

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040815\
 Data File : BM000920.D
 Acq On : 09 Apr 2015 09:19
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Quant Time: Apr 09 11:14:49 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	34166	5.00	ng	-0.01
4) Naphthalene-d8	10.39	136	118435	5.00	ng	-0.01
8) Acenaphthene-d10	14.26	164	60876	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	129851	5.00	ng	0.00
19) Chrysene-d12	21.20	240	116145	5.00	ng	-0.01
25) Perylene-d12	23.38	264	106033	5.00	ng	-0.02

System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	5690	0.96	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	18502	0.98	ng	-0.01
21) Terphenyl-d14	19.65	244	14282	1.02	ng	-0.01

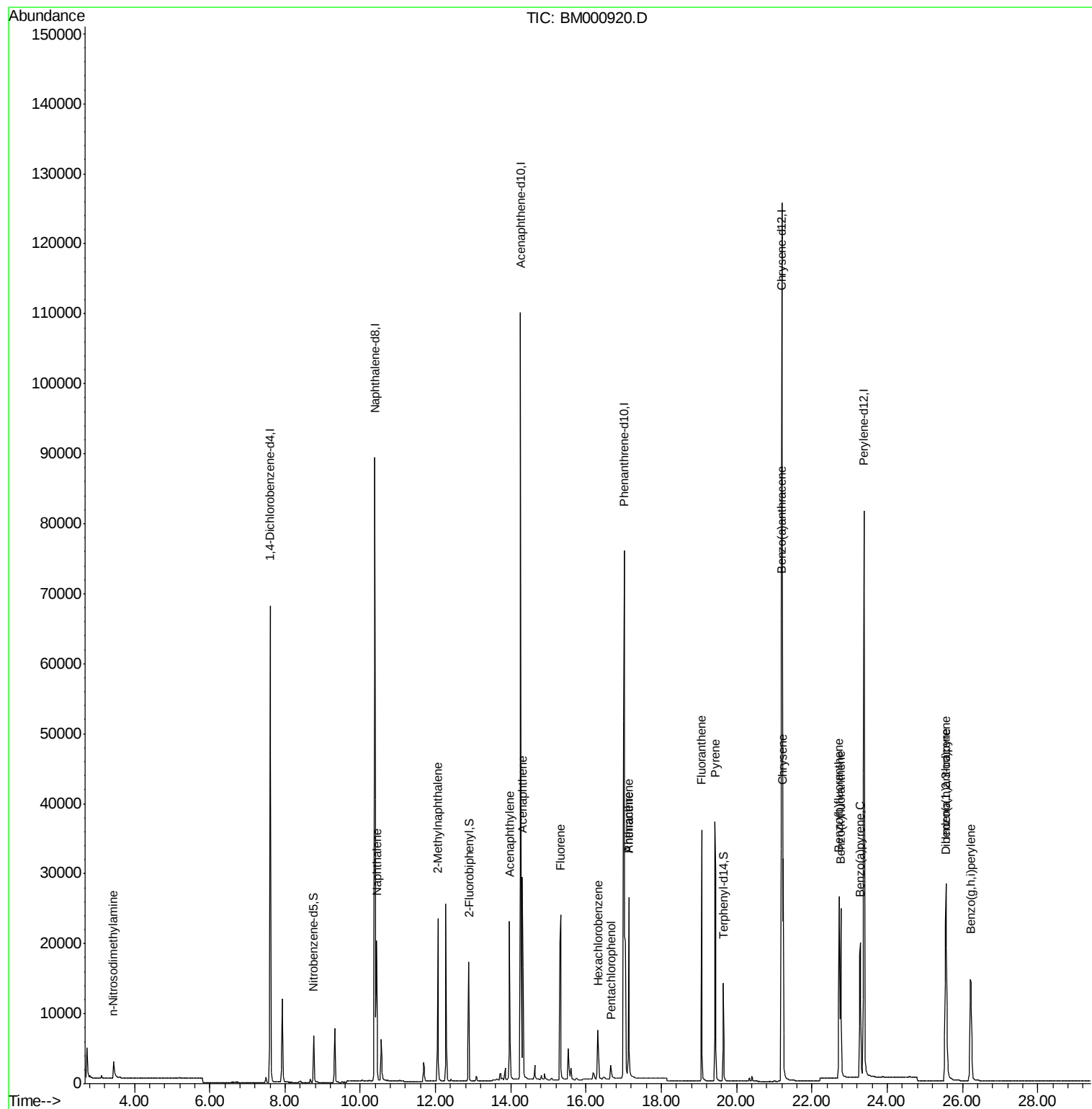
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.44	42	3227	0.97	ng	98
6) Naphthalene	10.44	128	27212	0.99	ng	99
7) 2-Methylnaphthalene	12.06	142	17596	1.01	ng	95
10) Acenaphthylene	13.97	152	26331	0.98	ng	100
11) Acenaphthene	14.31	154	17879	0.96	ng	98
12) Fluorene	15.32	166	21075	1.01	ng	99
14) Hexachlorobenzene	16.31	284	7031	0.92	ng	# 95
15) Pentachlorophenol	16.66	266	2037	1.33	ng	91
16) Phenanthrene	17.13	178	31727	0.89	ng	98
17) Anthracene	17.13	178	31938	1.07	ng	99
18) Fluoranthene	19.06	202	36665	1.04	ng	99
20) Pyrene	19.43	202	38103	1.01	ng	100
22) Benzo(a)anthracene	21.19	228	32936	0.99	ng	100
23) Chrysene	21.23	228	34243	0.98	ng	99
24) Indeno(1,2,3-cd)pyrene	25.56	276	34000	0.94	ng	99
26) Benzo(b)fluoranthene	22.72	252	31792	0.95	ng	97
27) Benzo(k)fluoranthene	22.76	252	32783	1.02	ng	98
28) Benzo(a)pyrene	23.29	252	28267	0.99	ng	99
29) Dibenzo(a,h)anthracene	25.57	278	25738	0.91	ng	100
30) Benzo(g,h,i)perylene	26.22	276	29657	0.97	ng	99

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

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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: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

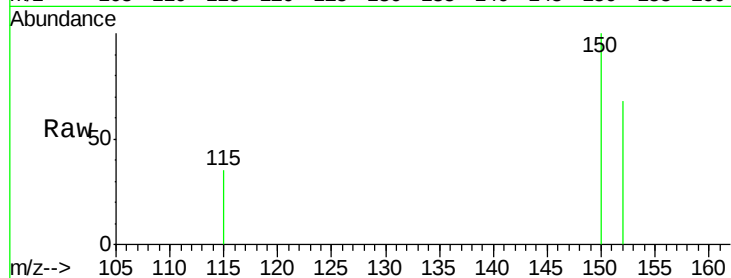
Tgt Ion:152 Resp: 34166

Ion Ratio Lower Upper

152 100

150 148.0 120.8 181.2

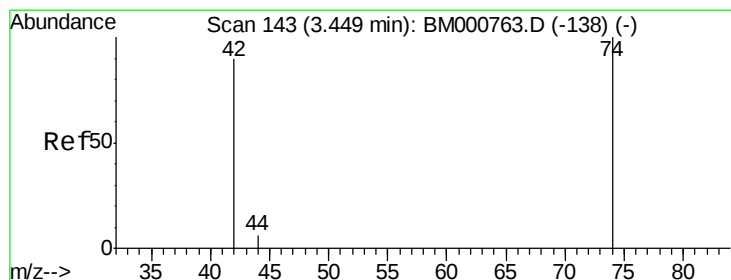
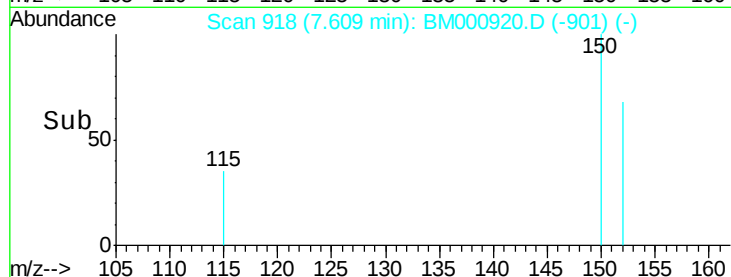
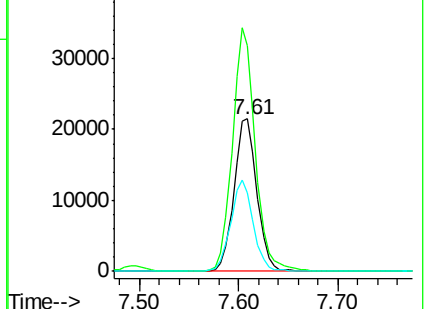
115 51.5 42.7 64.1



