

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072816\
 Data File : BM006726.D
 Acq On : 28 Jul 2016 17:51
 Operator : UM/SJ
 Sample : H4068-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2548

Quant Time: Jul 28 18:34:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM072816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 15:44:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2176	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	7747	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4168	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	10270	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	10293	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	10042	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	3496	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	9842	0.36	ng/ul	0.00

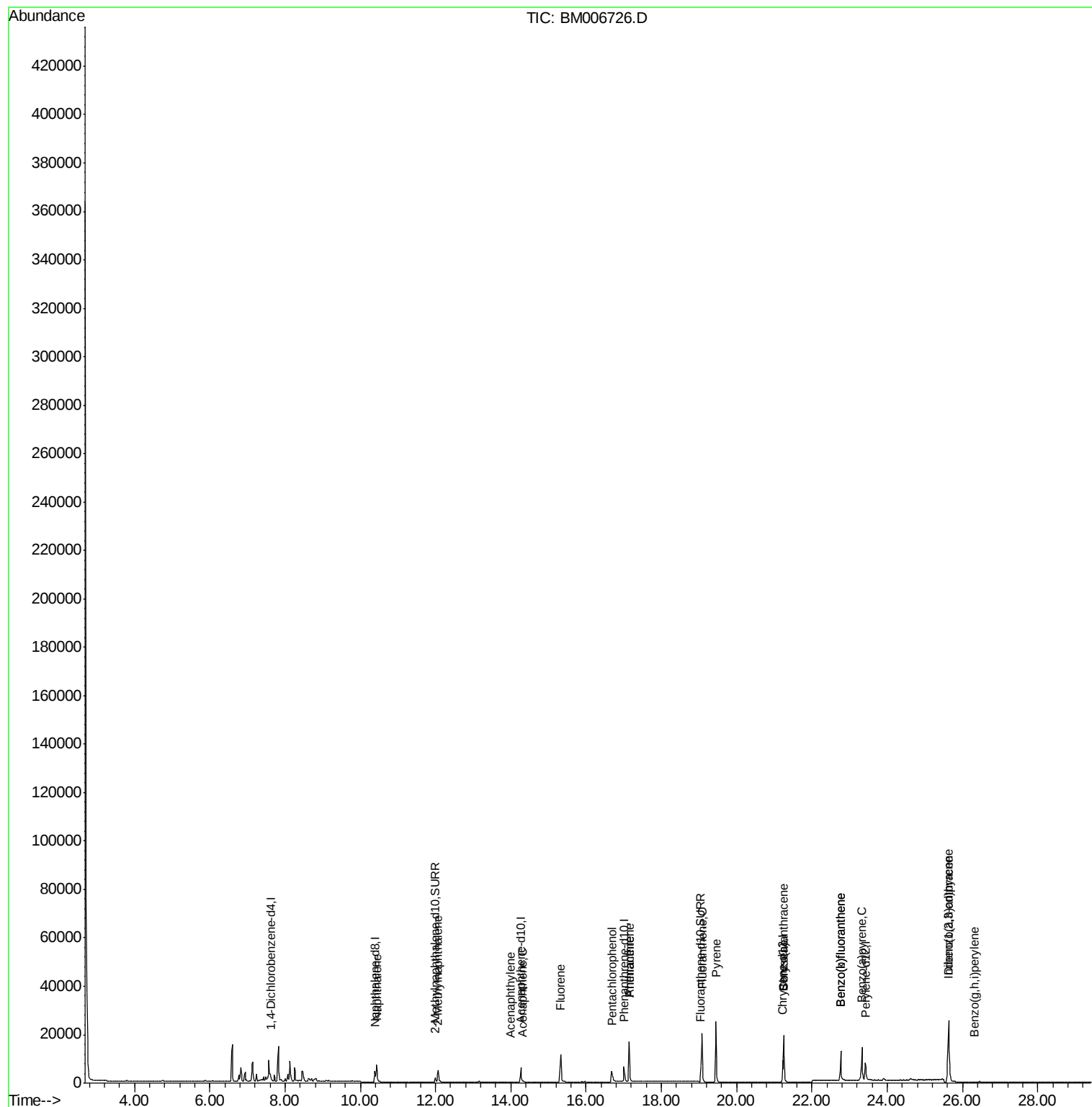
Target Compounds						Qvalue
3) Naphthalene	10.44	128	12160	0.62	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	5481	0.41	ng/ul	100
7) Acenaphthylene	13.99	152	21	0.00	ng/ul#	1
8) Acenaphthene	14.31	153	74	0.01	ng/ul#	72
9) Fluorene	15.32	166	9962	0.59	ng/ul	95
11) Pentachlorophenol	16.68	266	4998	3.87	ng/ul	96
12) Phenanthrene	17.14	178	21309	0.75	ng/ul	95
13) Anthracene	17.14	178	21971	0.81	ng/ul	98
15) Fluoranthene	19.08	202	24733	0.62	ng/ul	94
17) Pyrene	19.45	202	26978	0.87	ng/ul	96
18) Benzo(a)anthracene	21.25	228	18684	0.66	ng/ul#	89
19) Chrysene	21.25	228	18783	0.66	ng/ul	93
21) Benzo(b)fluoranthene	22.76	252	17198	0.50	ng/ul	94
22) Benzo(k)fluoranthene	22.76	252	17250	0.53	ng/ul	98
23) Benzo(a)pyrene	23.33	252	21957	0.69	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.62	276	10938	0.27	ng/ul#	65
25) Dibenzo(a,h)anthracene	25.63	278	44662	1.49	ng/ul#	95
26) Benzo(g,h,i)perylene	26.32	276	139	0.00	ng/ul#	1

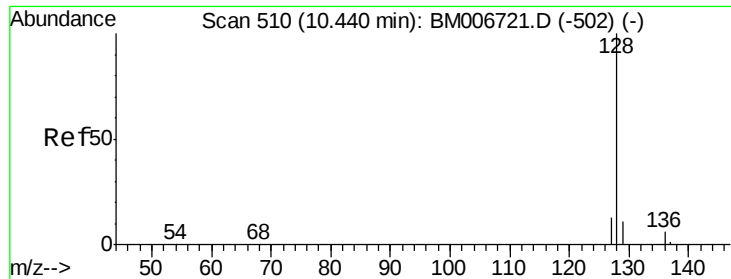
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.62 ng/ul

