

Data Path : Z:\HPCHEM1\BNA M\DATA\BM033115\
 Data File : BM000782.D
 Acq On : 01 Apr 2015 11:57
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.1/0.2PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 01 15:26:52 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	36757	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	125867	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	61097	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	133351	5.00	ng	0.00
19) Chrysene-d12	21.21	240	111031	5.00	ng	0.00
25) Perylene-d12	23.40	264	103364	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	63699	8.24	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	192024	10.13	ng	0.00
21) Terphenyl-d14	19.66	244	145828	10.91	ng	0.00

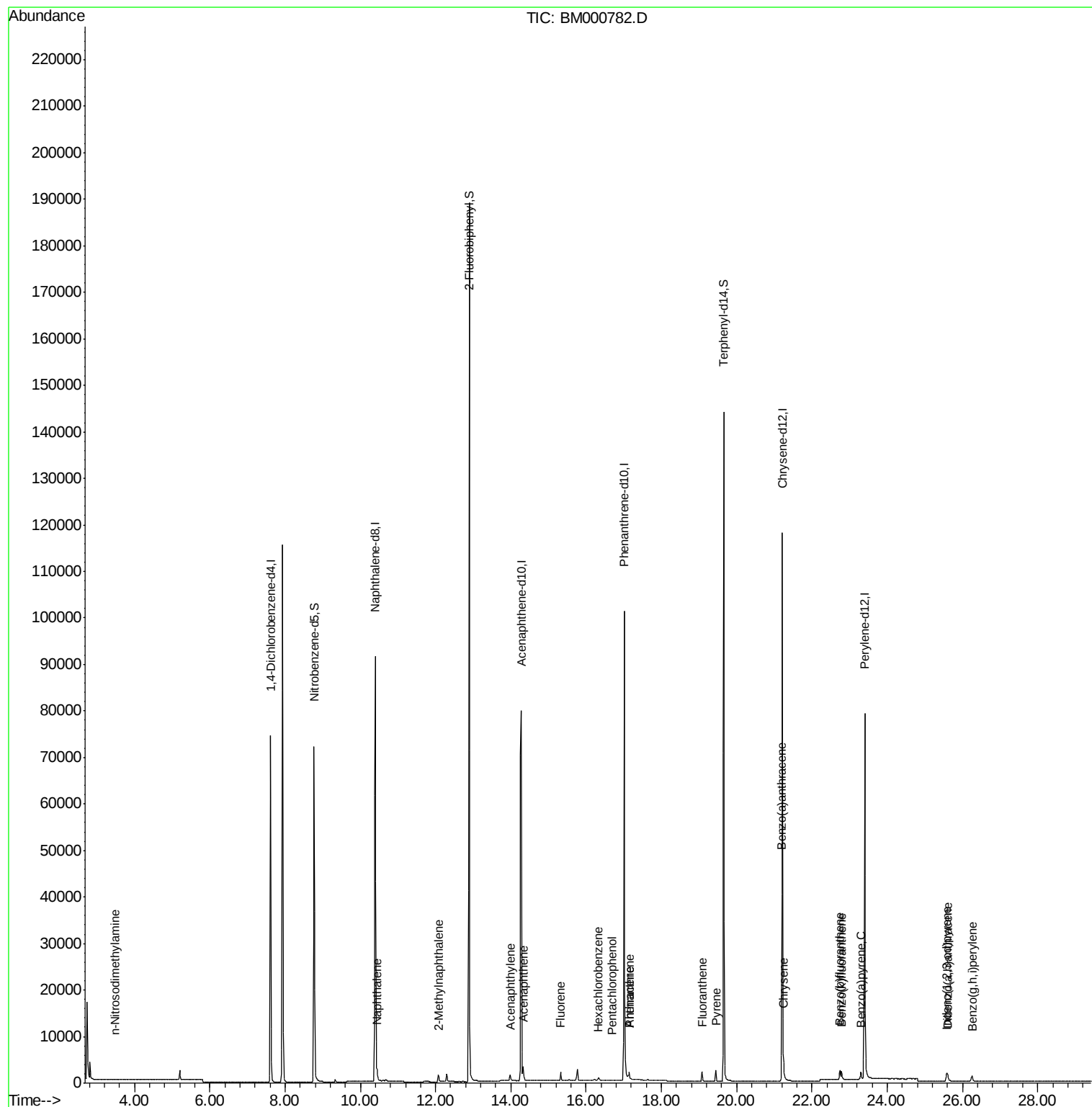
Target Compounds						Ovalue
3) n-Nitrosodimethylamine	3.48	42	88	0.18	ng	# 1
6) Naphthalene	10.45	128	2329	0.08	ng	# 93
7) 2-Methylnaphthalene	12.08	142	1372	0.07	ng	96
10) Acenaphthylene	13.98	152	1785	0.07	ng	98
11) Acenaphthene	14.33	154	1418	0.08	ng	99
12) Fluorene	15.32	166	1623	0.08	ng	98
14) Hexachlorobenzene	16.33	284	613	0.08	ng	# 76
15) Pentachlorophenol	16.70	266	10	0.37	ng	# 58
16) Phenanthrene	17.15	178	2288	0.06	ng	97
17) Anthracene	17.15	178	2288	0.07	ng	98
18) Fluoranthene	19.09	202	2674	0.07	ng	99
20) Pyrene	19.45	202	2794	0.08	ng	99
22) Benzo(a)anthracene	21.20	228	2677	0.08	ng	97
23) Chrysene	21.24	228	2957	0.09	ng	97
24) Indeno(1,2,3-cd)pyrene	25.58	276	2657	0.08	ng	99
26) Benzo(b)fluoranthene	22.74	252	2494	0.08	ng	# 81
27) Benzo(k)fluoranthene	22.79	252	2511	0.08	ng	# 80
28) Benzo(a)pyrene	23.30	252	2193	0.08	ng	# 73
29) Dibenzo(a,h)anthracene	25.60	278	2156	0.08	ng	# 80
30) Benzo(g,h,i)perylene	26.26	276	2480	0.08	ng	# 92

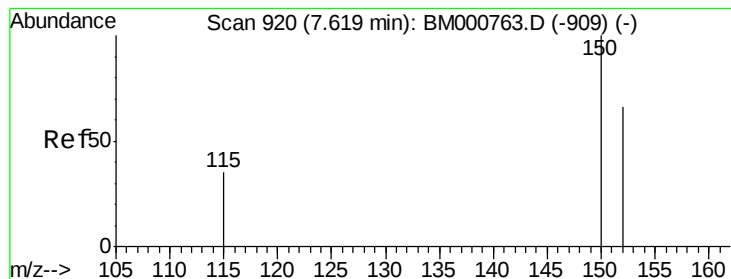
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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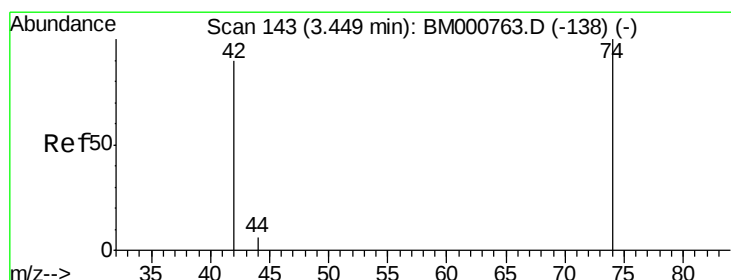
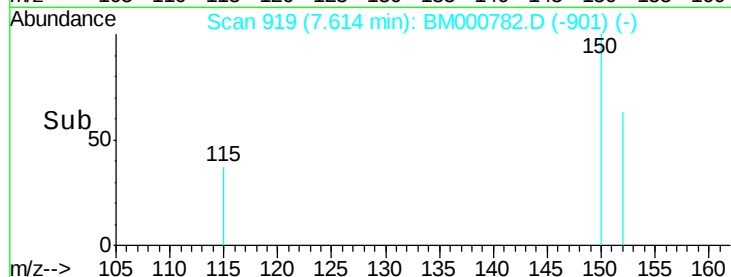
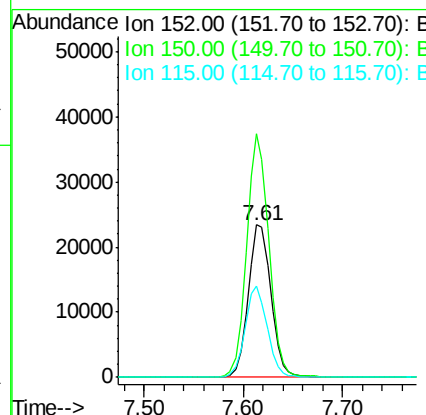
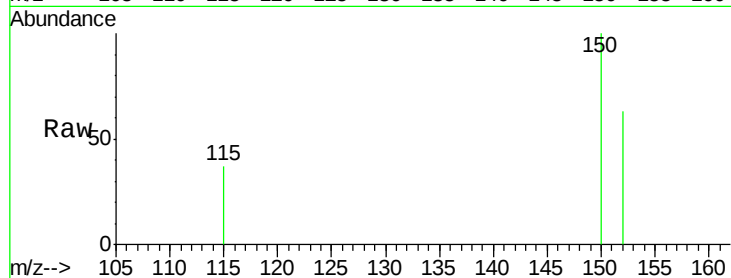


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 919
Delta R.T. -0.01 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :