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: 3.44 min Scan# 142

Delta R.T. -0.00 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

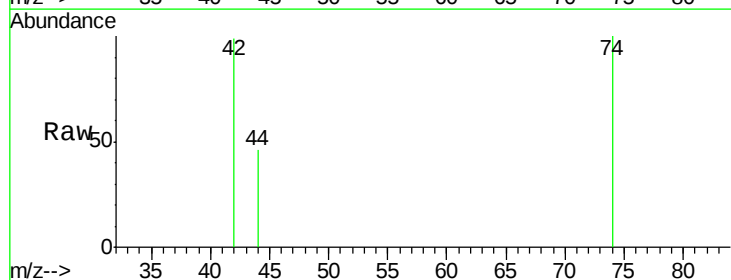
Tgt Ion: 42 Resp: 3227

Ion Ratio Lower Upper

42 100

74 114.7 93.6 140.4

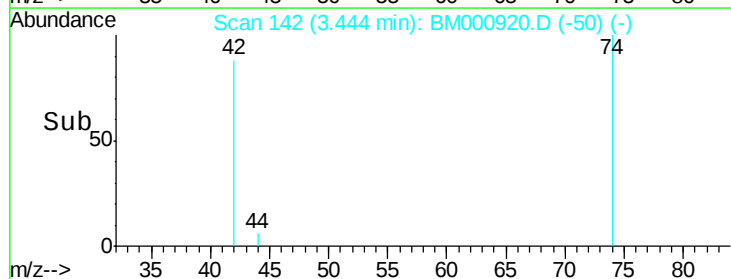
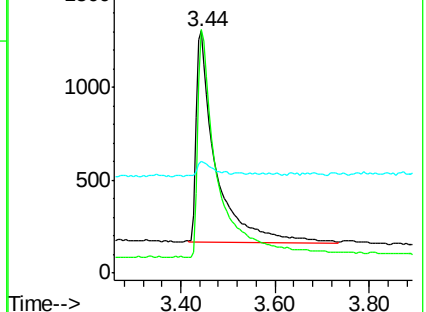
44 6.3 6.3 9.5

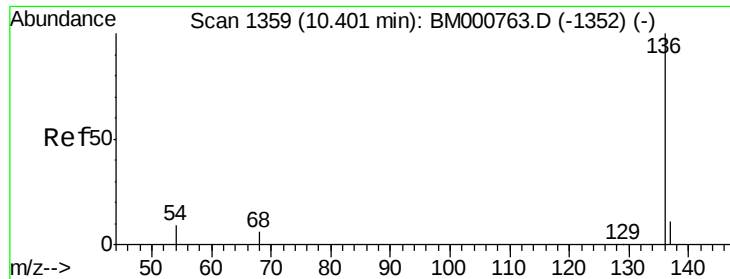


Abundance Ion 42.00 (41.70 to 42.70): BM0

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: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

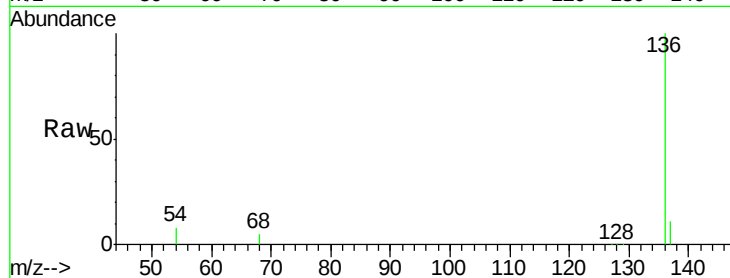
Tgt Ion:136 Resp: 118435

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

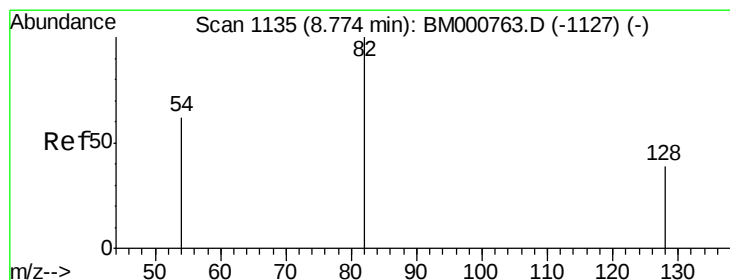
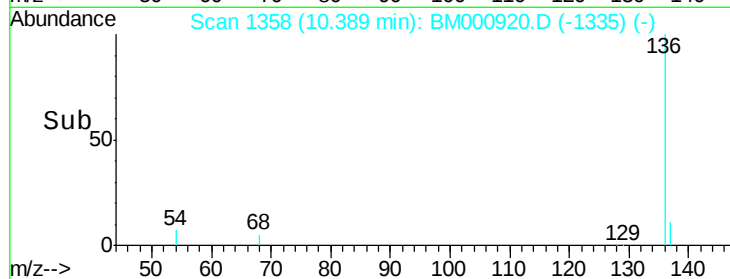
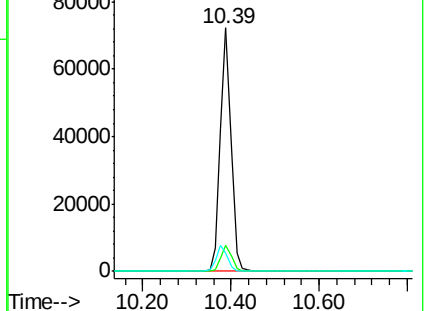
54 7.5 7.0 10.6



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: 0.96 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

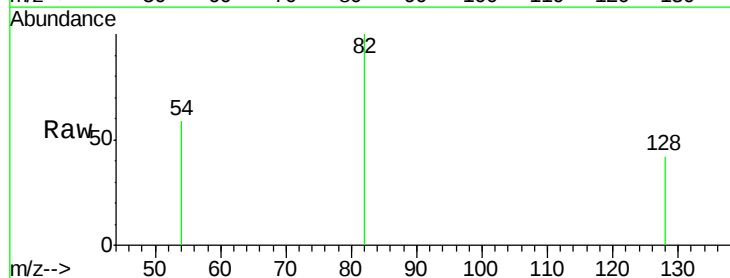
Tgt Ion: 82 Resp: 5690

Ion Ratio Lower Upper

82 100

128 42.0 32.2 48.2

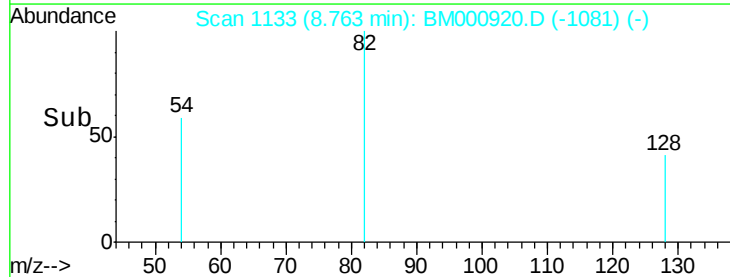
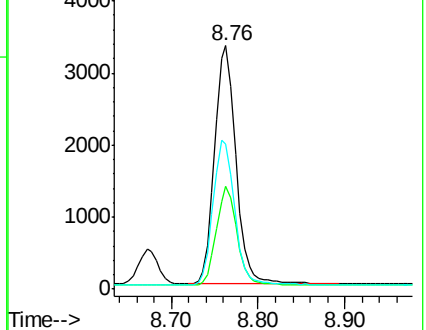
54 59.5 50.2 75.4



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: 0.99 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

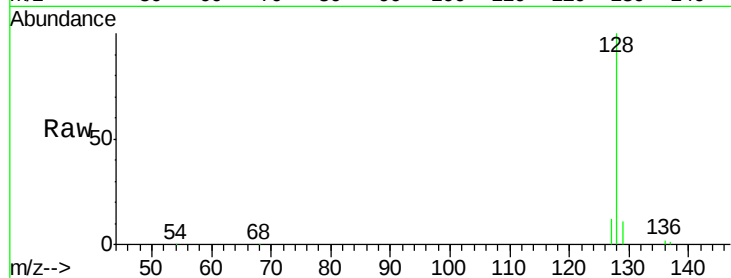
Tgt Ion:128 Resp: 27212

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

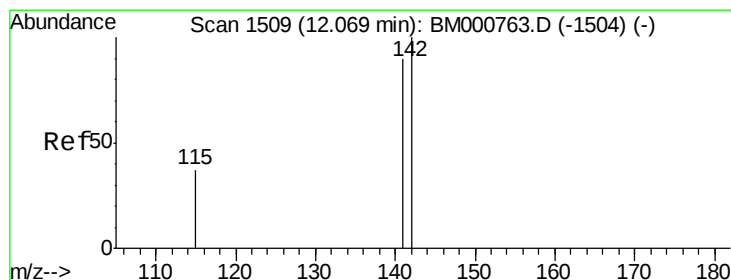
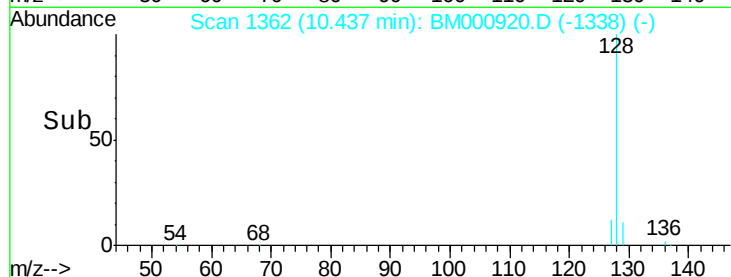
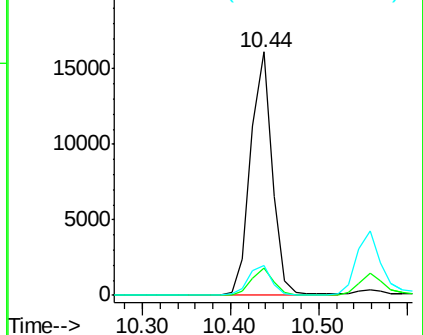
127 12.2 10.0 15.0



