

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040815\
 Data File : BM000925.D
 Acq On : 09 Apr 2015 13:43
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: Apr 09 14:35:28 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

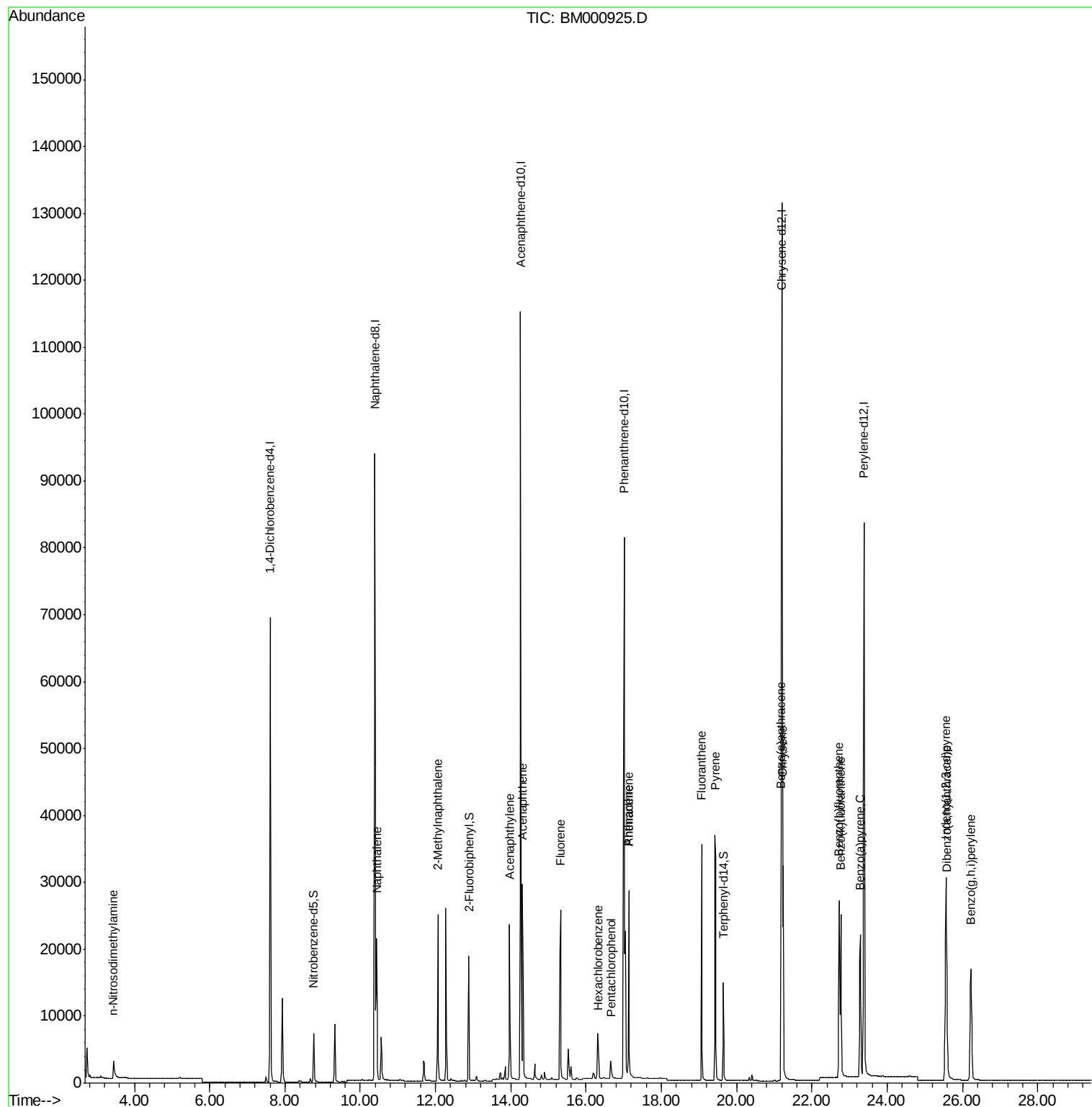
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	35578	5.00	ng	-0.01
4) Naphthalene-d8	10.39	136	123559	5.00	ng	-0.01
8) Acenaphthene-d10	14.26	164	63383	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	133280	5.00	ng	0.00
19) Chrysene-d12	21.20	240	120993	5.00	ng	-0.01
25) Perylene-d12	23.38	264	111404	5.00	ng	-0.02
System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	6264	1.00	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	18992	0.97	ng	-0.01
21) Terphenyl-d14	19.65	244	14963	1.03	ng	-0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.44	42	3312	0.96	ng	96
6) Naphthalene	10.44	128	28256	0.98	ng	100
7) 2-Methylnaphthalene	12.06	142	18258	1.01	ng	95
10) Acenaphthylene	13.97	152	27954	1.00	ng	100
11) Acenaphthene	14.31	154	18626	0.96	ng	99
12) Fluorene	15.32	166	21777	1.00	ng	98
14) Hexachlorobenzene	16.33	284	7036	0.90	ng	# 43
15) Pentachlorophenol	16.66	266	2461	1.49	ng	89
16) Phenanthrene	17.13	178	33636	0.92	ng	98
17) Anthracene	17.13	178	33784	1.10	ng	99
18) Fluoranthene	19.06	202	37748	1.05	ng	99
20) Pyrene	19.43	202	39650	1.00	ng	100
22) Benzo(a)anthracene	21.18	228	34647	1.00	ng	# 89
23) Chrysene	21.23	228	35536	0.98	ng	100
24) Indeno(1,2,3-cd)pyrene	25.56	276	36664	0.98	ng	99
26) Benzo(b)fluoranthene	22.72	252	33149	0.94	ng	97
27) Benzo(k)fluoranthene	22.78	252	34440	1.02	ng	97
28) Benzo(a)pyrene	23.29	252	29889	0.99	ng	99
29) Dibenzo(a,h)anthracene	25.58	278	28145	0.95	ng	97
30) Benzo(g,h,i)perylene	26.23	276	31218	0.97	ng	99

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

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Quant Time: Apr 09 14:35:28 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: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

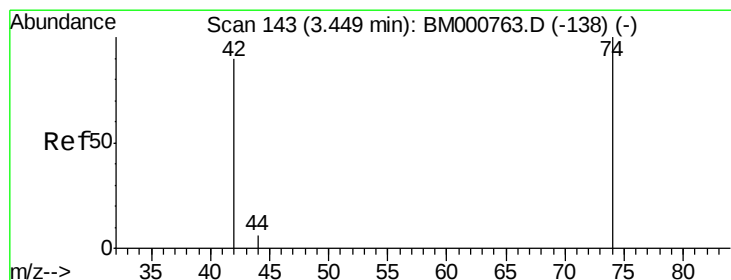
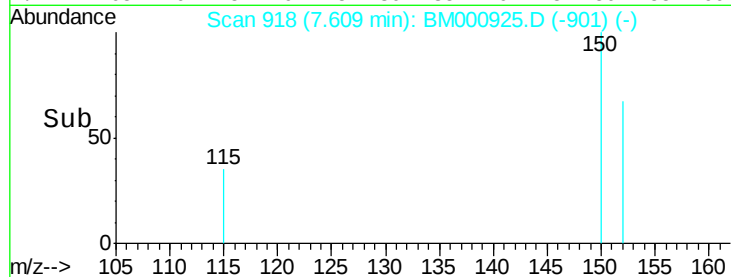
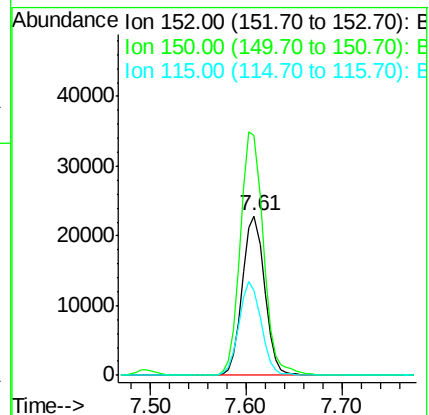
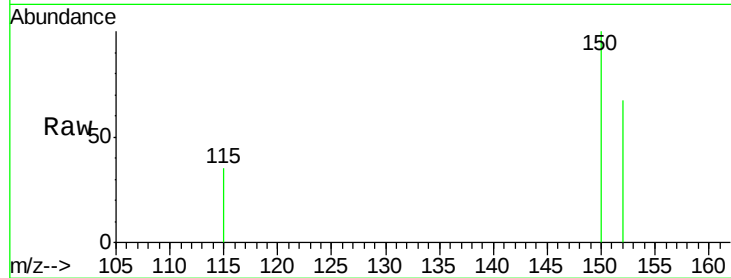
Tgt Ion:152 Resp: 35578

