

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000766.D
 Acq On : 31 Mar 2015 23:01
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 01 03:07:05 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 03:53:31 2015
 Response via : Initial Calibration

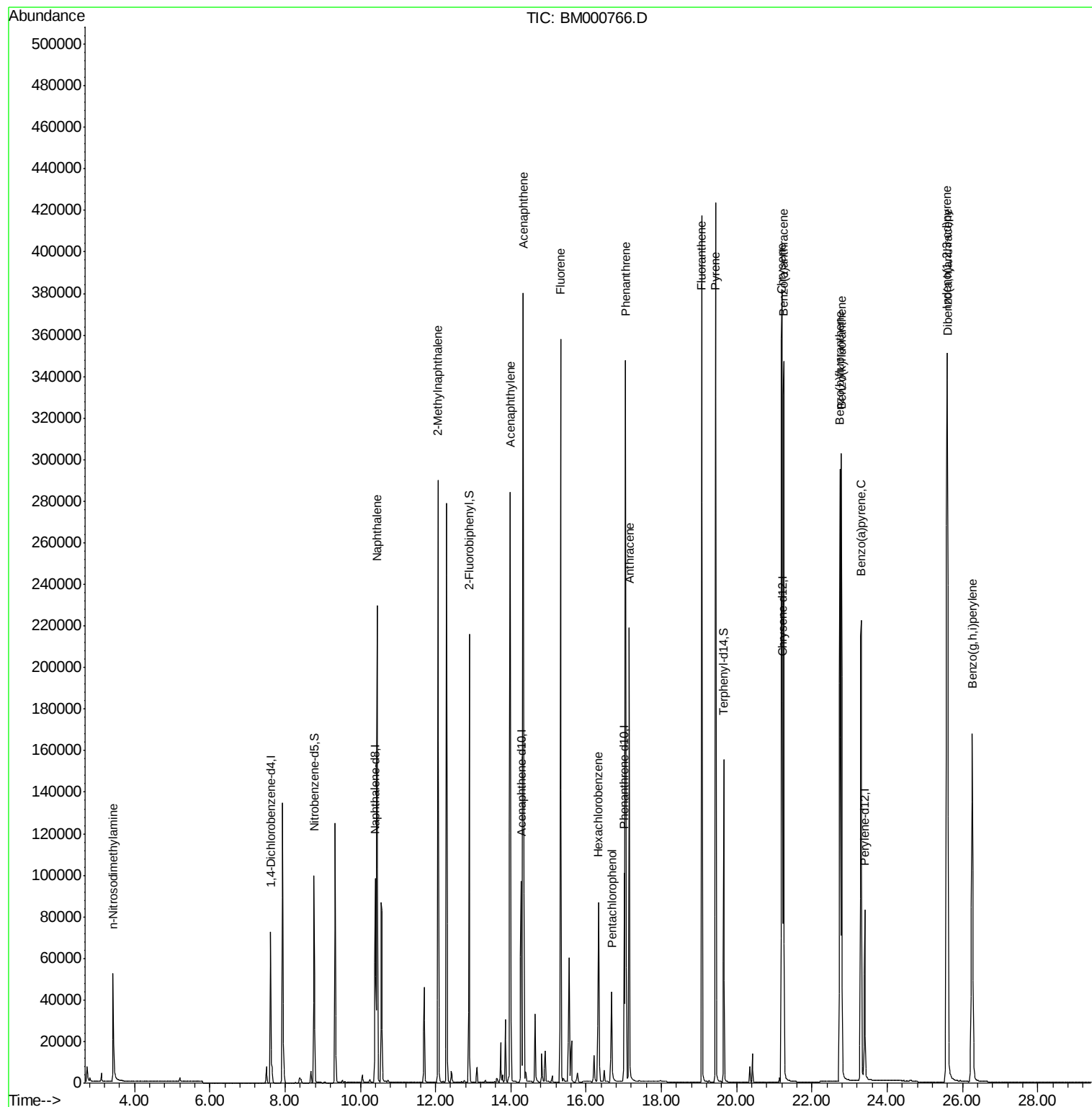
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	36514	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	127393	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	63873	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128870	5.00	ng	0.00
19) Chrysene-d12	21.21	240	113112	5.00	ng	0.00
25) Perylene-d12	23.40	264	102345	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	80438	12.45	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	203877	13.22	ng	0.00
21) Terphenyl-d14	19.66	244	149967	9.31	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	42244	8.14	ng	# 96
6) Naphthalene	10.45	128	306182	12.00	ng	99
7) 2-Methylnaphthalene	12.07	142	201812	12.52	ng	97
10) Acenaphthylene	13.98	152	341785	4.23	ng	100
11) Acenaphthene	14.33	154	204136	14.40	ng	96
12) Fluorene	15.32	166	239188	13.69	ng	100
14) Hexachlorobenzene	16.33	284	81590	18.83	ng	# 100
15) Pentachlorophenol	16.68	266	34285	0.78	ng	95
16) Phenanthrene	17.05	178	381148	13.59	ng	99
17) Anthracene	17.15	178	335835	13.52	ng	99
18) Fluoranthene	19.08	202	398129	14.84	ng	100
20) Pyrene	19.44	202	417134	14.42	ng	100
22) Benzo(a)anthracene	21.25	228	345835	15.45	ng	98
23) Chrysene	21.19	228	366474	15.50	ng	97
24) Indeno(1,2,3-cd)pyrene	25.59	276	388623	23.08	ng	100
26) Benzo(b)fluoranthene	22.74	252	355454	18.12	ng	98
27) Benzo(k)fluoranthene	22.79	252	338841	14.67	ng	99
28) Benzo(a)pyrene	23.31	252	319832	18.38	ng	98
29) Dibenzo(a,h)anthracene	25.60	278	305116	23.30	ng	99
30) Benzo(g,h,i)perylene	26.26	276	317541	19.02	ng	97

(#) = 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: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

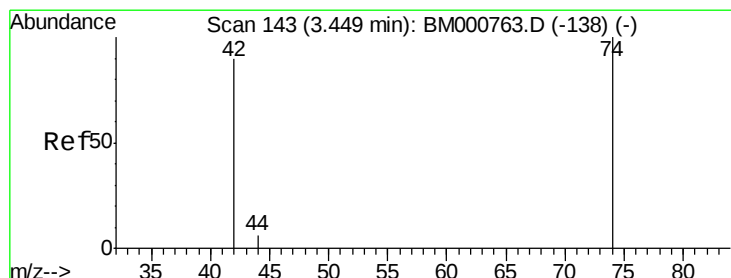
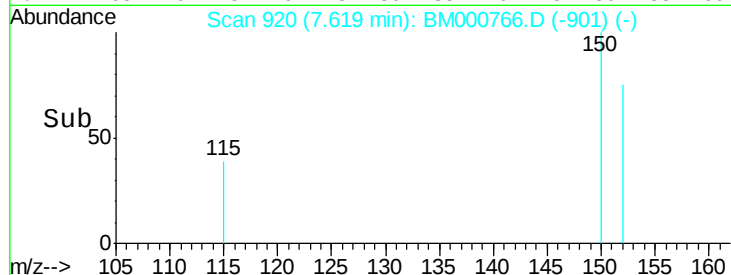
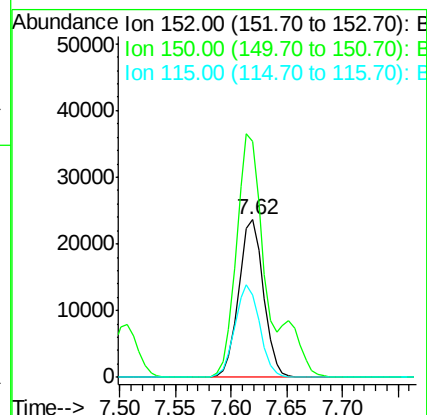
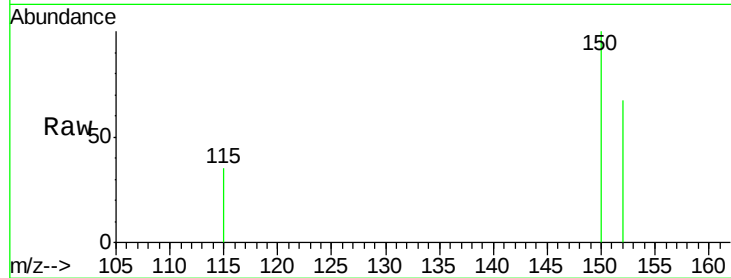
Tgt Ion:152 Resp: 36514

Ion Ratio Lower Upper

152 100

150 149.4 120.8 181.2

115 52.3 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 8.14 ng

RT: 3.43 min Scan# 139

Delta R.T. -0.02 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

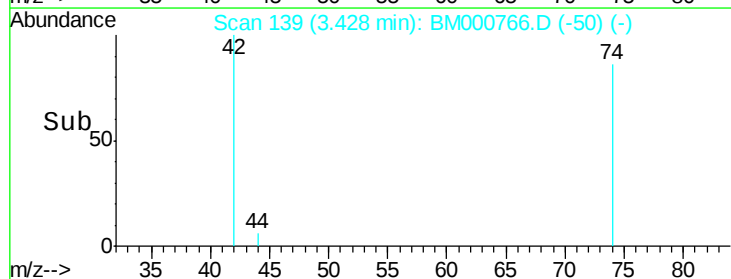
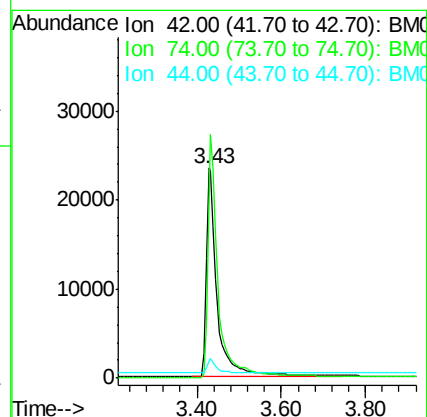
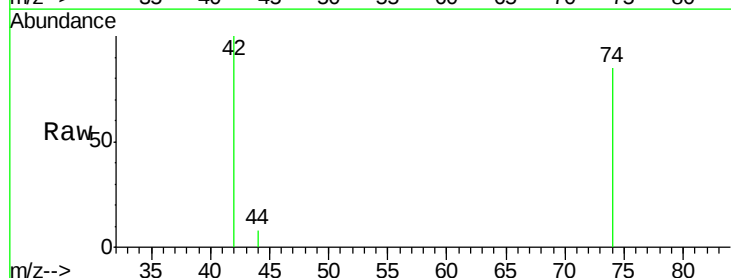
Tgt Ion: 42 Resp: 42244

