

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122915\  
 Data File : BM003830.D  
 Acq On : 28 Dec 2015 16:08  
 Operator : UM/SJ  
 Sample : PB87573BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 4

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB87573BS

Quant Time: Dec 29 02:30:42 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 10:08:49 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 247189   | 20.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 997654   | 20.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.33 | 164  | 501787   | 20.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 827382   | 20.00 | ng    | 0.03     |
| 26) Chrysene-d12          | 21.29 | 240  | 717663   | 20.00 | ng    | 0.00     |
| 35) Perylene-d12          | 23.53 | 264  | 574949   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 4) 2-Fluorophenol           | 5.28  | 112 | 1846382 | 126.45 | ng | 0.02 |
| 5) Phenol-d6                | 6.87  | 99  | 2245887 | 125.59 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.85  | 82  | 1327659 | 100.45 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 521157  | 130.23 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.95 | 172 | 3109984 | 81.04  | ng | 0.00 |
| 29) Terphenyl-d14           | 19.72 | 244 | 1811109 | 64.45  | ng | 0.00 |

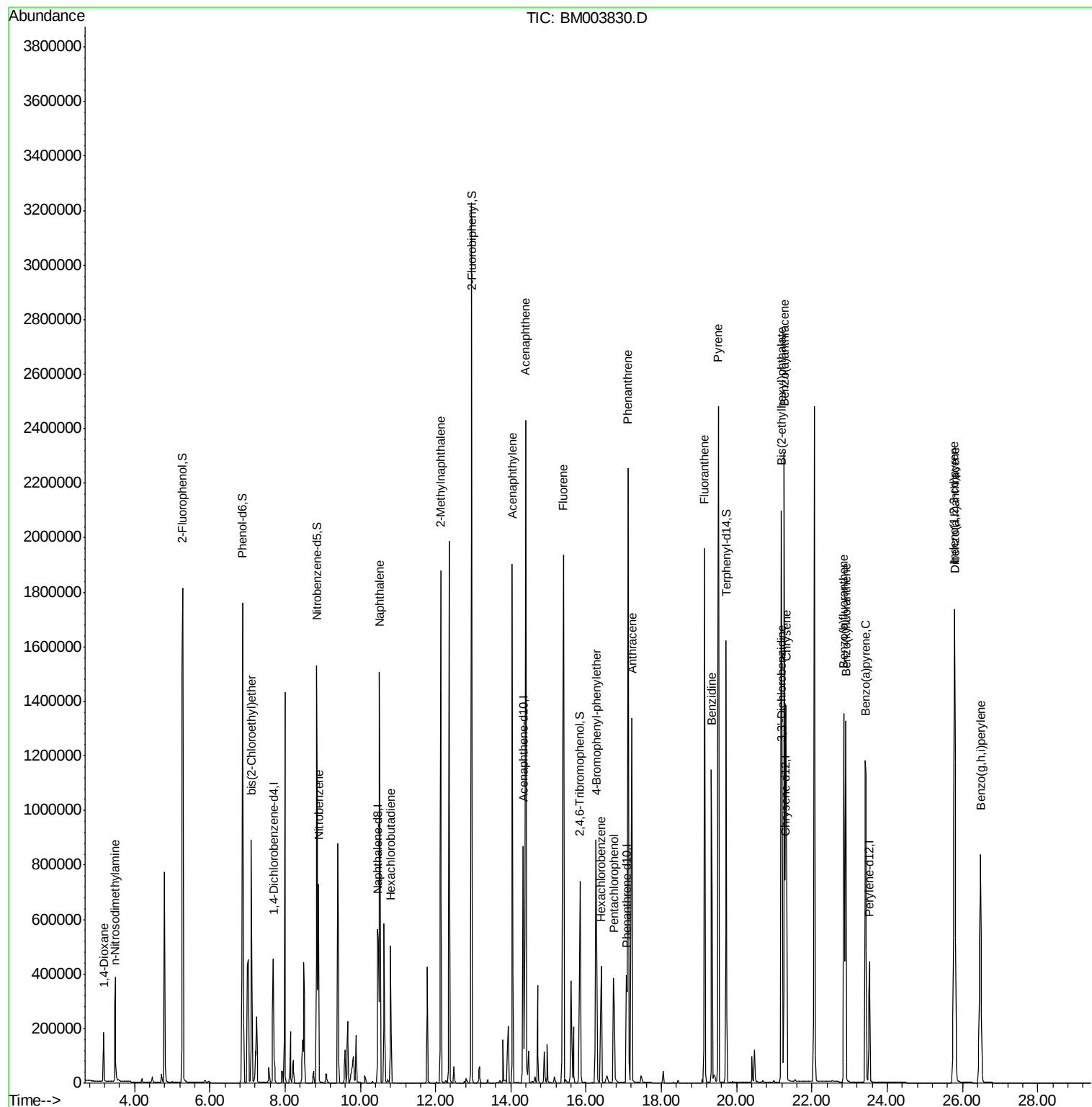
|                                |       |     |          |       |    |        |
|--------------------------------|-------|-----|----------|-------|----|--------|
| Target Compounds               |       |     |          |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 154223   | 27.48 | ng | 94     |
| 3) n-Nitrosodimethylamine      | 3.48  | 42  | 259262   | 39.40 | ng | 96     |
| 6) bis(2-Chloroethyl)ether     | 7.11  | 93  | 616994   | 38.82 | ng | 100    |
| 9) Nitrobenzene                | 8.89  | 77  | 705573   | 47.00 | ng | 93     |
| 10) Naphthalene                | 10.51 | 128 | 2157503  | 37.89 | ng | 100    |
| 11) Hexachlorobutadiene        | 10.80 | 225 | 360495   | 41.02 | ng | 100    |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 1522946  | 40.04 | ng | 97     |
| 16) Acenaphthylene             | 14.04 | 152 | 2359728  | 41.33 | ng | 99     |
| 17) Acenaphthene               | 14.39 | 154 | 1454932  | 40.79 | ng | 99     |
| 18) Fluorene                   | 15.39 | 166 | 1652162  | 39.53 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248 | 545531   | 40.47 | ng | 97     |
| 21) Hexachlorobenzene          | 16.40 | 284 | 513995   | 41.29 | ng | # 98   |
| 22) Pentachlorophenol          | 16.73 | 266 | 427741   | 93.94 | ng | # 68   |
| 23) Phenanthrene               | 17.11 | 178 | 2662104  | 37.60 | ng | 98     |
| 24) Anthracene                 | 17.22 | 178 | 2236346  | 43.37 | ng | 99     |
| 25) Fluoranthene               | 19.14 | 202 | 2495191  | 37.23 | ng | 98     |
| 27) Benzidine                  | 19.33 | 184 | 1627239m | 47.86 | ng |        |
| 28) Pyrene                     | 19.52 | 202 | 2587923  | 43.72 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.27 | 228 | 2108073m | 39.25 | ng |        |
| 31) 3,3'-Dichlorobenzidine     | 21.21 | 252 | 786450   | 41.83 | ng | 93     |
| 32) Chrysene                   | 21.31 | 228 | 1710239m | 35.51 | ng |        |
| 33) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 2074131  | 51.55 | ng | # 98   |
| 34) Indeno(1,2,3-cd)pyrene     | 25.79 | 276 | 1904430  | 50.19 | ng | 98     |
| 36) Benzo(b)fluoranthene       | 22.85 | 252 | 1801991  | 38.36 | ng | 95     |
| 37) Benzo(k)fluoranthene       | 22.90 | 252 | 1760051  | 40.64 | ng | 99     |
| 38) Benzo(a)pyrene             | 23.42 | 252 | 1759871  | 43.75 | ng | 96     |
| 39) Dibenzo(a,h)anthracene     | 25.80 | 278 | 1536102  | 48.71 | ng | 97     |
| 40) Benzo(g,h,i)perylene       | 26.48 | 276 | 1673825  | 50.71 | ng | 96     |

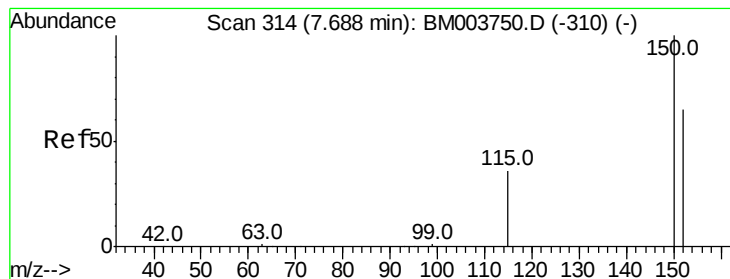
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 24 10:08:49 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.69 min Scan# 314

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

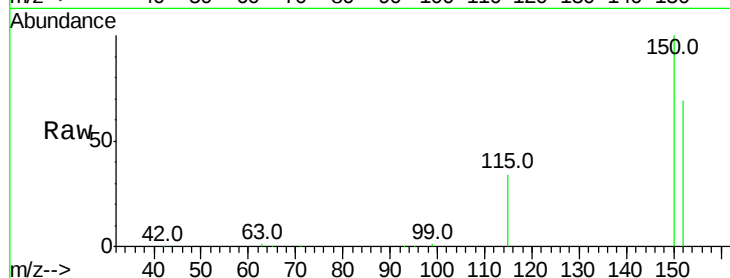
Tot Ion:152 Resp: 247189

Ion Ratio Lower Upper

152 100

150 144.3 122.9 184.3

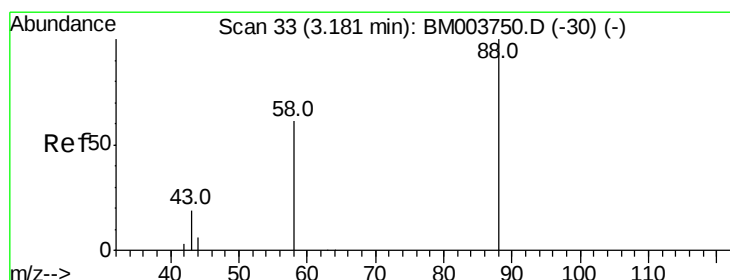
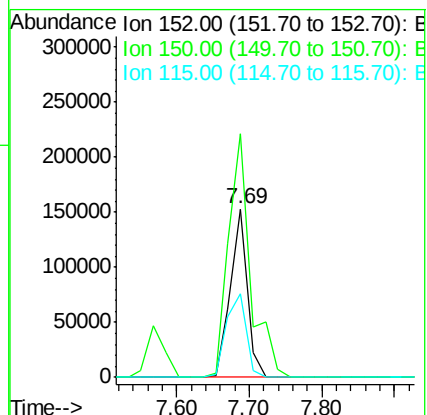
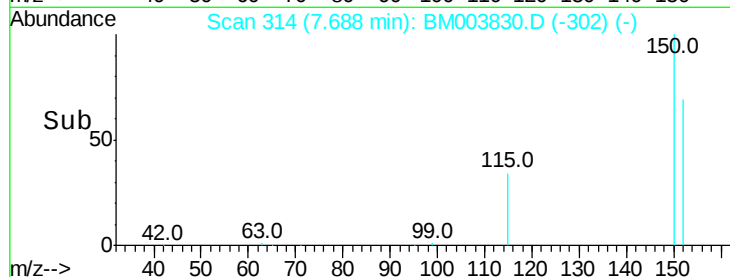
115 49.5 44.4 66.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 27.48 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

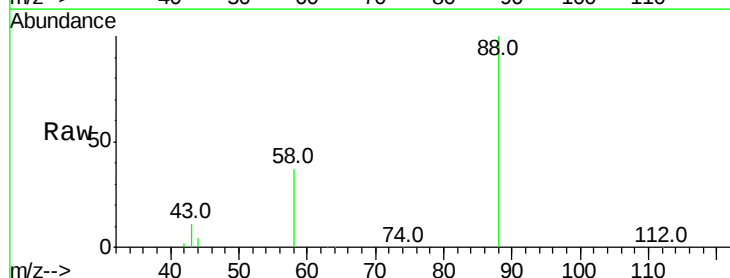
Tgt Ion: 88 Resp: 154223

Ion Ratio Lower Upper

88 100

58 71.8 53.8 80.6

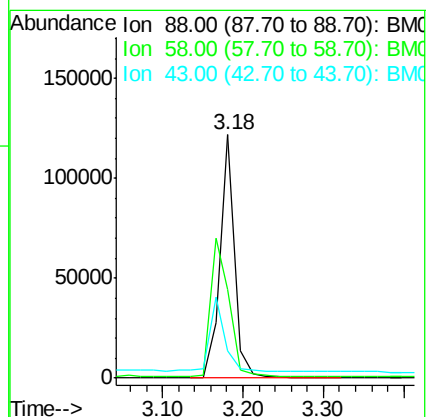
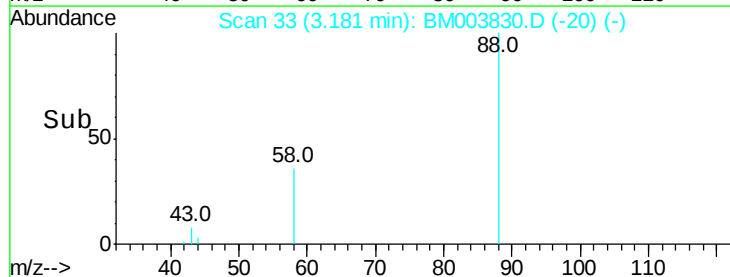
43 32.6 23.8 35.6

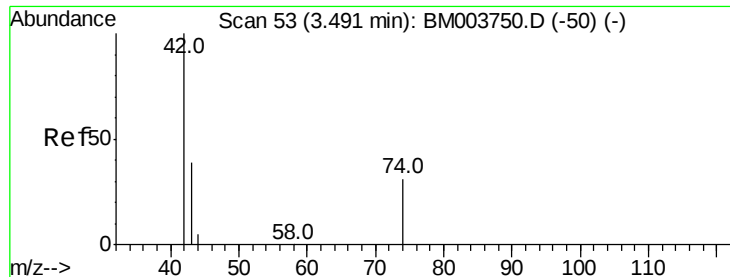


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 39.40 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

