

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032015\
 Data File : BM000743.D
 Acq On : 20 Mar 2015 16:41
 Operator : TP/IZ
 Sample : SSTD0.404
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.404

Quant Time: Mar 21 03:14:08 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 21 04:02:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3266	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	10984	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	5870	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	11003	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	9292	0.40	ng/ul	0.01
20) Perylene-d12	23.42	264	8416	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	5647	0.45	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	9694	0.44	ng/ul	0.01

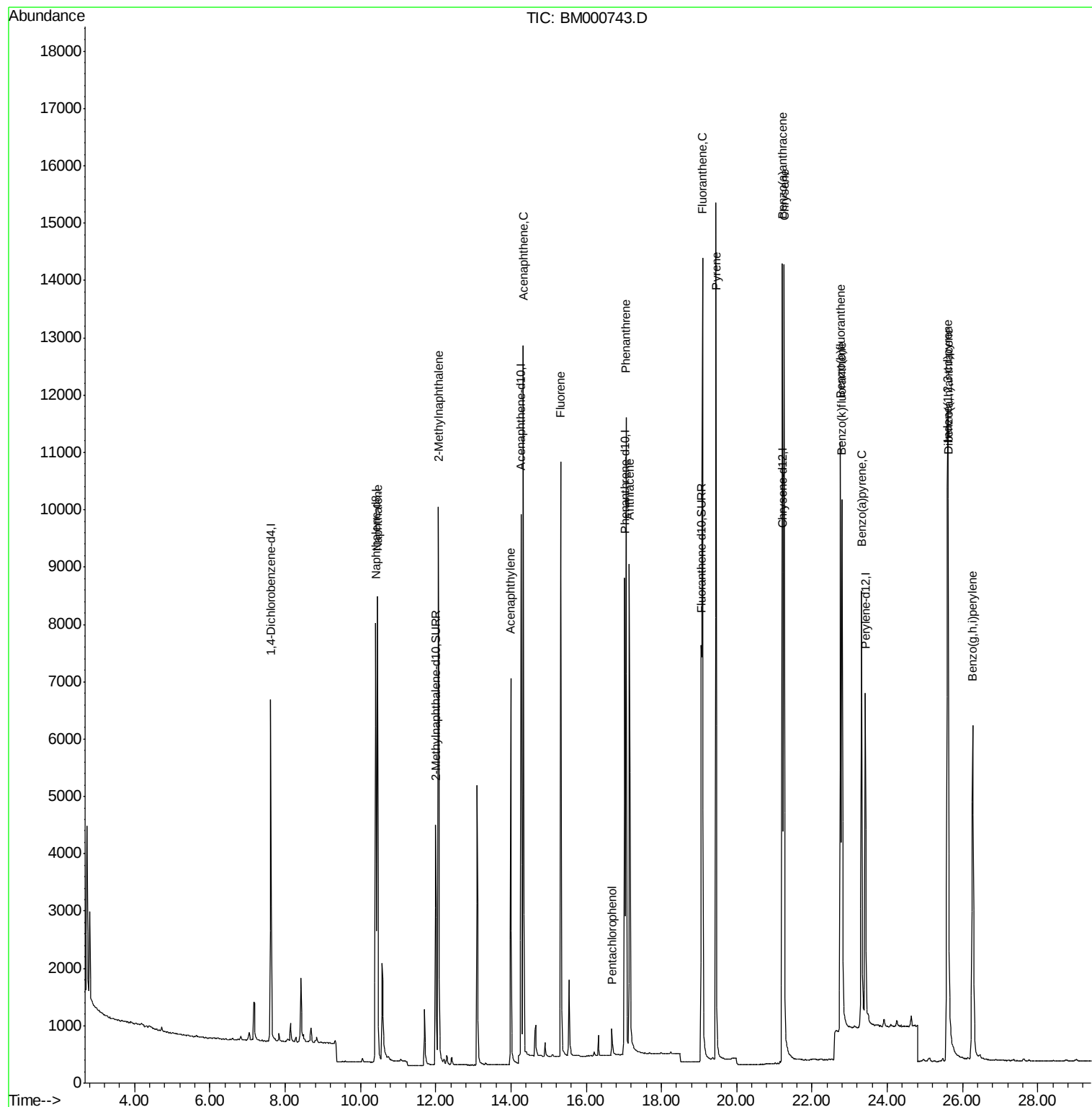
Target Compounds						Qvalue
3) Naphthalene	10.46	128	12128	0.46	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	7662	0.46	ng/ul	100
7) Acenaphthylene	14.00	152	9623	0.47	ng/ul	98
8) Acenaphthene	14.33	153	7689	0.47	ng/ul	96
9) Fluorene	15.32	166	8544	0.46	ng/ul#	76
11) Pentachlorophenol	16.68	266	459	0.33	ng/ul	97
12) Phenanthrene	17.05	178	13426	0.46	ng/ul	99
13) Anthracene	17.15	178	11630	0.45	ng/ul	99
15) Fluoranthene	19.09	202	14500	0.45	ng/ul	99
17) Pyrene	19.45	202	14882	0.45	ng/ul	99
18) Benzo(a)anthracene	21.21	228	11779	0.46	ng/ul	91
19) Chrysene	21.26	228	14143	0.46	ng/ul	92
21) Benzo(b)fluoranthene	22.75	252	12664	0.44	ng/ul	97
22) Benzo(k)fluoranthene	22.79	252	14198	0.48	ng/ul	98
23) Benzo(a)pyrene	23.31	252	12138	0.46	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.60	276	13660	0.45	ng/ul	99
25) Dibenzo(a,h)anthracene	25.62	278	10972	0.45	ng/ul	97
26) Benzo(g,h,i)perylene	26.26	276	12107	0.45	ng/ul	99

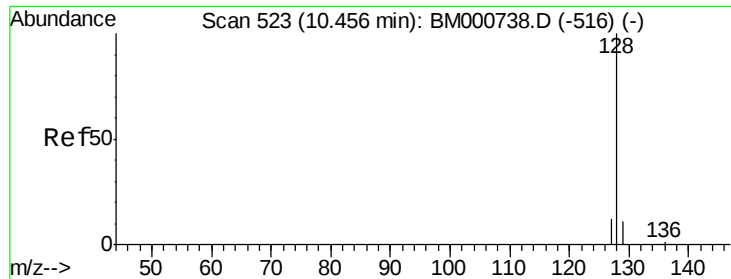
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.46 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