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: 1.01 ng

RT: 12.06 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

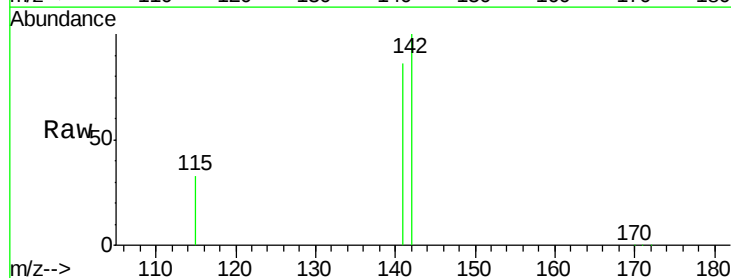
Tgt Ion:142 Resp: 17596

Ion Ratio Lower Upper

142 100

141 85.8 72.3 108.5

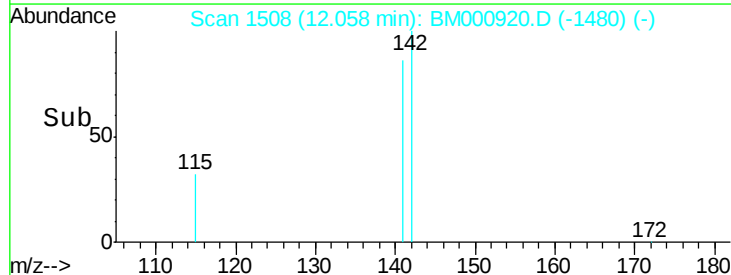
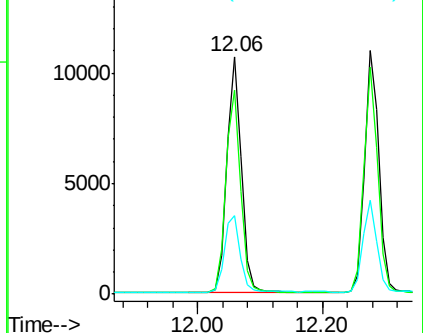
115 32.9 29.5 44.3



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: BM000920.D

Acq: 09 Apr 2015 09:19

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SSTDCCC001

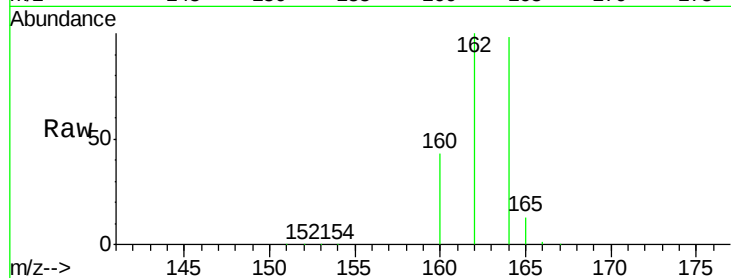
Tgt Ion:164 Resp: 60876

Ion Ratio Lower Upper

164 100

162 101.9 75.4 113.2

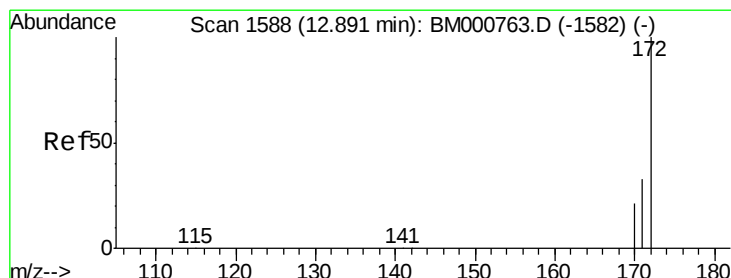
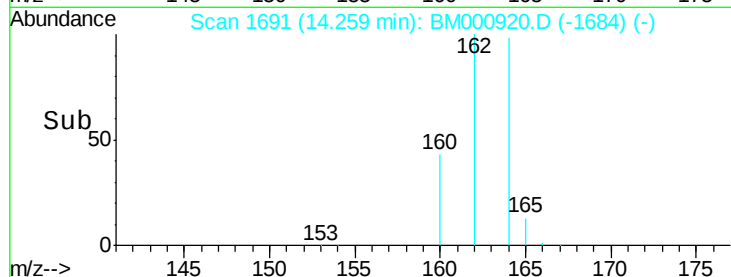
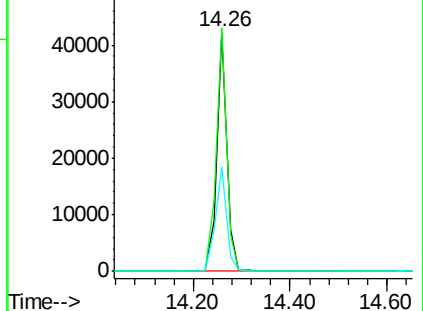
160 43.8 30.8 46.2



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: BM000920.D

Acq: 09 Apr 2015 09:19

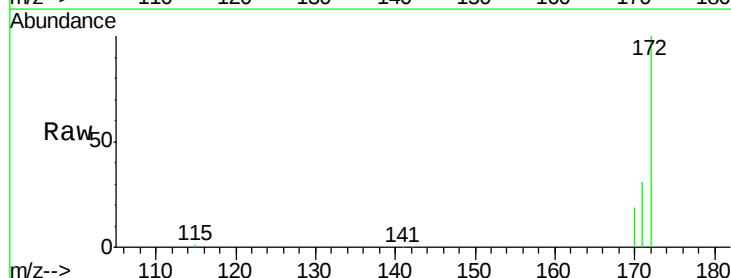
Tgt Ion:172 Resp: 18502

Ion Ratio Lower Upper

172 100

171 31.1 26.6 39.8

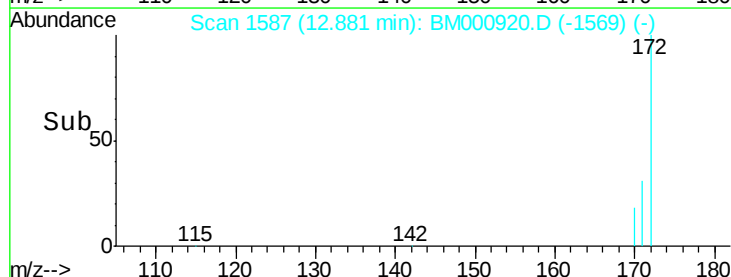
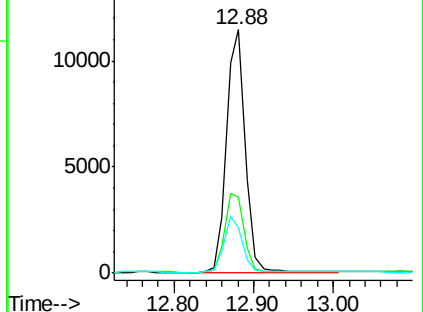
170 18.8 17.1 25.7



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: 0.98 ng

RT: 13.97 min Scan# 1674

Delta R.T. -0.02 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

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SSTDCCC001

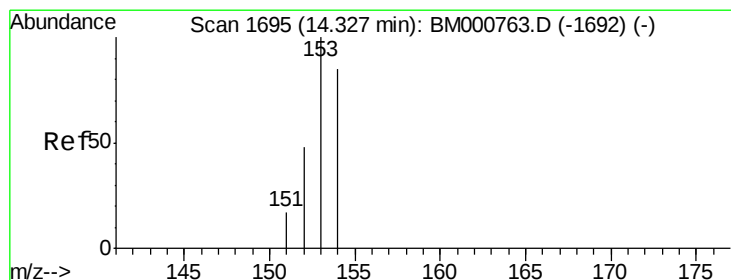
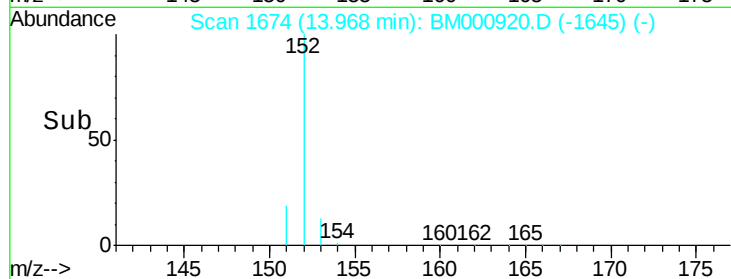
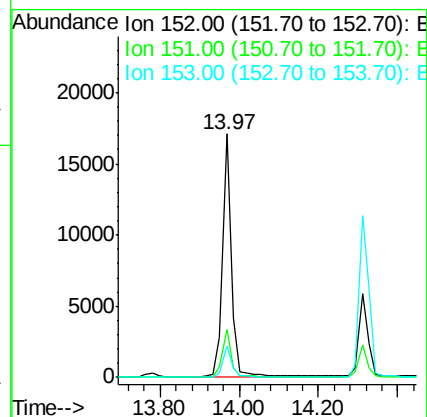
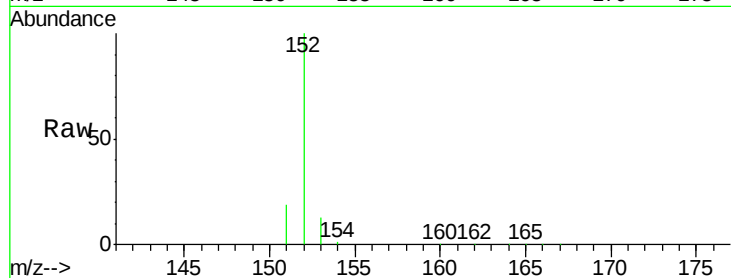
Tgt Ion:152 Resp: 26331

