

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002746.D
 Acq On : 28 Sep 2015 22:43
 Operator : UM/IZ
 Sample : G3798-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G62

Quant Time: Sep 29 02:54:27 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

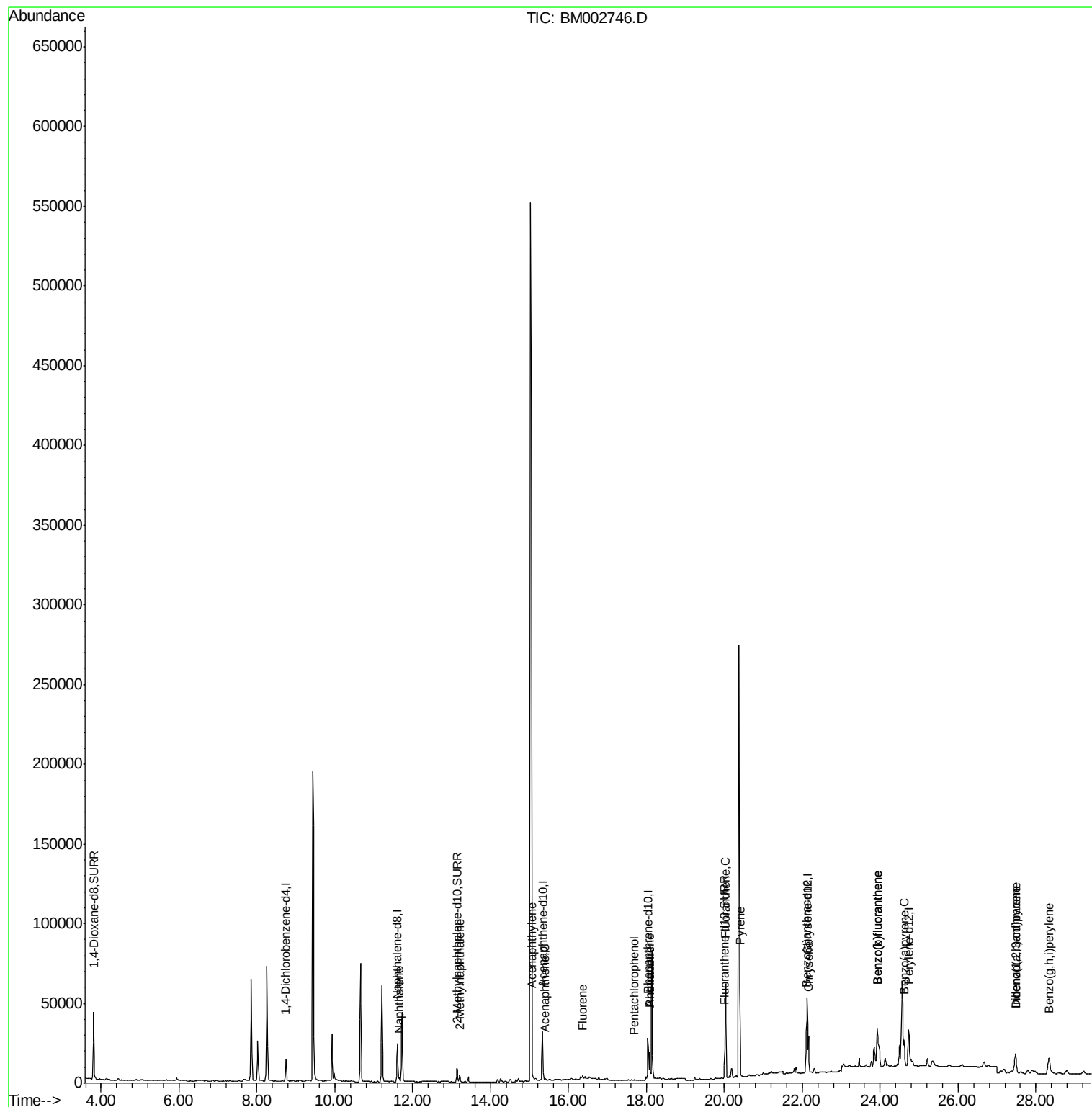
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8731	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	34157	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	18280	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	38226	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	37394	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	35802	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	36271	4.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	12220	0.24	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	19011	0.20	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	3754	0.04	ng/ul#	92
7) 2-Methylnaphthalene	13.20	142	3604	0.06	ng/ul	98
9) Acenaphthylene	15.06	152	13217	0.14	ng/ul	98
10) Acenaphthene	15.38	153	1662	0.02	ng/ul#	91
11) Fluorene	16.36	166	2719	0.03	ng/ul#	95
13) Pentachlorophenol	17.69	266	347	0.05	ng/ul	91
14) Phenanthrene	18.08	178	19103	0.15	ng/ul	98
15) Anthracene	18.08	178	19103	0.17	ng/ul	98
17) Fluoranthene	20.03	202	56947	0.42	ng/ul	99
19) Pyrene	20.40	202	48685	0.33	ng/ul	94
20) Benzo(a)anthracene	22.11	228	24125	0.19	ng/ul#	89
21) Chrysene	22.16	228	29177	0.24	ng/ul#	87
23) Benzo(b)fluoranthene	23.93	252	60166	0.47	ng/ul	78
24) Benzo(k)fluoranthene	23.93	252	60166	0.50	ng/ul#	78
25) Benzo(a)pyrene	24.62	252	27441	0.23	ng/ul#	77
26) Indeno(1,2,3-cd)pyrene	27.47	276	23458	0.18	ng/ul	96
27) Dibenzo(a,h)anthracene	27.47	278	5495	0.05	ng/ul#	1
28) Benzo(a,h,i)perylene	28.33	276	24228	0.22	ng/ul#	83

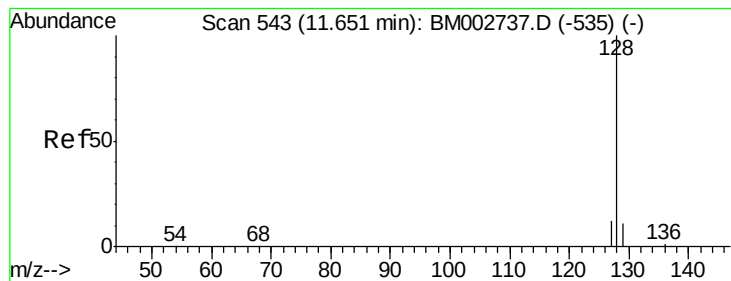
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. 0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

