

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040215\
 Data File : BM000809.D
 Acq On : 02 Apr 2015 14:12
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 03 02:04:58 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

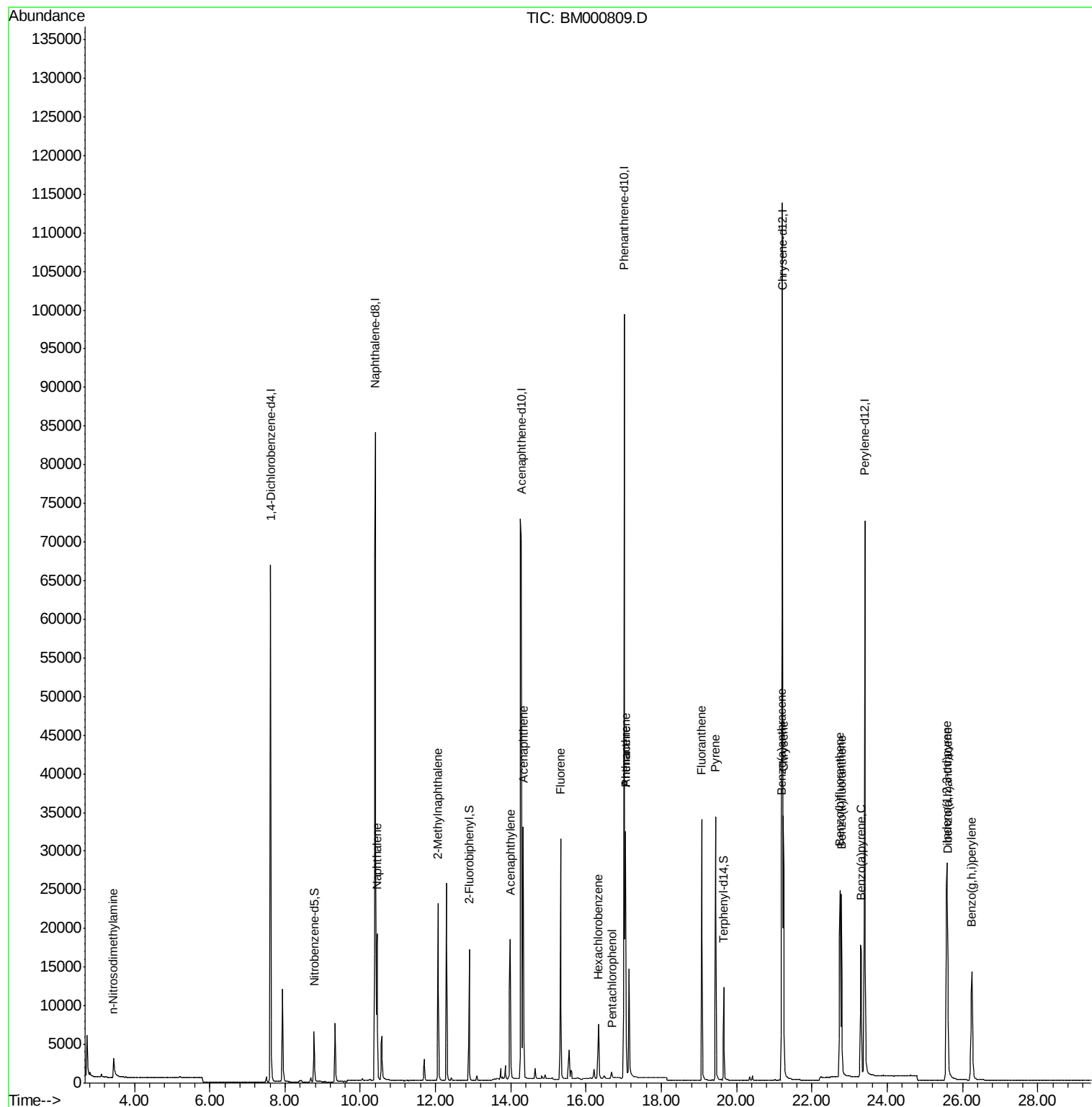
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	33557	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	116558	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	57285	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	124654	5.00	ng	0.00
19) Chrysene-d12	21.21	240	103504	5.00	ng	0.00
25) Perylene-d12	23.40	264	93845	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	5723	0.97	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	18386	1.03	ng	0.00
21) Terphenyl-d14	19.66	244	12865	1.03	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.44	42	3147	0.97	ng	99
6) Naphthalene	10.45	128	27781	1.03	ng	99
7) 2-Methylnaphthalene	12.07	142	17598	1.03	ng	94
10) Acenaphthylene	13.99	152	25654	1.01	ng	100
11) Acenaphthene	14.33	154	17511	1.00	ng	100
12) Fluorene	15.32	166	20383	1.04	ng	100
14) Hexachlorobenzene	16.33	284	7086	0.97	ng	# 98
15) Pentachlorophenol	16.68	266	806	0.78	ng	97
16) Phenanthrene	17.05	178	34121	1.00	ng	99
17) Anthracene	17.05	178	34121	1.19	ng	100
18) Fluoranthene	19.08	202	32458	0.96	ng	100
20) Pyrene	19.44	202	33867	1.00	ng	100
22) Benzo(a)anthracene	21.19	228	29128	0.99	ng	# 88
23) Chrysene	21.24	228	31596	1.02	ng	99
24) Indeno(1,2,3-cd)pyrene	25.58	276	32654	1.02	ng	99
26) Benzo(b)fluoranthene	22.74	252	30619	1.04	ng	100
27) Benzo(k)fluoranthene	22.79	252	28238	1.00	ng	99
28) Benzo(a)pyrene	23.30	252	25556	1.01	ng	96
29) Dibenzo(a,h)anthracene	25.60	278	25658	1.02	ng	98
30) Benzo(g,h,i)perylene	26.25	276	27735	1.03	ng	98

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

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Quant Time: Apr 03 02:04:58 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. -0.01 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

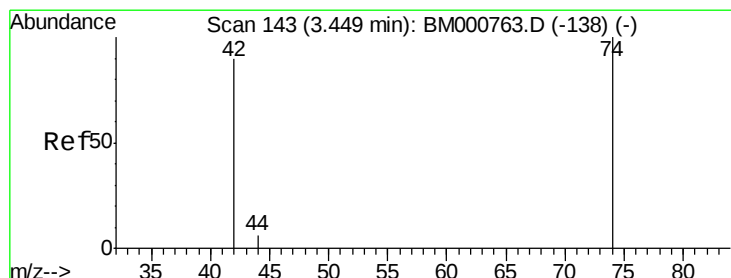
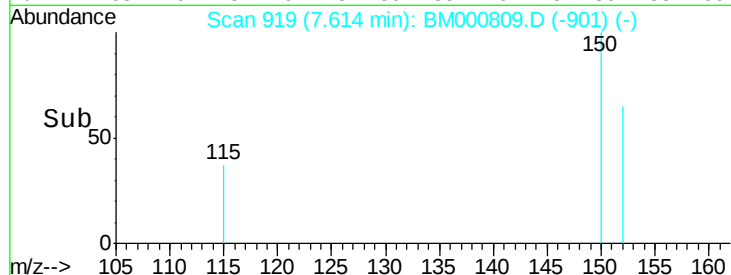
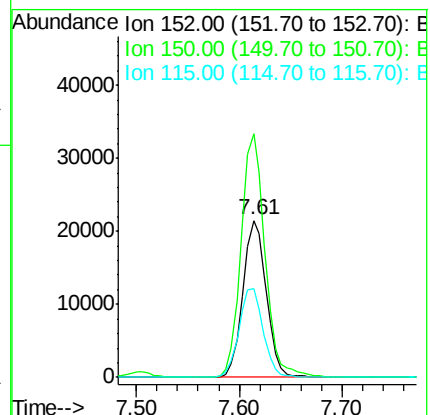
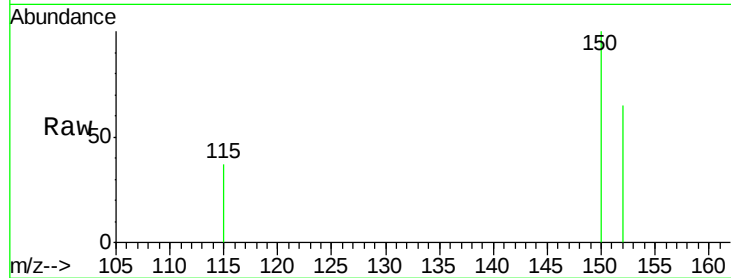
Tgt Ion:152 Resp: 33557

Ion Ratio Lower Upper

152 100

150 154.9 120.8 181.2

115 56.6 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 0.97 ng

RT: 3.44 min Scan# 142

Delta R.T. -0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

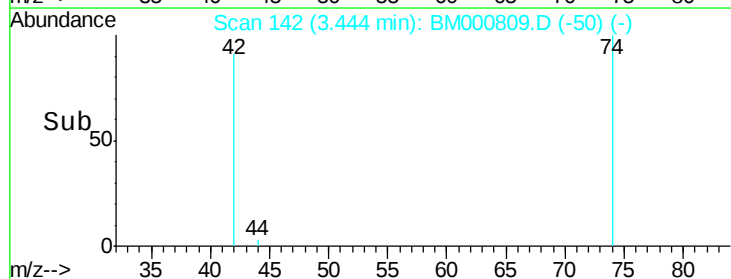
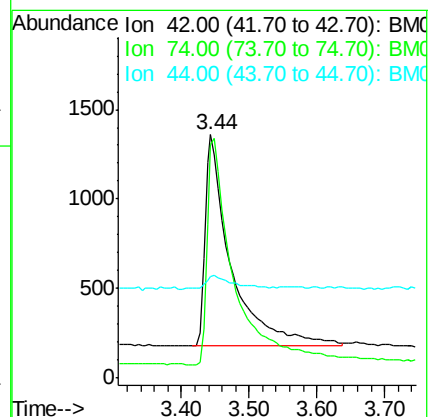
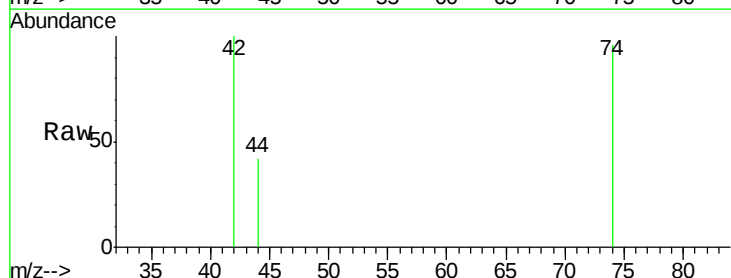
Tgt Ion: 42 Resp: 3147

