

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040215\
 Data File : BM000806.D
 Acq On : 02 Apr 2015 10:22
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 03 02:04:29 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

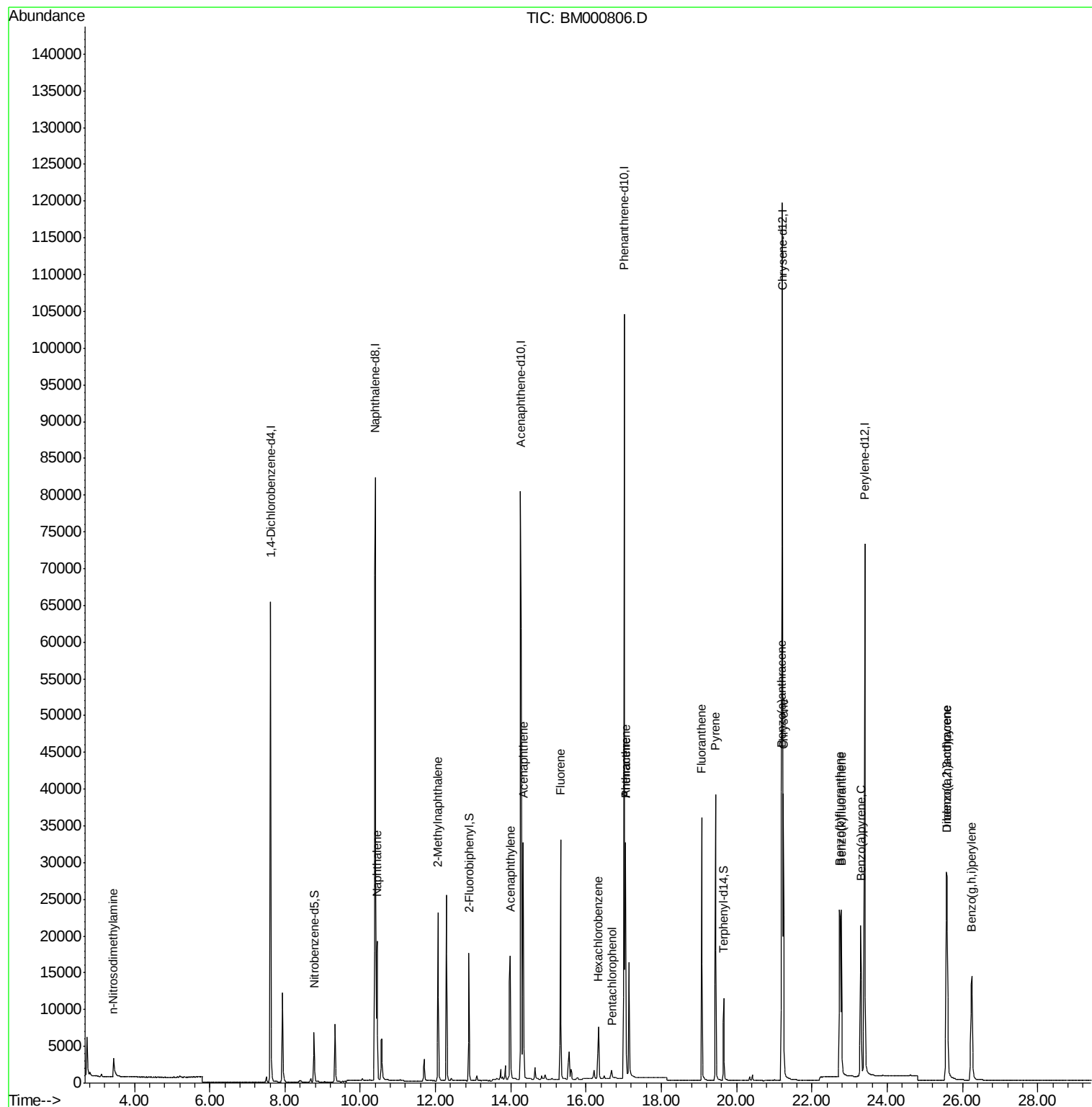
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	32988	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	115766	5.00	ng	0.00
8) Acenaphthene-d10	14.26	164	56967	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	128986	5.00	ng	0.00
19) Chrysene-d12	21.21	240	104195	5.00	ng	0.00
25) Perylene-d12	23.40	264	97125	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	5815	0.99	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	18412	1.04	ng	0.00
21) Terphenyl-d14	19.66	244	13069	1.04	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.44	42	3184	0.99	ng	# 99
6) Naphthalene	10.45	128	27778	1.03	ng	98
7) 2-Methylnaphthalene	12.07	142	17607	1.04	ng	94
10) Acenaphthylene	13.99	152	26143	1.04	ng	100
11) Acenaphthene	14.33	154	17482	1.00	ng	100
12) Fluorene	15.32	166	20782	1.06	ng	100
14) Hexachlorobenzene	16.33	284	7402	0.98	ng	# 96
15) Pentachlorophenol	16.68	266	1177	0.95	ng	96
16) Phenanthrene	17.05	178	34259	0.97	ng	99
17) Anthracene	17.05	178	34259	1.16	ng	100
18) Fluoranthene	19.08	202	33404	0.96	ng	100
20) Pyrene	19.44	202	35216	1.04	ng	99
22) Benzo(a)anthracene	21.19	228	30933	1.04	ng	# 91
23) Chrysene	21.24	228	32338	1.04	ng	97
24) Indeno(1,2,3-cd)pyrene	25.58	276	33637	1.04	ng	100
26) Benzo(b)fluoranthene	22.73	252	33402	1.09	ng	96
27) Benzo(k)fluoranthene	22.79	252	27818	0.95	ng	98
28) Benzo(a)pyrene	23.30	252	27542	1.05	ng	97
29) Dibenzo(a,h)anthracene	25.59	278	26340	1.02	ng	99
30) Benzo(g,h,i)perylene	26.25	276	28228	1.01	ng	100

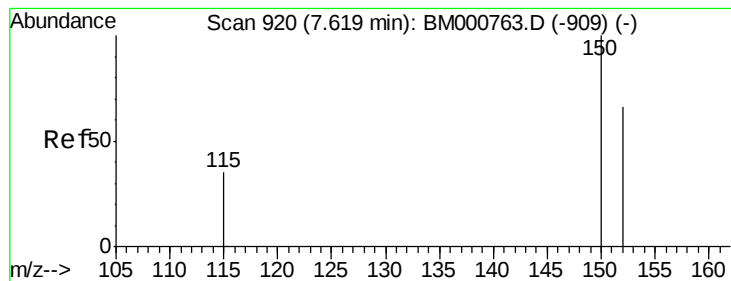
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
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Quant Time: Apr 03 02:04:29 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 919

Delta R.T. -0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

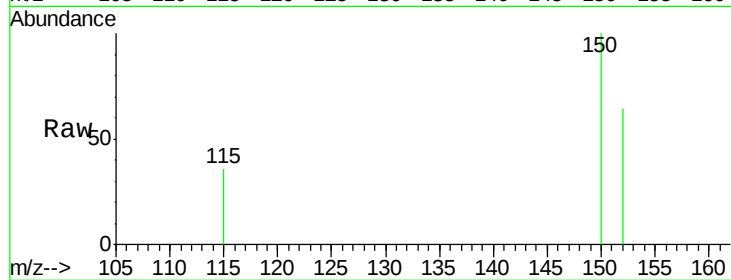
Tgt Ion:152 Resp: 32988

Ion Ratio Lower Upper

152 100

150 156.0 120.8 181.2

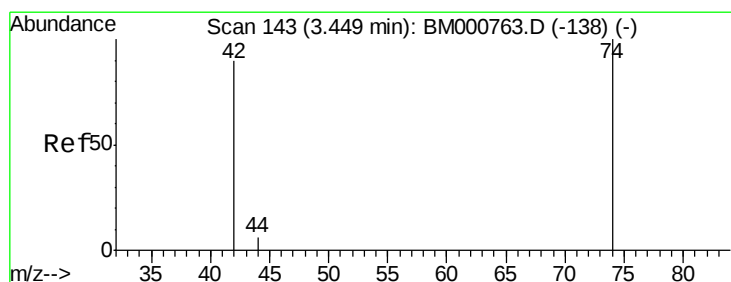
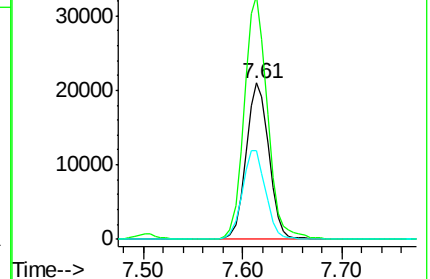
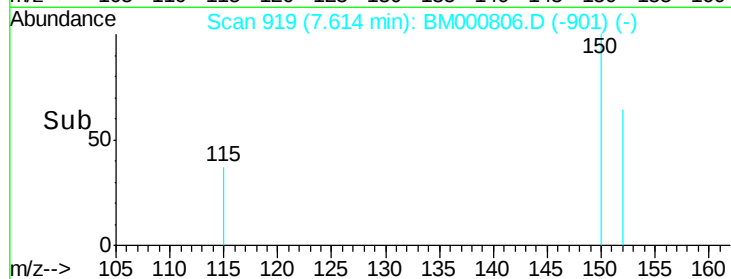
115 56.8 42.7 64.1



