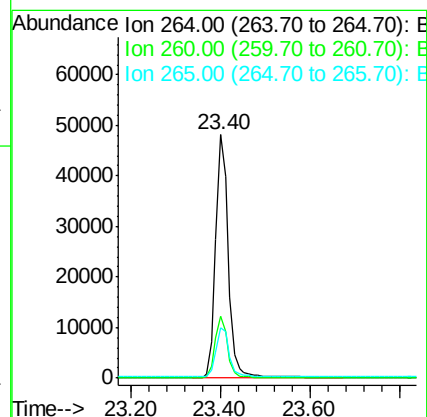
Tgt Ion:264 Resp: 94832

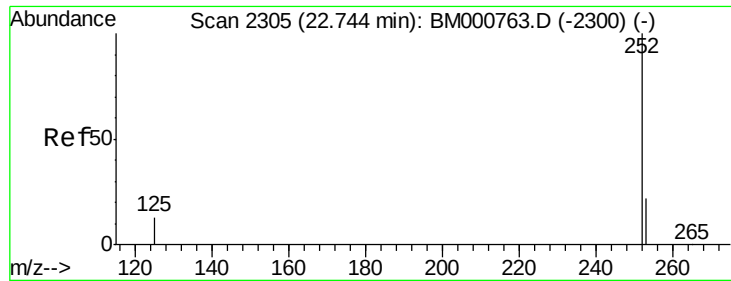
Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 20.8 17.4 26.0

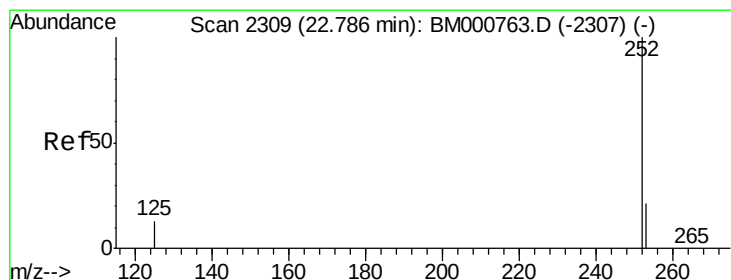
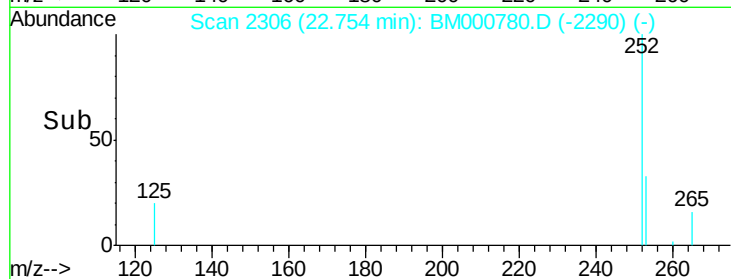
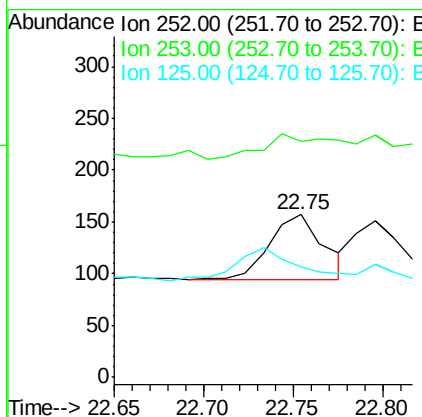
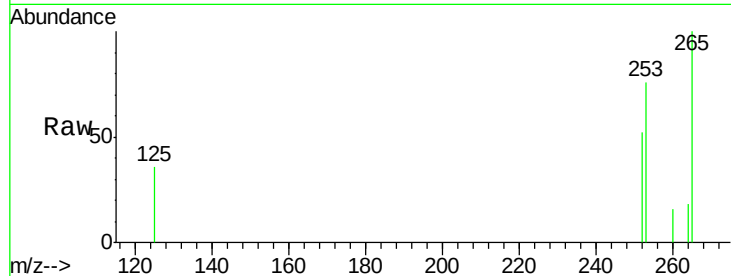




#26
Benzo(b)fluoranthene
Concen: 0.00 ng
RT: 22.75 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

