

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032015\
 Data File : BM000742.D
 Acq On : 20 Mar 2015 15:22
 Operator : TP/IZ
 Sample : G1581-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1M18

Quant Time: Mar 21 03:13:51 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	2517	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	8889	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	4862	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	9102	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	8139	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	7559	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	2318	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	5371	0.30	ng/ul	0.01

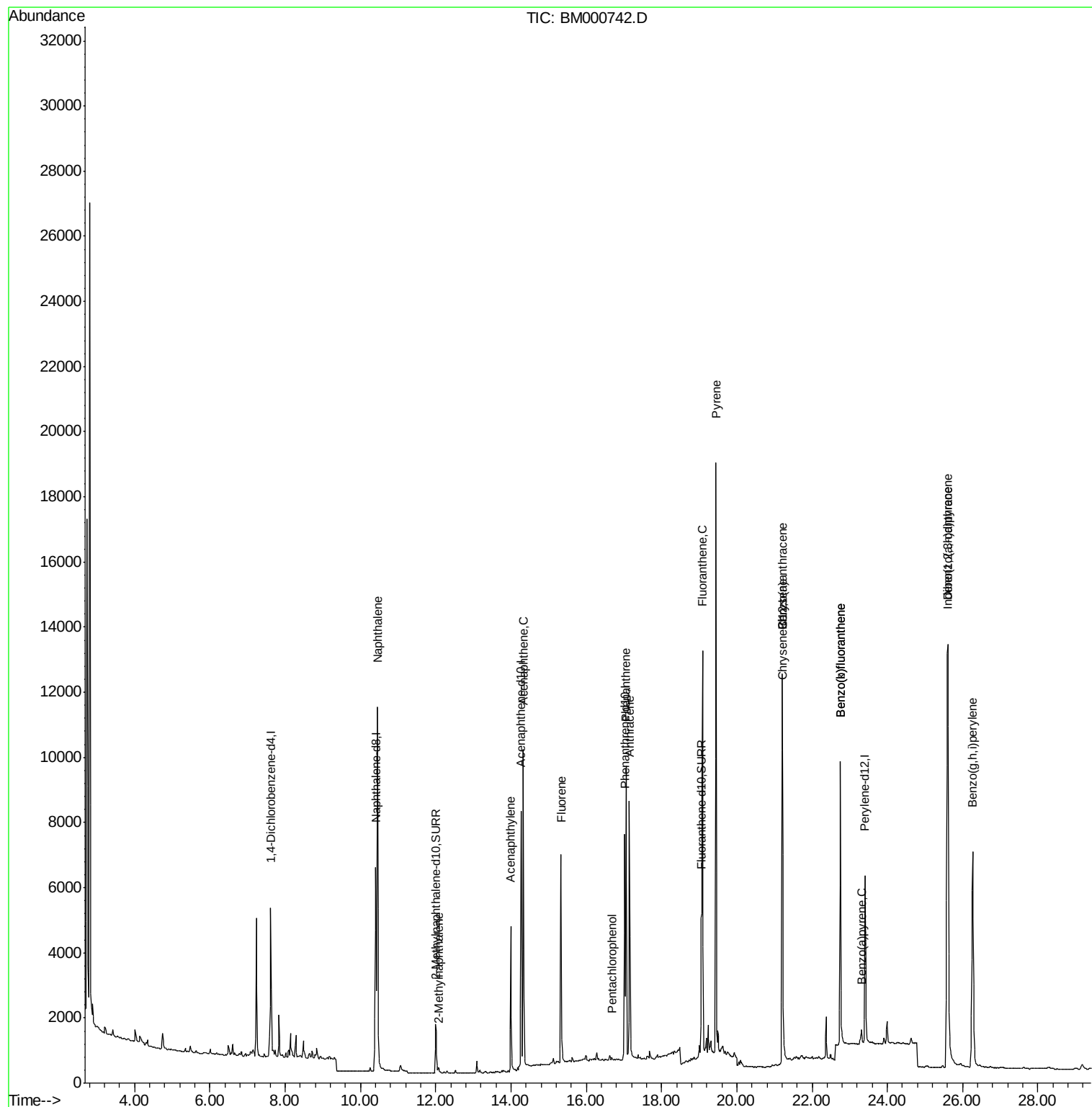
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	16855	0.80	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	121	0.01	ng/ul	96
7) Acenaphthylene	14.00	152	6191	0.37	ng/ul	98
8) Acenaphthene	14.33	153	6120	0.45	ng/ul	97
9) Fluorene	15.34	166	5862	0.38	ng/ul	98
11) Pentachlorophenol	16.68	266	84	0.07	ng/ul#	87
12) Phenanthrene	17.05	178	11039	0.45	ng/ul	99
13) Anthracene	17.15	178	9981	0.47	ng/ul	98
15) Fluoranthene	19.09	202	12125	0.45	ng/ul	96
17) Pyrene	19.45	202	16625	0.57	ng/ul	99
18) Benzo(a)anthracene	21.21	228	11320	0.50	ng/ul#	89
19) Chrysene	21.21	228	11320	0.42	ng/ul#	86
21) Benzo(b)fluoranthene	22.75	252	10982	0.43	ng/ul	96
22) Benzo(k)fluoranthene	22.75	252	10982	0.41	ng/ul#	96
23) Benzo(a)pyrene	23.31	252	632	0.03	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.60	276	16141	0.59	ng/ul	99
25) Dibenzo(a,h)anthracene	25.61	278	12364	0.56	ng/ul#	92
26) Benzo(g,h,i)perylene	26.26	276	13522	0.56	ng/ul	100

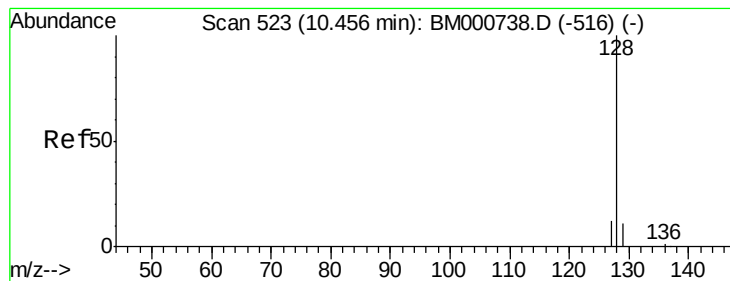
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.80 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

