

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM033115\
 Data File : BM000775.D
 Acq On : 01 Apr 2015 04:22
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 01 15:09:42 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

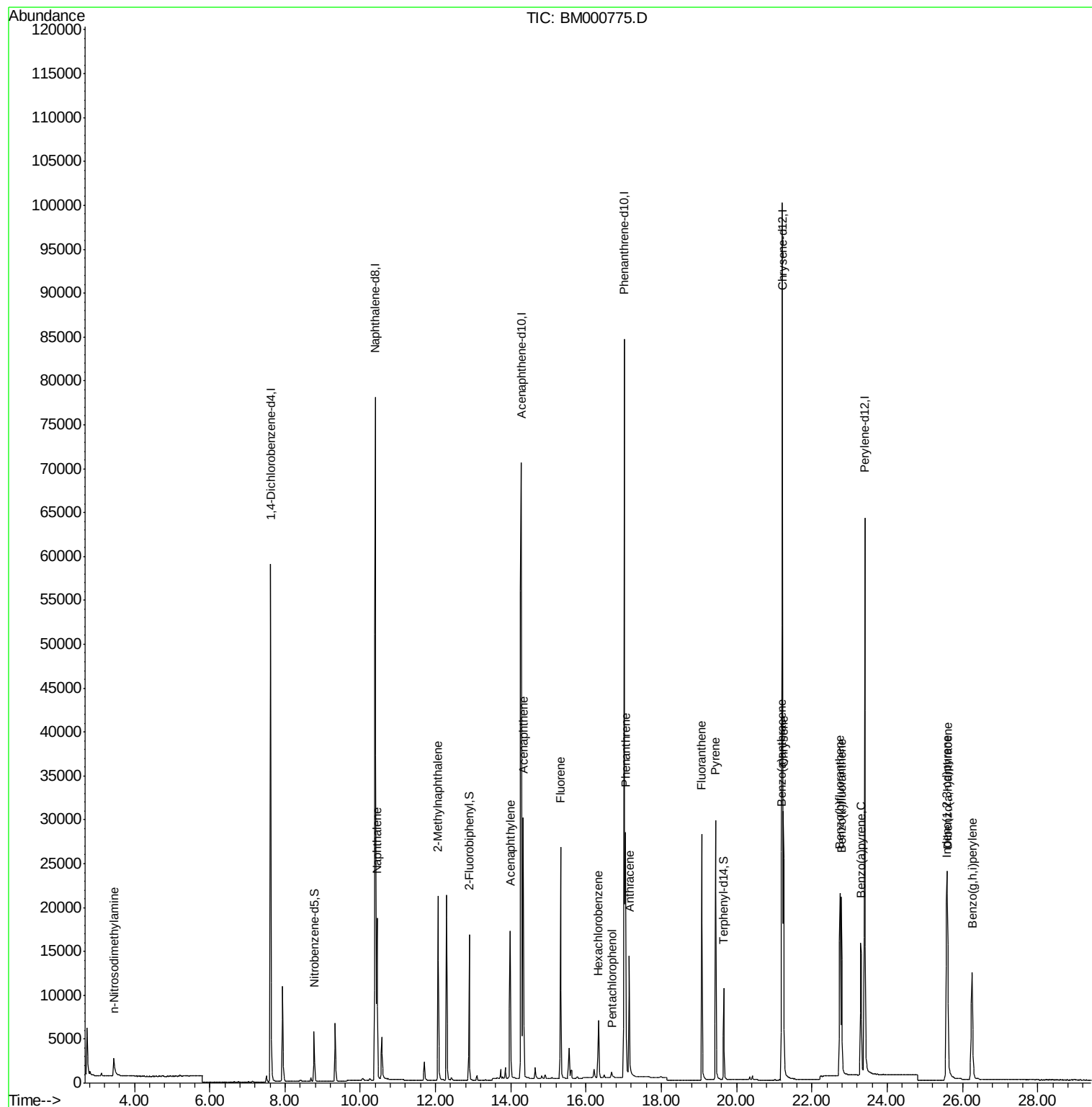
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	30279	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	104396	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	51135	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	109087	5.00	ng	0.00
19) Chrysene-d12	21.21	240	91607	5.00	ng	0.00
25) Perylene-d12	23.40	264	83495	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	5014	0.96	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	16378	1.03	ng	0.00
21) Terphenyl-d14	19.66	244	11286	1.02	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.45	42	2859	0.97	ng	# 99
6) Naphthalene	10.45	128	24926	1.03	ng	99
7) 2-Methylnaphthalene	12.07	142	15619	1.02	ng	99
10) Acenaphthylene	13.99	152	22312	0.99	ng	100
11) Acenaphthene	14.33	154	15532	0.99	ng	100
12) Fluorene	15.32	166	18001	1.03	ng	99
14) Hexachlorobenzene	16.33	284	6437	1.01	ng	# 97
15) Pentachlorophenol	16.68	266	666	0.76	ng	99
16) Phenanthrene	17.05	178	29995	1.00	ng	100
17) Anthracene	17.15	178	23924	0.96	ng	99
18) Fluoranthene	19.08	202	28637	0.97	ng	100
20) Pyrene	19.44	202	30065	1.01	ng	100
22) Benzo(a)anthracene	21.19	228	25420	0.97	ng	# 89
23) Chrysene	21.24	228	28302	1.03	ng	100
24) Indeno(1,2,3-cd)pyrene	25.58	276	29158	1.03	ng	100
26) Benzo(b)fluoranthene	22.74	252	26620	1.01	ng	100
27) Benzo(k)fluoranthene	22.79	252	25690	1.02	ng	100
28) Benzo(a)pyrene	23.30	252	22369	0.99	ng	96
29) Dibenzo(a,h)anthracene	25.60	278	22889	1.03	ng	100
30) Benzo(g,h,i)perylene	26.26	276	24816	1.03	ng	100

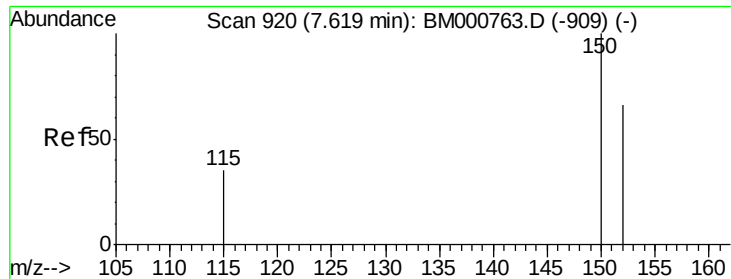
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 920

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

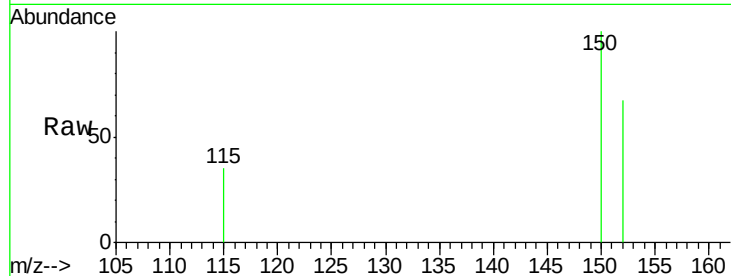
Tgt Ion:152 Resp: 30279

Ion Ratio Lower Upper

152 100

150 149.1 120.8 181.2

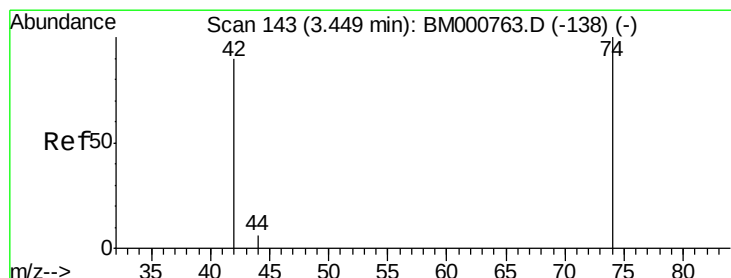
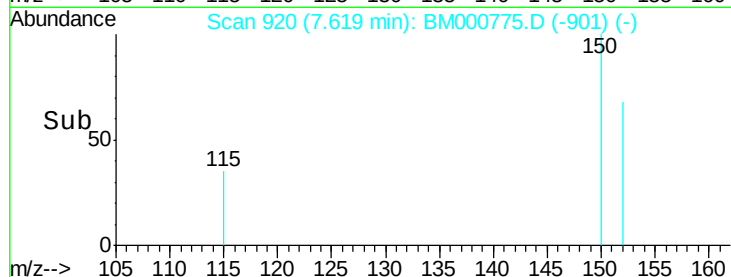
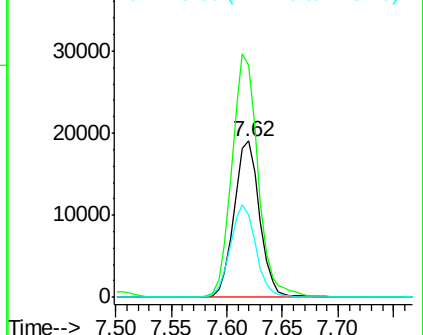
115 52.5 42.7 64.1



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: 0.97 ng

RT: 3.45 min Scan# 143

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

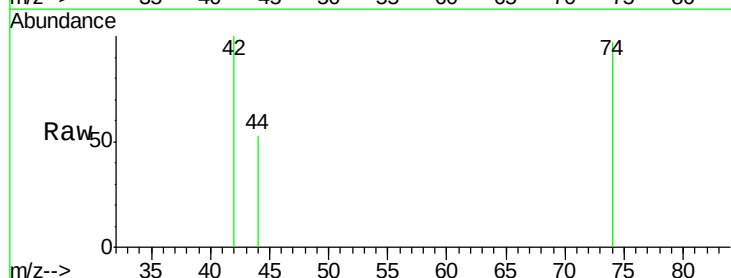
Tgt Ion: 42 Resp: 2859

Ion Ratio Lower Upper

42 100

74 116.1 93.6 140.4

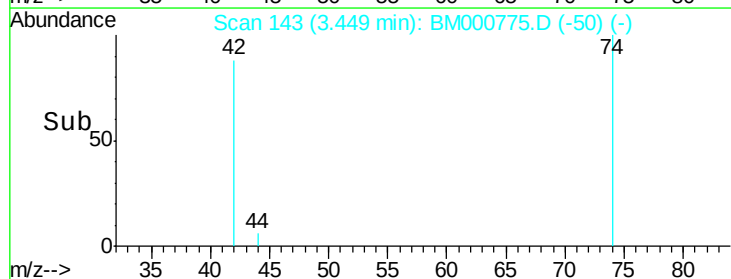
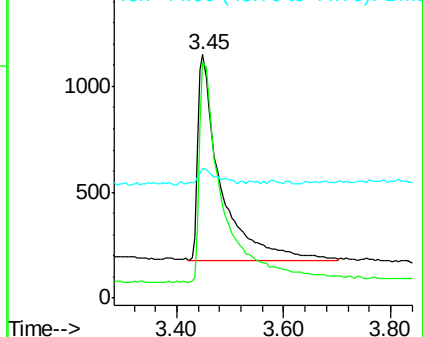
44 5.9 6.3 9.5#

