

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000760.D
 Acq On : 31 Mar 2015 19:28
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

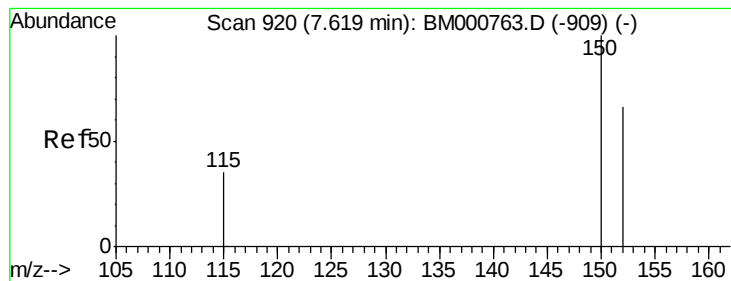
Quant Time: Apr 01 03:05:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 03:53:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	37511	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	131295	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	63670	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	132579	5.00	ng	0.00
19) Chrysene-d12	21.22	240	112089	5.00	ng	0.01
25) Perylene-d12	23.40	264	103507	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.78	82	1015	0.15	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	3443	0.22	ng	0.00
21) Terphenyl-d14	19.66	244	2292	0.14	ng	0.00

Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.47	42	466	0.09	ng	# 94
6) Naphthalene	10.45	128	5442	0.21	ng	97
7) 2-Methylnaphthalene	12.08	142	3325	0.20	ng	92
10) Acenaphthylene	13.99	152	4399	0.05	ng	100
11) Acenaphthene	14.33	154	3508	0.25	ng	96
12) Fluorene	15.32	166	3684	0.21	ng	99
14) Hexachlorobenzene	16.33	284	1359	0.30	ng	# 100
16) Phenanthrene	17.05	178	6306	0.22	ng	99
17) Anthracene	17.15	178	5083	0.20	ng	99
18) Fluoranthene	19.09	202	6017	0.22	ng	99
20) Pyrene	19.45	202	6114	0.21	ng	99
22) Benzo(a)anthracene	21.20	228	5322	0.24	ng	98
23) Chrysene	21.25	228	6038	0.26	ng	# 90
24) Indeno(1,2,3-cd)pyrene	25.59	276	5879	0.35	ng	100
26) Benzo(b)fluoranthene	22.74	252	5148	0.26	ng	# 92
27) Benzo(k)fluoranthene	22.79	252	5543	0.24	ng	# 90
28) Benzo(a)pyrene	23.31	252	4524	0.26	ng	# 87
29) Dibenzo(a,h)anthracene	25.61	278	4528	0.34	ng	# 91
30) Benzo(g,h,i)perylene	26.26	276	5113	0.30	ng	95

(#) = 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: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

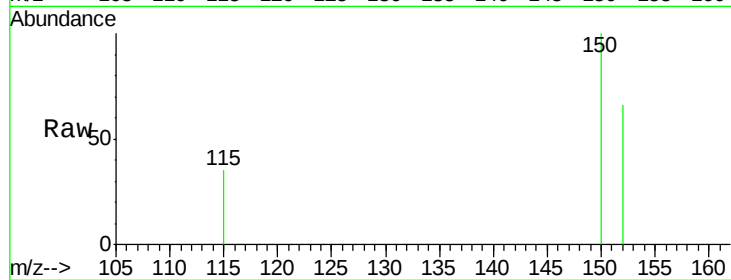
Tgt Ion:152 Resp: 37511

Ion Ratio Lower Upper

152 100

150 150.7 120.8 181.2

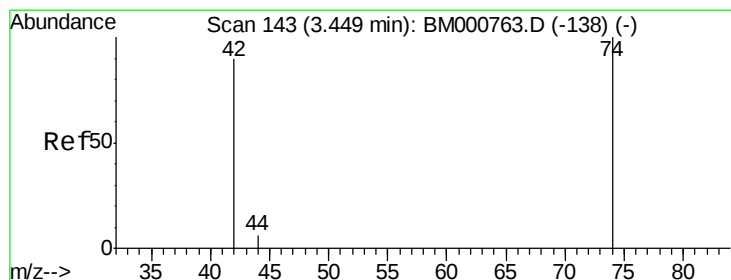
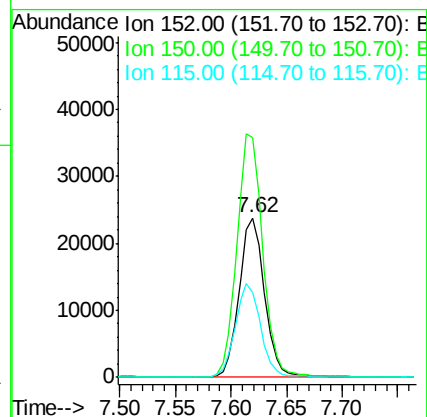
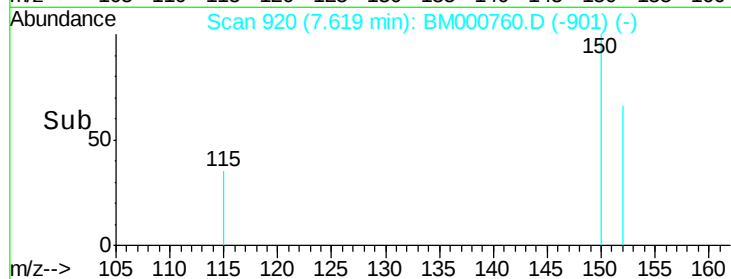
115 53.4 42.7 64.1



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: 0.09 ng

RT: 3.47 min Scan# 146

Delta R.T. 0.02 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

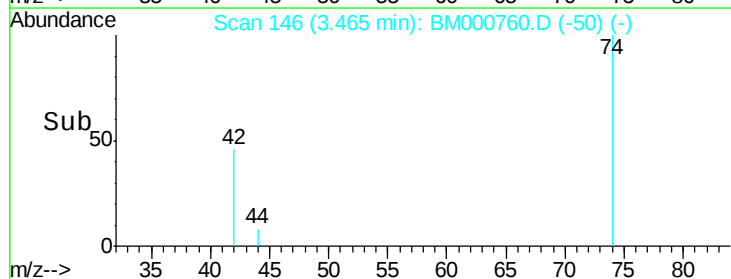
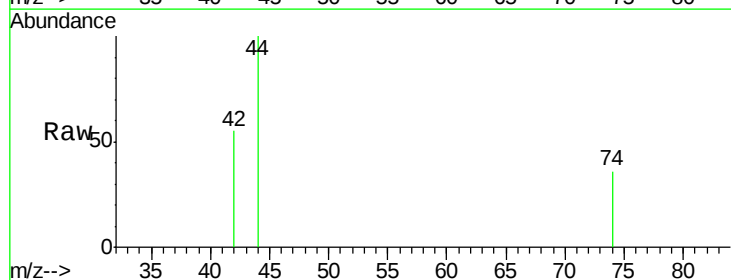
Tgt Ion: 42 Resp: 466

Ion Ratio Lower Upper

42 100

74 111.2 93.6 140.4

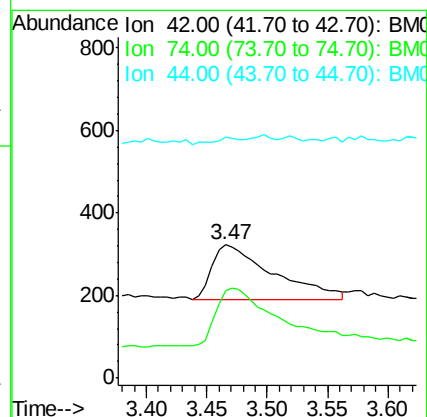
44 2.8 6.3 9.5#



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: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

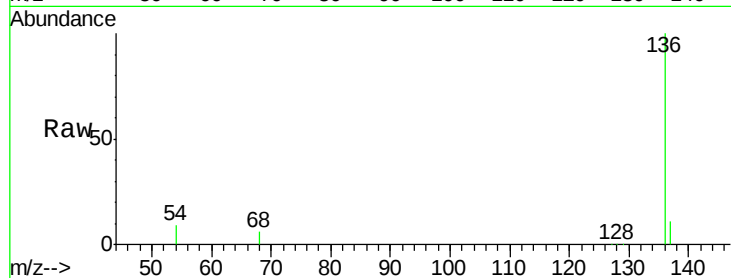
Tgt Ion: 136 Resp: 131295

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

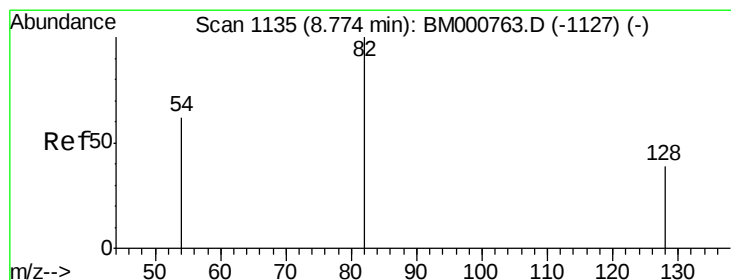
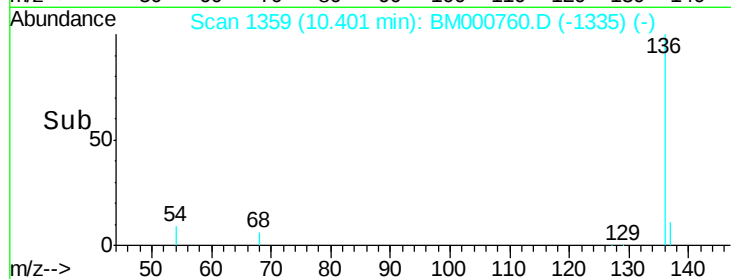
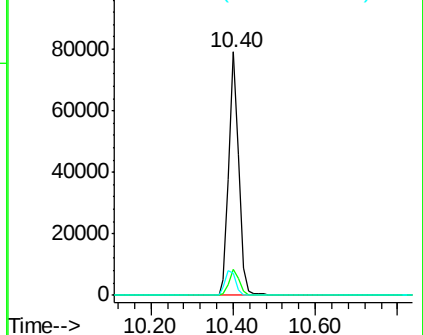
54 8.9 7.0 10.6



