

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000611.D
 Acq On : 27 Feb 2015 17:58
 Operator : TP/IZ
 Sample : SSTD0.132
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD0.132

Quant Time: Feb 27 22:50:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM022715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 22:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	2807	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	9609	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5301	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	9793	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	7297	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	6257	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	1049	0.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	1214	0.10	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	1967	0.11	ng/ul	0.01

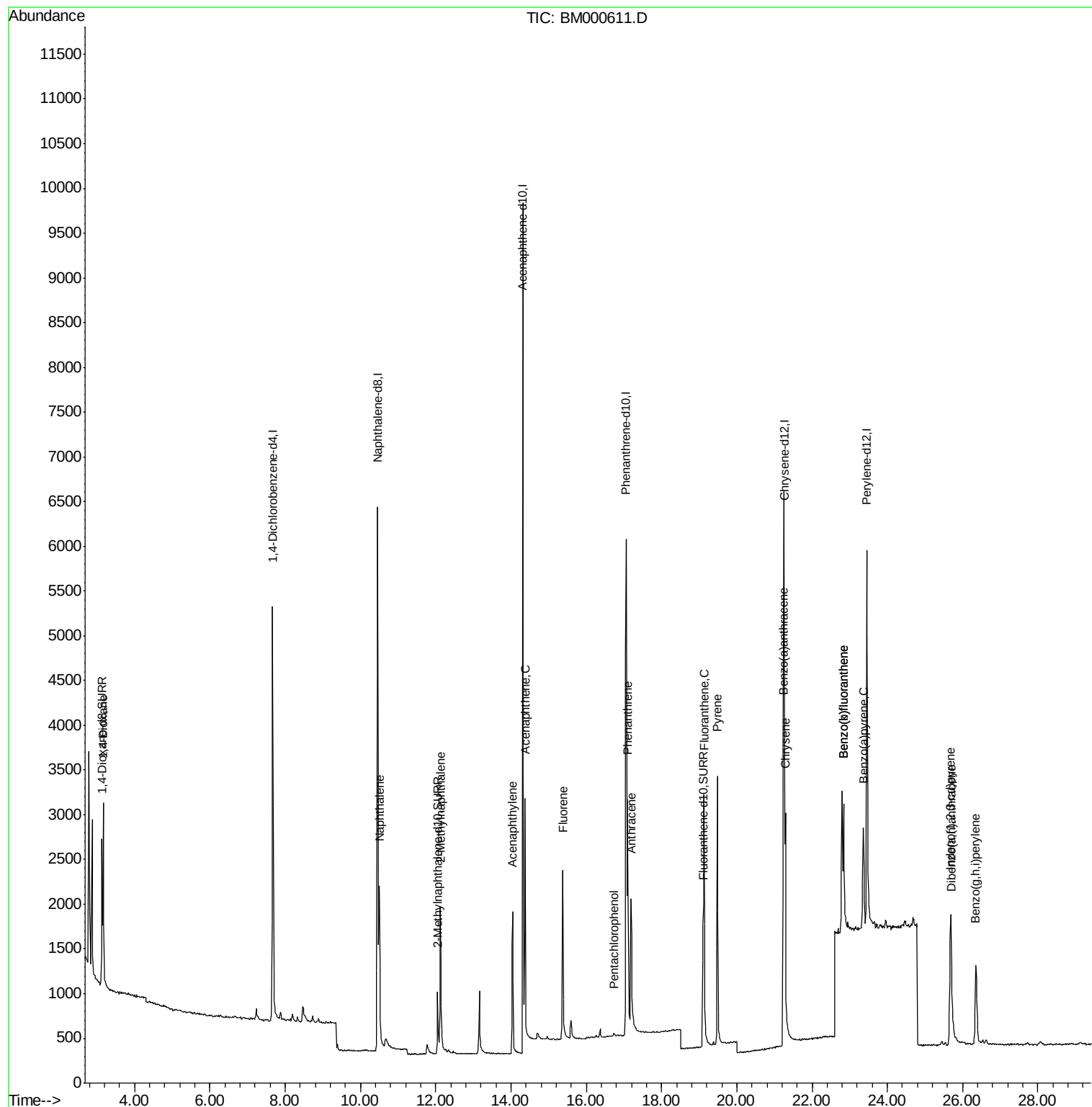
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	1684	0.51	ng/ul	91
5) Naphthalene	10.50	128	2603	0.11	ng/ul#	93
7) 2-Methylnaphthalene	12.13	142	1667	0.11	ng/ul	99
9) Acenaphthylene	14.04	152	2205	0.10	ng/ul#	96
10) Acenaphthene	14.38	153	1734	0.11	ng/ul	96
11) Fluorene	15.38	166	2006	0.11	ng/ul#	84
13) Pentachlorophenol	16.72	266	82	0.06	ng/ul#	68
14) Phenanthrene	17.10	178	2930	0.11	ng/ul#	92
15) Anthracene	17.19	178	2563	0.11	ng/ul#	90
17) Fluoranthene	19.12	202	3124	0.11	ng/ul	94
19) Pyrene	19.49	202	3208	0.10	ng/ul	96
20) Benzo(a)anthracene	21.24	228	2140	0.10	ng/ul#	92
21) Chrysene	21.29	228	2734	0.11	ng/ul#	93
23) Benzo(b)fluoranthene	22.84	252	2186	0.10	ng/ul	62
24) Benzo(k)fluoranthene	22.84	252	2186	0.10	ng/ul#	62
25) Benzo(a)pyrene	23.36	252	2302	0.12	ng/ul#	54
26) Indeno(1,2,3-cd)pyrene	25.68	276	2436	0.11	ng/ul	99
27) Dibenzo(a,h)anthracene	25.70	278	1892	0.11	ng/ul#	66
28) Benzo(g,h,i)perylene	26.35	276	2163	0.11	ng/ul#	90

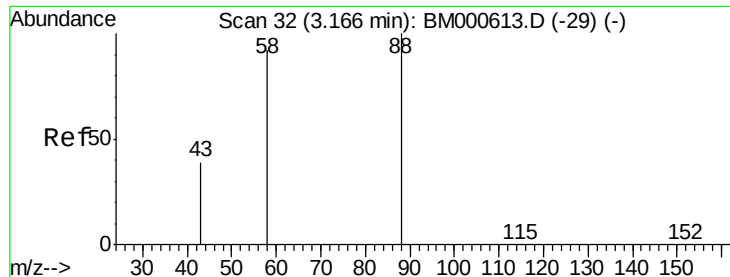
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.51 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