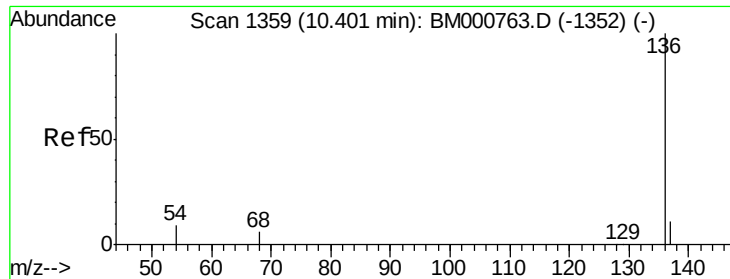


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

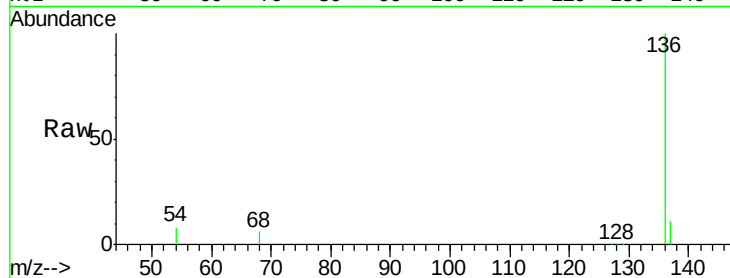
Tgt Ion:136 Resp: 104396

Ion Ratio Lower Upper

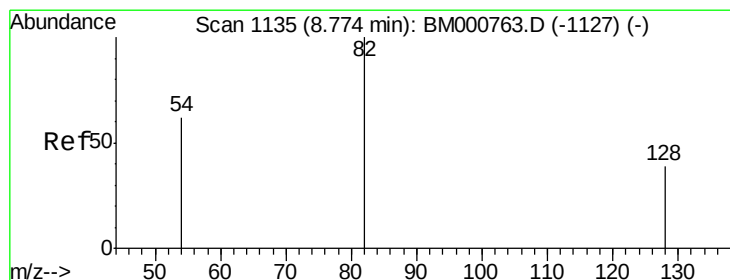
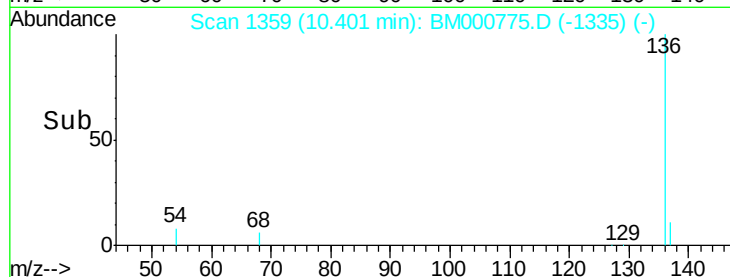
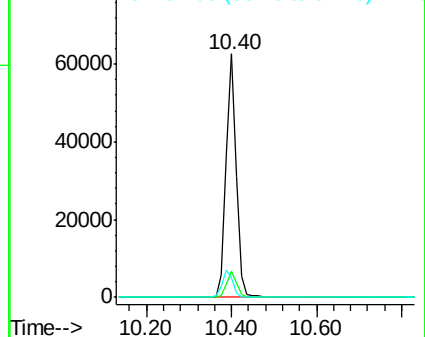
136 100

137 10.9 8.6 12.8

54 8.0 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: 0.96 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

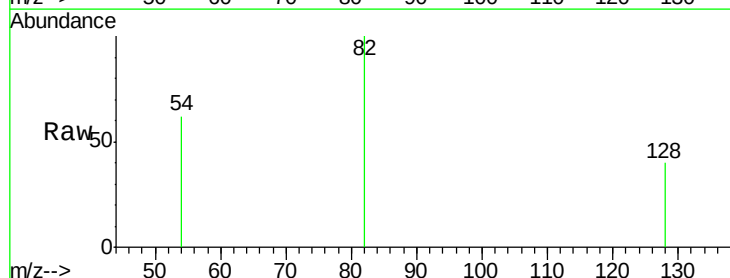
Tgt Ion: 82 Resp: 5014

Ion Ratio Lower Upper

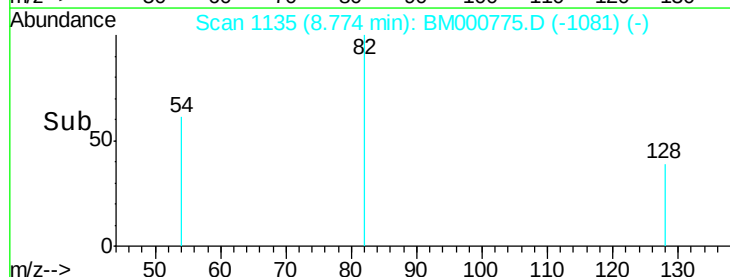
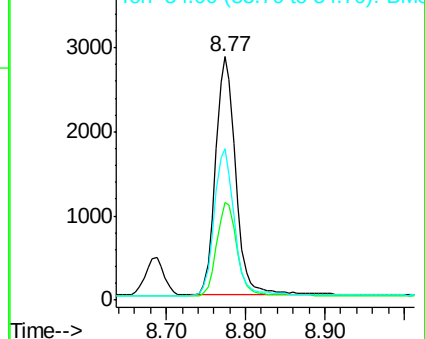
82 100

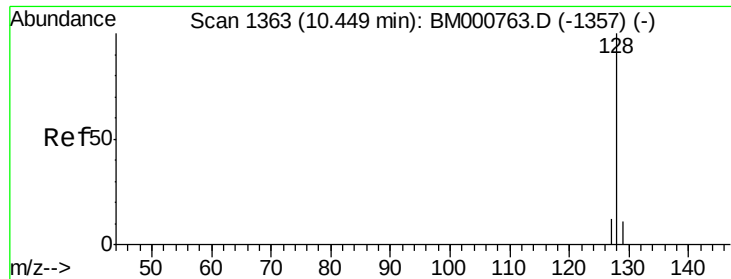
128 40.3 32.2 48.2

54 62.2 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: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

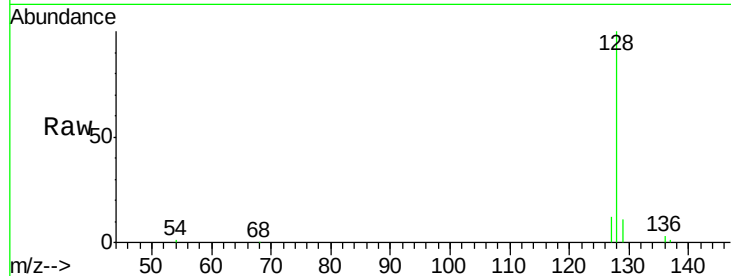
Tgt Ion:128 Resp: 24926

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

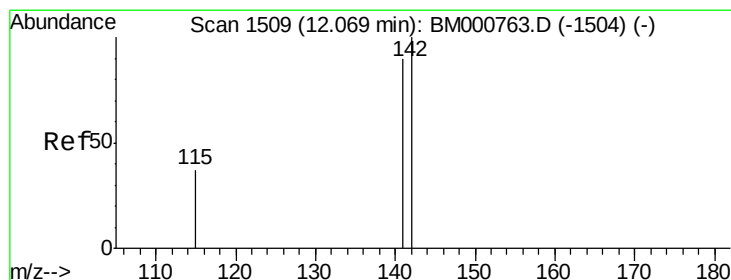
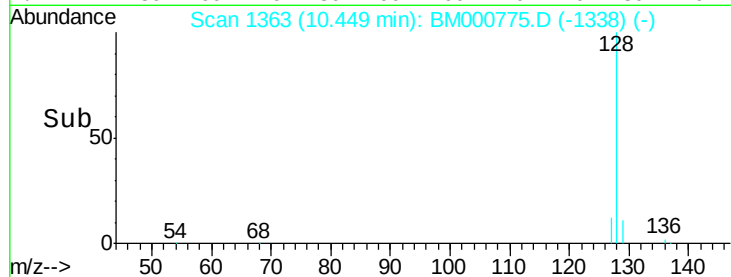
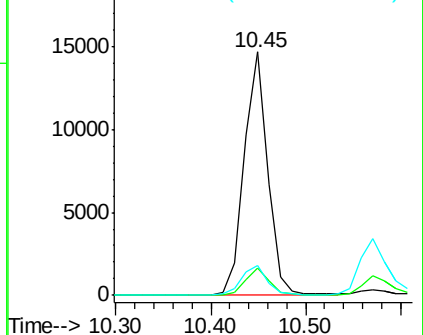
127 12.3 10.0 15.0



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: 1.02 ng

RT: 12.07 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

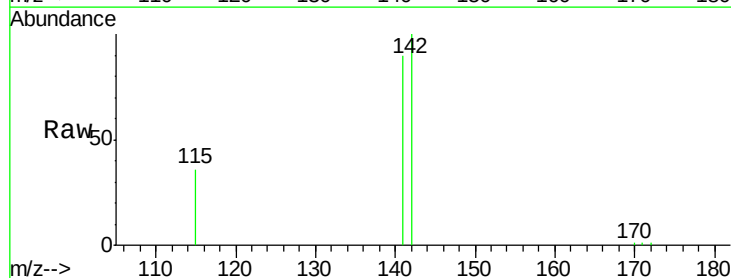
Tgt Ion:142 Resp: 15619

Ion Ratio Lower Upper

142 100

141 89.6 72.3 108.5

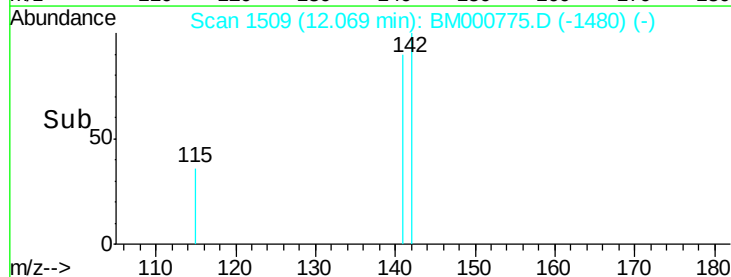
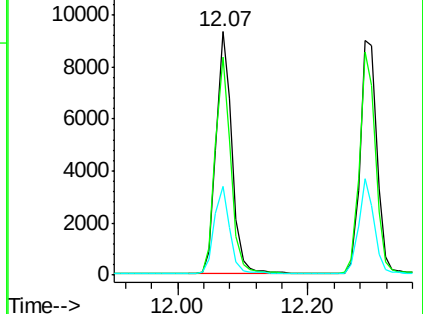
115 36.4 29.5 44.3