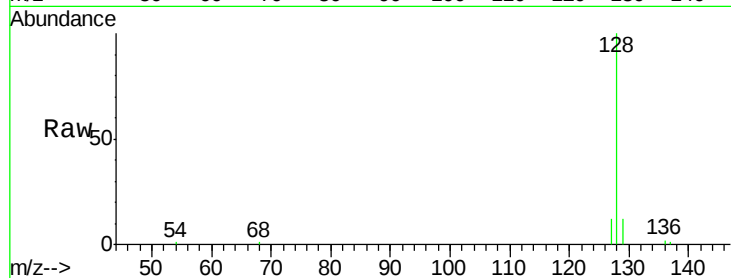
Tgt Ion:128 Resp: 12128

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

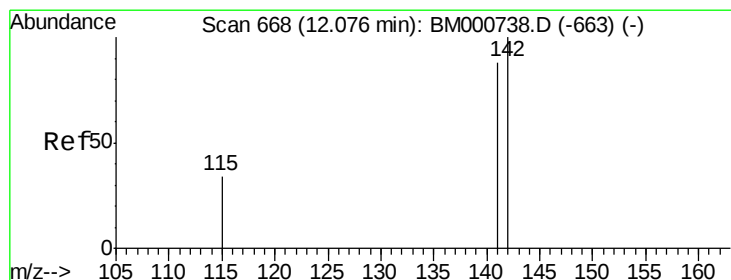
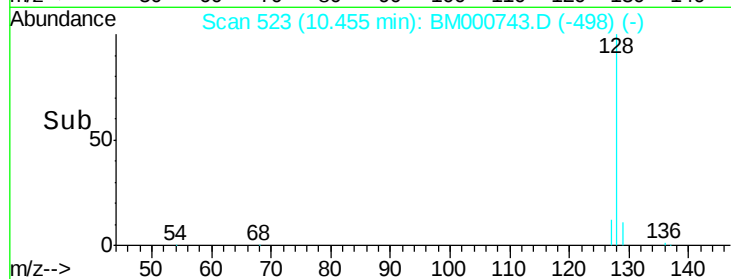
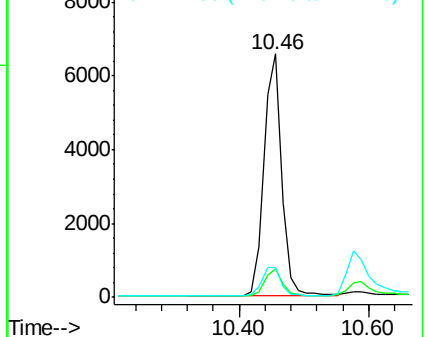
127 12.5 10.2 15.4



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: 0.46 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM000743.D

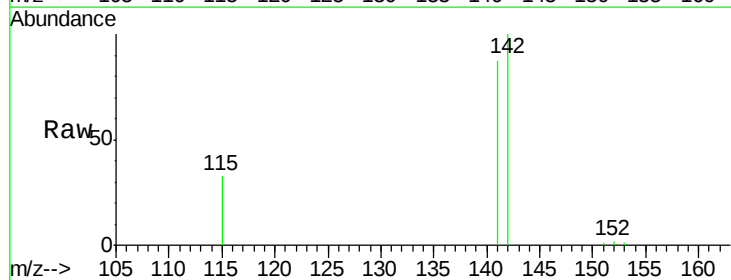
Acq: 20 Mar 2015 16:41

Tgt Ion:142 Resp: 7662

Ion Ratio Lower Upper

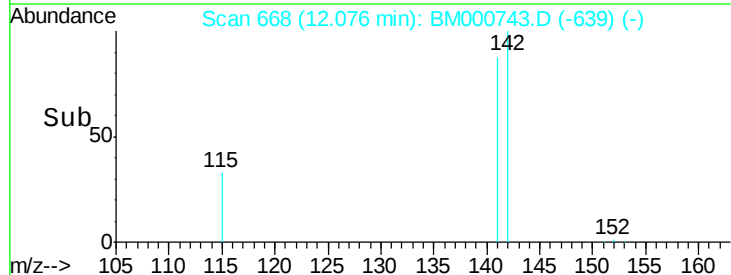
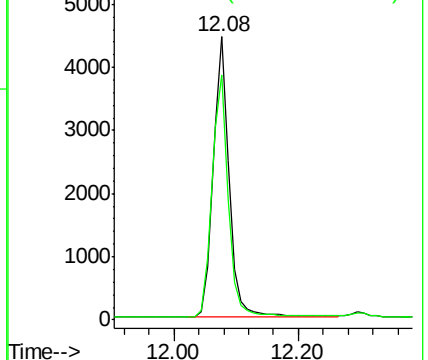
142 100

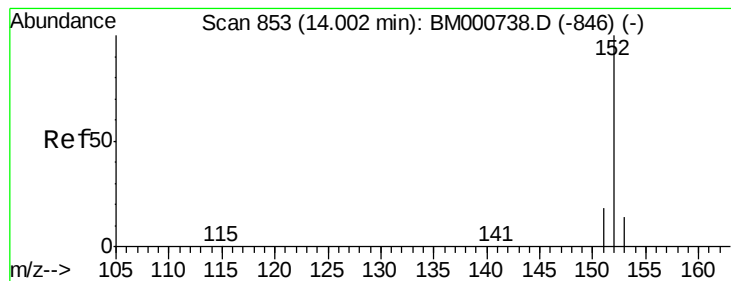
141 88.7 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.47 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