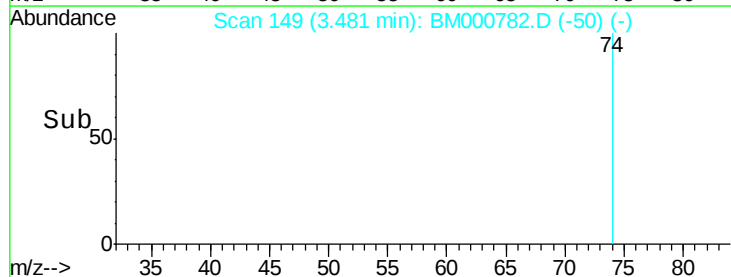
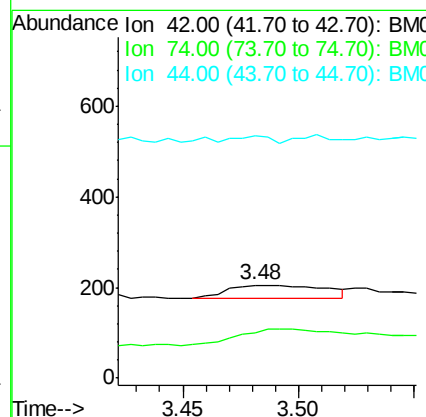
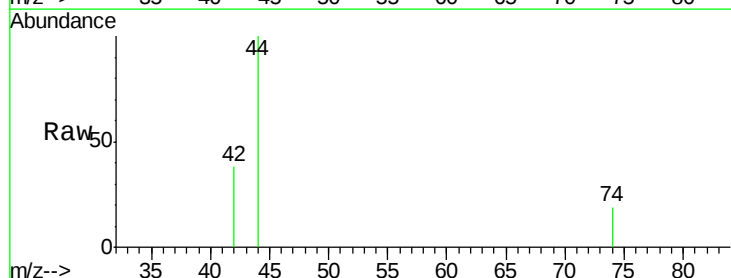
Tot Ion:152 Resp: 36757
Ion Ratio Lower Upper
152 100
150 159.8 120.8 181.2
115 59.7 42.7 64.1



#3

n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.48 min Scan# 149
Delta R.T. 0.03 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion: 42 Resp: 88
Ion Ratio Lower Upper
42 100
74 0.0 93.6 140.4#
44 18.2 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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

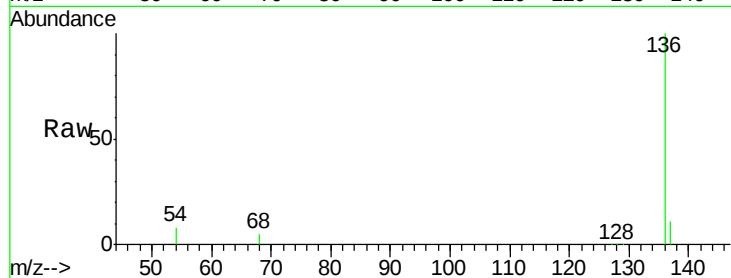
Tot Ion:136 Resp: 125867

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

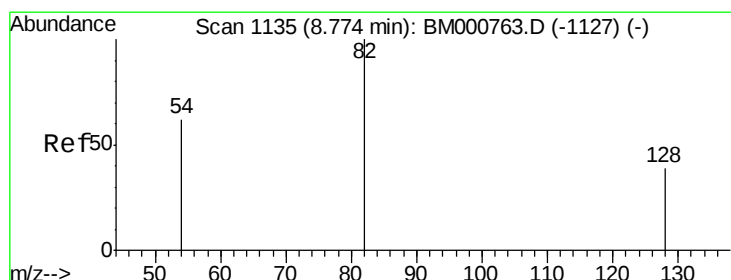
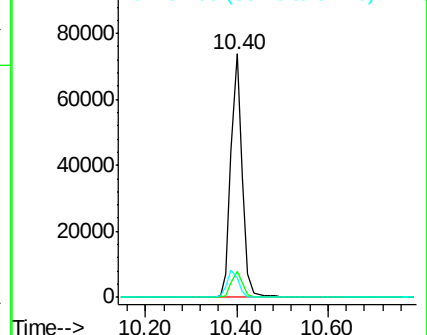
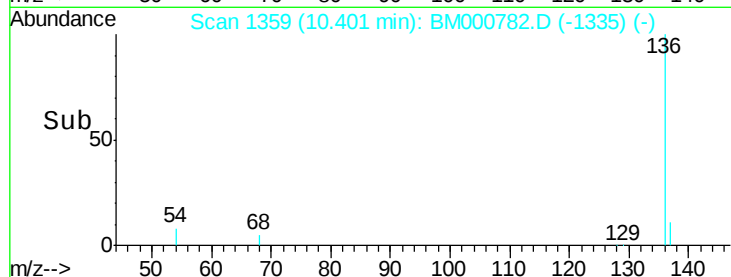
54 7.8 7.0 10.6



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: 8.24 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

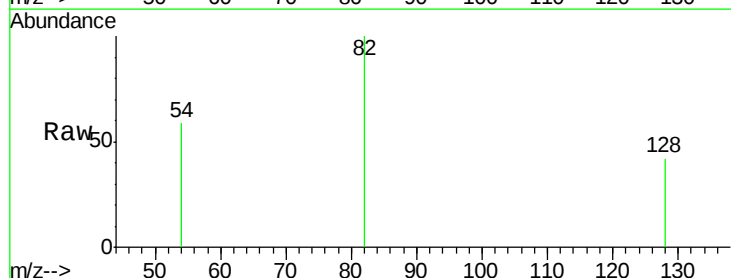
Tgt Ion: 82 Resp: 63699

Ion Ratio Lower Upper

82 100

128 42.1 32.2 48.2

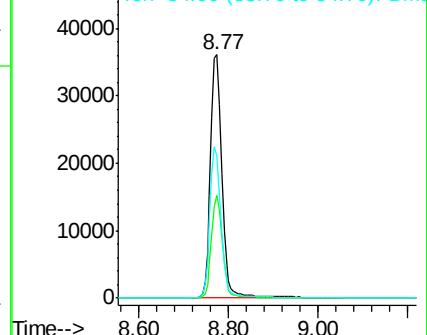
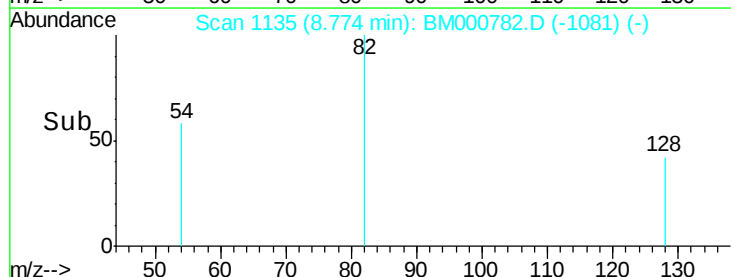
54 58.5 50.2 75.4



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

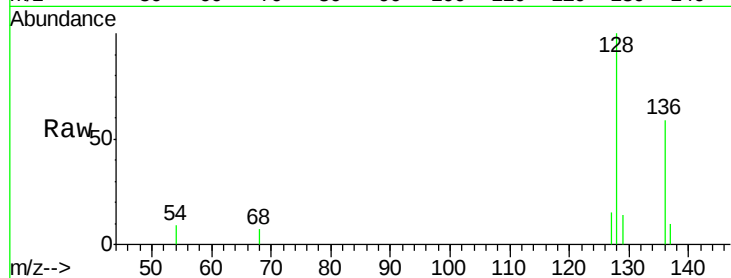
Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :



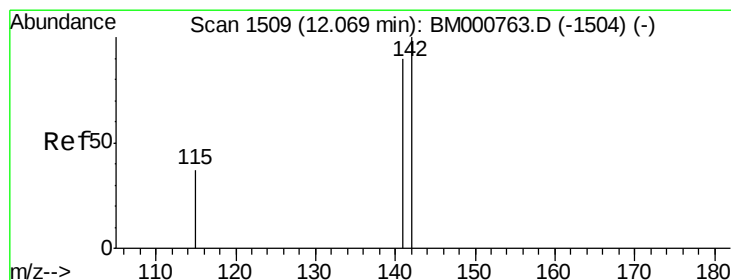
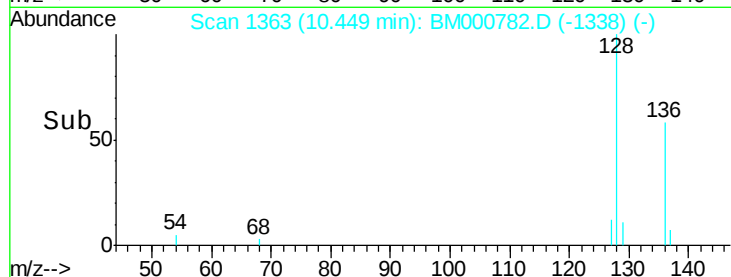
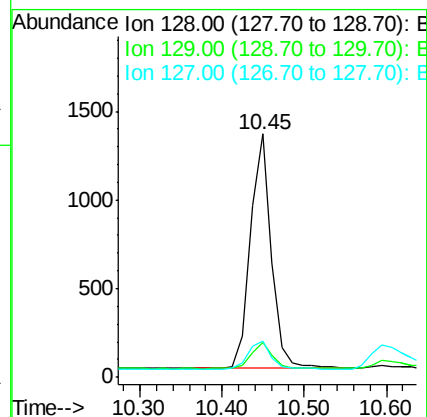
Tot Ion:128 Resp: 2329