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: 0.15 ng

RT: 8.78 min Scan# 1136

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

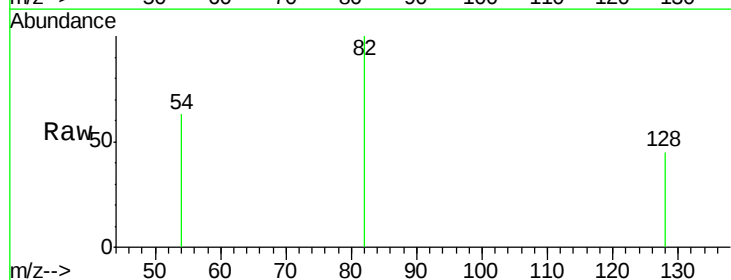
Tgt Ion: 82 Resp: 1015

Ion Ratio Lower Upper

82 100

128 44.6 32.2 48.2

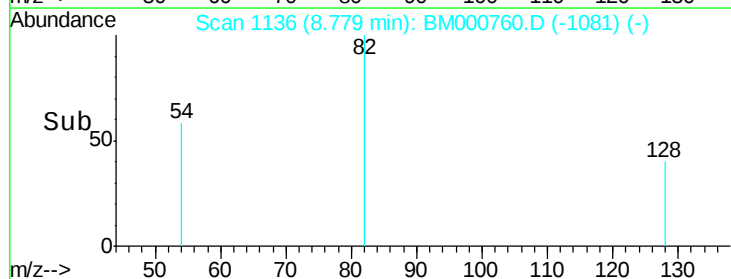
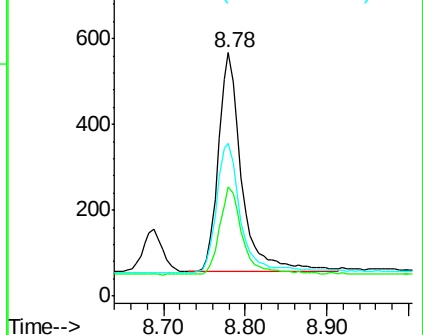
54 62.6 50.2 75.4



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: 0.21 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

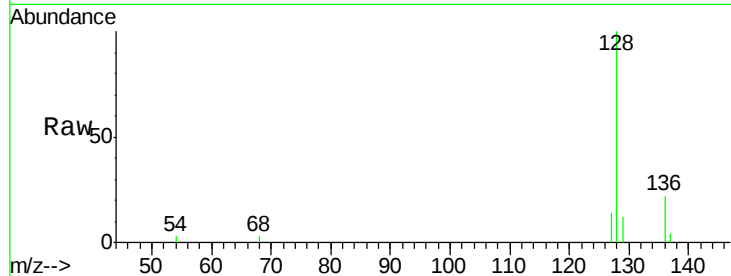
Tgt Ion:128 Resp: 5442

Ion Ratio Lower Upper

128 100

129 12.3 8.9 13.3

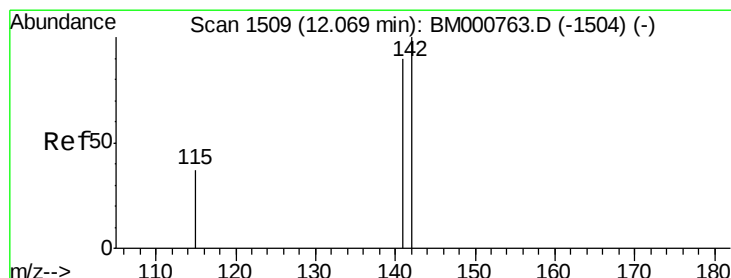
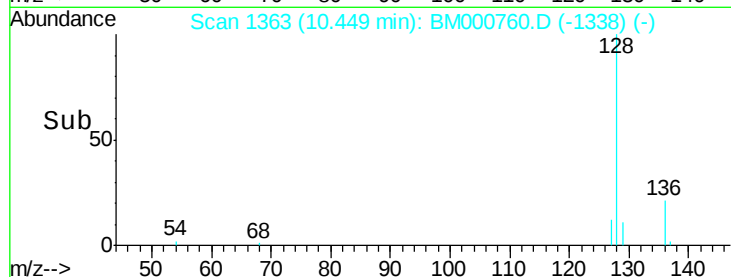
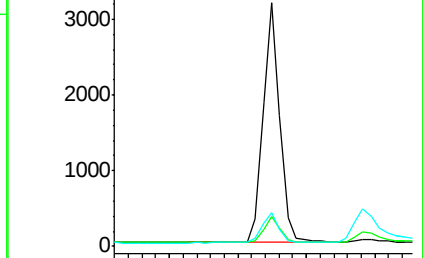
127 13.7 10.0 15.0



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: 0.20 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

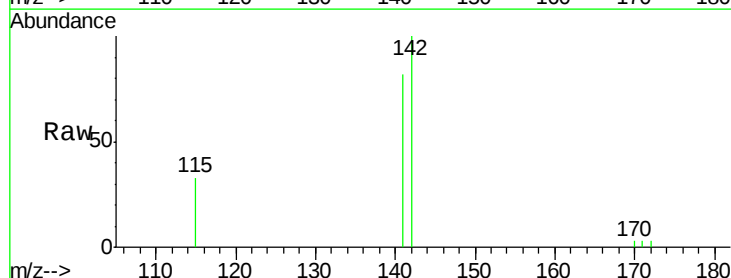
Tgt Ion:142 Resp: 3325

Ion Ratio Lower Upper

142 100

141 82.5 72.3 108.5

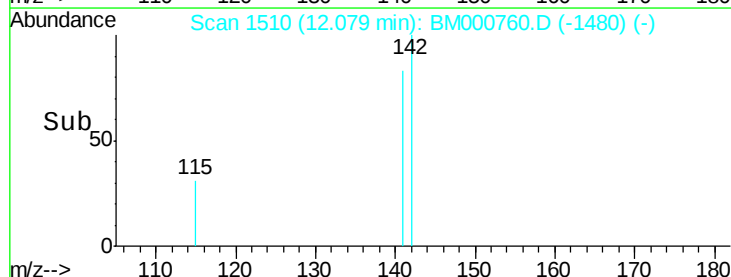
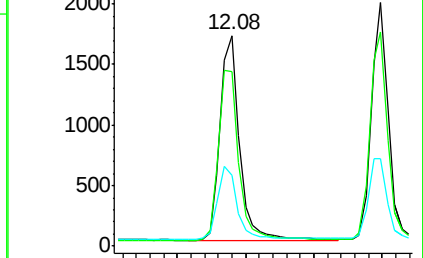
115 33.4 29.5 44.3



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: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

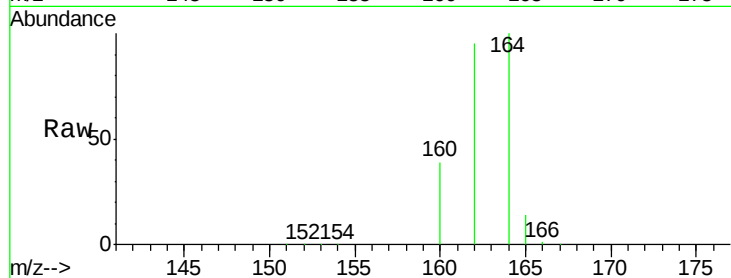
Tgt Ion:164 Resp: 63670

Ion Ratio Lower Upper

164 100

162 95.4 75.4 113.2

160 39.3 30.8 46.2

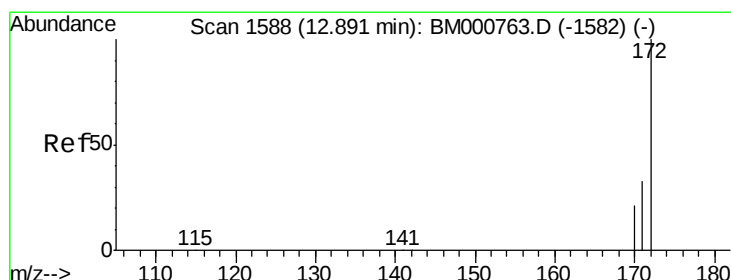
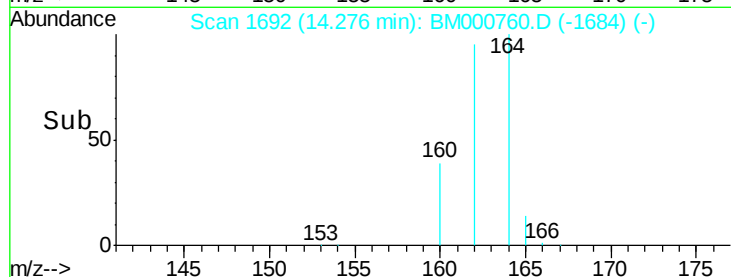
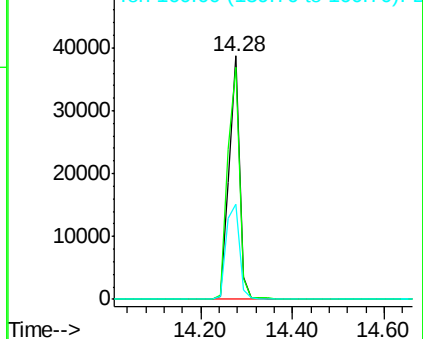