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7

153 12.8 10.2 15.4



#11

Acenaphthene

Concen: 0.96 ng

RT: 14.31 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

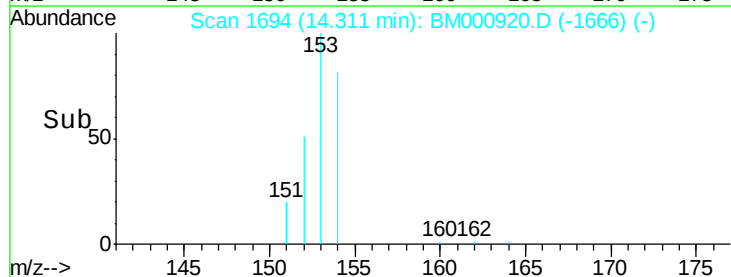
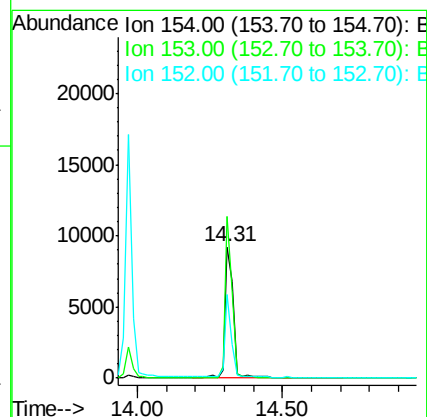
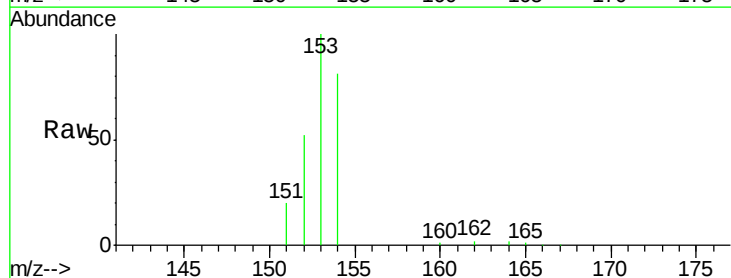
Tgt Ion:154 Resp: 17879

Ion Ratio Lower Upper

154 100

153 107.2 87.3 130.9

152 51.4 43.0 64.6





#12

Fluorene

Concen: 1.01 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

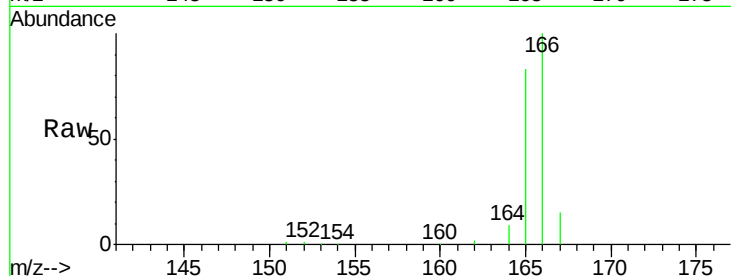
Tgt Ion:166 Resp: 21075

Ion Ratio Lower Upper

166 100

165 96.7 78.2 117.2

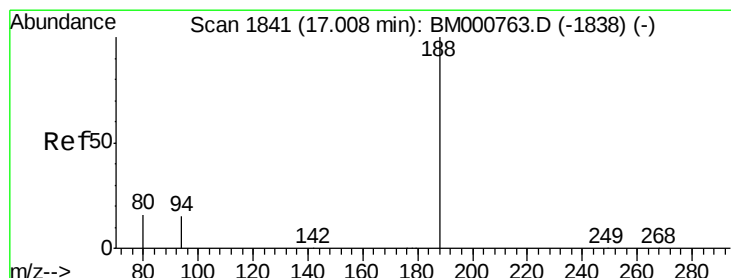
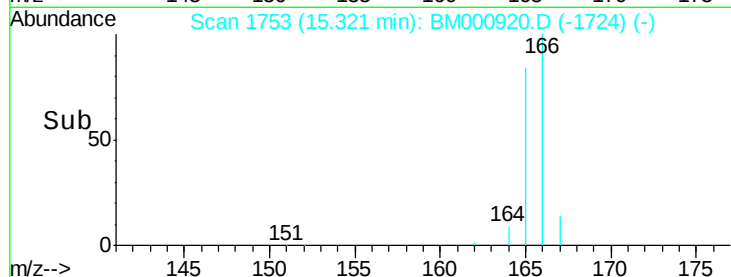
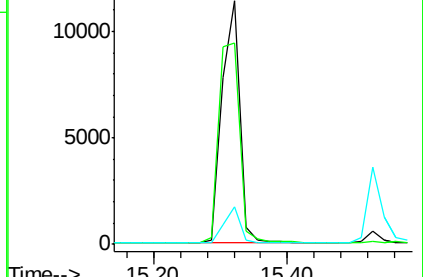
167 13.4 10.7 16.1



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: BM000920.D

Acq: 09 Apr 2015 09:19

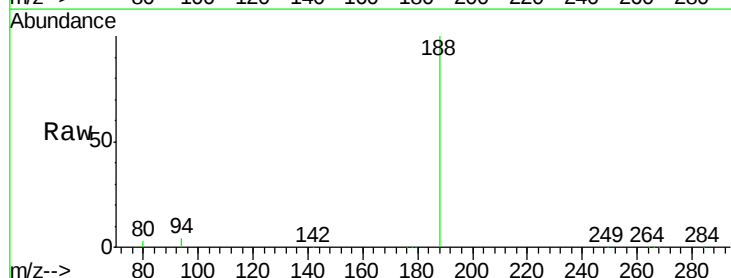
Tgt Ion:188 Resp: 129851

Ion Ratio Lower Upper

188 100

94 4.1 12.0 18.0#

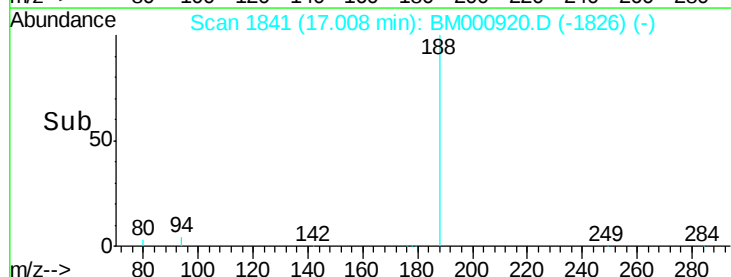
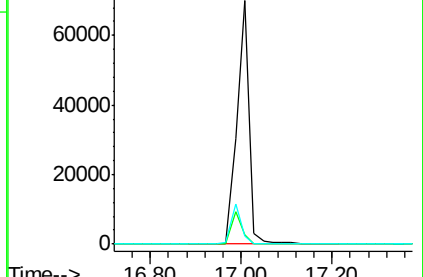
80 3.5 12.8 19.2#



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

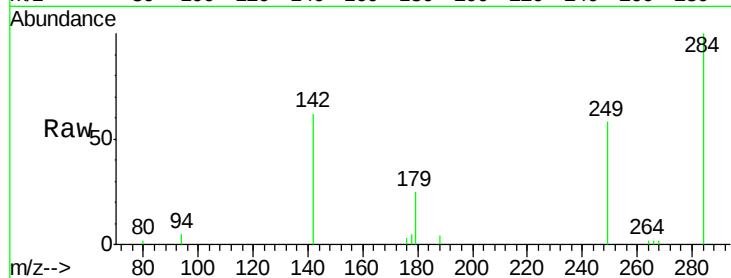




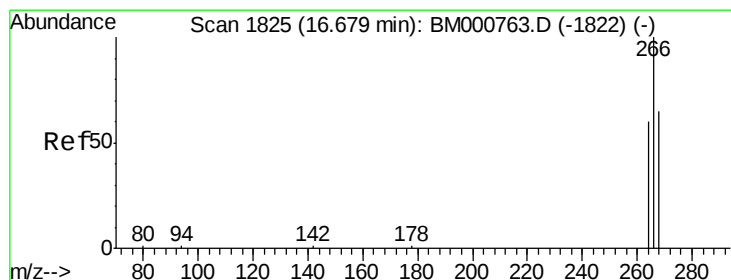
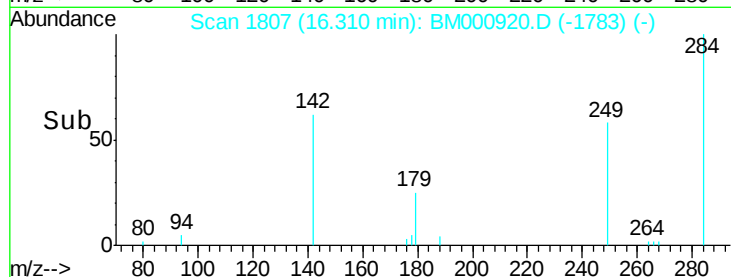
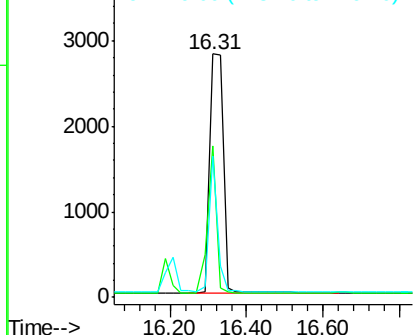
#14
Hexachlorobenzene
Concen: 0.92 ng
RT: 16.31 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion: 284 Resp: 7031
Ion Ratio Lower Upper
284 100
142 39.1 0.0 0.0#
249 34.3 25.2 37.8