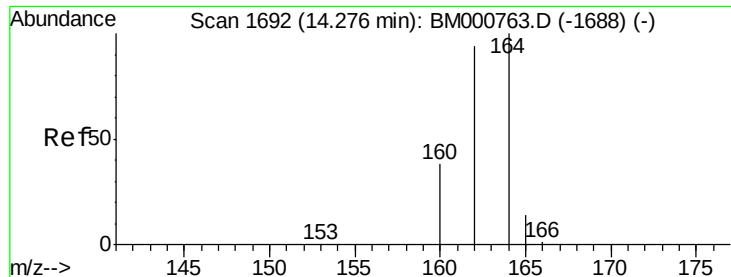


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

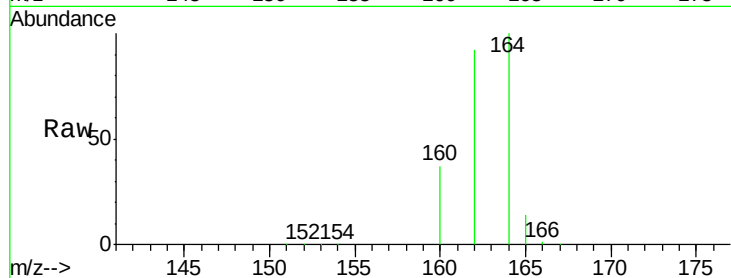
Tgt Ion:164 Resp: 51135

Ion Ratio Lower Upper

164 100

162 92.5 75.4 113.2

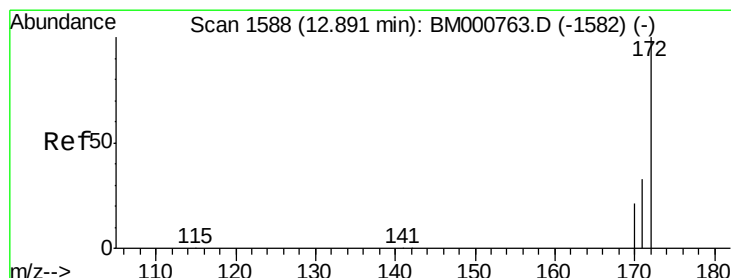
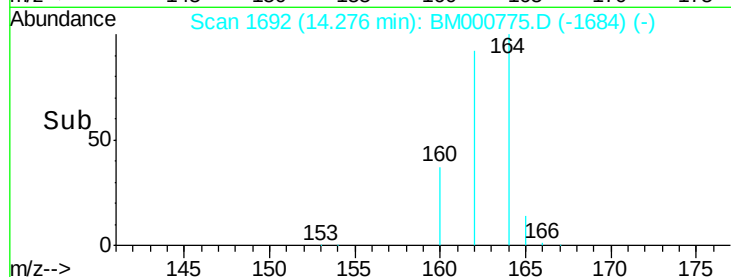
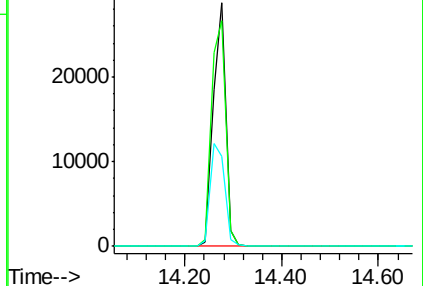
160 37.0 30.8 46.2



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: 1.03 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

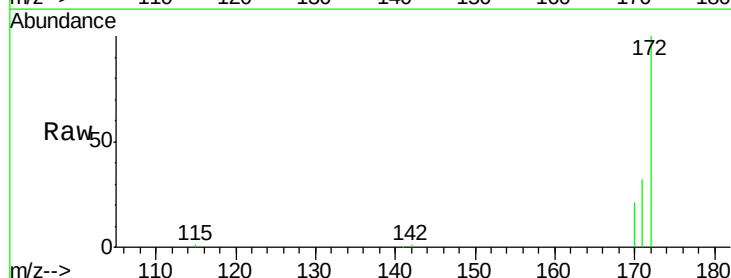
Tgt Ion:172 Resp: 16378

Ion Ratio Lower Upper

172 100

171 32.5 26.6 39.8

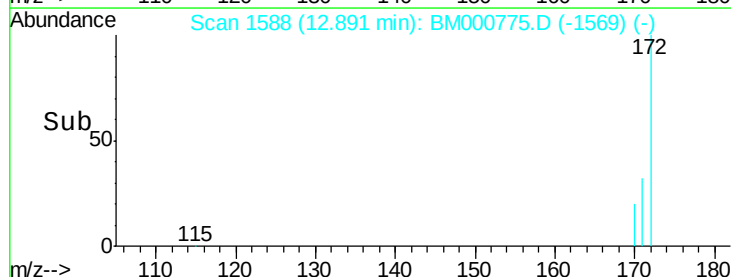
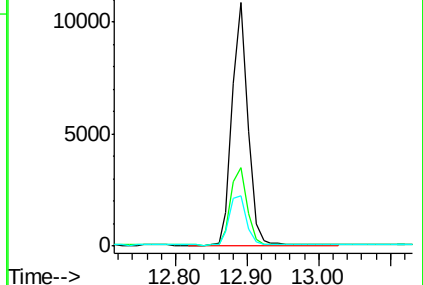
170 20.6 17.1 25.7

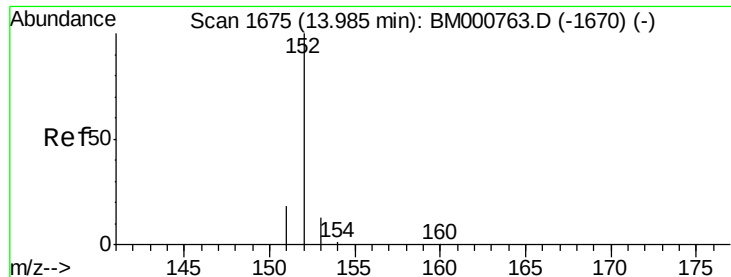


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.99 ng

RT: 13.99 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

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ClientSampleId :

SSTDCCC001

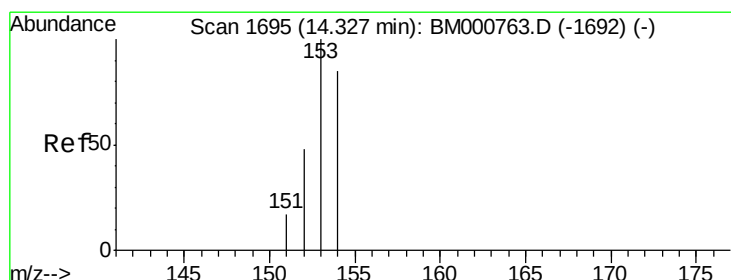
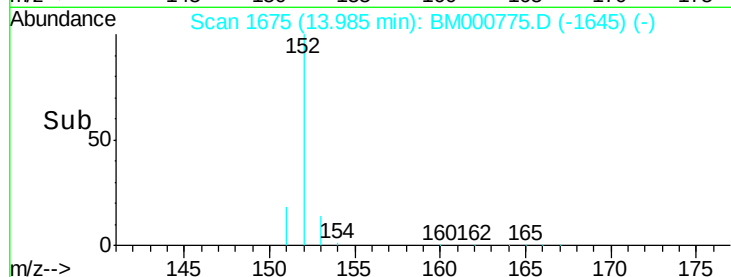
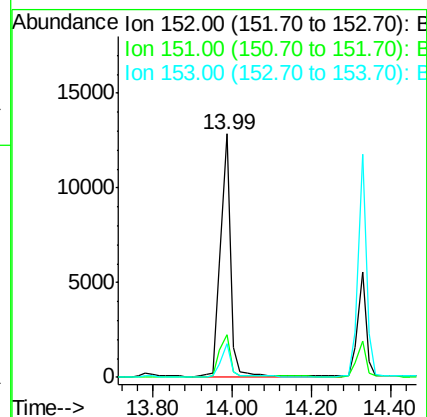
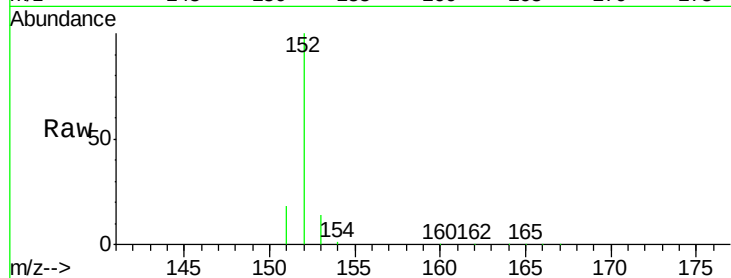
Tgt Ion:152 Resp: 22312

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7

153 12.6 10.2 15.4



#11

Acenaphthene

Concen: 0.99 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

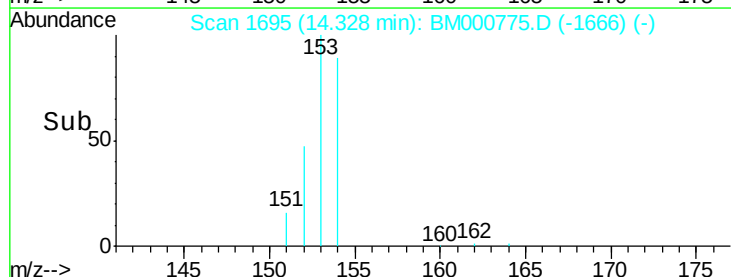
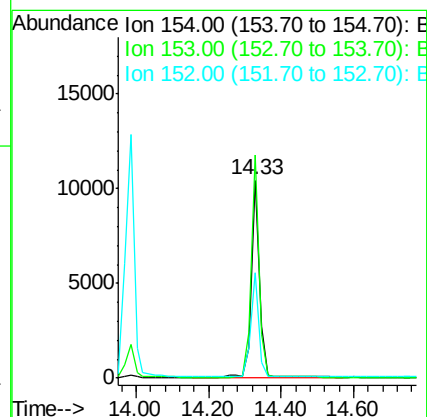
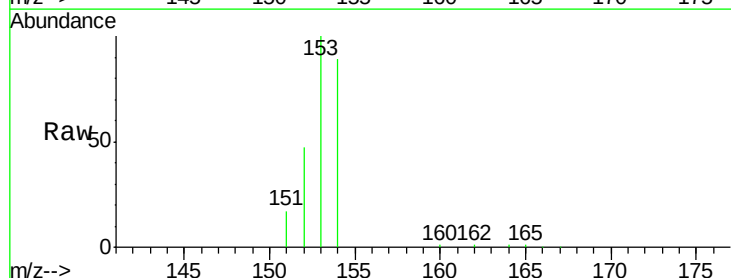
Tgt Ion:154 Resp: 15532

