

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000902.D
 Acq On : 08 Apr 2015 10:33
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 09 03:33:30 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	29284	5.00	ng	-0.01
4) Naphthalene-d8	10.39	136	101700	5.00	ng	-0.01
8) Acenaphthene-d10	14.26	164	52130	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	109283	5.00	ng	0.00
19) Chrysene-d12	21.21	240	94676	5.00	ng	0.00
25) Perylene-d12	23.39	264	85620	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.76	82	4735	0.93	ng	-0.01
9) 2-Fluorobiphenyl	12.88	172	15797	0.98	ng	-0.01
21) Terphenyl-d14	19.65	244	11825	1.04	ng	-0.01

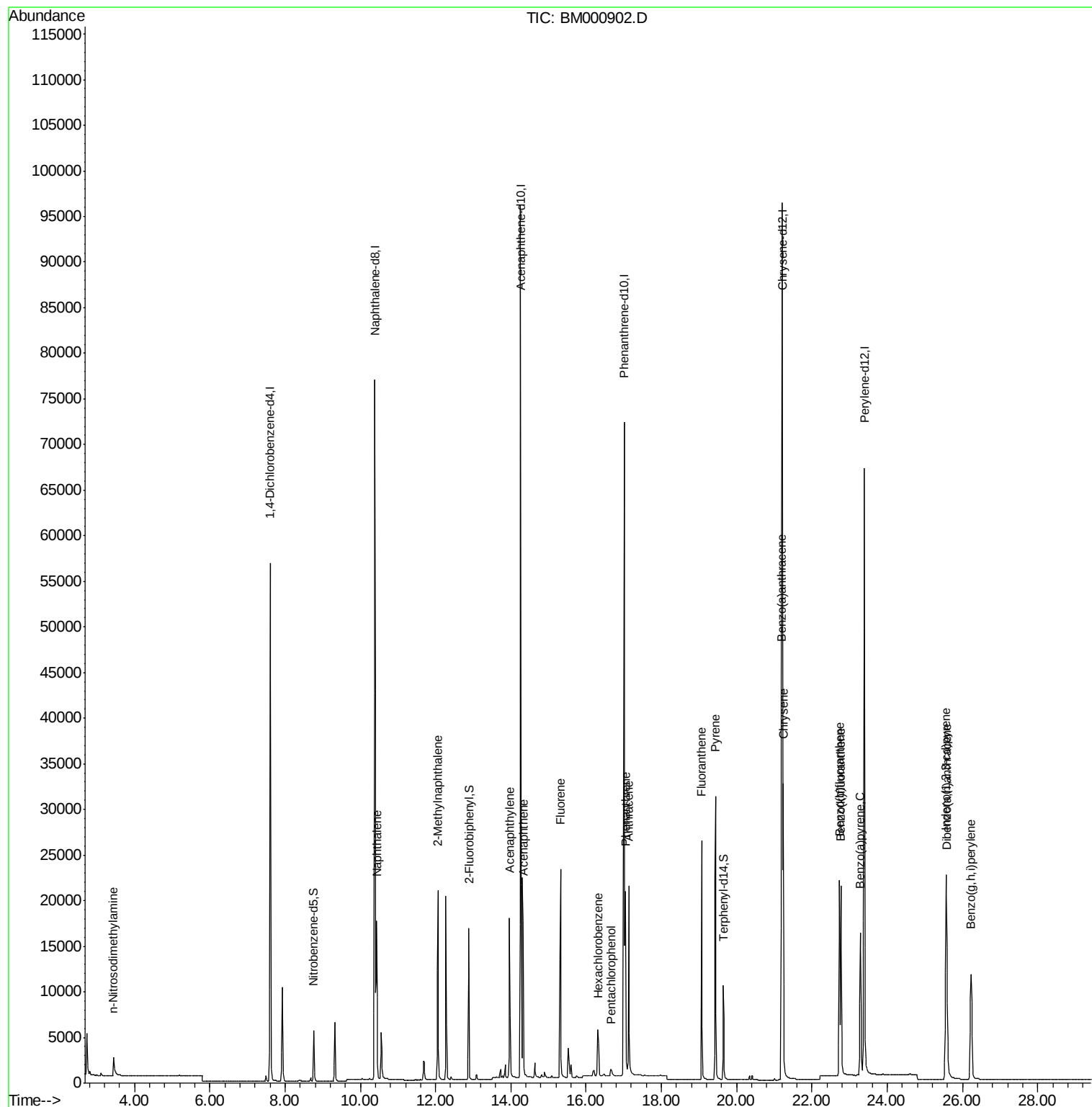
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.44	42	2727	0.96	ng	95
6) Naphthalene	10.44	128	23312	0.99	ng	100
7) 2-Methylnaphthalene	12.06	142	15176	1.02	ng	98
10) Acenaphthylene	13.97	152	22047	0.96	ng	100
11) Acenaphthene	14.33	154	15183	0.95	ng	99
12) Fluorene	15.32	166	17788	0.99	ng	99
14) Hexachlorobenzene	16.33	284	5925	0.93	ng	# 43
15) Pentachlorophenol	16.66	266	1145	1.03	ng	88
16) Phenanthrene	17.05	178	27874	0.93	ng	99
17) Anthracene	17.13	178	26459	1.05	ng	99
18) Fluoranthene	19.08	202	29770	1.01	ng	99
20) Pyrene	19.44	202	31241	1.01	ng	100
22) Benzo(a)anthracene	21.19	228	26053	0.96	ng	96
23) Chrysene	21.24	228	28403	1.00	ng	91
24) Indeno(1,2,3-cd)pyrene	25.57	276	27621	0.94	ng	98
26) Benzo(b)fluoranthene	22.73	252	26551	0.98	ng	99
27) Benzo(k)fluoranthene	22.78	252	25553	0.99	ng	99
28) Benzo(a)pyrene	23.29	252	22535	0.97	ng	96
29) Dibenzo(a,h)anthracene	25.58	278	20980	0.92	ng	99
30) Benzo(g,h,i)perylene	26.23	276	24007	0.97	ng	99

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

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Quant Time: Apr 09 03:33:30 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# 918

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

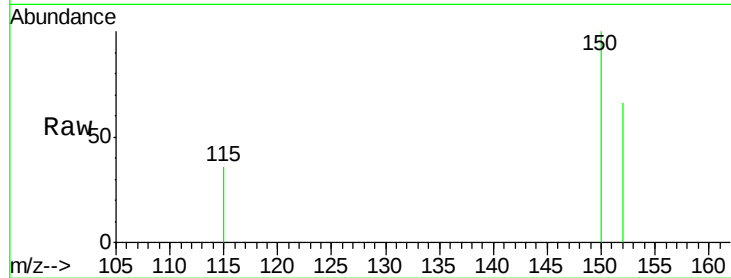
Tgt Ion:152 Resp: 29284

Ion Ratio Lower Upper

152 100

150 150.5 120.8 181.2

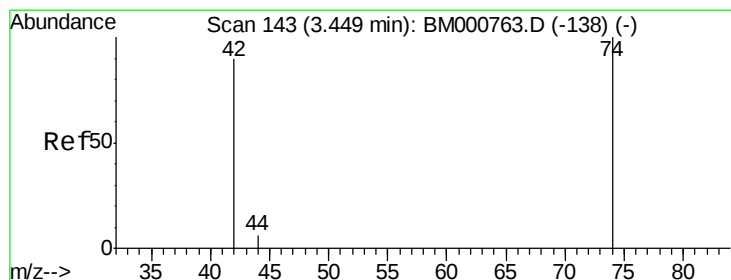
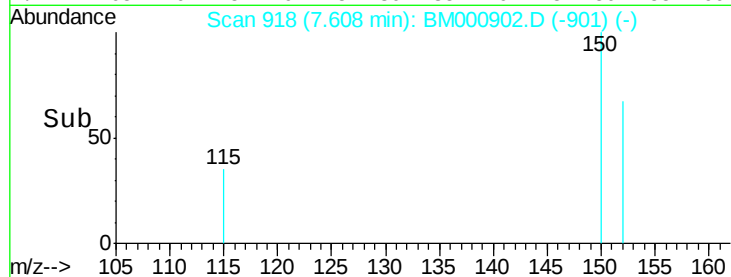
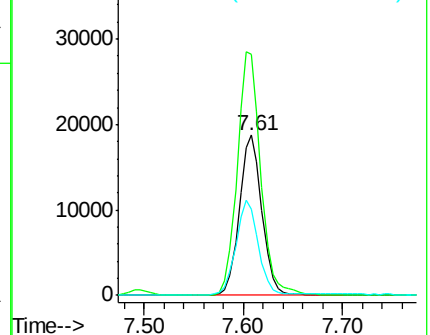
115 53.5 42.7 64.1