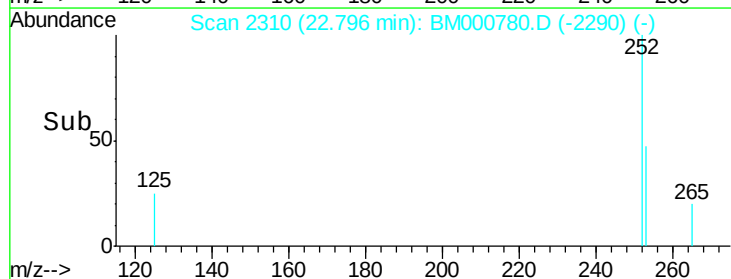
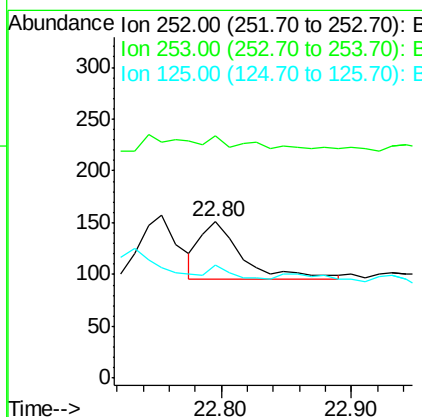
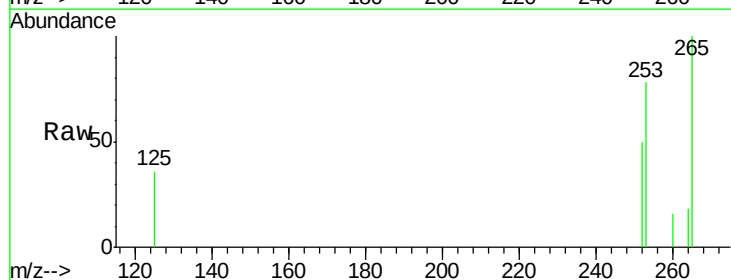
Instrument :
BNA_M
ClientSampled :
MDL-BLK-W

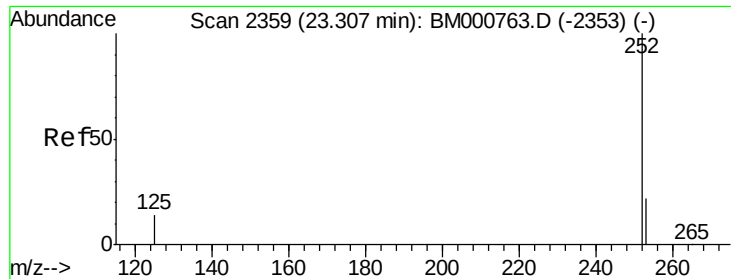
Tgt Ion: 252 Resp: 134
Ion Ratio Lower Upper
252 100
253 145.2 18.5 27.7#
125 68.2 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 22.80 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BM000780.D
Acq: 01 Apr 2015 10:09

Tgt Ion: 252 Resp: 124
Ion Ratio Lower Upper
252 100
253 155.0 17.9 26.9#
125 72.2 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.00 ng

RT: 23.31 min Scan# 2359

Delta R.T. -0.00 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W

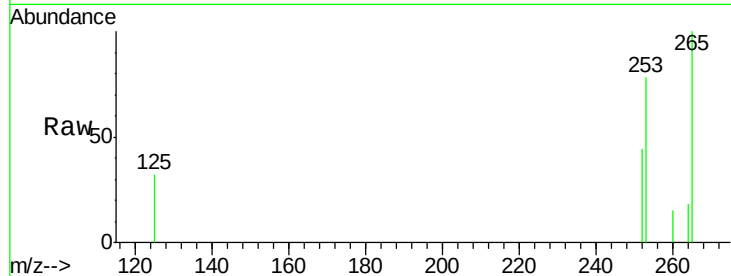
Tgt Ion:252 Resp: 104

Ion Ratio Lower Upper

252 100

253 175.7 19.4 29.2#

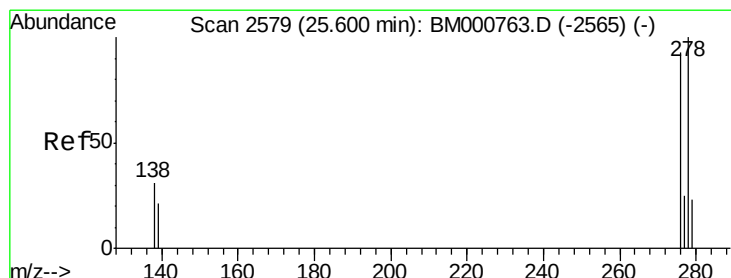
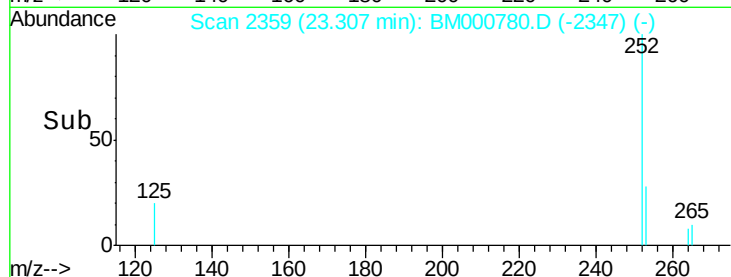
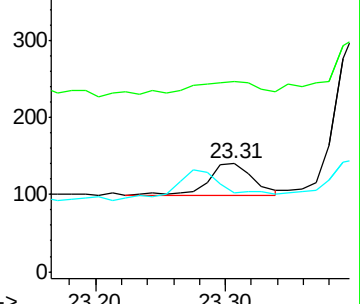
125 72.9 11.5 17.3#



