

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031215\
 Data File : BM000702.D
 Acq On : 12 Mar 2015 16:52
 Operator : TP/IZ
 Sample : SSTD3.276
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 13 08:02:46 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	4684	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	17073	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	1806	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	21538	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	20456	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	16942	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	74771	3.22	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	165400	3.49	ng/ul	0.00

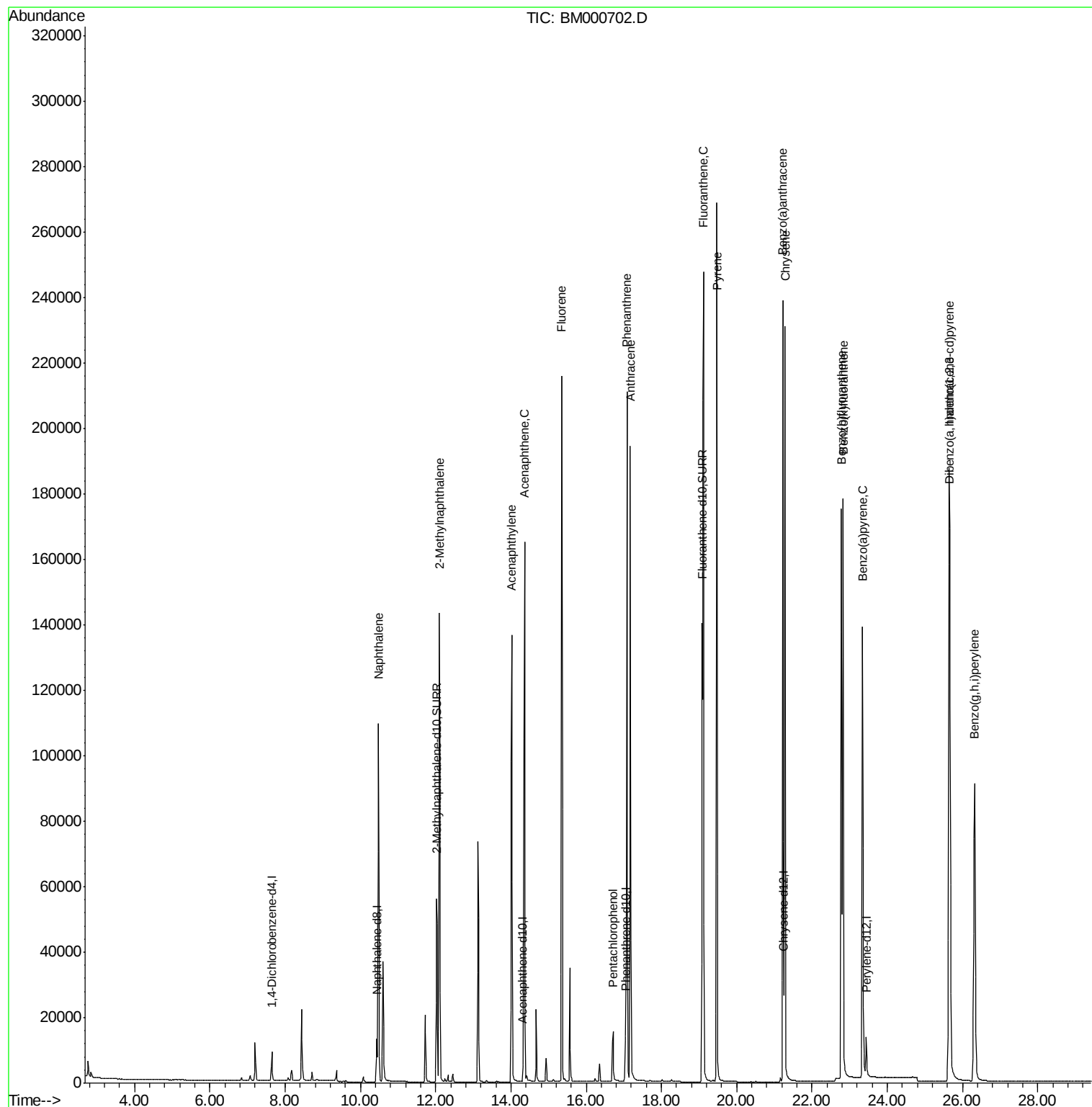
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	148142	3.35	ng/ul	99
5) 2-Methylnaphthalene	12.10	142	104557	3.35	ng/ul	99
7) Acenaphthylene	14.02	152	160811	13.10	ng/ul	99
8) Acenaphthene	14.36	153	113185	11.97	ng/ul	99
9) Fluorene	15.35	166	138520	11.92	ng/ul	99
11) Pentachlorophenol	16.71	266	14340	2.58	ng/ul	98
12) Phenanthrene	17.08	178	216680	3.44	ng/ul	99
13) Anthracene	17.17	178	211385	3.58	ng/ul	99
15) Fluoranthene	19.11	202	256319	3.56	ng/ul	99
17) Pyrene	19.48	202	258756	2.80	ng/ul	99
18) Benzo(a)anthracene	21.23	228	227223	3.47	ng/ul	99
19) Chrysene	21.28	228	233794	3.26	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	228849	3.53	ng/ul	96
22) Benzo(k)fluoranthene	22.82	252	207626	3.26	ng/ul	97
23) Benzo(a)pyrene	23.34	252	201035	3.45	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.65	276	212887	3.79	ng/ul	100
25) Dibenzo(a,h)anthracene	25.66	278	170429	3.82	ng/ul	97
26) Benzo(g,h,i)perylene	26.31	276	180337	3.69	ng/ul	98

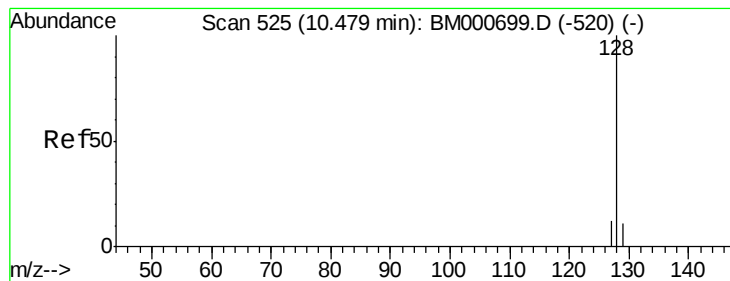
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.35 ng/ul

RT: 10.48 min Scan# 525

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampleId :