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: 0.96 ng

RT: 3.44 min Scan# 141

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

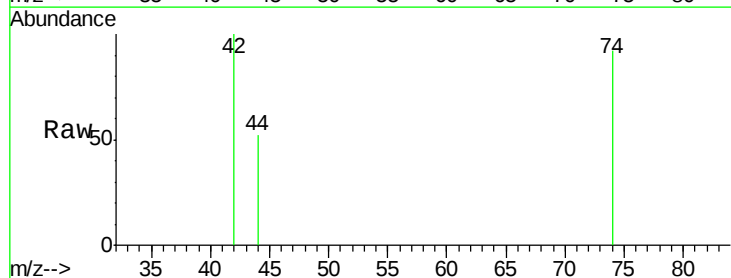
Tgt Ion: 42 Resp: 2727

Ion Ratio Lower Upper

42 100

74 111.7 93.6 140.4

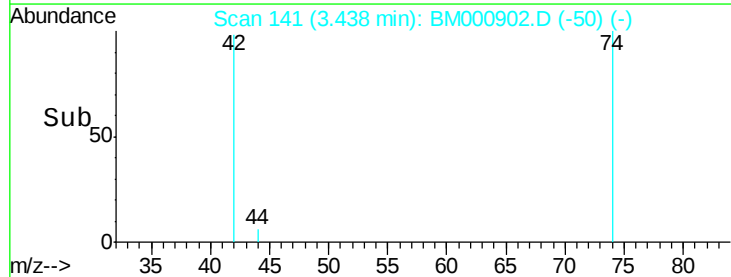
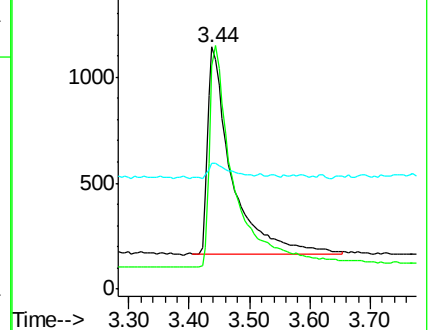
44 7.2 6.3 9.5

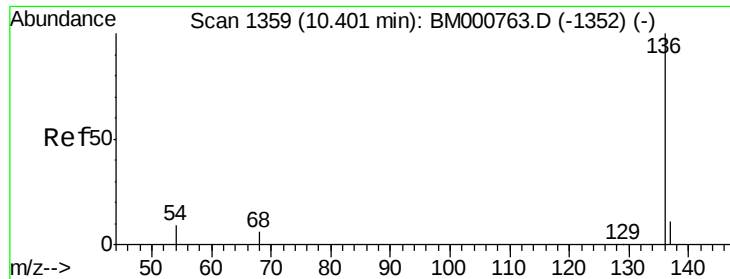


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: 10.39 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

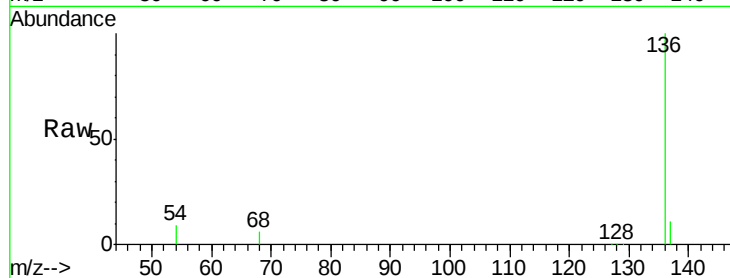
Tgt Ion:136 Resp: 101700

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

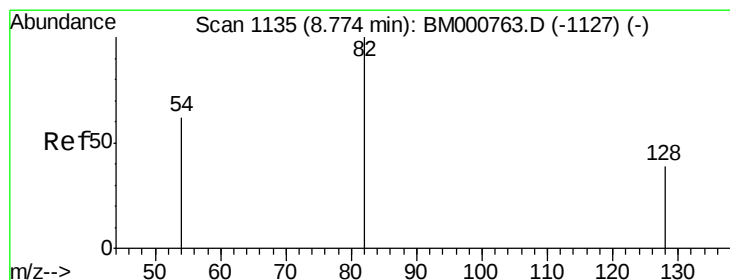
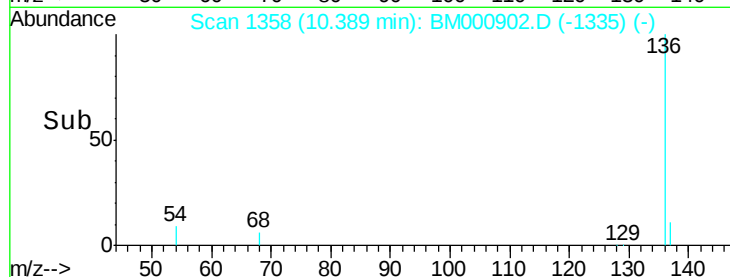
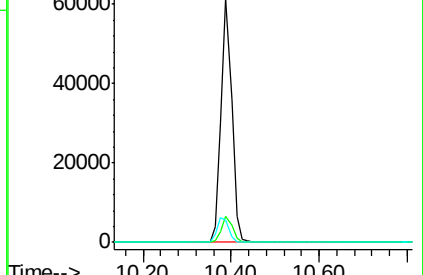
54 8.9 7.0 10.6



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: 0.93 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

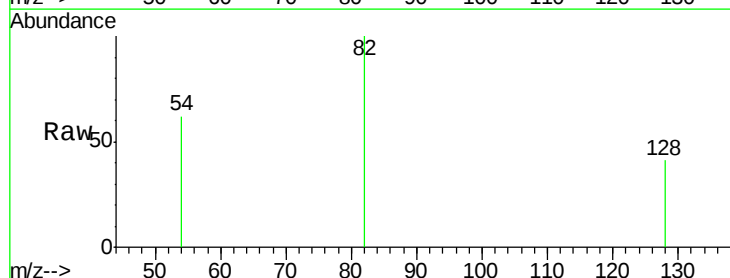
Tgt Ion: 82 Resp: 4735

Ion Ratio Lower Upper

82 100

128 40.8 32.2 48.2

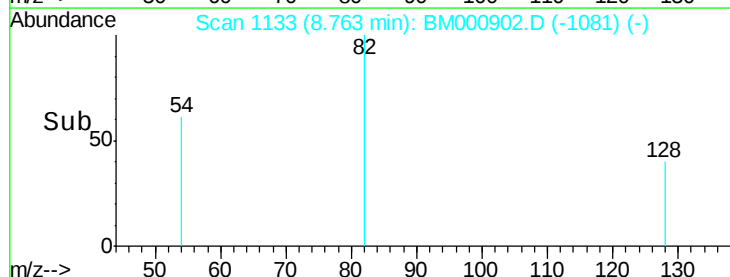
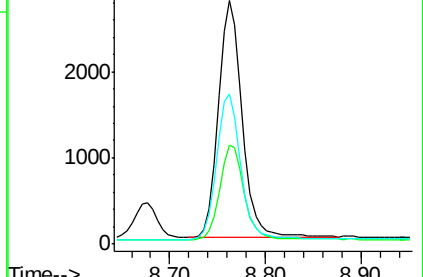
54 61.6 50.2 75.4



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: 0.99 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

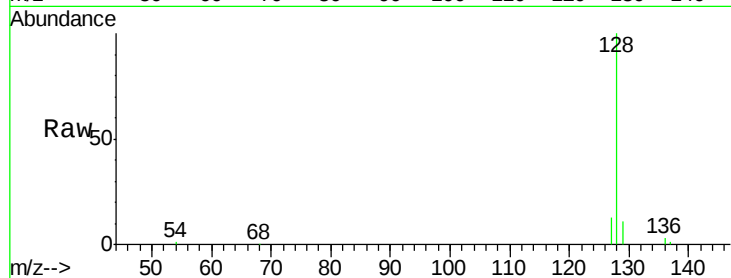
Tgt Ion:128 Resp: 23312

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

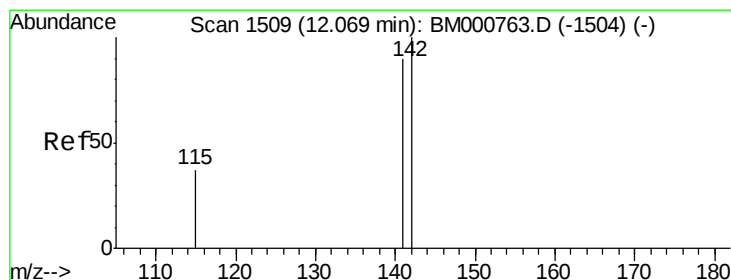
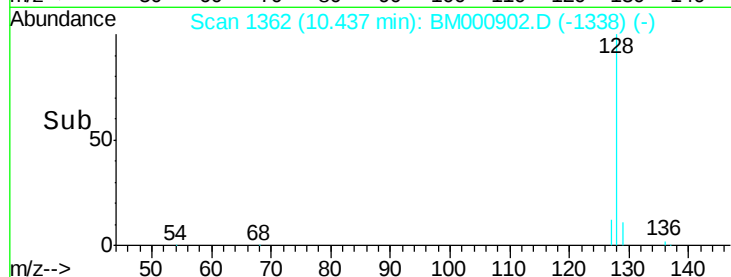
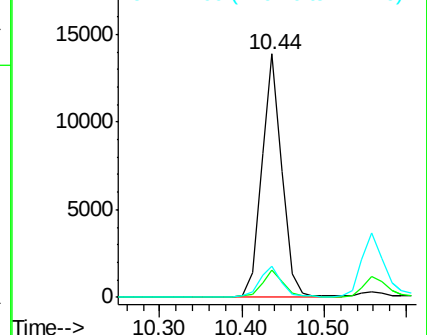
127 12.7 10.0 15.0