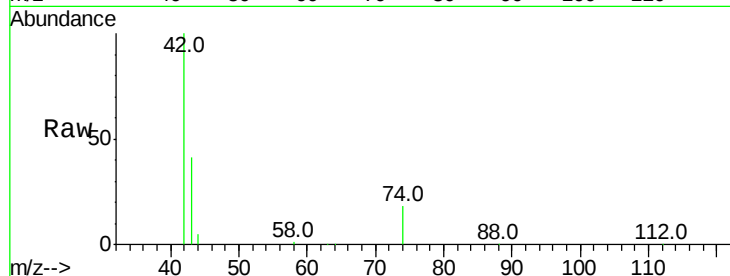
Tot Ion: 42 Resp: 259262

Ion Ratio Lower Upper

42 100

74 123.5 95.0 142.4

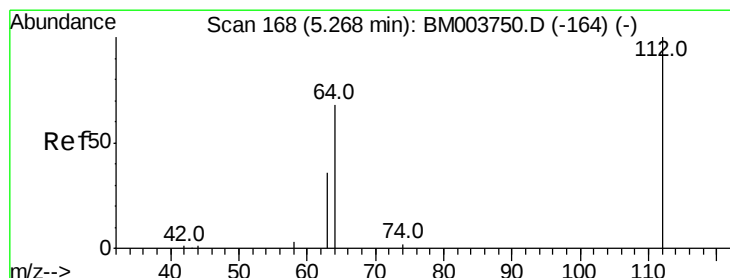
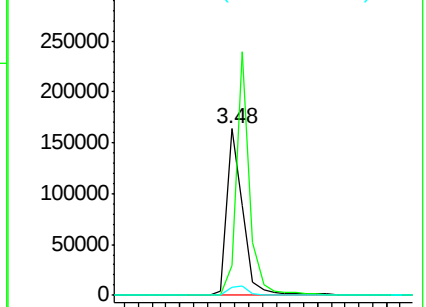
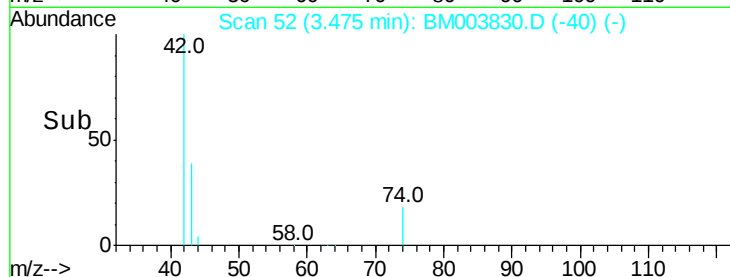
44 6.1 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM003750.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003750.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003750.D (-50) (-)



#4

2-Fluorophenol

Concen: 126.45 ng

RT: 5.28 min Scan# 169

Delta R.T. 0.02 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

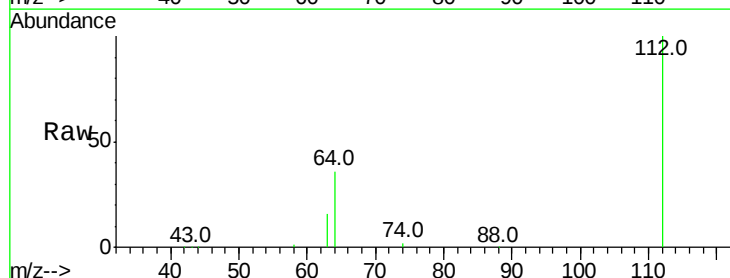
Tgt Ion: 112 Resp: 1846382

Ion Ratio Lower Upper

112 100

64 51.8 41.8 62.8

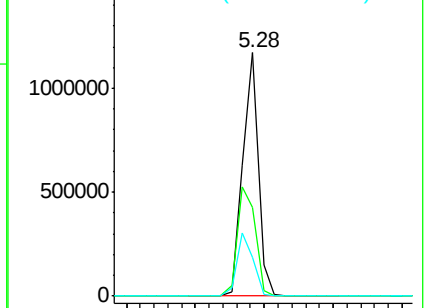
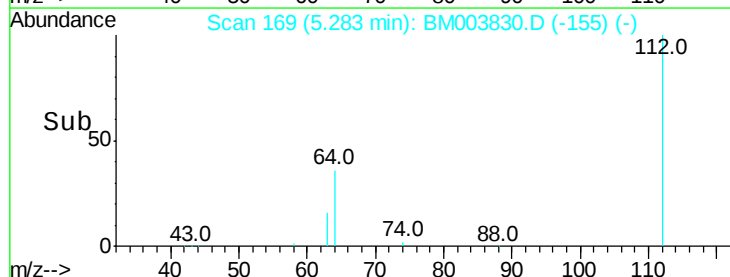
63 27.1 22.1 33.1

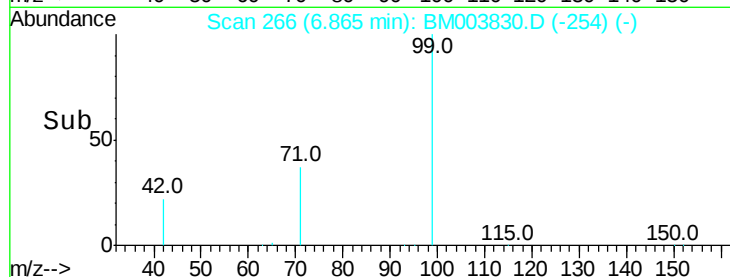
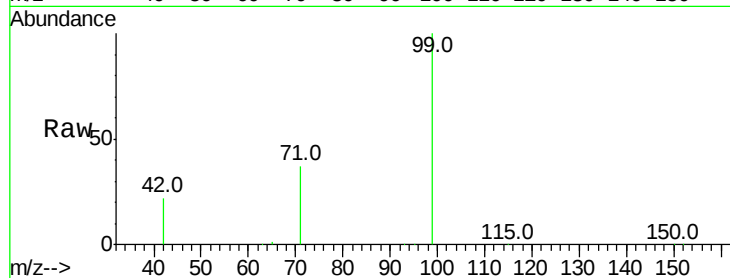
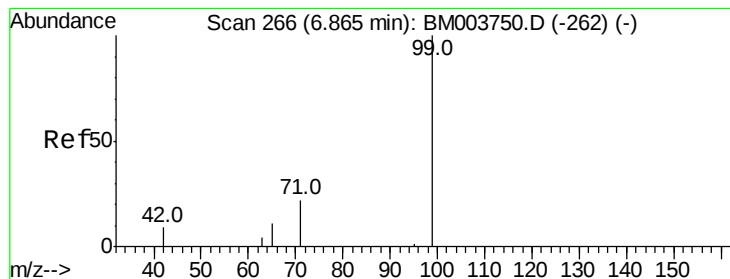


Abundance Ion 112.00 (111.70 to 112.70): BM003750.D (-164) (-)

Ion 64.00 (63.70 to 64.70): BM003750.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM003750.D (-164) (-)





#5

Phenol-d6

Concen: 125.59 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

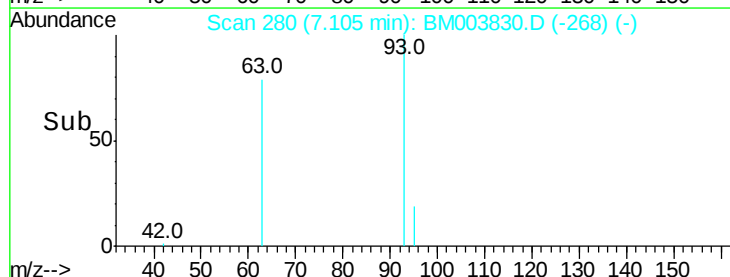
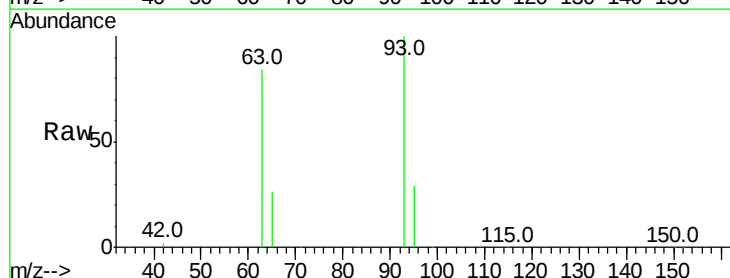
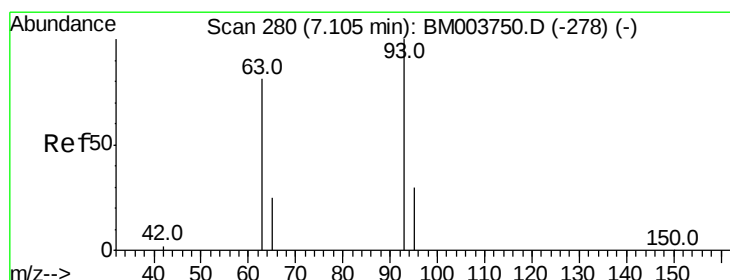
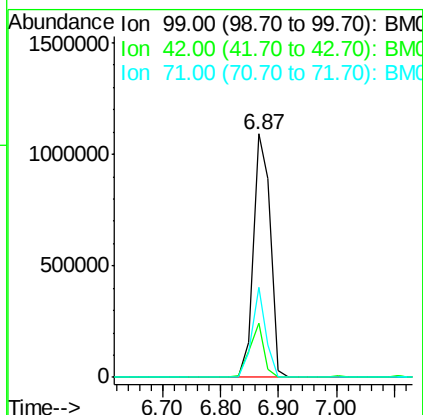
BNA\_M

ClientSampleId :

PB87573BS

Tot Ion: 99 Resp: 2245887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.8  | 16.2  | 24.2  |
| 71  | 30.5  | 24.4  | 36.6  |



#6

bis(2-Chloroethyl)ether

Concen: 38.82 ng

RT: 7.11 min Scan# 280

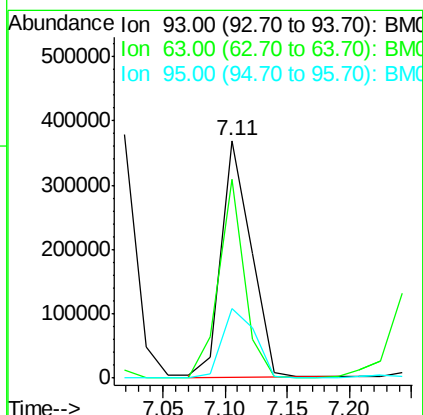
Delta R.T. 0.00 min

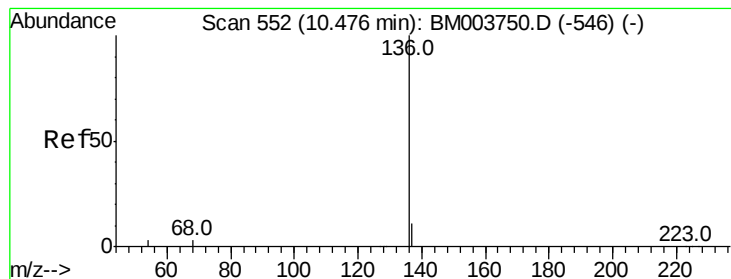
Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Tgt Ion: 93 Resp: 616994

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 72.9  | 58.3  | 87.5  |
| 95  | 32.6  | 25.8  | 38.8  |





#7

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

Tot Ion:136 Resp: 997654

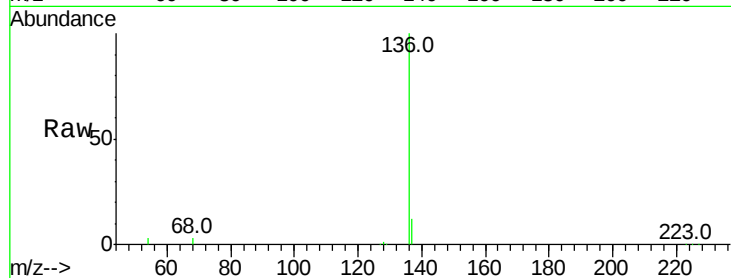
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 3.1 2.8 4.2

68 2.8 2.5 3.7

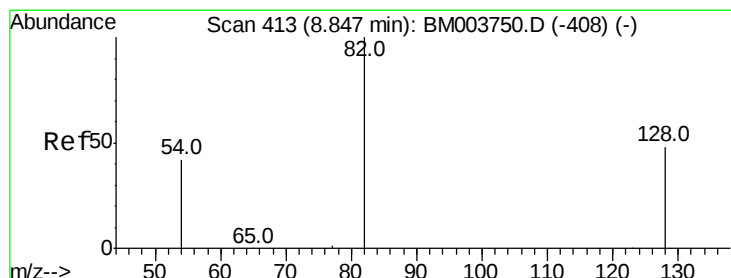
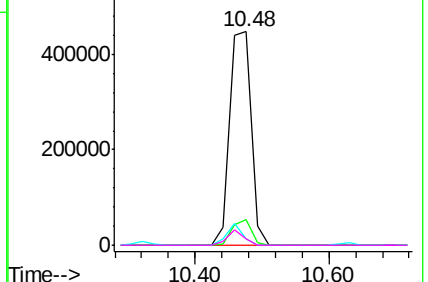
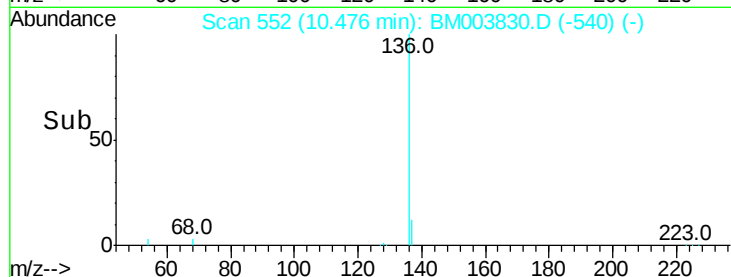


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#8

Nitrobenzene-d5

Concen: 100.45 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

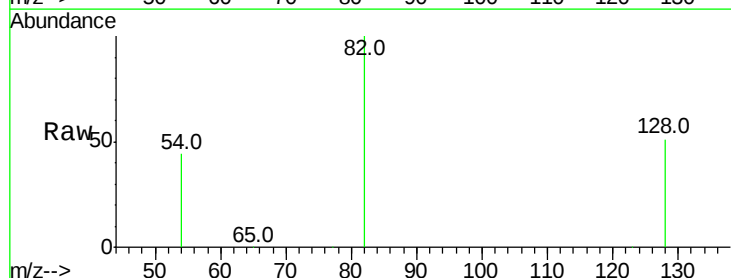
Tgt Ion: 82 Resp: 1327659

Ion Ratio Lower Upper

82 100

128 51.1 39.1 58.7

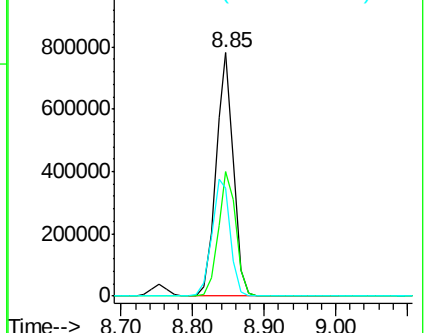
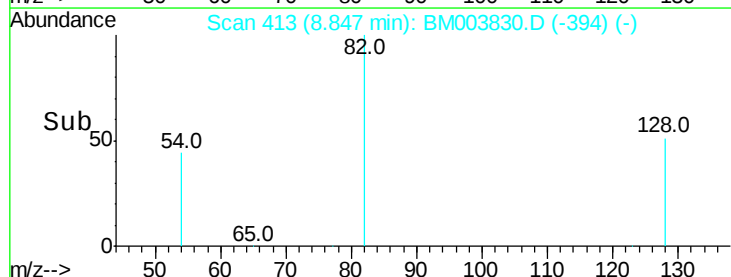
54 44.3 34.8 52.2