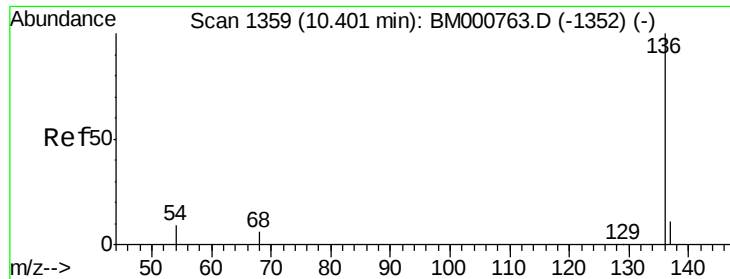
Ion Ratio Lower Upper

42 100

74 112.8 93.6 140.4

44 6.2 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: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

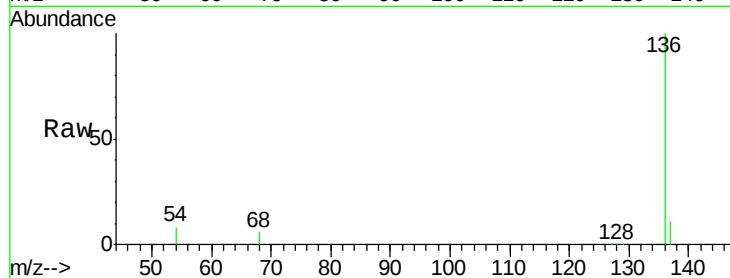
Tgt Ion:136 Resp: 127393

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

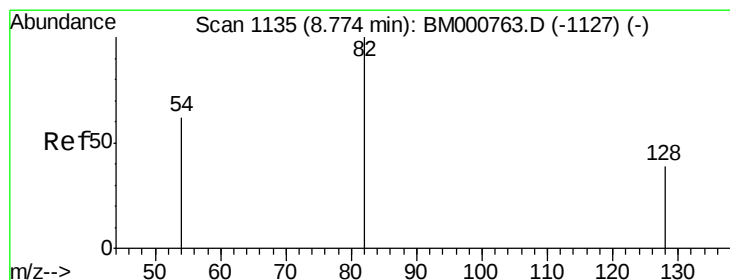
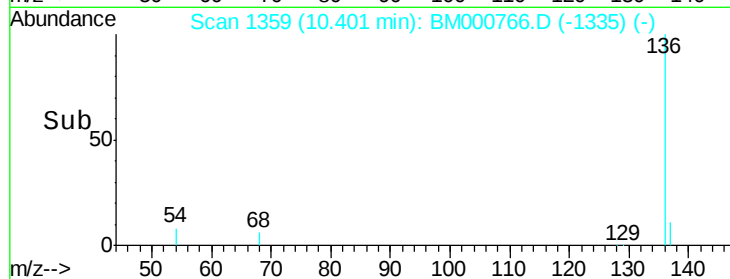
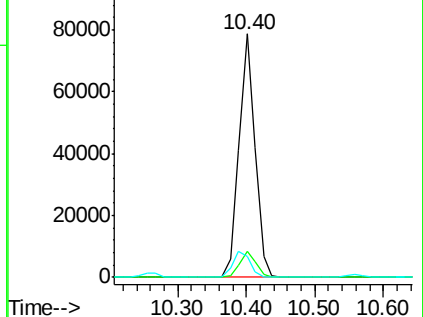
54 8.5 7.0 10.6



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: 12.45 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

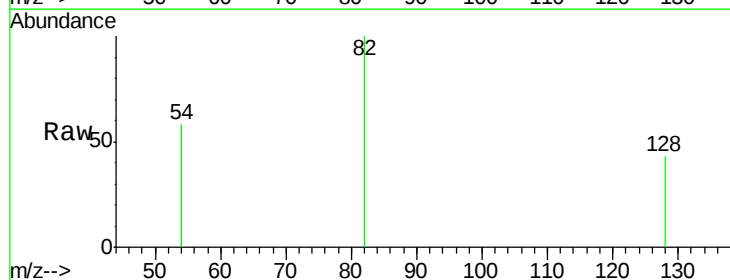
Tgt Ion: 82 Resp: 80438

Ion Ratio Lower Upper

82 100

128 42.9 32.2 48.2

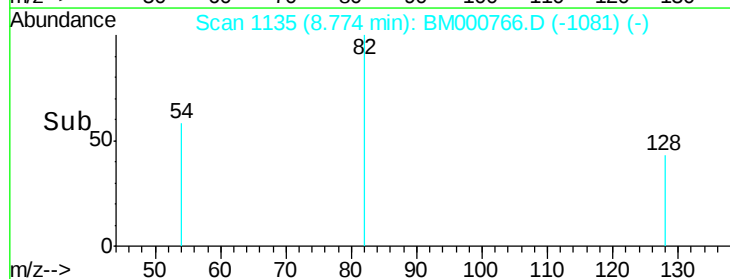
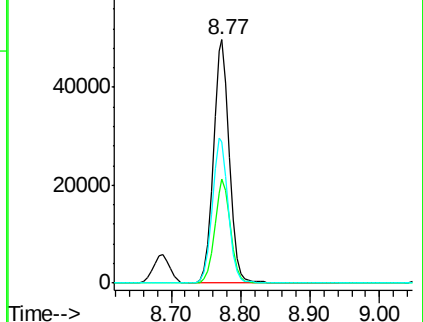
54 57.8 50.2 75.4



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: 12.00 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

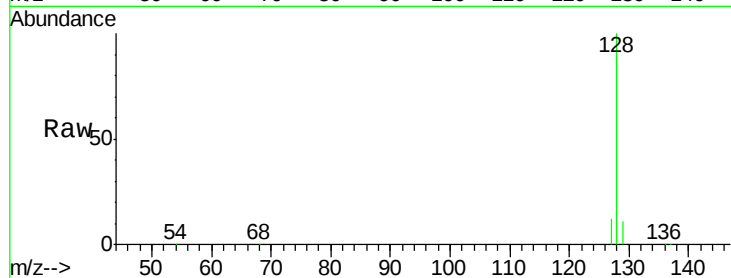
Tgt Ion:128 Resp: 306182

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

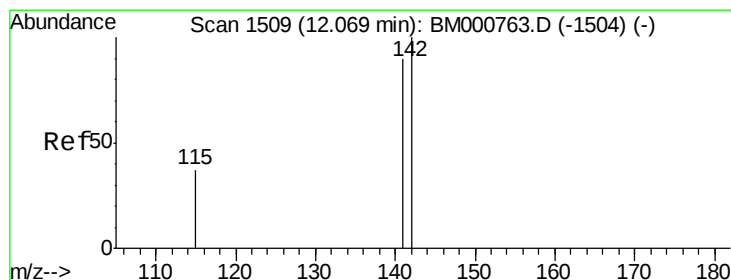
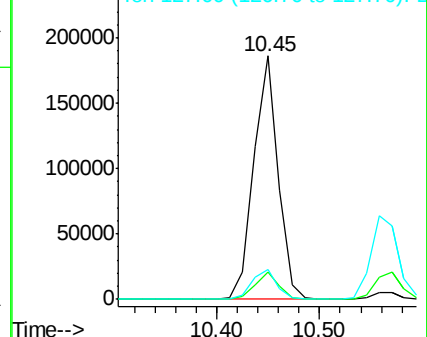
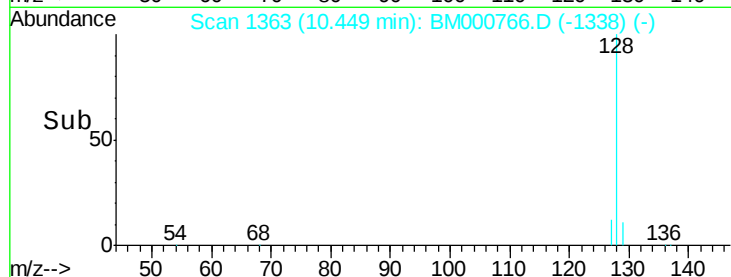
127 12.1 10.0 15.0



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: 12.52 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

