

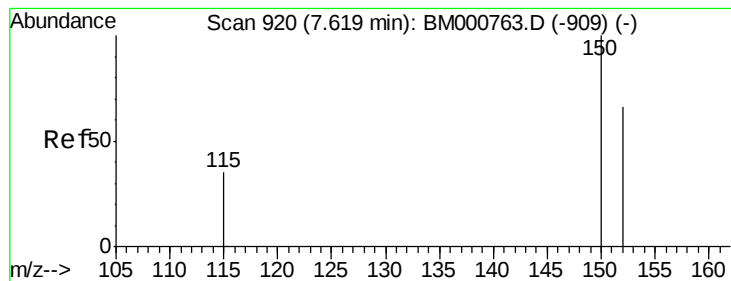
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000764.D
 Acq On : 31 Mar 2015 21:50
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Quant Time: Apr 01 03:06:27 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	36469	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	126260	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	62019	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	128075	5.00	ng	0.00
19) Chrysene-d12	21.21	240	109129	5.00	ng	0.00
25) Perylene-d12	23.40	264	97244	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	13416	2.10	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	40370	2.70	ng	0.00
21) Terphenyl-d14	19.66	244	27711	1.78	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.44	42	7490	1.45	ng	# 99
6) Naphthalene	10.45	128	61167	2.42	ng	100
7) 2-Methylnaphthalene	12.07	142	39217	2.46	ng	97
10) Acenaphthylene	13.98	152	61004	0.78	ng	100
11) Acenaphthene	14.33	154	38130	2.77	ng	99
12) Fluorene	15.32	166	45269	2.67	ng	99
14) Hexachlorobenzene	16.33	284	15559	3.61	ng	# 100
15) Pentachlorophenol	16.68	266	3543	0.08	ng	97
16) Phenanthrene	17.05	178	71105	2.55	ng	100
17) Anthracene	17.15	178	61302	2.48	ng	99
18) Fluoranthene	19.08	202	70937	2.66	ng	100
20) Pyrene	19.44	202	74880	2.68	ng	100
22) Benzo(a)anthracene	21.19	228	64618	2.99	ng	# 88
23) Chrysene	21.24	228	67492	2.96	ng	99
24) Indeno(1,2,3-cd)pyrene	25.58	276	70417	4.33	ng	100
26) Benzo(b)fluoranthene	22.74	252	66870	3.59	ng	99
27) Benzo(k)fluoranthene	22.79	252	60101	2.74	ng	99
28) Benzo(a)pyrene	23.30	252	55576	3.36	ng	95
29) Dibenzo(a,h)anthracene	25.60	278	55498	4.46	ng	99
30) Benzo(g,h,i)perylene	26.26	276	58940	3.72	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC002

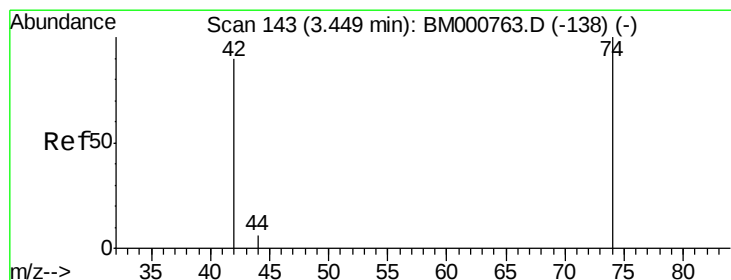
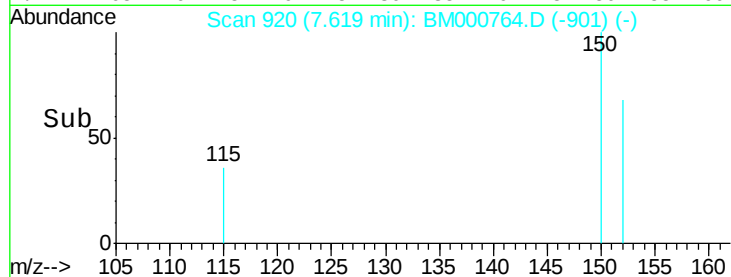
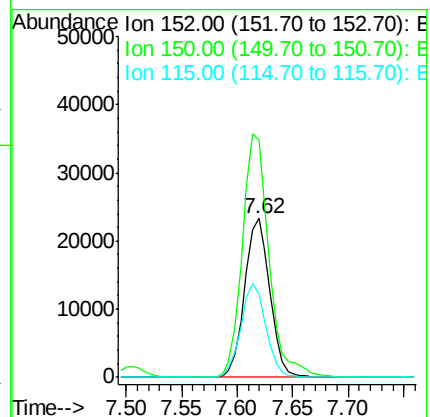
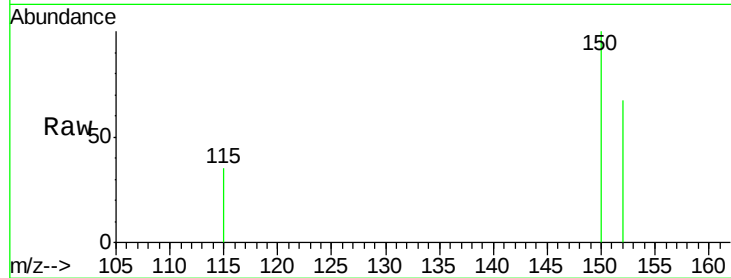
Tgt Ion:152 Resp: 36469

Ion Ratio Lower Upper

152 100

150 149.7 120.8 181.2

115 52.9 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 1.45 ng

RT: 3.44 min Scan# 141

Delta R.T. -0.01 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

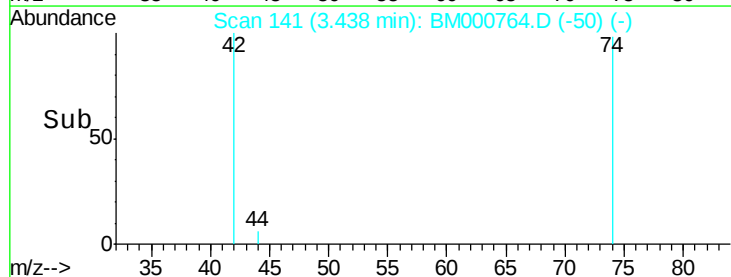
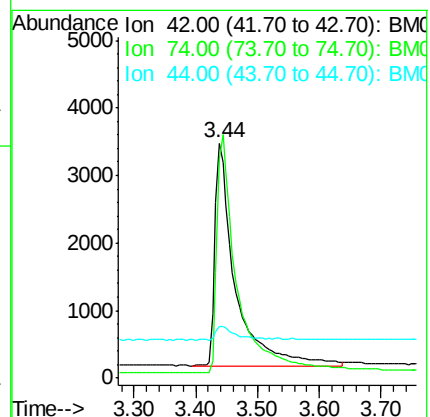
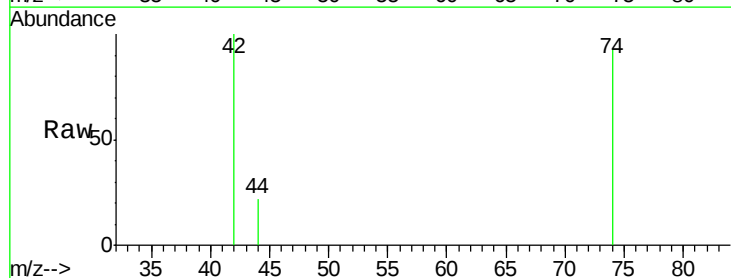
Tgt Ion: 42 Resp: 7490

Ion Ratio Lower Upper

42 100

74 116.3 93.6 140.4

44 6.0 6.3 9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

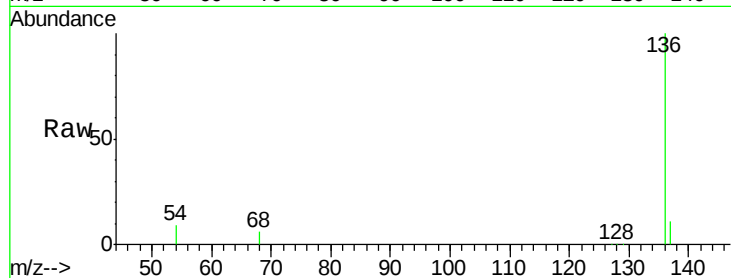
Tgt Ion: 136 Resp: 126260

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

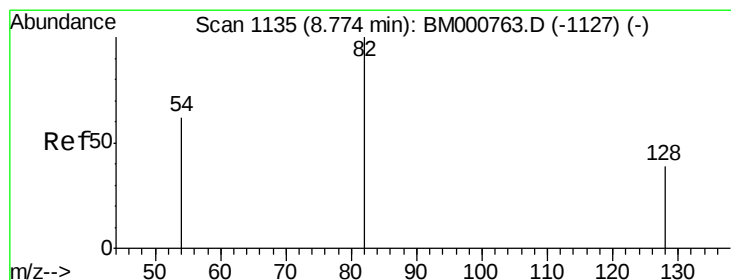
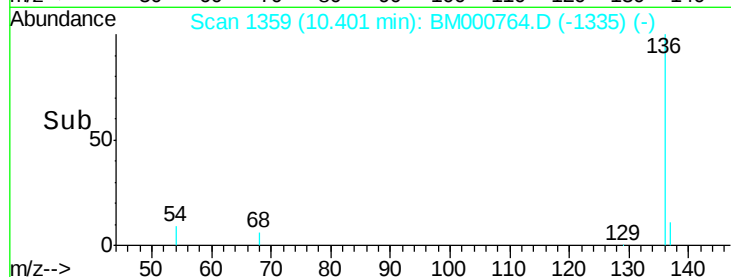
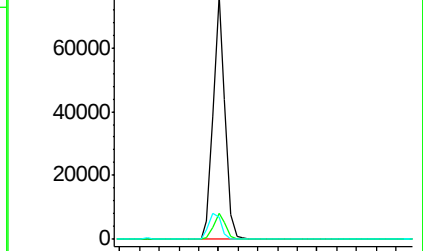
54 8.9 7.0 10.6



Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 2.10 ng

RT: 8.77 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

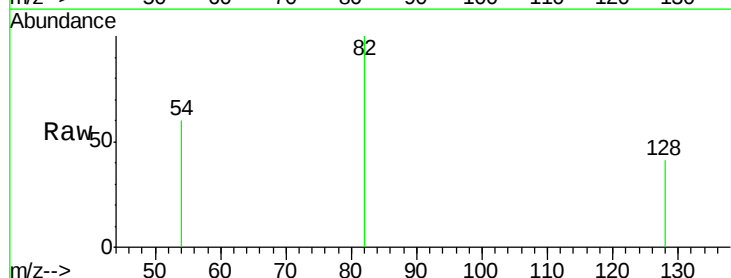
Tgt Ion: 82 Resp: 13416

Ion Ratio Lower Upper

82 100

128 40.7 32.2 48.2

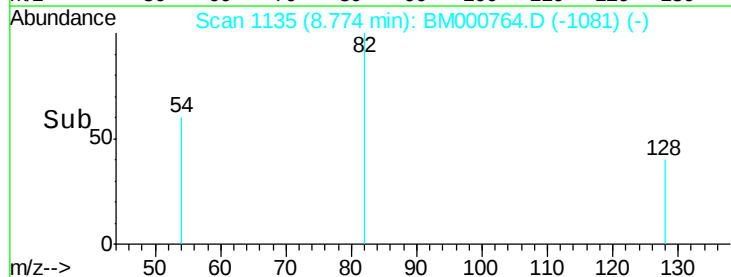
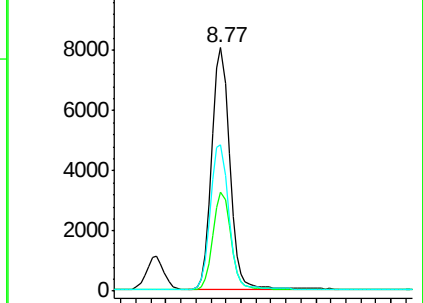
54 59.9 50.2 75.4



Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 2.42 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

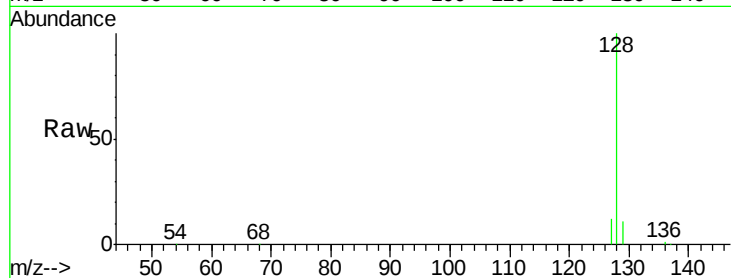
Tgt Ion:128 Resp: 61167

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

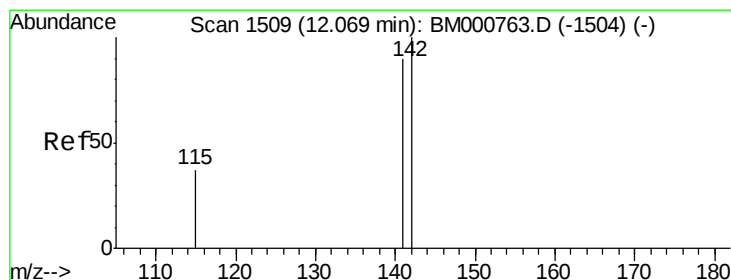
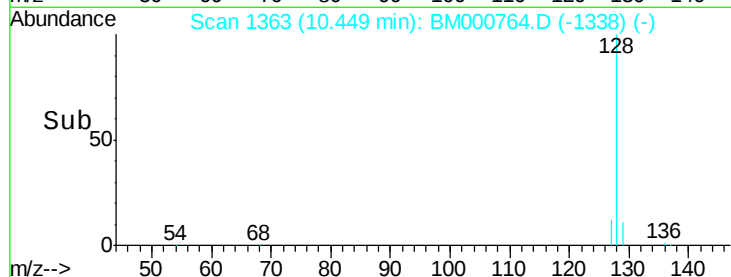
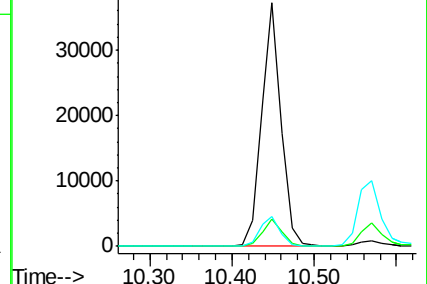
127 12.3 10.0 15.0



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: 2.46 ng

RT: 12.07 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

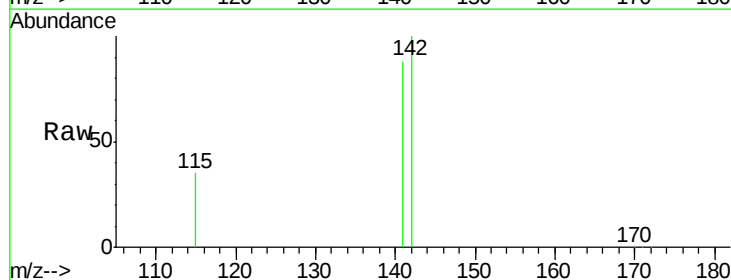
Tgt Ion:142 Resp: 39217

Ion Ratio Lower Upper

142 100

141 88.1 72.3 108.5

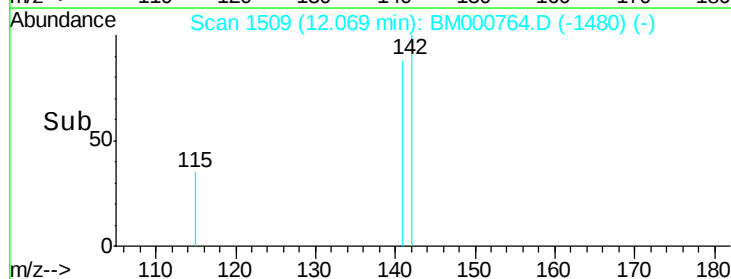
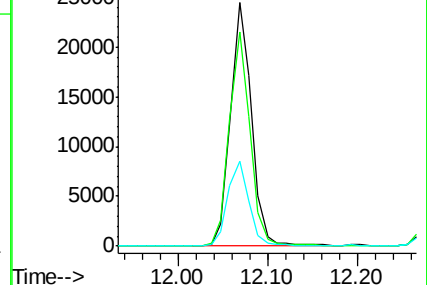
115 34.9 29.5 44.3



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: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

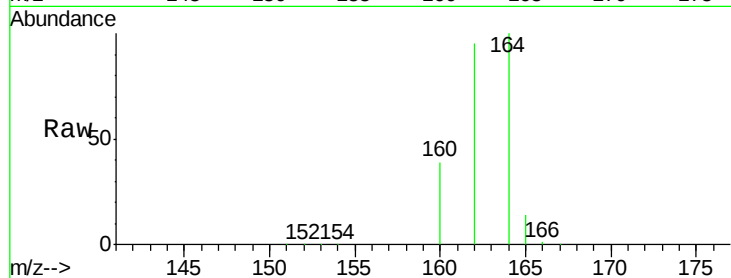
Tgt Ion:164 Resp: 62019

Ion Ratio Lower Upper

164 100

162 94.8 75.4 113.2

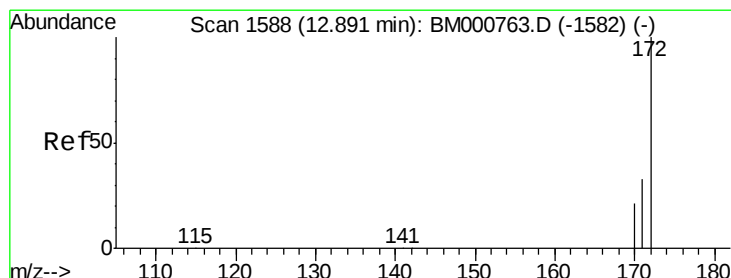
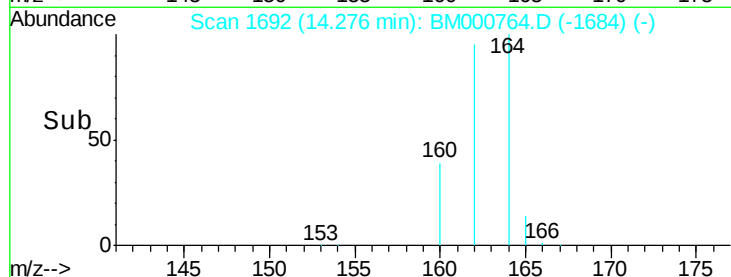
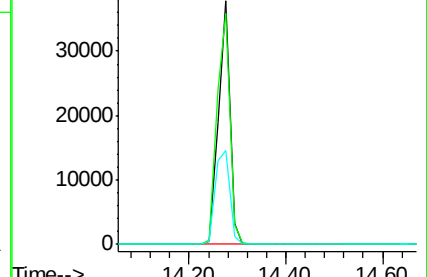
160 38.7 30.8 46.2



