

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002751.D
 Acq On : 29 Sep 2015 01:46
 Operator : UM/IZ
 Sample : G3798-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G68

Quant Time: Sep 29 04:42:22 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

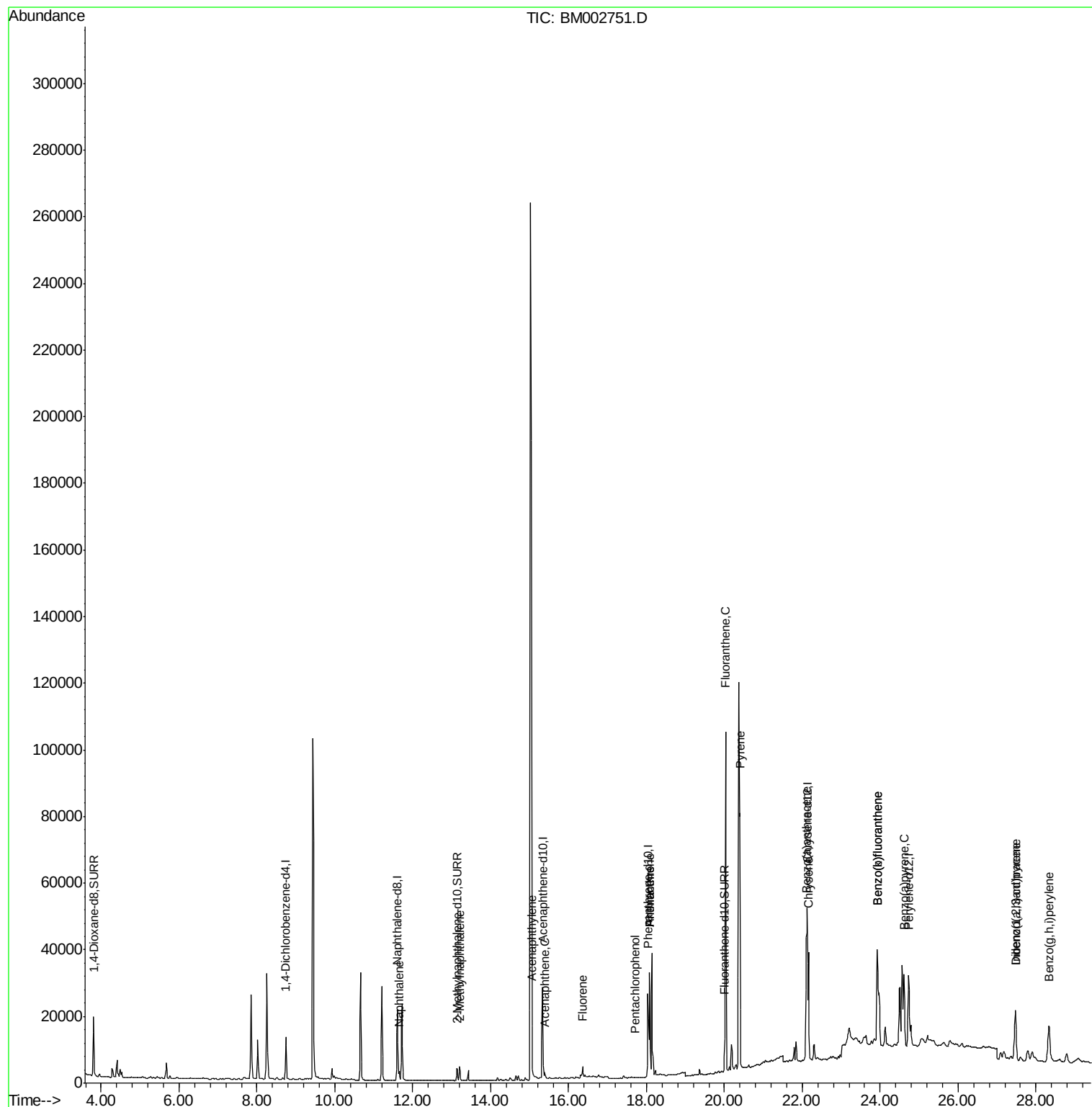
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8072	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	31442	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	16482	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	35581	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	35914	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	33944	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	16402	1.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5759	0.13	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	8912	0.10	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	3850	0.05	ng/ul#	93
7) 2-Methylnaphthalene	13.20	142	3403	0.06	ng/ul	99
9) Acenaphthylene	15.06	152	11291	0.13	ng/ul	97
10) Acenaphthene	15.38	153	1855	0.03	ng/ul#	92
11) Fluorene	16.36	166	4195	0.06	ng/ul#	95
13) Pentachlorophenol	17.71	266	175	0.03	ng/ul#	69
14) Phenanthrene	18.08	178	35011	0.30	ng/ul	98
15) Anthracene	18.08	178	34678	0.32	ng/ul	98
17) Fluoranthene	20.03	202	94136	0.75	ng/ul	99
19) Pyrene	20.40	202	77883	0.56	ng/ul	94
20) Benzo(a)anthracene	22.11	228	34024	0.28	ng/ul#	93
21) Chrysene	22.16	228	38345	0.33	ng/ul#	89
23) Benzo(b)fluoranthene	23.93	252	75755	0.62	ng/ul	82
24) Benzo(k)fluoranthene	23.93	252	75755	0.67	ng/ul#	83
25) Benzo(a)pyrene	24.62	252	35054	0.31	ng/ul#	81
26) Indeno(1,2,3-cd)pyrene	27.47	276	28638	0.23	ng/ul	94
27) Dibenzo(a,h)anthracene	27.47	278	6549	0.06	ng/ul#	17
28) Benzo(a,h,i)perylene	28.33	276	26581	0.25	ng/ul#	82

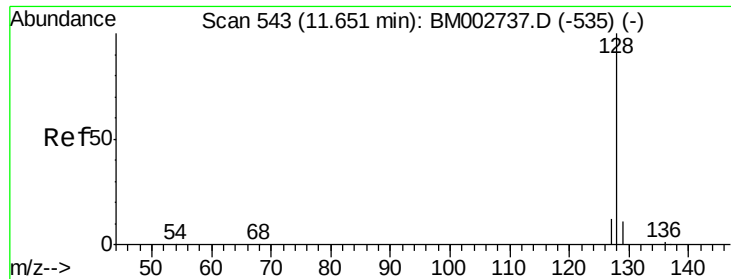
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