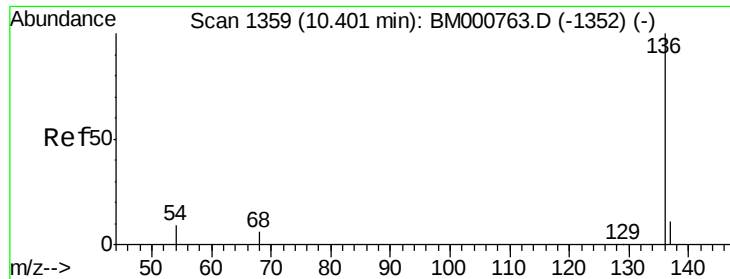
Ion Ratio Lower Upper

42 100

74 116.1 93.6 140.4

44 7.1 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: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

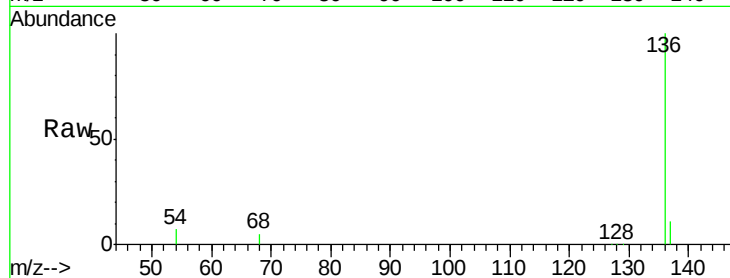
Tgt Ion:136 Resp: 116558

Ion Ratio Lower Upper

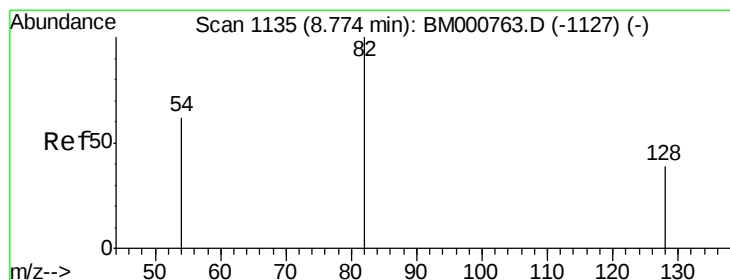
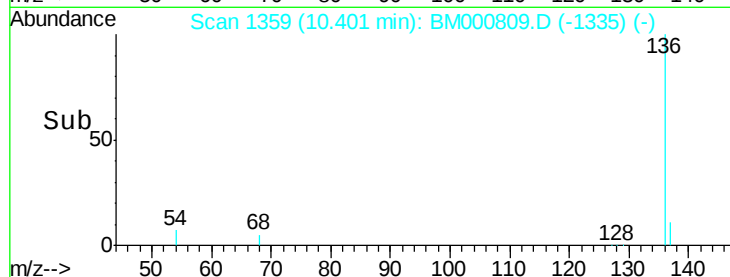
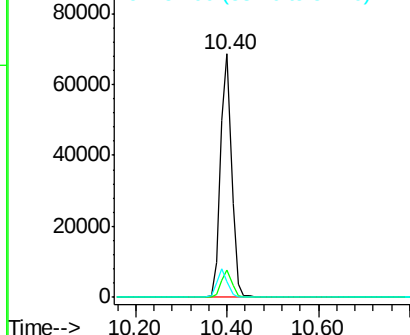
136 100

137 11.1 8.6 12.8

54 6.6 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: 0.97 ng

RT: 8.77 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

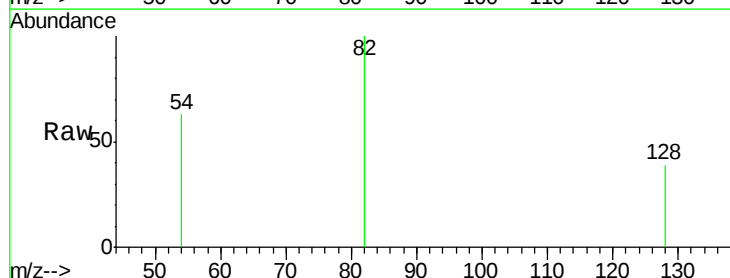
Tgt Ion: 82 Resp: 5723

Ion Ratio Lower Upper

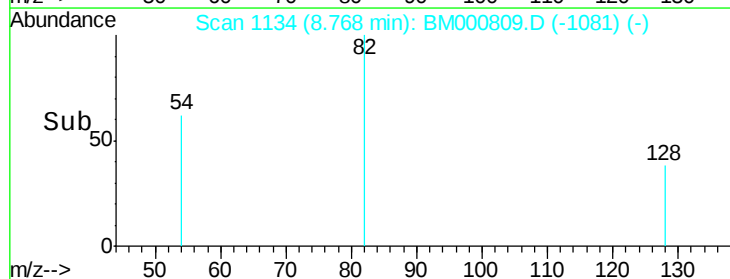
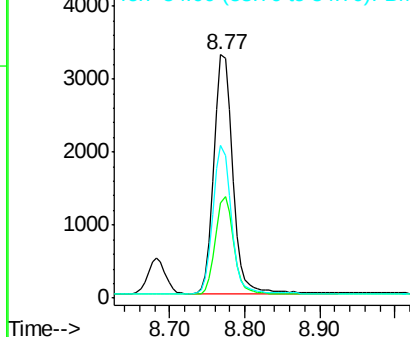
82 100

128 39.3 32.2 48.2

54 62.8 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: 1.03 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

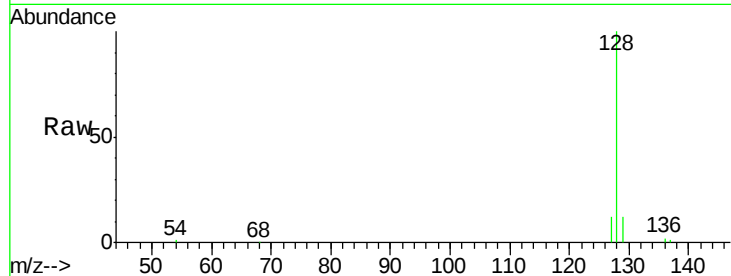
Tgt Ion:128 Resp: 27781

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

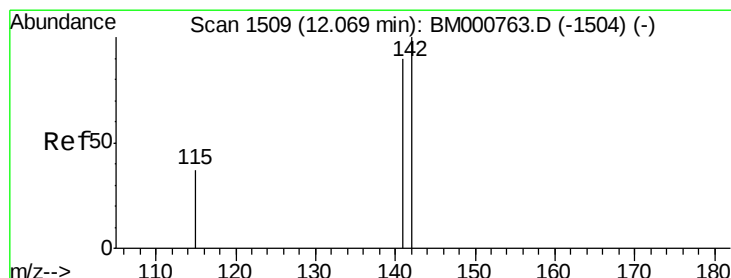
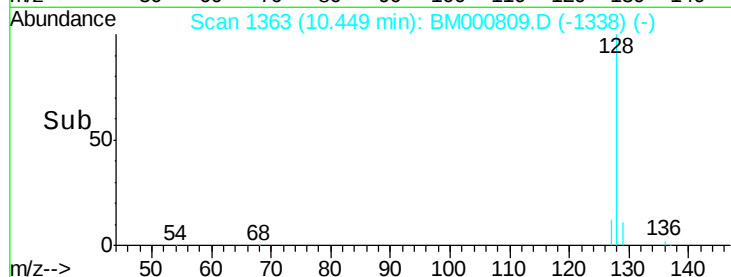
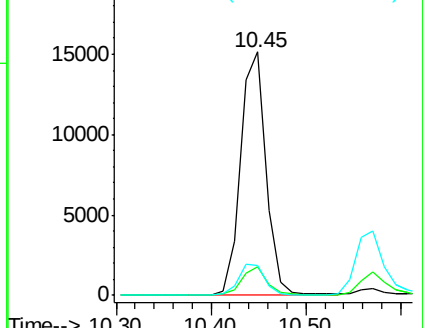
127 12.0 10.0 15.0



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: 1.03 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