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: 1.02 ng

RT: 12.06 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

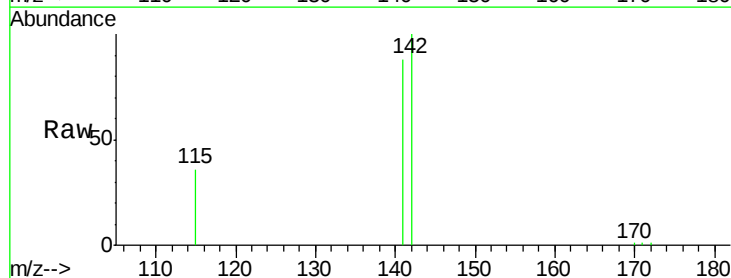
Tgt Ion:142 Resp: 15176

Ion Ratio Lower Upper

142 100

141 88.4 72.3 108.5

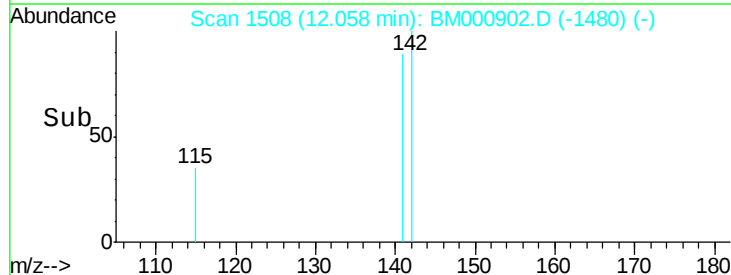
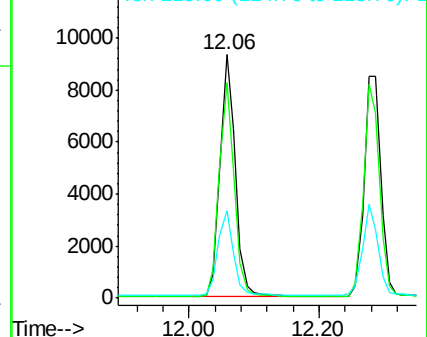
115 35.8 29.5 44.3



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: 14.26 min Scan# 1691

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

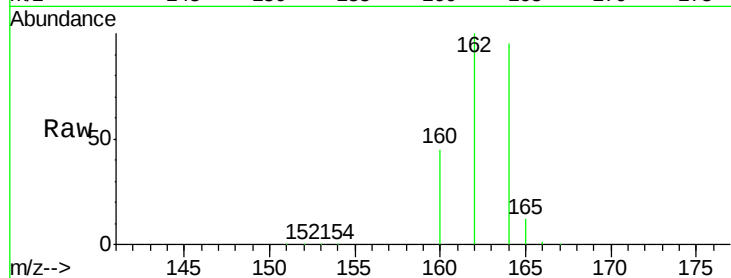
Tgt Ion:164 Resp: 52130

Ion Ratio Lower Upper

164 100

162 105.0 75.4 113.2

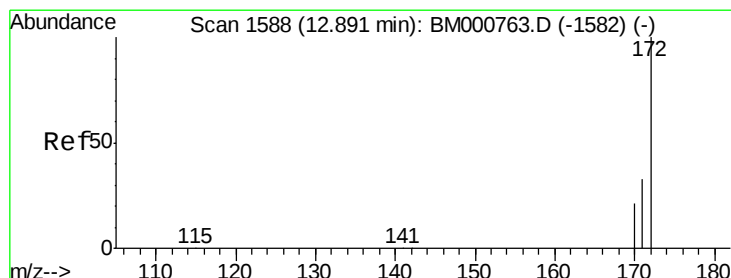
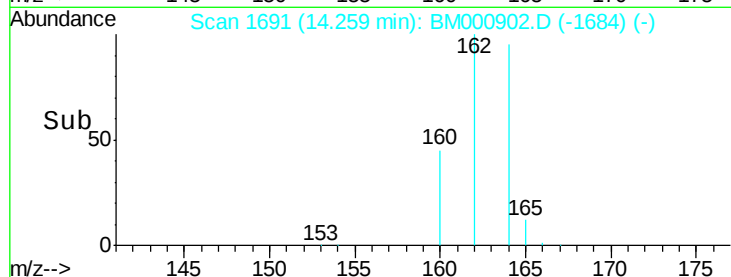
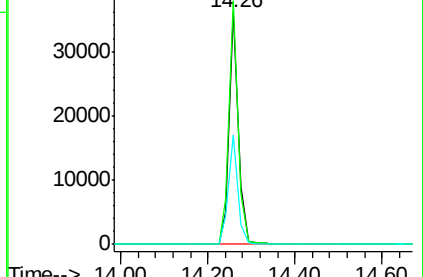
160 47.2 30.8 46.2#



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: 0.98 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

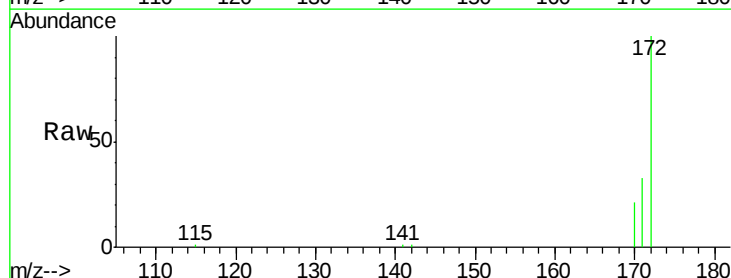
Tgt Ion:172 Resp: 15797

Ion Ratio Lower Upper

172 100

171 32.8 26.6 39.8

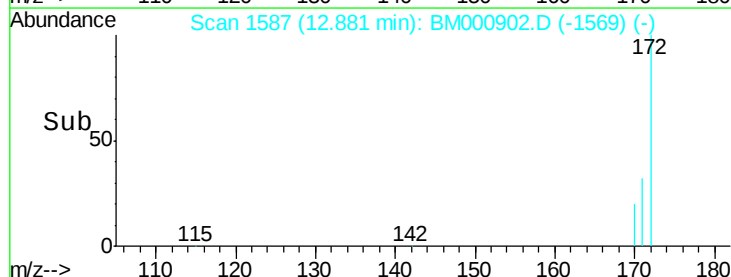
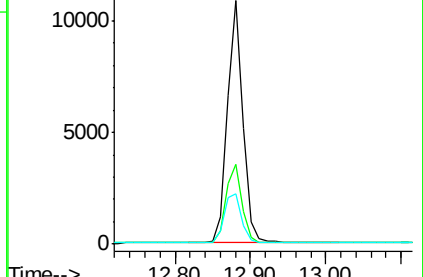
170 20.7 17.1 25.7



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: 0.96 ng

RT: 13.97 min Scan# 1674

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

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ClientSampleId :

SSTDCCC001

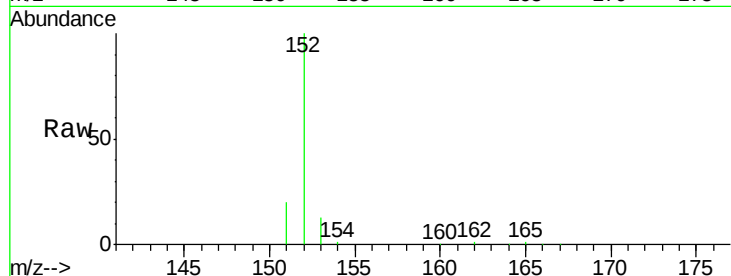
Tgt Ion:152 Resp: 22047

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7

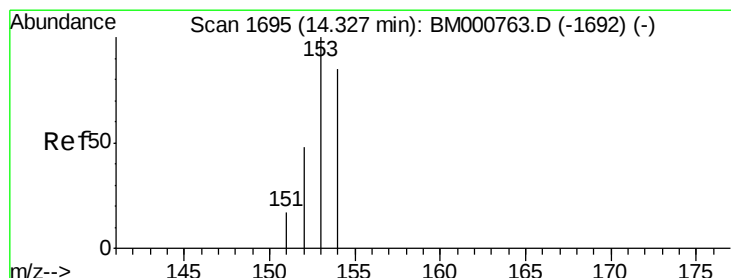
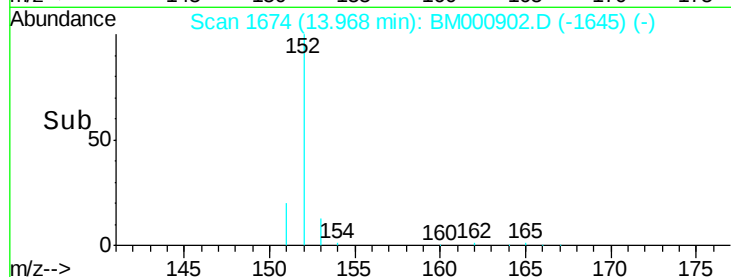
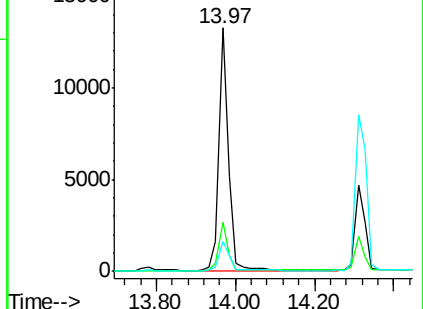
153 12.7 10.2 15.4