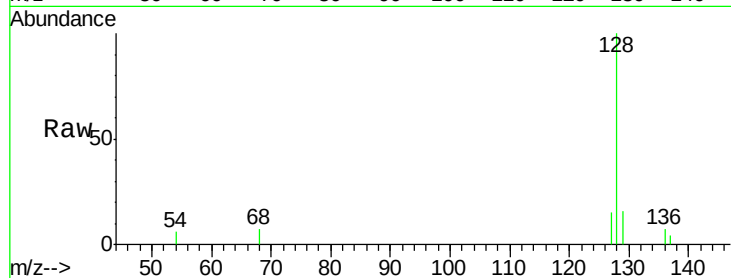
Tot Ion:128 Resp: 3850

Ion Ratio Lower Upper

128 100

129 16.2 9.8 14.8#

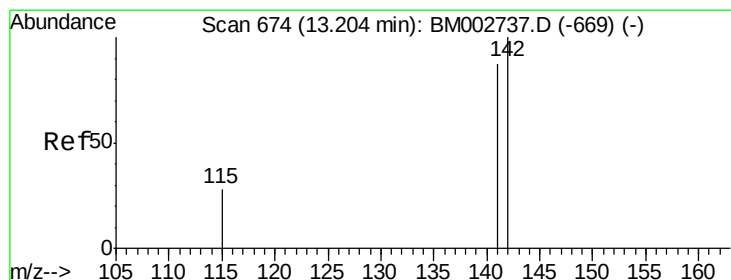
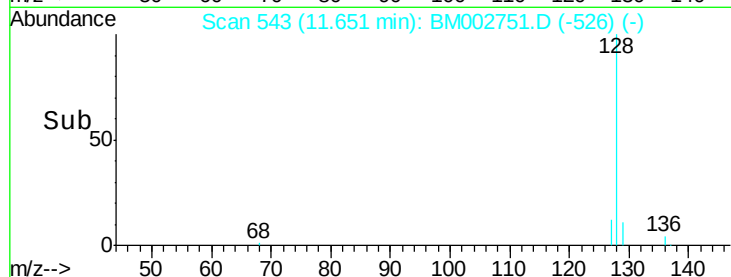
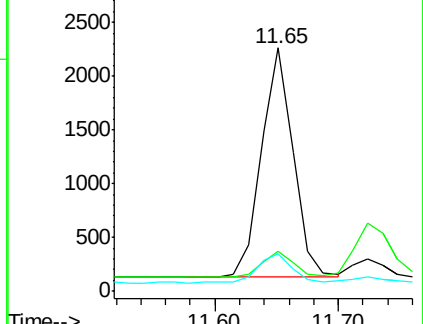
127 15.5 10.7 16.1



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: BM002751.D

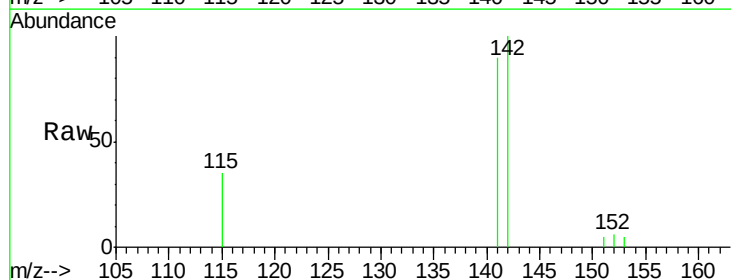
Acq: 29 Sep 2015 01:46

Tgt Ion:142 Resp: 3403

Ion Ratio Lower Upper

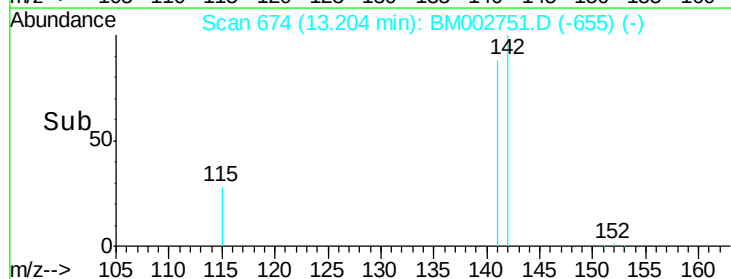
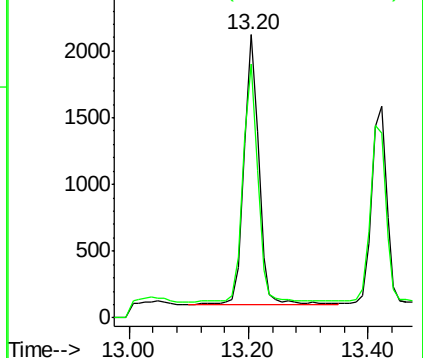
142 100

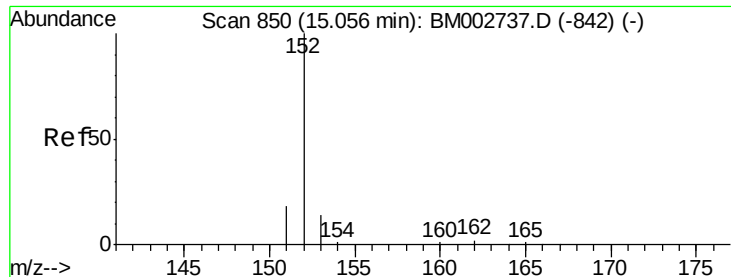
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.13 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