RT: 10.44 min Scan# 510

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

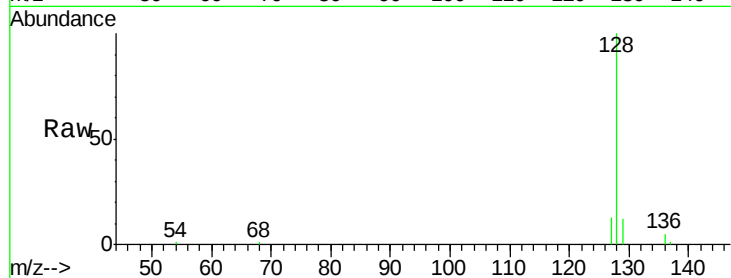
Tgt Ion:128 Resp: 12160

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

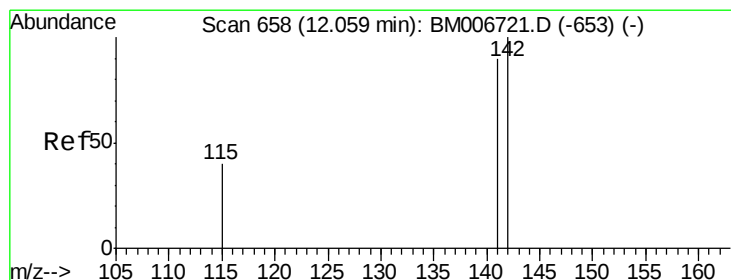
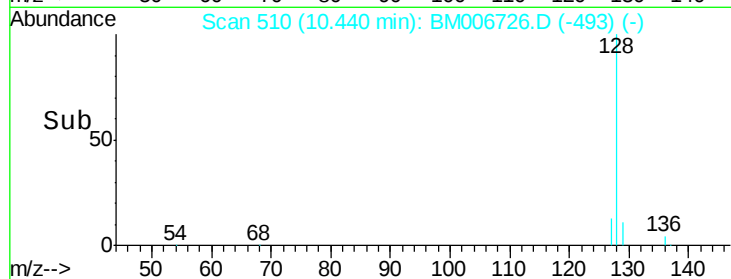
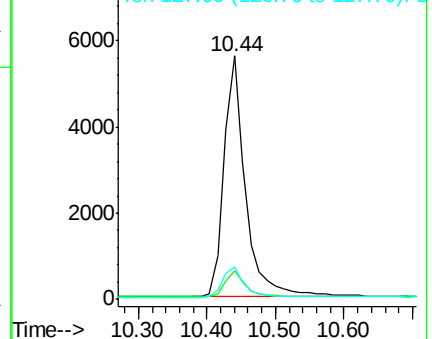
127 13.3 9.6 14.4



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: 0.41 ng/ul

RT: 12.06 min Scan# 658

Delta R.T. 0.00 min

Lab File: BM006726.D

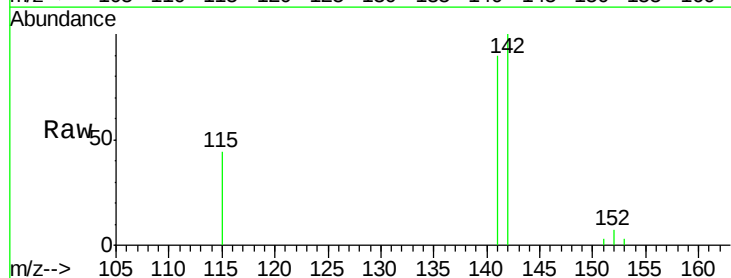
Acq: 28 Jul 2016 17:51

Tgt Ion:142 Resp: 5481

Ion Ratio Lower Upper

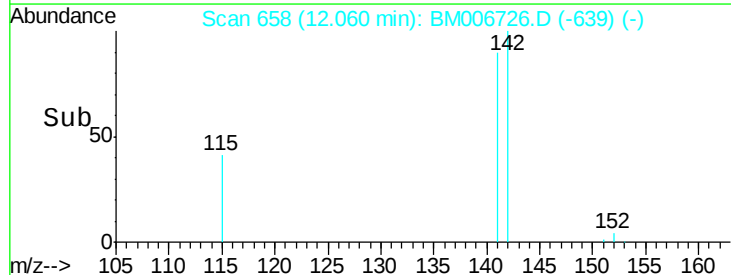
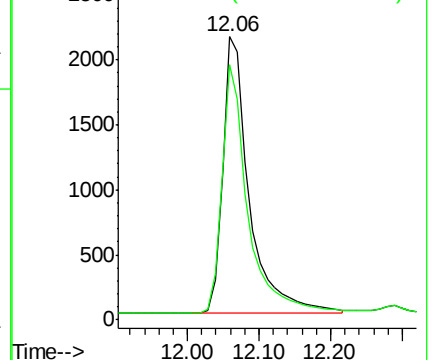
142 100

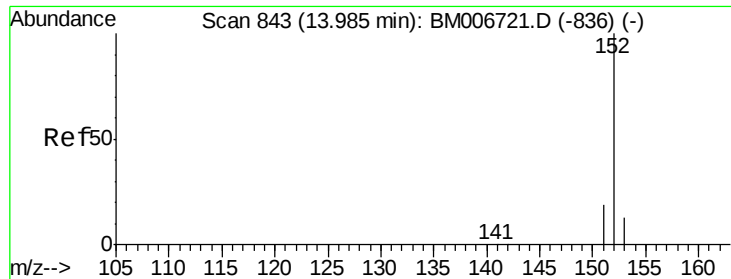
141 87.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.99 min Scan# 843

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

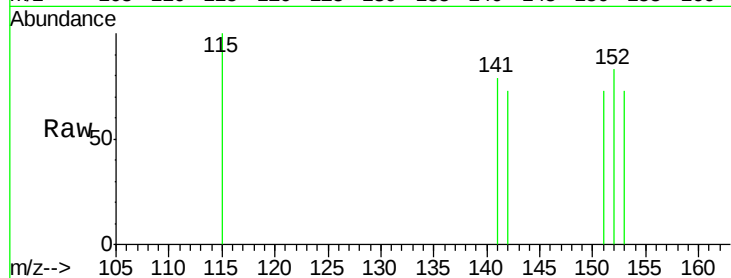
Tgt Ion:152 Resp: 21

Ion Ratio Lower Upper

152 100

151 88.1 17.6 26.4#

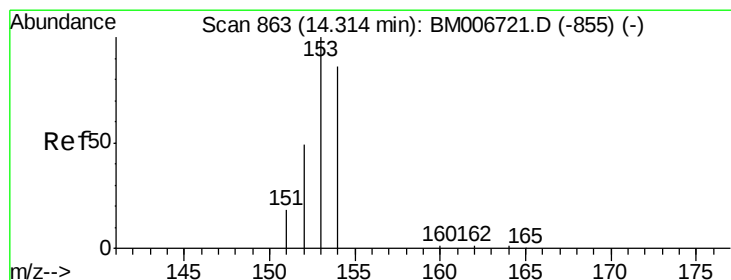
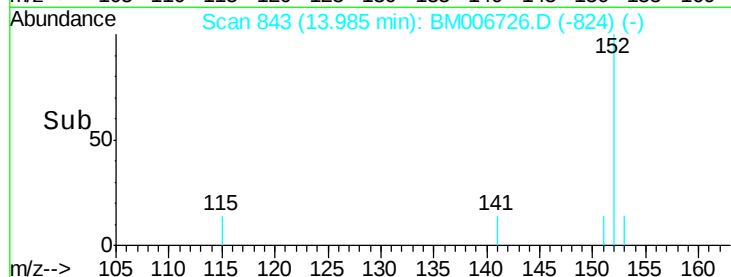
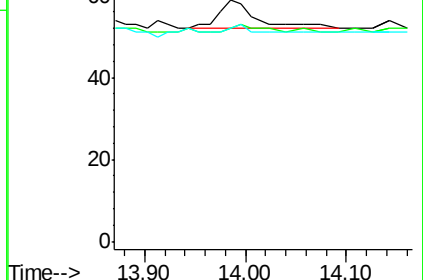
153 88.1 9.7 14.5#