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: 0.99 ng

RT: 3.44 min Scan# 142

Delta R.T. -0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

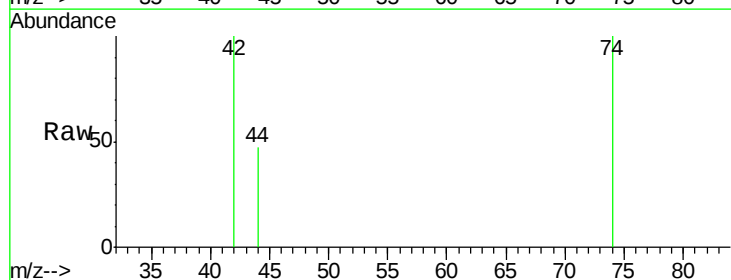
Tgt Ion: 42 Resp: 3184

Ion Ratio Lower Upper

42 100

74 116.3 93.6 140.4

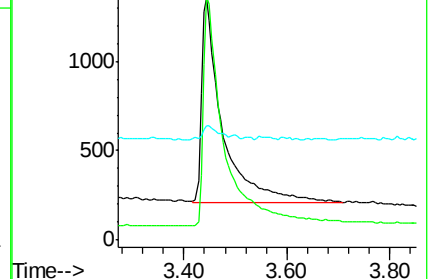
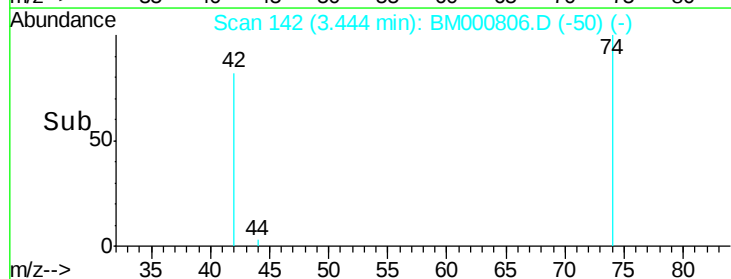
44 5.8 6.3 9.5#

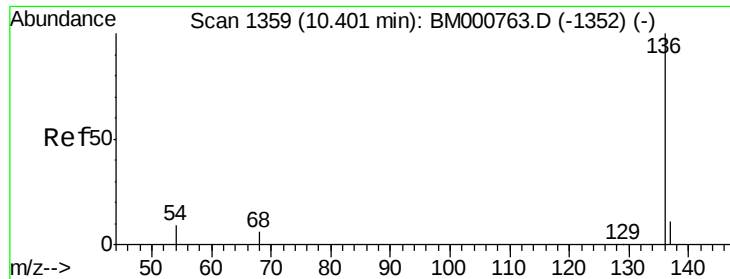


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

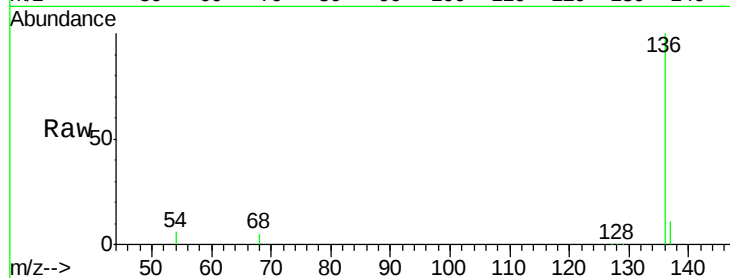
Tgt Ion:136 Resp: 115766

Ion Ratio Lower Upper

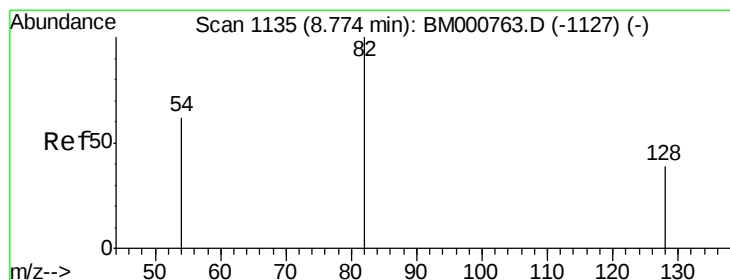
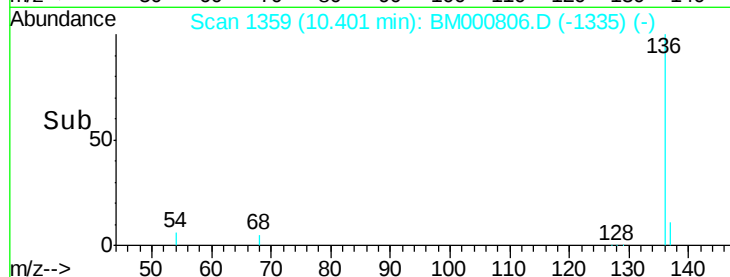
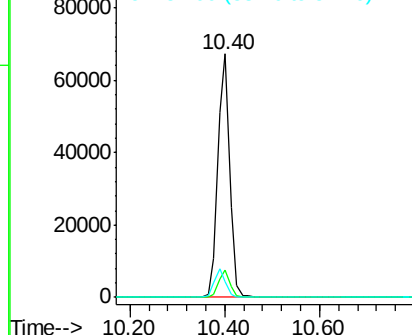
136 100

137 11.1 8.6 12.8

54 6.3 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: 0.99 ng

RT: 8.77 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

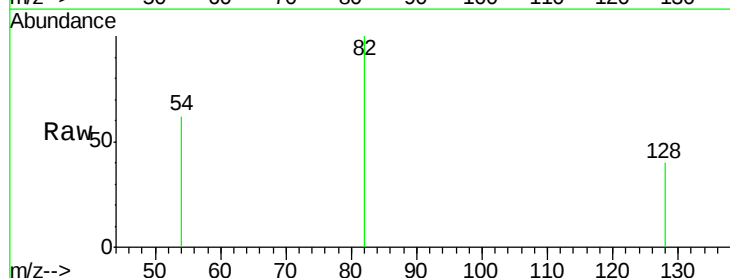
Tgt Ion: 82 Resp: 5815

Ion Ratio Lower Upper

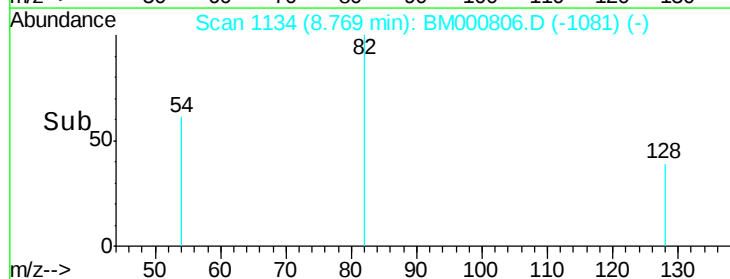
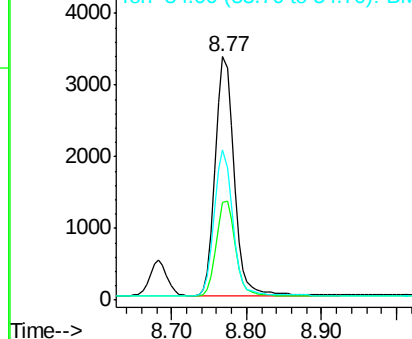
82 100

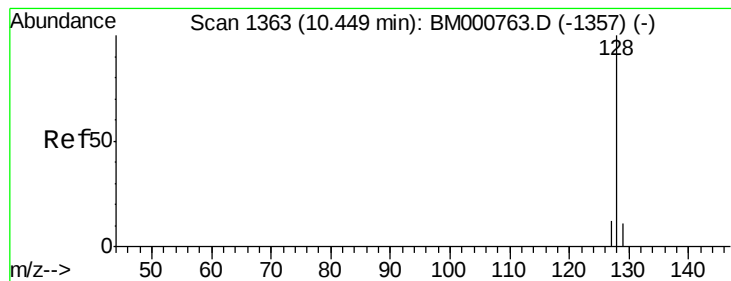
128 40.1 32.2 48.2

54 61.7 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: 1.03 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

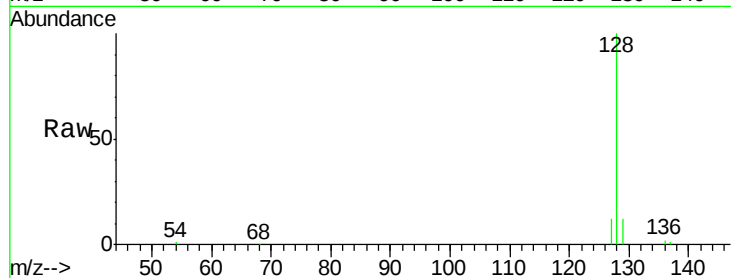
Tgt Ion:128 Resp: 27778

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

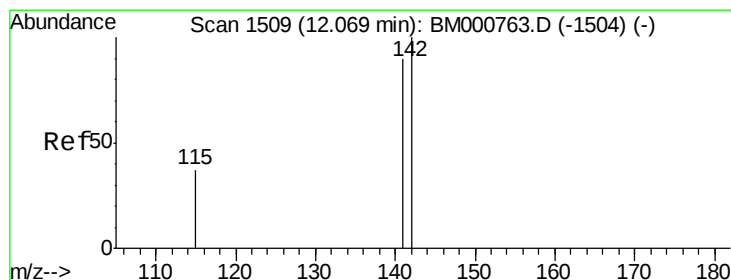
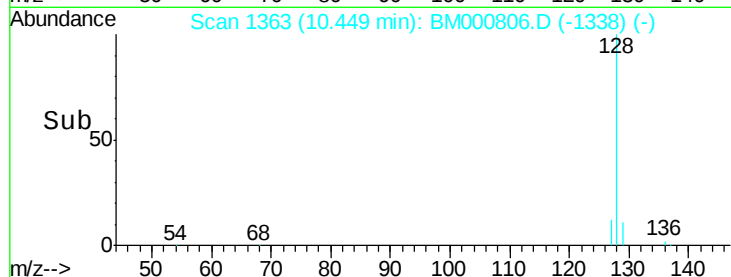
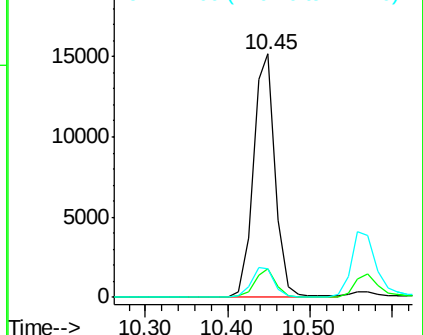
127 11.8 10.0 15.0