Ion Ratio Lower Upper

128 100

129 14.1 8.9 13.3#

127 15.0 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: BM000782.D

Acq: 01 Apr 2015 11:57

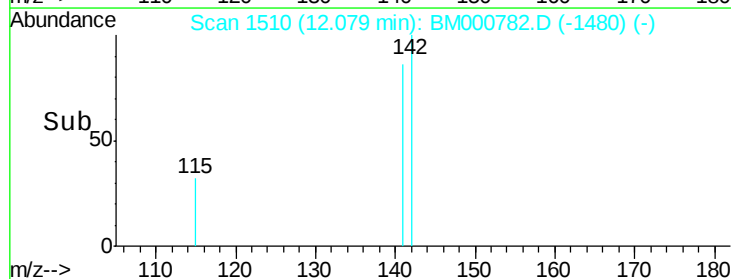
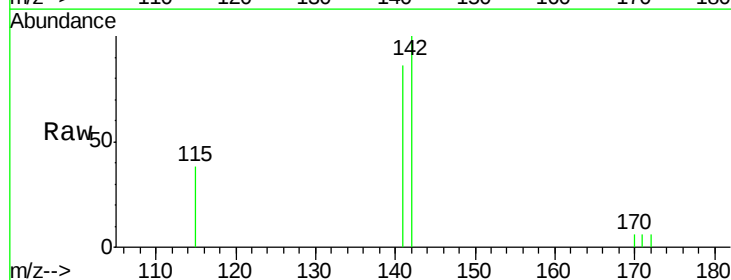
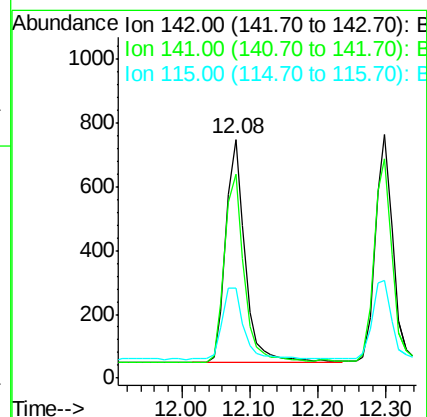
Tgt Ion:142 Resp: 1372

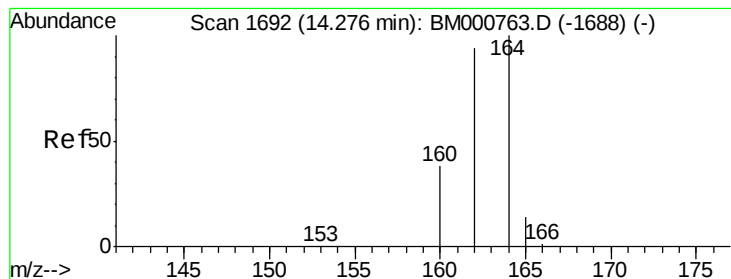
Ion Ratio Lower Upper

142 100

141 85.6 72.3 108.5

115 37.7 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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

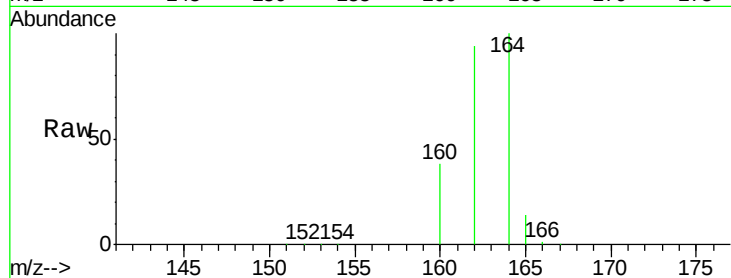
Tot Ion:164 Resp: 61097

Ion Ratio Lower Upper

164 100

162 93.6 75.4 113.2

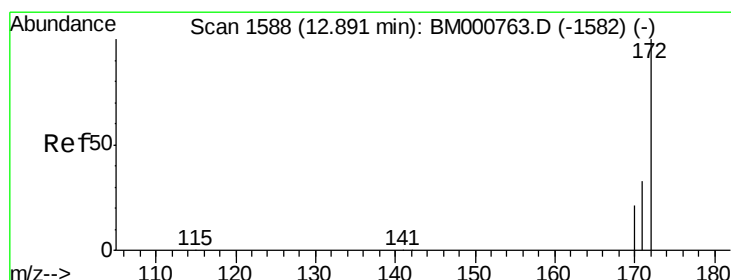
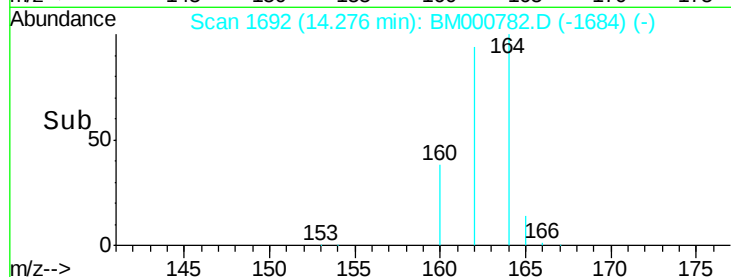
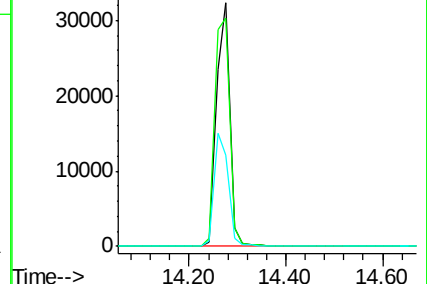
160 37.8 30.8 46.2



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: 10.13 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

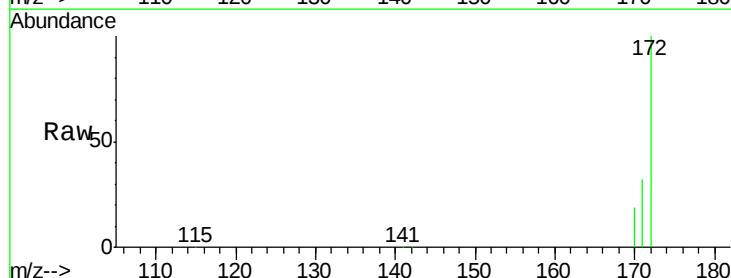
Tgt Ion:172 Resp: 192024

Ion Ratio Lower Upper

172 100

171 31.6 26.6 39.8

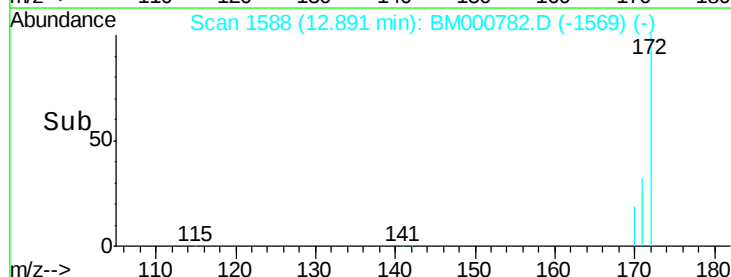
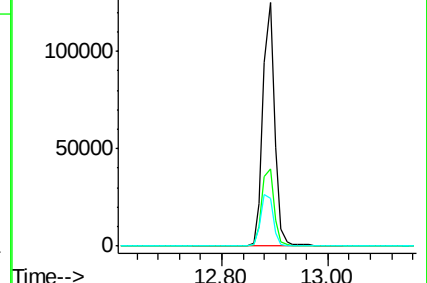
170 19.4 17.1 25.7



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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampled :

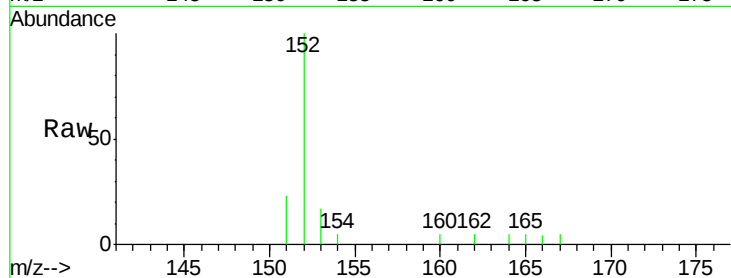
Tot Ion:152 Resp: 1785

Ion Ratio Lower Upper

152 100

151 19.8 15.1 22.7

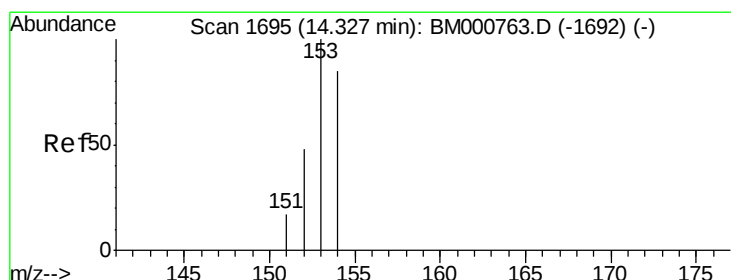
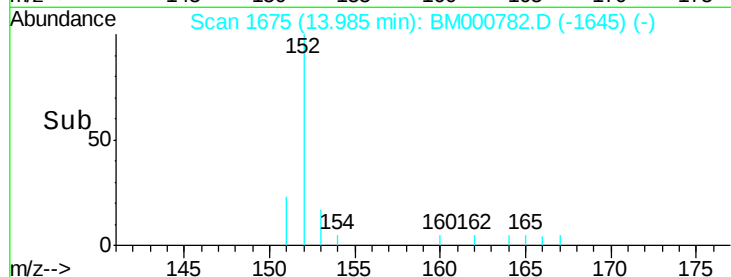
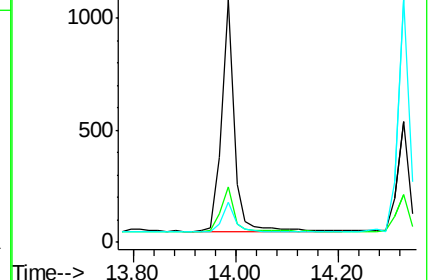
153 12.4 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.08 ng