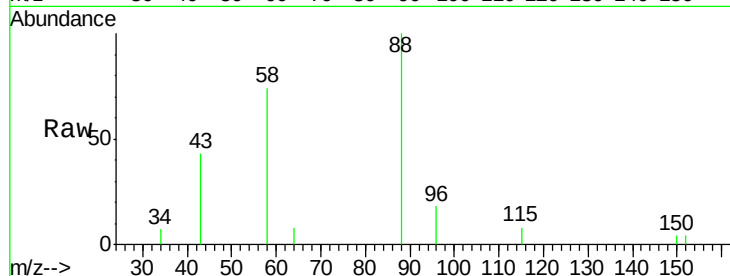
Tgt Ion: 88 Resp: 1684

Ion Ratio Lower Upper

88 100

58 69.2 62.7 94.1

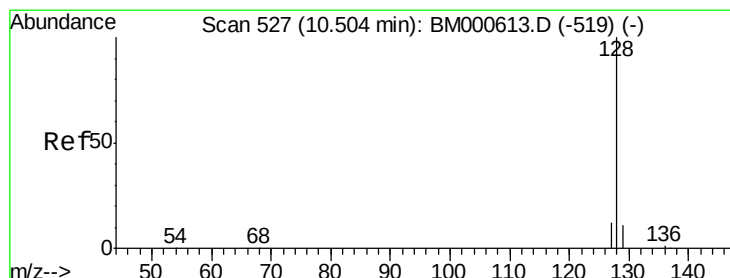
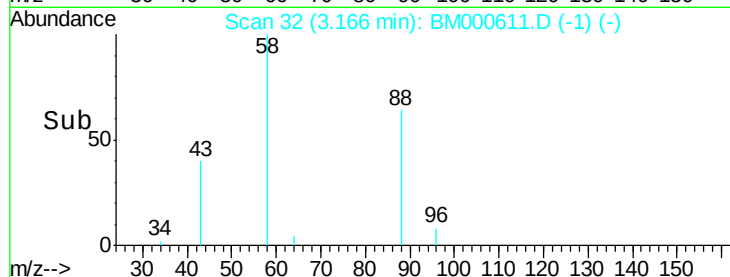
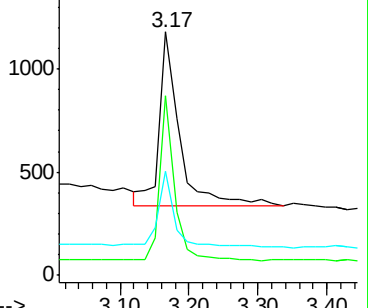
43 39.4 28.8 43.2



Abundance Ion 88.00 (87.70 to 88.70): BM000611.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000611.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000611.D (-29) (-)



#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

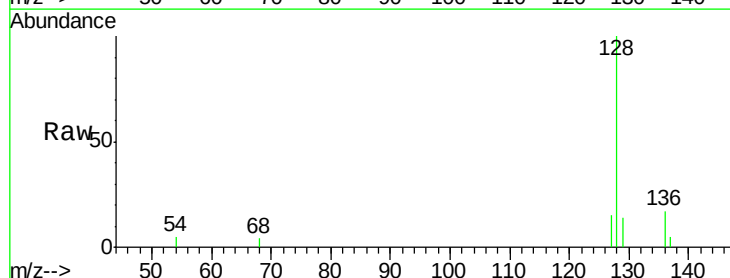
Tgt Ion: 128 Resp: 2603

Ion Ratio Lower Upper

128 100

129 14.0 9.4 14.0

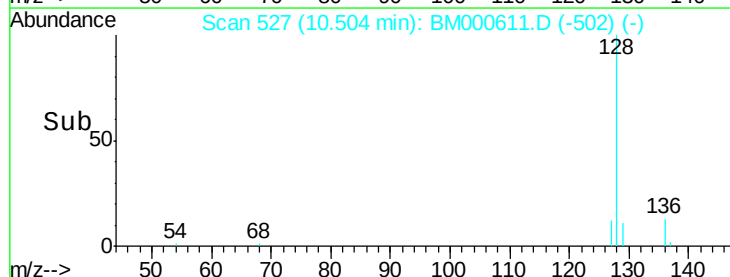
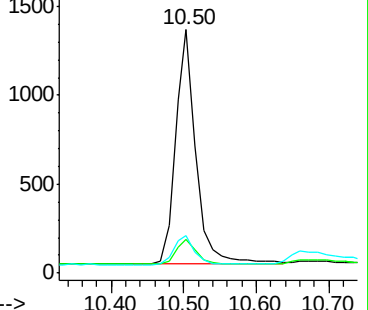
127 15.4 10.0 15.0#

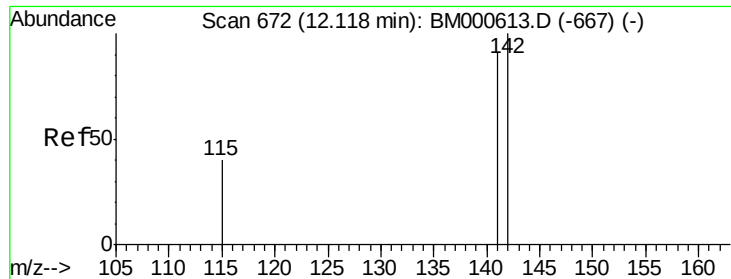


Abundance Ion 128.00 (127.70 to 128.70): BM000611.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000611.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000611.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.13 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

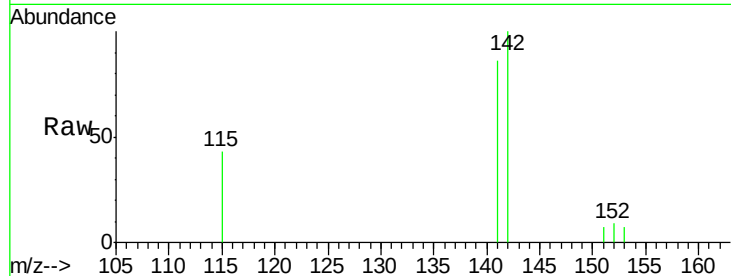
SSTD0.132

Tgt Ion:142 Resp: 1667

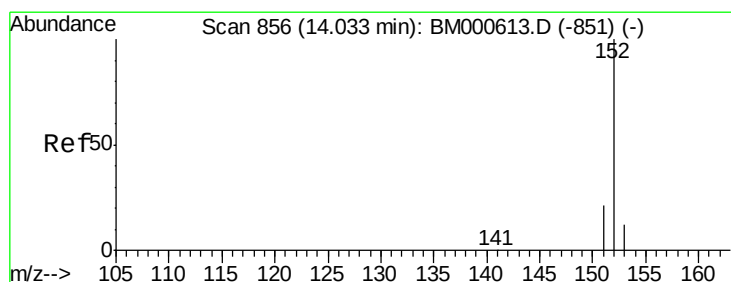
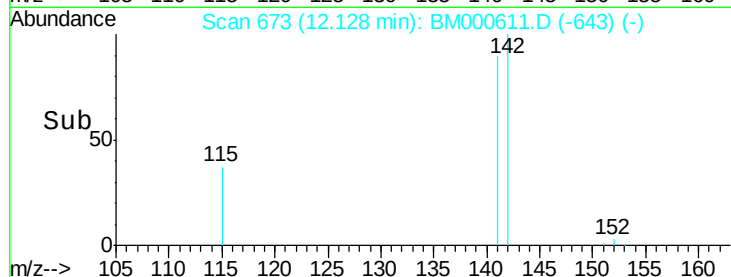
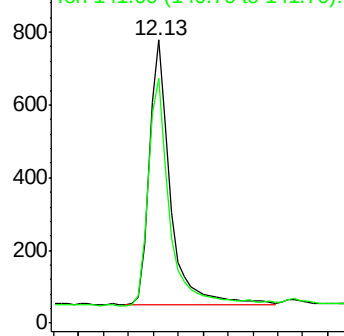
Ion Ratio Lower Upper

