

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
 Data File : BM000701.D
 Acq On : 12 Mar 2015 16:17
 Operator : TP/IZ
 Sample : SSTD1.675
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 13 08:02:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 13 08:51:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3816	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	13595	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	1998	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17372	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	17649	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	16321	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	28620	1.55	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	64212	1.68	ng/ul	0.00

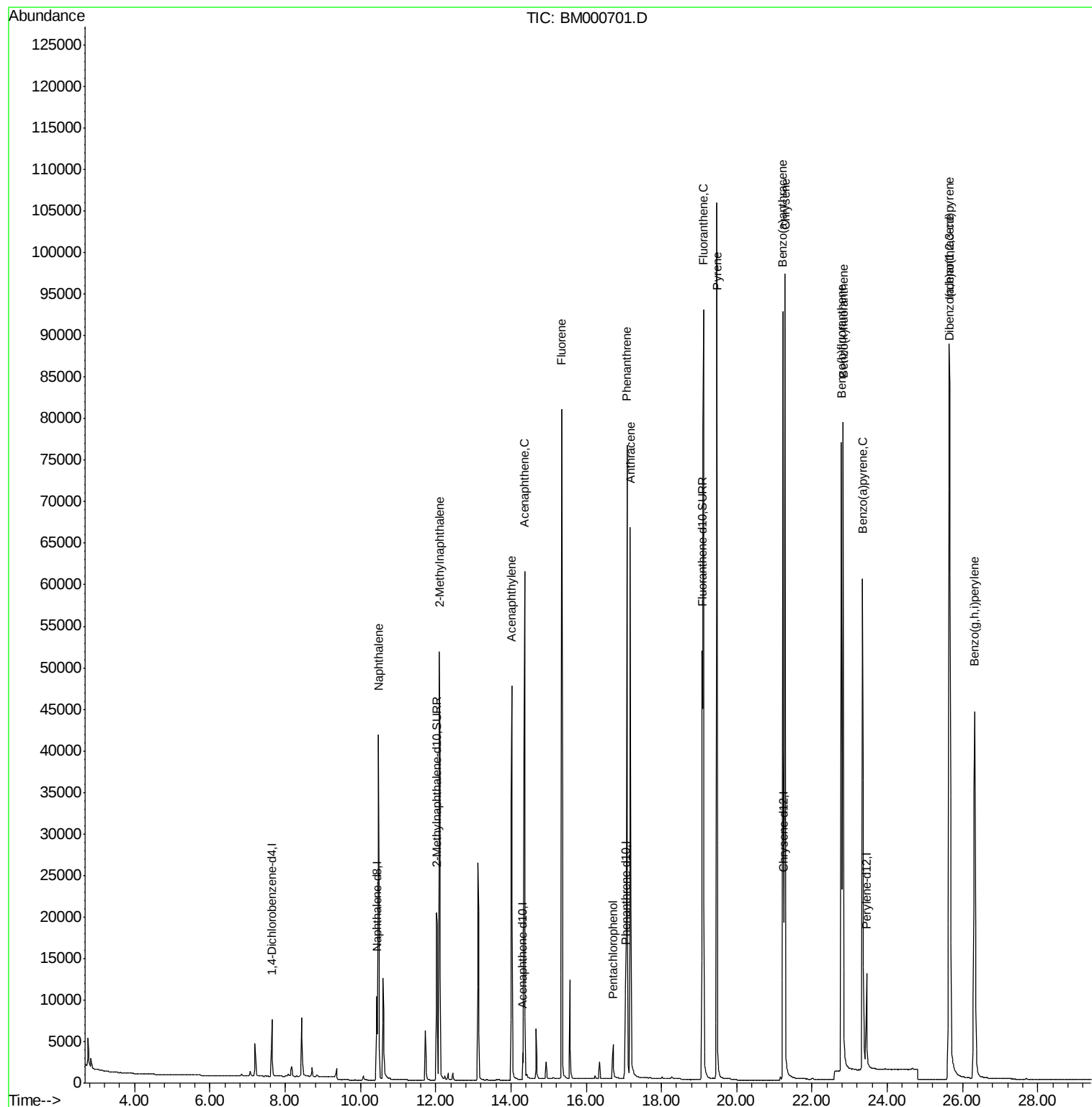
Target Compounds				Qvalue		
3) Naphthalene	10.48	128	57058	1.62	ng/ul	99
5) 2-Methylnaphthalene	12.10	142	39477	1.59	ng/ul	99
7) Acenaphthylene	14.02	152	56827	4.18	ng/ul	99
8) Acenaphthene	14.36	153	42332	4.05	ng/ul	99
9) Fluorene	15.35	166	52461	4.08	ng/ul	97
11) Pentachlorophenol	16.71	266	3982	0.89	ng/ul	98
12) Phenanthrene	17.08	178	81937	1.61	ng/ul	99
13) Anthracene	17.17	178	78658	1.65	ng/ul	99
15) Fluoranthene	19.11	202	98806	1.70	ng/ul	98
17) Pyrene	19.48	202	100009	1.26	ng/ul	99
18) Benzo(a)anthracene	21.23	228	89060	1.57	ng/ul	99
19) Chrysene	21.28	228	99033	1.60	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	99448	1.59	ng/ul	97
22) Benzo(k)fluoranthene	22.82	252	94076	1.53	ng/ul	97
23) Benzo(a)pyrene	23.34	252	90156	1.61	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.65	276	104960	1.94	ng/ul	100
25) Dibenzo(a,h)anthracene	25.66	278	84714	1.97	ng/ul	97
26) Benzo(g,h,i)perylene	26.31	276	91209	1.94	ng/ul	98

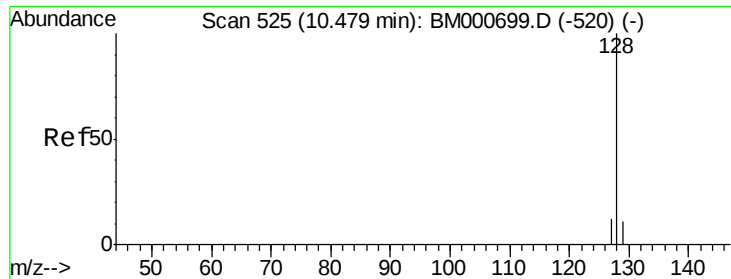
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.62 ng/ul

RT: 10.48 min Scan# 525

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :