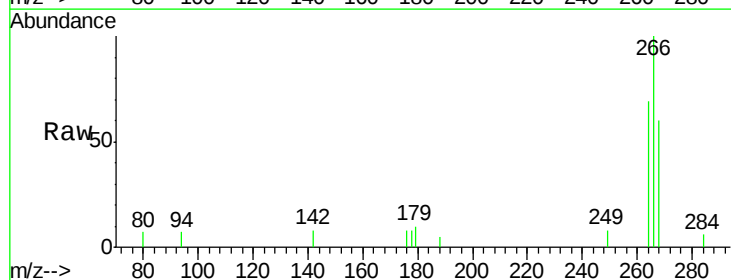


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

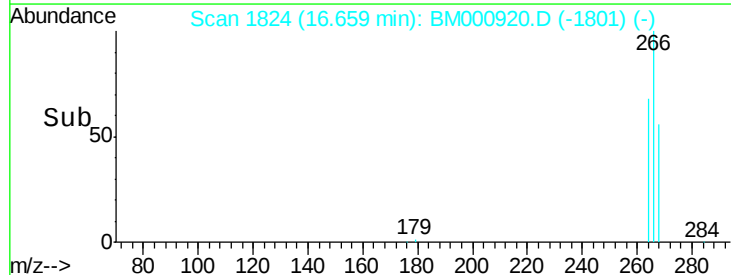
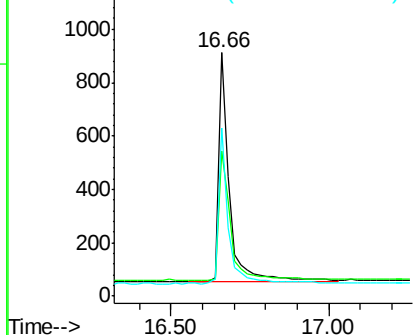


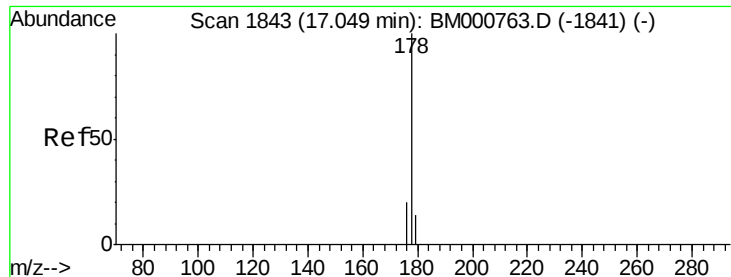
#15
Pentachlorophenol
Concen: 1.33 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

Tgt Ion: 266 Resp: 2037
Ion Ratio Lower Upper
266 100
268 59.5 55.0 82.6
264 69.2 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.89 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.08 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

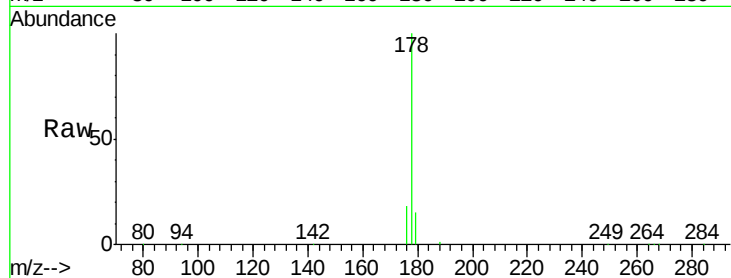
Tgt Ion:178 Resp: 31727

Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

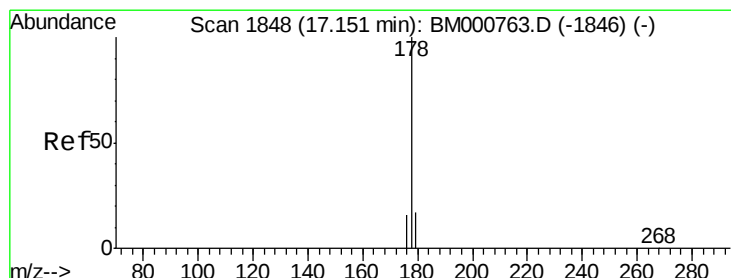
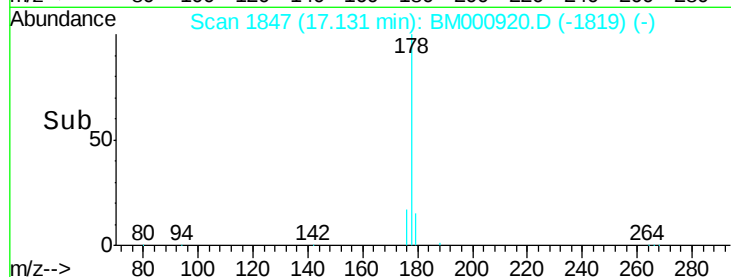
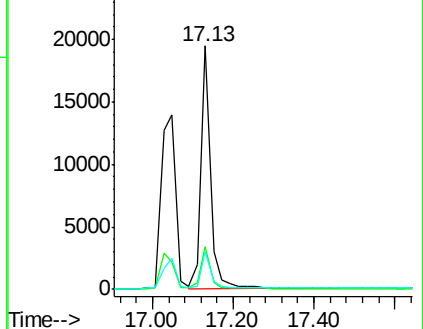
179 15.2 12.2 18.2



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: 1.07 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

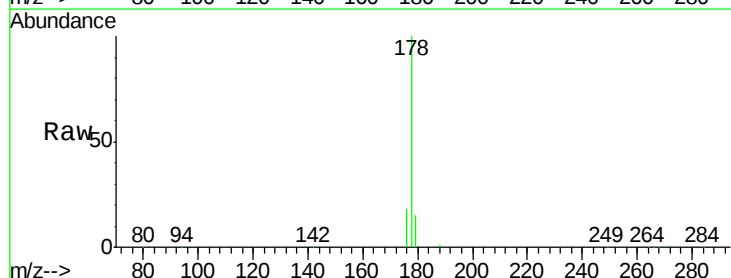
Tgt Ion:178 Resp: 31938

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

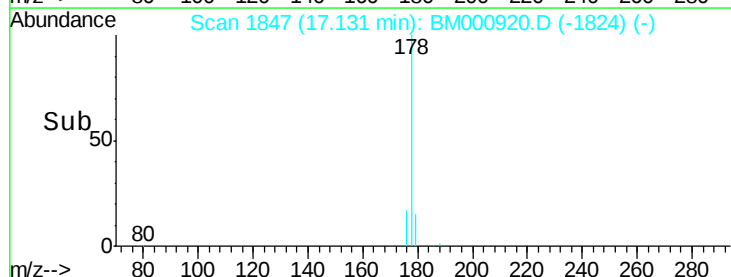
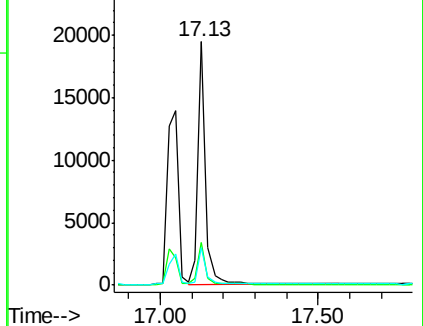
179 15.1 12.2 18.4



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

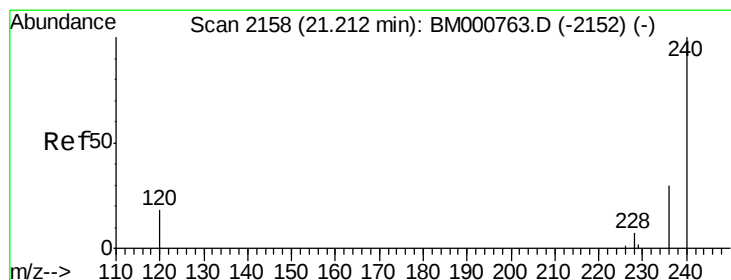
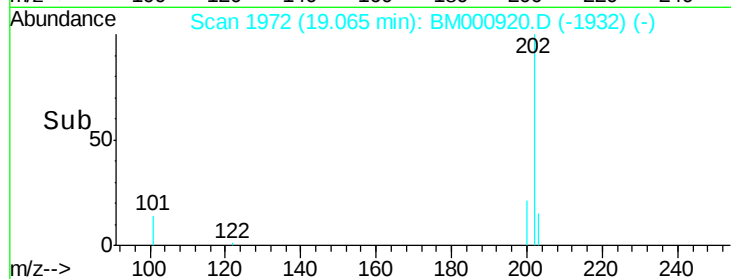
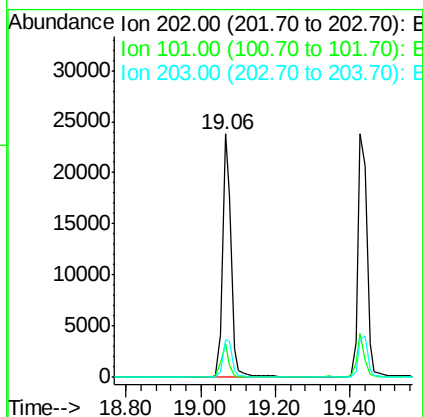
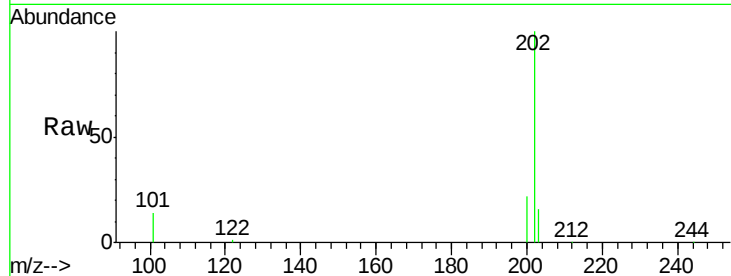




#18
 Fluoranthene
 Concen: 1.04 ng
 RT: 19.06 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000920.D
 Acq: 09 Apr 2015 09:19

