

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000781.D
 Acq On : 01 Apr 2015 11:22
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:26:30 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	35908	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	123883	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	59669	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	130495	5.00	ng	0.00
19) Chrysene-d12	21.21	240	107525	5.00	ng	0.00
25) Perylene-d12	23.40	264	100214	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	30224	4.07	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	110645	5.98	ng	0.00
21) Terphenyl-d14	19.66	244	137816	10.65	ng	0.00

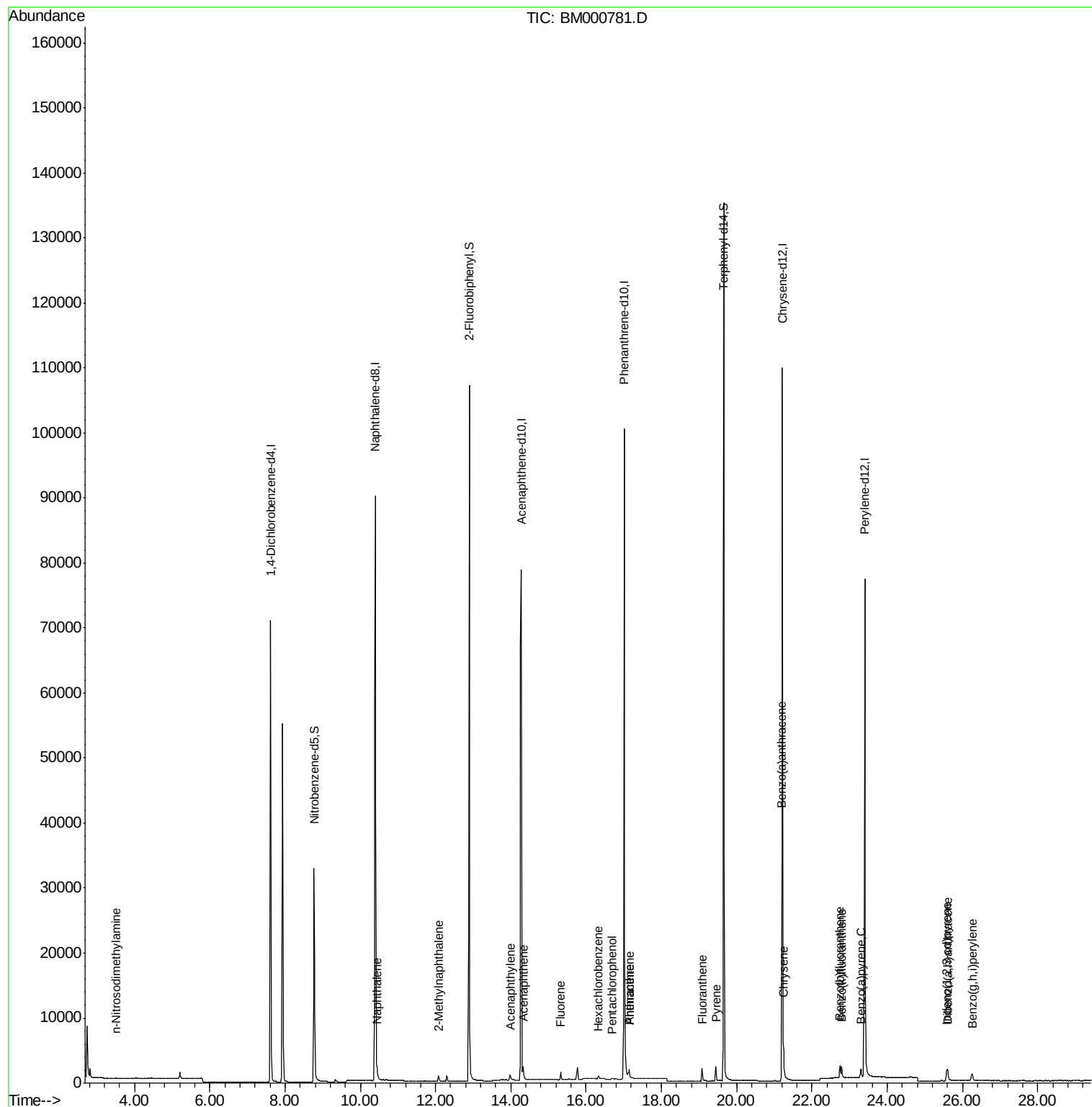
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.51	42	71	0.17	ng	# 33
6) Naphthalene	10.45	128	1219	0.04	ng	# 84
7) 2-Methylnaphthalene	12.08	142	753	0.04	ng	# 96
10) Acenaphthylene	13.98	152	1136	0.04	ng	98
11) Acenaphthene	14.33	154	910	0.05	ng	96
12) Fluorene	15.32	166	1158	0.06	ng	98
14) Hexachlorobenzene	16.33	284	489	0.06	ng	# 97
15) Pentachlorophenol	16.68	266	26	0.37	ng	# 61
16) Phenanthrene	17.15	178	1952	0.05	ng	98
17) Anthracene	17.15	178	1952	0.07	ng	99
18) Fluoranthene	19.09	202	2472	0.07	ng	99
20) Pyrene	19.45	202	2625	0.07	ng	99
22) Benzo(a)anthracene	21.20	228	2507	0.08	ng	96
23) Chrysene	21.24	228	2878	0.09	ng	97
24) Indeno(1,2,3-cd)pyrene	25.59	276	2581	0.08	ng	98
26) Benzo(b)fluoranthene	22.74	252	2383	0.08	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2490	0.08	ng	# 76
28) Benzo(a)pyrene	23.30	252	2105	0.08	ng	# 71
29) Dibenzo(a,h)anthracene	25.60	278	2046	0.08	ng	# 78
30) Benzo(a,h,i)perylene	26.26	276	2373	0.08	ng	# 91

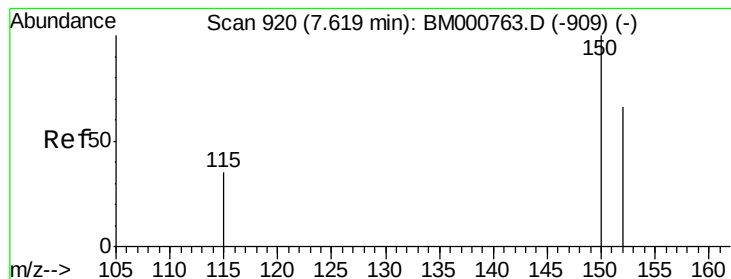
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

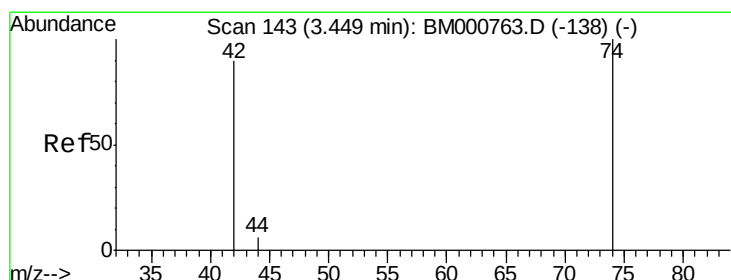
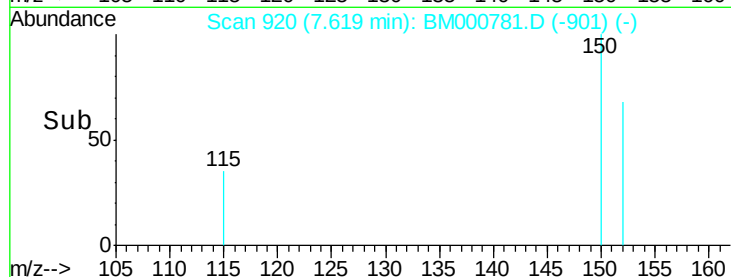
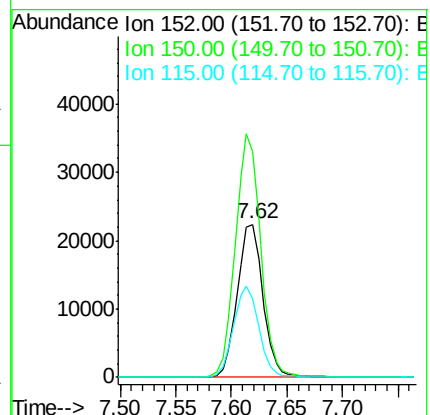
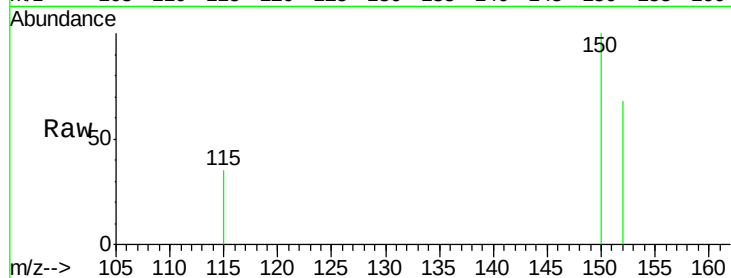
Tot Ion:152 Resp: 35908

Ion Ratio Lower Upper

152 100

150 147.3 120.8 181.2

115 51.1 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 3.51 min Scan# 154

Delta R.T. 0.06 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

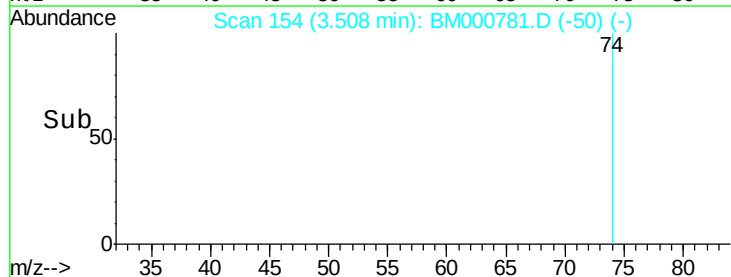
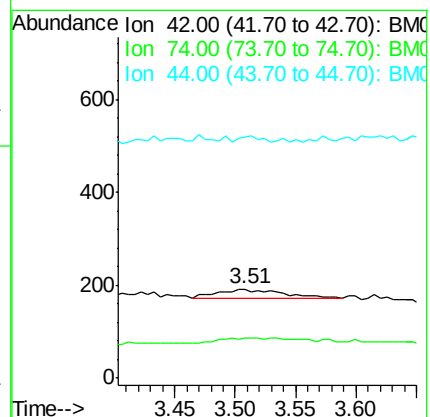
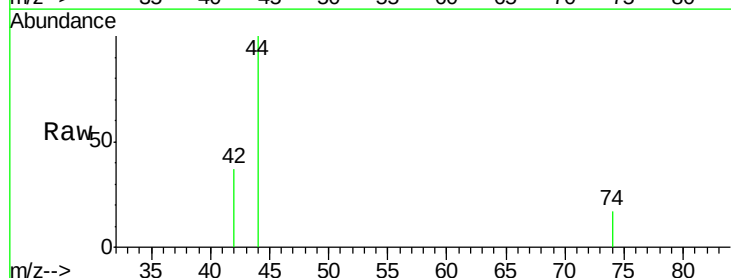
Tgt Ion: 42 Resp: 71

