

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
 Data File : BM000700.D
 Acq On : 12 Mar 2015 15:41
 Operator : TP/IZ
 Sample : SSTD0.874
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 13 08:02:17 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	3569	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	12829	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	1753	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16489	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	16413	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	15706	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.03	152	13841	0.79	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	31223	0.86	ng/ul	0.00

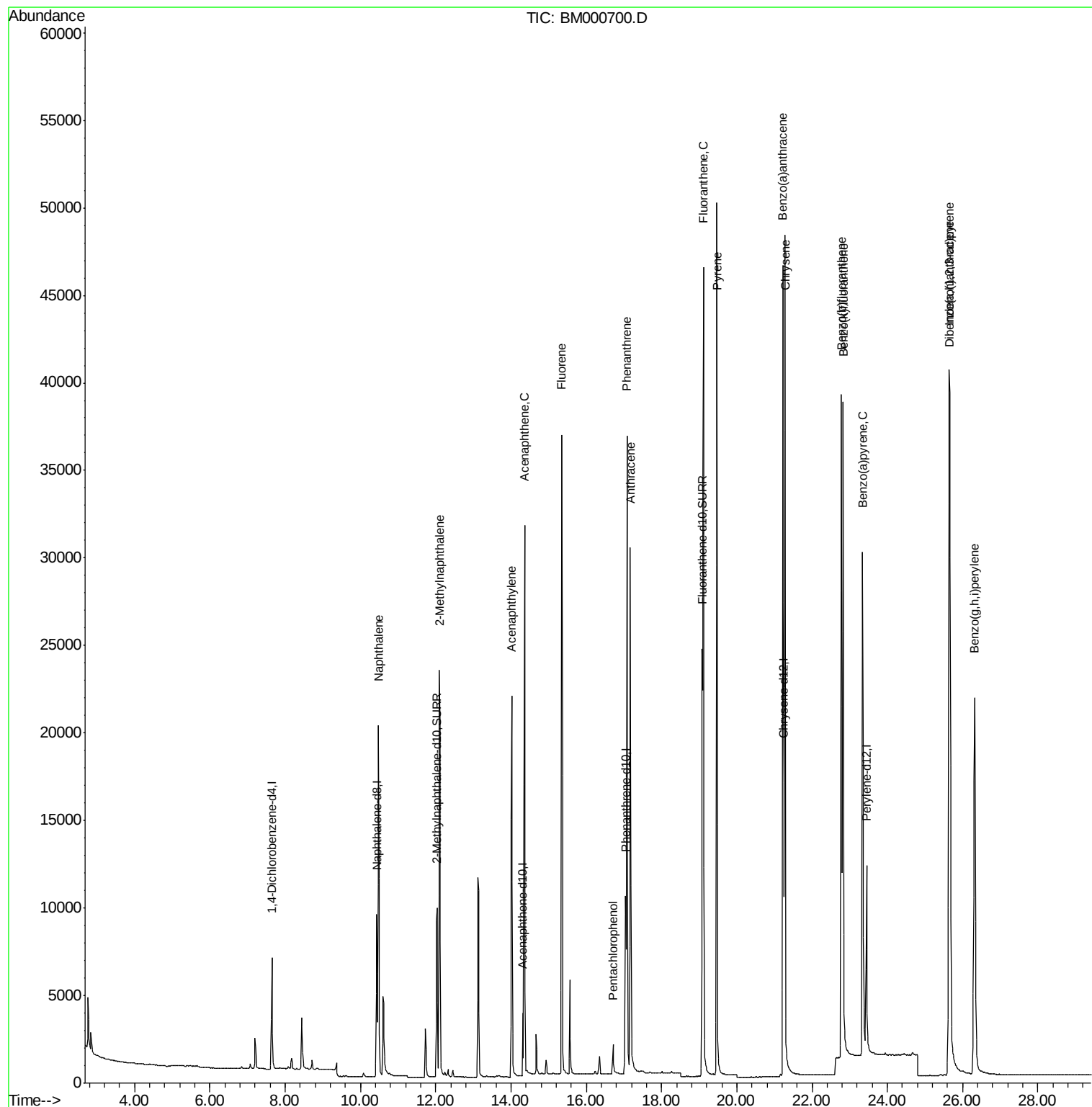
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	27735	0.83	ng/ul	100
5) 2-Methylnaphthalene	12.10	142	19036	0.81	ng/ul	100
7) Acenaphthylene	14.02	152	26784	2.25	ng/ul	99
8) Acenaphthene	14.36	153	20618	2.25	ng/ul	98
9) Fluorene	15.35	166	25012	2.22	ng/ul	99
11) Pentachlorophenol	16.71	266	1634	0.38	ng/ul	98
12) Phenanthrene	17.08	178	40147	0.83	ng/ul	99
13) Anthracene	17.17	178	36767	0.81	ng/ul	100
15) Fluoranthene	19.11	202	47612	0.86	ng/ul	100
17) Pyrene	19.48	202	48667	0.66	ng/ul	99
18) Benzo(a)anthracene	21.23	228	42060	0.80	ng/ul	99
19) Chrysene	21.28	228	48678	0.84	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	48100	0.80	ng/ul	97
22) Benzo(k)fluoranthene	22.82	252	46940	0.79	ng/ul	98
23) Benzo(a)pyrene	23.34	252	44365	0.82	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.65	276	51484	0.99	ng/ul	100
25) Dibenzo(a,h)anthracene	25.66	278	41315	1.00	ng/ul	98
26) Benzo(g,h,i)perylene	26.31	276	45094	0.99	ng/ul	99

