

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031115\
 Data File : BM000700.D
 Acq On : 11 Mar 2015 21:42
 Operator : TP/IZ
 Sample : SSTD0.874
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.874

Quant Time: Mar 12 07:53:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 12 07:43:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3545	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	11709	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	2790	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	11147	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	9624	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	8924	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	11592	0.81	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	19224	0.82	ng/ul	0.00

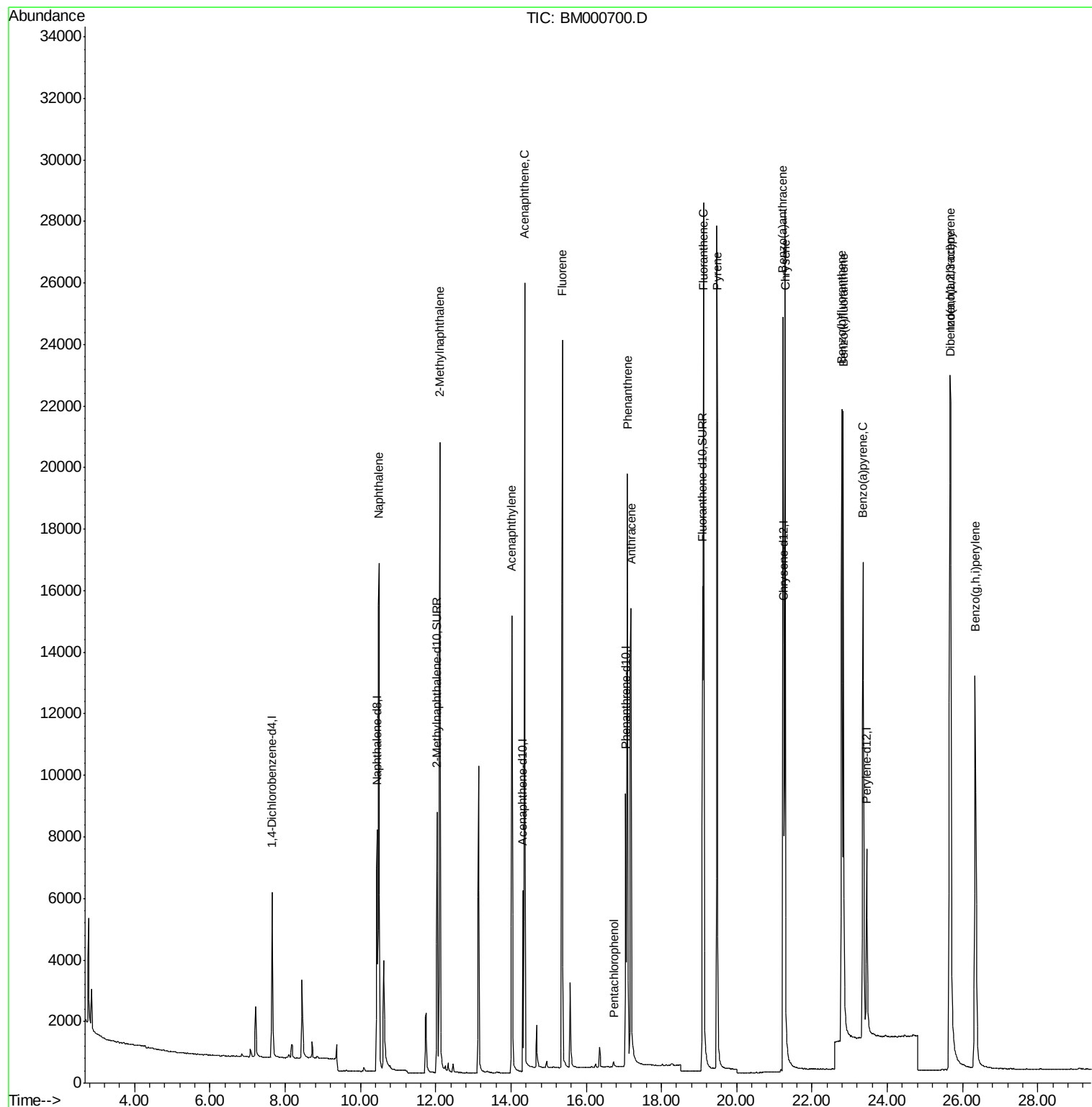
Target Compounds				Qvalue		
3) Naphthalene	10.49	128	25480	0.84	ng/ul	99
5) 2-Methylnaphthalene	12.11	142	16124	0.84	ng/ul	99
7) Acenaphthylene	14.02	152	20492	0.94	ng/ul	95
8) Acenaphthene	14.36	153	15266	0.91	ng/ul	98
9) Fluorene	15.36	166	18096	0.94	ng/ul	99
11) Pentachlorophenol	16.72	266	264	0.38	ng/ul#	71
12) Phenanthrene	17.10	178	26729	0.82	ng/ul	100
13) Anthracene	17.19	178	24396	0.83	ng/ul	99
15) Fluoranthene	19.11	202	29571	0.82	ng/ul	98
17) Pyrene	19.48	202	30001	0.79	ng/ul	98
18) Benzo(a)anthracene	21.23	228	23848	0.83	ng/ul	99
19) Chrysene	21.28	228	28240	0.80	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	26604	0.84	ng/ul	96
22) Benzo(k)fluoranthene	22.83	252	27083	0.78	ng/ul	96
23) Benzo(a)pyrene	23.35	252	24938	0.81	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.67	276	29837	0.84	ng/ul	99
25) Dibenzo(a,h)anthracene	25.68	278	24204	0.85	ng/ul	96
26) Benzo(g,h,i)perylene	26.34	276	26724	0.85	ng/ul	98

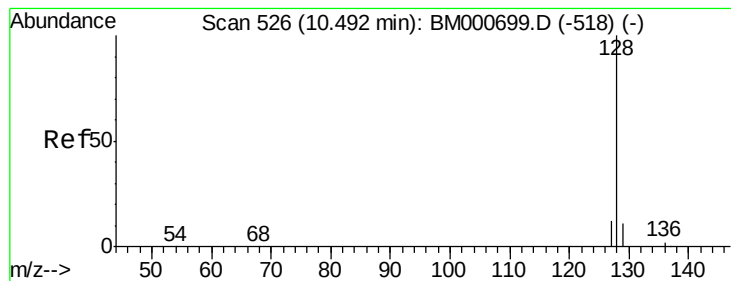
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 12 07:53:52 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 12 07:43:01 2015
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#3