142 100

141 88.1 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E



#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

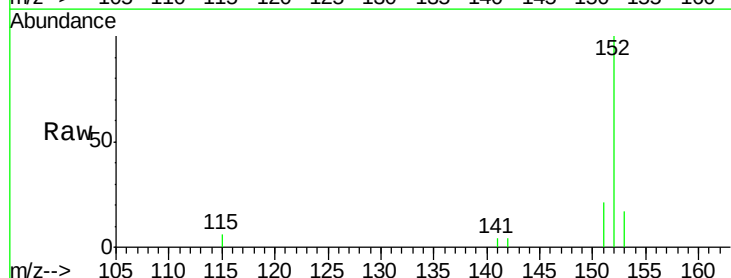
Tgt Ion:152 Resp: 2205

Ion Ratio Lower Upper

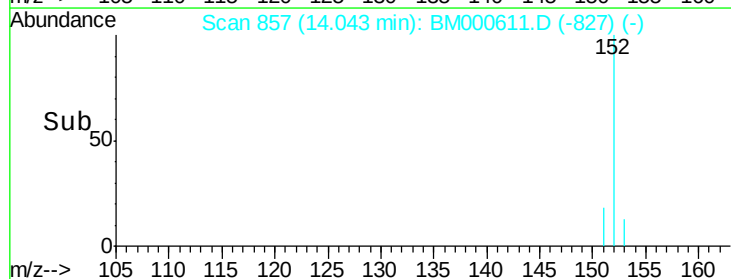
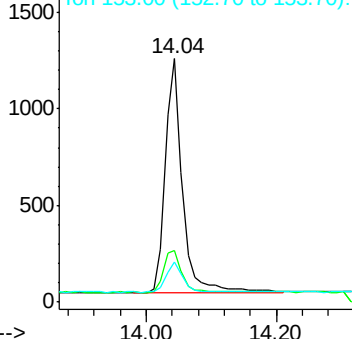
152 100

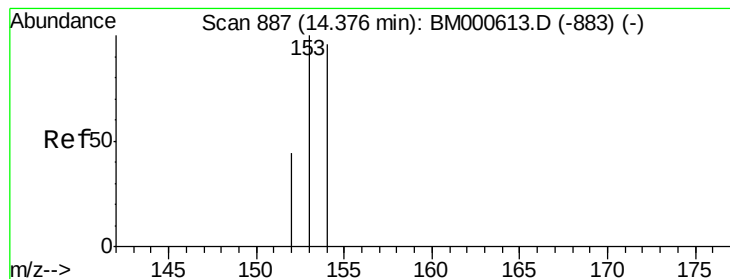
151 21.4 17.0 25.6

153 16.7 9.9 14.9#



Abundance Ion 152.00 (151.70 to 152.70): E





#10

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

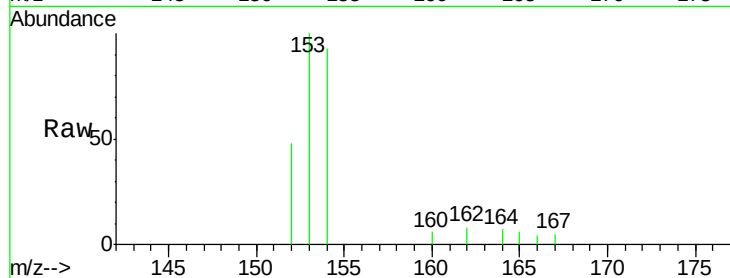
Tgt Ion:153 Resp: 1734

Ion Ratio Lower Upper

153 100

152 48.0 35.9 53.9

154 92.6 76.9 115.3



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

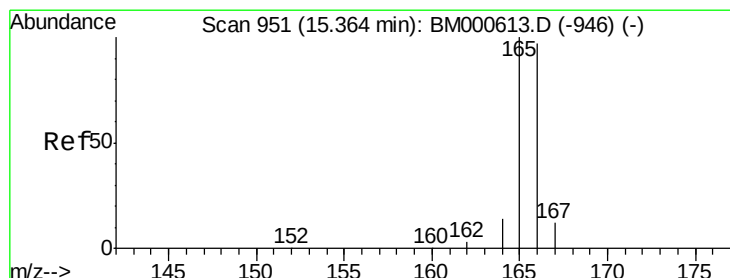
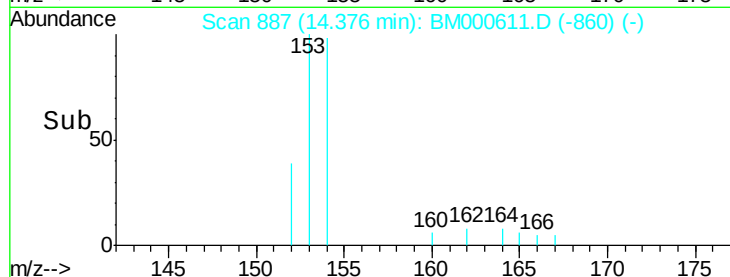
14.38