RT: 14.33 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

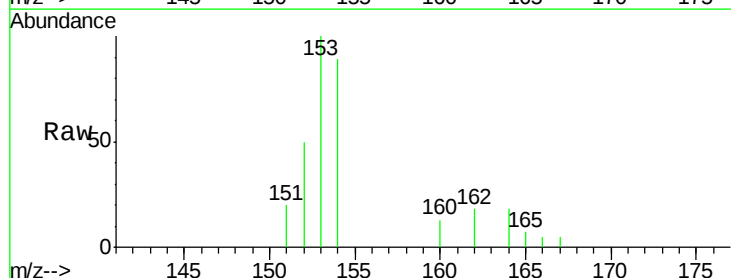
Tgt Ion:154 Resp: 1418

Ion Ratio Lower Upper

154 100

153 111.1 87.3 130.9

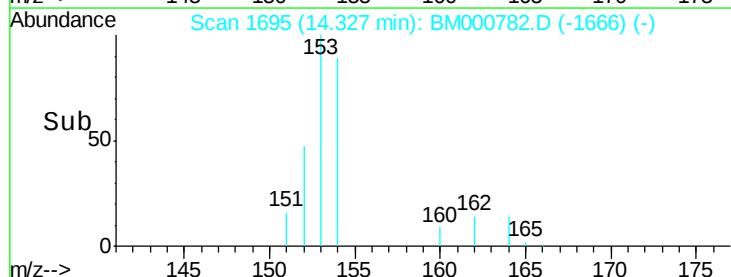
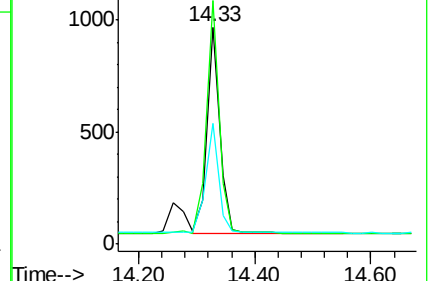
152 53.5 43.0 64.6

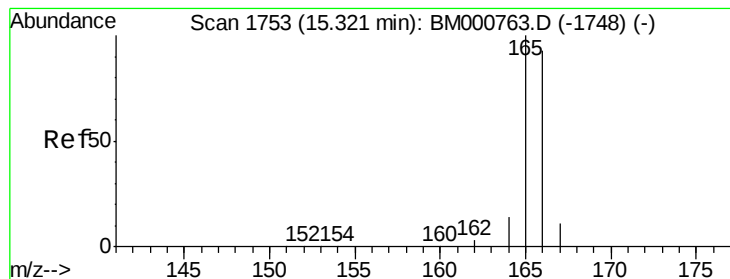


Abundance Ion 154.00 (153.70 to 154.70): E

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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

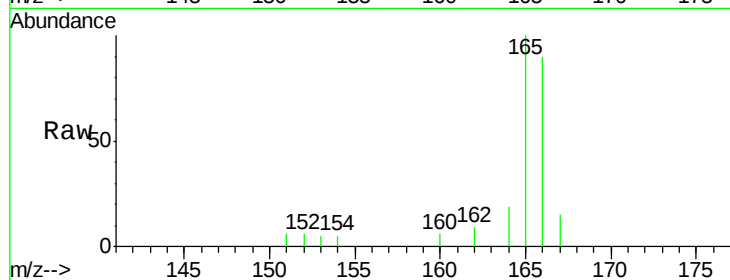
Tot Ion:166 Resp: 1623

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.2

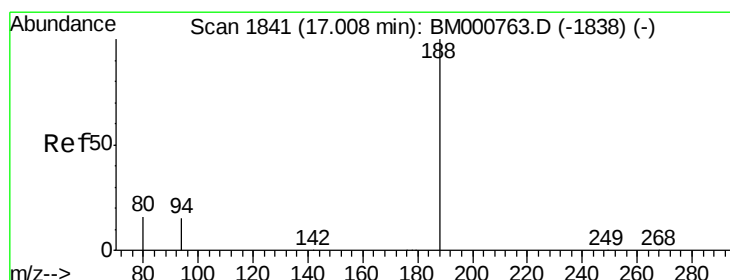
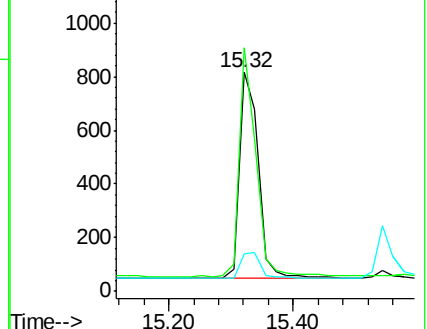
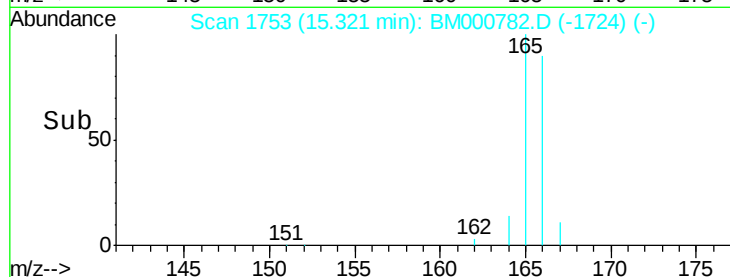
167 13.0 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

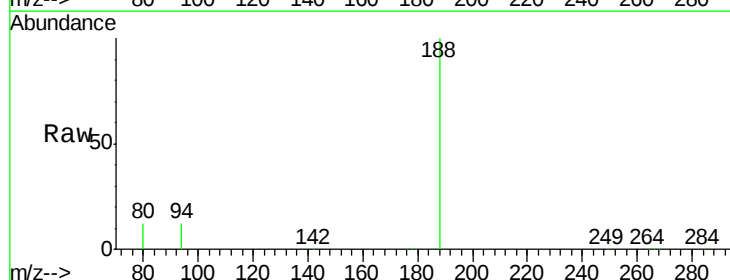
Tgt Ion:188 Resp: 133351

Ion Ratio Lower Upper

188 100

94 11.8 12.0 18.0#

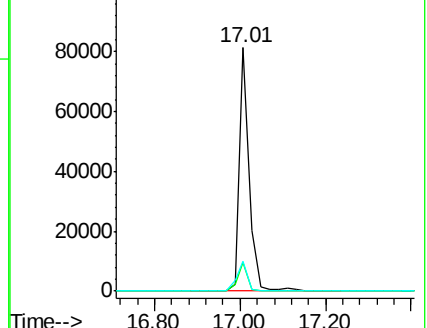
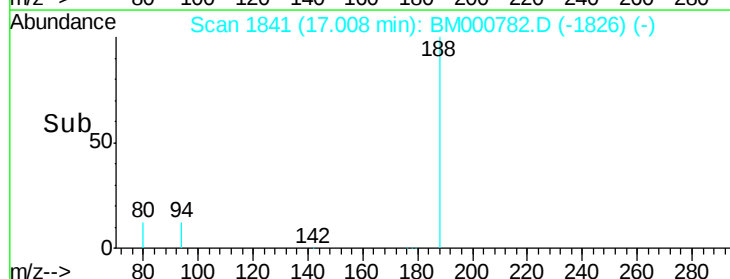
80 12.1 12.8 19.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

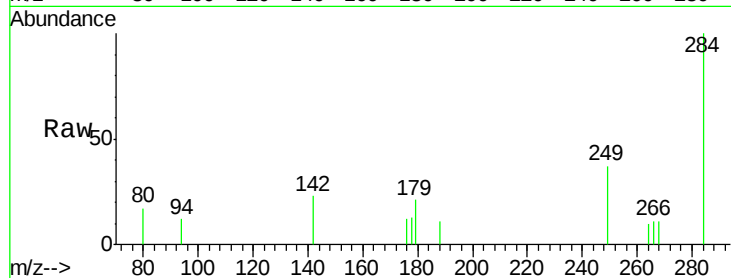




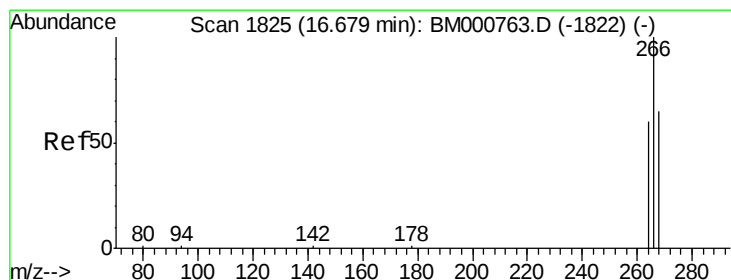
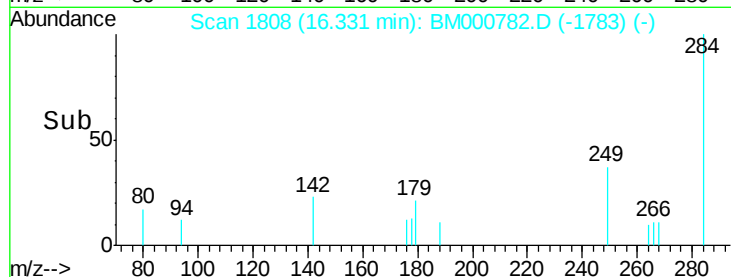
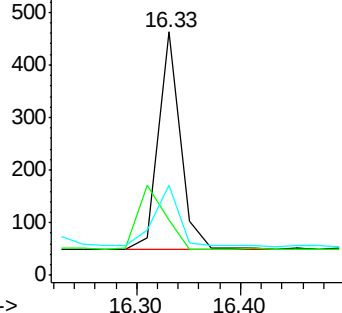
#14
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Instrument :
BNA_M
ClientSampleId :