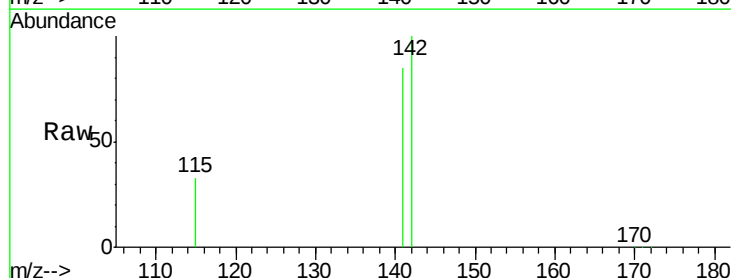
Tgt Ion:142 Resp: 17598

Ion Ratio Lower Upper

142 100

141 85.0 72.3 108.5

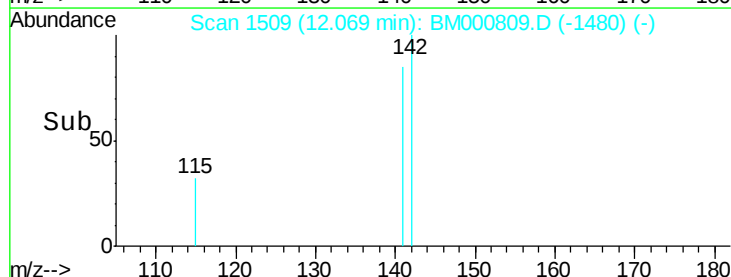
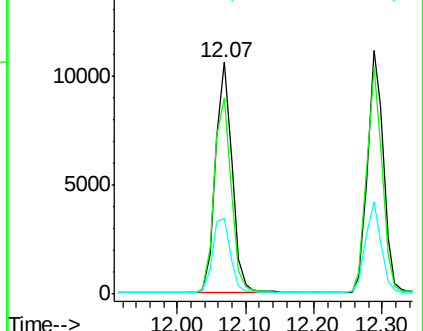
115 32.8 29.5 44.3



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: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

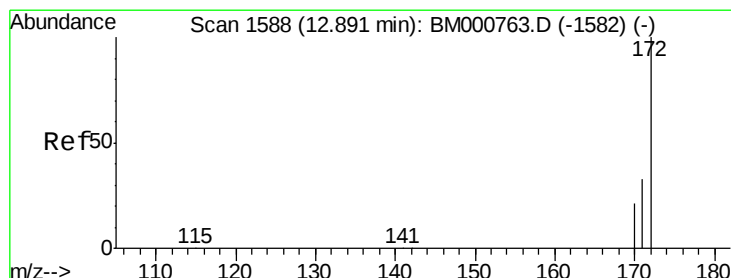
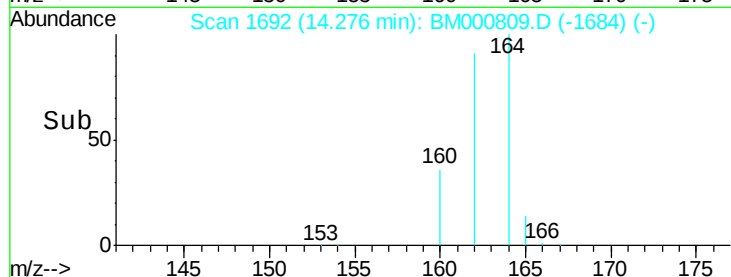
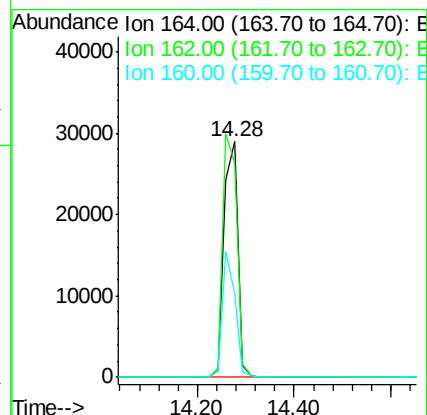
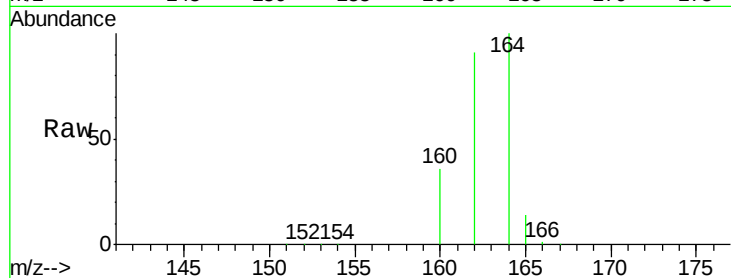
Tgt Ion:164 Resp: 57285

Ion Ratio Lower Upper

164 100

162 91.2 75.4 113.2

160 35.6 30.8 46.2



#9

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

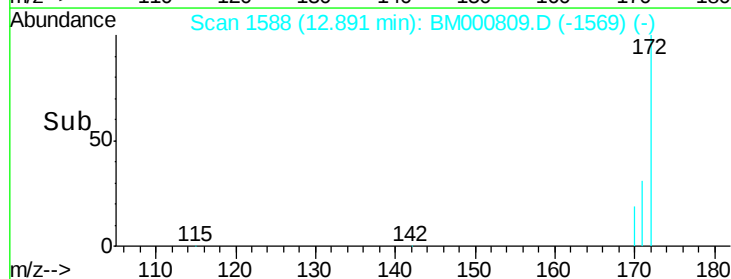
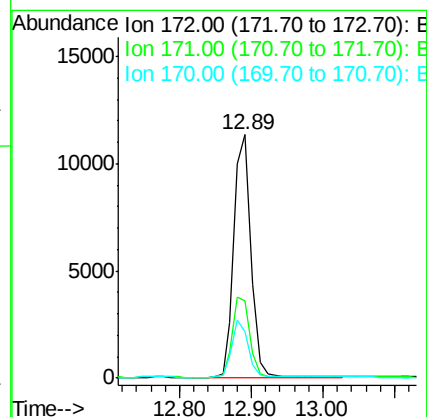
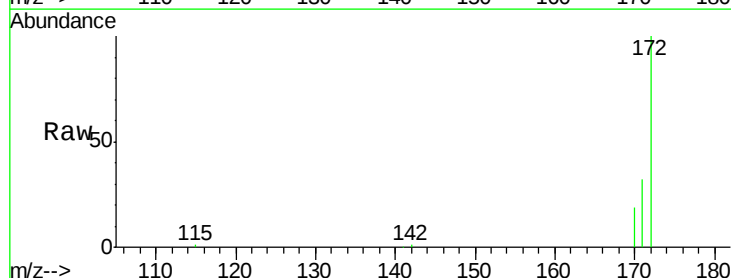
Tgt Ion:172 Resp: 18386

Ion Ratio Lower Upper

172 100

171 31.7 26.6 39.8

170 19.2 17.1 25.7





#10

Acenaphthylene

Concen: 1.01 ng

RT: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

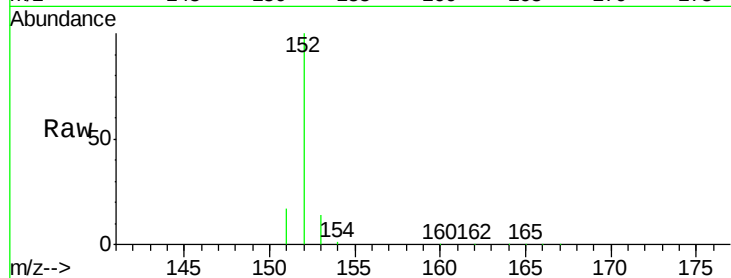
Tgt Ion:152 Resp: 25654

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7

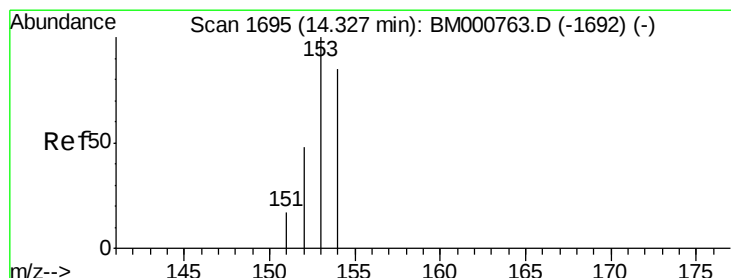
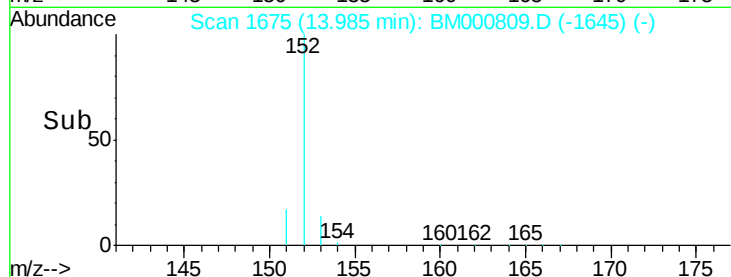
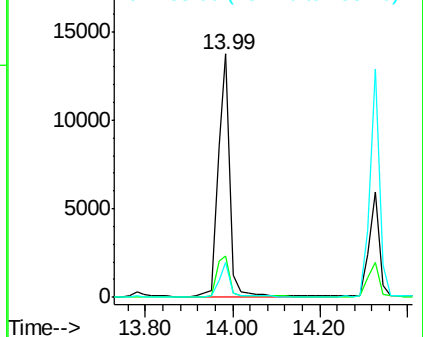
153 12.8 10.2 15.4



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: 1.00 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