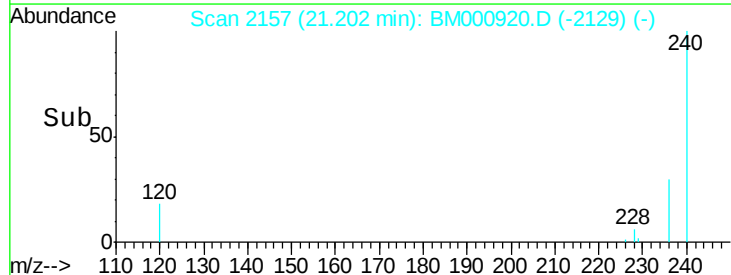
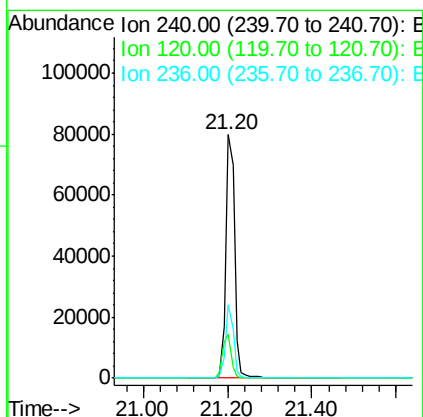
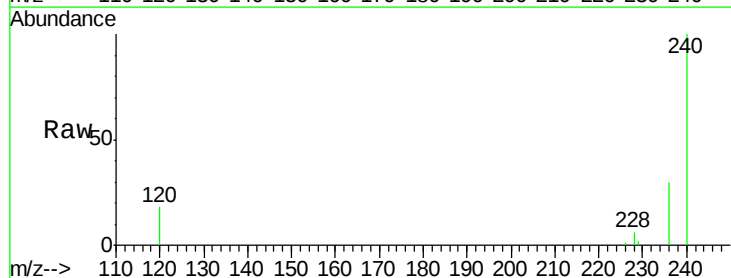
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

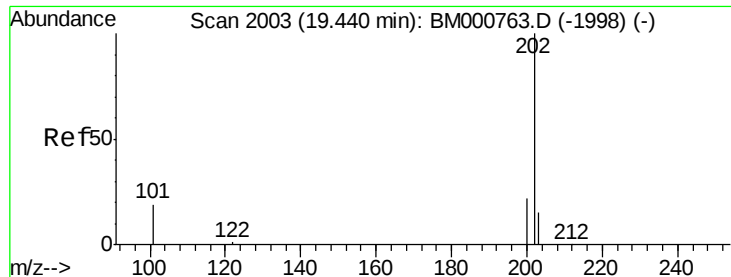
Tgt Ion: 202 Resp: 36665
 Ion Ratio Lower Upper
 202 100
 101 12.4 10.5 15.7
 203 17.1 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000920.D
 Acq: 09 Apr 2015 09:19

Tgt Ion: 240 Resp: 116145
 Ion Ratio Lower Upper
 240 100
 120 18.1 14.9 22.3
 236 30.2 24.2 36.4

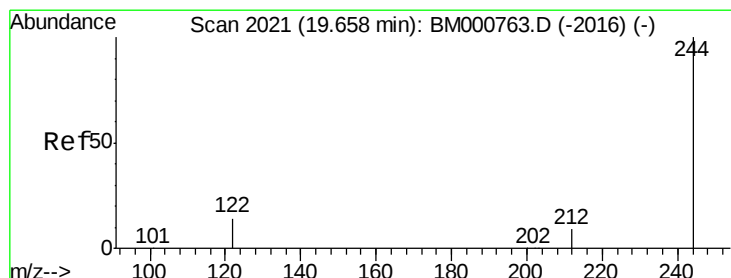
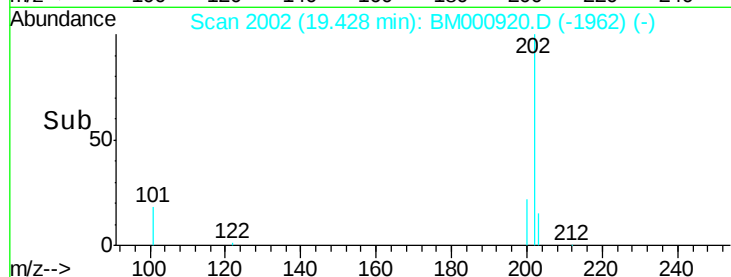
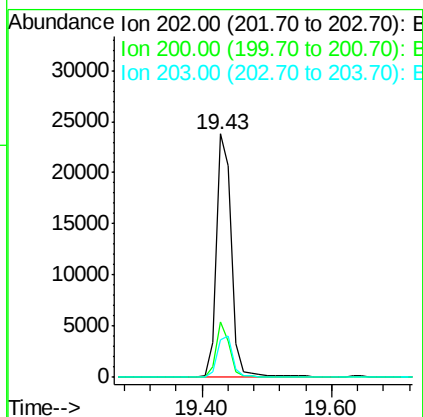
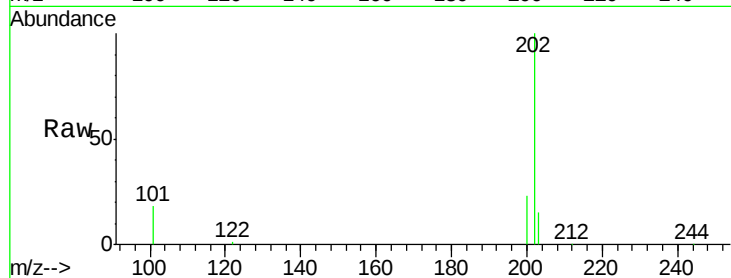




#20
Pyrene
Concen: 1.01 ng
RT: 19.43 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

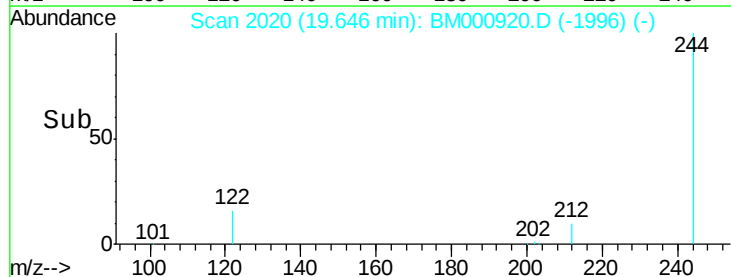
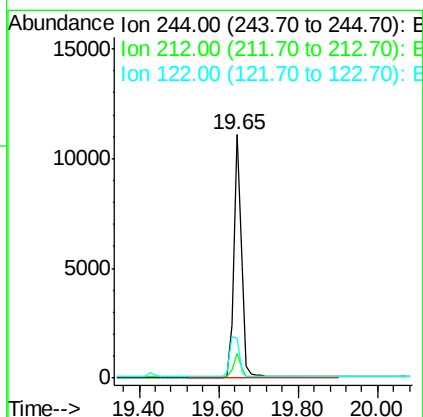
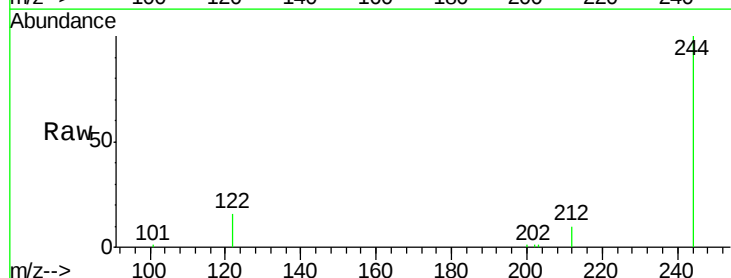
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:202 Resp: 38103
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.3 13.9 20.9



#21
Terphenyl-d14
Concen: 1.02 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

Tgt Ion:244 Resp: 14282
Ion Ratio Lower Upper
244 100
212 10.2 7.8 11.6
122 16.3 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: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

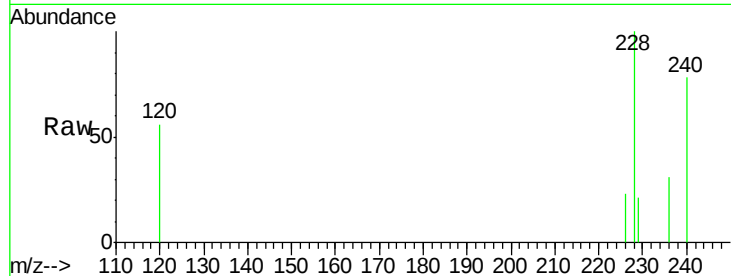
Tgt Ion:228 Resp: 32936

Ion Ratio Lower Upper

228 100

226 23.0 18.6 27.8

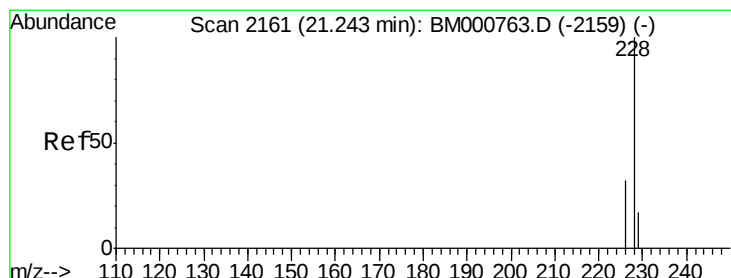
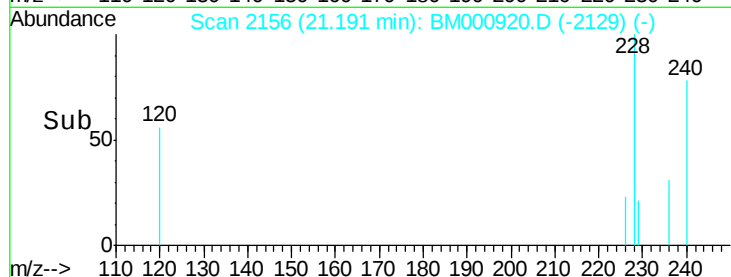
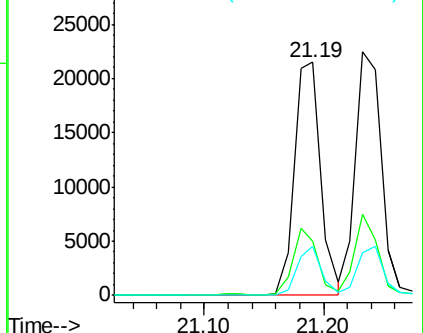
229 21.2 17.2 25.8



