

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032015\
 Data File : BM000740.D
 Acq On : 20 Mar 2015 14:11
 Operator : TP/IZ
 Sample : G1581-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1M13

Quant Time: Mar 21 03:13:14 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	3198	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	11034	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	6032	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	10693	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	8354	0.40	ng/ul	0.01
20) Perylene-d12	23.42	264	7496	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	3904	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	6545	0.31	ng/ul	0.01

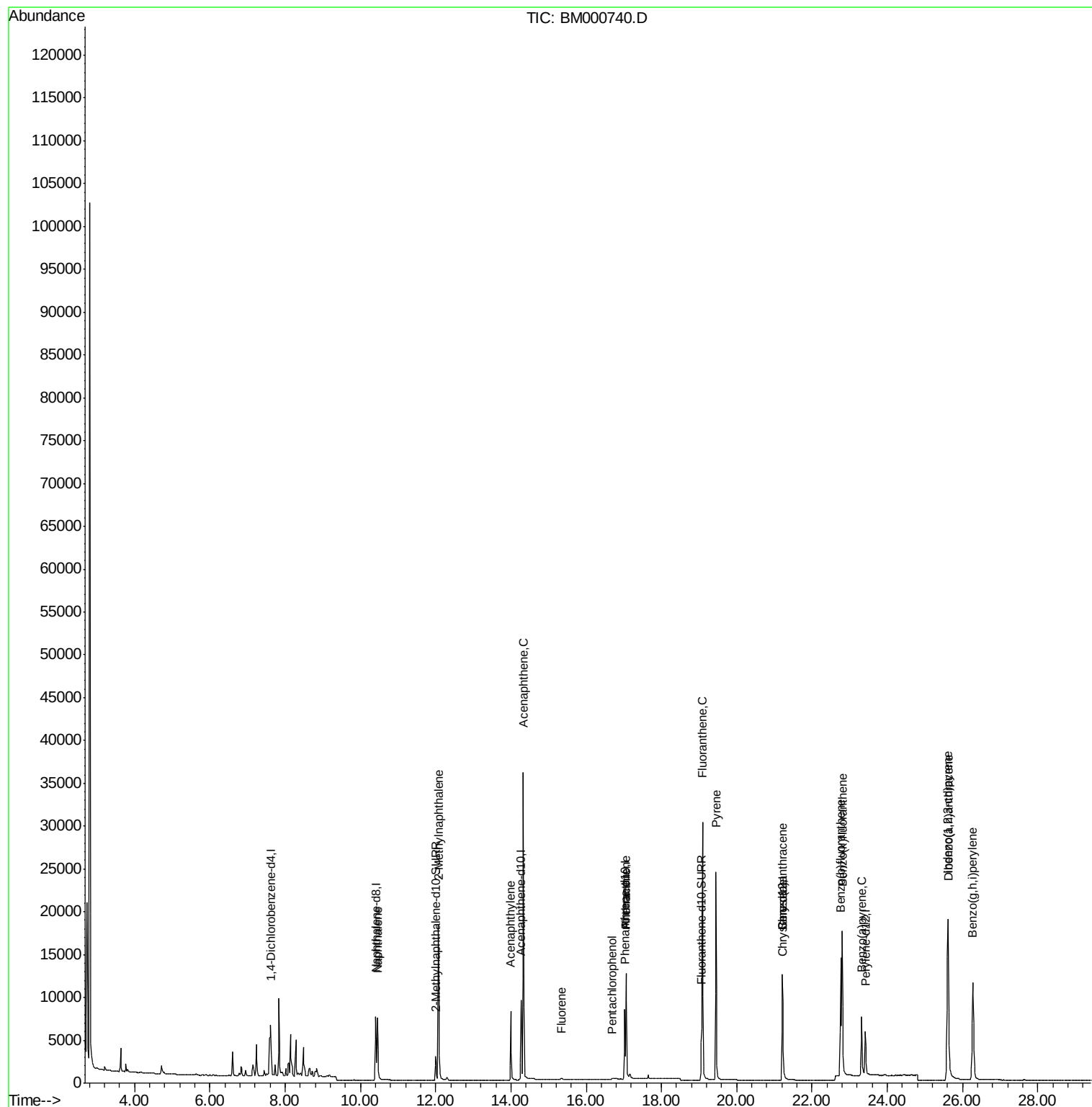
Target Compounds						Qvalue
3) Naphthalene	10.46	128	10705	0.41	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	14819	0.88	ng/ul	99
7) Acenaphthylene	14.00	152	11256	0.54	ng/ul	99
8) Acenaphthene	14.33	153	22523	1.33	ng/ul	99
9) Fluorene	15.34	166	109	0.01	ng/ul#	61
11) Pentachlorophenol	16.68	266	102	0.08	ng/ul	93
12) Phenanthrene	17.05	178	16655	0.58	ng/ul	99
13) Anthracene	17.05	178	16655	0.66	ng/ul	98
15) Fluoranthene	19.09	202	28902	0.91	ng/ul	99
17) Pyrene	19.45	202	23303	0.78	ng/ul	100
18) Benzo(a)anthracene	21.21	228	11794	0.51	ng/ul	94
19) Chrysene	21.21	228	11794	0.43	ng/ul#	90
21) Benzo(b)fluoranthene	22.76	252	18141	0.71	ng/ul	98
22) Benzo(k)fluoranthene	22.80	252	24417	0.93	ng/ul	97
23) Benzo(a)pyrene	23.31	252	11318	0.49	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.61	276	20227	0.75	ng/ul	98
25) Dibenzo(a,h)anthracene	25.62	278	20323	0.93	ng/ul	96
26) Benzo(g,h,i)perylene	26.27	276	22939	0.96	ng/ul	97

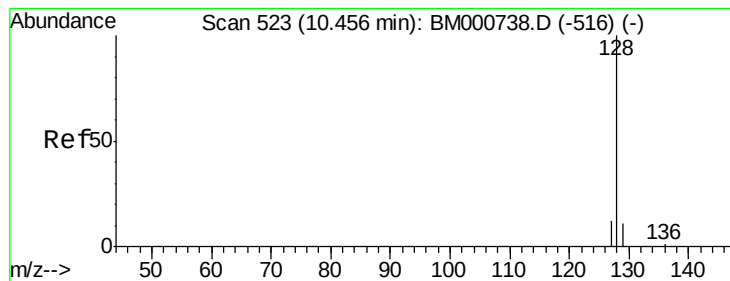
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