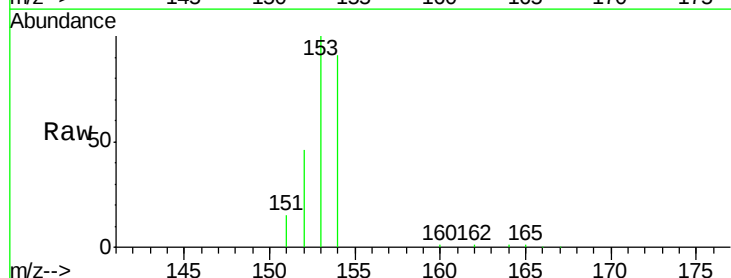
Tgt Ion:154 Resp: 17511

Ion Ratio Lower Upper

154 100

153 109.2 87.3 130.9

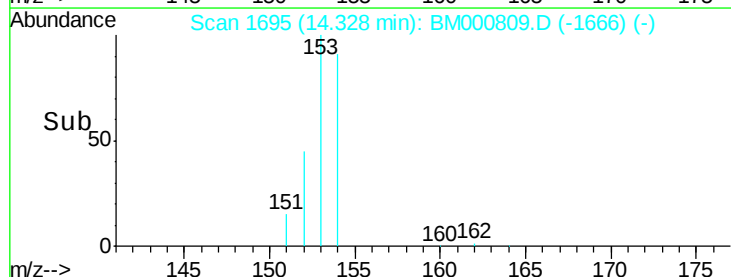
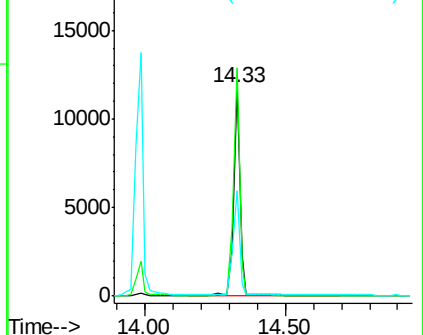
152 53.4 43.0 64.6



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: 1.04 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

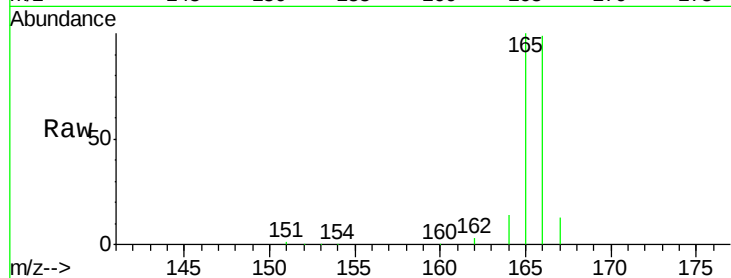
Tgt Ion:166 Resp: 20383

Ion Ratio Lower Upper

166 100

165 97.6 78.2 117.2

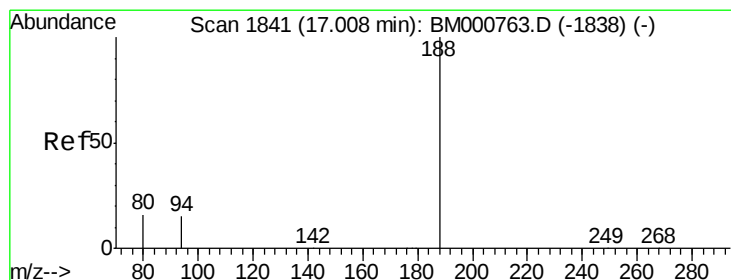
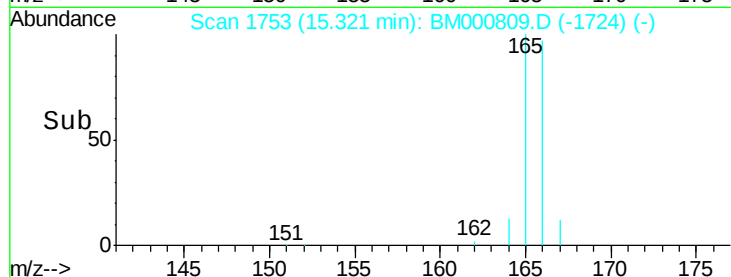
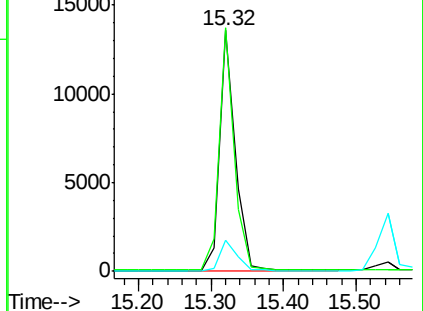
167 13.4 10.7 16.1



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: BM000809.D

Acq: 02 Apr 2015 14:12

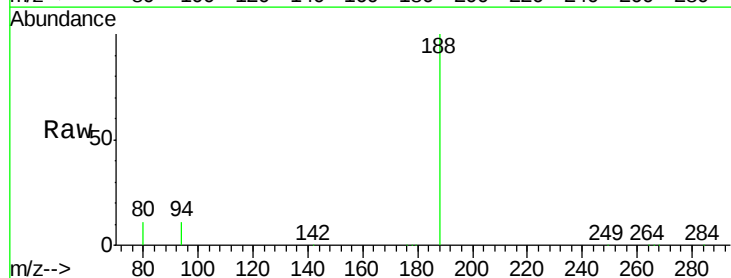
Tgt Ion:188 Resp: 124654

Ion Ratio Lower Upper

188 100

94 10.8 12.0 18.0#

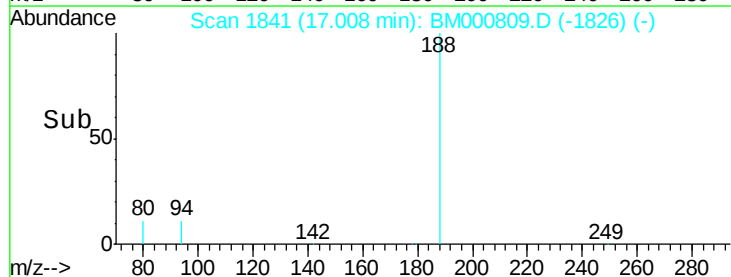
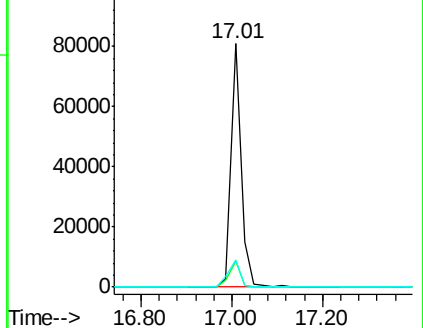
80 11.0 12.8 19.2#



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

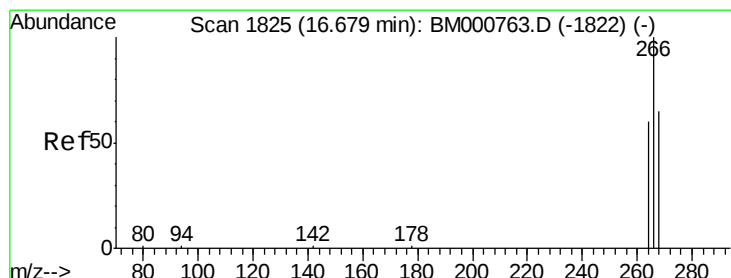
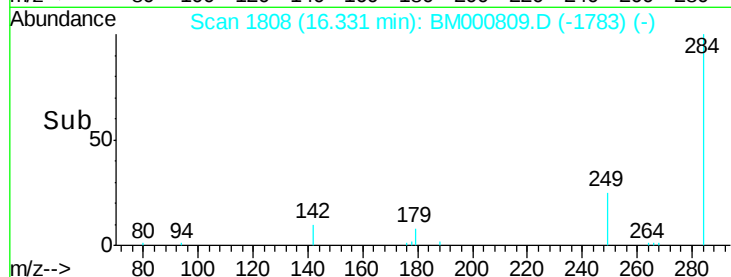
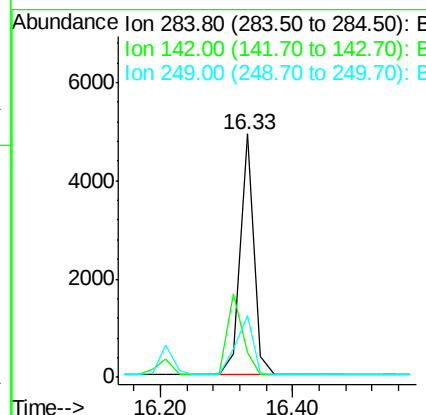
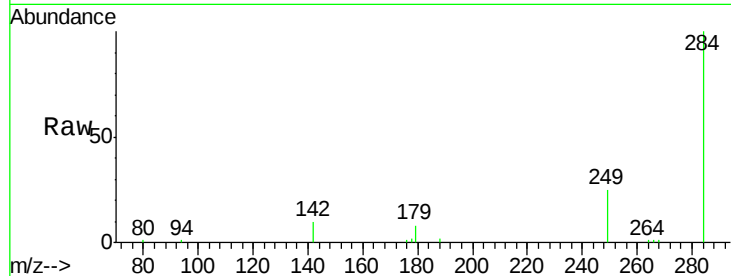




#14
Hexachlorobenzene
Concen: 0.97 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

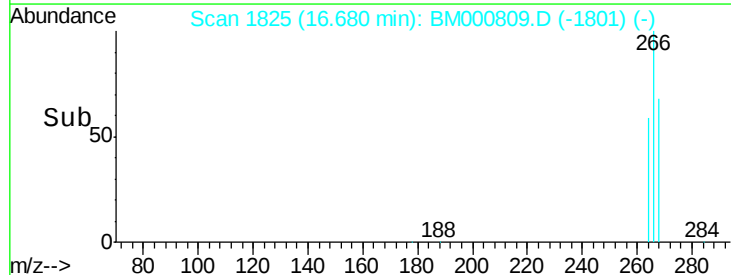
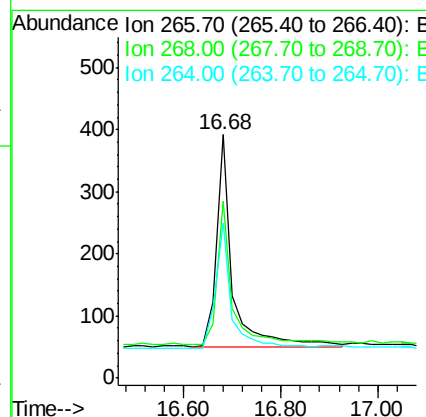
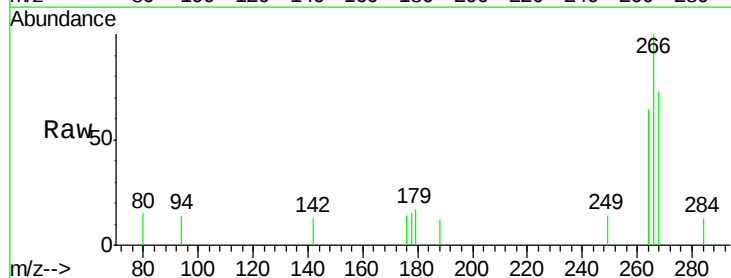
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