Abundance

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: 0.22 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

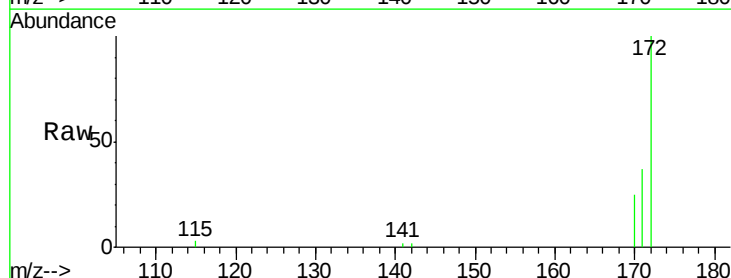
Tgt Ion:172 Resp: 3443

Ion Ratio Lower Upper

172 100

171 36.8 26.6 39.8

170 25.1 17.1 25.7

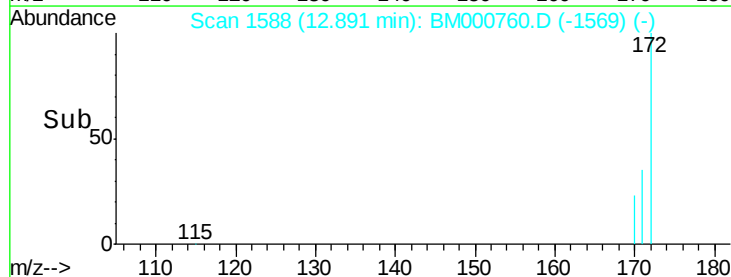
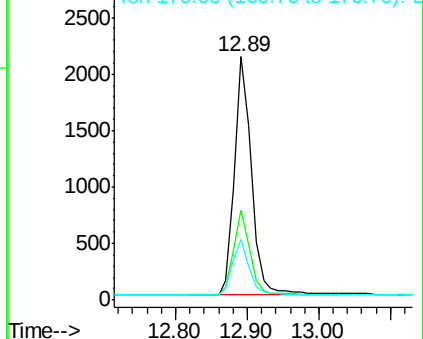


Abundance

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: 0.05 ng

RT: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

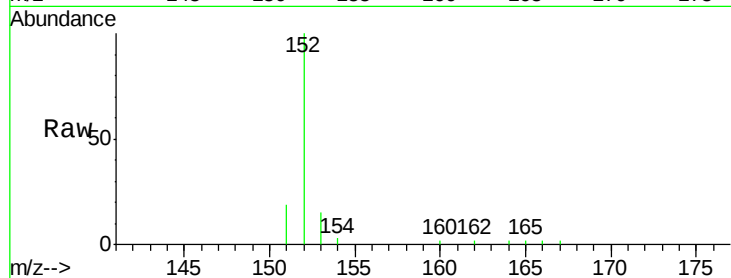
Tgt Ion:152 Resp: 4399

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

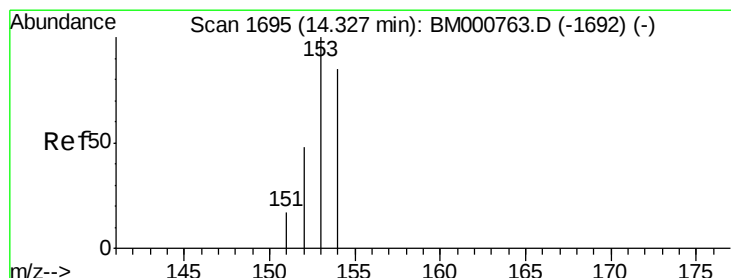
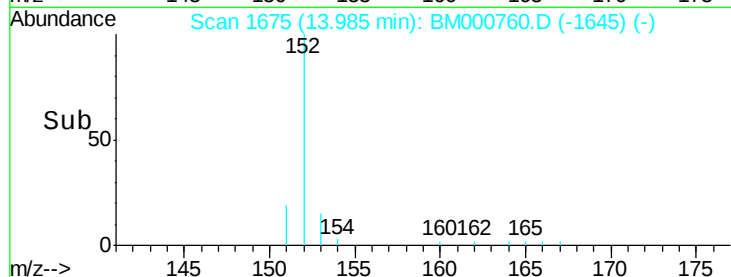
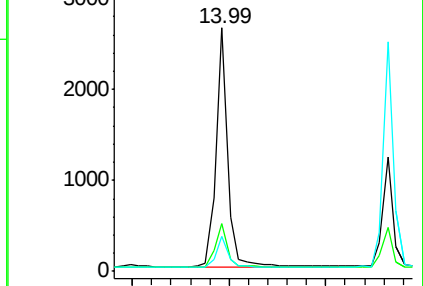
153 13.0 10.2 15.4



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: 0.25 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

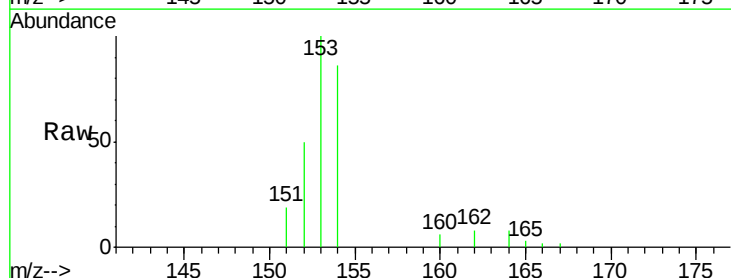
Tgt Ion:154 Resp: 3508

Ion Ratio Lower Upper

154 100

153 104.8 87.3 130.9

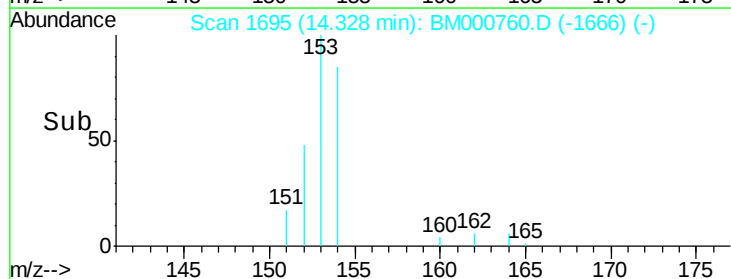
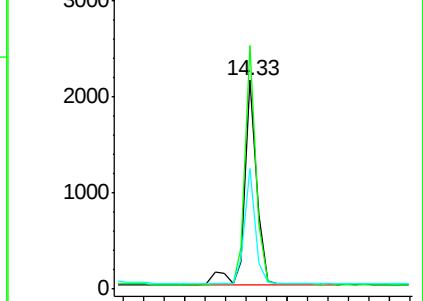
152 50.8 43.0 64.6



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: 0.21 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