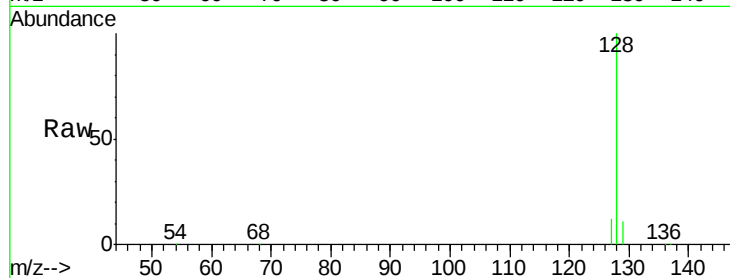
Tgt Ion:128 Resp: 148142

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

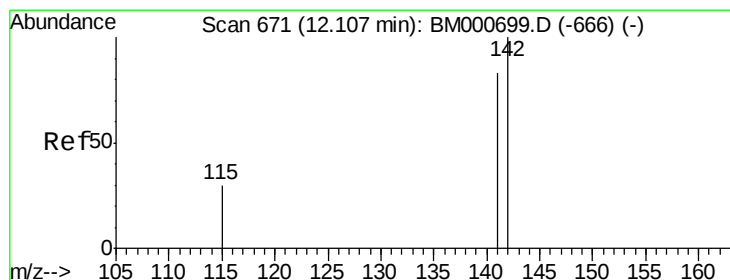
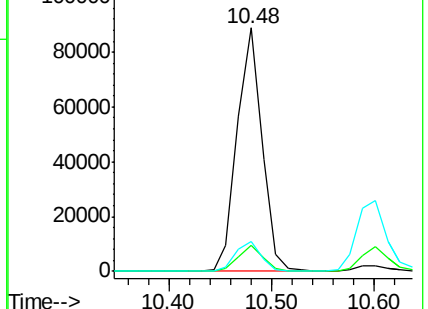
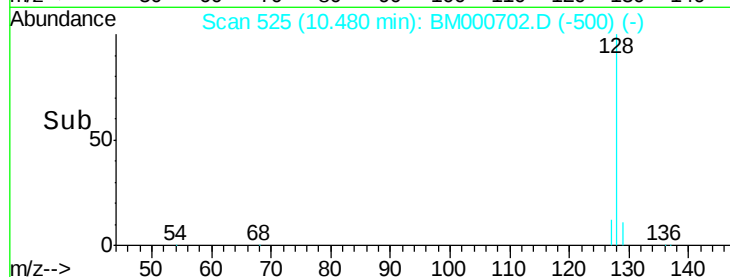
127 12.2 10.2 15.2



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: 3.35 ng/ul

RT: 12.10 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM000702.D

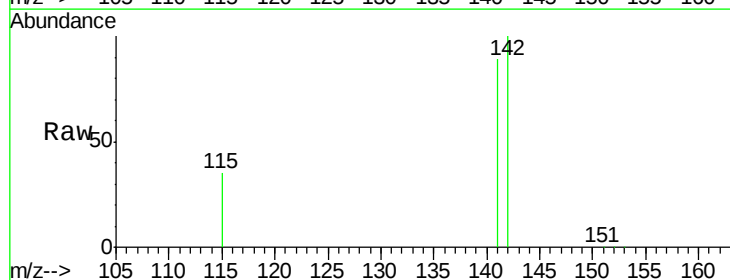
Acq: 12 Mar 2015 16:52

Tgt Ion:142 Resp: 104557

Ion Ratio Lower Upper

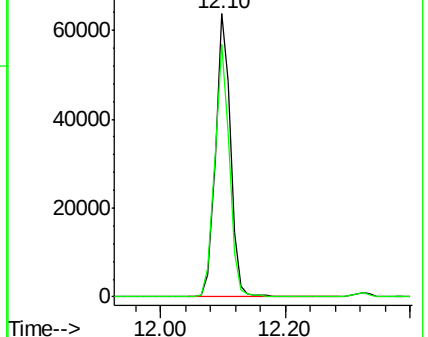
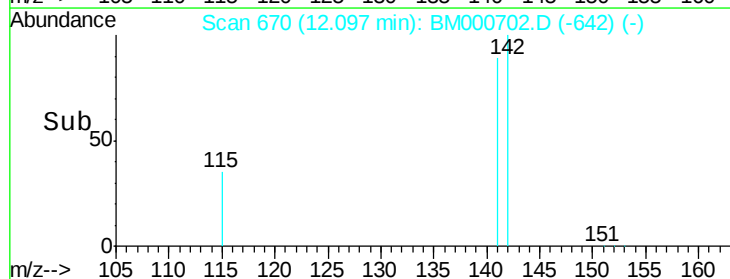
142 100

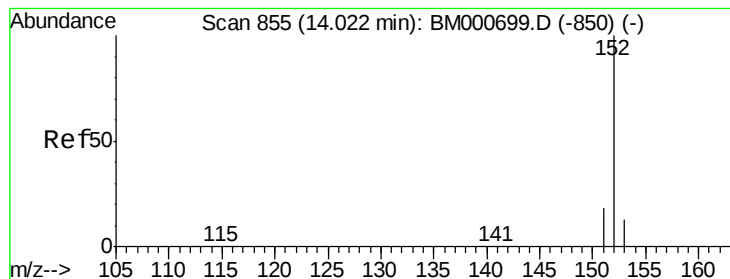
141 87.4 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 13.10 ng/ul

RT: 14.02 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampleId :

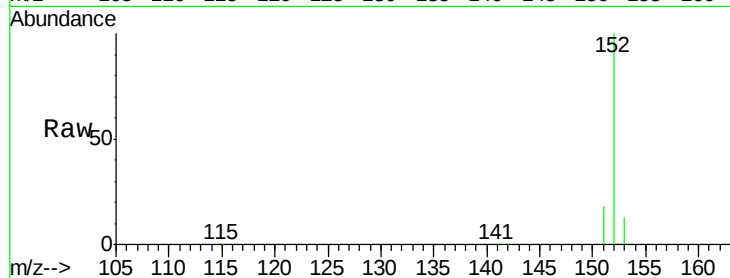
Tgt Ion:152 Resp: 160811

Ion Ratio Lower Upper

152 100

151 18.2 15.0 22.6

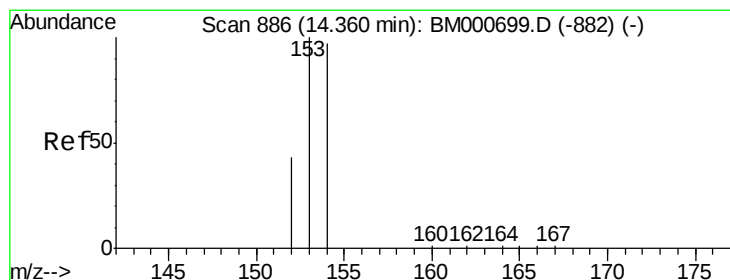
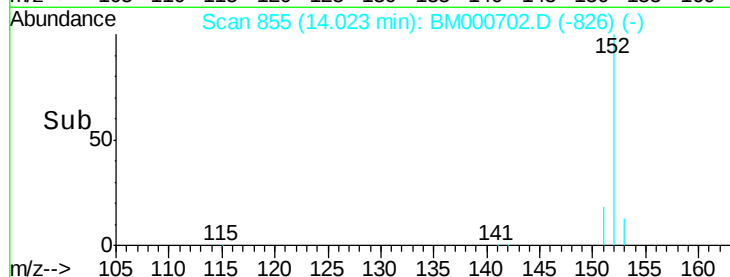
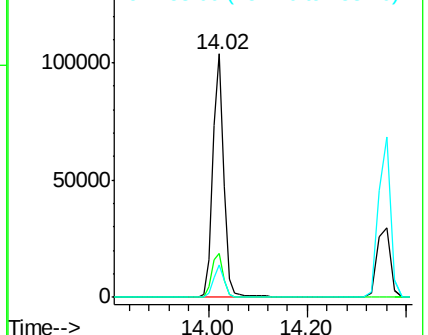
153 13.3 10.7 16.1