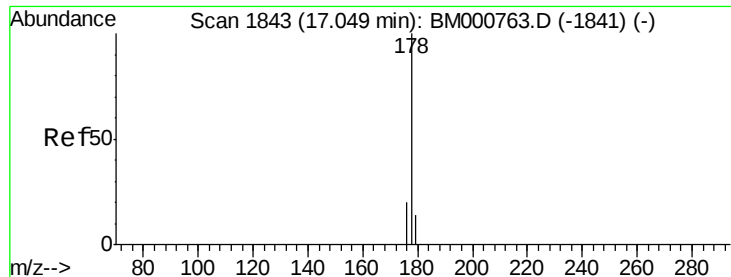
Tgt Ion: 284 Resp: 7086
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 30.5 25.2 37.8



#15
Pentachlorophenol
Concen: 0.78 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

Tgt Ion: 266 Resp: 806
Ion Ratio Lower Upper
266 100
268 72.7 55.0 82.6
264 63.5 51.0 76.4

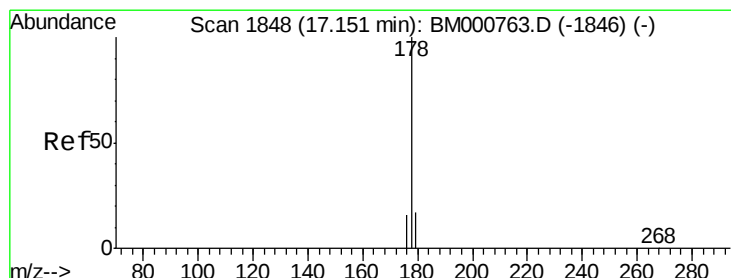
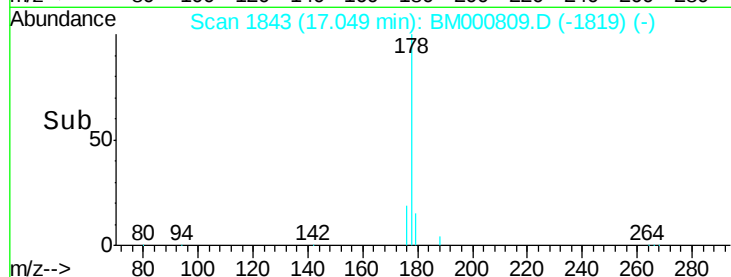
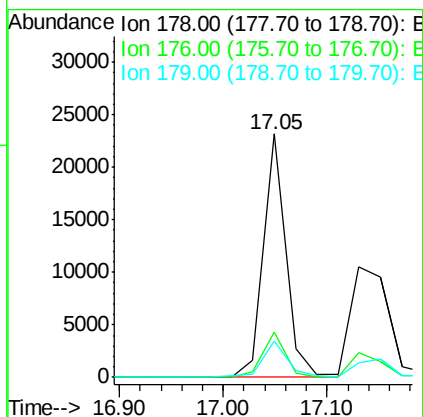
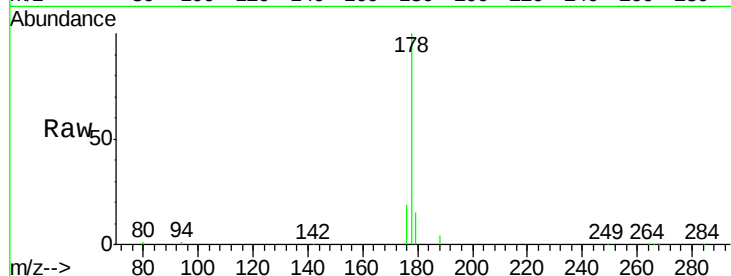




#16
Phenanthrene
Concen: 1.00 ng
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

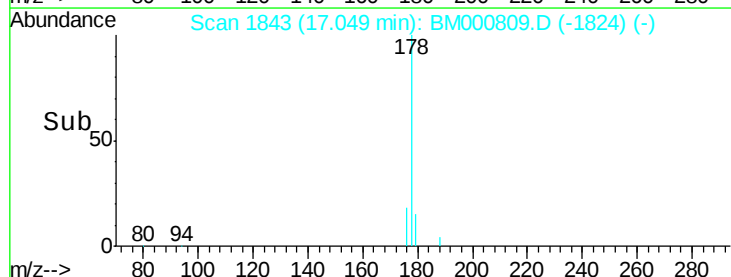
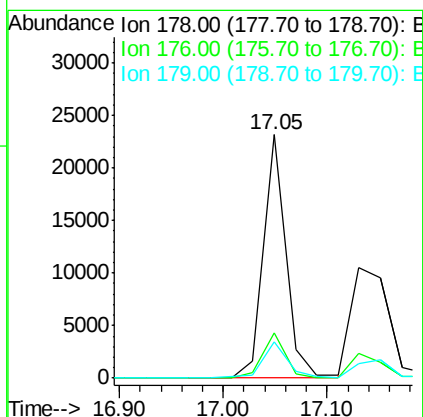
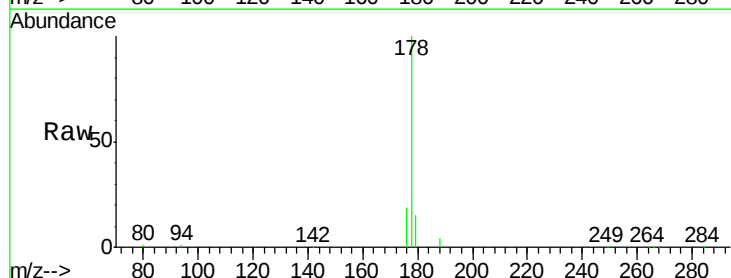
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

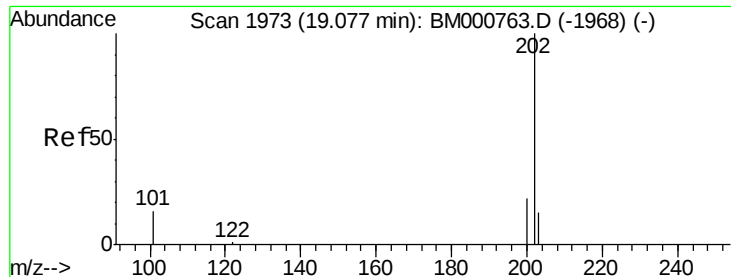
Tgt Ion:178 Resp: 34121
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.3 12.2 18.2



#17
Anthracene
Concen: 1.19 ng
RT: 17.05 min Scan# 1843
Delta R.T. -0.10 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

Tgt Ion:178 Resp: 34121
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.3 12.2 18.4

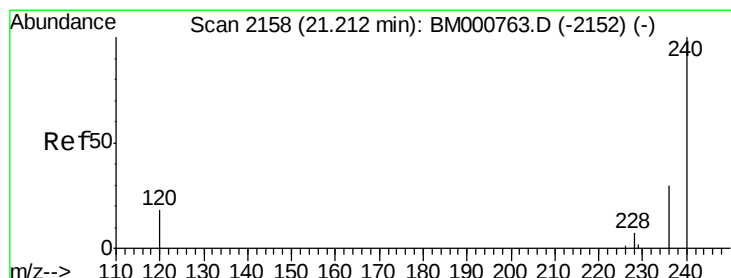
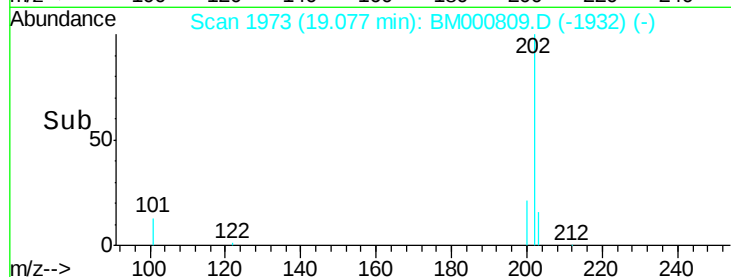
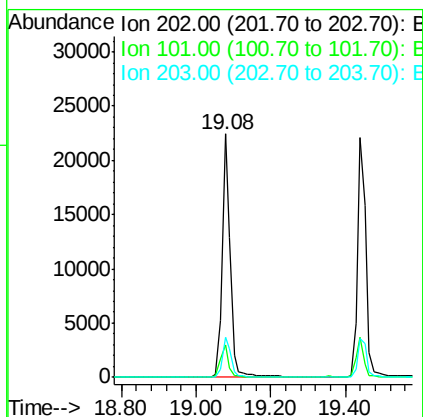
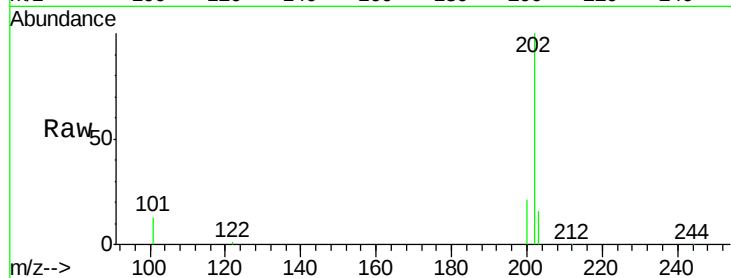