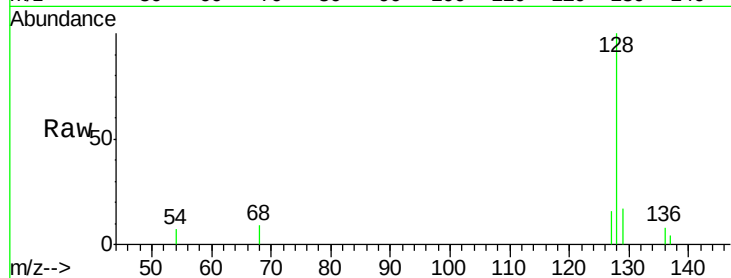
Tot Ion:128 Resp: 3754

Ion Ratio Lower Upper

128 100

129 16.7 9.8 14.8#

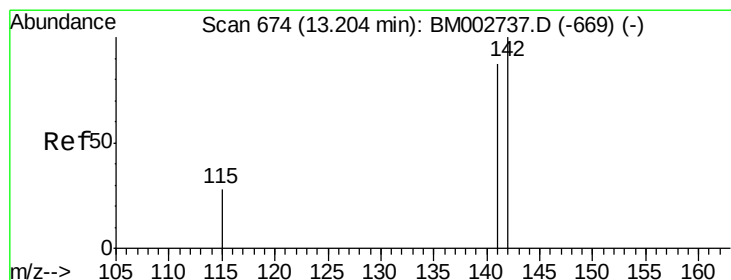
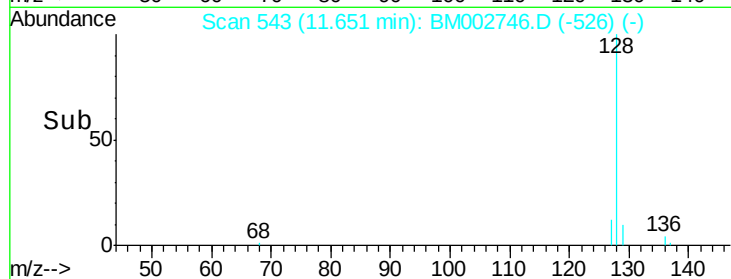
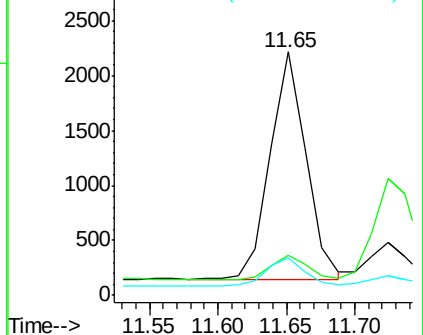
127 15.6 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM002746.D

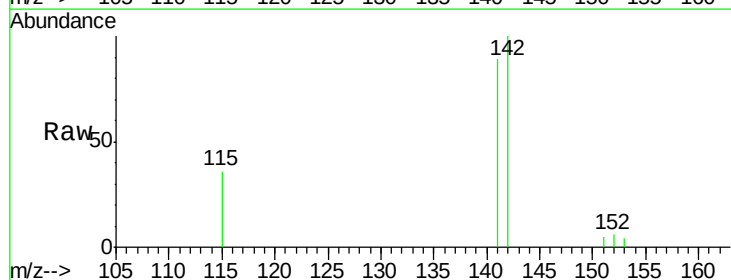
Acq: 28 Sep 2015 22:43

Tgt Ion:142 Resp: 3604

Ion Ratio Lower Upper

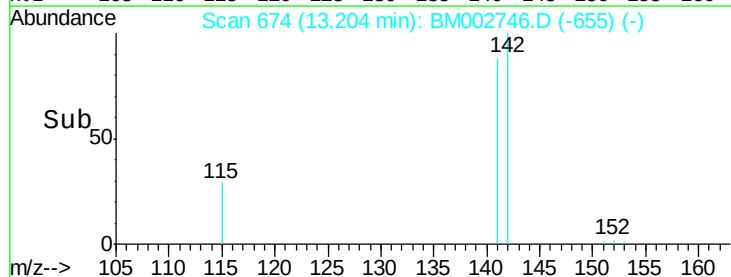
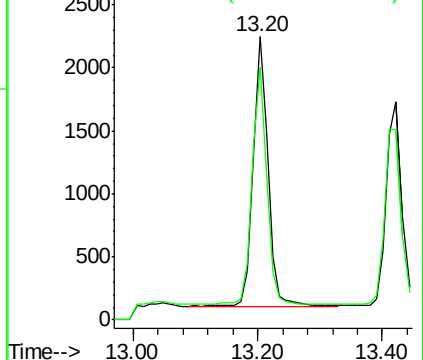
142 100

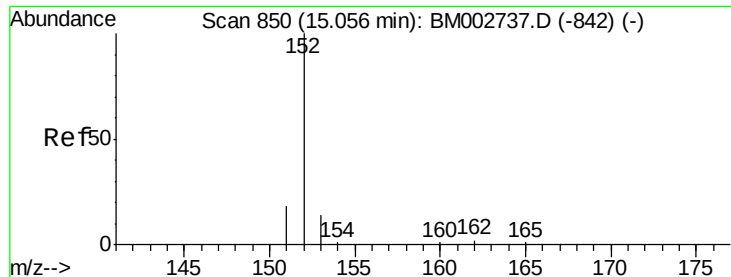
141 86.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

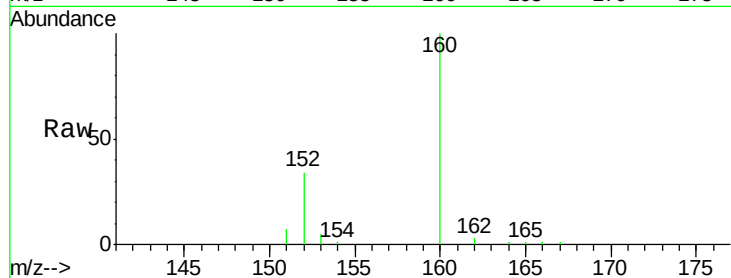
Tot Ion:152 Resp: 13217

Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

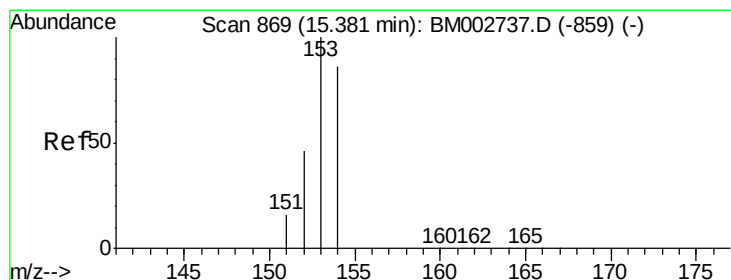
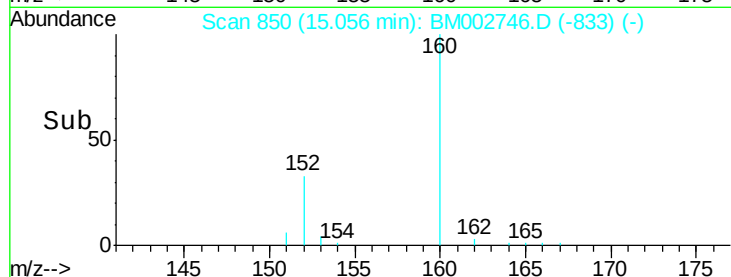
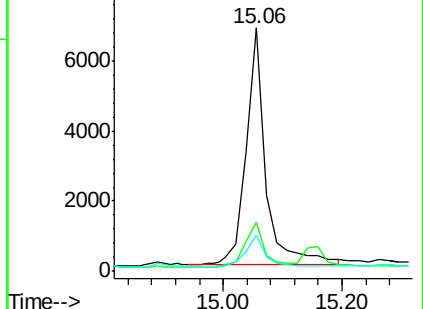
153 14.8 11.3 16.9