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: 0.98 ng

RT: 21.23 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

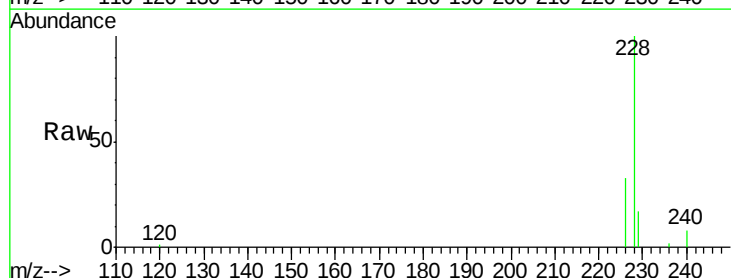
Tgt Ion:228 Resp: 34243

Ion Ratio Lower Upper

228 100

226 33.1 25.8 38.8

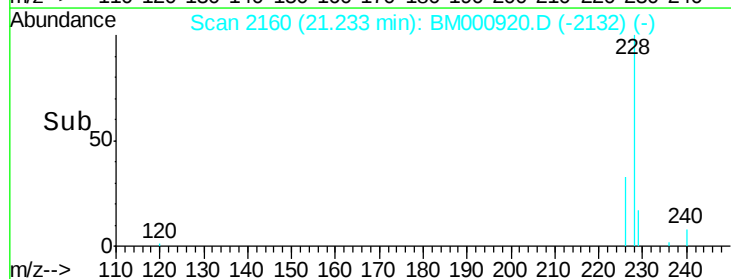
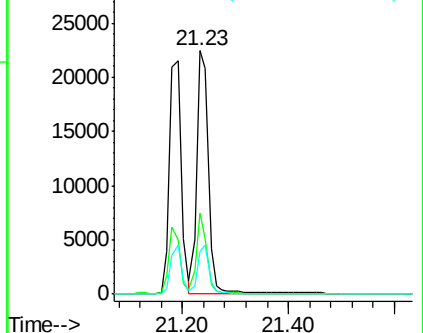
229 17.3 13.8 20.6



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: 25.56 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BM000920.D

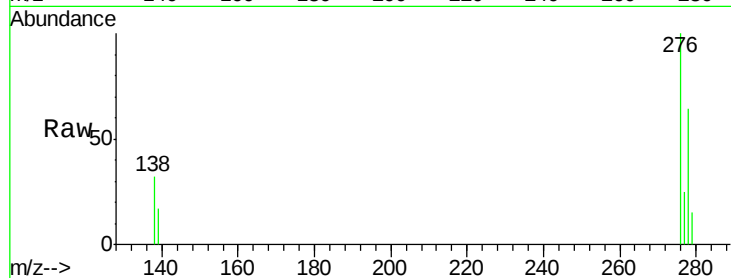
Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



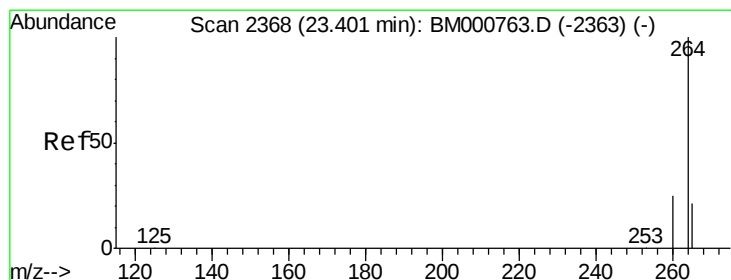
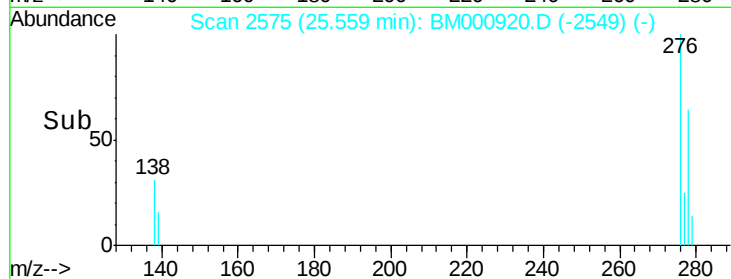
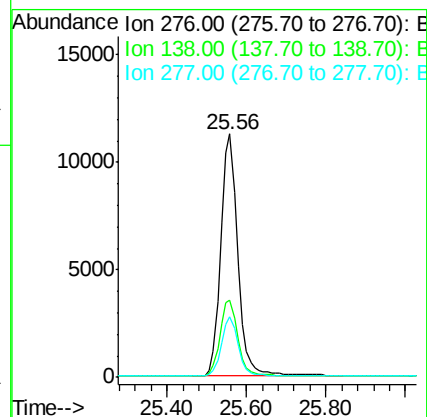
Tgt Ion: 276 Resp: 34000

Ion Ratio Lower Upper

276 100

138 33.0 27.4 41.2

277 24.4 19.7 29.5



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.38 min Scan# 2366

Delta R.T. -0.02 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

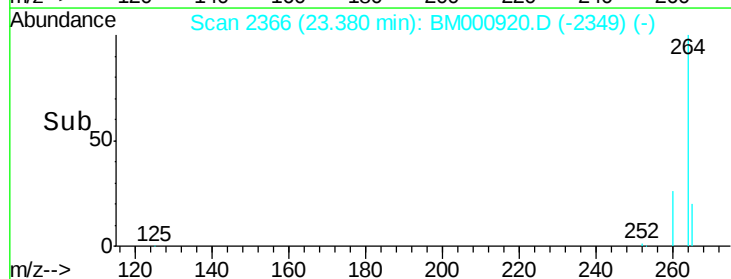
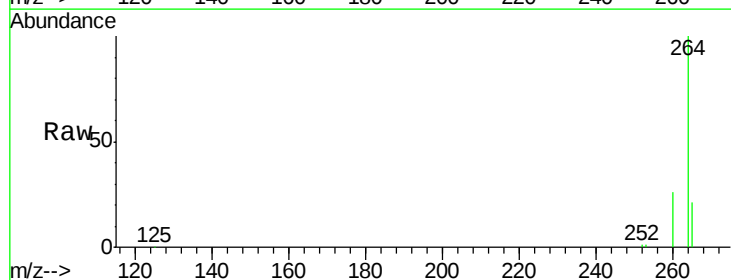
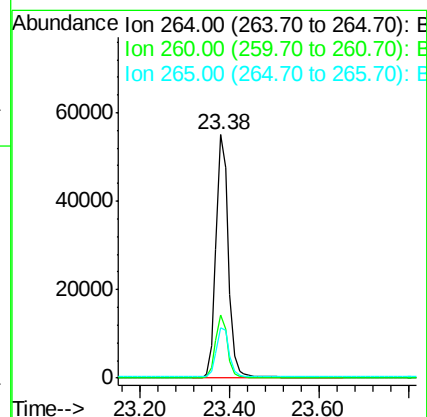
Tgt Ion: 264 Resp: 106033

Ion Ratio Lower Upper

264 100

260 26.0 20.1 30.1

265 20.7 17.4 26.0

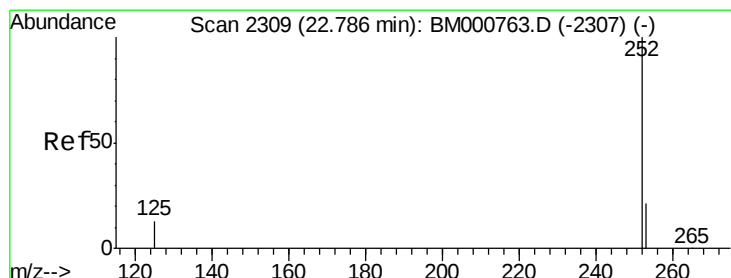
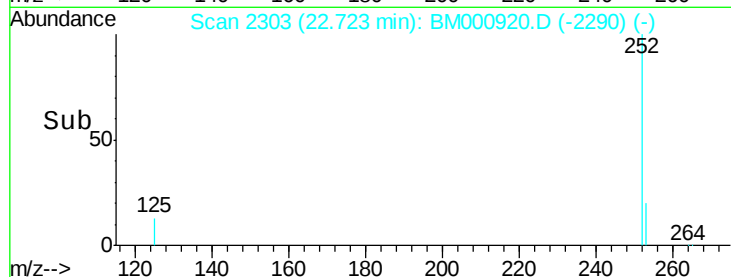
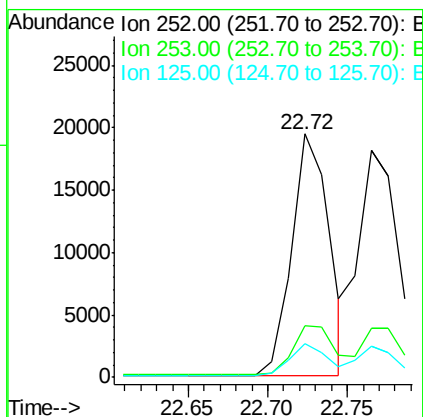
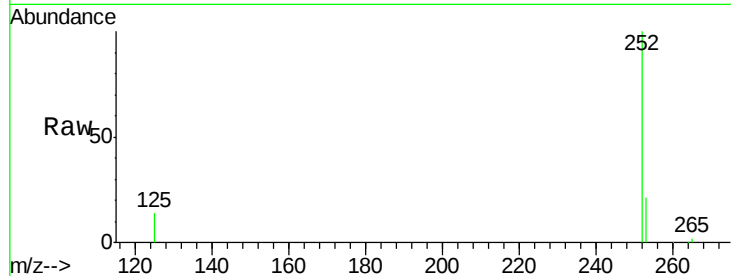