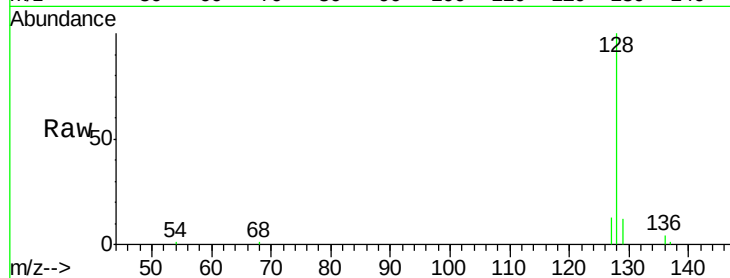
Tgt Ion:128 Resp: 10705

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

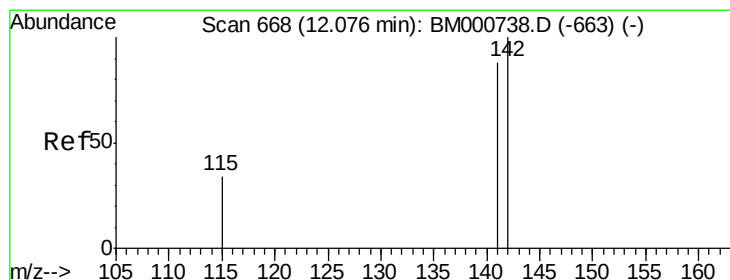
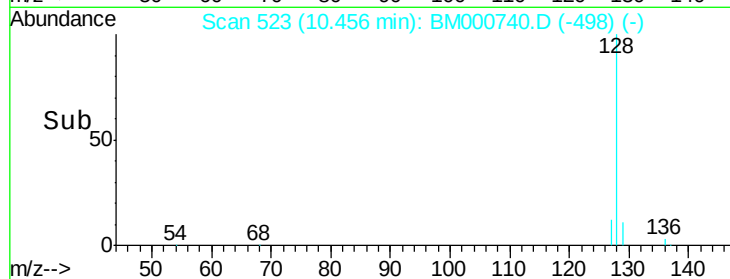
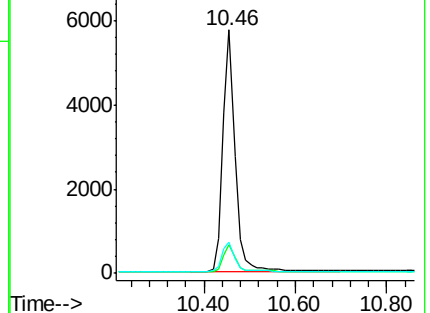
127 12.9 10.2 15.4



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: 0.88 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM000740.D

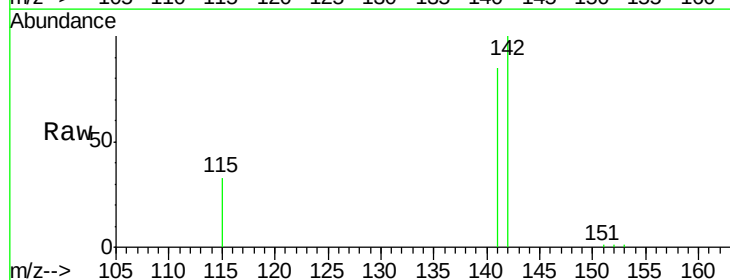
Acq: 20 Mar 2015 14:11

Tgt Ion:142 Resp: 14819

Ion Ratio Lower Upper

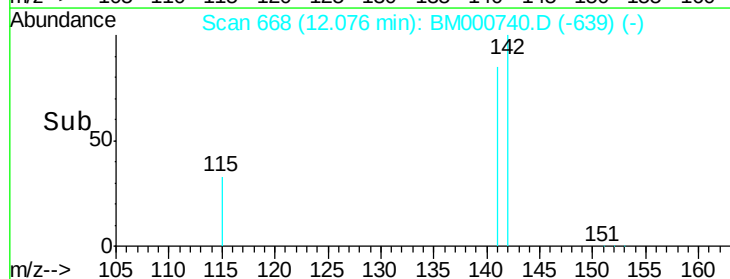
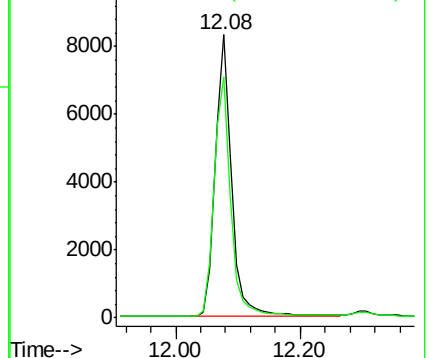
142 100

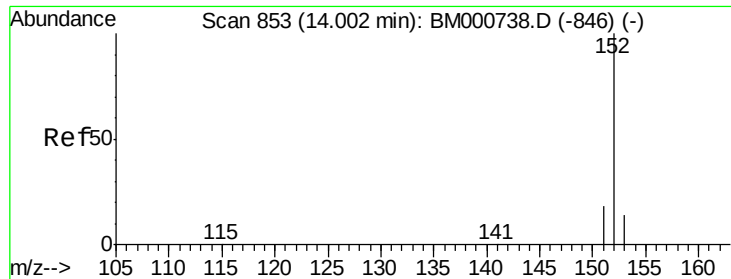
141 87.3 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.54 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

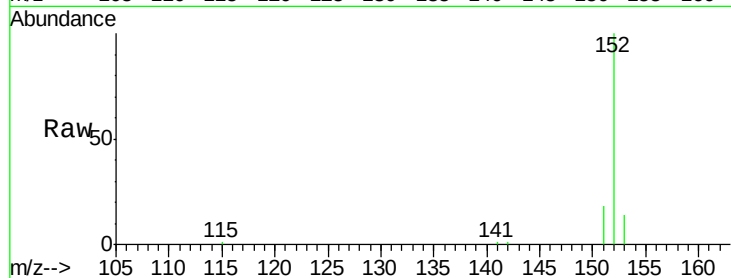
Tgt Ion:152 Resp: 11256

Ion Ratio Lower Upper

152 100

151 18.4 15.2 22.8

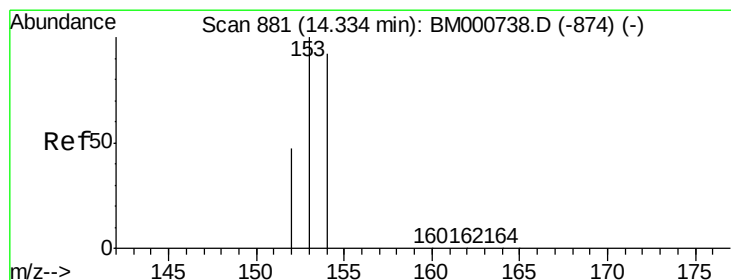
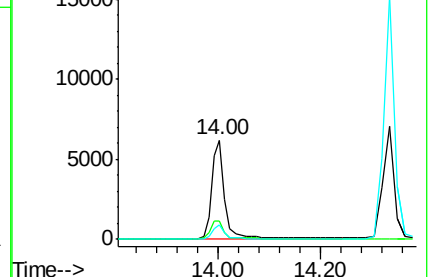
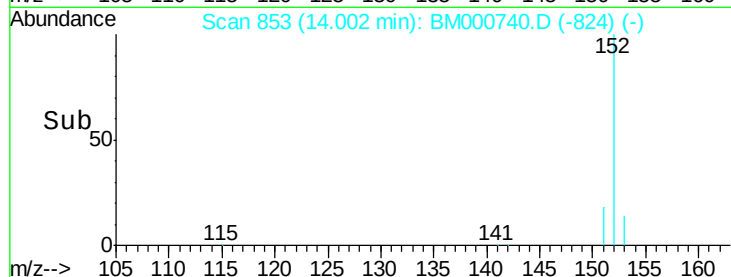
153 14.2 11.2 16.8