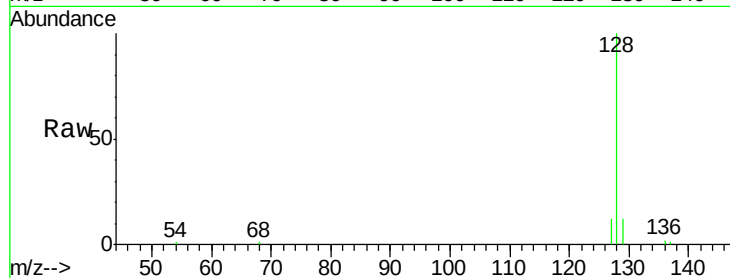
Tgt Ion:128 Resp: 16855

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

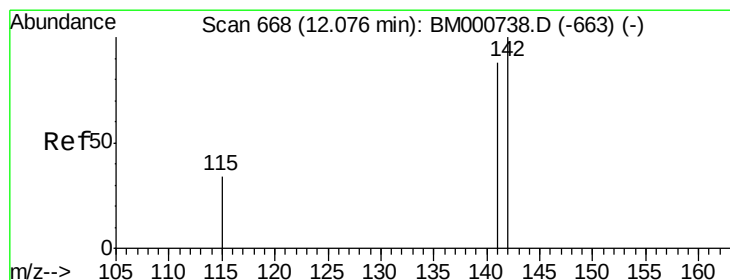
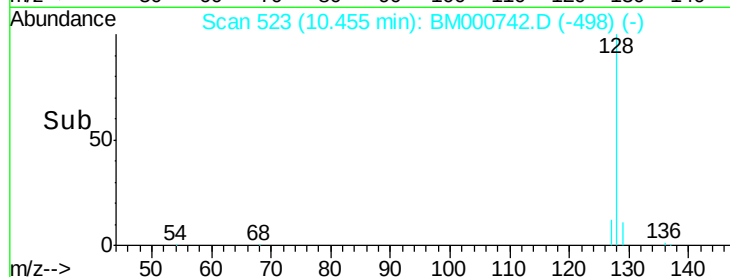
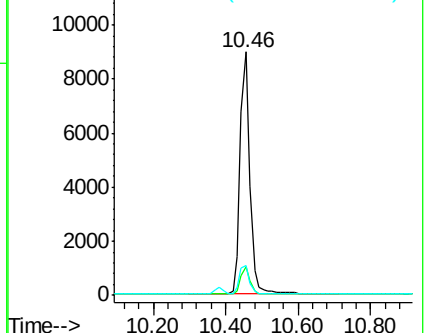
127 12.5 10.2 15.4



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: 0.01 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM000742.D

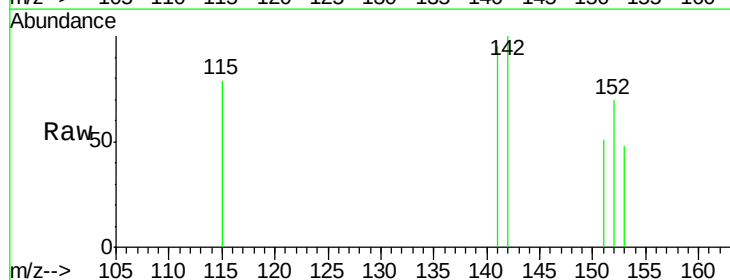
Acq: 20 Mar 2015 15:22

Tgt Ion:142 Resp: 121

Ion Ratio Lower Upper

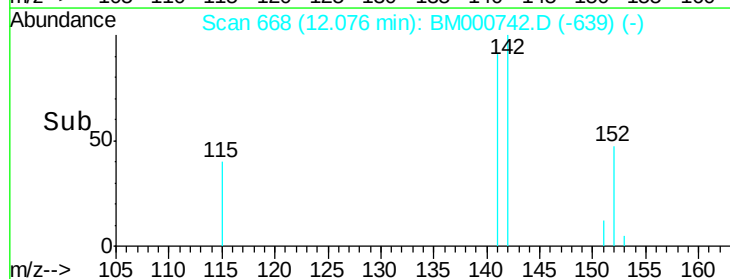
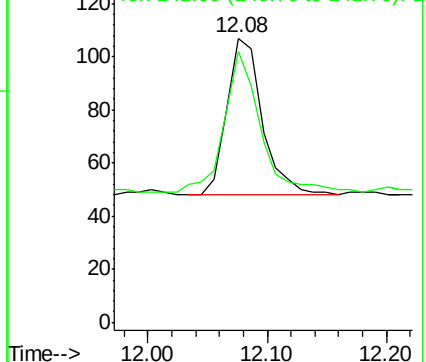
142 100

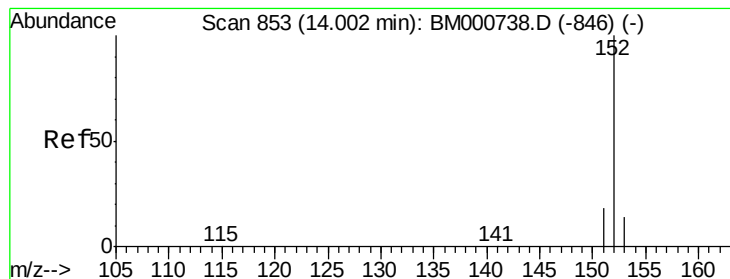
141 91.7 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.37 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

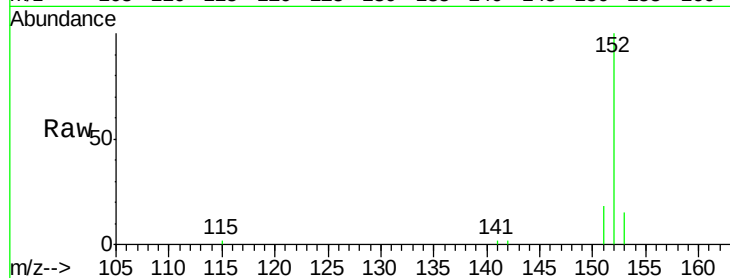
Tgt Ion:152 Resp: 6191

Ion Ratio Lower Upper

152 100

151 18.5 15.2 22.8

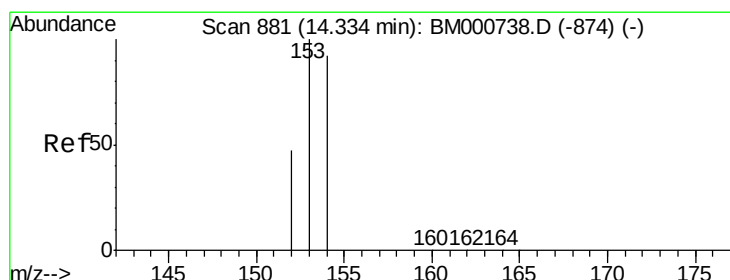
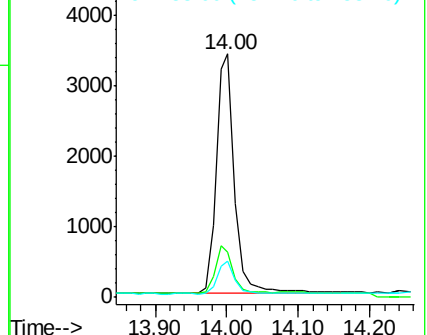
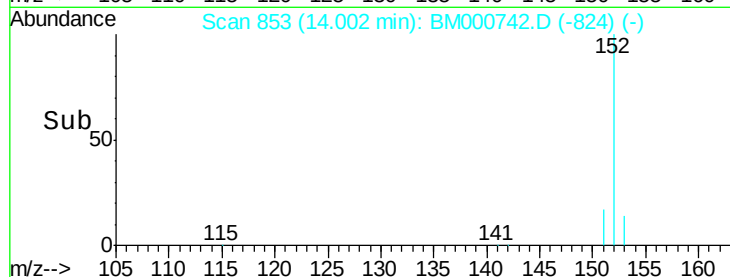
153 15.1 11.2 16.8