Ion Ratio Lower Upper

152 100

150 150.2 120.8 181.2

115 52.8 42.7 64.1



#3

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.44 min Scan# 141

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

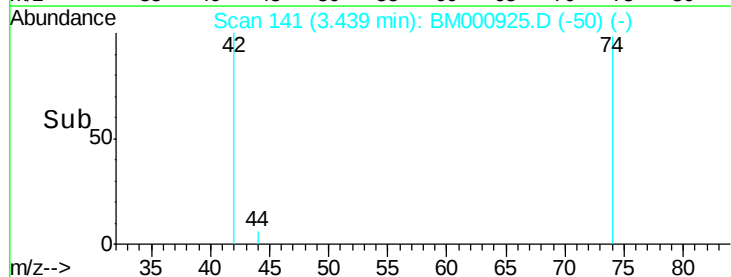
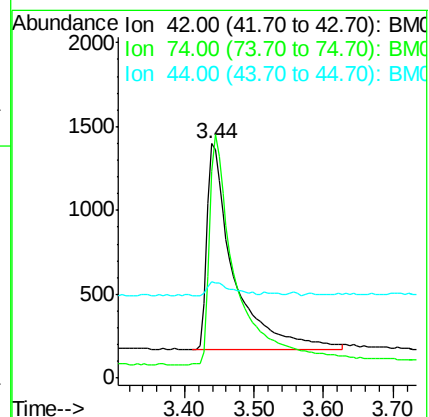
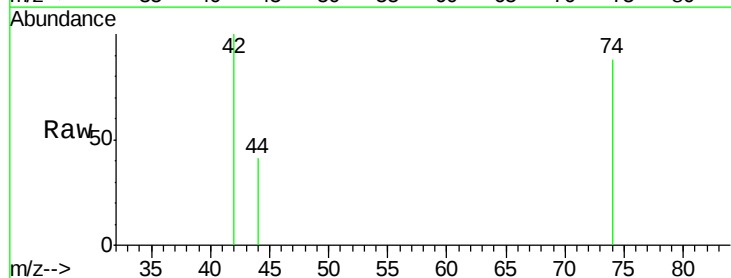
Tgt Ion: 42 Resp: 3312

Ion Ratio Lower Upper

42 100

74 121.3 93.6 140.4

44 6.4 6.3 9.5





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

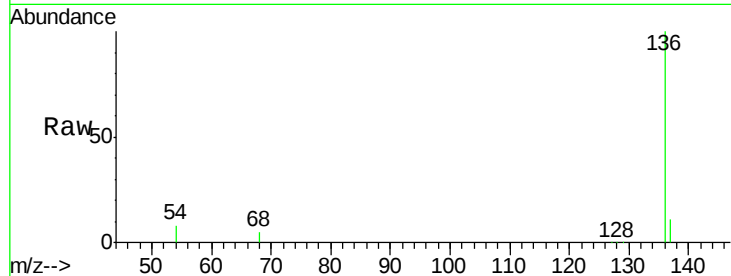
Tgt Ion: 136 Resp: 123559

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

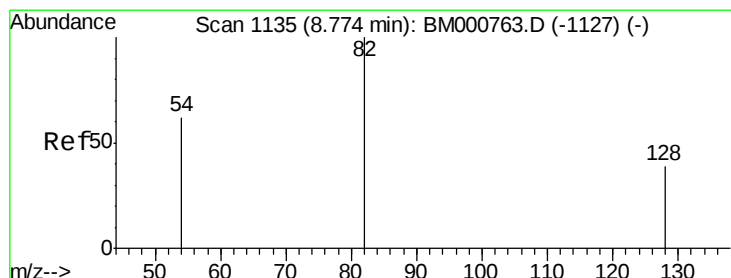
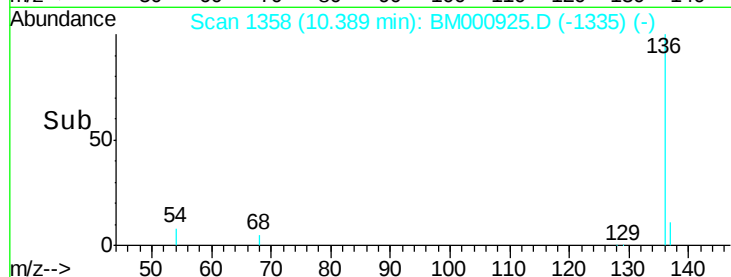
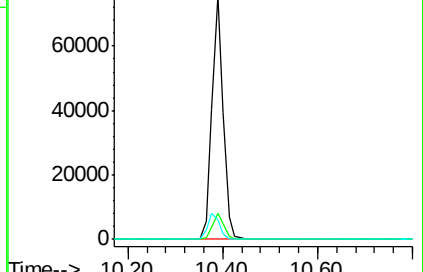
54 8.0 7.0 10.6



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: 1.00 ng

RT: 8.76 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

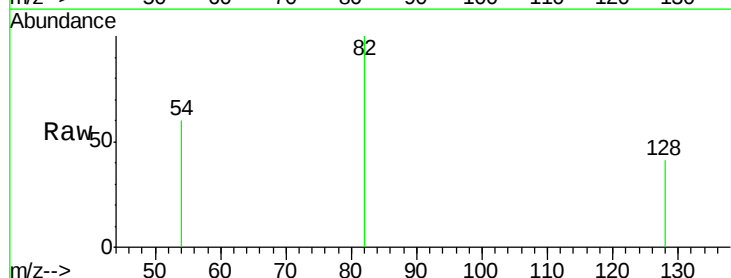
Tgt Ion: 82 Resp: 6264

Ion Ratio Lower Upper

82 100

128 41.4 32.2 48.2

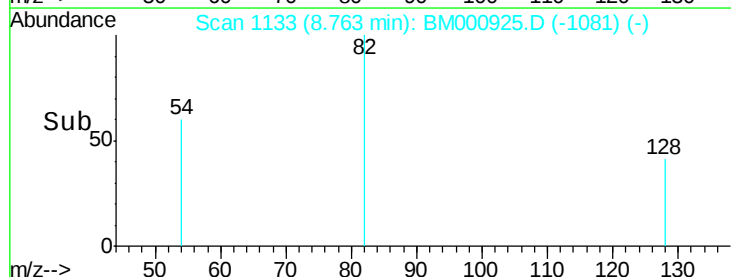
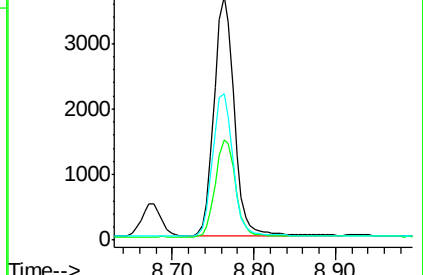
54 60.1 50.2 75.4



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: 0.98 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

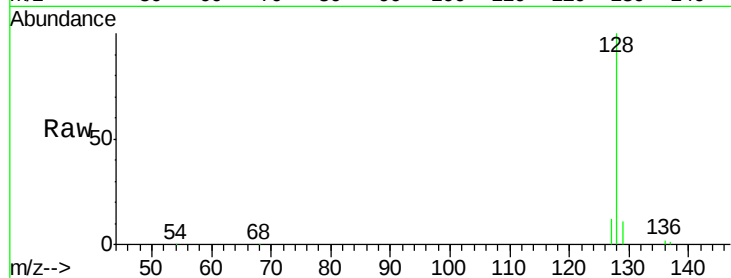
Tgt Ion:128 Resp: 28256

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

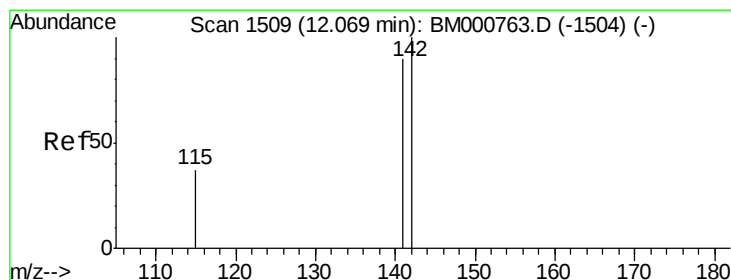
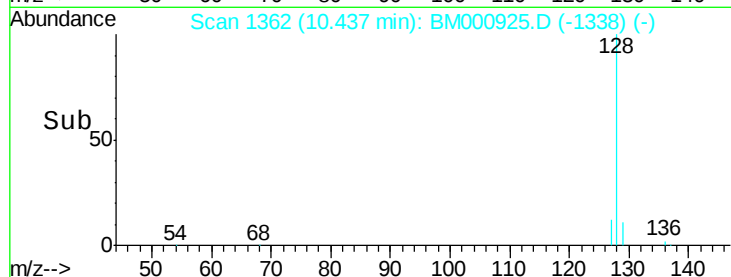
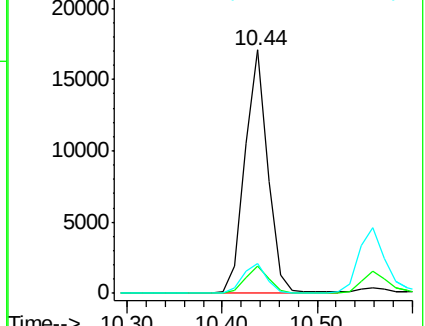
127 12.4 10.0 15.0



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: BM000925.D

Acq: 09 Apr 2015 13:43

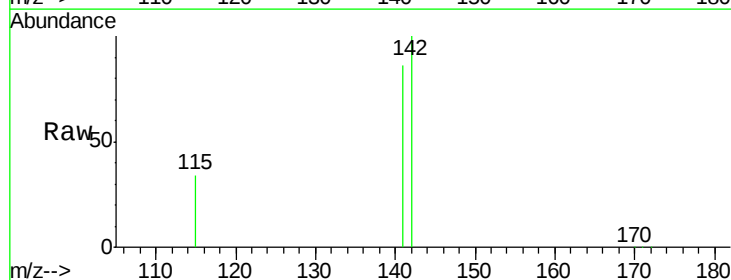
Tgt Ion:142 Resp: 18258

Ion Ratio Lower Upper

142 100

141 86.3 72.3 108.5

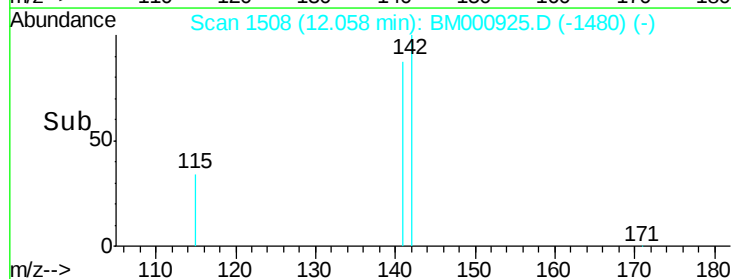
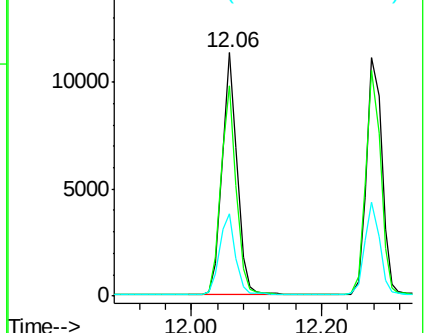
115 33.9 29.5 44.3