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: 1.33 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

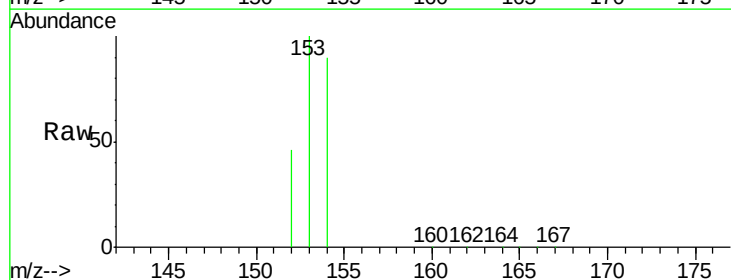
Tgt Ion:153 Resp: 22523

Ion Ratio Lower Upper

153 100

152 46.3 37.8 56.6

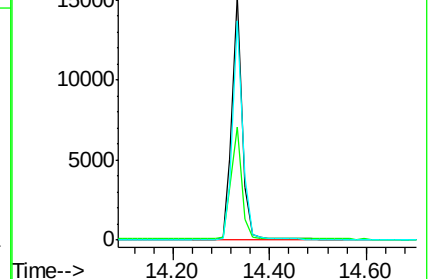
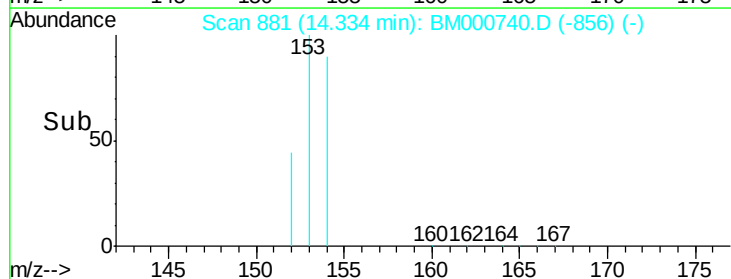
154 89.9 71.0 106.6

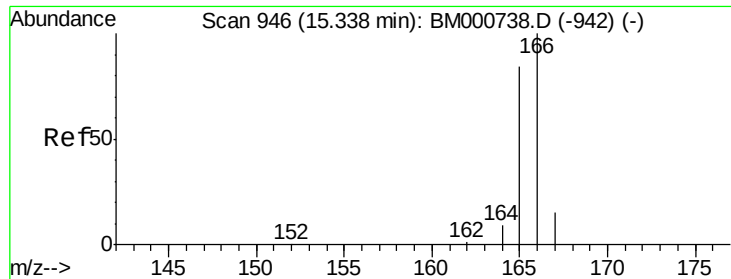


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

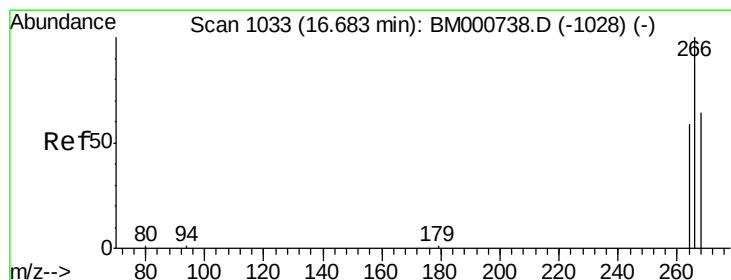
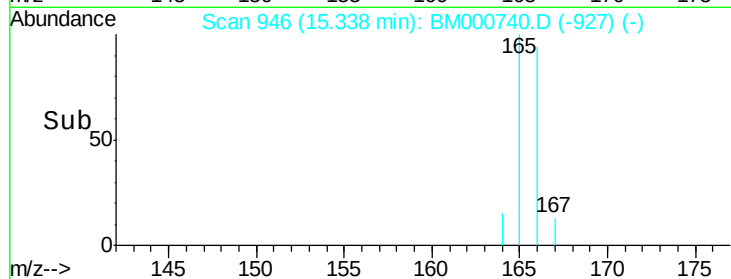
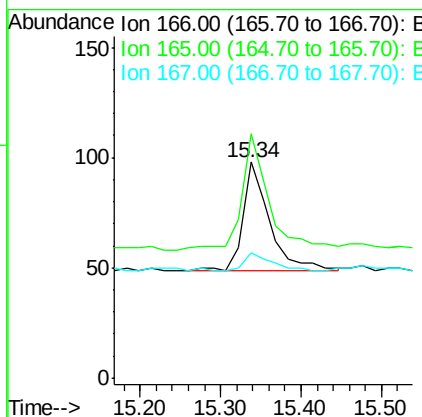
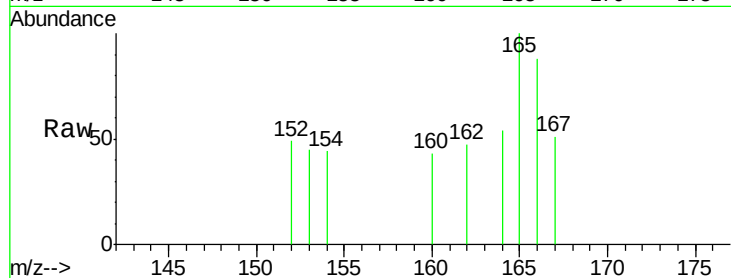




#9
Fluorene
 Concen: 0.01 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BM000740.D
 Acq: 20 Mar 2015 14:11