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: 2.70 ng

RT: 12.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

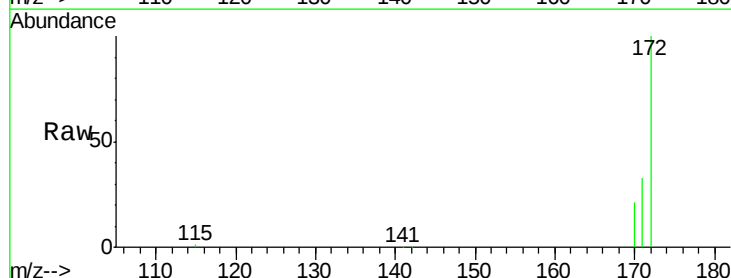
Tgt Ion:172 Resp: 40370

Ion Ratio Lower Upper

172 100

171 33.3 26.6 39.8

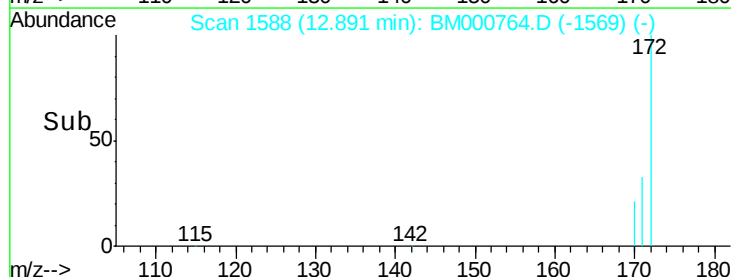
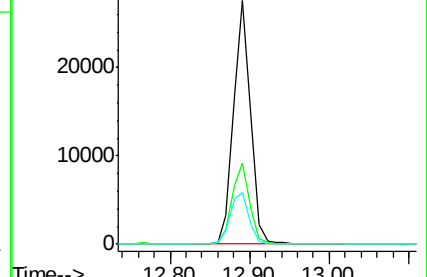
170 21.1 17.1 25.7



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: 0.78 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

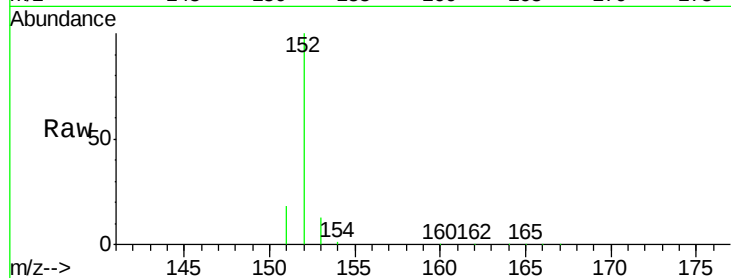
Tgt Ion:152 Resp: 61004

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7

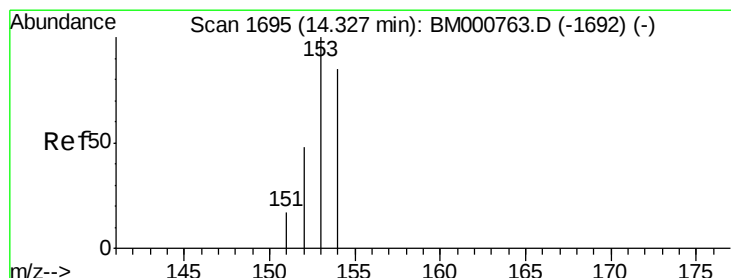
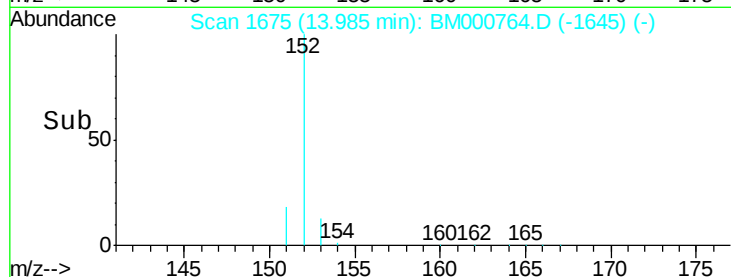
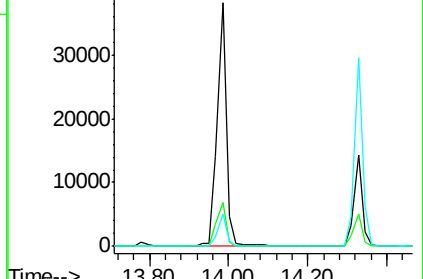
153 12.8 10.2 15.4



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: 2.77 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

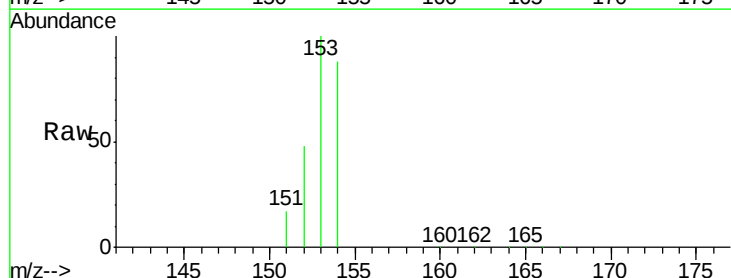
Tgt Ion:154 Resp: 38130

Ion Ratio Lower Upper

154 100

153 110.4 87.3 130.9

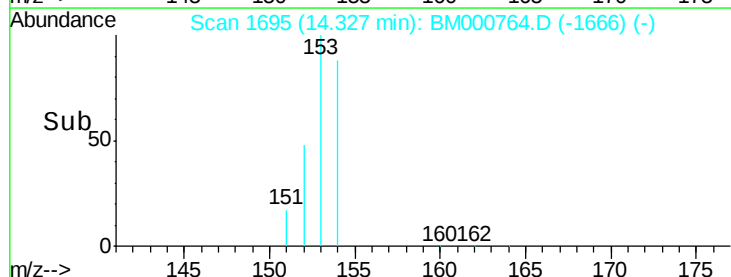
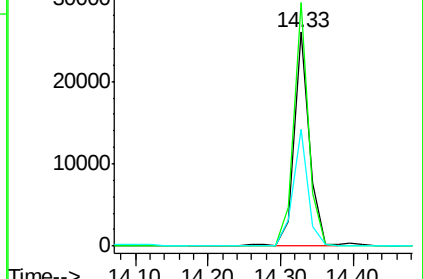
152 53.9 43.0 64.6

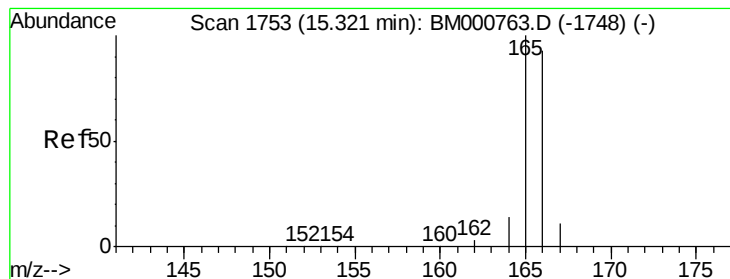


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#12

Fluorene

Concen: 2.67 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

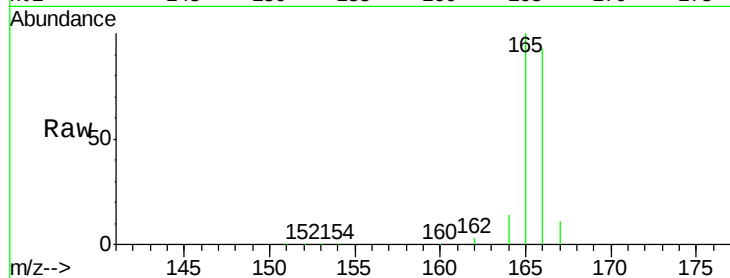
Tgt Ion:166 Resp: 45269

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

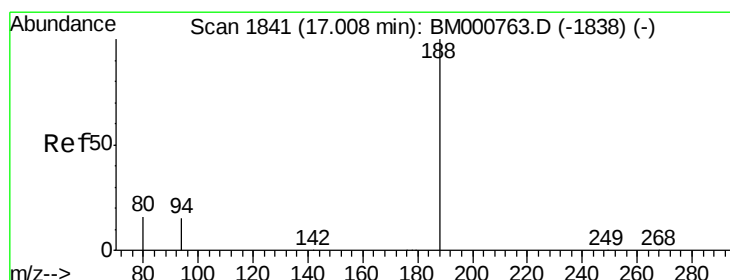
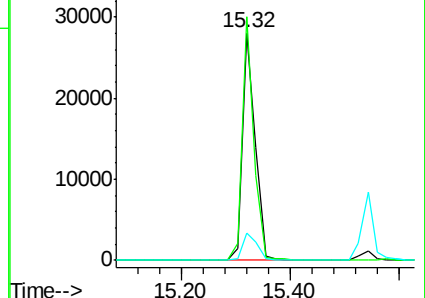
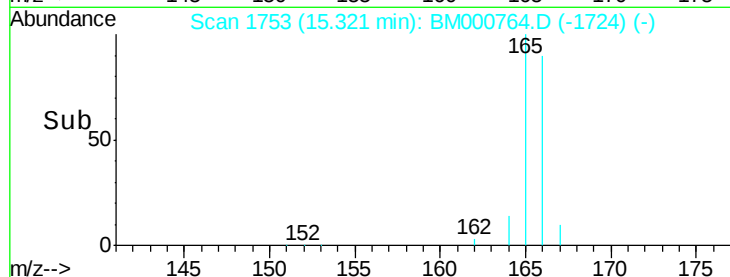
167 13.2 10.7 16.1