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: 0.01 ng/ul

RT: 14.31 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

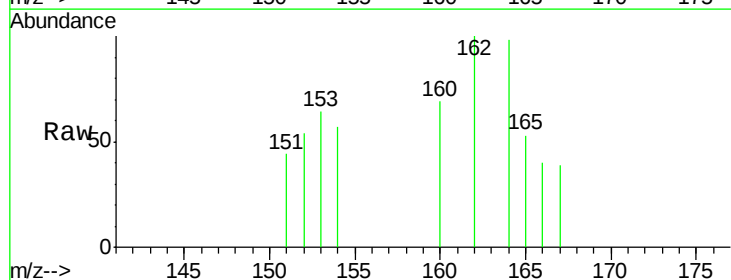
Tgt Ion:153 Resp: 74

Ion Ratio Lower Upper

153 100

152 84.3 33.9 50.9#

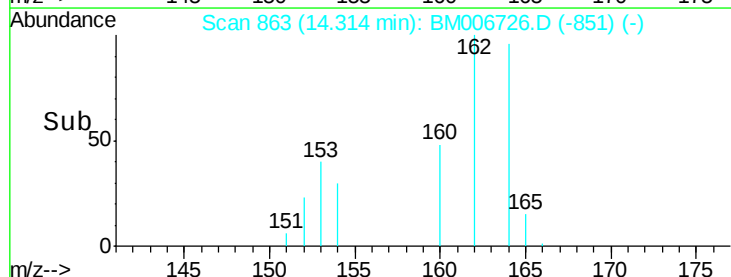
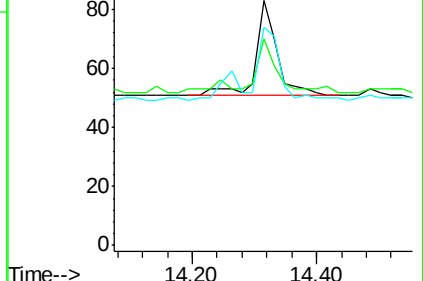
154 89.2 80.6 121.0

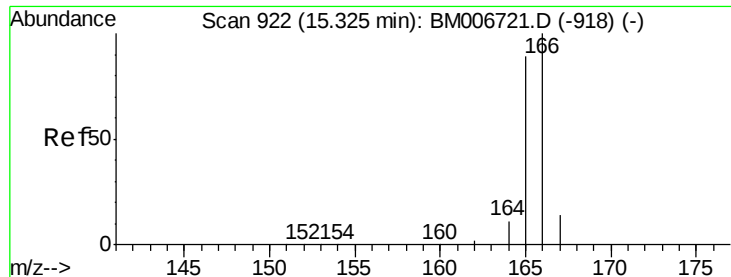


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

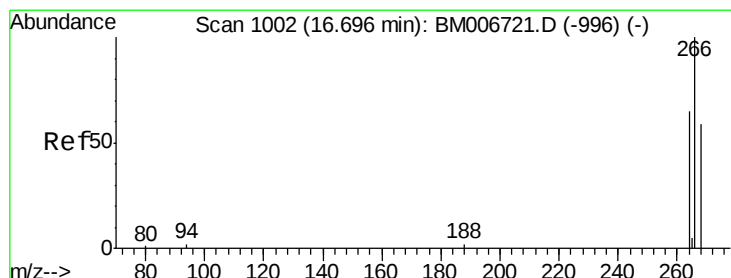
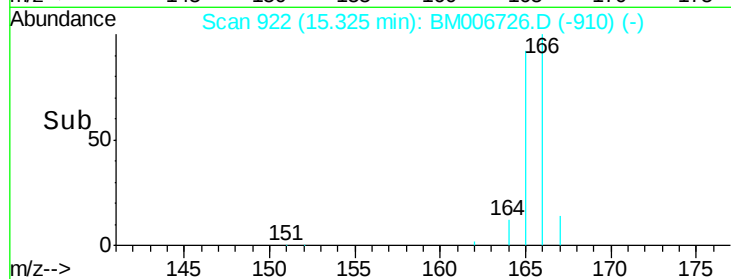
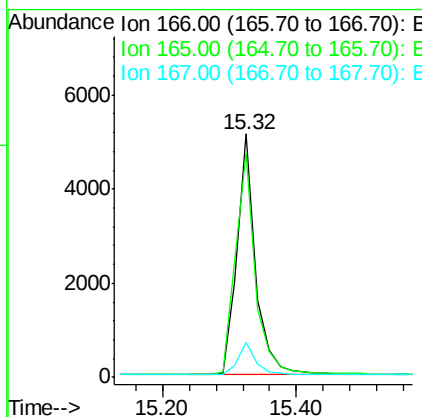
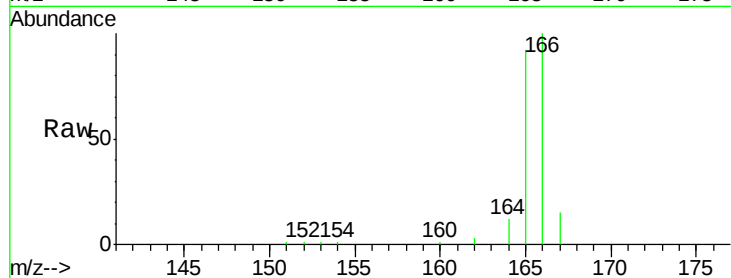




#9
Fluorene
 Concen: 0.59 ng/ul
 RT: 15.32 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: BM006726.D
 Acq: 28 Jul 2016 17:51