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: 0.45 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

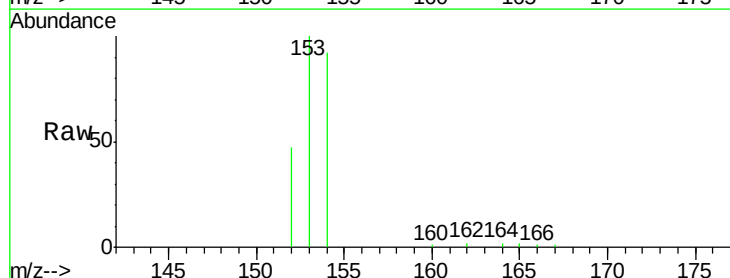
Tgt Ion:153 Resp: 6120

Ion Ratio Lower Upper

153 100

152 46.5 37.8 56.6

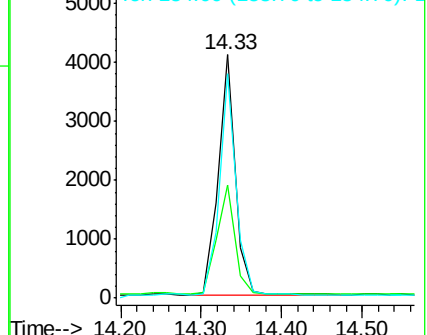
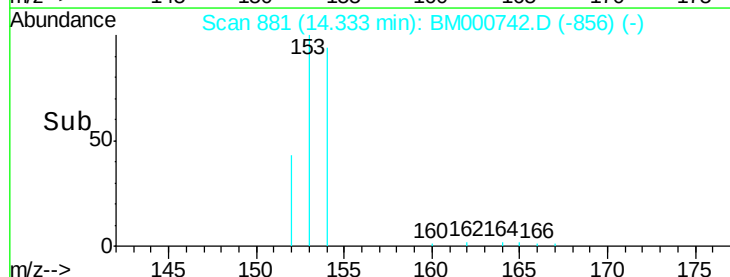
154 92.1 71.0 106.6

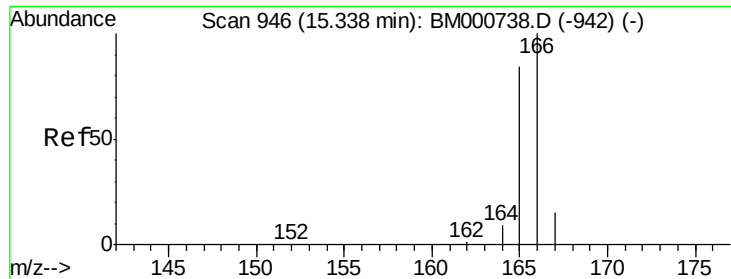


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

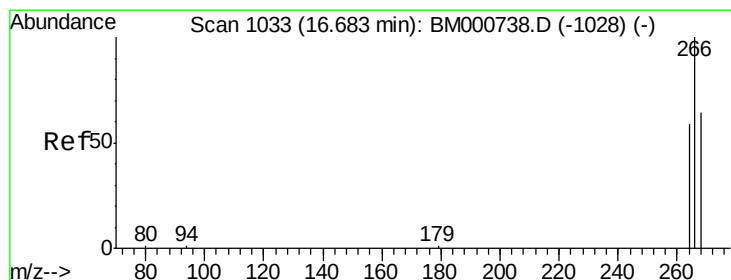
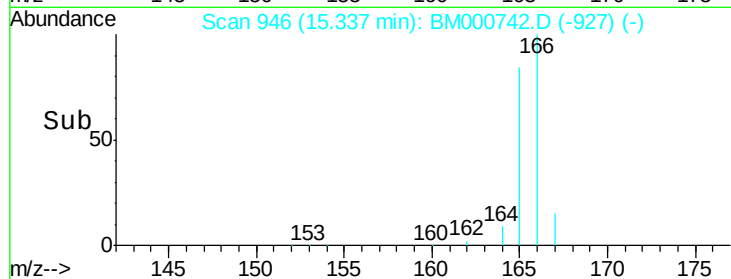
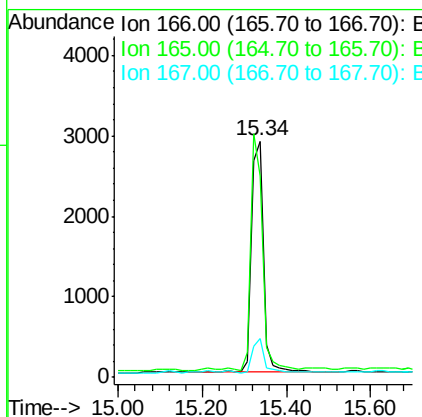
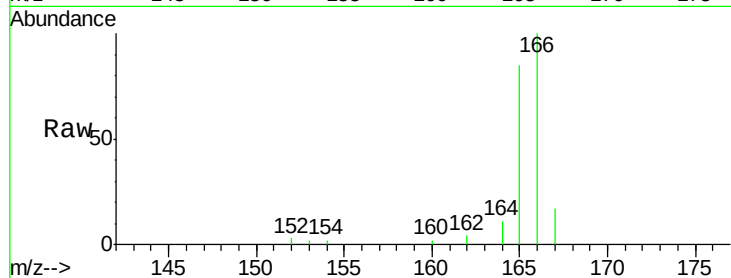




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BM000742.D
 Acq: 20 Mar 2015 15:22