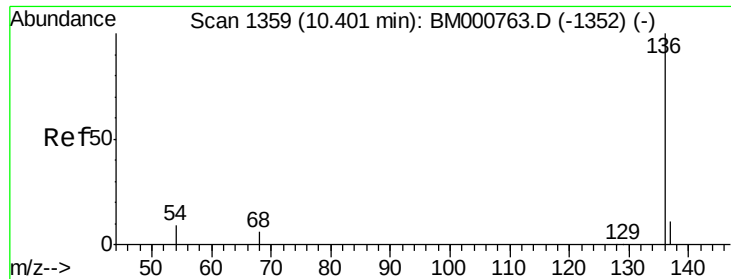
Ion Ratio Lower Upper

42 100

74 42.3 93.6 140.4#

44 22.5 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: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampled :

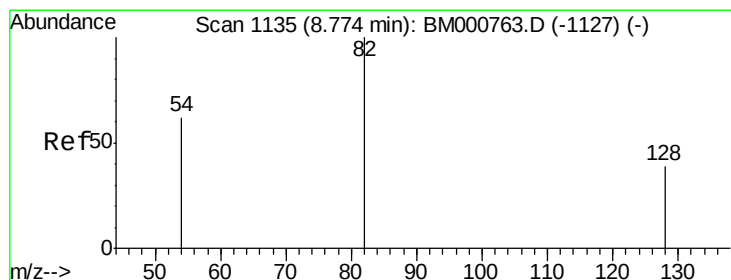
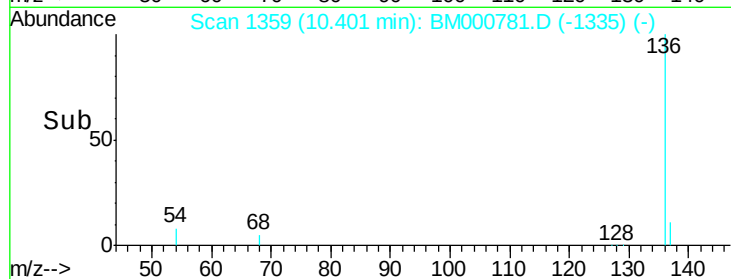
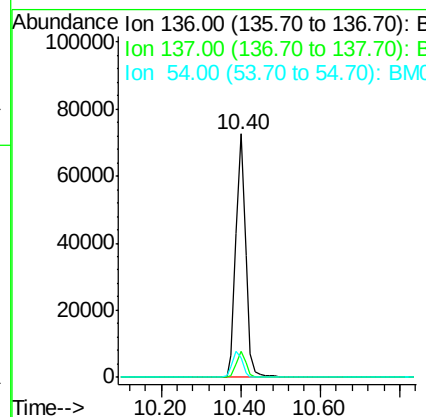
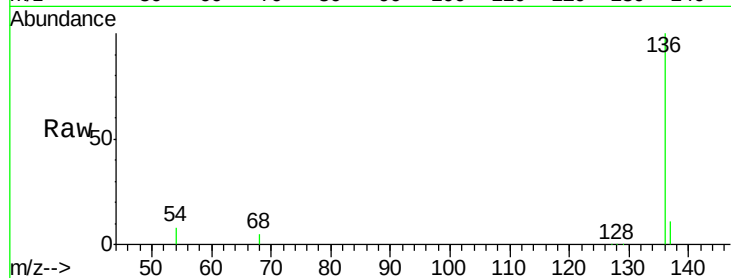
Tot Ion:136 Resp: 123883

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 8.0 7.0 10.6



#5

Nitrobenzene-d5

Concen: 4.07 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

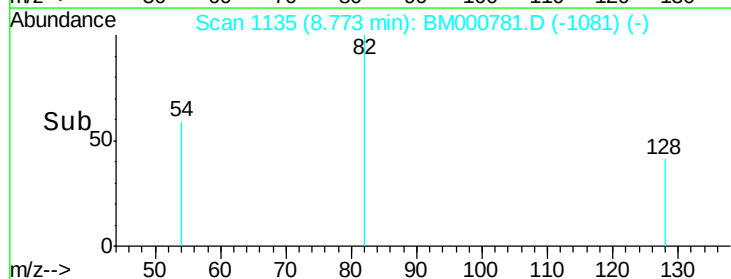
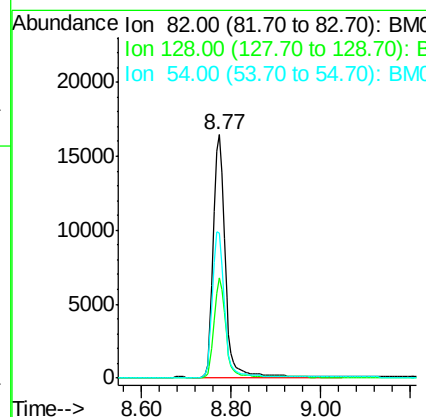
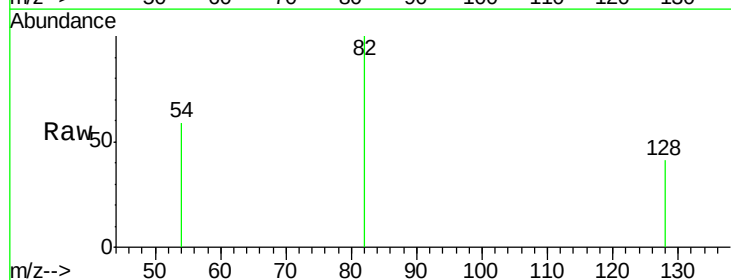
Tgt Ion: 82 Resp: 30224

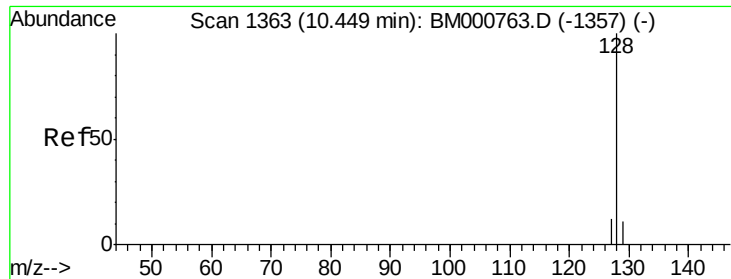
Ion Ratio Lower Upper

82 100

128 41.0 32.2 48.2

54 59.5 50.2 75.4





#6

Naphthalene

Concen: 0.04 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

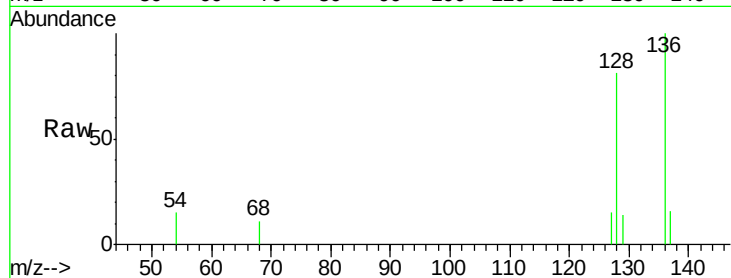
Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

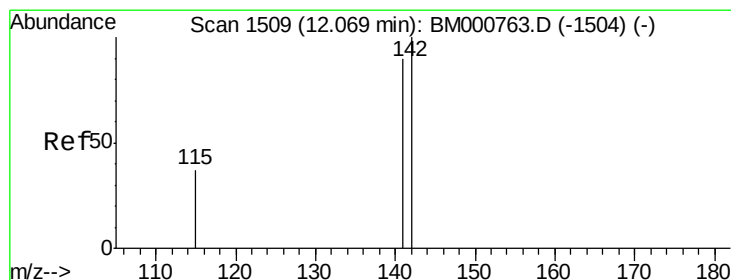
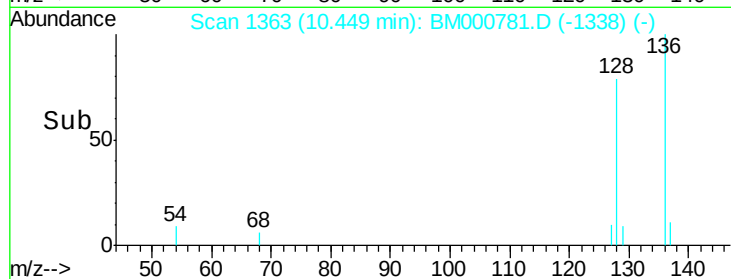
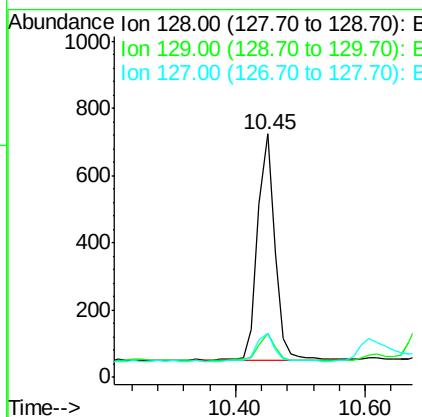
Instrument :

BNA_M

ClientSampleId :



Tot Ion:	128	Resp:	1219
Ion	Ratio	Lower	Upper
128	100		
129	17.8	8.9	13.3#
127	18.2	10.0	15.0#