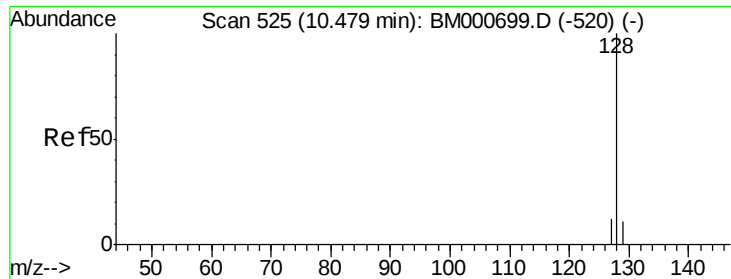
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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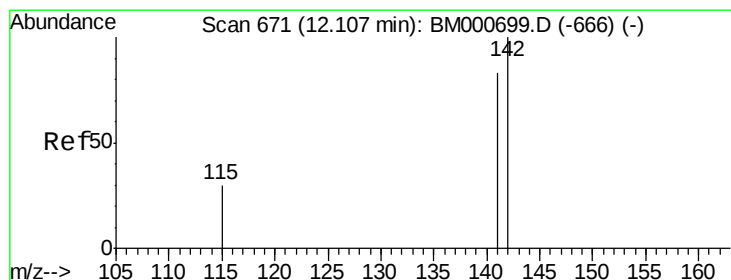
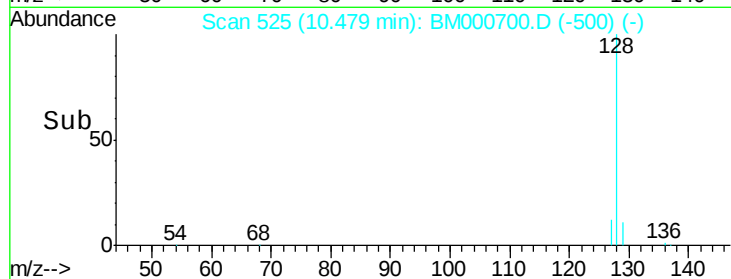
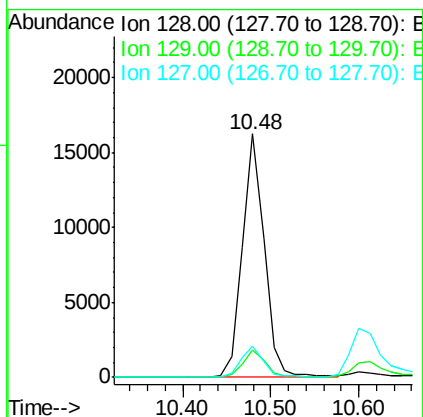
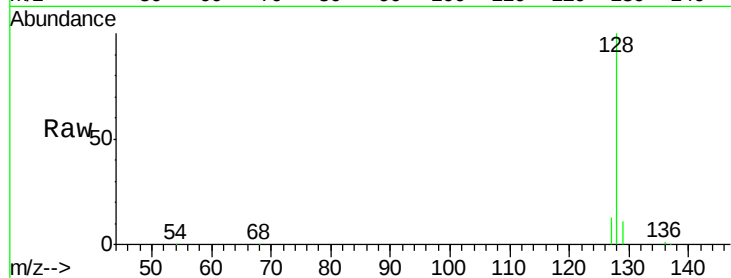




#3
Naphthalene
Concen: 0.83 ng/ul
RT: 10.48 min Scan# 525
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

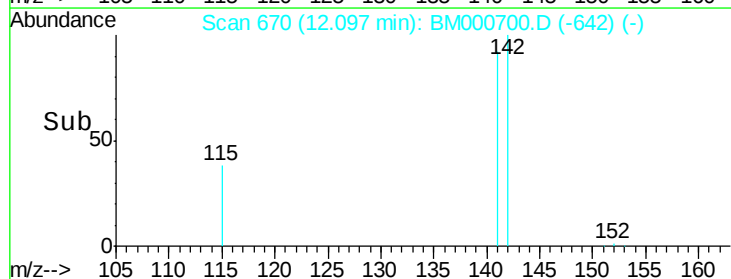
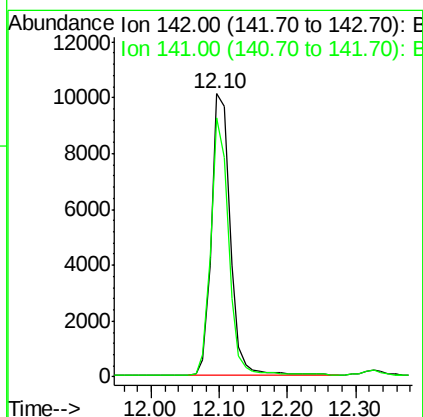
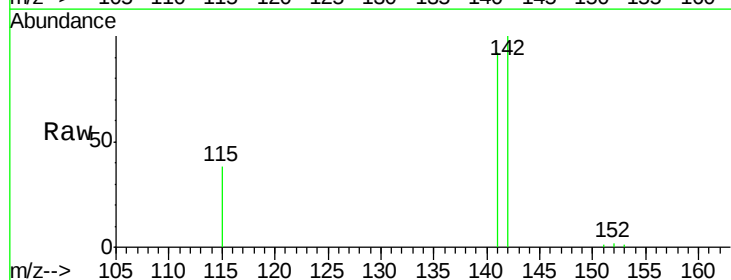
Instrument :
BNA_M
ClientSampleId :

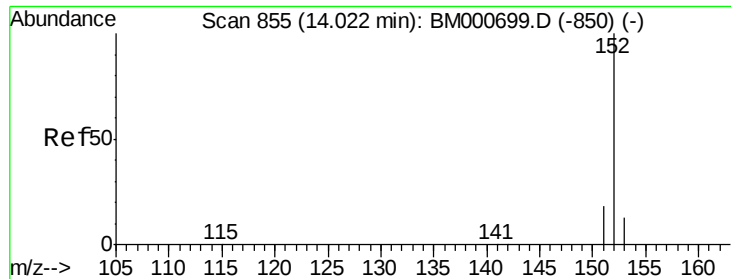
Tgt Ion:128 Resp: 27735
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.7 10.2 15.2



#5
2-Methylnaphthalene
Concen: 0.81 ng/ul
RT: 12.10 min Scan# 670
Delta R.T. -0.01 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Tgt Ion:142 Resp: 19036
Ion Ratio Lower Upper
142 100
141 87.7 70.5 105.7





#7

Acenaphthylene

Concen: 2.25 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

Instrument :

BNA_M

ClientSampleId :