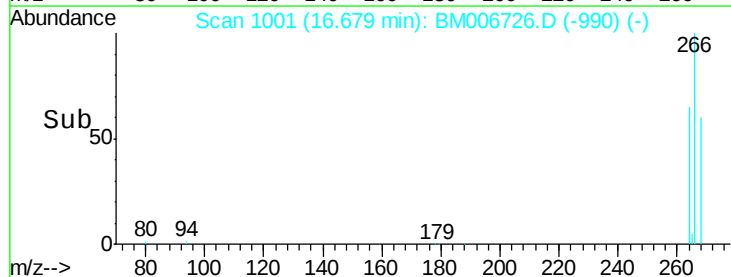
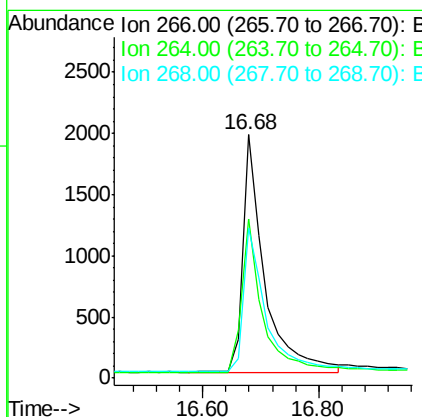
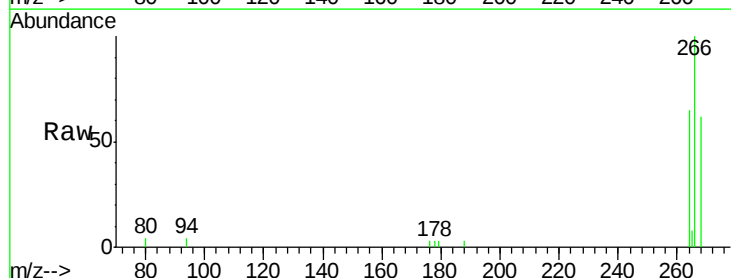
Instrument :
 BNA_M
 ClientSampleId :
 X2548

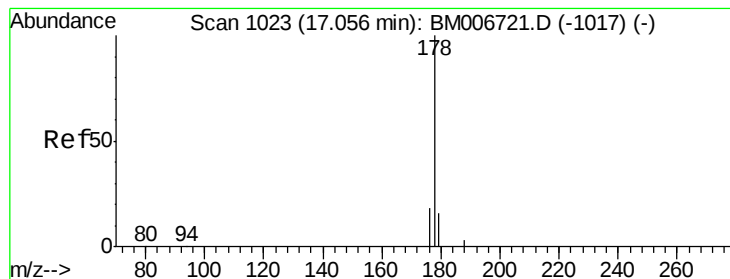
Tgt Ion:166 Resp: 9962
 Ion Ratio Lower Upper
 166 100
 165 92.3 69.6 104.4
 167 14.5 11.9 17.9



#11
Pentachlorophenol
 Concen: 3.87 ng/ul
 RT: 16.68 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BM006726.D
 Acq: 28 Jul 2016 17:51

Tgt Ion:266 Resp: 4998
 Ion Ratio Lower Upper
 266 100
 264 63.1 51.8 77.8
 268 63.4 46.8 70.2





#12

Phenanthrene

Concen: 0.75 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.09 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

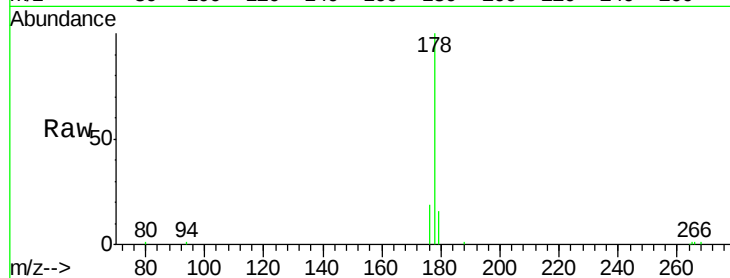
Tgt Ion:178 Resp: 21309

Ion Ratio Lower Upper

178 100

176 19.0 13.0 19.4

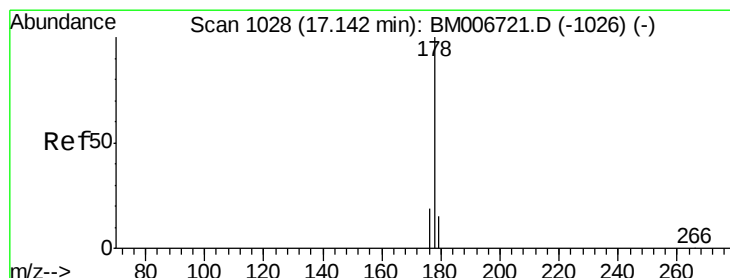
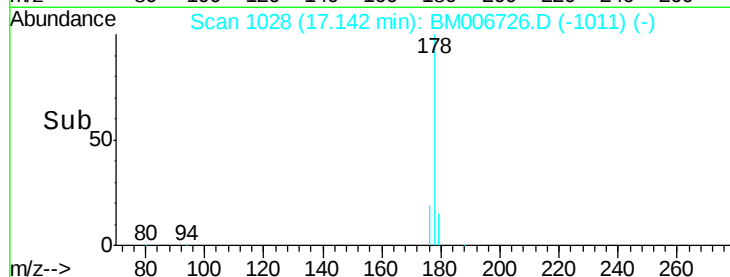
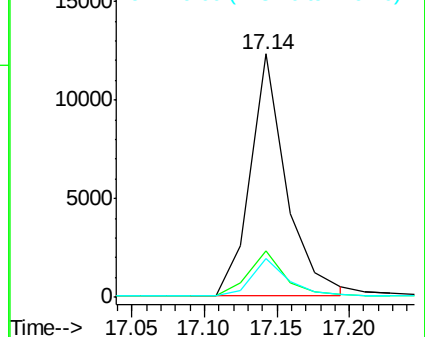
179 15.7 14.2 21.2



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: 0.81 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

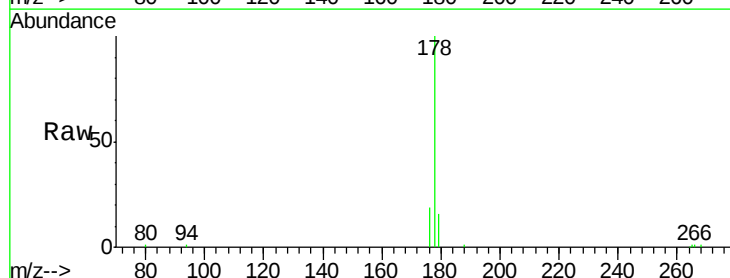
Tgt Ion:178 Resp: 21971

Ion Ratio Lower Upper

178 100

176 19.0 14.0 21.0

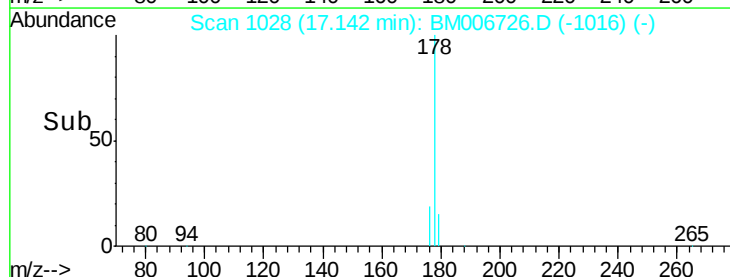
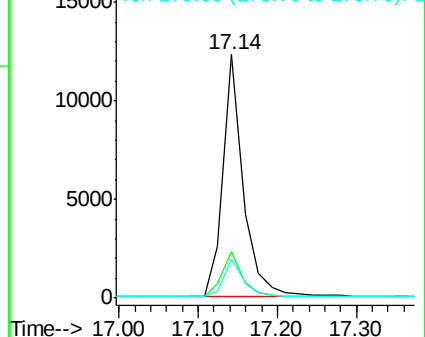
179 15.7 12.9 19.3

