

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000786.D
 Acq On : 01 Apr 2015 14:20
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:27:44 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

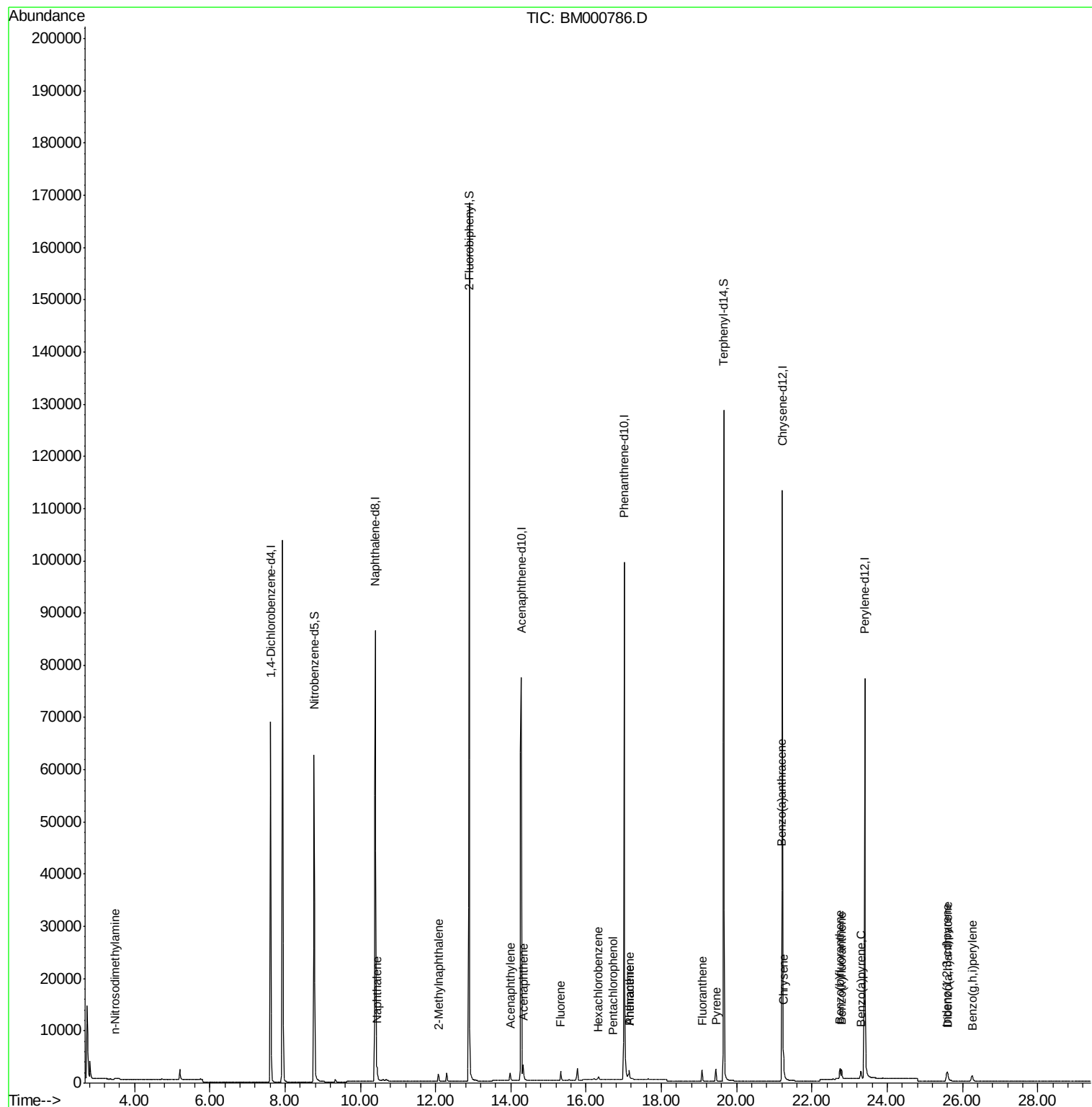
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	35264	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	118796	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	57352	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128908	5.00	ng	0.00
19) Chrysene-d12	21.21	240	109617	5.00	ng	0.00
25) Perylene-d12	23.40	264	100767	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	55495	7.62	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	167626	9.42	ng	0.00
21) Terphenyl-d14	19.66	244	133184	10.10	ng	0.00
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.49	42	121	0.18	ng	# 83
6) Naphthalene	10.45	128	2302	0.08	ng	# 92
7) 2-Methylnaphthalene	12.08	142	1382	0.08	ng	95
10) Acenaphthylene	13.98	152	1791	0.07	ng	100
11) Acenaphthene	14.33	154	1358	0.08	ng	97
12) Fluorene	15.32	166	1610	0.08	ng	98
14) Hexachlorobenzene	16.33	284	625	0.08	ng	# 99
15) Pentachlorophenol	16.72	266	10	0.37	ng	# 60
16) Phenanthrene	17.15	178	2339	0.07	ng	98
17) Anthracene	17.15	178	2372	0.08	ng	98
18) Fluoranthene	19.09	202	2786	0.08	ng	98
20) Pyrene	19.45	202	2885	0.08	ng	98
22) Benzo(a)anthracene	21.20	228	2715	0.09	ng	97
23) Chrysene	21.24	228	3064	0.09	ng	98
24) Indeno(1,2,3-cd)pyrene	25.59	276	2718	0.08	ng	100
26) Benzo(b)fluoranthene	22.74	252	2512	0.08	ng	# 80
27) Benzo(k)fluoranthene	22.79	252	2659	0.09	ng	# 79
28) Benzo(a)pyrene	23.30	252	2229	0.08	ng	# 75
29) Dibenzo(a,h)anthracene	25.60	278	2143	0.08	ng	# 80
30) Benzo(a,h,i)perylene	26.26	276	2539	0.09	ng	# 91

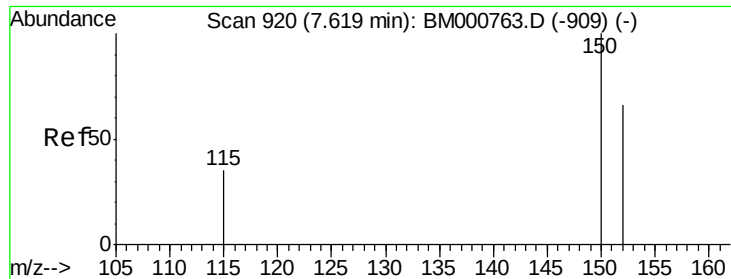
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampled :

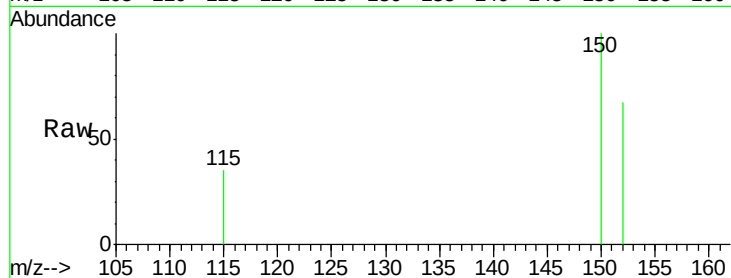
Tot Ion:152 Resp: 35264

Ion Ratio Lower Upper

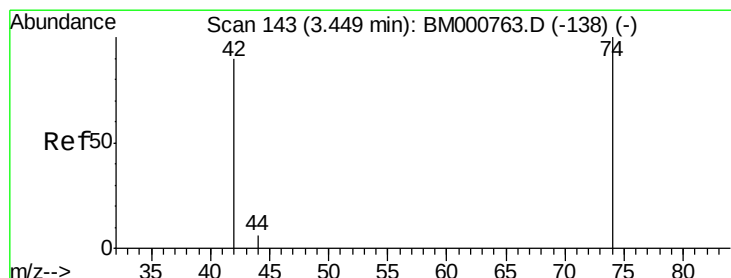
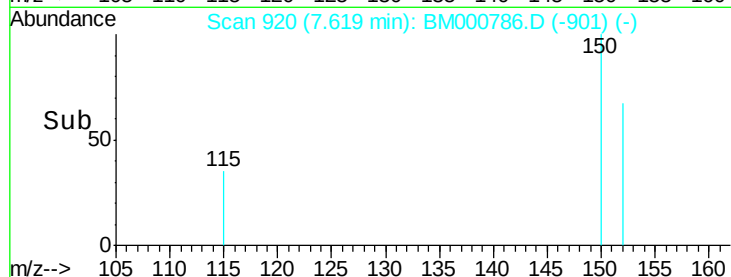
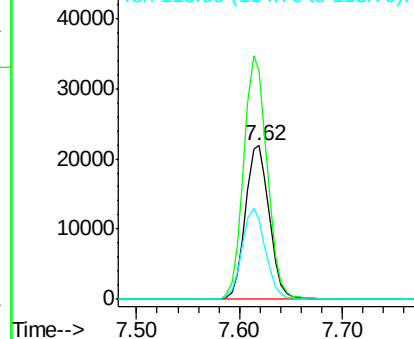
152 100

150 148.4 120.8 181.2

115 52.0 42.7 64.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.49 min Scan# 150

Delta R.T. 0.04 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

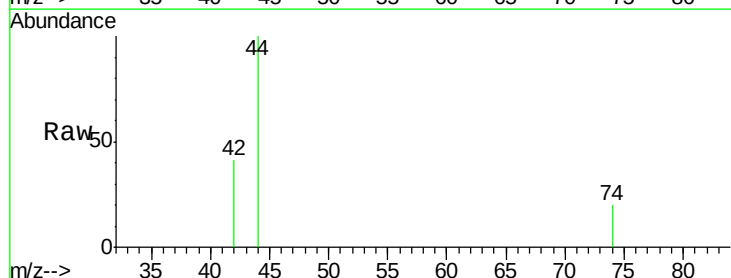
Tgt Ion: 42 Resp: 121

Ion Ratio Lower Upper

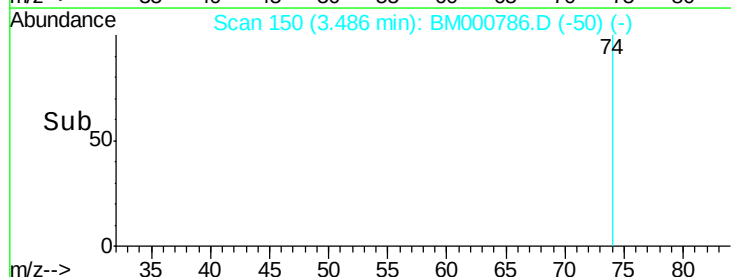
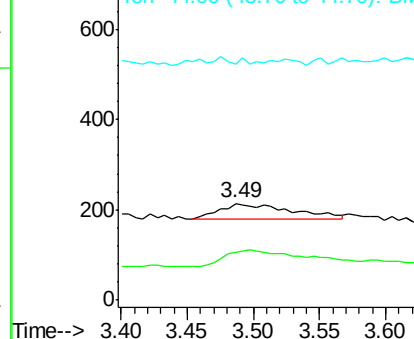
42 100