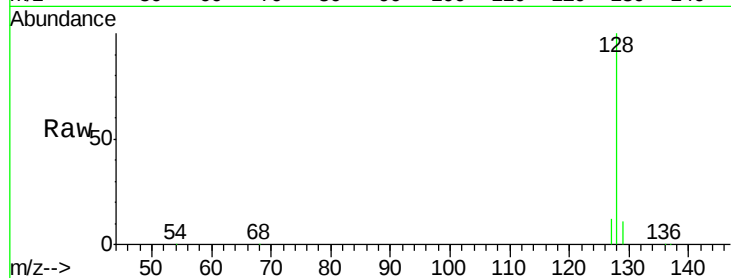
Tgt Ion:128 Resp: 57058

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

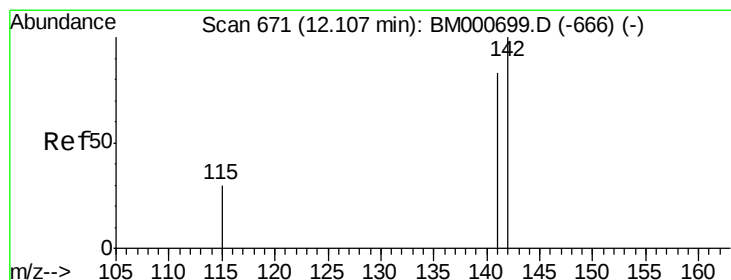
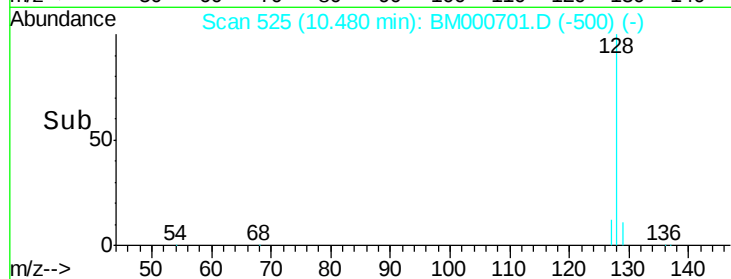
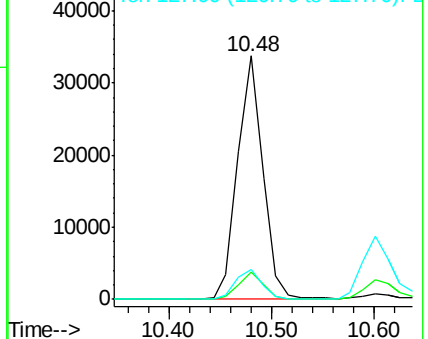
127 12.4 10.2 15.2



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: 1.59 ng/ul

RT: 12.10 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM000701.D

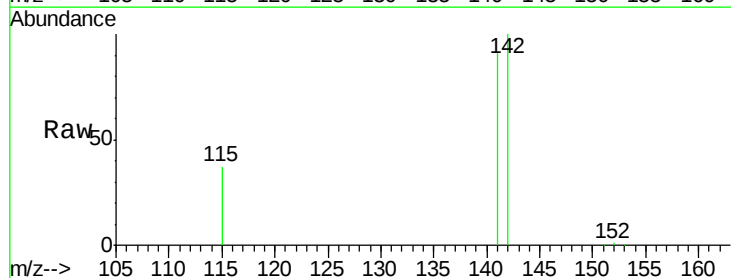
Acq: 12 Mar 2015 16:17

Tgt Ion:142 Resp: 39477

Ion Ratio Lower Upper

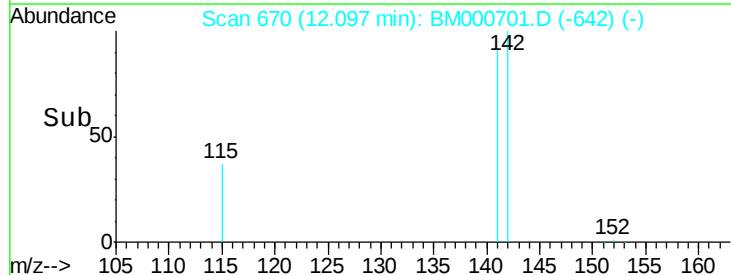
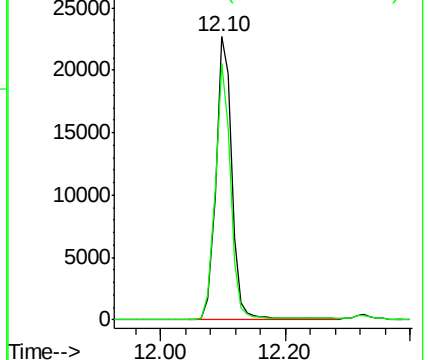
142 100

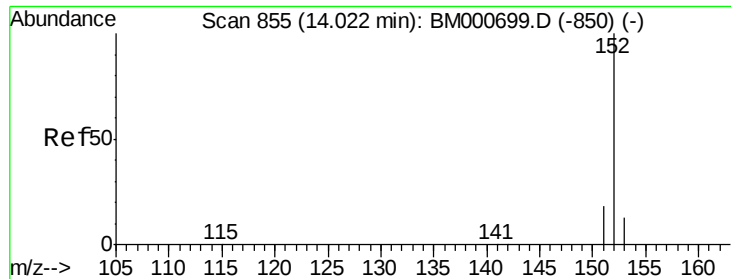
141 87.5 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 4.18 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :

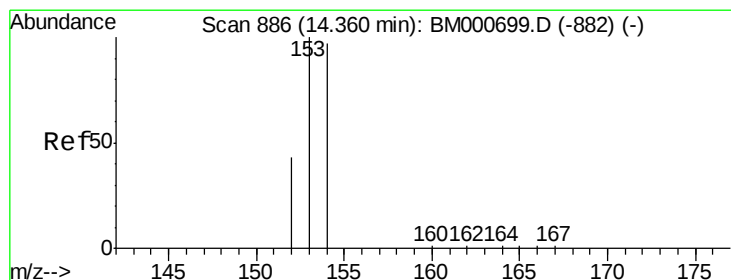
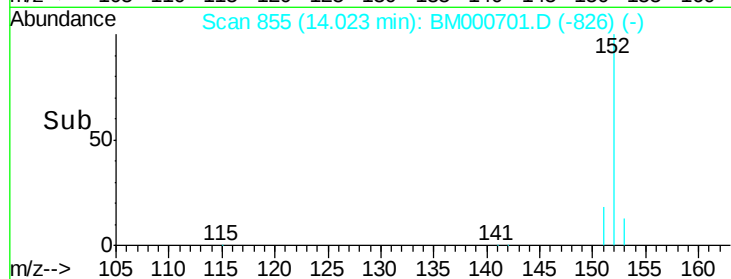
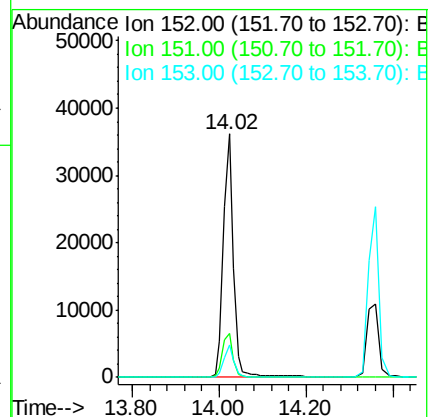
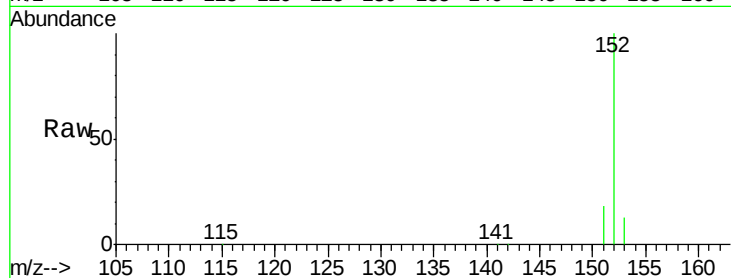
Tgt Ion:152 Resp: 56827