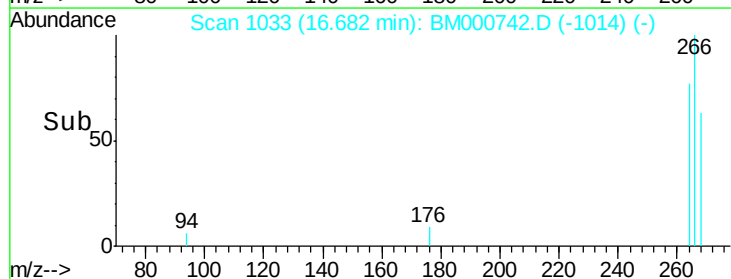
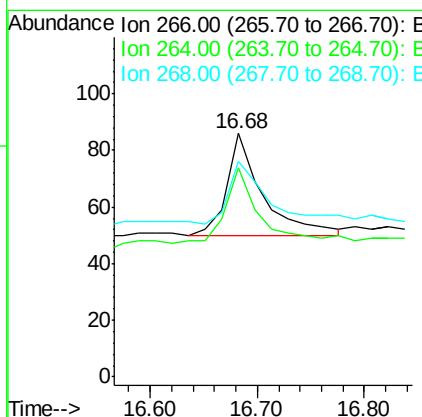
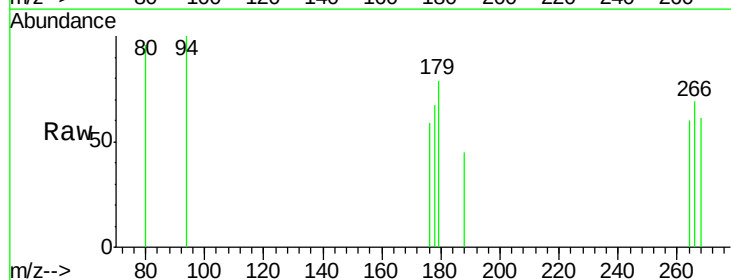
Instrument :
 BNA_M
 ClientSampleId :
 X1M18

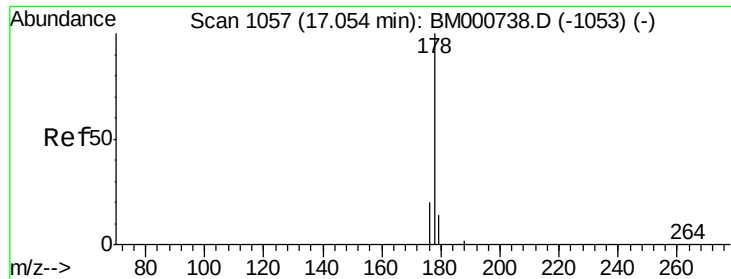
Tgt Ion:166 Resp: 5862
 Ion Ratio Lower Upper
 166 100
 165 85.1 69.8 104.6
 167 16.7 12.5 18.7



#11
Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM000742.D
 Acq: 20 Mar 2015 15:22

Tgt Ion:266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 75.0 47.8 71.8#
 268 69.0 51.7 77.5





#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

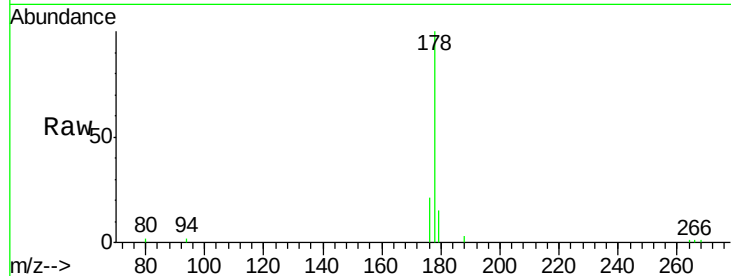
Tgt Ion:178 Resp: 11039

Ion Ratio Lower Upper

178 100

176 21.3 17.4 26.0

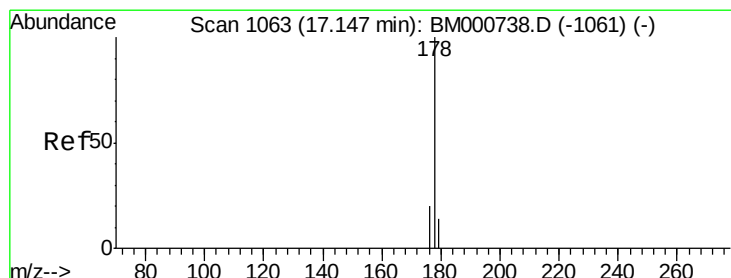
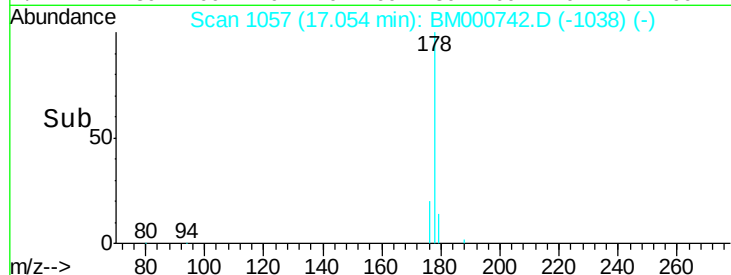
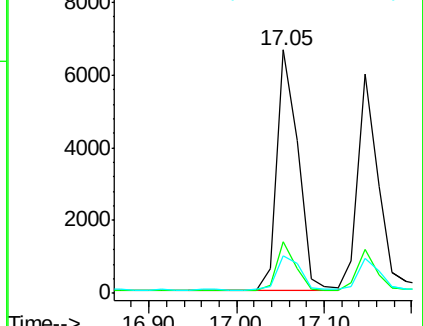
179 15.2 11.5 17.3



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: 0.47 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

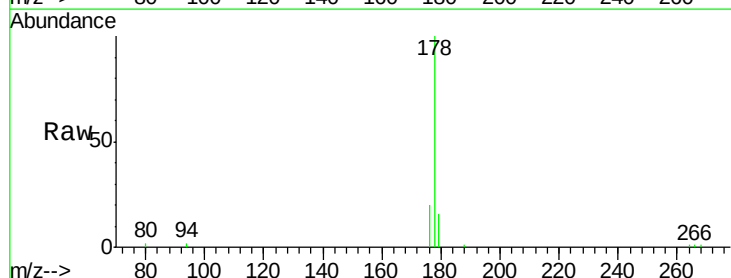
Tgt Ion:178 Resp: 9981

Ion Ratio Lower Upper

178 100

176 20.3 16.7 25.1

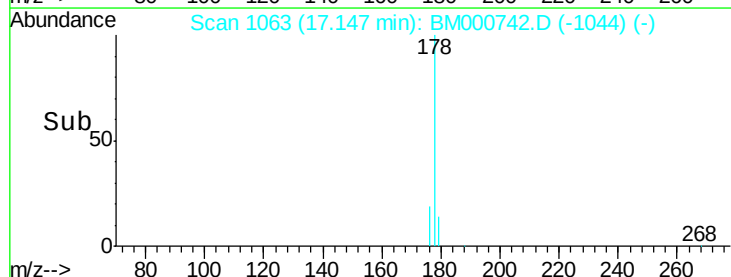
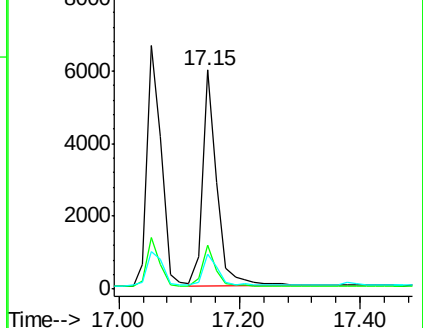
179 15.8 12.0 18.0