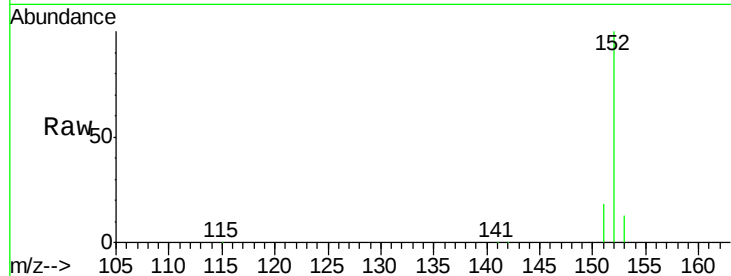
Tgt Ion:152 Resp: 26784

Ion Ratio Lower Upper

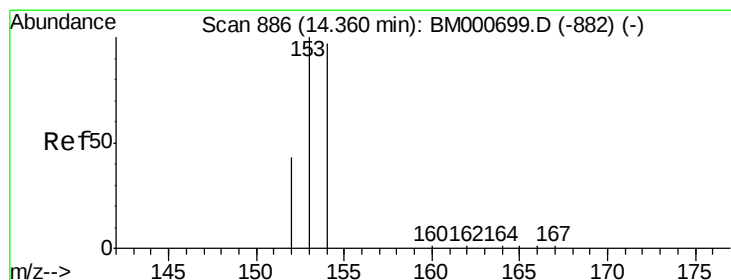
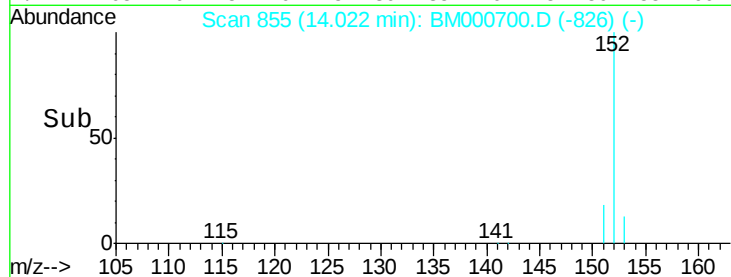
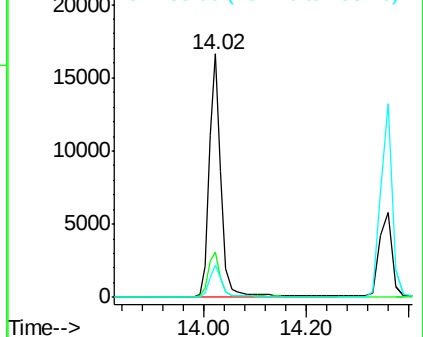
152 100

151 18.3 15.0 22.6

153 13.3 10.7 16.1



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: 2.25 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

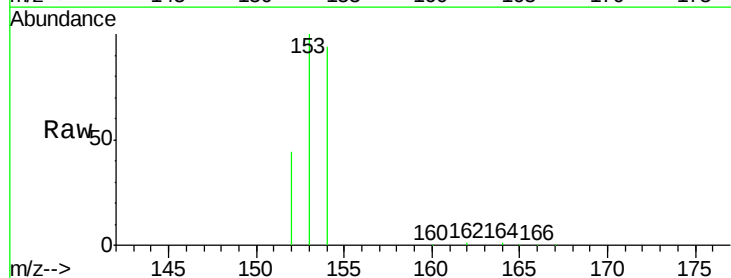
Tgt Ion:153 Resp: 20618

Ion Ratio Lower Upper

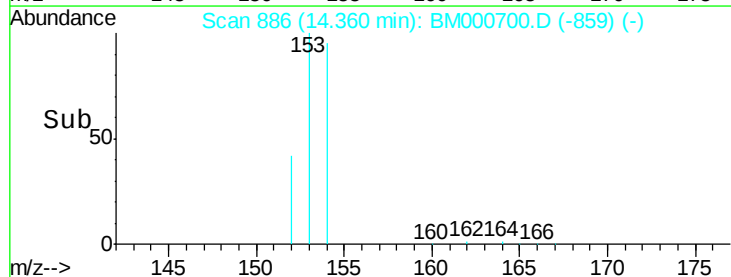
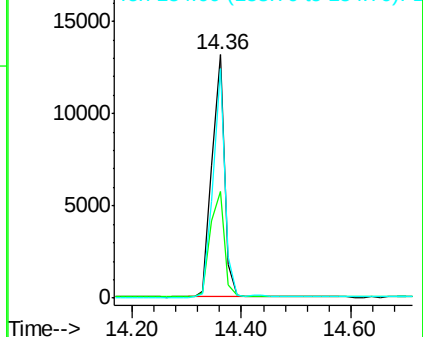
153 100

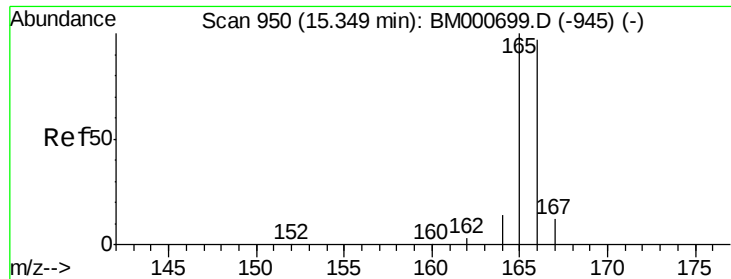
152 44.0 34.7 52.1

154 94.3 77.3 115.9



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

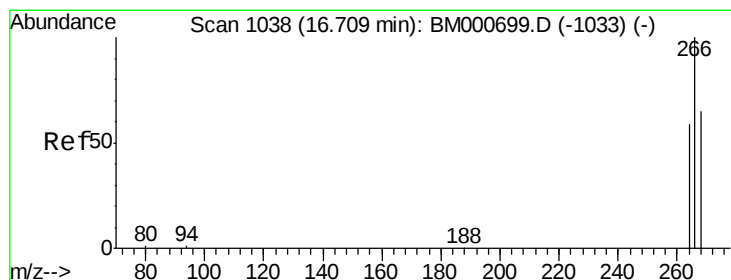
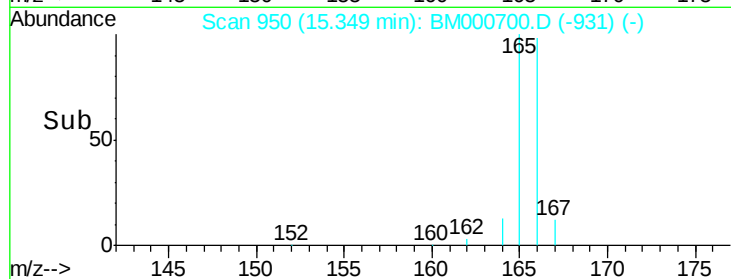
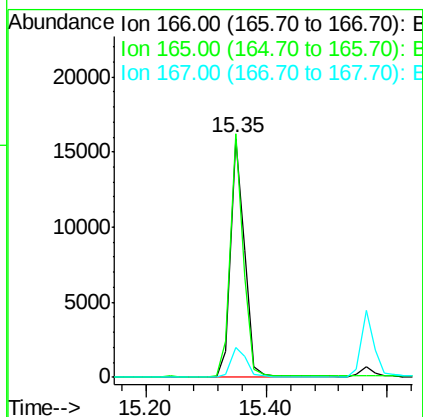
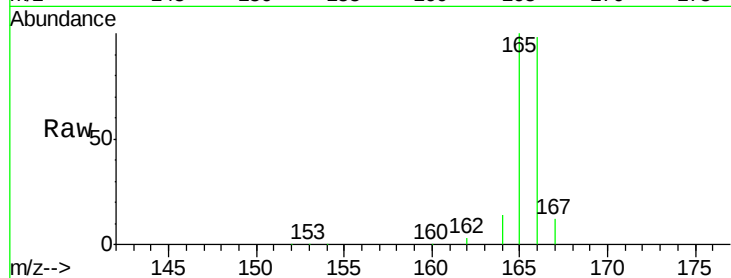




#9
Fluorene
 Concen: 2.22 ng/ul
 RT: 15.35 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BM000700.D
 Acq: 12 Mar 2015 15:41