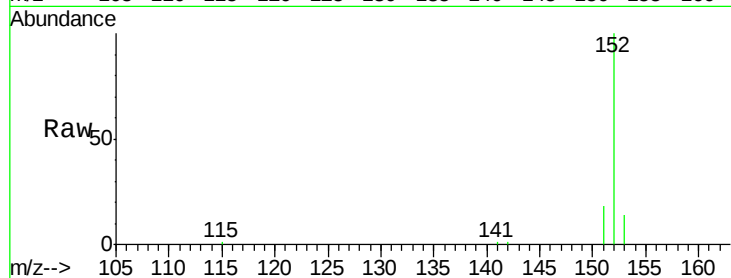
Tgt Ion:152 Resp: 9623

Ion Ratio Lower Upper

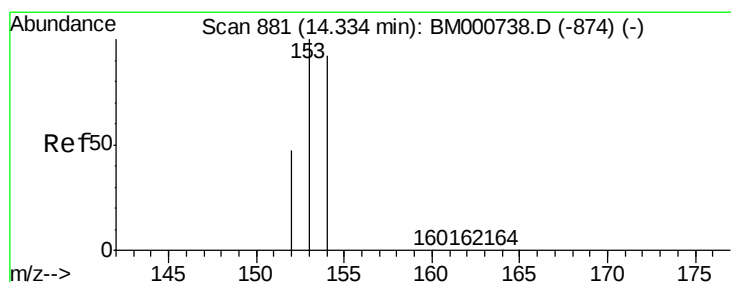
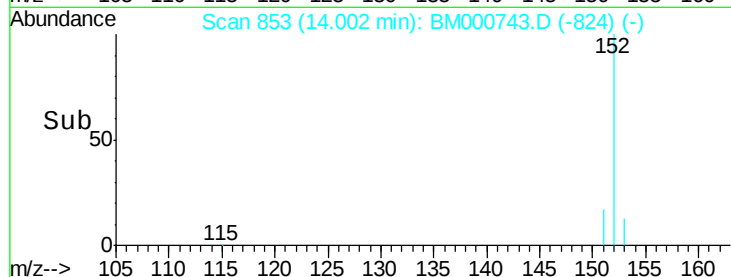
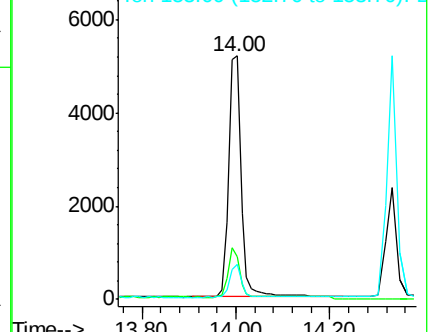
152 100

151 17.7 15.2 22.8

153 14.3 11.2 16.8



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: 0.47 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

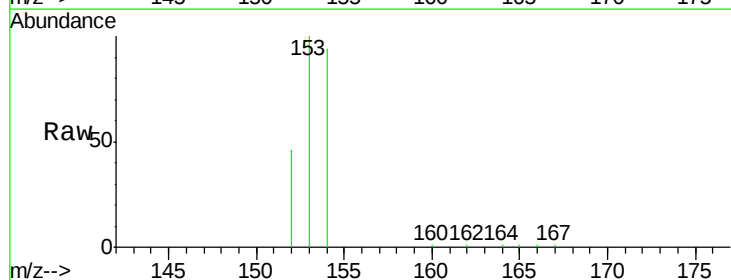
Tgt Ion:153 Resp: 7689

Ion Ratio Lower Upper

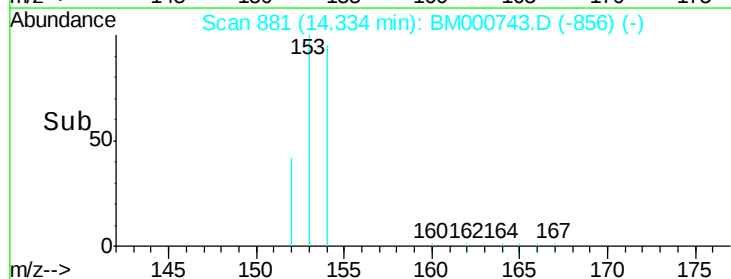
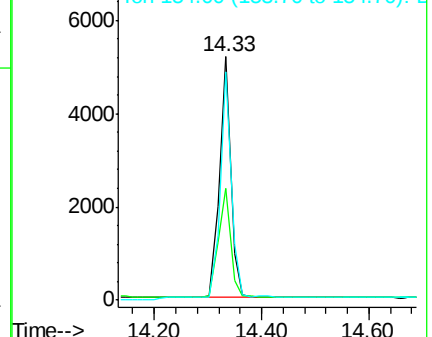
153 100

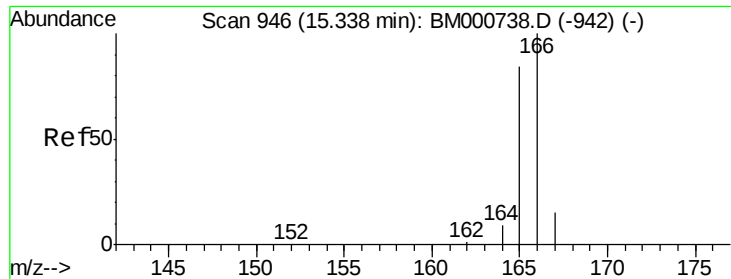
152 46.1 37.8 56.6

154 93.6 71.0 106.6



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

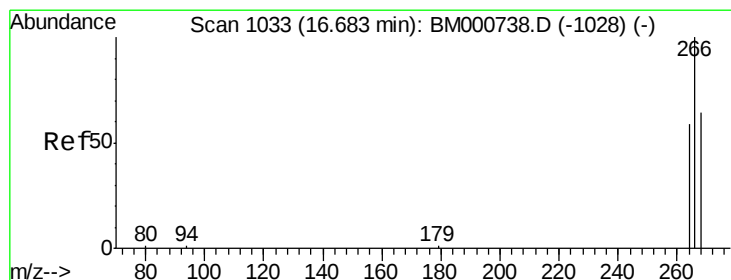
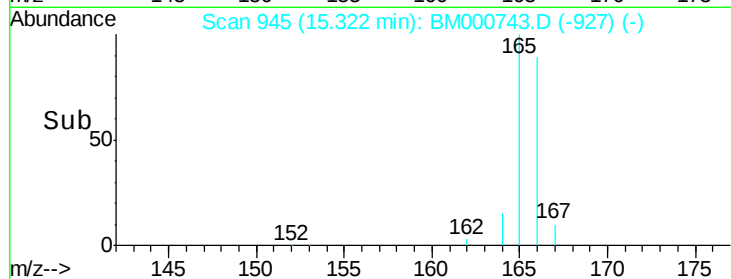
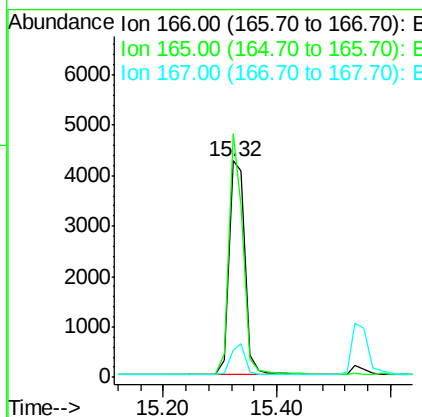
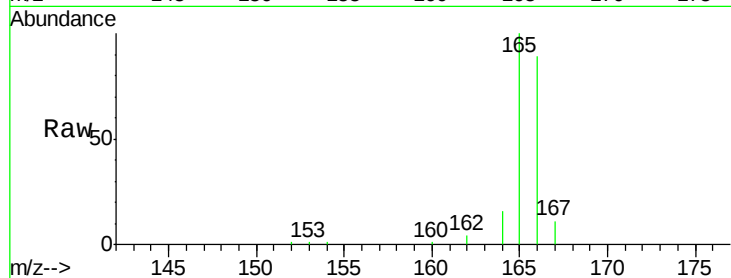




#9
Fluorene
 Concen: 0.46 ng/ul
 RT: 15.32 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BM000743.D
 Acq: 20 Mar 2015 16:41