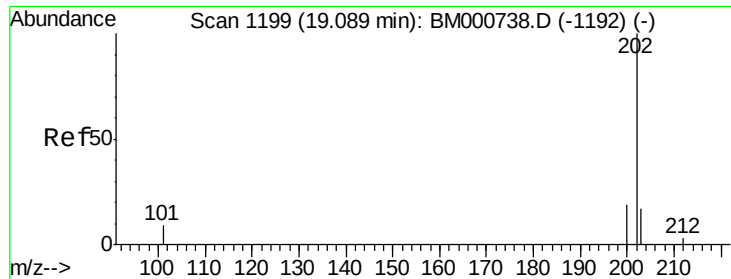


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

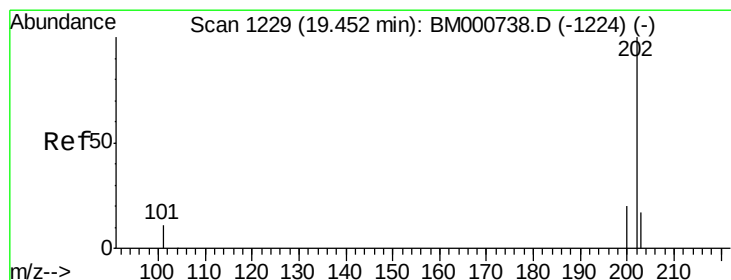
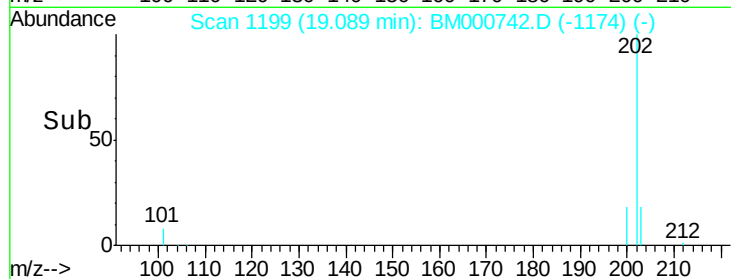
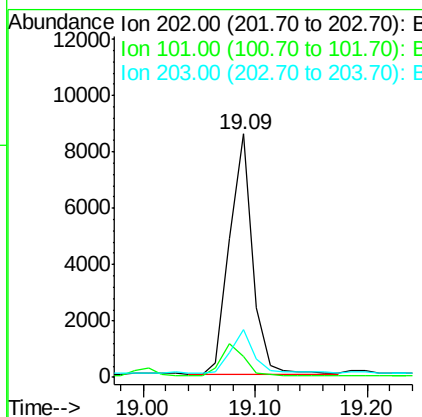
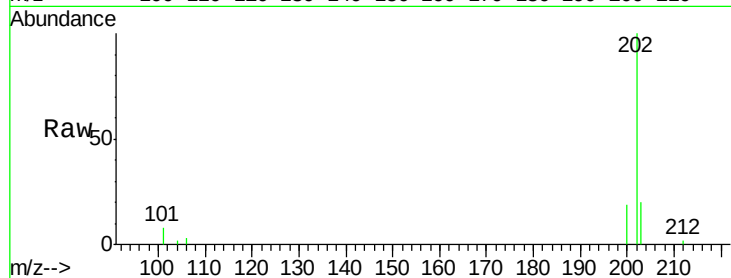




#15
 Fluoranthene
 Concen: 0.45 ng/ul
 RT: 19.09 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BM000742.D
 Acq: 20 Mar 2015 15:22

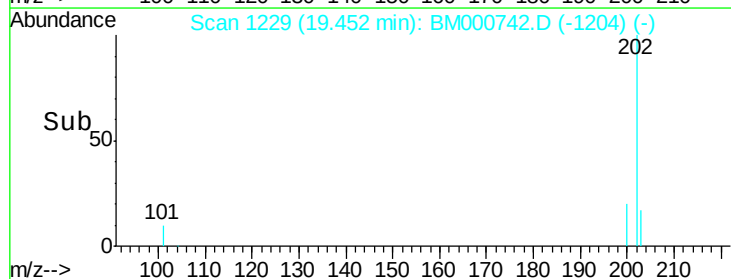
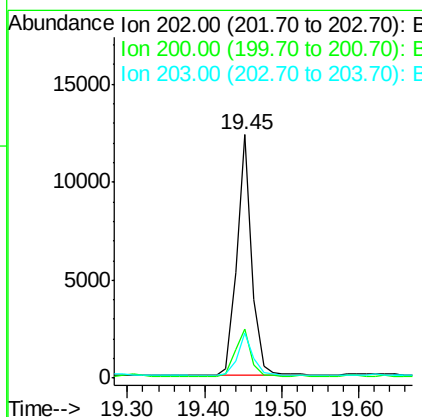
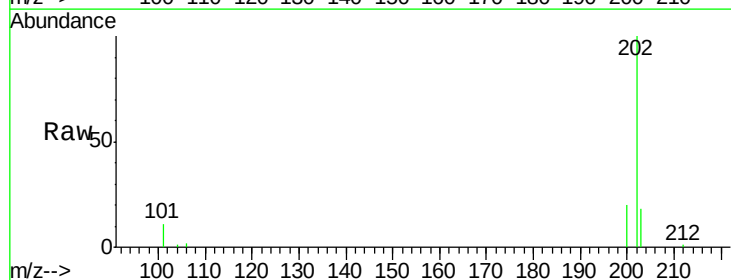
Instrument :
 BNA_M
 ClientSampleId :
 X1M18

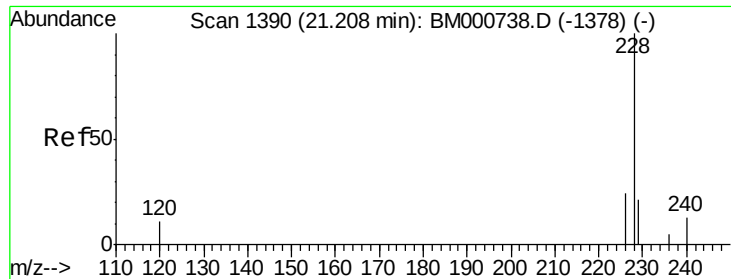
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	29.8
203	19.8	0.0	37.7