Naphthalene

Concen: 0.84 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

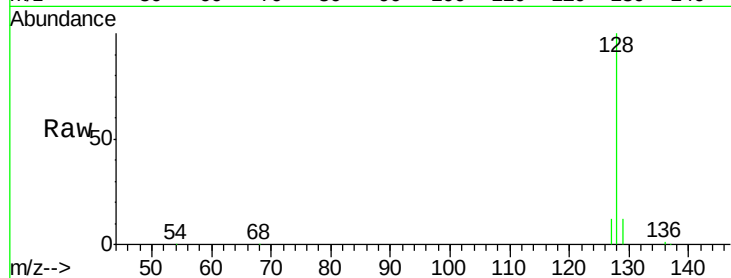
Tgt Ion:128 Resp: 25480

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

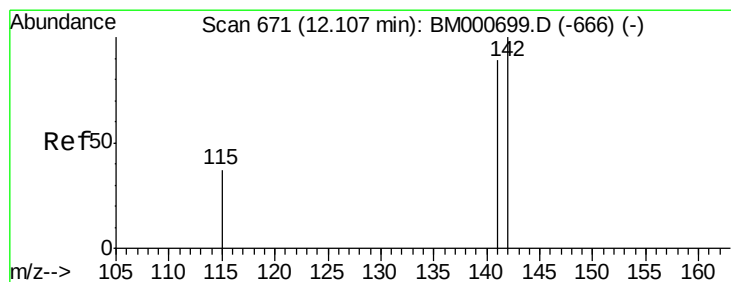
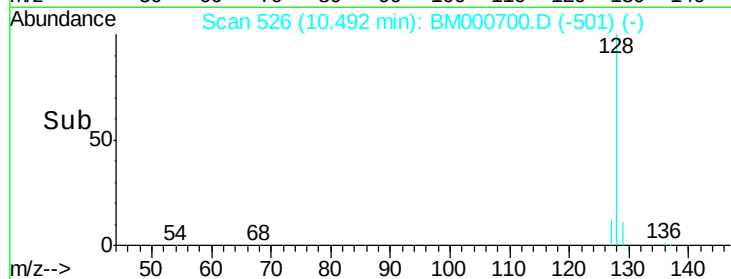
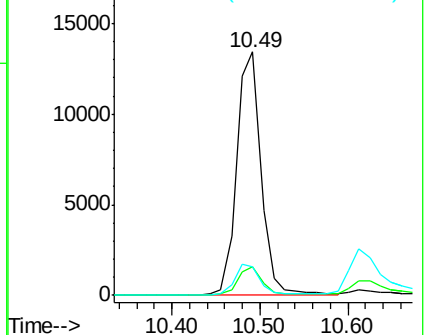
127 11.9 10.0 15.0



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



#5

2-Methylnaphthalene

Concen: 0.84 ng/ul

RT: 12.11 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM000700.D

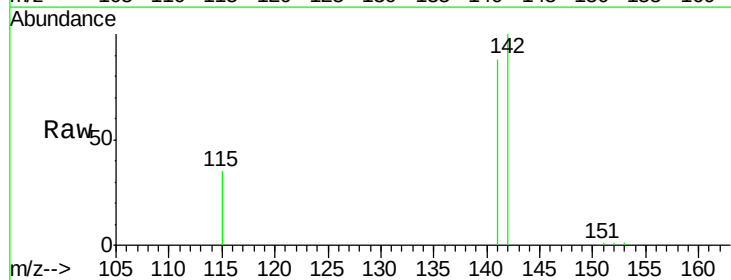
Acq: 11 Mar 2015 21:42

Tgt Ion:142 Resp: 16124

Ion Ratio Lower Upper

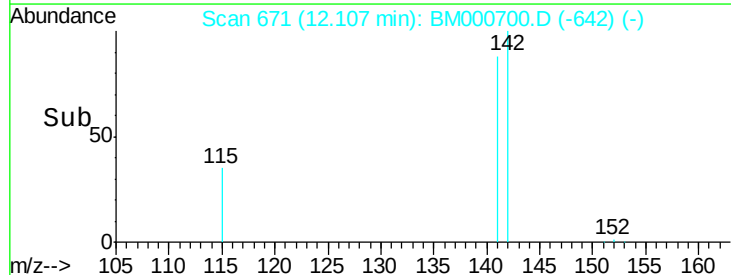
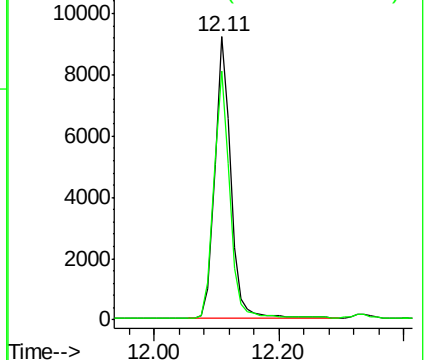
142 100

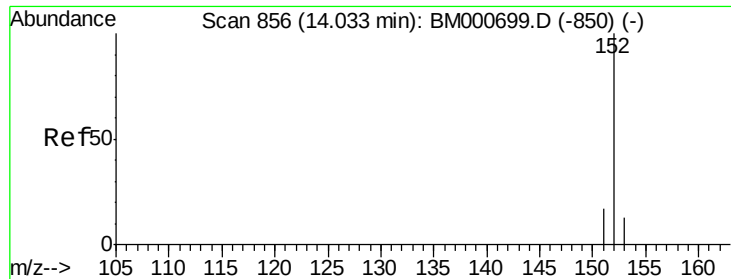
141 88.1 69.5 104.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.94 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

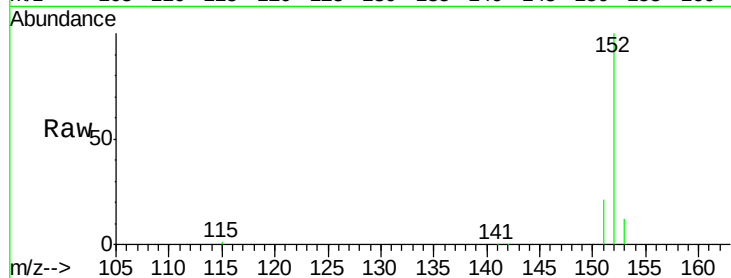
Tgt Ion:152 Resp: 20492

Ion Ratio Lower Upper

152 100

151 20.8 14.5 21.7

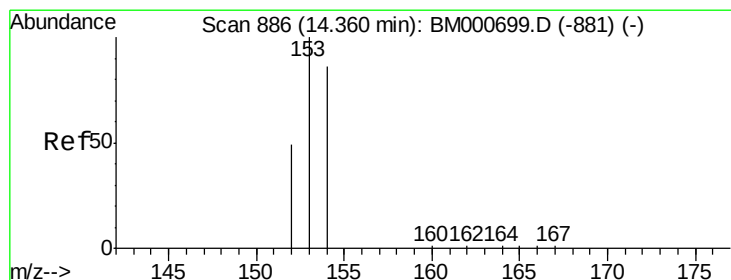
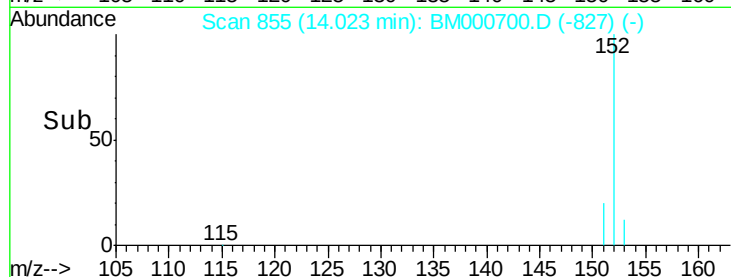
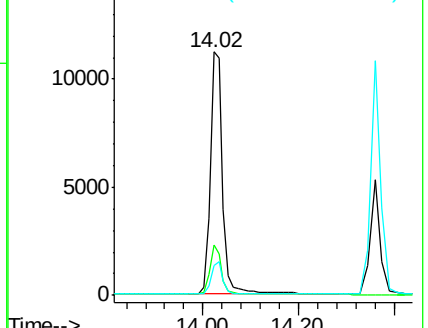
153 12.4 11.3 16.9