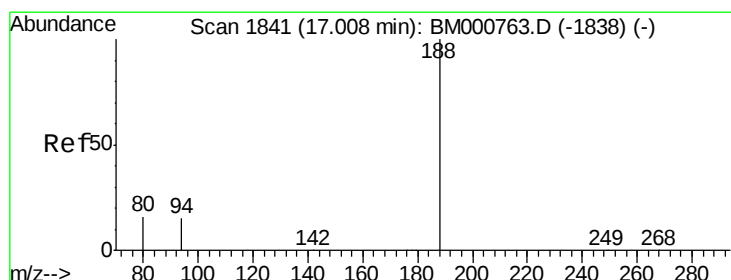
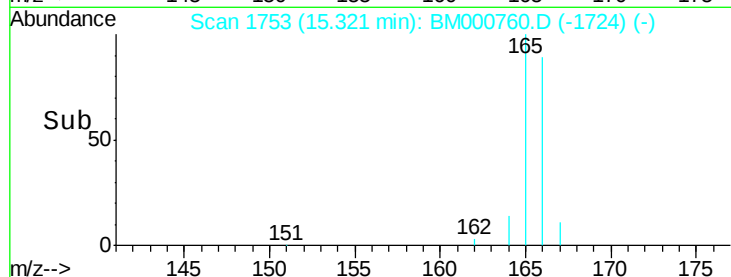
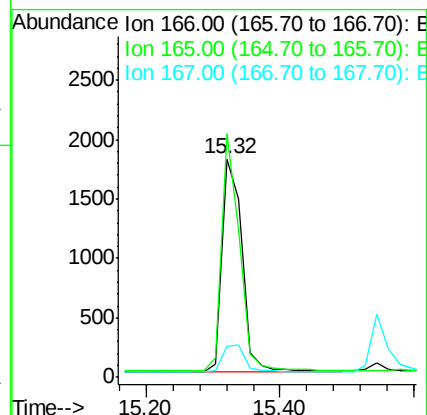
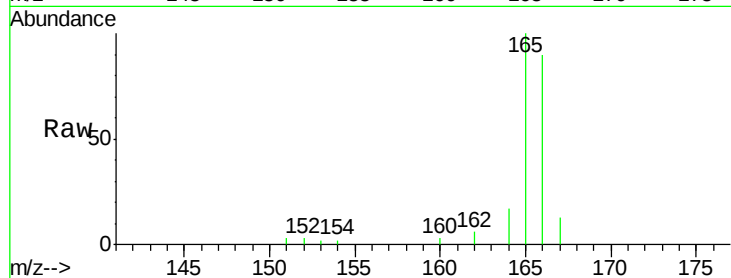
Tgt Ion:166 Resp: 3684

Ion Ratio Lower Upper

166 100

165 98.2 78.2 117.2

167 14.1 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: BM000760.D

Acq: 31 Mar 2015 19:28

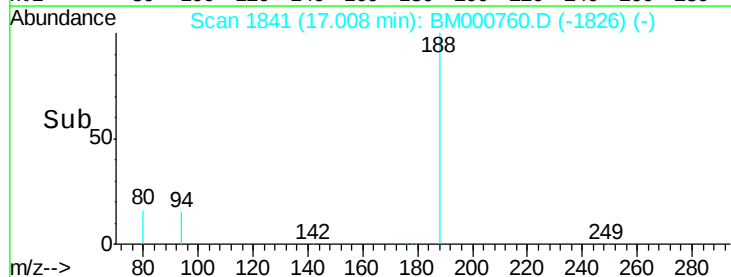
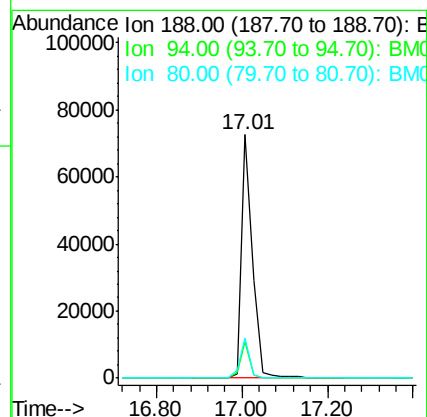
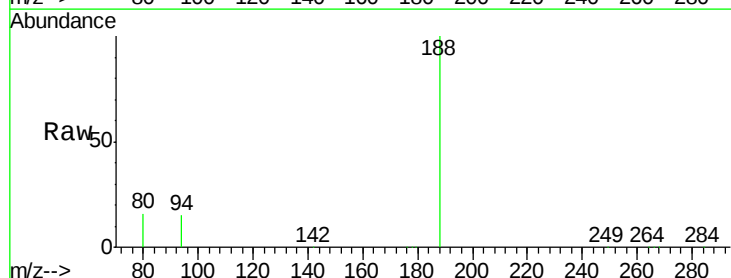
Tgt Ion:188 Resp: 132579

Ion Ratio Lower Upper

188 100

94 15.1 12.0 18.0

80 16.5 12.8 19.2

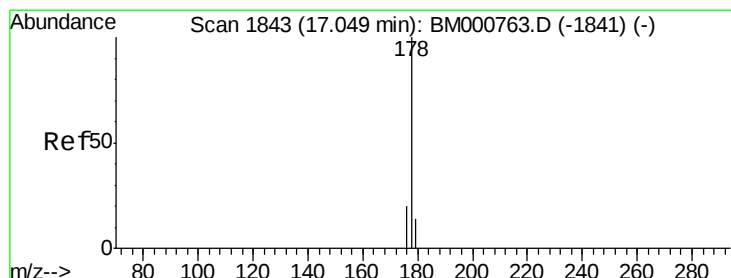
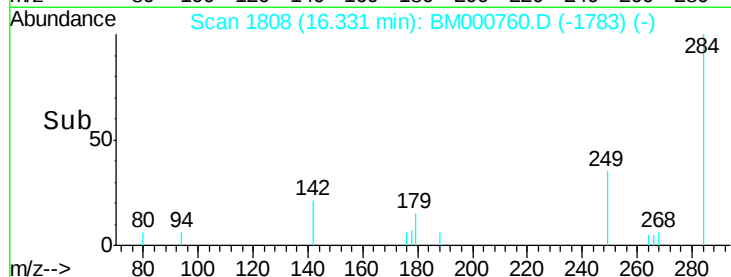
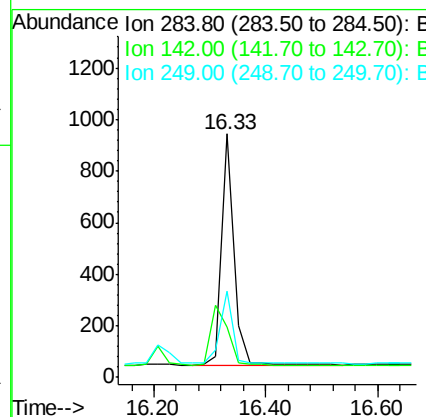
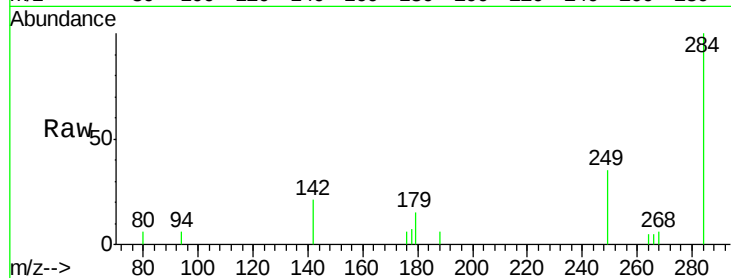




#14
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000760.D
Acq: 31 Mar 2015 19:28

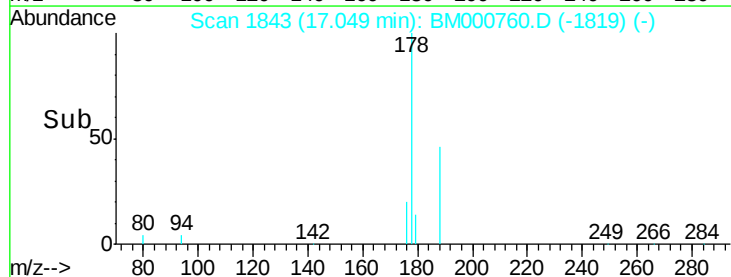
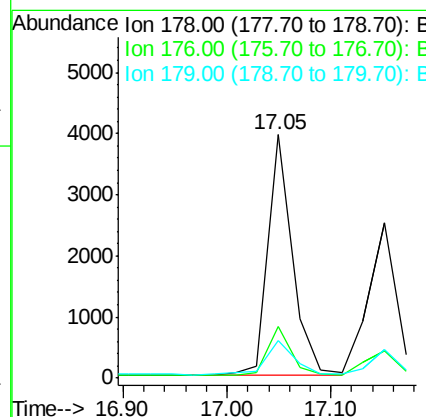
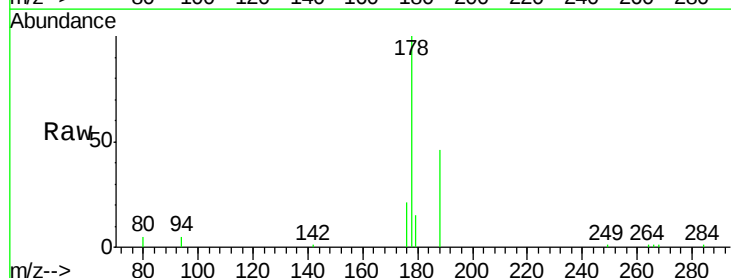
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

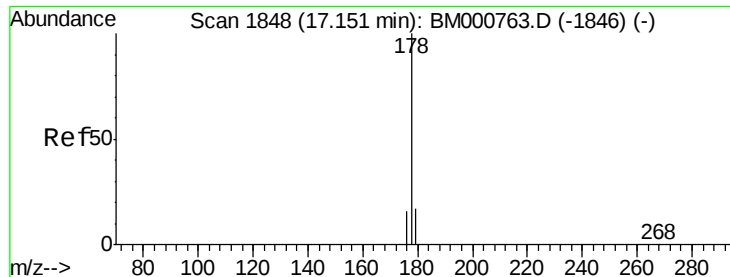
Tgt Ion: 284 Resp: 1359
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 31.6 25.2 37.8



#16
Phenanthrene
Concen: 0.22 ng
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000760.D
Acq: 31 Mar 2015 19:28