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: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

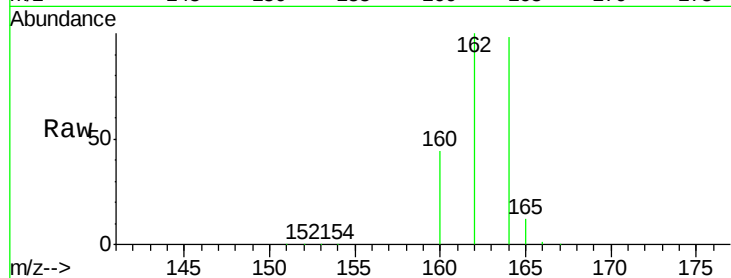
Tgt Ion:164 Resp: 63383

Ion Ratio Lower Upper

164 100

162 102.2 75.4 113.2

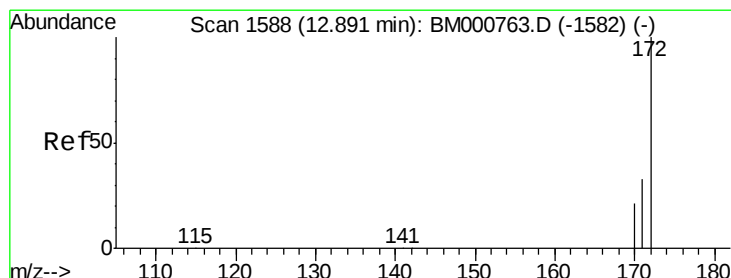
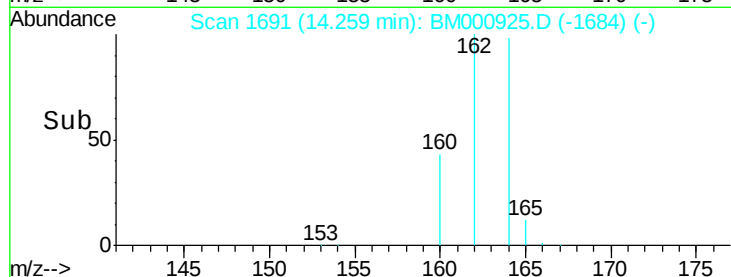
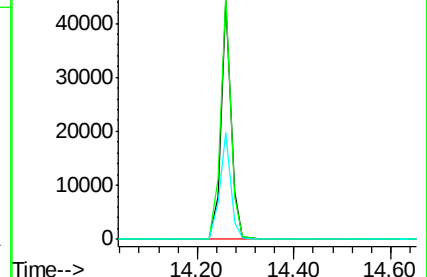
160 44.5 30.8 46.2



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: 0.97 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

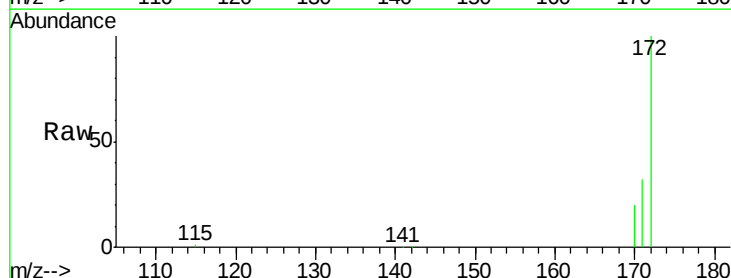
Tgt Ion:172 Resp: 18992

Ion Ratio Lower Upper

172 100

171 32.1 26.6 39.8

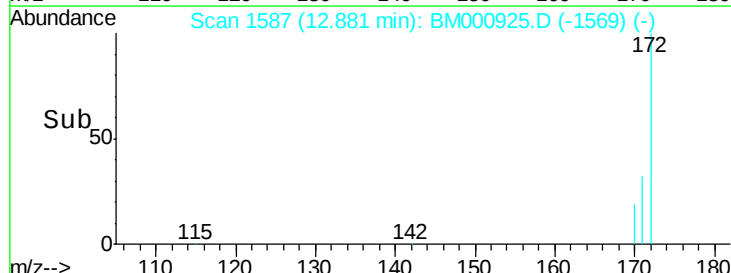
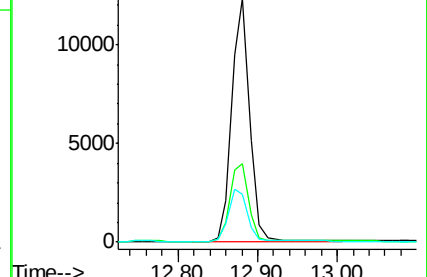
170 19.6 17.1 25.7



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: 1.00 ng

RT: 13.97 min Scan# 1674

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

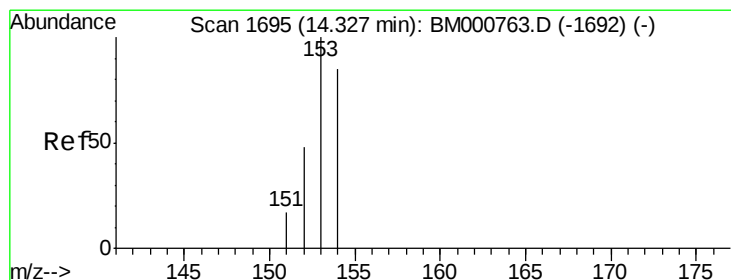
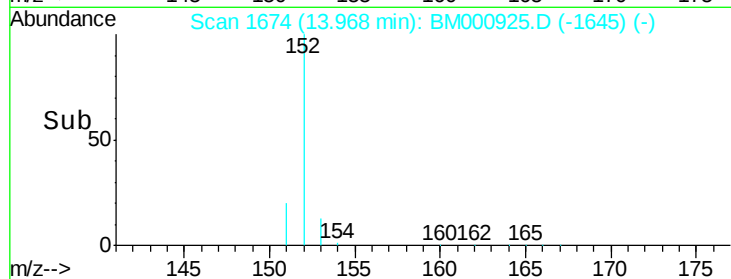
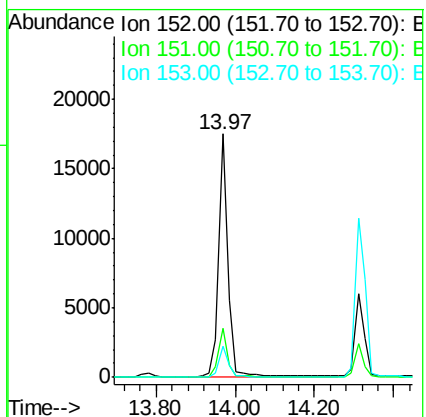
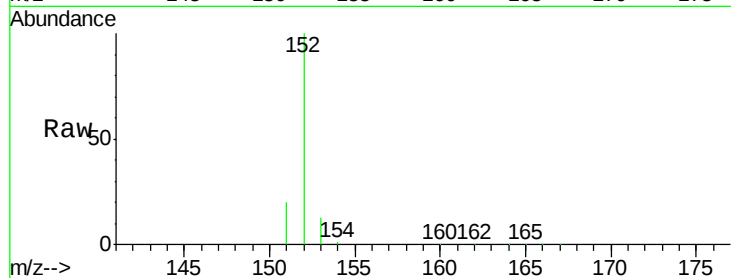
Tgt Ion:152 Resp: 27954

Ion Ratio Lower Upper

152 100

151 19.1 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: BM000925.D

Acq: 09 Apr 2015 13:43

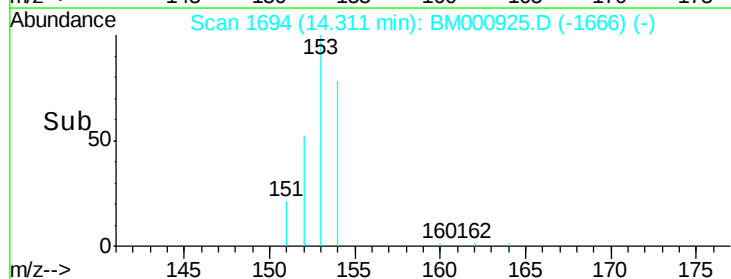
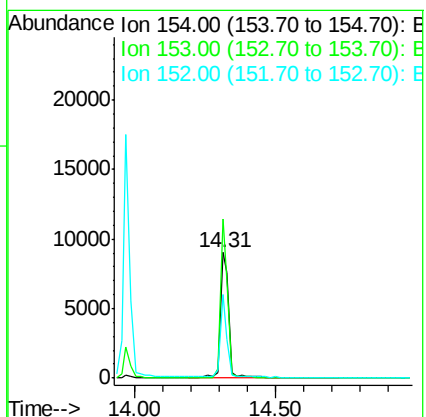
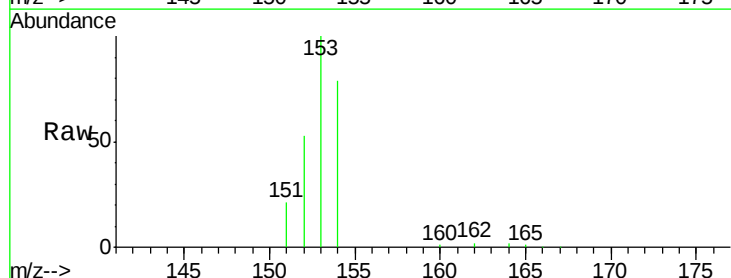
Tgt Ion:154 Resp: 18626