#7

2-Methylnaphthalene

Concen: 0.04 ng

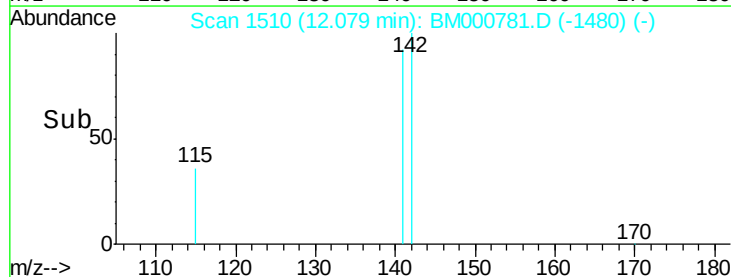
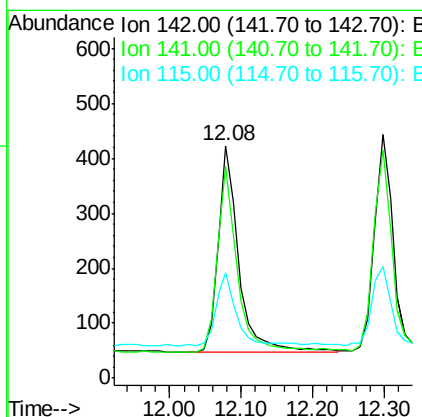
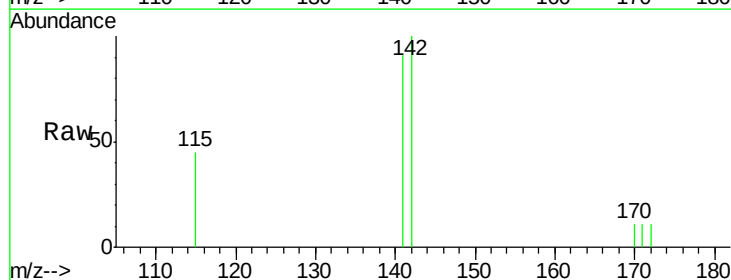
RT: 12.08 min Scan# 1510

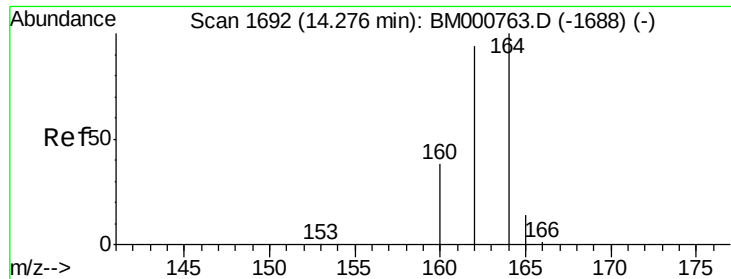
Delta R.T. 0.01 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	142	Resp:	753
Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5
115	45.2	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: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

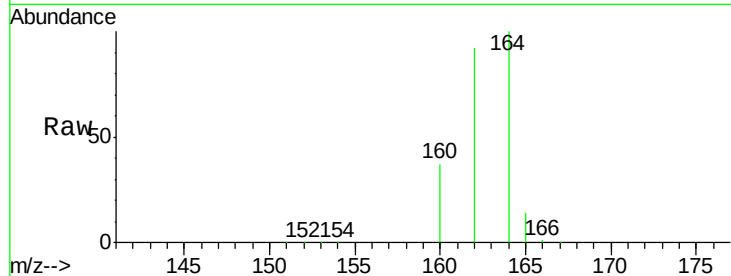
Tot Ion:164 Resp: 59669

Ion Ratio Lower Upper

164 100

162 91.8 75.4 113.2

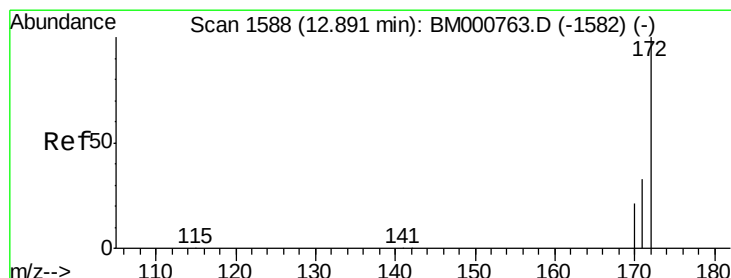
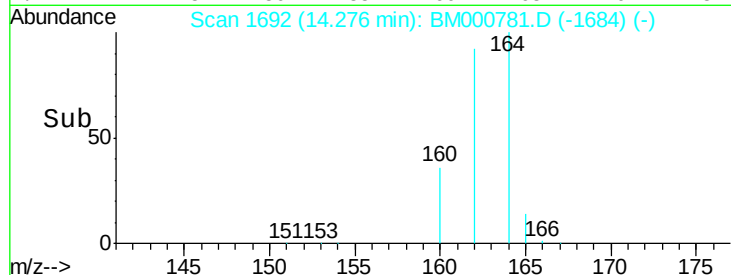
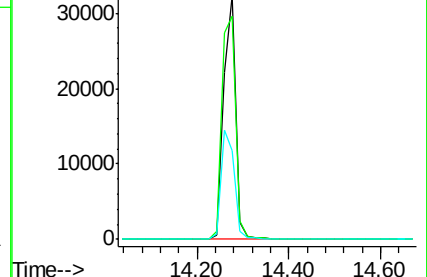
160 36.5 30.8 46.2



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: 5.98 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

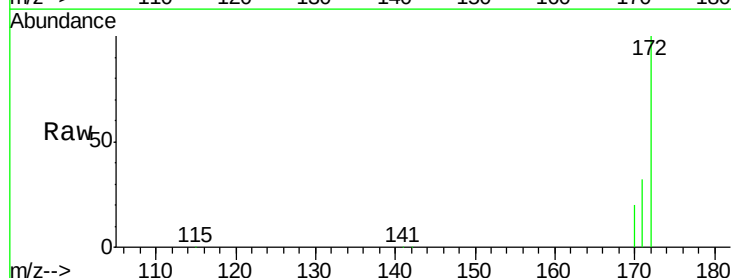
Tgt Ion:172 Resp: 110645

Ion Ratio Lower Upper

172 100

171 31.7 26.6 39.8

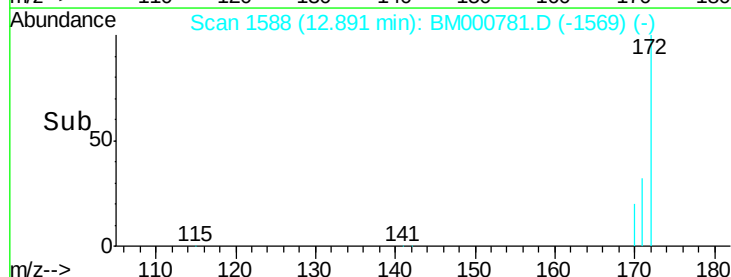
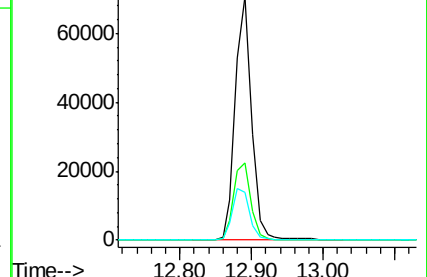
170 19.6 17.1 25.7

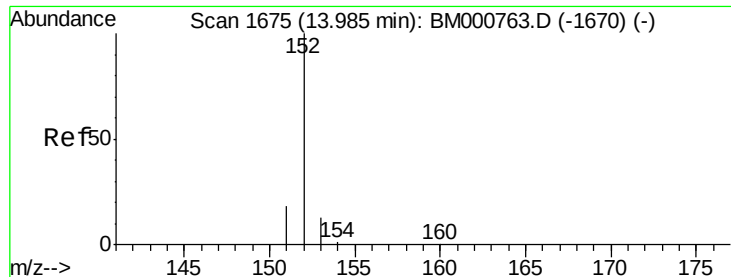


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.04 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

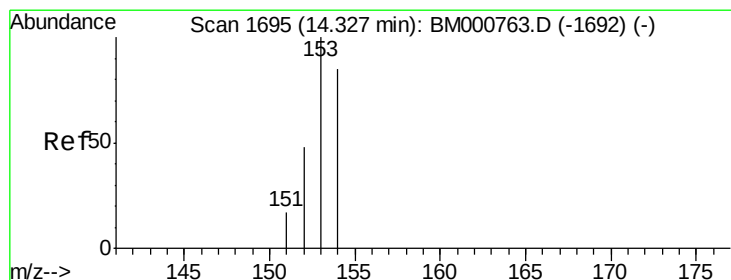
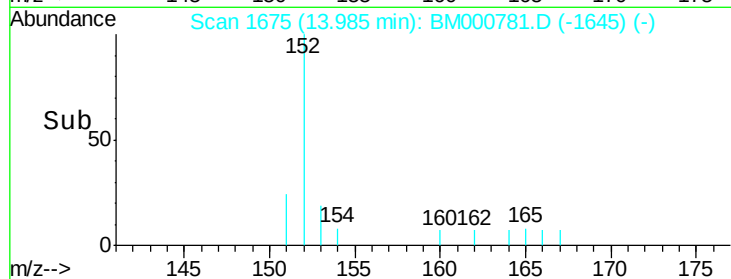
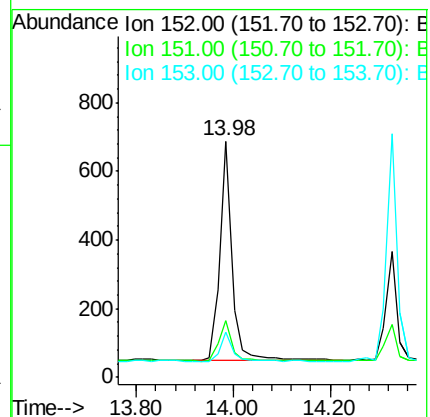
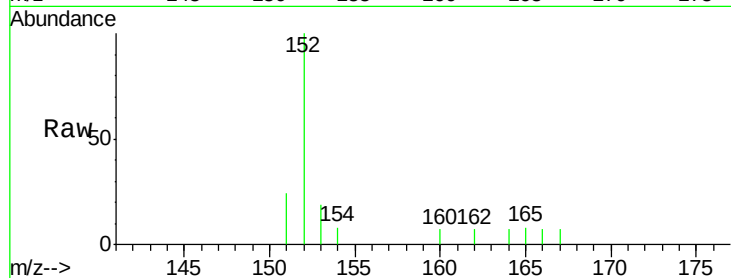
Tot Ion:152 Resp: 1136