#18
 Fluoranthene
 Concen: 0.96 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000809.D
 Acq: 02 Apr 2015 14:12

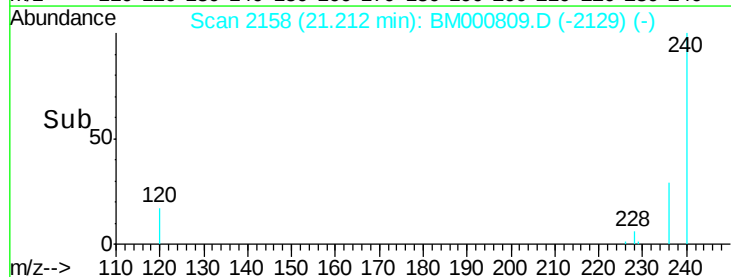
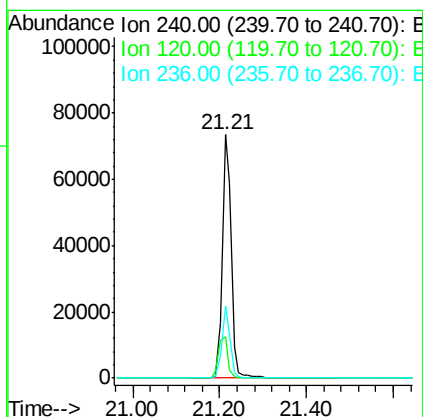
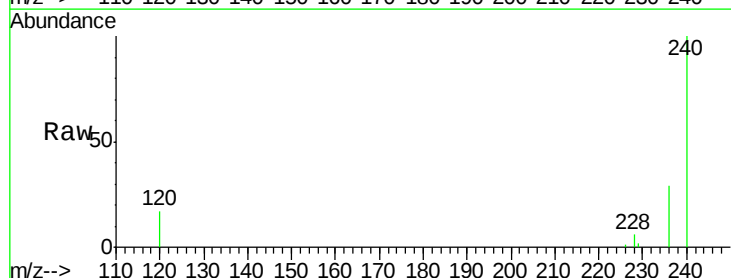
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

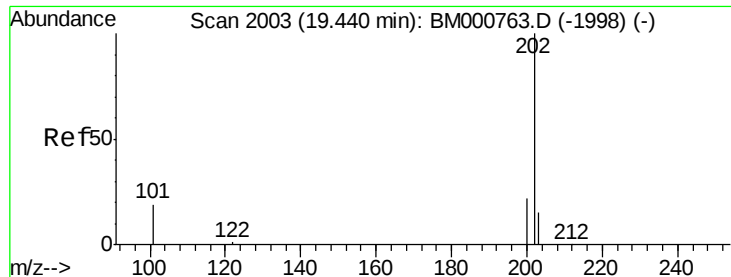
Tgt Ion:202 Resp: 32458
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.5 15.7
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000809.D
 Acq: 02 Apr 2015 14:12

Tgt Ion:240 Resp: 103504
 Ion Ratio Lower Upper
 240 100
 120 17.1 14.9 22.3
 236 29.4 24.2 36.4

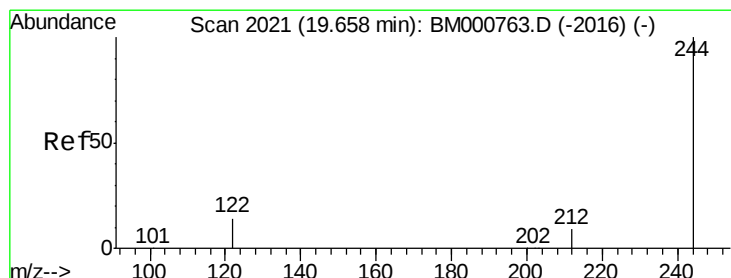
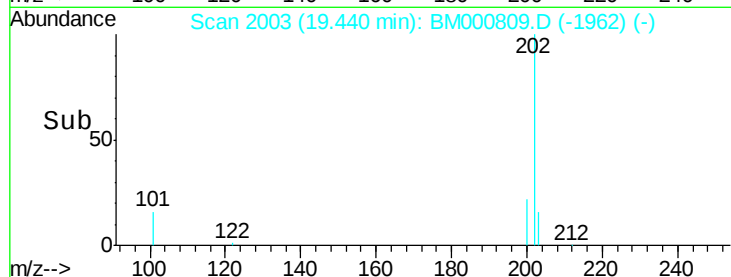
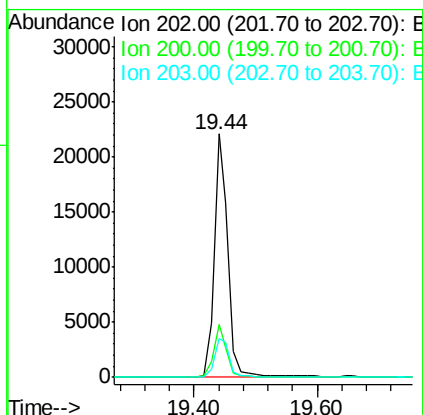
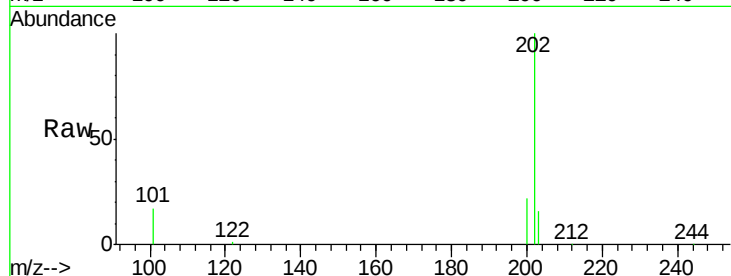




#20
Pyrene
Concen: 1.00 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

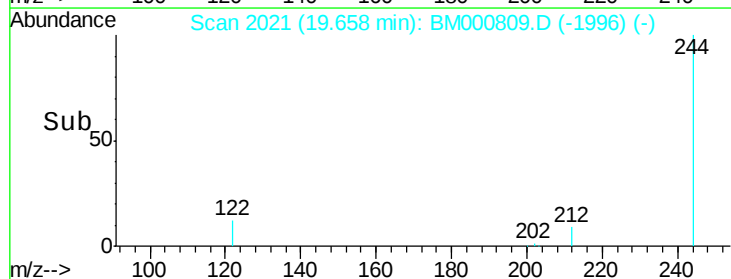
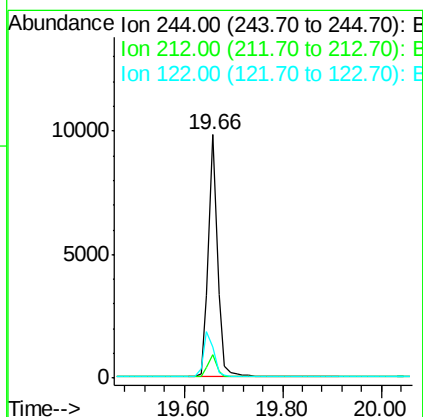
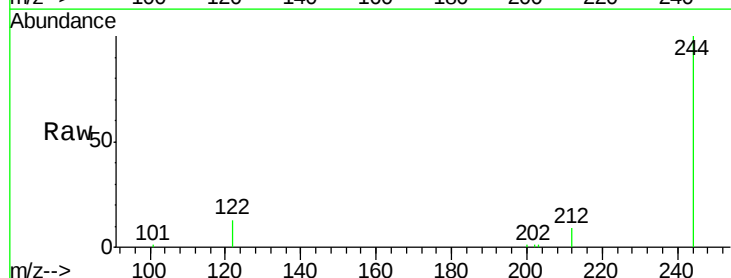
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 33867
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 17.3 13.9 20.9



#21
Terphenyl-d14
Concen: 1.03 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

Tgt Ion:244 Resp: 12865
Ion Ratio Lower Upper
244 100
212 9.4 7.8 11.6
122 12.7 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.99 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

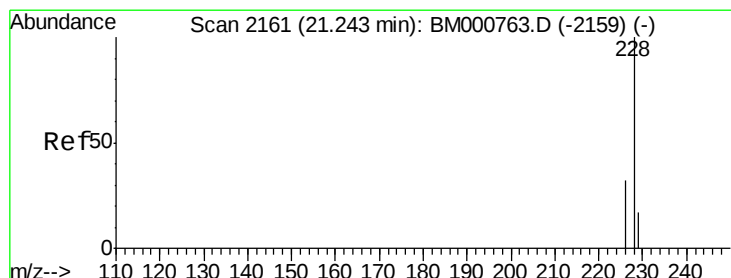
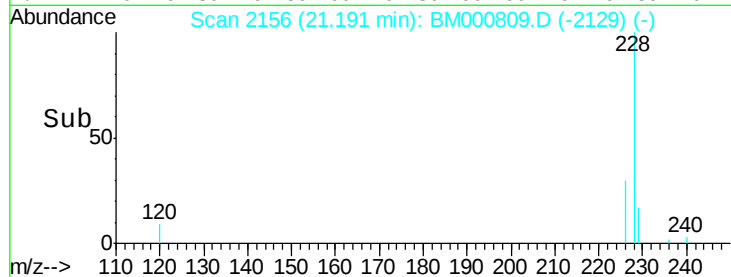
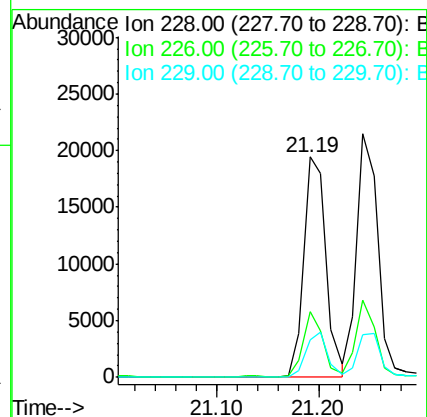
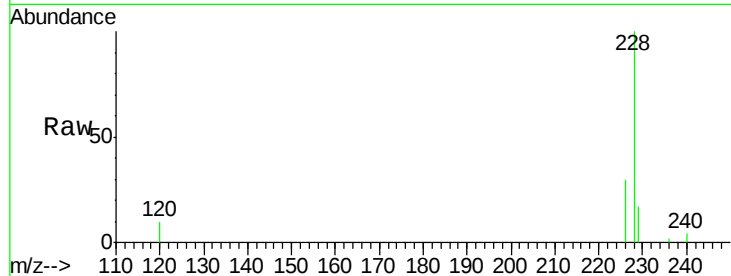
Tgt Ion:228 Resp: 29128