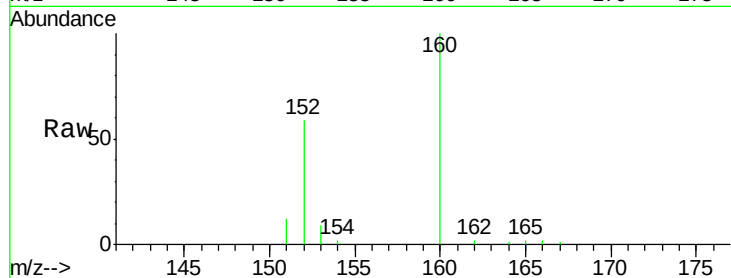
Tot Ion:152 Resp: 11291

Ion Ratio Lower Upper

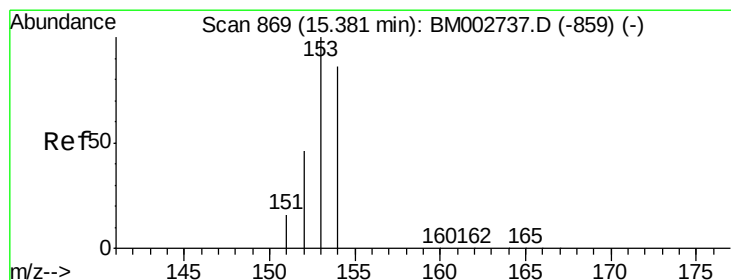
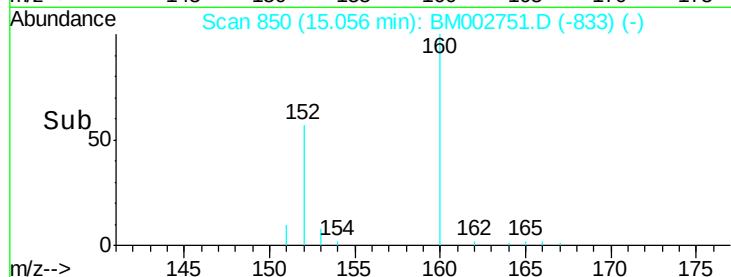
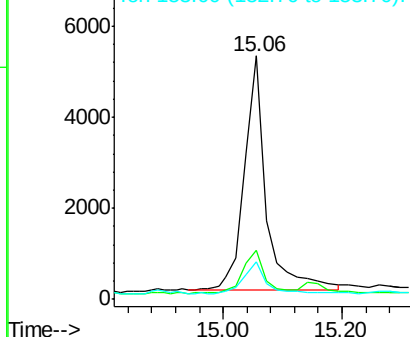
152 100

151 20.1 16.8 25.2

153 15.6 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: 0.03 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

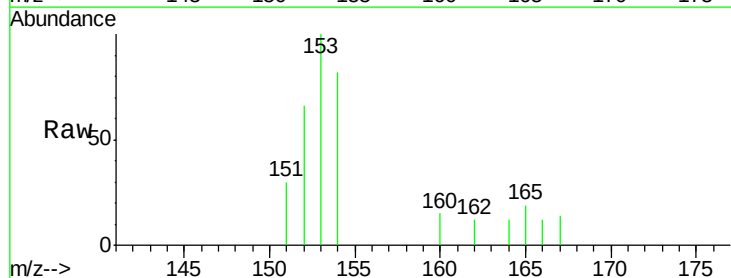
Tgt Ion:153 Resp: 1855

Ion Ratio Lower Upper

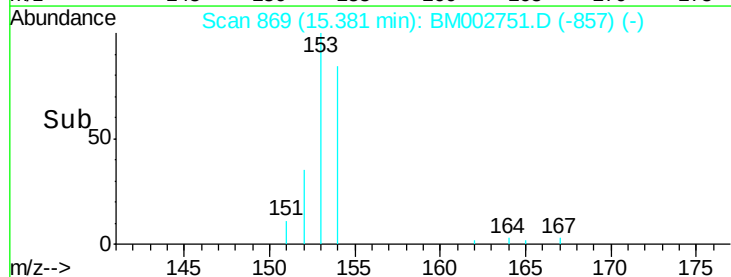
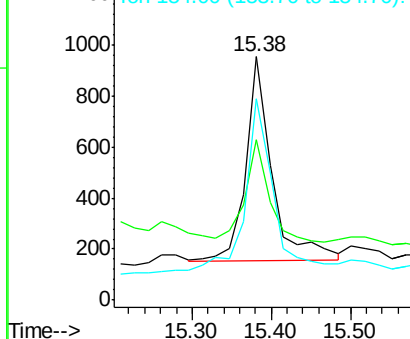
153 100

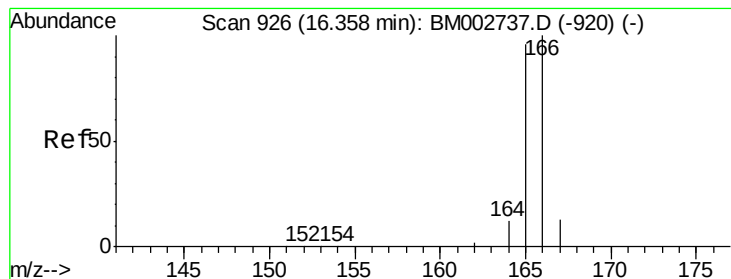
152 65.9 42.3 63.5#

154 82.4 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: 0.06 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

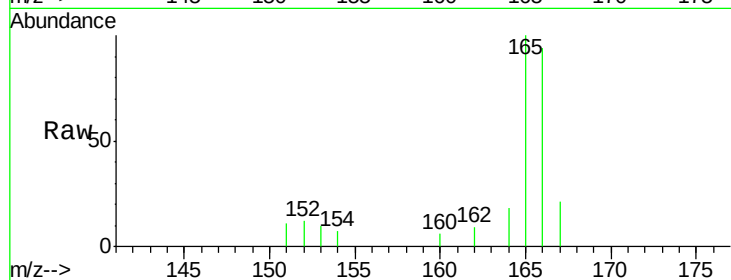
Tot Ion:166 Resp: 4195

Ion Ratio Lower Upper

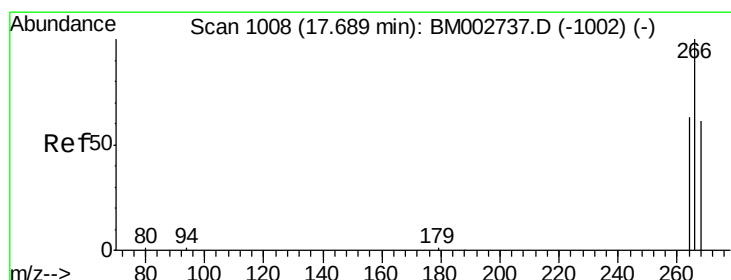
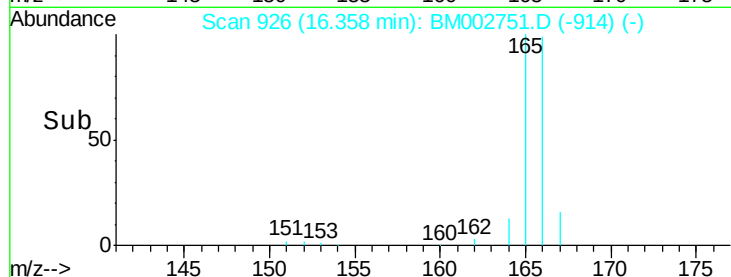
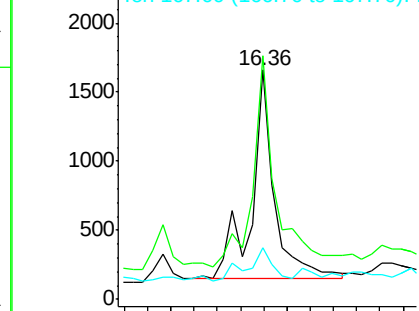
166 100

165 106.2 87.6 131.4

167 22.7 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 17.71 min Scan# 1009