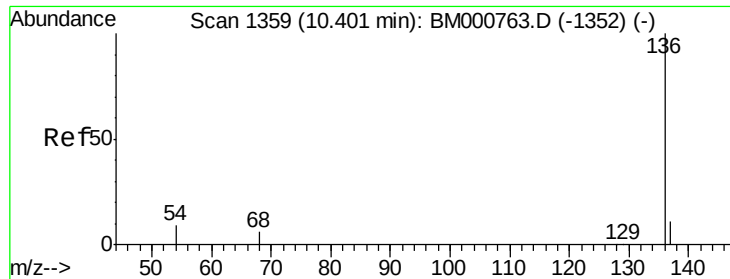
74 136.4 93.6 140.4

44 4.1 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: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

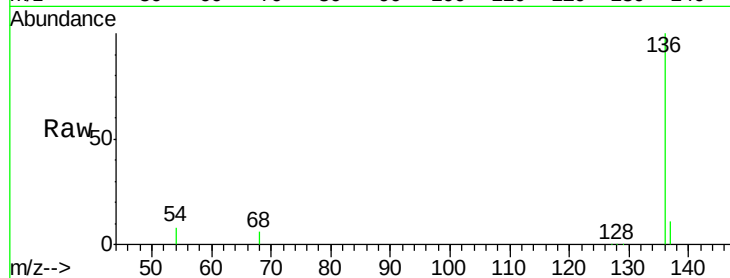
Tot Ion:136 Resp: 118796

Ion Ratio Lower Upper

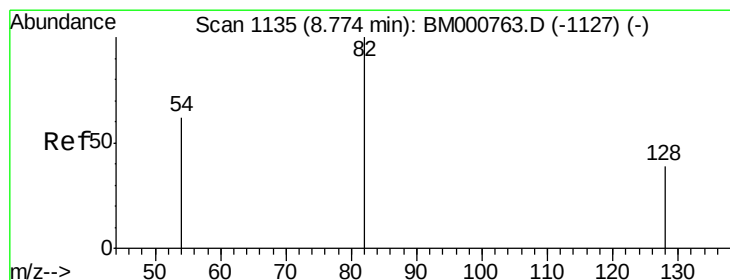
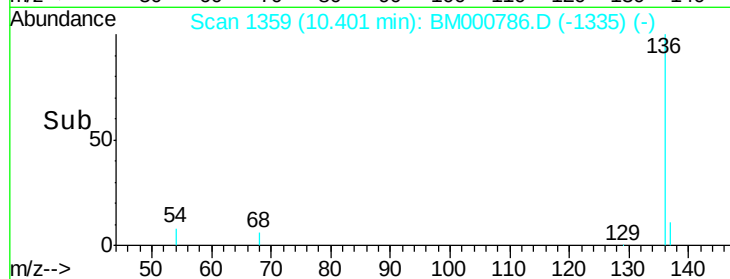
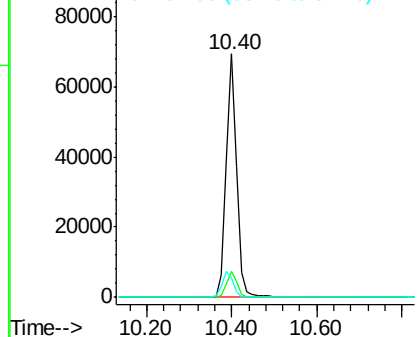
136 100

137 10.8 8.6 12.8

54 8.3 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM



#5

Nitrobenzene-d5

Concen: 7.62 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

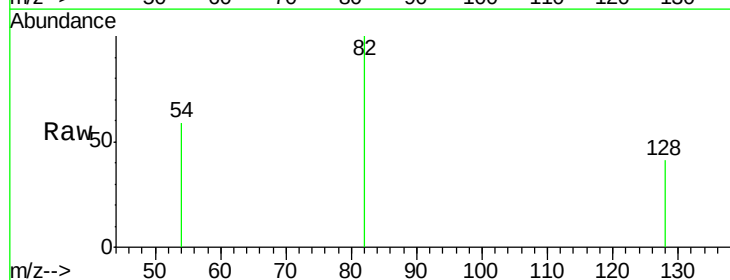
Tgt Ion: 82 Resp: 55495

Ion Ratio Lower Upper

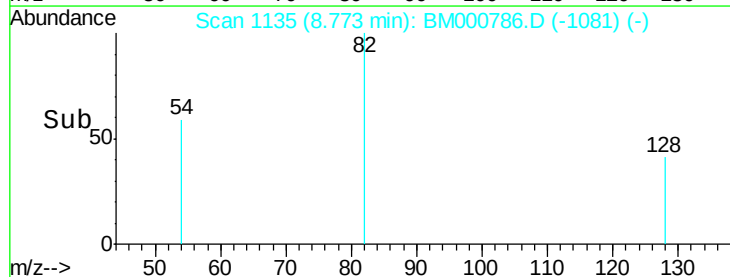
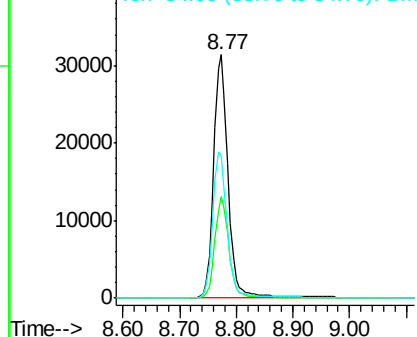
82 100

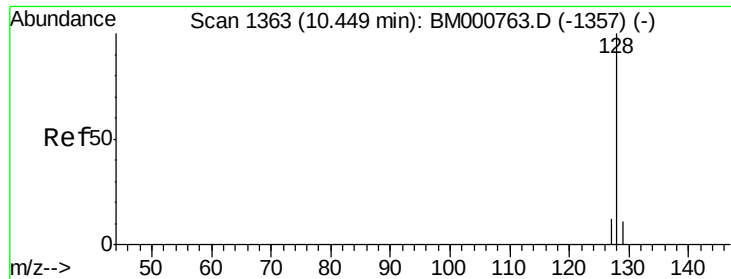
128 41.5 32.2 48.2

54 58.8 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#6

Naphthalene

Concen: 0.08 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

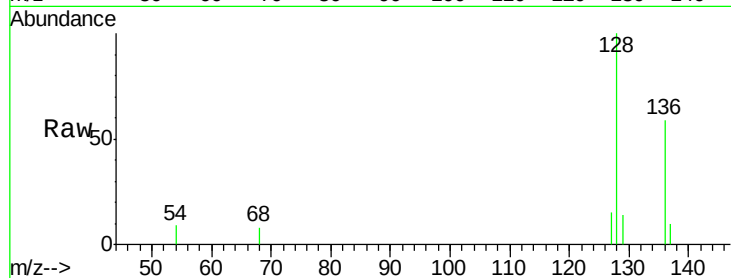
Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :



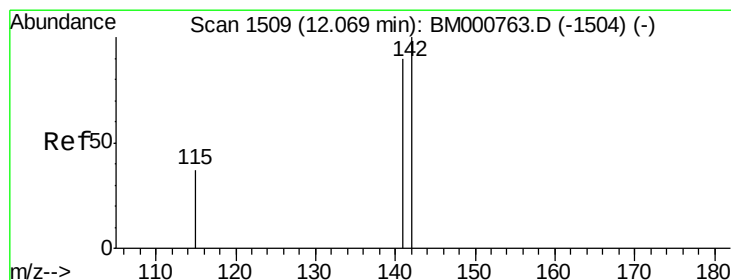
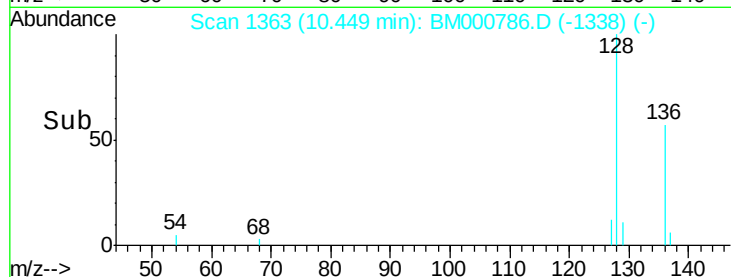
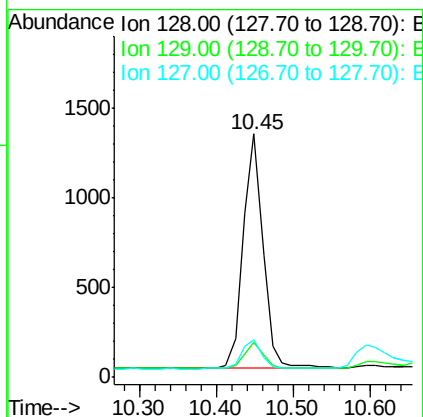
Tot Ion:128 Resp: 2302