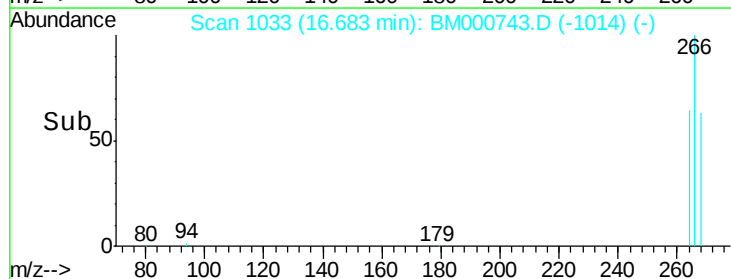
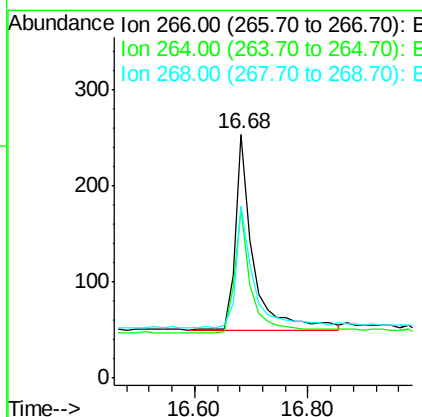
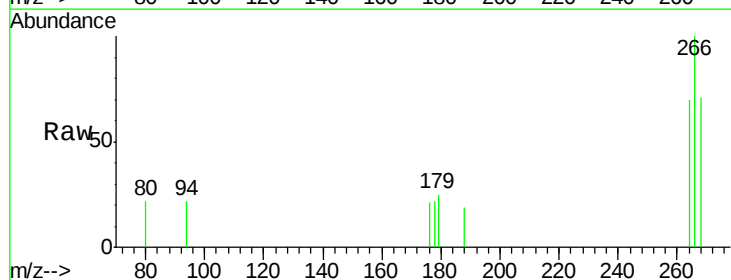
Instrument :
 BNA_M
 ClientSampleId :
 SST0.404

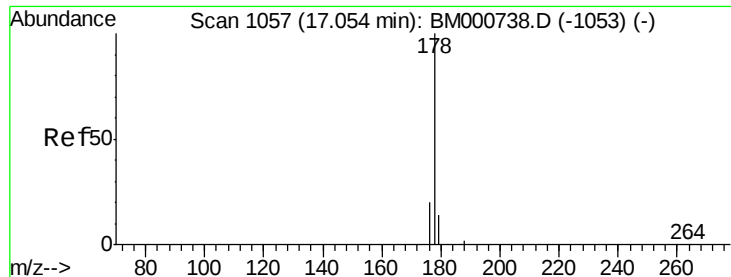
Tgt Ion:166 Resp: 8544
 Ion Ratio Lower Upper
 166 100
 165 112.6 69.8 104.6#
 167 12.8 12.5 18.7



#11
Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM000743.D
 Acq: 20 Mar 2015 16:41

Tgt Ion:266 Resp: 459
 Ion Ratio Lower Upper
 266 100
 264 58.8 47.8 71.8
 268 61.2 51.7 77.5





#12

Phenanthrene

Concen: 0.46 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

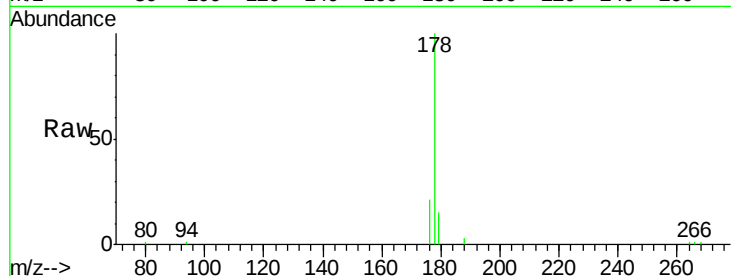
Tgt Ion:178 Resp: 13426

Ion Ratio Lower Upper

178 100

176 21.0 17.4 26.0

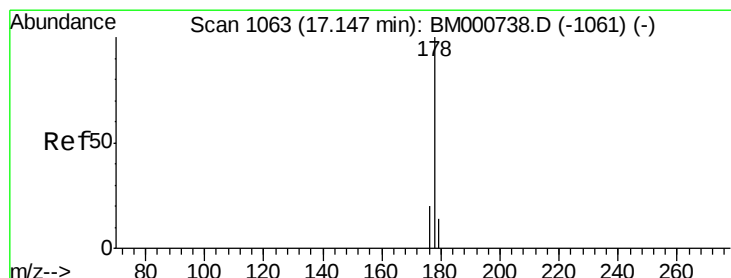
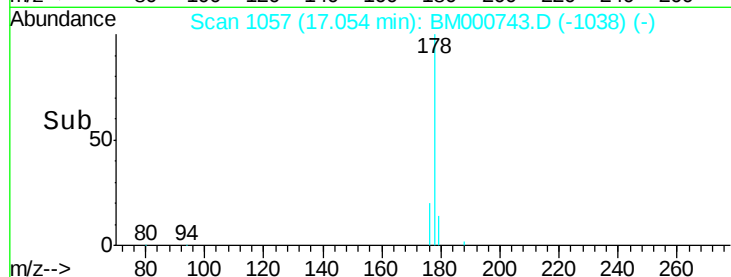
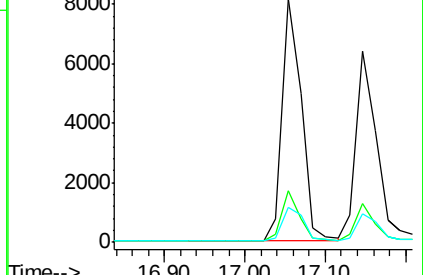
179 14.6 11.5 17.3



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



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

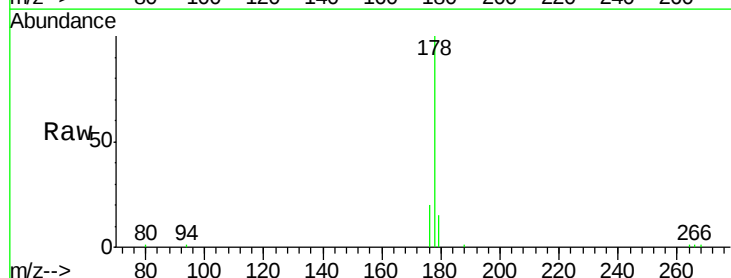
Tgt Ion:178 Resp: 11630

Ion Ratio Lower Upper

178 100

176 20.0 16.7 25.1

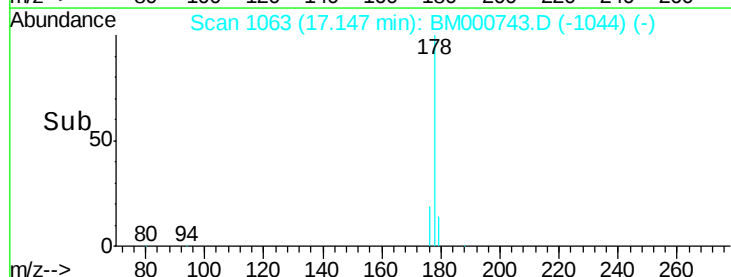
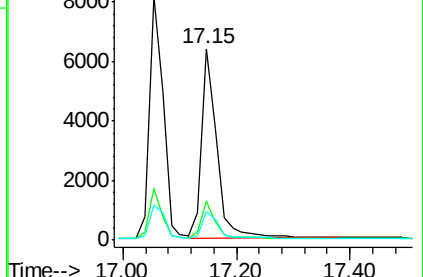
179 15.1 12.0 18.0