Ion Ratio Lower Upper

152 100

151 19.7 15.1 22.7

153 12.0 10.2 15.4



#11

Acenaphthene

Concen: 0.05 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

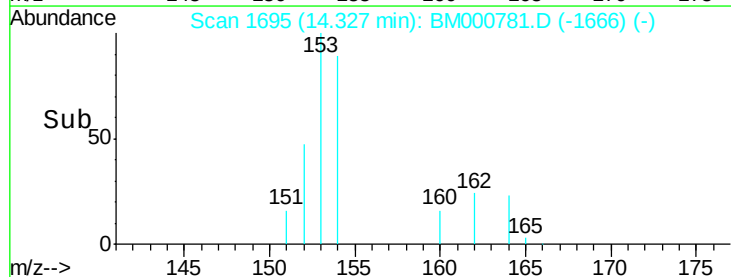
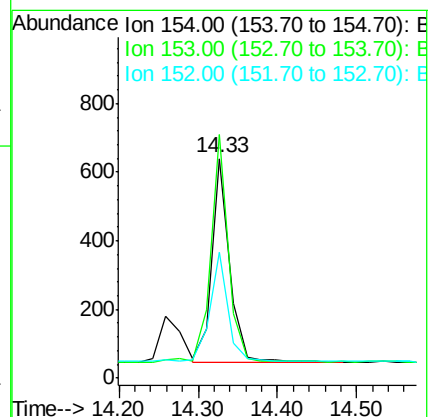
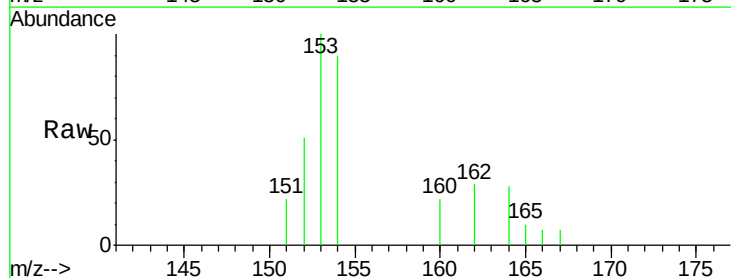
Tgt Ion:154 Resp: 910

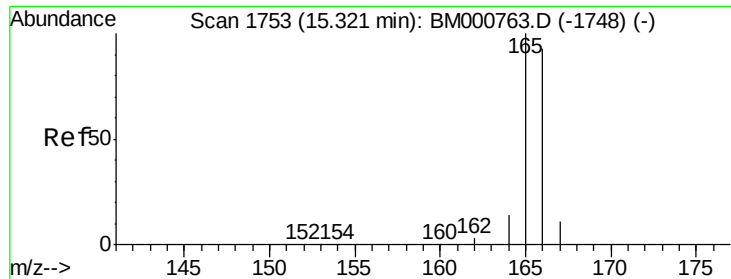
Ion Ratio Lower Upper

154 100

153 113.3 87.3 130.9

152 57.3 43.0 64.6





#12

Fluorene

Concen: 0.06 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

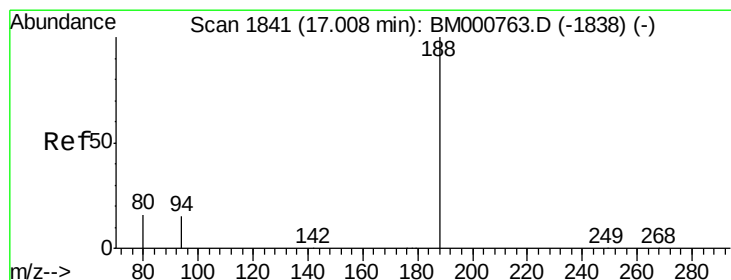
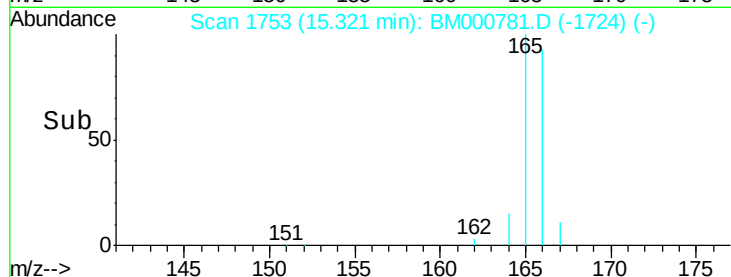
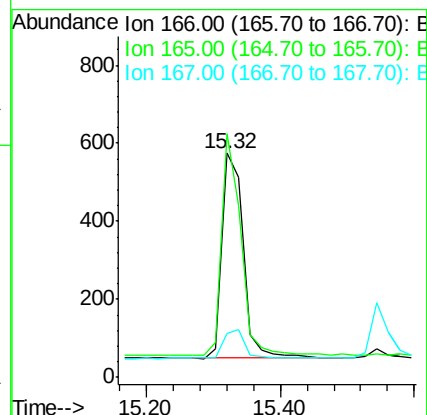
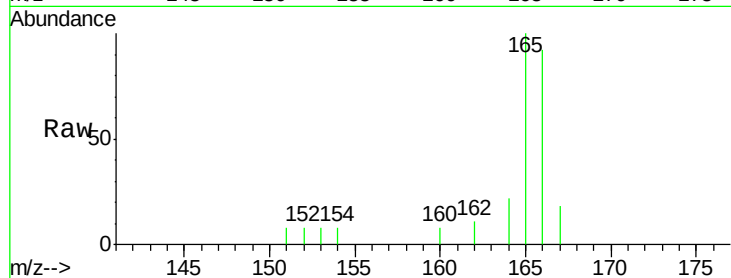
Tot Ion:166 Resp: 1158

Ion Ratio Lower Upper

166 100

165 99.0 78.2 117.2

167 14.9 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: BM000781.D

Acq: 01 Apr 2015 11:22

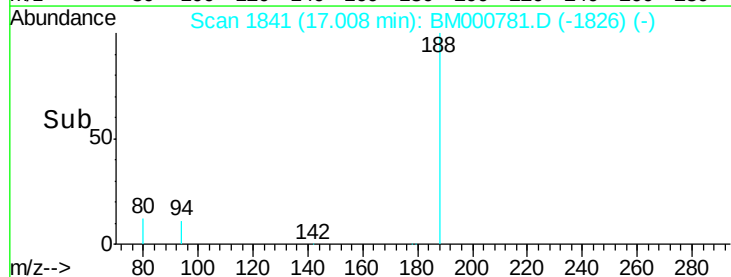
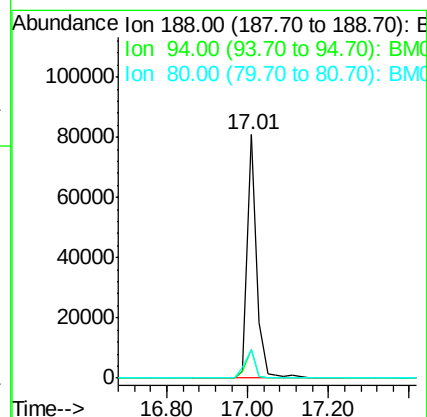
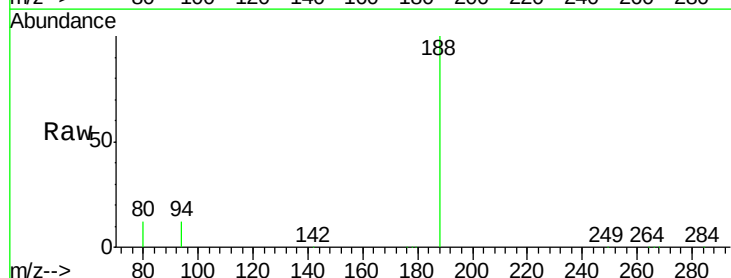
Tgt Ion:188 Resp: 130495

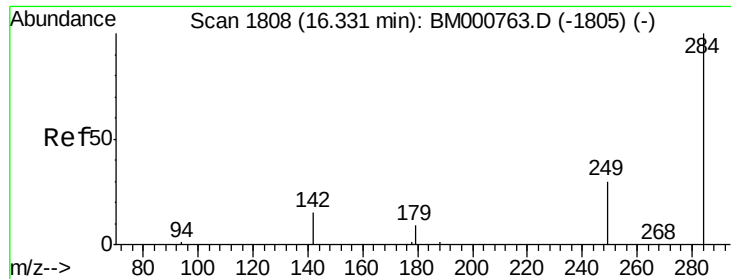
Ion Ratio Lower Upper

188 100

94 11.6 12.0 18.0#

80 11.9 12.8 19.2#

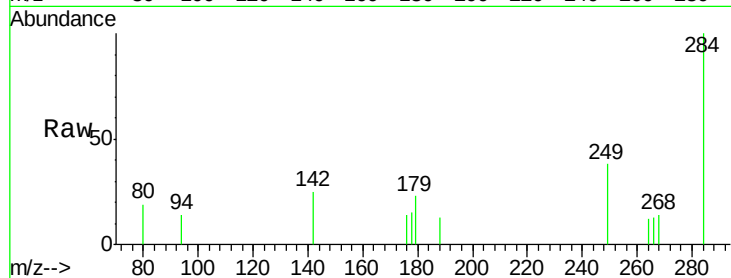




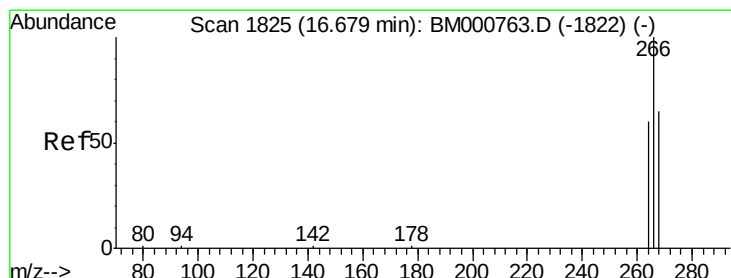
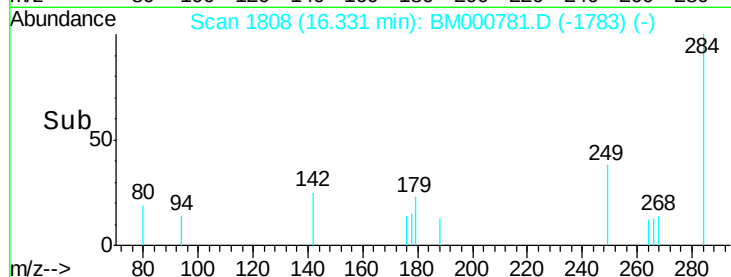
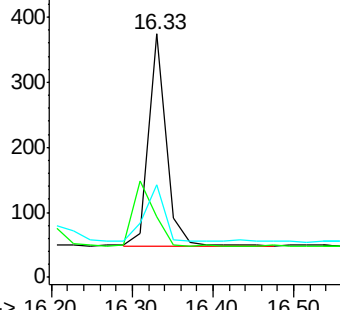
#14
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
BNA_M
ClientSampled :