Tgt Ion: 178 Resp: 6306
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.3 12.2 18.2





#17

Anthracene

Concen: 0.20 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

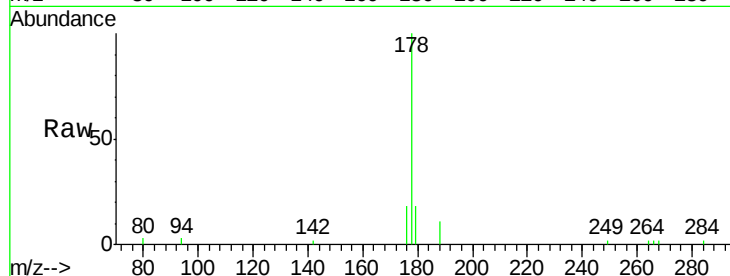
Tgt Ion:178 Resp: 5083

Ion Ratio Lower Upper

178 100

176 17.2 14.6 22.0

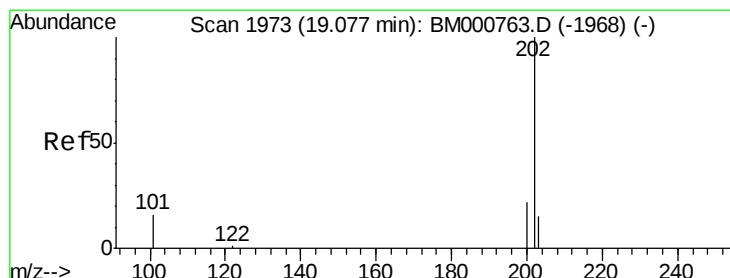
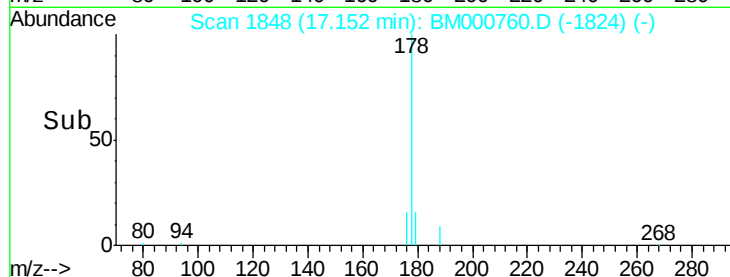
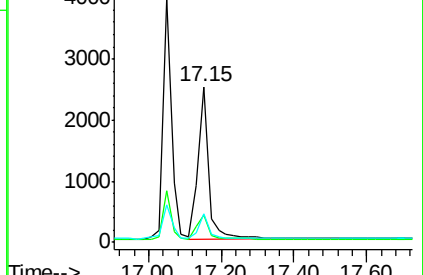
179 15.3 12.2 18.4



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: 0.22 ng

RT: 19.09 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

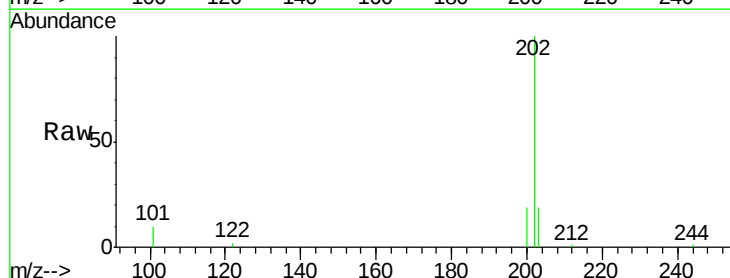
Tgt Ion:202 Resp: 6017

Ion Ratio Lower Upper

202 100

101 12.8 10.5 15.7

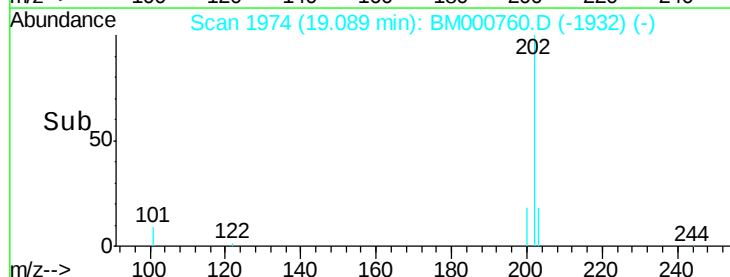
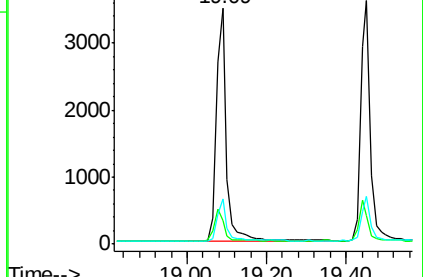
203 17.1 13.8 20.8

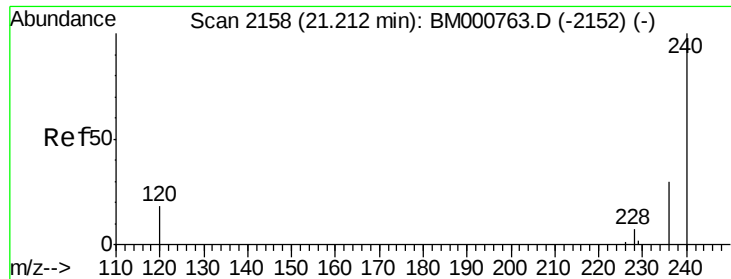


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.22 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

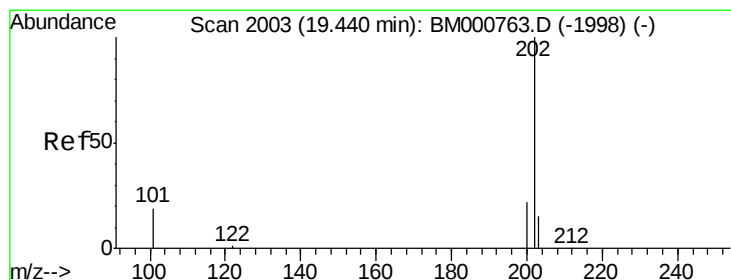
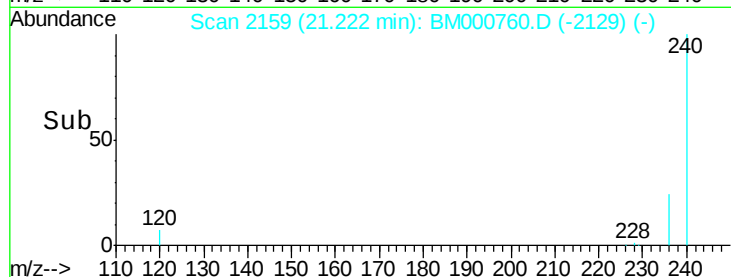
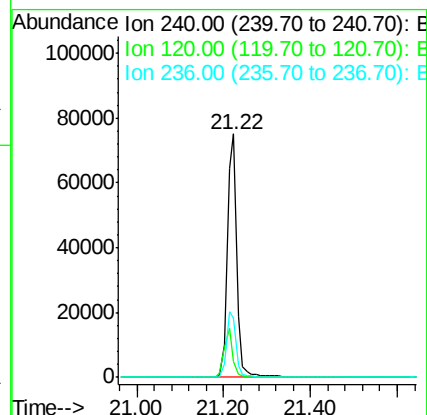
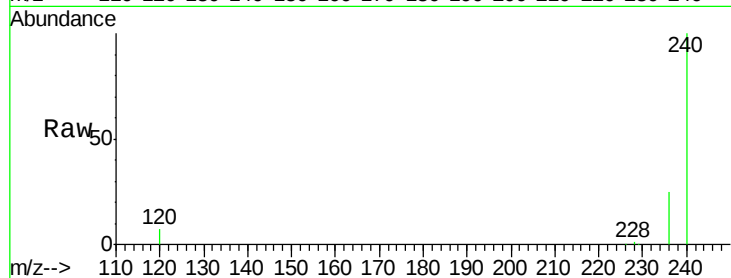
Tgt Ion:240 Resp: 112089

Ion Ratio Lower Upper

240 100

120 6.6 14.9 22.3#

236 24.5 24.2 36.4



#20

Pyrene

Concen: 0.21 ng

RT: 19.45 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

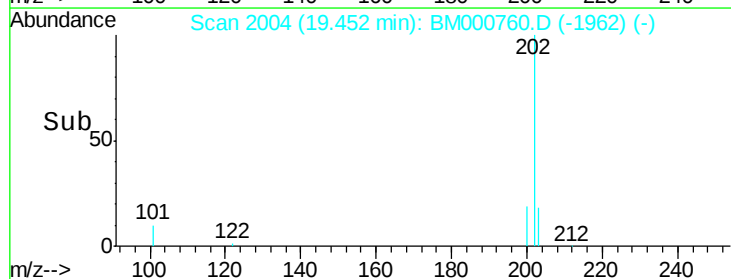
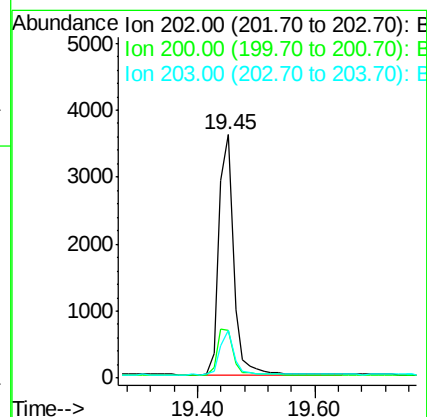
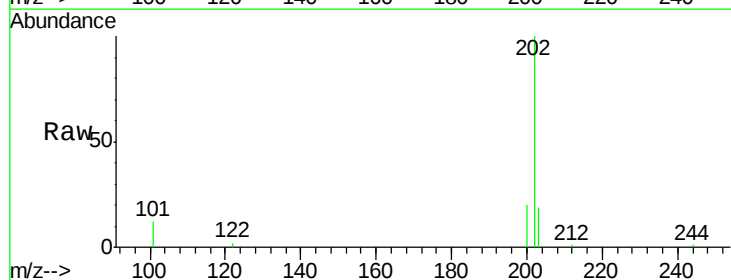
Tgt Ion:202 Resp: 6114