1000

500

0

Time--> 14.20 14.40 14.60



#11

Fluorene

Concen: 0.11 ng/ul

RT: 15.38 min Scan# 952

Delta R.T. 0.02 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

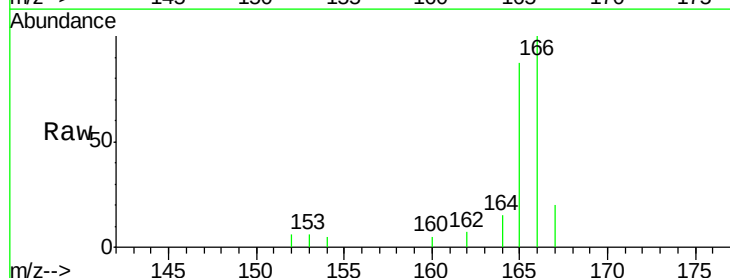
Tgt Ion:166 Resp: 2006

Ion Ratio Lower Upper

166 100

165 86.5 82.5 123.7

167 19.9 10.6 16.0#



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

15.38

1200

1000

800

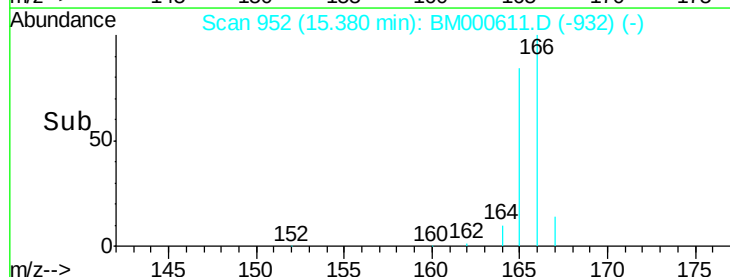
600

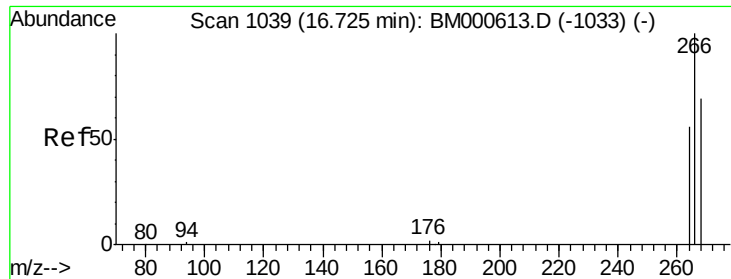
400

200

0

Time--> 15.20 15.40 15.60

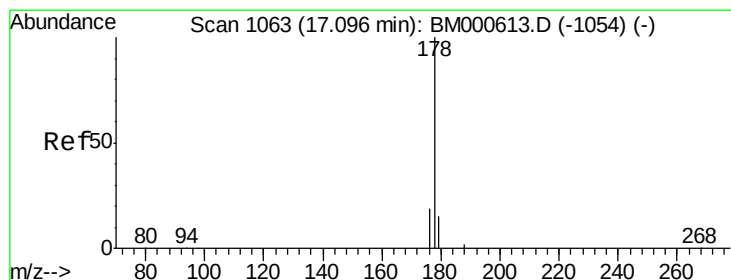
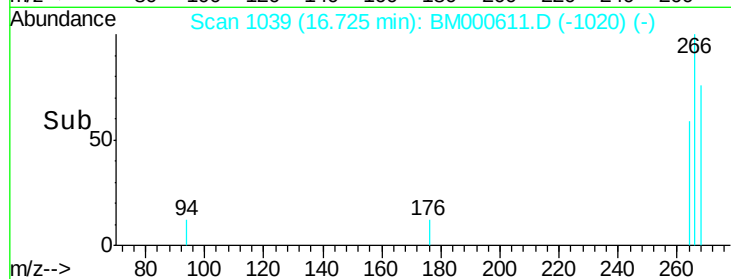
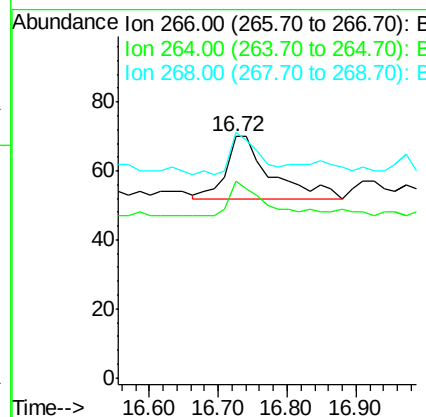
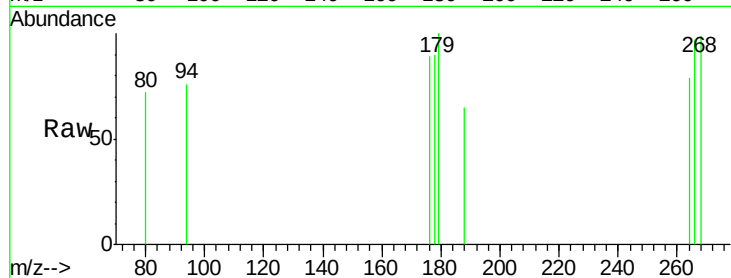




#13
 Pentachlorophenol
 Concen: 0.06 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BM000611.D
 Acq: 27 Feb 2015 17:58

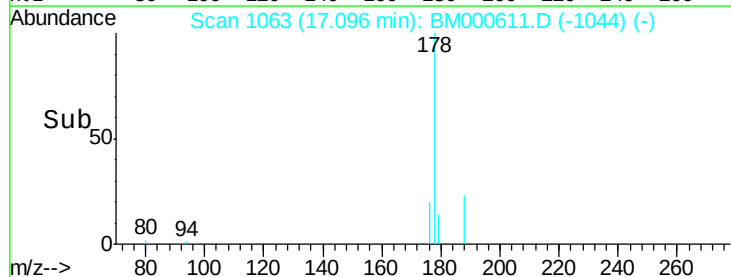
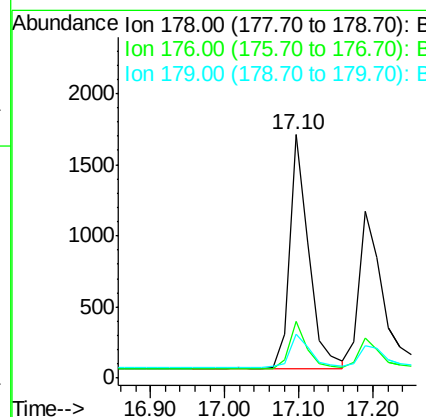
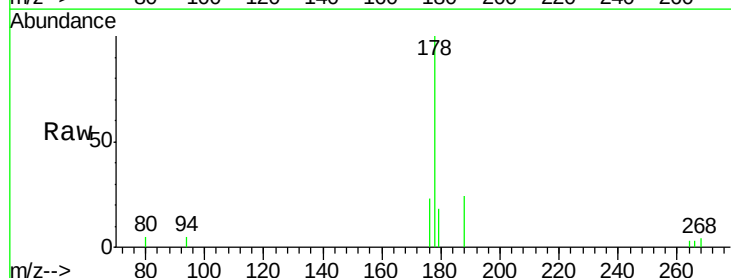
Instrument :
 BNA_M
 LabSampleId :
 SST0.132

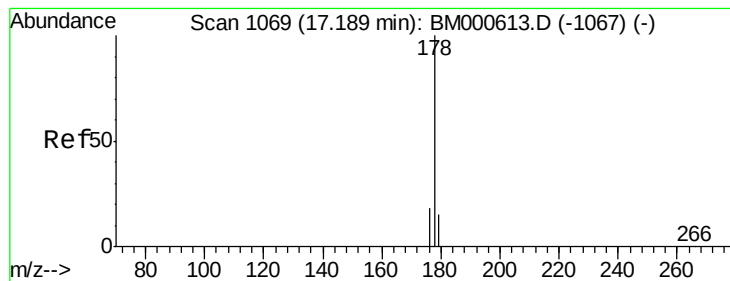
Tgt Ion: 266 Resp: 82
 Ion Ratio Lower Upper
 266 100
 264 42.7 51.0 76.6#
 268 39.0 54.9 82.3#



#14
 Phenanthrene
 Concen: 0.11 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000611.D
 Acq: 27 Feb 2015 17:58

Tgt Ion: 178 Resp: 2930
 Ion Ratio Lower Upper
 178 100
 176 23.4 15.3 22.9#
 179 18.2 12.2 18.2