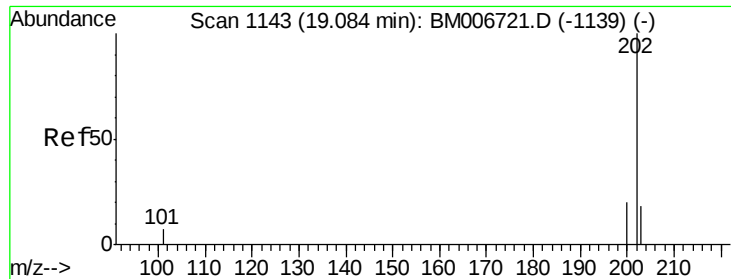


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

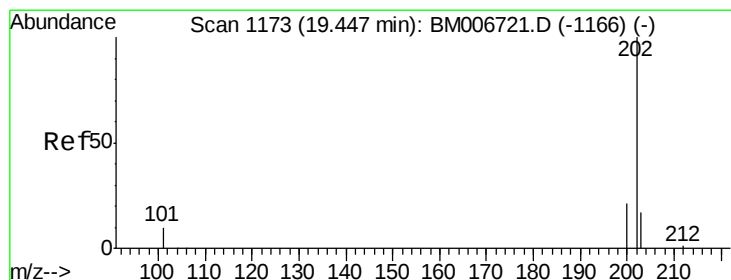
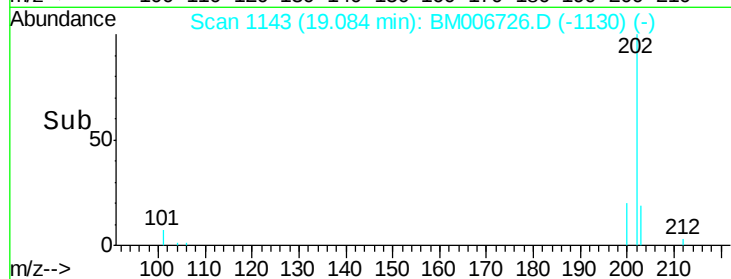
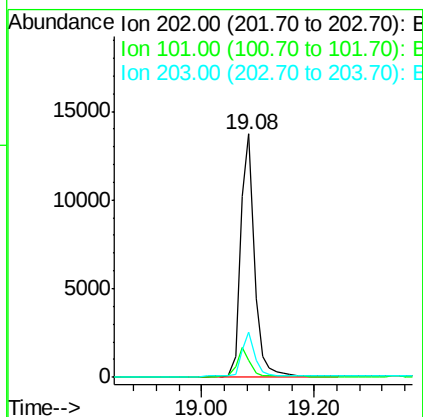
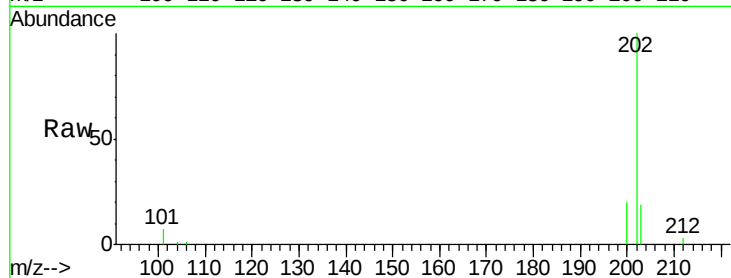




#15
Fluoranthene
 Concen: 0.62 ng/ul
 RT: 19.08 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: BM006726.D
 Acq: 28 Jul 2016 17:51

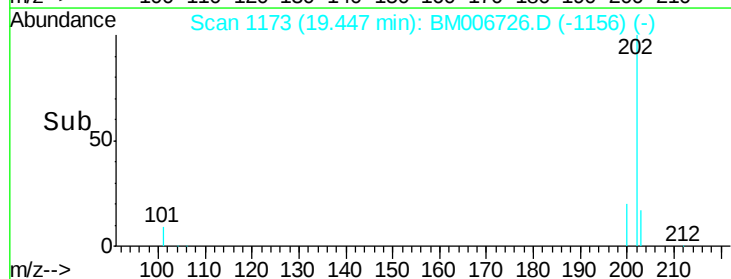
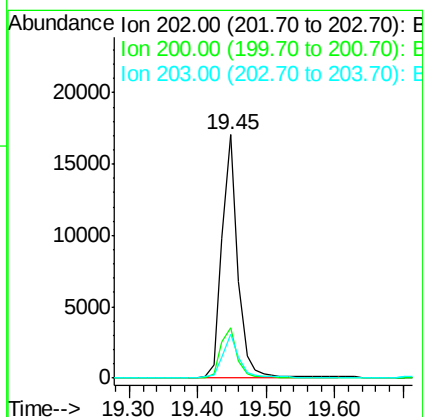
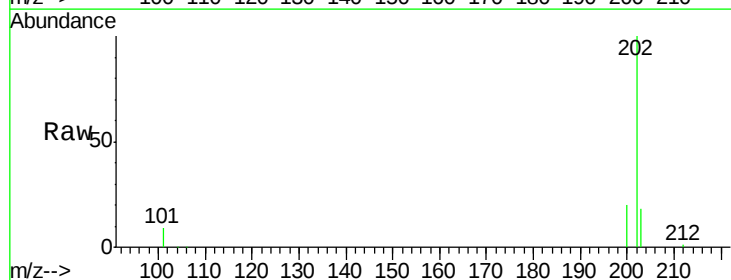
Instrument :
 BNA_M
 ClientSampleId :
 X2548

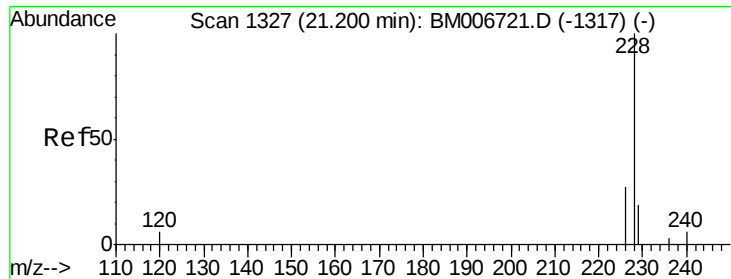
Tgt Ion:202 Resp: 24733
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 29.6
 203 18.5 0.0 36.3