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: BM000764.D

Acq: 31 Mar 2015 21:50

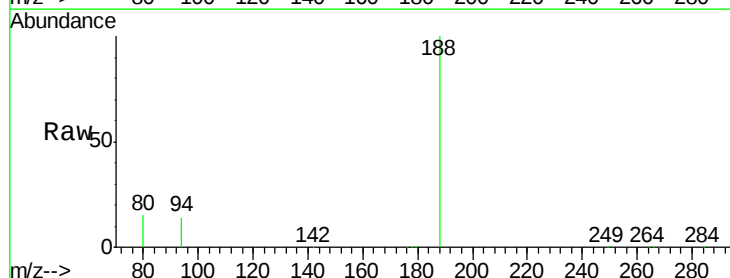
Tgt Ion:188 Resp: 128075

Ion Ratio Lower Upper

188 100

94 14.1 12.0 18.0

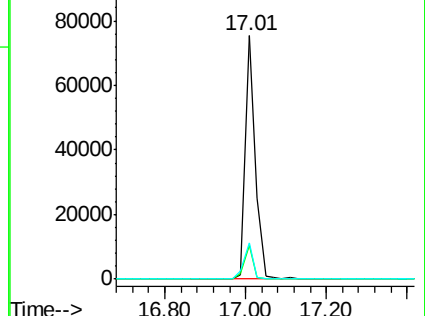
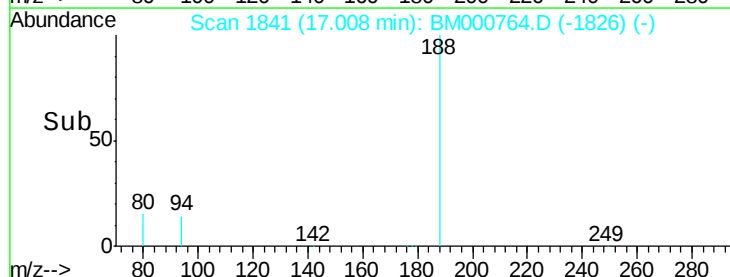
80 14.8 12.8 19.2



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

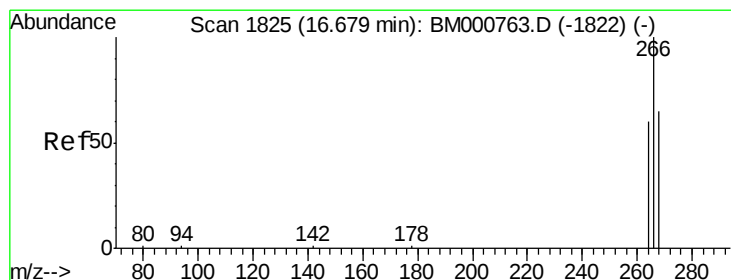
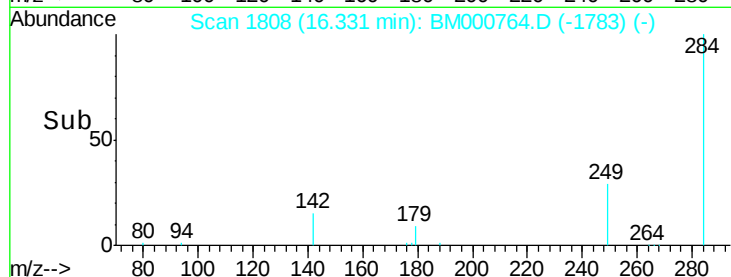
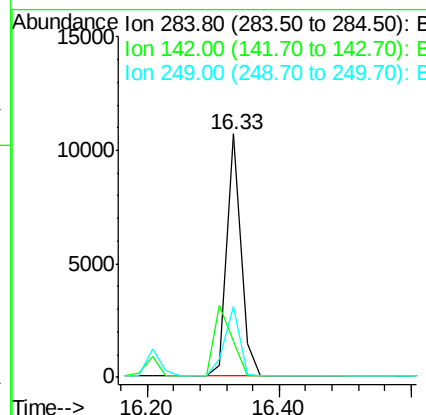
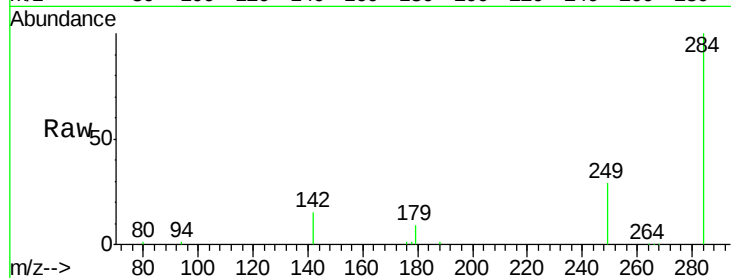




#14
Hexachlorobenzene
Concen: 3.61 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000764.D
Acq: 31 Mar 2015 21:50

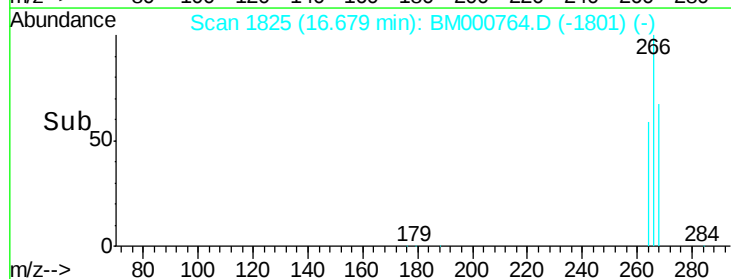
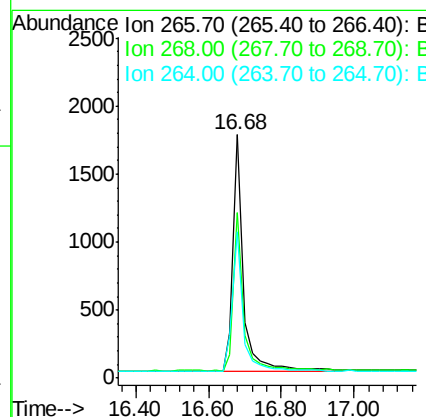
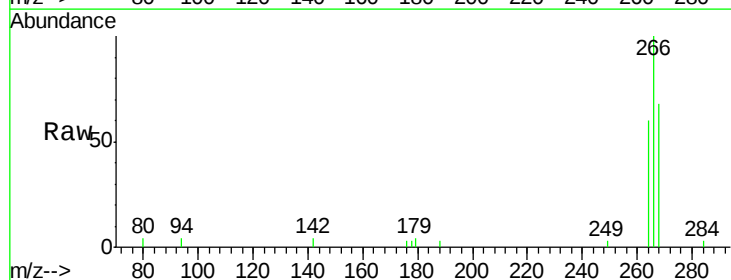
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

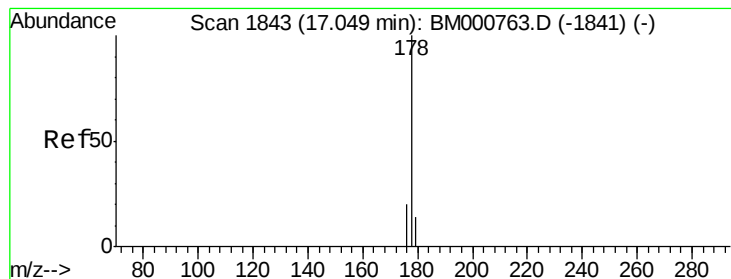
Tgt Ion: 284 Resp: 15559
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.4 25.2 37.8



#15
Pentachlorophenol
Concen: 0.08 ng
RT: 16.68 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BM000764.D
Acq: 31 Mar 2015 21:50

Tgt Ion: 266 Resp: 3543
Ion Ratio Lower Upper
266 100
268 67.8 55.0 82.6
264 60.1 51.0 76.4