Ion Ratio Lower Upper

154 100

153 107.9 87.3 130.9

152 52.7 43.0 64.6





#12

Fluorene

Concen: 1.00 ng

RT: 15.32 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

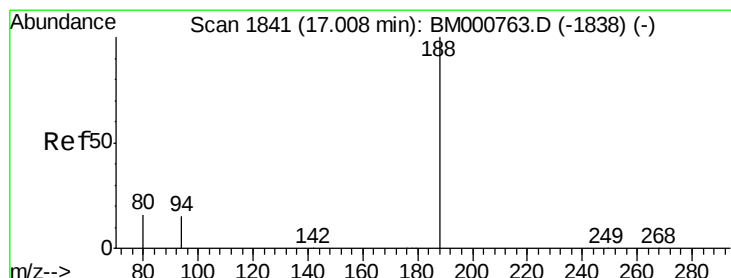
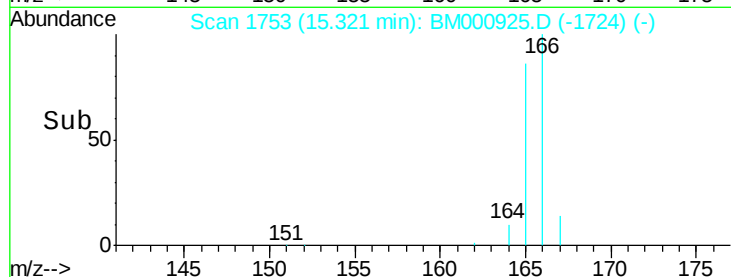
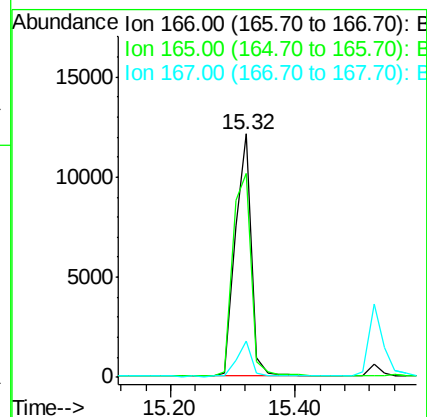
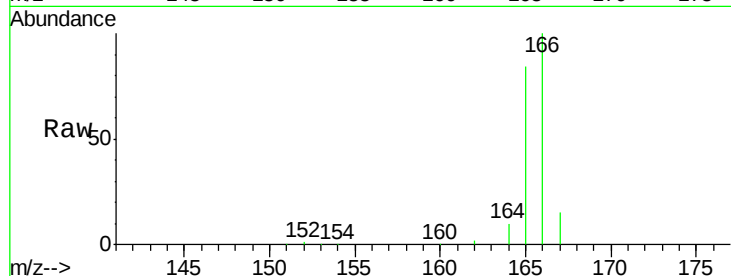
Tgt Ion:166 Resp: 21777

Ion Ratio Lower Upper

166 100

165 95.8 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: BM000925.D

Acq: 09 Apr 2015 13:43

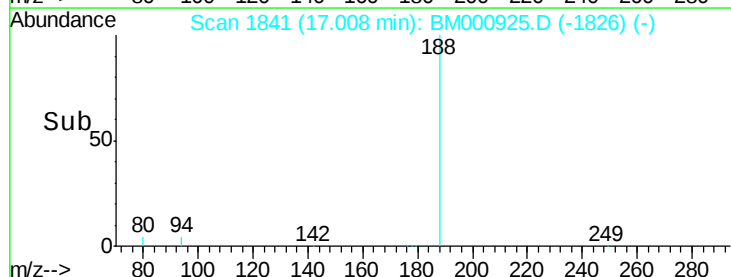
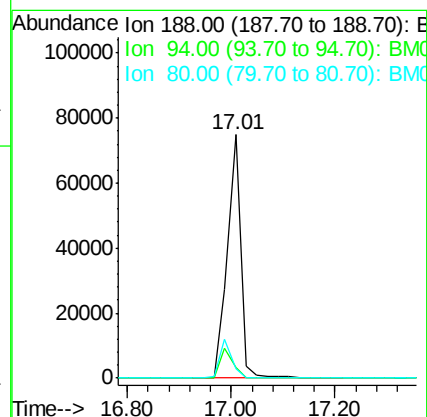
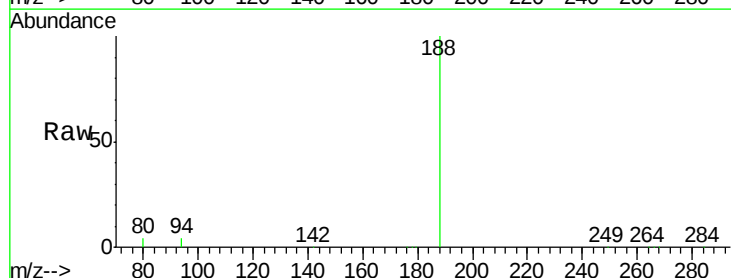
Tgt Ion:188 Resp: 133280

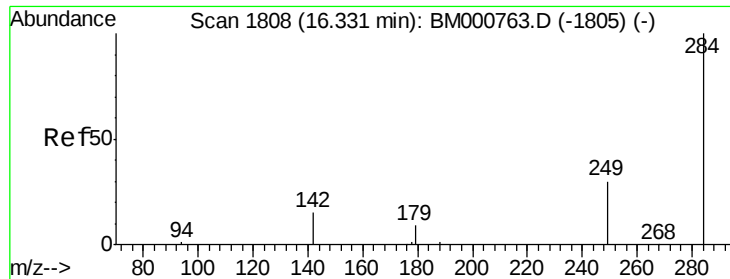
Ion Ratio Lower Upper

188 100

94 4.1 12.0 18.0#

80 3.6 12.8 19.2#

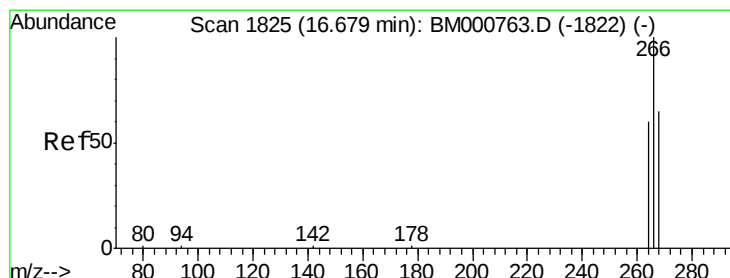
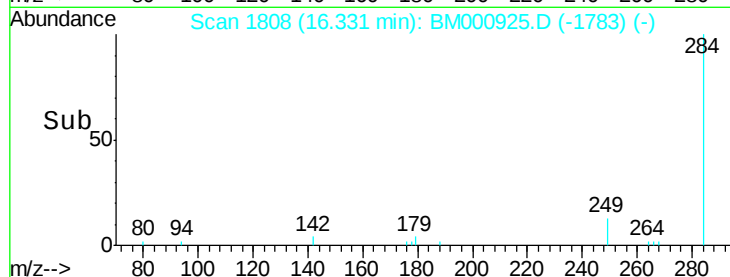
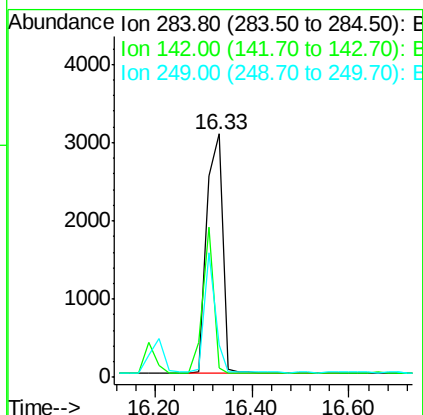
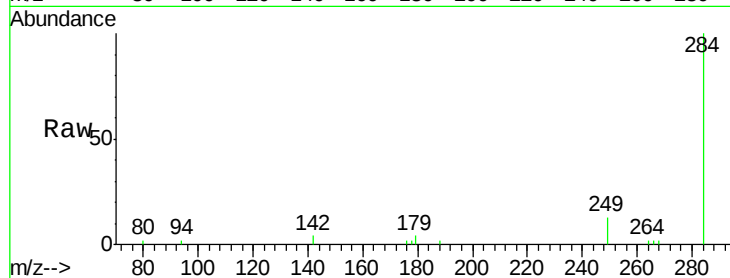




#14
Hexachlorobenzene
Concen: 0.90 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