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: 1.04 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

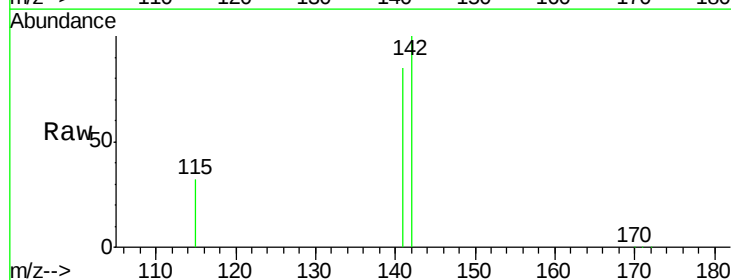
Tgt Ion:142 Resp: 17607

Ion Ratio Lower Upper

142 100

141 85.2 72.3 108.5

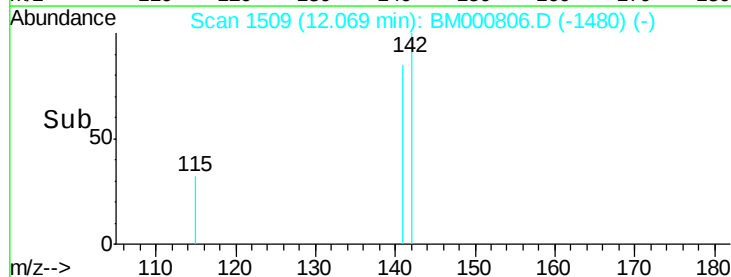
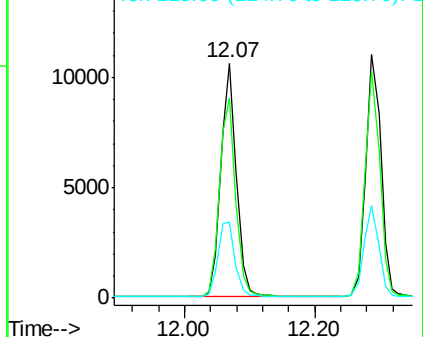
115 32.1 29.5 44.3



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: 14.26 min Scan# 1691

Delta R.T. -0.02 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

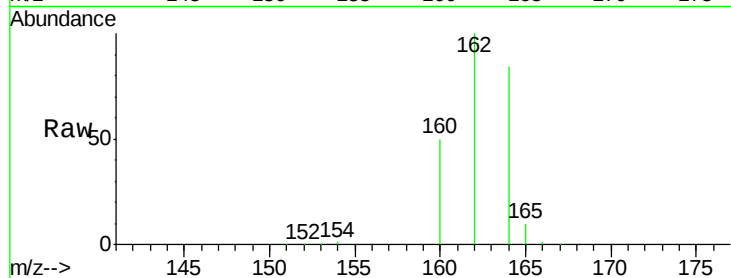
Tgt Ion:164 Resp: 56967

Ion Ratio Lower Upper

164 100

162 119.2 75.4 113.2#

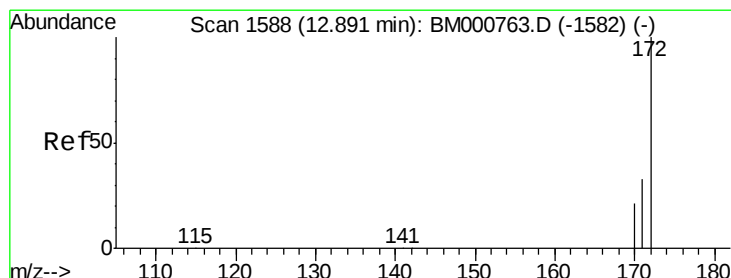
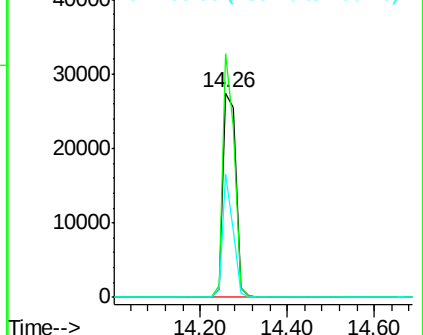
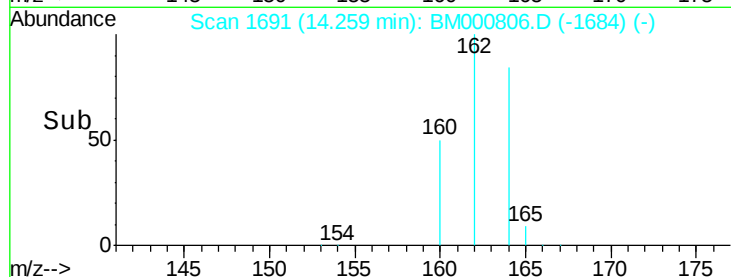
160 60.2 30.8 46.2#



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: 1.04 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

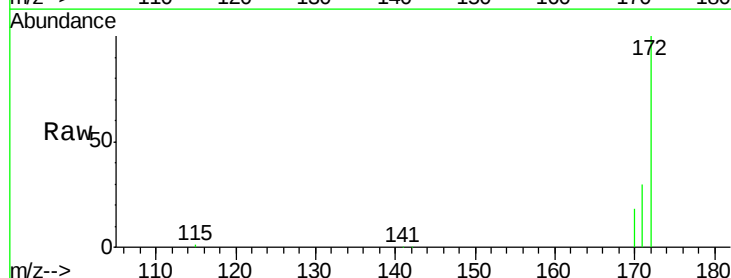
Tgt Ion:172 Resp: 18412

Ion Ratio Lower Upper

172 100

171 30.4 26.6 39.8

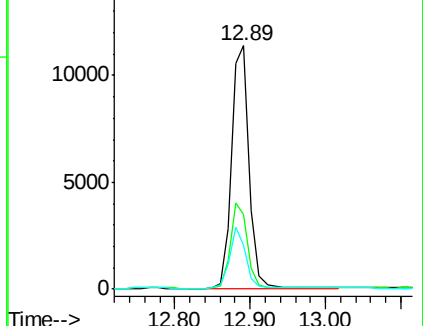
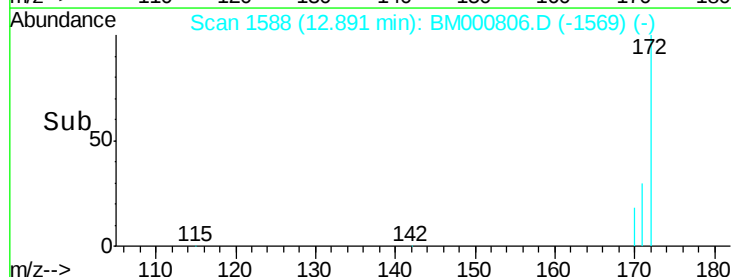
170 18.0 17.1 25.7



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: 1.04 ng

RT: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

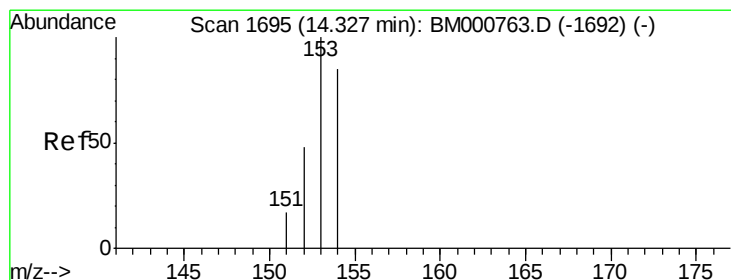
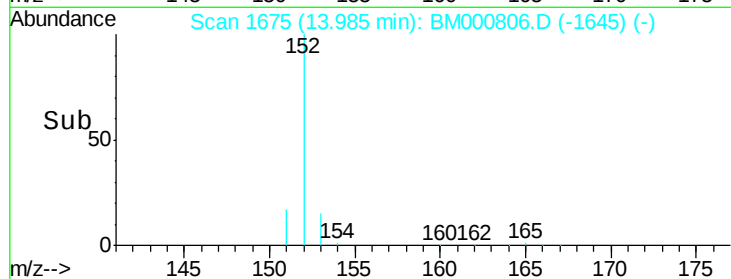
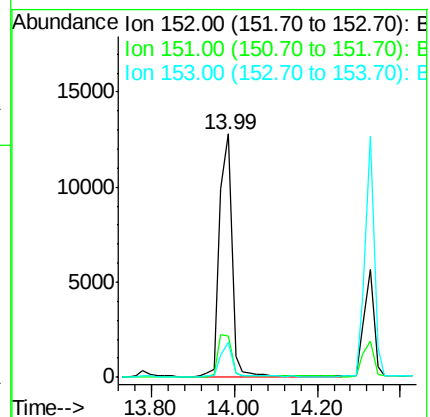
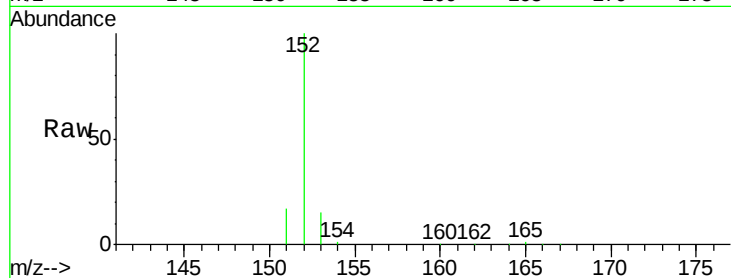
Tgt Ion:152 Resp: 26143