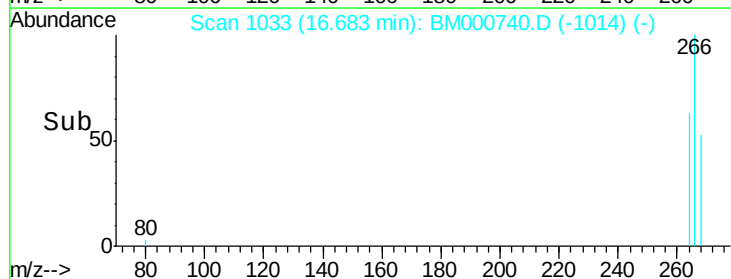
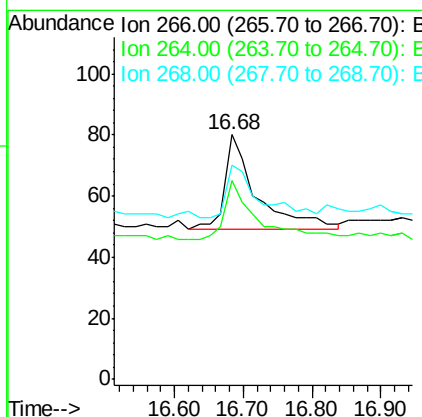
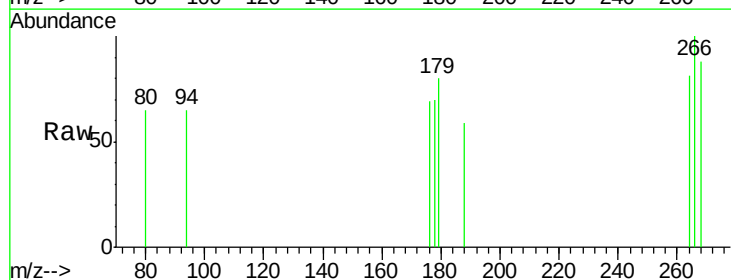
Instrument :
 BNA_M
 ClientSampleId :
 X1M13

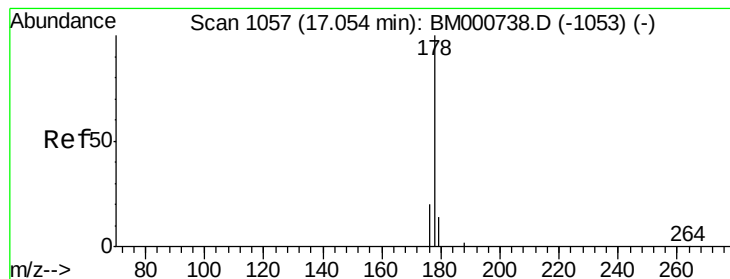
Tgt Ion:166 Resp: 109
 Ion Ratio Lower Upper
 166 100
 165 113.3 69.8 104.6#
 167 58.2 12.5 18.7#



#11
Pentachlorophenol
 Concen: 0.08 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM000740.D
 Acq: 20 Mar 2015 14:11

Tgt Ion:266 Resp: 102
 Ion Ratio Lower Upper
 266 100
 264 59.8 47.8 71.8
 268 53.9 51.7 77.5





#12

Phenanthrene

Concen: 0.58 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

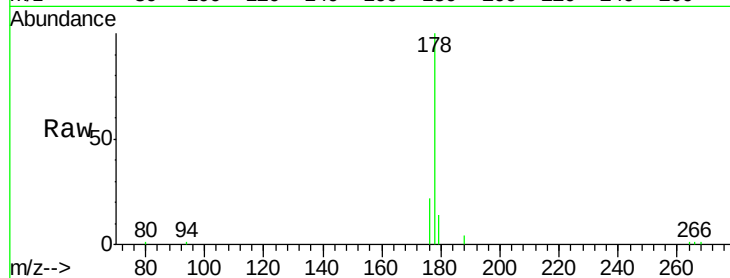
Tgt Ion:178 Resp: 16655

Ion Ratio Lower Upper

178 100

176 21.5 17.4 26.0

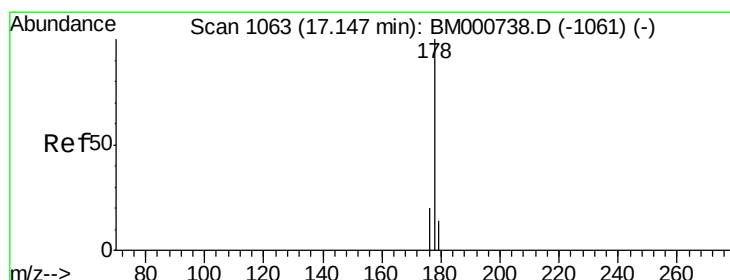
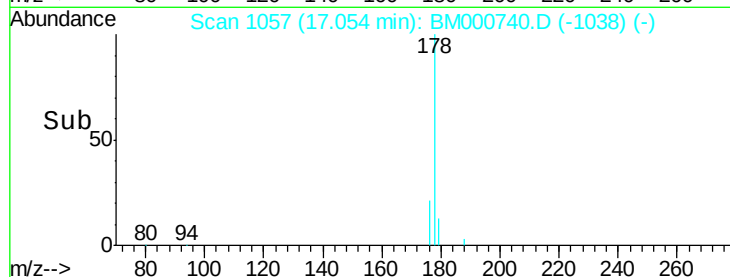
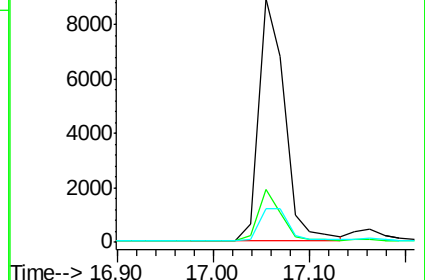
179 14.1 11.5 17.3



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: 0.66 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. -0.09 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

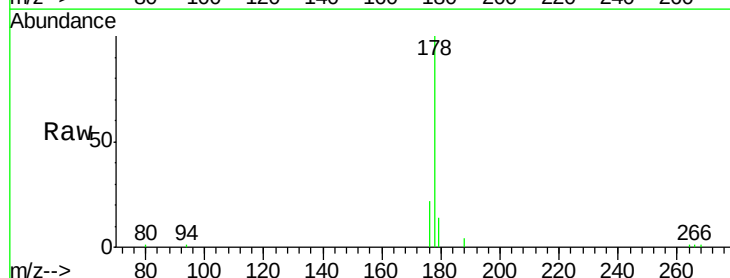
Tgt Ion:178 Resp: 16655

Ion Ratio Lower Upper

178 100

176 21.5 16.7 25.1

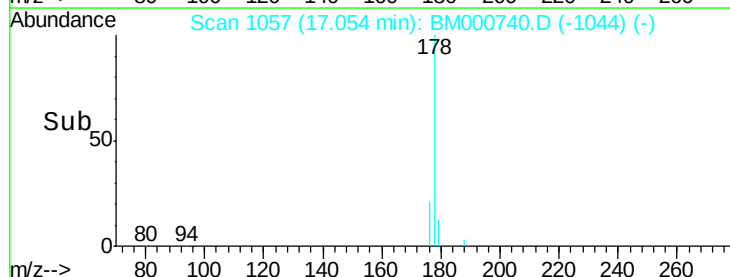
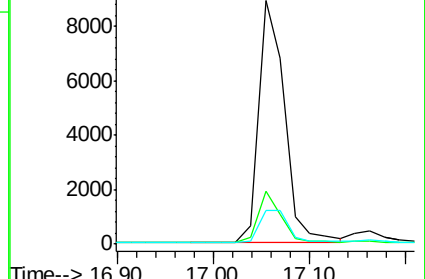
179 14.1 12.0 18.0

