

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000612.D
 Acq On : 27 Feb 2015 18:34
 Operator : TP/IZ
 Sample : SST00.233
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SST00.233

Quant Time: Feb 27 22:50:56 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	2735	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	9389	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.32	164	5782	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	9835	0.40	ng/ul	-0.01
18) Chrysene-d12	21.25	240	7135	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	6140	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	2113	1.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2367	0.21	ng/ul	0.01
16) Fluoranthene-d10	19.09	212	3818	0.22	ng/ul	0.00

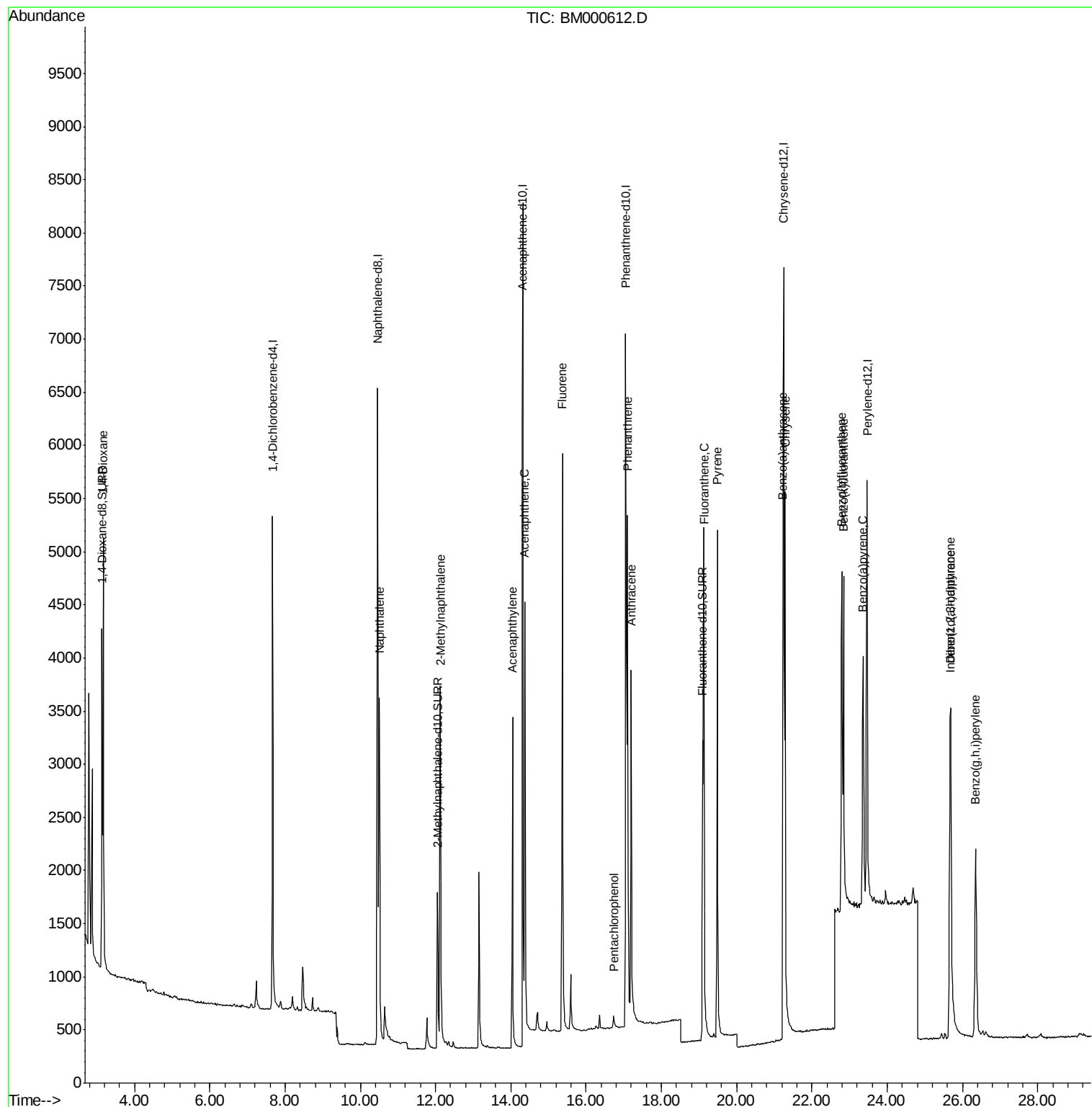
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	3687	1.16	ng/ul#	83
5) Naphthalene	10.50	128	4914	0.21	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	3211	0.21	ng/ul	98
9) Acenaphthylene	14.04	152	4280	0.18	ng/ul#	96
10) Acenaphthene	14.37	153	3451	0.19	ng/ul#	81
11) Fluorene	15.37	166	3884	0.19	ng/ul	96
13) Pentachlorophenol	16.73	266	150	0.12	ng/ul	95
14) Phenanthrene	17.10	178	5772	0.21	ng/ul	97
15) Anthracene	17.19	178	4956	0.20	ng/ul	96
17) Fluoranthene	19.13	202	5944	0.22	ng/ul	95
19) Pyrene	19.49	202	6125	0.20	ng/ul	98
20) Benzo(a)anthracene	21.23	228	4258	0.21	ng/ul	96
21) Chrysene	21.28	228	5108	0.22	ng/ul	96
23) Benzo(b)fluoranthene	22.80	252	4520	0.21	ng/ul	86
24) Benzo(k)fluoranthene	22.84	252	4458	0.21	ng/ul#	87
25) Benzo(a)pyrene	23.36	252	4144	0.21	ng/ul#	81
26) Indeno(1,2,3-cd)pyrene	25.67	276	4648	0.21	ng/ul	98
27) Dibenzo(a,h)anthracene	25.68	278	3687	0.22	ng/ul#	85
28) Benzo(g,h,i)perylene	26.35	276	4169	0.22	ng/ul	96

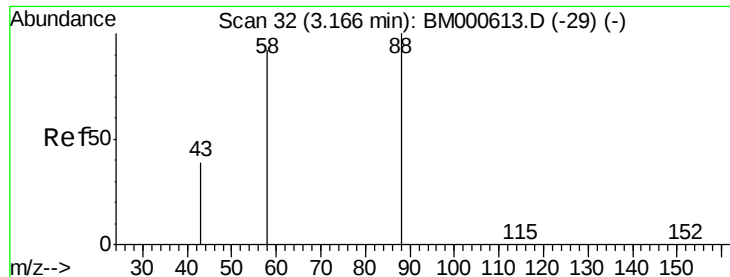
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.16 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