Ion Ratio Lower Upper

152 100

151 18.6 15.1 22.7

153 12.8 10.2 15.4



#11

Acenaphthene

Concen: 1.00 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

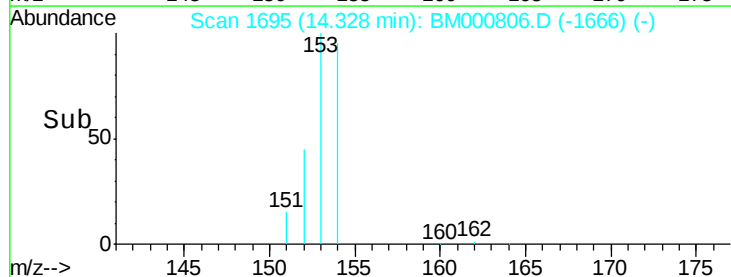
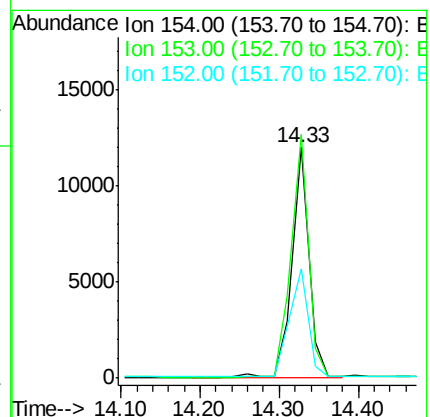
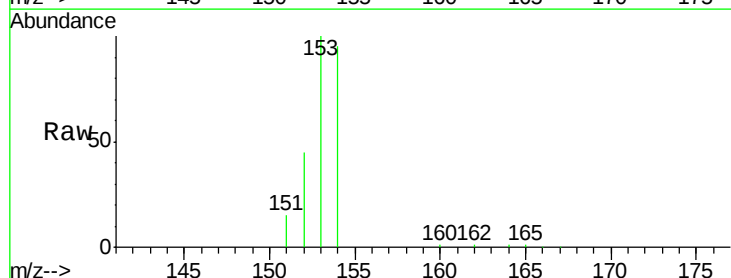
Tgt Ion:154 Resp: 17482

Ion Ratio Lower Upper

154 100

153 109.2 87.3 130.9

152 53.2 43.0 64.6





#12

Fluorene

Concen: 1.06 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

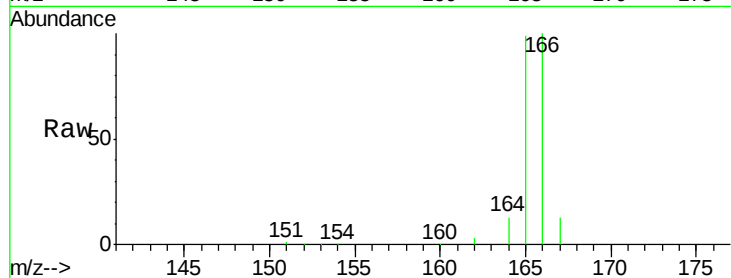
Tgt Ion:166 Resp: 20782

Ion Ratio Lower Upper

166 100

165 97.4 78.2 117.2

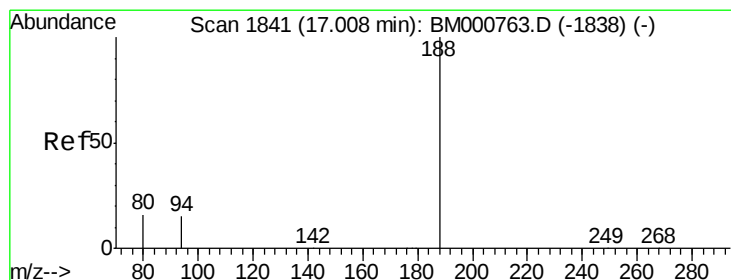
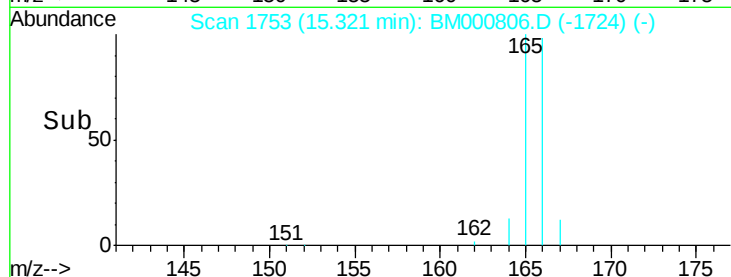
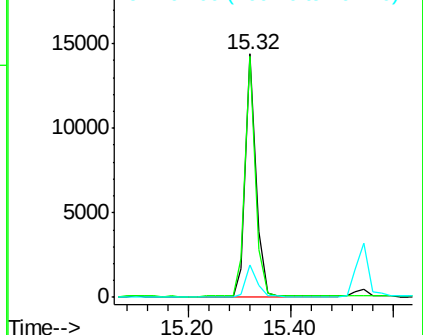
167 13.4 10.7 16.1



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: BM000806.D

Acq: 02 Apr 2015 10:22

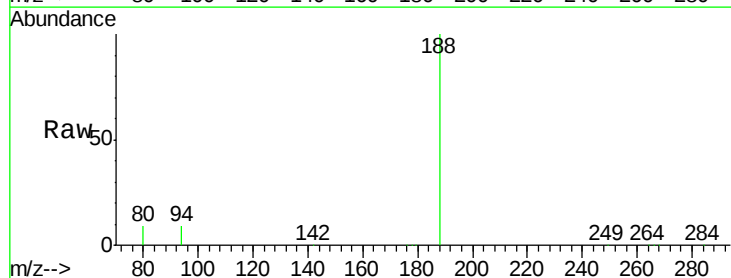
Tgt Ion:188 Resp: 128986

Ion Ratio Lower Upper

188 100

94 9.3 12.0 18.0#

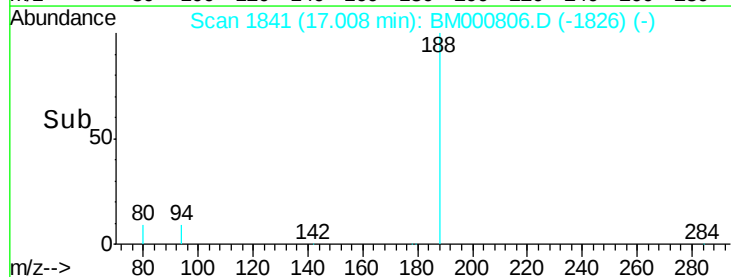
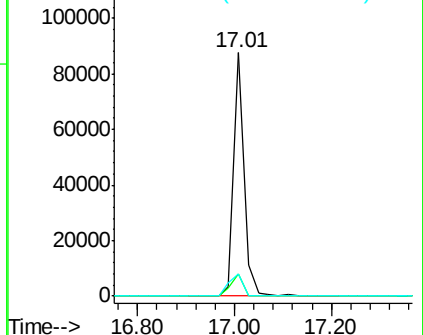
80 9.1 12.8 19.2#

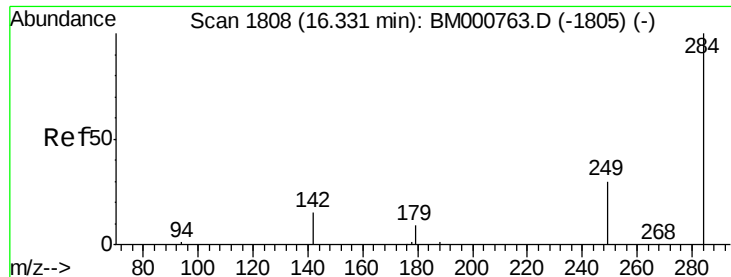


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

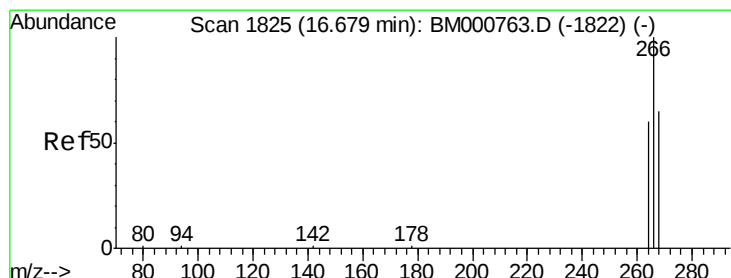
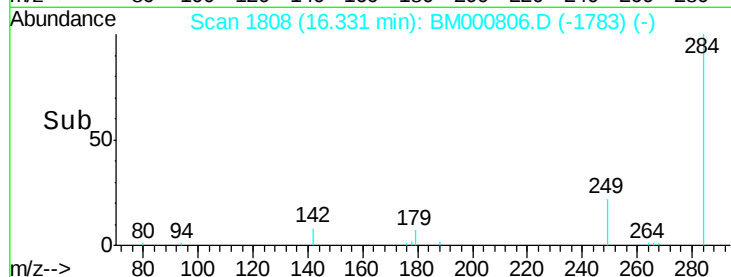
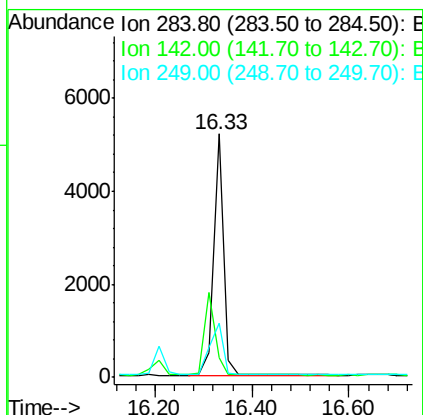
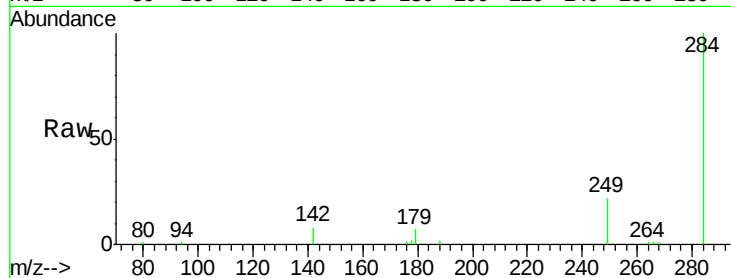




