

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\  
 Data File : BM002920.D  
 Acq On : 15 Oct 2015 18:45  
 Operator : UM/IZ  
 Sample : PB86101BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB86101BS

Quant Time: Oct 16 07:00:29 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 16 06:59:27 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.66  | 152  | 95180    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.49 | 136  | 399002   | 5.00 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 15.23 | 164  | 205223   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.95 | 188  | 512732   | 5.00 | ng    | -0.01    |
| 26) Chrysene-d12          | 22.03 | 240  | 416083   | 5.00 | ng    | -0.01    |
| 35) Perylene-d12          | 24.61 | 264  | 369443   | 5.00 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 6.12  | 112 | 134854 | 7.58 | ng | -0.03 |
| 5) Phenol-d6                | 7.77  | 99  | 183472 | 8.08 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 9.85  | 82  | 75142  | 3.93 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 16.71 | 330 | 61446  | 7.66 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.87 | 172 | 260311 | 3.96 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.48 | 244 | 248358 | 3.99 | ng | -0.01 |

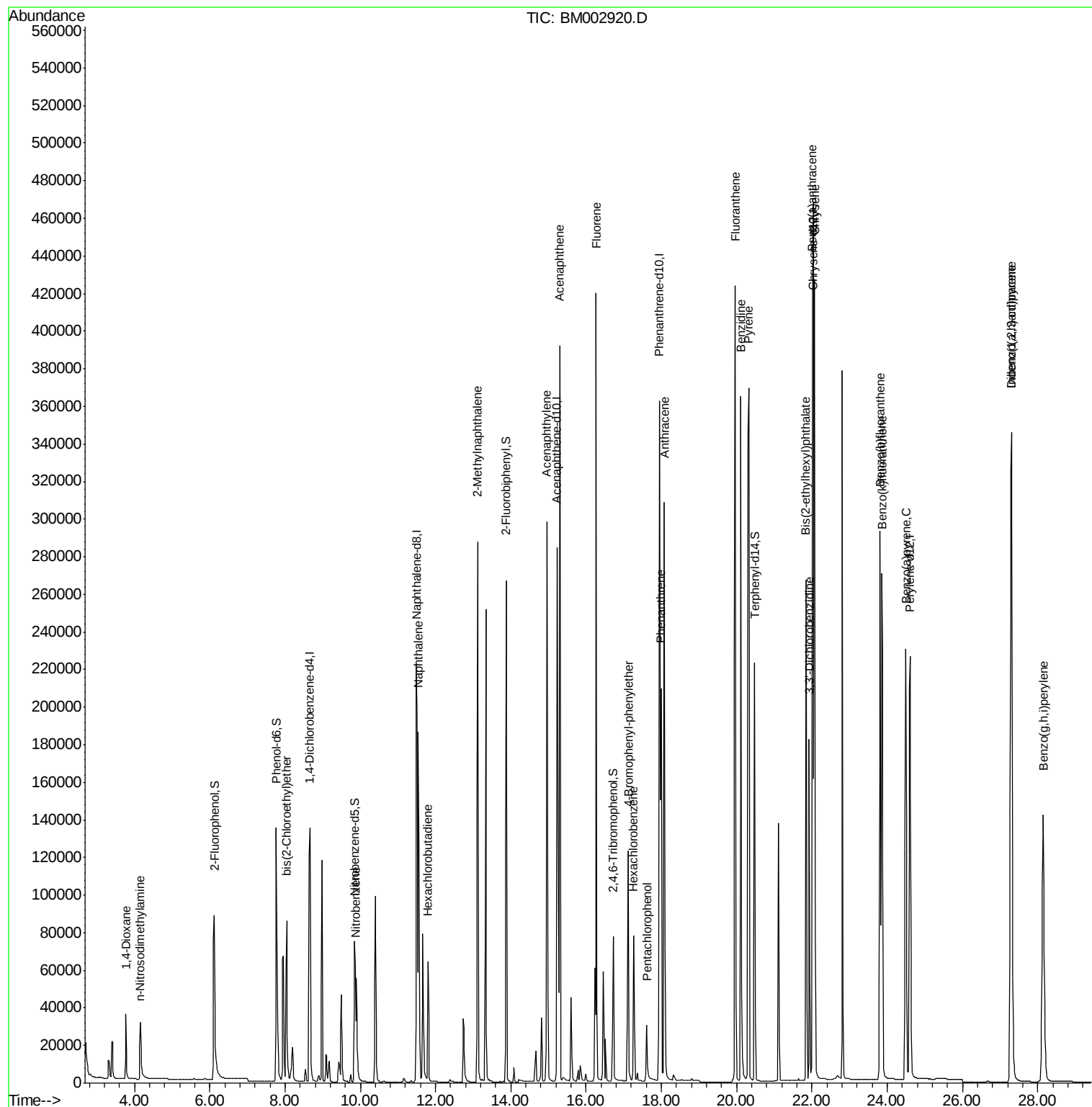
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.77  | 88  | 28970  | 3.34   | ng | 98    |
| 3) n-Nitrosodimethylamine      | 4.14  | 42  | 26820  | 3.97   | ng | # 97  |
| 6) bis(2-Chloroethyl)ether     | 8.04  | 93  | 83031  | 3.83   | ng | 95    |
| 9) Nitrobenzene                | 9.89  | 77  | 79957  | 3.95   | ng | 99    |
| 10) Naphthalene                | 11.54 | 128 | 313060 | 3.53   | ng | 96    |
| 11) Hexachlorobutadiene        | 11.80 | 225 | 49673  | 3.48   | ng | 100   |