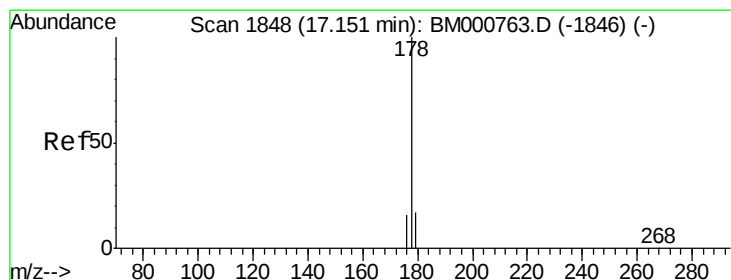
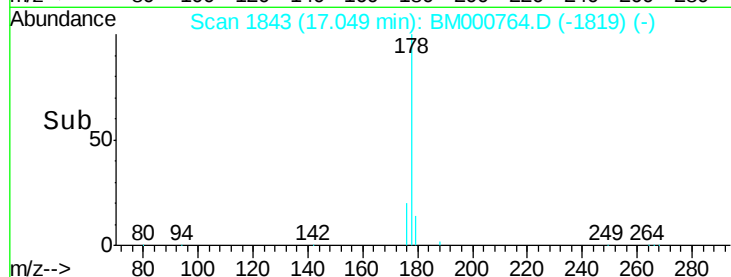
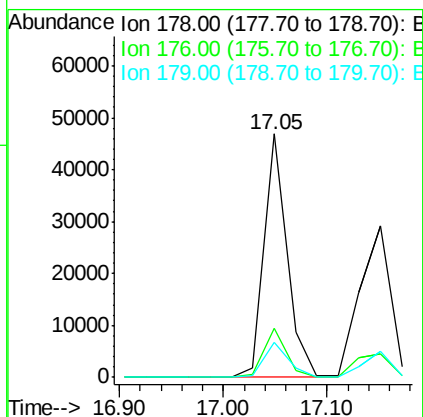
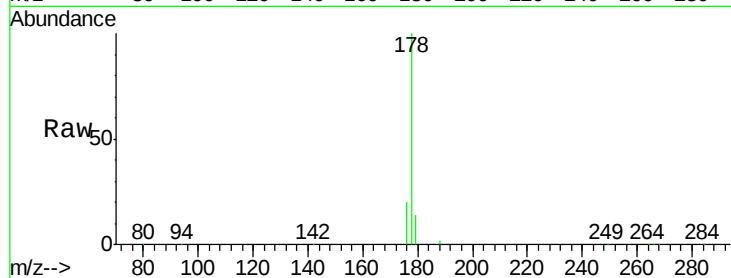




#16
Phenanthrene
Concen: 2.55 ng
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000764.D
Acq: 31 Mar 2015 21:50

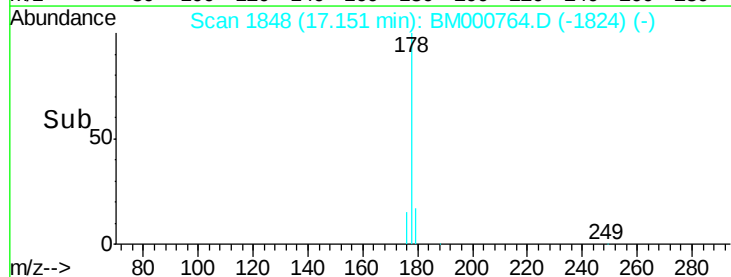
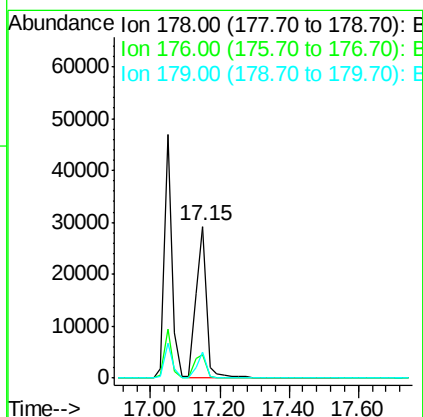
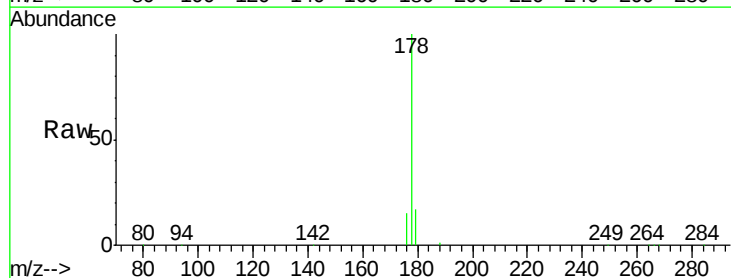
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Tgt Ion:178 Resp: 71105
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.1 12.2 18.2



#17
Anthracene
Concen: 2.48 ng
RT: 17.15 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BM000764.D
Acq: 31 Mar 2015 21:50

Tgt Ion:178 Resp: 61302
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.5 12.2 18.4

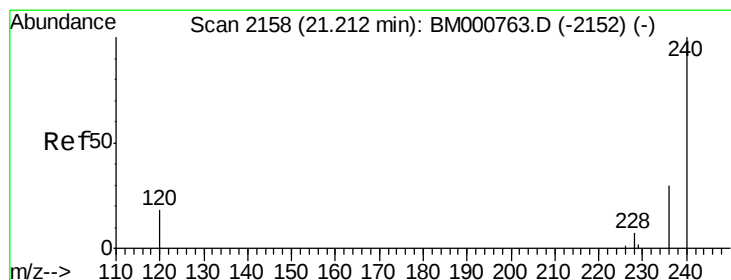
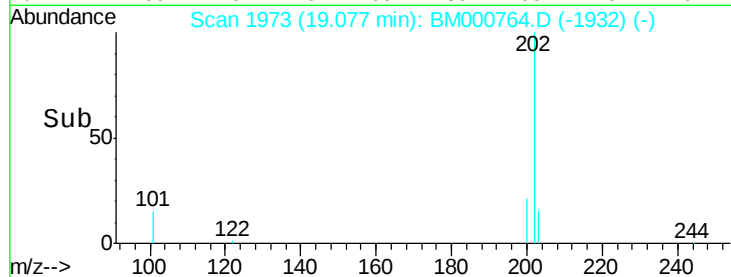
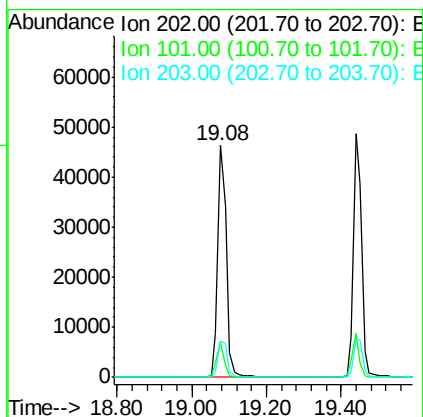
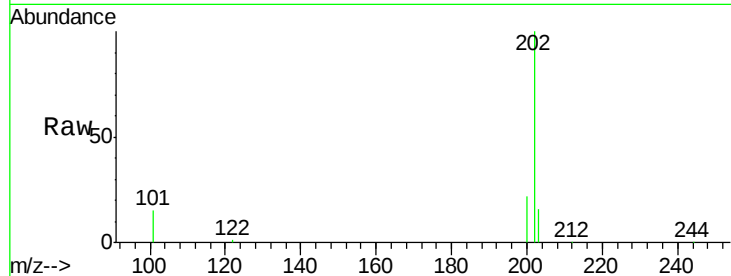




#18
 Fluoranthene
 Concen: 2.66 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000764.D
 Acq: 31 Mar 2015 21:50

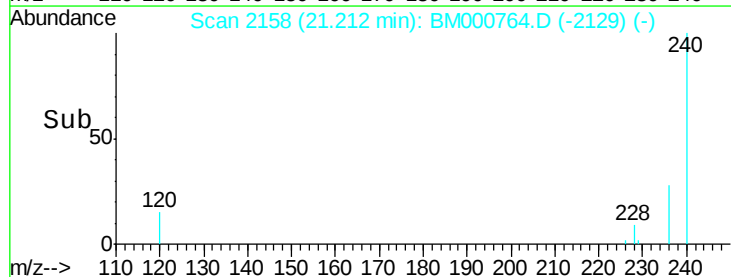
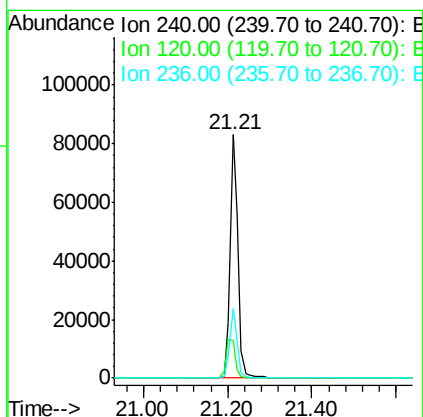
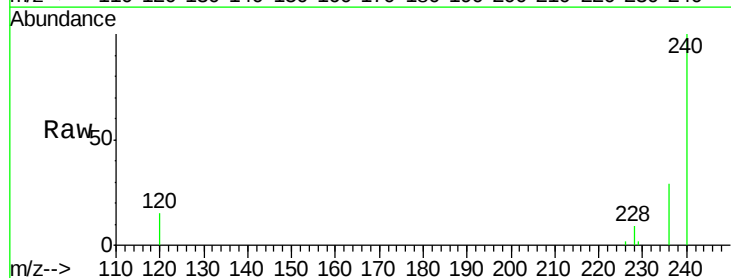
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