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: 0.95 ng

RT: 14.33 min Scan# 1695

Delta R.T. 0.00 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

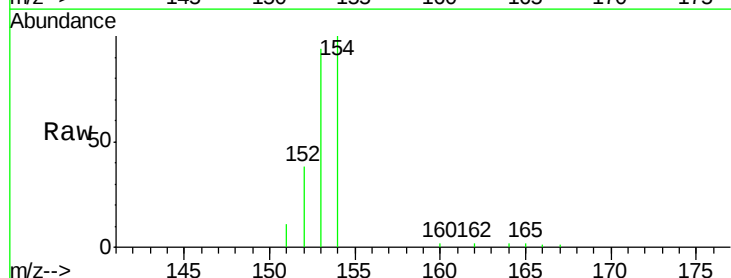
Tgt Ion:154 Resp: 15183

Ion Ratio Lower Upper

154 100

153 108.5 87.3 130.9

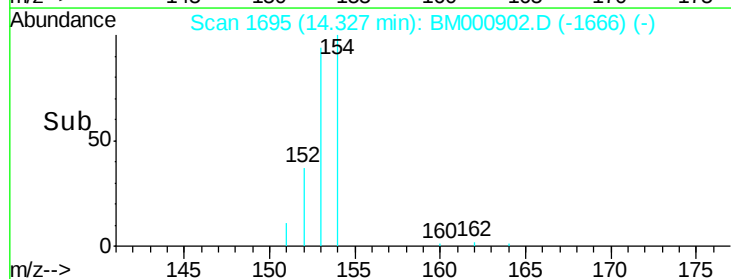
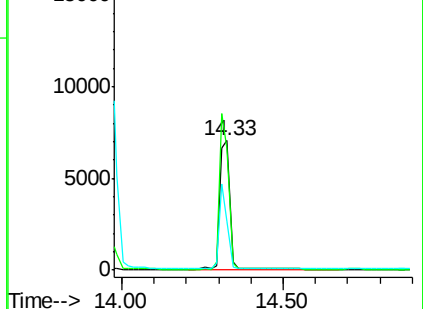
152 53.0 43.0 64.6



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: 0.99 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

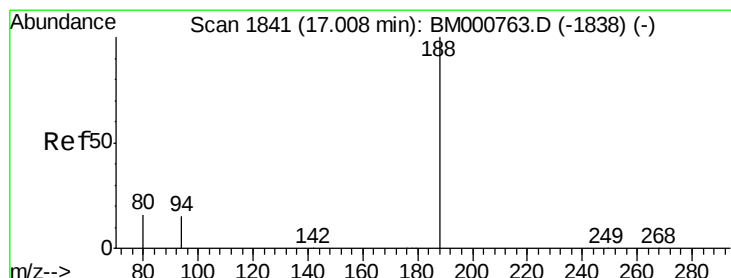
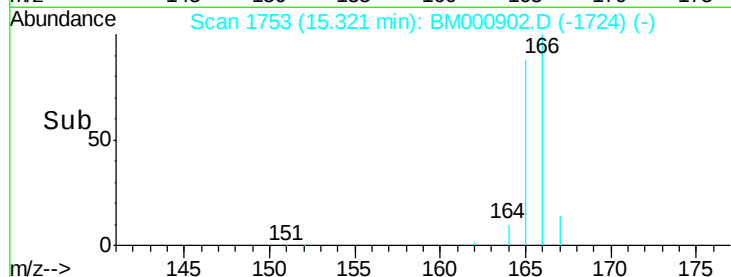
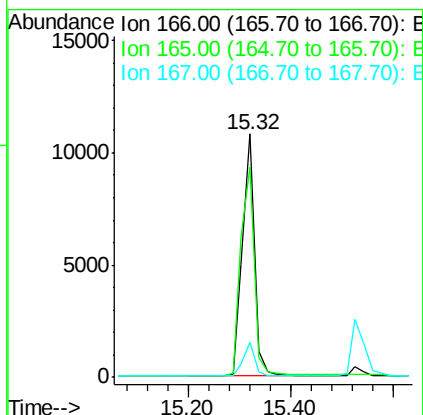
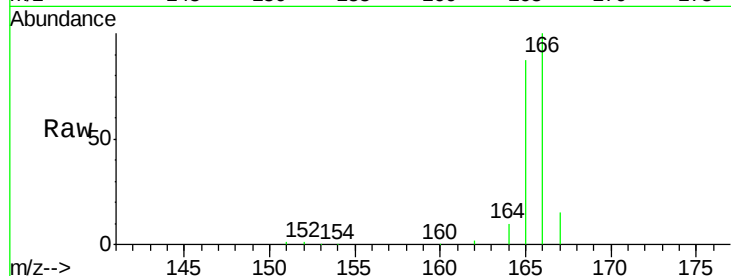
Tgt Ion:166 Resp: 17788

Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.2

167 13.4 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: BM000902.D

Acq: 08 Apr 2015 10:33

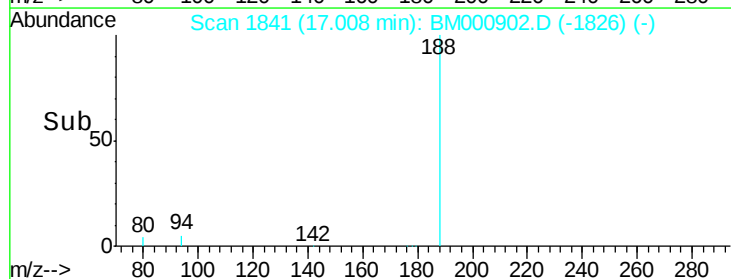
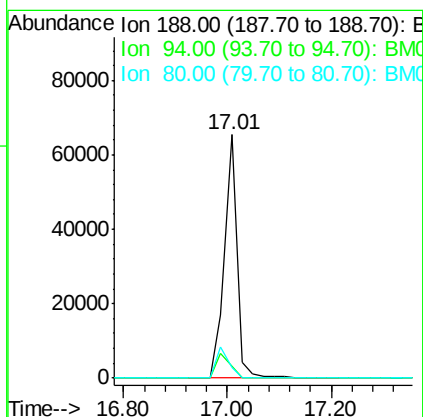
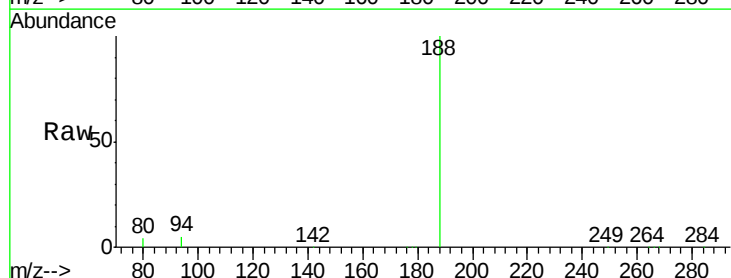
Tgt Ion:188 Resp: 109283

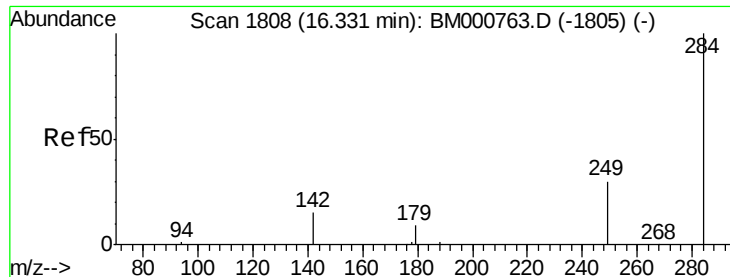
Ion Ratio Lower Upper

188 100

94 5.0 12.0 18.0#

80 4.4 12.8 19.2#

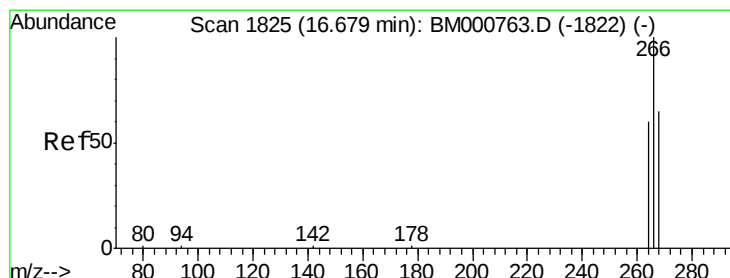
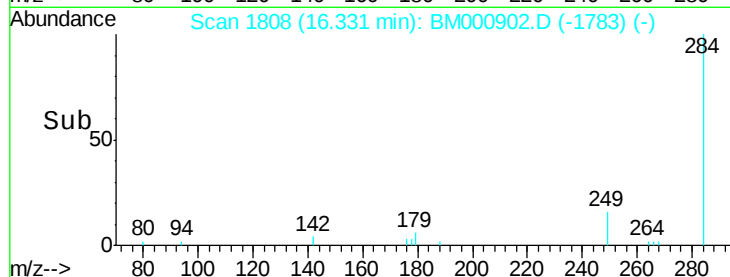
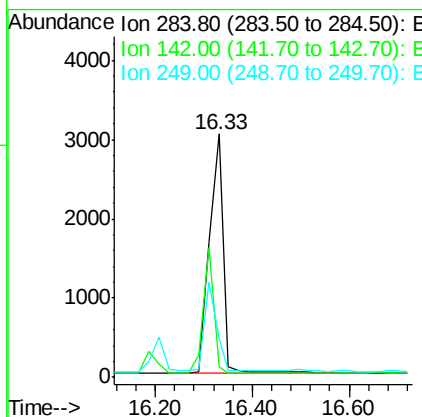
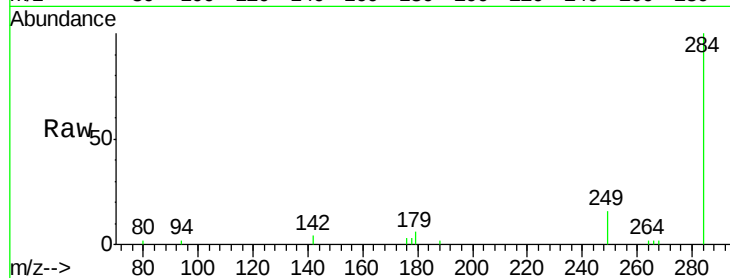