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: 11.97 ng/ul

RT: 14.36 min Scan# 886

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

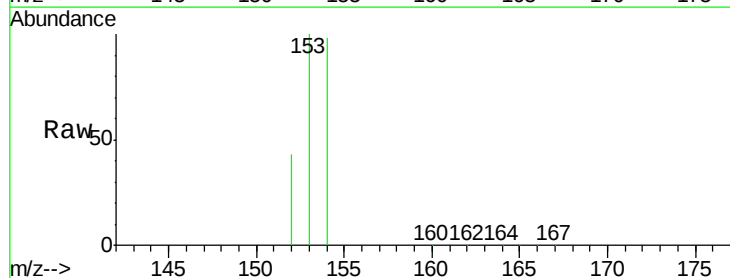
Tgt Ion:153 Resp: 113185

Ion Ratio Lower Upper

153 100

152 42.9 34.7 52.1

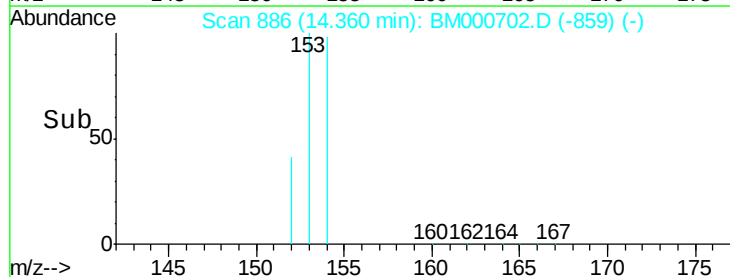
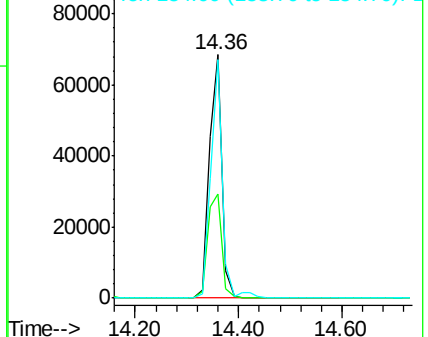
154 97.8 77.3 115.9

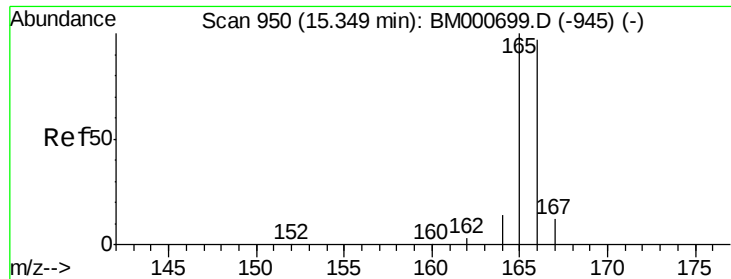


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

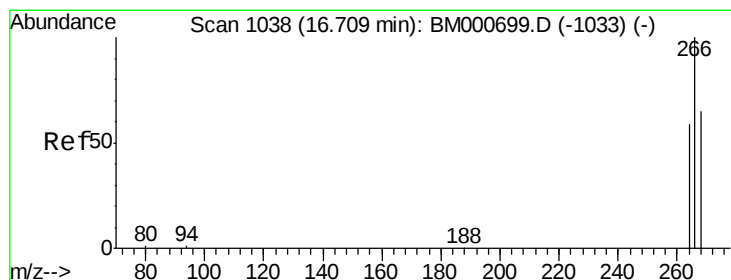
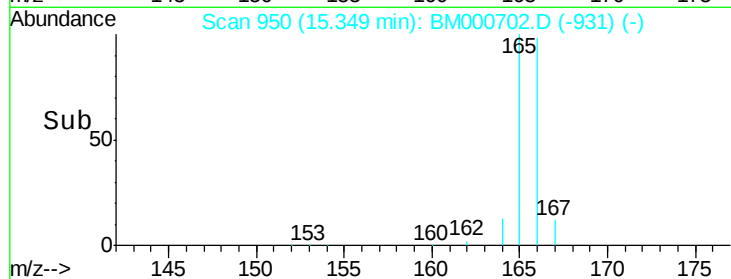
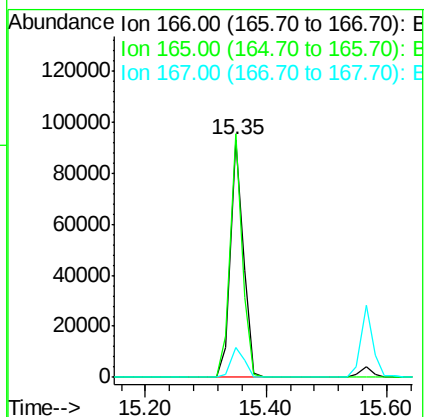
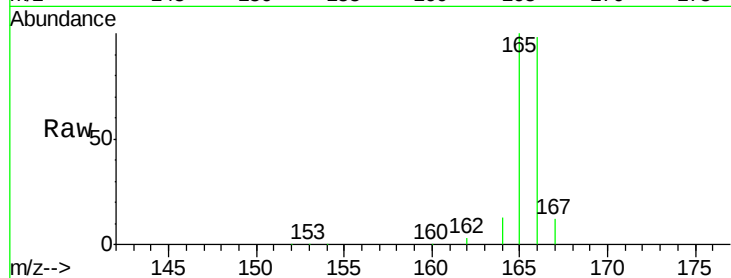




#9
Fluorene
 Concen: 11.92 ng/ul
 RT: 15.35 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BM000702.D
 Acq: 12 Mar 2015 16:52