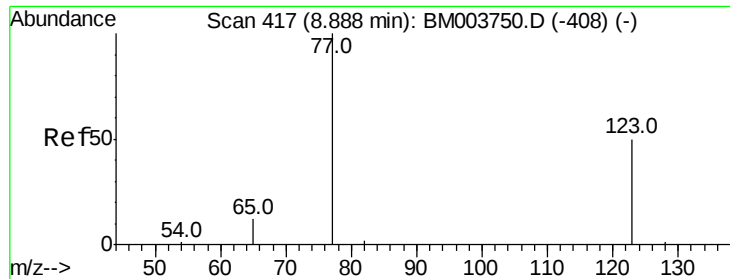


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#9

Nitrobenzene

Concen: 47.00 ng

RT: 8.89 min Scan# 417

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

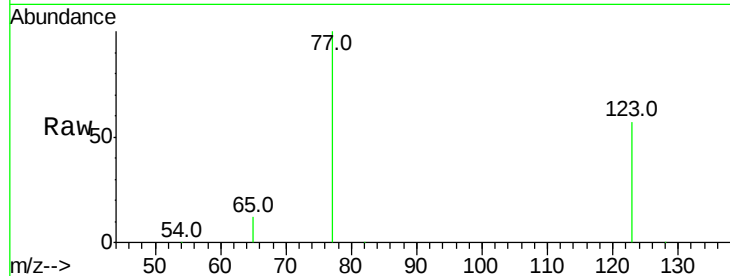
Tot Ion: 77 Resp: 705573

Ion Ratio Lower Upper

77 100

123 53.3 38.6 57.8

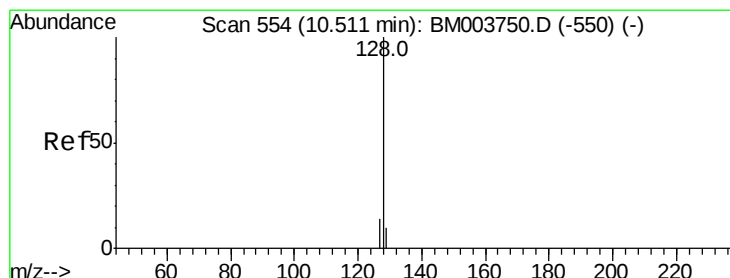
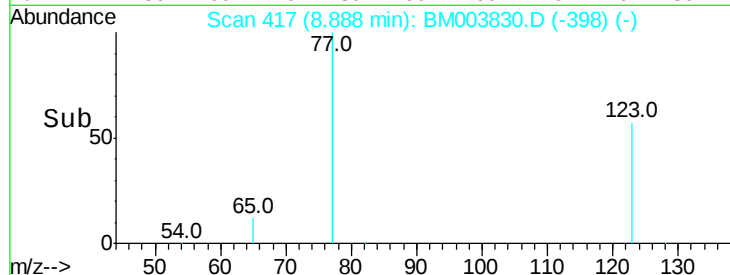
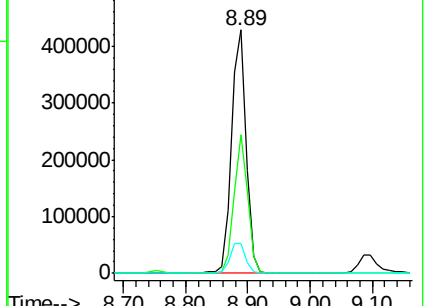
65 13.4 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BM003750.D (-408) (-)

Ion 123.00 (122.70 to 123.70): BM003750.D (-408) (-)

Ion 65.00 (64.70 to 65.70): BM003750.D (-408) (-)



#10

Naphthalene

Concen: 37.89 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

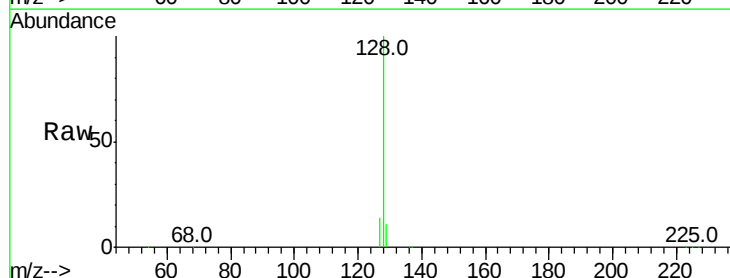
Tgt Ion: 128 Resp: 2157503

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

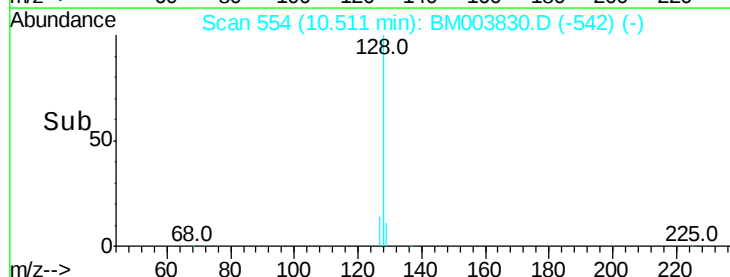
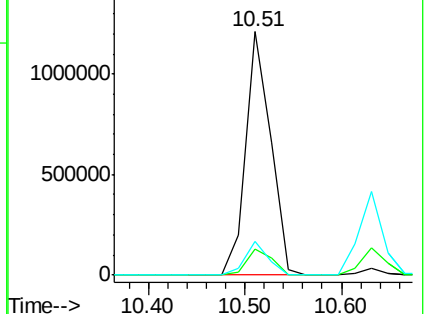
127 13.8 11.0 16.4

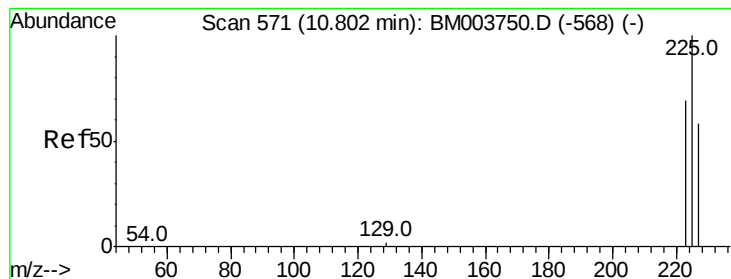


Abundance Ion 128.00 (127.70 to 128.70): BM003750.D (-550) (-)

Ion 129.00 (128.70 to 129.70): BM003750.D (-550) (-)

Ion 127.00 (126.70 to 127.70): BM003750.D (-550) (-)





#11

Hexachlorobutadiene

Concen: 41.02 ng

RT: 10.80 min Scan# 571

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

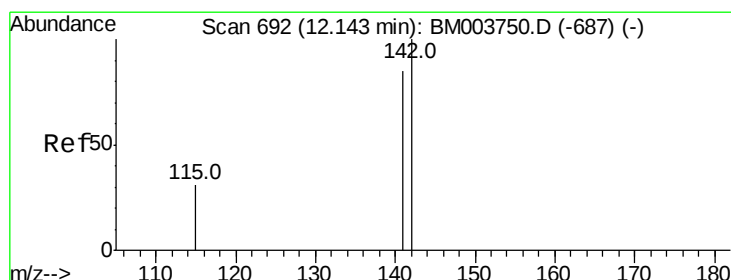
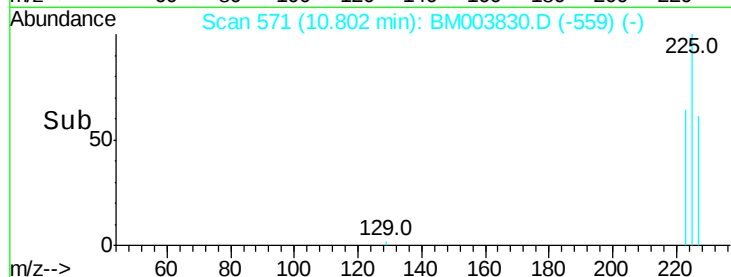
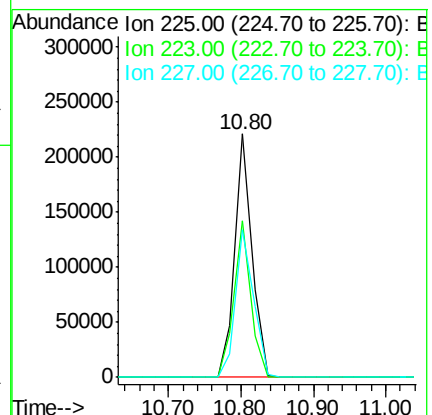
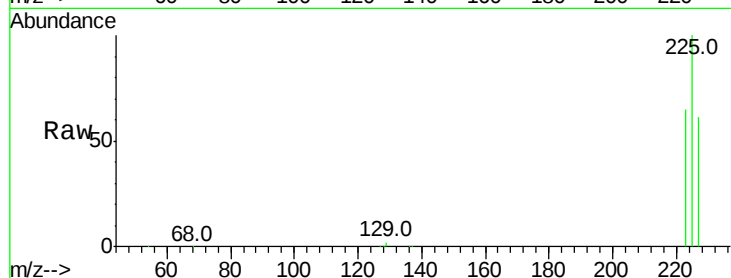
Tot Ion:225 Resp: 360495

Ion Ratio Lower Upper

225 100

223 63.3 50.9 76.3

227 63.8 51.2 76.8



#12

2-Methylnaphthalene

Concen: 40.04 ng

RT: 12.14 min Scan# 692

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

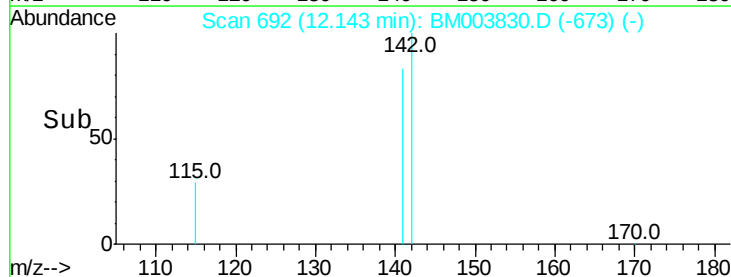
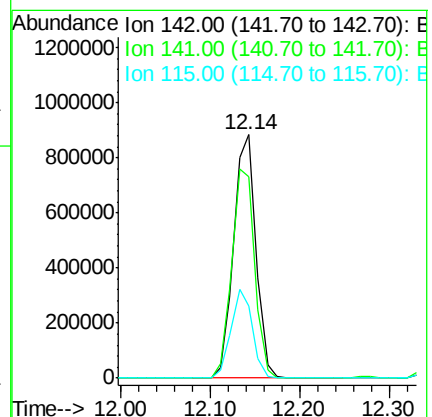
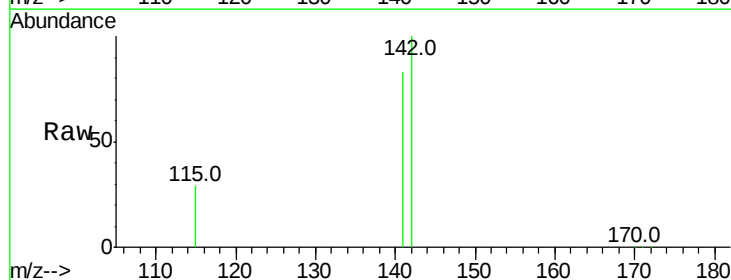
Tgt Ion:142 Resp: 1522946

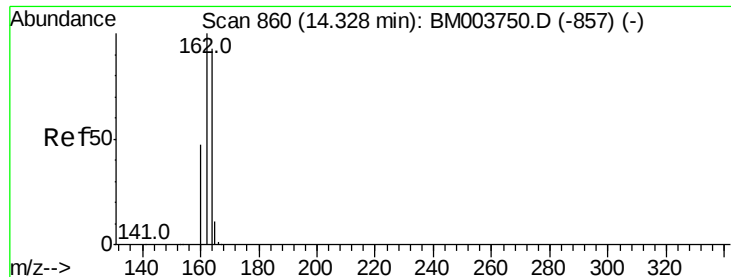
Ion Ratio Lower Upper

142 100

141 82.7 67.8 101.8

115 29.5 25.3 37.9





#13

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

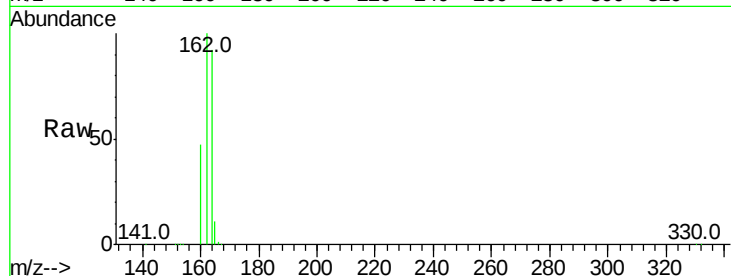
Tot Ion:164 Resp: 501787

Ion Ratio Lower Upper

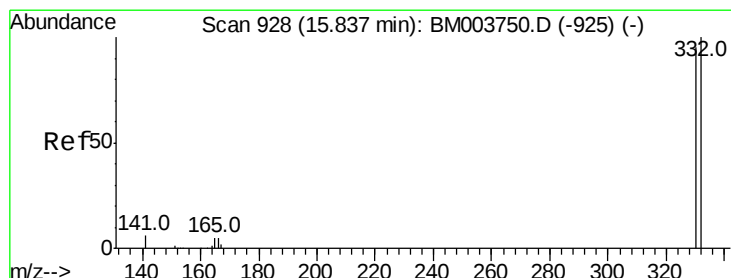
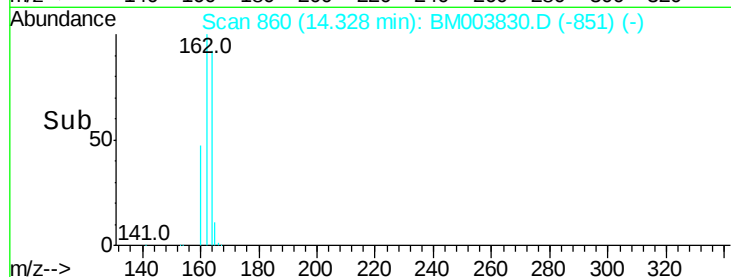
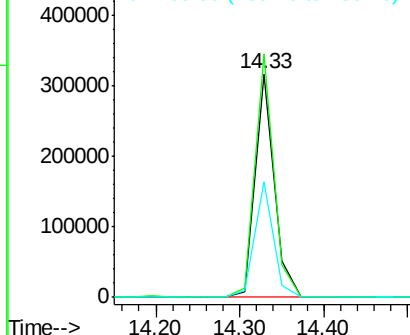
164 100