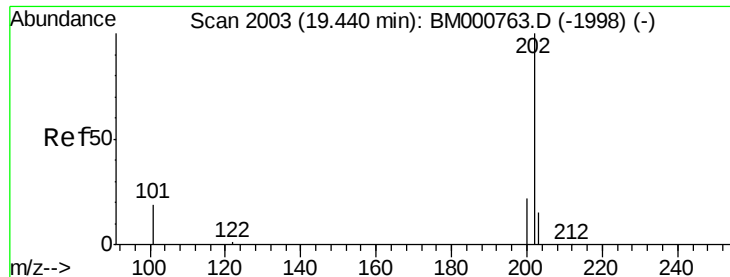
Tgt Ion: 202 Resp: 70937
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.5 15.7
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000764.D
 Acq: 31 Mar 2015 21:50

Tgt Ion: 240 Resp: 109129
 Ion Ratio Lower Upper
 240 100
 120 15.3 14.9 22.3
 236 28.5 24.2 36.4

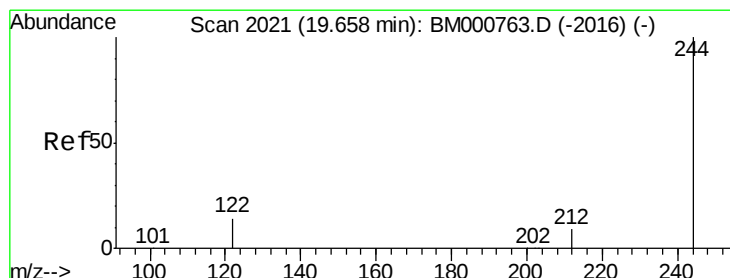
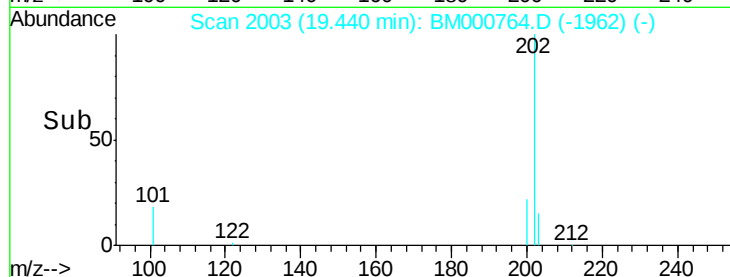
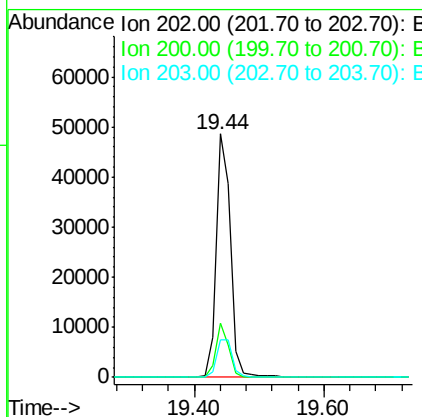
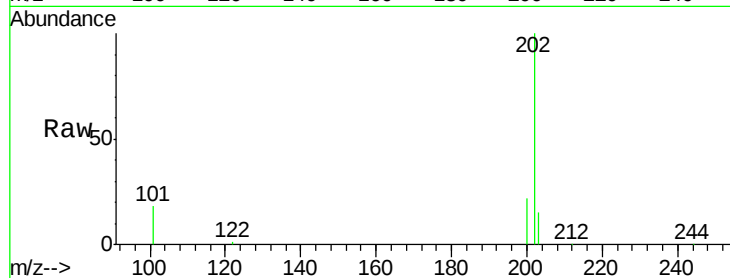




#20
 Pyrene
 Concen: 2.68 ng
 RT: 19.44 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BM000764.D
 Acq: 31 Mar 2015 21:50

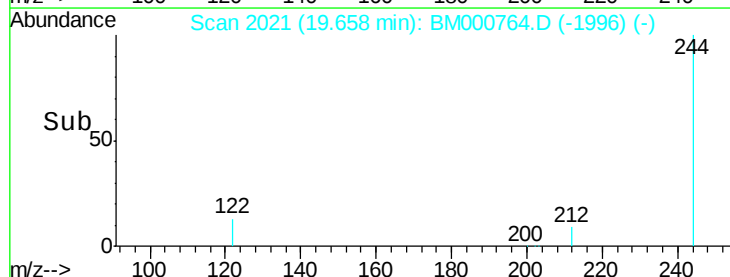
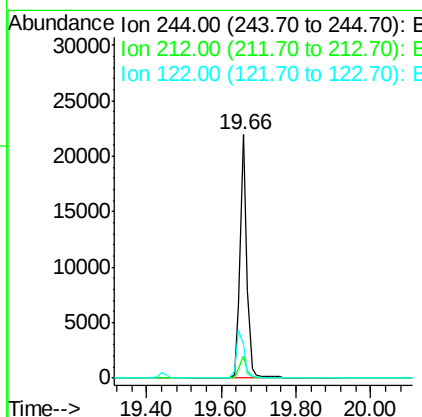
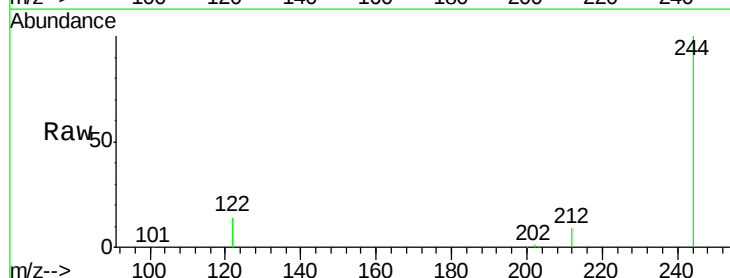
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tgt Ion: 202 Resp: 74880
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.2 13.9 20.9



#21
 Terphenyl-d14
 Concen: 1.78 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BM000764.D
 Acq: 31 Mar 2015 21:50

Tgt Ion: 244 Resp: 27711
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.8 11.6
 122 13.7 11.8 17.8





#22

Benzo(a)anthracene

Concen: 2.99 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

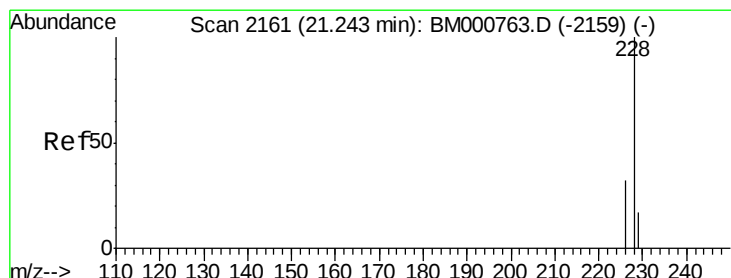
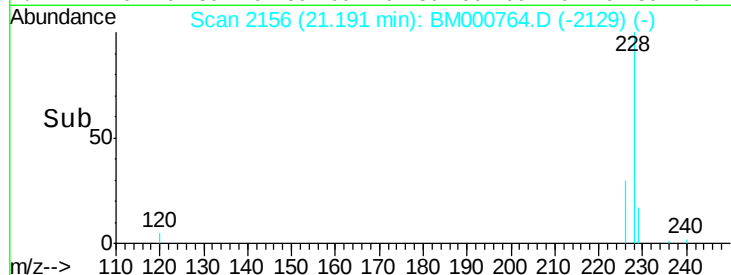
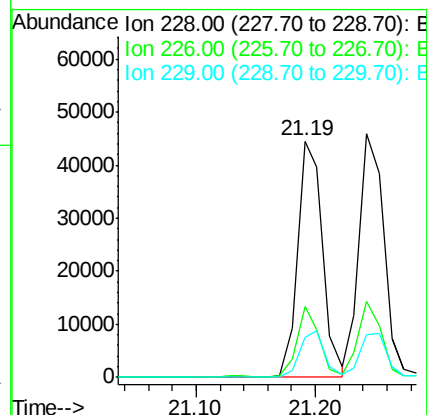
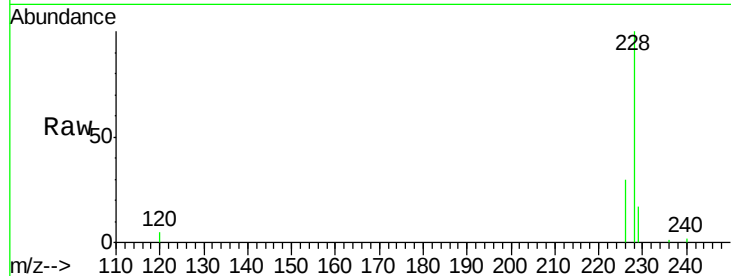
Tgt Ion:228 Resp: 64618