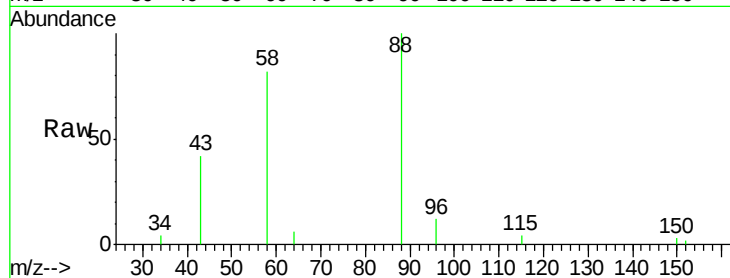
Tgt Ion: 88 Resp: 3687

Ion Ratio Lower Upper

88 100

58 61.4 62.7 94.1#

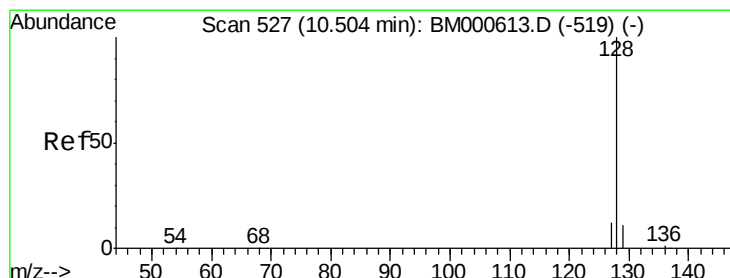
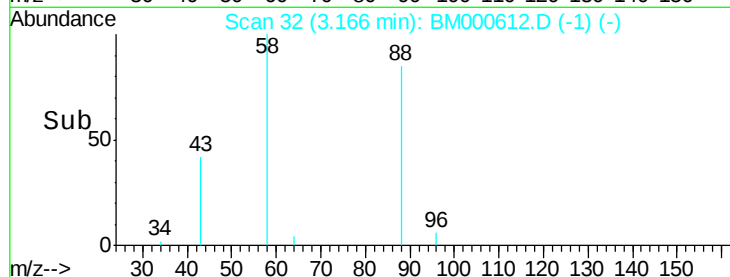
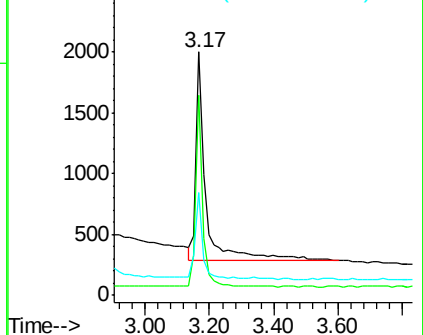
43 29.6 28.8 43.2



Abundance Ion 88.00 (87.70 to 88.70): BM000613.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000613.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000613.D (-29) (-)



#5

Naphthalene

Concen: 0.21 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

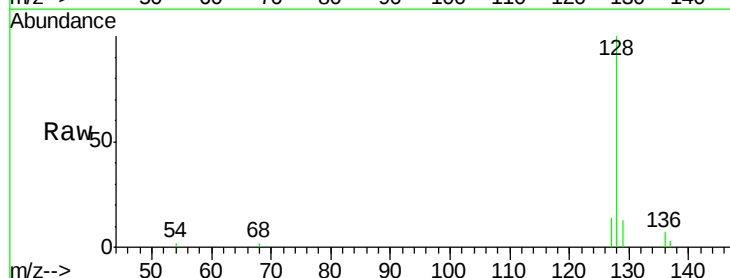
Tgt Ion: 128 Resp: 4914

Ion Ratio Lower Upper

128 100

129 12.8 9.4 14.0

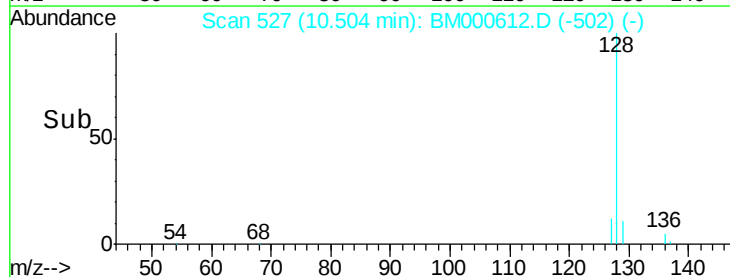
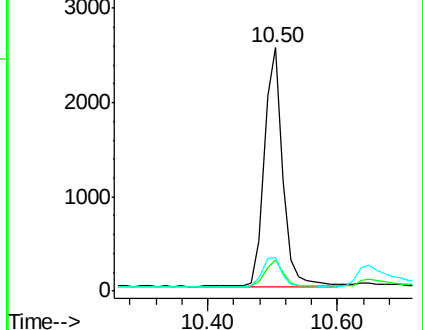
127 13.7 10.0 15.0

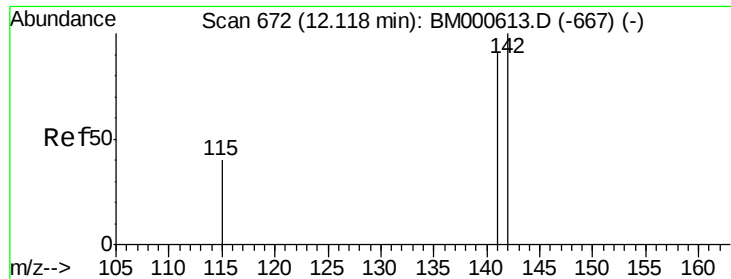


Abundance Ion 128.00 (127.70 to 128.70): BM000613.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000613.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000613.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.13 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

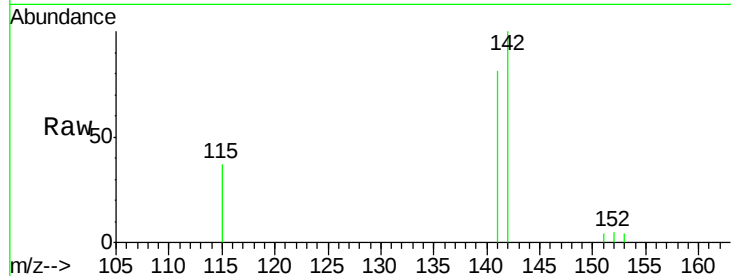
SSTD0.233

Tgt Ion:142 Resp: 3211

Ion Ratio Lower Upper

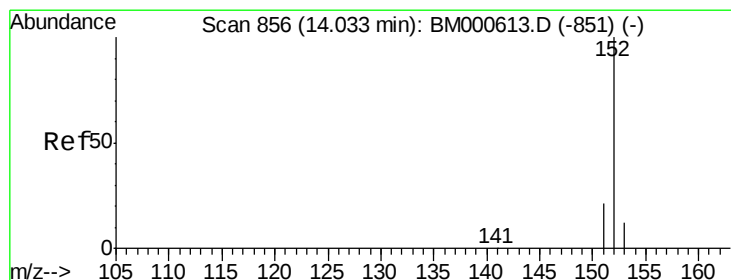
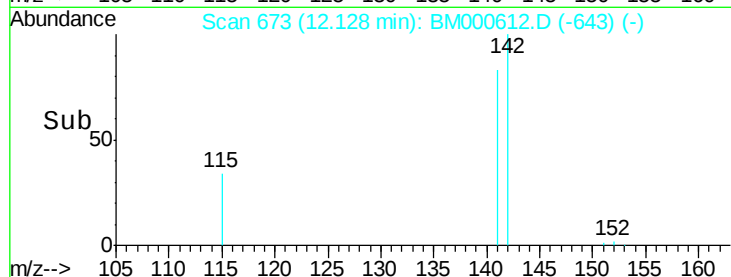
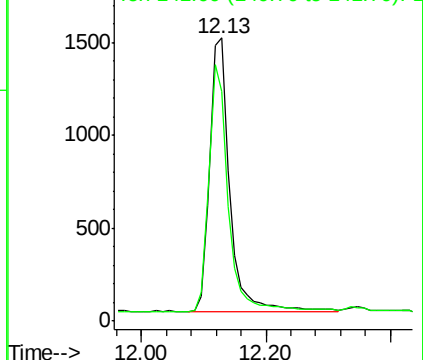
142 100