#15

Anthracene

Concen: 0.11 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

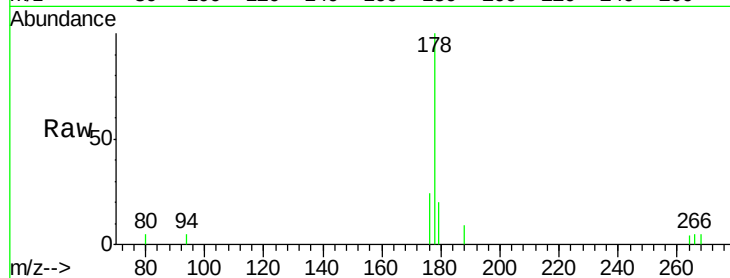
Tgt Ion:178 Resp: 2563

Ion Ratio Lower Upper

178 100

176 23.8 14.6 22.0#

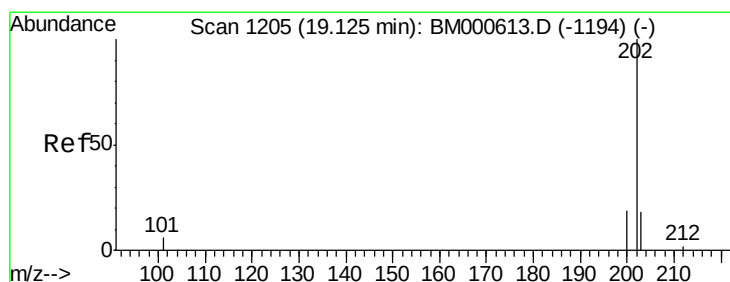
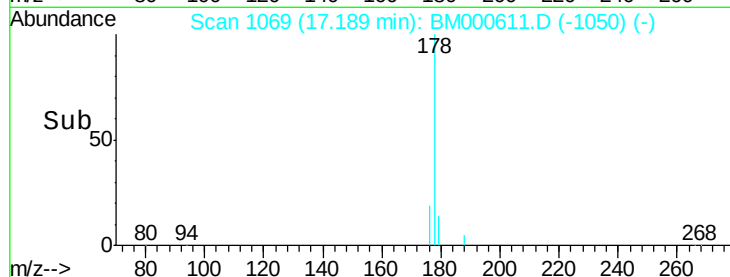
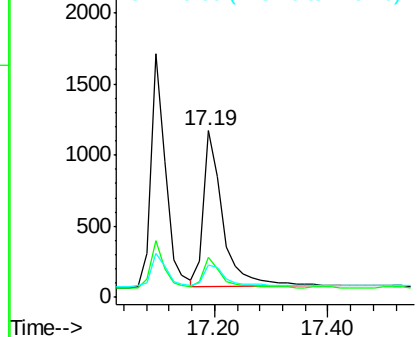
179 19.6 12.9 19.3#



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

Fluoranthene

Concen: 0.11 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

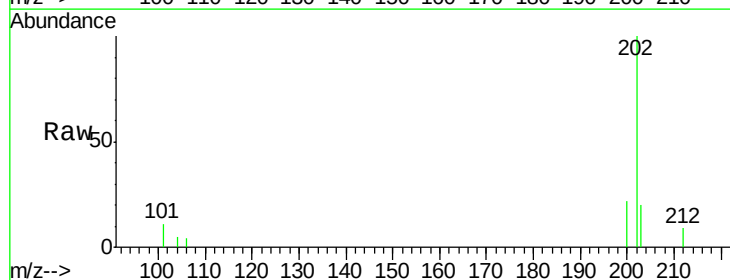
Tgt Ion:202 Resp: 3124

Ion Ratio Lower Upper

202 100

101 10.5 0.0 26.2

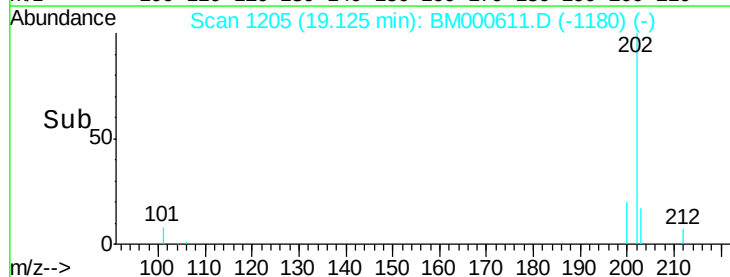
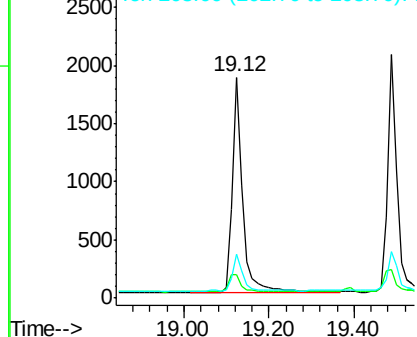
203 19.7 0.0 38.3

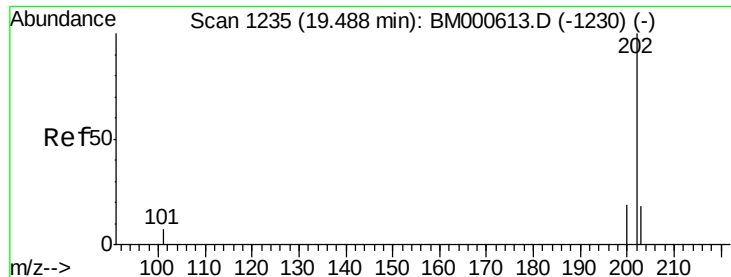


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.10 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

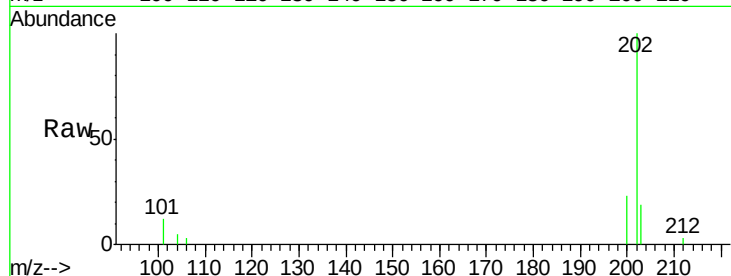
Tgt Ion:202 Resp: 3208

Ion Ratio Lower Upper

202 100

200 22.9 15.7 23.5

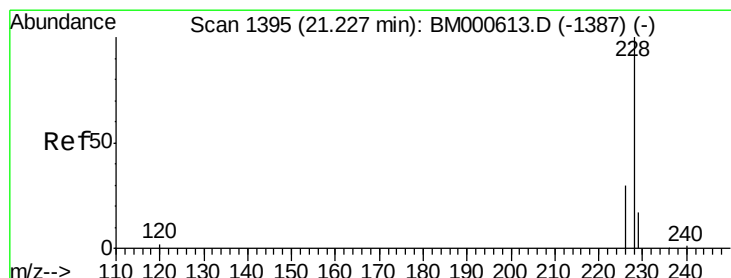
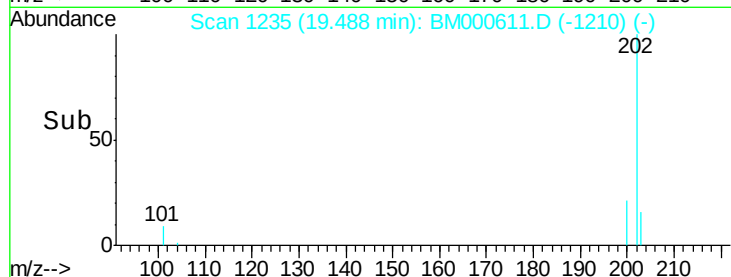
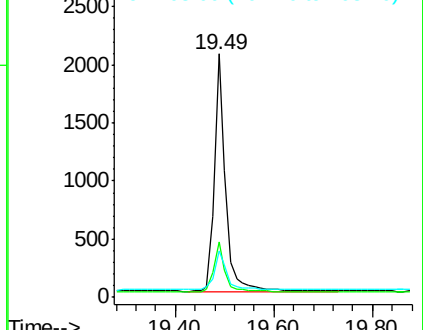
203 19.1 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