Delta R.T. 0.02 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

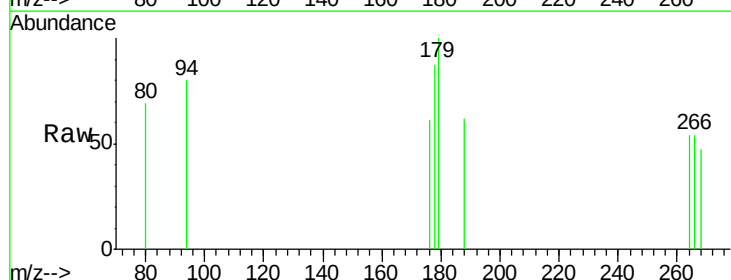
Tgt Ion:266 Resp: 175

Ion Ratio Lower Upper

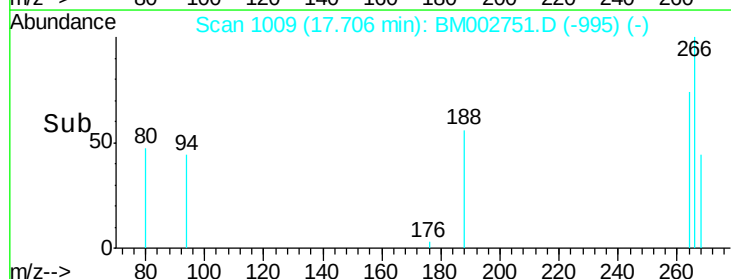
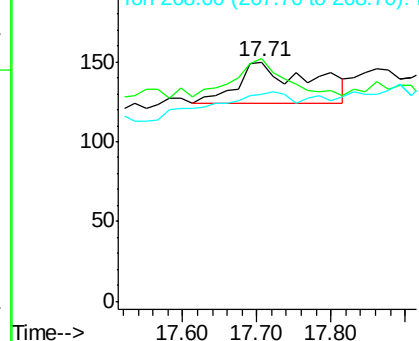
266 100

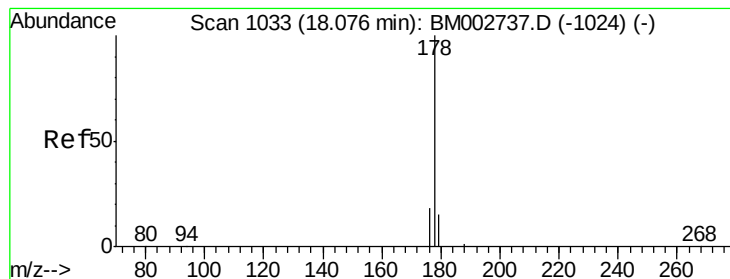
264 76.0 53.5 80.3

268 108.6 54.2 81.2#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.30 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

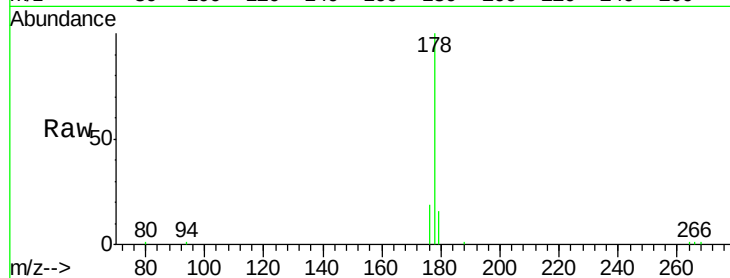
Tot Ion:178 Resp: 35011

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

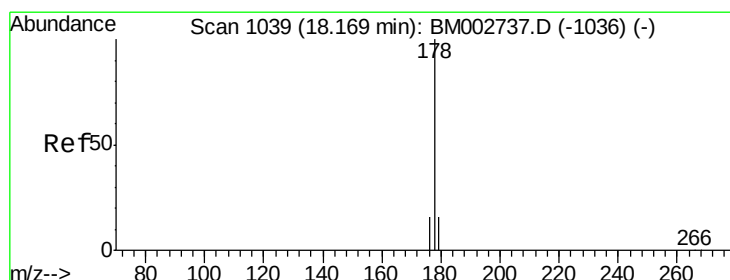
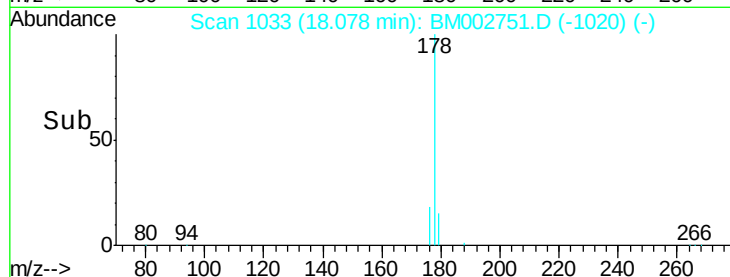
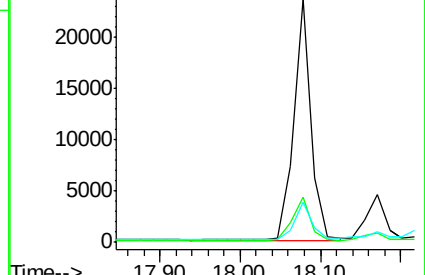
179 16.2 12.8 19.2



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: 0.32 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

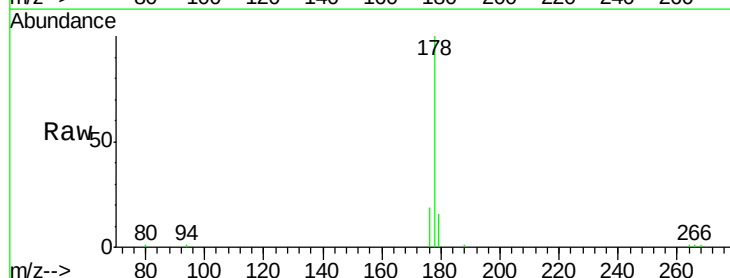
Tgt Ion:178 Resp: 34678

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

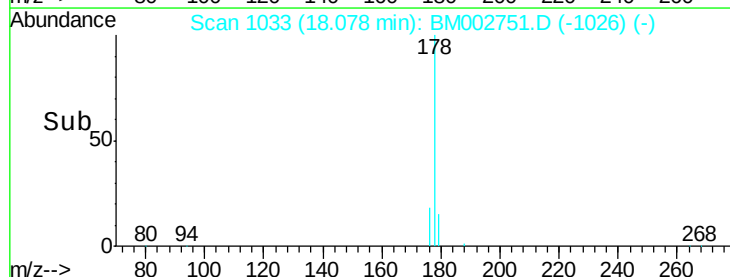
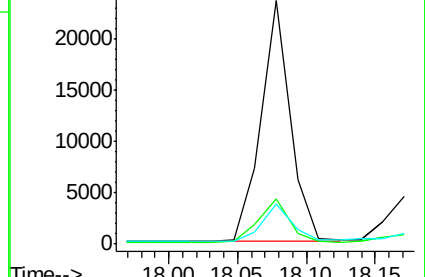
179 16.2 13.3 19.9