Tot Ion:284 Resp: 613
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 45.0 25.2 37.8#

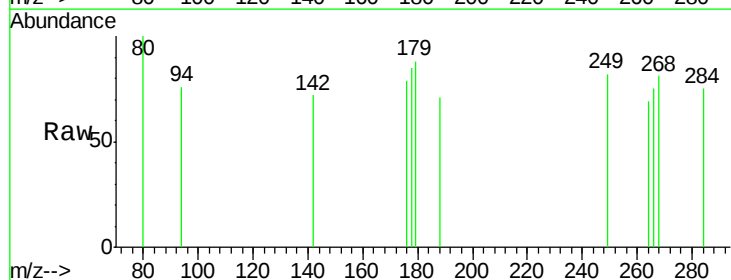


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

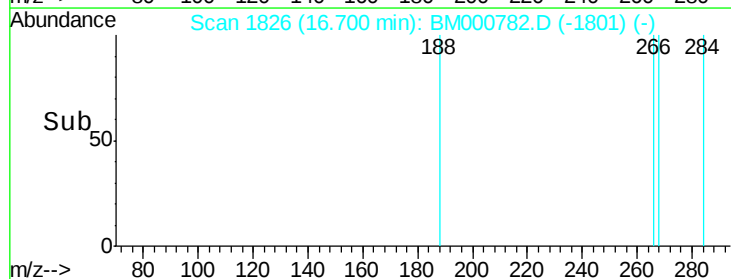
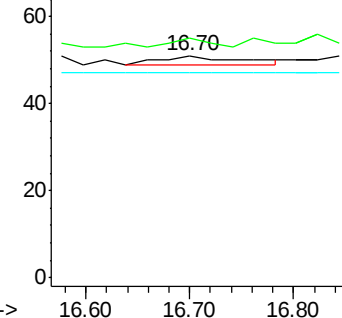


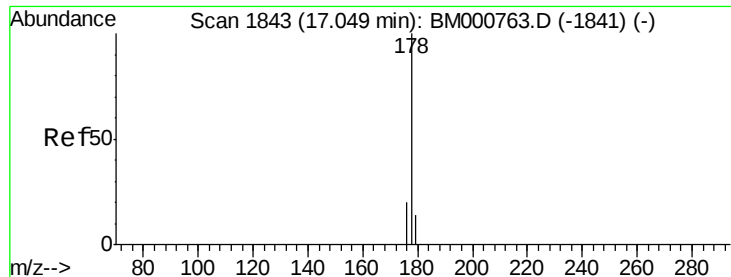
#15
Pentachlorophenol
Concen: 0.37 ng
RT: 16.70 min Scan# 1826
Delta R.T. 0.02 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion:266 Resp: 10
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: 0.06 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.10 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

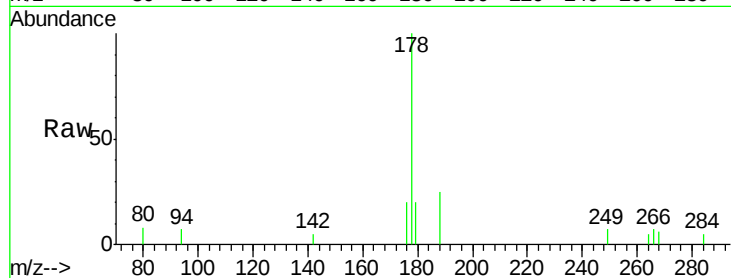
Tot Ion:178 Resp: 2288

Ion Ratio Lower Upper

178 100

176 17.4 15.3 22.9

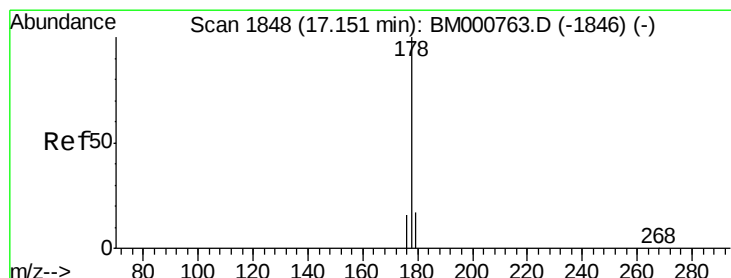
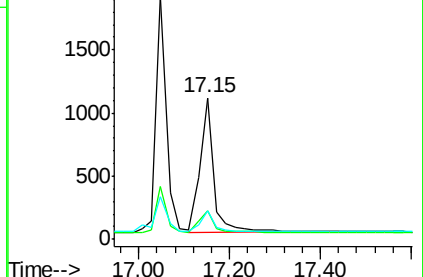
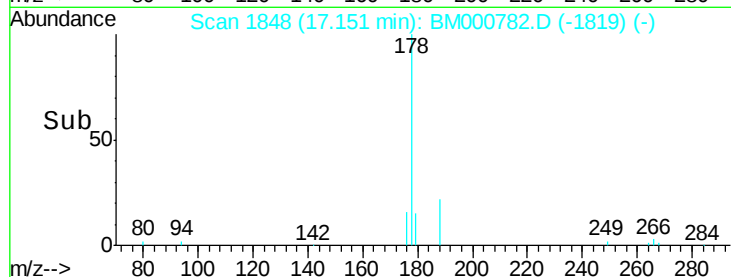
179 14.4 12.2 18.2



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: 0.07 ng

RT: 17.15 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

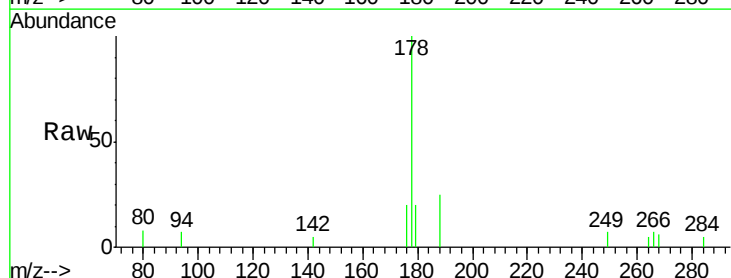
Tgt Ion:178 Resp: 2288

Ion Ratio Lower Upper

178 100

176 17.4 14.6 22.0

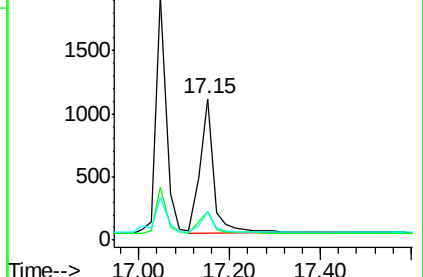
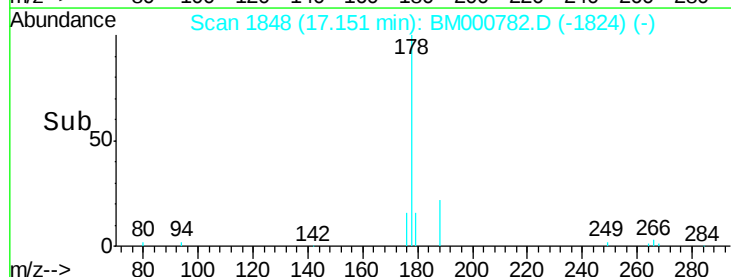
179 14.4 12.2 18.4



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

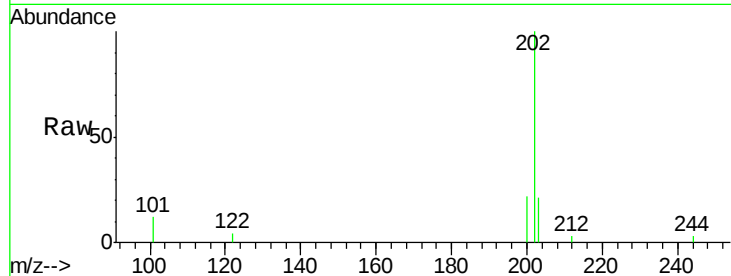




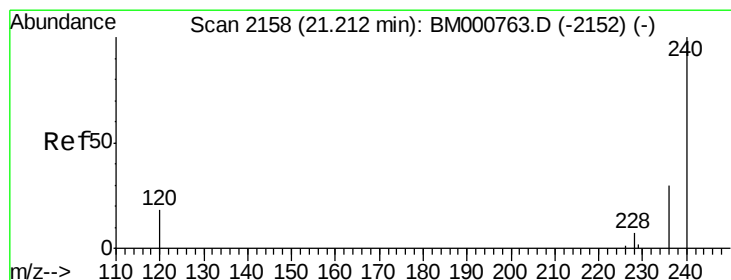
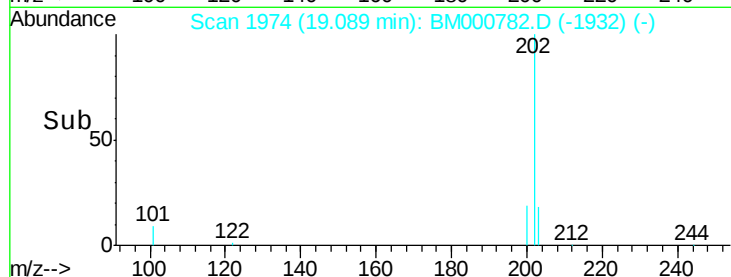
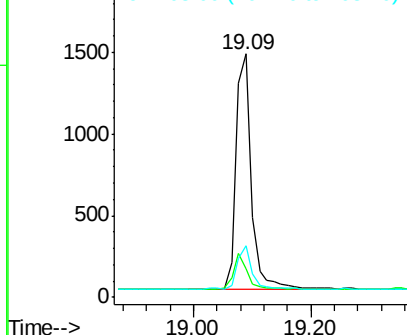
#18
 Fluoranthene
 Concen: 0.07 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000782.D
 Acq: 01 Apr 2015 11:57