#14
Hexachlorobenzene
Concen: 0.98 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000806.D
Acq: 02 Apr 2015 10:22

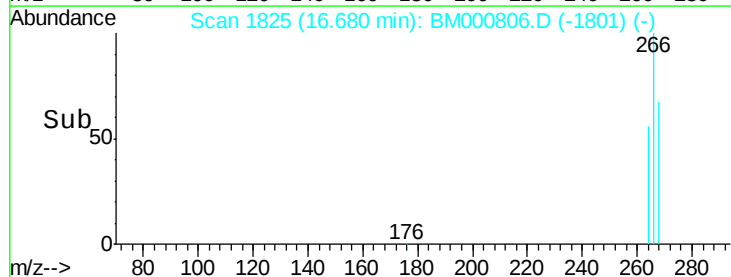
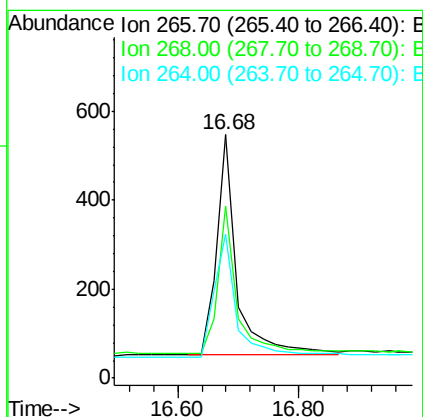
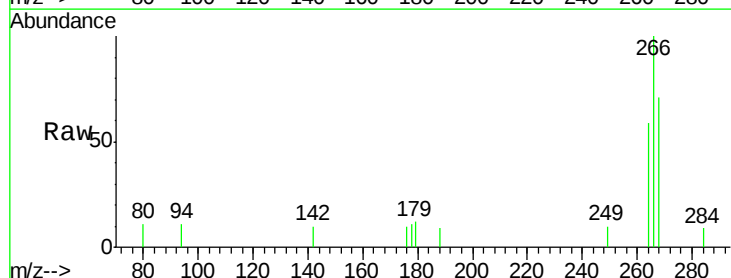
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

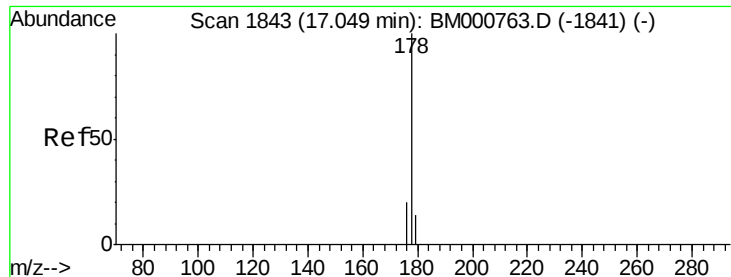
Tgt Ion: 284 Resp: 7402
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 29.1 25.2 37.8



#15
Pentachlorophenol
Concen: 0.95 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000806.D
Acq: 02 Apr 2015 10:22

Tgt Ion: 266 Resp: 1177
Ion Ratio Lower Upper
266 100
268 70.9 55.0 82.6
264 59.2 51.0 76.4





#16

Phenanthrene

Concen: 0.97 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

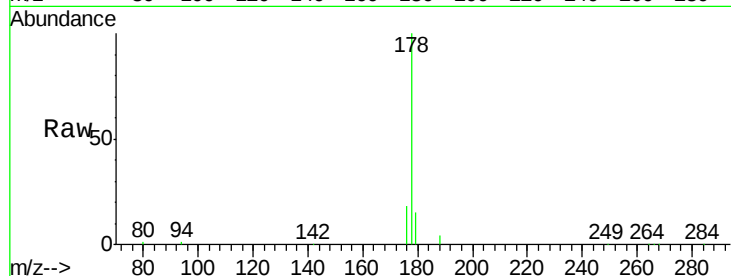
Tgt Ion:178 Resp: 34259

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

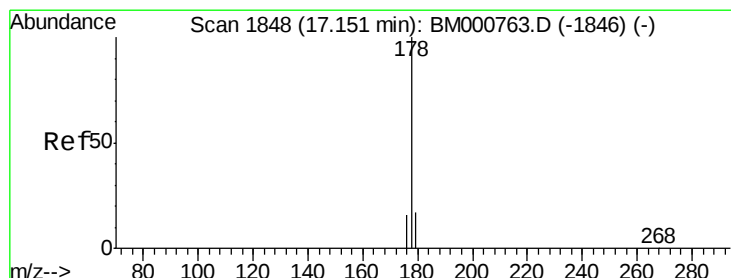
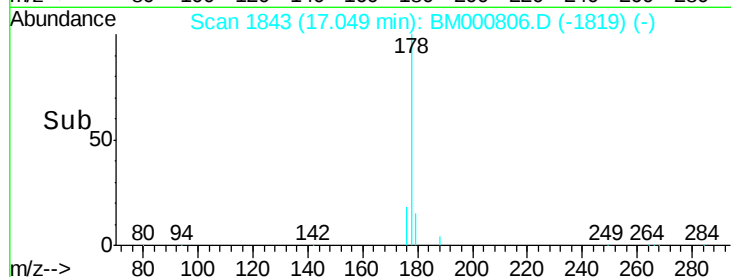
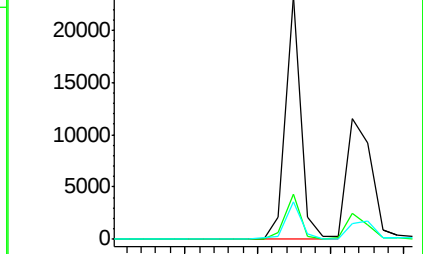
179 15.4 12.2 18.2



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: 1.16 ng

RT: 17.05 min Scan# 1843

Delta R.T. -0.10 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

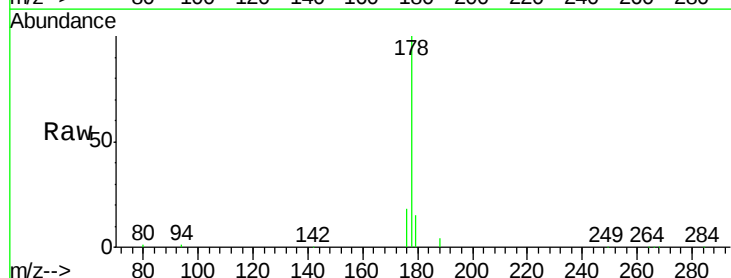
Tgt Ion:178 Resp: 34259

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

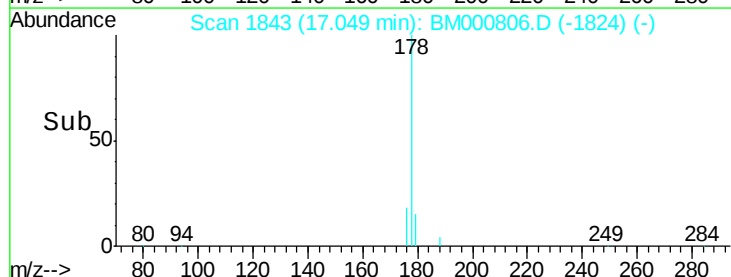
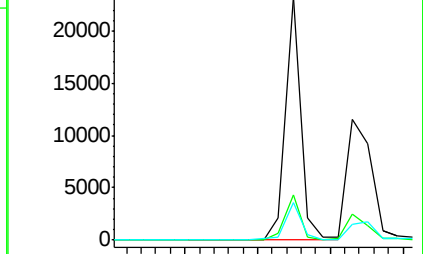
179 15.4 12.2 18.4



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

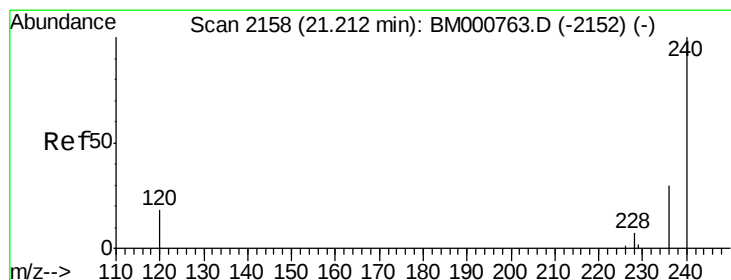
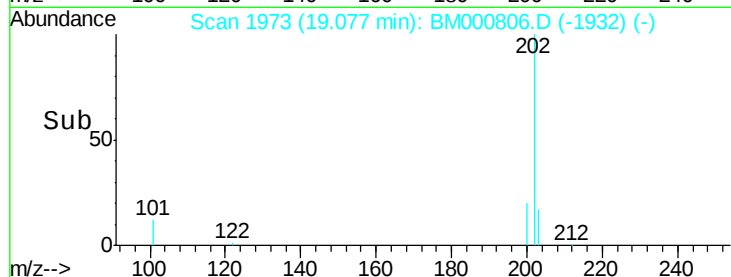
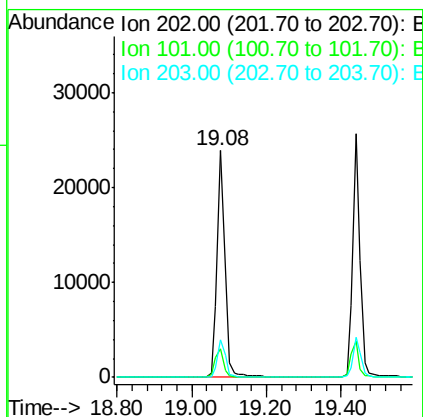
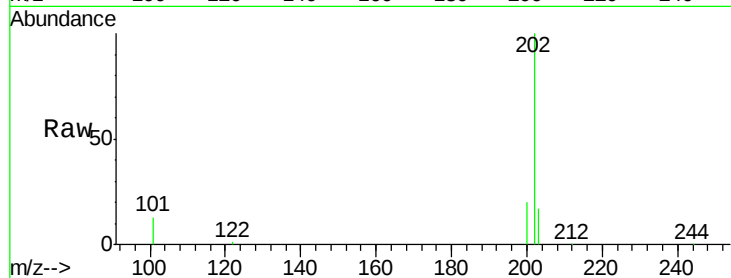