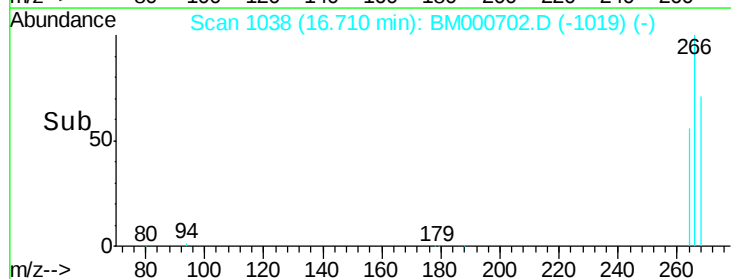
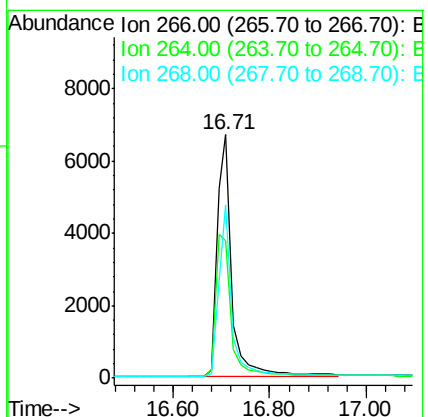
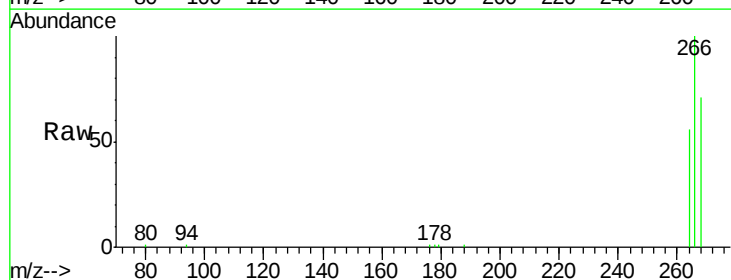
Instrument :
 BNA_M
 ClientSampleId :

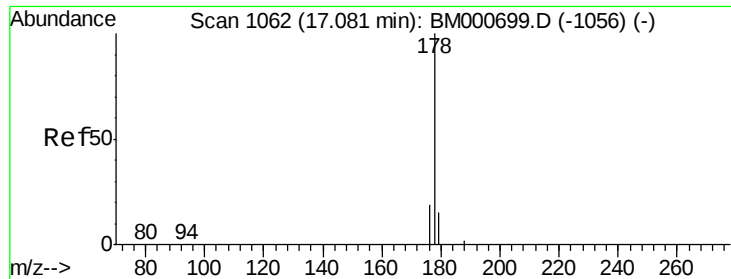
Tgt Ion:166 Resp: 138520
 Ion Ratio Lower Upper
 166 100
 165 102.4 83.0 124.4
 167 12.4 10.3 15.5



#11
Pentachlorophenol
 Concen: 2.58 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BM000702.D
 Acq: 12 Mar 2015 16:52

Tgt Ion:266 Resp: 14340
 Ion Ratio Lower Upper
 266 100
 264 63.8 48.8 73.2
 268 63.7 51.7 77.5





#12

Phenanthrene

Concen: 3.44 ng/ul

RT: 17.08 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampleId :

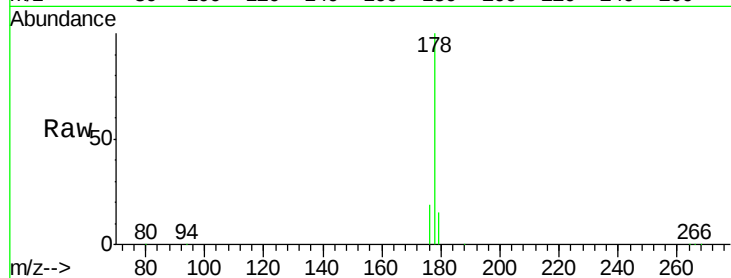
Tgt Ion:178 Resp: 216680

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

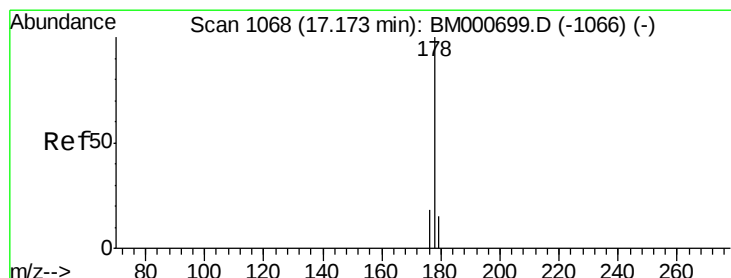
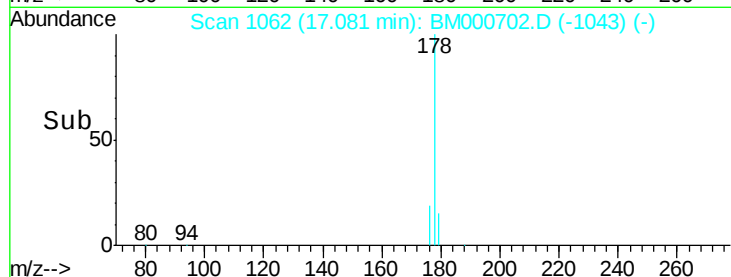
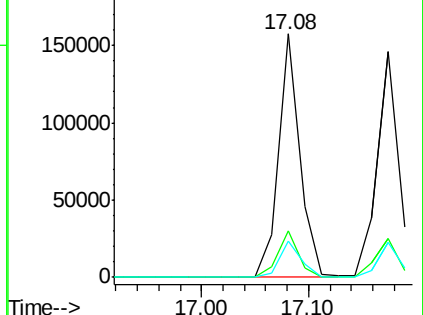
179 14.7 12.1 18.1



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: 3.58 ng/ul

RT: 17.17 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

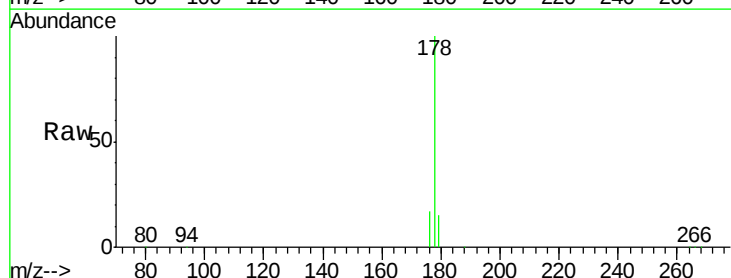
Tgt Ion:178 Resp: 211385

Ion Ratio Lower Upper

178 100

176 17.4 14.6 22.0

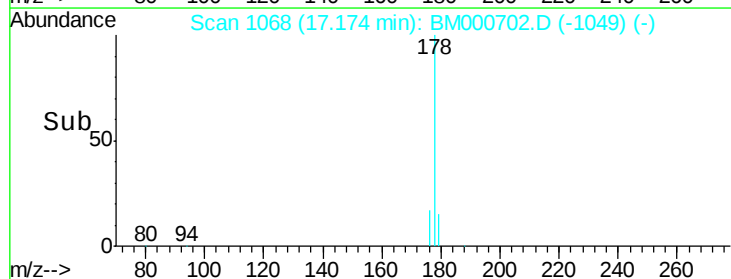
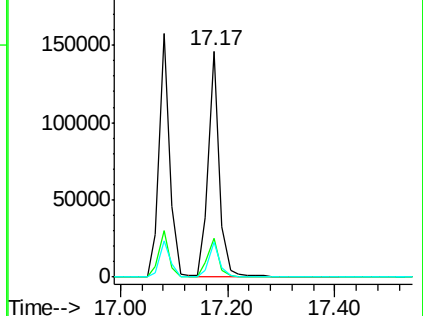
179 15.3 12.2 18.2