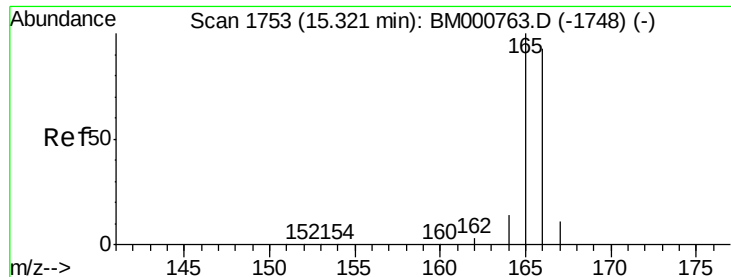
Ion Ratio Lower Upper

154 100

153 109.2 87.3 130.9

152 53.1 43.0 64.6





#12

Fluorene

Concen: 1.03 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

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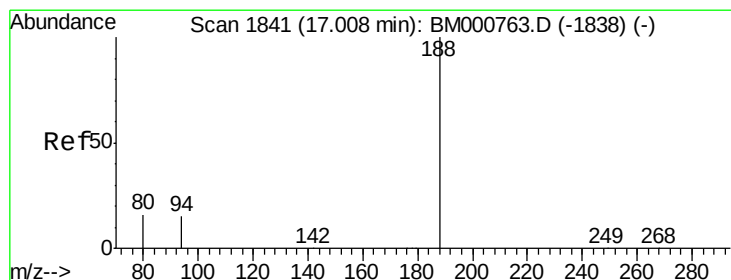
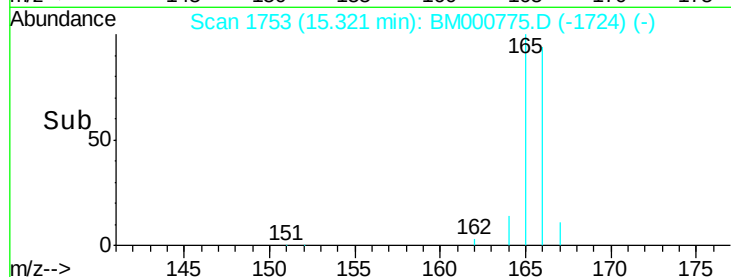
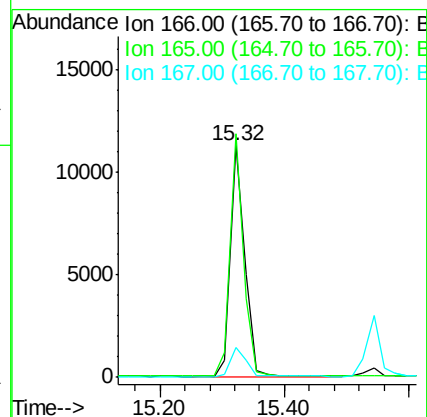
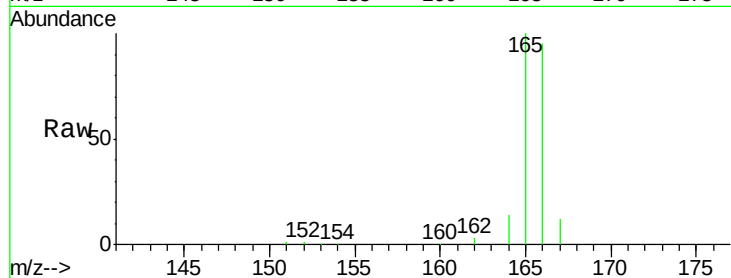
Tgt Ion:166 Resp: 18001

Ion Ratio Lower Upper

166 100

165 98.2 78.2 117.2

167 13.3 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: BM000775.D

Acq: 01 Apr 2015 04:22

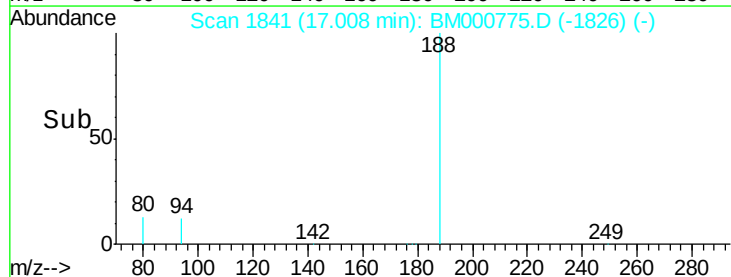
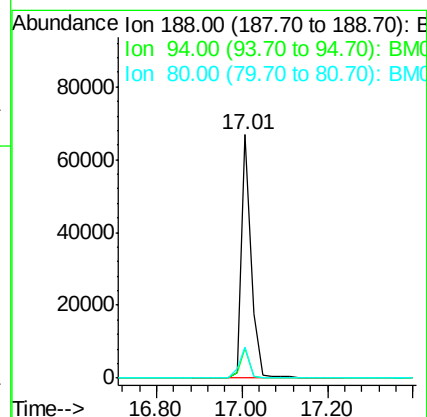
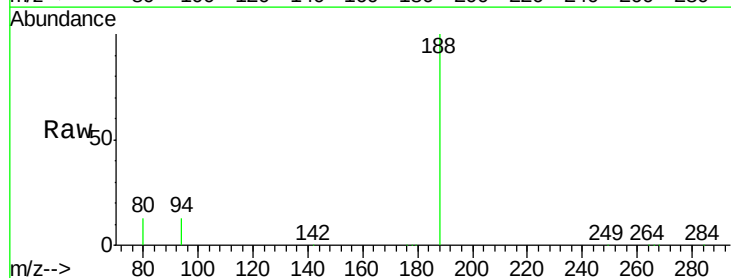
Tgt Ion:188 Resp: 109087

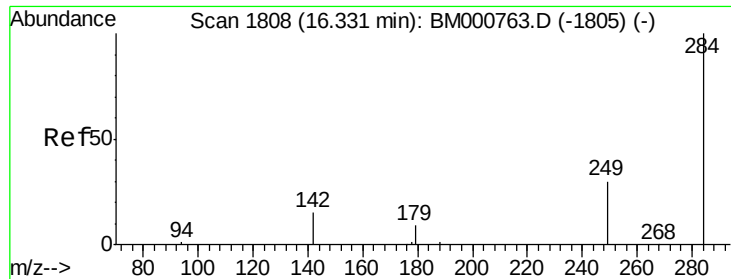
Ion Ratio Lower Upper

188 100

94 12.5 12.0 18.0

80 13.0 12.8 19.2

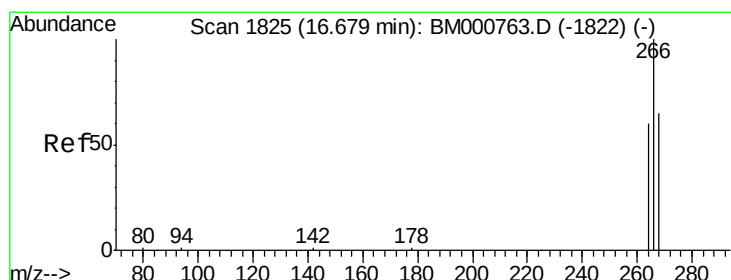
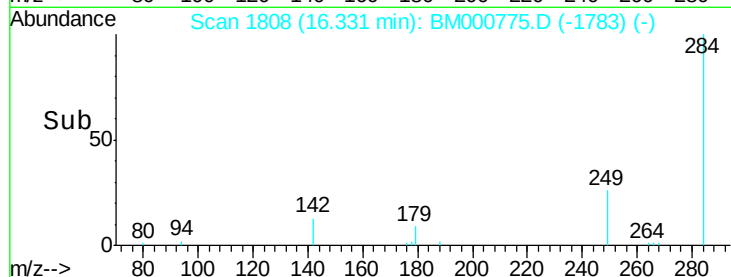
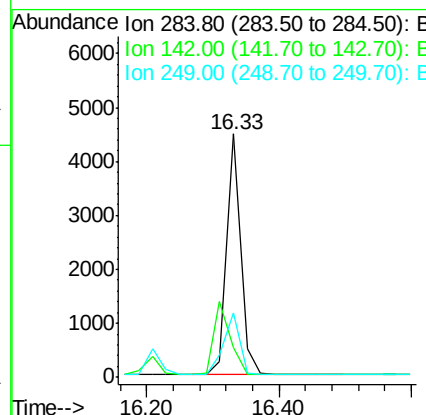
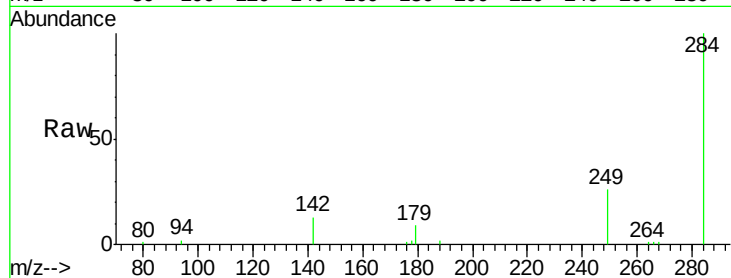




#14
Hexachlorobenzene
Concen: 1.01 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000775.D
Acq: 01 Apr 2015 04:22