#18
 Fluoranthene
 Concen: 0.96 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000806.D
 Acq: 02 Apr 2015 10:22

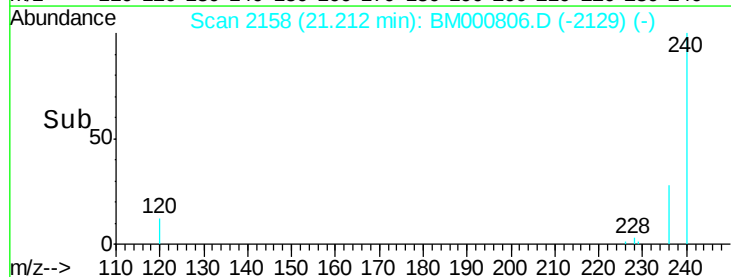
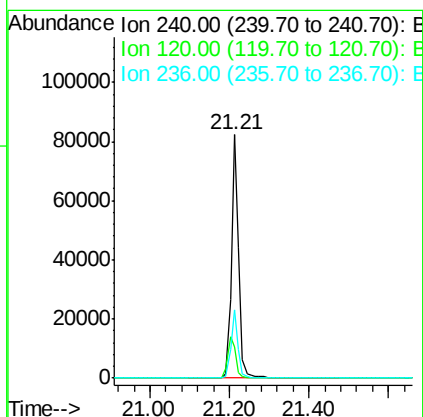
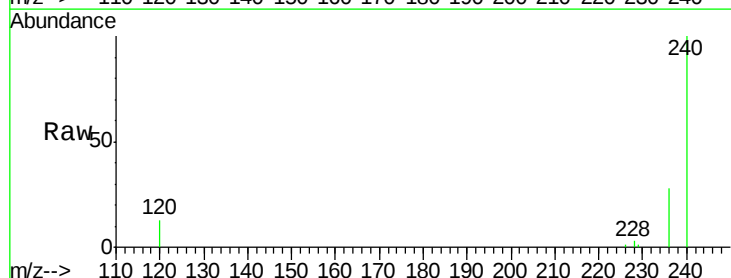
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

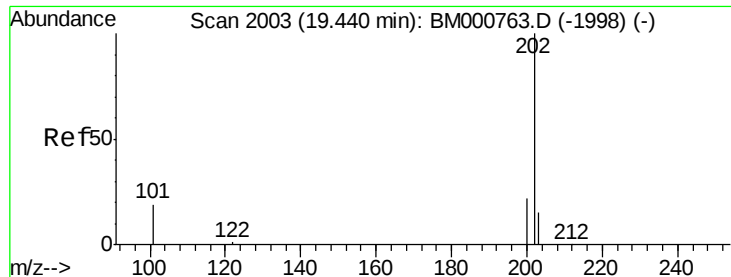
Tgt Ion:202 Resp: 33404
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.5 15.7
 203 17.4 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000806.D
 Acq: 02 Apr 2015 10:22

Tgt Ion:240 Resp: 104195
 Ion Ratio Lower Upper
 240 100
 120 12.6 14.9 22.3#
 236 27.9 24.2 36.4

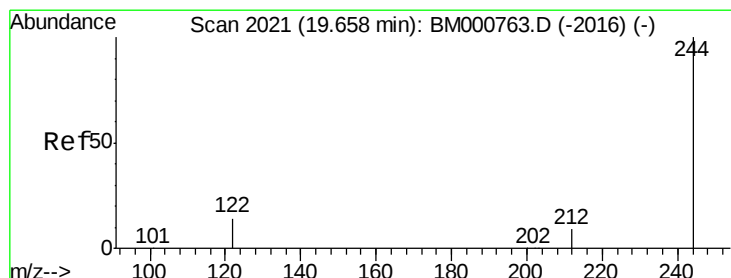
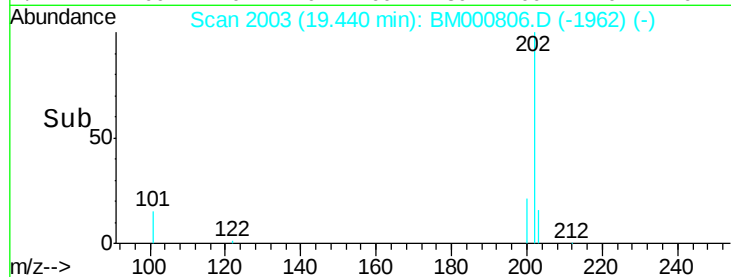
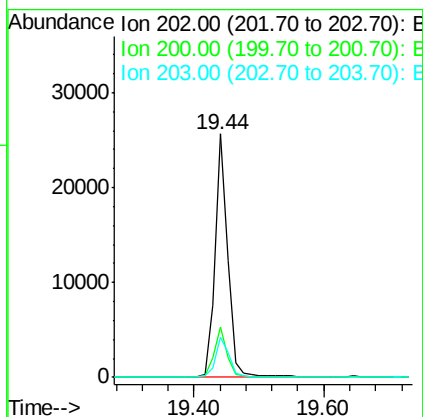
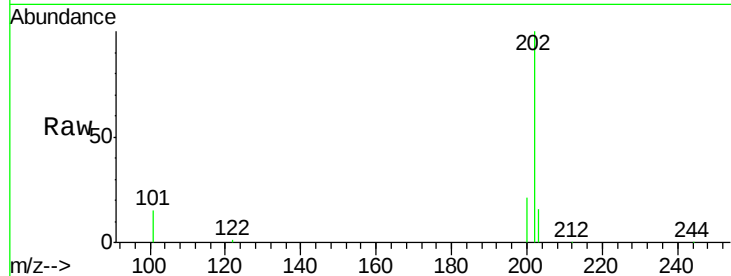




#20
Pyrene
Concen: 1.04 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000806.D
Acq: 02 Apr 2015 10:22

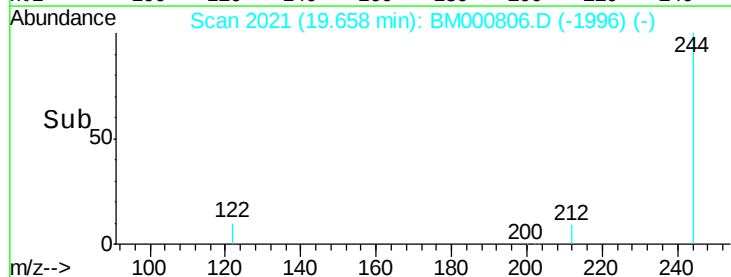
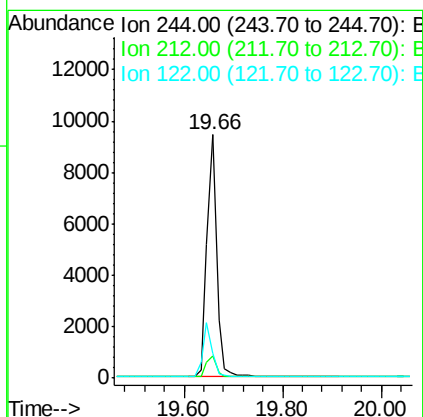
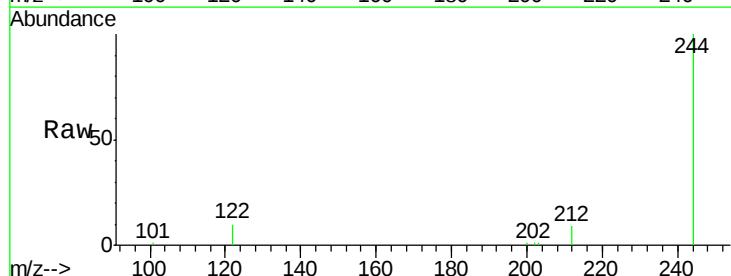
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 35216
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.1 13.9 20.9



#21
Terphenyl-d14
Concen: 1.04 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000806.D
Acq: 02 Apr 2015 10:22

Tgt Ion:244 Resp: 13069
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 10.2 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 1.04 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

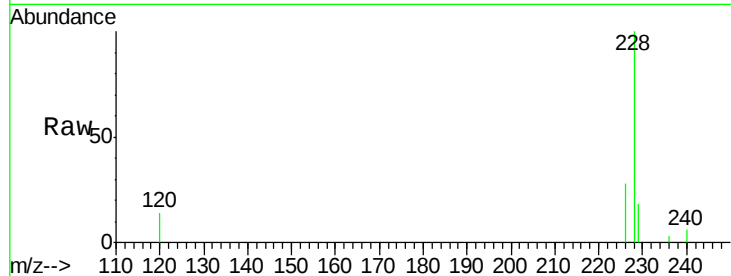
Tgt Ion:228 Resp: 30933

Ion Ratio Lower Upper

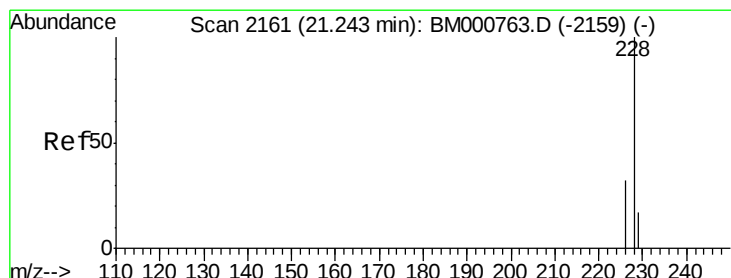
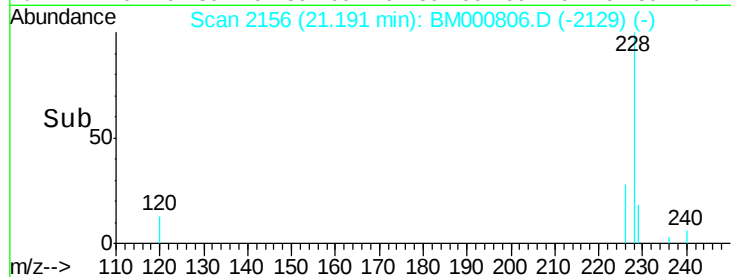
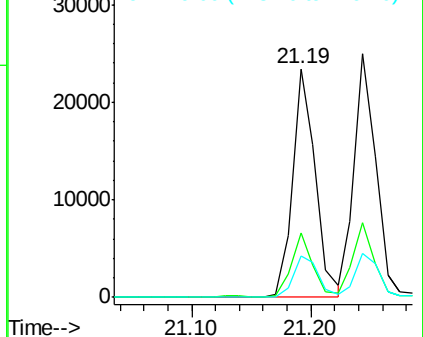
228 100