141 87.5 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

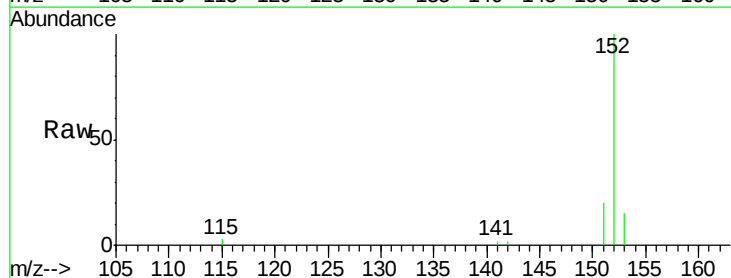
Tgt Ion:152 Resp: 4280

Ion Ratio Lower Upper

152 100

151 20.1 17.0 25.6

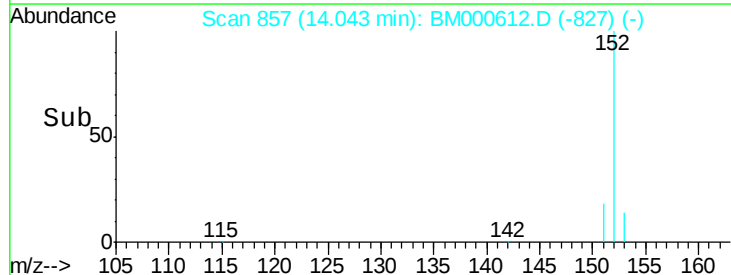
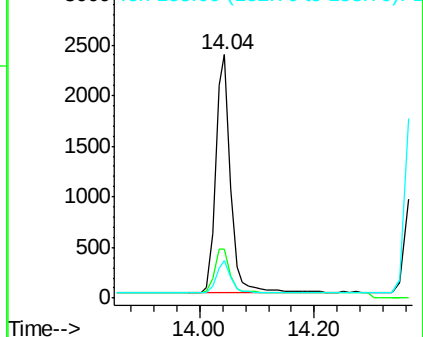
153 15.4 9.9 14.9#

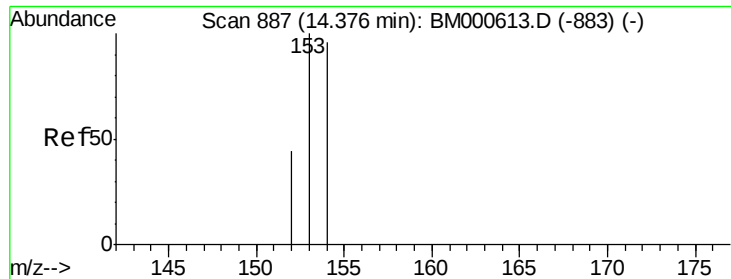


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.19 ng/ul

RT: 14.37 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

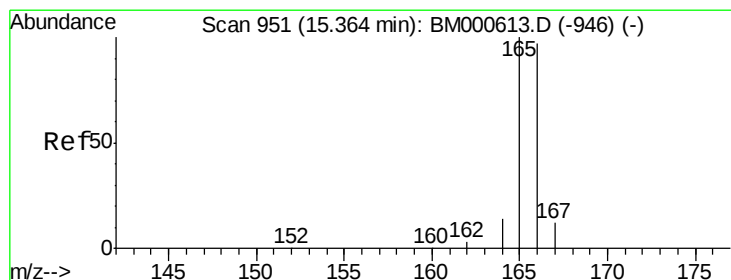
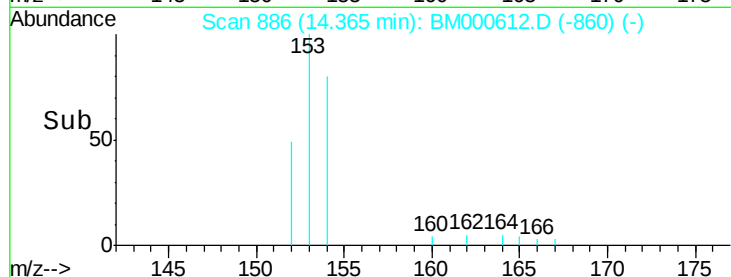
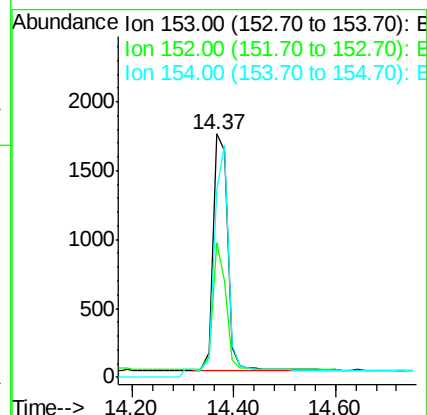
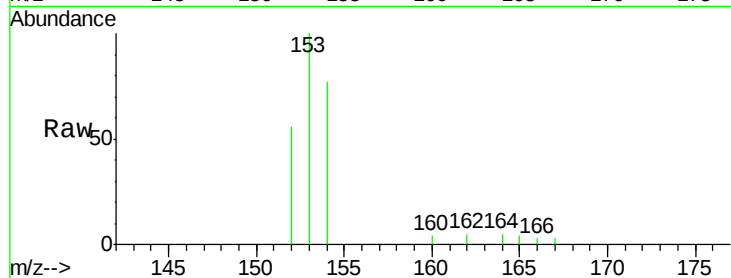
Tgt Ion:153 Resp: 3451