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



#8

Acenaphthene

Concen: 0.91 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

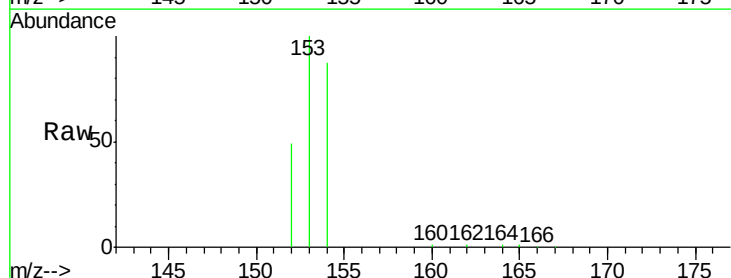
Tgt Ion:153 Resp: 15266

Ion Ratio Lower Upper

153 100

152 49.0 40.2 60.2

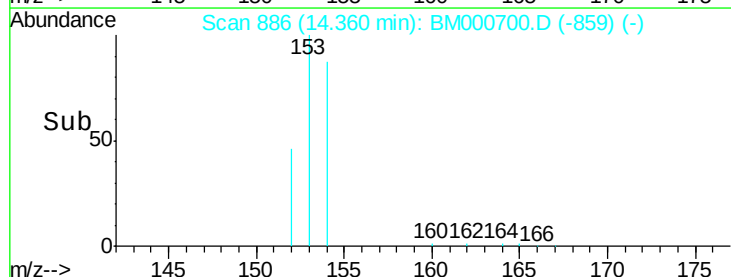
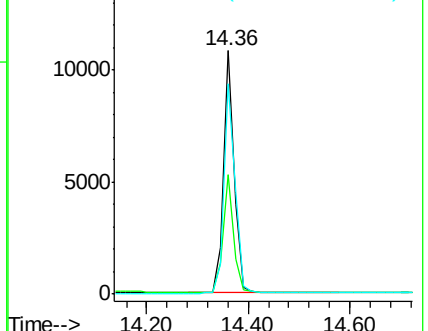
154 86.5 68.2 102.2

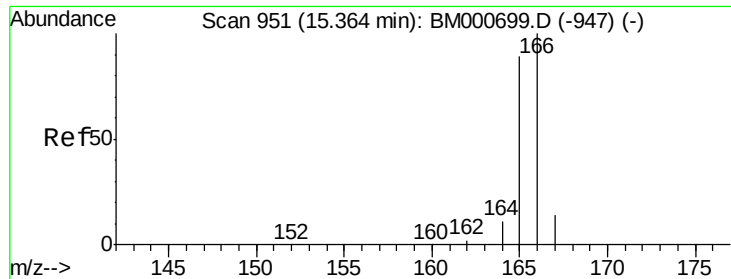


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

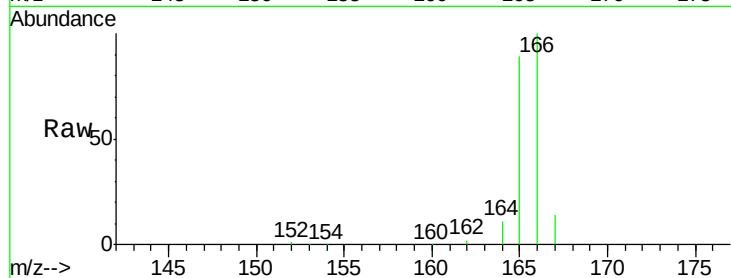




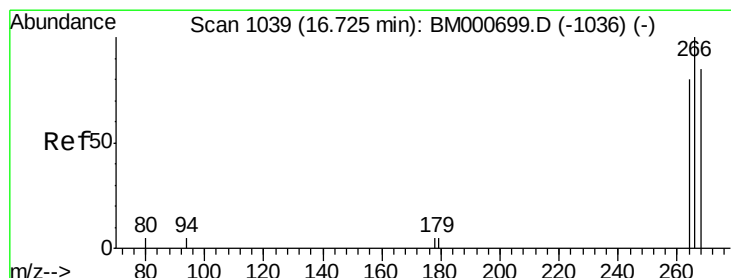
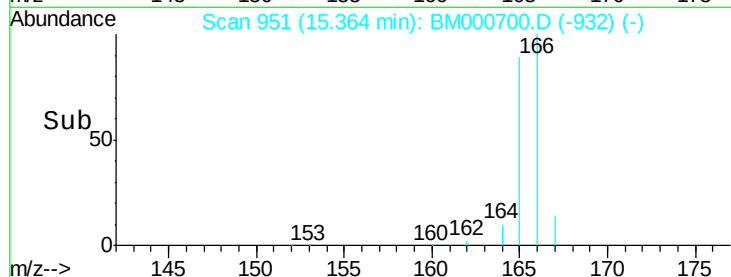
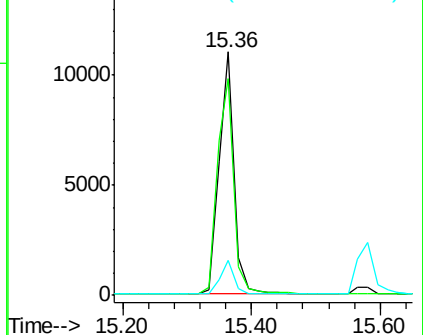
#9
Fluorene
 Concen: 0.94 ng/ul
 RT: 15.36 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM000700.D
 Acq: 11 Mar 2015 21:42

Instrument :
 BNA_M
 ClientSampleId :
 SST0.874

Tgt Ion:166 Resp: 18096
 Ion Ratio Lower Upper
 166 100
 165 88.9 71.7 107.5
 167 14.5 11.5 17.3