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



#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

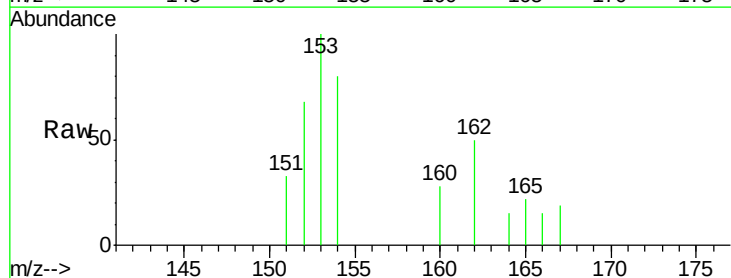
Tgt Ion:153 Resp: 1662

Ion Ratio Lower Upper

153 100

152 68.2 42.3 63.5#

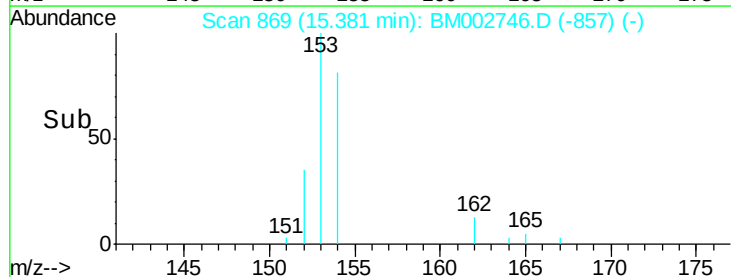
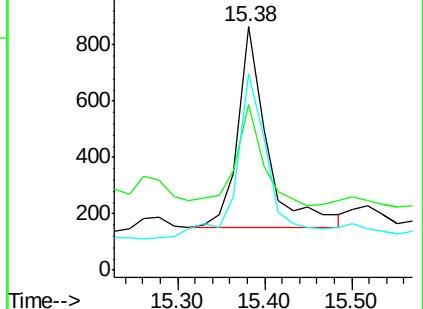
154 80.5 64.7 97.1

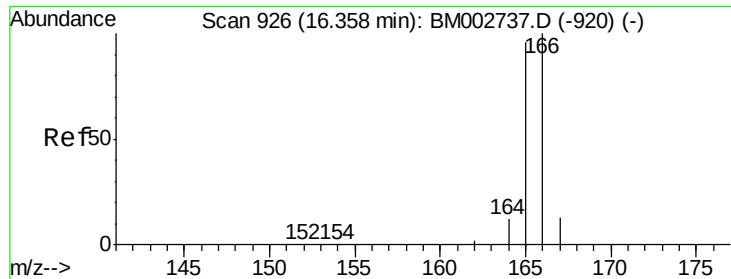


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

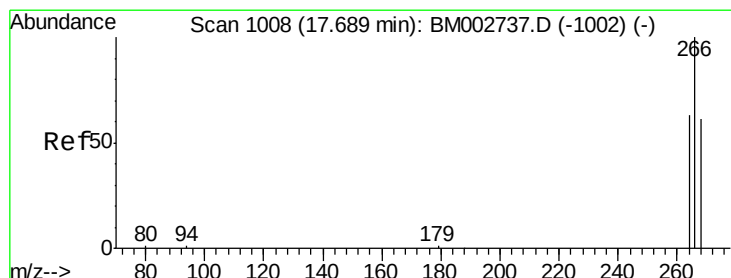
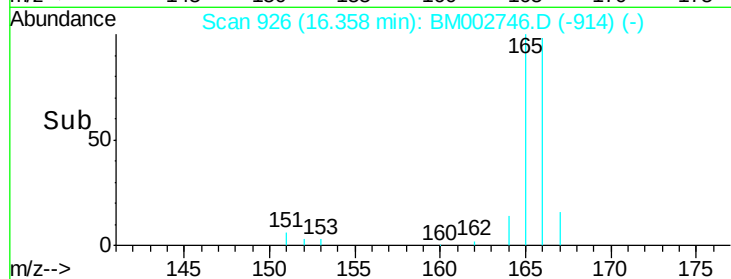
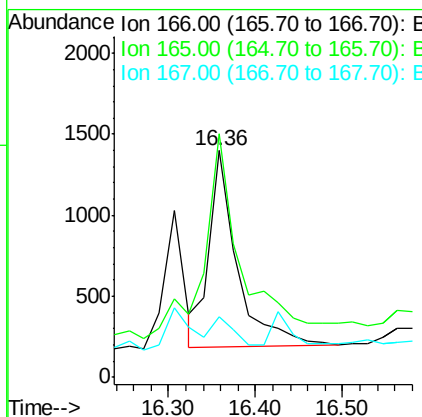
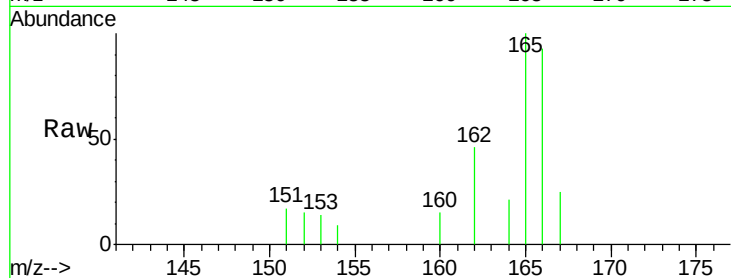




#11
 Fluorene
 Concen: 0.03 ng/ul
 RT: 16.36 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: BM002746.D
 Acq: 28 Sep 2015 22:43