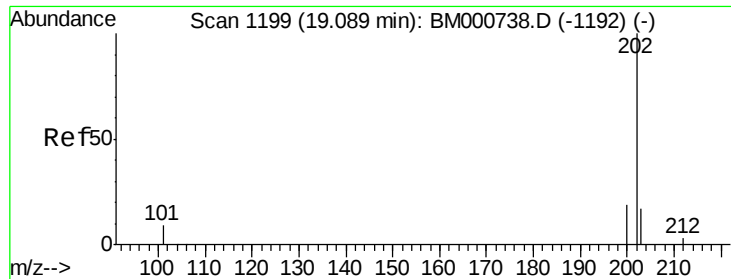


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.45 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

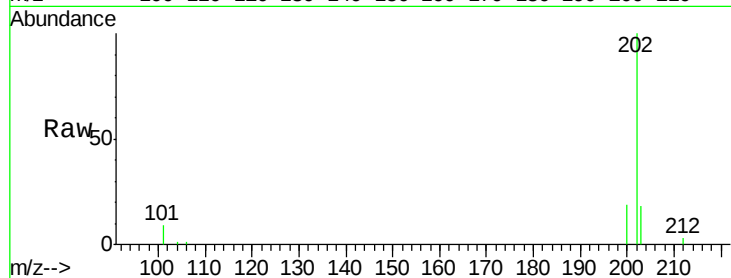
Tgt Ion:202 Resp: 14500

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.8

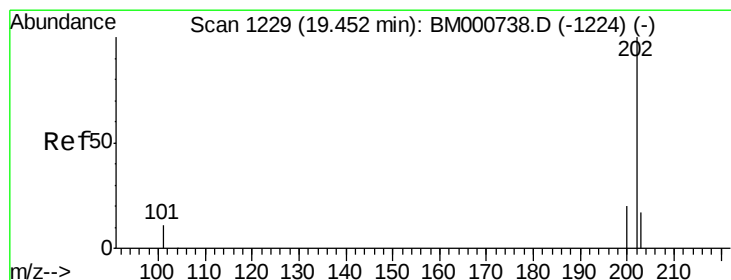
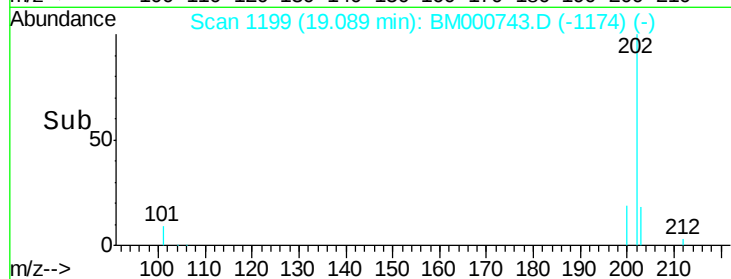
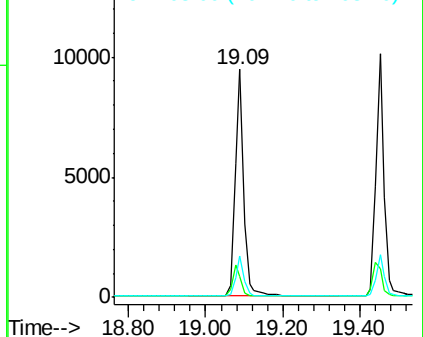
203 18.2 0.0 37.7



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: 0.45 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

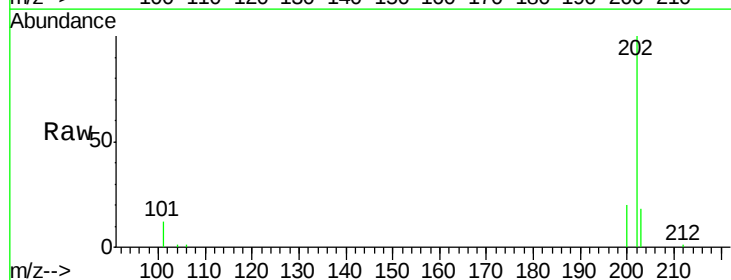
Tgt Ion:202 Resp: 14882

Ion Ratio Lower Upper

202 100

200 20.0 16.3 24.5

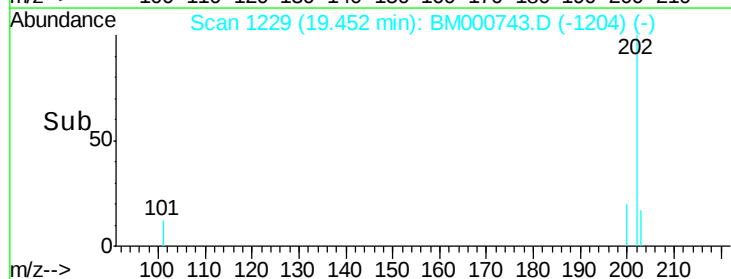
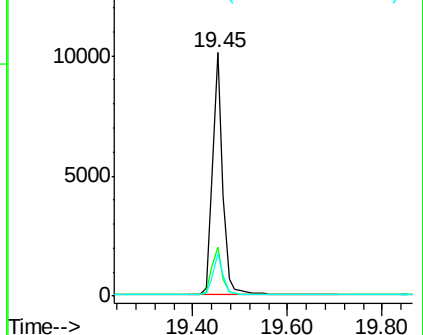
203 17.6 13.9 20.9