Ion Ratio Lower Upper

128 100

129 14.3 8.9 13.3#

127 15.4 10.0 15.0#



#7

2-Methylnaphthalene

Concen: 0.08 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

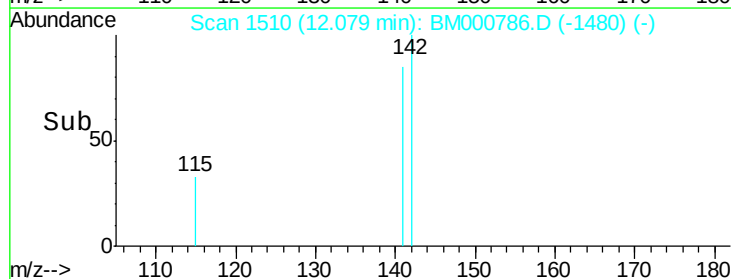
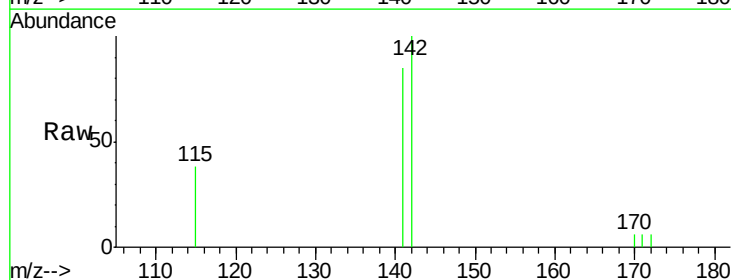
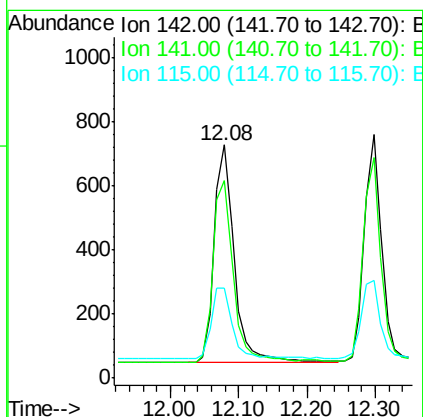
Tgt Ion:142 Resp: 1382

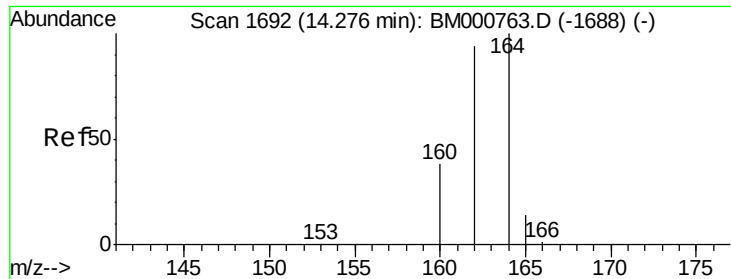
Ion Ratio Lower Upper

142 100

141 84.6 72.3 108.5

115 38.4 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: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

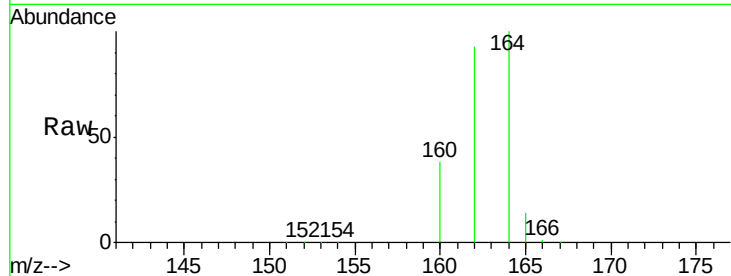
Tot Ion:164 Resp: 57352

Ion Ratio Lower Upper

164 100

162 92.9 75.4 113.2

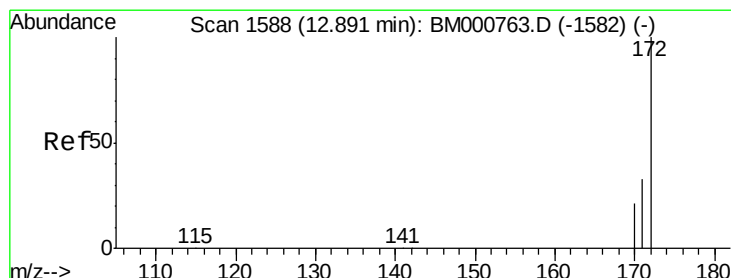
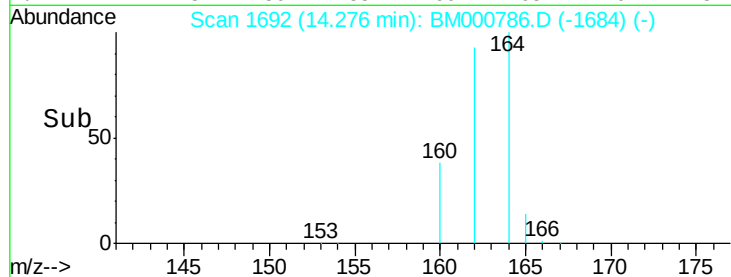
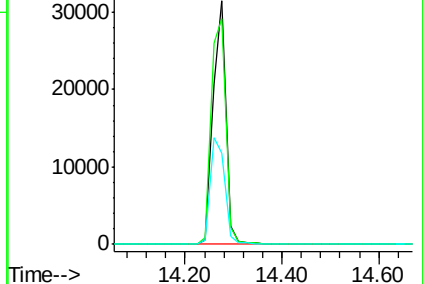
160 37.6 30.8 46.2



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: 9.42 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

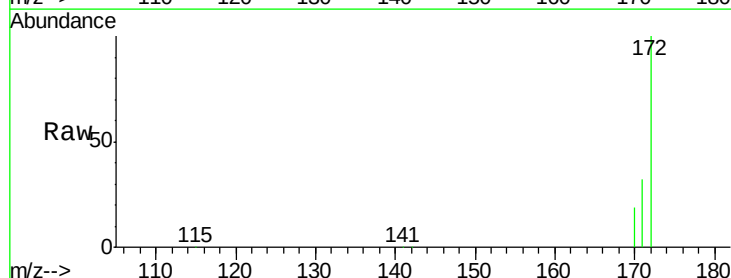
Tgt Ion:172 Resp: 167626

Ion Ratio Lower Upper

172 100

171 31.7 26.6 39.8

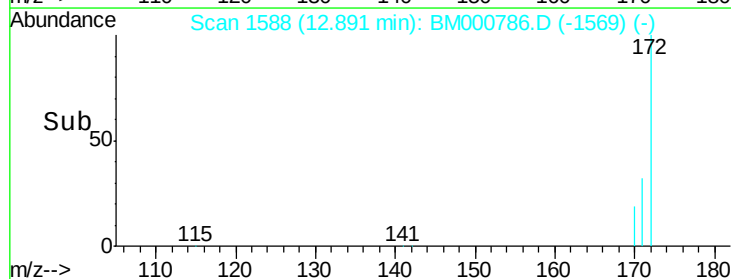
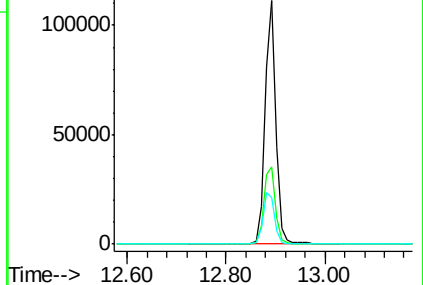
170 19.2 17.1 25.7

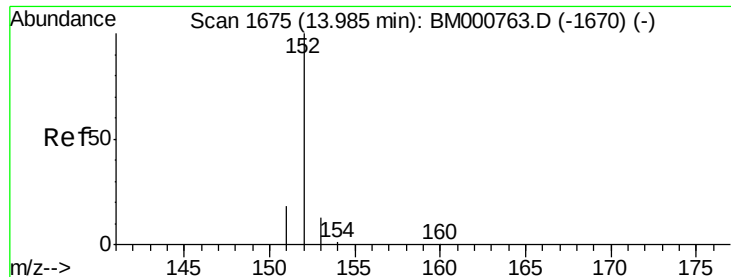


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.07 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

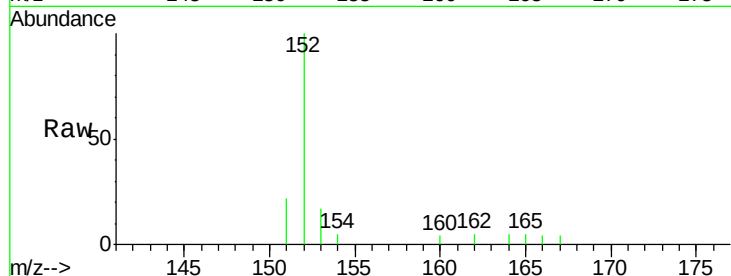
Tot Ion:152 Resp: 1791

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

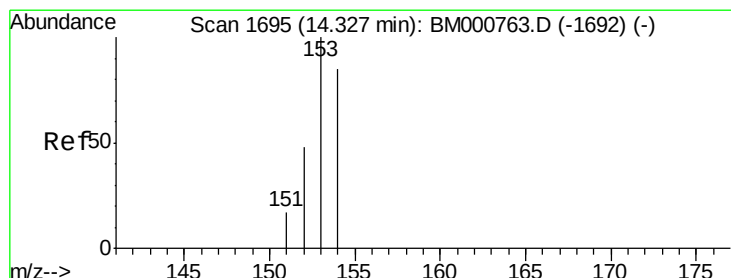
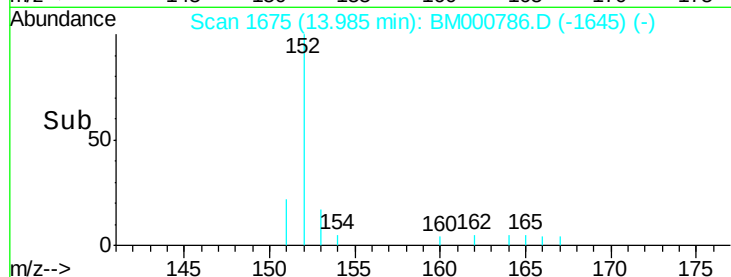
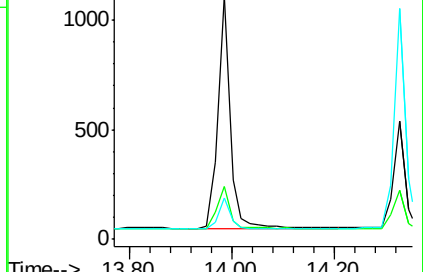
153 12.7 10.2 15.4



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: 0.08 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