| 12) 2-Methylnaphthalene        | 13.11 | 142 | 221714 | 3.71   | ng | 96    |
| 16) Acenaphthylene             | 14.96 | 152 | 369972 | 4.12   | ng | 100   |
| 17) Acenaphthene               | 15.29 | 154 | 220594 | 3.59   | ng | # 100 |
| 18) Fluorene                   | 16.27 | 166 | 291682 | 3.98   | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 17.13 | 248 | 81741  | 3.84   | ng | # 53  |
| 21) Hexachlorobenzene          | 17.26 | 284 | 80609  | 4.00   | ng | # 77  |
| 22) Pentachlorophenol          | 17.61 | 266 | 30116  | 12.53  | ng | 91    |
| 23) Phenanthrene               | 18.00 | 178 | 399103 | 3.34   | ng | 100   |
| 24) Anthracene                 | 18.07 | 178 | 440862 | 3.87   | ng | 97    |
| 25) Fluoranthene               | 19.96 | 202 | 476827 | 3.61   | ng | 99    |
| 27) Benzidine                  | 20.12 | 184 | 490284 | 7.97   | ng | 98    |
| 28) Pyrene                     | 20.32 | 202 | 502269 | 4.09   | ng | 99    |
| 30) Benzo(a)anthracene         | 22.01 | 228 | 467715 | 3.89   | ng | # 90  |
| 31) 3,3'-Dichlorobenzidine     | 21.93 | 252 | 174579 | 4.29   | ng | # 87  |
| 32) Chrysene                   | 22.07 | 228 | 413380 | 3.68   | ng | 92    |
| 33) Bis(2-ethylhexyl)phthalate | 21.85 | 149 | 295687 | 3.29   | ng | # 93  |
| 34) Indeno(1,2,3-cd)pyrene     | 27.30 | 276 | 425004 | 3.67   | ng | 100   |
| 36) Benzo(b)fluoranthene       | 23.81 | 252 | 439555 | 4.15   | ng | 98    |
| 37) Benzo(k)fluoranthene       | 23.86 | 252 | 391532 | 3.77   | ng | 98    |
| 38) Benzo(a)pyrene             | 24.49 | 252 | 387253 | 4.13   | ng | 98    |
| 39) Dibenzo(a,h)anthracene     | 27.30 | 278 | 344303 | 3.84   | ng | 98    |
| 40) Benzo(g,h,i)perylene       | 28.14 | 276 | 354829 | 3.78   | ng | 99    |