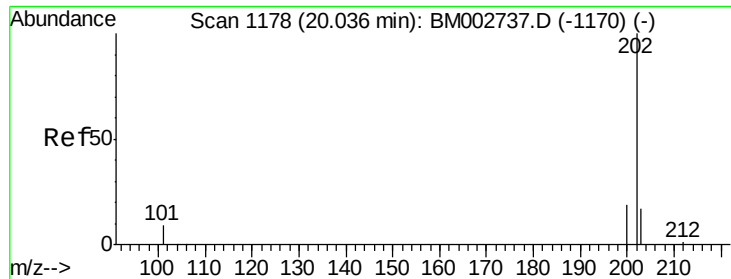


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

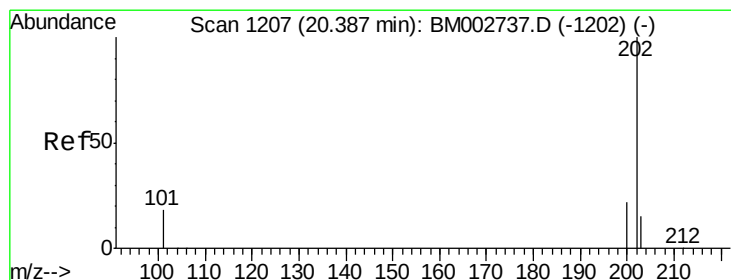
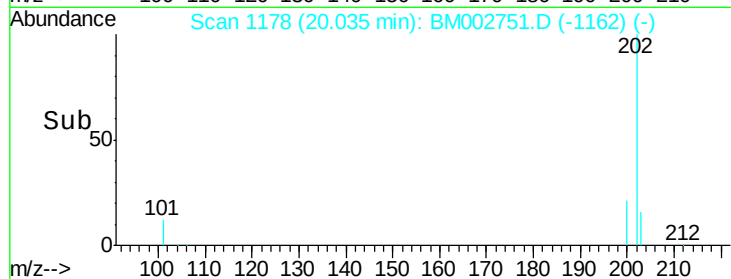
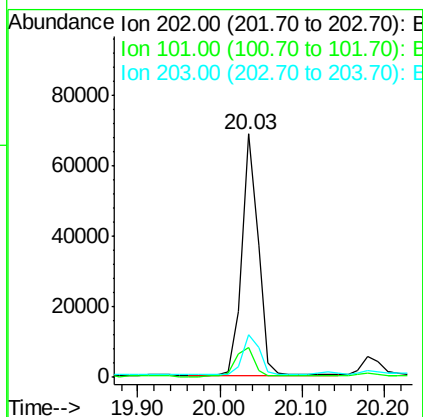
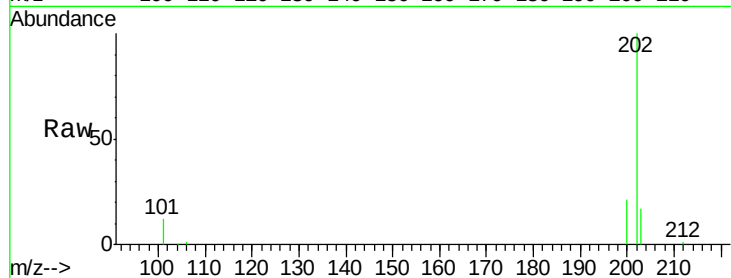




#17
 Fluoranthene
 Concen: 0.75 ng/ul
 RT: 20.03 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002751.D
 Acq: 29 Sep 2015 01:46

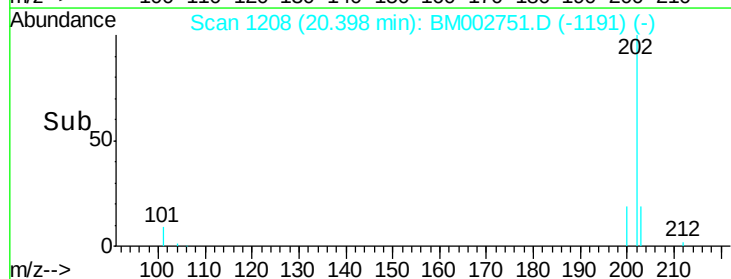
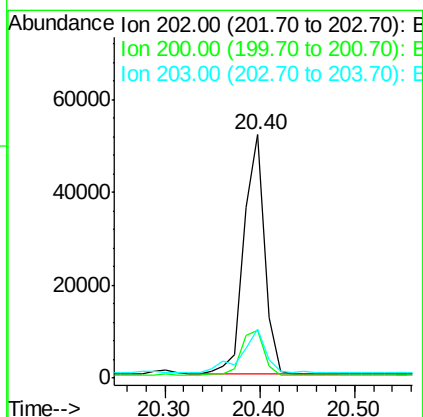
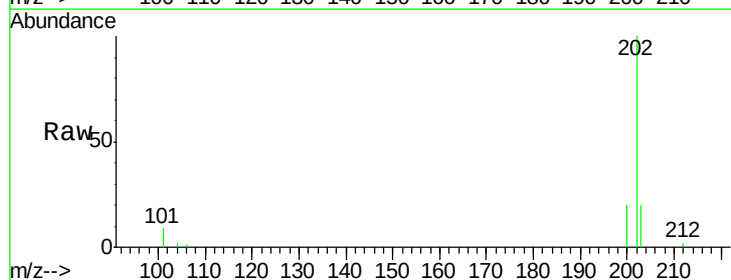
Instrument :
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 D9G68

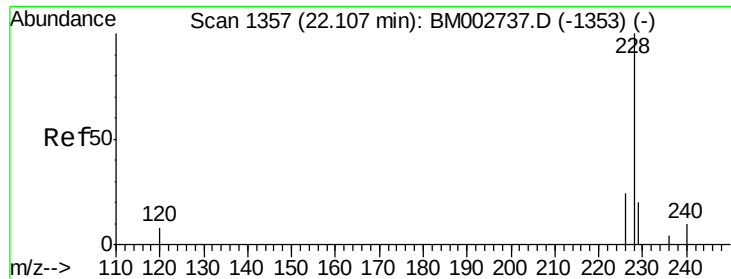
Tot Ion:202 Resp: 94136
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.1
 203 17.3 0.0 37.2