#14
Hexachlorobenzene
Concen: 0.93 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

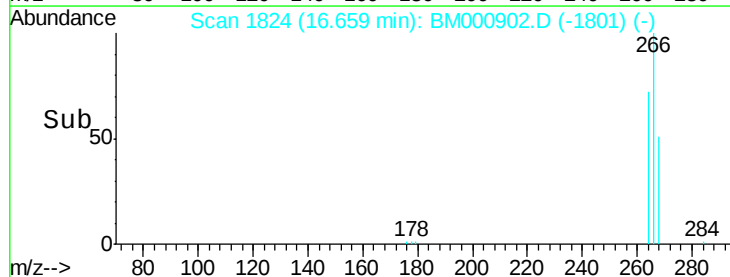
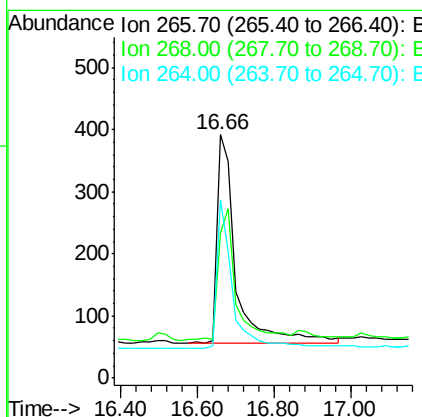
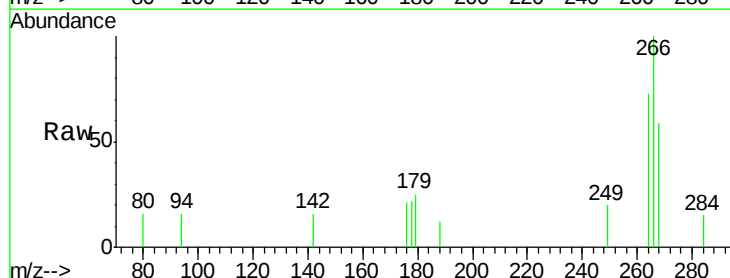
Instrument :
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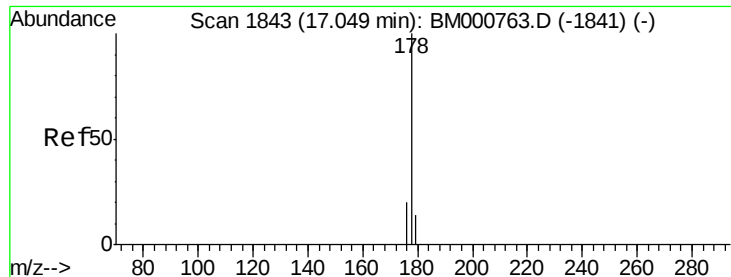
Tgt Ion: 284 Resp: 5925
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#



#15
Pentachlorophenol
Concen: 1.03 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

Tgt Ion: 266 Resp: 1145
Ion Ratio Lower Upper
266 100
268 59.4 55.0 82.6
264 73.5 51.0 76.4





#16

Phenanthrene

Concen: 0.93 ng

RT: 17.05 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

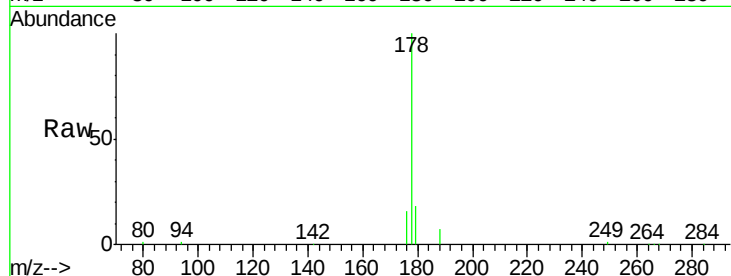
Tgt Ion:178 Resp: 27874

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

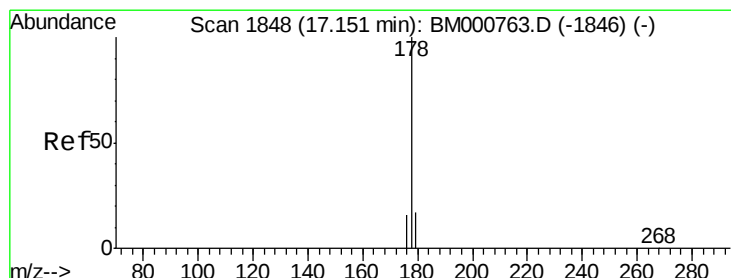
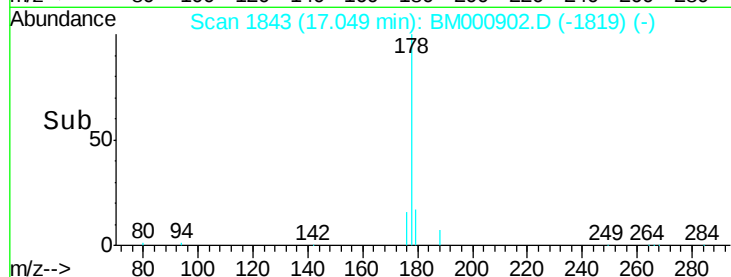
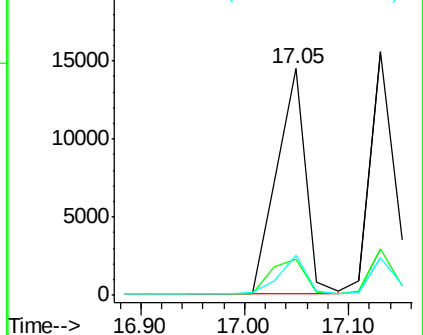
179 15.9 12.2 18.2



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: 1.05 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

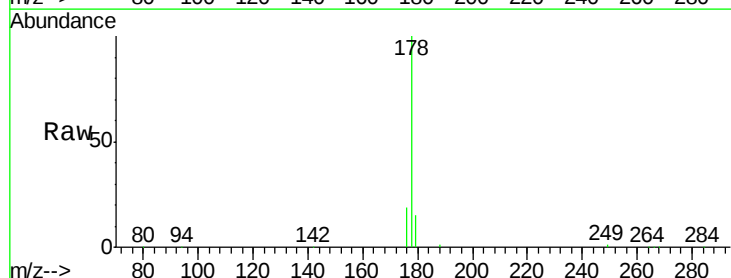
Tgt Ion:178 Resp: 26459

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

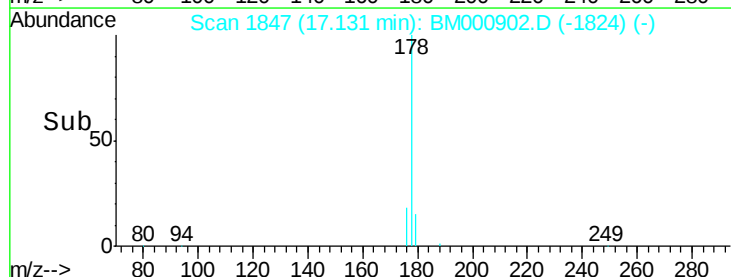
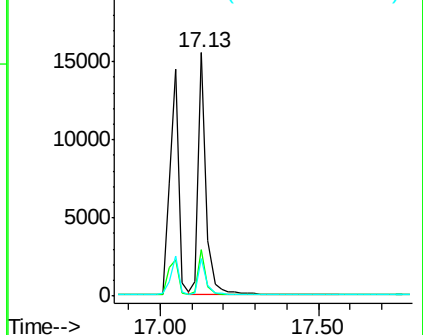
179 15.3 12.2 18.4



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

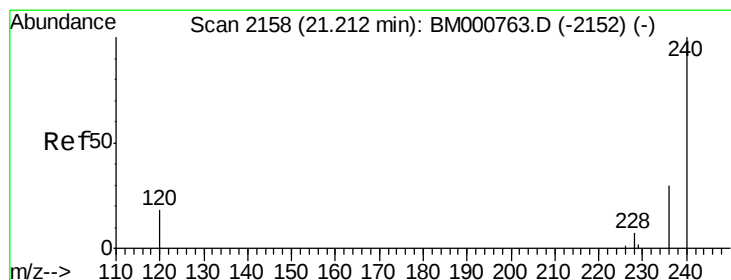
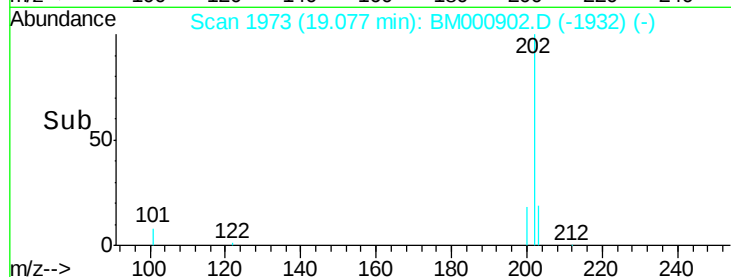
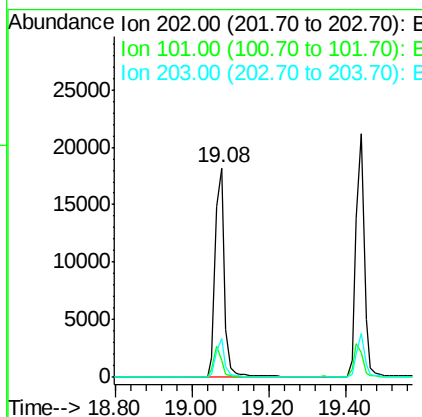
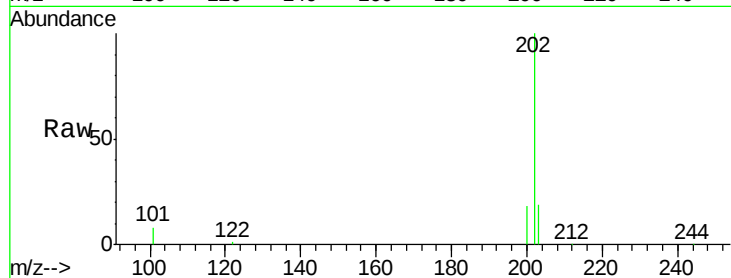