162 109.0 86.0 129.0

160 51.6 40.3 60.5



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 130.23 ng

RT: 15.84 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

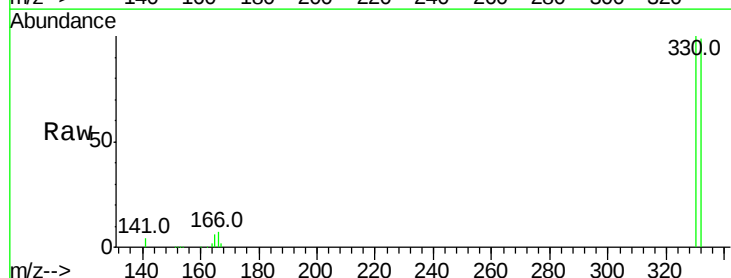
Tgt Ion:330 Resp: 521157

Ion Ratio Lower Upper

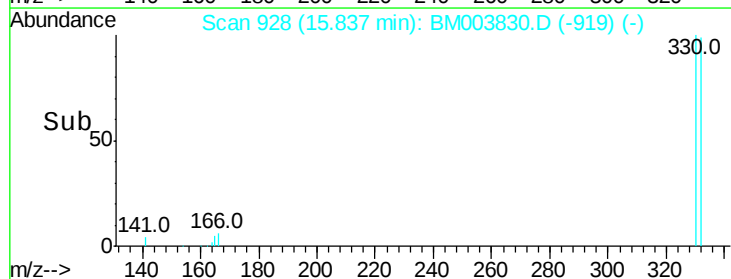
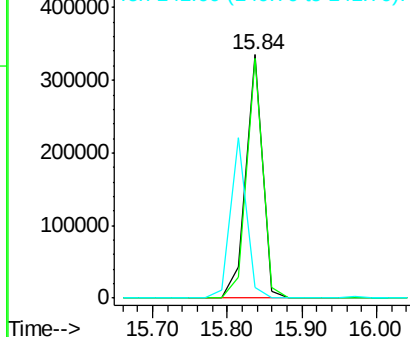
330 100

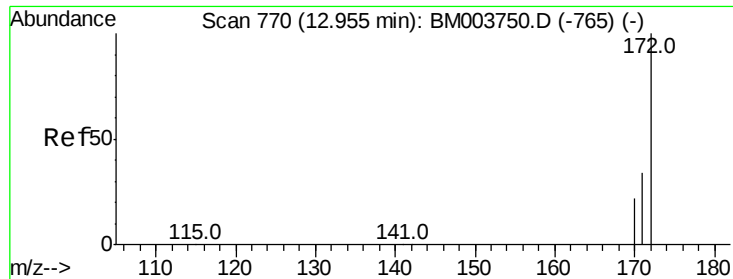
332 96.0 79.0 118.4

141 0.0 0.0 0.0



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

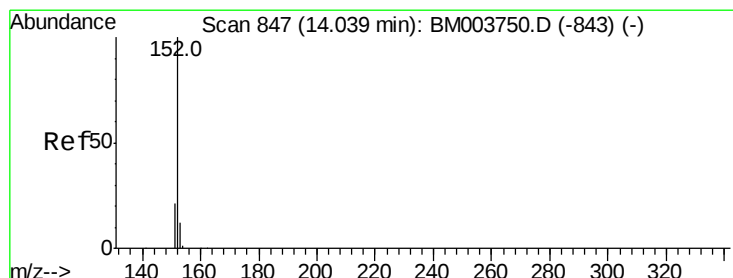
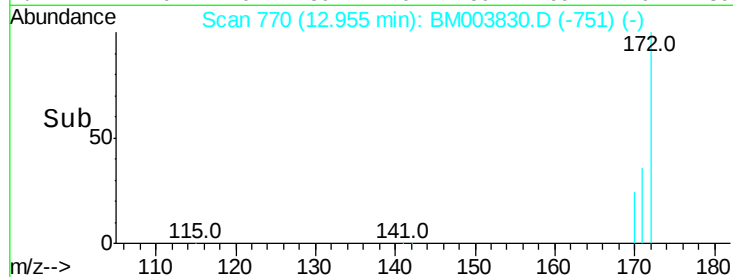
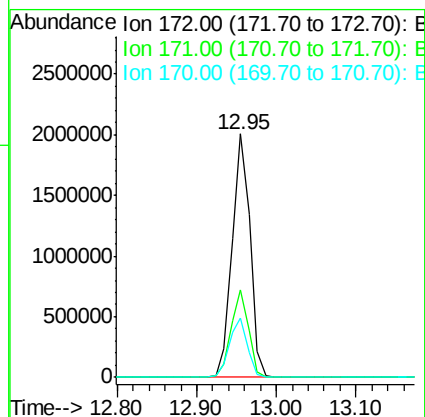
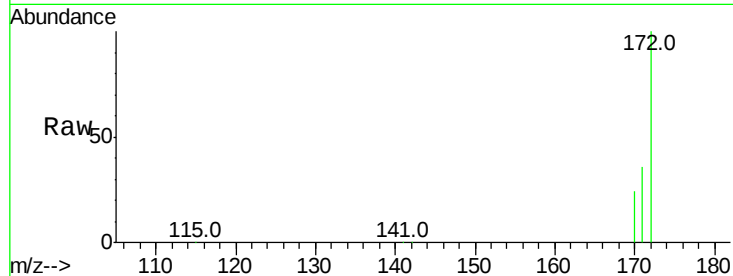




#15  
2-Fluorobiphenyl  
Concen: 81.04 ng  
RT: 12.95 min Scan# 770  
Delta R.T. 0.00 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

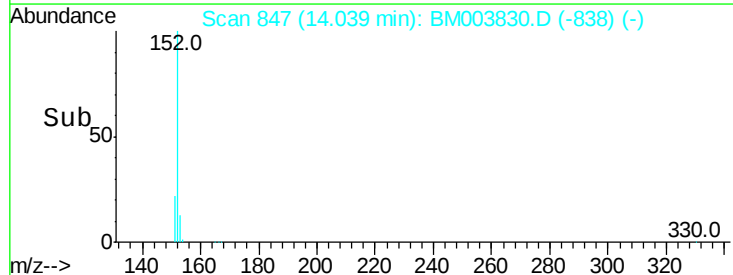
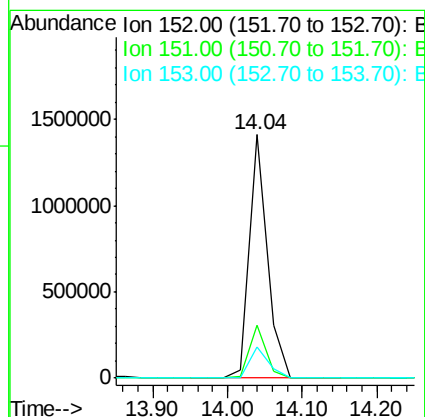
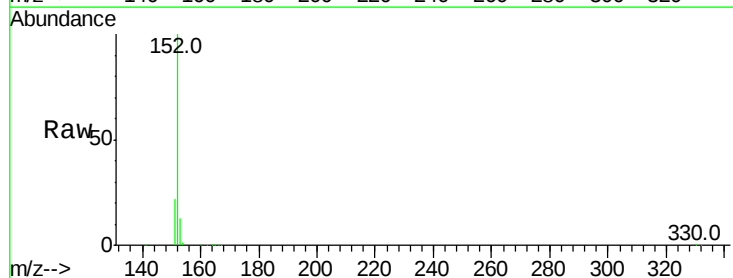
Instrument :  
BNA\_M  
ClientSampleId :  
PB87573BS

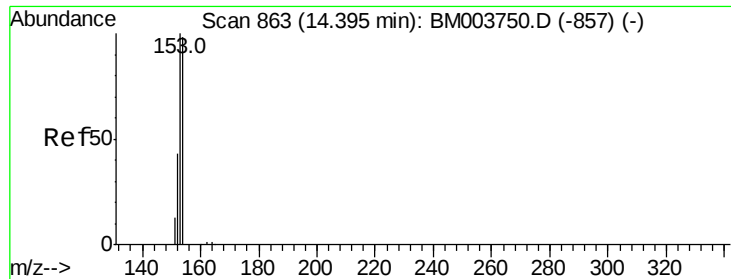
Tot Ion:172 Resp: 3109984  
Ion Ratio Lower Upper  
172 100  
171 35.9 27.0 40.6  
170 24.3 17.9 26.9



#16  
Acenaphthylene  
Concen: 41.33 ng  
RT: 14.04 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

Tgt Ion:152 Resp: 2359728  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.8 23.8  
153 13.3 10.2 15.4





#17

Acenaphthene

Concen: 40.79 ng

RT: 14.39 min Scan# 863

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

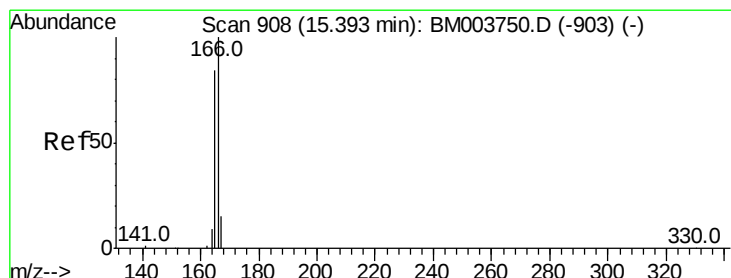
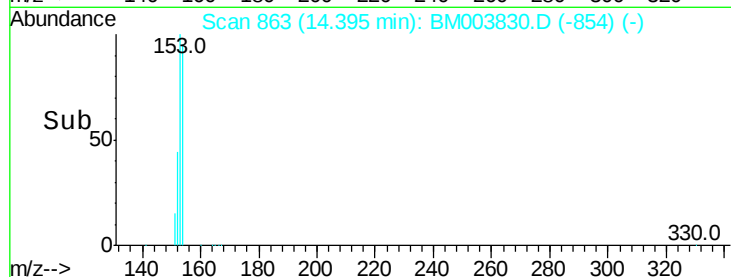
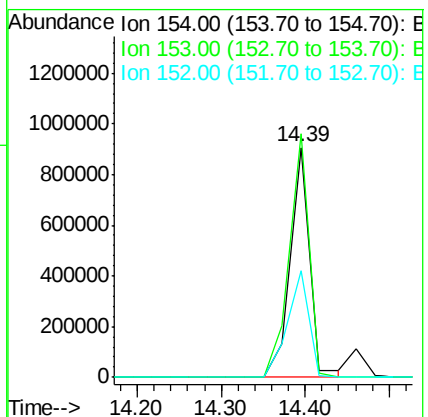
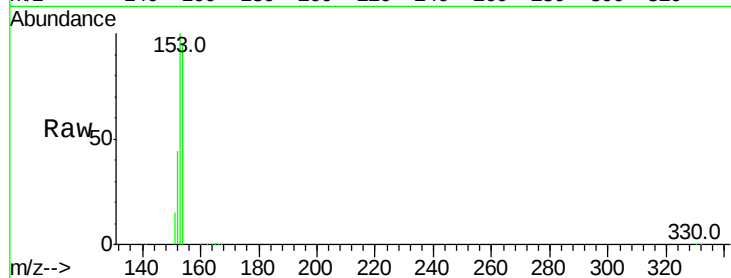
Tot Ion:154 Resp: 1454932

Ion Ratio Lower Upper

154 100

153 108.3 85.4 128.2

152 51.2 40.6 60.8



#18

Fluorene

Concen: 39.53 ng

RT: 15.39 min Scan# 908

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

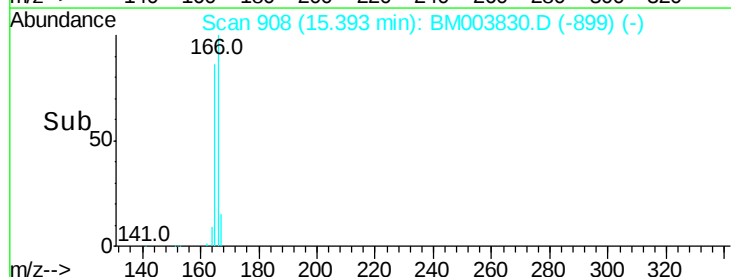
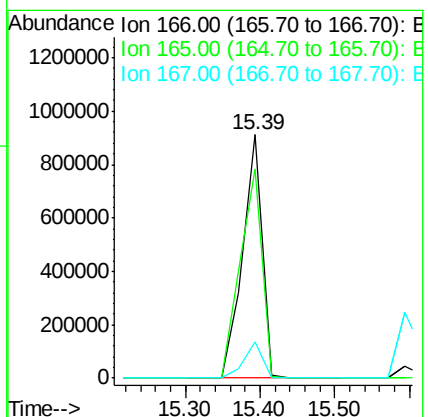
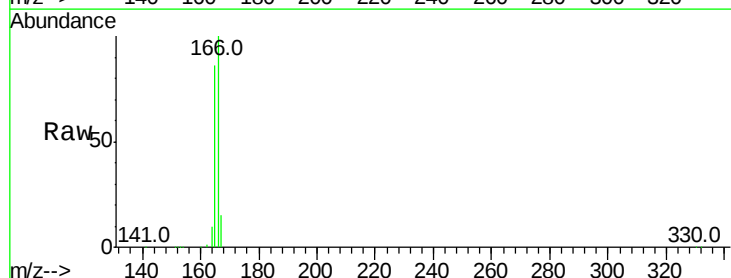
Tgt Ion:166 Resp: 1652162

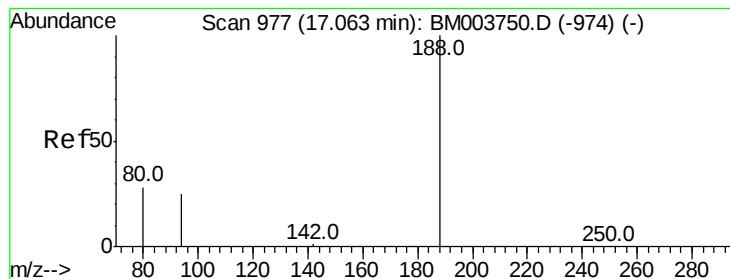
Ion Ratio Lower Upper

166 100

165 95.9 77.2 115.8

167 13.8 11.0 16.6





#19

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.03 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