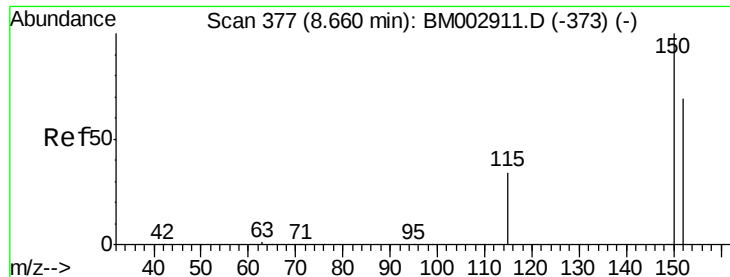
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. 0.00 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

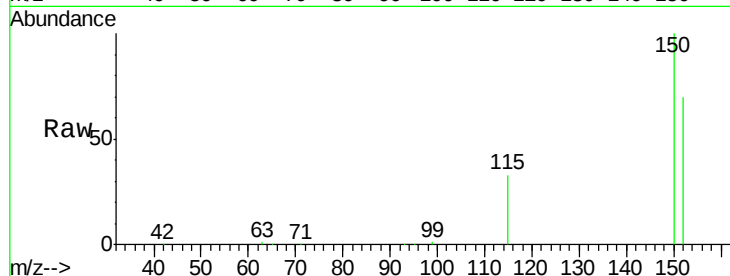
Tot Ion:152 Resp: 95180

Ion Ratio Lower Upper

152 100

150 141.9 113.0 169.6

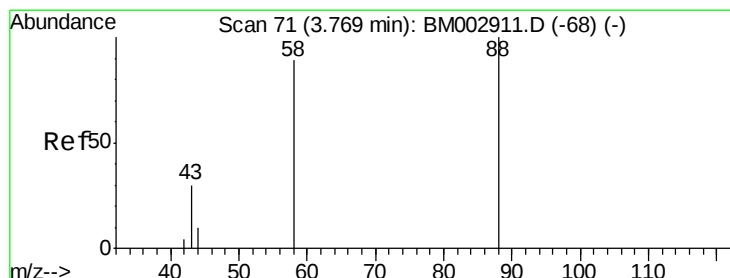
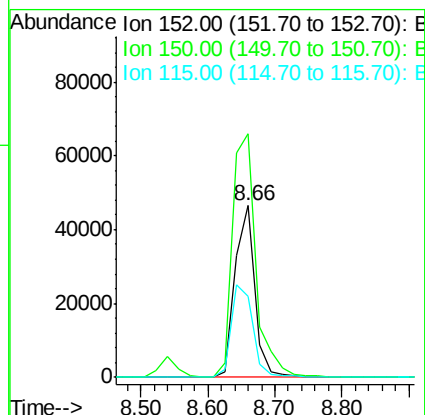
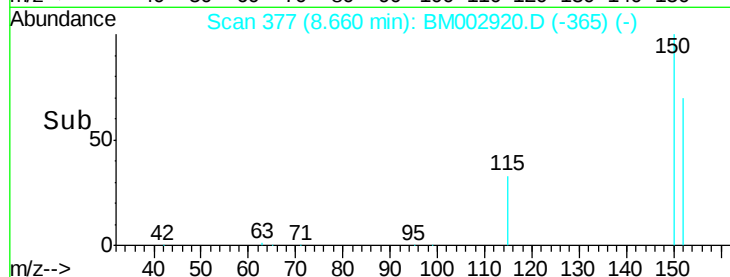
115 47.1 37.9 56.9



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: 3.34 ng

RT: 3.77 min Scan# 71

Delta R.T. 0.00 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

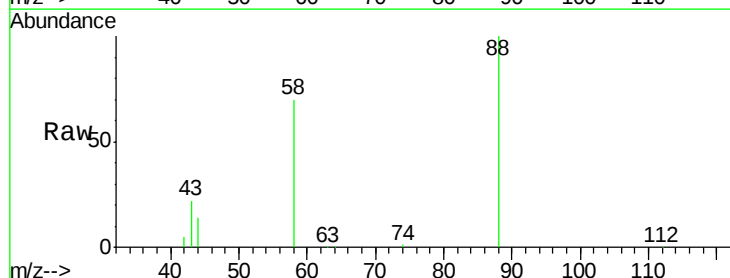
Tgt Ion: 88 Resp: 28970

Ion Ratio Lower Upper

88 100

58 70.7 56.7 85.1

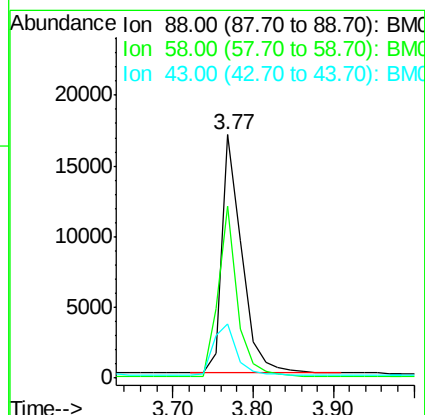
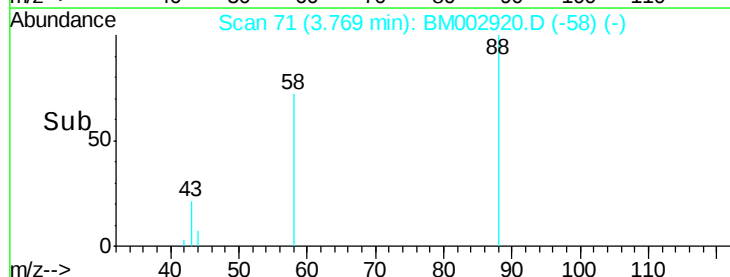
43 24.9 22.0 33.0