#18
 Fluoranthene
 Concen: 1.01 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000902.D
 Acq: 08 Apr 2015 10:33

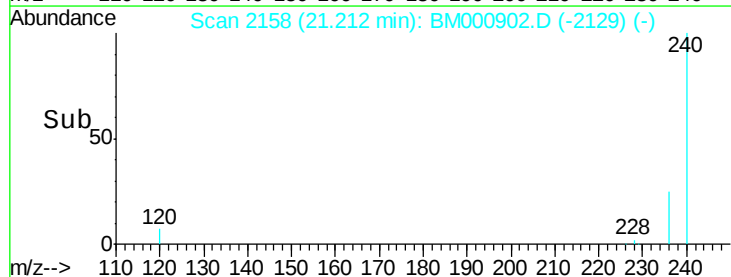
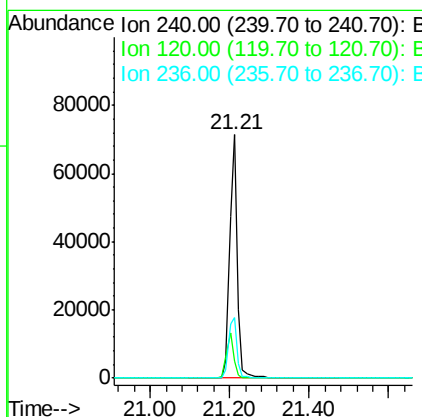
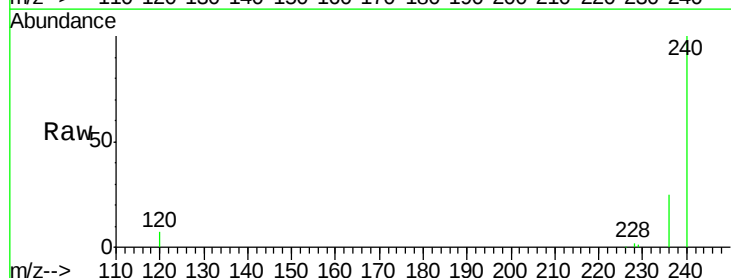
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

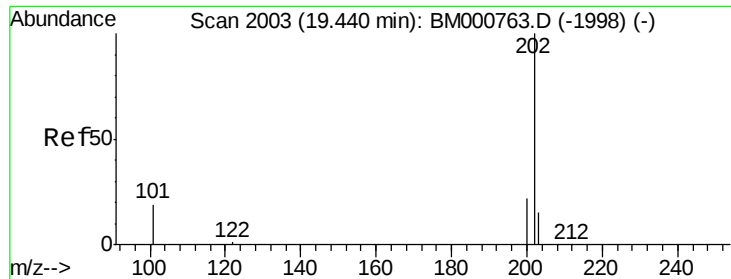
Tgt Ion: 202 Resp: 29770
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.5 15.7
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000902.D
 Acq: 08 Apr 2015 10:33

Tgt Ion: 240 Resp: 94676
 Ion Ratio Lower Upper
 240 100
 120 7.2 14.9 22.3#
 236 24.9 24.2 36.4

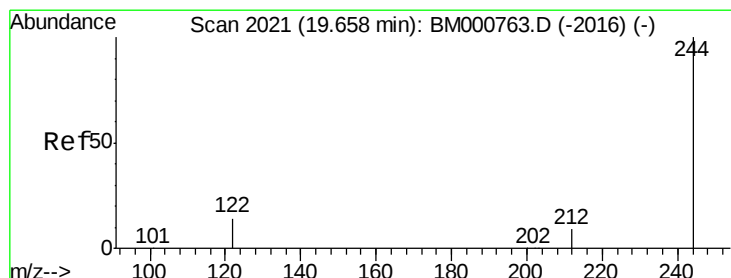
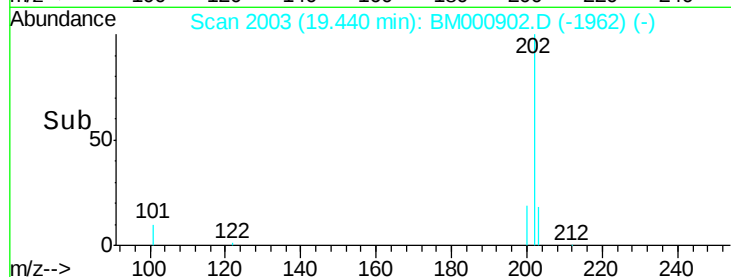
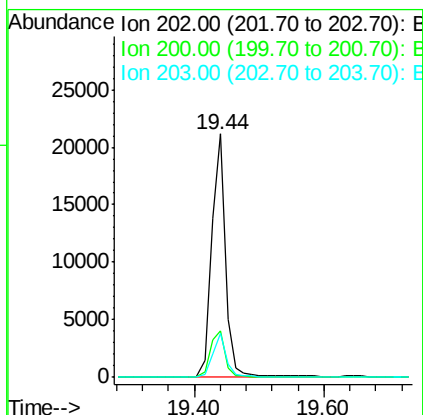
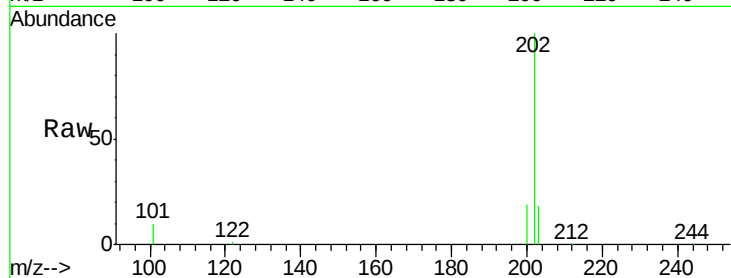




#20
Pyrene
Concen: 1.01 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

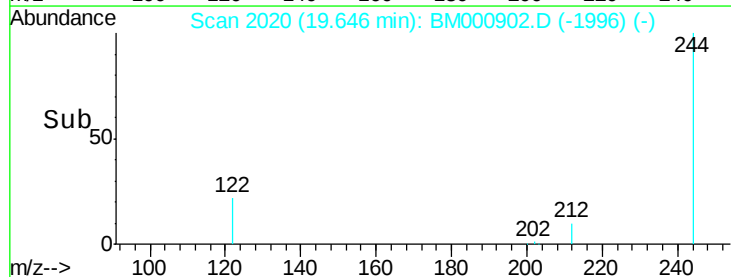
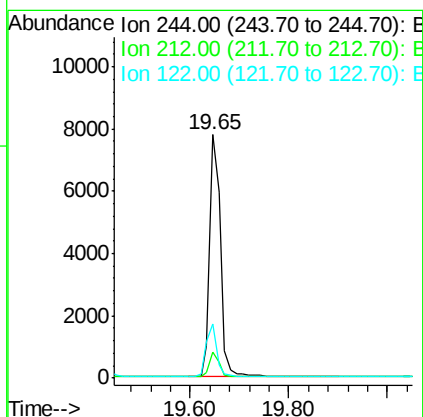
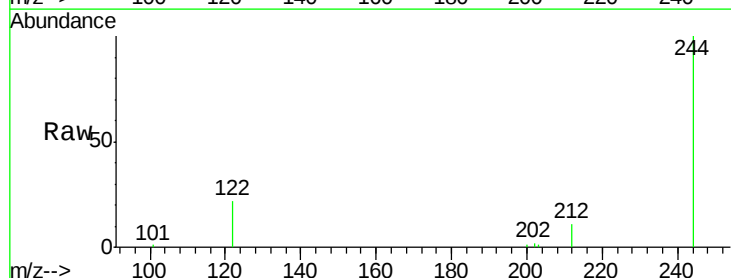
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 31241
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.2 13.9 20.9



#21
Terphenyl-d14
Concen: 1.04 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

Tgt Ion:244 Resp: 11825
Ion Ratio Lower Upper
244 100
212 10.7 7.8 11.6
122 22.1 11.8 17.8#