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2674
 Ion Ratio Lower Upper
 202 100
 101 13.4 10.5 15.7
 203 17.9 13.8 20.8

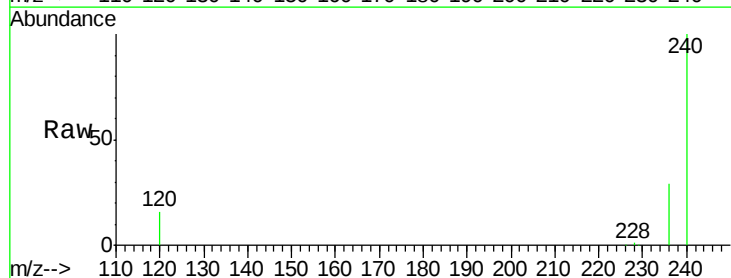


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

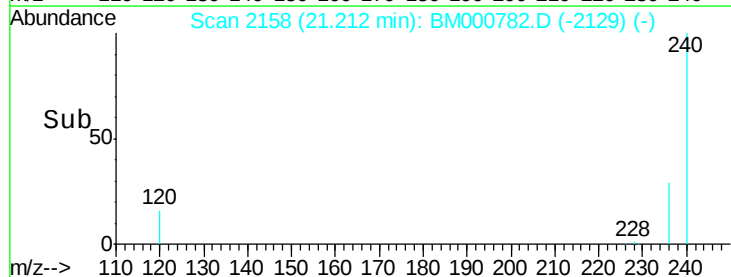
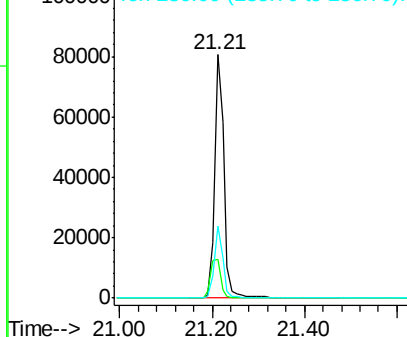


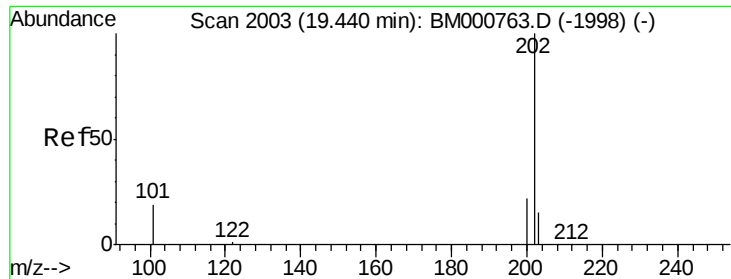
#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000782.D
 Acq: 01 Apr 2015 11:57

Tgt Ion:240 Resp: 111031
 Ion Ratio Lower Upper
 240 100
 120 15.9 14.9 22.3
 236 29.4 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

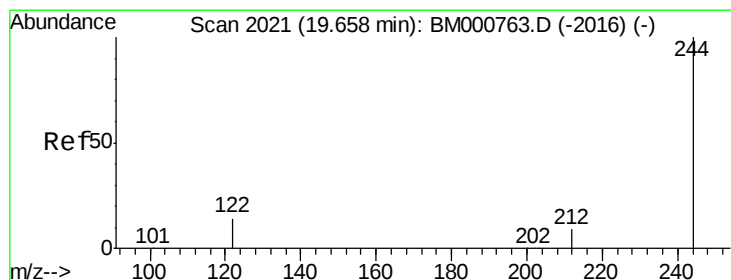
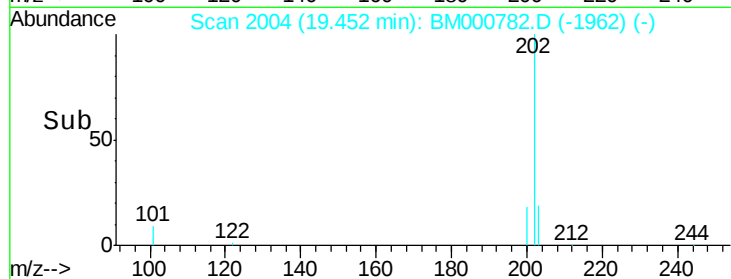
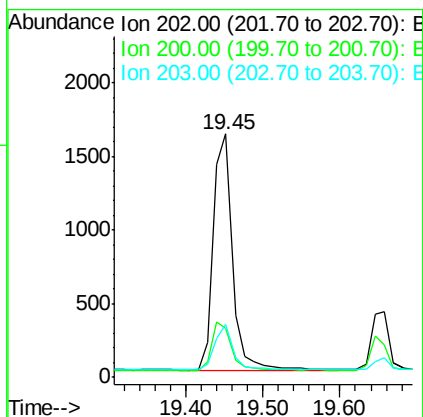
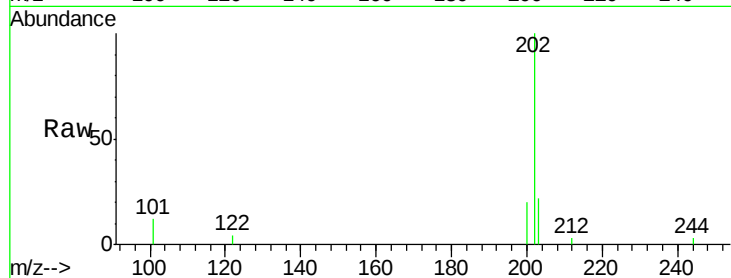




#20
Pvrene
Concen: 0.08 ng
RT: 19.45 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

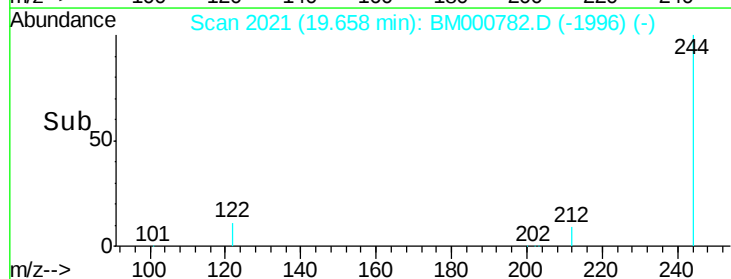
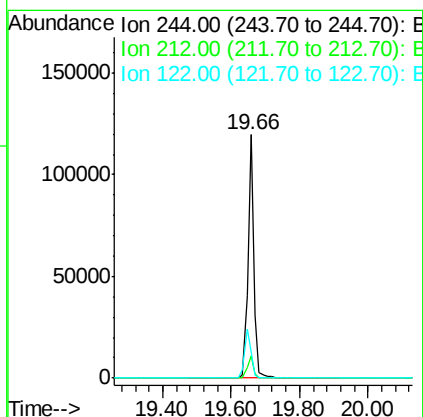
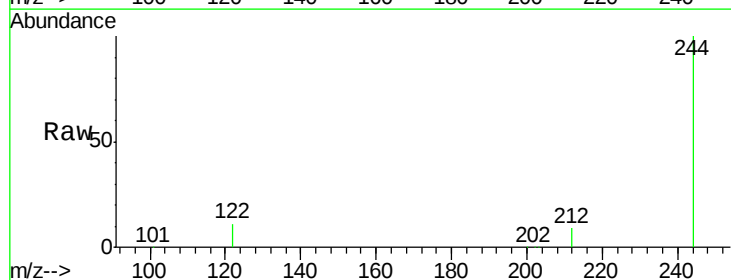
Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2794
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 18.2 13.9 20.9



#21
Terphenyl-d14
Concen: 10.91 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion:244 Resp: 145828
Ion Ratio Lower Upper
244 100
212 8.9 7.8 11.6
122 10.9 11.8 17.8#

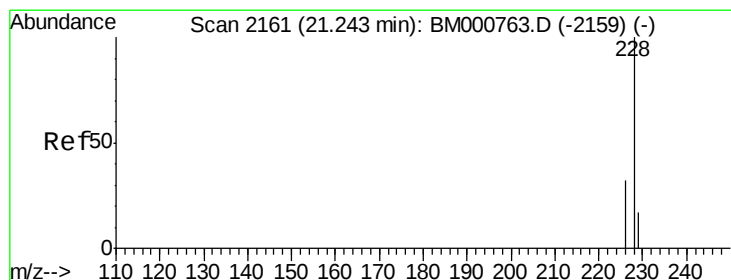
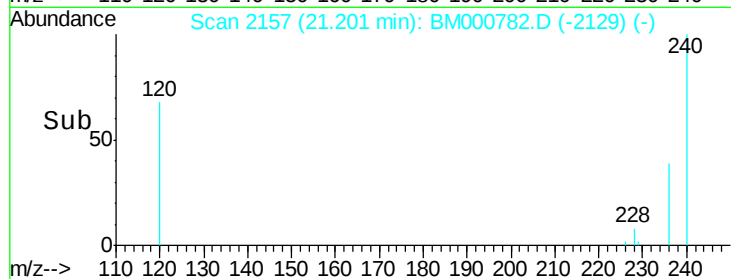
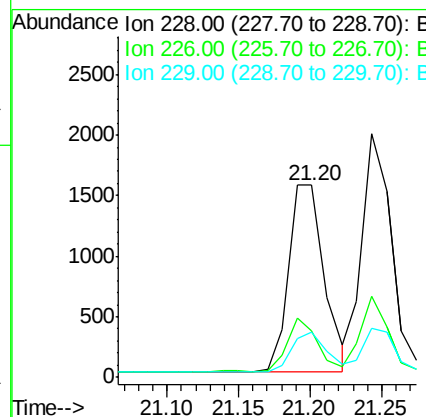
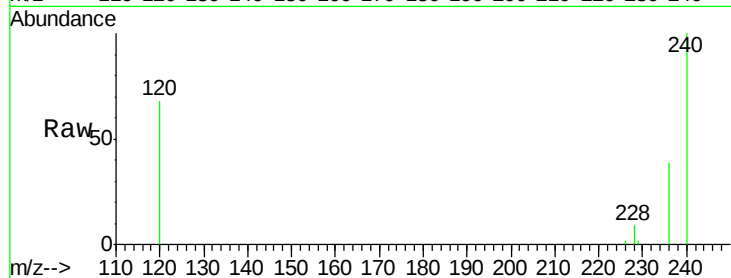