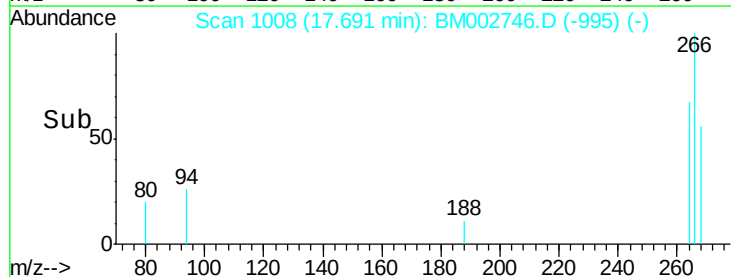
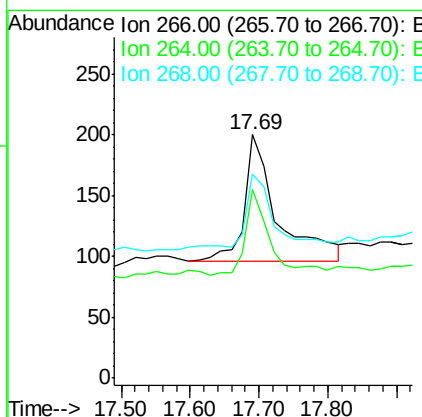
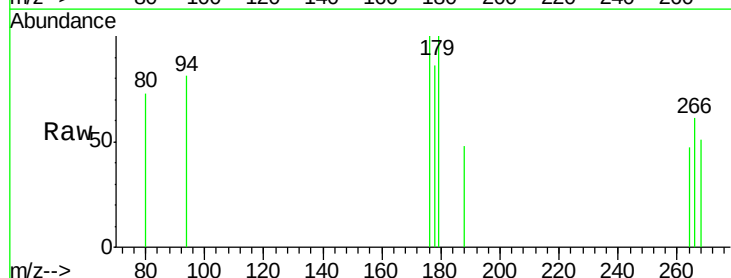
Instrument :
 BNA_M
 ClientSampleId :
 D9G62

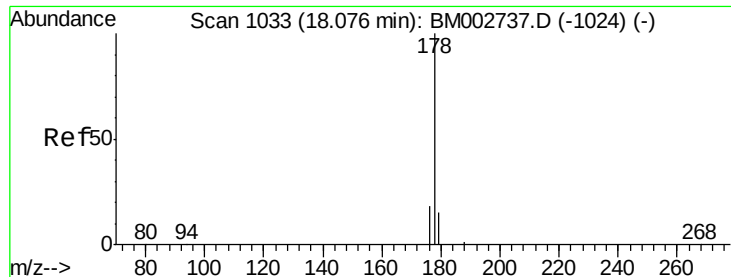
Tot Ion:166 Resp: 2719
 Ion Ratio Lower Upper
 166 100
 165 107.4 87.6 131.4
 167 26.9 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BM002746.D
 Acq: 28 Sep 2015 22:43

Tgt Ion:266 Resp: 347
 Ion Ratio Lower Upper
 266 100
 264 56.5 53.5 80.3
 268 63.4 54.2 81.2





#14

Phenanthrene

Concen: 0.15 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

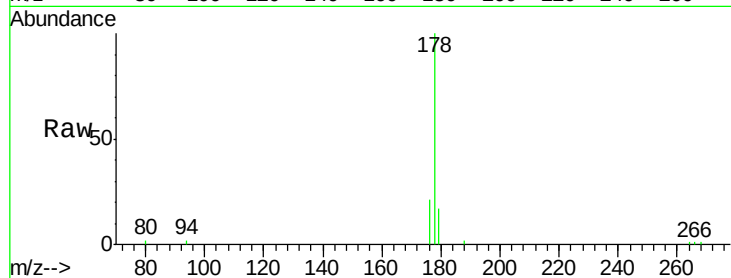
Tot Ion:178 Resp: 19103

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

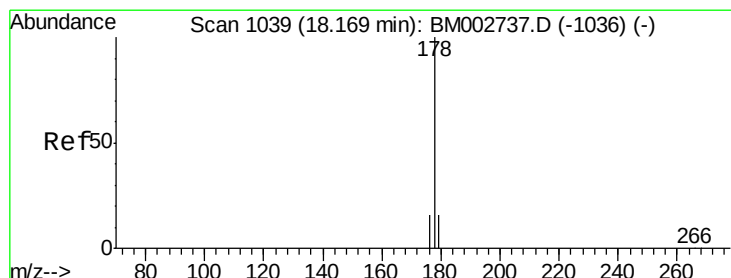
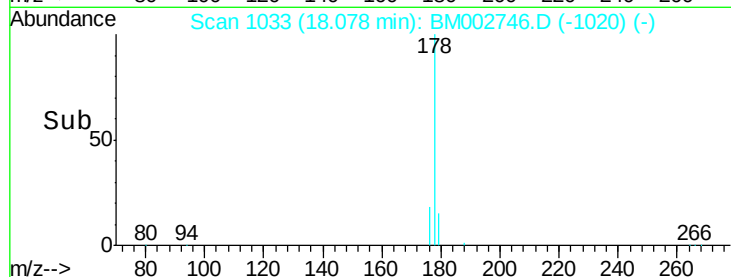
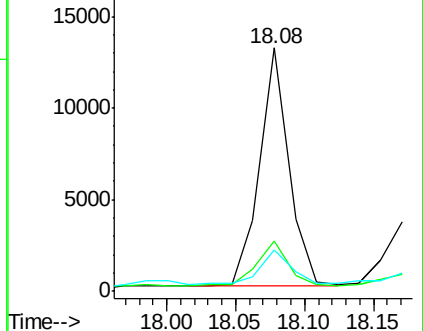
179 17.3 12.8 19.2



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

Anthracene

Concen: 0.17 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

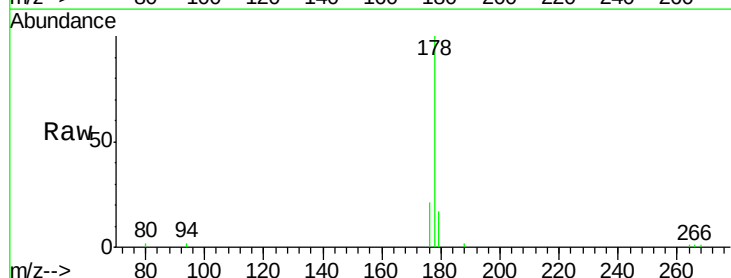
Tgt Ion:178 Resp: 19103

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

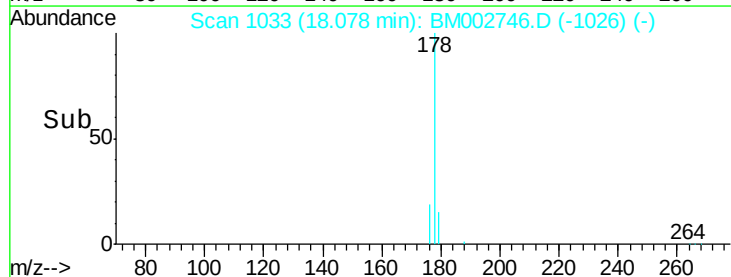
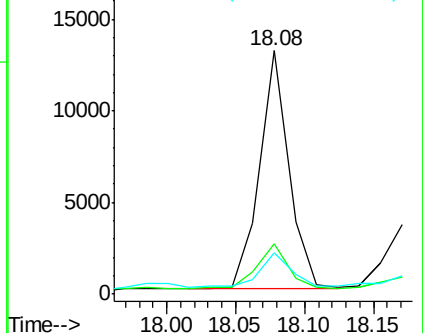
179 17.3 13.3 19.9