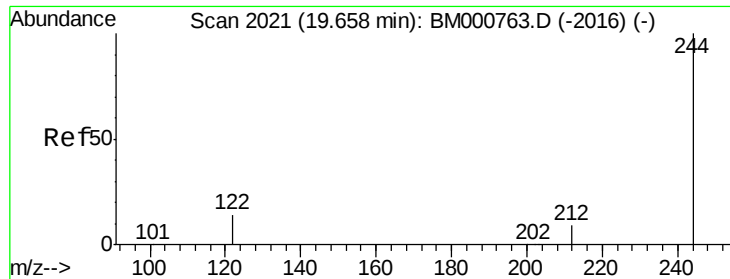
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 17.7 13.9 20.9

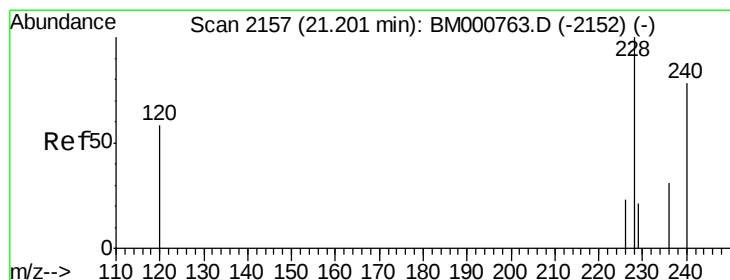
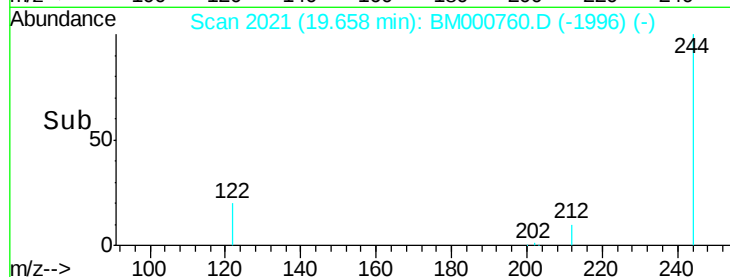
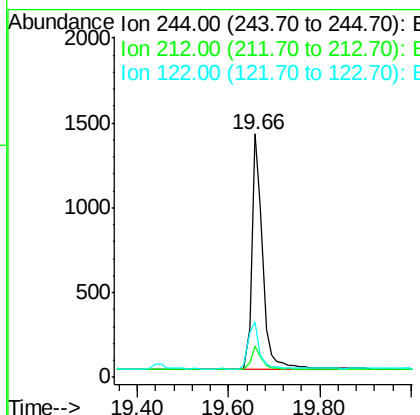
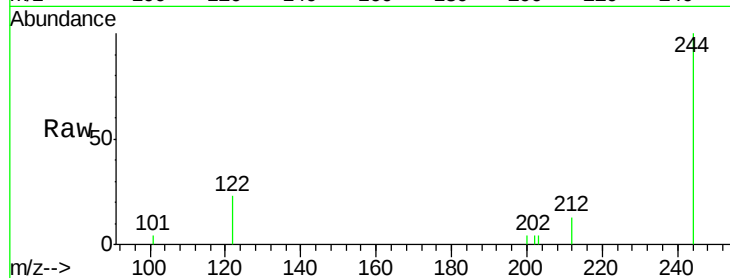




#21
 Terphenyl-d14
 Concen: 0.14 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BM000760.D
 Acq: 31 Mar 2015 19:28

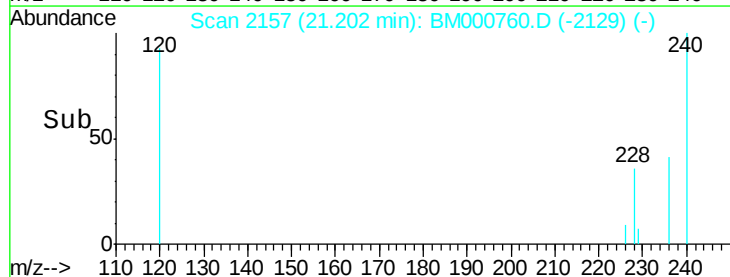
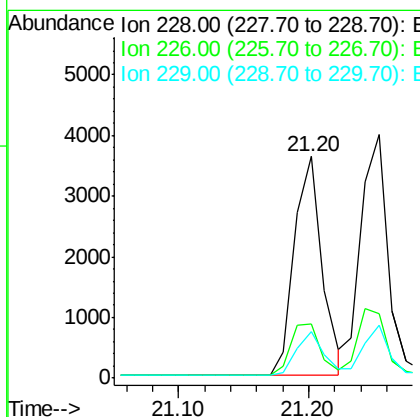
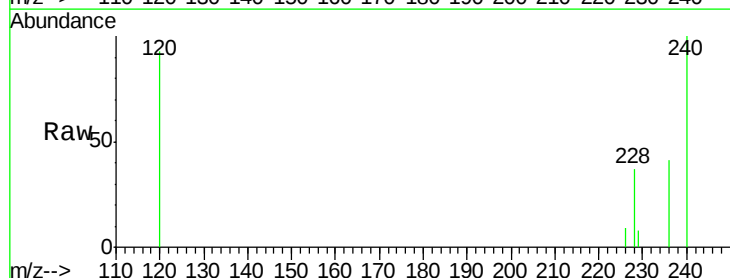
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

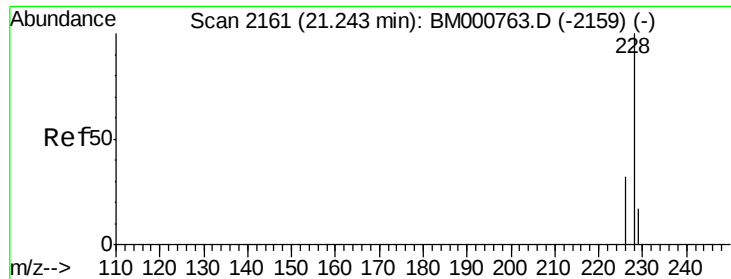
Tgt Ion:244 Resp: 2292
 Ion Ratio Lower Upper
 244 100
 212 13.0 7.8 11.6#
 122 22.9 11.8 17.8#



#22
 Benzo(a)anthracene
 Concen: 0.24 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BM000760.D
 Acq: 31 Mar 2015 19:28

Tgt Ion:228 Resp: 5322
 Ion Ratio Lower Upper
 228 100
 226 24.7 18.6 27.8
 229 21.0 17.2 25.8





#23

Chrysene

Concen: 0.26 ng

RT: 21.25 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

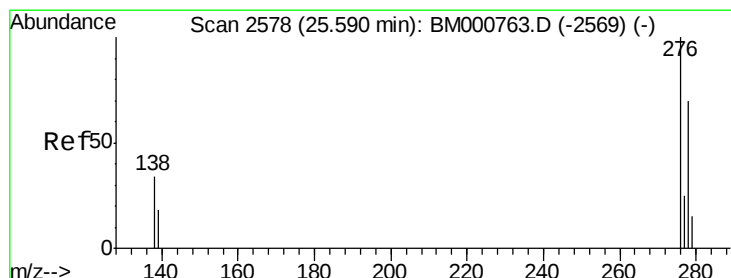
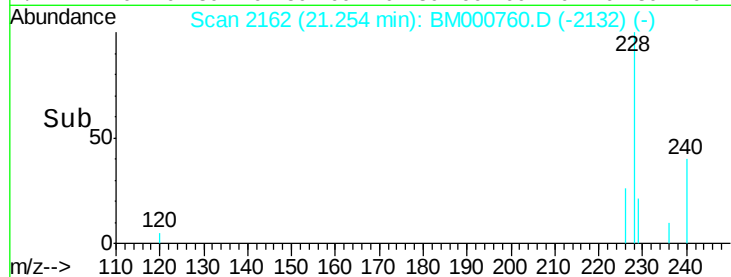
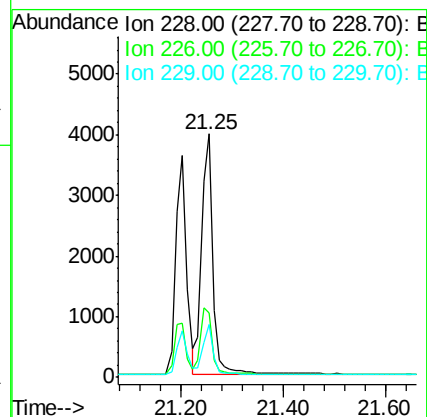
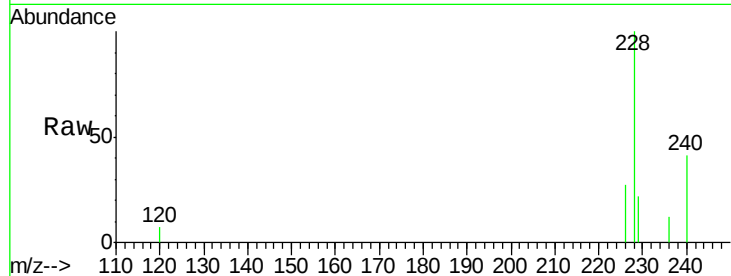
Tgt Ion:228 Resp: 6038