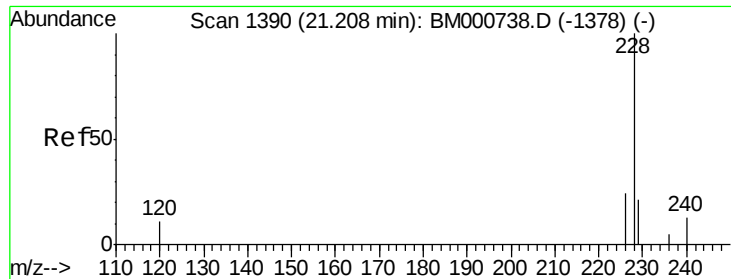


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

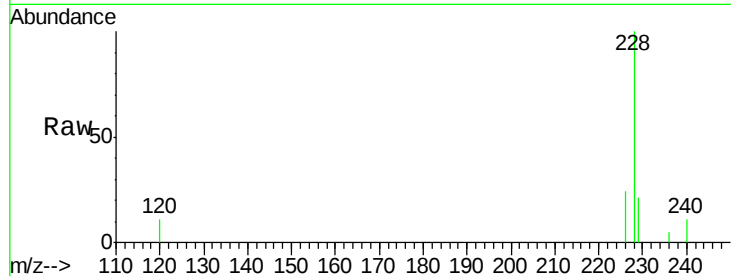
Tgt Ion:228 Resp: 11779

Ion Ratio Lower Upper

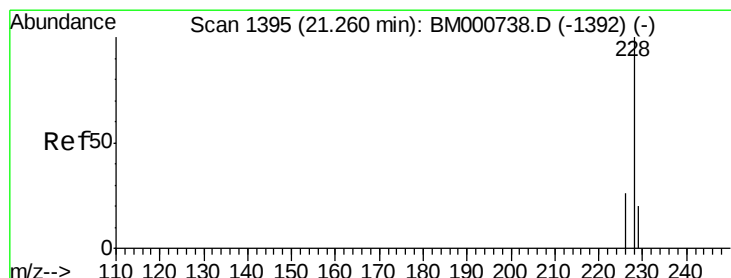
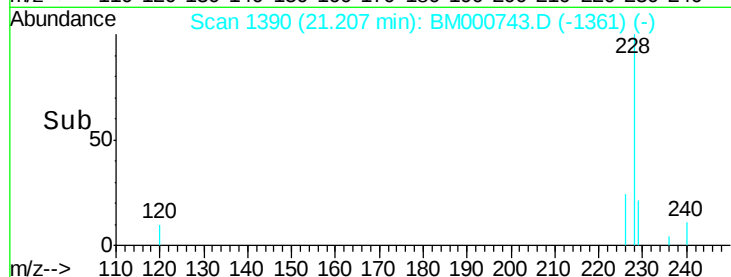
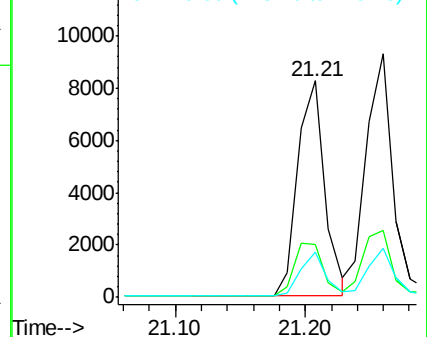
228 100

226 24.4 23.7 35.5

229 21.1 14.2 21.2



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: 0.46 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

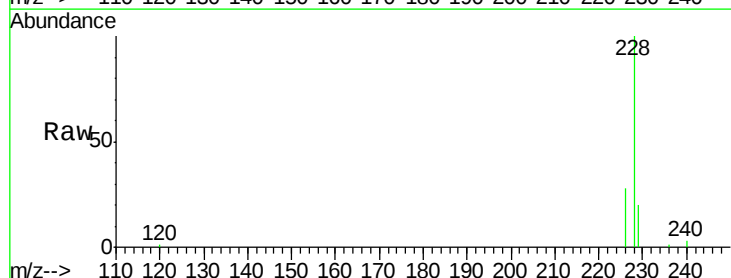
Tgt Ion:228 Resp: 14143

Ion Ratio Lower Upper

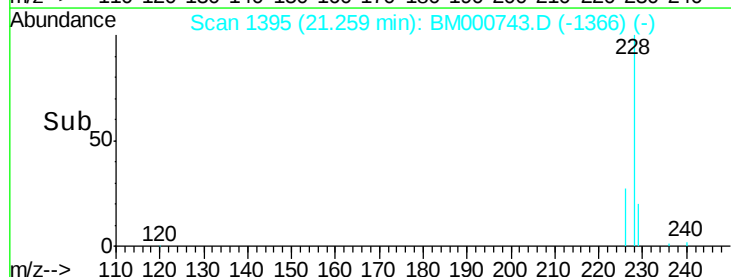
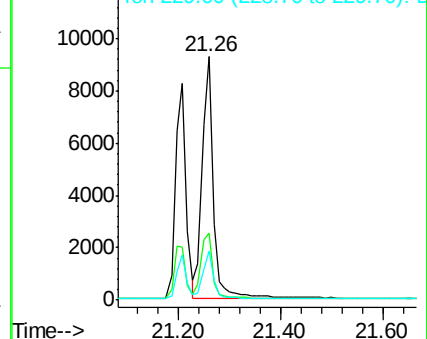
228 100

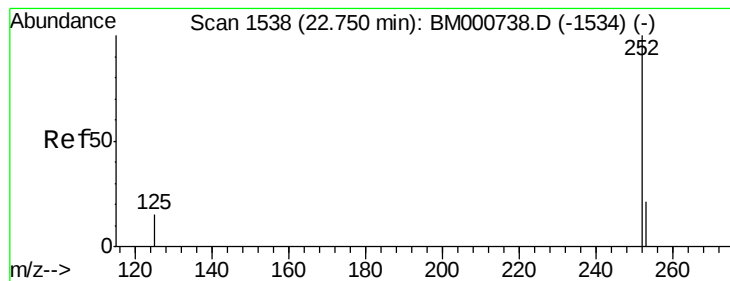
226 27.7 26.1 39.1

229 20.2 13.9 20.9



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: 0.44 ng/u1

RT: 22.75 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

Instrument :

BNA_M

ClientSampleId :