Ion Ratio Lower Upper

152 100

151 18.3 15.0 22.6

153 13.4 10.7 16.1



#8

Acenaphthene

Concen: 4.05 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

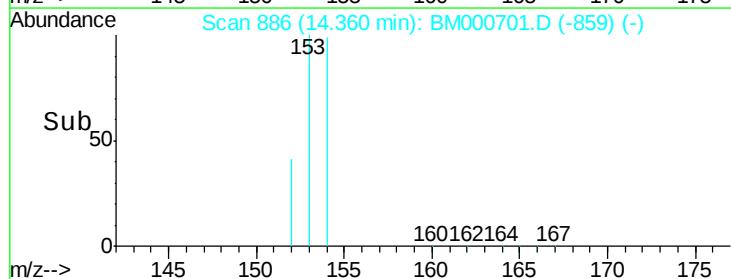
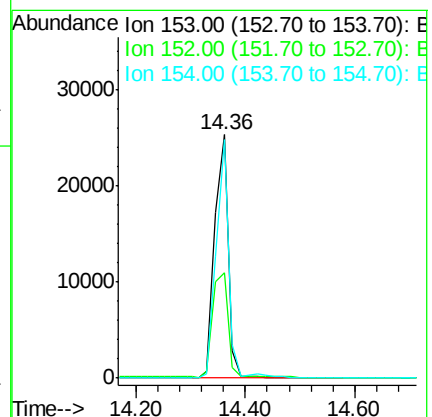
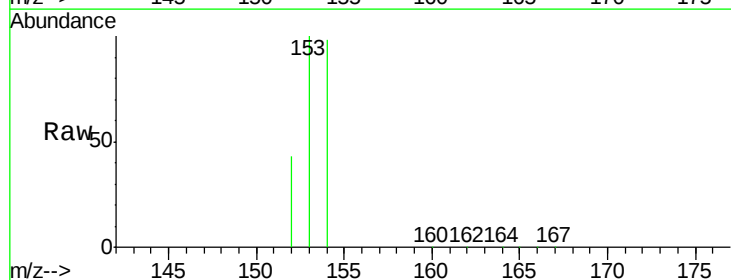
Tgt Ion:153 Resp: 42332

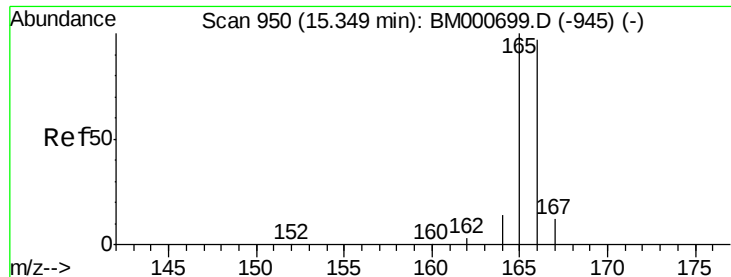
Ion Ratio Lower Upper

153 100

152 43.3 34.7 52.1

154 98.1 77.3 115.9

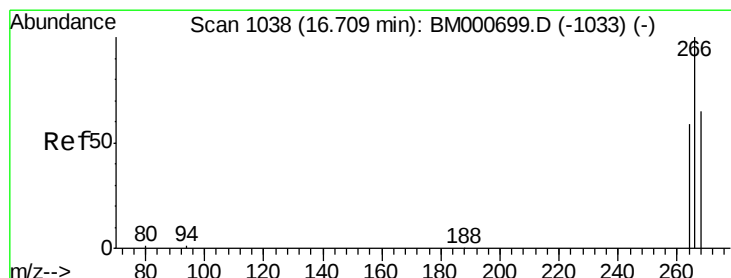
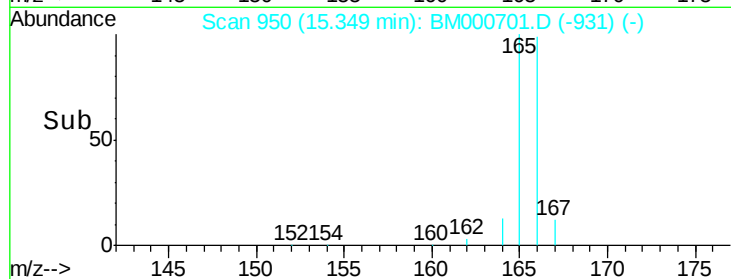
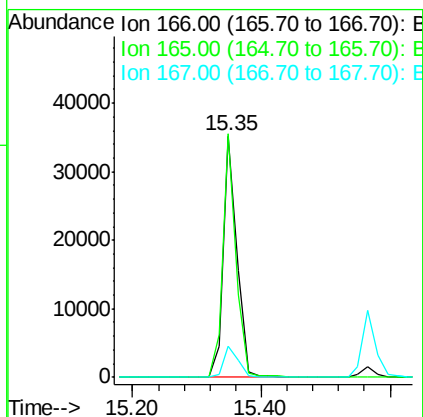
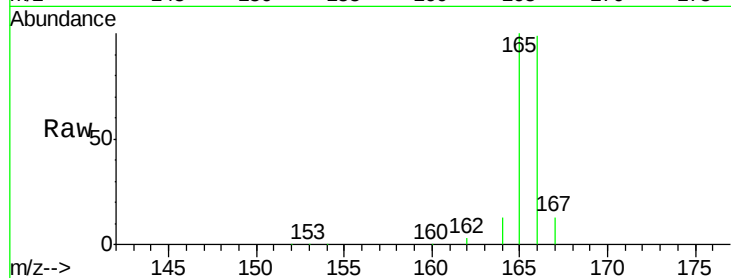




#9
Fluorene
 Concen: 4.08 ng/ul
 RT: 15.35 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BM000701.D
 Acq: 12 Mar 2015 16:17