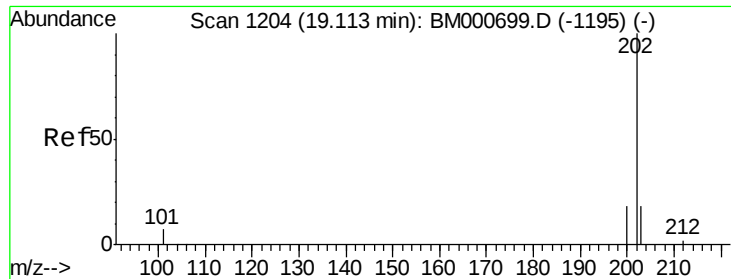


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

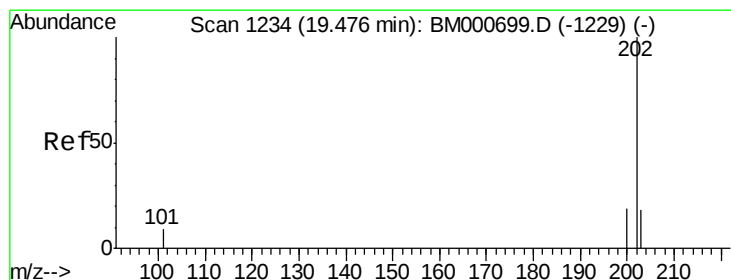
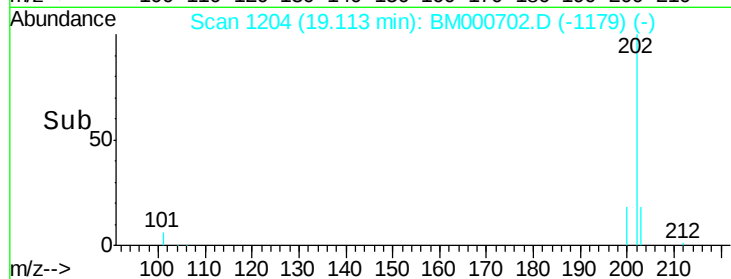
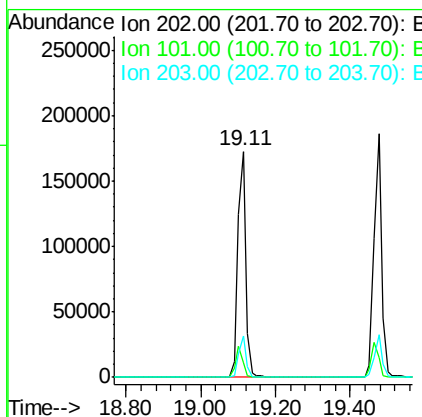
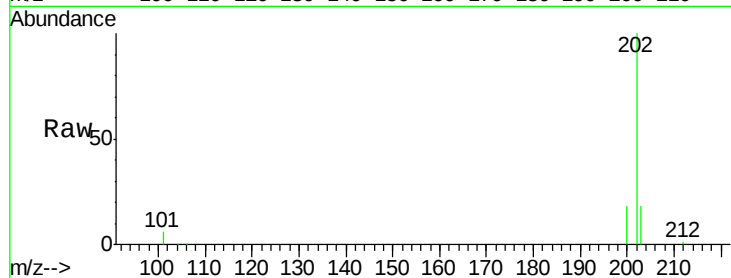




#15
 Fluoranthene
 Concen: 3.56 ng/ul
 RT: 19.11 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BM000702.D
 Acq: 12 Mar 2015 16:52

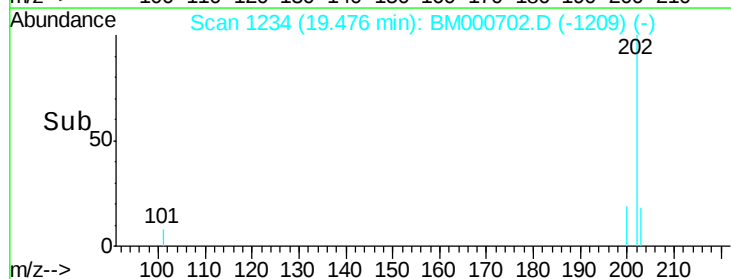
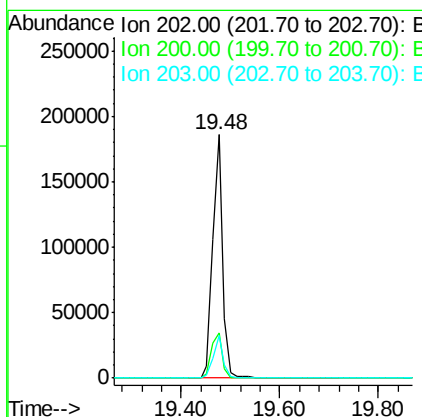
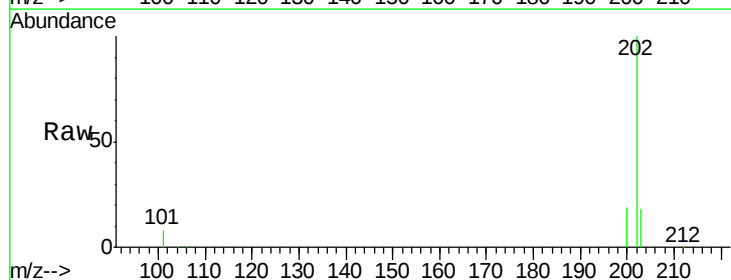
Instrument :
 BNA_M
 ClientSampleId :

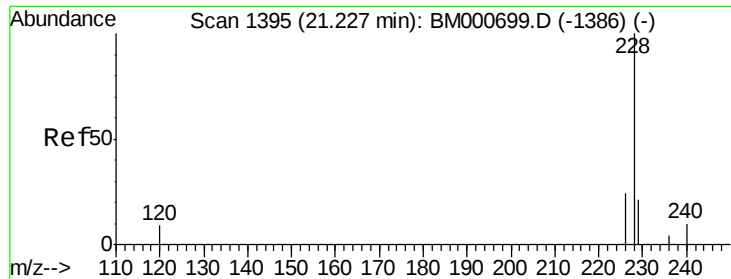
Tgt Ion: 202 Resp: 256319
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 27.4
 203 18.1 0.0 38.1