SSTD0.404

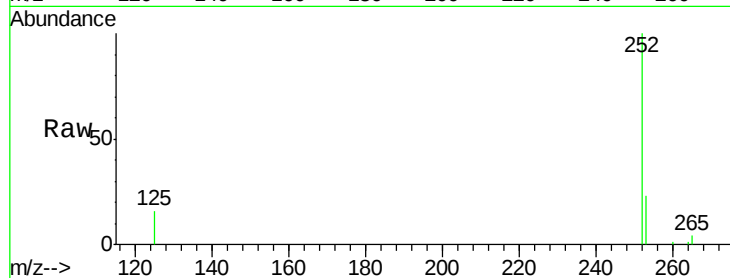
Tgt Ion:252 Resp: 12664

Ion Ratio Lower Upper

252 100

253 23.3 0.0 49.2

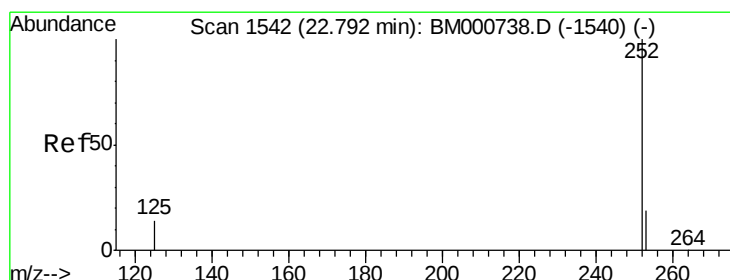
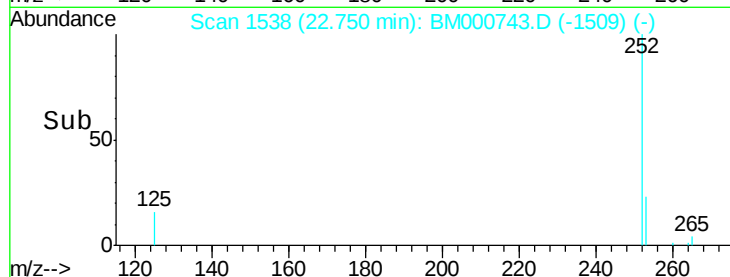
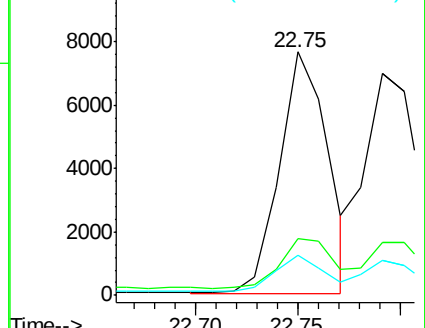
125 16.3 0.0 30.0



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: 0.48 ng/u1

RT: 22.79 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

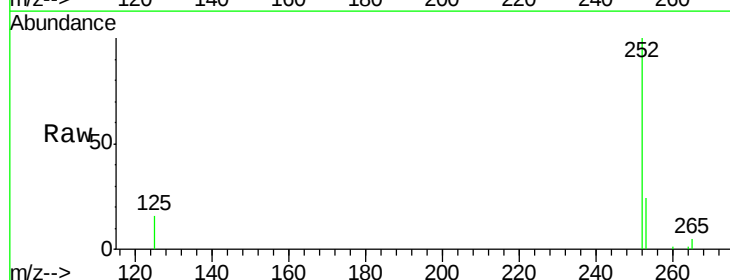
Tgt Ion:252 Resp: 14198

Ion Ratio Lower Upper

252 100

253 23.7 19.8 29.6

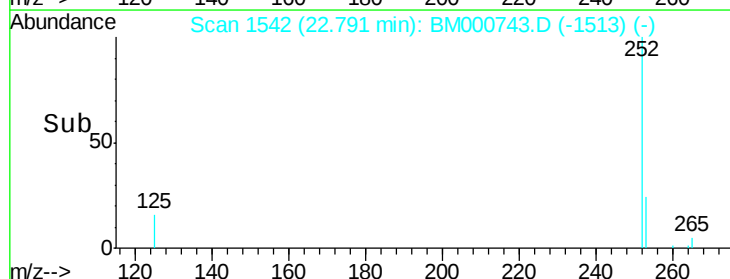
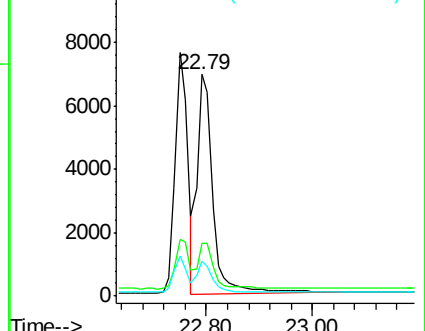
125 15.8 12.2 18.2

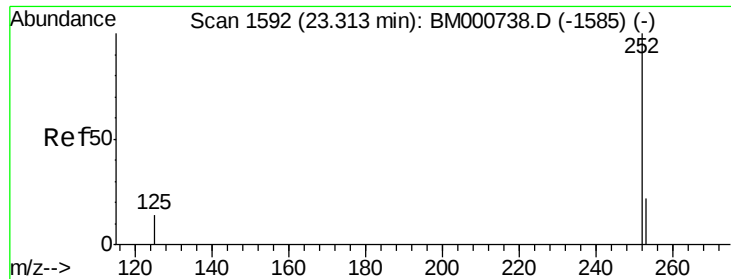


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM000743.D

Acq: 20 Mar 2015 16:41

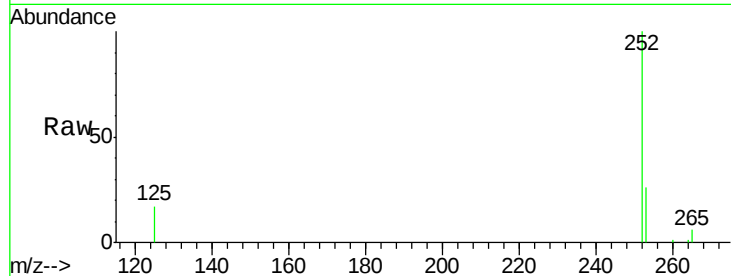
Instrument :

BNA_M

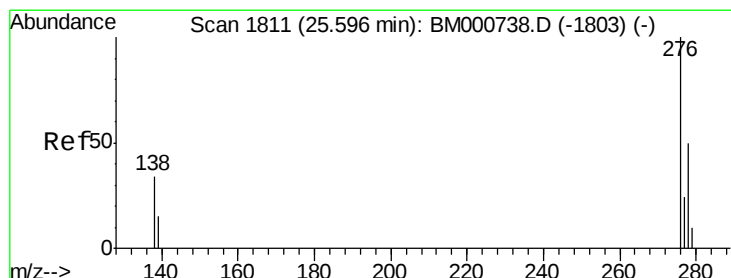
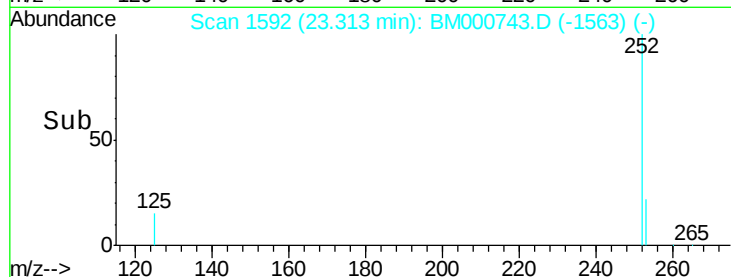
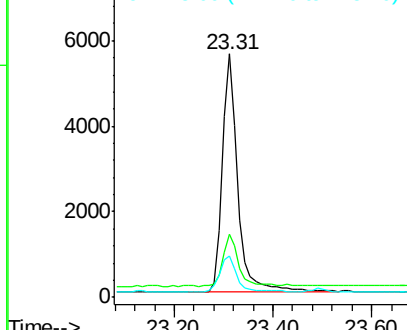
ClientSampleId :