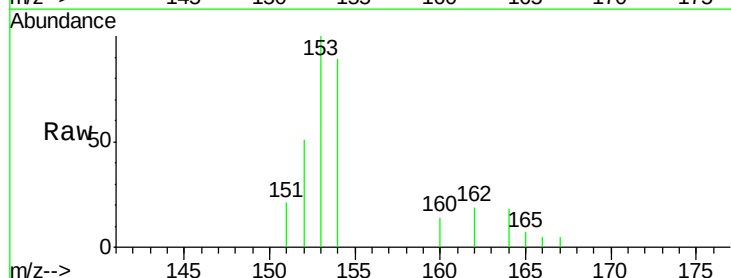
Tgt Ion:154 Resp: 1358

Ion Ratio Lower Upper

154 100

153 112.4 87.3 130.9

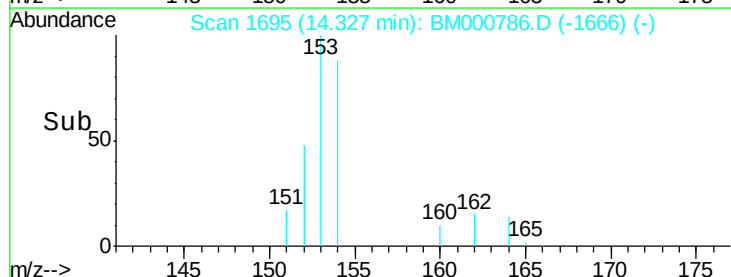
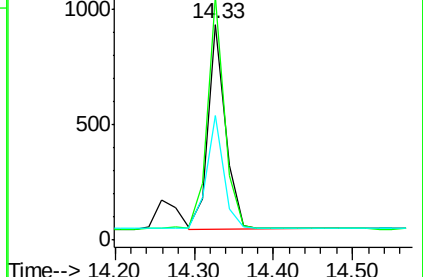
152 55.5 43.0 64.6

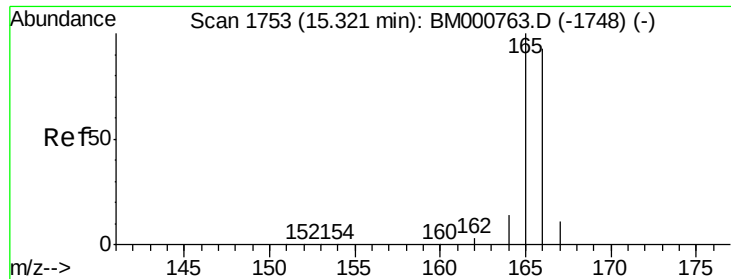


Abundance Ion 154.00 (153.70 to 154.70): E

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: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

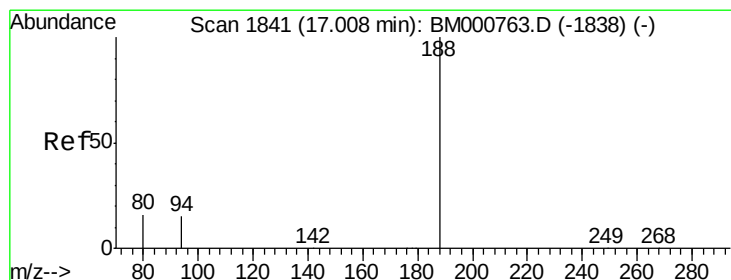
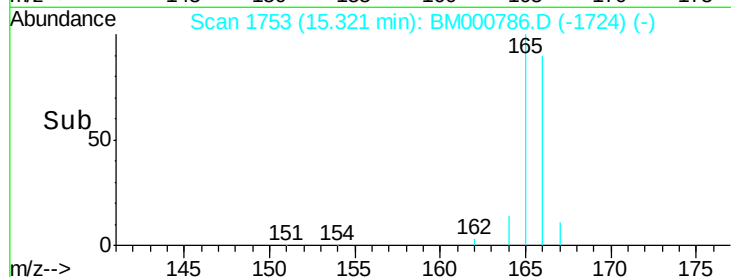
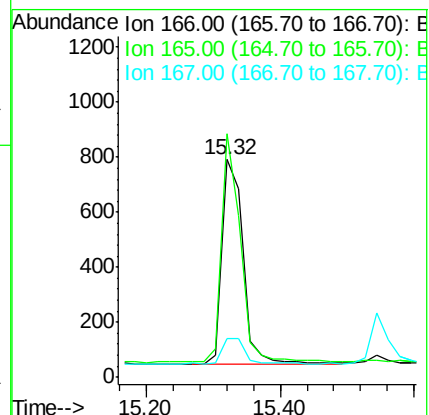
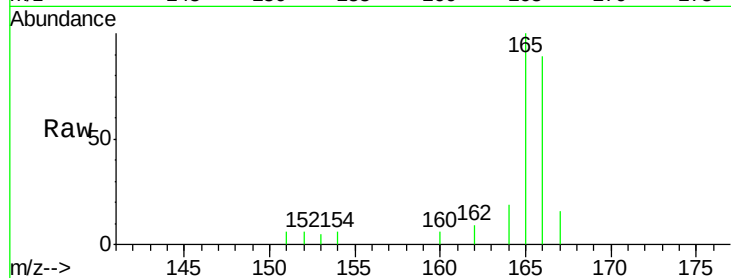
Tot Ion:166 Resp: 1610

Ion Ratio Lower Upper

166 100

165 99.6 78.2 117.2

167 13.5 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: BM000786.D

Acq: 01 Apr 2015 14:20

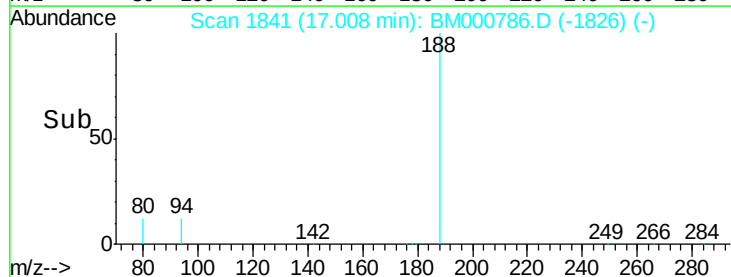
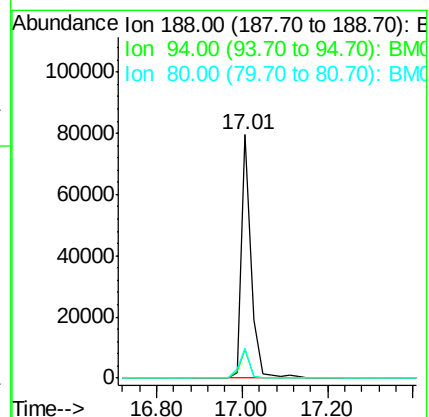
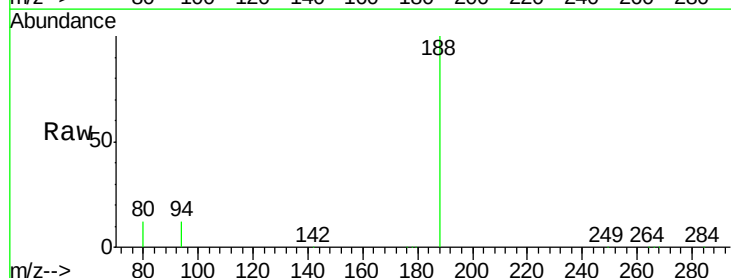
Tgt Ion:188 Resp: 128908

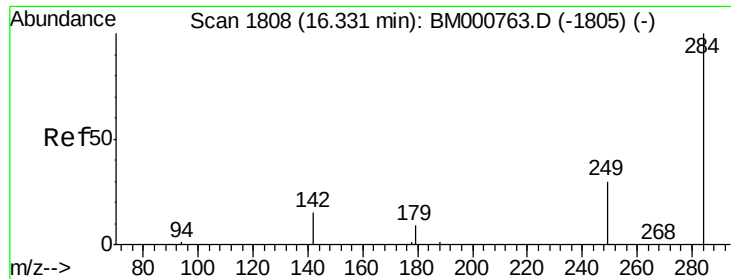
Ion Ratio Lower Upper

188 100

94 11.9 12.0 18.0#

80 12.4 12.8 19.2#

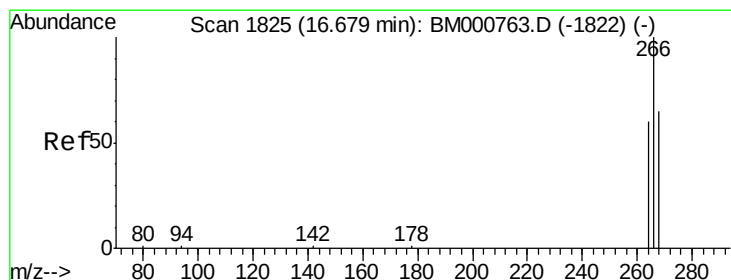
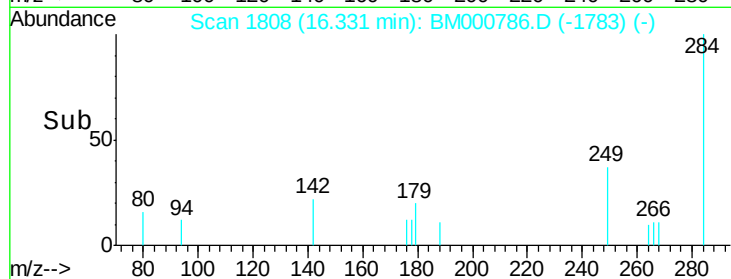
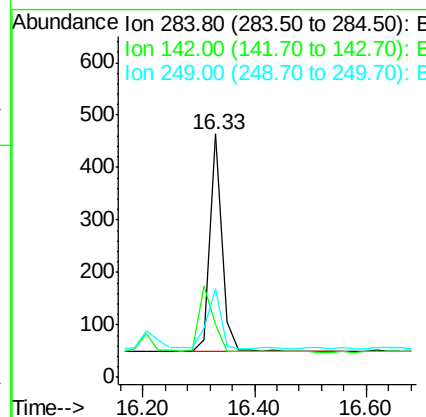
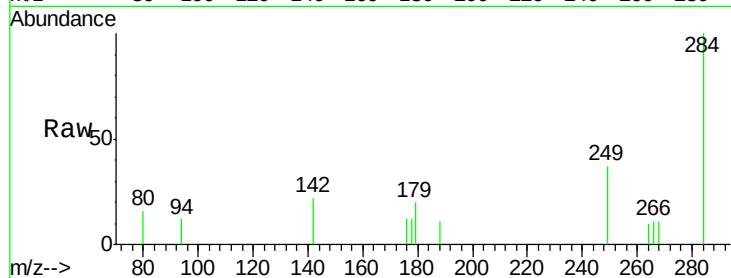