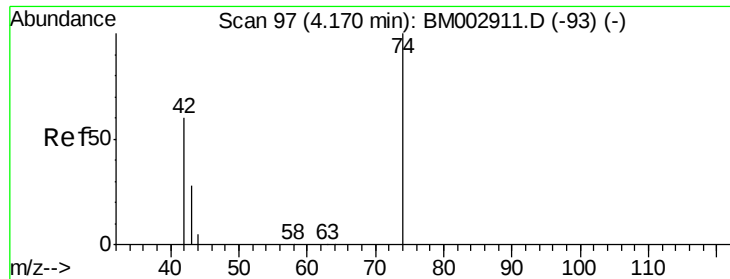


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.97 ng

RT: 4.14 min Scan# 95

Delta R.T. -0.03 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

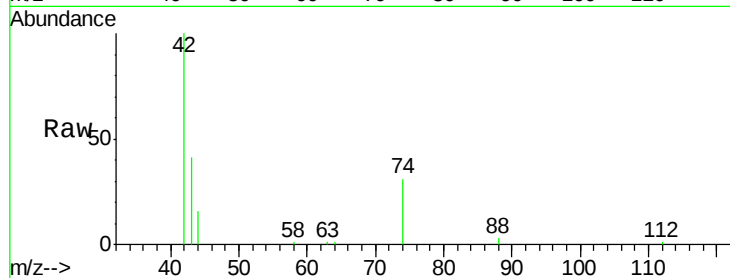
Tot Ion: 42 Resp: 26820

Ion Ratio Lower Upper

42 100

74 146.1 119.7 179.5

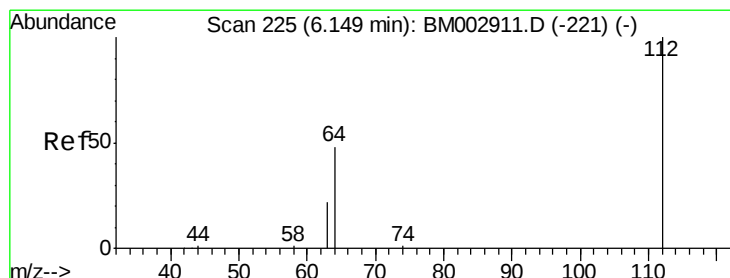
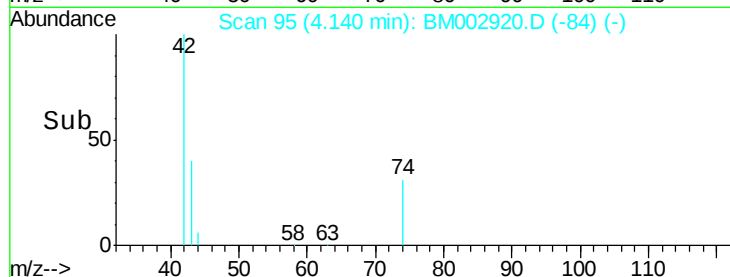
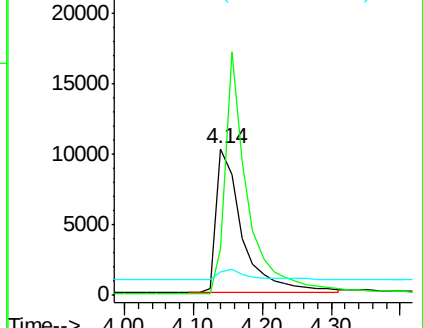
44 7.9 9.8 14.6#



Abundance Ion 42.00 (41.70 to 42.70): BM002911.D (-93) (-)

Ion 74.00 (73.70 to 74.70): BM002911.D (-93) (-)

Ion 44.00 (43.70 to 44.70): BM002911.D (-93) (-)