#17
Pyrene
 Concen: 0.87 ng/ul
 RT: 19.45 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BM006726.D
 Acq: 28 Jul 2016 17:51

Tgt Ion:202 Resp: 26978
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.8
 203 17.8 12.8 19.2





#18

Benzo(a)anthracene

Concen: 0.66 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.05 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

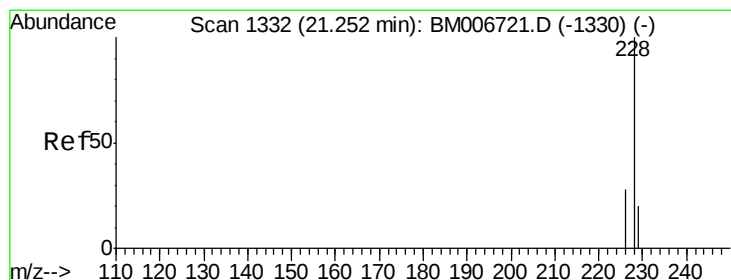
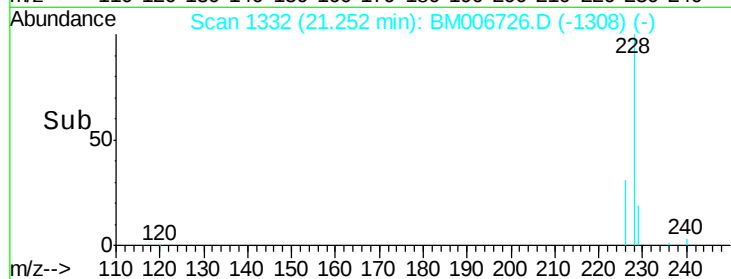
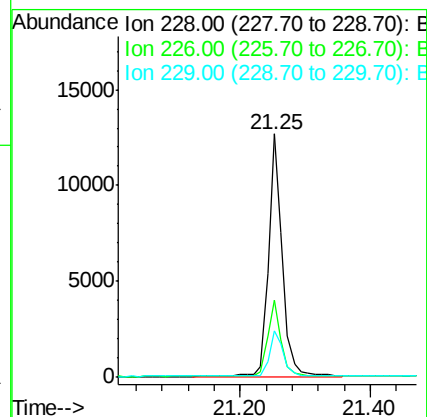
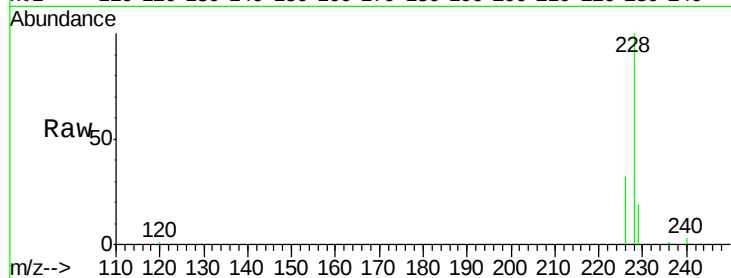
Tgt Ion:228 Resp: 18684

Ion Ratio Lower Upper

228 100

226 31.6 18.8 28.2#

229 19.3 17.1 25.7



#19

Chrysene

Concen: 0.66 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

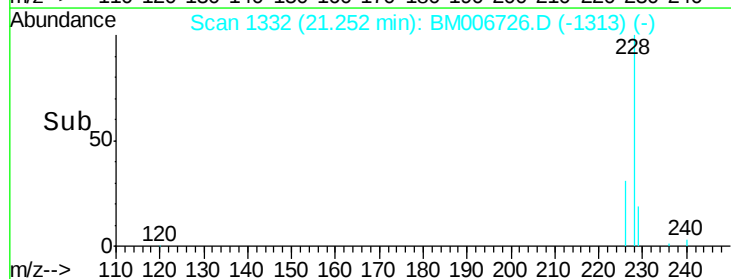
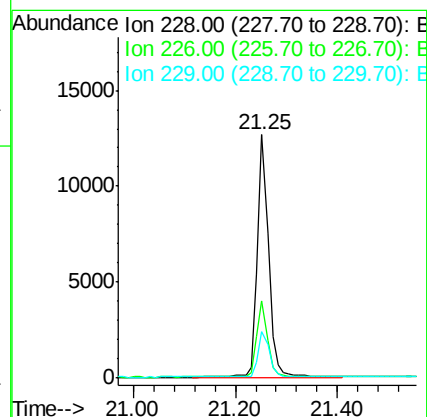
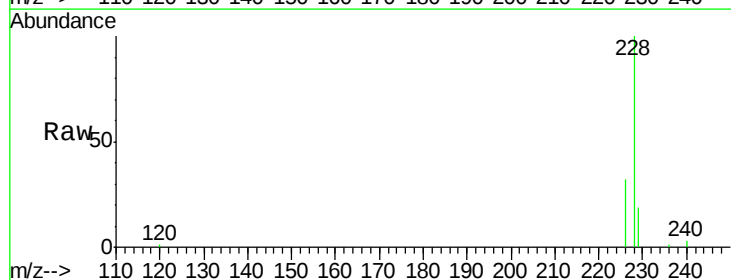
Tgt Ion:228 Resp: 18783