#17
 Pyrene
 Concen: 2.80 ng/ul
 RT: 19.48 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BM000702.D
 Acq: 12 Mar 2015 16:52

Tgt Ion: 202 Resp: 258756
 Ion Ratio Lower Upper
 202 100
 200 18.6 15.5 23.3
 203 17.7 14.4 21.6





#18

Benzo(a)anthracene

Concen: 3.47 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampleId :

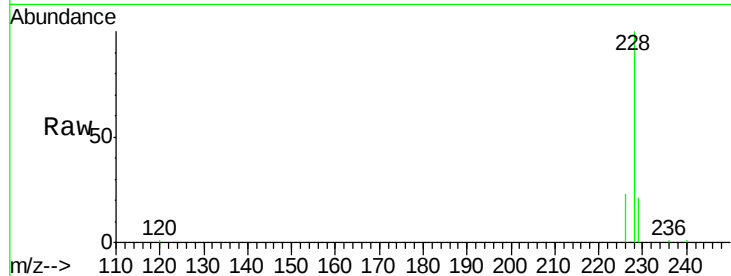
Tgt Ion:228 Resp: 227223

Ion Ratio Lower Upper

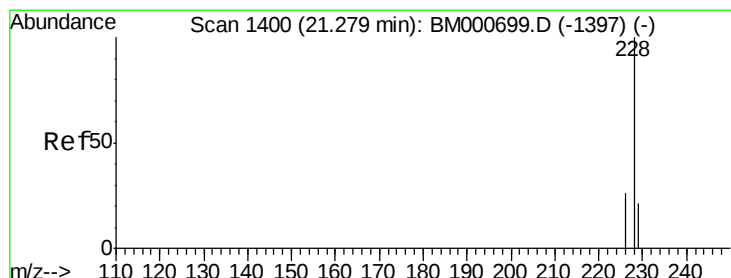
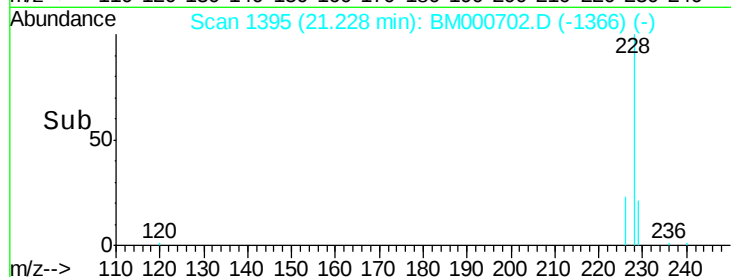
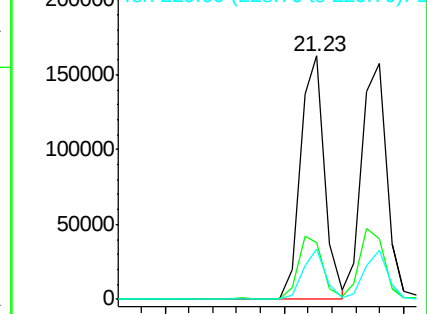
228 100

226 23.2 19.1 28.7

229 20.6 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: 3.26 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

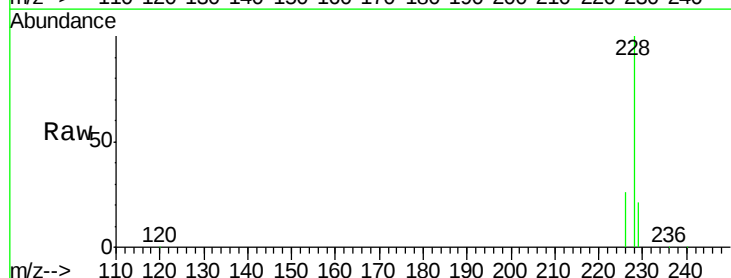
Tgt Ion:228 Resp: 233794

Ion Ratio Lower Upper

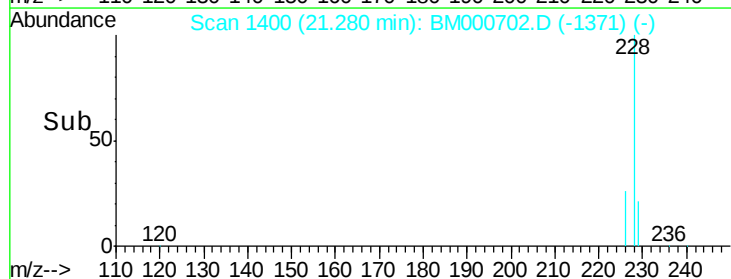
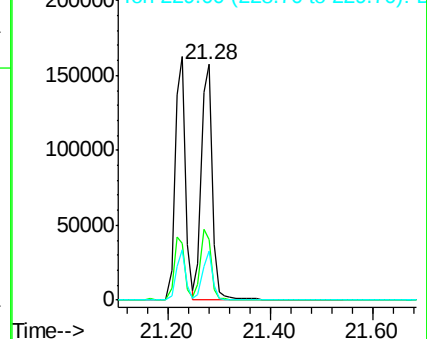
228 100