Tot Ion:284 Resp: 489
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 29.9 25.2 37.8

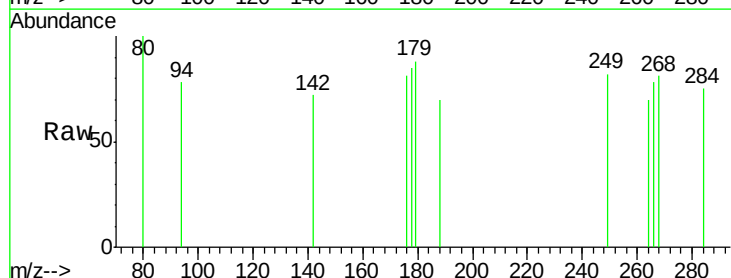


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

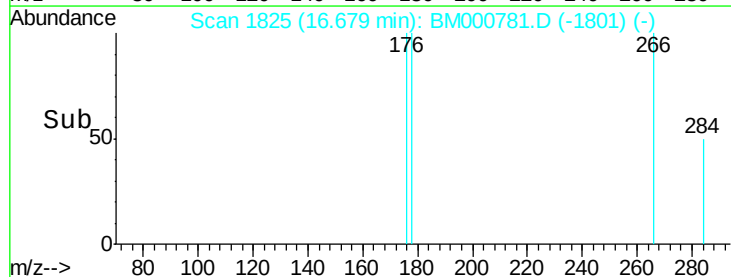
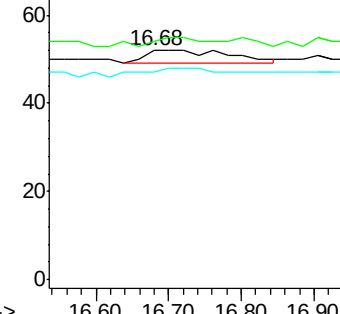


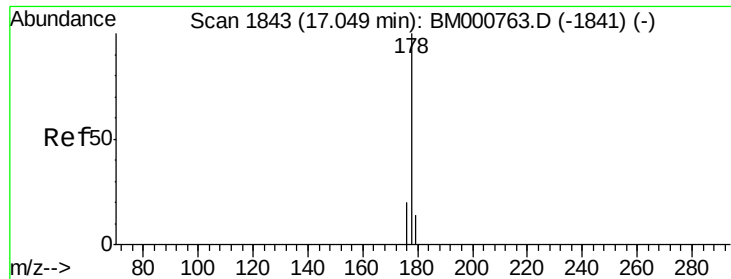
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion:266 Resp: 26
Ion Ratio Lower Upper
266 100
268 103.8 55.0 82.6#
264 90.4 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: 0.05 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.10 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

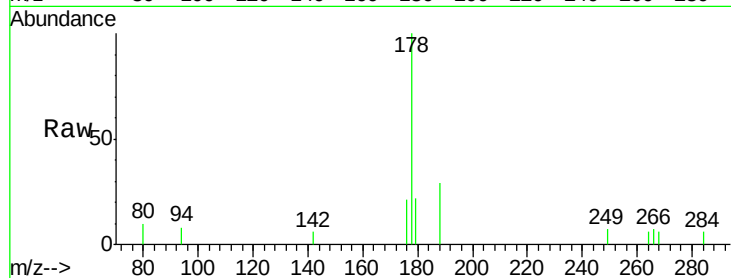
Tot Ion:178 Resp: 1952

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

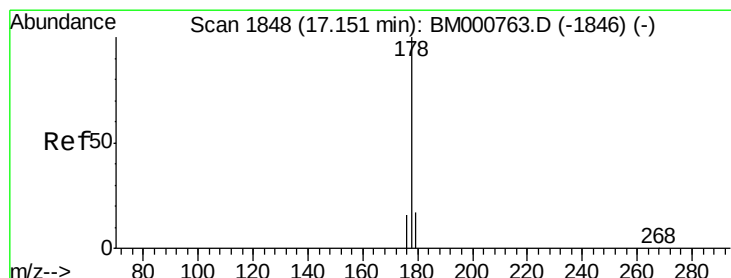
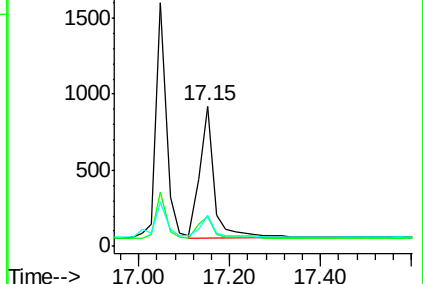
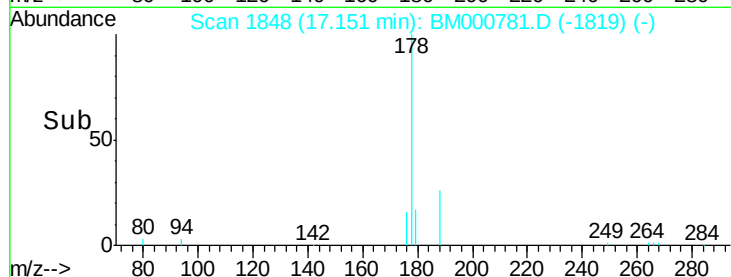
179 15.6 12.2 18.2



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: BM000781.D

Acq: 01 Apr 2015 11:22

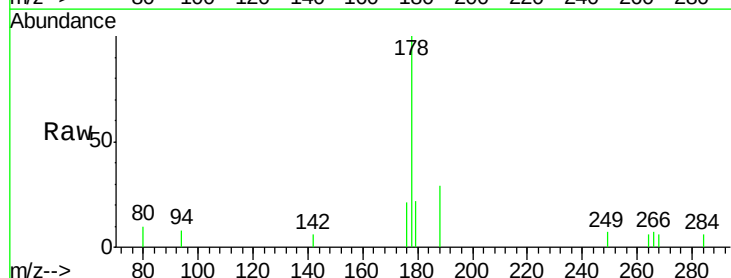
Tgt Ion:178 Resp: 1952

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

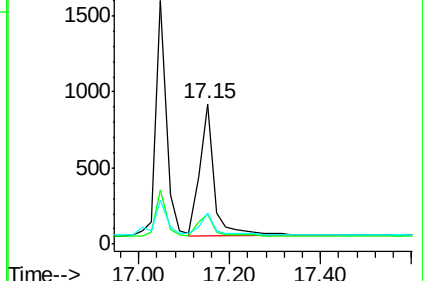
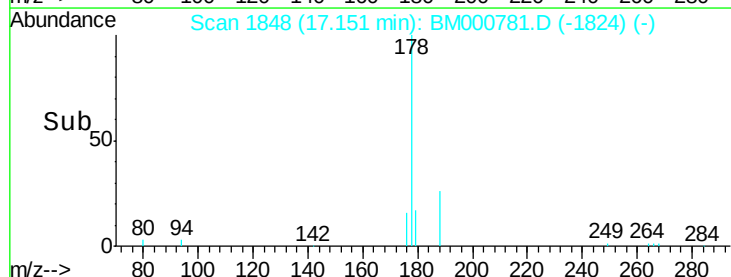
179 15.9 12.2 18.4

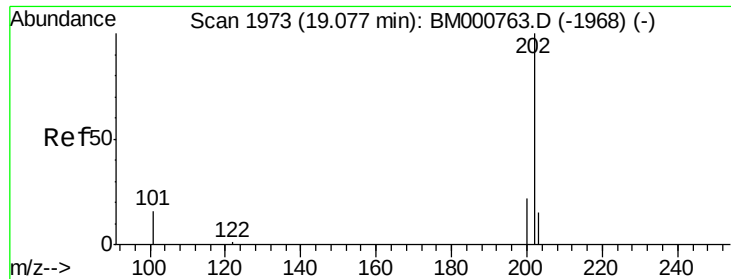


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

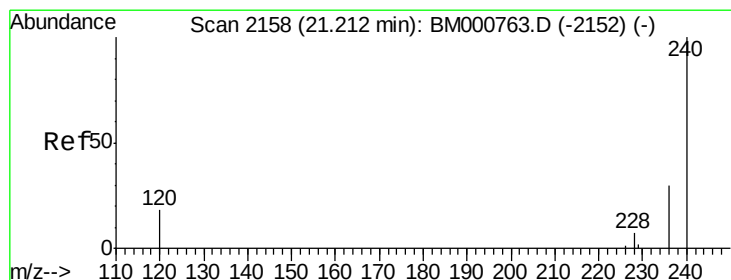
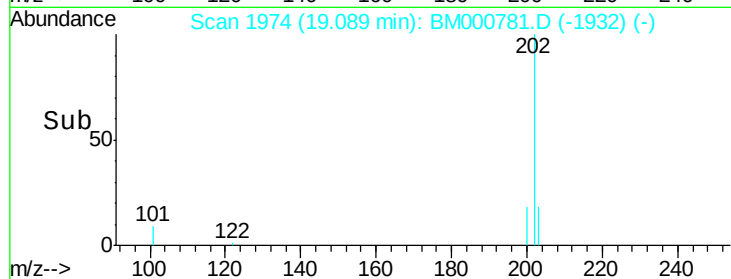
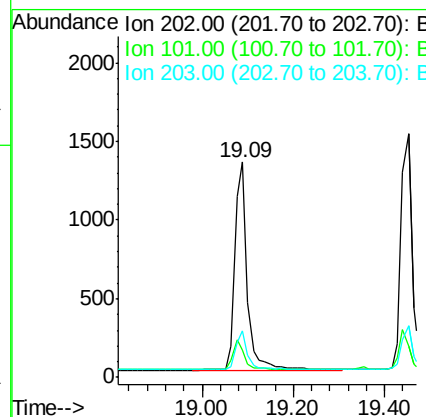
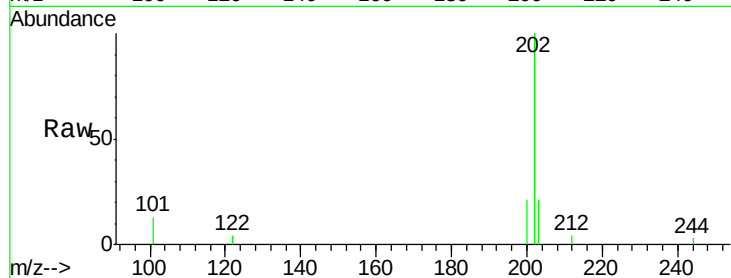