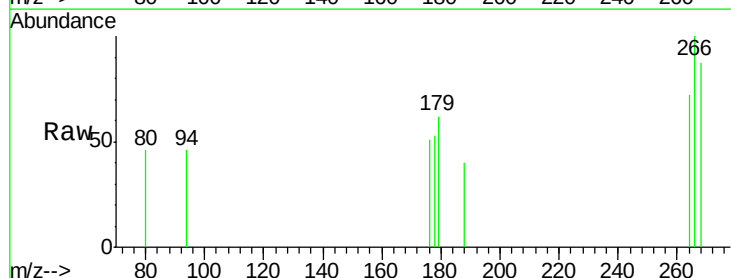


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

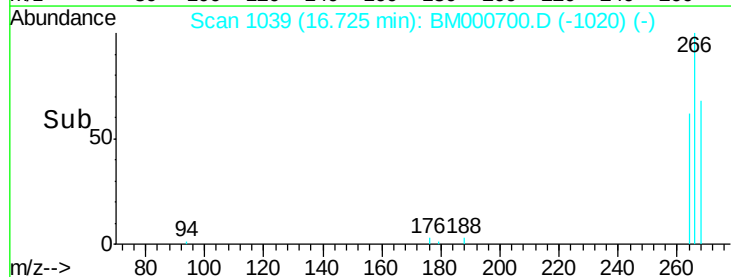
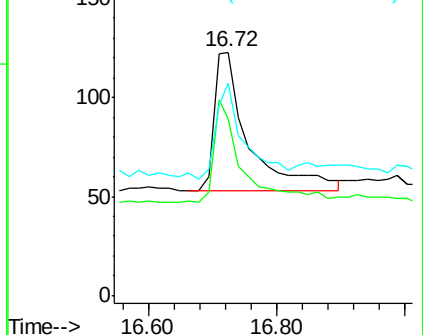


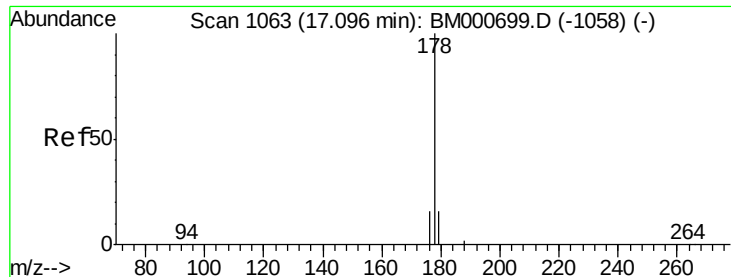
#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BM000700.D
 Acq: 11 Mar 2015 21:42

Tgt Ion:266 Resp: 264
 Ion Ratio Lower Upper
 266 100
 264 61.7 43.9 65.9
 268 53.0 73.2 109.8#



Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.82 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

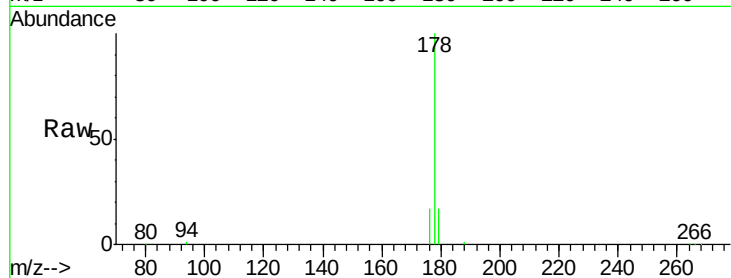
Tgt Ion:178 Resp: 26729

Ion Ratio Lower Upper

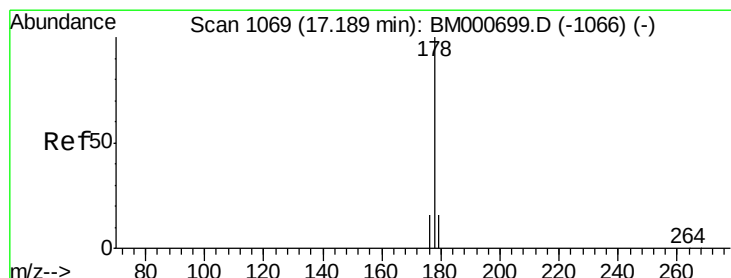
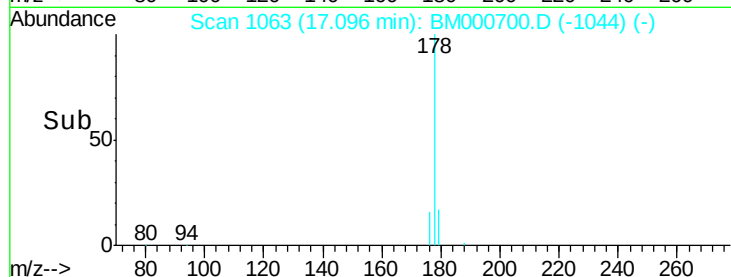
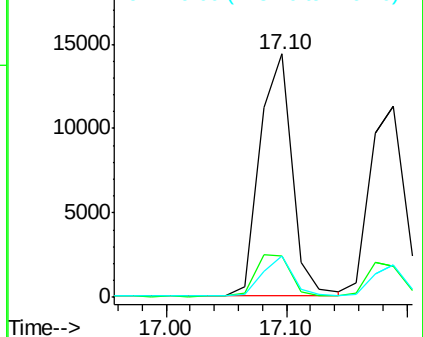
178 100

176 16.8 13.4 20.2

179 17.0 13.4 20.2



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



#13

Anthracene

Concen: 0.83 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

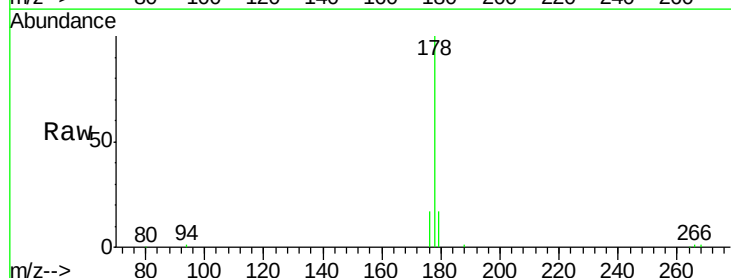
Tgt Ion:178 Resp: 24396

Ion Ratio Lower Upper

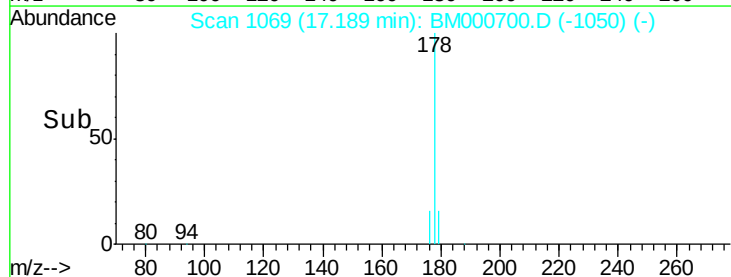
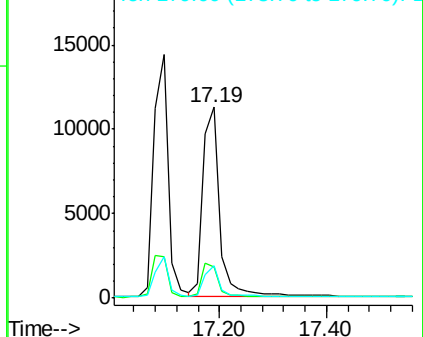
178 100