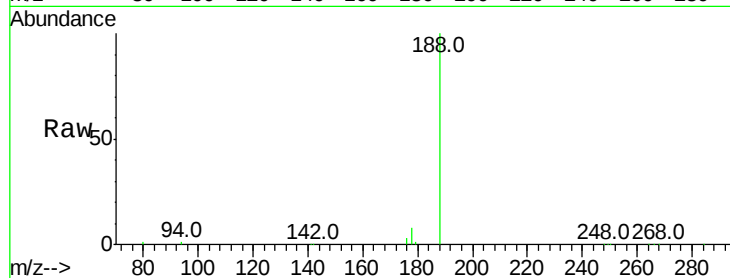
Tot Ion:188 Resp: 827382

Ion Ratio Lower Upper

188 100

94 1.5 20.3 30.5#

80 1.1 22.2 33.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

17.09

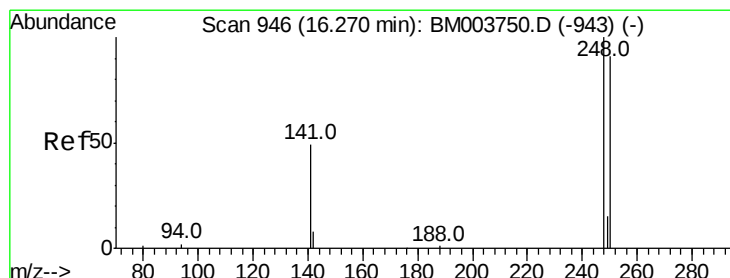
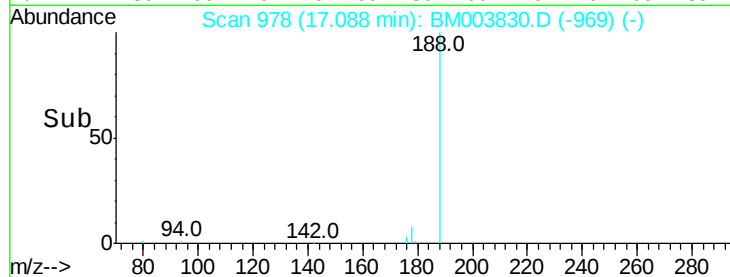
300000

200000

100000

0

Time-->



#20

4-Bromophenyl-phenylether

Concen: 40.47 ng

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

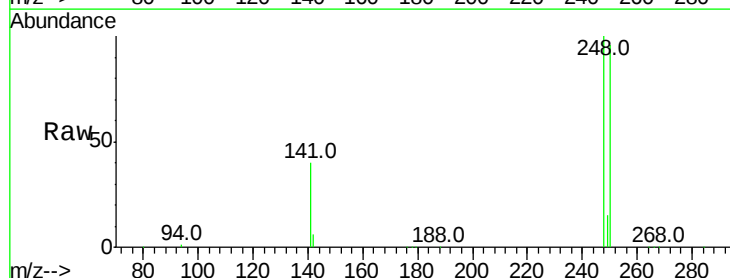
Tgt Ion:248 Resp: 545531

Ion Ratio Lower Upper

248 100

250 96.2 75.0 112.4

141 62.9 53.0 79.4



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.27

400000

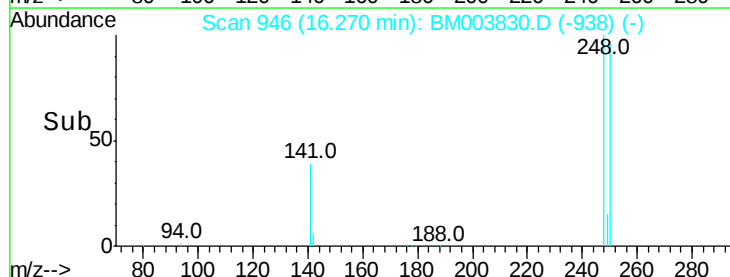
300000

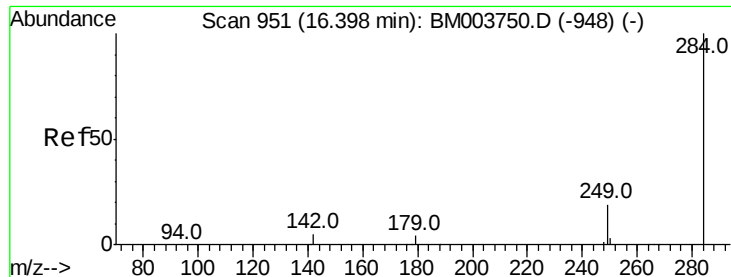
200000

100000

0

Time-->

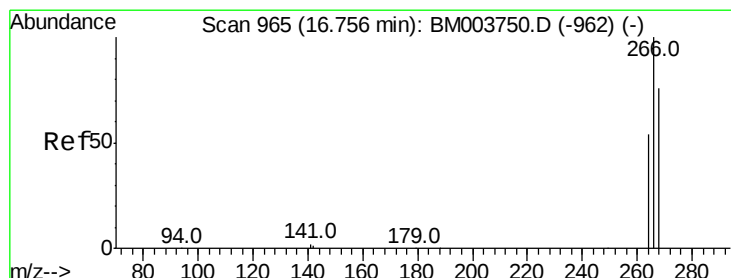
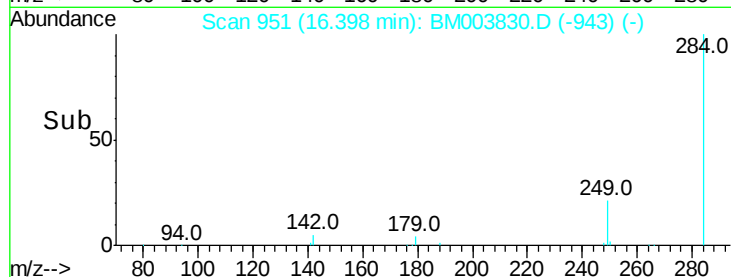
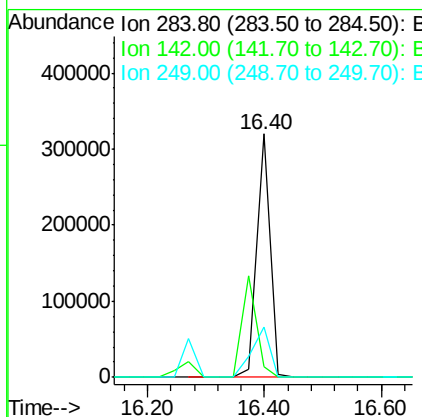
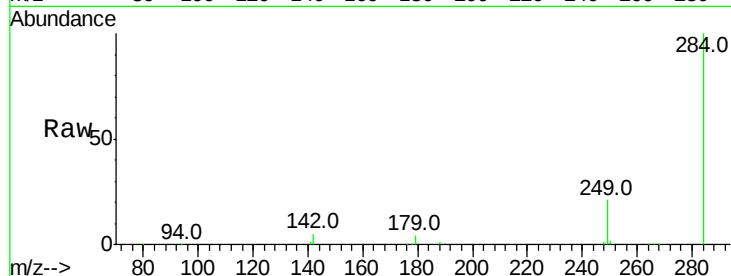




#21  
Hexachlorobenzene  
Concen: 41.29 ng  
RT: 16.40 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

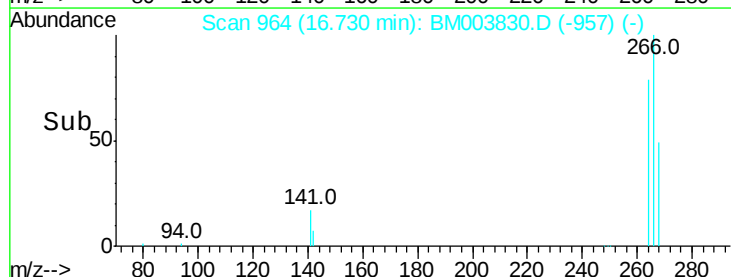
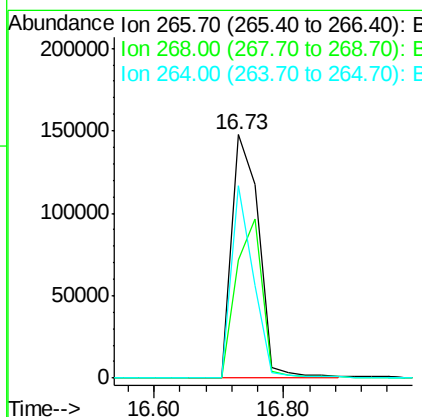
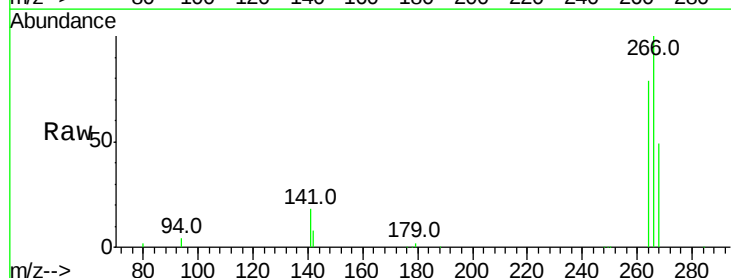
Instrument :  
BNA\_M  
ClientSampleId :  
PB87573BS

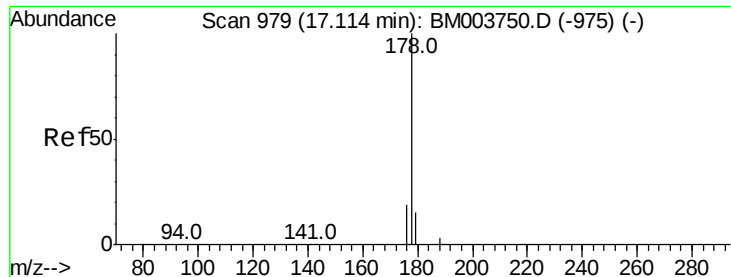
Tot Ion:284 Resp: 513995  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 28.0 21.5 32.3



#22  
Pentachlorophenol  
Concen: 93.94 ng  
RT: 16.73 min Scan# 964  
Delta R.T. -0.02 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

Tgt Ion:266 Resp: 427741  
Ion Ratio Lower Upper  
266 100  
268 48.7 62.7 94.1#  
264 78.9 45.7 68.5#





#23

Phenanthrene

Concen: 37.60 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

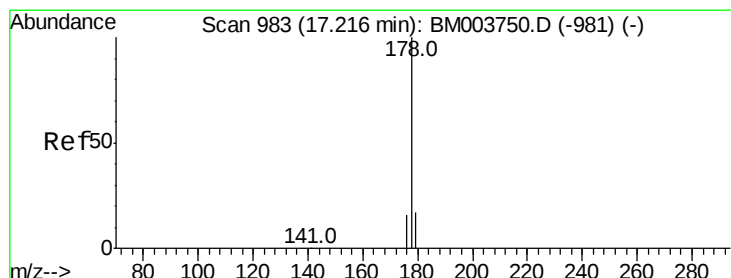
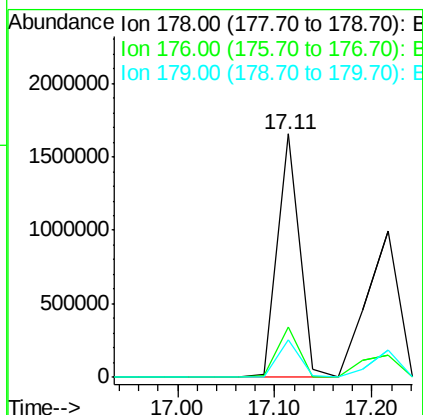
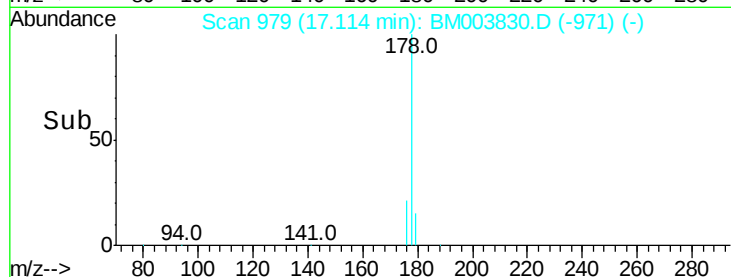
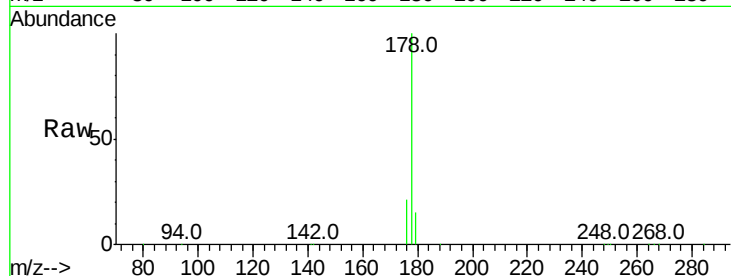
Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB87573BS

Tot Ion:178 Resp: 2662104

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.4  | 15.4  | 23.0  |
| 179 | 15.5  | 12.2  | 18.4  |



#24

Anthracene

Concen: 43.37 ng

RT: 17.22 min Scan# 983

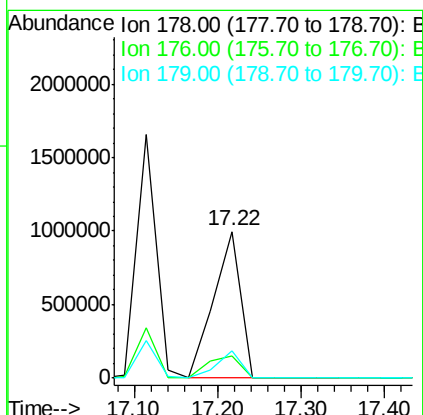
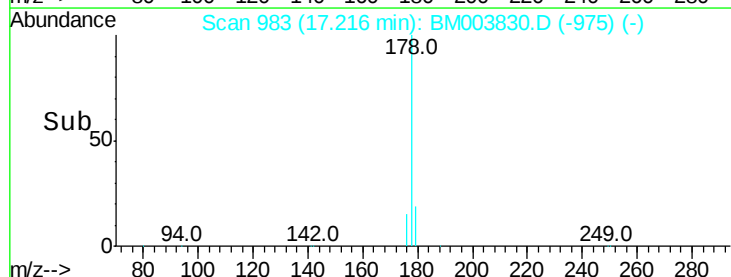
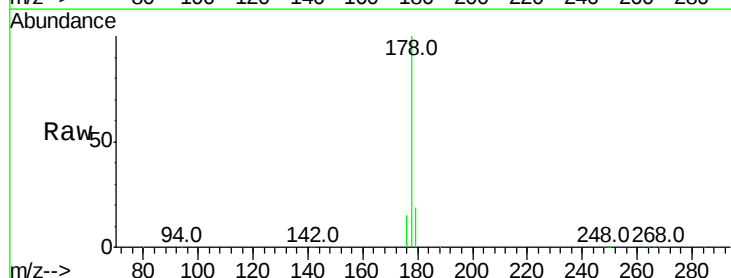
Delta R.T. 0.00 min