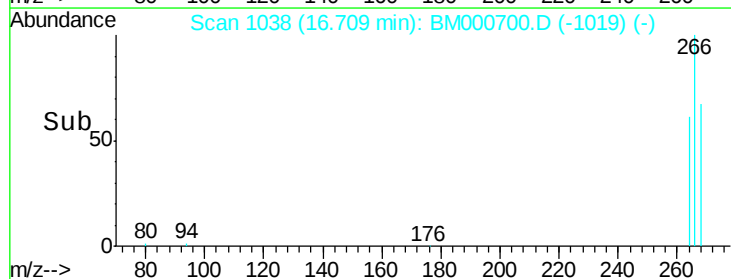
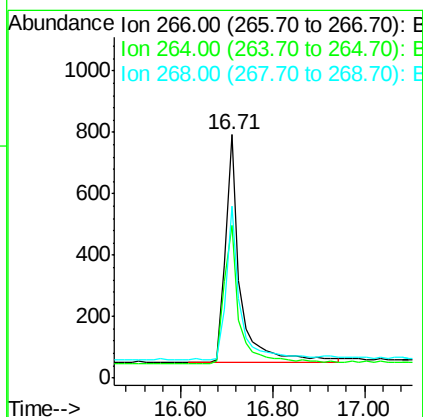
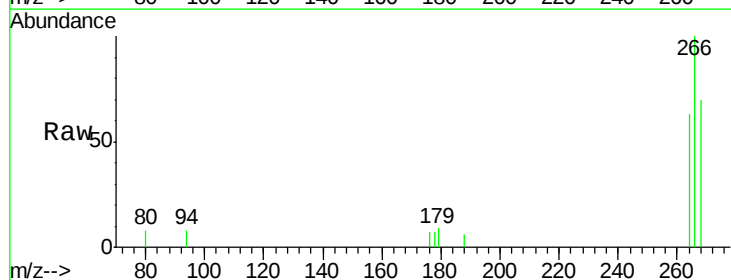
Instrument :
 BNA_M
 ClientSampleId :

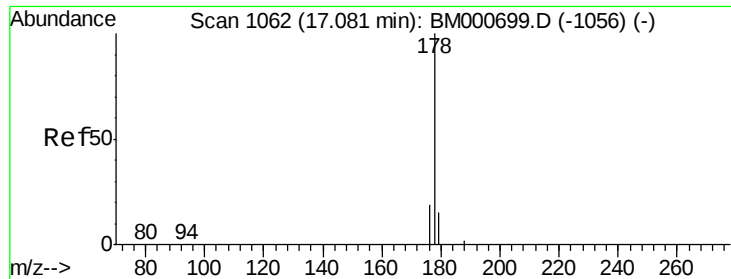
Tgt Ion:166 Resp: 25012
 Ion Ratio Lower Upper
 166 100
 165 102.1 83.0 124.4
 167 12.7 10.3 15.5



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000700.D
 Acq: 12 Mar 2015 15:41

Tgt Ion:266 Resp: 1634
 Ion Ratio Lower Upper
 266 100
 264 63.8 48.8 73.2
 268 64.1 51.7 77.5

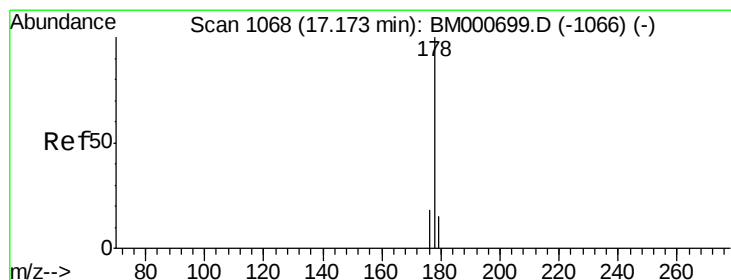
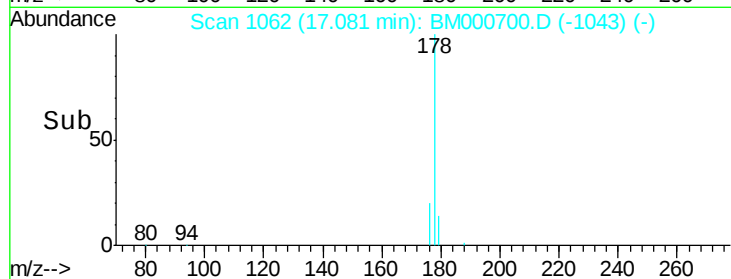
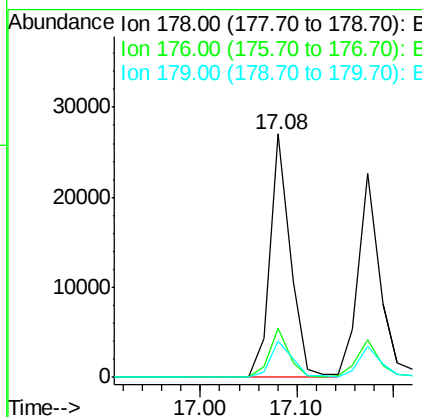
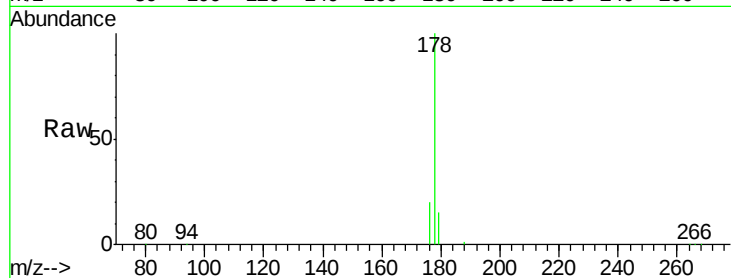




#12
Phenanthrene
Concen: 0.83 ng/ul
RT: 17.08 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

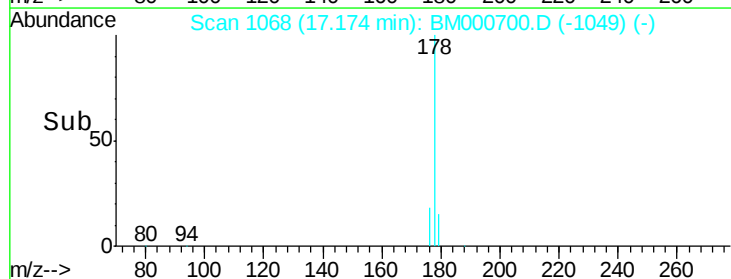
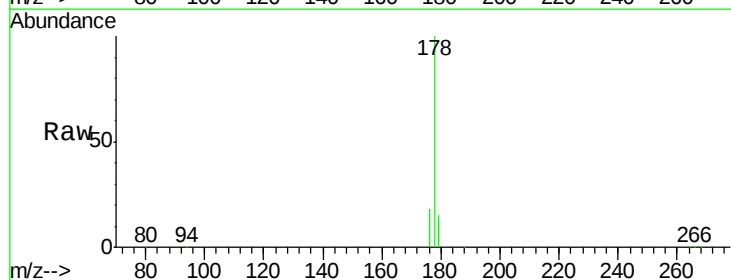
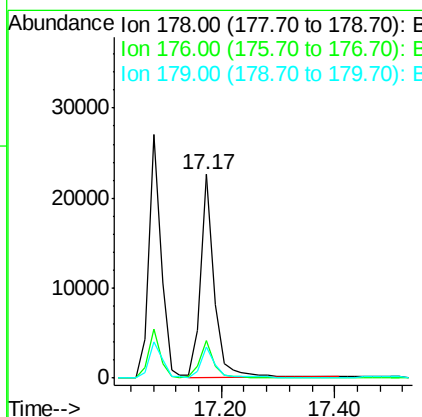
Instrument :
BNA_M
ClientSampleId :