#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

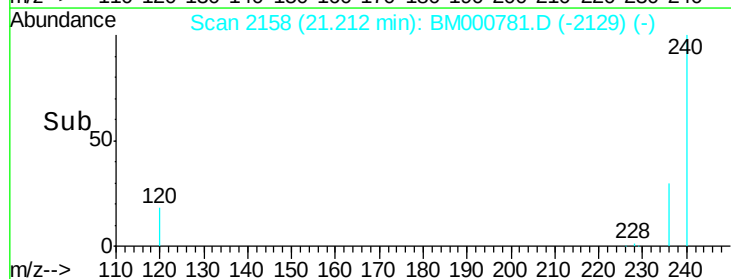
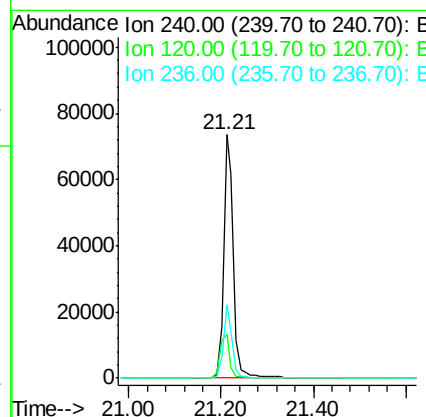
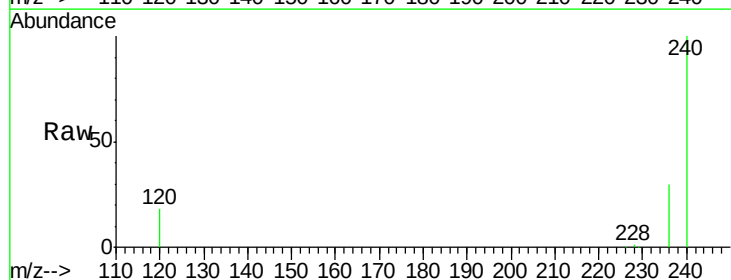
Instrument :
 BNA_M
 ClientSampleId :

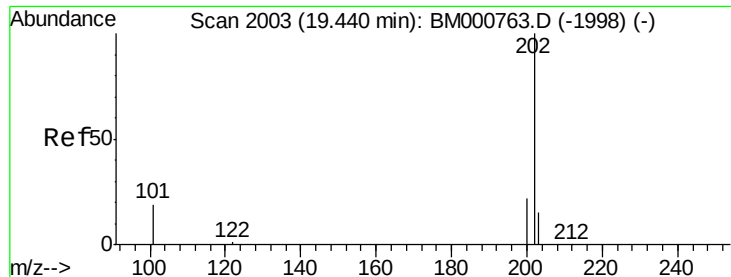
Tot Ion:202 Resp: 2472
 Ion Ratio Lower Upper
 202 100
 101 13.8 10.5 15.7
 203 17.4 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Tgt Ion:240 Resp: 107525
 Ion Ratio Lower Upper
 240 100
 120 18.1 14.9 22.3
 236 30.0 24.2 36.4

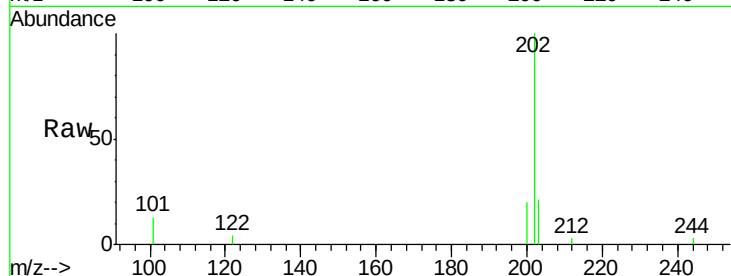




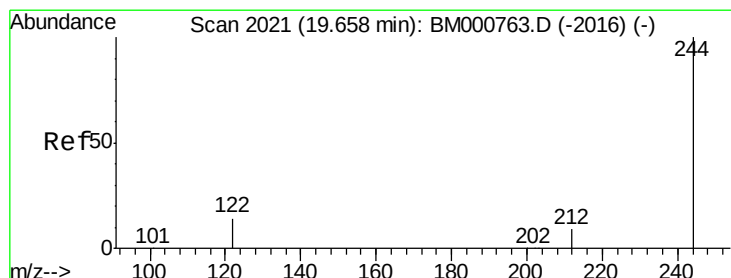
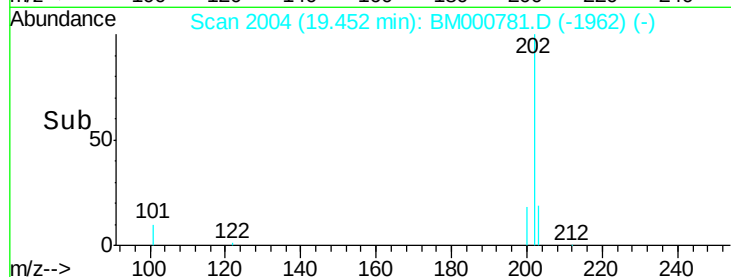
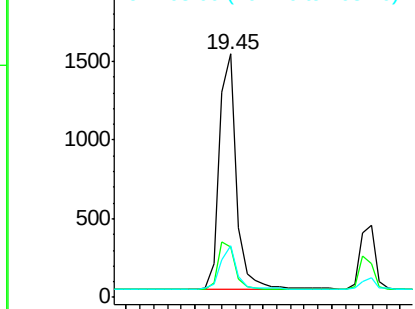
#20
Pvrene
Concen: 0.07 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2625
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 18.2 13.9 20.9

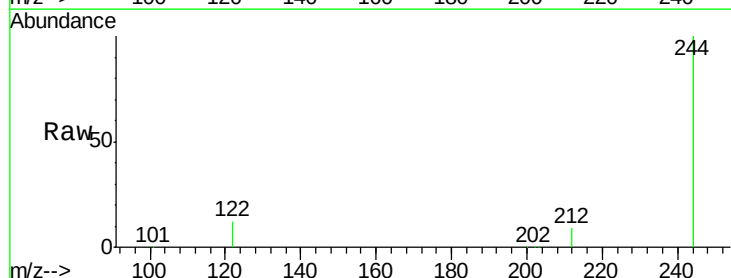


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

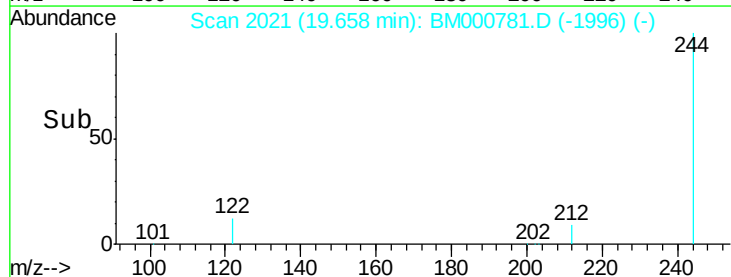
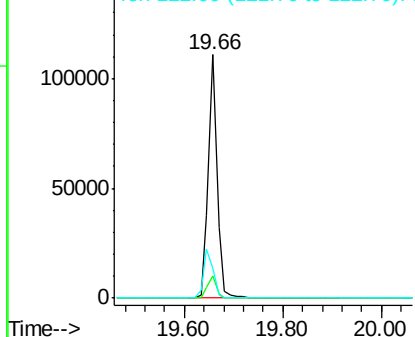


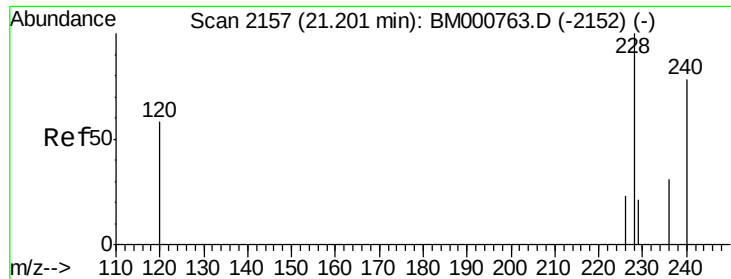
#21
Terphenyl-d14
Concen: 10.65 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000781.D
Acq: 01 Apr 2015 11:22

Tgt Ion:244 Resp: 137816
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 12.1 11.8 17.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

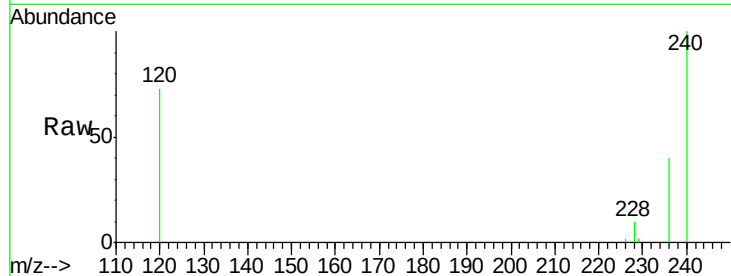
Tot Ion:228 Resp: 2507

Ion Ratio Lower Upper

228 100

226 24.7 18.6 27.8

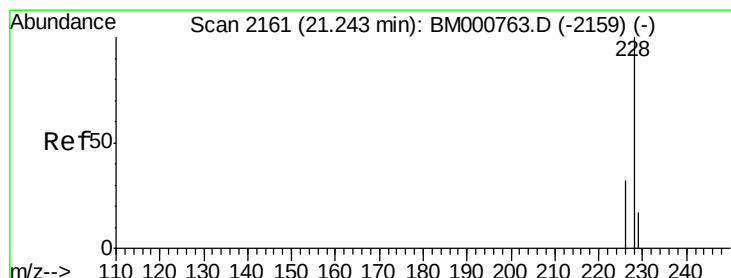
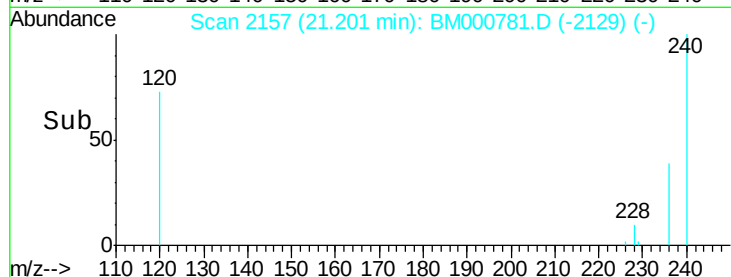
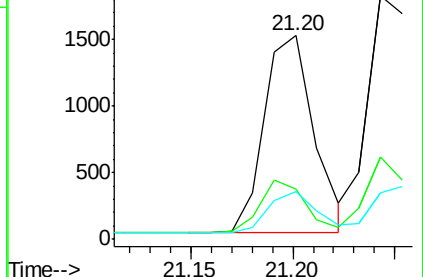
229 23.5 17.2 25.8