226 28.1 18.6 27.8#

229 18.2 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: 1.04 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

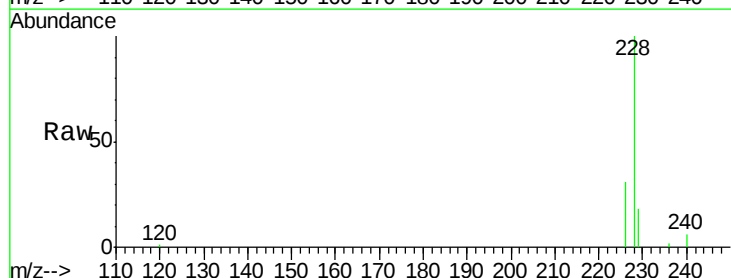
Tgt Ion:228 Resp: 32338

Ion Ratio Lower Upper

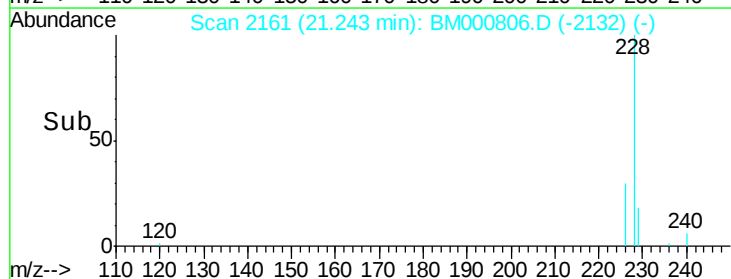
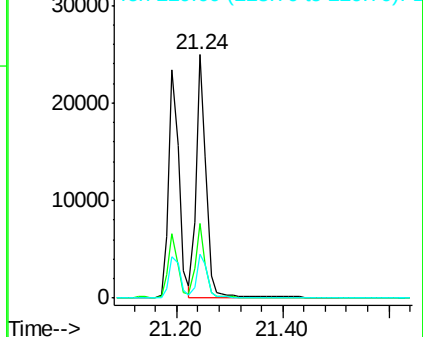
228 100

226 30.6 25.8 38.8

229 18.1 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: 1.04 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000806.D

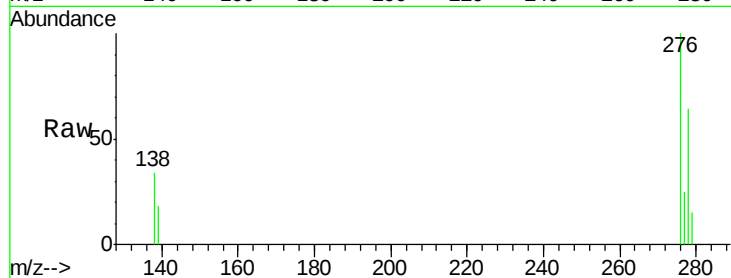
Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



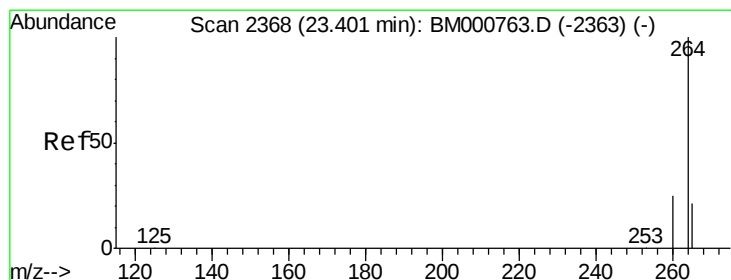
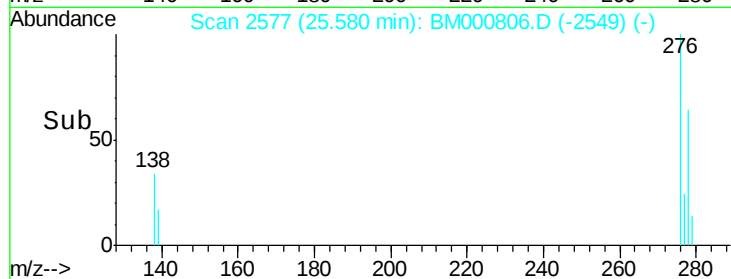
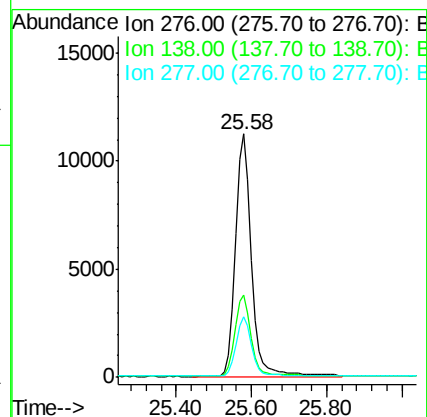
Tgt Ion:276 Resp: 33637

Ion Ratio Lower Upper

276 100

138 34.5 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: BM000806.D

Acq: 02 Apr 2015 10:22

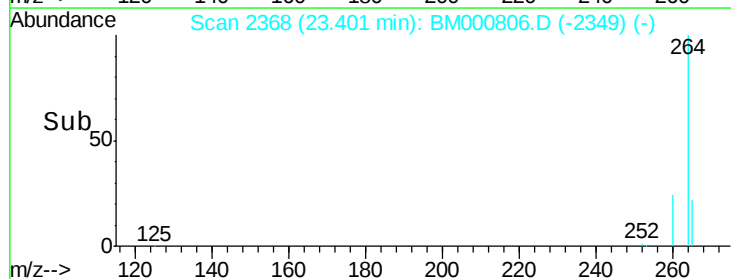
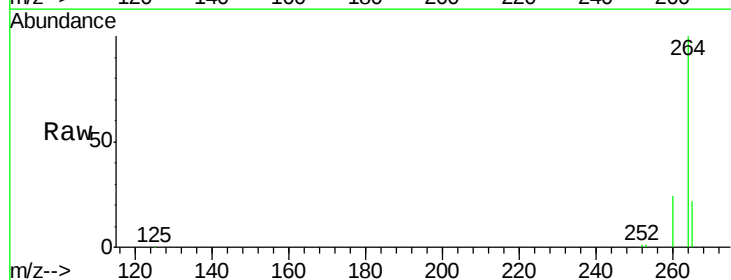
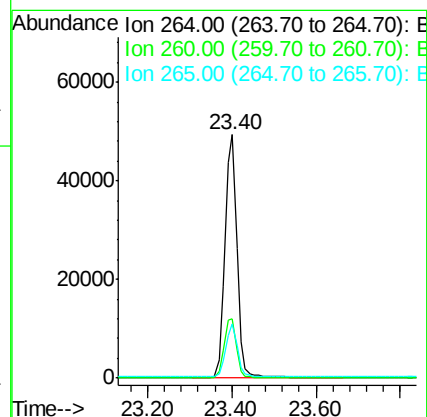
Tgt Ion:264 Resp: 97125

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 22.2 17.4 26.0





#26

Benzo(b)fluoranthene

Concen: 1.09 ng

RT: 22.73 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

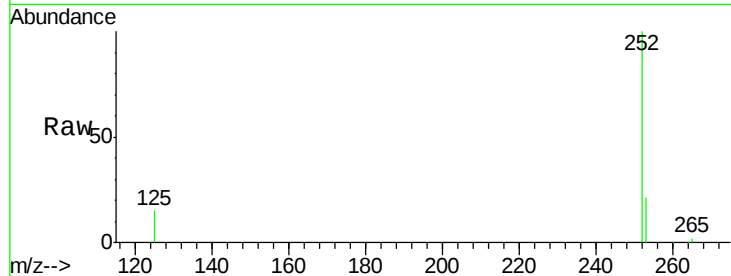
Tgt Ion:252 Resp: 33402

Ion Ratio Lower Upper

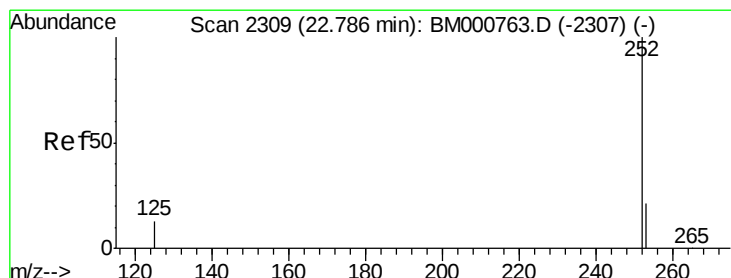
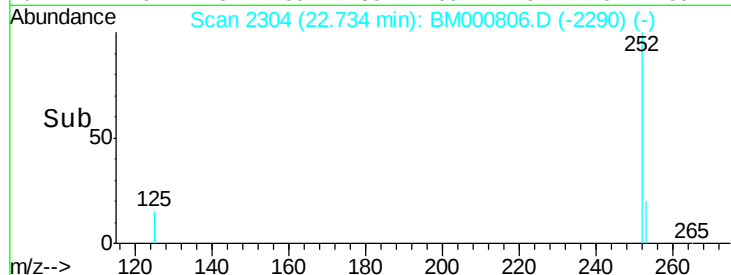
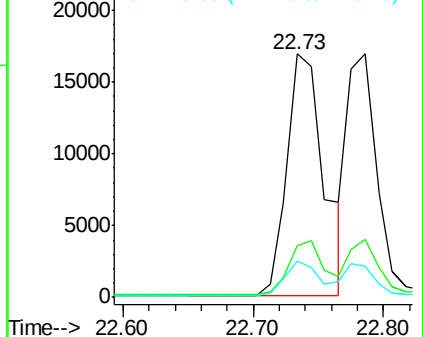
252 100