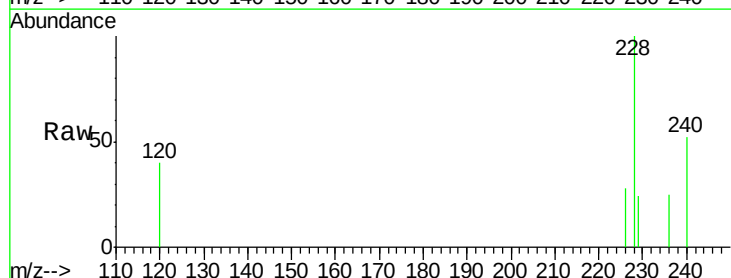
Tgt Ion:228 Resp: 2140

Ion Ratio Lower Upper

228 100

226 28.4 24.1 36.1

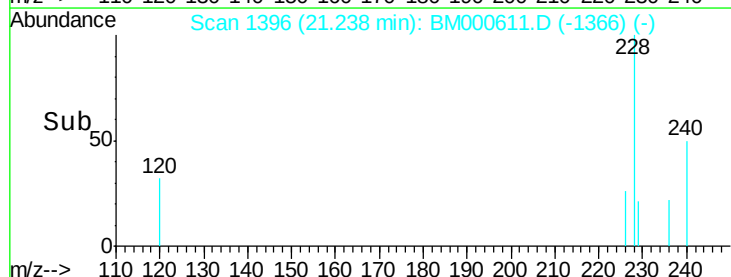
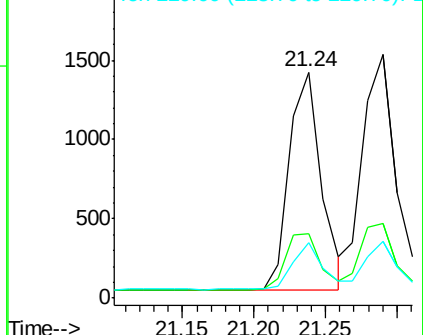
229 24.4 14.2 21.4#

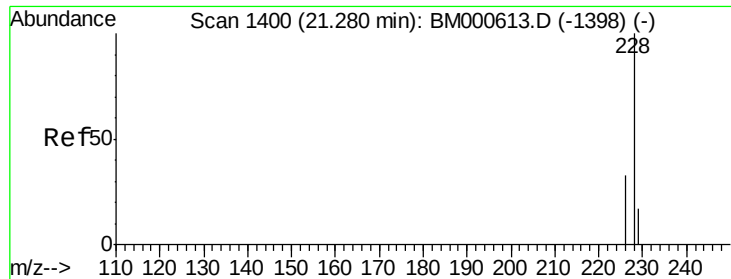


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.11 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

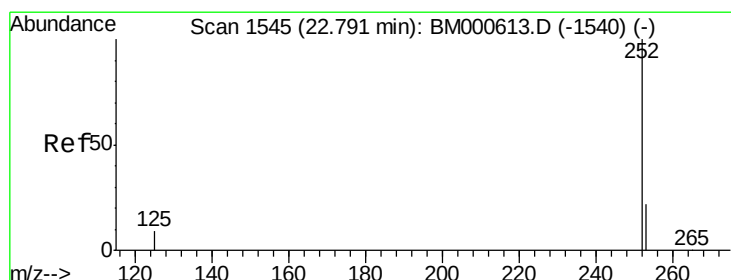
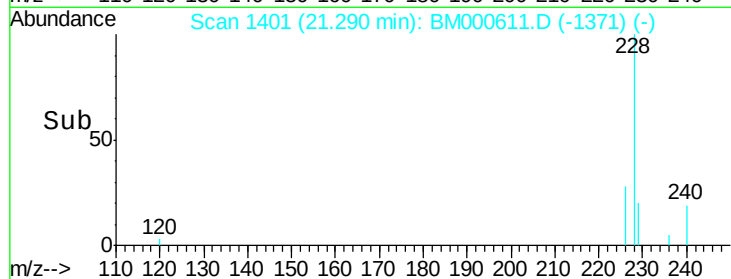
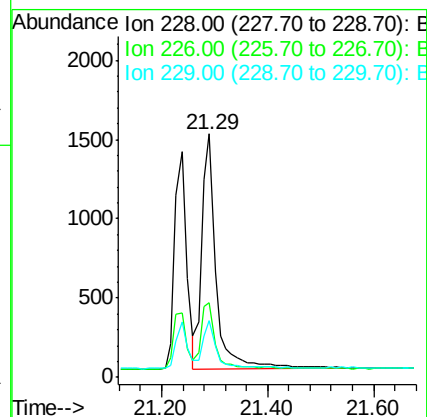
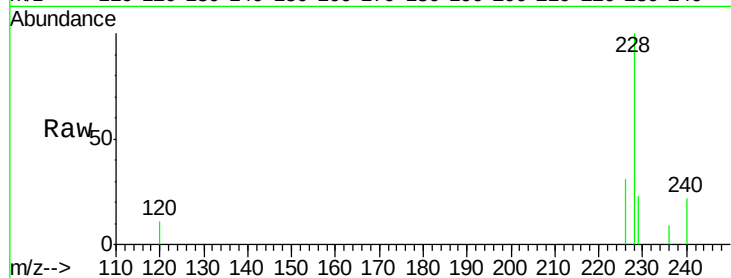
Tgt Ion:228 Resp: 2734

Ion Ratio Lower Upper

228 100

226 30.7 26.5 39.7

229 23.4 14.3 21.5#



#23

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.84 min Scan# 1550

Delta R.T. 0.05 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

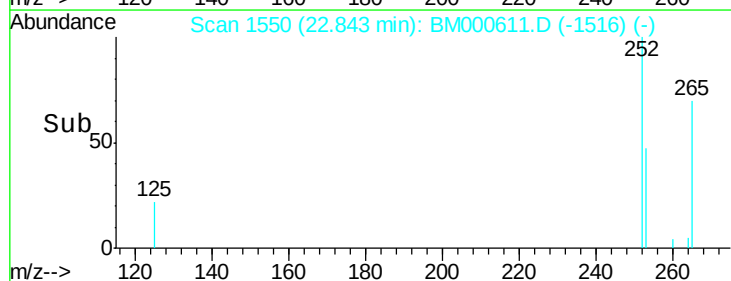
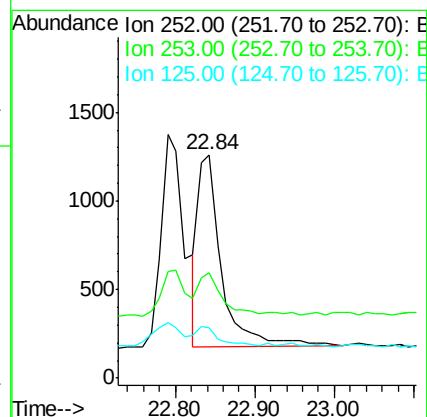
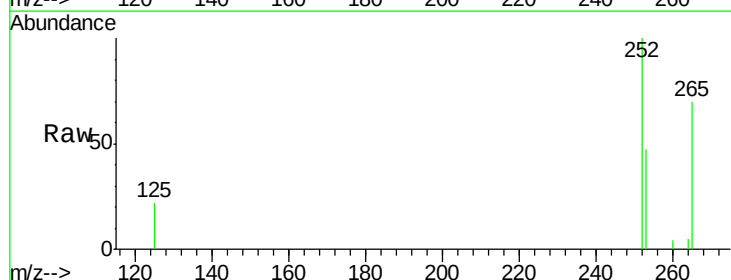
Tgt Ion:252 Resp: 2186