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: BM000781.D

Acq: 01 Apr 2015 11:22

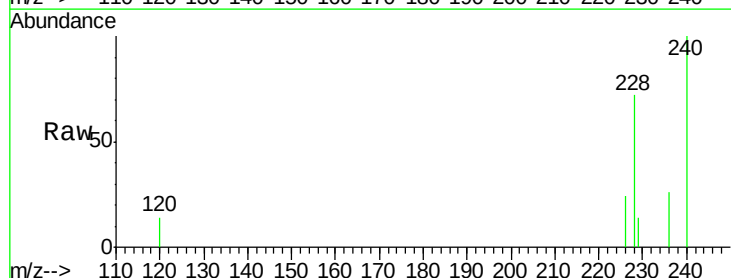
Tgt Ion:228 Resp: 2878

Ion Ratio Lower Upper

228 100

226 33.6 25.8 38.8

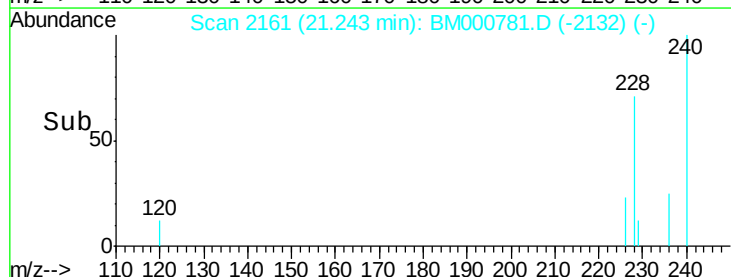
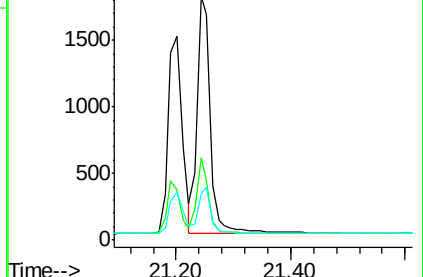
229 19.3 13.8 20.6

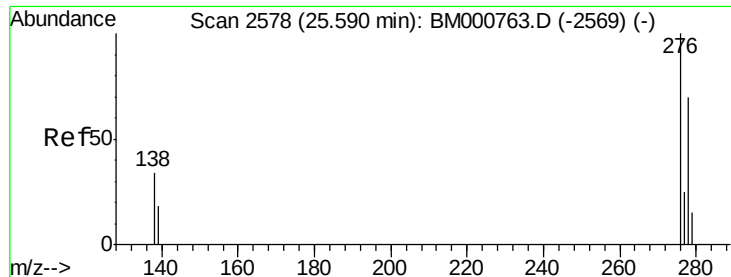


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

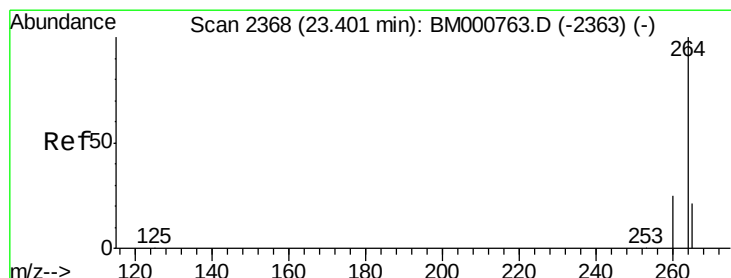
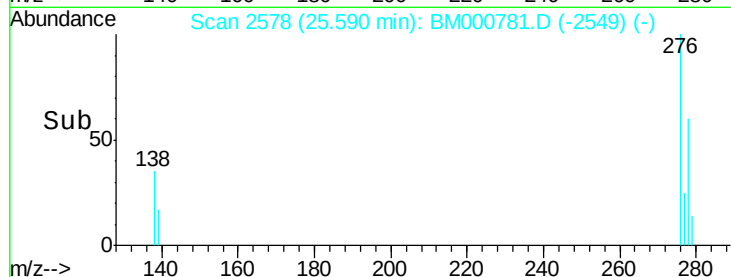
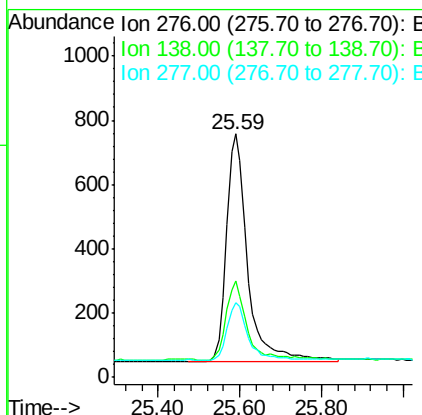
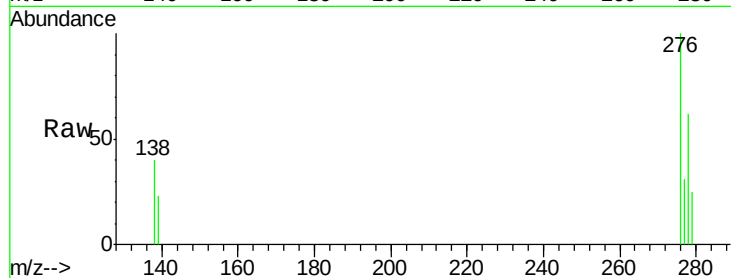




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng
 RT: 25.59 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

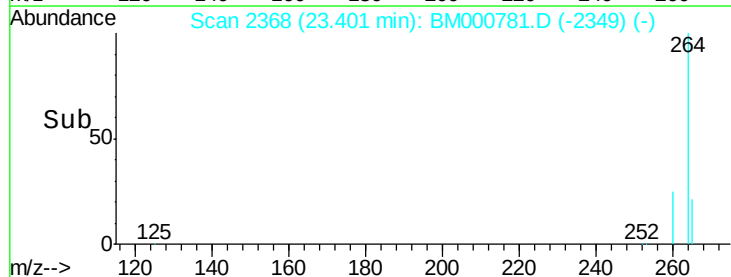
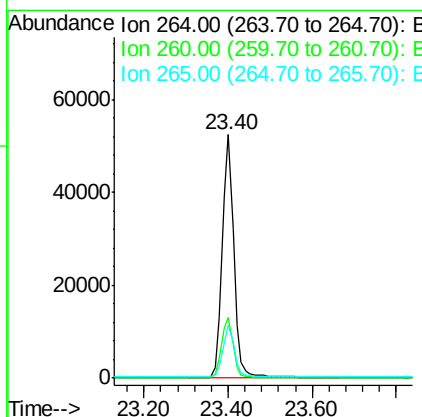
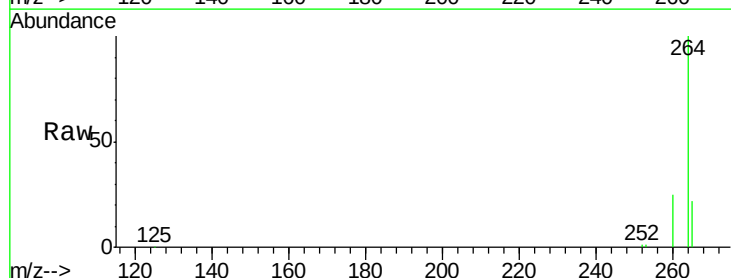
Instrument :
 BNA_M
 ClientSampleId :

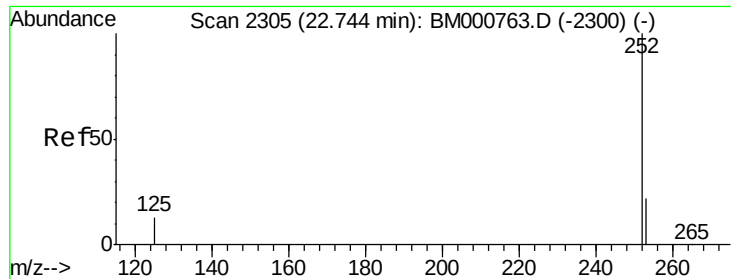
Tot Ion:276 Resp: 2581
 Ion Ratio Lower Upper
 276 100
 138 32.6 27.4 41.2
 277 24.3 19.7 29.5



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: BM000781.D
 Acq: 01 Apr 2015 11:22

Tgt Ion:264 Resp: 100214
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.1 30.1
 265 21.7 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 0.08 ng

RT: 22.74 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :

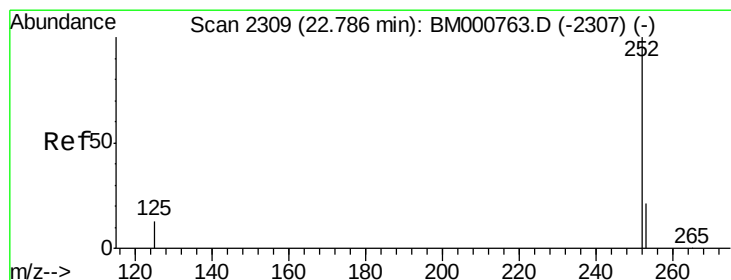
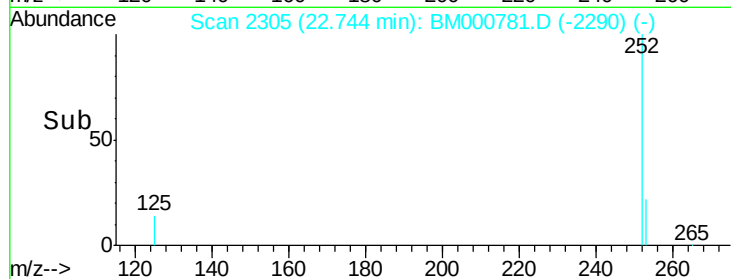
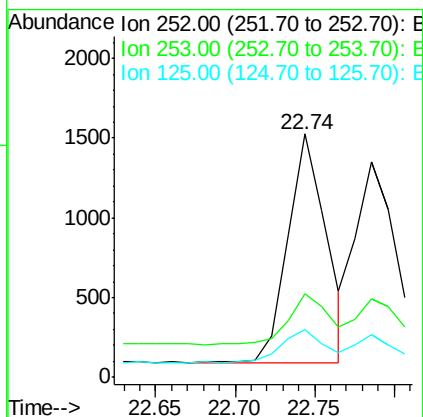
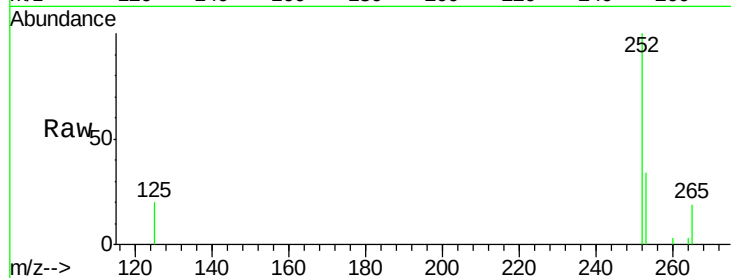
Tot Ion:252 Resp: 2383