Ion Ratio Lower Upper

228 100

226 29.9 18.6 27.8#

229 17.1 17.2 25.8#



#23

Chrysene

Concen: 2.96 ng

RT: 21.24 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

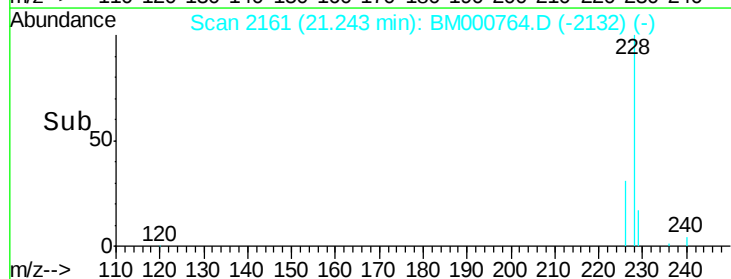
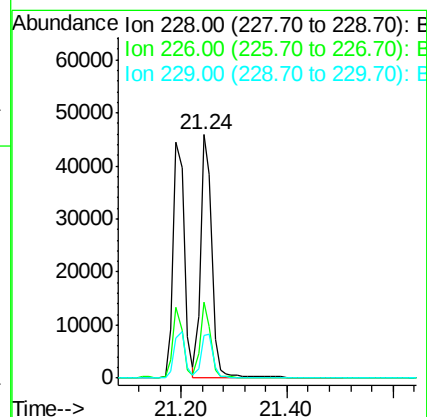
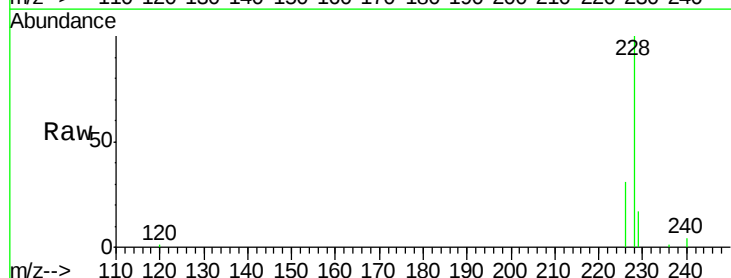
Tgt Ion:228 Resp: 67492

Ion Ratio Lower Upper

228 100

226 31.4 25.8 38.8

229 17.5 13.8 20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 4.33 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000764.D

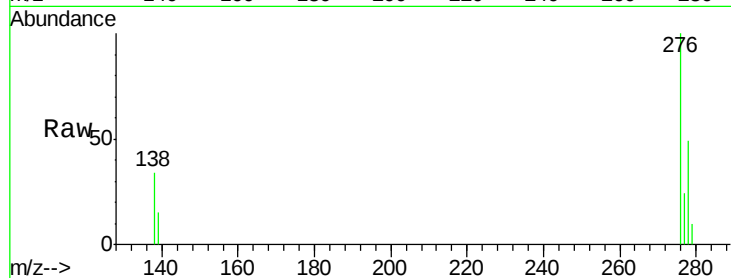
Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002



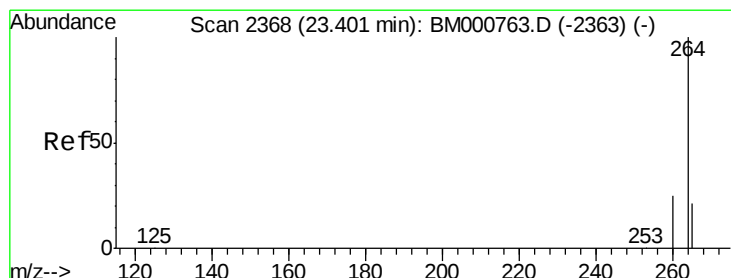
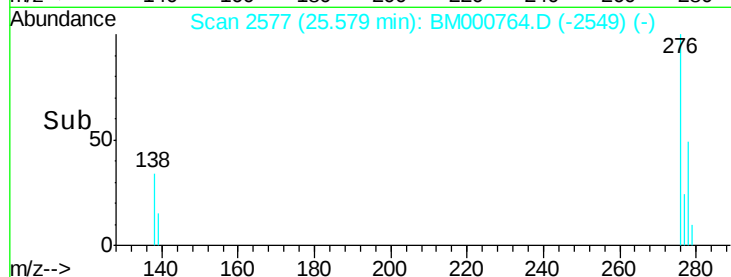
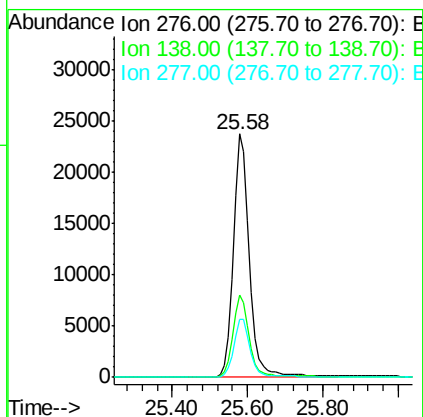
Tgt Ion:276 Resp: 70417

Ion Ratio Lower Upper

276 100

138 34.2 27.4 41.2

277 24.5 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: BM000764.D

Acq: 31 Mar 2015 21:50

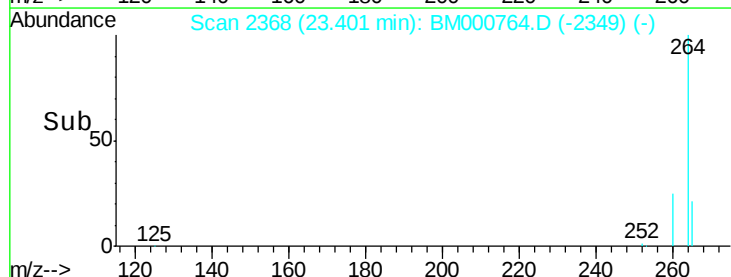
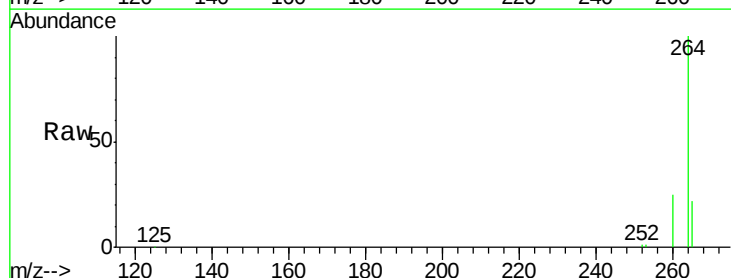
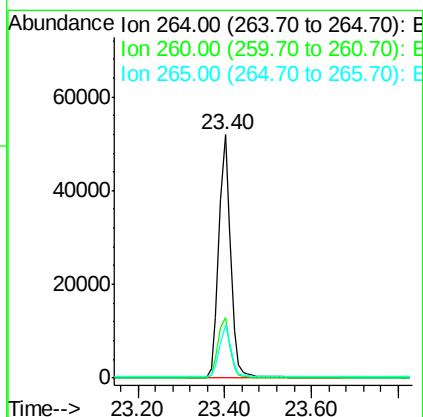
Tgt Ion:264 Resp: 97244

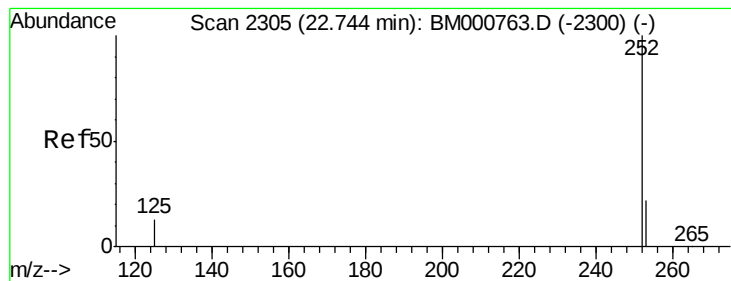
Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 21.6 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 3.59 ng

RT: 22.74 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

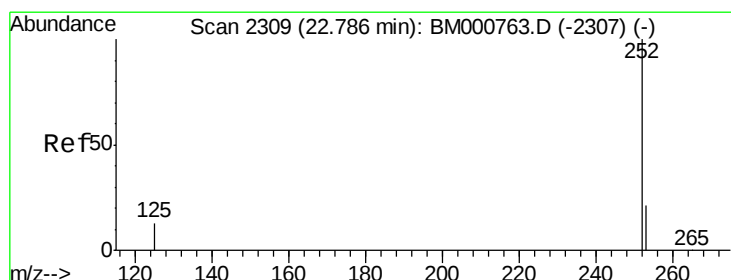
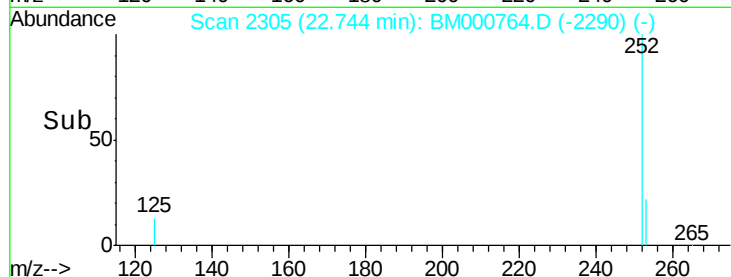
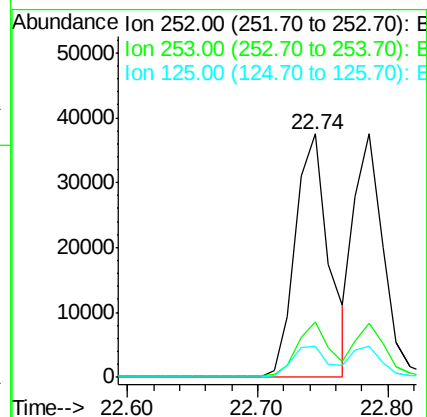
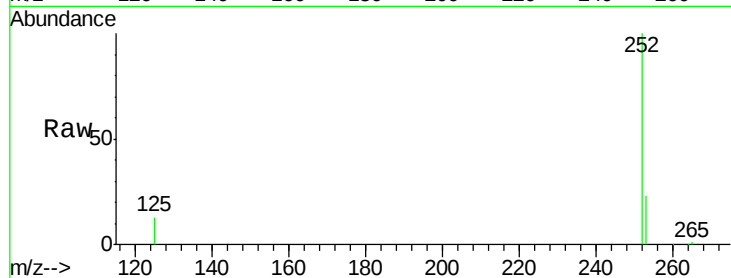
Tgt Ion:252 Resp: 66870