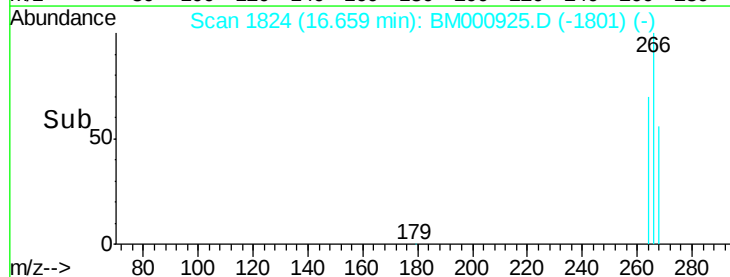
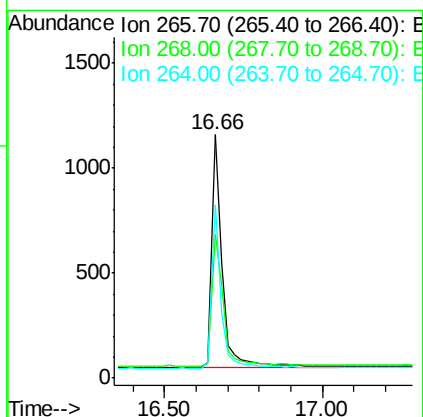
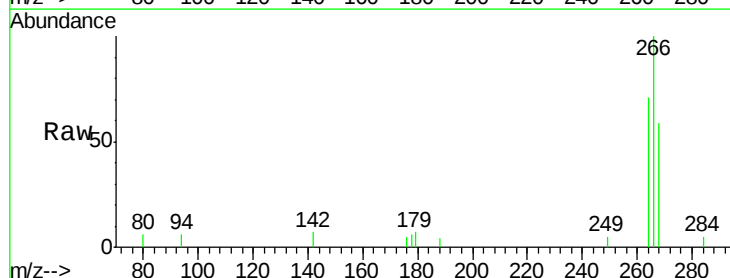
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

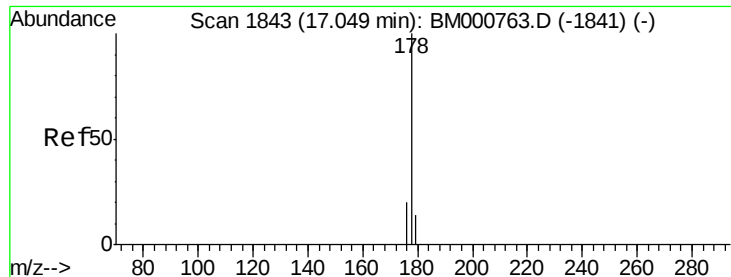
Tgt Ion: 284 Resp: 7036
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 25.2 37.8#



#15
Pentachlorophenol
Concen: 1.49 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Tgt Ion: 266 Resp: 2461
Ion Ratio Lower Upper
266 100
268 58.9 55.0 82.6
264 70.9 51.0 76.4





#16

Phenanthrene

Concen: 0.92 ng

RT: 17.13 min Scan# 1847

Delta R.T. 0.08 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

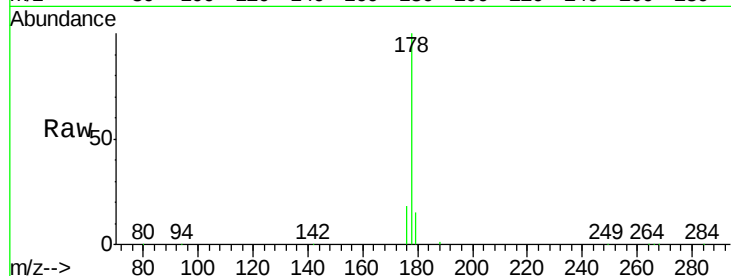
Tgt Ion:178 Resp: 33636

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

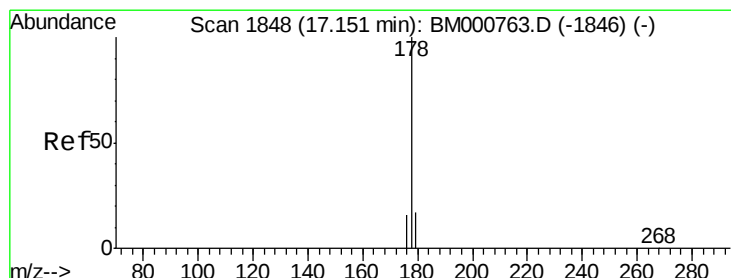
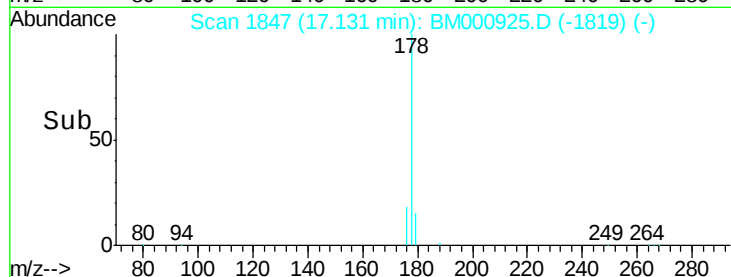
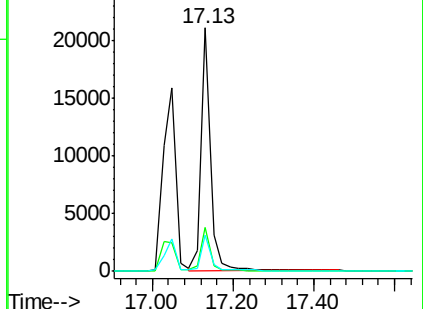
179 15.2 12.2 18.2



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: 1.10 ng

RT: 17.13 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

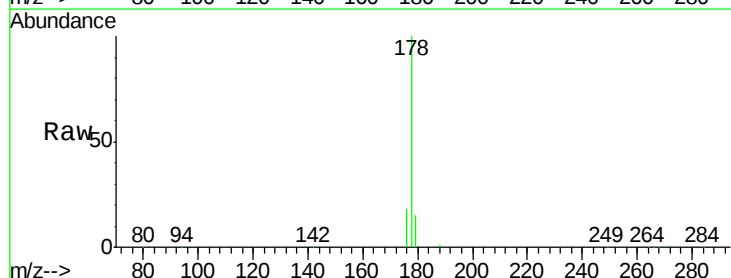
Tgt Ion:178 Resp: 33784

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

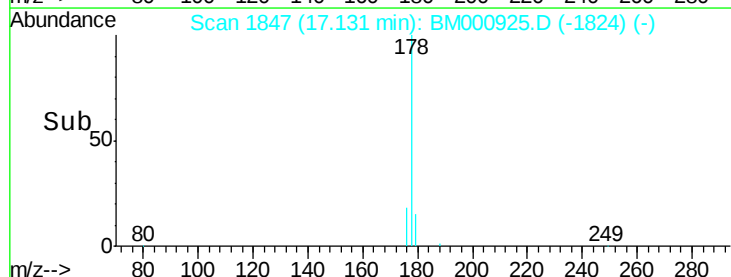
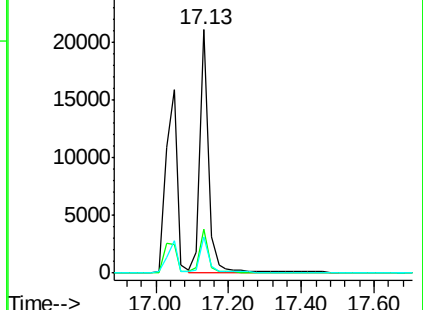
179 15.2 12.2 18.4



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

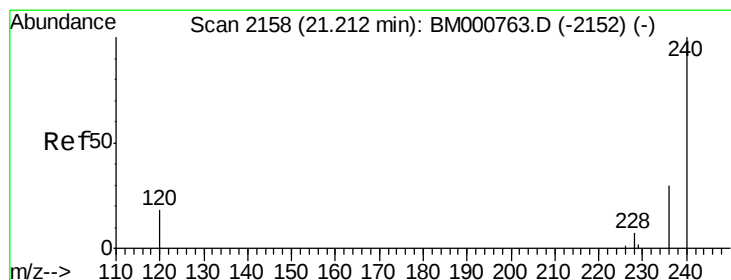
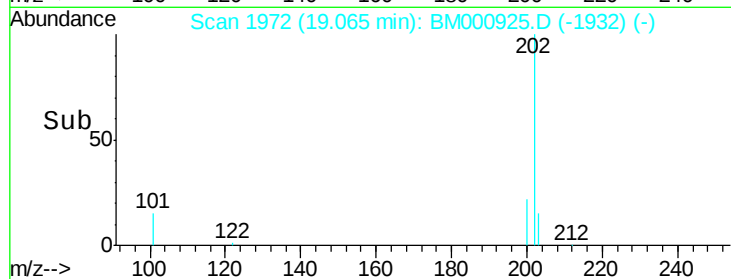
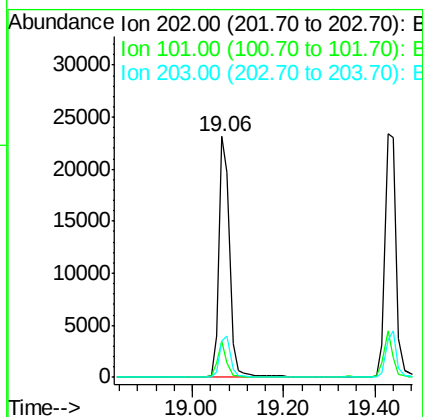
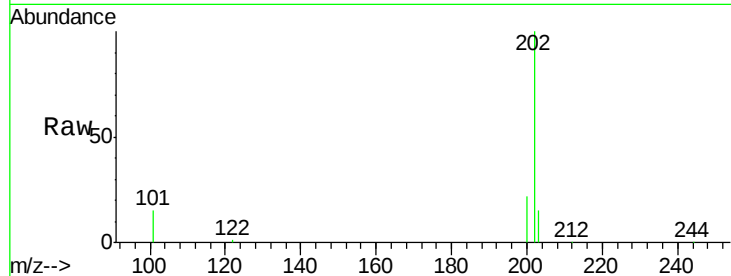