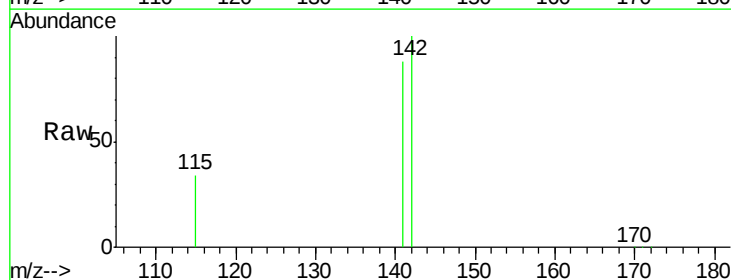
Tgt Ion:142 Resp: 201812

Ion Ratio Lower Upper

142 100

141 87.8 72.3 108.5

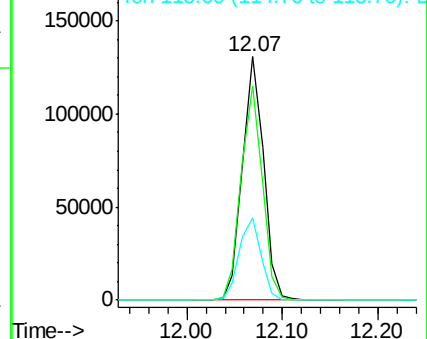
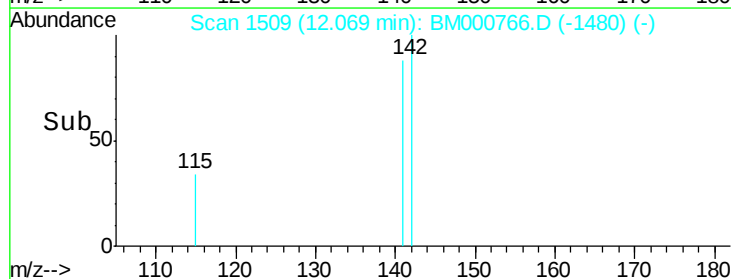
115 33.9 29.5 44.3

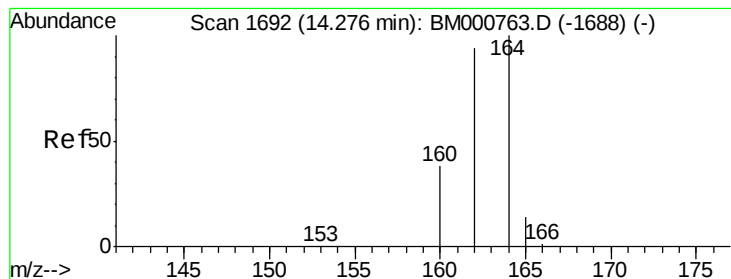


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

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ClientSampleId :

SSTDIC010

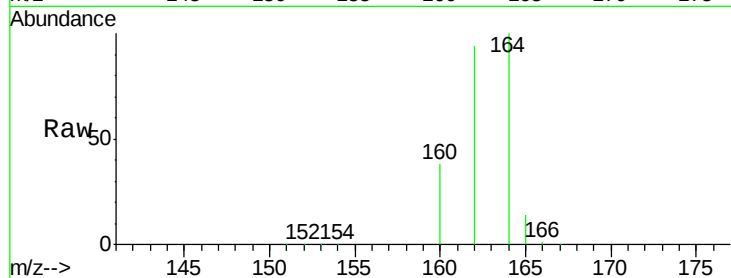
Tgt Ion:164 Resp: 63873

Ion Ratio Lower Upper

164 100

162 93.9 75.4 113.2

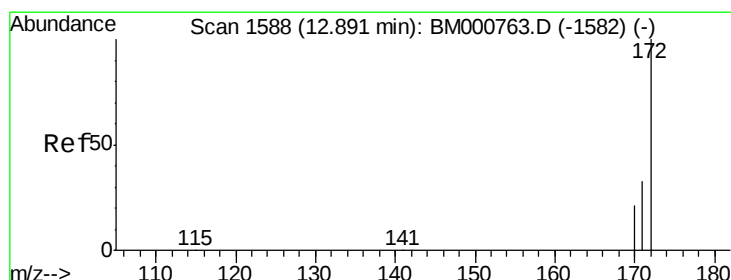
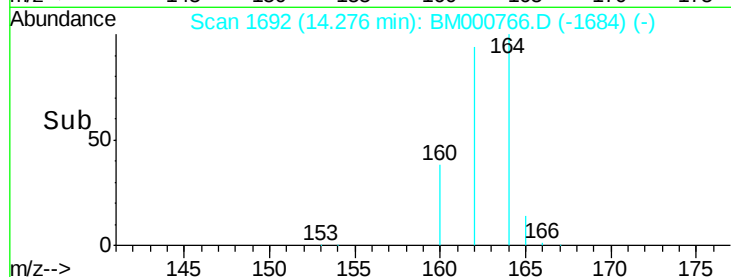
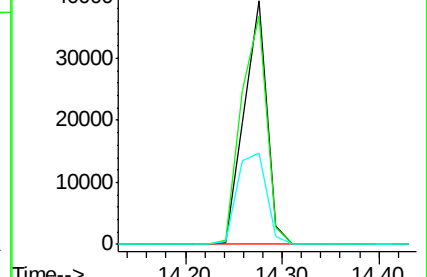
160 37.7 30.8 46.2



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: 13.22 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

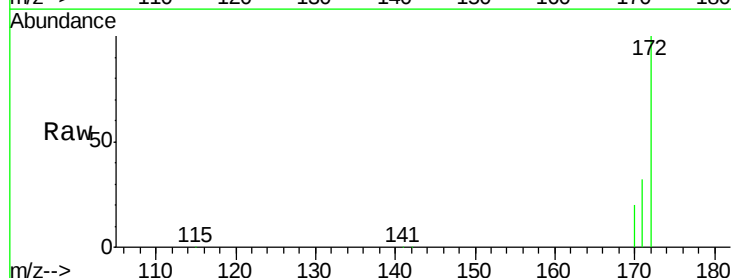
Tgt Ion:172 Resp: 203877

Ion Ratio Lower Upper

172 100

171 32.2 26.6 39.8

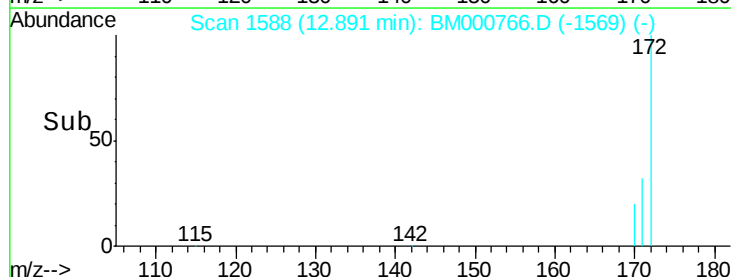
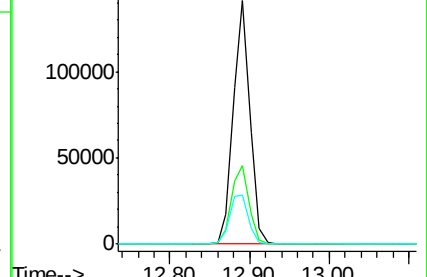
170 20.3 17.1 25.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 4.23 ng

RT: 13.98 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

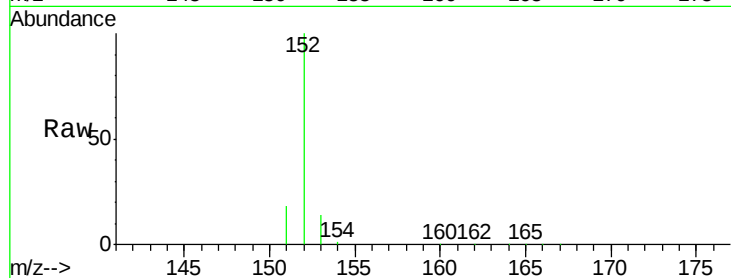
Tgt Ion:152 Resp: 341785

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

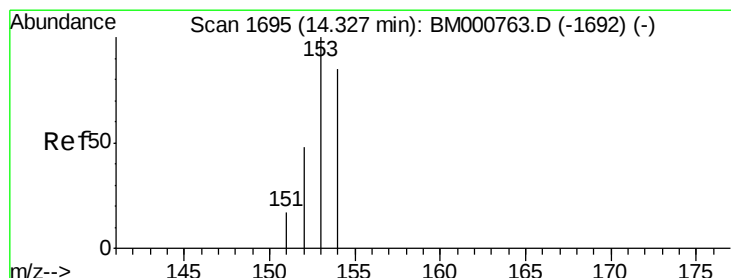
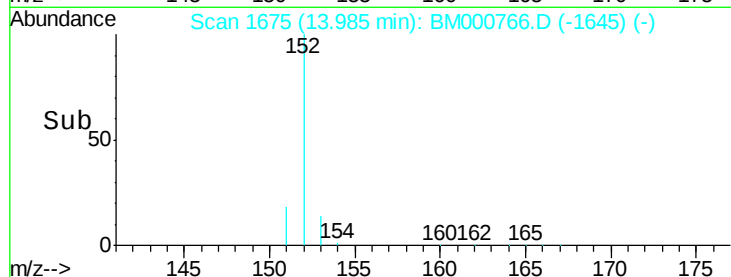
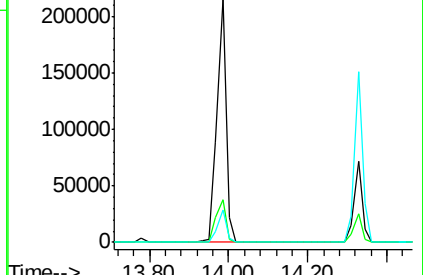
153 12.9 10.2 15.4



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: 14.40 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