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: 0.01 ng

RT: 25.62 min Scan# 2581

Delta R.T. 0.02 min

Lab File: BM000780.D

Acq: 01 Apr 2015 10:09

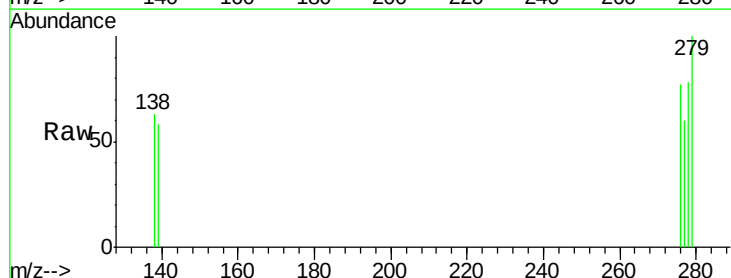
Tgt Ion:278 Resp: 134

Ion Ratio Lower Upper

278 100

139 74.7 17.8 26.6#

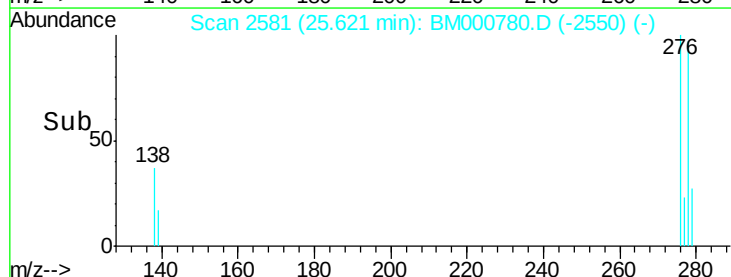
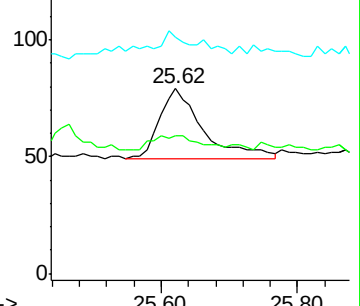
279 127.8 19.3 28.9#

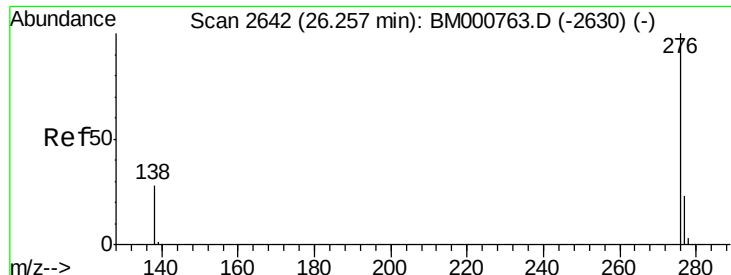


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng

RT: 26.27 min Scan# 2643

Delta R.T. 0.01 min

Lab File: BM000780.D

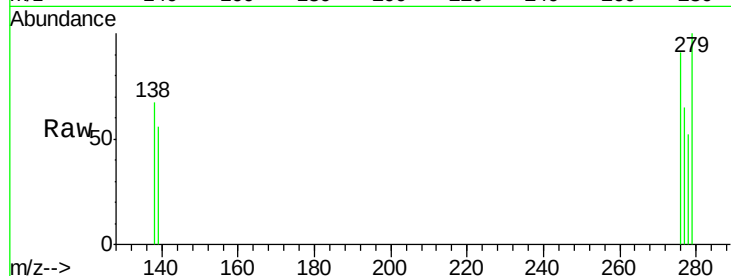
Acq: 01 Apr 2015 10:09

Instrument :

BNA_M

ClientSampleId :

MDL-BLK-W



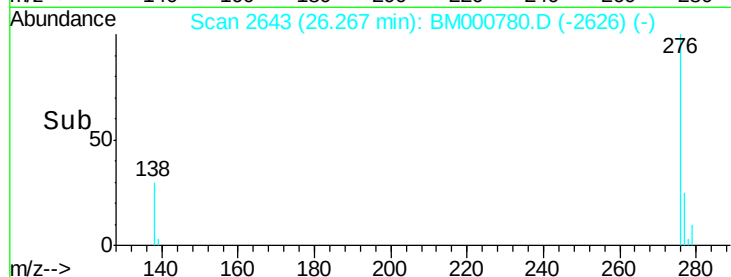
Tgt Ion: 276 Resp: 161

Ion Ratio Lower Upper

276 100

277 71.1 19.1 28.7#

138 73.3 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

26.27