#26
Benzo(b)fluoranthene
Concen: 0.95 ng
RT: 22.72 min Scan# 2303
Delta R.T. -0.02 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

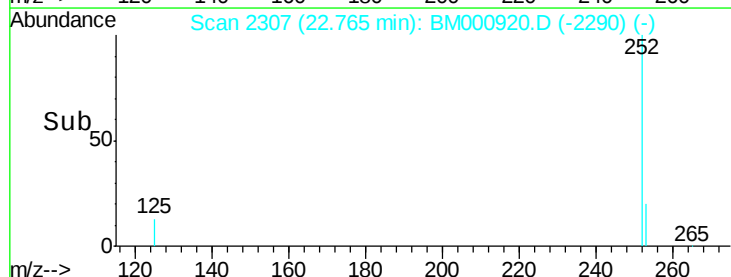
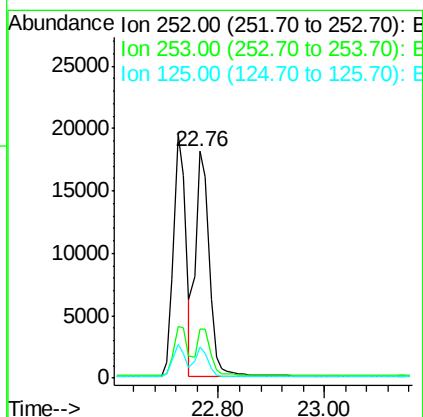
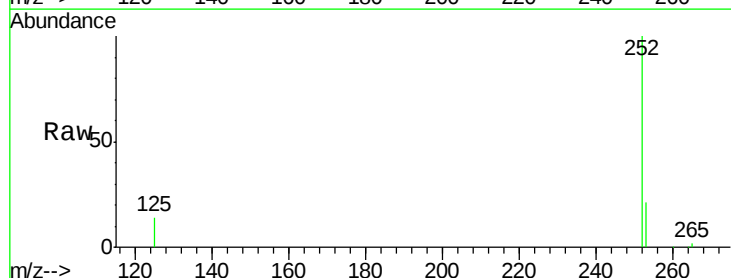
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tgt Ion:252 Resp: 31792
Ion Ratio Lower Upper
252 100
253 21.2 18.5 27.7
125 13.9 10.6 16.0



#27
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 22.76 min Scan# 2307
Delta R.T. -0.02 min
Lab File: BM000920.D
Acq: 09 Apr 2015 09:19

Tgt Ion:252 Resp: 32783
Ion Ratio Lower Upper
252 100
253 21.5 17.9 26.9
125 13.9 10.8 16.2





#28

Benzo(a)pyrene

Concen: 0.99 ng

RT: 23.29 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

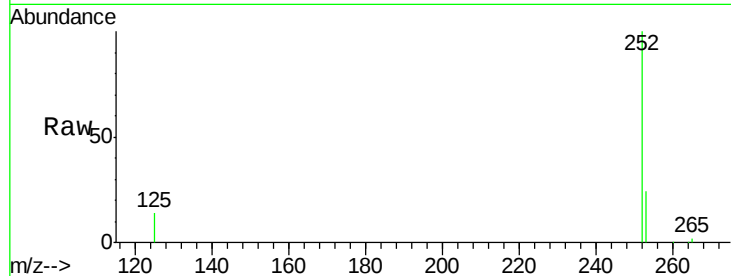
Tgt Ion: 252 Resp: 28267

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.2

125 14.1 11.5 17.3

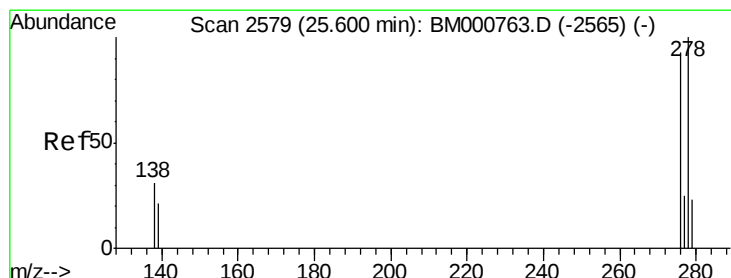
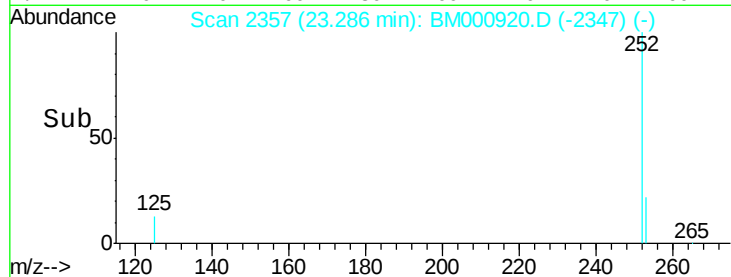
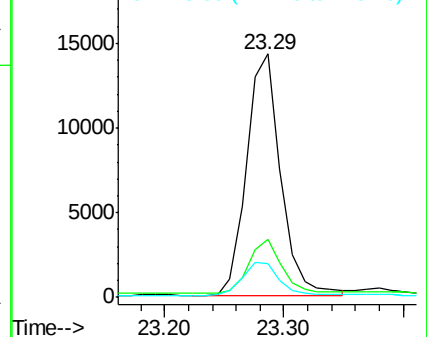


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#29

Dibenzo(a,h)anthracene

Concen: 0.91 ng

RT: 25.57 min Scan# 2576

Delta R.T. -0.03 min

Lab File: BM000920.D

Acq: 09 Apr 2015 09:19

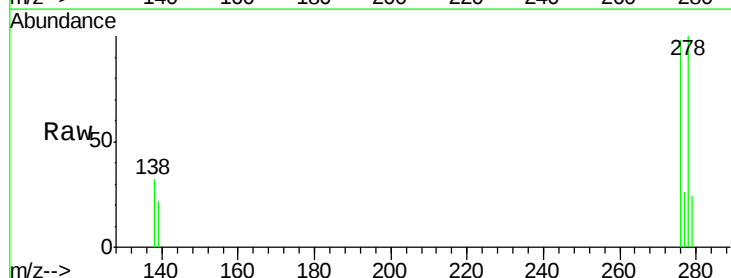
Tgt Ion: 278 Resp: 25738

Ion Ratio Lower Upper

278 100

139 22.0 17.8 26.6

279 24.3 19.3 28.9

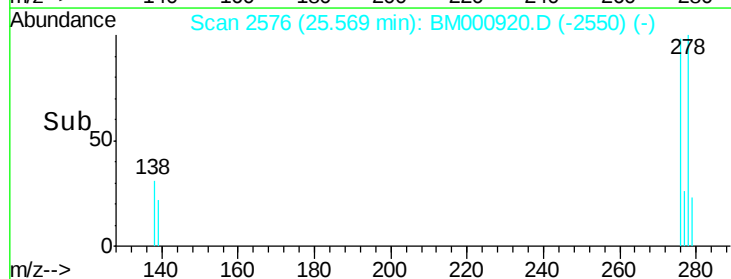
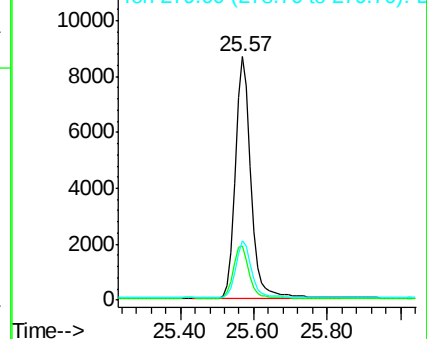


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 0.97 ng

RT: 26.22 min Scan# 2638

Delta R.T. -0.04 min

Lab File: BM000920.D

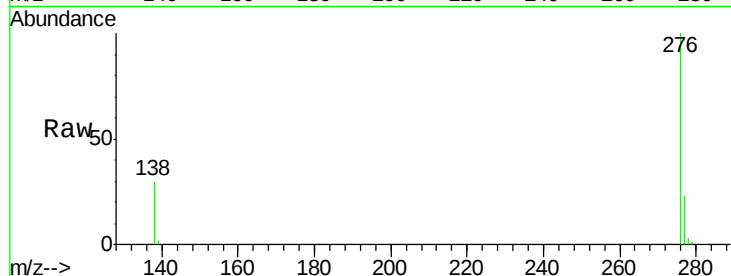
Acq: 09 Apr 2015 09:19

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001



Tgt Ion: 276 Resp: 29657

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 29.6 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