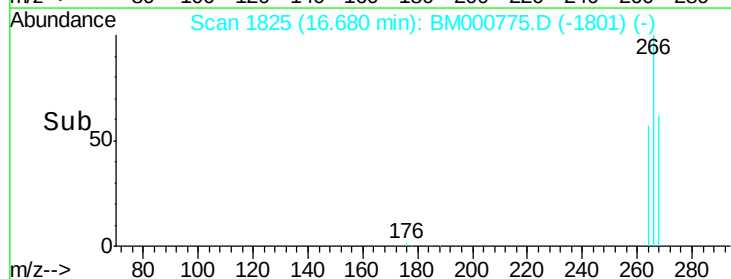
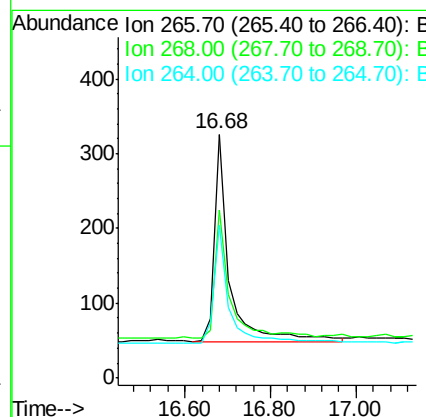
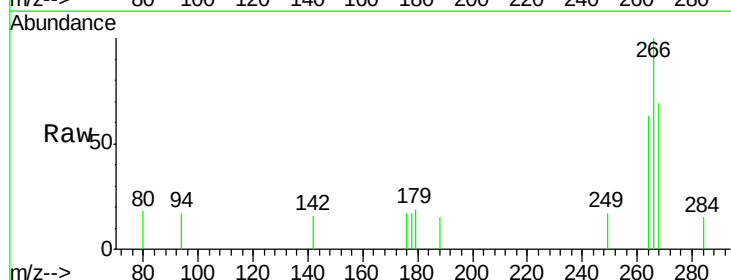
Instrument :
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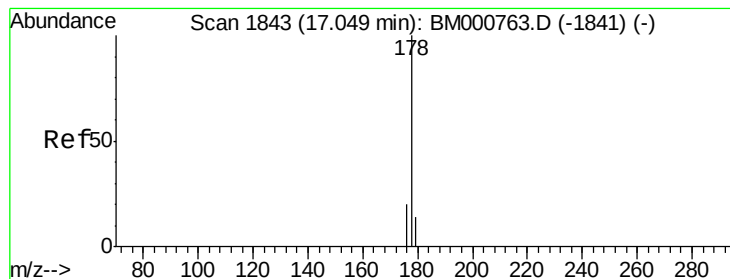
Tgt Ion: 284 Resp: 6437
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 29.6 25.2 37.8



#15
Pentachlorophenol
Concen: 0.76 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000775.D
Acq: 01 Apr 2015 04:22

Tgt Ion: 266 Resp: 666
Ion Ratio Lower Upper
266 100
268 68.7 55.0 82.6
264 62.9 51.0 76.4





#16

Phenanthrene

Concen: 1.00 ng

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

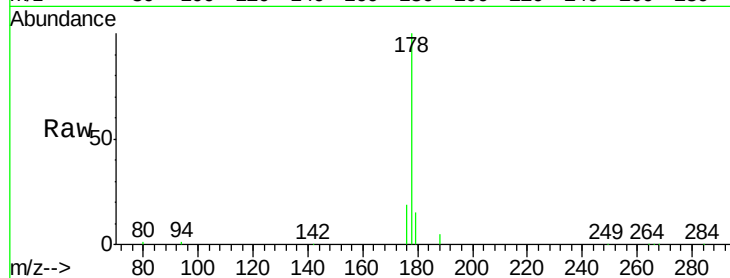
Tgt Ion:178 Resp: 29995

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

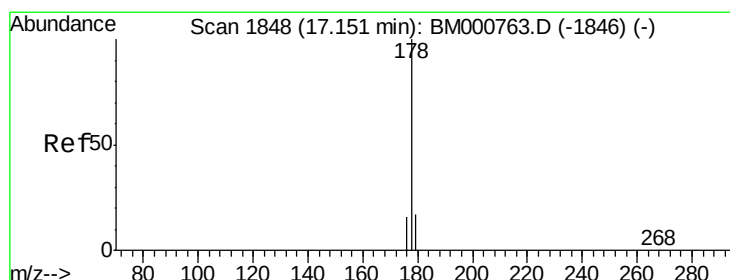
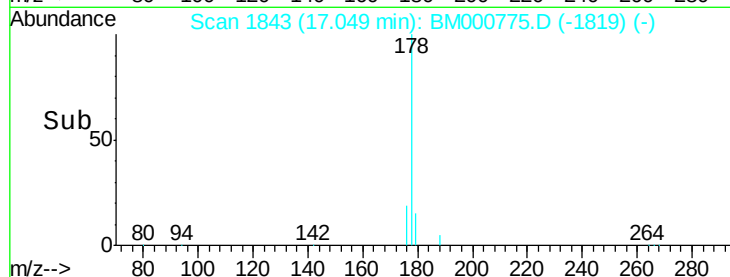
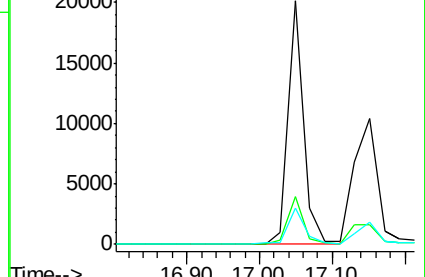
179 15.2 12.2 18.2



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: 0.96 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

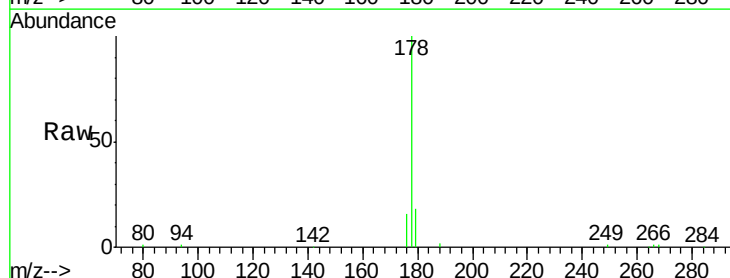
Tgt Ion:178 Resp: 23924

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

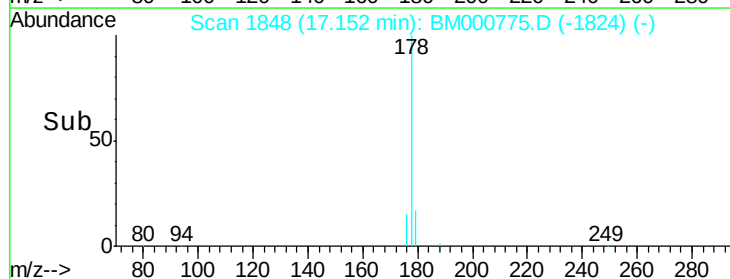
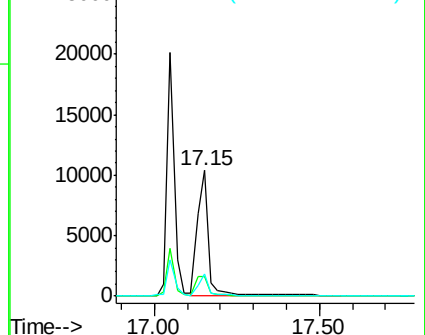
179 15.7 12.2 18.4

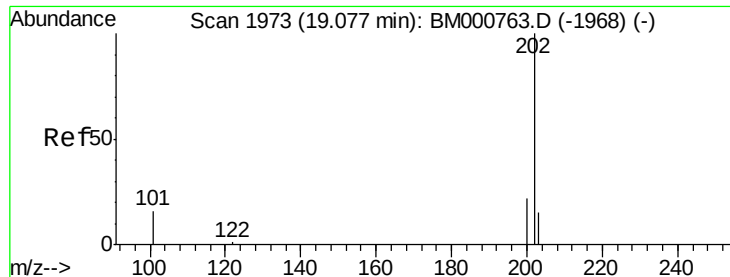


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

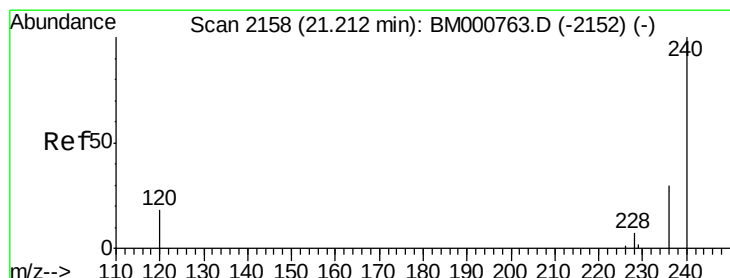
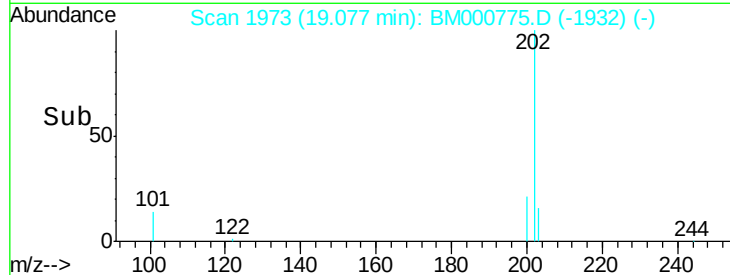
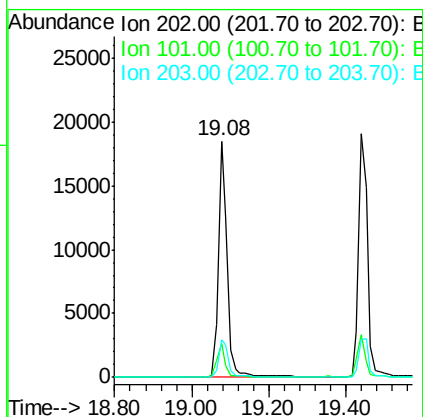
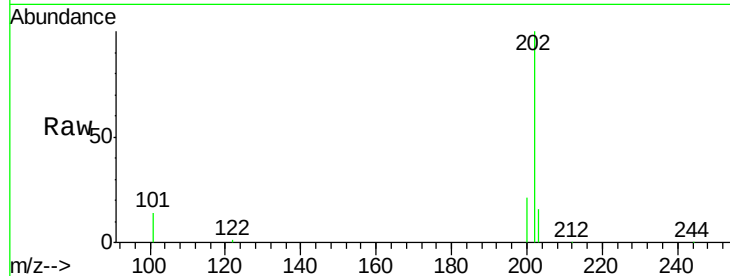




#18
 Fluoranthene
 Concen: 0.97 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BM000775.D
 Acq: 01 Apr 2015 04:22