#4

2-Fluorophenol

Concen: 7.58 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

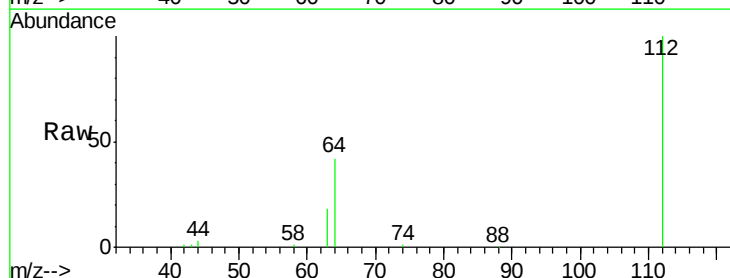
Tgt Ion: 112 Resp: 134854

Ion Ratio Lower Upper

112 100

64 51.6 42.0 63.0

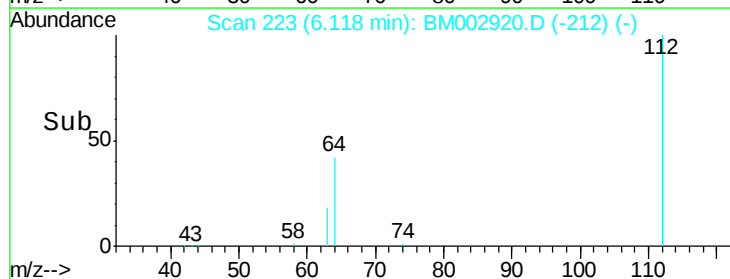
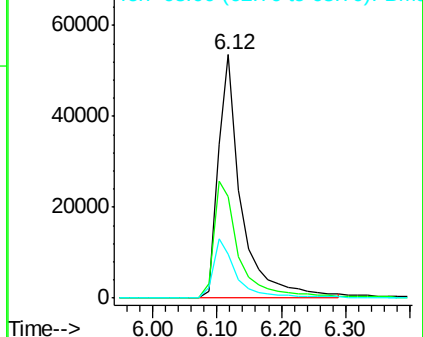
63 24.5 20.0 30.0

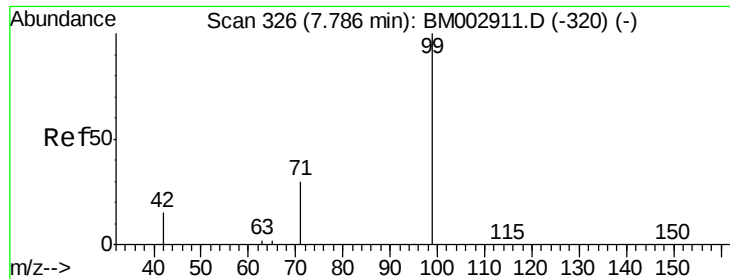


Abundance Ion 112.00 (111.70 to 112.70): BM002911.D (-221) (-)

Ion 64.00 (63.70 to 64.70): BM002911.D (-221) (-)

Ion 63.00 (62.70 to 63.70): BM002911.D (-221) (-)





#5

Phenol-d6

Concen: 8.08 ng

RT: 7.77 min Scan# 325

Delta R.T. -0.03 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

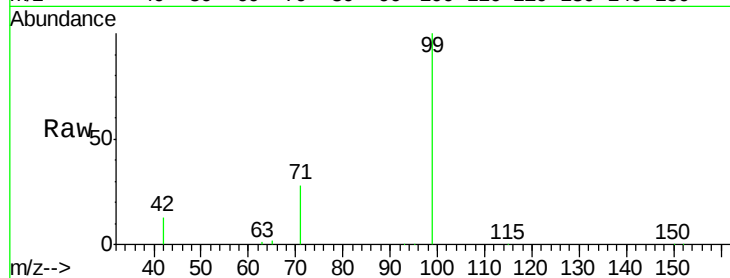
Tot Ion: 99 Resp: 183472

Ion Ratio Lower Upper

99 100

42 15.1 12.4 18.6

71 26.4 21.4 32.0

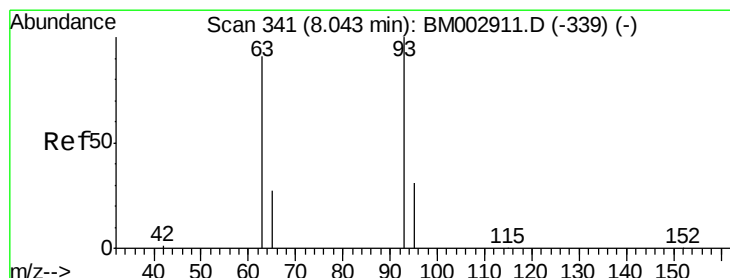
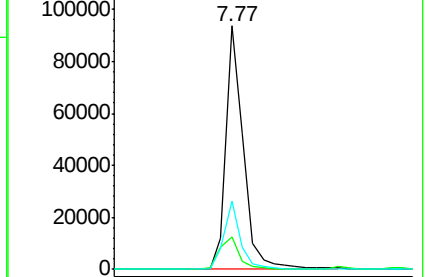
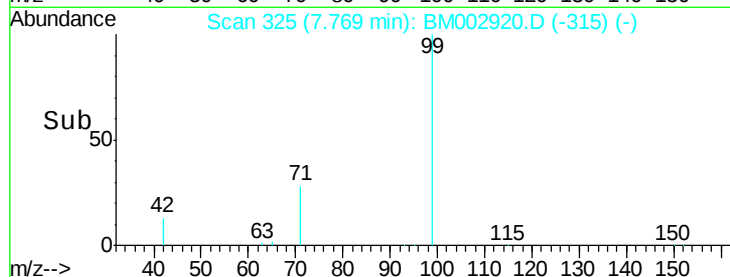


Abundance Ion 99.00 (98.70 to 99.70): BM002920.D (-326) (-)

Ion 42.00 (41.70 to 42.70): BM002920.D (-326) (-)

Ion 71.00 (70.70 to 71.70): BM002920.D (-326) (-)