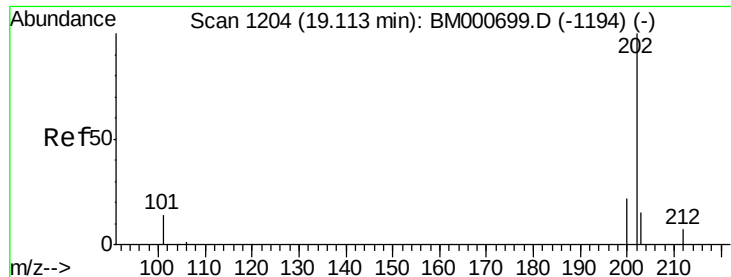
176 16.5 13.8 20.8

179 16.9 13.8 20.6



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

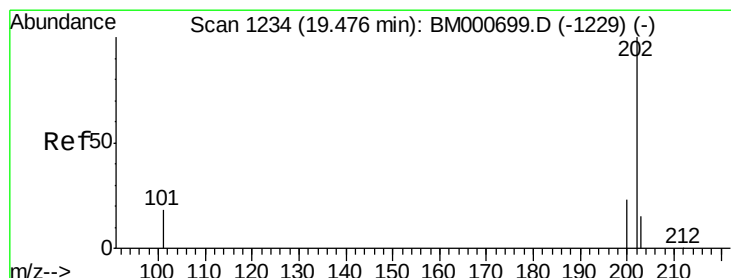
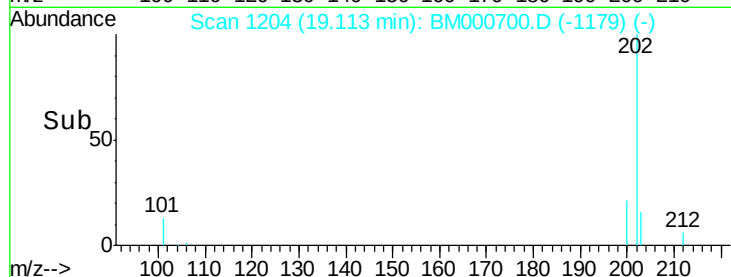
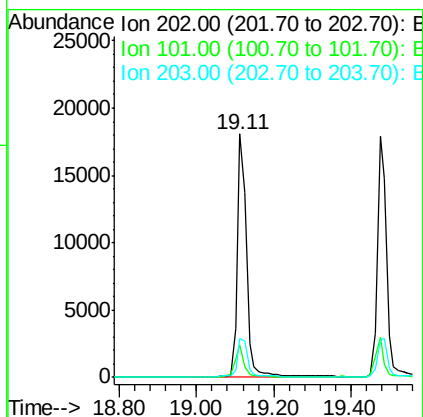
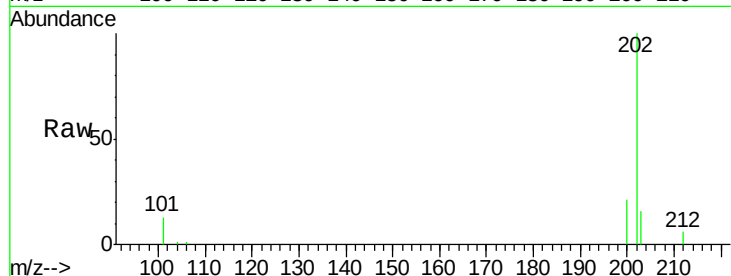




#15
Fluoranthene
Concen: 0.82 ng/ul
RT: 19.11 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 11 Mar 2015 21:42

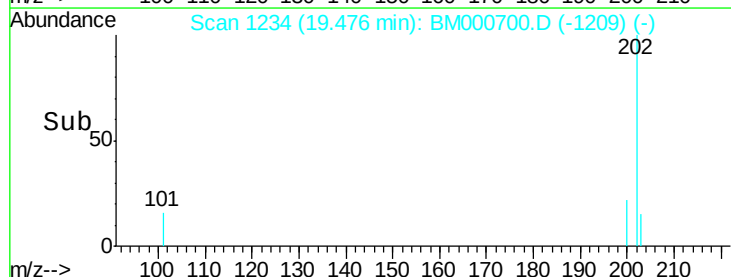
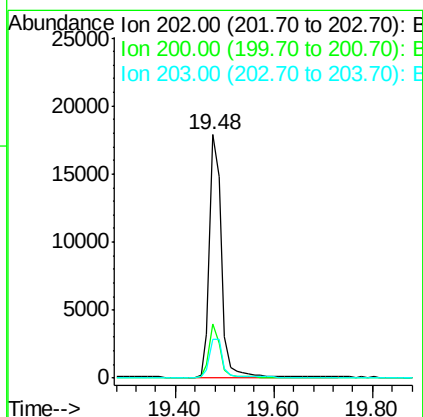
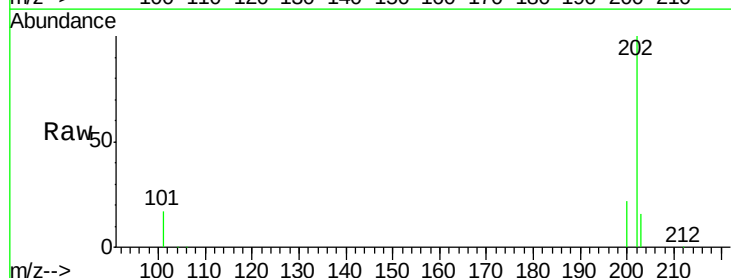
Instrument :
BNA_M
ClientSampleId :
SSTD0.874

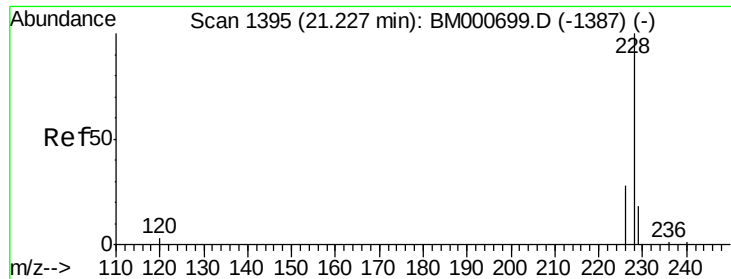
Tgt Ion: 202 Resp: 29571
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.4
203 16.1 0.0 36.0



#17
Pyrene
Concen: 0.79 ng/ul
RT: 19.48 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 11 Mar 2015 21:42