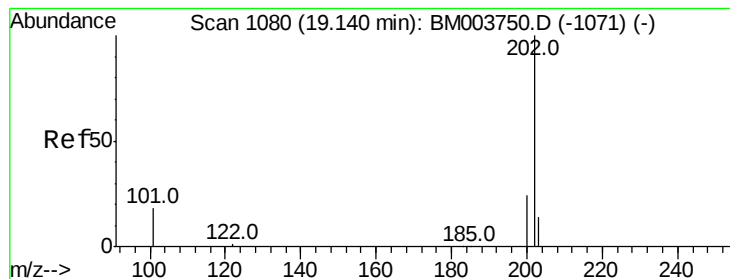
Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Tgt Ion:178 Resp: 2236346

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 14.6  | 21.8  |
| 179 | 16.6  | 12.6  | 19.0  |





#25

Fluoranthene

Concen: 37.23 ng

RT: 19.14 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

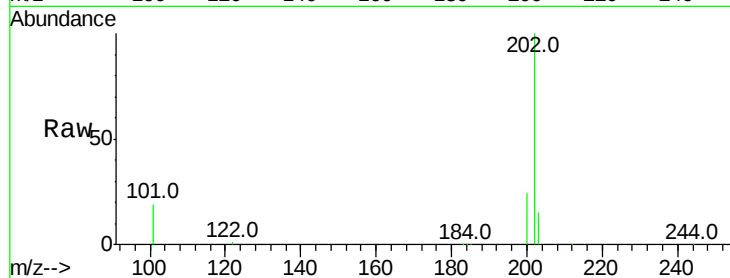
Tot Ion:202 Resp: 2495191

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 12.9  | 9.7   | 14.5  |
| 203 | 18.2  | 13.8  | 20.8  |

202 100

101 12.9 9.7 14.5

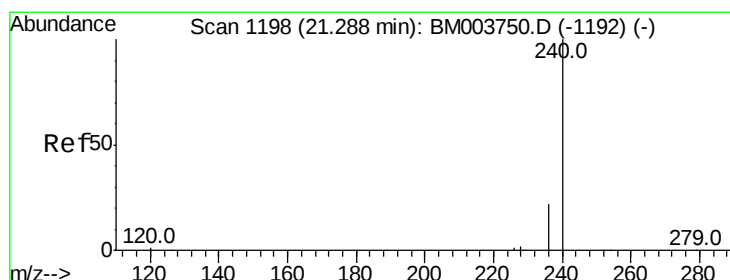
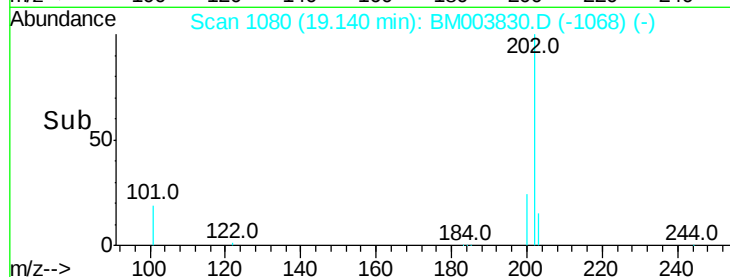
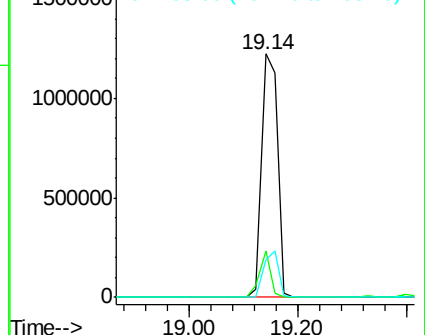
203 18.2 13.8 20.8



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



#26

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

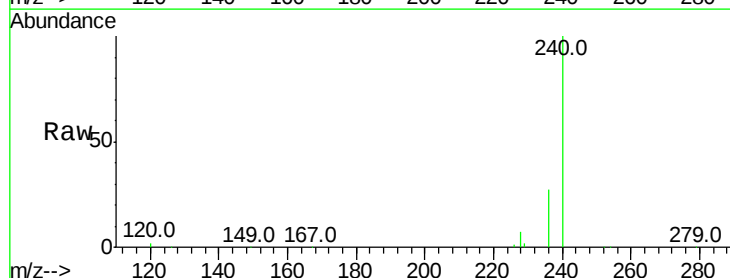
Tgt Ion:240 Resp: 717663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 2.4   | 0.9   | 1.3#  |
| 236 | 26.7  | 17.3  | 25.9# |

240 100

120 2.4 0.9 1.3#

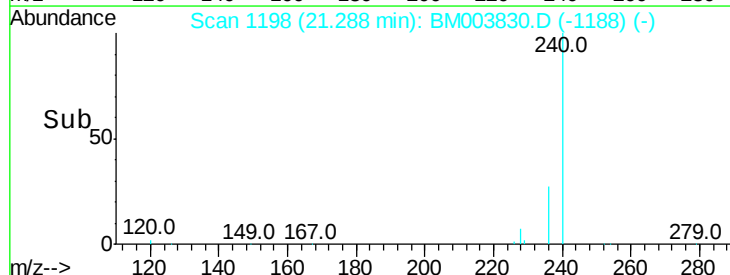
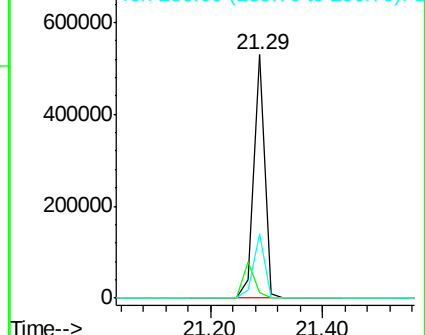
236 26.7 17.3 25.9#

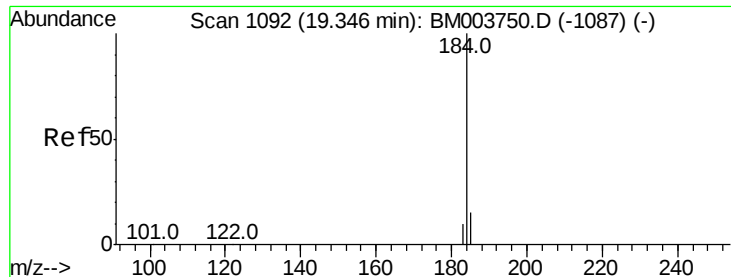


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

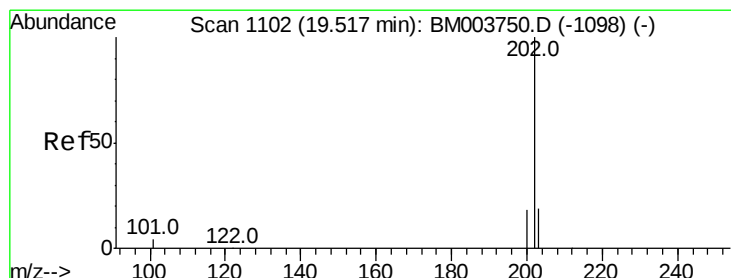
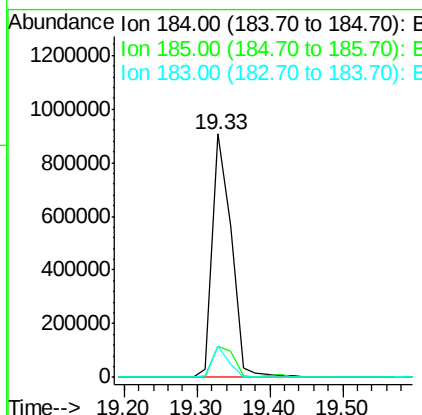
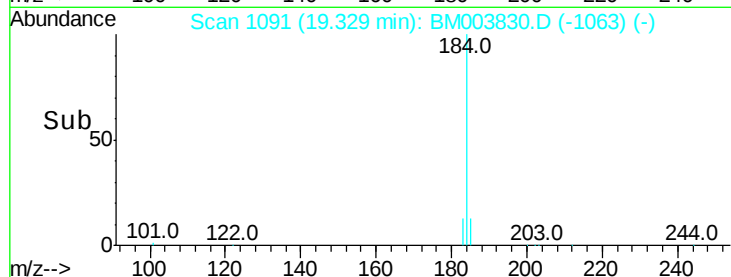
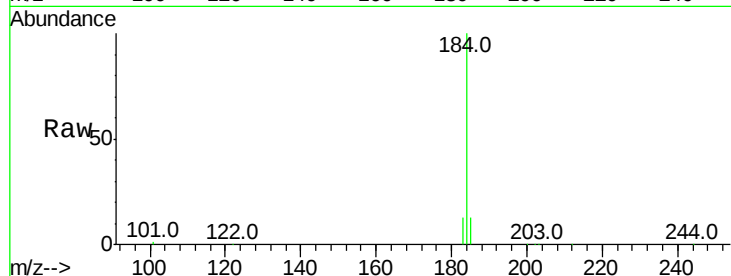




#27  
Benzidine  
Concen: 47.86 ng/ml  
RT: 19.33 min Scan# 1091  
Delta R.T. -0.02 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

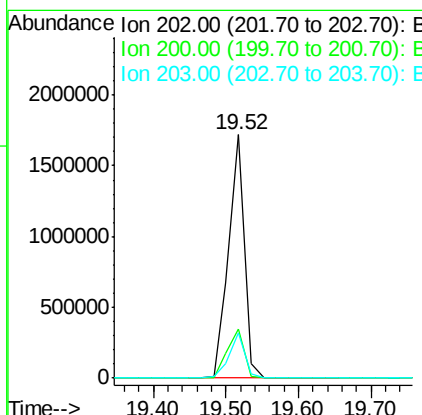
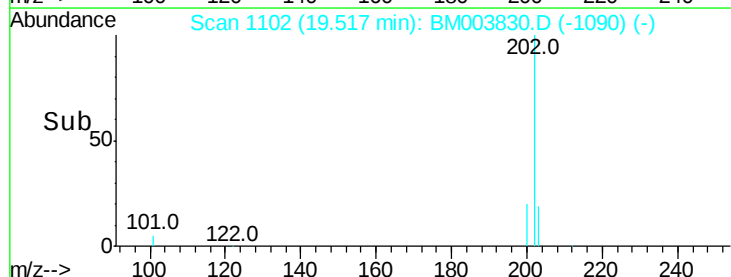
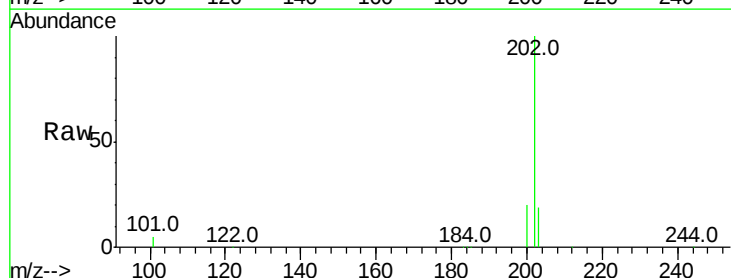
Instrument :  
BNA\_M  
ClientSampleId :  
PB87573BS

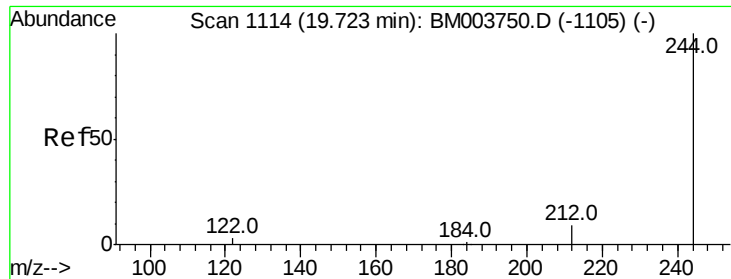
Tot Ion:184 Resp: 1627239  
Ion Ratio Lower Upper  
184 100  
185 12.7 13.2 19.8#  
183 12.6 9.0 13.6



#28  
Pyrene  
Concen: 43.72 ng  
RT: 19.52 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

Tgt Ion:202 Resp: 2587923  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.6 24.8  
203 18.5 14.0 21.0





#29

Terphenyl-d14

Concen: 64.45 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

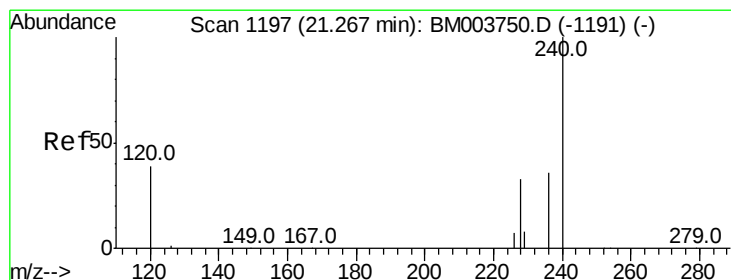
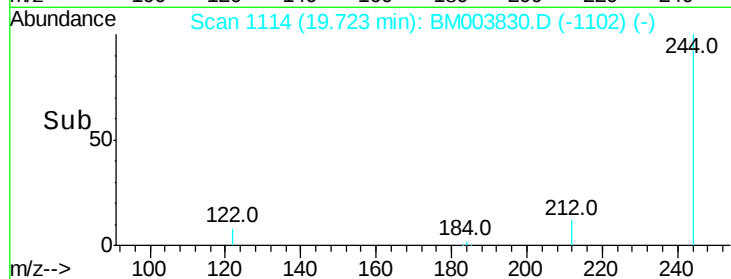
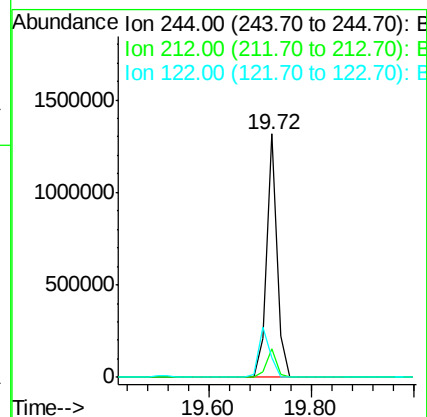
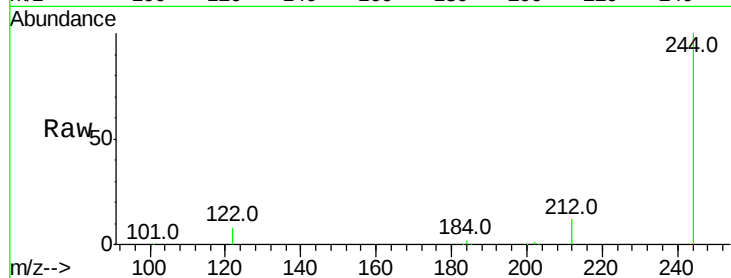
Tot Ion:244 Resp: 1811109