#17
 Pyrene
 Concen: 0.57 ng/ul
 RT: 19.45 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BM000742.D
 Acq: 20 Mar 2015 15:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	18.4	13.9	20.9





#18

Benzo(a)anthracene

Concen: 0.50 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

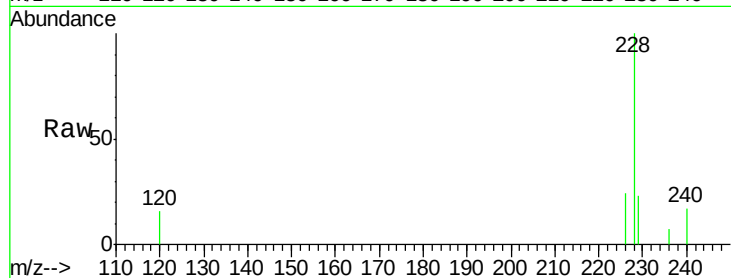
Tgt Ion:228 Resp: 11320

Ion Ratio Lower Upper

228 100

226 23.8 23.7 35.5

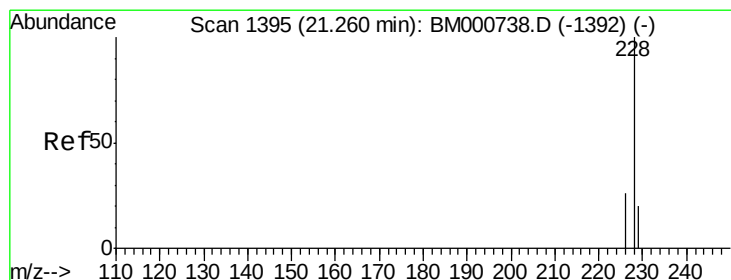
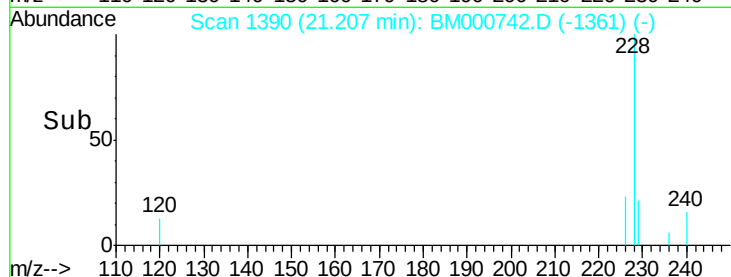
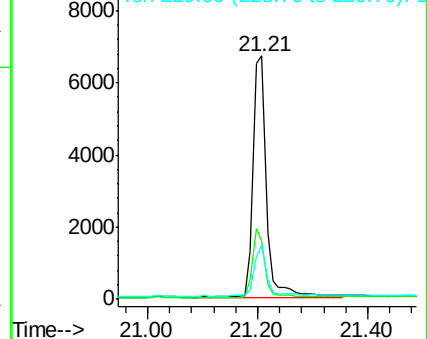
229 22.5 14.2 21.2#



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: 0.42 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.05 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

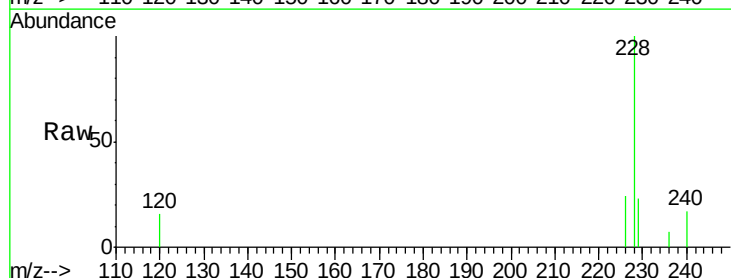
Tgt Ion:228 Resp: 11320

Ion Ratio Lower Upper

228 100

226 23.8 26.1 39.1#

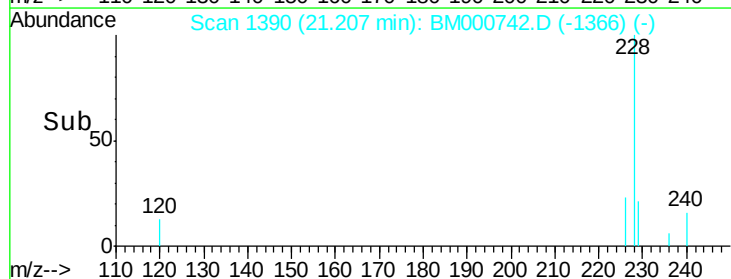
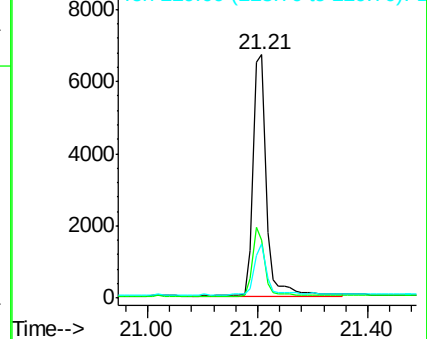
229 22.5 13.9 20.9#

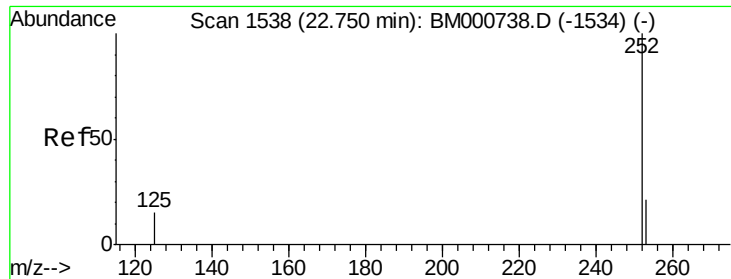


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 22.75 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