#18
 Fluoranthene
 Concen: 1.05 ng
 RT: 19.06 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

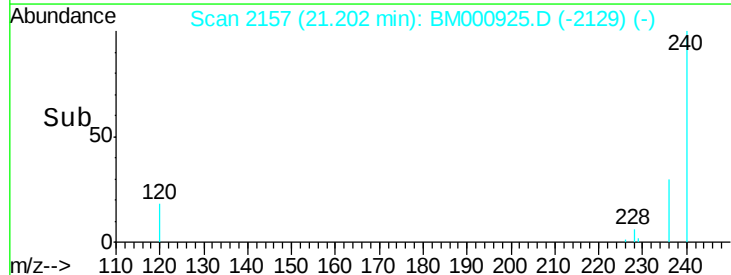
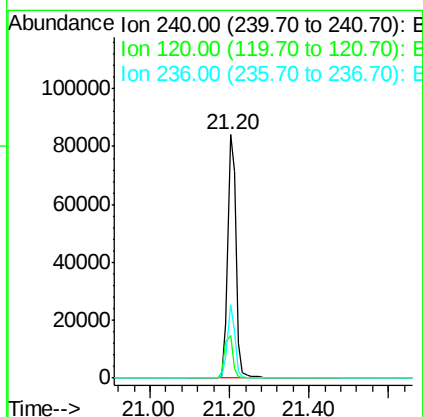
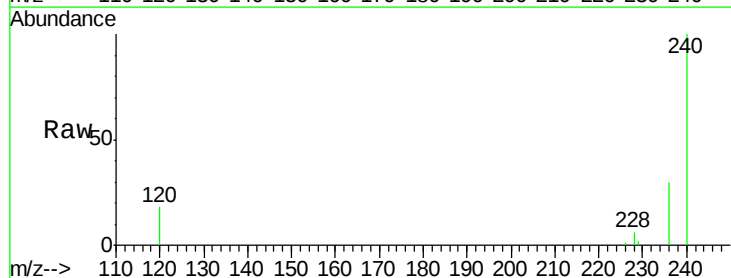
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

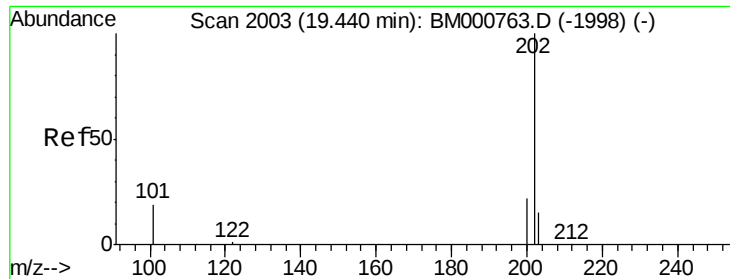
Tgt Ion: 202 Resp: 37748
 Ion Ratio Lower Upper
 202 100
 101 12.6 10.5 15.7
 203 17.2 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Tgt Ion: 240 Resp: 120993
 Ion Ratio Lower Upper
 240 100
 120 17.6 14.9 22.3
 236 30.0 24.2 36.4

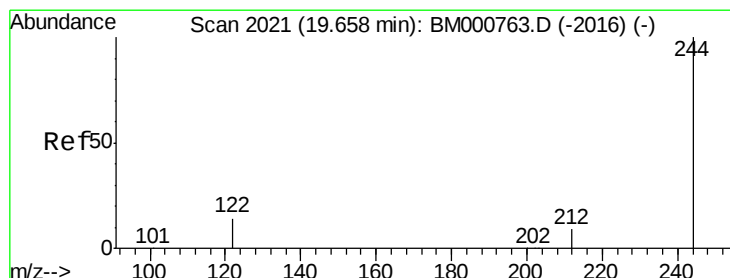
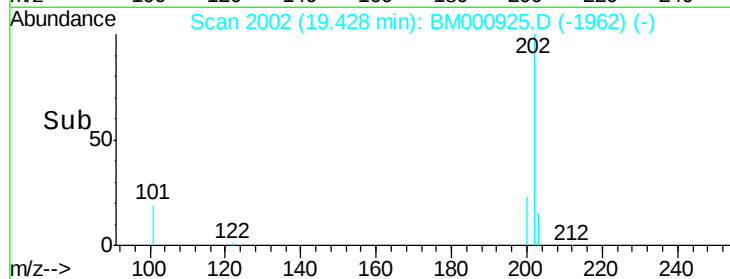
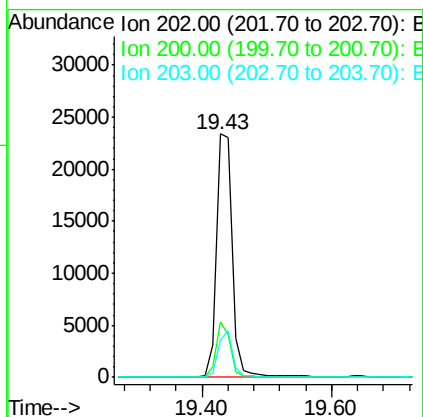
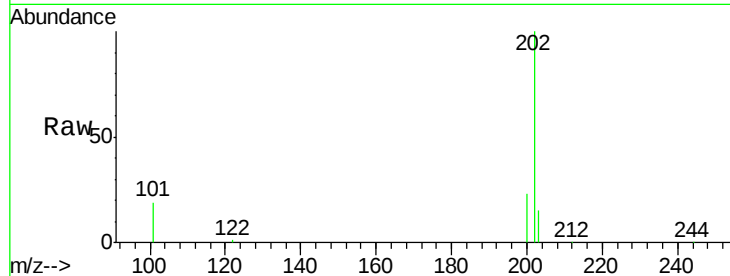




#20
 Pyrene
 Concen: 1.00 ng
 RT: 19.43 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

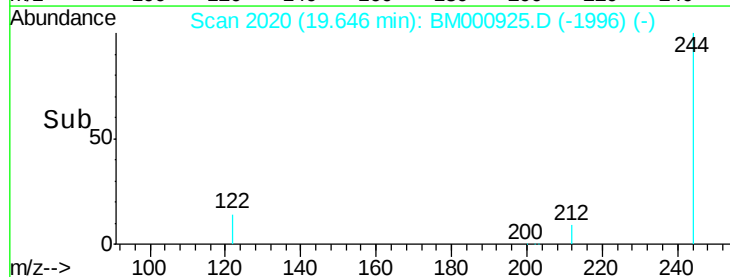
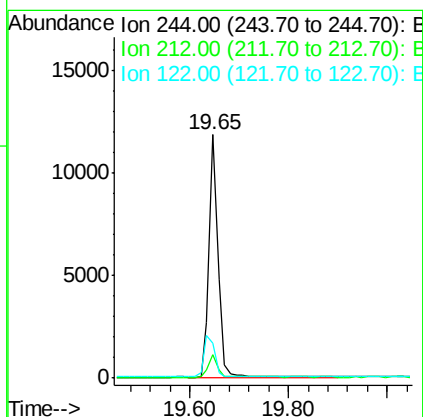
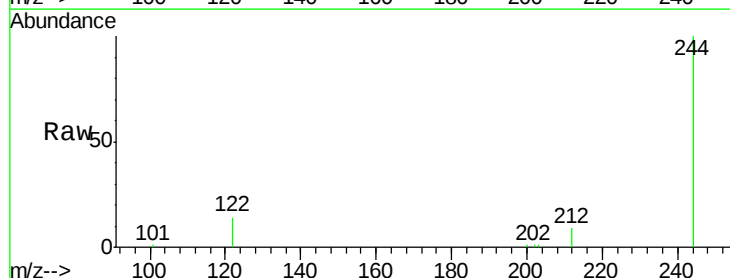
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion:202 Resp: 39650
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.2
 203 17.3 13.9 20.9



#21
 Terphenyl-d14
 Concen: 1.03 ng
 RT: 19.65 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Tgt Ion:244 Resp: 14963
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.8 11.6
 122 14.3 11.8 17.8





#22

Benzo(a)anthracene

Concen: 1.00 ng

RT: 21.18 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

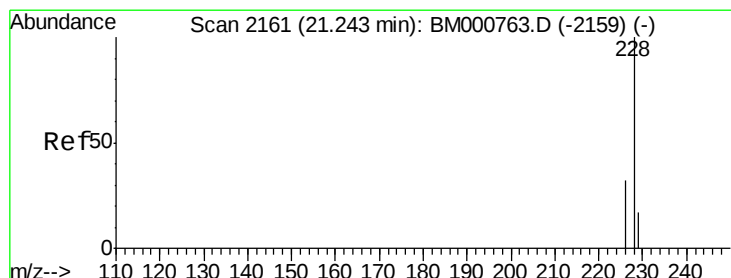
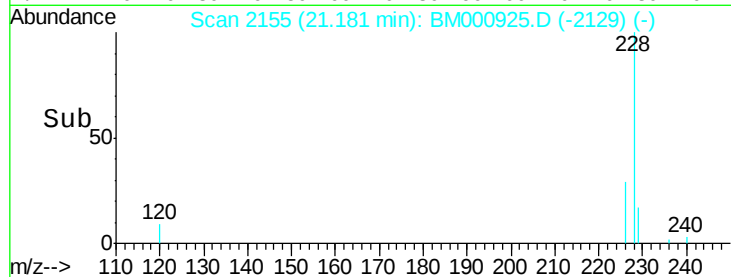
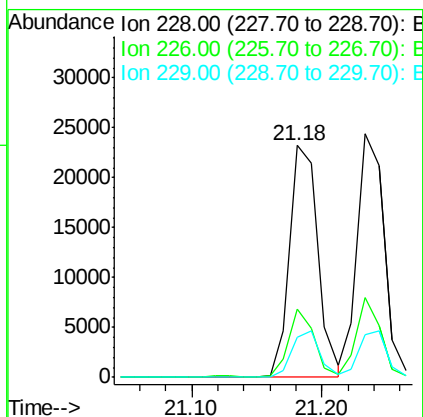
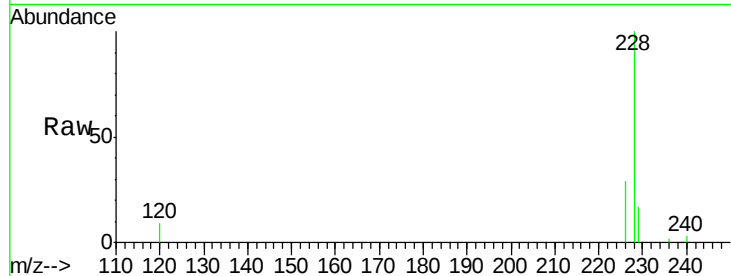
Tgt Ion:228 Resp: 34647