Ion Ratio Lower Upper

228 100

226 26.7 25.8 38.8

229 22.0 13.8 20.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.35 ng

RT: 25.59 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

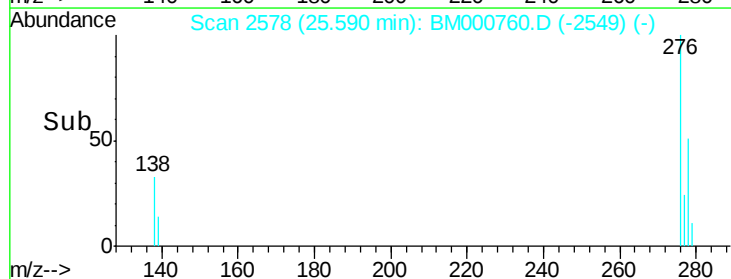
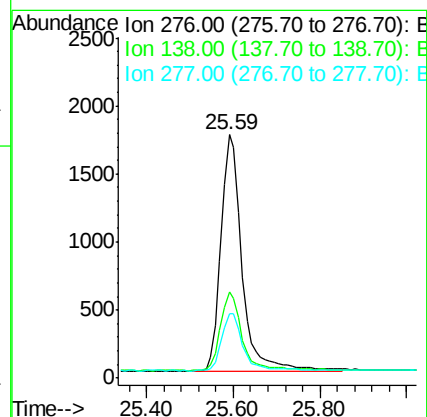
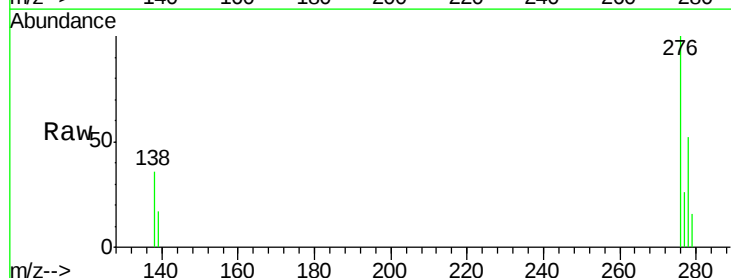
Tgt Ion:276 Resp: 5879

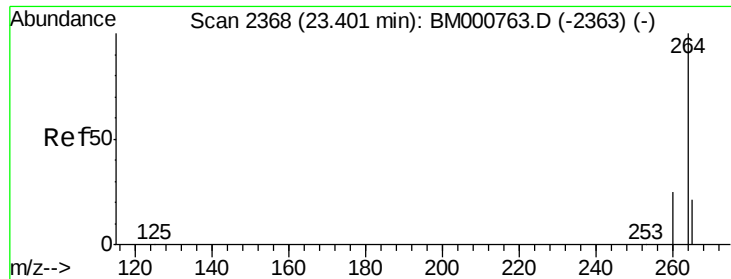
Ion Ratio Lower Upper

276 100

138 34.0 27.4 41.2

277 24.4 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: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

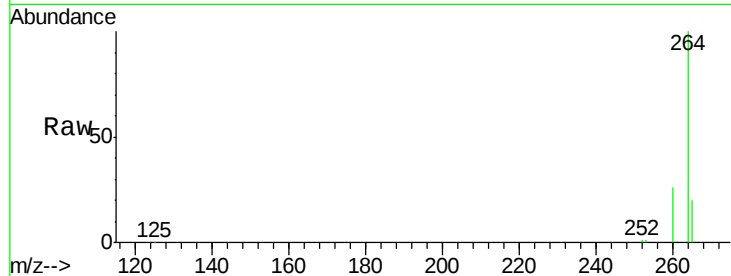
Tgt Ion:264 Resp: 103507

Ion Ratio Lower Upper

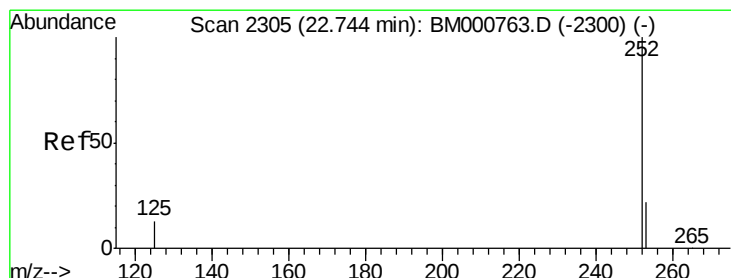
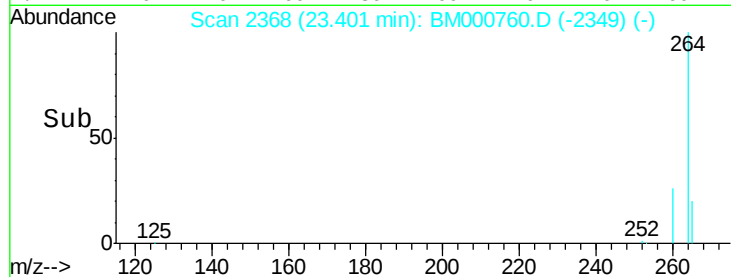
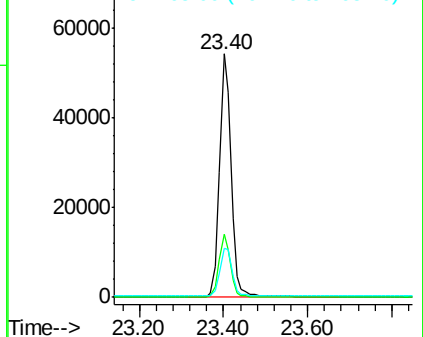
264 100

260 25.8 20.1 30.1

265 20.4 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: 0.26 ng

RT: 22.74 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

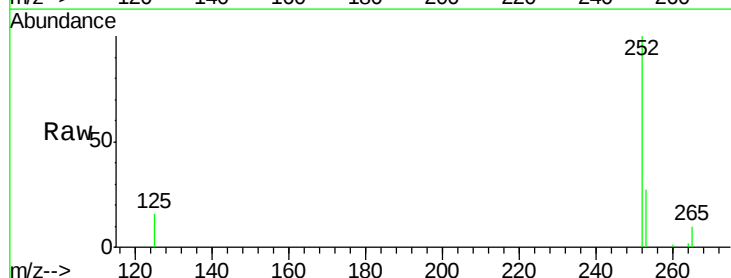
Tgt Ion:252 Resp: 5148

Ion Ratio Lower Upper

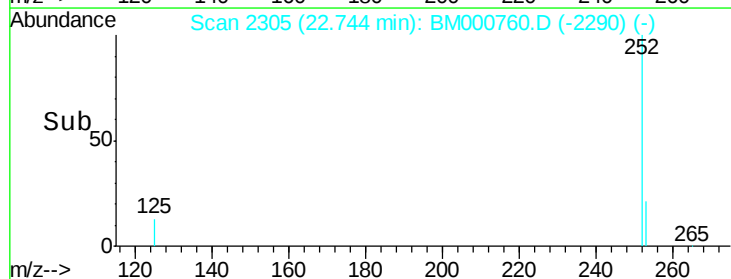
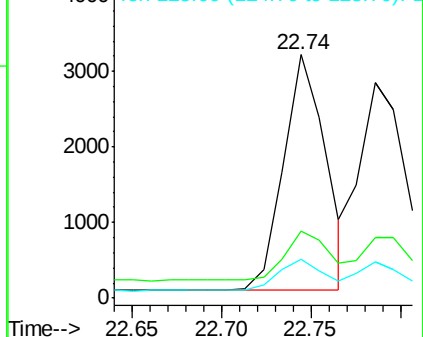
252 100