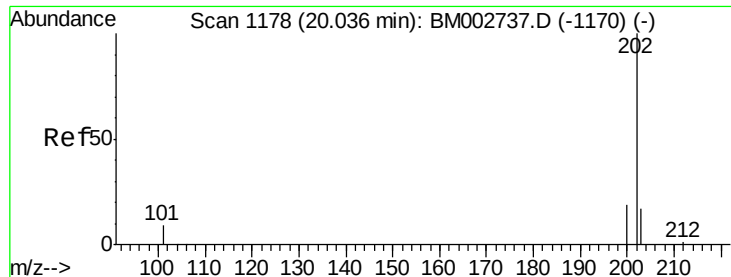


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

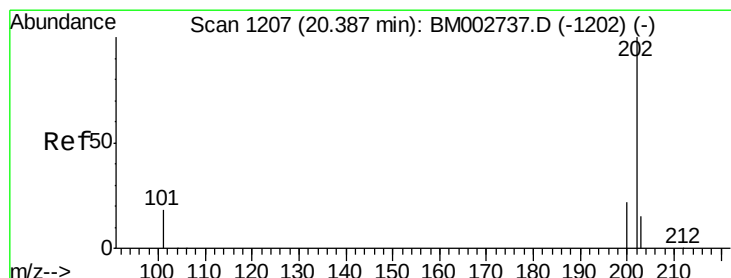
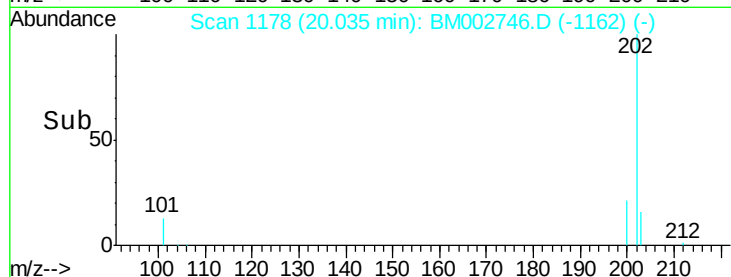
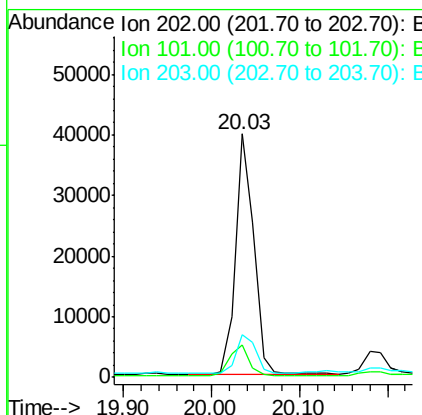
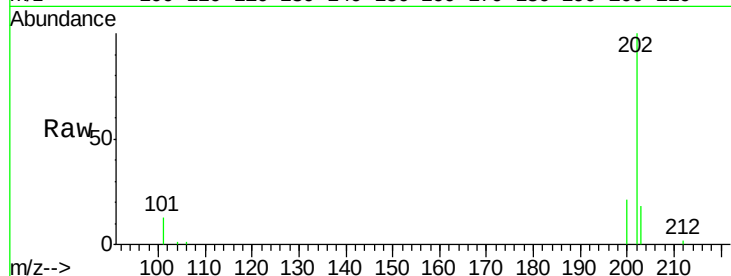




#17
 Fluoranthene
 Concen: 0.42 ng/ul
 RT: 20.03 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002746.D
 Acq: 28 Sep 2015 22:43

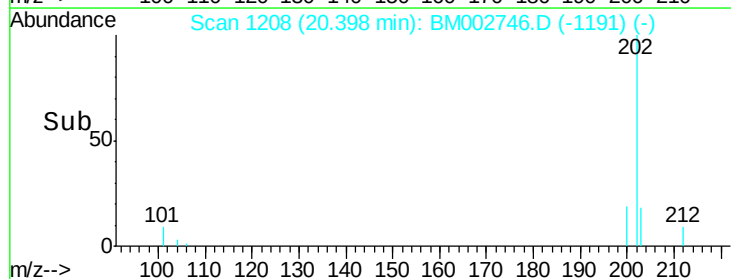
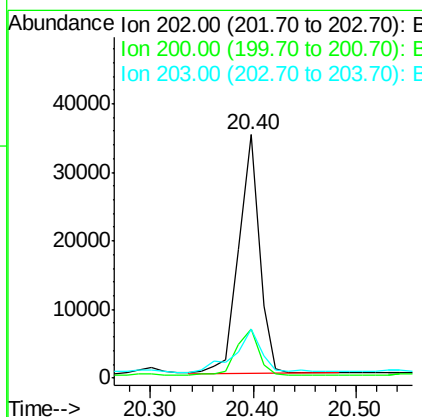
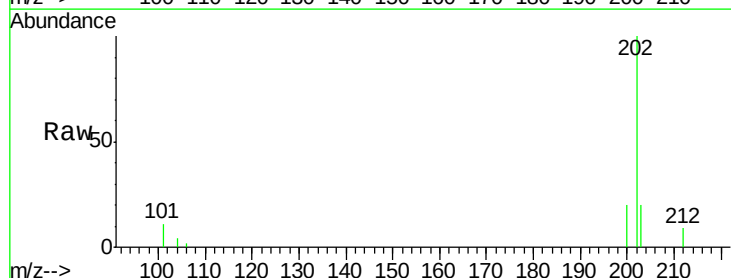
Instrument :
 BNA_M
 ClientSampled :
 D9G62

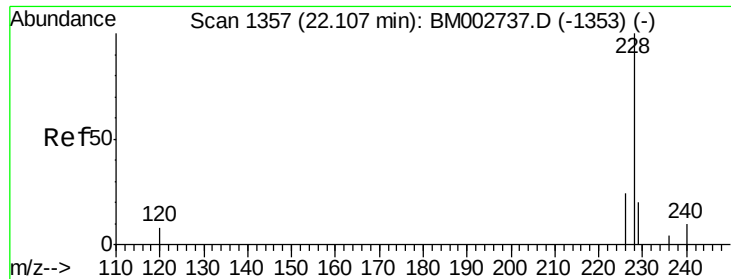
Tot Ion:202 Resp: 56947
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 33.1
 203 17.7 0.0 37.2