Ion Ratio Lower Upper

153 100

152 55.5 35.9 53.9#

154 76.7 76.9 115.3#



#11

Fluorene

Concen: 0.19 ng/ul

RT: 15.37 min Scan# 951

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

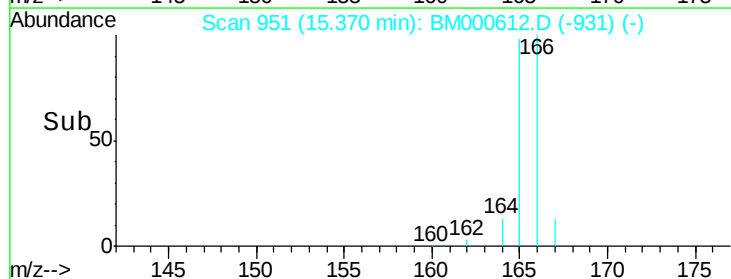
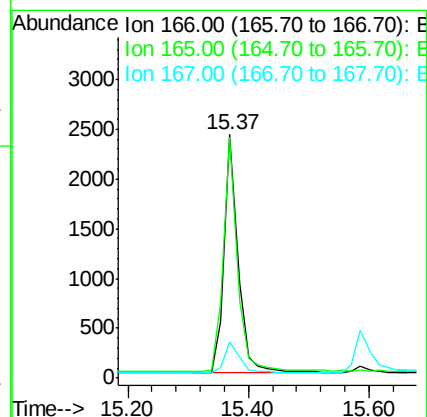
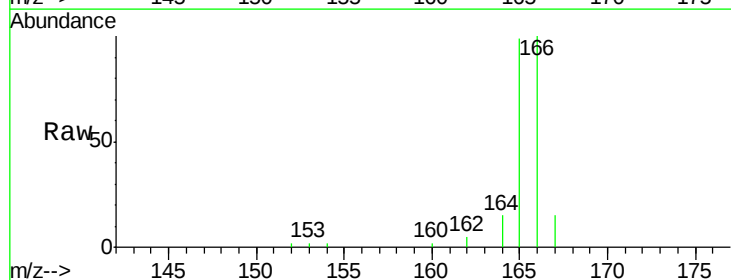
Tgt Ion:166 Resp: 3884

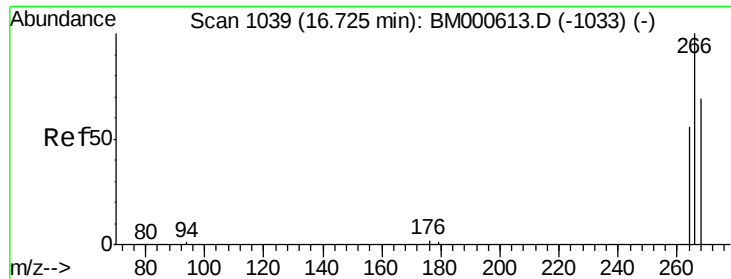
Ion Ratio Lower Upper

166 100

165 99.0 82.5 123.7

167 15.0 10.6 16.0

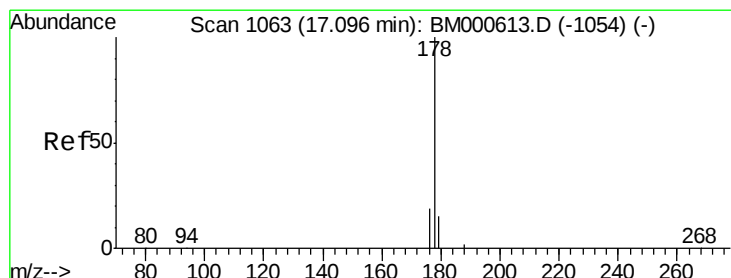
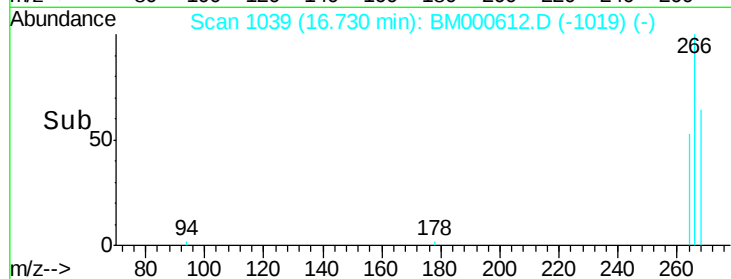
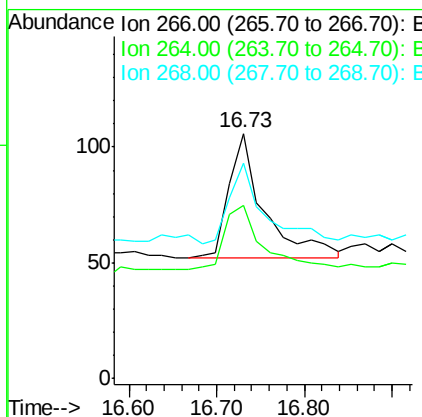
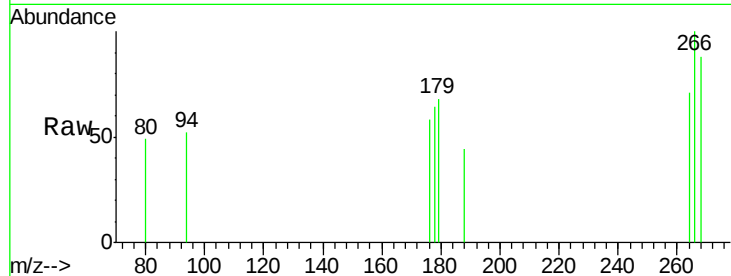




#13
 Pentachlorophenol
 Concen: 0.12 ng/ul
 RT: 16.73 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BM000612.D
 Acq: 27 Feb 2015 18:34

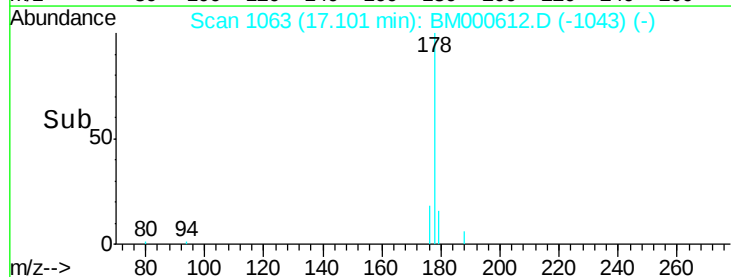
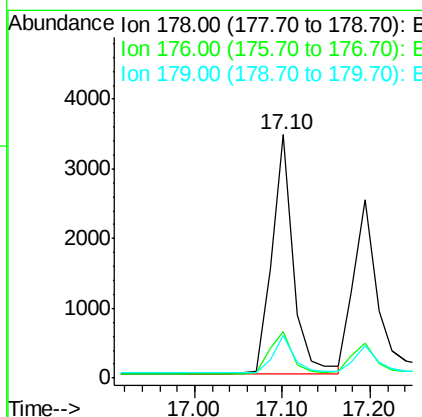
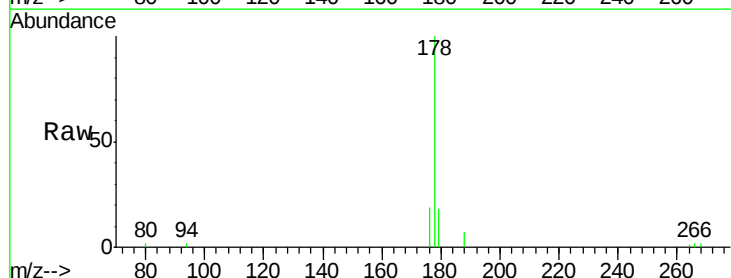
Instrument :
 BNA_M
 LabSampleId :
 SST0.233

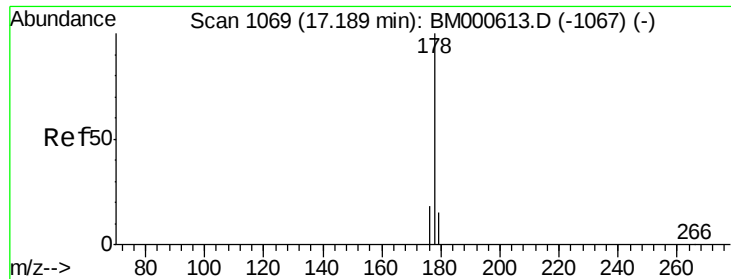
Tgt Ion: 266 Resp: 150
 Ion Ratio Lower Upper
 266 100
 264 57.3 51.0 76.6
 268 67.3 54.9 82.3