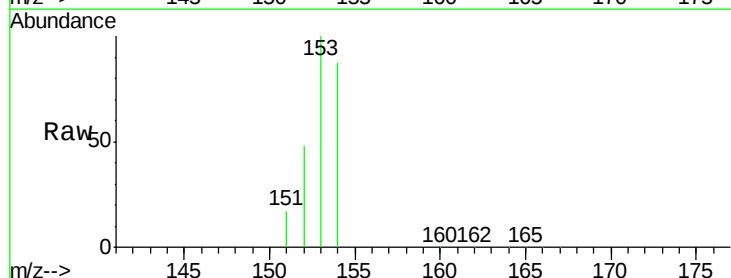
Tgt Ion:154 Resp: 204136

Ion Ratio Lower Upper

154 100

153 105.3 87.3 130.9

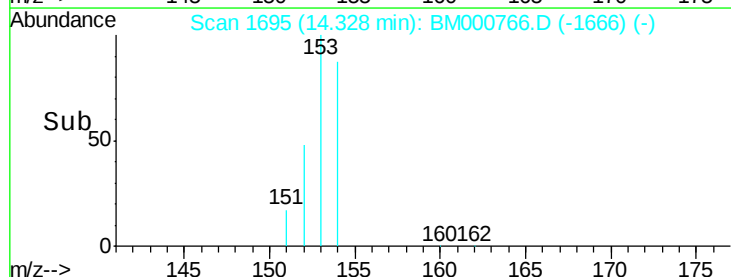
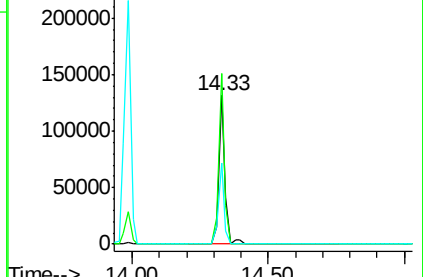
152 50.5 43.0 64.6

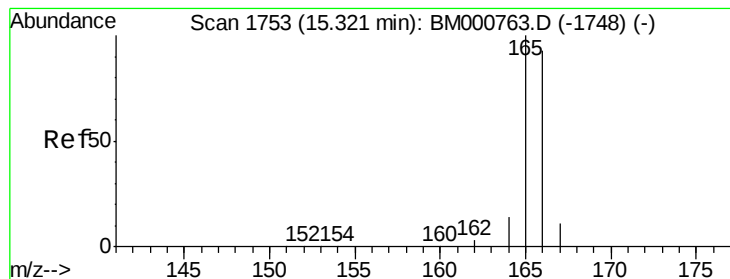


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 13.69 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

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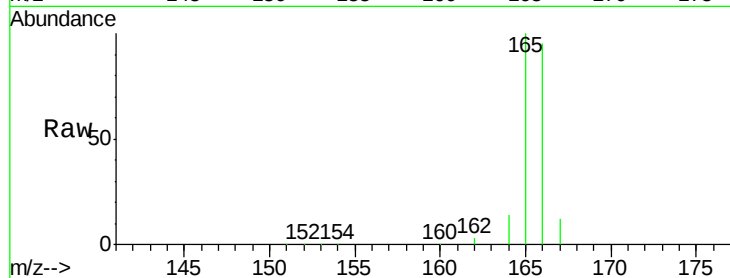
Tgt Ion:166 Resp: 239188

Ion Ratio Lower Upper

166 100

165 97.4 78.2 117.2

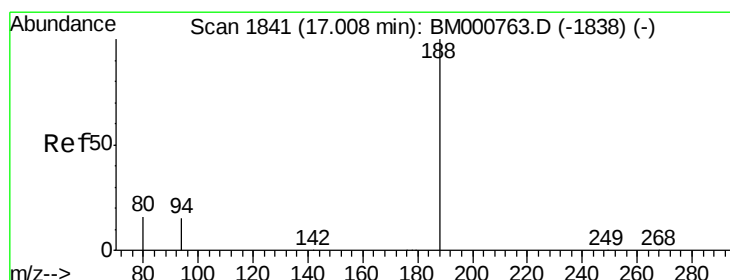
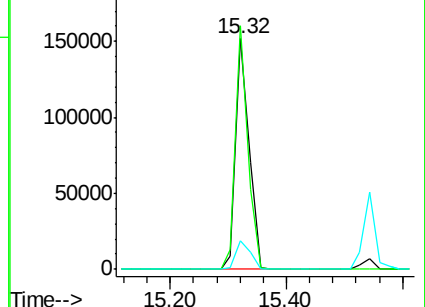
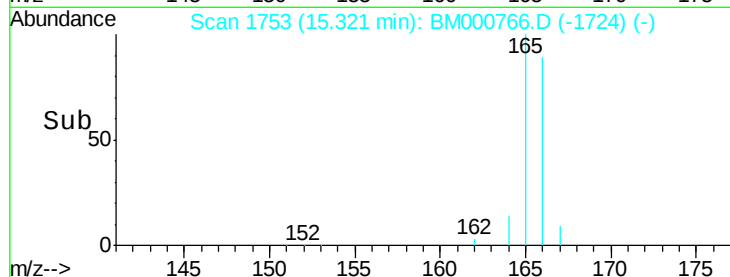
167 13.3 10.7 16.1



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: BM000766.D

Acq: 31 Mar 2015 23:01

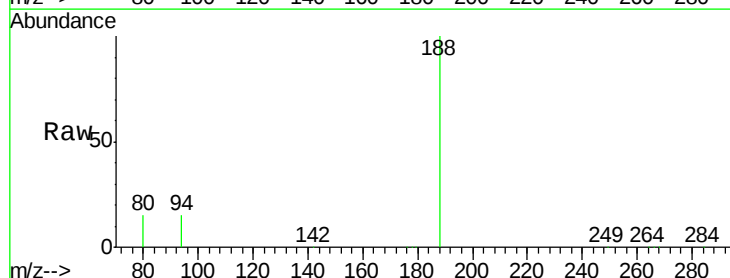
Tgt Ion:188 Resp: 128870

Ion Ratio Lower Upper

188 100

94 14.5 12.0 18.0

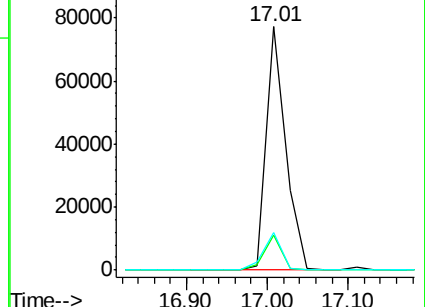
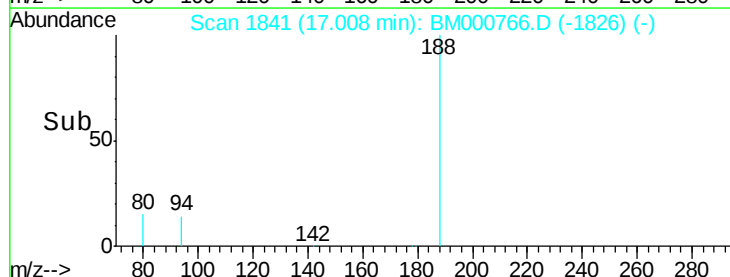
80 15.2 12.8 19.2



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

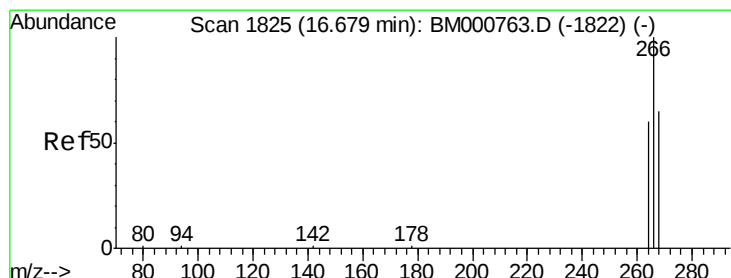
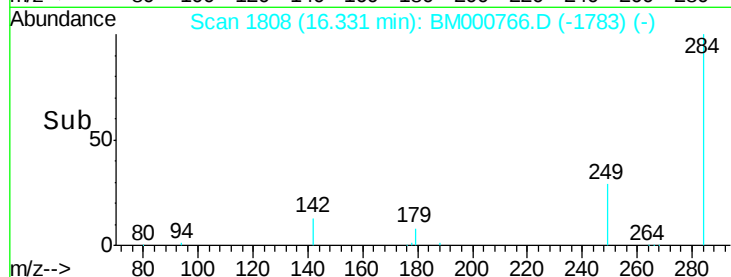
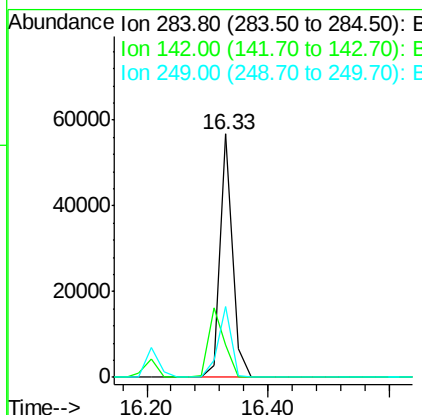
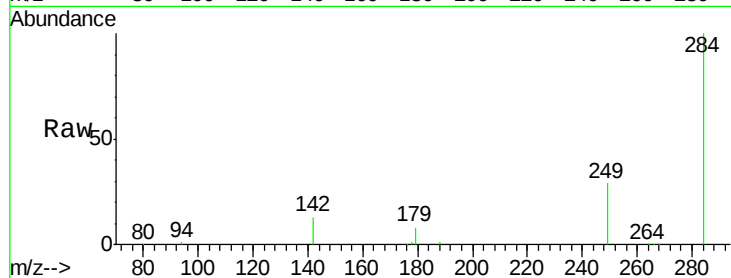




#14
Hexachlorobenzene
Concen: 18.83 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000766.D
Acq: 31 Mar 2015 23:01