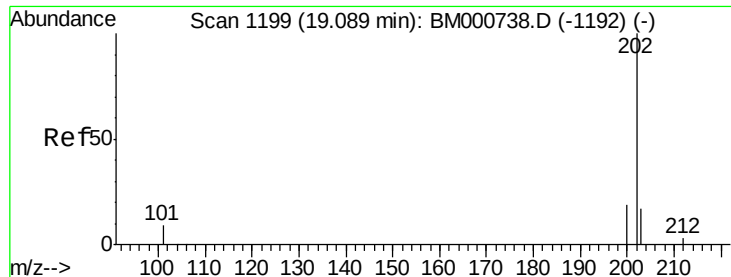


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.91 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

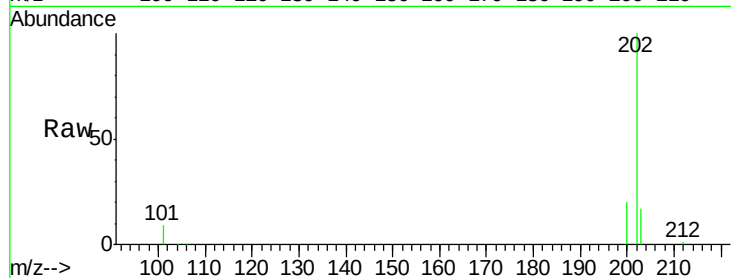
Tgt Ion:202 Resp: 28902

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.8

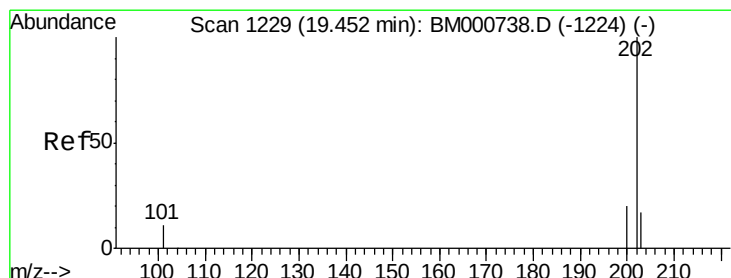
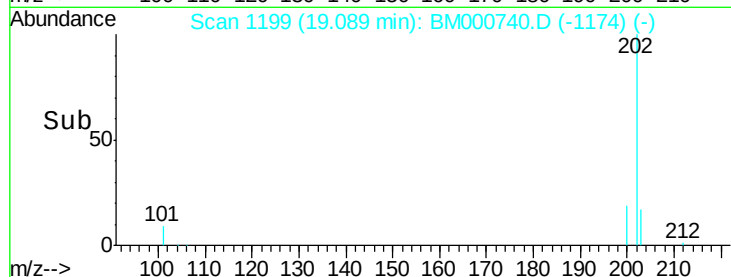
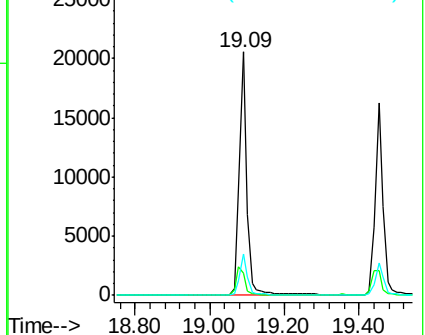
203 17.2 0.0 37.7



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: 0.78 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

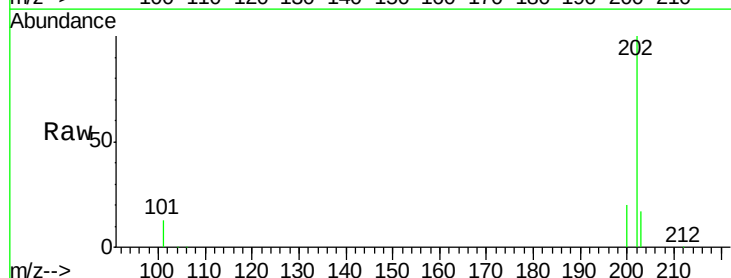
Tgt Ion:202 Resp: 23303

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

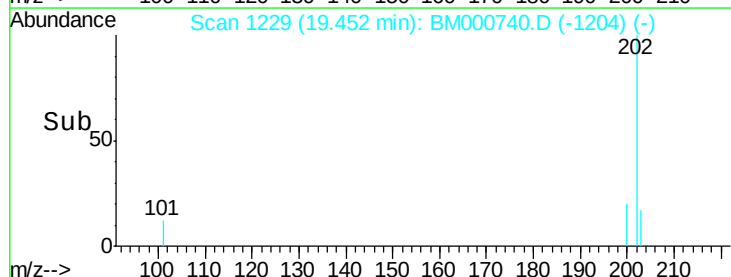
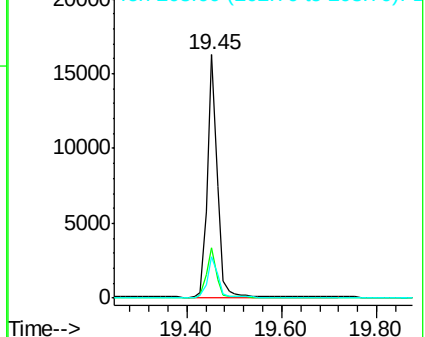
203 17.1 13.9 20.9