#14
 Phenanthrene
 Concen: 0.21 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: BM000612.D
 Acq: 27 Feb 2015 18:34

Tgt Ion: 178 Resp: 5772
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 17.7 12.2 18.2





#15

Anthracene

Concen: 0.20 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

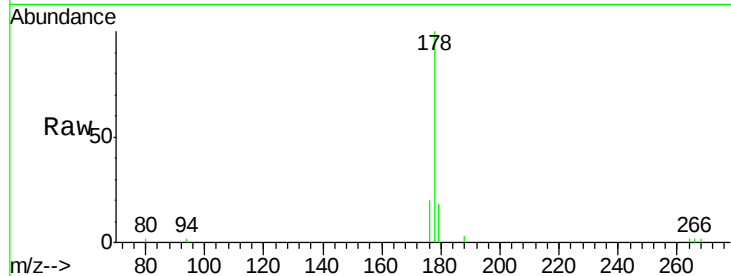
Tgt Ion:178 Resp: 4956

Ion Ratio Lower Upper

178 100

176 19.6 14.6 22.0

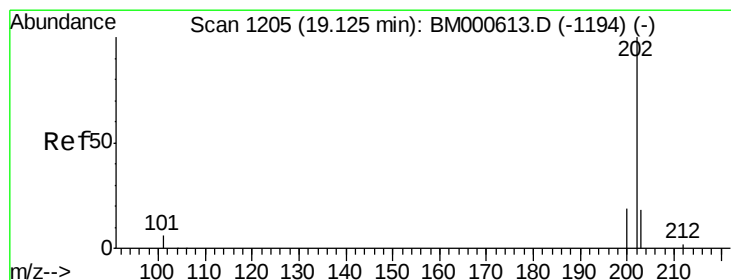
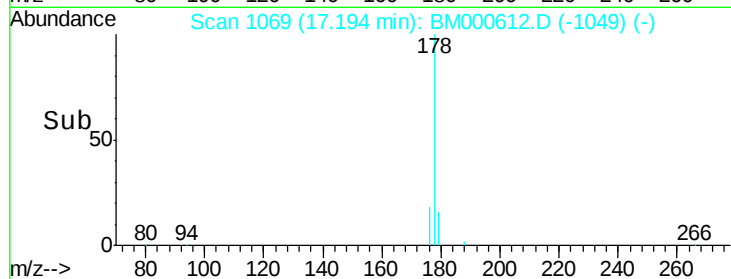
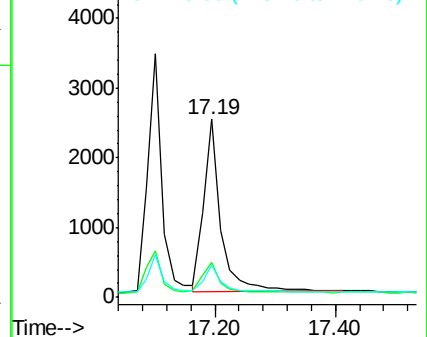
179 18.0 12.9 19.3



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: 0.22 ng/ul

RT: 19.13 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

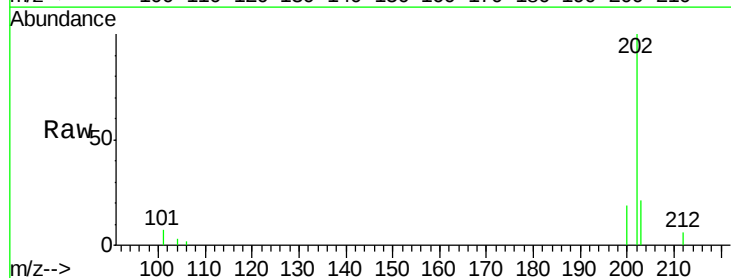
Tgt Ion:202 Resp: 5944

Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.2

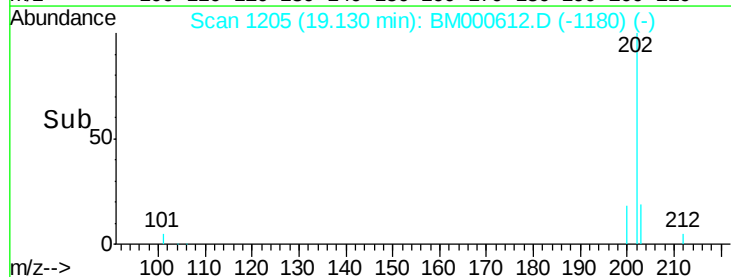
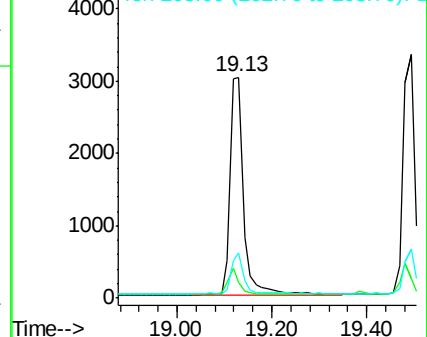
203 20.7 0.0 38.3

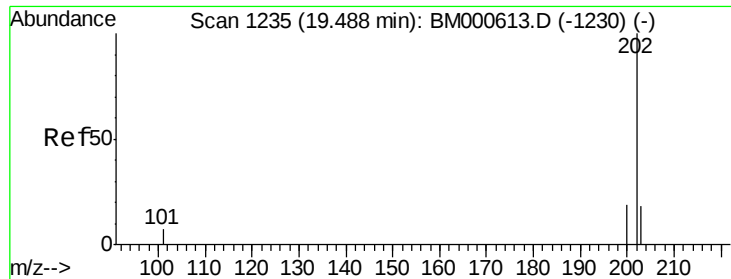


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.20 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