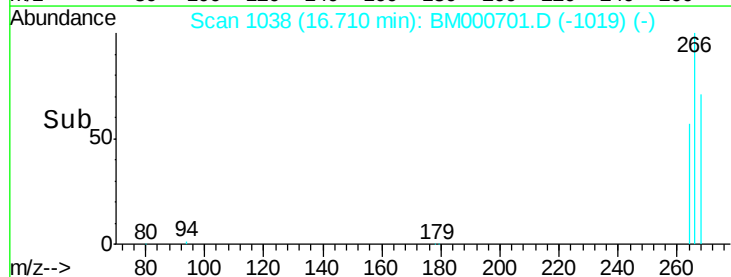
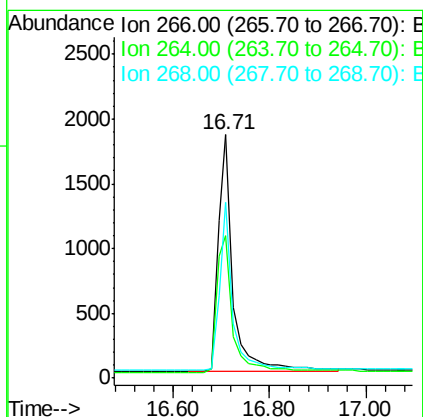
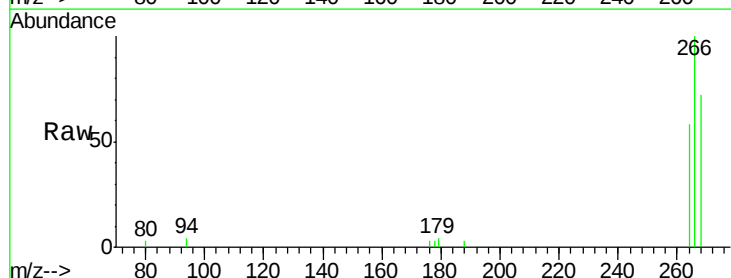
Instrument :
 BNA_M
 ClientSampleId :

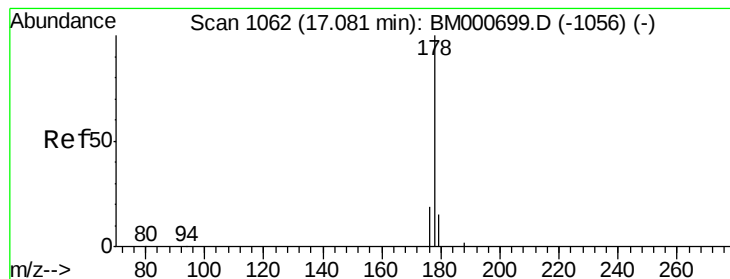
Tgt Ion:166 Resp: 52461
 Ion Ratio Lower Upper
 166 100
 165 100.8 83.0 124.4
 167 12.7 10.3 15.5



#11
Pentachlorophenol
 Concen: 0.89 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000701.D
 Acq: 12 Mar 2015 16:17

Tgt Ion:266 Resp: 3982
 Ion Ratio Lower Upper
 266 100
 264 63.3 48.8 73.2
 268 64.2 51.7 77.5





#12

Phenanthrene

Concen: 1.61 ng/ul

RT: 17.08 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :

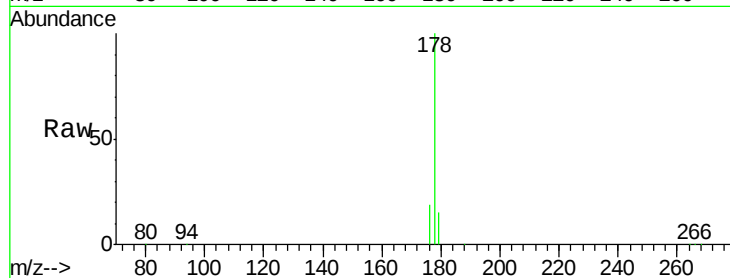
Tgt Ion:178 Resp: 81937

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

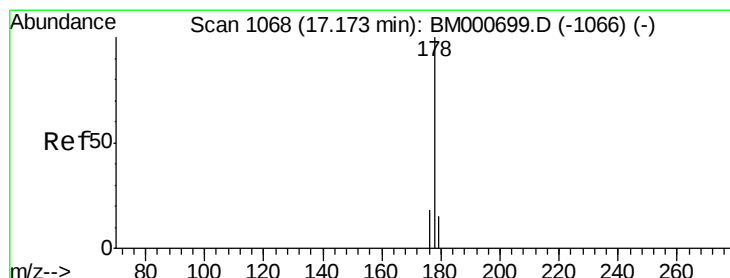
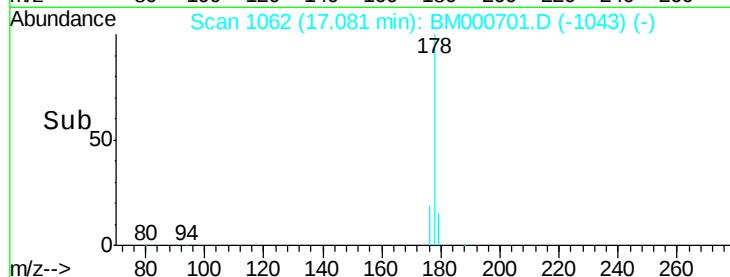
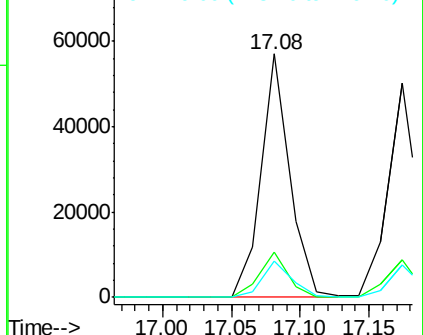
179 14.9 12.1 18.1



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: 1.65 ng/ul

RT: 17.17 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

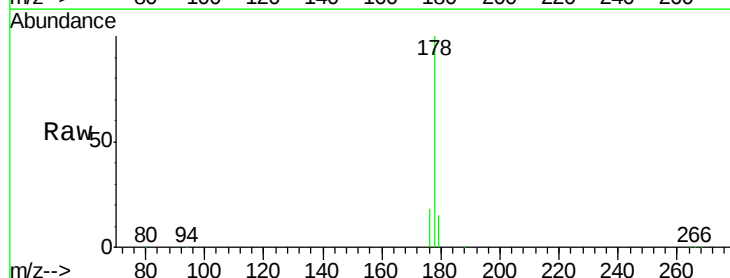
Tgt Ion:178 Resp: 78658

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

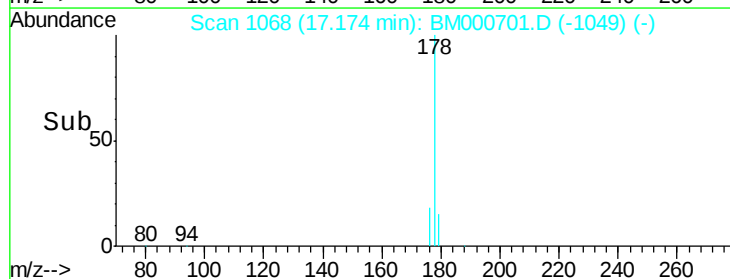
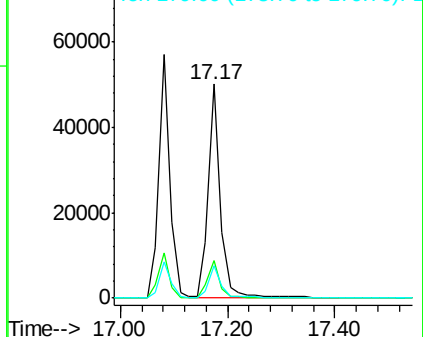
179 15.2 12.2 18.2