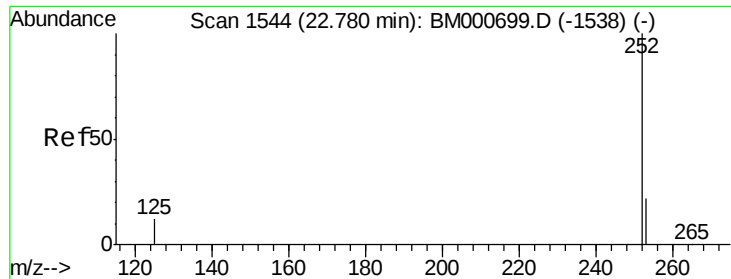
226 25.7 21.0 31.4

229 20.9 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: 3.53 ng/u1

RT: 22.78 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM000702.D

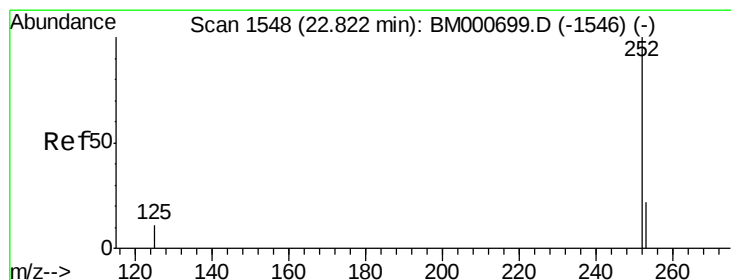
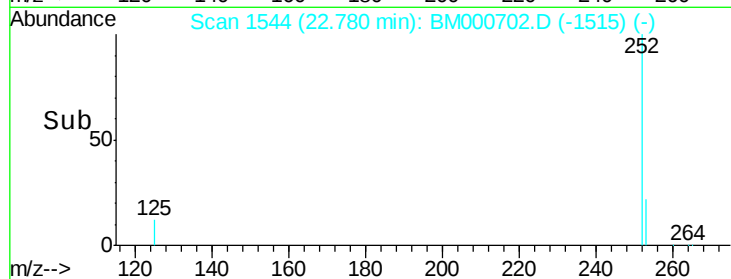
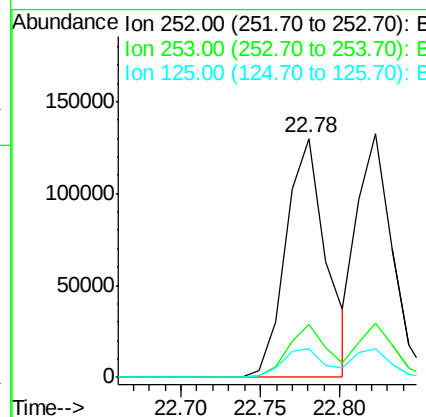
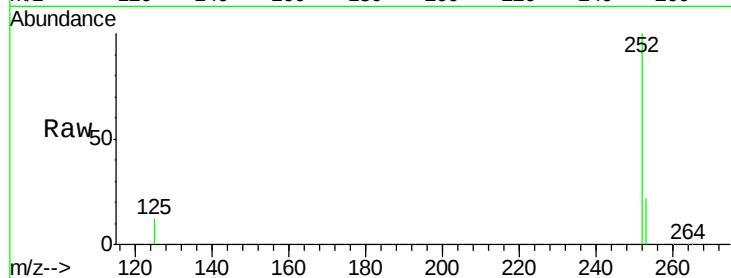
Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	252	Resp:	228849
Ion Ratio	Lower	Upper	
252	100		
253	22.3	0.0	49.6
125	11.8	0.0	25.4



#22

Benzo(k)fluoranthene

Concen: 3.26 ng/u1

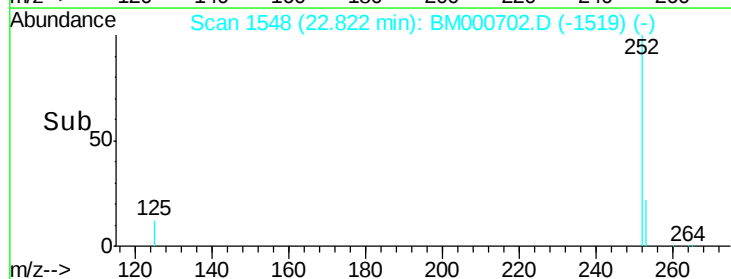
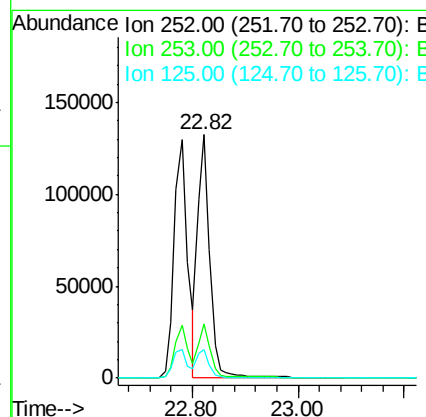
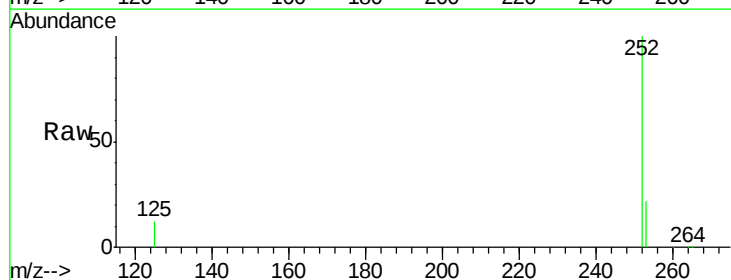
RT: 22.82 min Scan# 1548

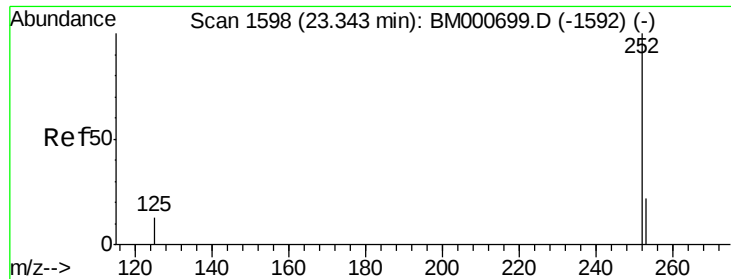
Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Tgt Ion:	252	Resp:	207626
Ion Ratio	Lower	Upper	
252	100		
253	22.2	19.4	29.0
125	11.9	10.1	15.1





#23

Benzo(a)pyrene

Concen: 3.45 ng/ul

RT: 23.34 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

Instrument :

BNA_M

ClientSampled :

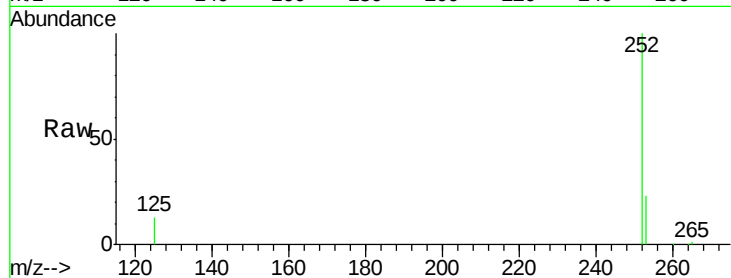
Tgt Ion: 252 Resp: 201035

Ion Ratio Lower Upper

252 100

253 22.7 20.9 31.3

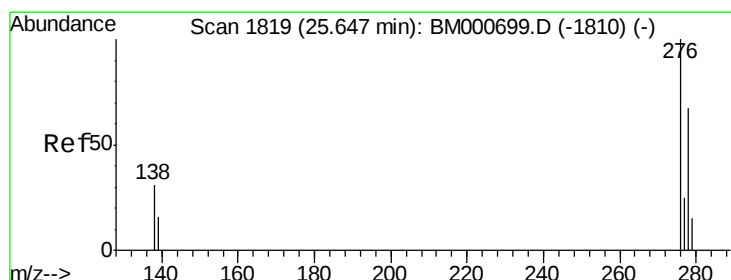
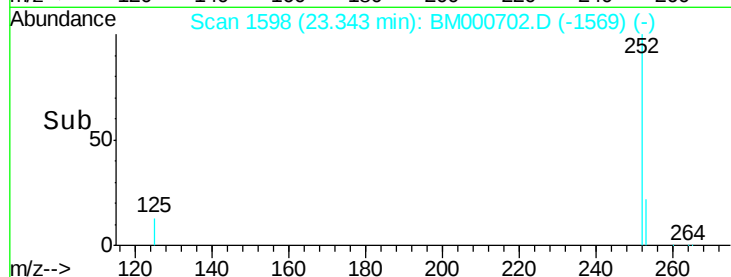
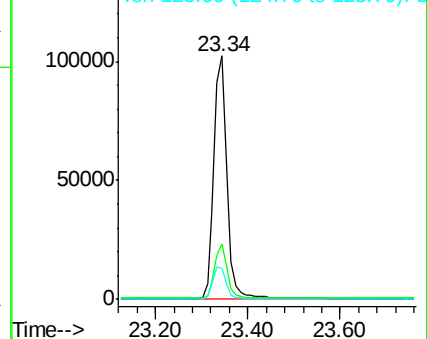
125 12.8 11.4 17.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.79 ng/ul