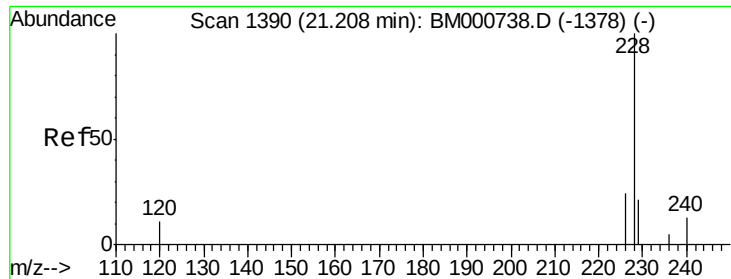


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

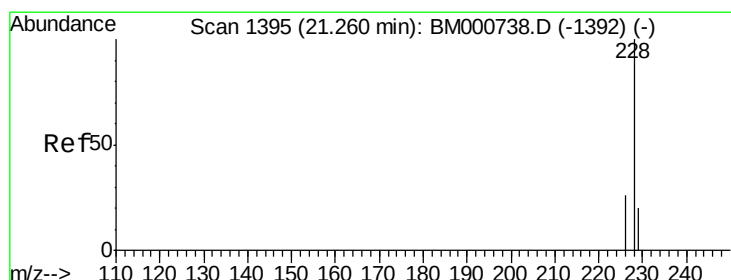
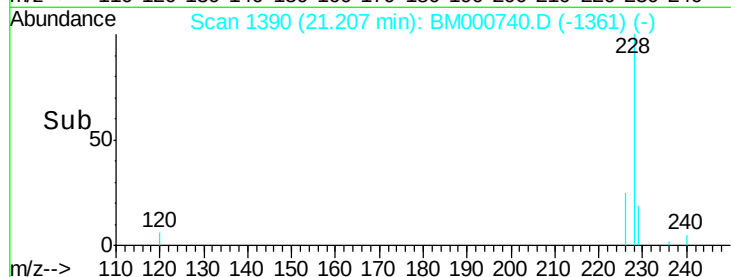
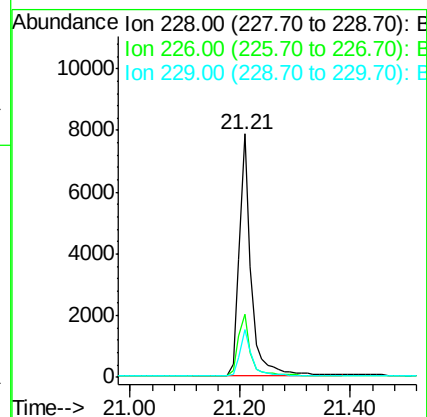
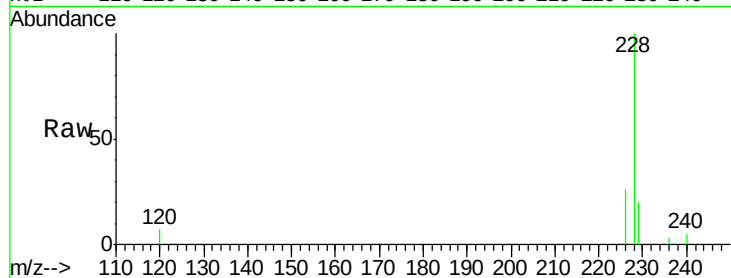
Tgt Ion:228 Resp: 11794

Ion Ratio Lower Upper

228 100

226 25.7 23.7 35.5

229 19.8 14.2 21.2



#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.05 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

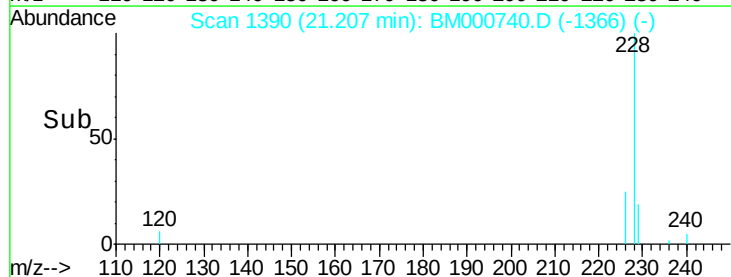
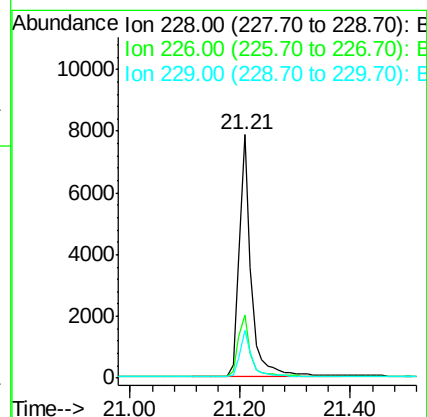
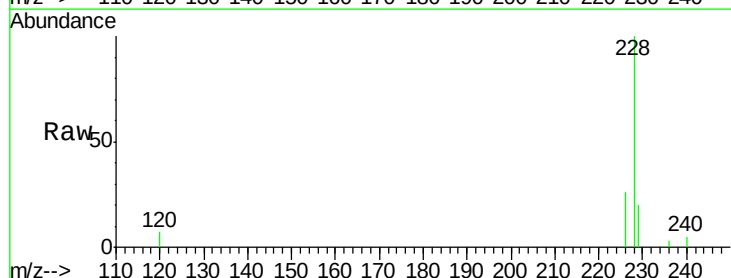
Tgt Ion:228 Resp: 11794