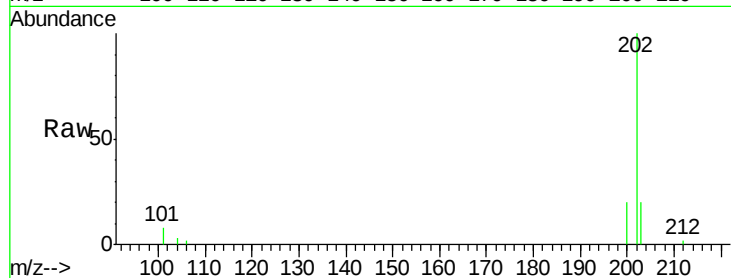
Tgt Ion:202 Resp: 6125

Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

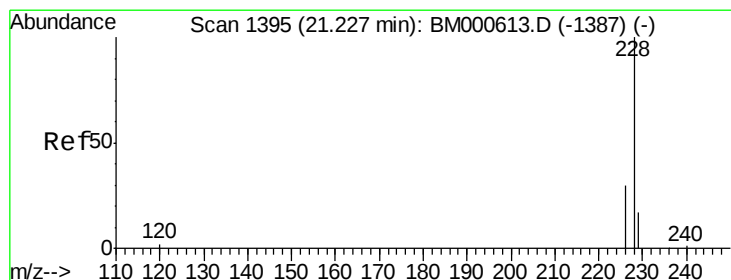
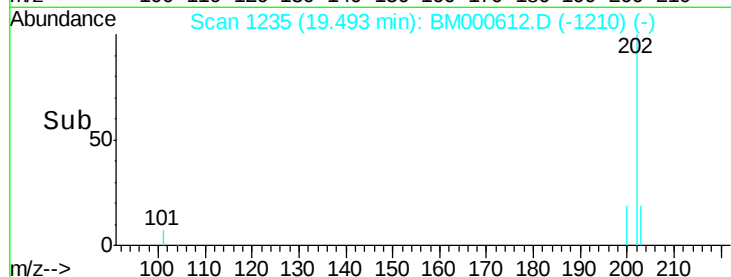
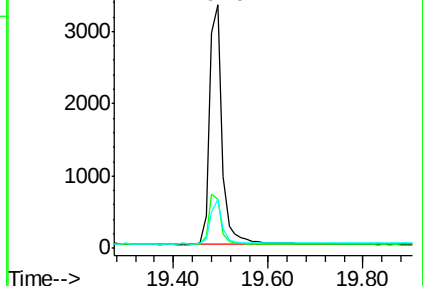
203 20.3 14.8 22.2



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: 0.21 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

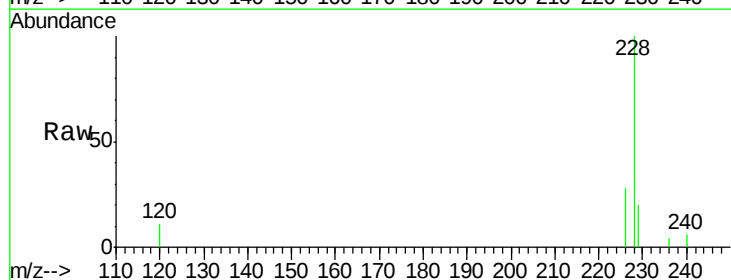
Tgt Ion:228 Resp: 4258

Ion Ratio Lower Upper

228 100

226 27.9 24.1 36.1

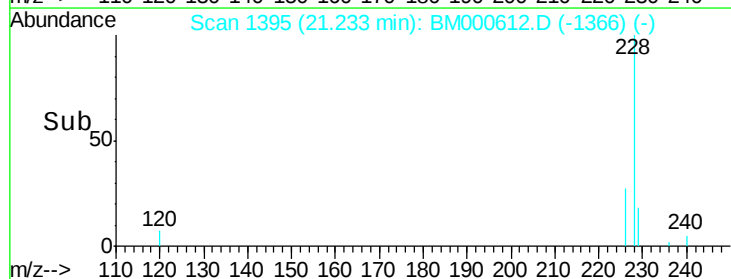
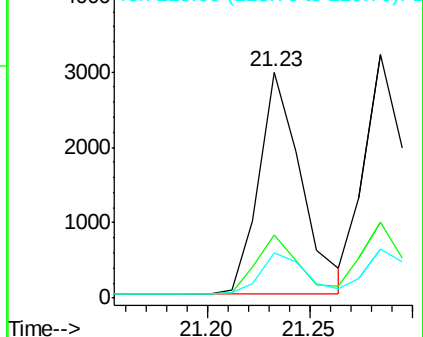
229 19.9 14.2 21.4

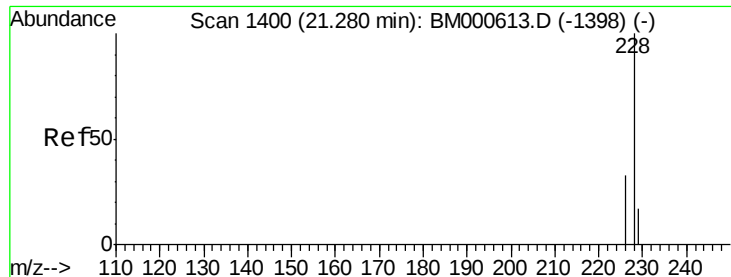


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.22 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

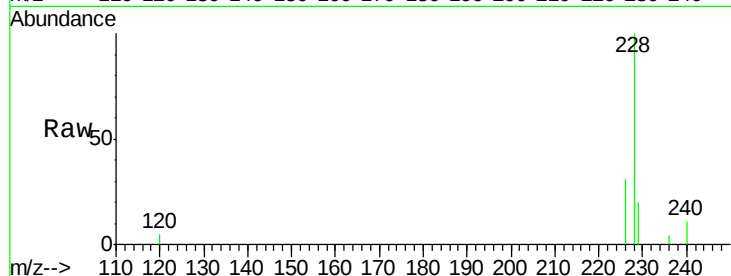
Tgt Ion:228 Resp: 5108

Ion Ratio Lower Upper

228 100

226 31.3 26.5 39.7

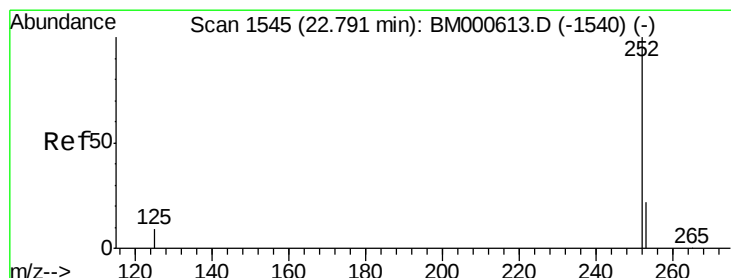
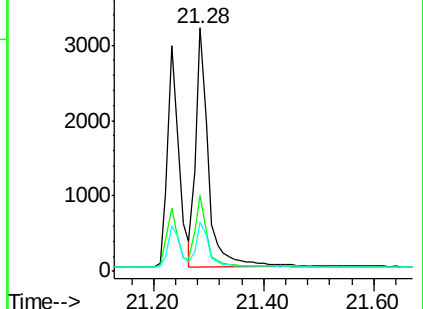
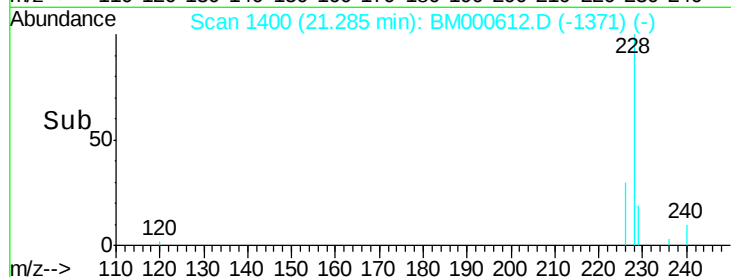
229 20.0 14.3 21.5