#19
 Pyrene
 Concen: 0.56 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002751.D
 Acq: 29 Sep 2015 01:46

Tgt Ion:202 Resp: 77883
 Ion Ratio Lower Upper
 202 100
 200 19.6 18.0 27.0
 203 20.1 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.28 ng/ul

RT: 22.11 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

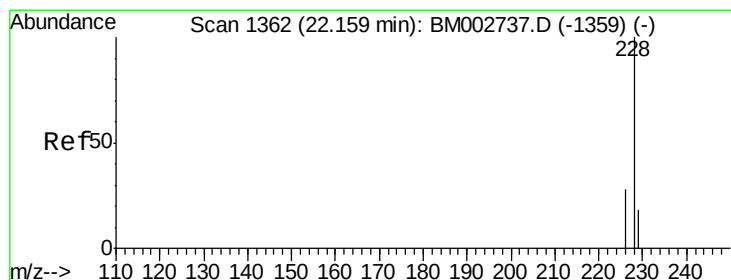
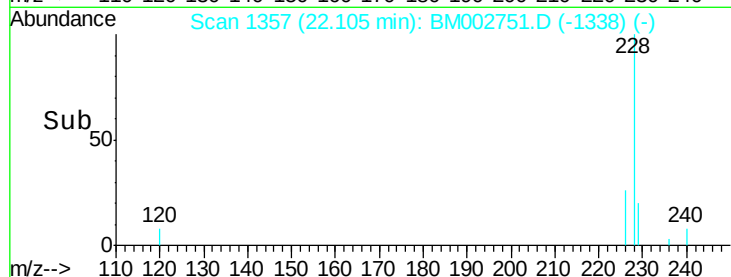
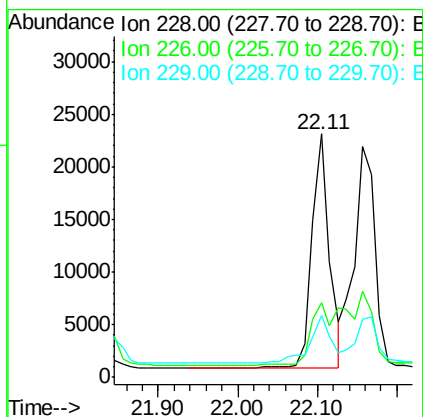
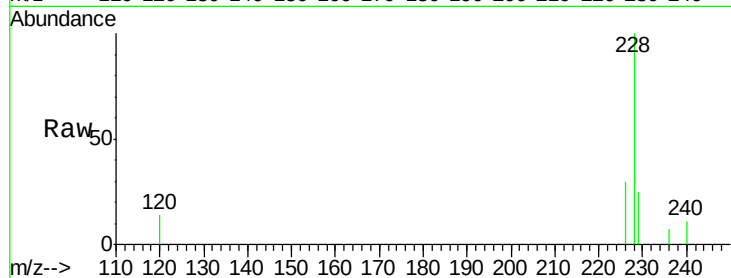
Tot Ion:228 Resp: 34024

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

229 25.2 15.2 22.8#



#21

Chrysene

Concen: 0.33 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

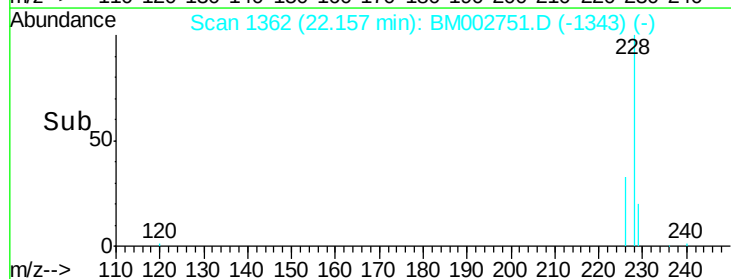
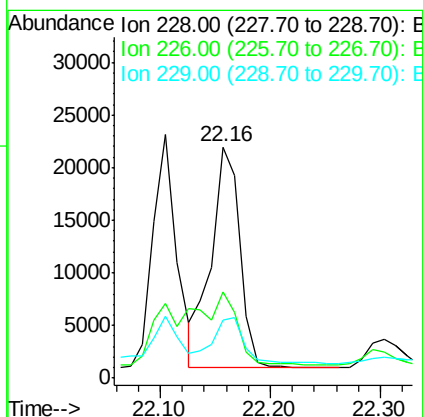
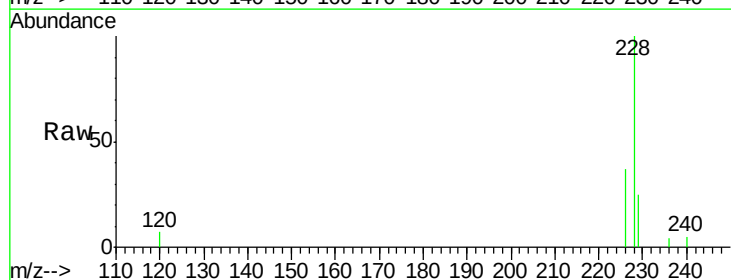
Tgt Ion:228 Resp: 38345

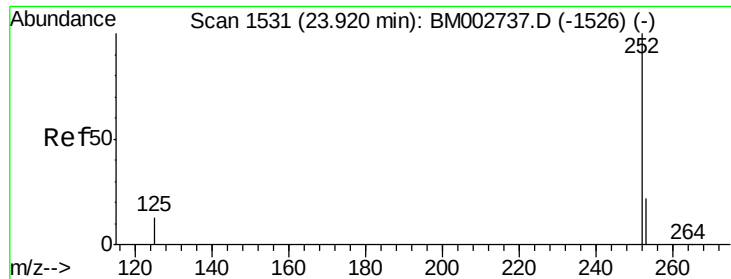
Ion Ratio Lower Upper

228 100

226 37.0 25.7 38.5

229 25.2 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.62 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