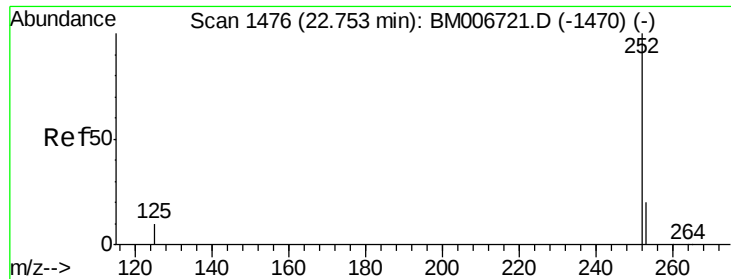
Ion Ratio Lower Upper

228 100

226 31.6 21.2 31.8

229 19.3 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.50 ng/ul

RT: 22.76 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

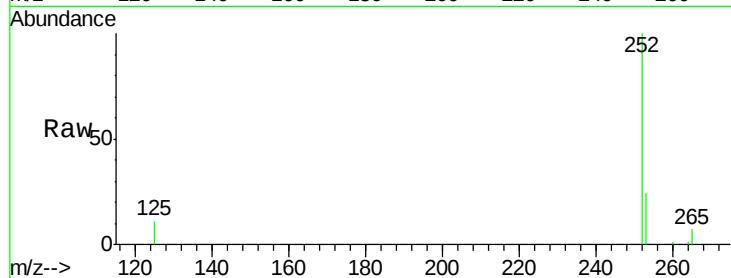
Tgt Ion:252 Resp: 17198

Ion Ratio Lower Upper

252 100

253 24.5 0.0 45.4

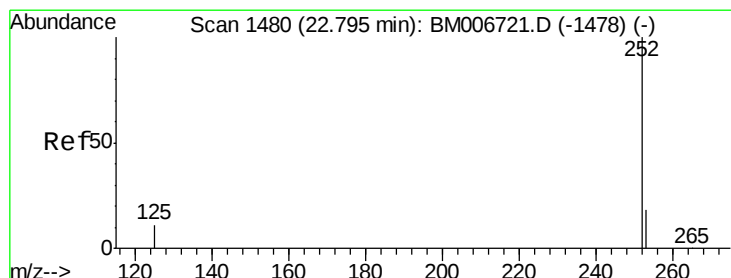
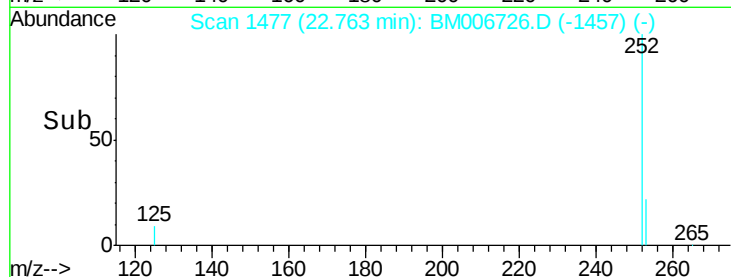
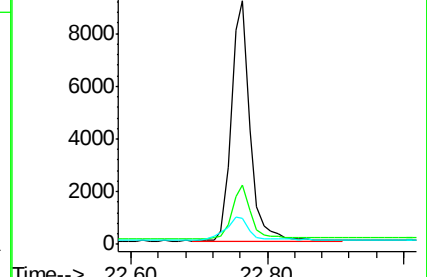
125 10.9 0.0 28.8



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



#22

Benzo(k)fluoranthene

Concen: 0.53 ng/ul

RT: 22.76 min Scan# 1477

Delta R.T. -0.03 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

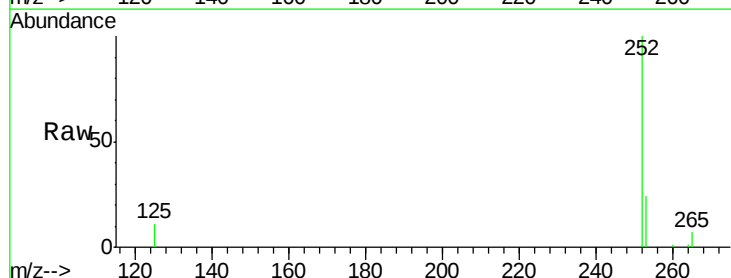
Tgt Ion:252 Resp: 17250

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

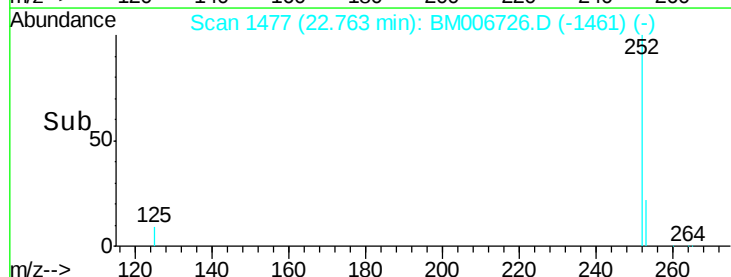
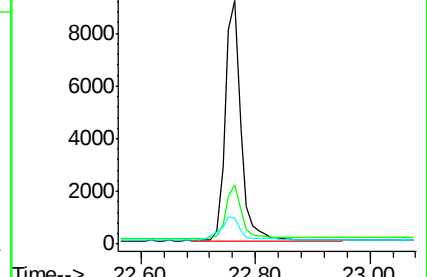
125 10.9 10.4 15.6

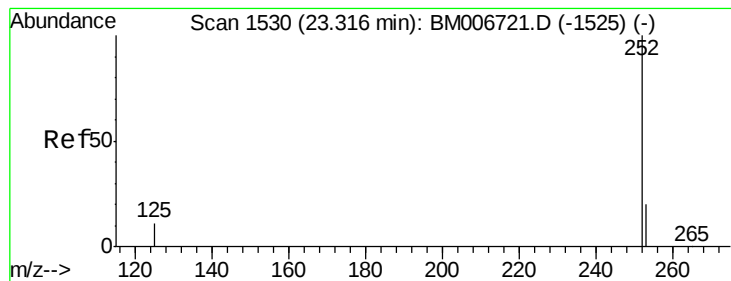


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.69 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. 0.01 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

Instrument :

BNA_M

ClientSampleId :

X2548

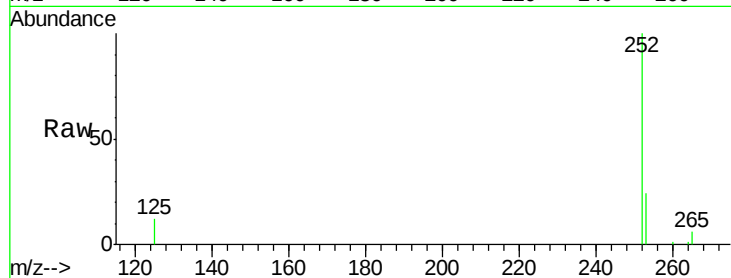
Tgt Ion:252 Resp: 21957

Ion Ratio Lower Upper

252 100

253 24.1 19.4 29.2

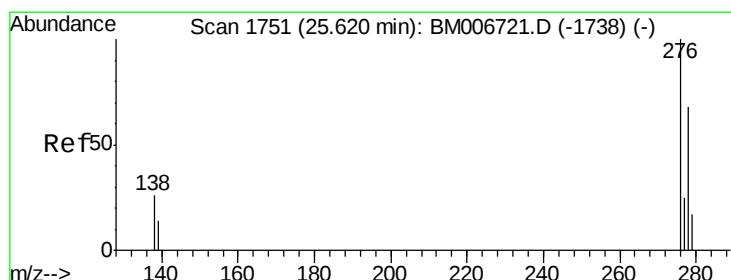
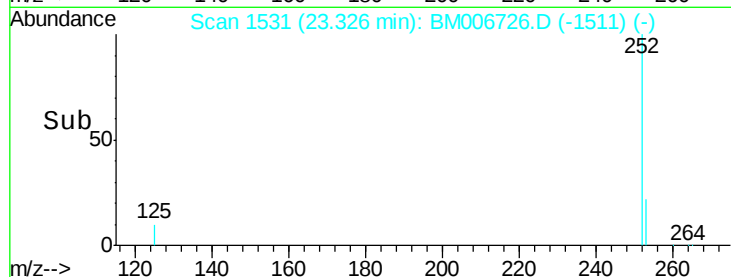
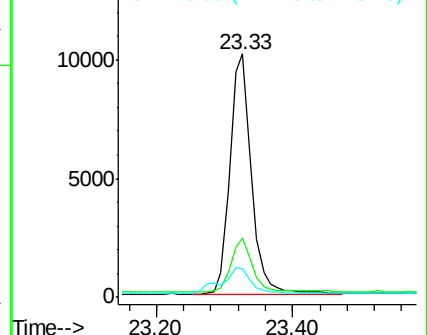
125 11.9 12.7 19.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng/ul