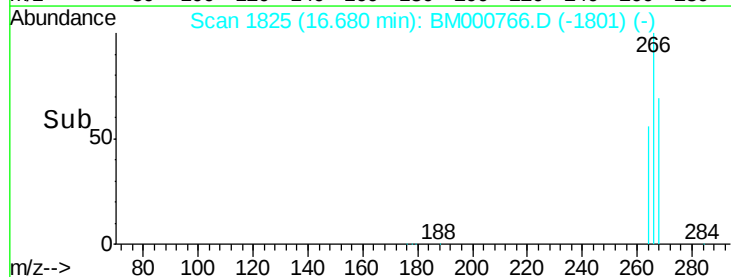
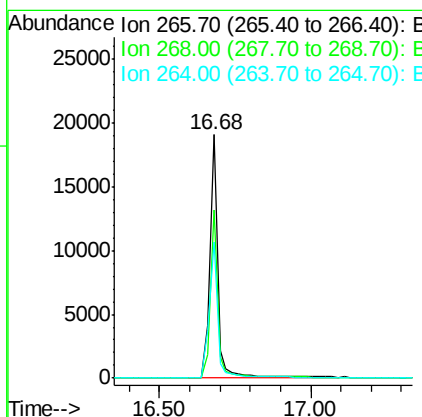
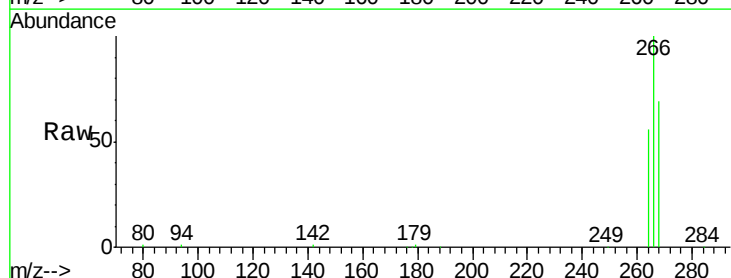
Instrument :
BNA_M
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SSTDIC010

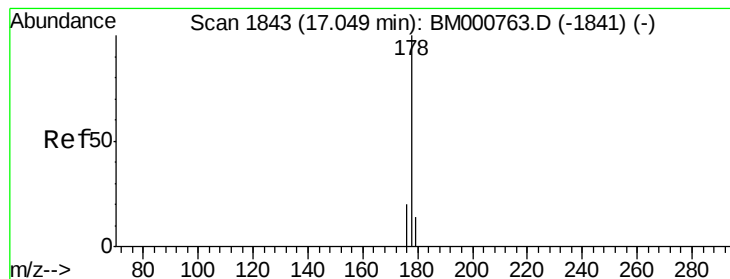
Tgt Ion: 284 Resp: 81590
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.6 25.2 37.8



#15
Pentachlorophenol
Concen: 0.78 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000766.D
Acq: 31 Mar 2015 23:01

Tgt Ion: 266 Resp: 34285
Ion Ratio Lower Upper
266 100
268 68.8 55.0 82.6
264 55.9 51.0 76.4

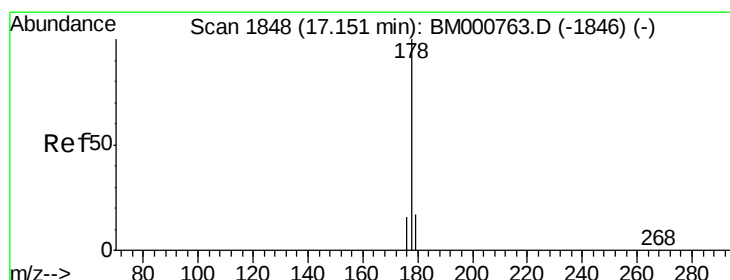
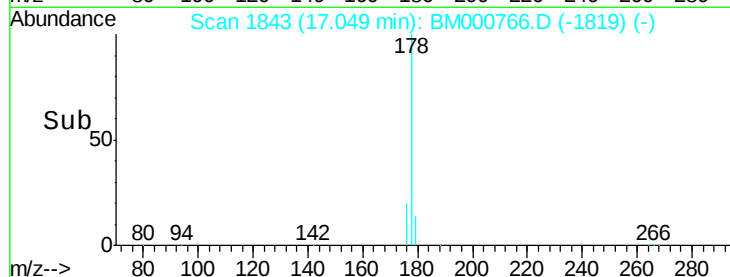
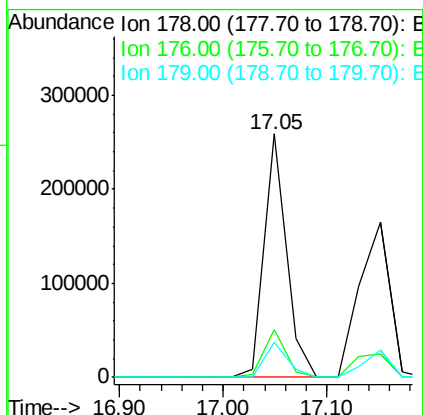
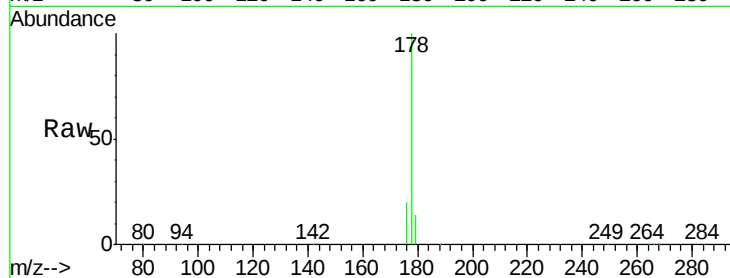




#16
Phenanthrene
Concen: 13.59 ng
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000766.D
Acq: 31 Mar 2015 23:01

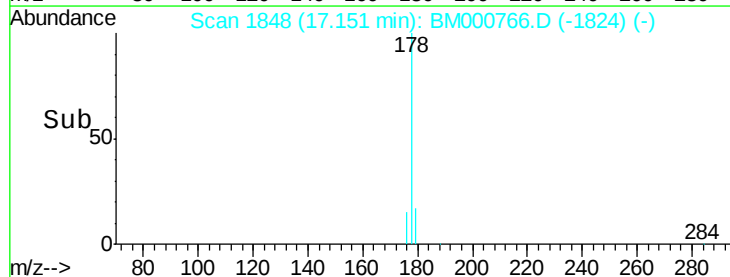
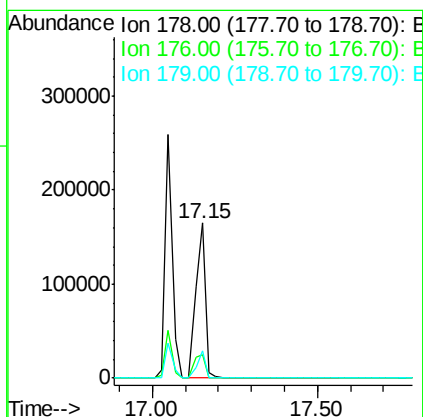
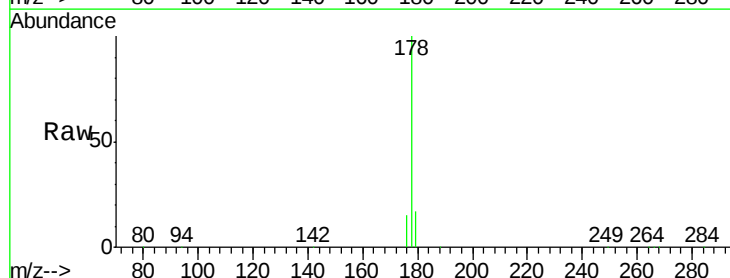
Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tgt Ion:178 Resp: 381148
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.8 12.2 18.2



#17
Anthracene
Concen: 13.52 ng
RT: 17.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BM000766.D
Acq: 31 Mar 2015 23:01

Tgt Ion:178 Resp: 335835
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.5 12.2 18.4

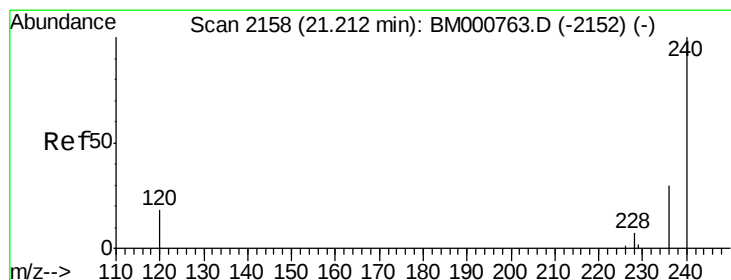
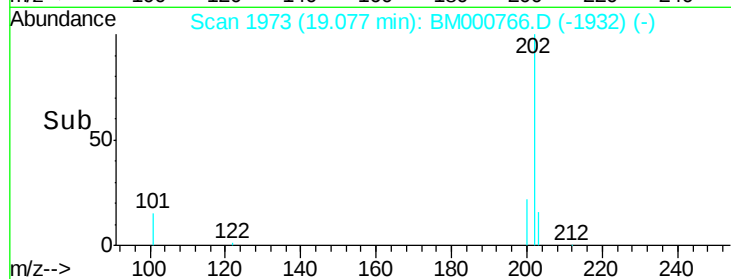
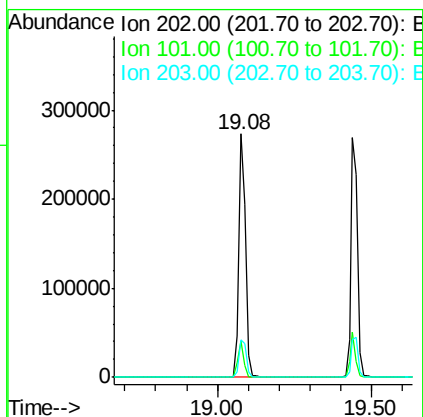
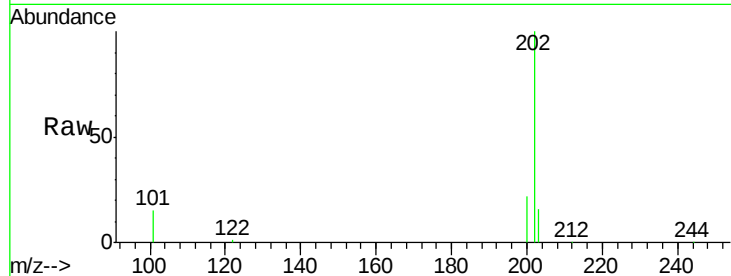