#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

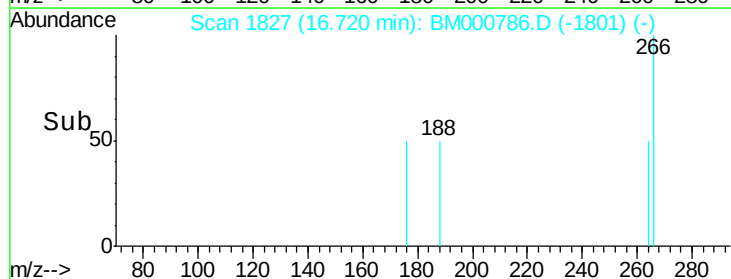
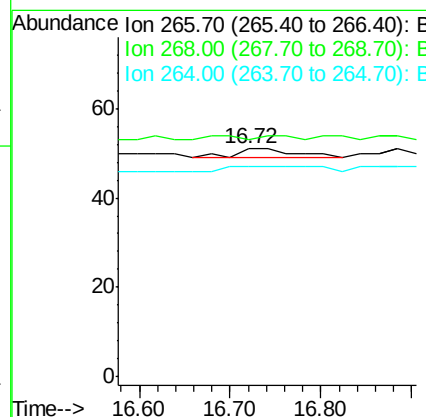
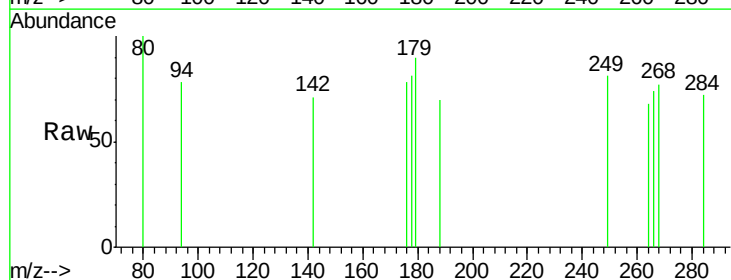
Instrument :
BNA_M
ClientSampleId :

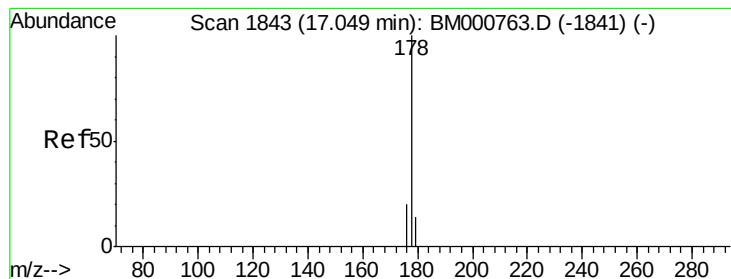
Tot Ion:284 Resp: 625
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.0 25.2 37.8



#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.72 min Scan# 1827
Delta R.T. 0.04 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
268 103.9 55.0 82.6#
264 92.2 51.0 76.4#





#16

Phenanthrene

Concen: 0.07 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.10 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampled :

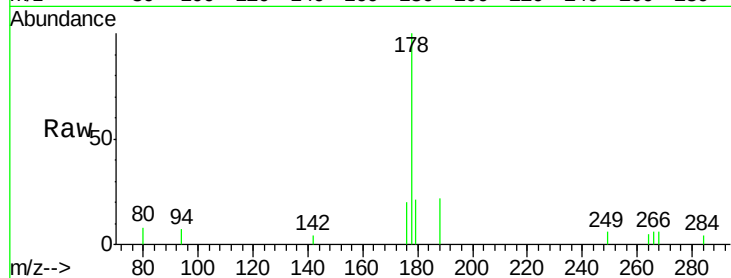
Tot Ion:178 Resp: 2339

Ion Ratio Lower Upper

178 100

176 17.2 15.3 22.9

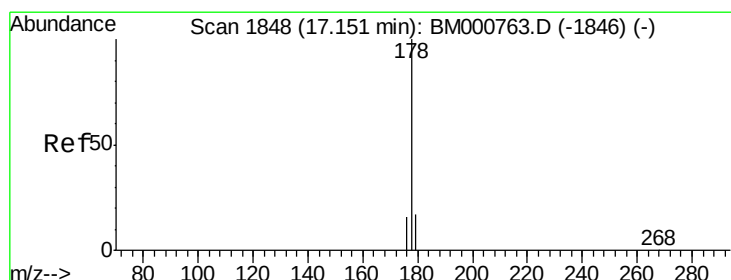
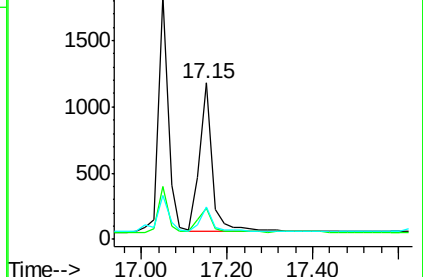
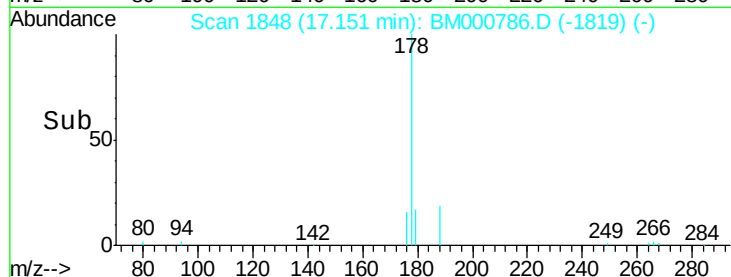
179 15.0 12.2 18.2



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: 0.08 ng

RT: 17.15 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

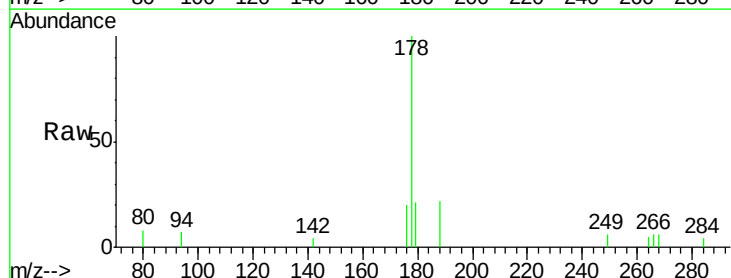
Tgt Ion:178 Resp: 2372

Ion Ratio Lower Upper

178 100

176 17.0 14.6 22.0

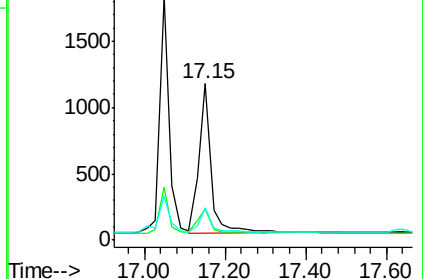
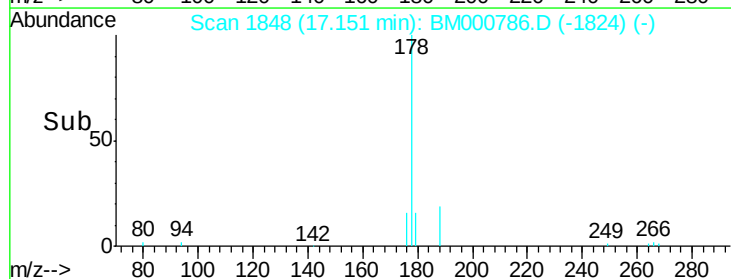
179 14.8 12.2 18.4

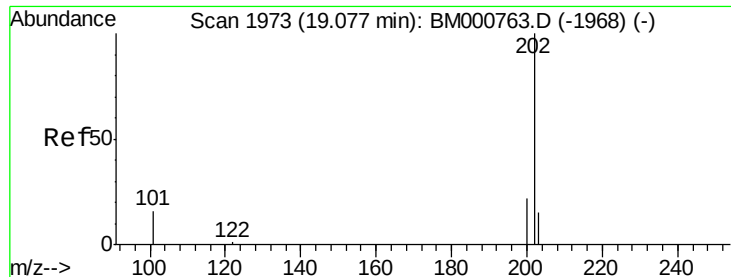


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

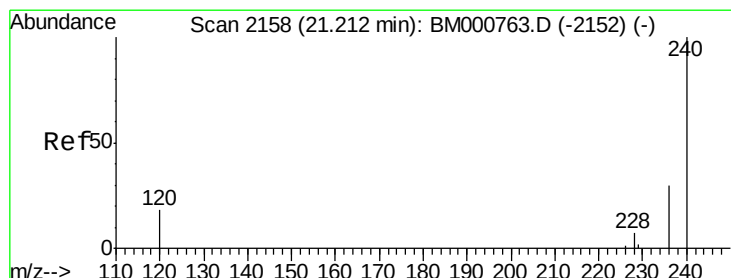
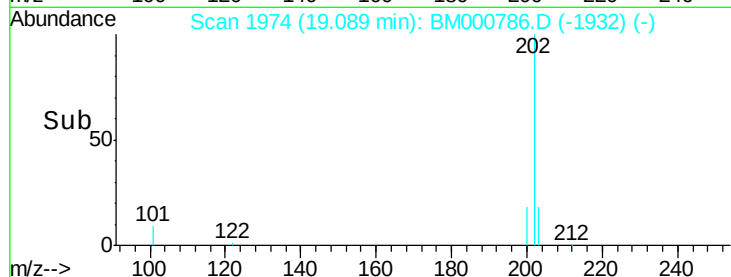
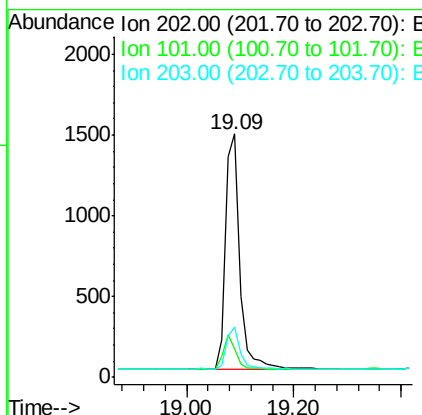
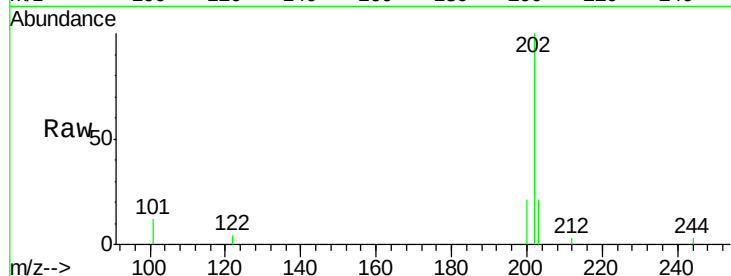