Ion Ratio Lower Upper

228 100

226 29.7 18.6 27.8#

229 16.9 17.2 25.8#



#23

Chrysene

Concen: 1.02 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

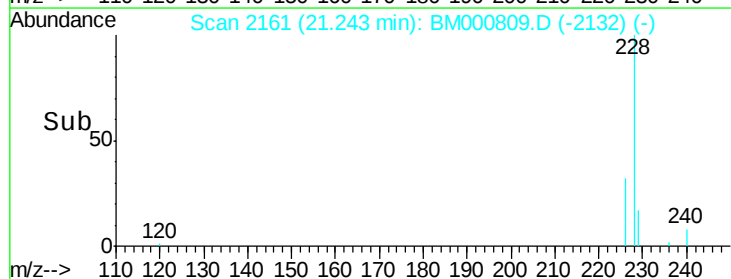
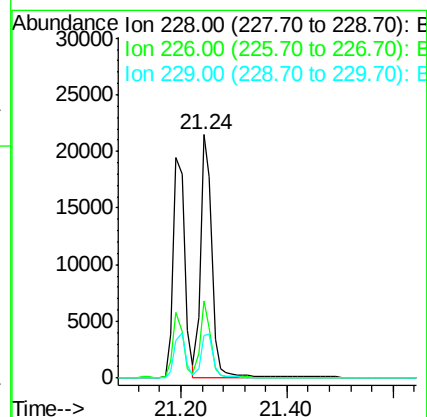
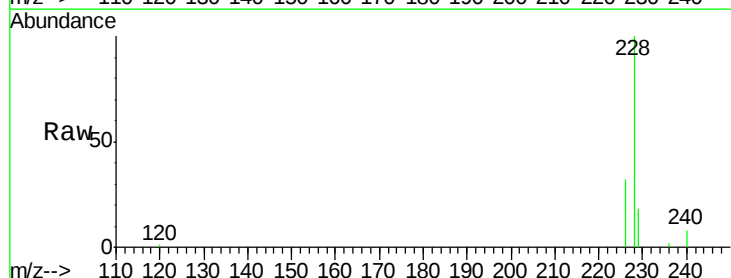
Tgt Ion:228 Resp: 31596

Ion Ratio Lower Upper

228 100

226 31.8 25.8 38.8

229 17.5 13.8 20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.02 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

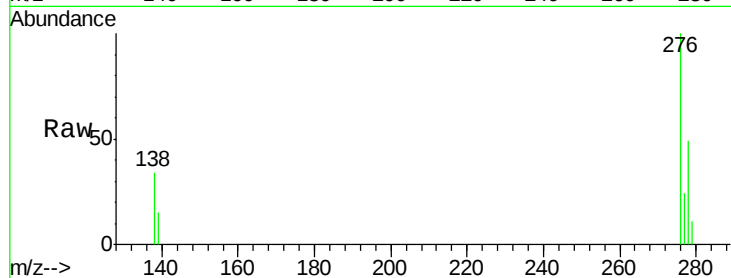
Tgt Ion:276 Resp: 32654

Ion Ratio Lower Upper

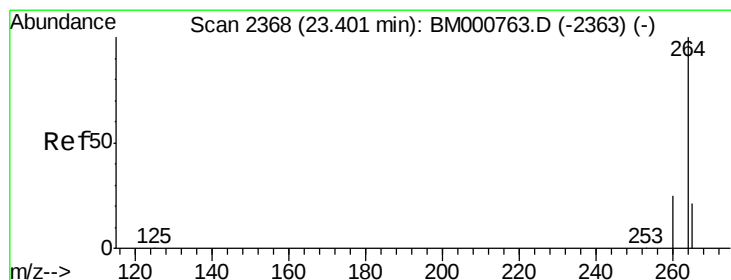
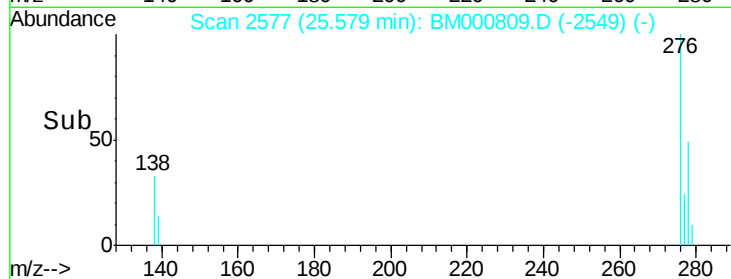
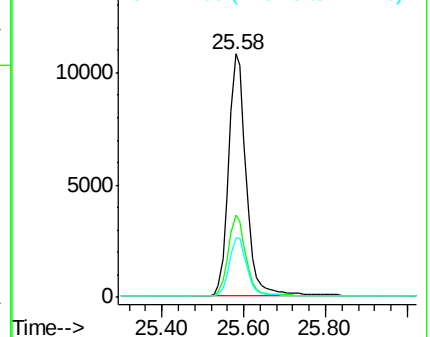
276 100

138 33.8 27.4 41.2

277 24.6 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: BM000809.D

Acq: 02 Apr 2015 14:12

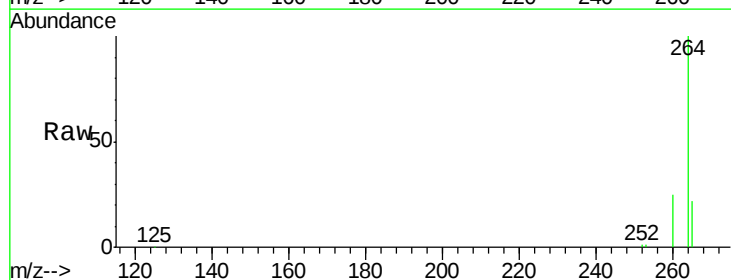
Tgt Ion:264 Resp: 93845

Ion Ratio Lower Upper

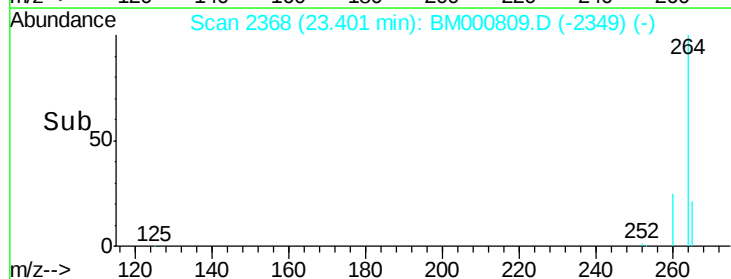
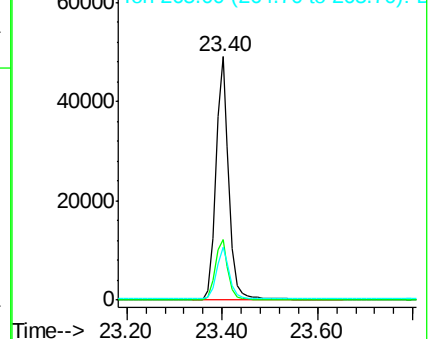
264 100

260 24.8 20.1 30.1

265 21.5 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

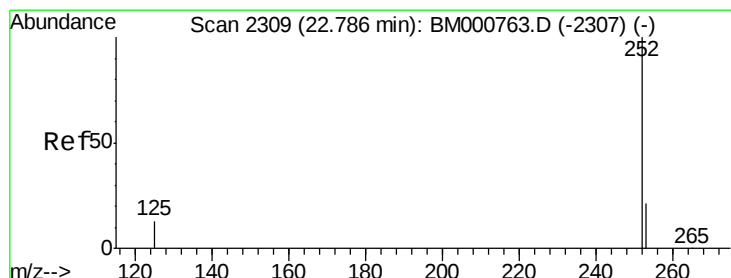
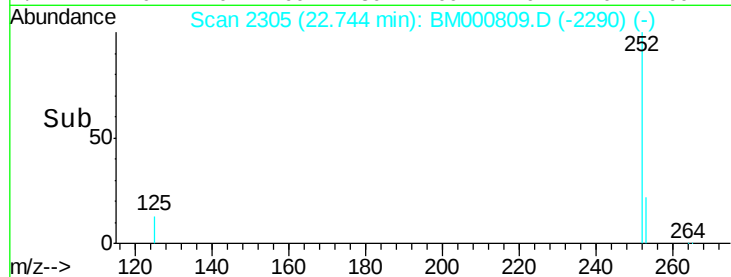
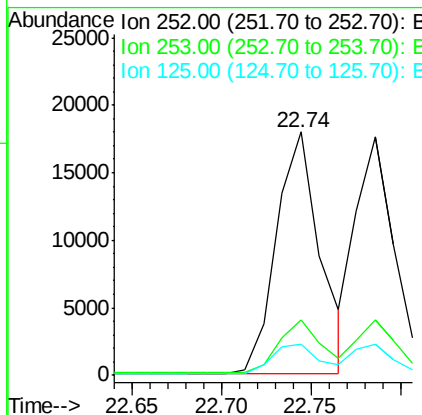
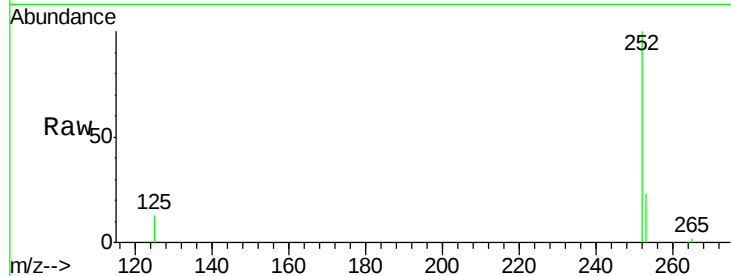