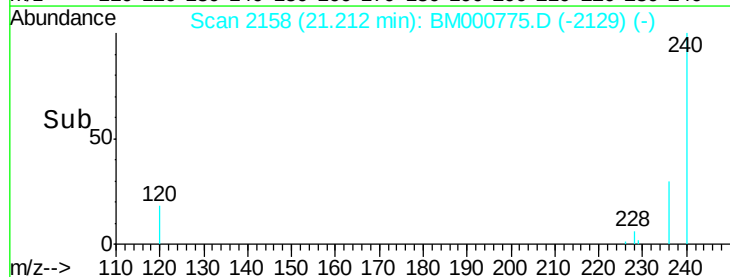
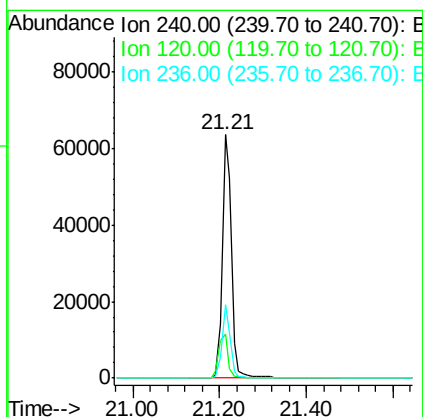
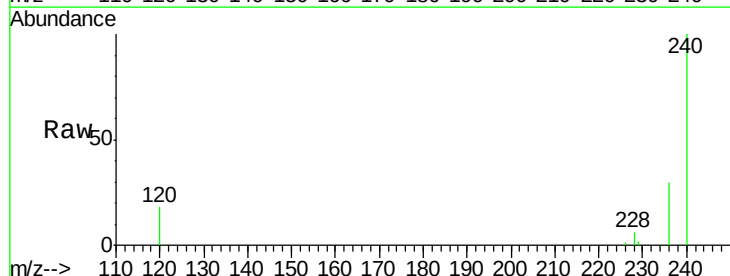
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

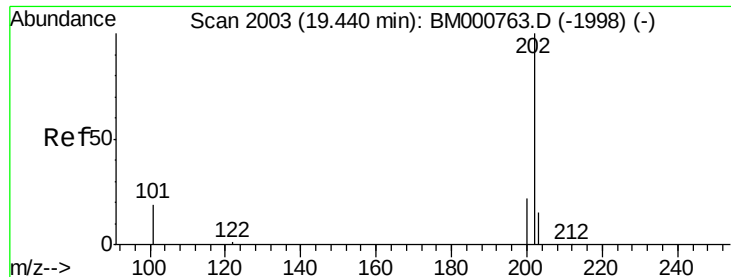
Tgt Ion:202 Resp: 28637
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.5 15.7
 203 17.1 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000775.D
 Acq: 01 Apr 2015 04:22

Tgt Ion:240 Resp: 91607
 Ion Ratio Lower Upper
 240 100
 120 18.0 14.9 22.3
 236 30.2 24.2 36.4

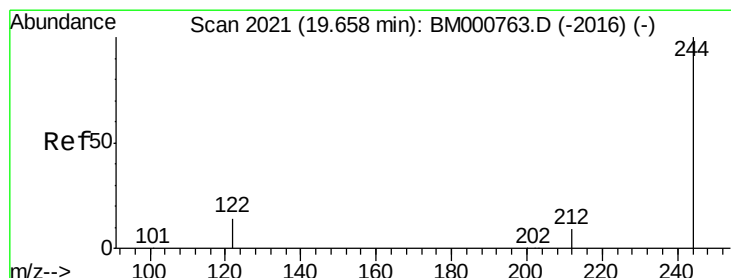
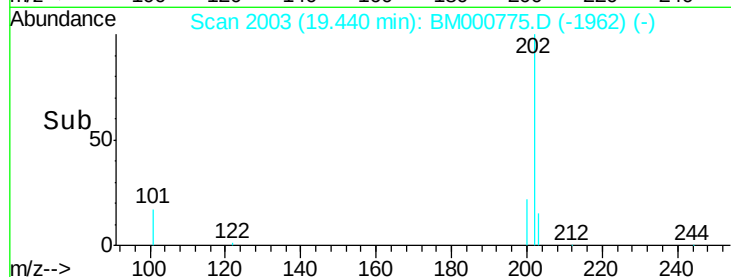
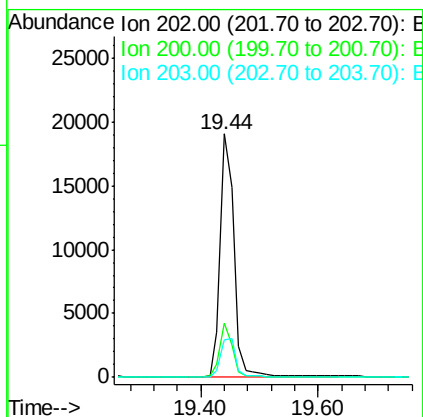
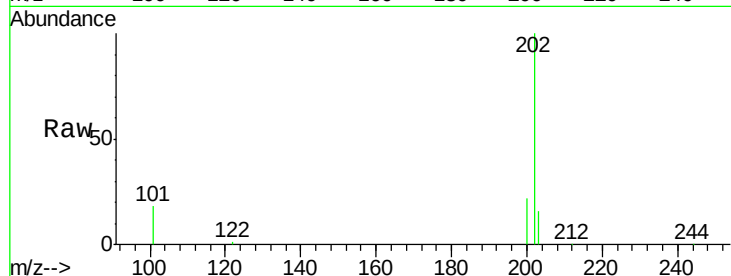




#20
 Pyrene
 Concen: 1.01 ng
 RT: 19.44 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BM000775.D
 Acq: 01 Apr 2015 04:22

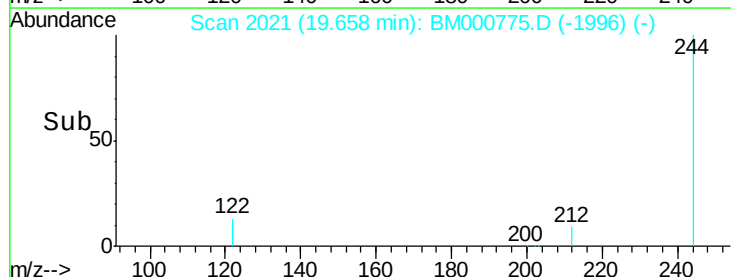
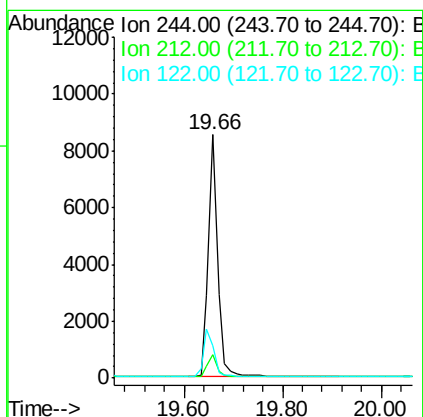
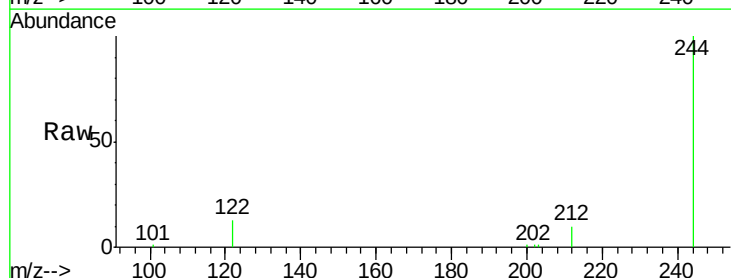
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

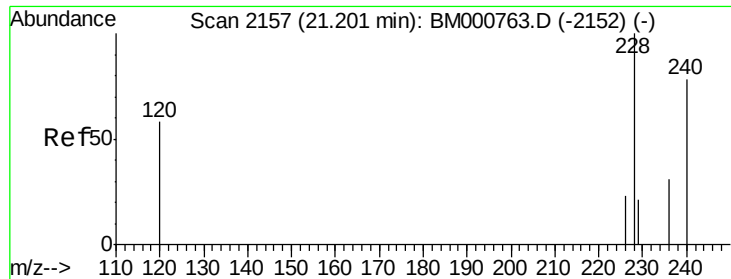
Tgt Ion:202 Resp: 30065
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.3 13.9 20.9



#21
 Terphenyl-d14
 Concen: 1.02 ng
 RT: 19.66 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BM000775.D
 Acq: 01 Apr 2015 04:22

Tgt Ion:244 Resp: 11286
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.8 11.6
 122 13.1 11.8 17.8





#22

Benzo(a)anthracene

Concen: 0.97 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

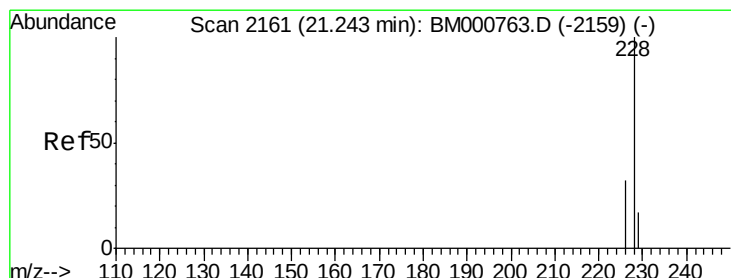
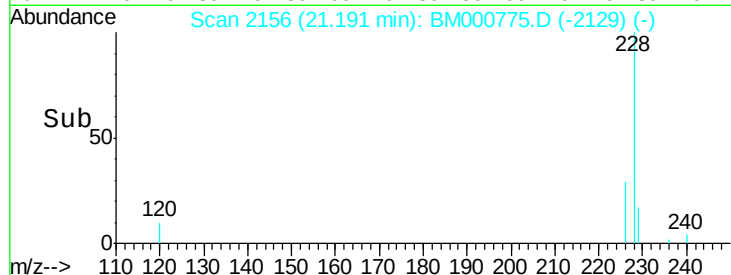
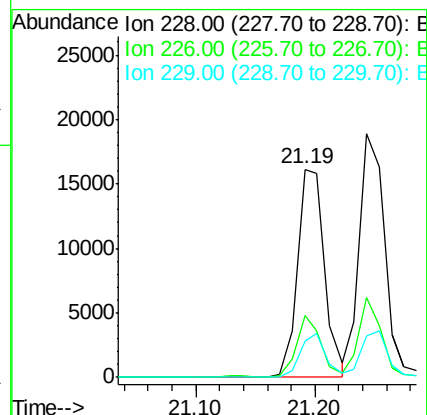
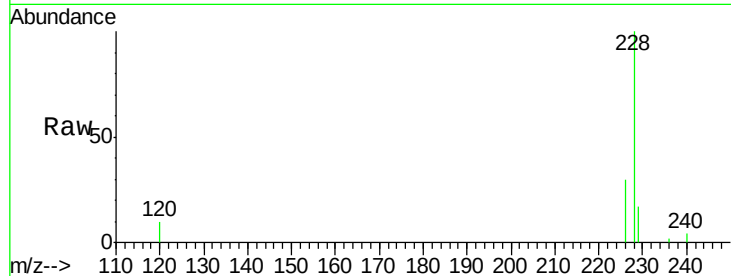
Tgt Ion:228 Resp: 25420