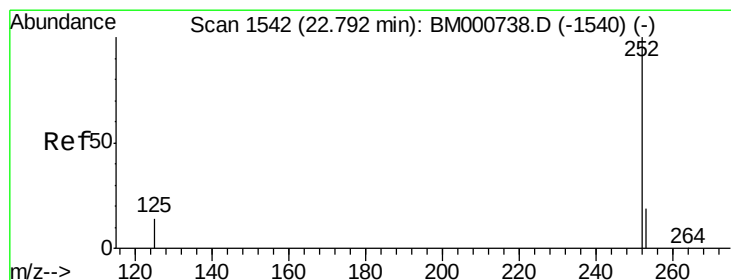
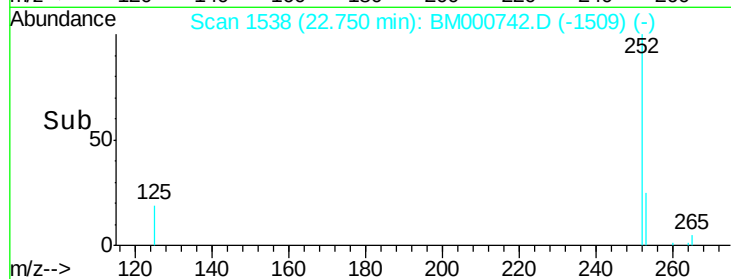
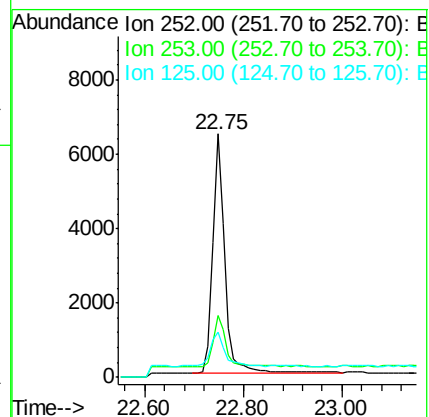
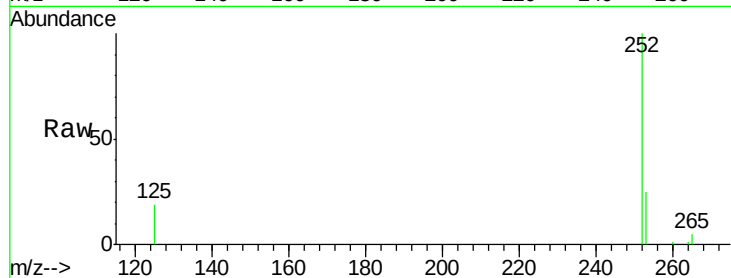
Tgt Ion:252 Resp: 10982

Ion Ratio Lower Upper

252 100

253 25.2 0.0 49.2

125 18.6 0.0 30.0



#22

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 22.75 min Scan# 1538

Delta R.T. -0.04 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

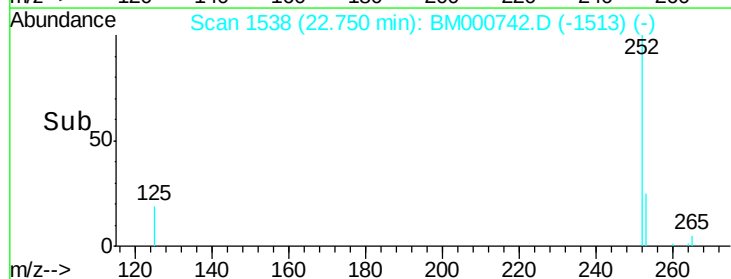
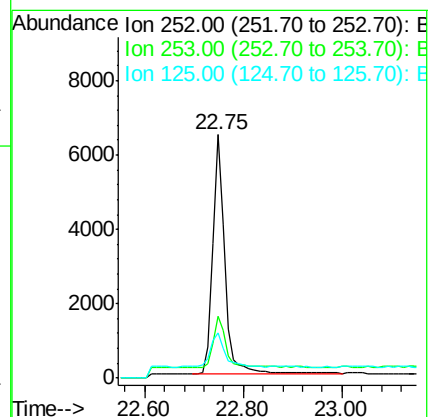
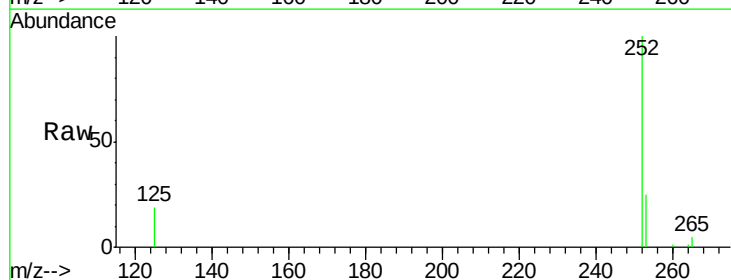
Tgt Ion:252 Resp: 10982

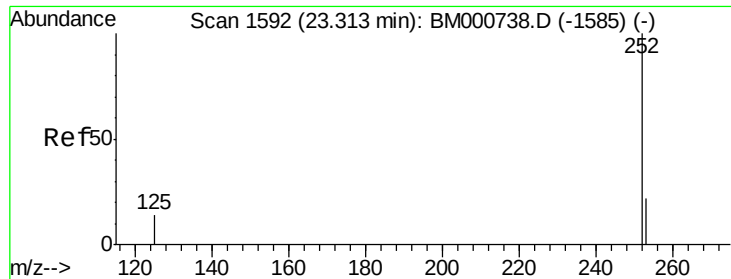
Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.6

125 18.6 12.2 18.2#





#23

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

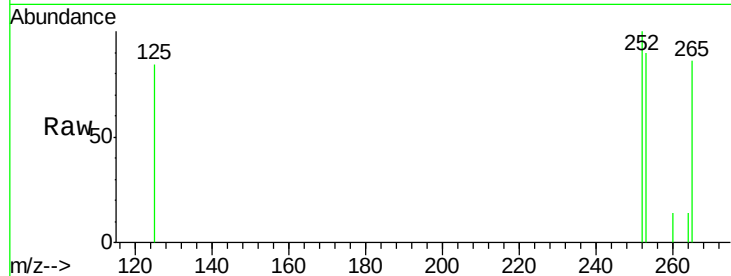
Tgt Ion:252 Resp: 632

Ion Ratio Lower Upper

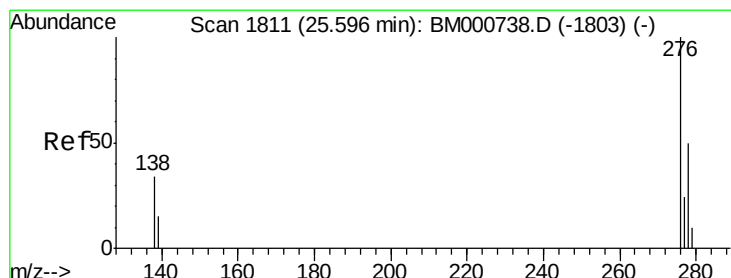
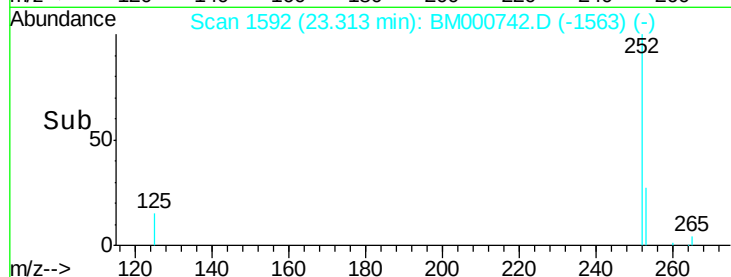
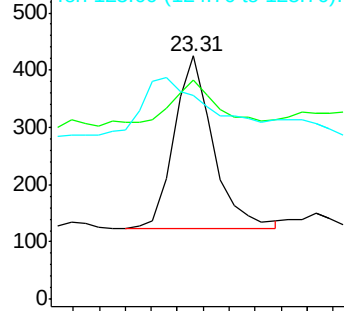
252 100