#22
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.20 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

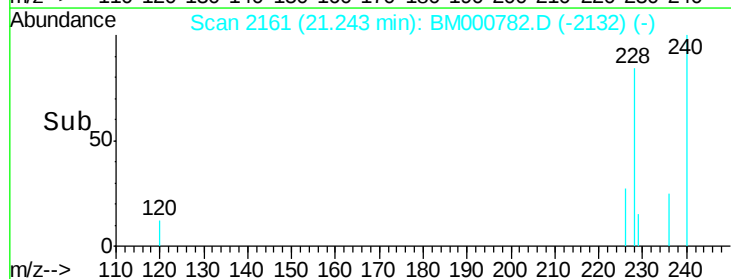
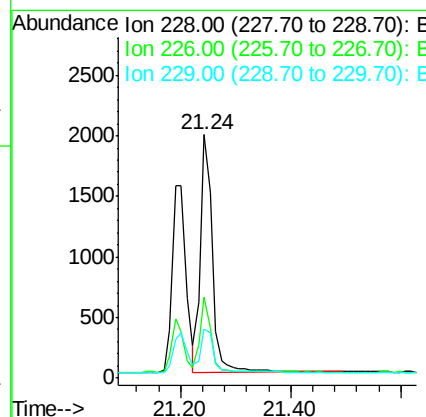
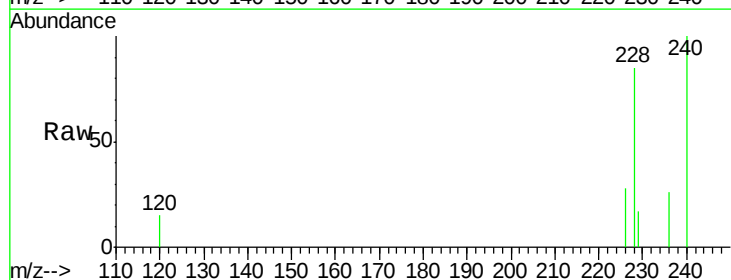
Instrument :
BNA_M
ClientSampleId :

Tot Ion:228 Resp: 2677
Ion Ratio Lower Upper
228 100
226 24.1 18.6 27.8
229 23.4 17.2 25.8



#23
Chrysene
Concen: 0.09 ng
RT: 21.24 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion:228 Resp: 2957
Ion Ratio Lower Upper
228 100
226 33.2 25.8 38.8
229 20.0 13.8 20.6

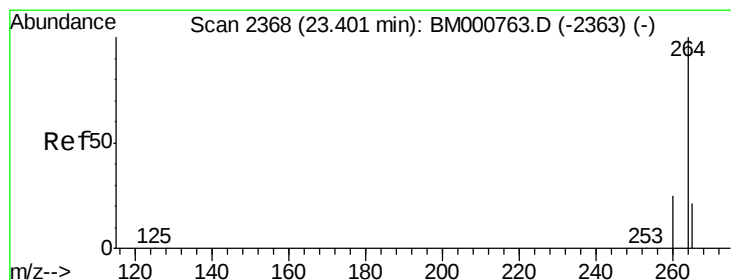
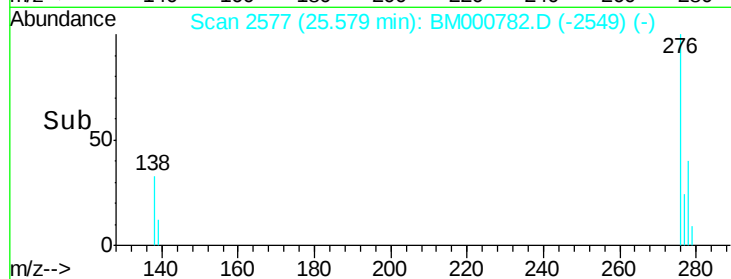
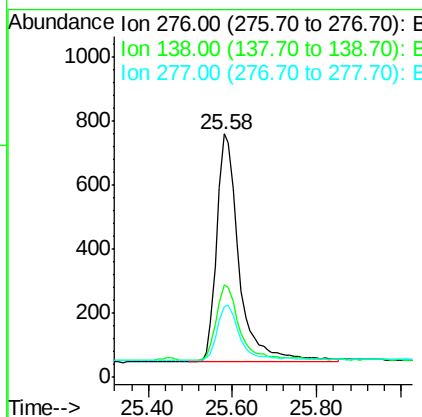
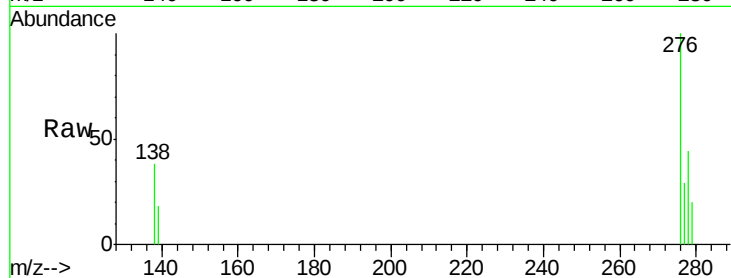




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng
 RT: 25.58 min Scan# 2577
 Delta R.T. -0.01 min
 Lab File: BM000782.D
 Acq: 01 Apr 2015 11:57

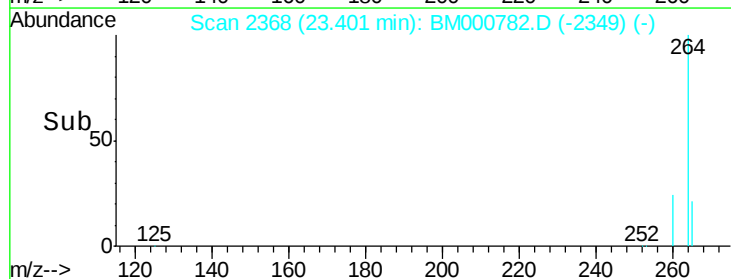
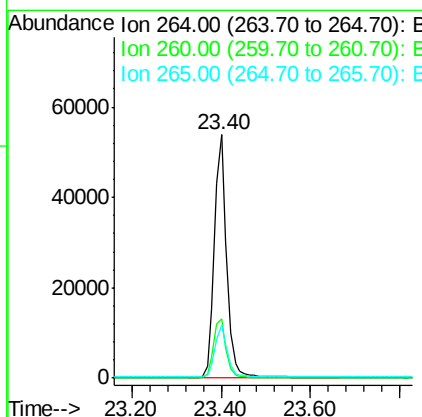
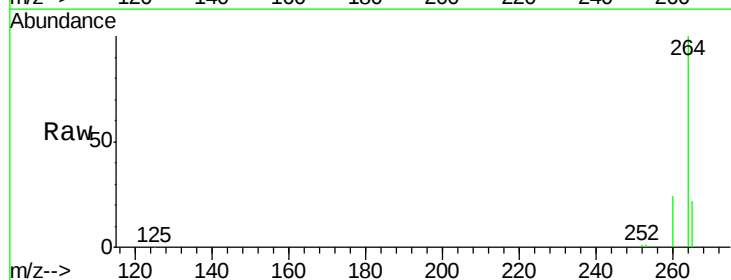
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.0	27.4	41.2
277	24.2	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: BM000782.D
 Acq: 01 Apr 2015 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	21.6	17.4	26.0

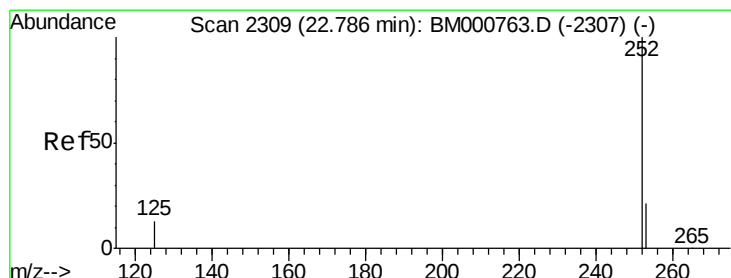
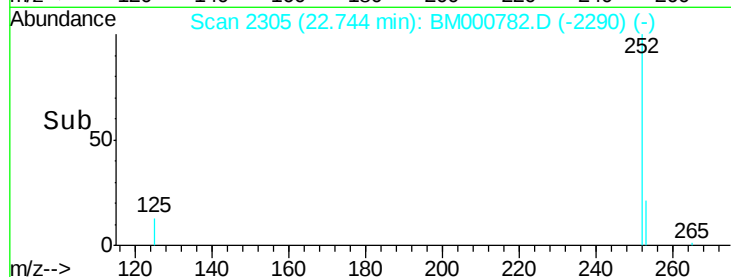
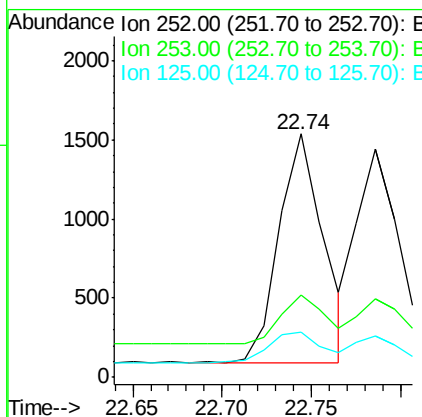
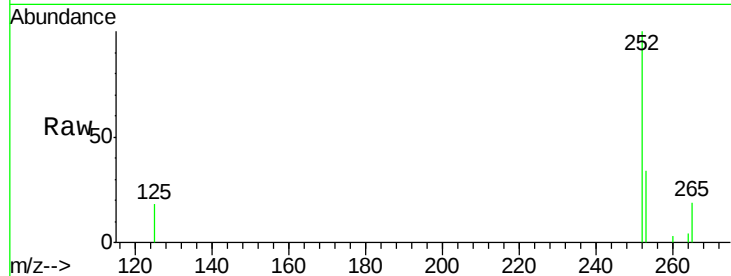