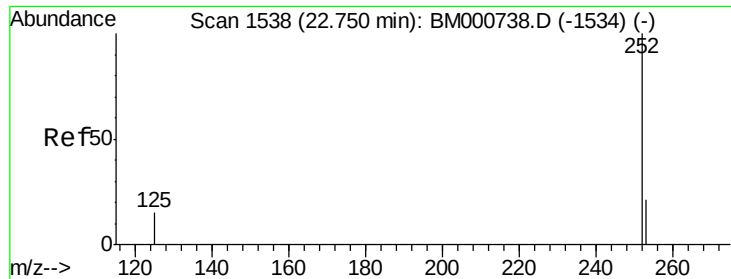
Ion Ratio Lower Upper

228 100

226 25.7 26.1 39.1#

229 19.8 13.9 20.9





#21

Benzo(b)fluoranthene

Concen: 0.71 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

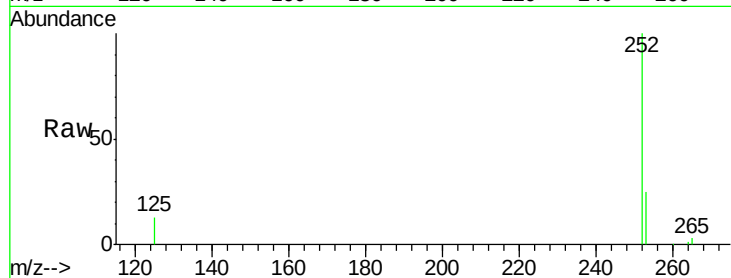
Tgt Ion:252 Resp: 18141

Ion Ratio Lower Upper

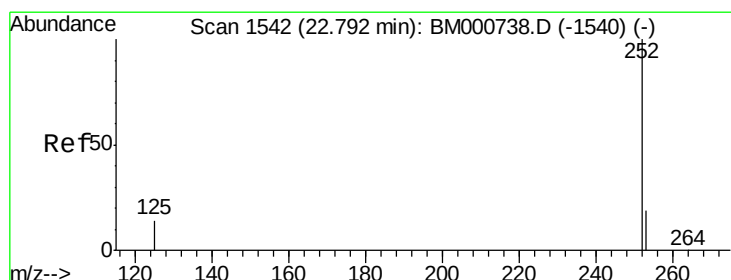
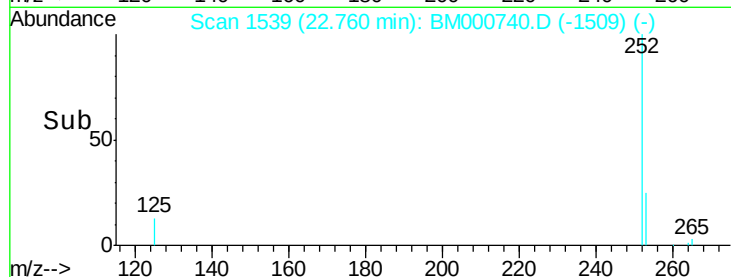
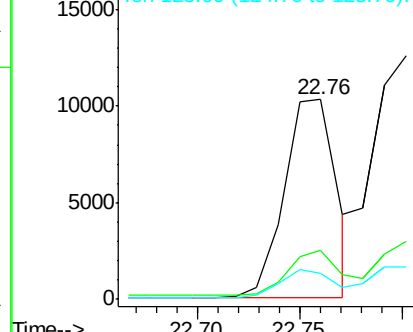
252 100

253 24.6 0.0 49.2

125 13.2 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: 0.93 ng/ul

RT: 22.80 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

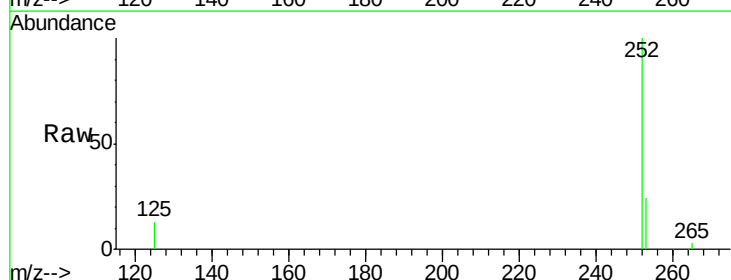
Tgt Ion:252 Resp: 24417

Ion Ratio Lower Upper

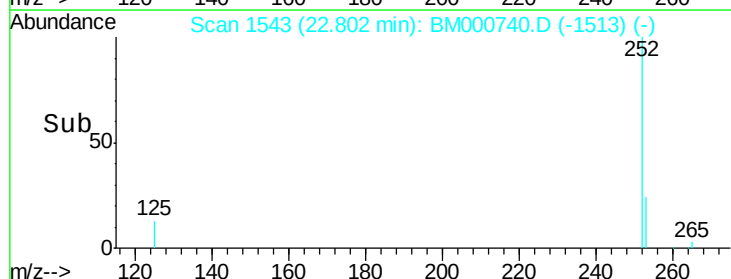
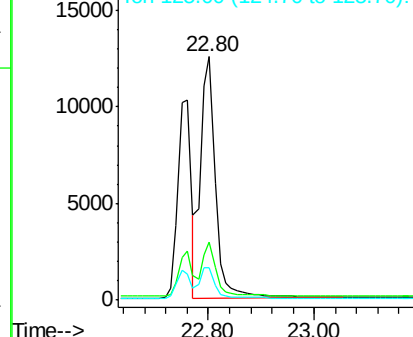
252 100

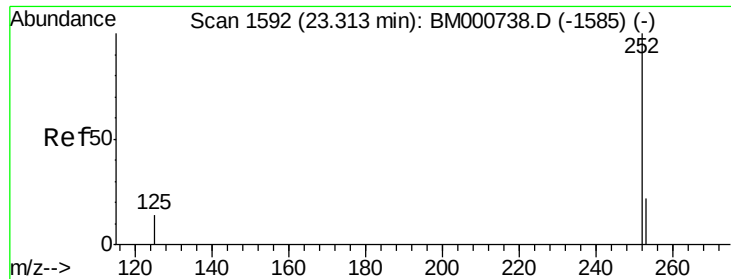
253 24.1 19.8 29.6

125 13.3 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: 0.49 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

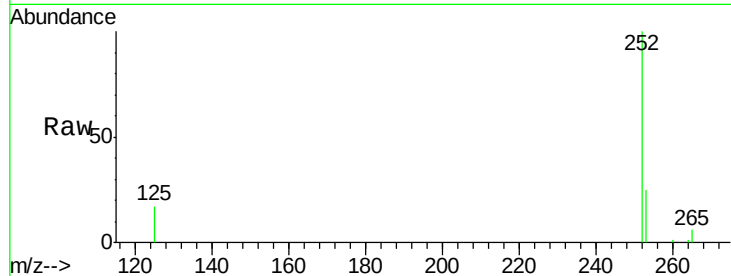
Tgt Ion: 252 Resp: 11318

Ion Ratio Lower Upper

252 100

253 25.0 21.5 32.3

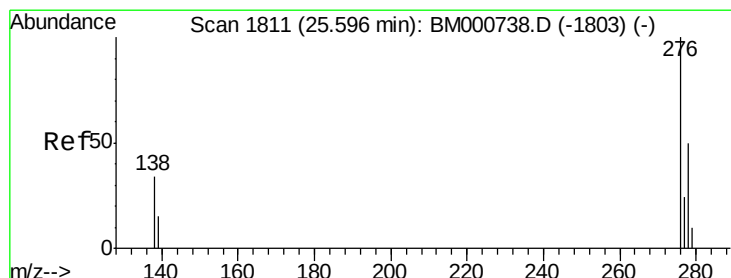
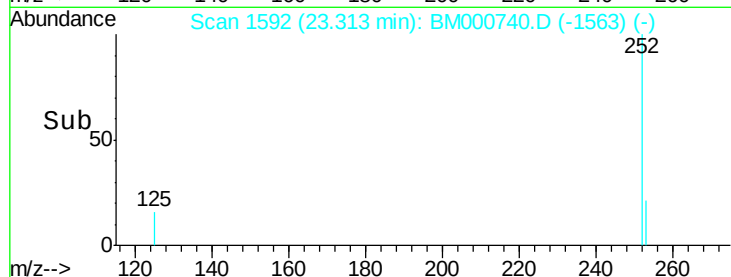
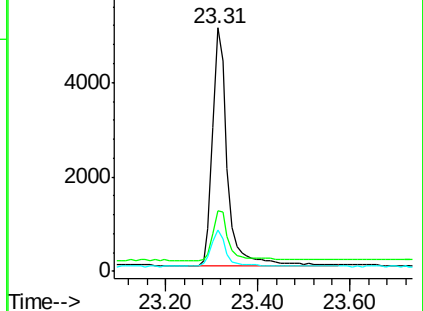
125 17.2 13.0 19.6