253 90.1 21.5 32.3#

125 83.8 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: 0.59 ng/ul

RT: 25.60 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

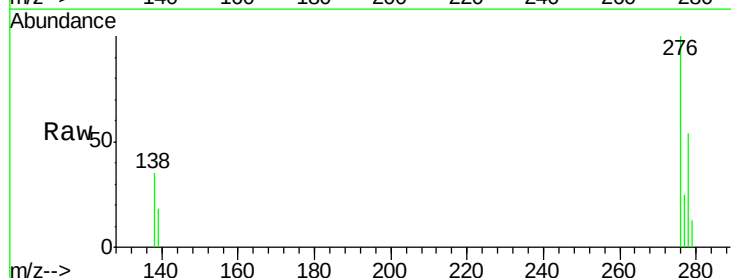
Tgt Ion:276 Resp: 16141

Ion Ratio Lower Upper

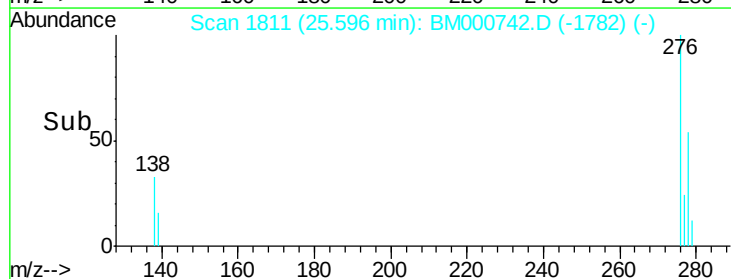
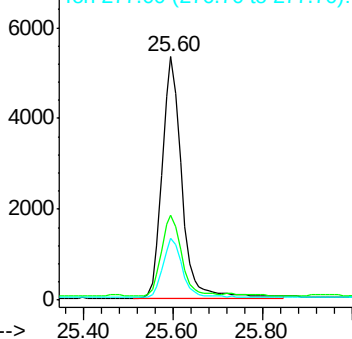
276 100

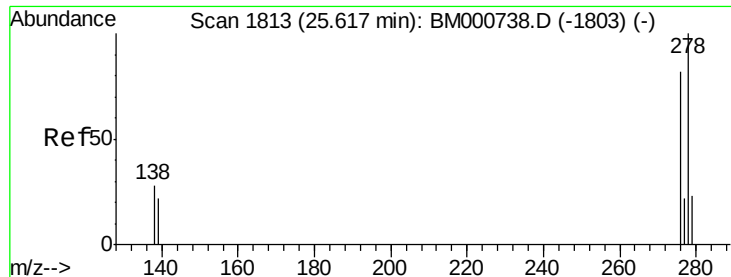
138 33.9 27.8 41.8

277 24.6 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: 0.56 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

Instrument :

BNA_M

ClientSampleId :

X1M18

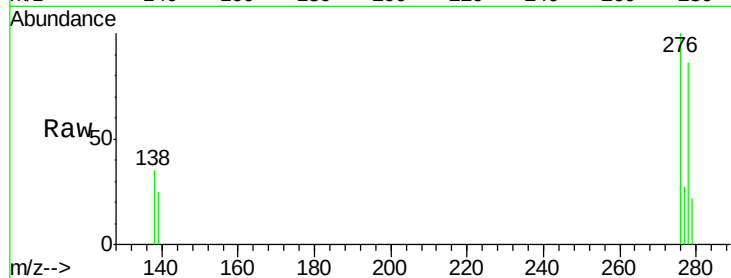
Tgt Ion:278 Resp: 12364

Ion Ratio Lower Upper

278 100

139 29.0 18.1 27.1#

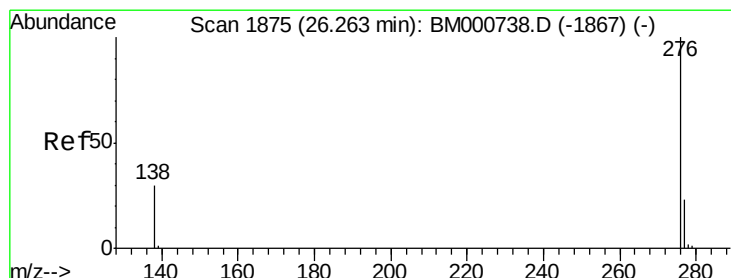
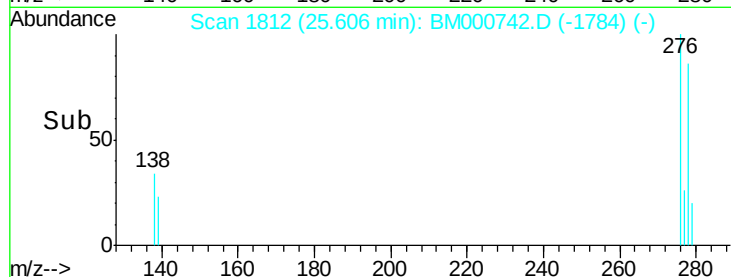
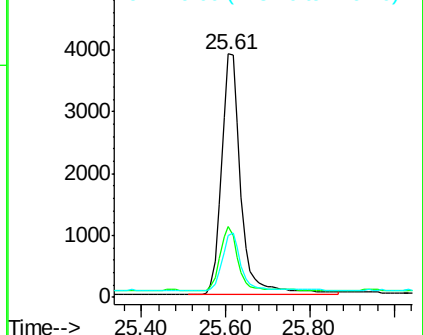
279 25.6 22.3 33.5



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: 0.56 ng/ul

RT: 26.26 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BM000742.D

Acq: 20 Mar 2015 15:22

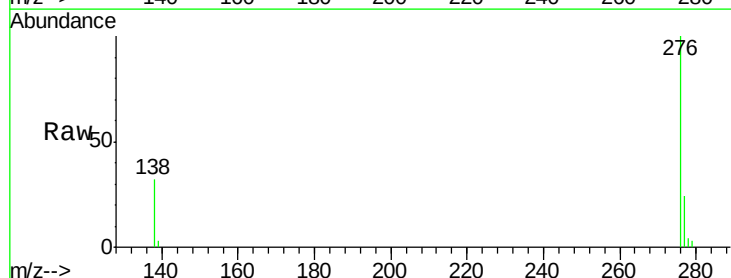
Tgt Ion:276 Resp: 13522

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 32.3 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