Ion Ratio Lower Upper

228 100

226 29.7 18.6 27.8#

229 17.4 17.2 25.8



#23

Chrysene

Concen: 1.03 ng

RT: 21.24 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

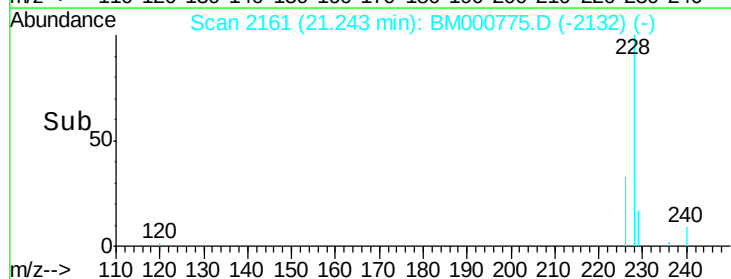
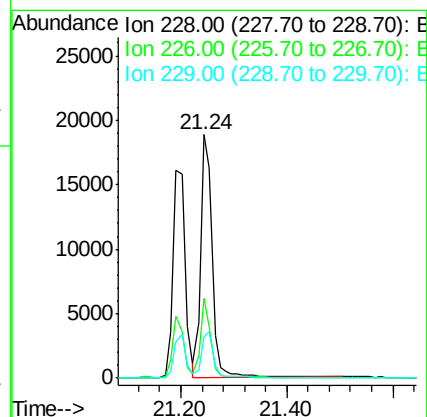
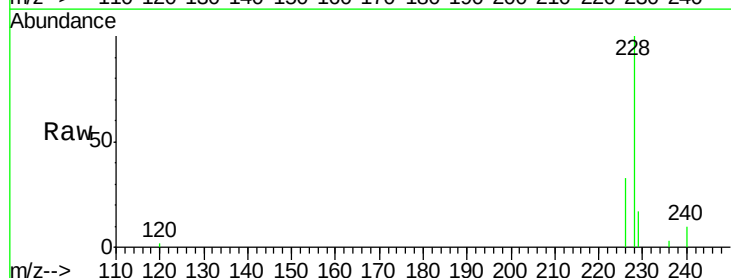
Tgt Ion:228 Resp: 28302

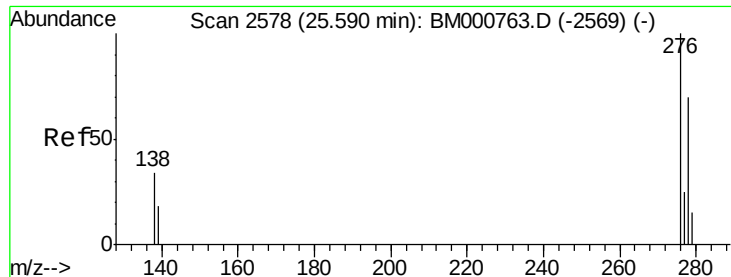
Ion Ratio Lower Upper

228 100

226 32.7 25.8 38.8

229 17.2 13.8 20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.03 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

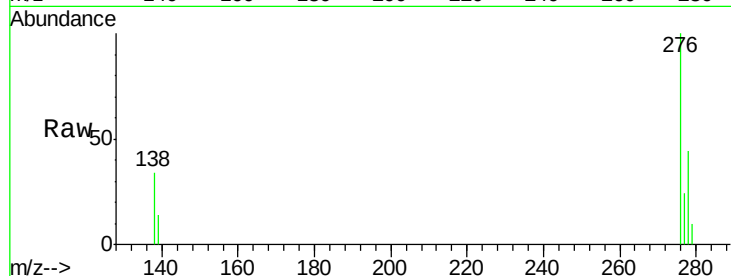
Tgt Ion:276 Resp: 29158

Ion Ratio Lower Upper

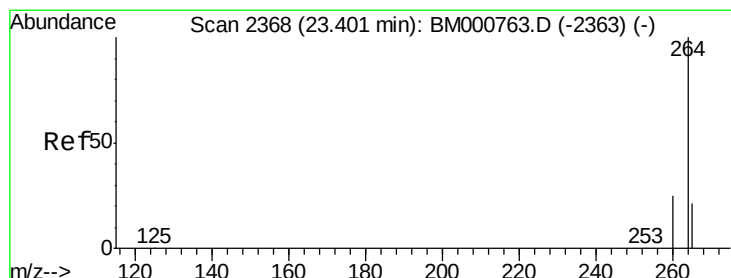
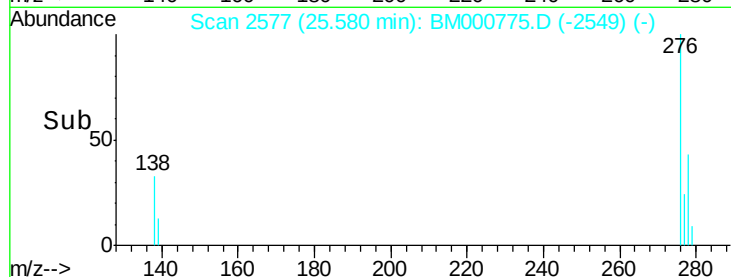
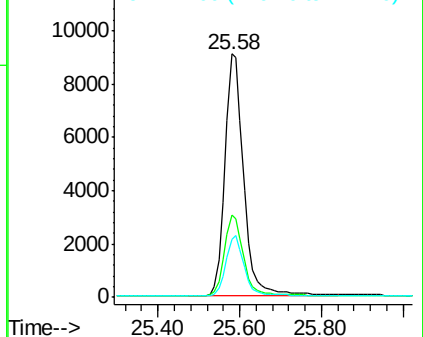
276 100

138 34.1 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: BM000775.D

Acq: 01 Apr 2015 04:22

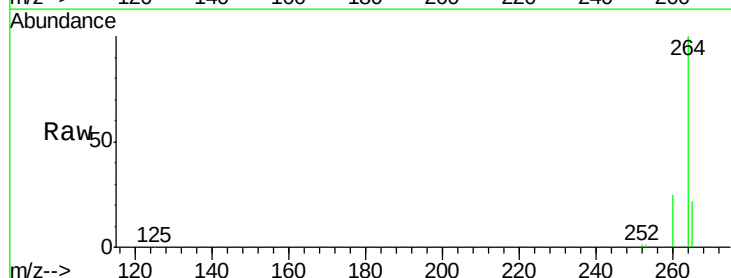
Tgt Ion:264 Resp: 83495

Ion Ratio Lower Upper

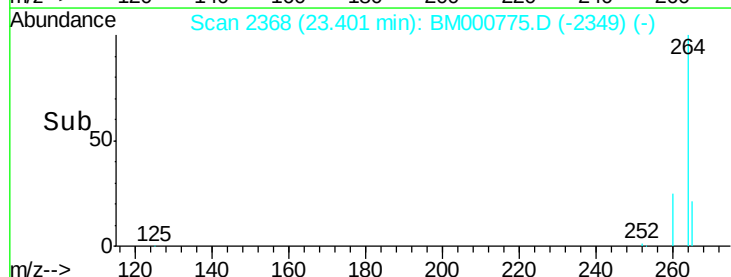
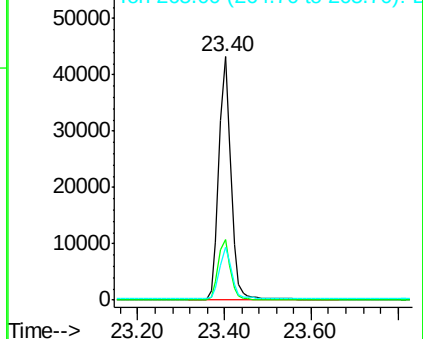
264 100

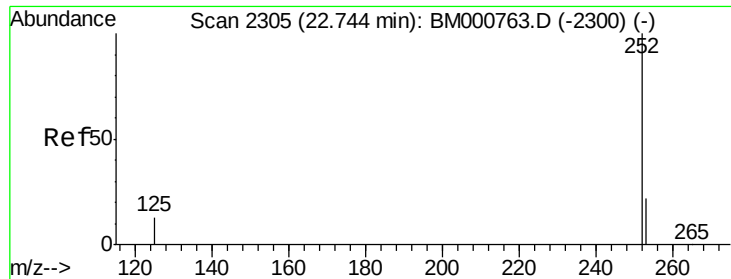
260 25.0 20.1 30.1

265 21.6 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: 1.01 ng

RT: 22.74 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

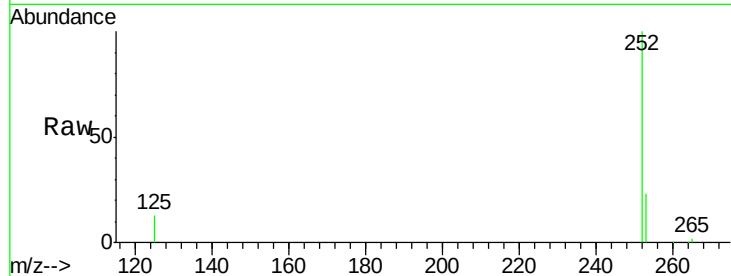
Tgt Ion:252 Resp: 26620

Ion Ratio Lower Upper

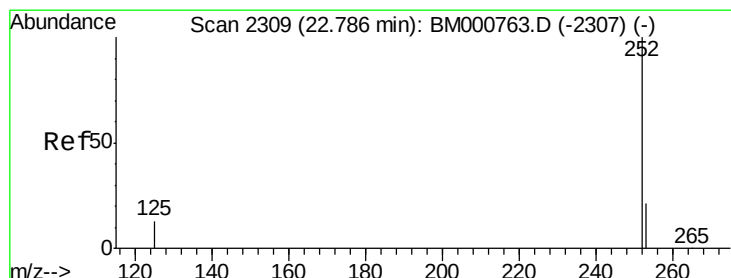
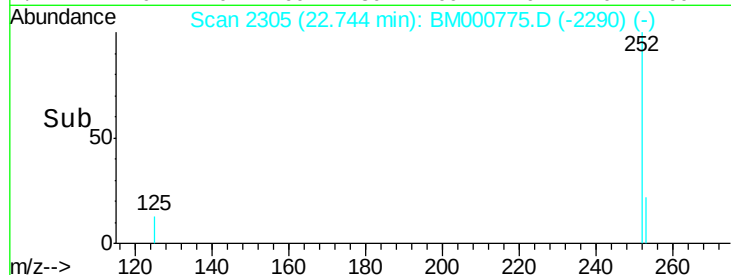
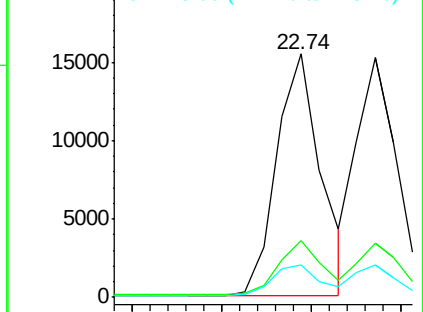
252 100