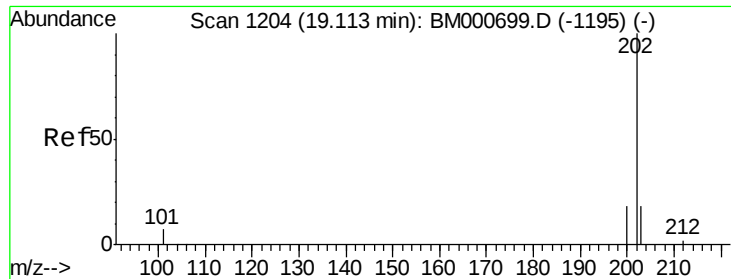


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

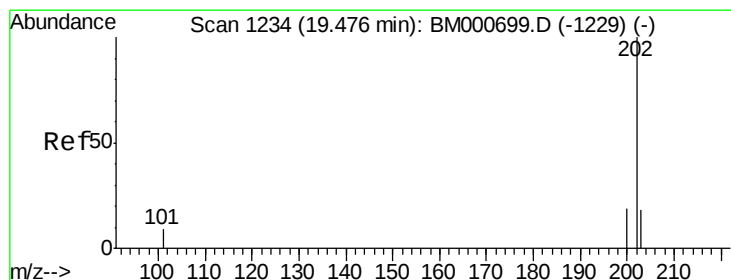
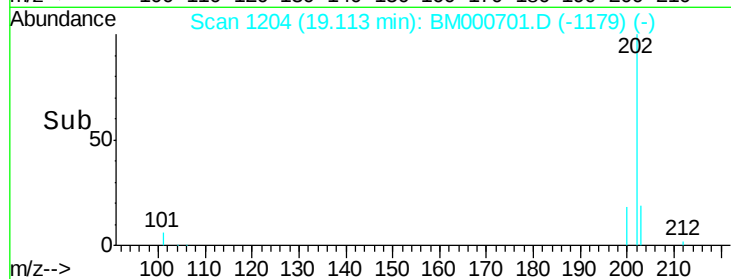
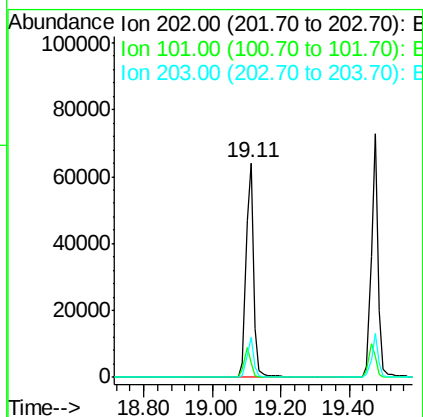
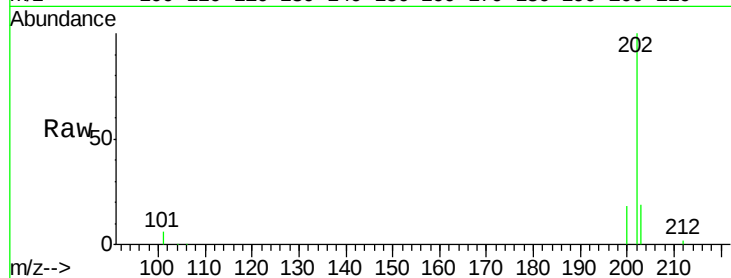




#15
Fluoranthene
Concen: 1.70 ng/ul
RT: 19.11 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BM000701.D
Acq: 12 Mar 2015 16:17

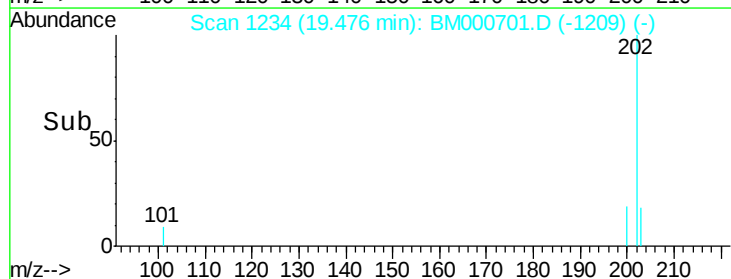
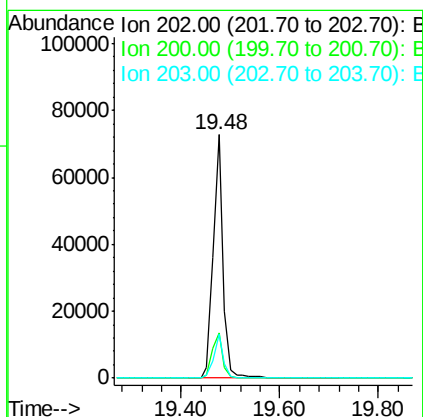
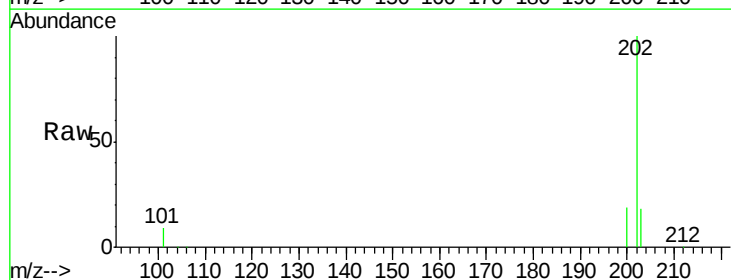
Instrument :
BNA_M
ClientSampleId :

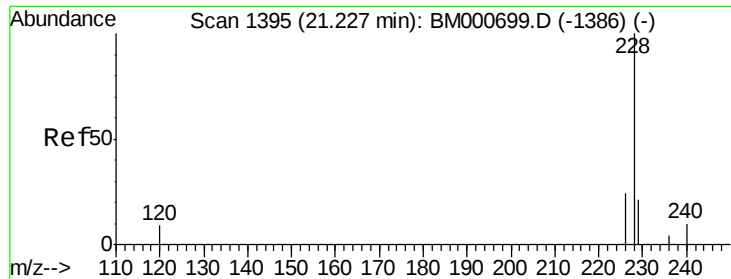
Tgt Ion:202 Resp: 98806
Ion Ratio Lower Upper
202 100
101 6.5 0.0 27.4
203 18.7 0.0 38.1