Ion Ratio Lower Upper

252 100

253 34.3 18.5 27.7#

125 19.6 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: BM000781.D

Acq: 01 Apr 2015 11:22

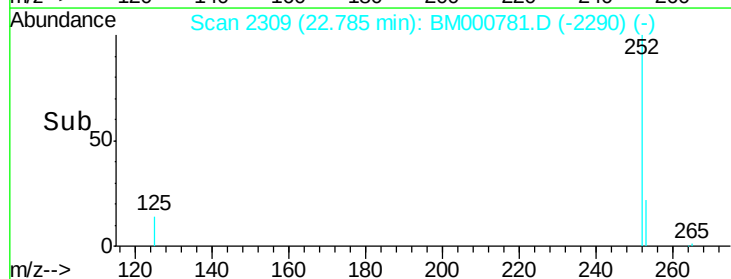
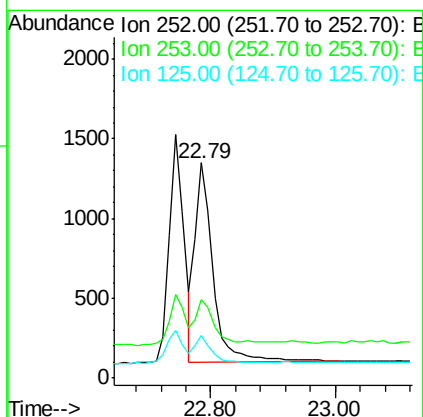
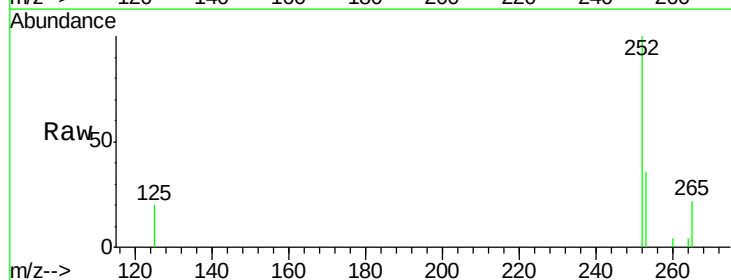
Tgt Ion:252 Resp: 2490

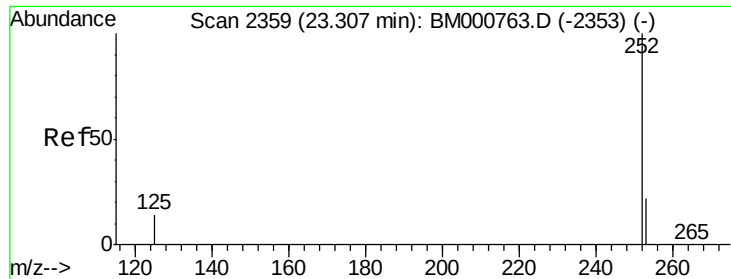
Ion Ratio Lower Upper

252 100

253 36.5 17.9 26.9#

125 19.9 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.08 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

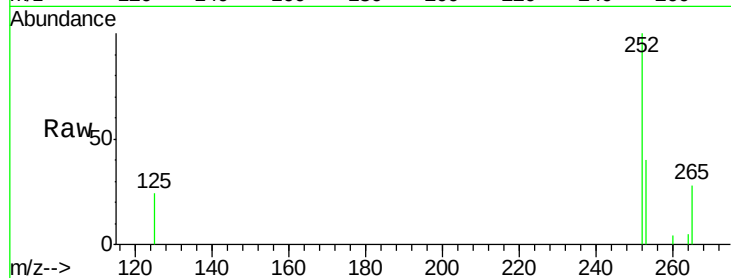
Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

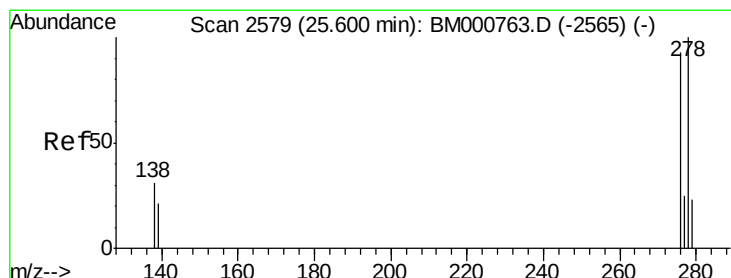
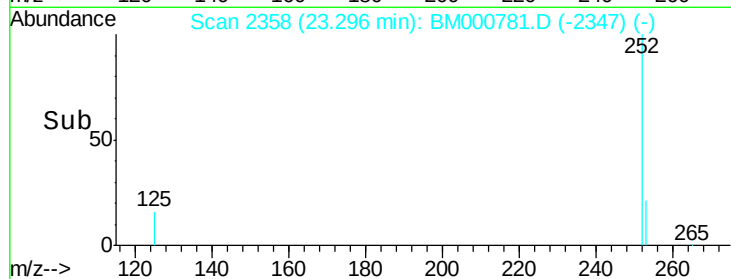
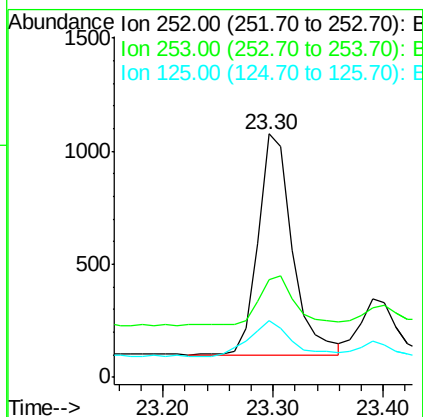
Instrument :

BNA_M

ClientSampled :



Tot Ion:	252	Resp:	2105
Ion	Ratio	Lower	Upper
252	100		
253	40.3	19.4	29.2#
125	23.6	11.5	17.3#



#29

Dibenzo(a,h)anthracene

Concen: 0.08 ng

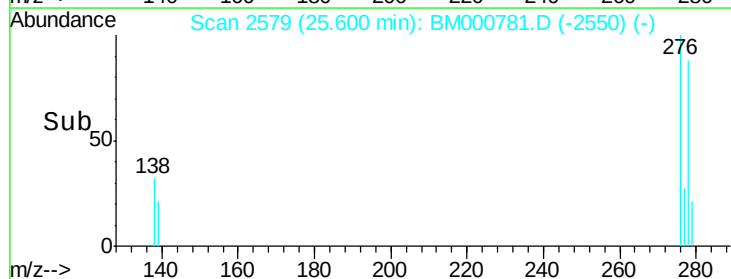
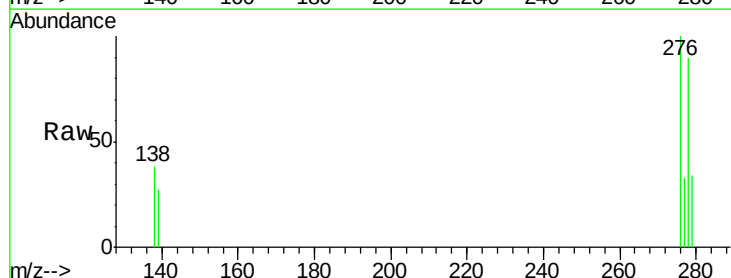
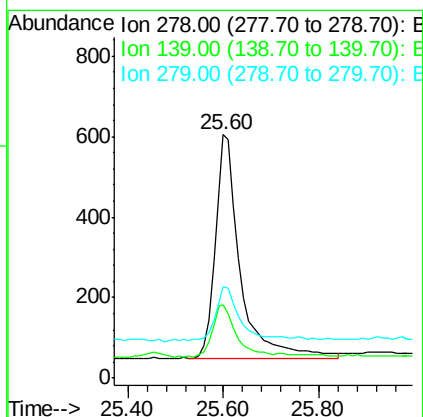
RT: 25.60 min Scan# 2579

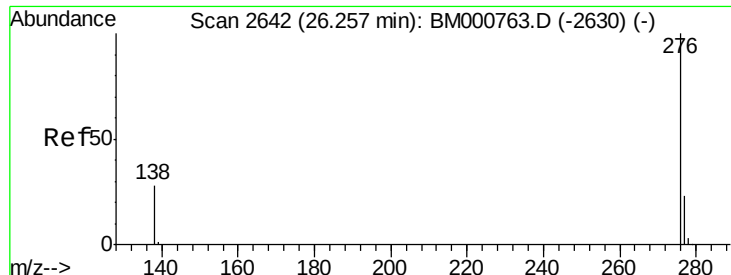
Delta R.T. -0.00 min

Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Tgt Ion:	278	Resp:	2046
Ion	Ratio	Lower	Upper
278	100		
139	30.4	17.8	26.6#
279	37.4	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

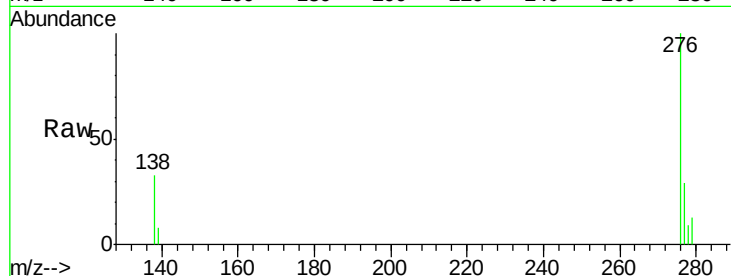
Lab File: BM000781.D

Acq: 01 Apr 2015 11:22

Instrument :

BNA_M

ClientSampleId :



Tot Ion:	276	Resp:	2373
Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.1	28.7#
138	33.1	23.1	34.7