Ion Ratio Lower Upper

228 100

226 29.4 18.6 27.8#

229 17.1 17.2 25.8#



#23

Chrysene

Concen: 0.98 ng

RT: 21.23 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

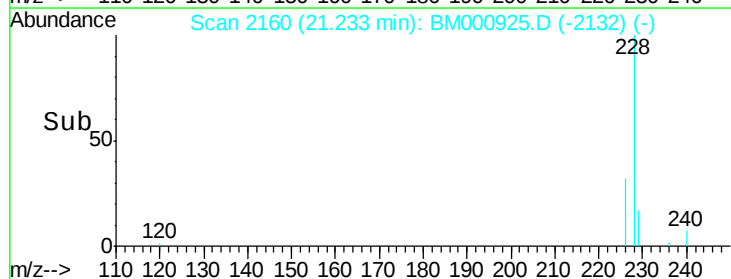
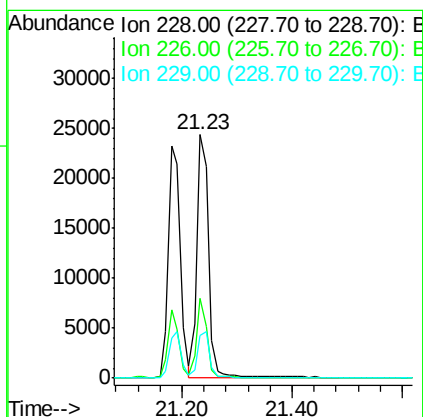
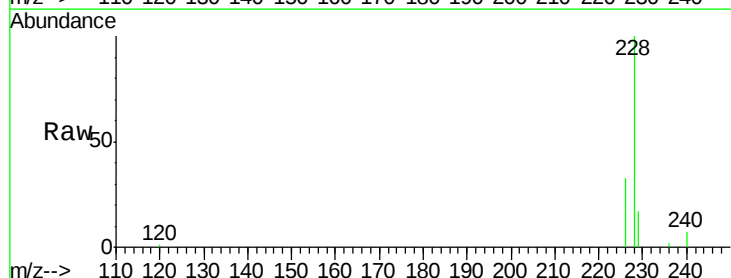
Tgt Ion:228 Resp: 35536

Ion Ratio Lower Upper

228 100

226 32.5 25.8 38.8

229 17.3 13.8 20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.98 ng

RT: 25.56 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

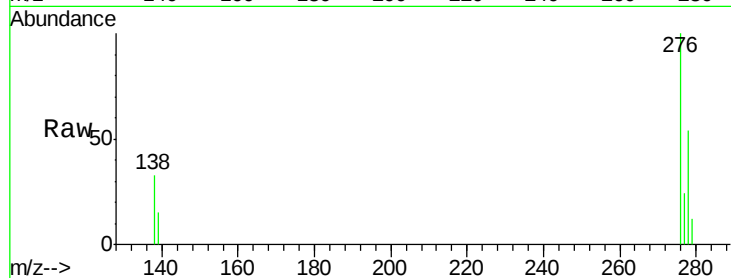
Tgt Ion: 276 Resp: 36664

Ion Ratio Lower Upper

276 100

138 33.2 27.4 41.2

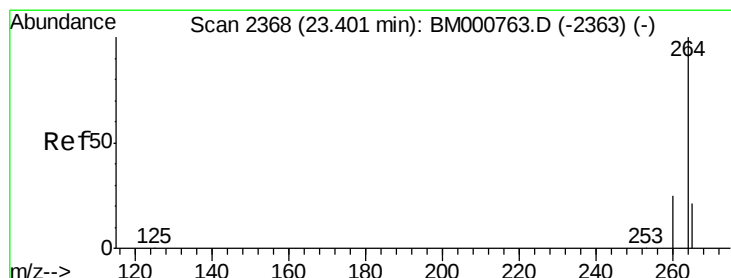
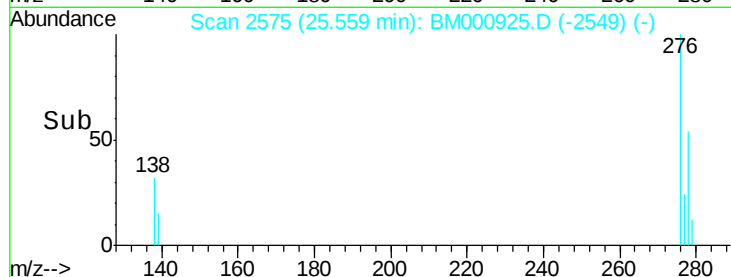
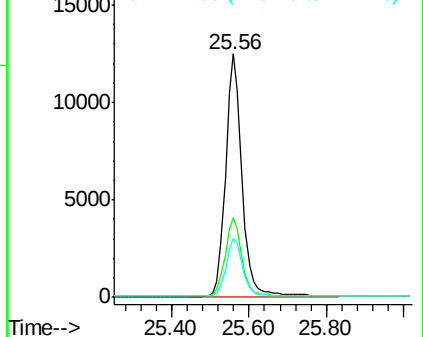
277 24.6 19.7 29.5



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: 23.38 min Scan# 2366

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

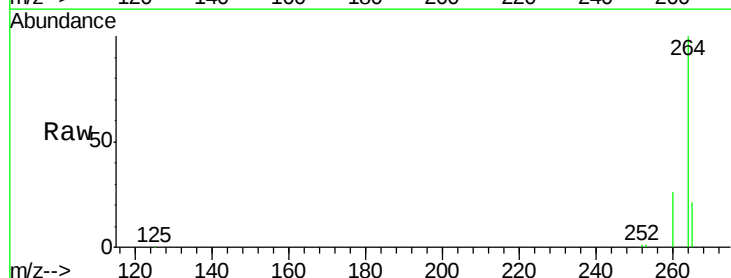
Tgt Ion: 264 Resp: 111404

Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

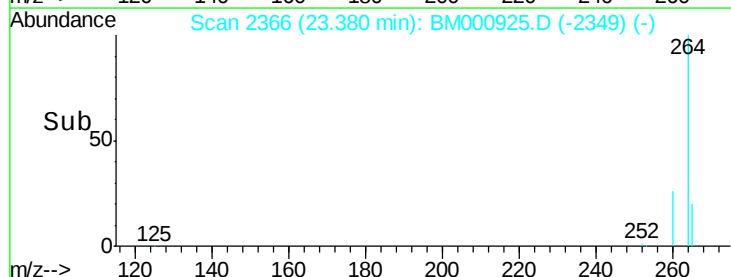
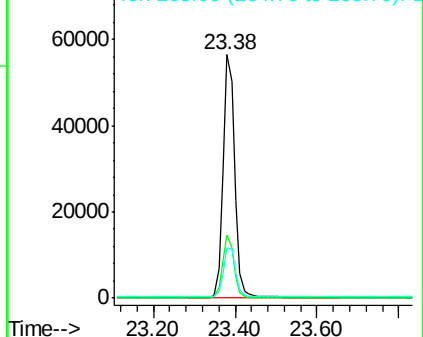
265 20.5 17.4 26.0