7.77



#6

bis(2-Chloroethyl)ether

Concen: 3.83 ng

RT: 8.04 min Scan# 341

Delta R.T. -0.02 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

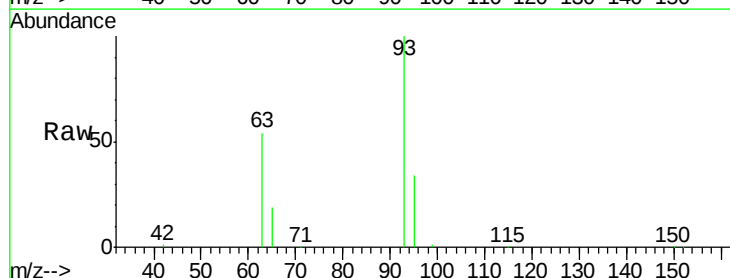
Tgt Ion: 93 Resp: 83031

Ion Ratio Lower Upper

93 100

63 70.9 52.9 79.3

95 32.6 25.2 37.8

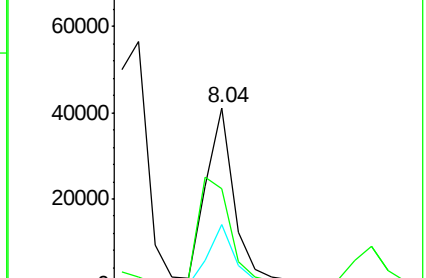
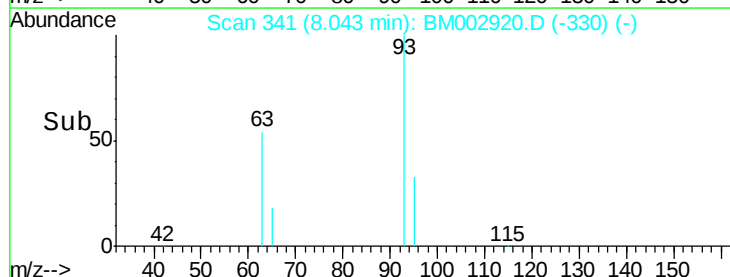


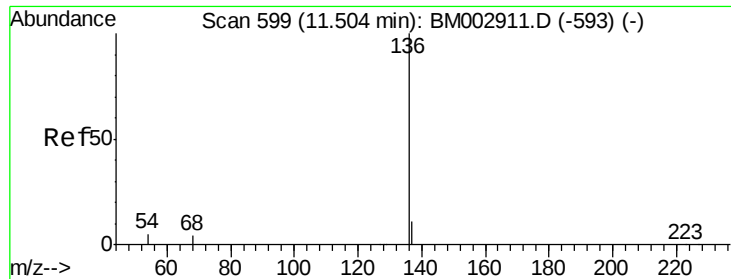
Abundance Ion 93.00 (92.70 to 93.70): BM002920.D (-346) (-)

Ion 63.00 (62.70 to 63.70): BM002920.D (-346) (-)

Ion 95.00 (94.70 to 95.70): BM002920.D (-346) (-)