253 21.4 18.5 27.7

125 15.1 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: 0.95 ng

RT: 22.79 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

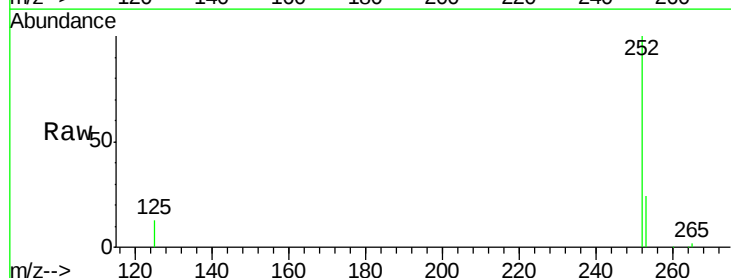
Tgt Ion:252 Resp: 27818

Ion Ratio Lower Upper

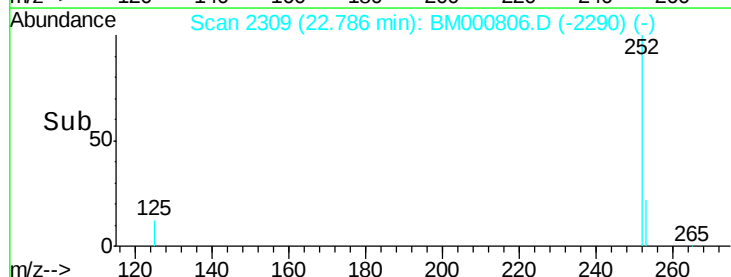
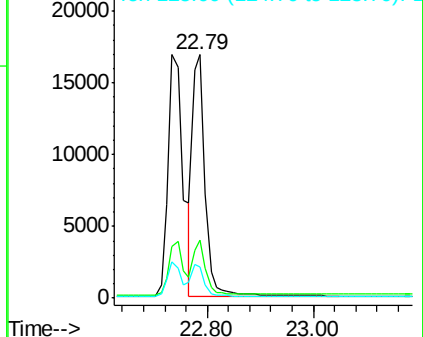
252 100

253 23.7 17.9 26.9

125 12.9 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: 1.05 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

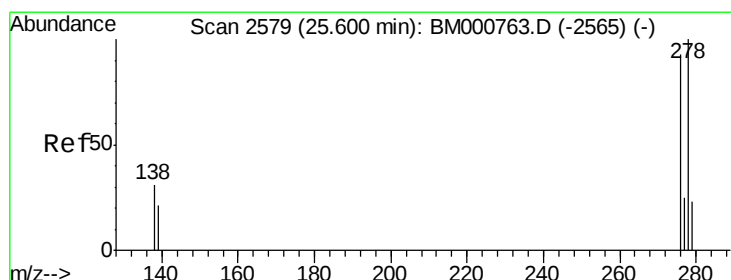
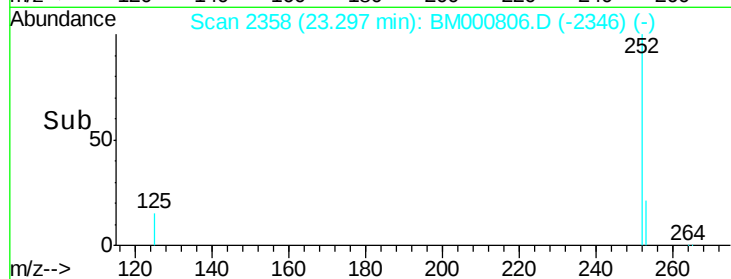
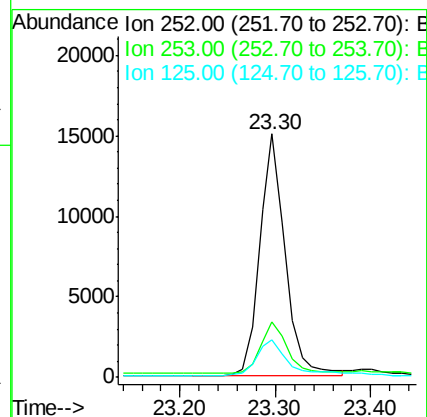
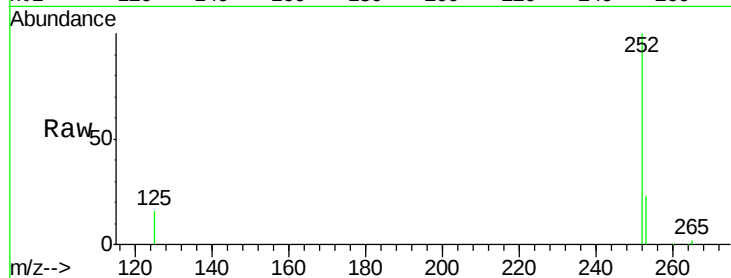
Tgt Ion:252 Resp: 27542

Ion Ratio Lower Upper

252 100

253 23.0 19.4 29.2

125 15.6 11.5 17.3



#29

Dibenzo(a,h)anthracene

Concen: 1.02 ng

RT: 25.59 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BM000806.D

Acq: 02 Apr 2015 10:22

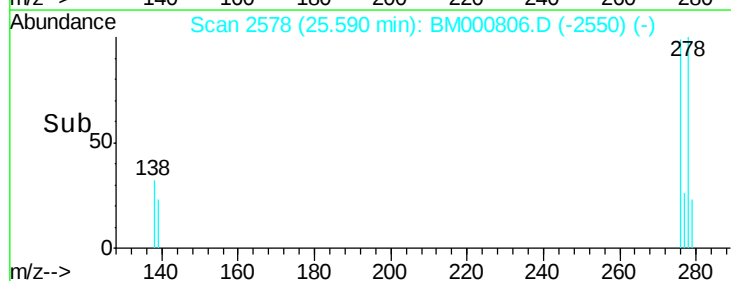
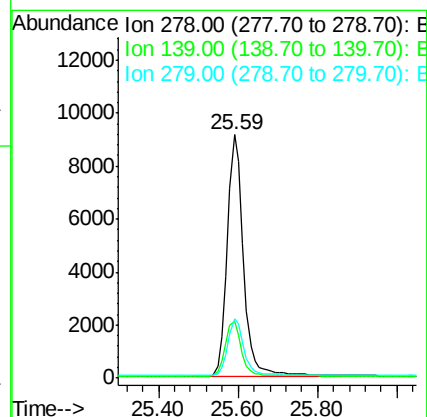
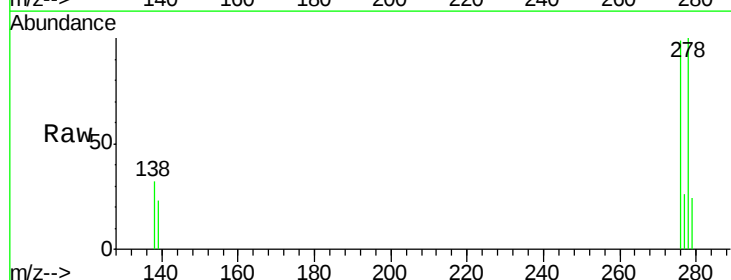
Tgt Ion:278 Resp: 26340

Ion Ratio Lower Upper

278 100

139 23.3 17.8 26.6

279 24.1 19.3 28.9





#30

Benzo(g,h,i)perylene

Concen: 1.01 ng

RT: 26.25 min Scan# 2641

Delta R.T. -0.01 min

Lab File: BM000806.D

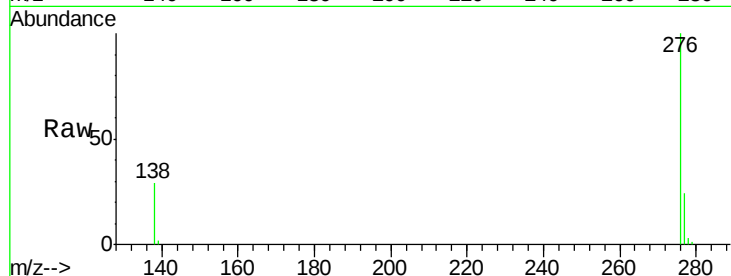
Acq: 02 Apr 2015 10:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



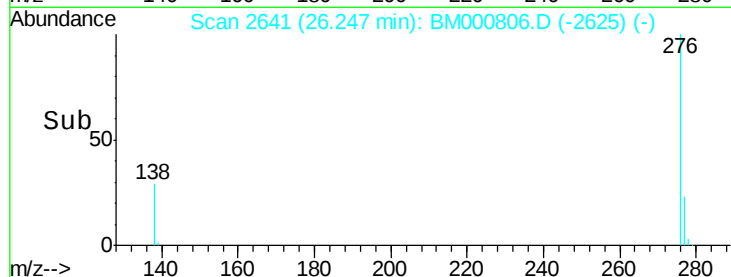
Tgt Ion: 276 Resp: 28228

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 29.2 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