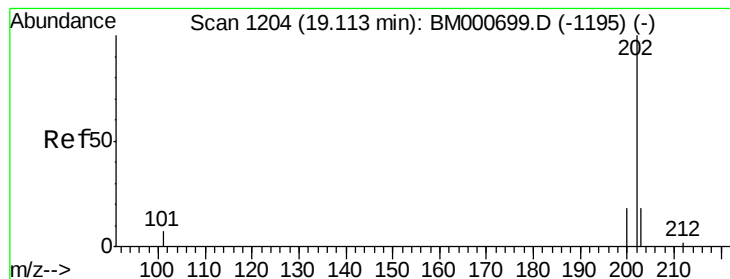
Tgt Ion:178 Resp: 40147
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 14.7 12.1 18.1



#13
Anthracene
Concen: 0.81 ng/ul
RT: 17.17 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Tgt Ion:178 Resp: 36767
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.1 12.2 18.2





#15

Fluoranthene

Concen: 0.86 ng/ul

RT: 19.11 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

Instrument :

BNA_M

ClientSampleId :

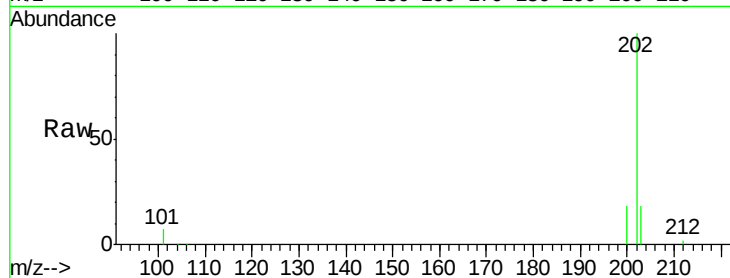
Tgt Ion:202 Resp: 47612

Ion Ratio Lower Upper

202 100

101 7.2 0.0 27.4

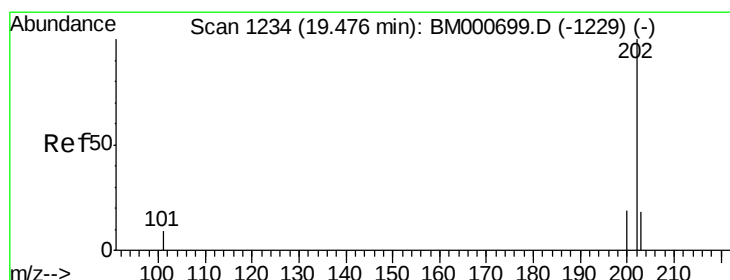
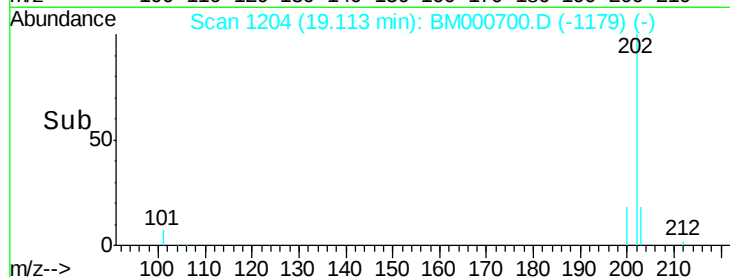
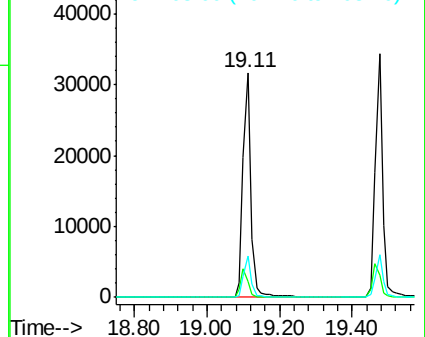
203 18.2 0.0 38.1



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



#17

Pyrene

Concen: 0.66 ng/ul

RT: 19.48 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

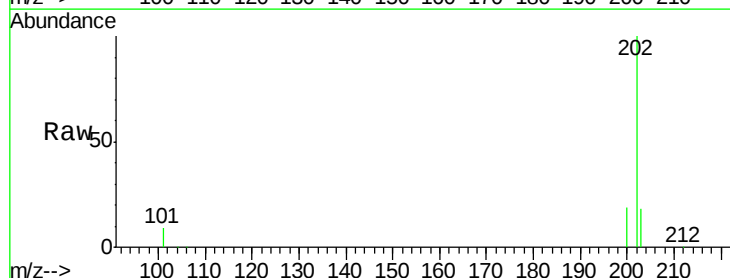
Tgt Ion:202 Resp: 48667

Ion Ratio Lower Upper

202 100

200 19.1 15.5 23.3

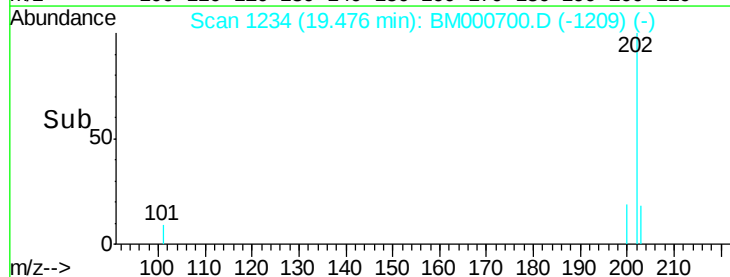
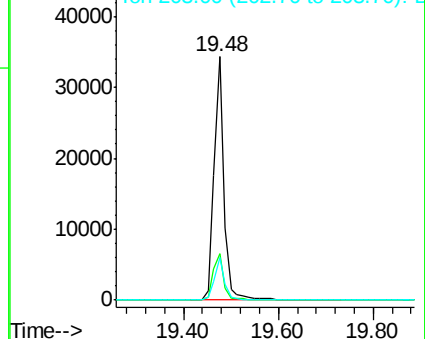
203 17.8 14.4 21.6