#18
 Fluoranthene
 Concen: 14.84 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000766.D
 Acq: 31 Mar 2015 23:01

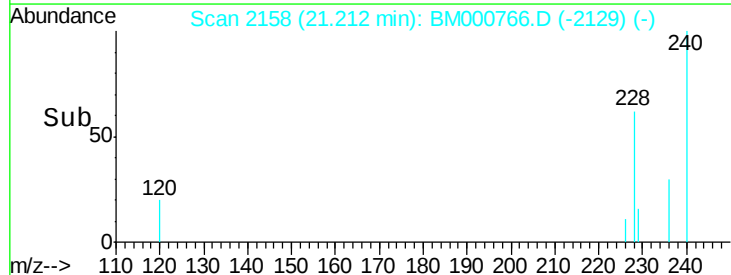
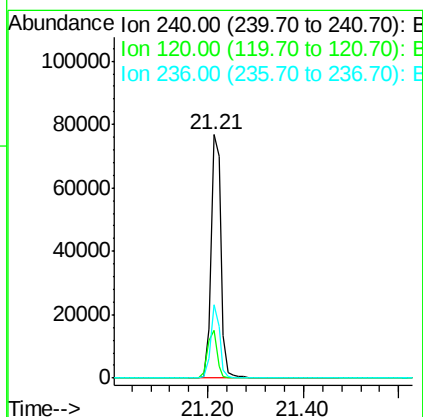
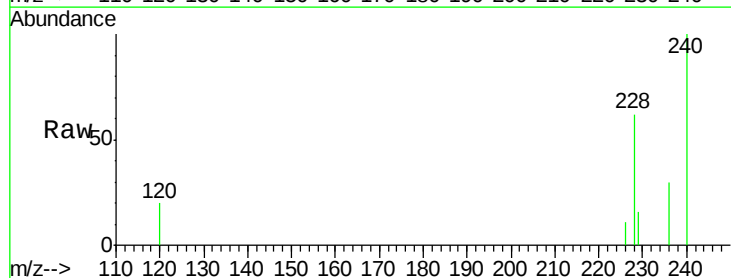
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

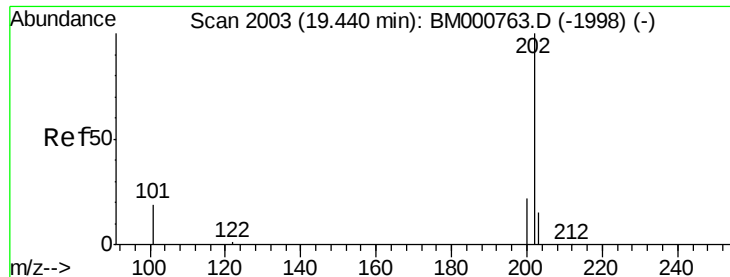
Tgt Ion: 202 Resp: 398129
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.5 15.7
 203 17.1 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000766.D
 Acq: 31 Mar 2015 23:01

Tgt Ion: 240 Resp: 113112
 Ion Ratio Lower Upper
 240 100
 120 19.7 14.9 22.3
 236 30.3 24.2 36.4

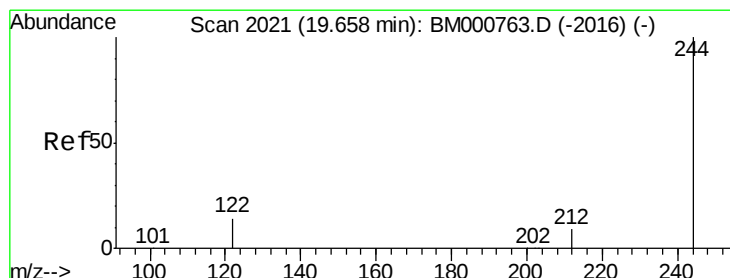
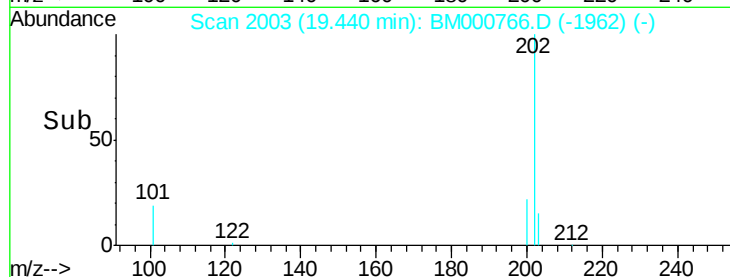
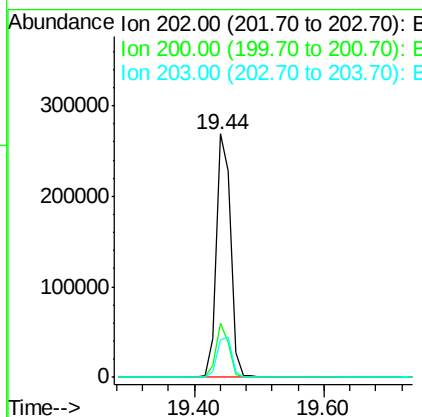
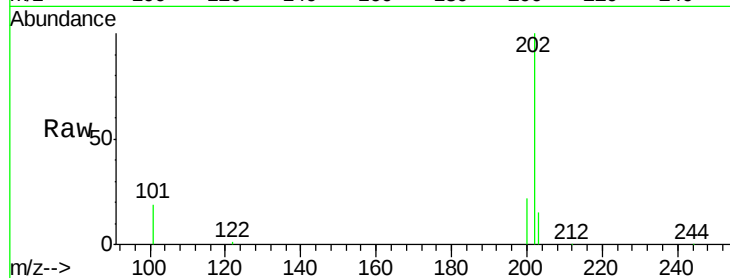




#20
 Pyrene
 Concen: 14.42 ng
 RT: 19.44 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BM000766.D
 Acq: 31 Mar 2015 23:01

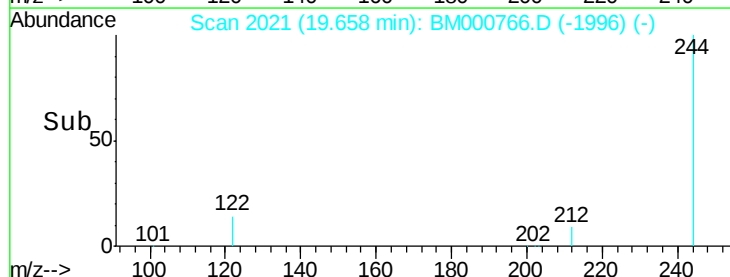
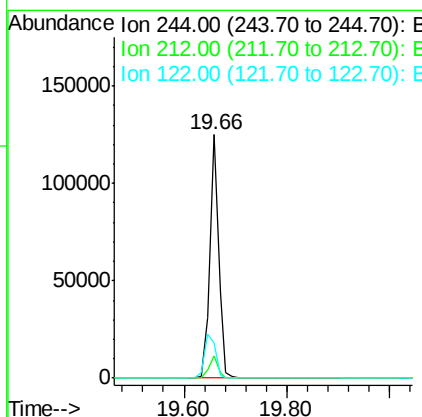
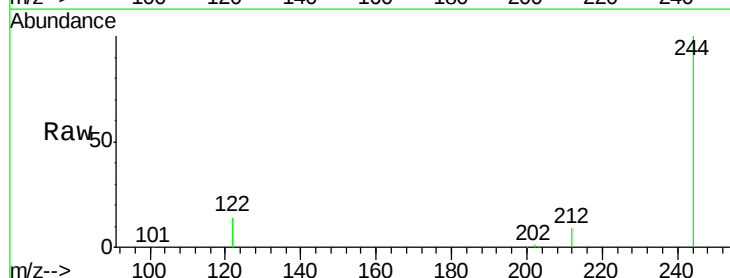
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

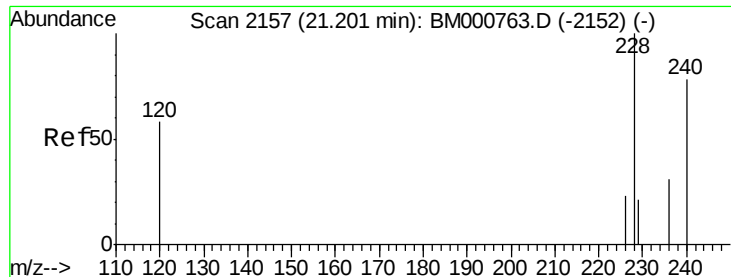
Tgt Ion: 202 Resp: 417134
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.4 13.9 20.9



#21
 Terphenyl-d14
 Concen: 9.31 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BM000766.D
 Acq: 31 Mar 2015 23:01

Tgt Ion: 244 Resp: 149967
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.8 11.6
 122 14.2 11.8 17.8





#22

Benzo(a)anthracene

Concen: 15.45 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.05 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