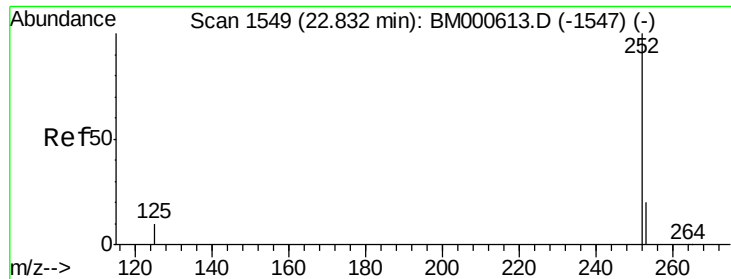
Ion Ratio Lower Upper

252 100

253 47.1 0.0 51.2

125 22.5 0.0 22.8





#24

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.84 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132

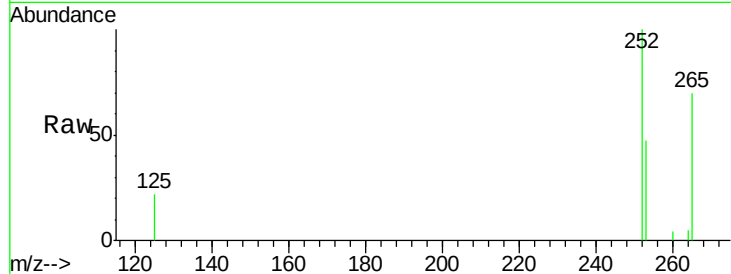
Tgt Ion:252 Resp: 2186

Ion Ratio Lower Upper

252 100

253 47.1 20.2 30.2#

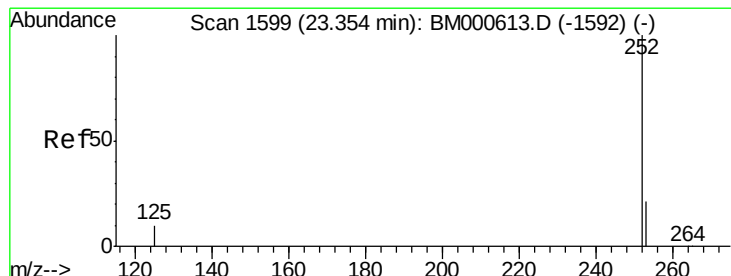
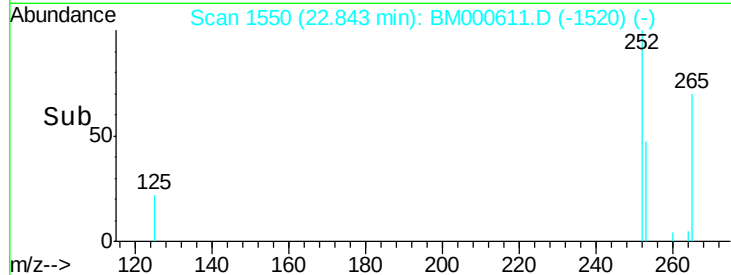
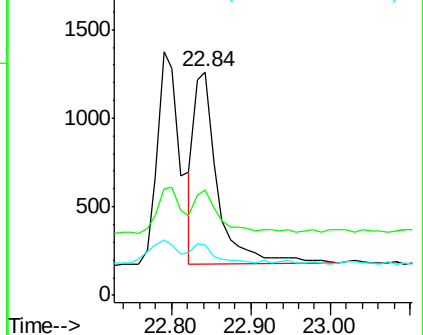
125 22.5 9.6 14.4#



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



#25

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.36 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BM000611.D

Acq: 27 Feb 2015 17:58

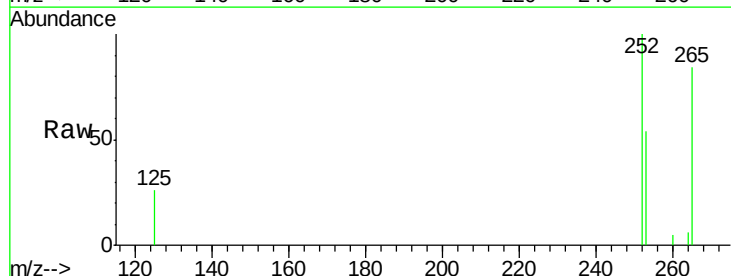
Tgt Ion:252 Resp: 2302

Ion Ratio Lower Upper

252 100

253 53.7 21.3 31.9#

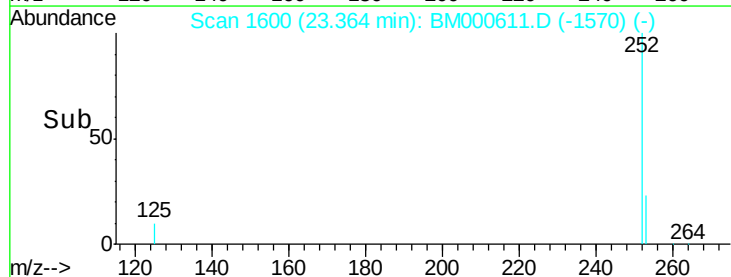
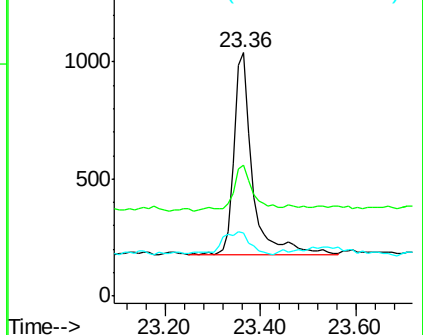
125 25.8 10.6 15.8#