#22

Benzo(a)anthracene

Concen: 0.96 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

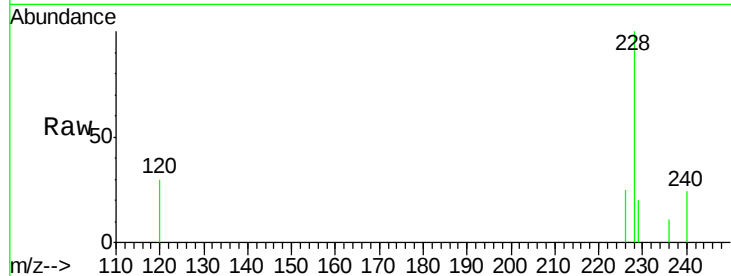
Tgt Ion:228 Resp: 26053

Ion Ratio Lower Upper

228 100

226 25.3 18.6 27.8

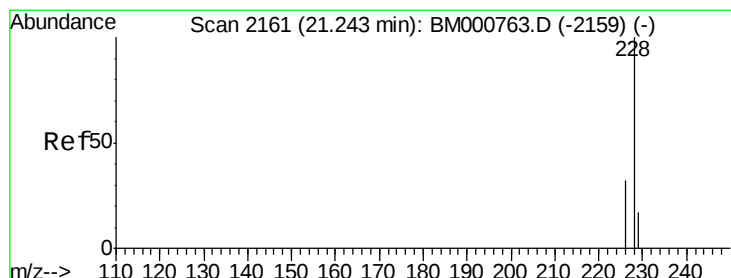
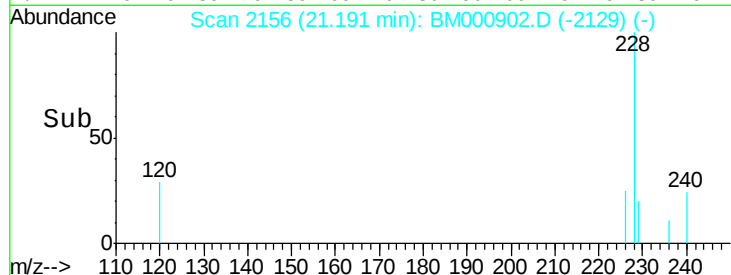
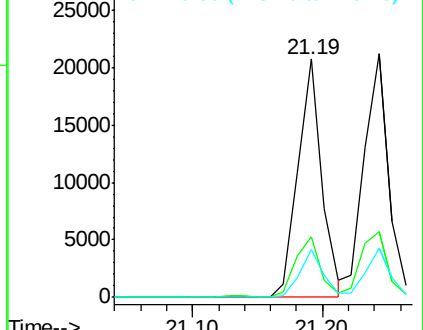
229 19.8 17.2 25.8



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: 1.00 ng

RT: 21.24 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

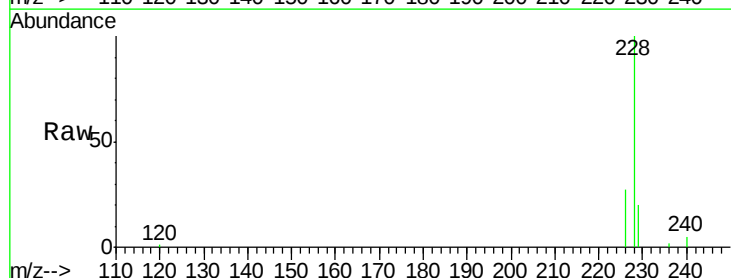
Tgt Ion:228 Resp: 28403

Ion Ratio Lower Upper

228 100

226 26.9 25.8 38.8

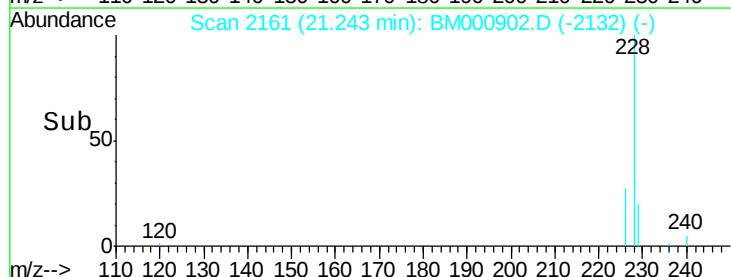
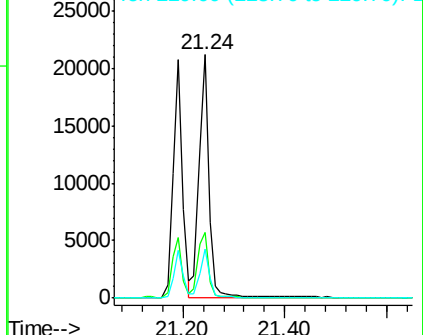
229 20.2 13.8 20.6



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: 0.94 ng

RT: 25.57 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

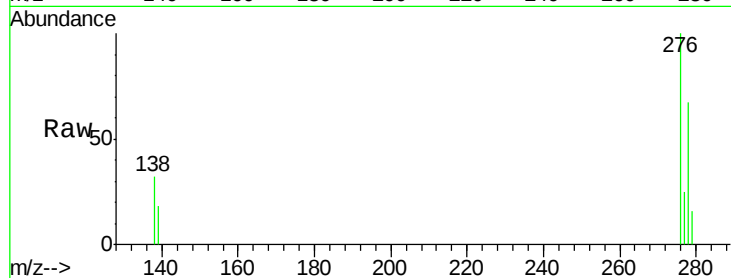
Tgt Ion:276 Resp: 27621

Ion Ratio Lower Upper

276 100

138 32.8 27.4 41.2

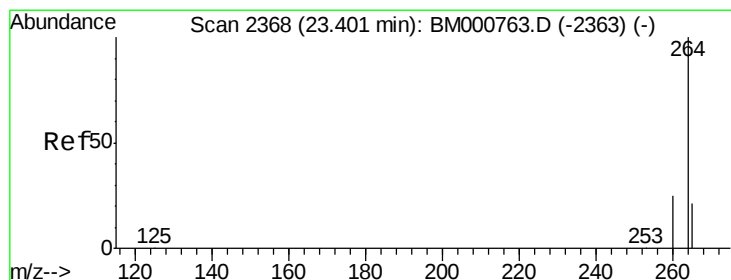
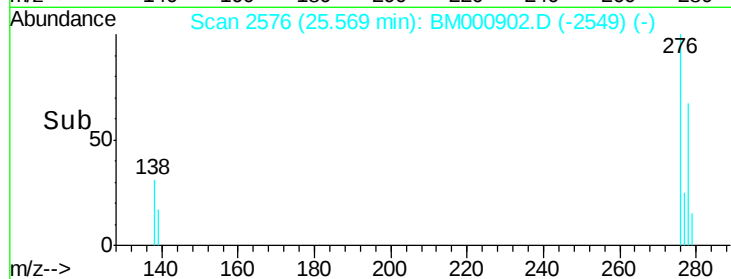
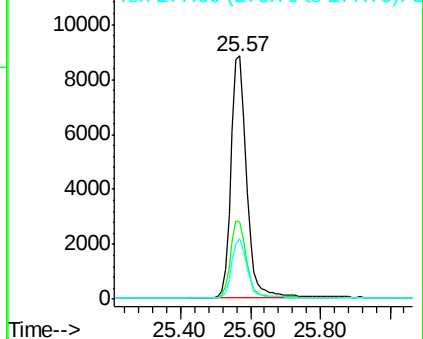
277 24.3 19.7 29.5



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: 23.39 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

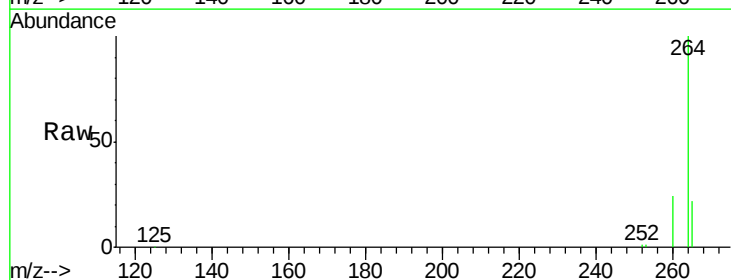
Tgt Ion:264 Resp: 85620

Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

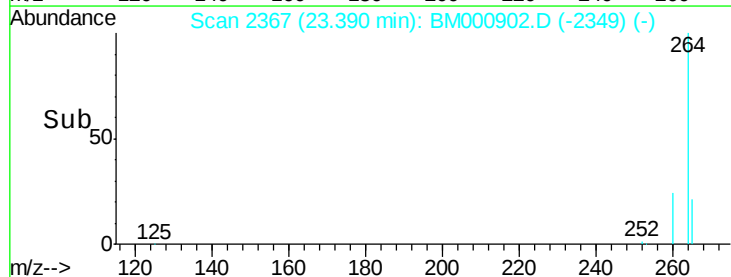
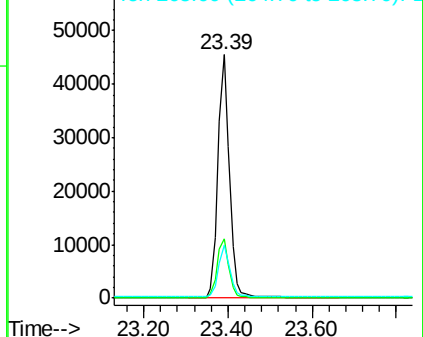
265 21.6 17.4 26.0