#26
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000782.D
Acq: 01 Apr 2015 11:57

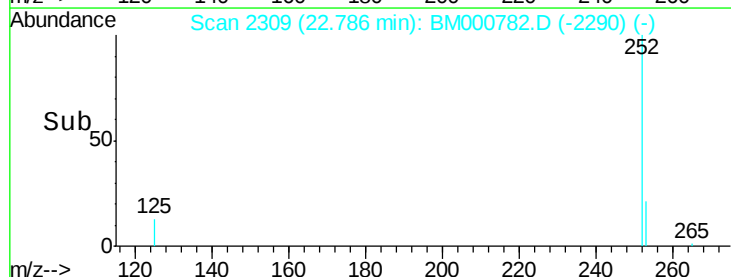
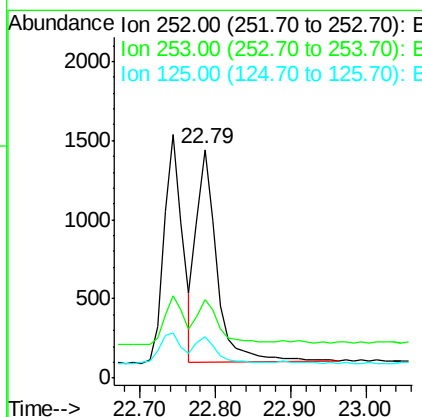
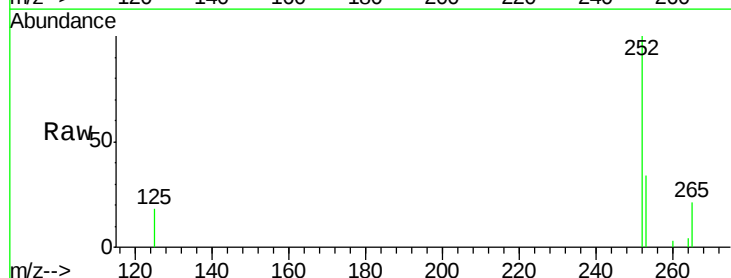
Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2494
Ion Ratio Lower Upper
252 100
253 33.9 18.5 27.7#
125 18.5 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: BM000782.D
Acq: 01 Apr 2015 11:57

Tgt Ion:252 Resp: 2511
Ion Ratio Lower Upper
252 100
253 34.2 17.9 26.9#
125 18.4 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: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :

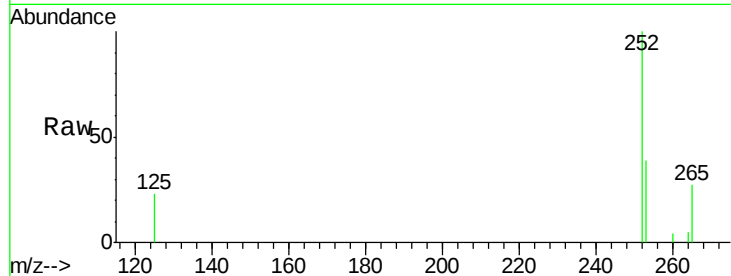
Tot Ion:252 Resp: 2193

Ion Ratio Lower Upper

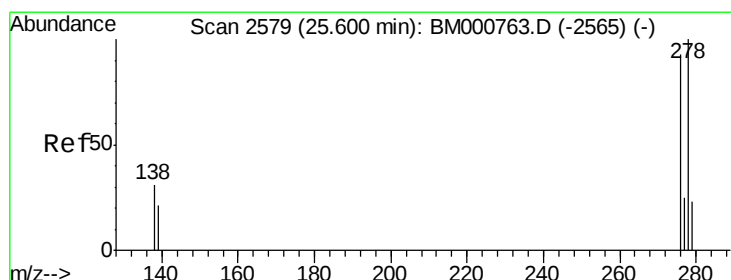
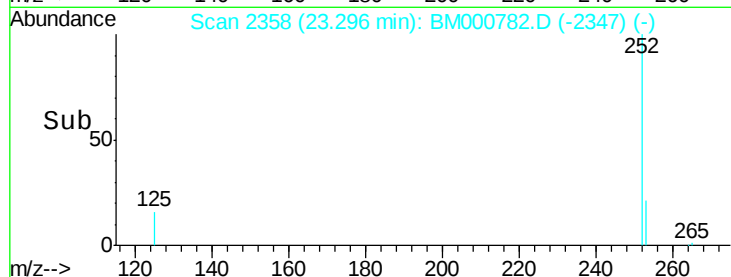
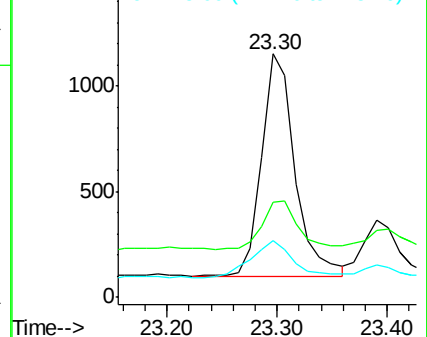
252 100

253 39.2 19.4 29.2#

125 23.2 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: 0.08 ng

RT: 25.60 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

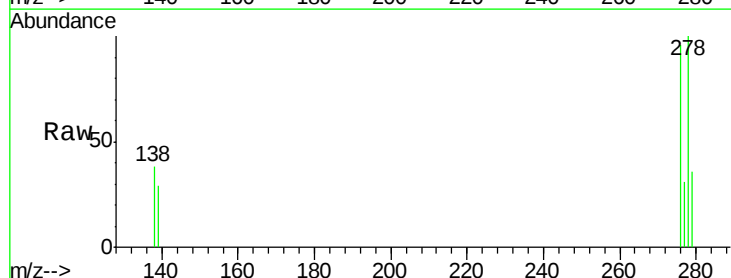
Tgt Ion:278 Resp: 2156

Ion Ratio Lower Upper

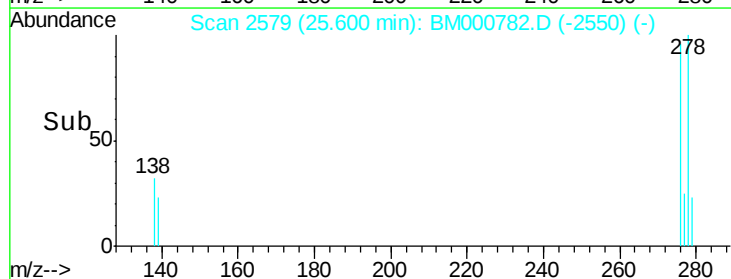
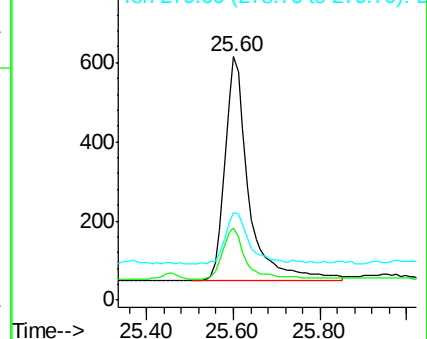
278 100

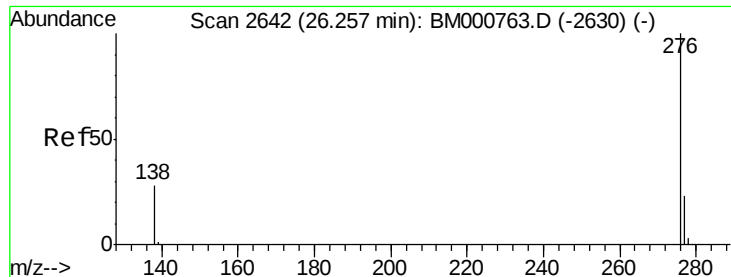
139 29.4 17.8 26.6#

279 35.8 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(a,h,i)perylene

Concen: 0.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

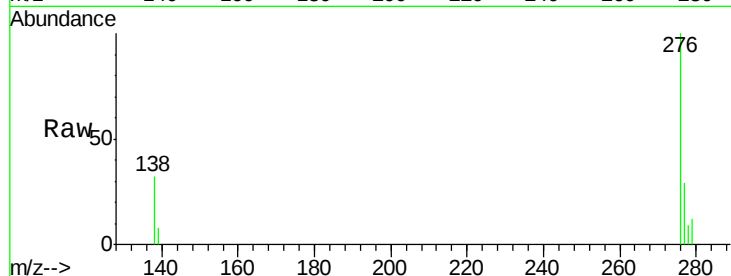
Lab File: BM000782.D

Acq: 01 Apr 2015 11:57

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 2480

Ion Ratio Lower Upper

276 100

277 29.3 19.1 28.7#

138 32.1 23.1 34.7

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