#19
 Pyrene
 Concen: 0.33 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002746.D
 Acq: 28 Sep 2015 22:43

Tgt Ion:202 Resp: 48685
 Ion Ratio Lower Upper
 202 100
 200 20.1 18.0 27.0
 203 20.2 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.19 ng/ul

RT: 22.11 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

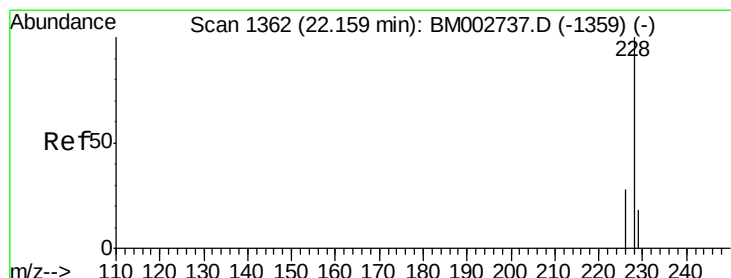
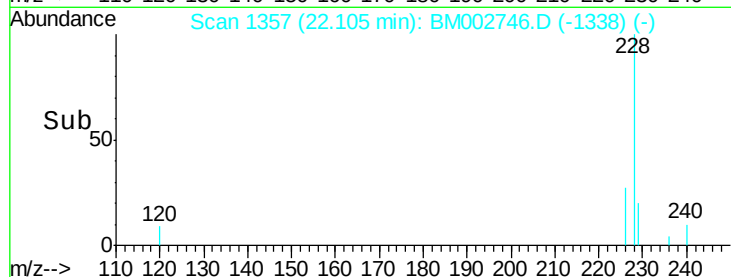
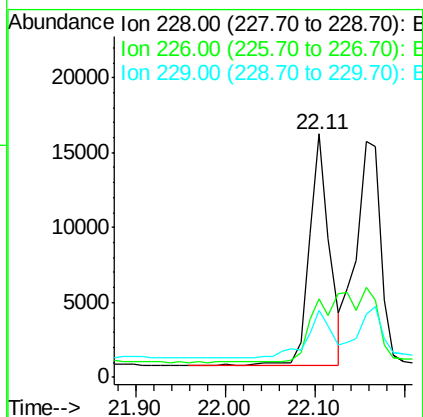
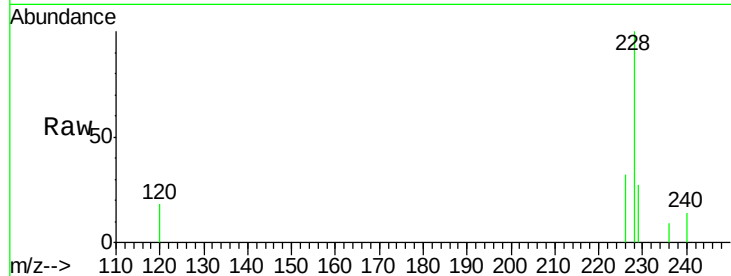
Tot Ion:228 Resp: 24125

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.4

229 27.4 15.2 22.8#



#21

Chrysene

Concen: 0.24 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

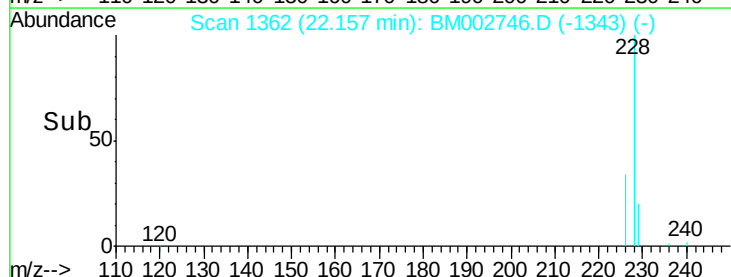
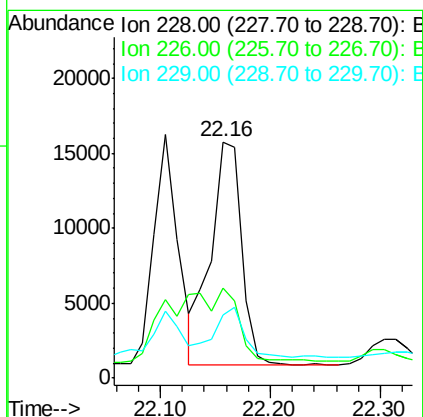
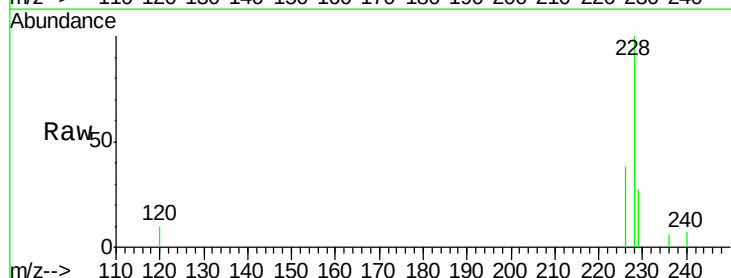
Tgt Ion:228 Resp: 29177

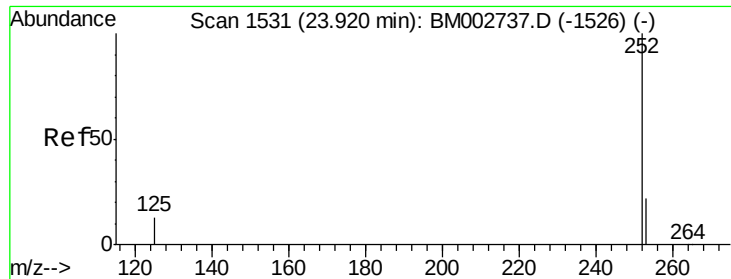
Ion Ratio Lower Upper

228 100

226 38.3 25.7 38.5

229 26.8 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.47 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