#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000786.D
 Acq: 01 Apr 2015 14:20

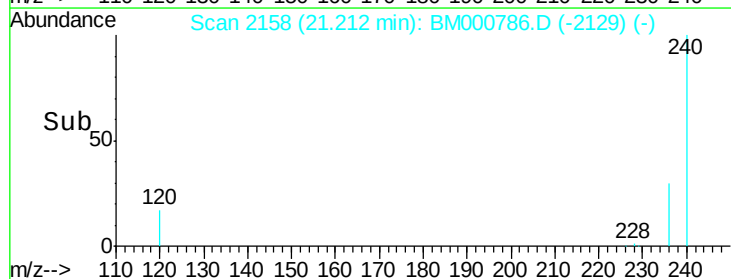
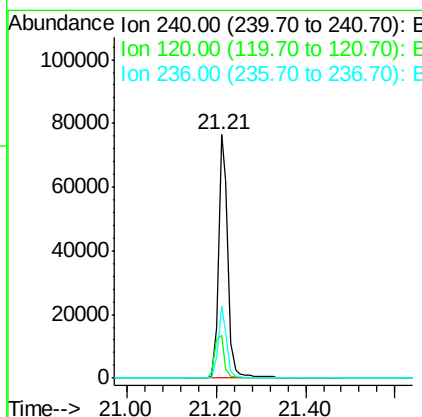
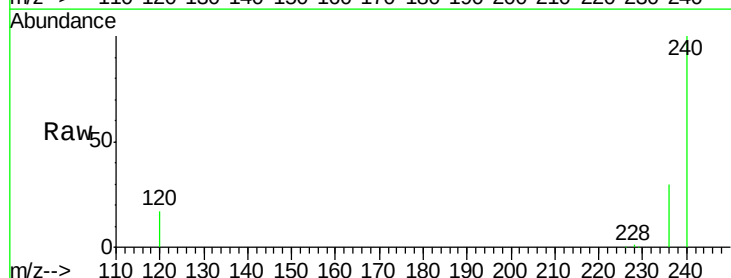
Instrument :
 BNA_M
 ClientSampleId :

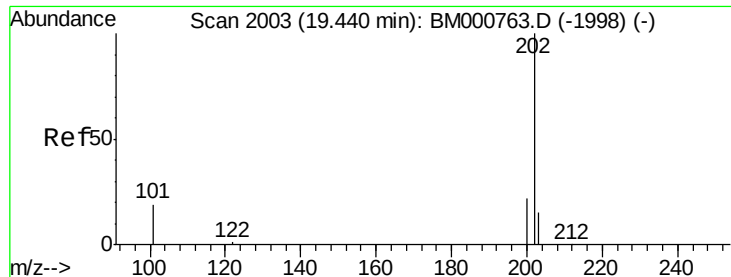
Tot Ion:202 Resp: 2786
 Ion Ratio Lower Upper
 202 100
 101 13.8 10.5 15.7
 203 17.9 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000786.D
 Acq: 01 Apr 2015 14:20

Tgt Ion:240 Resp: 109617
 Ion Ratio Lower Upper
 240 100
 120 17.4 14.9 22.3
 236 29.7 24.2 36.4

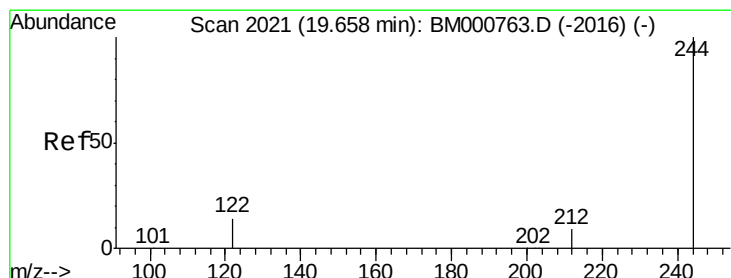
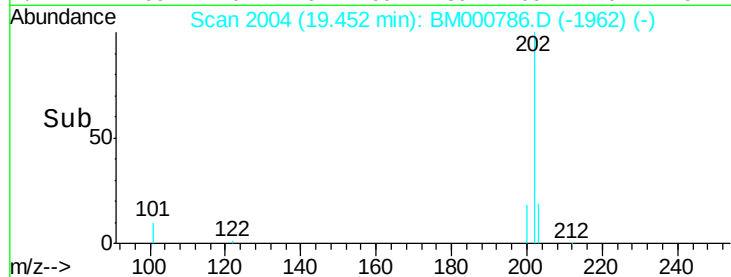
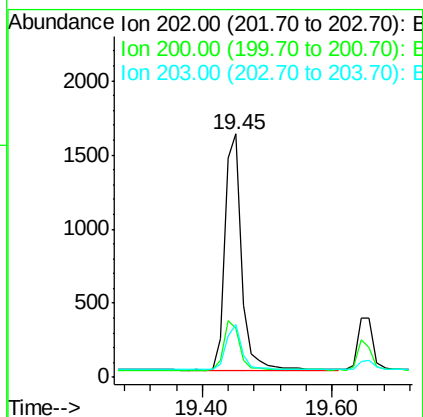
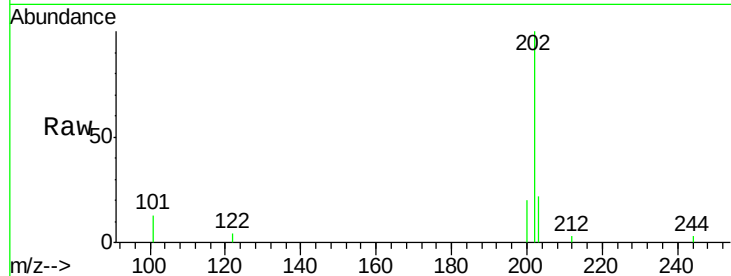




#20
Pvrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

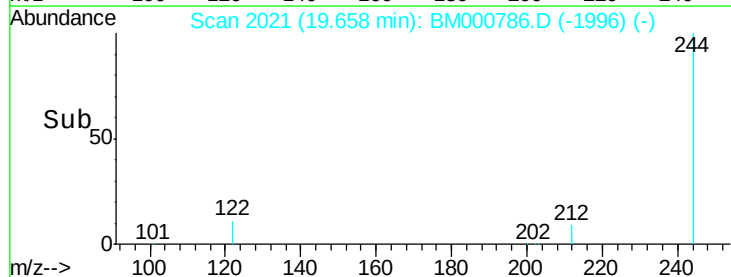
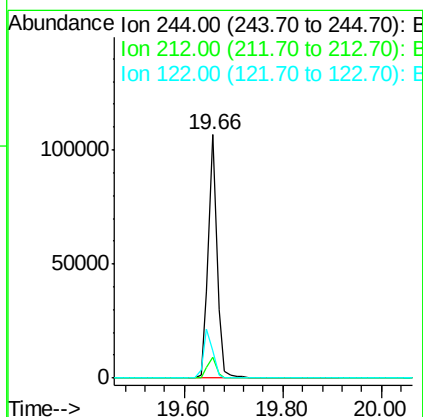
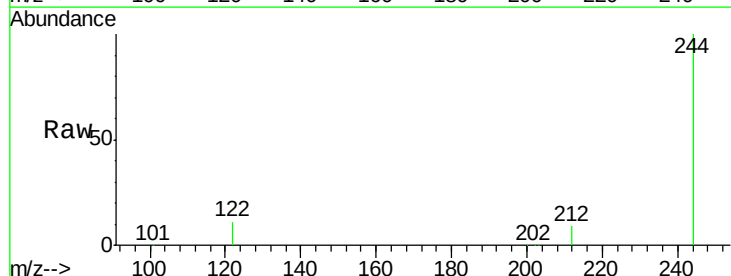
Instrument :
BNA_M
ClientSampleId :

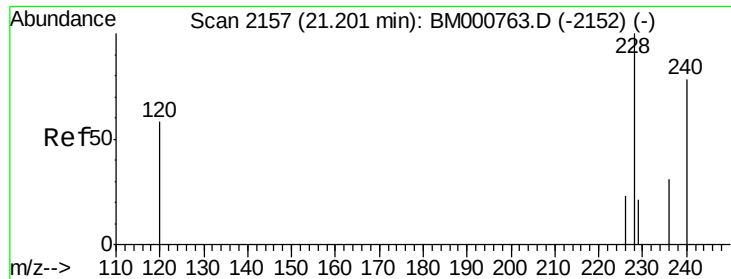
Tot Ion:202 Resp: 2885
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.6 13.9 20.9



#21
Terphenyl-d14
Concen: 10.10 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion:244 Resp: 133184
Ion Ratio Lower Upper
244 100
212 8.8 7.8 11.6
122 11.1 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.20 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :

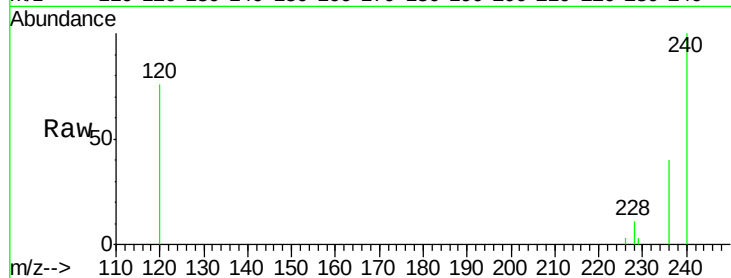
Tot Ion:228 Resp: 2715

Ion Ratio Lower Upper

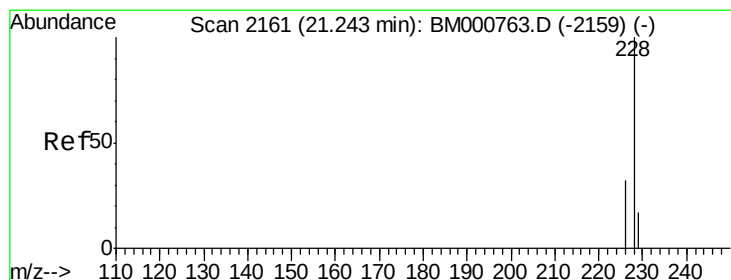
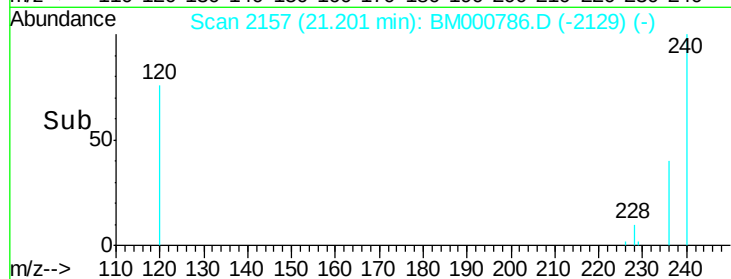
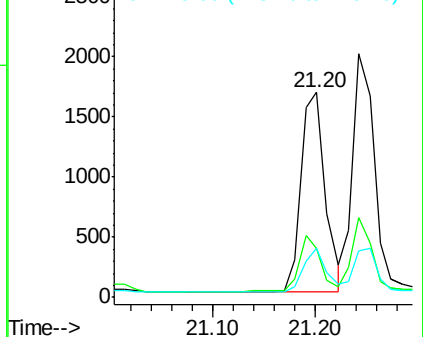
228 100