Ion Ratio Lower Upper

252 100

253 22.7 18.5 27.7

125 12.7 10.6 16.0



#27

Benzo(k)fluoranthene

Concen: 2.74 ng

RT: 22.79 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

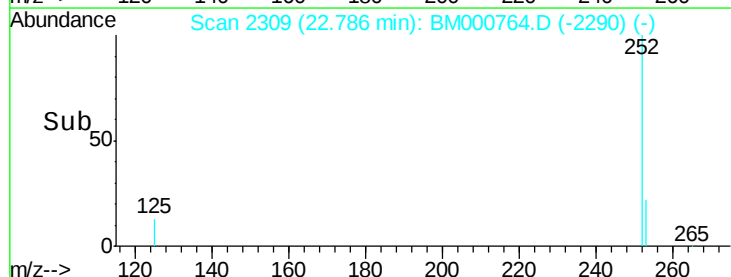
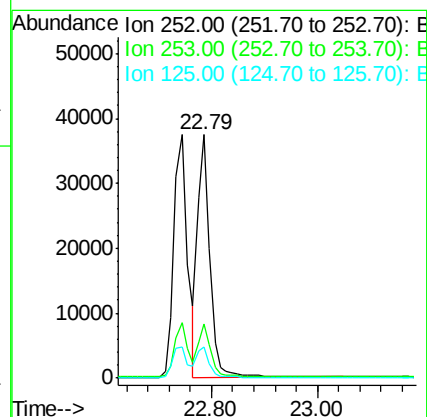
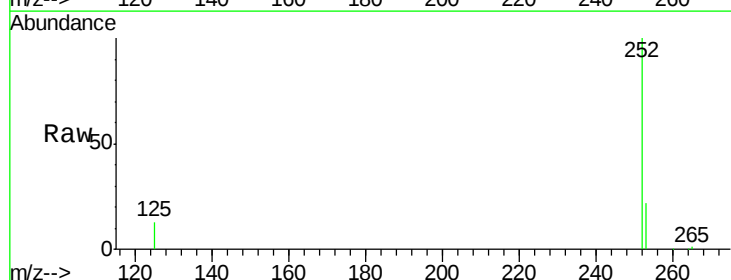
Tgt Ion:252 Resp: 60101

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 12.8 10.8 16.2





#28

Benzo(a)pyrene

Concen: 3.36 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

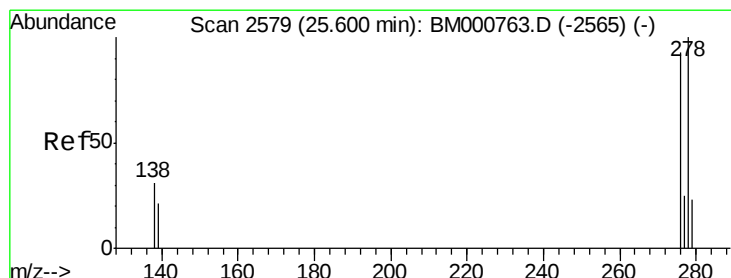
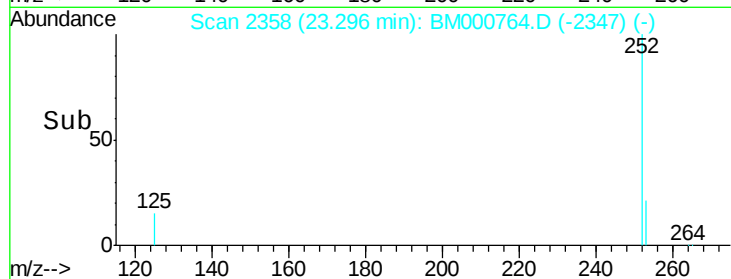
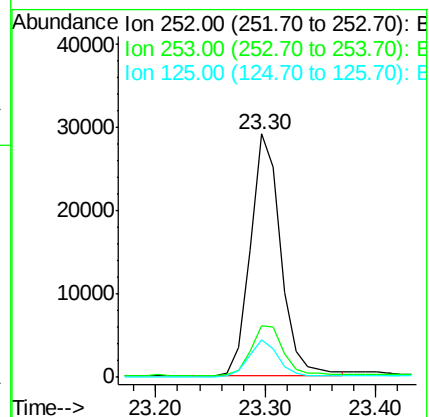
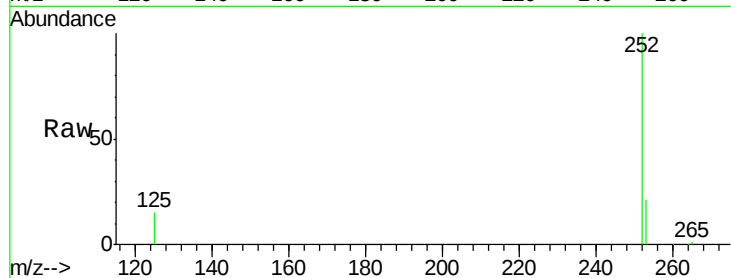
Tgt Ion:252 Resp: 55576

Ion Ratio Lower Upper

252 100

253 21.4 19.4 29.2

125 15.5 11.5 17.3



#29

Dibenzo(a,h)anthracene

Concen: 4.46 ng

RT: 25.60 min Scan# 2579

Delta R.T. -0.00 min

Lab File: BM000764.D

Acq: 31 Mar 2015 21:50

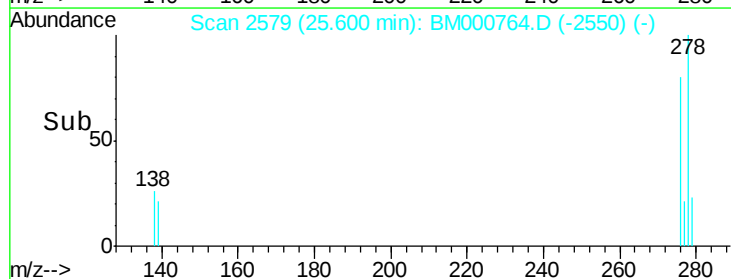
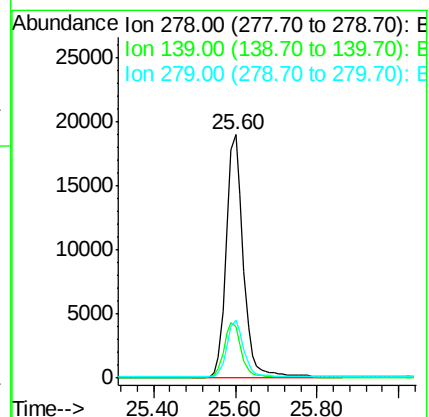
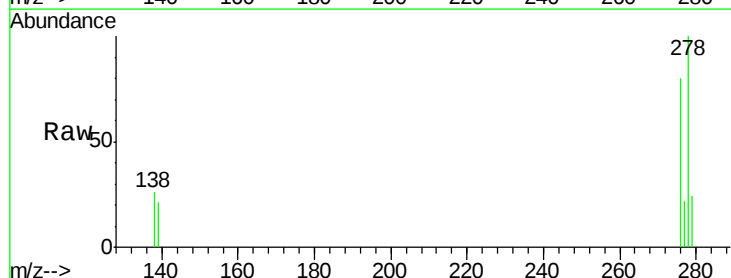
Tgt Ion:278 Resp: 55498

Ion Ratio Lower Upper

278 100

139 21.0 17.8 26.6

279 23.9 19.3 28.9





#30

Benzo(g,h,i)perylene

Concen: 3.72 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

Lab File: BM000764.D

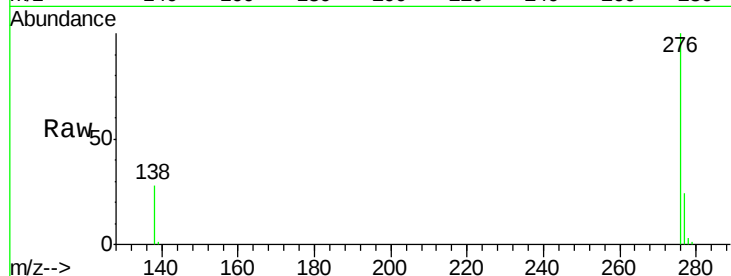
Acq: 31 Mar 2015 21:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC002



Tgt Ion: 276 Resp: 58940

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 28.0 23.1 34.7