Tgt Ion: 202 Resp: 30001
Ion Ratio Lower Upper
202 100
200 22.1 18.8 28.2
203 15.7 12.8 19.2





#18

Benzo(a)anthracene

Concen: 0.83 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

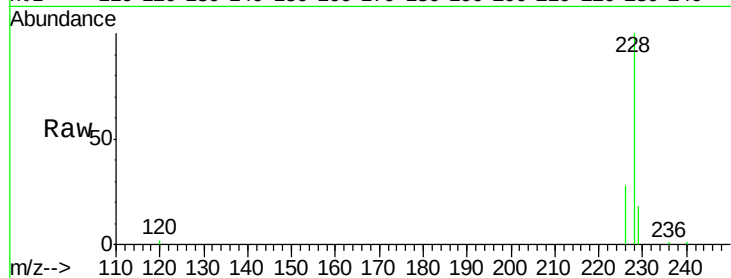
Tgt Ion:228 Resp: 23848

Ion Ratio Lower Upper

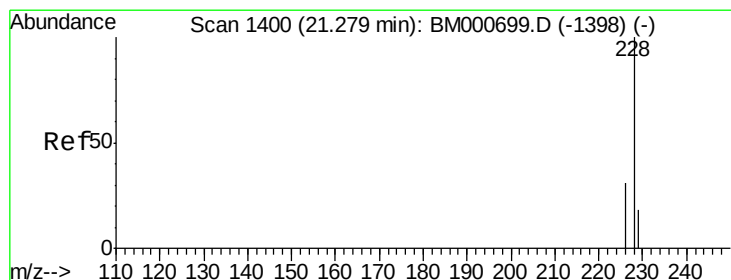
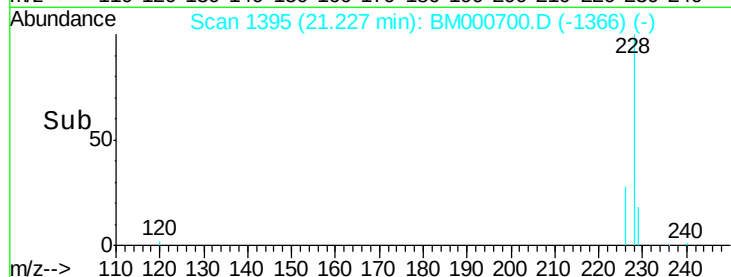
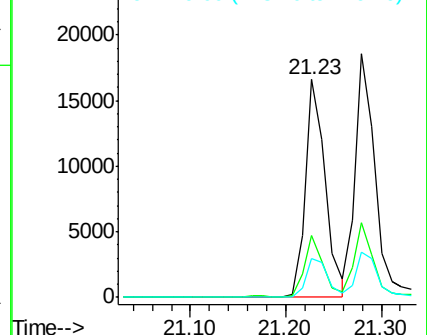
228 100

226 28.2 22.7 34.1

229 18.1 14.7 22.1



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



#19

Chrysene

Concen: 0.80 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

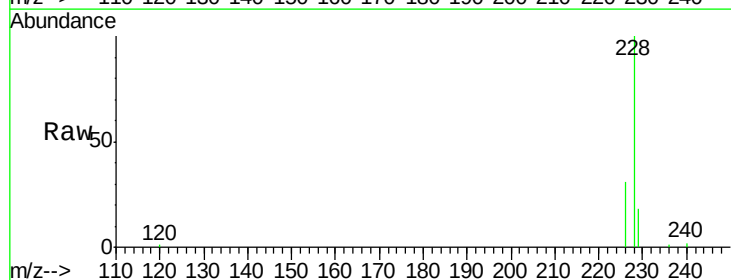
Tgt Ion:228 Resp: 28240

Ion Ratio Lower Upper

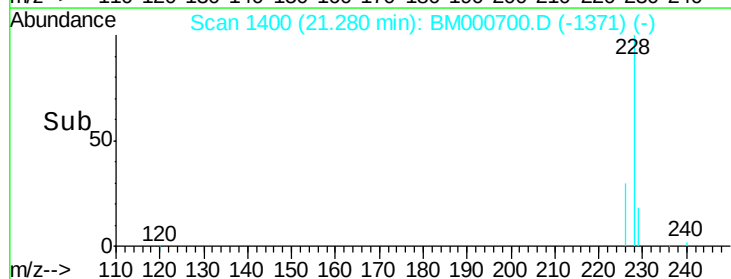
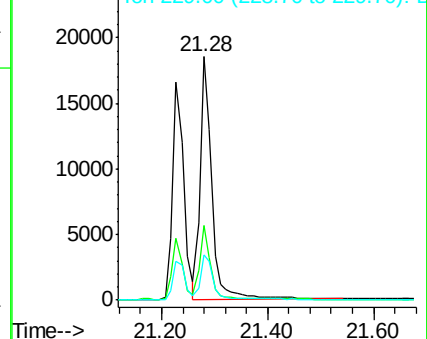
228 100

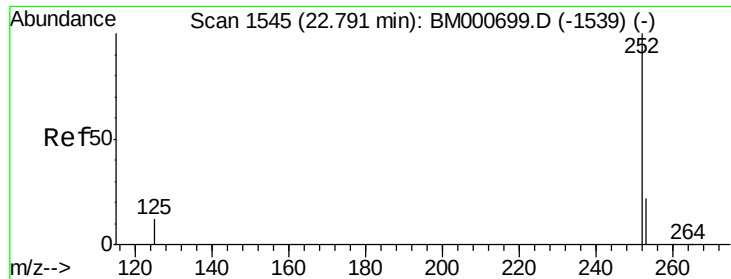
226 30.7 25.3 37.9

229 18.4 14.7 22.1



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

Benzo(b)fluoranthene

Concen: 0.84 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

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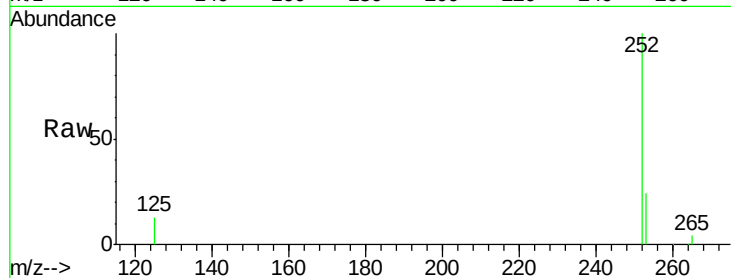
Tgt Ion:252 Resp: 26604