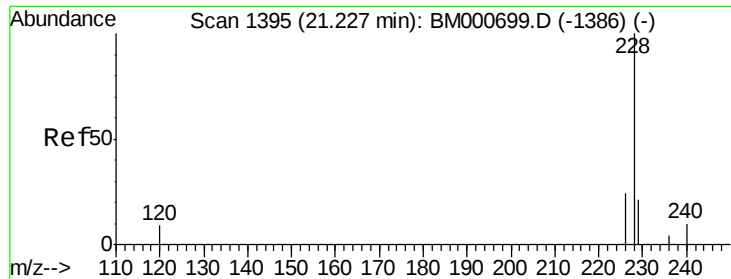


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.80 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

Instrument :

BNA_M

ClientSampleId :

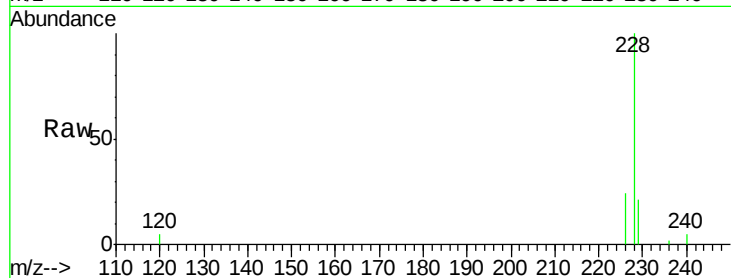
Tgt Ion:228 Resp: 42060

Ion Ratio Lower Upper

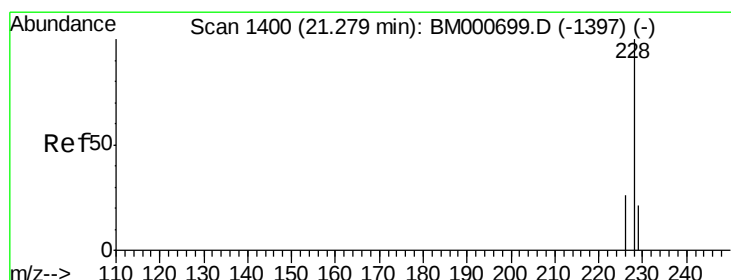
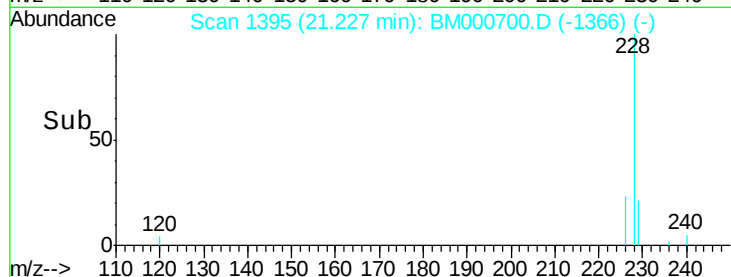
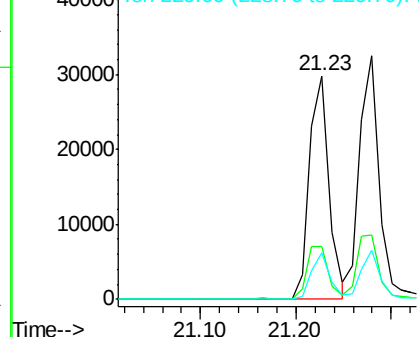
228 100

226 23.6 19.1 28.7

229 20.7 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: 0.84 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

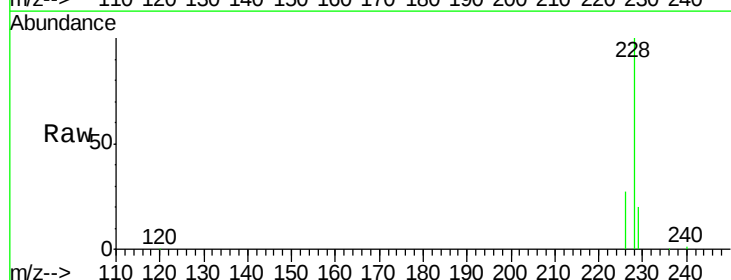
Tgt Ion:228 Resp: 48678

Ion Ratio Lower Upper

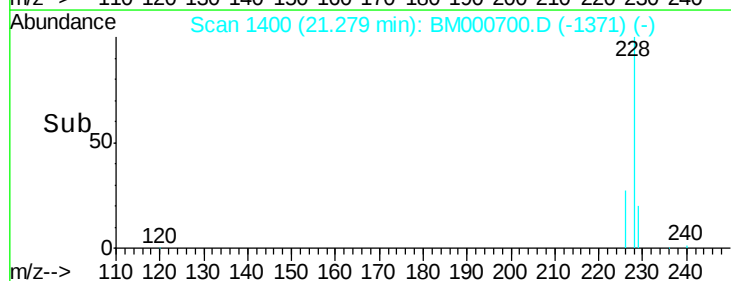
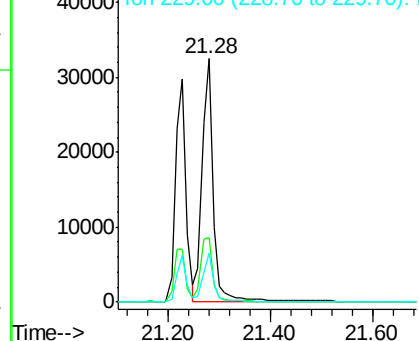
228 100