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

Benzo(b)fluoranthene

Concen: 0.21 ng/ul

RT: 22.80 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

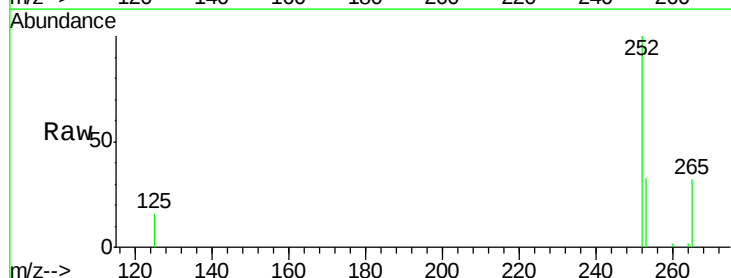
Tgt Ion:252 Resp: 4520

Ion Ratio Lower Upper

252 100

253 32.9 0.0 51.2

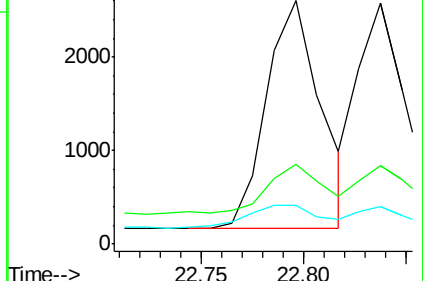
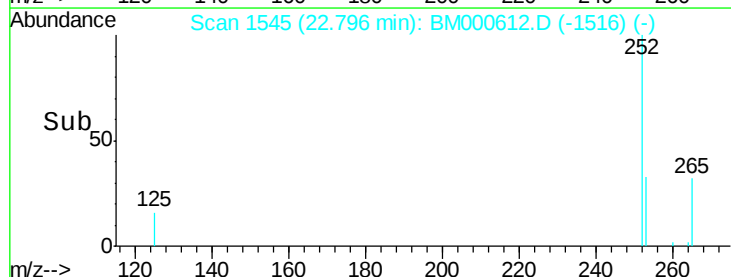
125 15.9 0.0 22.8

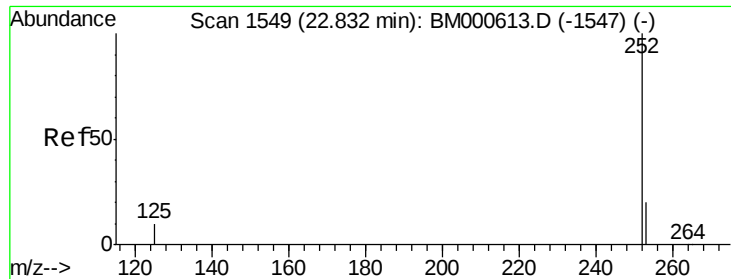


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.21 ng/ul

RT: 22.84 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

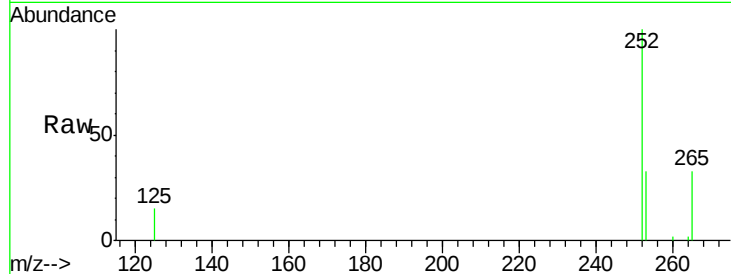
Tgt Ion:252 Resp: 4458

Ion Ratio Lower Upper

252 100

253 32.8 20.2 30.2#

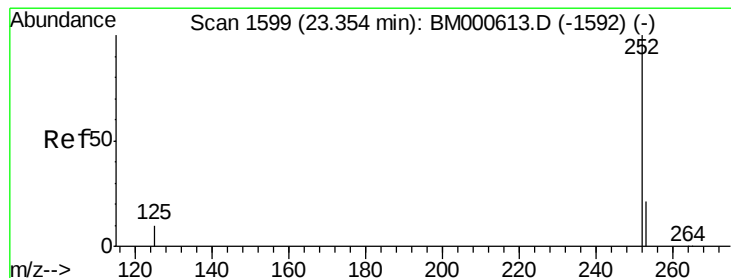
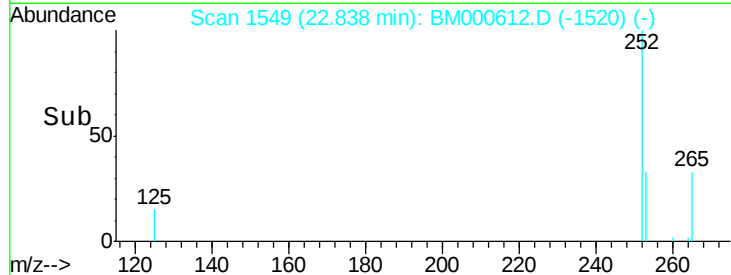
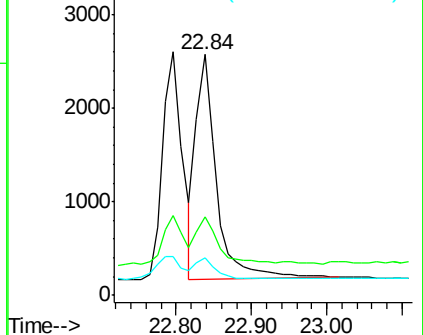
125 15.4 9.6 14.4#



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: 0.21 ng/ul

RT: 23.36 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

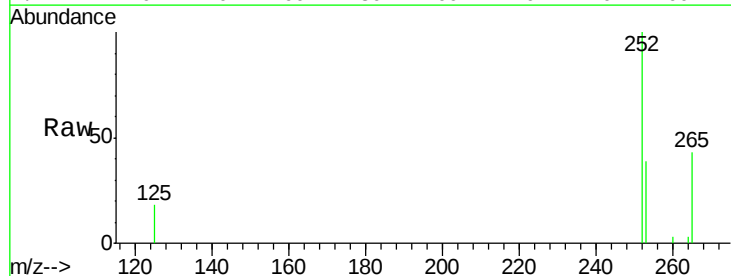
Tgt Ion:252 Resp: 4144

Ion Ratio Lower Upper

252 100

253 38.6 21.3 31.9#

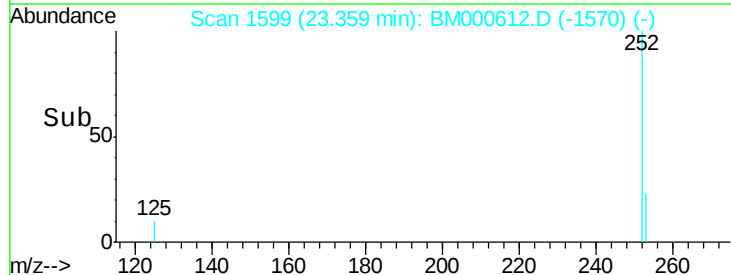
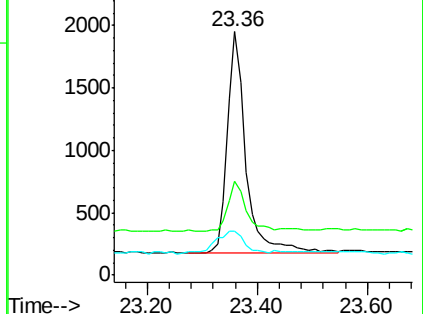
125 17.9 10.6 15.8#