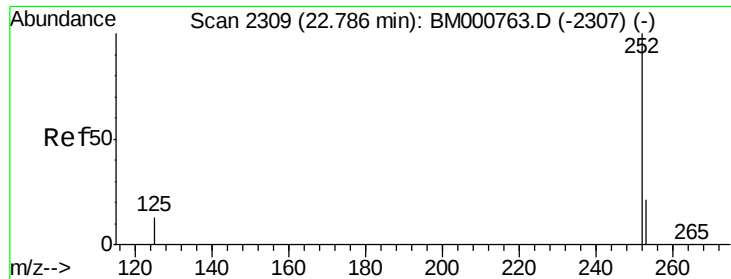
253 27.4 18.5 27.7

125 16.0 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: 0.24 ng

RT: 22.79 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

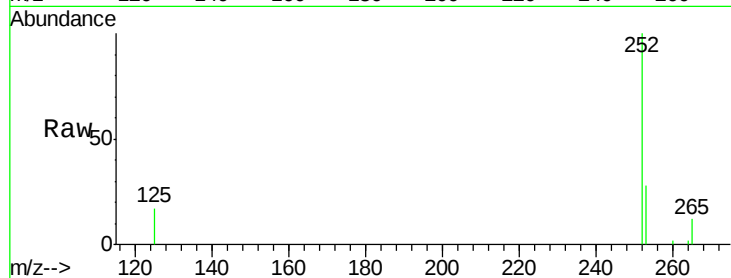
Tgt Ion:252 Resp: 5543

Ion Ratio Lower Upper

252 100

253 28.1 17.9 26.9#

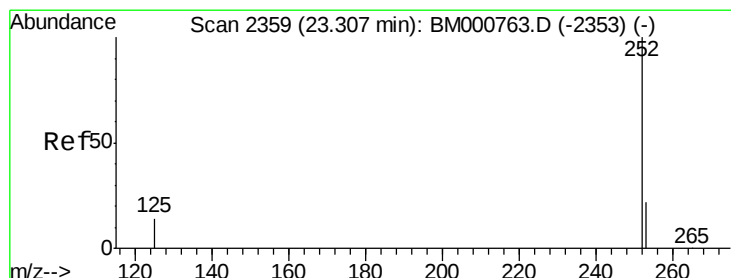
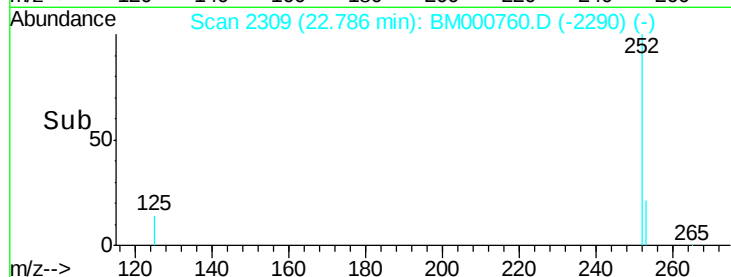
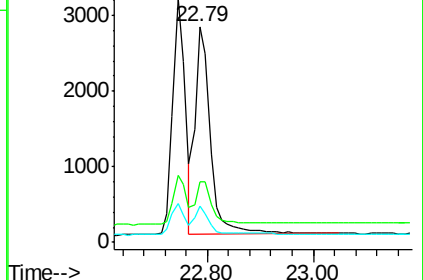
125 16.6 10.8 16.2#



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: 0.26 ng

RT: 23.31 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

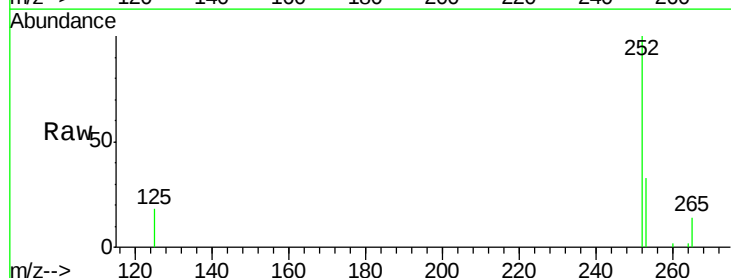
Tgt Ion:252 Resp: 4524

Ion Ratio Lower Upper

252 100

253 32.5 19.4 29.2#

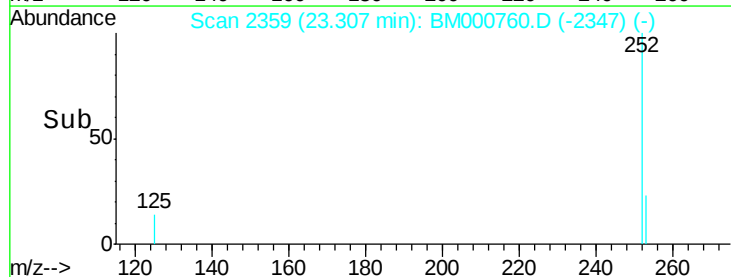
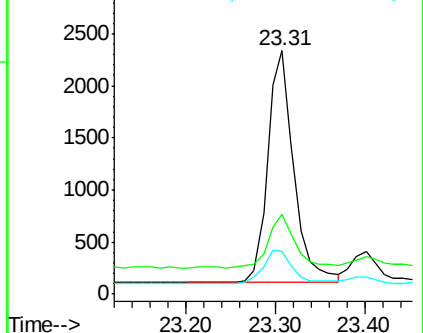
125 17.6 11.5 17.3#

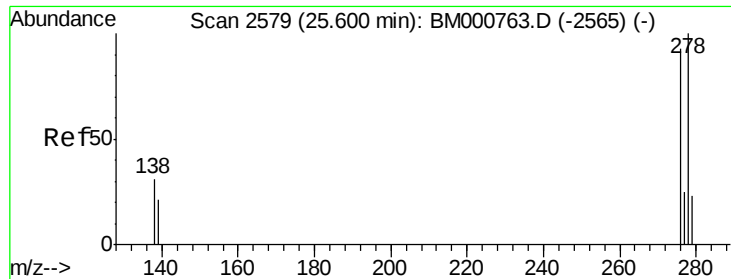


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.34 ng

RT: 25.61 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

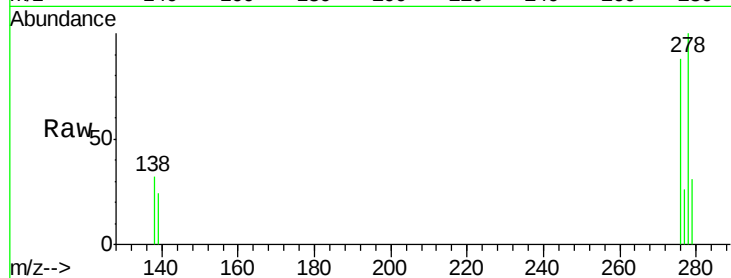
Tgt Ion: 278 Resp: 4528

Ion Ratio Lower Upper

278 100

139 24.1 17.8 26.6

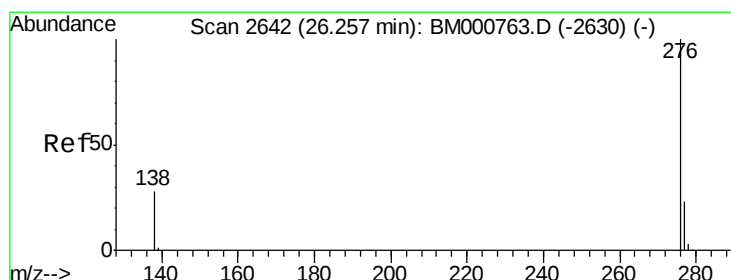
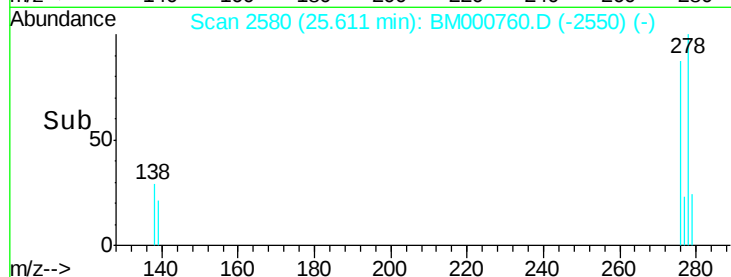
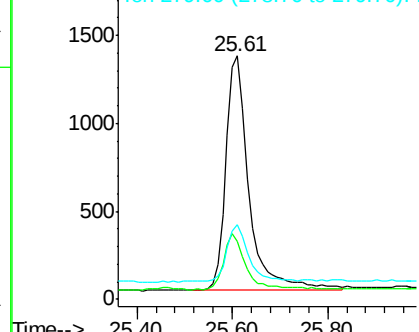
279 30.6 19.3 28.9#



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: 0.30 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000760.D

Acq: 31 Mar 2015 19:28

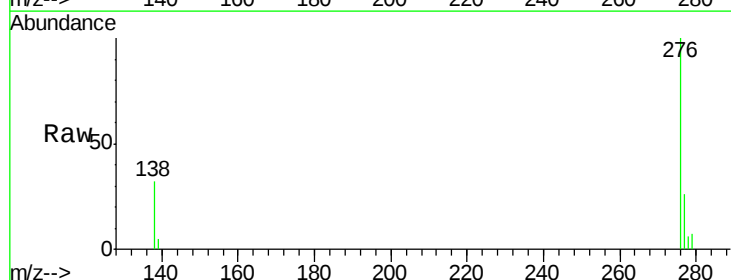
Tgt Ion: 276 Resp: 5113

Ion Ratio Lower Upper

276 100

277 26.0 19.1 28.7

138 31.9 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