#17
Pyrene
Concen: 1.26 ng/ul
RT: 19.48 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM000701.D
Acq: 12 Mar 2015 16:17

Tgt Ion:202 Resp: 100009
Ion Ratio Lower Upper
202 100
200 18.8 15.5 23.3
203 17.8 14.4 21.6





#18

Benzo(a)anthracene

Concen: 1.57 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :

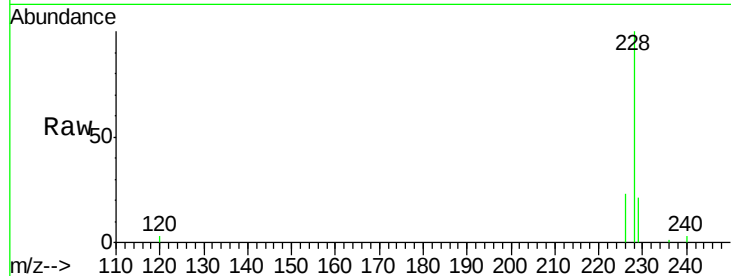
Tgt Ion:228 Resp: 89060

Ion Ratio Lower Upper

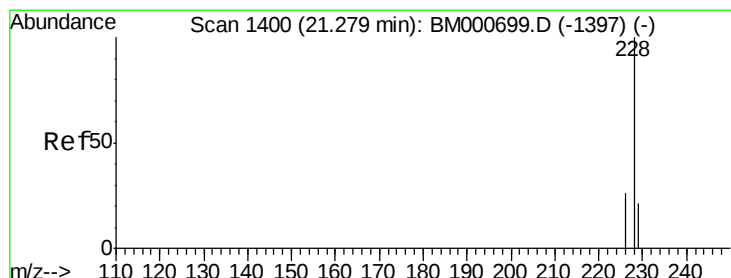
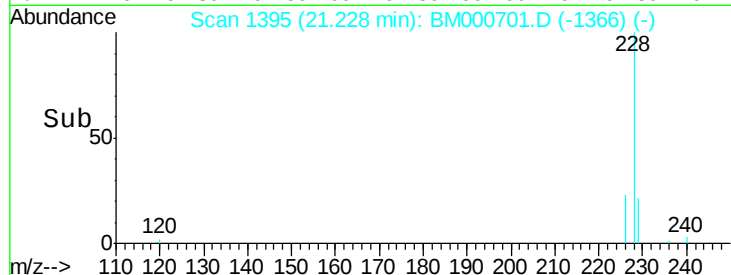
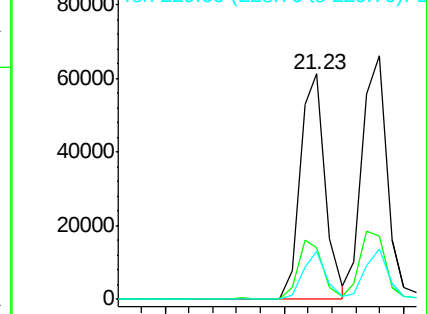
228 100

226 23.1 19.1 28.7

229 21.1 16.7 25.1



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: 1.60 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

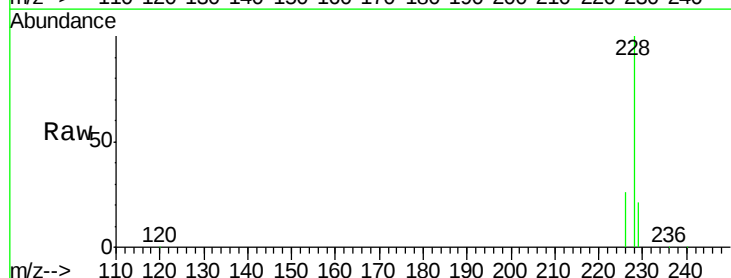
Tgt Ion:228 Resp: 99033

Ion Ratio Lower Upper

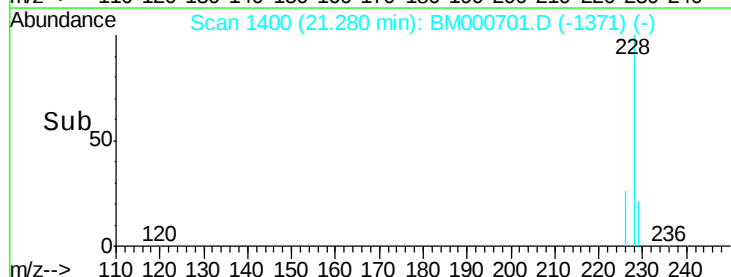
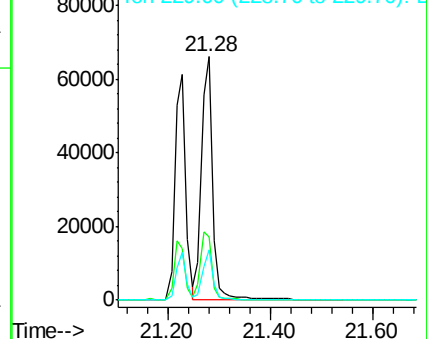
228 100

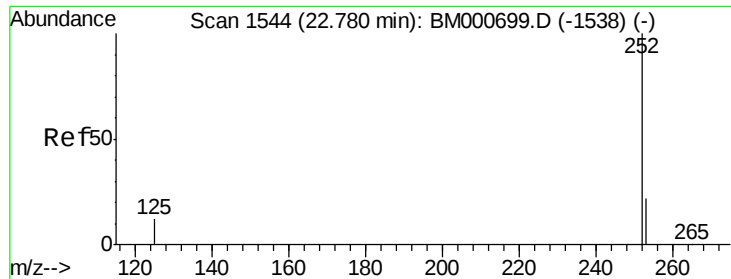
226 25.7 21.0 31.4

229 20.7 17.0 25.4



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

Benzo(b)fluoranthene

Concen: 1.59 ng/ul

RT: 22.78 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :

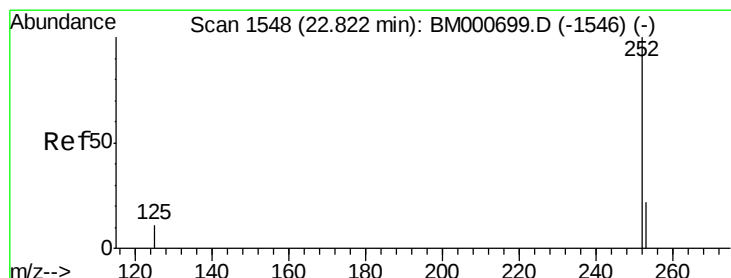
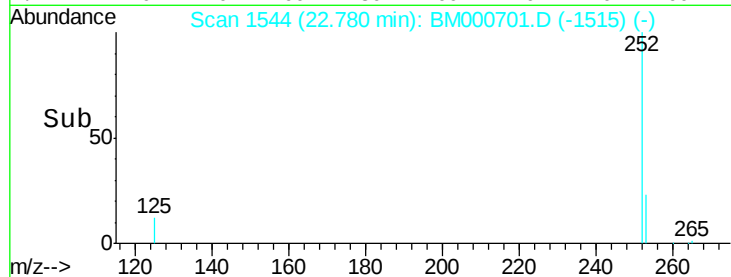
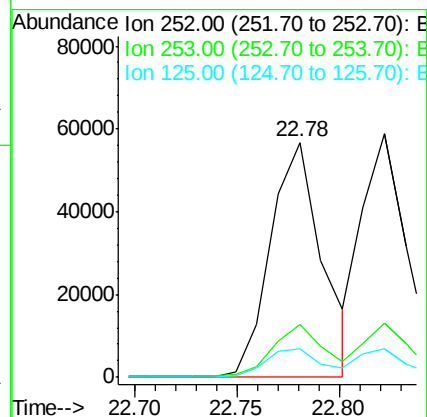
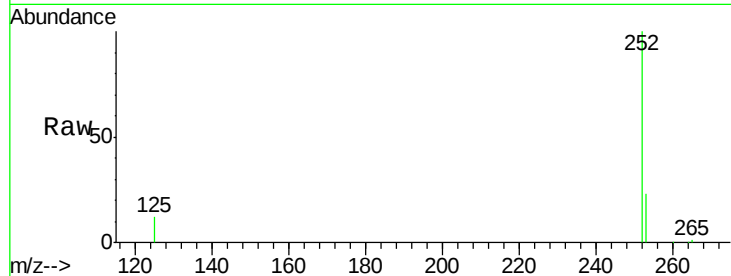
Tgt Ion:252 Resp: 99448

Ion Ratio Lower Upper

252 100

253 22.7 0.0 49.6

125 12.0 0.0 25.4



#22

Benzo(k)fluoranthene

Concen: 1.53 ng/ul

RT: 22.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

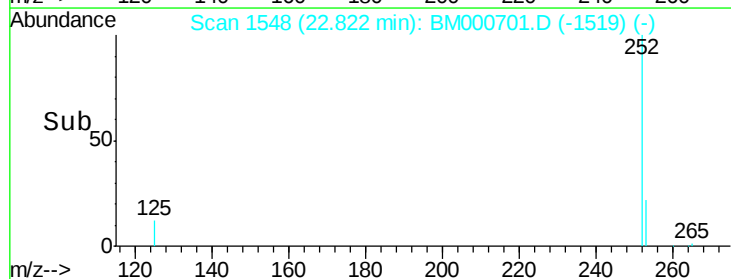
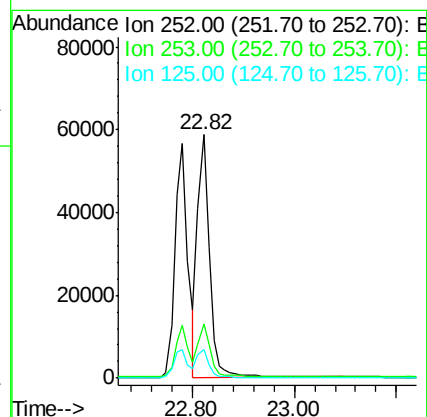
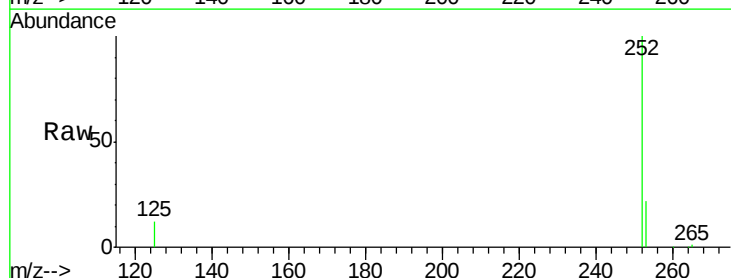
Tgt Ion:252 Resp: 94076

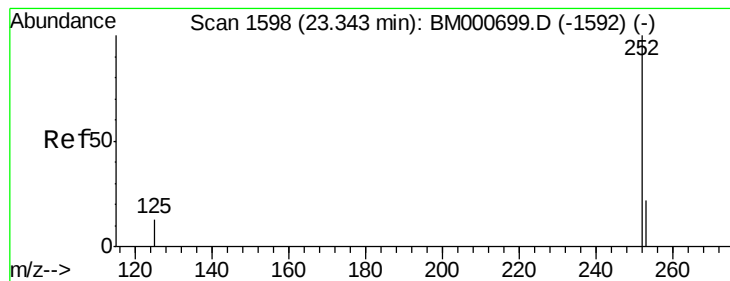
Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.0

125 12.0 10.1 15.1





#23

Benzo(a)pyrene

Concen: 1.61 ng/ul

RT: 23.34 min Scan# 1598

Delta R.T. 0.00 min

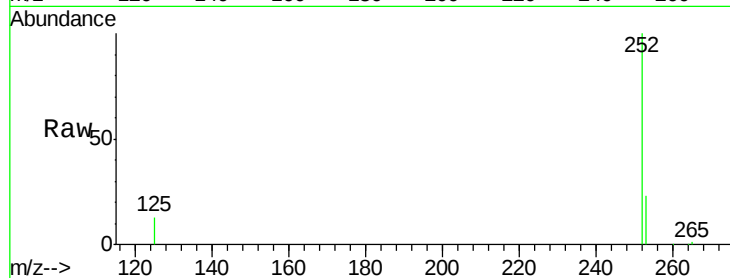
Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

Instrument :

BNA_M

ClientSampleId :



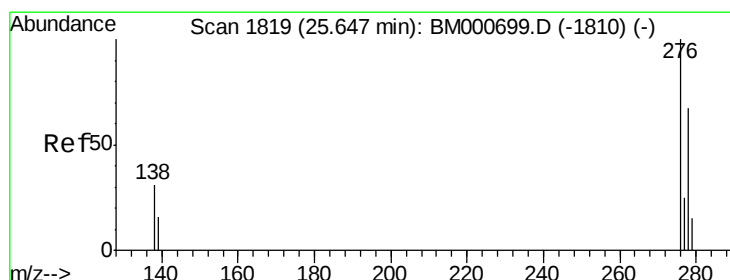
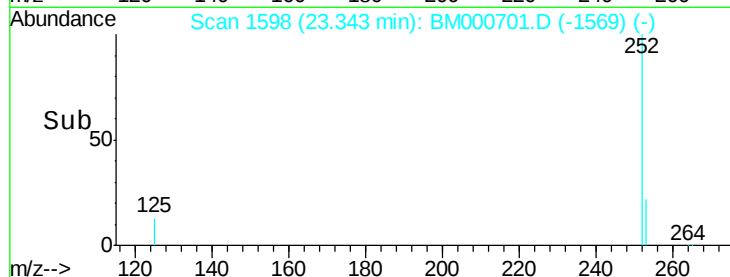
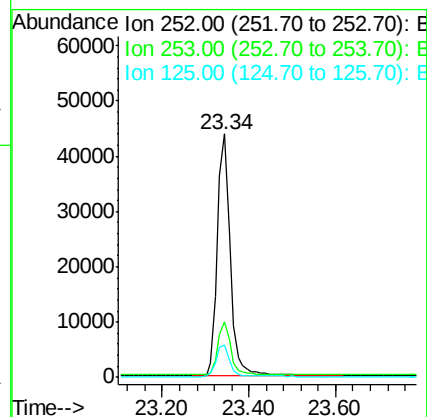
Tgt Ion: 252 Resp: 90156