253 23.3 18.5 27.7

125 13.2 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: 1.02 ng

RT: 22.79 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

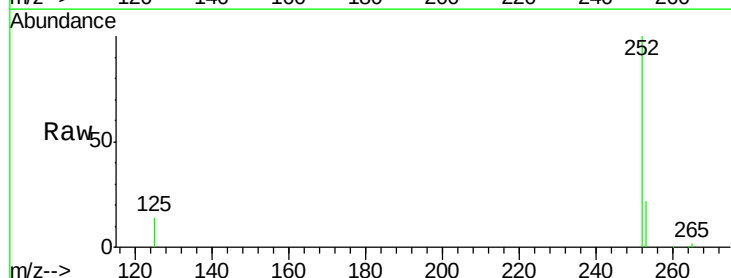
Tgt Ion:252 Resp: 25690

Ion Ratio Lower Upper

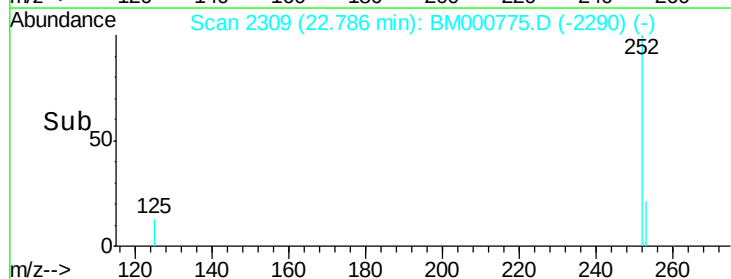
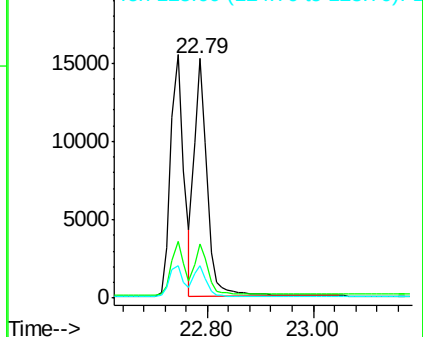
252 100

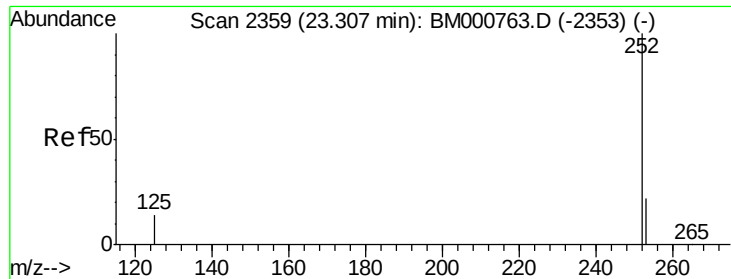
253 22.4 17.9 26.9

125 13.6 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: 0.99 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

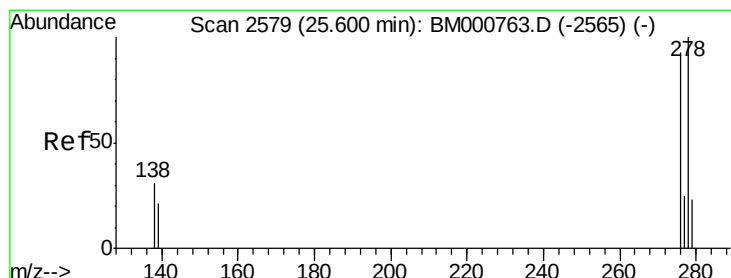
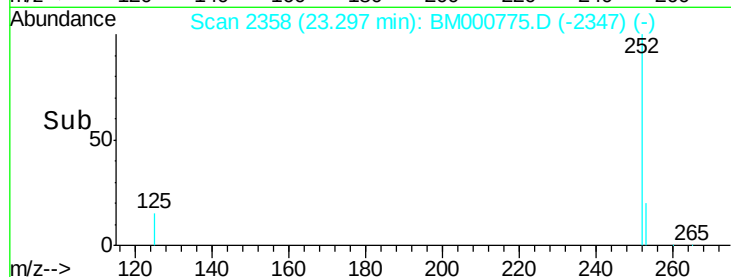
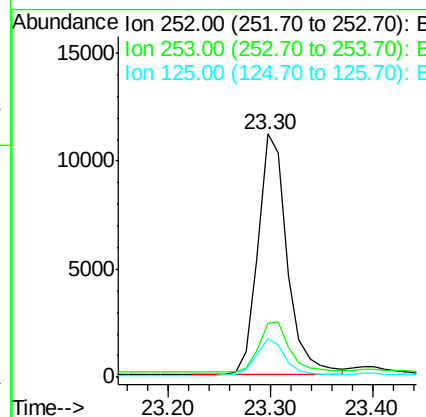
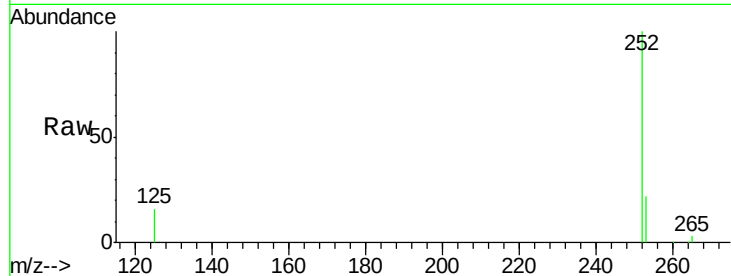
Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Tgt Ion:	252	Resp:	22369
Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.4	29.2
125	15.8	11.5	17.3



#29

Dibenzo(a,h)anthracene

Concen: 1.03 ng

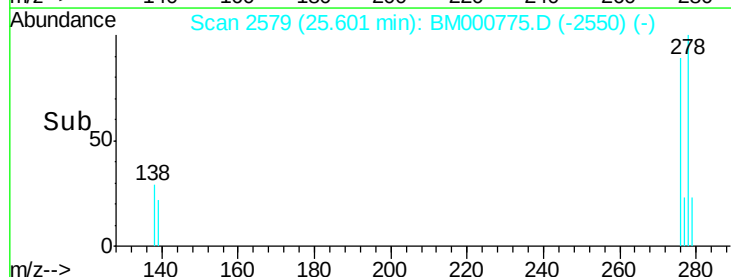
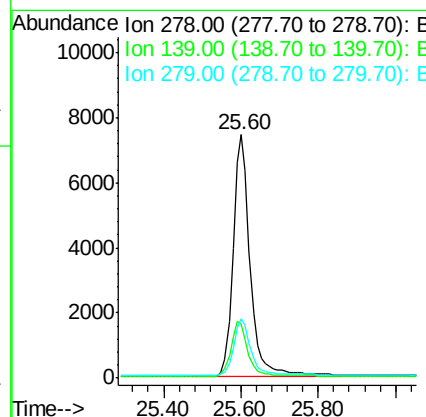
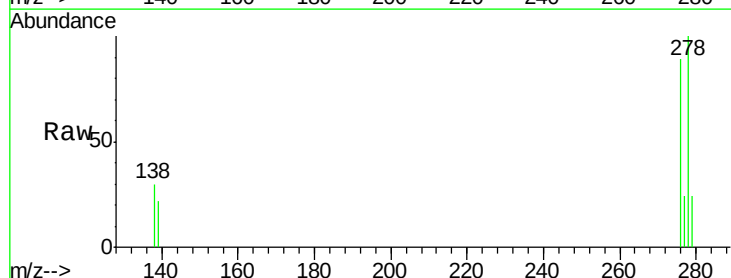
RT: 25.60 min Scan# 2579

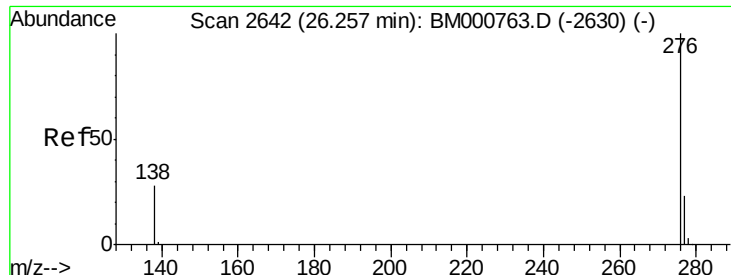
Delta R.T. 0.00 min

Lab File: BM000775.D

Acq: 01 Apr 2015 04:22

Tgt Ion:	278	Resp:	22889
Ion	Ratio	Lower	Upper
278	100		
139	22.4	17.8	26.6
279	24.3	19.3	28.9





#30

Benzo(g,h,i)perylene

Concen: 1.03 ng

RT: 26.26 min Scan# 2642

Delta R.T. 0.00 min

Lab File: BM000775.D

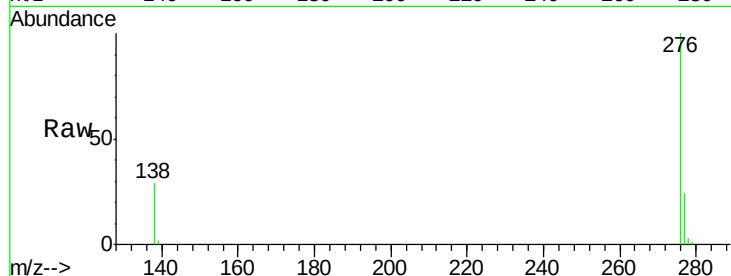
Acq: 01 Apr 2015 04:22

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



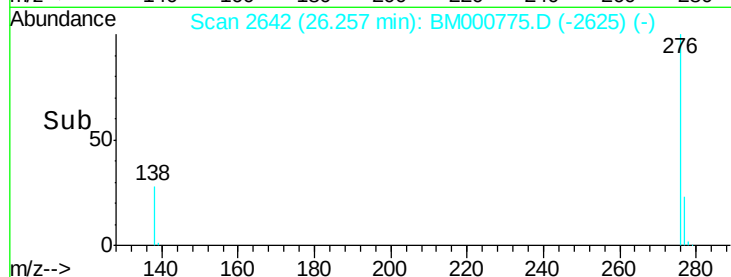
Tgt Ion: 276 Resp: 24816

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 29.0 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