#26
Benzo(b)fluoranthene
Concen: 1.04 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

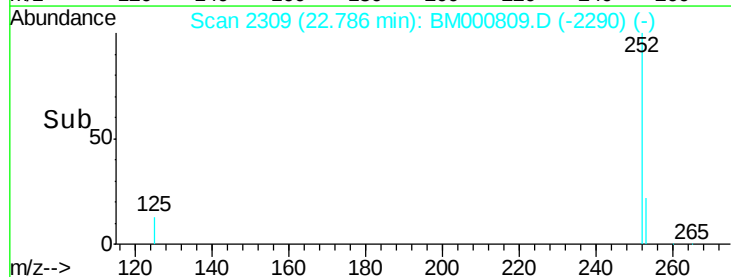
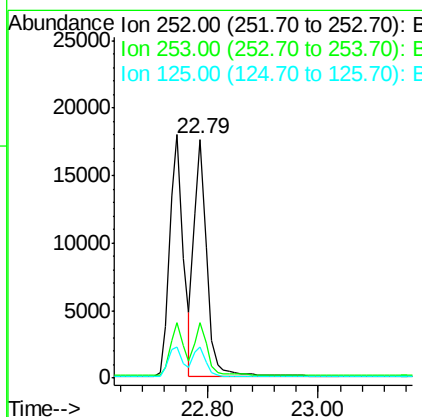
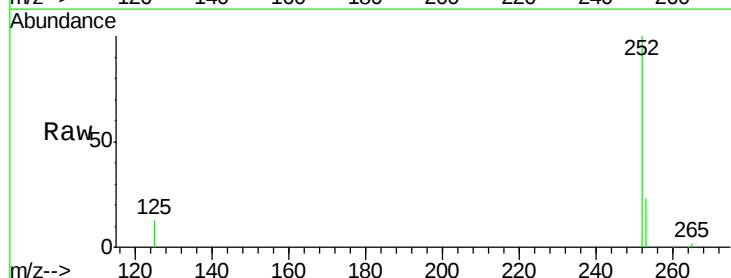
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 30619
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 13.0 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000809.D
Acq: 02 Apr 2015 14:12

Tgt Ion:252 Resp: 28238
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 13.2 10.8 16.2





#28

Benzo(a)pyrene

Concen: 1.01 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

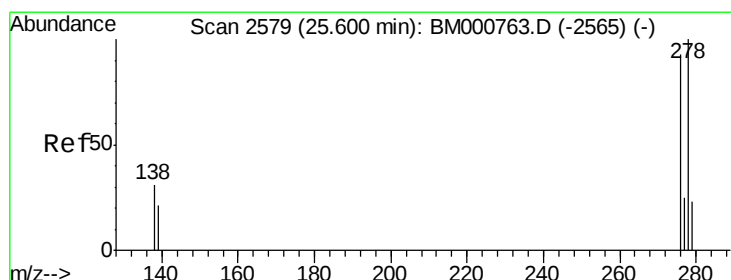
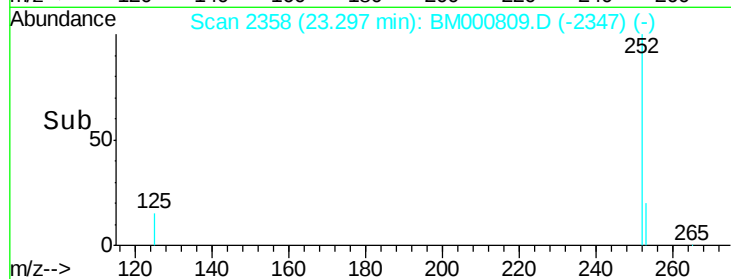
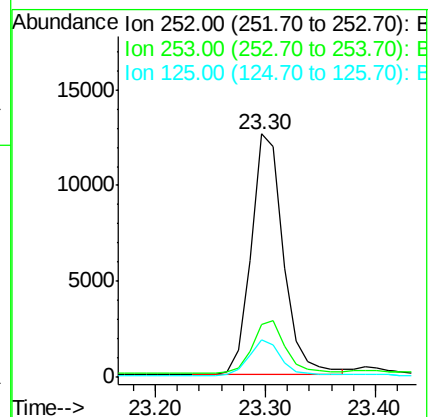
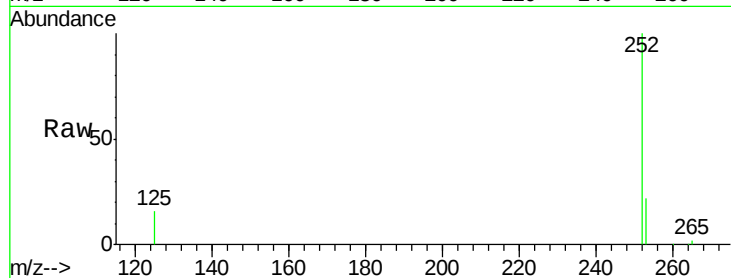
Tgt Ion:252 Resp: 25556

Ion Ratio Lower Upper

252 100

253 21.9 19.4 29.2

125 15.7 11.5 17.3



#29

Dibenzo(a,h)anthracene

Concen: 1.02 ng

RT: 25.60 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BM000809.D

Acq: 02 Apr 2015 14:12

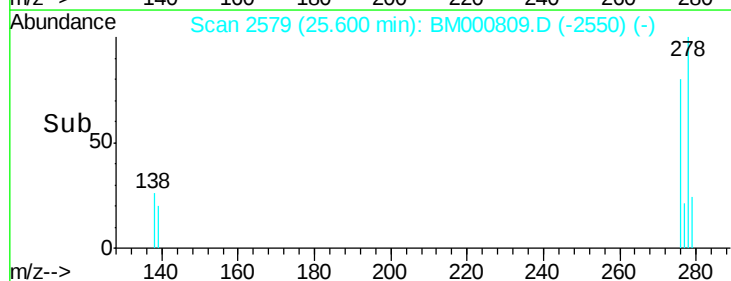
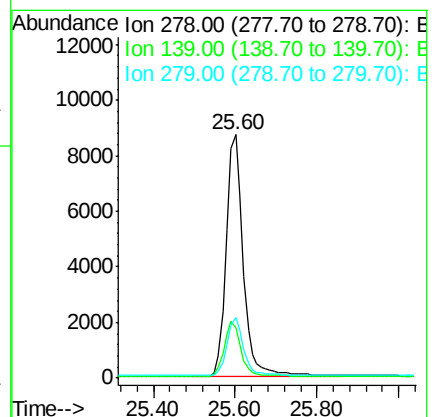
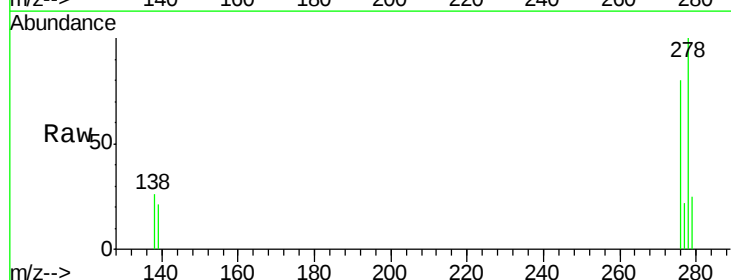
Tgt Ion:278 Resp: 25658

Ion Ratio Lower Upper

278 100

139 20.9 17.8 26.6

279 24.8 19.3 28.9





#30

Benzo(g,h,i)perylene

Concen: 1.03 ng

RT: 26.25 min Scan# 2641

Delta R.T. -0.01 min

Lab File: BM000809.D

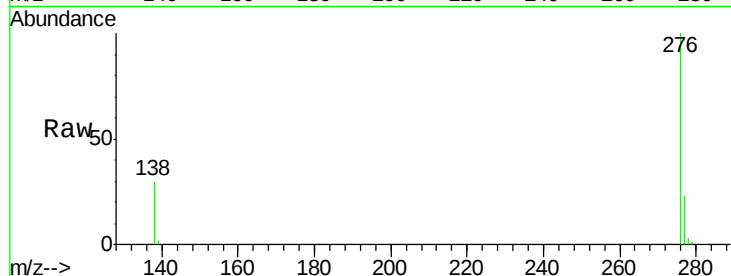
Acq: 02 Apr 2015 14:12

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



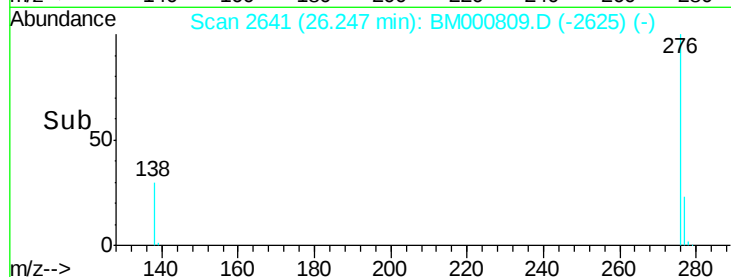
Tgt Ion: 276 Resp: 27735

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 30.1 23.1 34.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