Ion Ratio Lower Upper

244 100

212 11.6 7.0 10.6#

122 8.2 3.0 4.6#



#30

Benzo(a)anthracene

Concen: 39.25 ng m

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

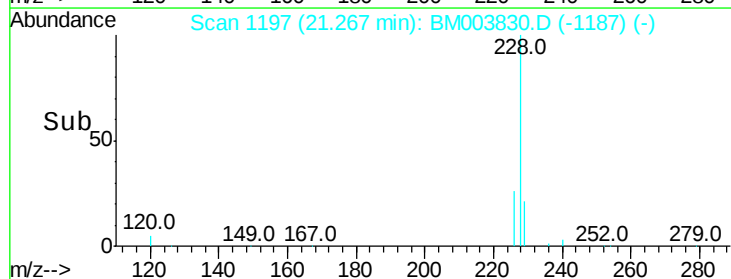
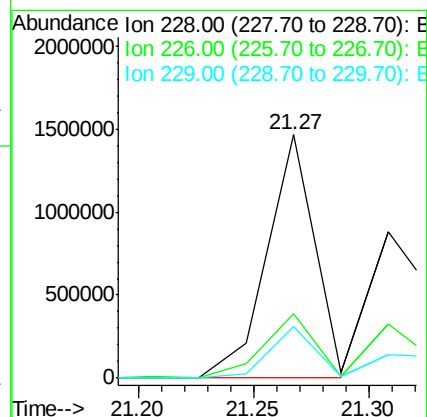
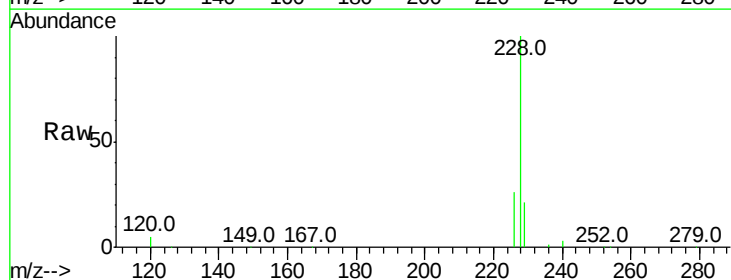
Tgt Ion:228 Resp: 2108073

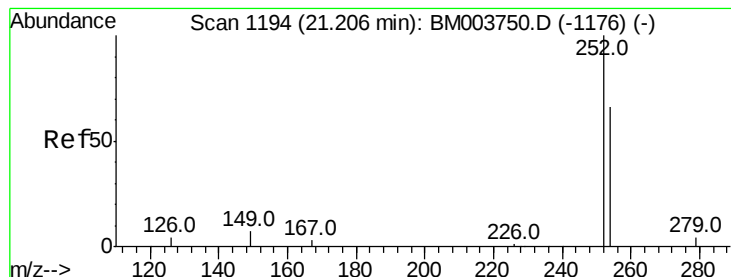
Ion Ratio Lower Upper

228 100

226 26.4 17.2 25.8#

229 21.1 18.7 28.1

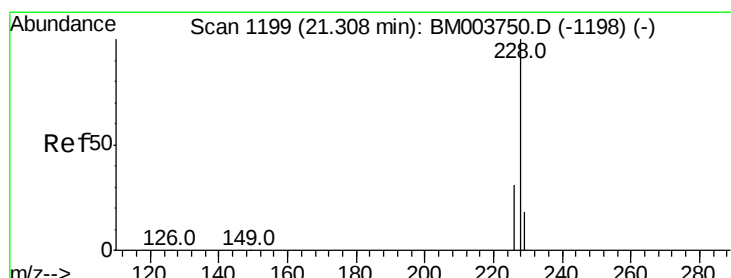
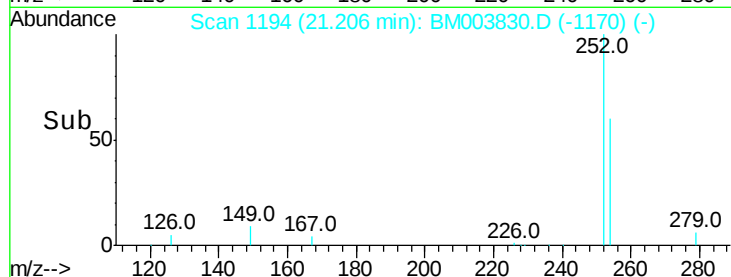
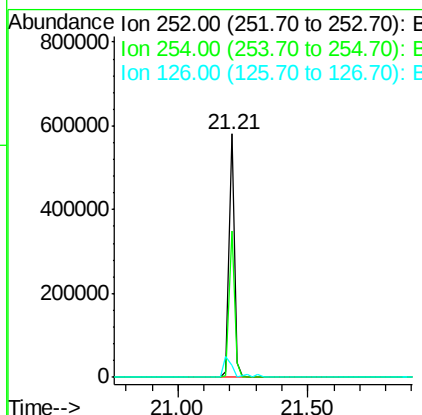
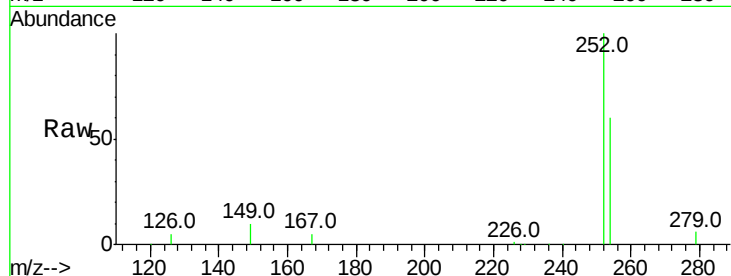




#31  
 3,3'-Dichlorobenzidine  
 Concen: 41.83 ng  
 RT: 21.21 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: BM003830.D  
 Acq: 28 Dec 2015 16:08

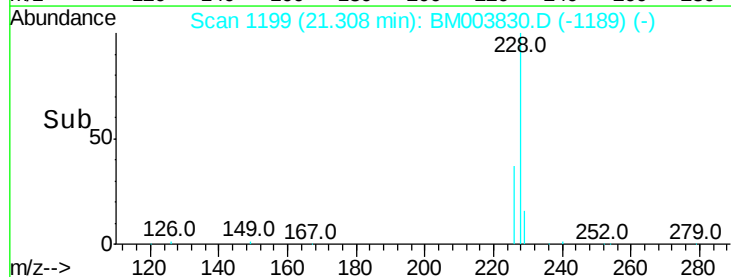
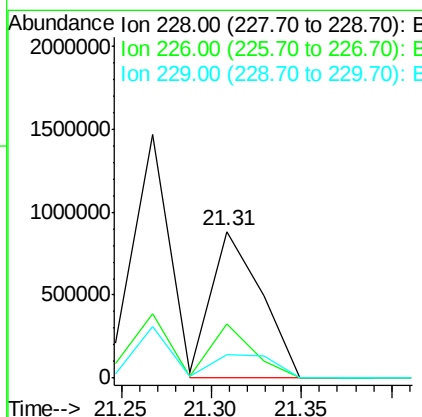
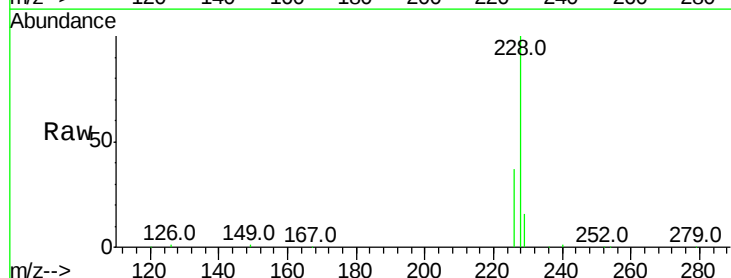
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB87573BS

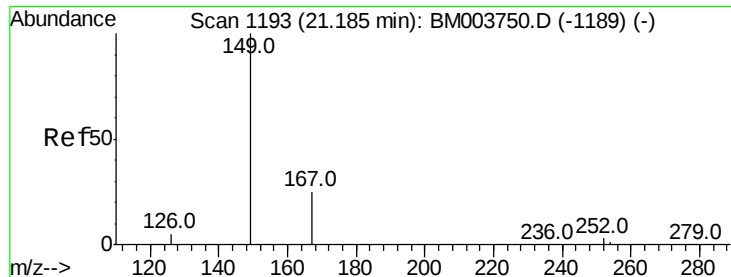
Tot Ion:252 Resp: 786450  
 Ion Ratio Lower Upper  
 252 100  
 254 60.1 52.6 79.0  
 126 4.9 3.7 5.5



#32  
 Chrysene  
 Concen: 35.51 ng m  
 RT: 21.31 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BM003830.D  
 Acq: 28 Dec 2015 16:08

Tgt Ion:228 Resp: 1710239  
 Ion Ratio Lower Upper  
 228 100  
 226 37.3 25.3 37.9  
 229 16.4 14.5 21.7





#33

Bis(2-ethylhexyl)phthalate

Concen: 51.55 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

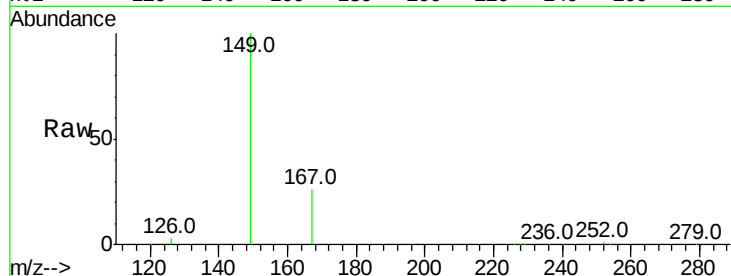
Tot Ion:149 Resp: 2074131

Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

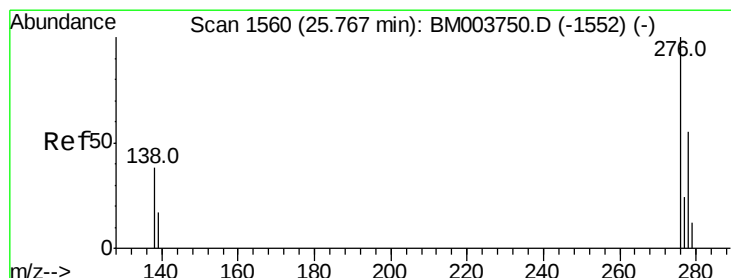
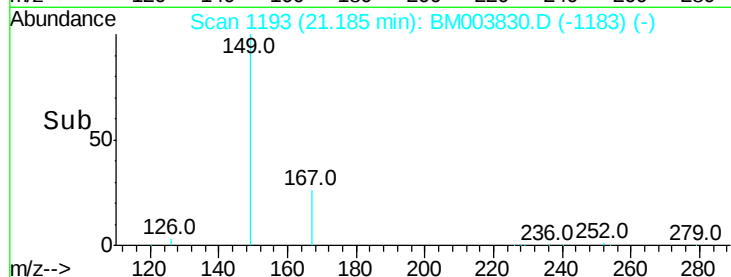
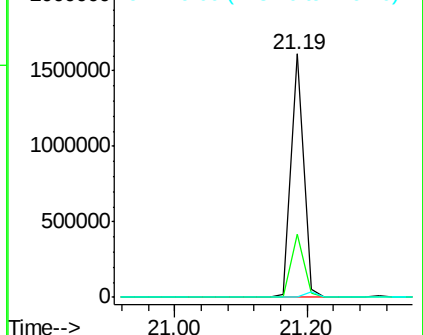
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 50.19 ng

RT: 25.79 min Scan# 1562

Delta R.T. 0.02 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

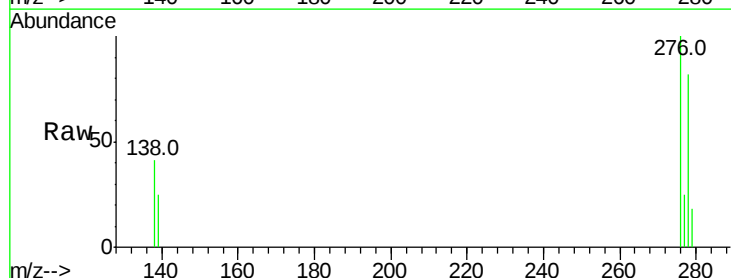
Tgt Ion:276 Resp: 1904430

Ion Ratio Lower Upper

276 100

138 39.3 30.2 45.2

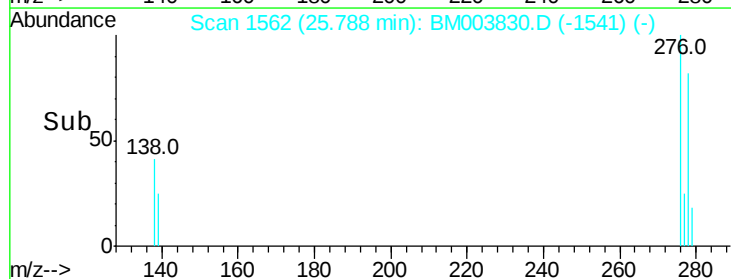
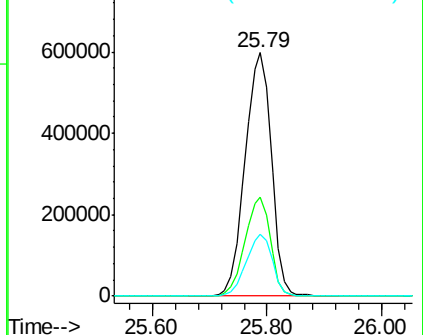
277 25.0 19.8 29.8