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

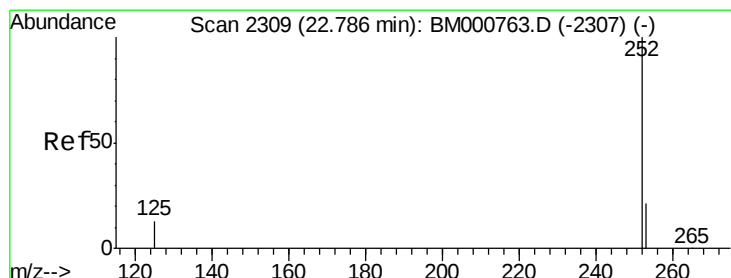
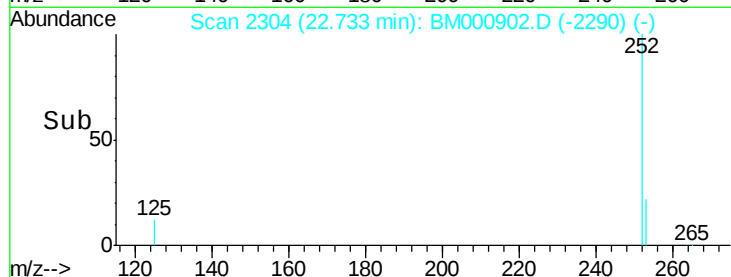
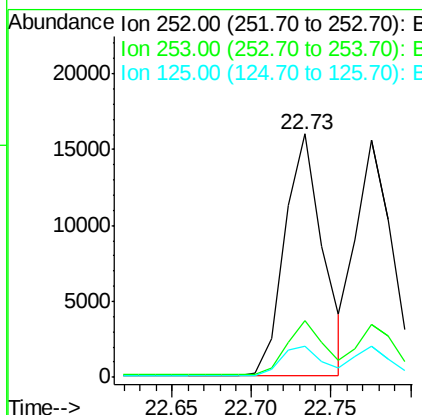
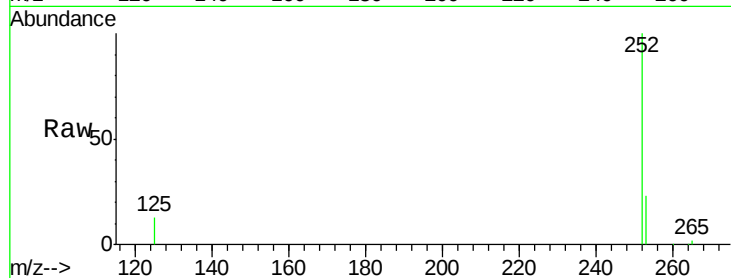




#26
Benzo(b)fluoranthene
Concen: 0.98 ng
RT: 22.73 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

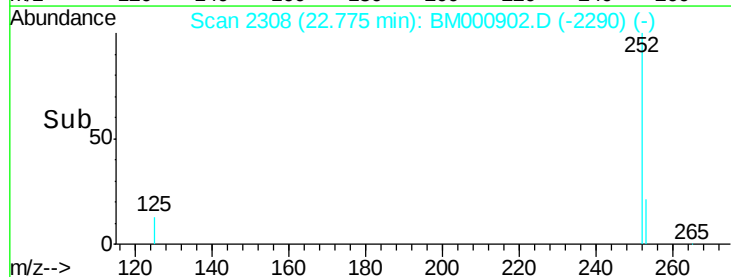
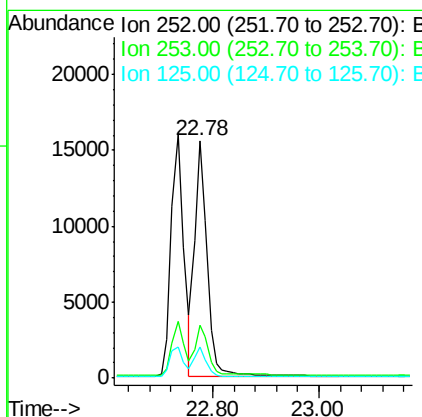
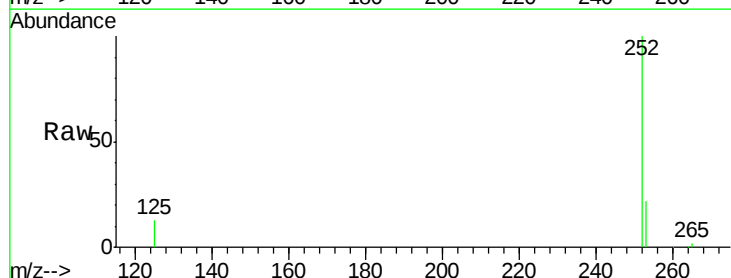
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 26551
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 12.8 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 0.99 ng
RT: 22.78 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BM000902.D
Acq: 08 Apr 2015 10:33

Tgt Ion:252 Resp: 25553
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 13.2 10.8 16.2





#28

Benzo(a)pyrene

Concen: 0.97 ng

RT: 23.29 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

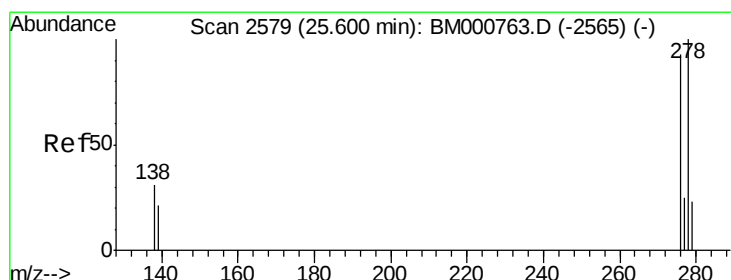
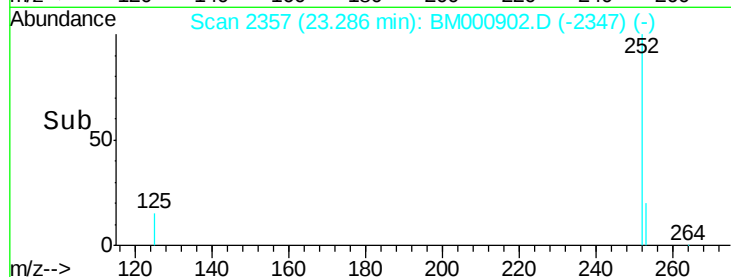
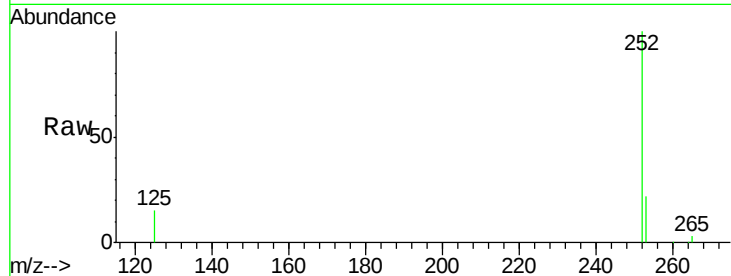
Tgt Ion:252 Resp: 22535

Ion Ratio Lower Upper

252 100

253 22.2 19.4 29.2

125 15.4 11.5 17.3



#29

Dibenzo(a,h)anthracene

Concen: 0.92 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BM000902.D

Acq: 08 Apr 2015 10:33

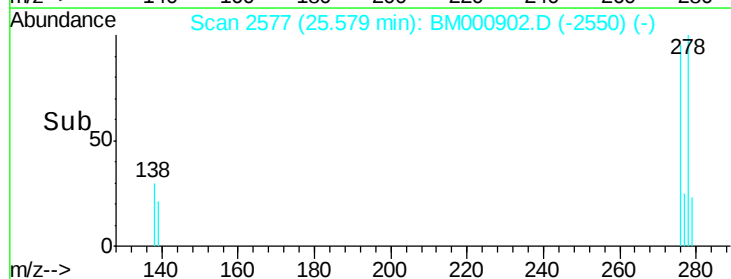
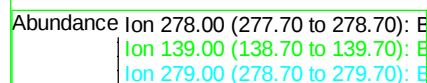
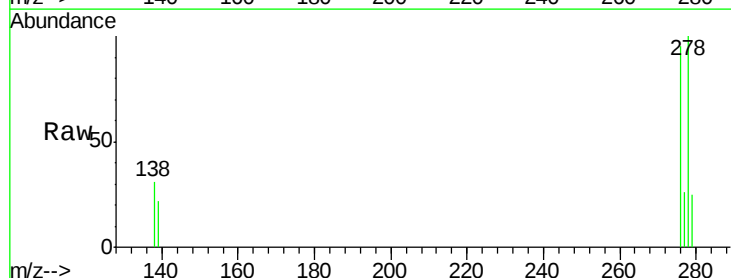
Tgt Ion:278 Resp: 20980

Ion Ratio Lower Upper

278 100

139 21.9 17.8 26.6

279 24.5 19.3 28.9





#30

Benzo(g,h,i)perylene

Concen: 0.97 ng

RT: 26.23 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BM000902.D

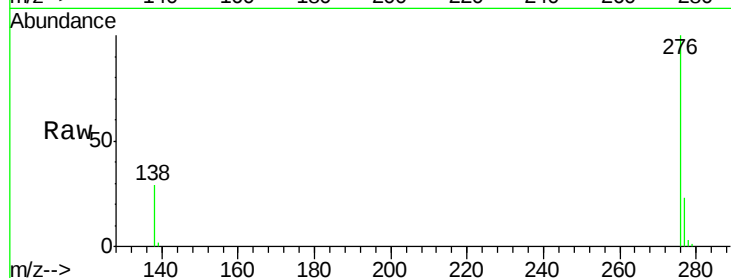
Acq: 08 Apr 2015 10:33

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



Tgt Ion: 276 Resp: 24007

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 29.5 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