RT: 25.62 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM006726.D

Acq: 28 Jul 2016 17:51

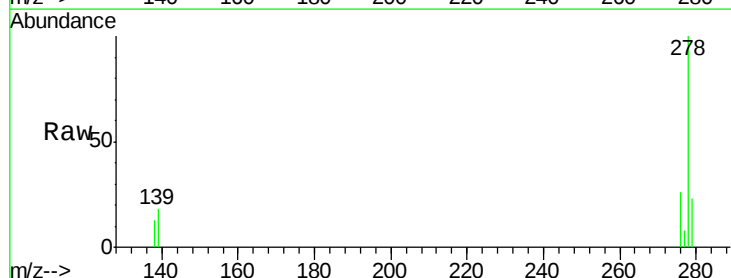
Tgt Ion:276 Resp: 10938

Ion Ratio Lower Upper

276 100

138 48.6 16.3 24.5#

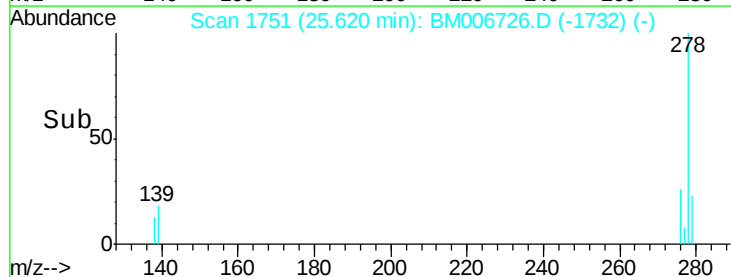
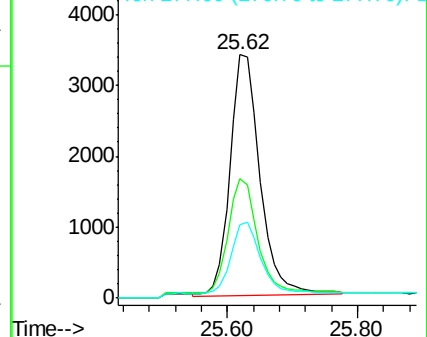
277 31.3 19.8 29.8#

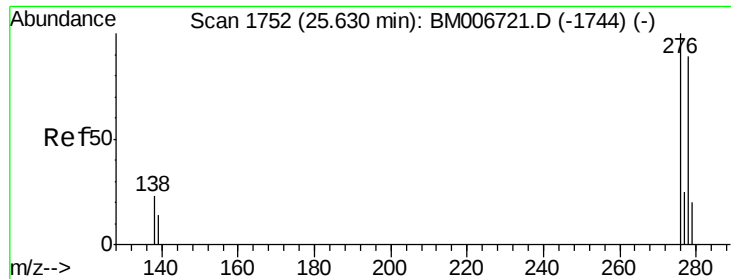


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



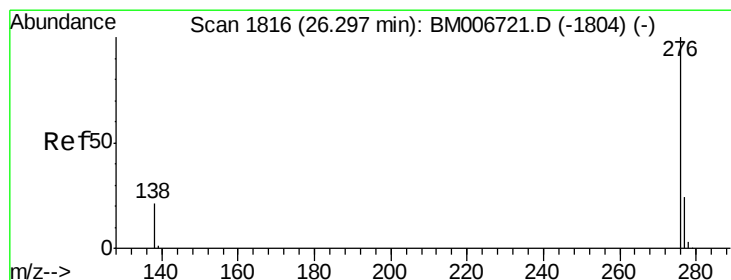
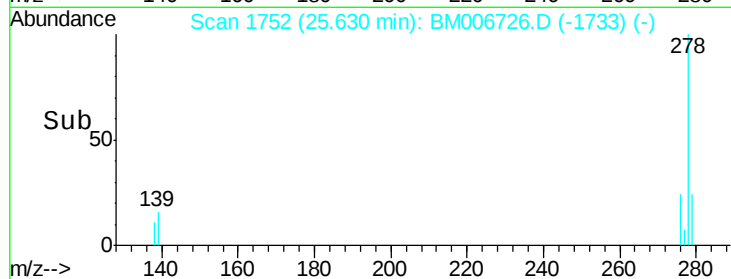
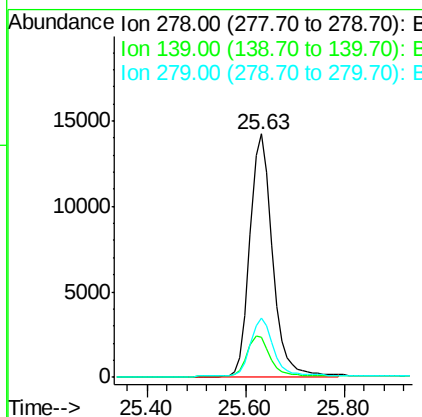
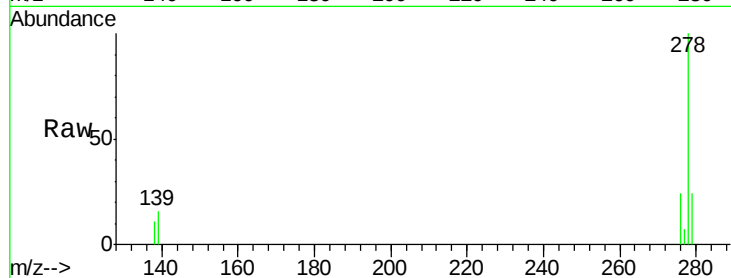


#25
Dibenzo(a,h)anthracene
Concen: 1.49 ng/ul
RT: 25.63 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BM006726.D
Acq: 28 Jul 2016 17:51

Instrument :
BNA_M
ClientSampleId :
X2548

Tgt Ion: 278 Resp: 44662

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.4	24.6#
279	24.4	20.2	30.2



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.32 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BM006726.D
Acq: 28 Jul 2016 17:51

Tgt Ion: 276 Resp: 139

Ion	Ratio	Lower	Upper
276	100		
277	82.4	18.9	28.3#
138	91.2	22.5	33.7#