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: 0.75 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

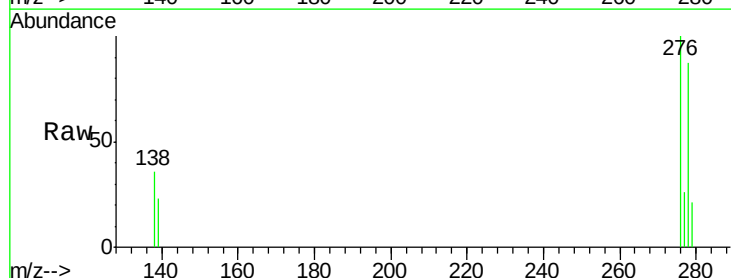
Tgt Ion: 276 Resp: 20227

Ion Ratio Lower Upper

276 100

138 36.8 27.8 41.8

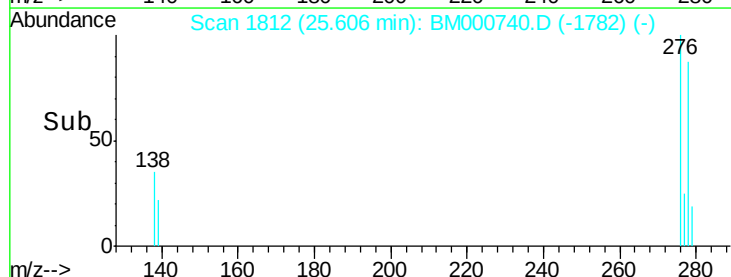
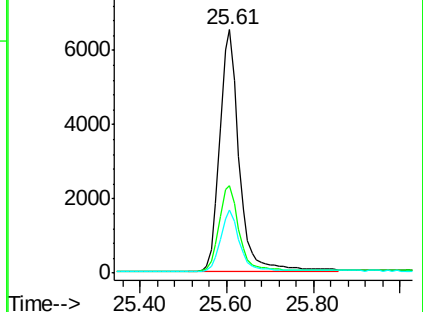
277 24.9 19.9 29.9

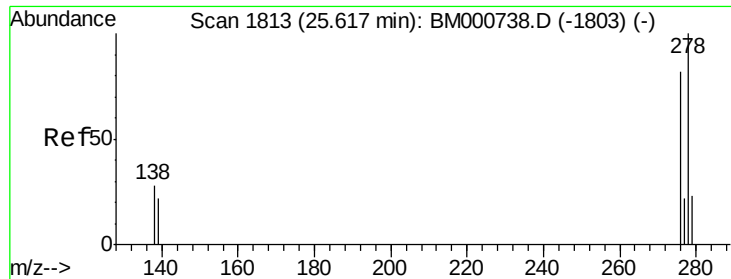


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.93 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

Instrument :

BNA_M

ClientSampleId :

X1M13

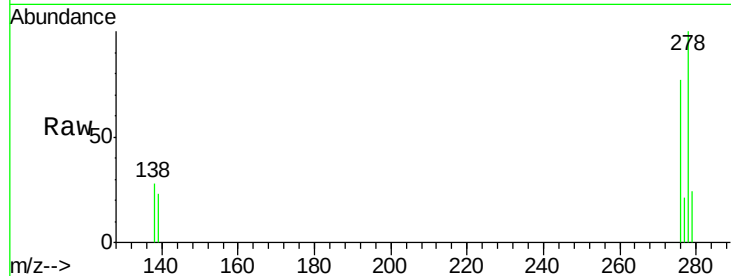
Tgt Ion:278 Resp: 20323

Ion Ratio Lower Upper

278 100

139 22.7 18.1 27.1

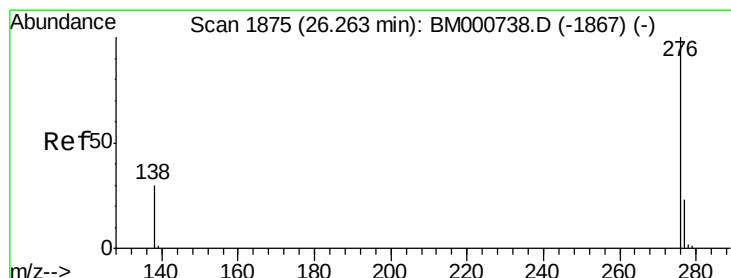
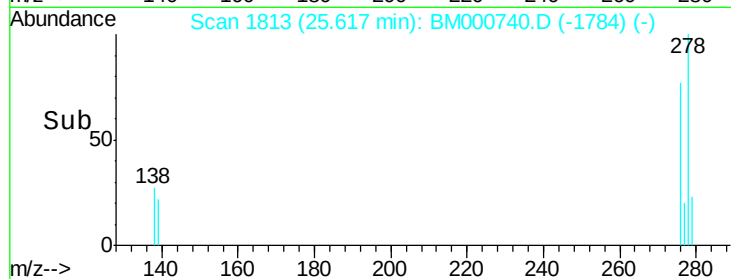
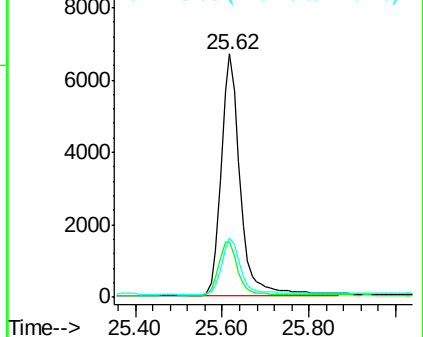
279 24.3 22.3 33.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.96 ng/ul

RT: 26.27 min Scan# 1876

Delta R.T. 0.01 min

Lab File: BM000740.D

Acq: 20 Mar 2015 14:11

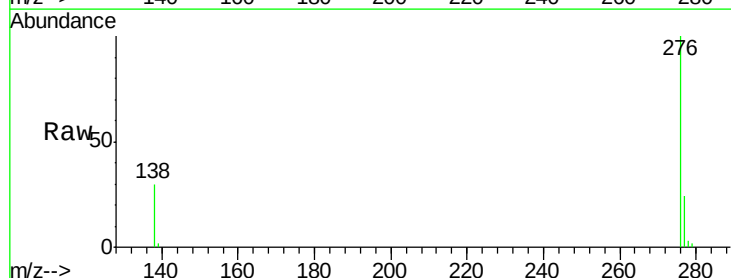
Tgt Ion:276 Resp: 22939

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 29.7 25.6 38.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