8.04





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.49 min Scan# 599

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

Tot Ion:136 Resp: 399002

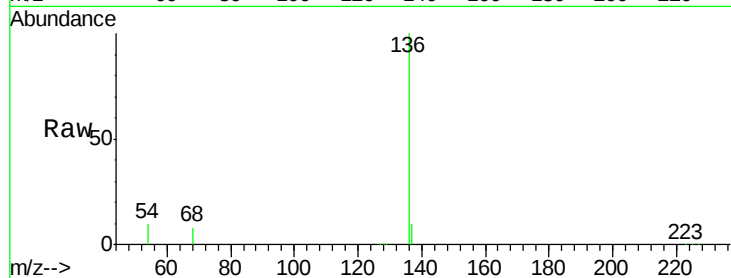
Ion Ratio Lower Upper

136 100

137 10.1 9.1 13.7

54 9.7 3.5 5.3#

68 8.0 3.3 4.9#

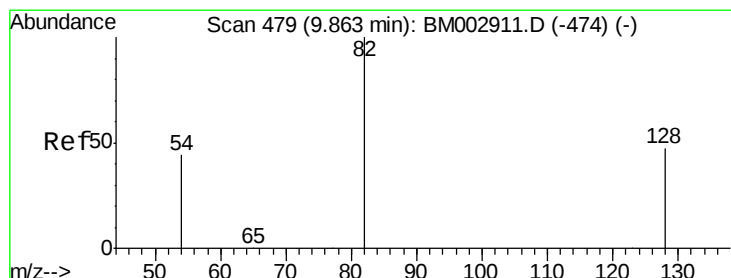
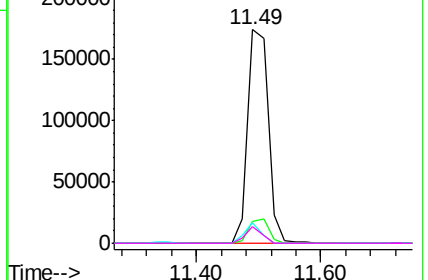
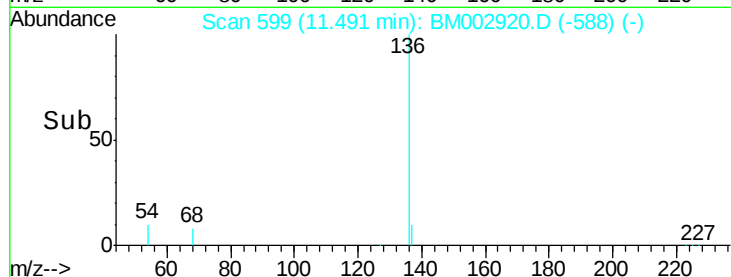


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 3.93 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.02 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

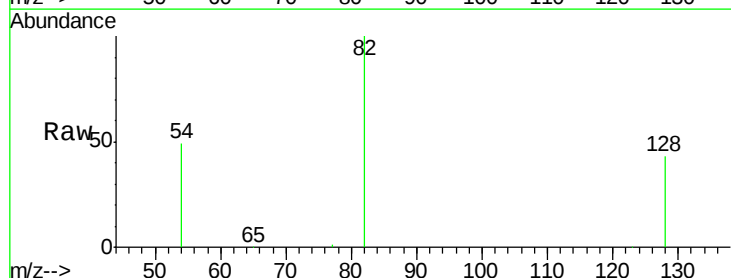
Tgt Ion: 82 Resp: 75142

Ion Ratio Lower Upper

82 100

128 43.5 34.1 51.1

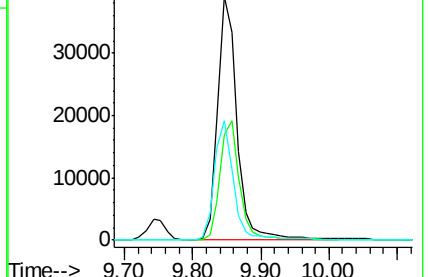
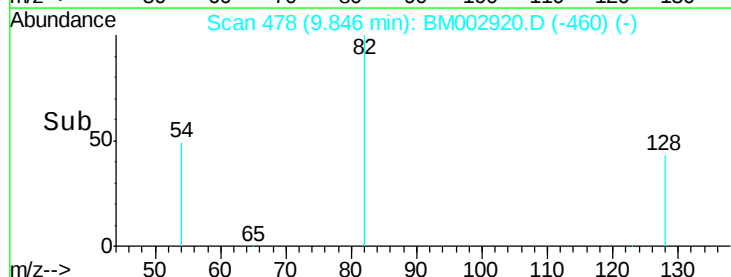
54 49.0 42.6 63.8