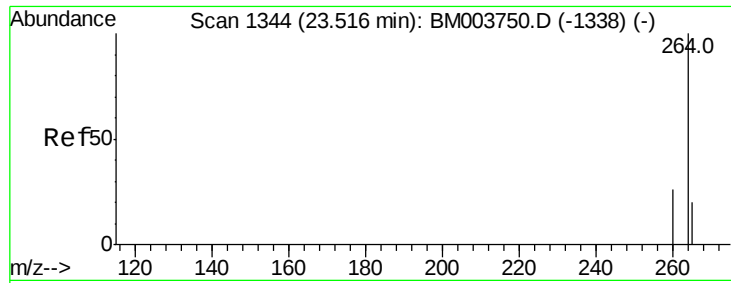


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

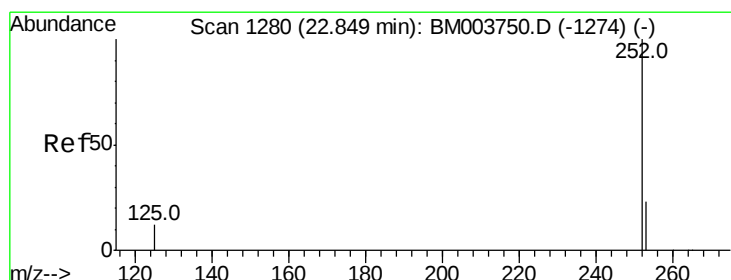
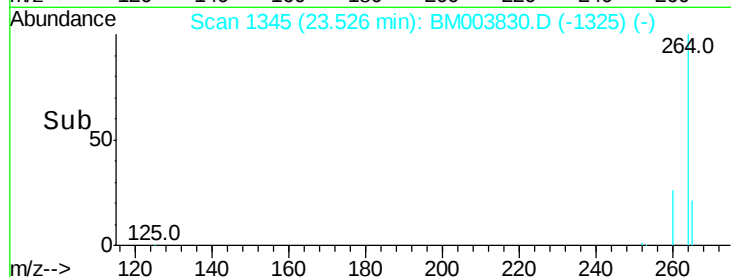
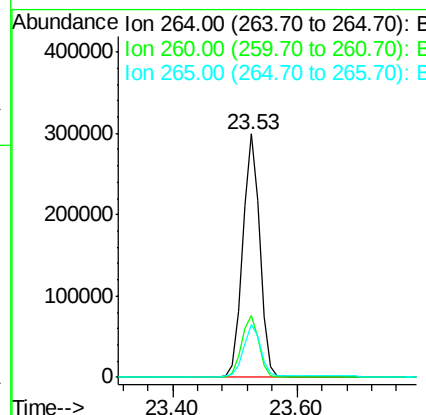
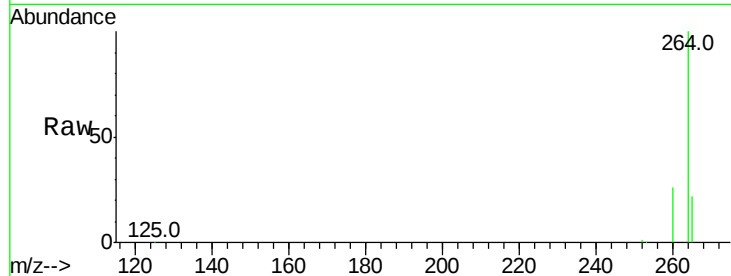




#35  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.53 min Scan# 1345  
Delta R.T. 0.01 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

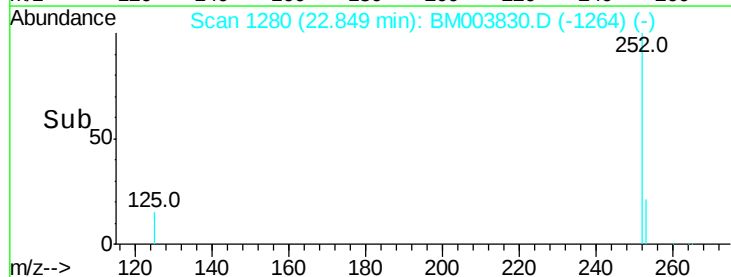
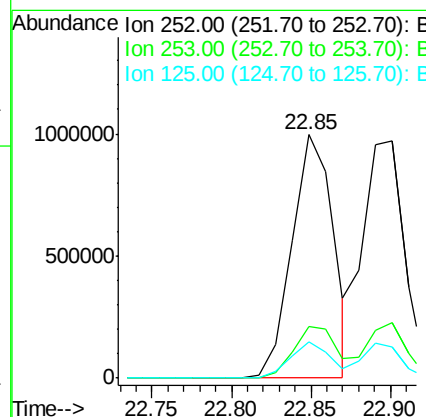
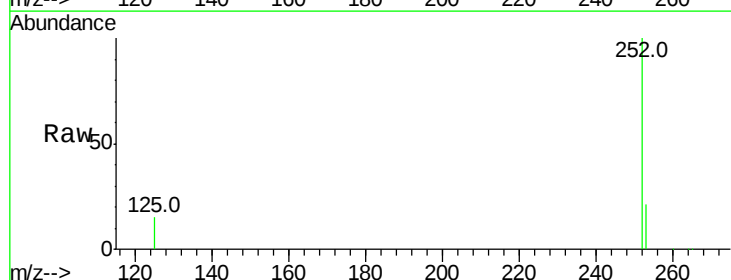
Instrument :  
BNA\_M  
ClientSampleId :  
PB87573BS

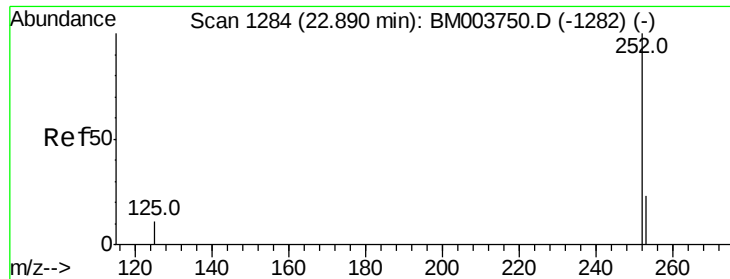
Tot Ion:264 Resp: 574949  
Ion Ratio Lower Upper  
264 100  
260 25.7 21.2 31.8  
265 21.6 16.7 25.1



#36  
Benzo(b)fluoranthene  
Concen: 38.36 ng  
RT: 22.85 min Scan# 1280  
Delta R.T. 0.00 min  
Lab File: BM003830.D  
Acq: 28 Dec 2015 16:08

Tgt Ion:252 Resp: 1801991  
Ion Ratio Lower Upper  
252 100  
253 21.2 18.8 28.2  
125 14.8 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 40.64 ng

RT: 22.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

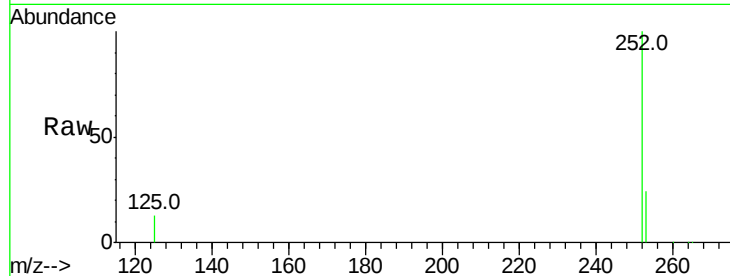
Tot Ion:252 Resp: 1760051

Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

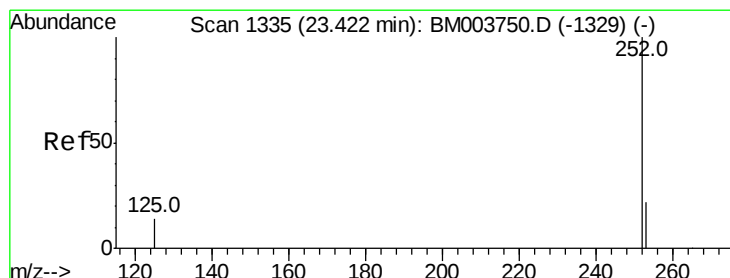
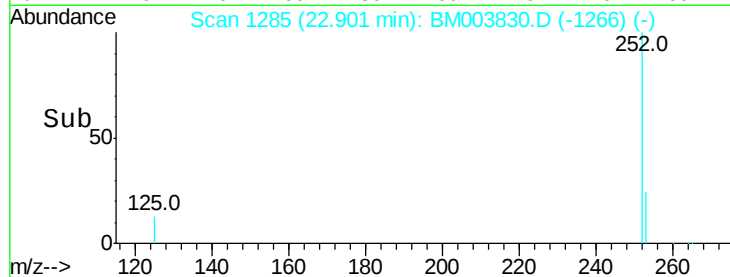
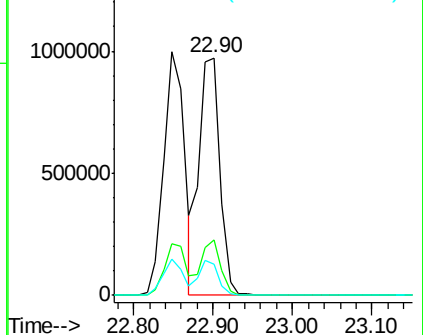
125 12.9 10.6 15.8



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



#38

Benzo(a)pyrene

Concen: 43.75 ng

RT: 23.42 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

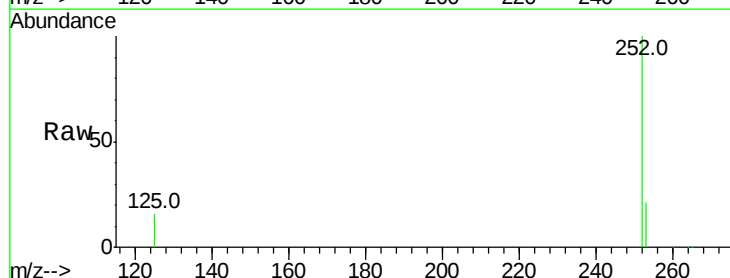
Tgt Ion:252 Resp: 1759871

Ion Ratio Lower Upper

252 100

253 21.2 18.7 28.1

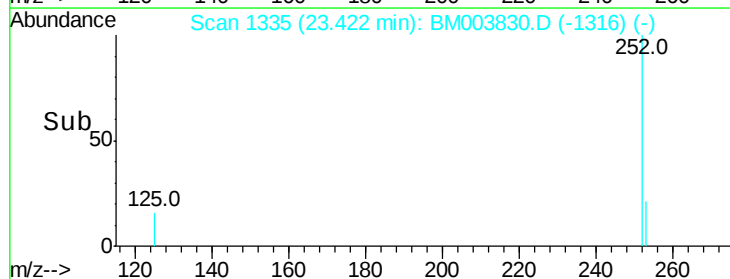
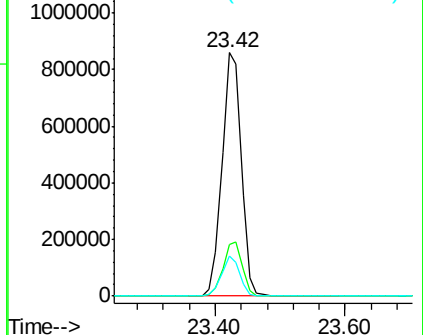
125 16.2 11.8 17.8

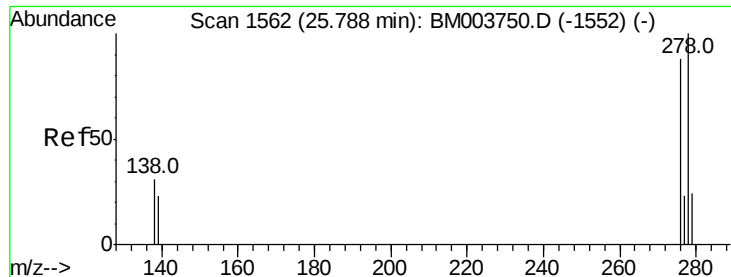


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 48.71 ng

RT: 25.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

Instrument :

BNA\_M

ClientSampleId :

PB87573BS

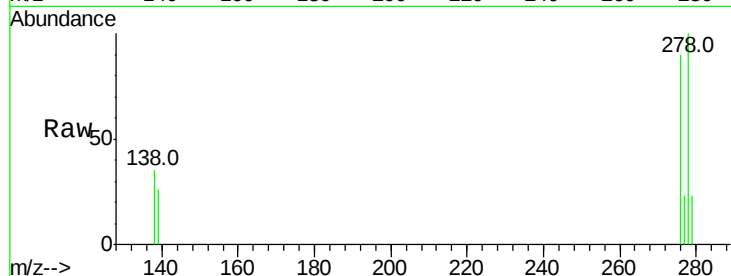
Tot Ion:278 Resp: 1536102

Ion Ratio Lower Upper

278 100

139 26.1 19.0 28.6

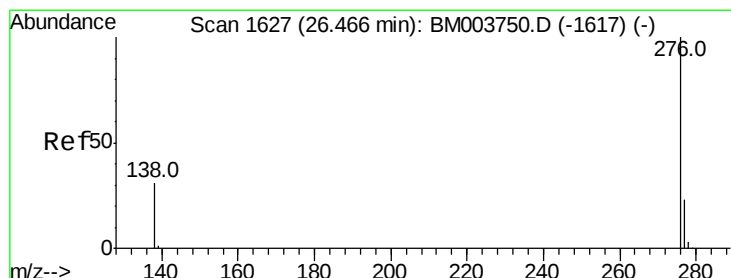
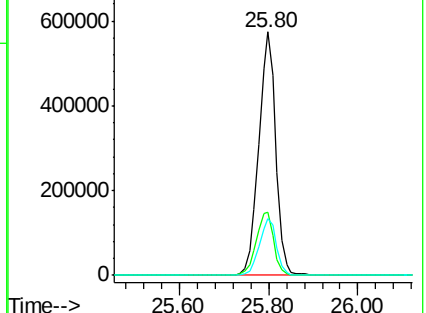
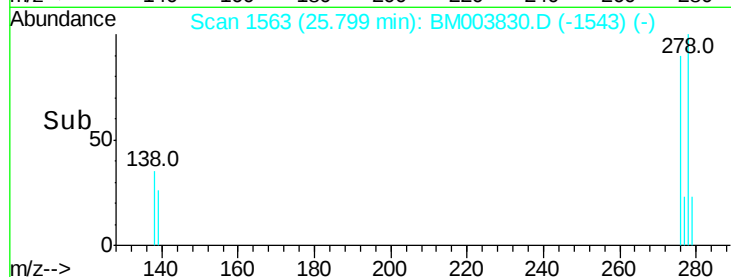
279 23.4 19.6 29.4



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



#40

Benzo(g,h,i)perylene

Concen: 50.71 ng

RT: 26.48 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BM003830.D

Acq: 28 Dec 2015 16:08

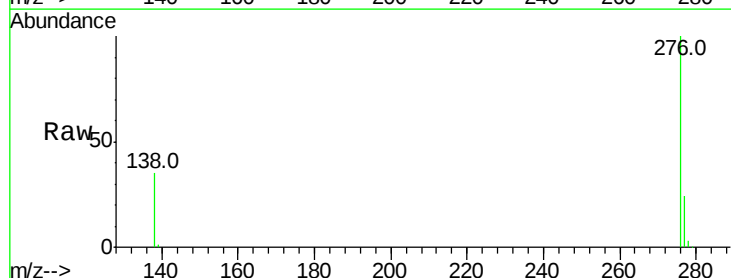
Tgt Ion:276 Resp: 1673825

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 34.9 25.0 37.4



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