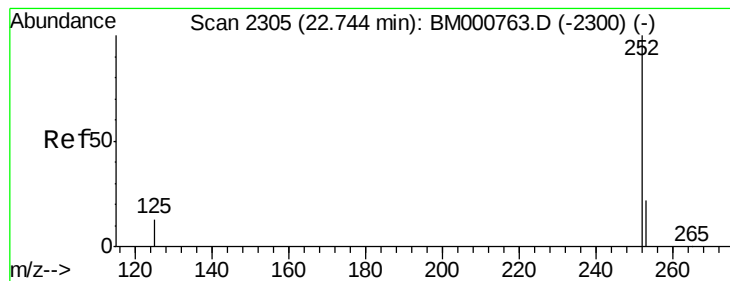


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 0.94 ng

RT: 22.72 min Scan# 2303

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

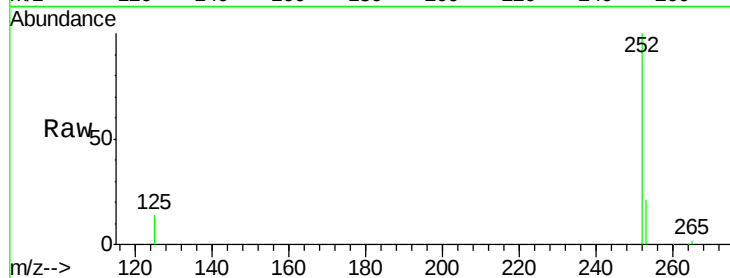
Tgt Ion:252 Resp: 33149

Ion Ratio Lower Upper

252 100

253 21.2 18.5 27.7

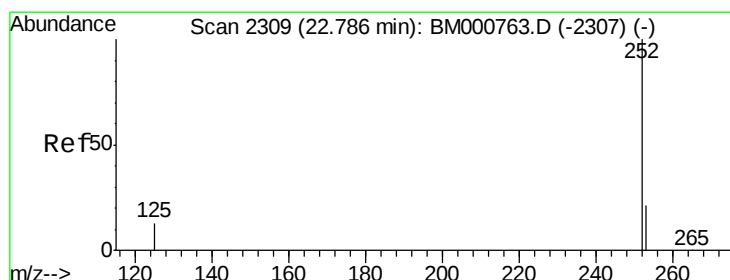
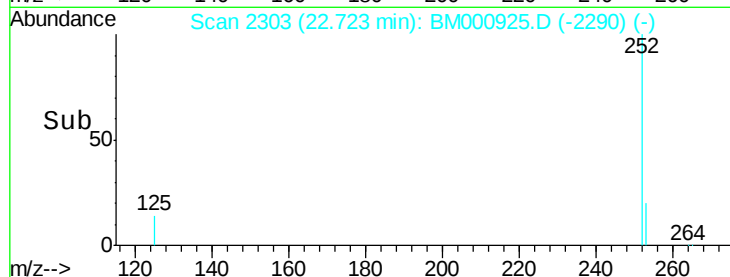
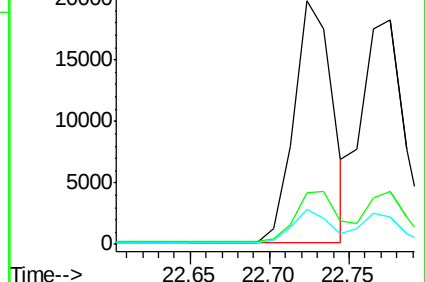
125 14.3 10.6 16.0



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: 22.78 min Scan# 2308

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

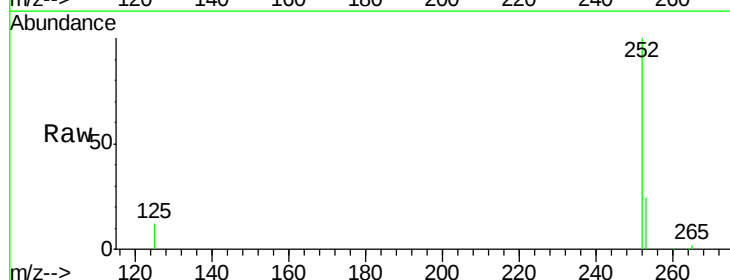
Tgt Ion:252 Resp: 34440

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

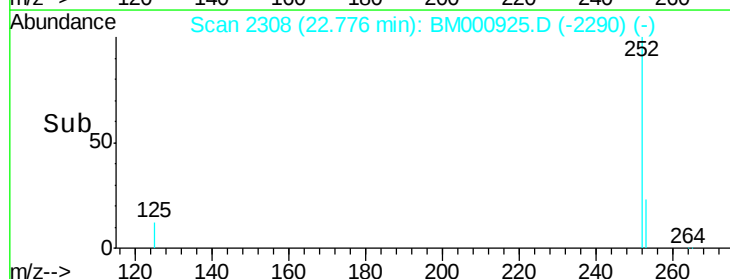
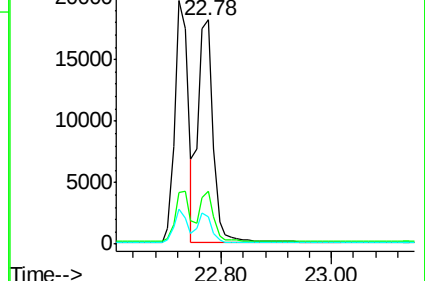
125 12.2 10.8 16.2



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: 23.29 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

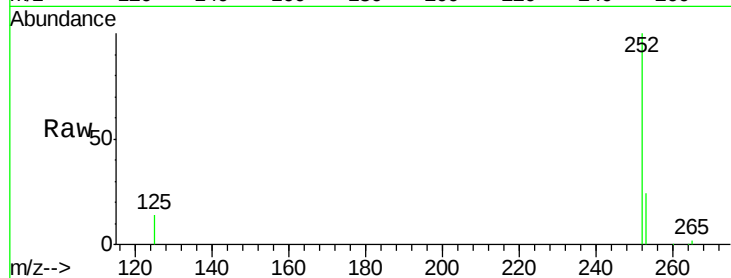
Tgt Ion:252 Resp: 29889

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

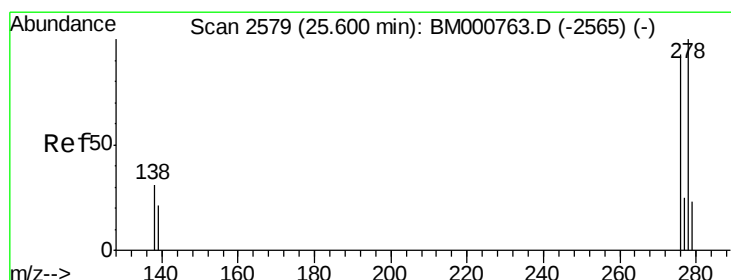
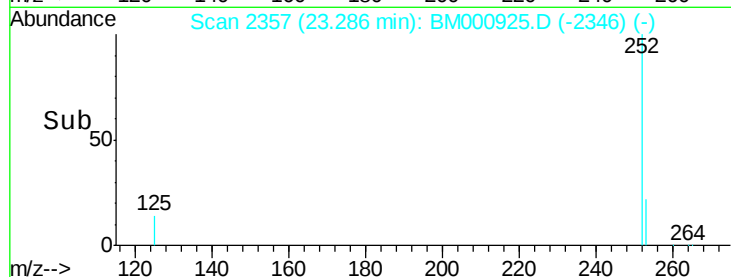
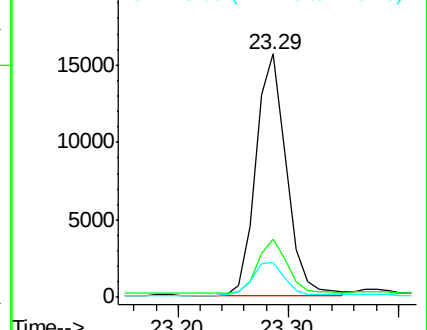
125 14.2 11.5 17.3



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: 0.95 ng

RT: 25.58 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

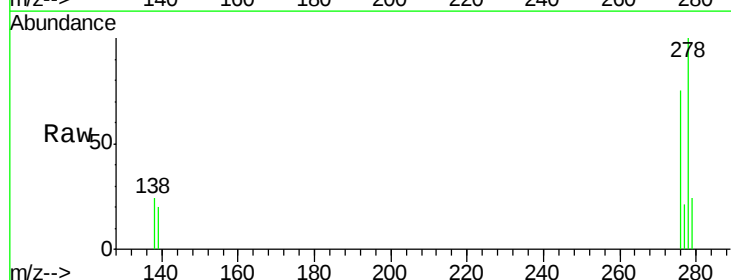
Tgt Ion:278 Resp: 28145

Ion Ratio Lower Upper

278 100

139 20.0 17.8 26.6

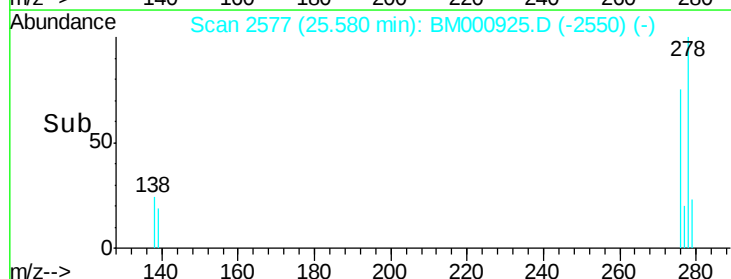
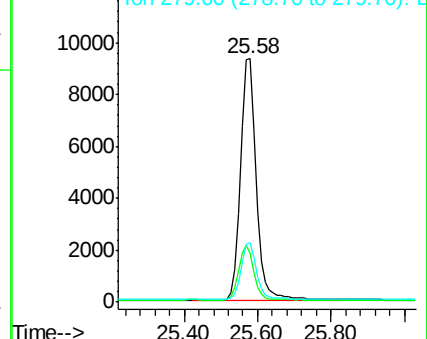
279 24.5 19.3 28.9



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: 26.23 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BM000925.D

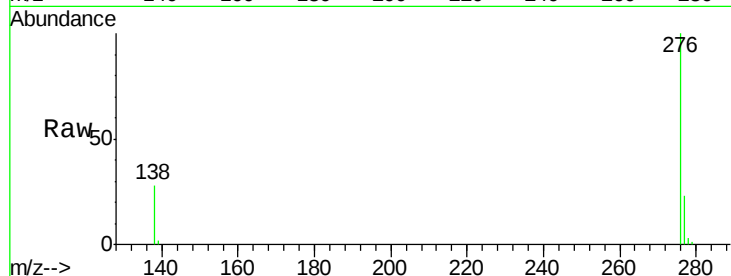
Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC



Tgt Ion: 276 Resp: 31218

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 28.0 23.1 34.7