Ion Ratio Lower Upper

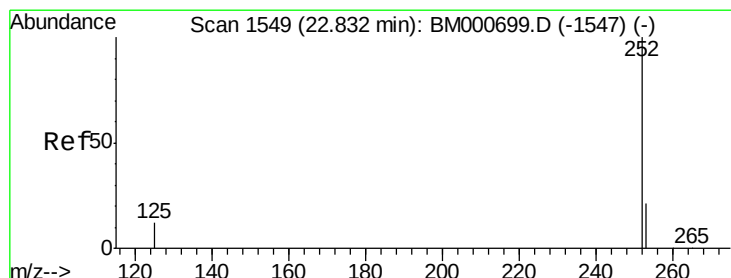
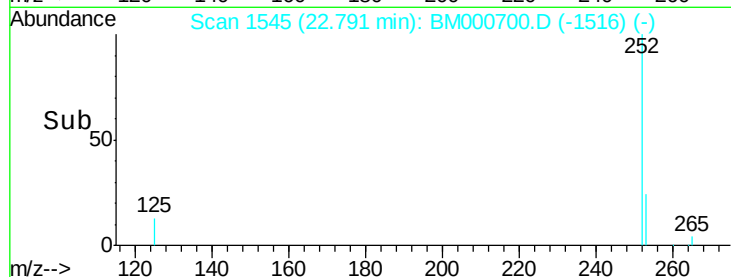
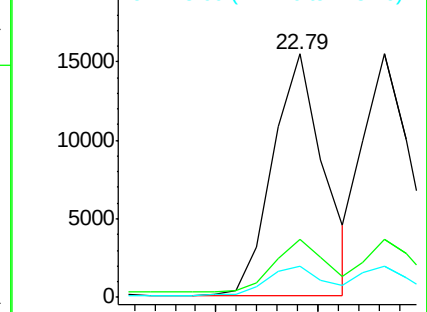
252 100

253 24.1 0.0 53.2

125 12.7 0.0 27.0



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



#22

Benzo(k)fluoranthene

Concen: 0.78 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

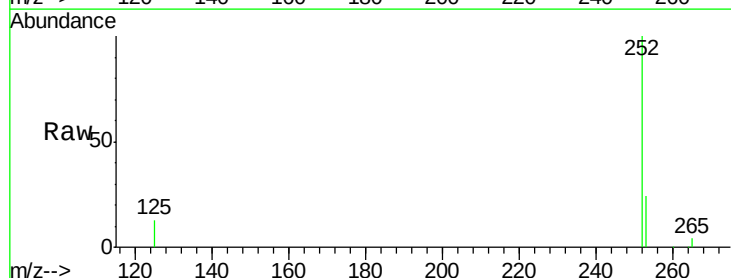
Tgt Ion:252 Resp: 27083

Ion Ratio Lower Upper

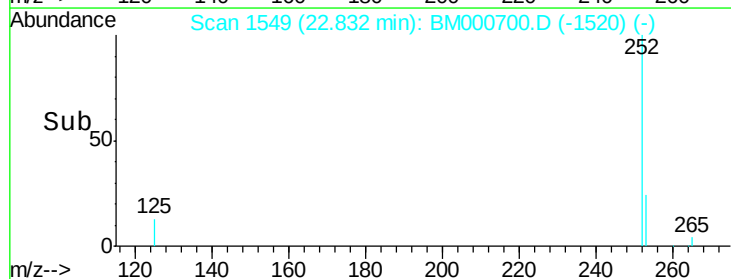
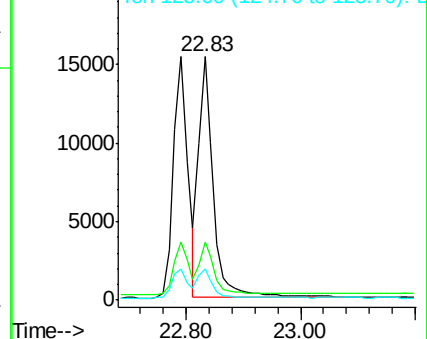
252 100

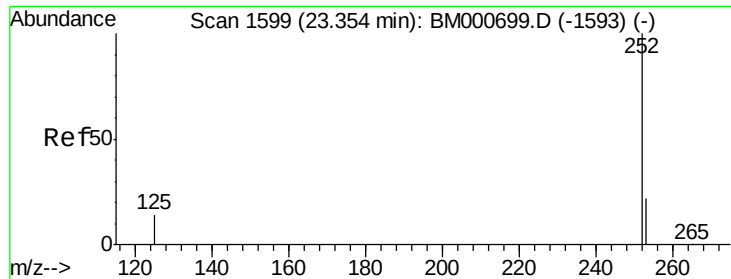
253 23.7 20.8 31.2

125 12.9 11.2 16.8



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





#23

Benzo(a)pyrene

Concen: 0.81 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

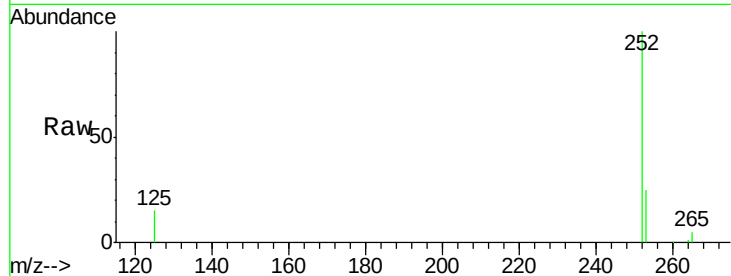
Tgt Ion:252 Resp: 24938

Ion Ratio Lower Upper

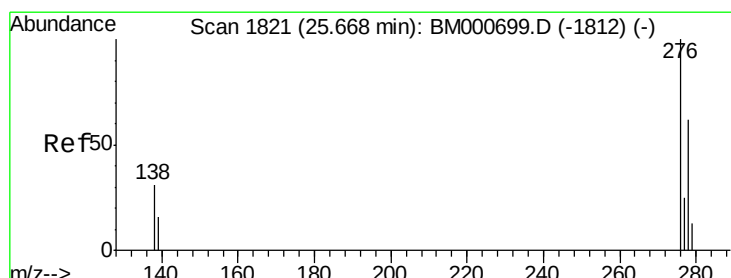
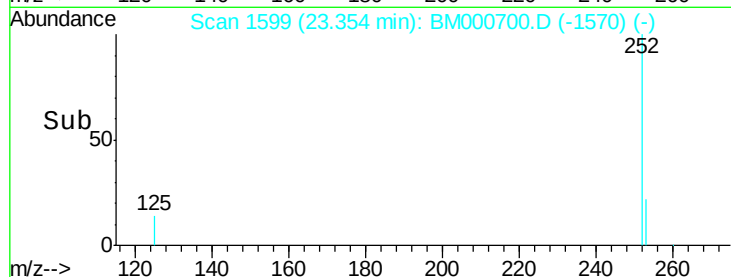
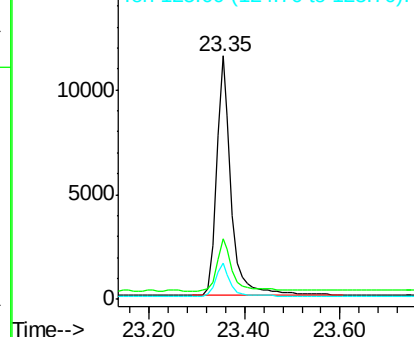
252 100