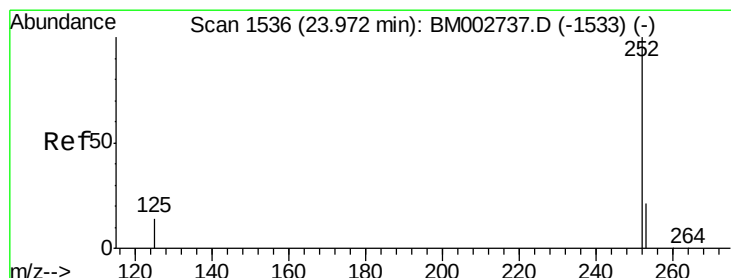
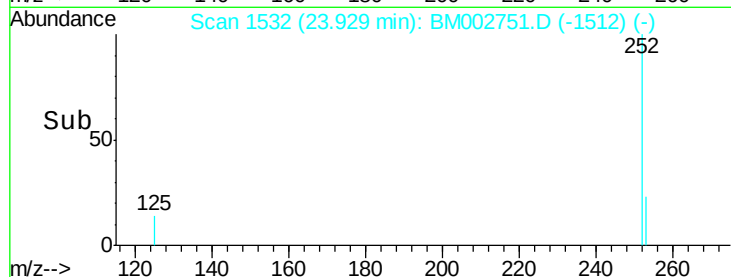
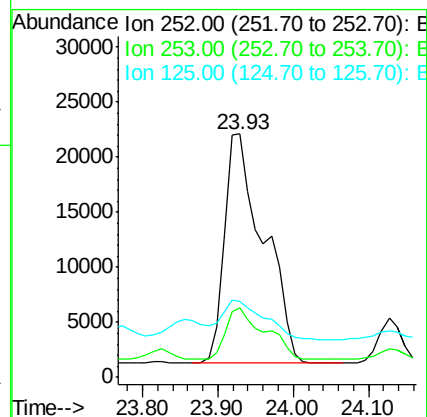
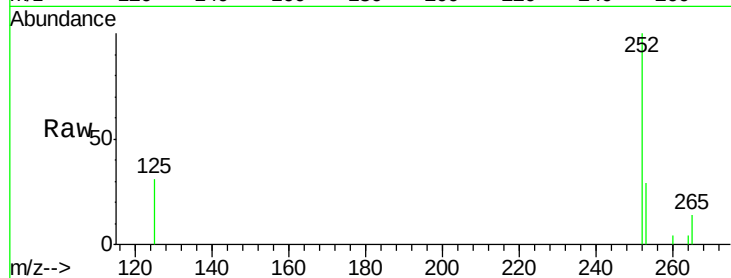
Tot Ion:252 Resp: 75755

Ion Ratio Lower Upper

252 100

253 28.7 0.0 48.0

125 31.3 0.0 36.6



#24

Benzo(k)fluoranthene

Concen: 0.67 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

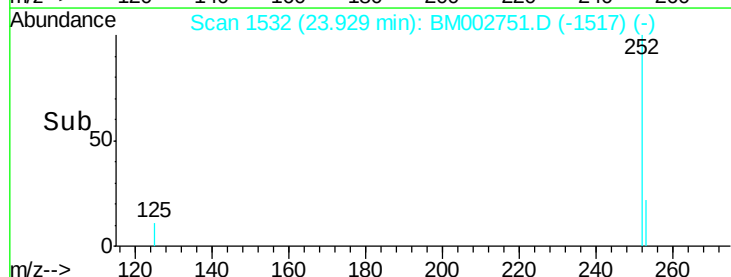
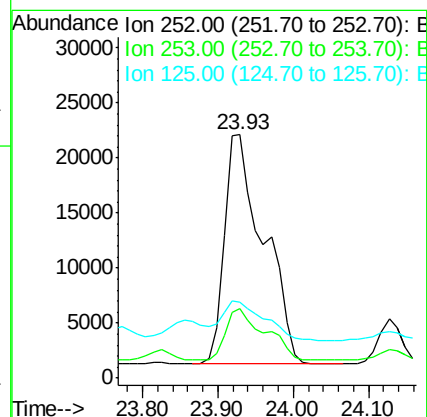
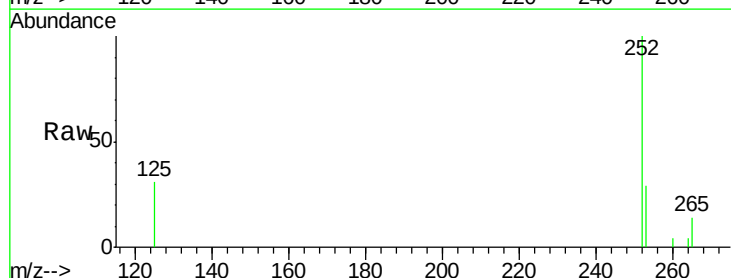
Tgt Ion:252 Resp: 75755

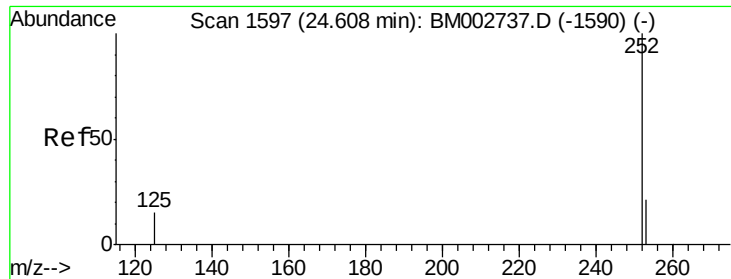
Ion Ratio Lower Upper

252 100

253 28.7 20.8 31.2

125 31.3 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.31 ng/ul

RT: 24.62 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

D9G68

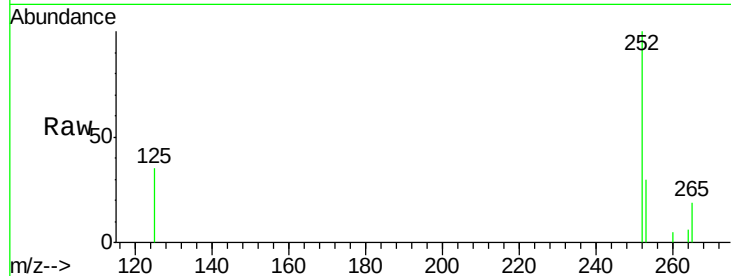
Tot Ion:252 Resp: 35054

Ion Ratio Lower Upper

252 100

253 30.3 21.8 32.8

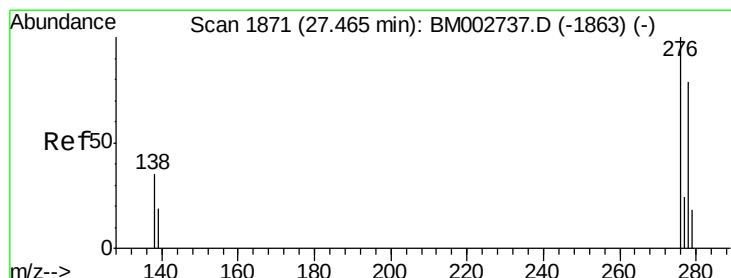
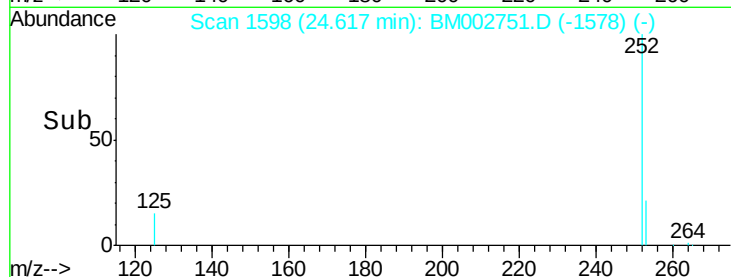
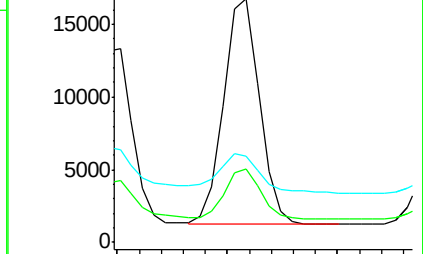
125 35.2 14.5 21.7#