226 23.9 18.6 27.8

229 24.1 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: BM000786.D

Acq: 01 Apr 2015 14:20

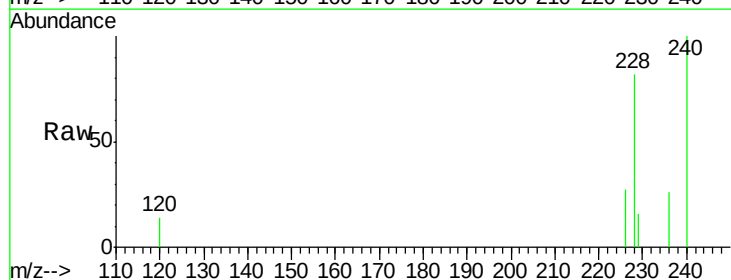
Tgt Ion:228 Resp: 3064

Ion Ratio Lower Upper

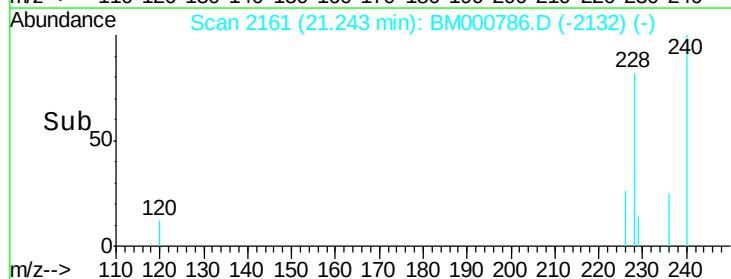
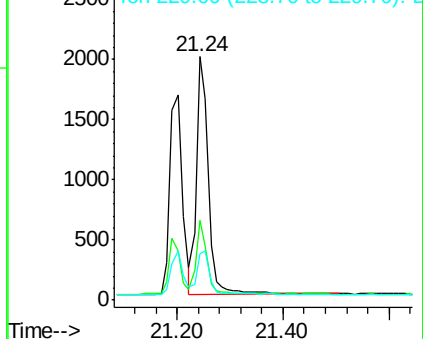
228 100

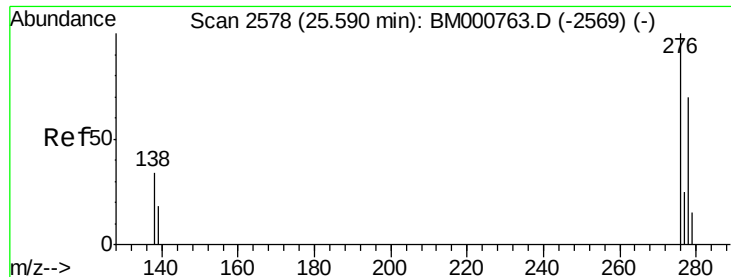
226 33.0 25.8 38.8

229 19.2 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

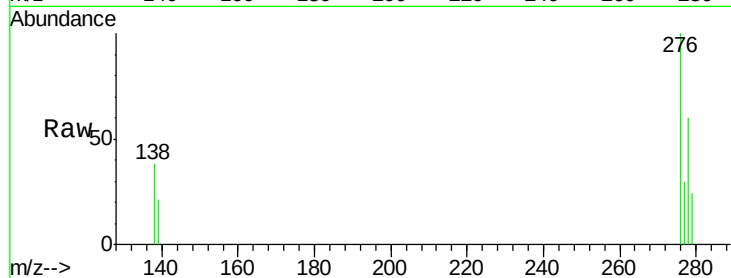




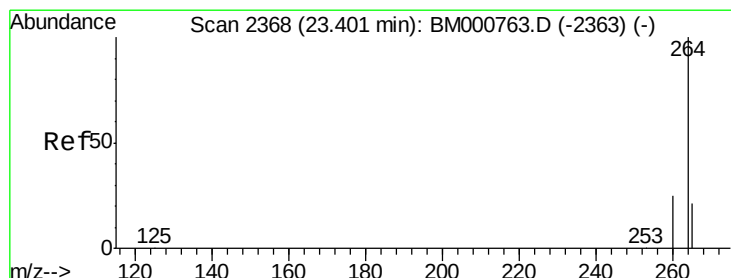
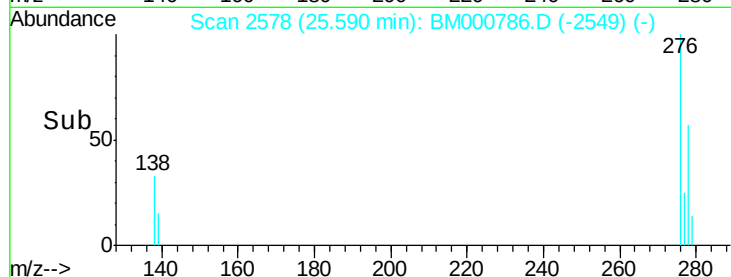
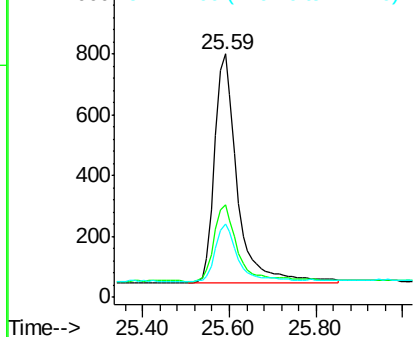
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.59 min Scan# 2578
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 2718
Ion Ratio Lower Upper
276 100
138 34.0 27.4 41.2
277 24.7 19.7 29.5

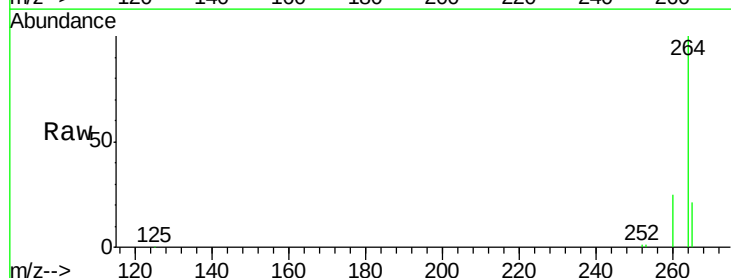


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

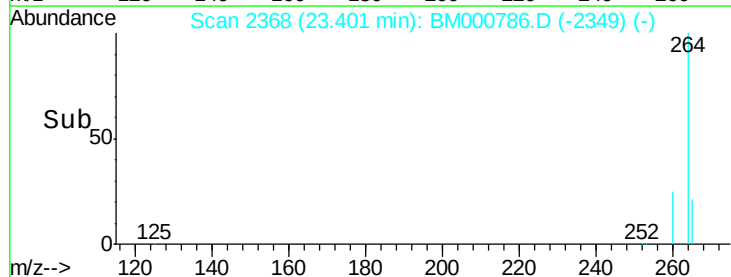
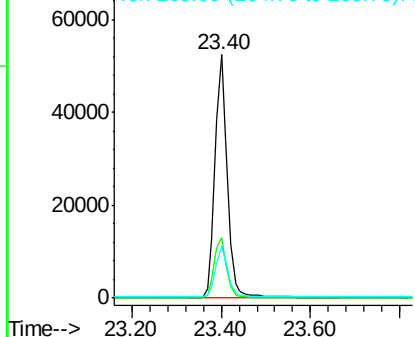


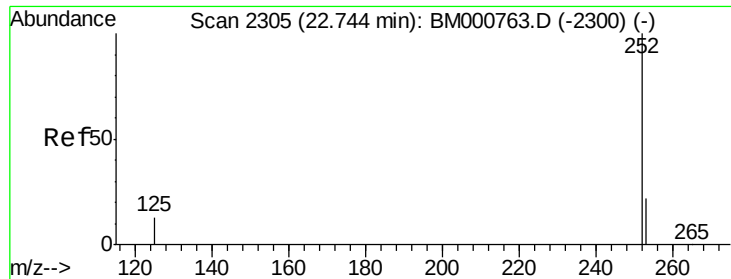
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion:264 Resp: 100767
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 21.4 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

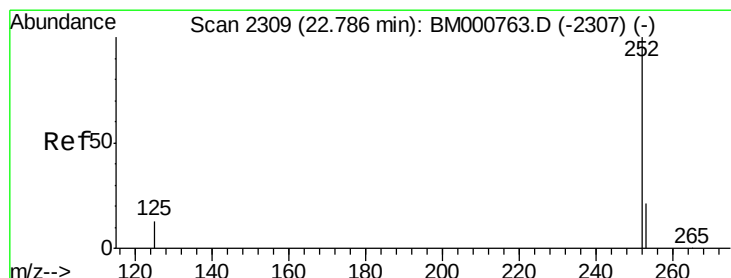
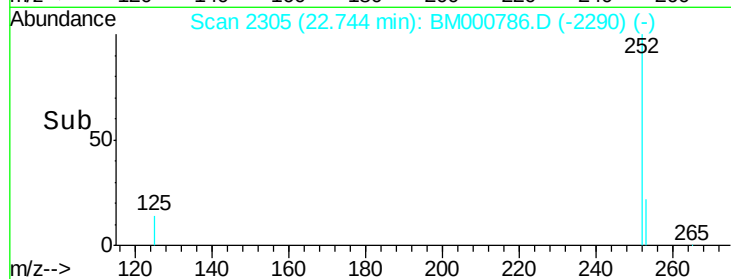
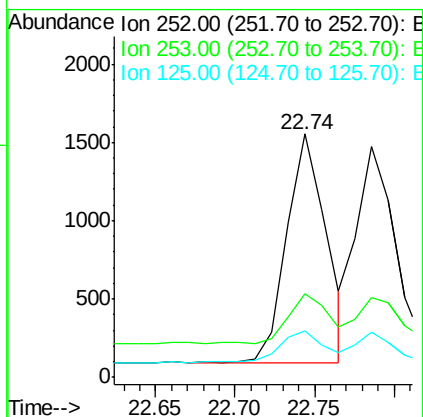
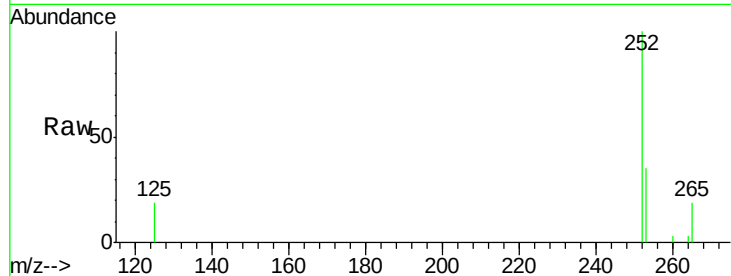