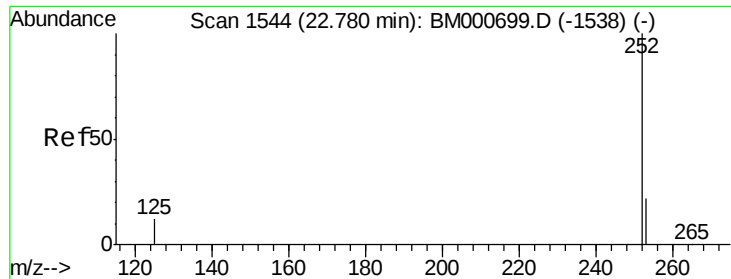
226 26.7 21.0 31.4

229 20.3 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

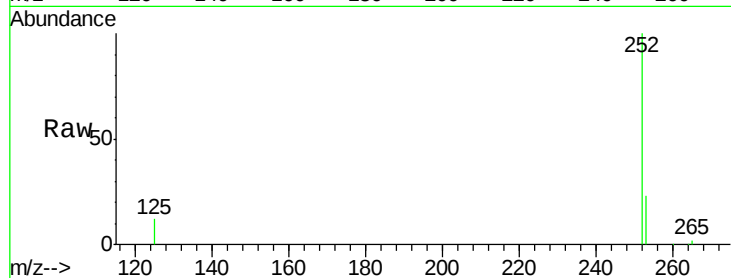




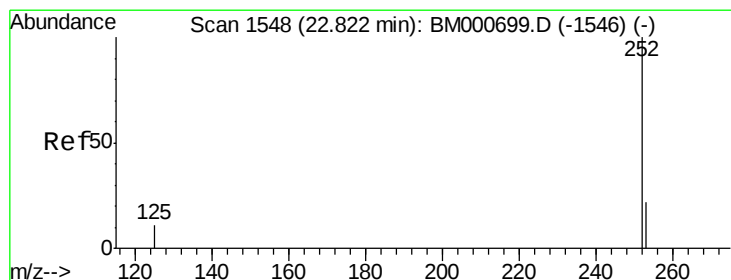
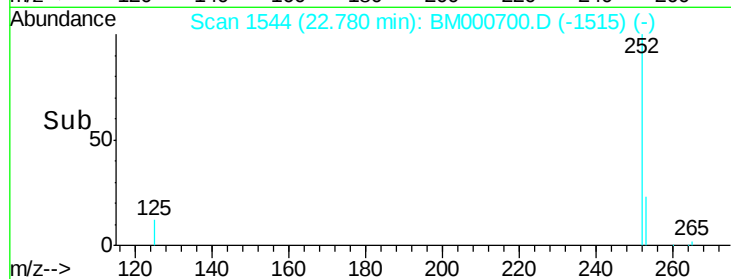
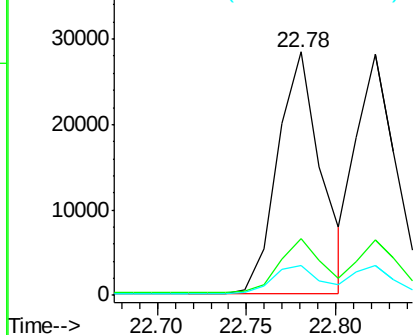
#21
Benzo(b)fluoranthene
Concen: 0.80 ng/u1
RT: 22.78 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 48100
Ion Ratio Lower Upper
252 100
253 23.0 0.0 49.6
125 12.4 0.0 25.4

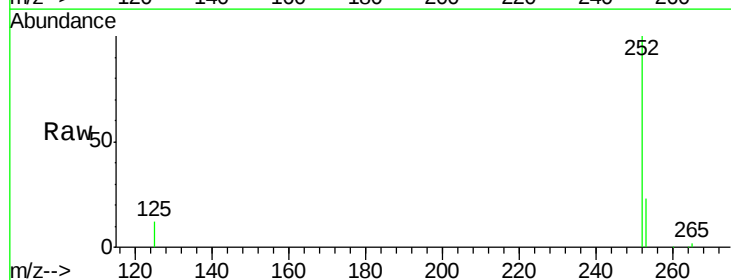


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

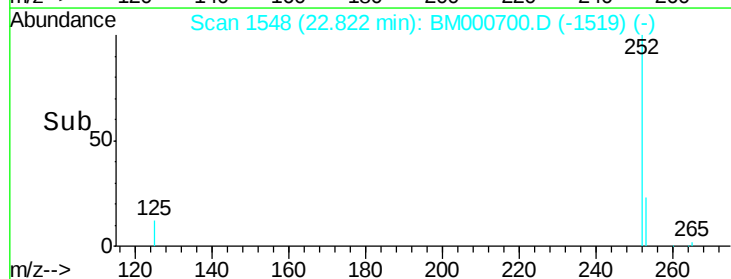
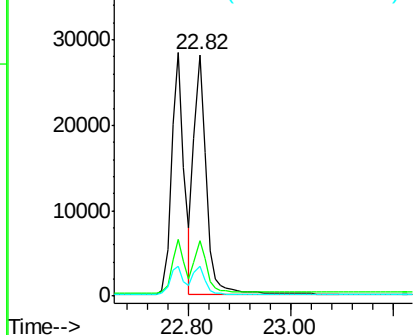


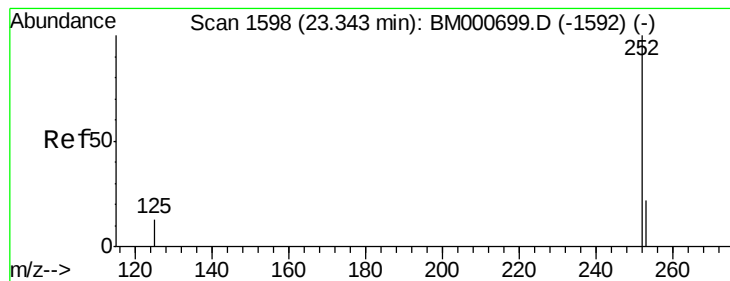
#22
Benzo(k)fluoranthene
Concen: 0.79 ng/u1
RT: 22.82 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Tgt Ion:252 Resp: 46940
Ion Ratio Lower Upper
252 100
253 22.8 19.4 29.0
125 12.4 10.1 15.1



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: 0.82 ng/ul

RT: 23.34 min Scan# 1598

Delta R.T. 0.00 min

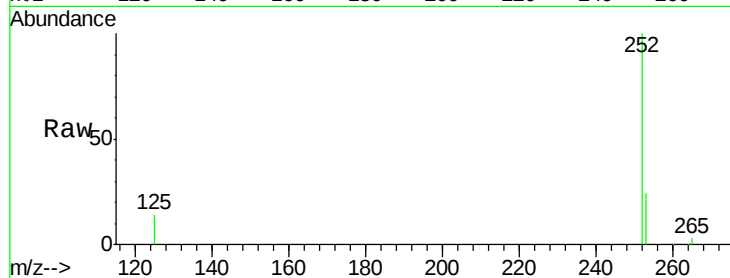
Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

Instrument :

BNA_M

ClientSampleId :



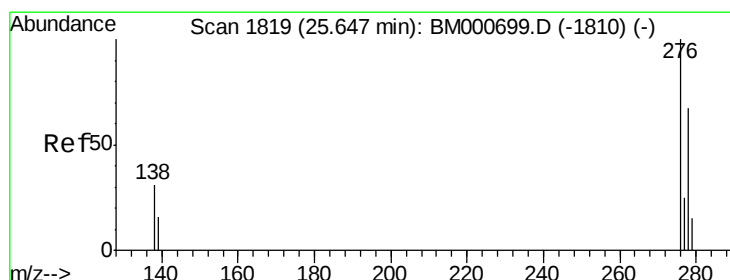
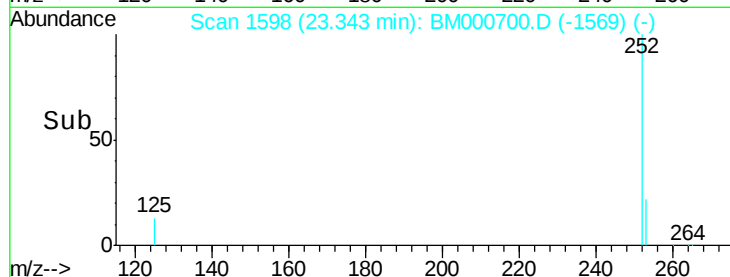
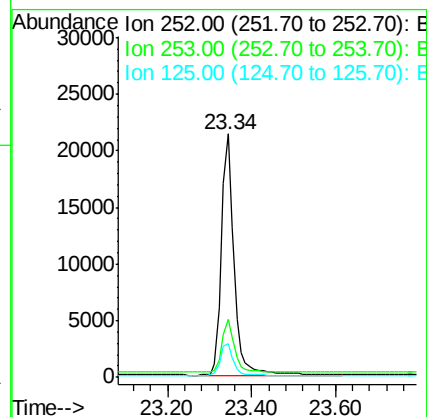
Tgt Ion:252 Resp: 44365