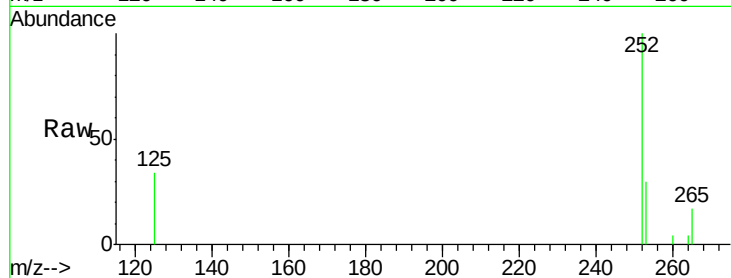
Tot Ion:252 Resp: 60166

Ion Ratio Lower Upper

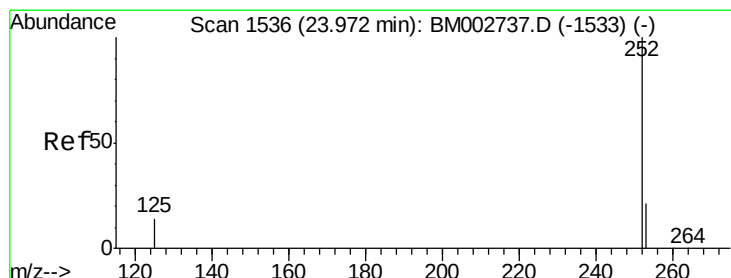
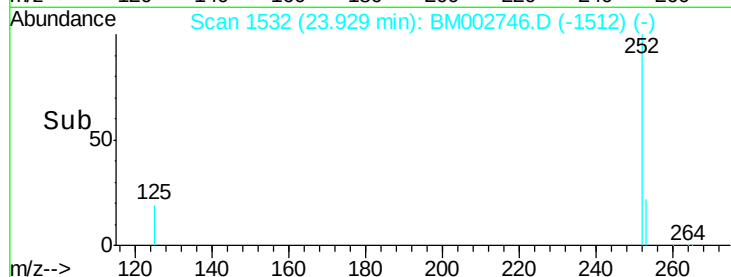
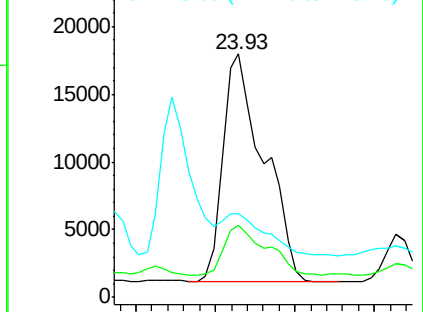
252 100

253 29.8 0.0 48.0

125 34.3 0.0 36.6



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

Benzo(k)fluoranthene

Concen: 0.50 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

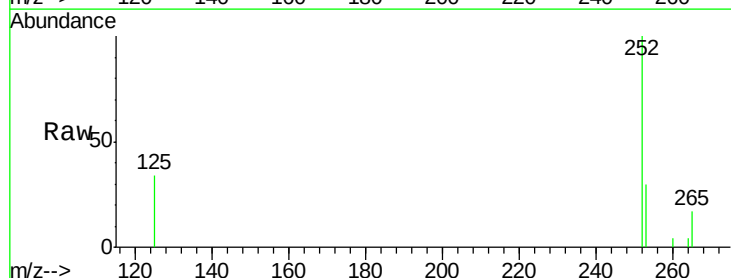
Tgt Ion:252 Resp: 60166

Ion Ratio Lower Upper

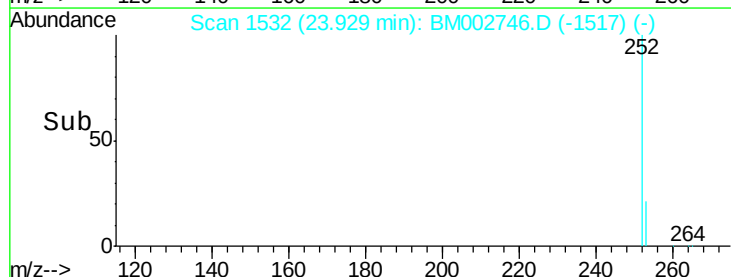
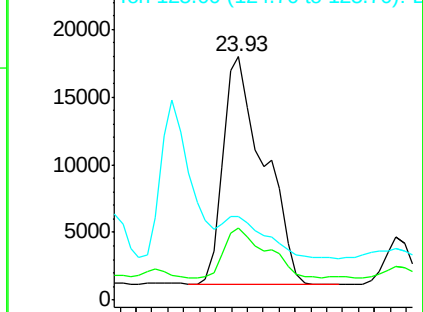
252 100

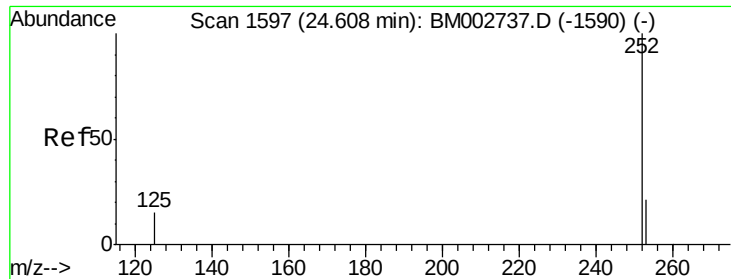
253 29.8 20.8 31.2

125 34.3 12.2 18.4#



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





#25

Benzo(a)pyrene

Concen: 0.23 ng/ul

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

Instrument :

BNA_M

ClientSampleId :

D9G62

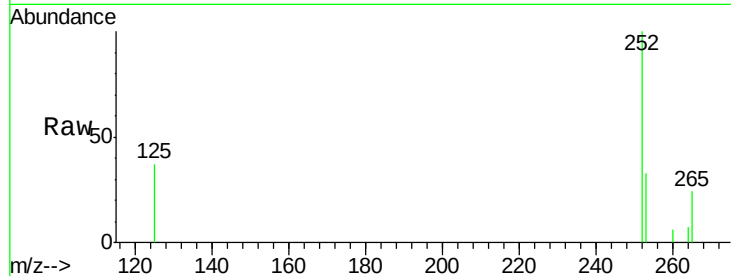
Tot Ion:252 Resp: 27441

Ion Ratio Lower Upper

252 100

253 32.9 21.8 32.8#

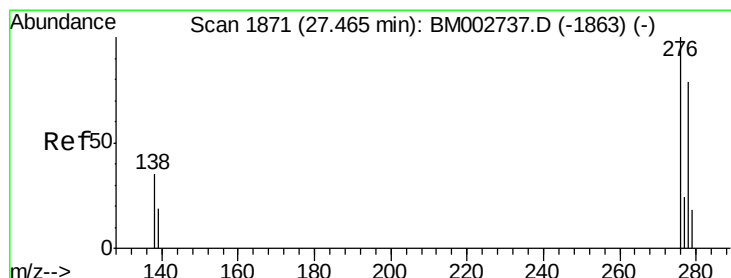
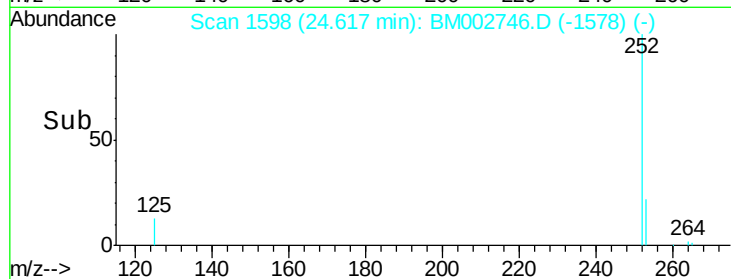
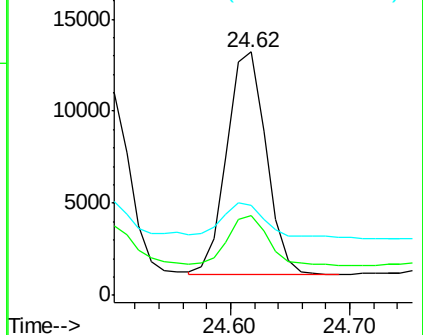
125 37.1 14.5 21.7#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.18 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BM002746.D