253 24.8 22.7 34.1

125 14.7 12.6 18.8



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

Indeno(1,2,3-cd)pyrene

Concen: 0.84 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

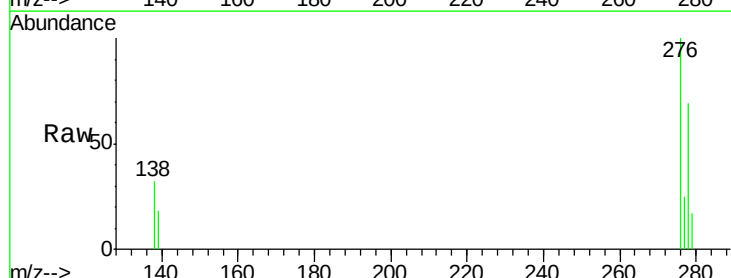
Tgt Ion:276 Resp: 29837

Ion Ratio Lower Upper

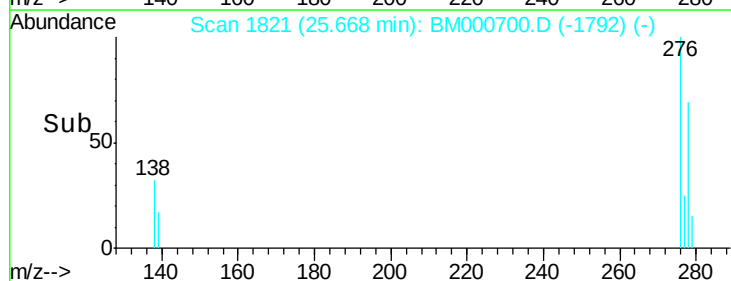
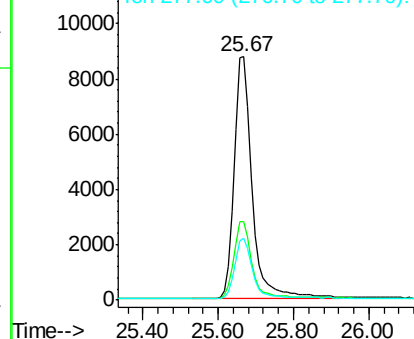
276 100

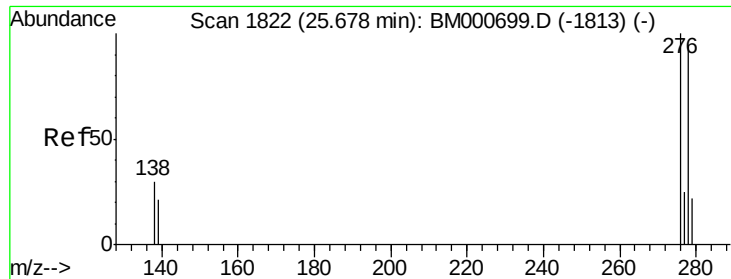
138 32.4 25.4 38.2

277 24.8 20.0 30.0



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

Dibenzo(a,h)anthracene

Concen: 0.85 ng/ul

RT: 25.68 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.874

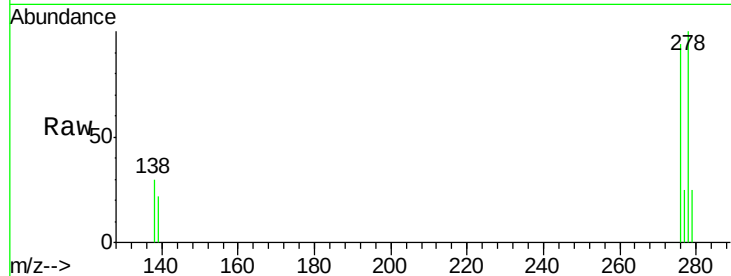
Tgt Ion:278 Resp: 24204

Ion Ratio Lower Upper

278 100

139 21.7 18.8 28.2

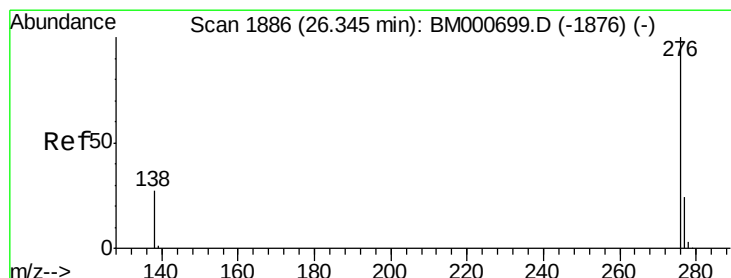
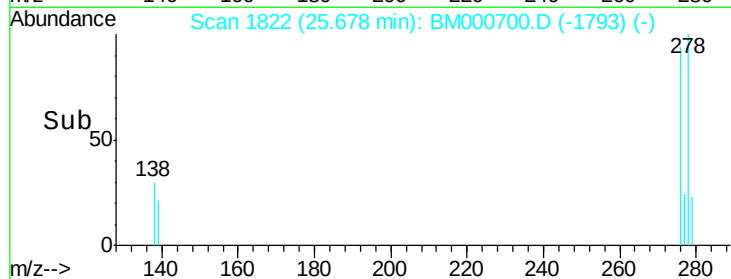
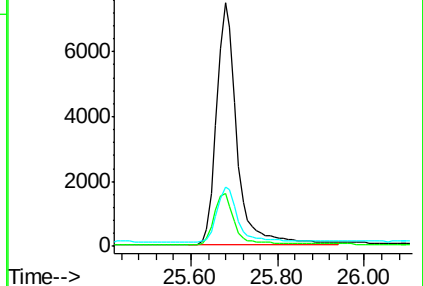
279 24.6 21.6 32.4



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



#26

Benzo(g,h,i)perylene

Concen: 0.85 ng/ul

RT: 26.34 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BM000700.D

Acq: 11 Mar 2015 21:42

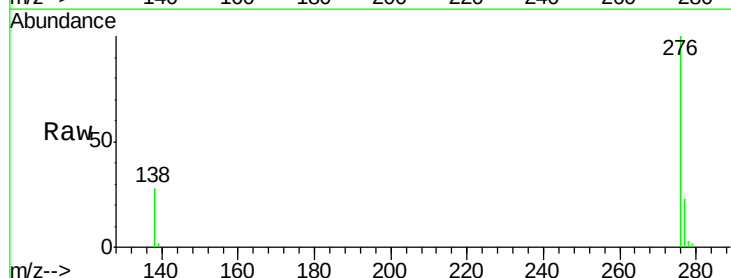
Tgt Ion:276 Resp: 26724

Ion Ratio Lower Upper

276 100

277 23.5 20.2 30.4

138 28.4 22.5 33.7



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