Ion Ratio Lower Upper

252 100

253 23.7 20.9 31.3

125 13.8 11.4 17.0



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.99 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM000700.D

Acq: 12 Mar 2015 15:41

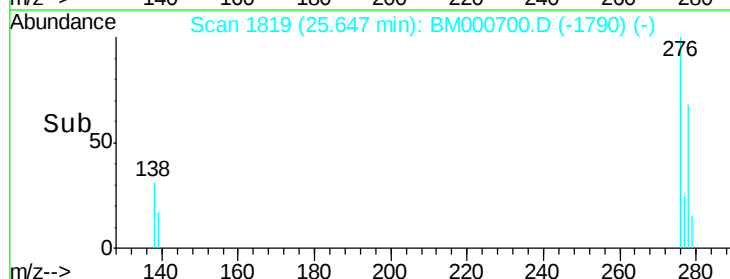
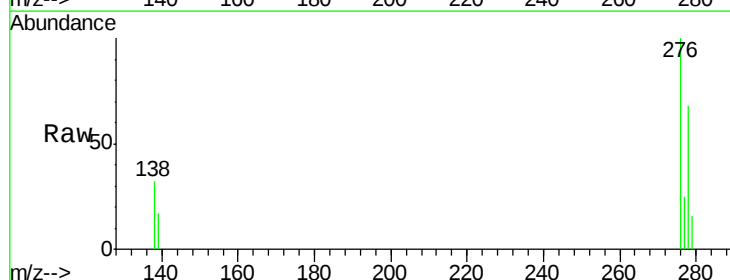
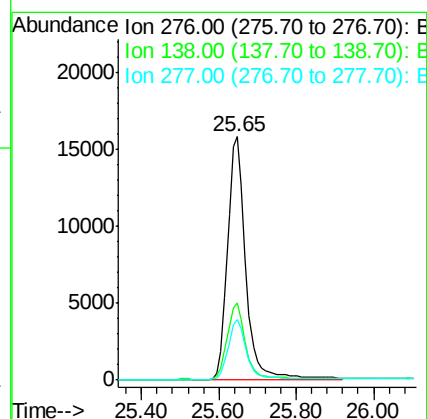
Tgt Ion:276 Resp: 51484

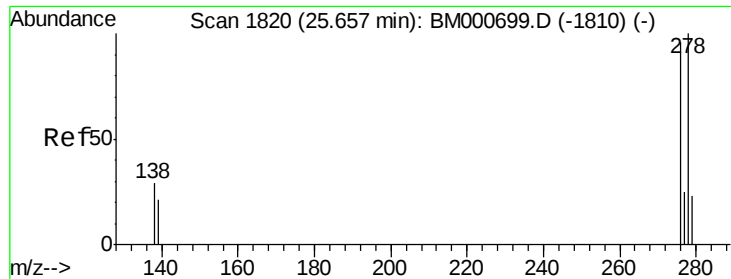
Ion Ratio Lower Upper

276 100

138 31.8 25.6 38.4

277 24.7 19.7 29.5



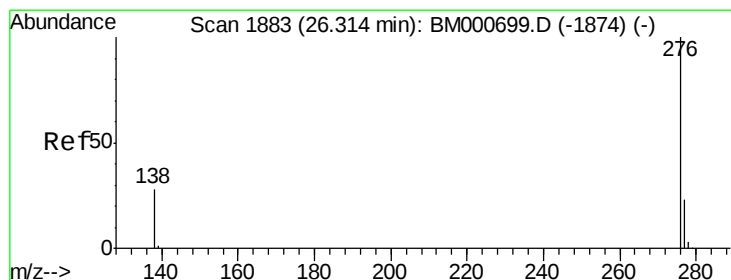
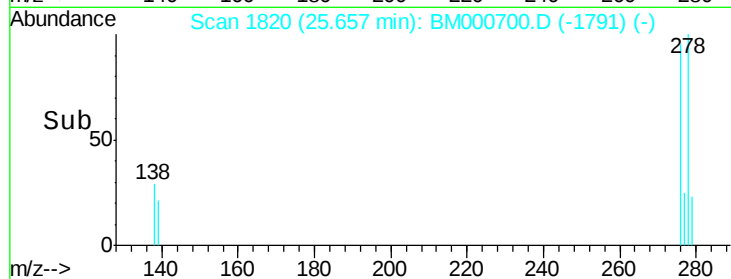
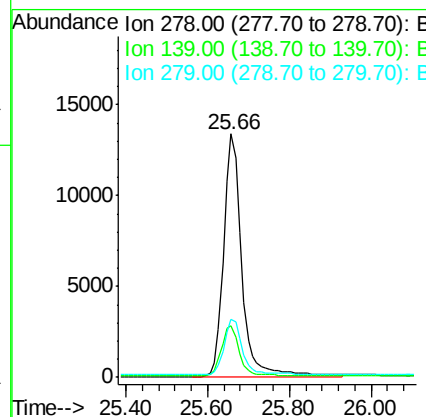
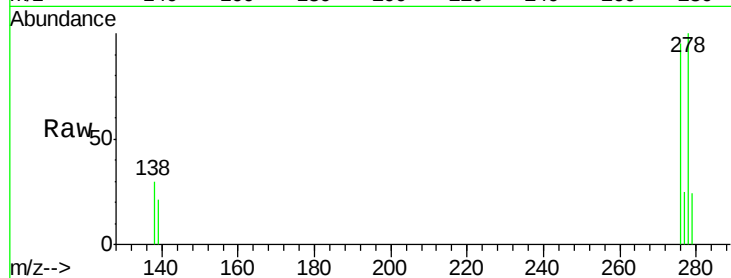


#25
Dibenzo(a,h)anthracene
Concen: 1.00 ng/ul
RT: 25.66 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 41315

Ion	Ratio	Lower	Upper
278	100		
139	21.3	17.4	26.2
279	23.8	20.0	30.0



#26
Benzo(g,h,i)perylene
Concen: 0.99 ng/ul
RT: 26.31 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BM000700.D
Acq: 12 Mar 2015 15:41

Tgt Ion: 276 Resp: 45094

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	28.2	23.3	34.9