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: 0.23 ng/ul

RT: 27.47 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

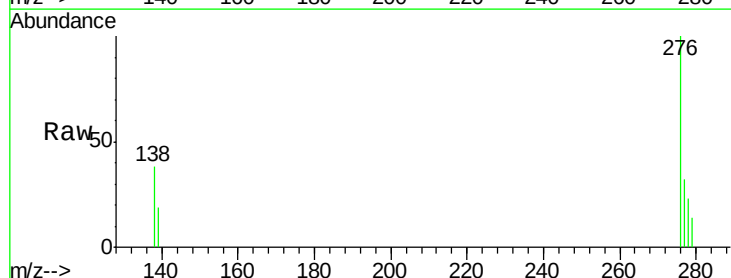
Tgt Ion:276 Resp: 28638

Ion Ratio Lower Upper

276 100

138 28.6 27.5 41.3

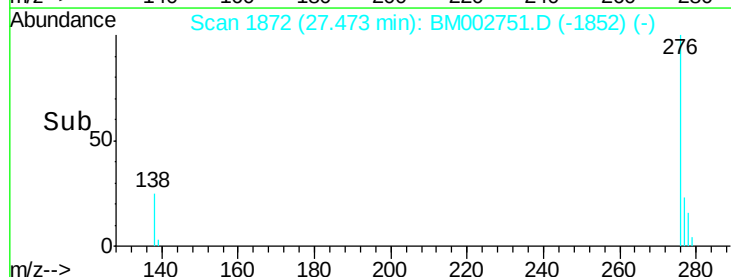
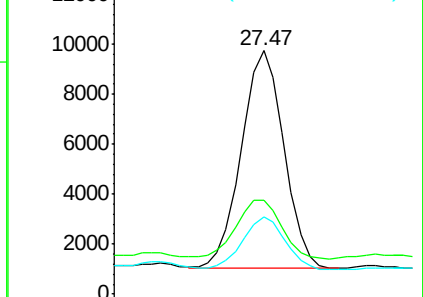
277 24.0 19.3 28.9

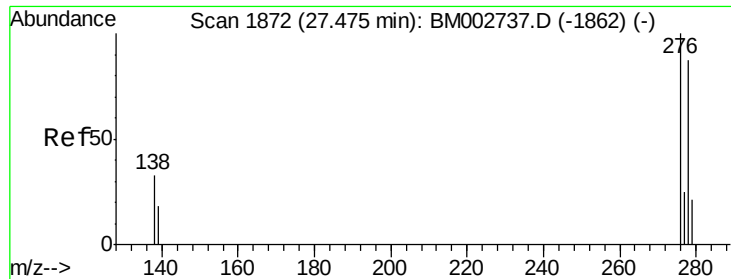


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

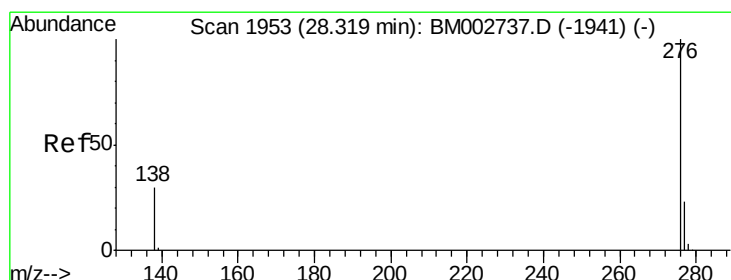
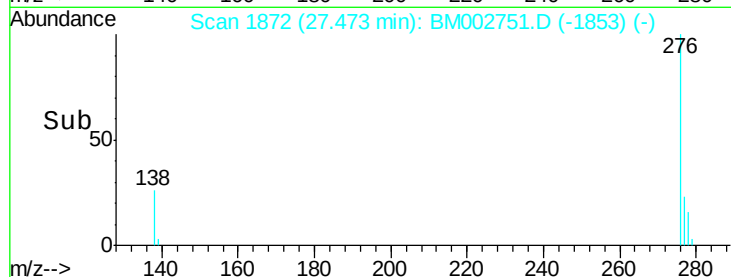
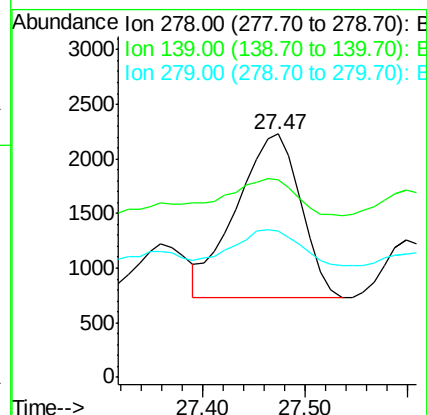
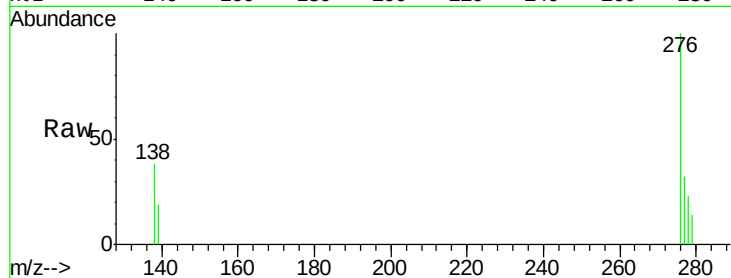




#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.47 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Instrument :
BNA_M
ClientSampleId :
D9G68

Tot Ion:278 Resp: 6549
Ion Ratio Lower Upper
278 100
139 81.3 21.7 32.5#
279 60.1 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.25 ng/ul
RT: 28.33 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Tgt Ion:276 Resp: 26581
Ion Ratio Lower Upper
276 100
277 33.5 21.3 31.9#
138 43.6 25.5 38.3#