Acq: 28 Sep 2015 22:43

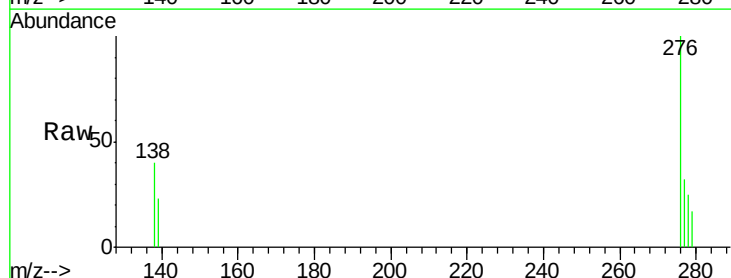
Tgt Ion:276 Resp: 23458

Ion Ratio Lower Upper

276 100

138 30.1 27.5 41.3

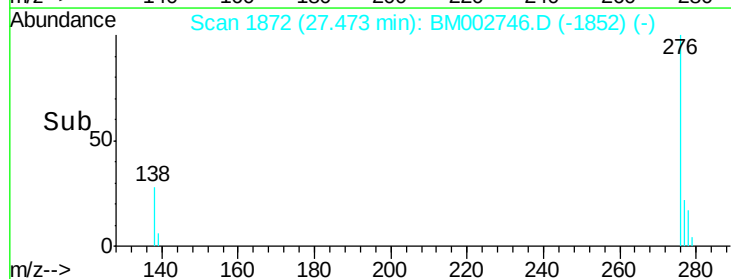
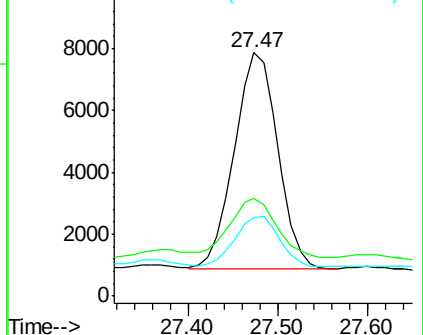
277 24.0 19.3 28.9

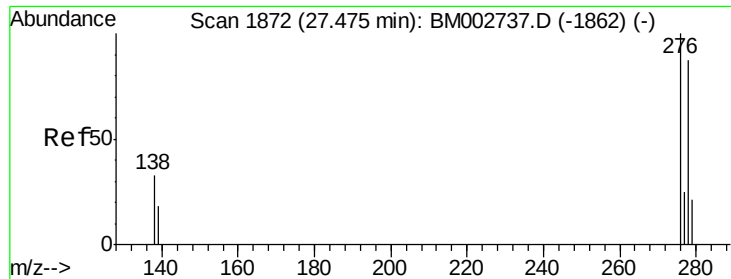


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

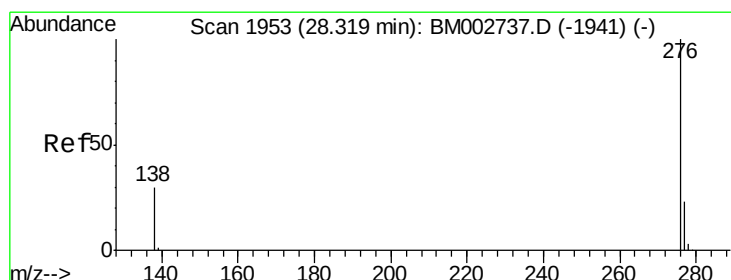
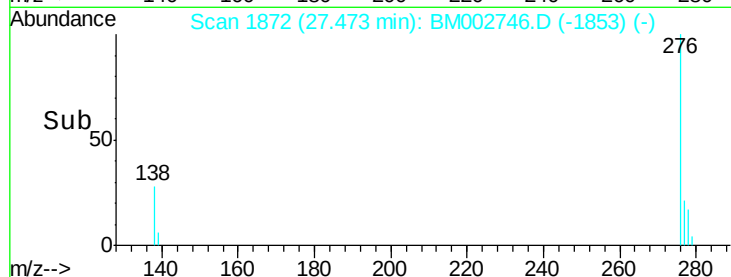
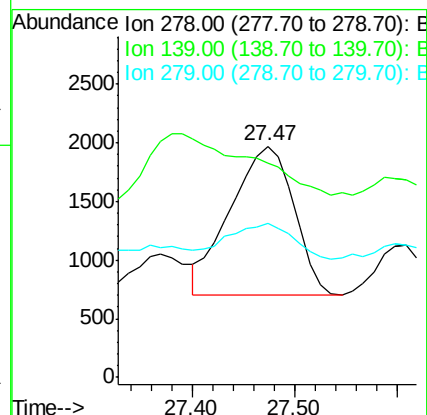
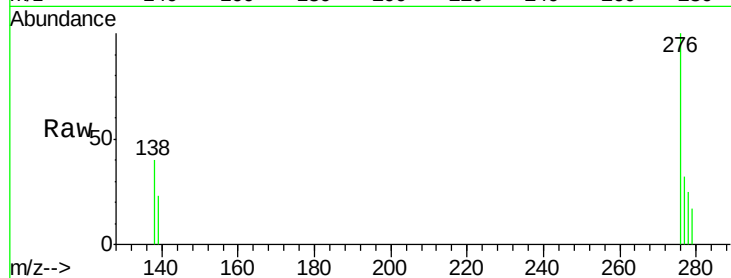




#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 27.47 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM002746.D
Acq: 28 Sep 2015 22:43

Instrument :
BNA_M
ClientSampleId :
D9G62

Tot Ion:278 Resp: 5495
Ion Ratio Lower Upper
278 100
139 92.8 21.7 32.5#
279 66.3 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.22 ng/ul
RT: 28.33 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BM002746.D
Acq: 28 Sep 2015 22:43

Tgt Ion:276 Resp: 24228
Ion Ratio Lower Upper
276 100
277 33.5 21.3 31.9#
138 43.5 25.5 38.3#