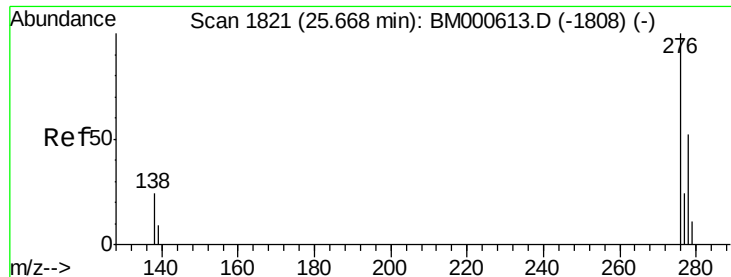


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

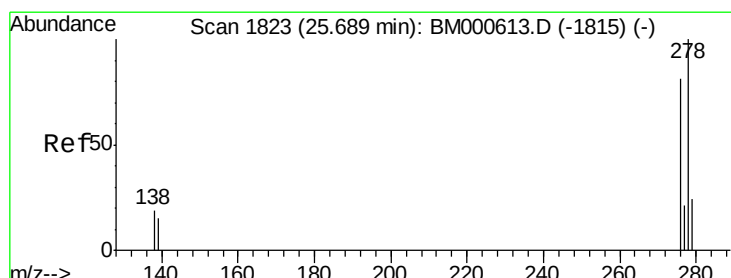
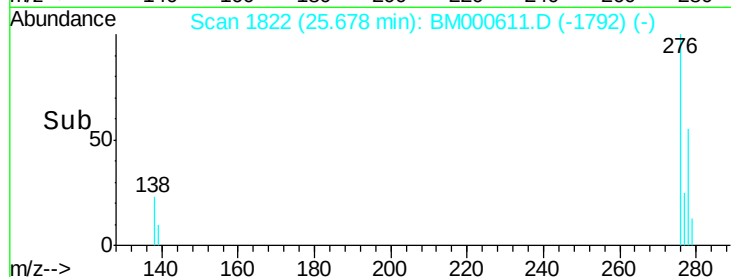
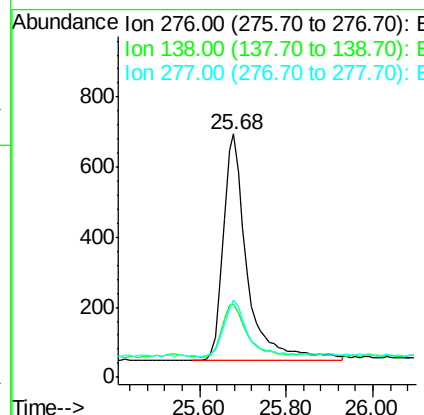
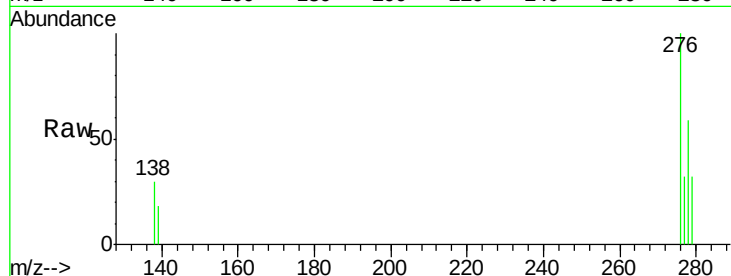




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.11 ng/ul
 RT: 25.68 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BM000611.D
 Acq: 27 Feb 2015 17:58

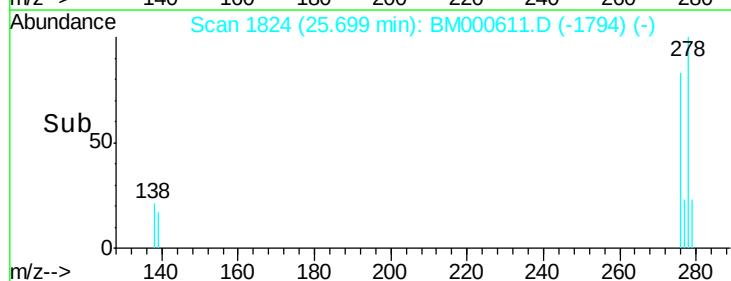
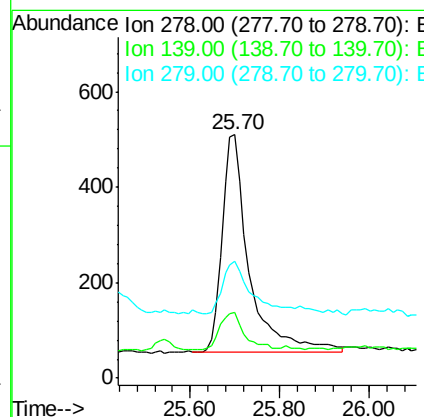
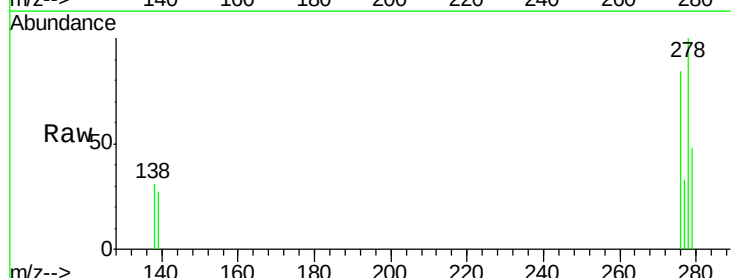
Instrument :
 BNA_M
 LabSampleId :
 SST0.132

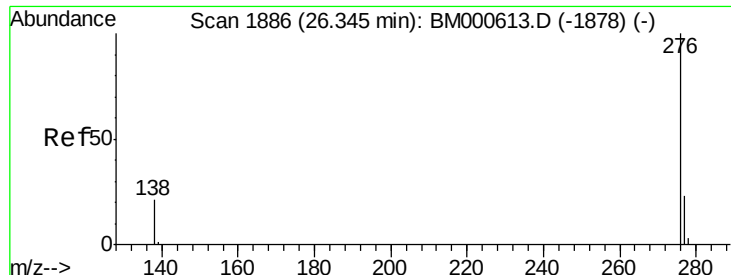
Tgt Ion: 276 Resp: 2436
 Ion Ratio Lower Upper
 276 100
 138 25.7 19.7 29.5
 277 24.8 19.9 29.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.11 ng/ul
 RT: 25.70 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: BM000611.D
 Acq: 27 Feb 2015 17:58

Tgt Ion: 278 Resp: 1892
 Ion Ratio Lower Upper
 278 100
 139 26.9 13.3 19.9#
 279 48.2 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BM000611.D

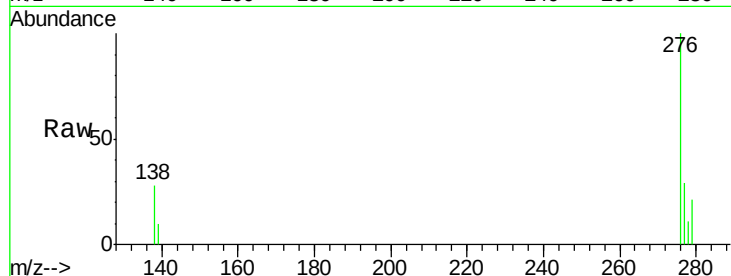
Acq: 27 Feb 2015 17:58

Instrument :

BNA_M

LabSampleId :

SSTD0.132



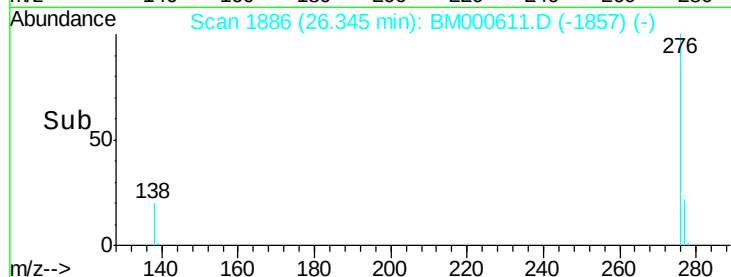
Tgt Ion: 276 Resp: 2163

Ion Ratio Lower Upper

276 100

277 29.1 19.8 29.8

138 27.8 17.8 26.6#



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