Ion Ratio Lower Upper

252 100

253 22.8 20.9 31.3

125 13.4 11.4 17.0



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.94 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM000701.D

Acq: 12 Mar 2015 16:17

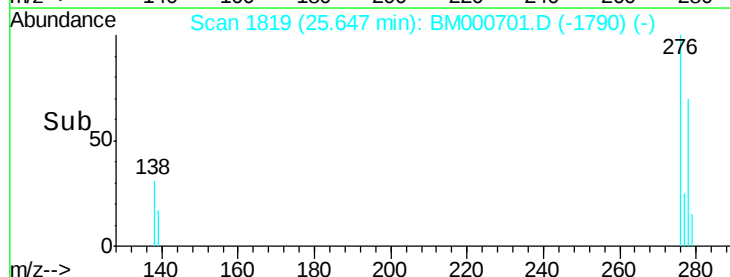
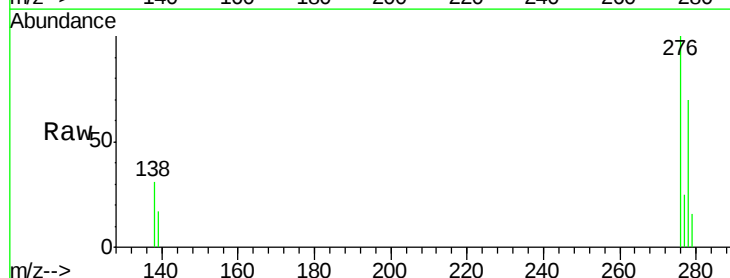
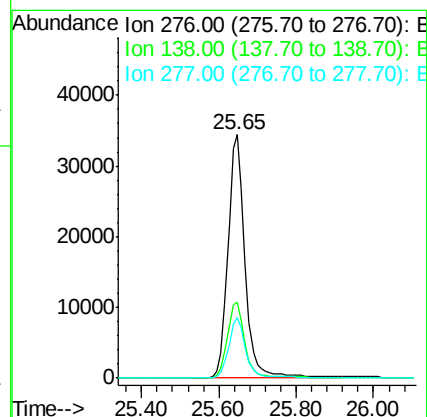
Tgt Ion: 276 Resp: 104960

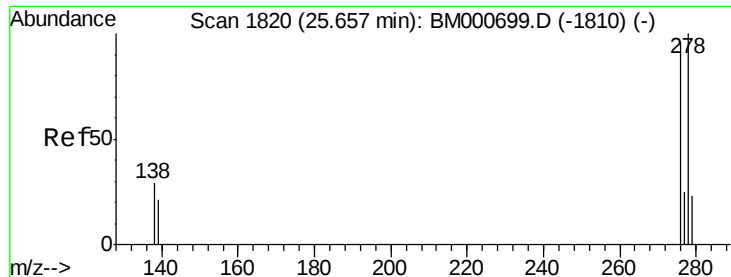
Ion Ratio Lower Upper

276 100

138 32.1 25.6 38.4

277 24.7 19.7 29.5



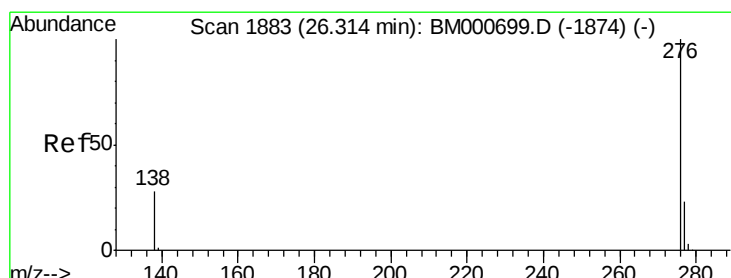
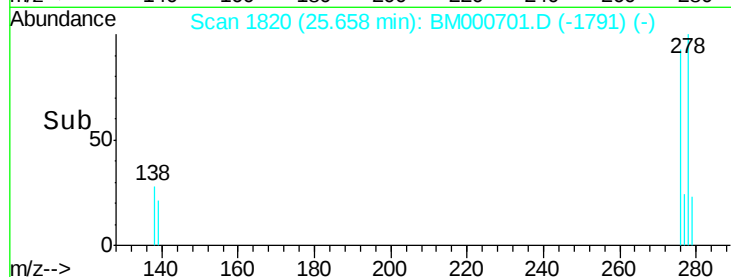
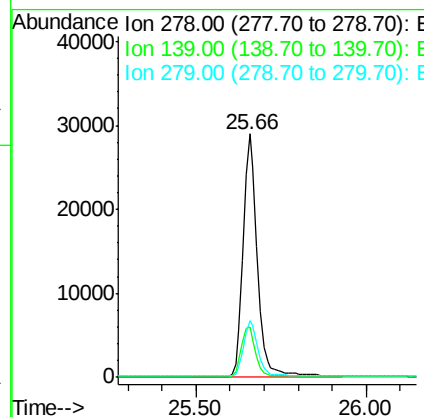
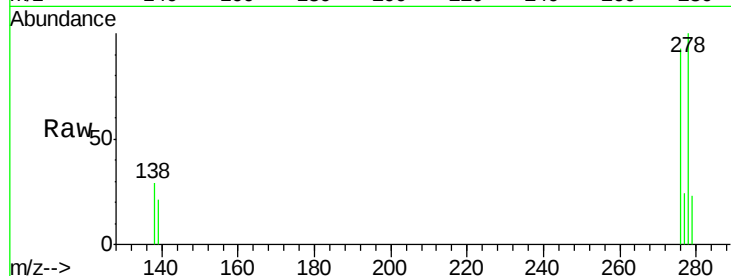


#25
Dibenzo(a,h)anthracene
Concen: 1.97 ng/ul
RT: 25.66 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM000701.D
Acq: 12 Mar 2015 16:17

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 84714

Ion	Ratio	Lower	Upper
278	100		
139	20.7	17.4	26.2
279	23.2	20.0	30.0



#26
Benzo(g,h,i)perylene
Concen: 1.94 ng/ul
RT: 26.31 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BM000701.D
Acq: 12 Mar 2015 16:17

Tgt Ion: 276 Resp: 91209

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	28.0	23.3	34.9