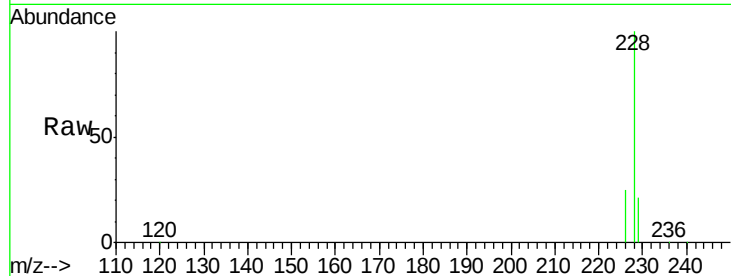
Tgt Ion:228 Resp: 345835

Ion Ratio Lower Upper

228 100

226 25.4 18.6 27.8

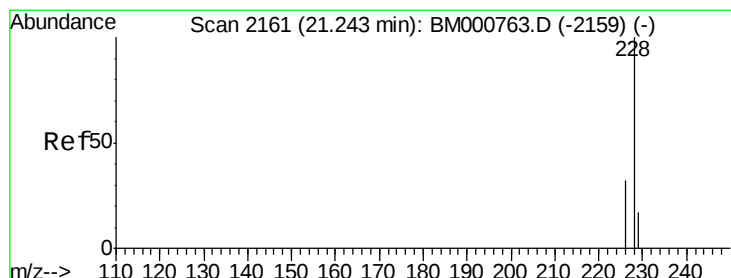
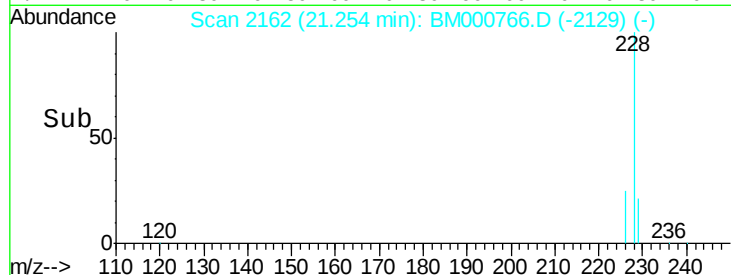
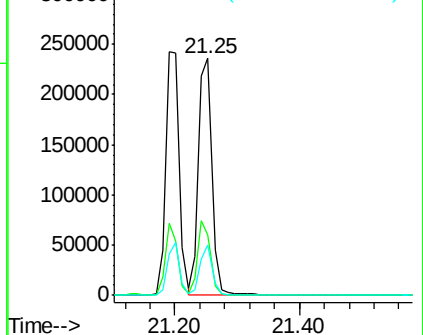
229 21.4 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Chrysene

Concen: 15.50 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.05 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

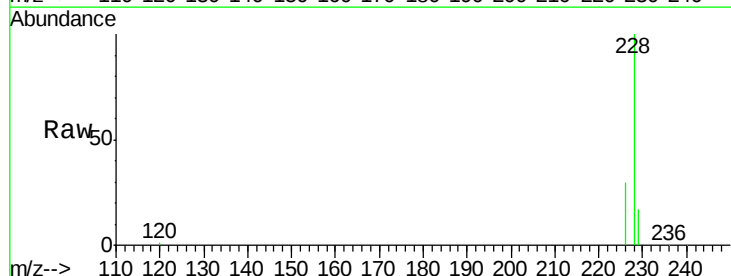
Tgt Ion:228 Resp: 366474

Ion Ratio Lower Upper

228 100

226 29.8 25.8 38.8

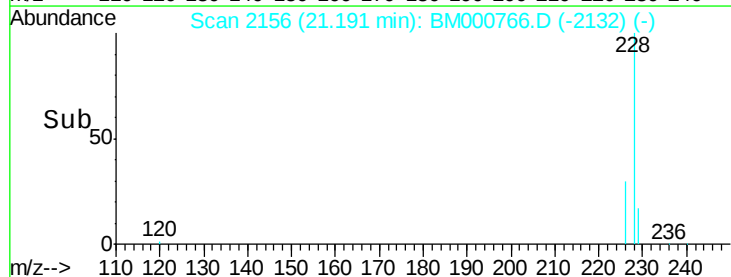
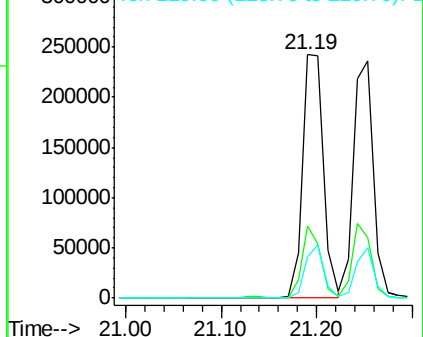
229 16.8 13.8 20.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 23.08 ng

RT: 25.59 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

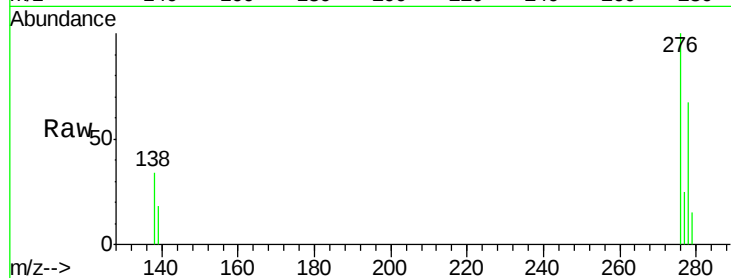
Tgt Ion:276 Resp: 388623

Ion Ratio Lower Upper

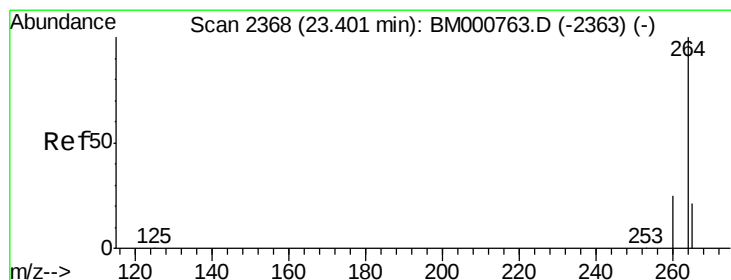
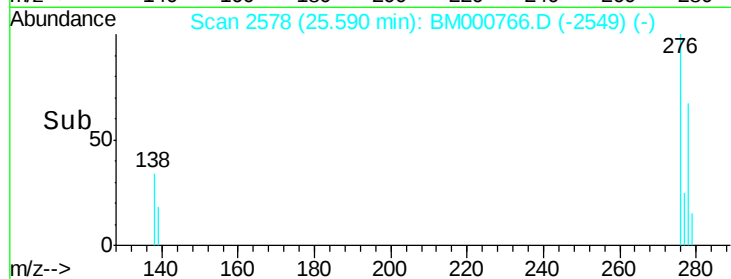
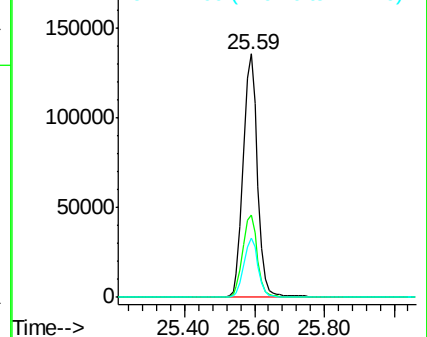
276 100

138 34.6 27.4 41.2

277 24.4 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: BM000766.D

Acq: 31 Mar 2015 23:01

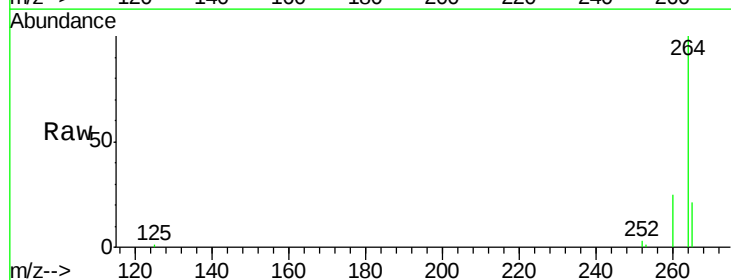
Tgt Ion:264 Resp: 102345

Ion Ratio Lower Upper

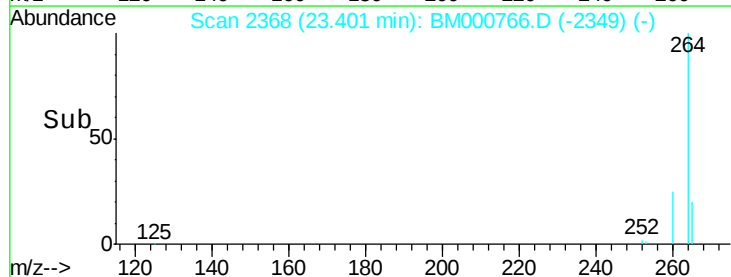
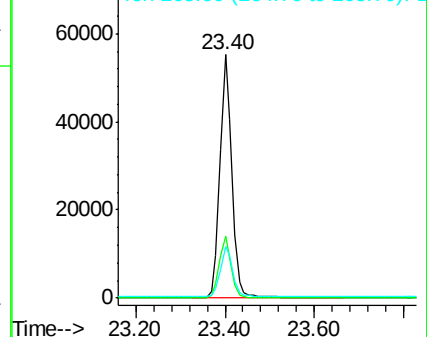
264 100