RT: 25.65 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM000702.D

Acq: 12 Mar 2015 16:52

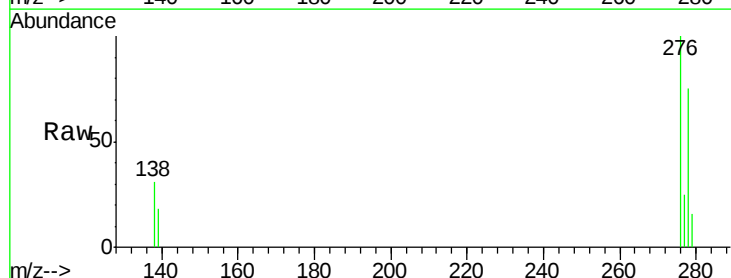
Tgt Ion: 276 Resp: 212887

Ion Ratio Lower Upper

276 100

138 32.0 25.6 38.4

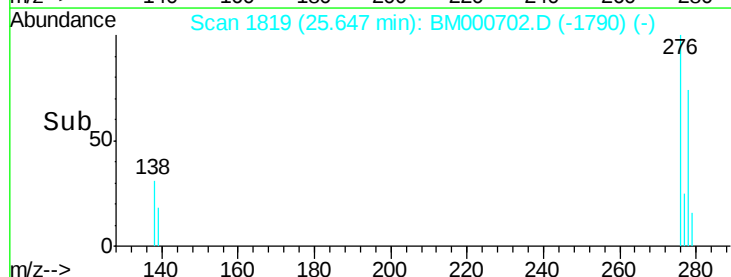
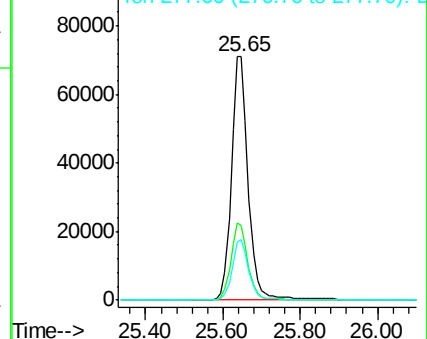
277 24.6 19.7 29.5

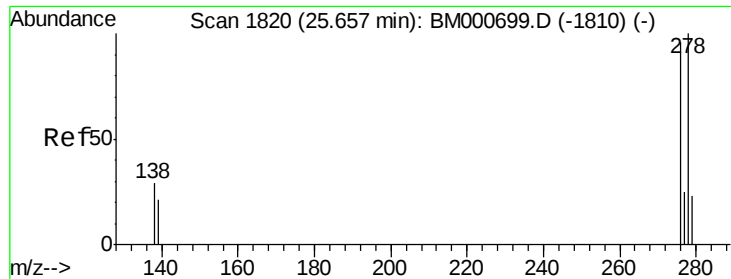


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



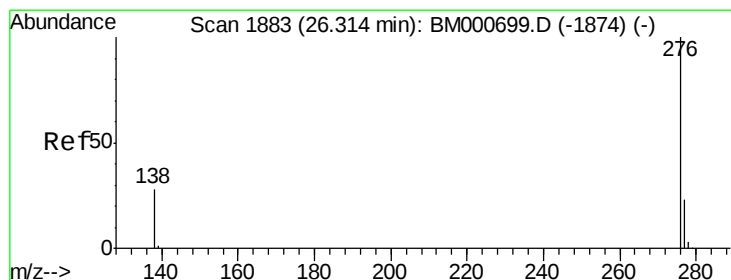
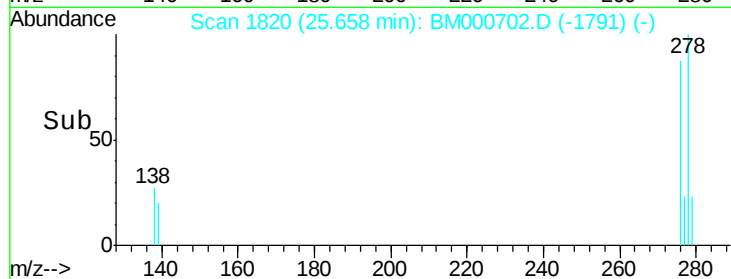
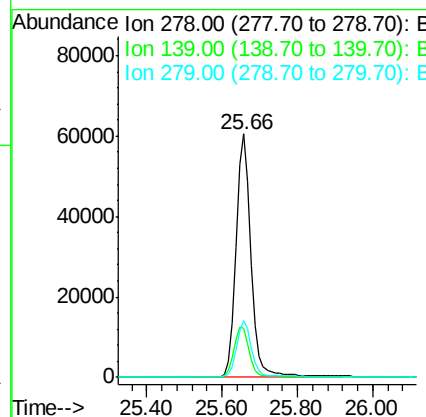
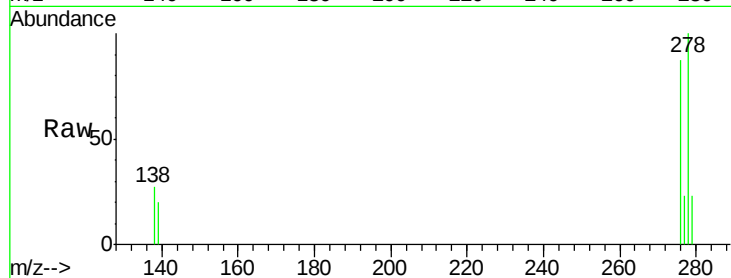


#25
Dibenzo(a,h)anthracene
Concen: 3.82 ng/ul
RT: 25.66 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM000702.D
Acq: 12 Mar 2015 16:52

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 170429

Ion	Ratio	Lower	Upper
278	100		
139	20.2	17.4	26.2
279	23.3	20.0	30.0



#26
Benzo(g,h,i)perylene
Concen: 3.69 ng/ul
RT: 26.31 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BM000702.D
Acq: 12 Mar 2015 16:52

Tgt Ion: 276 Resp: 180337

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	27.9	23.3	34.9