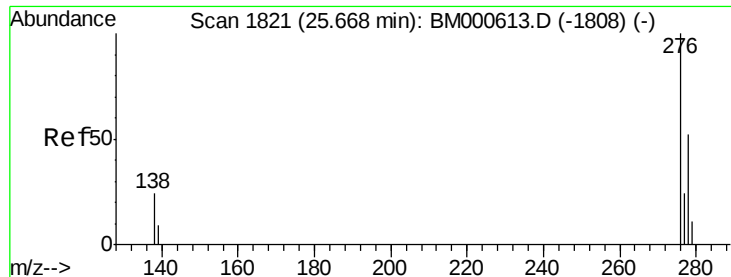


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.21 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. 0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233

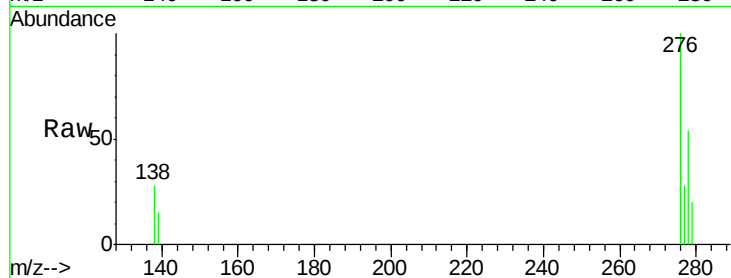
Tgt Ion:276 Resp: 4648

Ion Ratio Lower Upper

276 100

138 25.7 19.7 29.5

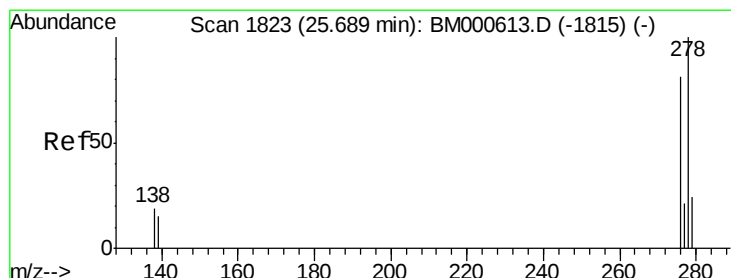
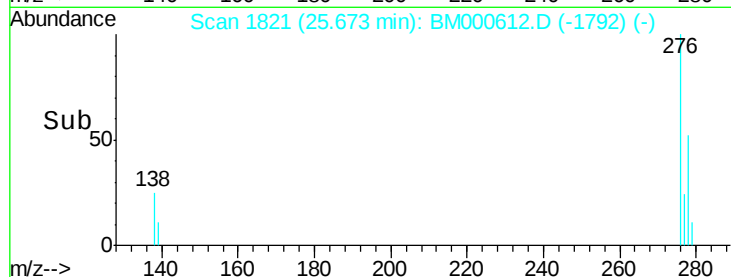
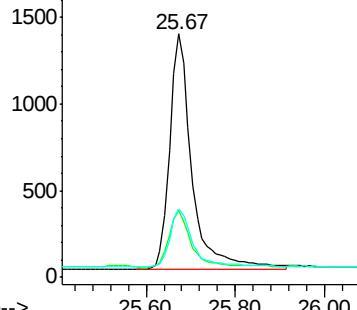
277 25.5 19.9 29.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.22 ng/ul

RT: 25.68 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BM000612.D

Acq: 27 Feb 2015 18:34

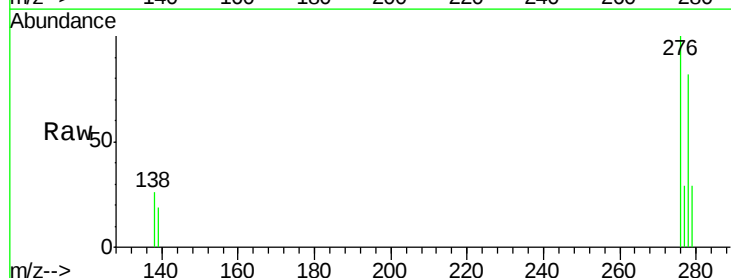
Tgt Ion:278 Resp: 3687

Ion Ratio Lower Upper

278 100

139 22.6 13.3 19.9#

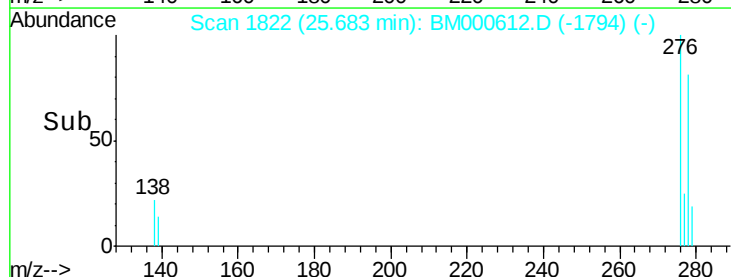
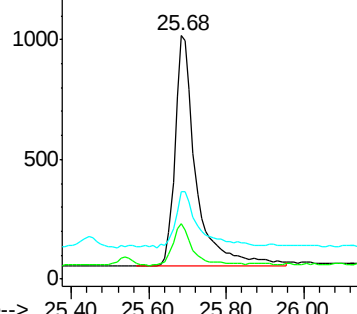
279 35.8 21.9 32.9#

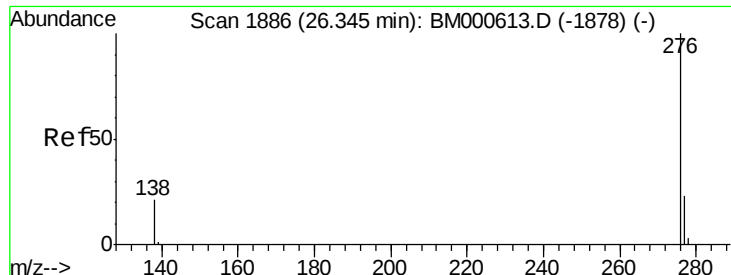


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.22 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BM000612.D

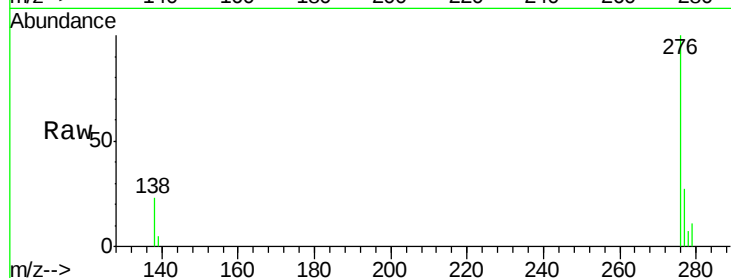
Acq: 27 Feb 2015 18:34

Instrument :

BNA_M

LabSampleId :

SSTD0.233



Tgt Ion: 276 Resp: 4169

Ion Ratio Lower Upper

276 100

277 27.2 19.8 29.8

138 23.5 17.8 26.6