260 25.4 20.1 30.1

265 21.1 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: 18.12 ng

RT: 22.74 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

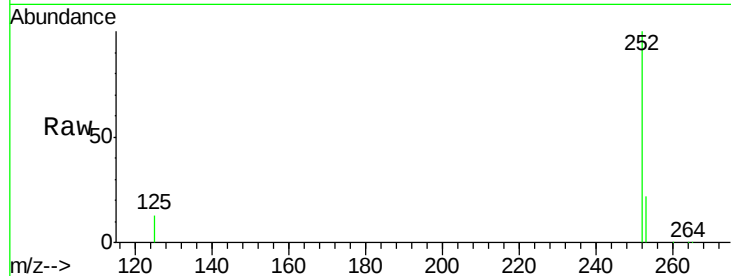
Tgt Ion:252 Resp: 355454

Ion Ratio Lower Upper

252 100

253 21.7 18.5 27.7

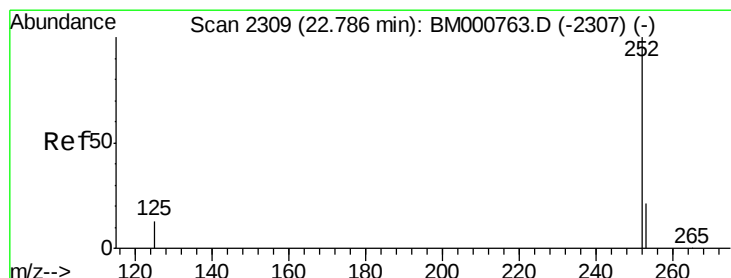
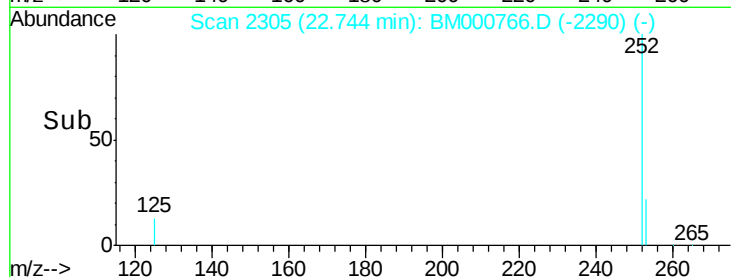
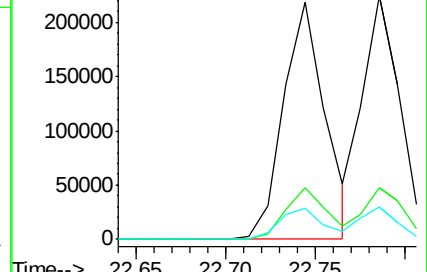
125 13.1 10.6 16.0



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



#27

Benzo(k)fluoranthene

Concen: 14.67 ng

RT: 22.79 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

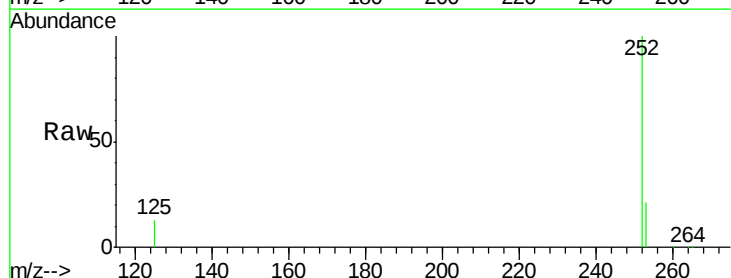
Tgt Ion:252 Resp: 338841

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

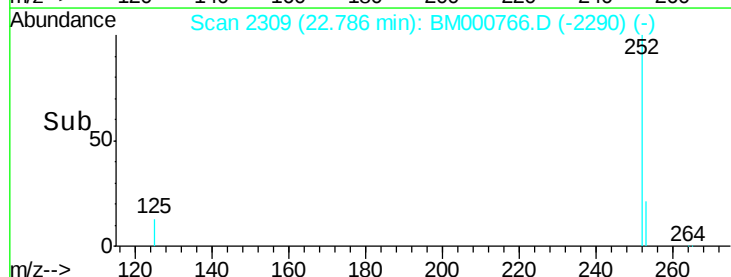
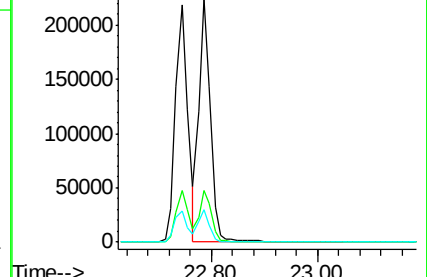
125 13.5 10.8 16.2



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





#28

Benzo(a)pyrene

Concen: 18.38 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

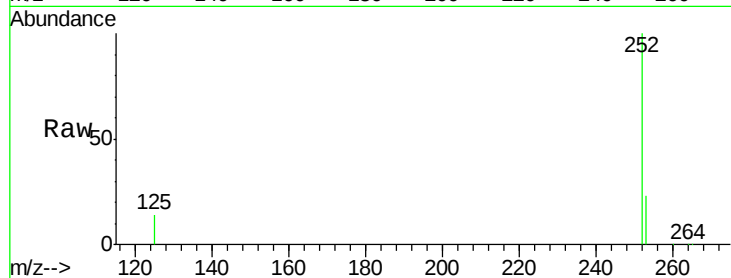
Tgt Ion:252 Resp: 319832

Ion Ratio Lower Upper

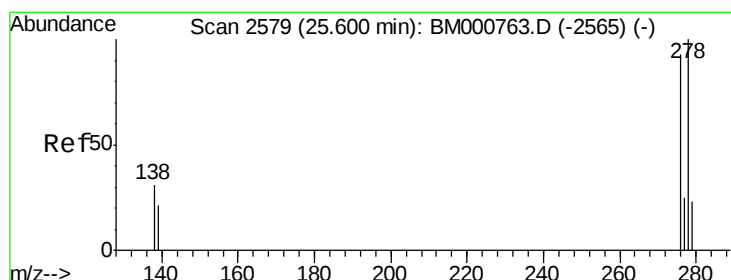
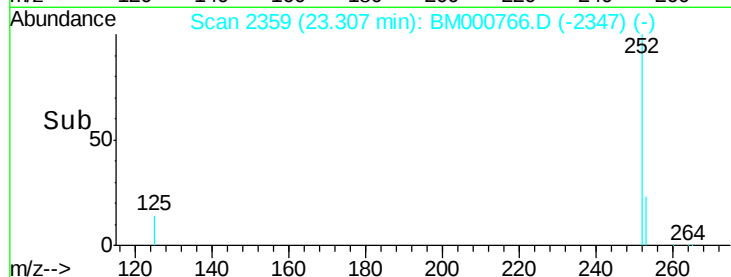
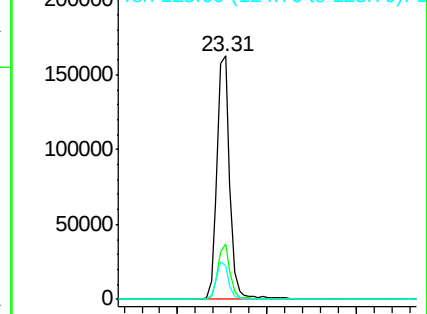
252 100

253 22.7 19.4 29.2

125 14.0 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: 23.30 ng

RT: 25.60 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BM000766.D

Acq: 31 Mar 2015 23:01

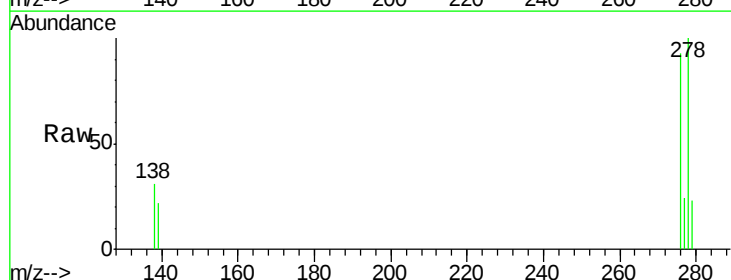
Tgt Ion:278 Resp: 305116

Ion Ratio Lower Upper

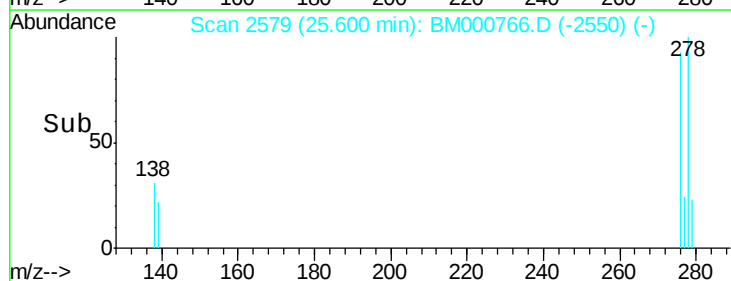
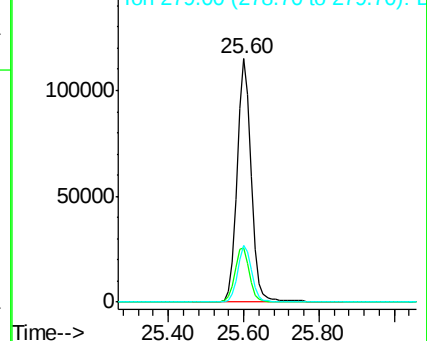
278 100

139 22.3 17.8 26.6

279 23.1 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: 19.02 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000766.D

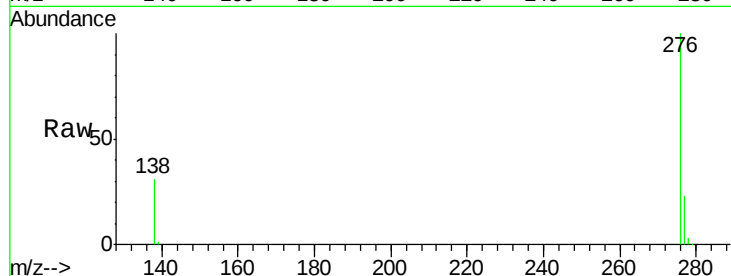
Acq: 31 Mar 2015 23:01

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion: 276 Resp: 317541

Ion Ratio Lower Upper

276 100

277 22.9 19.1 28.7

138 30.7 23.1 34.7