SSTD0.404

Tgt Ion:	252	Resp:	12138
Ion	Ratio	Lower	Upper
252	100		
253	25.9	21.5	32.3
125	16.8	13.0	19.6



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: 0.45 ng/ul

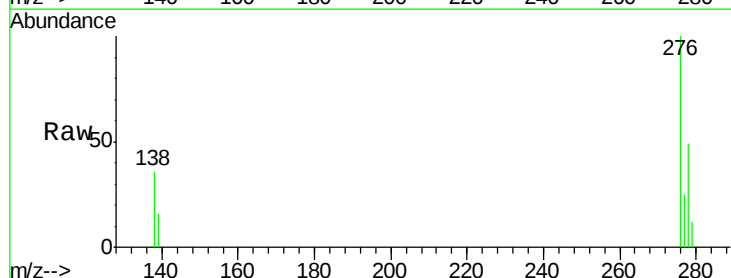
RT: 25.60 min Scan# 1811

Delta R.T. -0.00 min

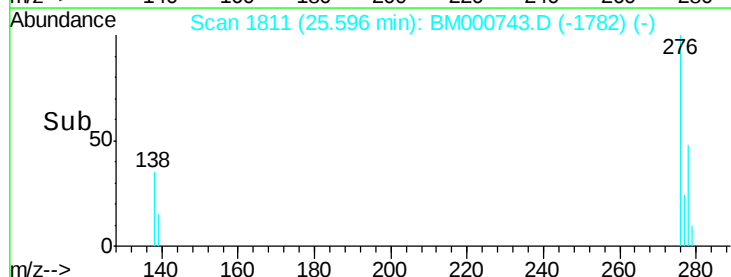
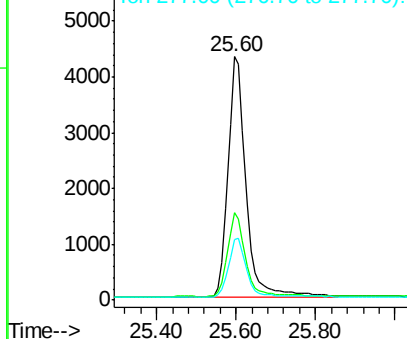
Lab File: BM000743.D

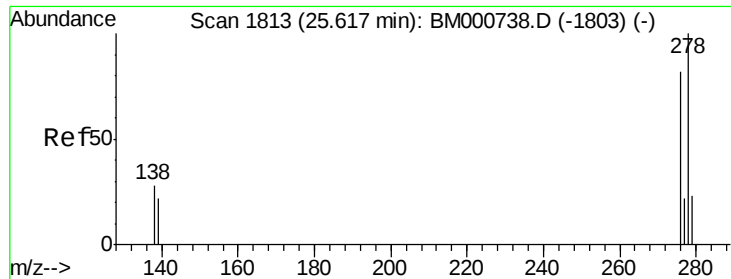
Acq: 20 Mar 2015 16:41

Tgt Ion:	276	Resp:	13660
Ion	Ratio	Lower	Upper
276	100		
138	35.2	27.8	41.8
277	24.8	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

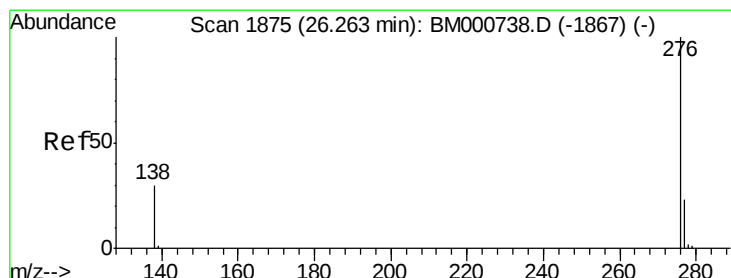
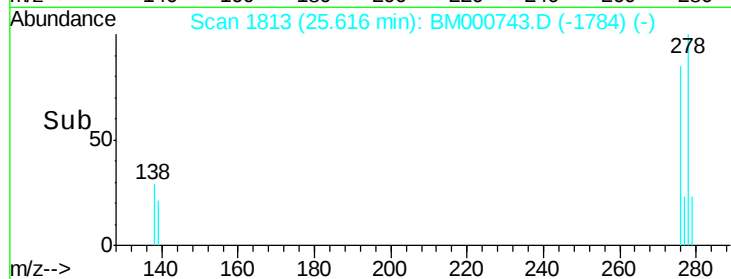
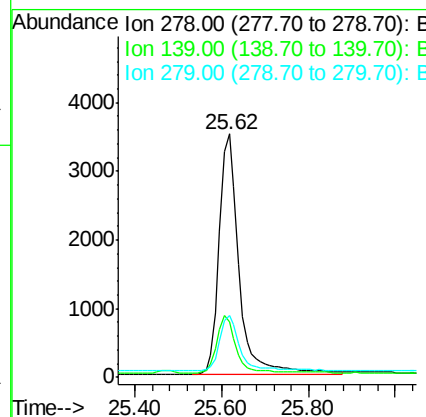
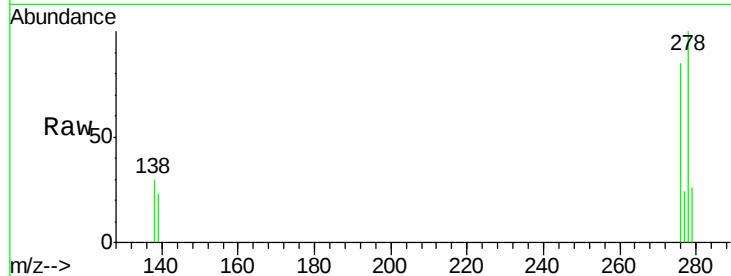




#25
Dibenzo(a,h)anthracene
Concen: 0.45 ng/ul
RT: 25.62 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BM000743.D
Acq: 20 Mar 2015 16:41

Instrument :
BNA_M
ClientSampleId :
SSTD0.404

Tgt Ion: 278 Resp: 10972
Ion Ratio Lower Upper
278 100
139 22.6 18.1 27.1
279 25.5 22.3 33.5



#26
Benzo(g,h,i)perylene
Concen: 0.45 ng/ul
RT: 26.26 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BM000743.D
Acq: 20 Mar 2015 16:41

Tgt Ion: 276 Resp: 12107
Ion Ratio Lower Upper
276 100
277 23.8 19.6 29.4
138 31.4 25.6 38.4