#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

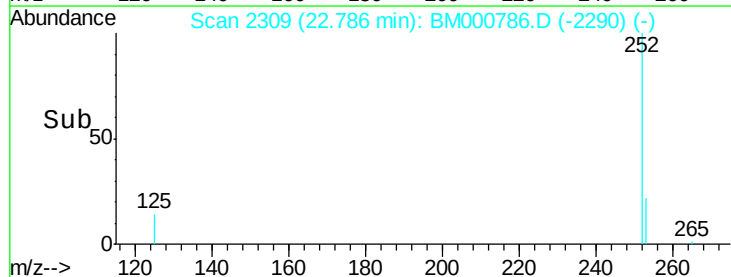
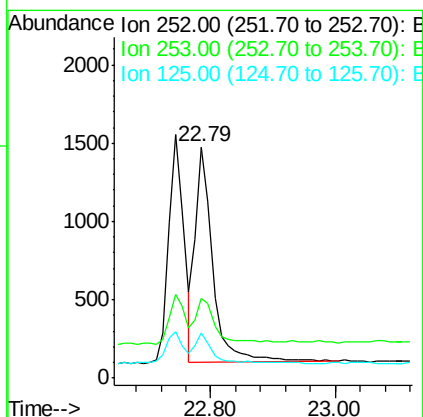
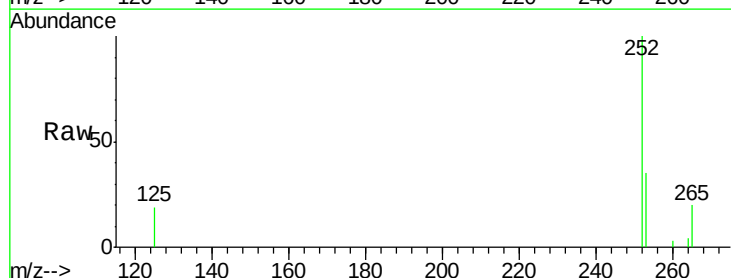
Instrument :
BNA_M
ClientSampleId :

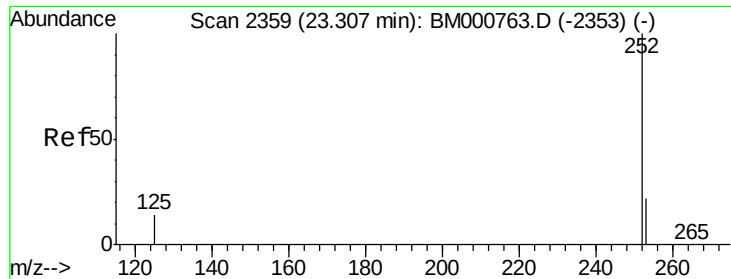
Tot Ion:252 Resp: 2512
Ion Ratio Lower Upper
252 100
253 34.6 18.5 27.7#
125 18.9 10.6 16.0#



#27
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000786.D
Acq: 01 Apr 2015 14:20

Tgt Ion:252 Resp: 2659
Ion Ratio Lower Upper
252 100
253 34.6 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

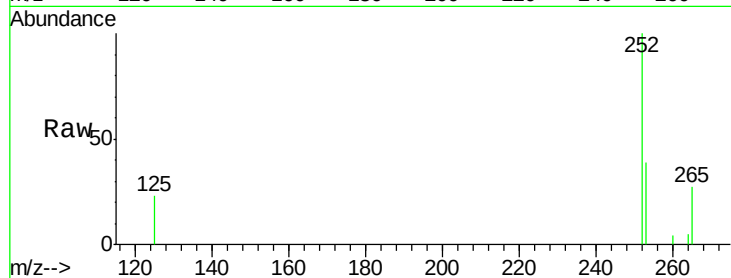
Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :



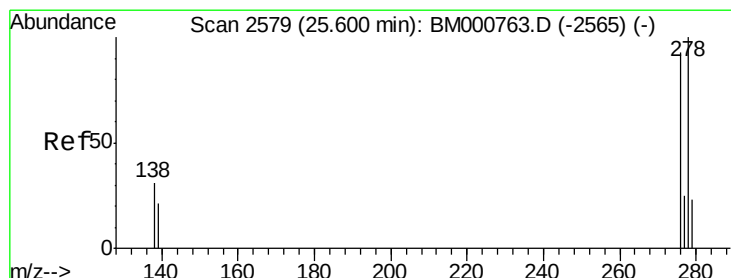
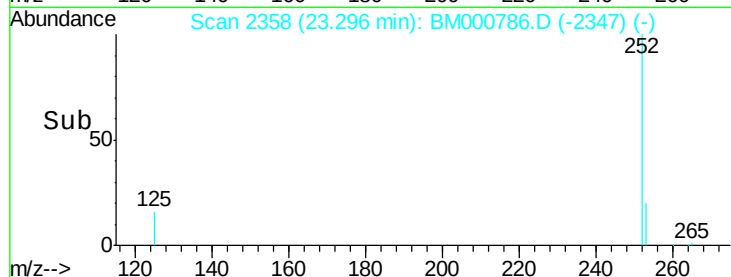
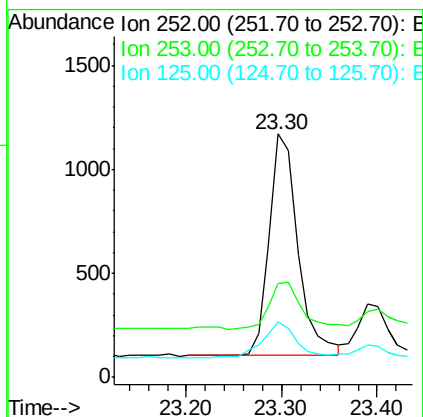
Tot Ion:252 Resp: 2229

Ion Ratio Lower Upper

252 100

253 38.6 19.4 29.2#

125 22.5 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: BM000786.D

Acq: 01 Apr 2015 14:20

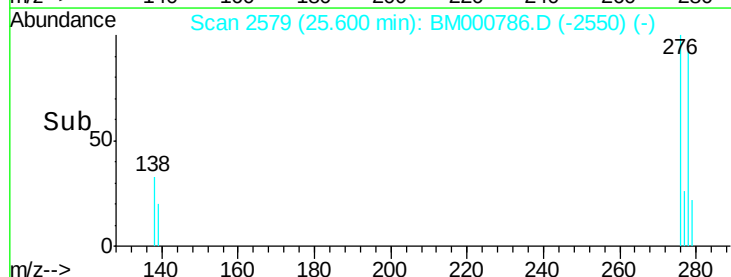
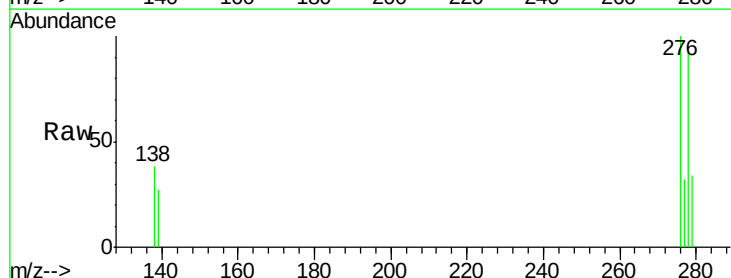
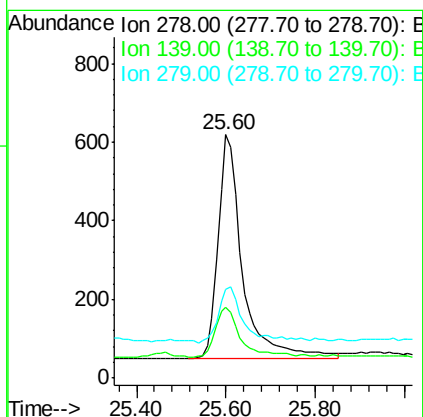
Tgt Ion:278 Resp: 2143

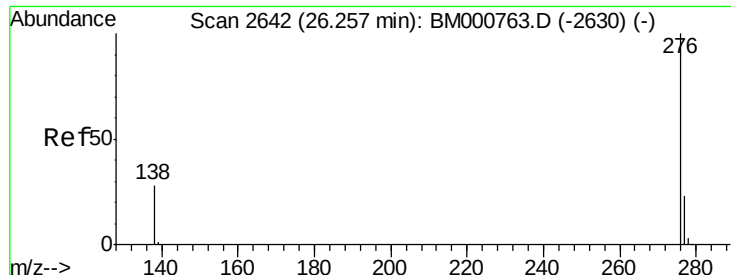
Ion Ratio Lower Upper

278 100

139 29.2 17.8 26.6#

279 36.2 19.3 28.9#





#30

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

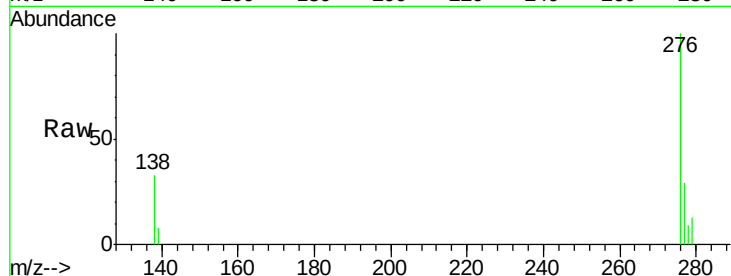
Lab File: BM000786.D

Acq: 01 Apr 2015 14:20

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 2539

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7#

138 33.3 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