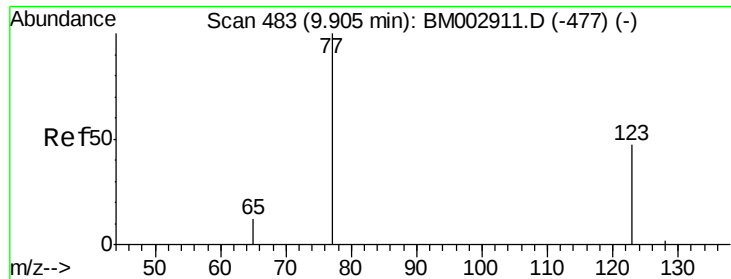


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

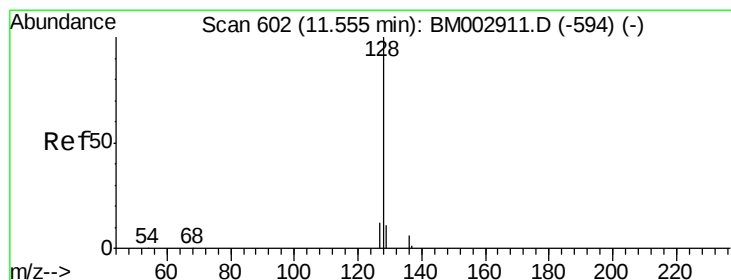
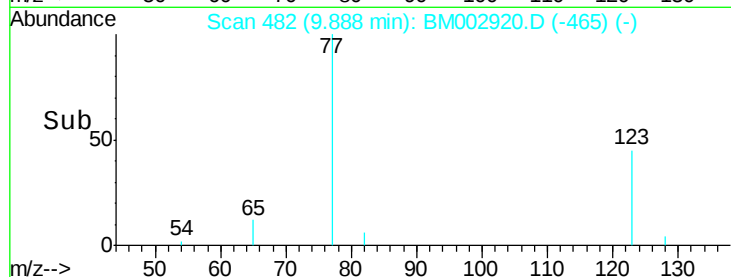
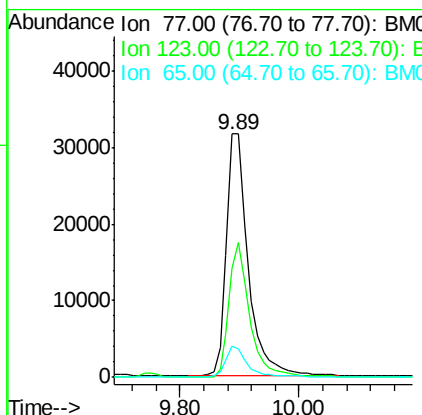
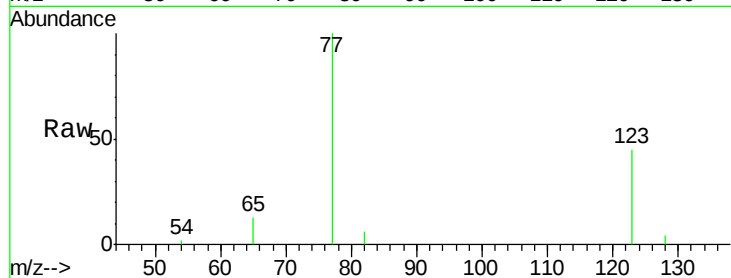




#9  
Nitrobenzene  
Concen: 3.95 ng  
RT: 9.89 min Scan# 482  
Delta R.T. -0.03 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

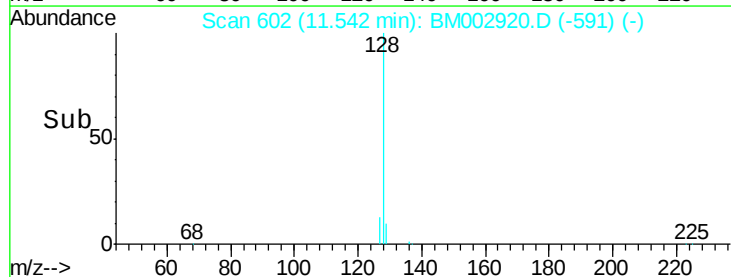
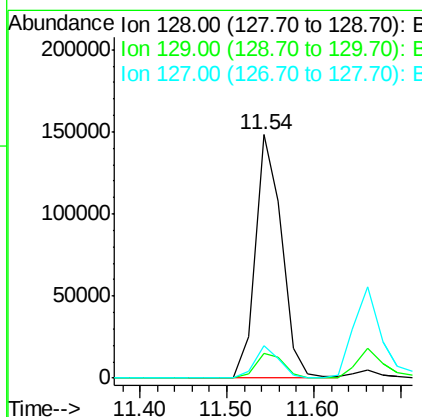
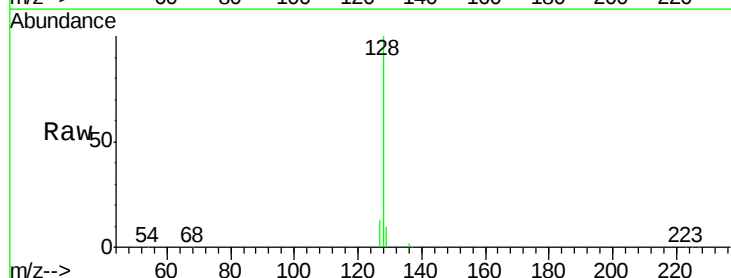
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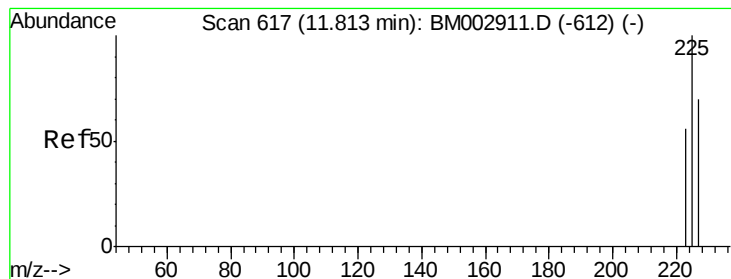
Tot Ion: 77 Resp: 79957  
Ion Ratio Lower Upper  
77 100  
123 52.1 41.0 61.4  
65 12.1 9.7 14.5



#10  
Naphthalene  
Concen: 3.53 ng  
RT: 11.54 min Scan# 602  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

Tgt Ion: 128 Resp: 313060  
Ion Ratio Lower Upper  
128 100  
129 10.4 9.4 14.2  
127 13.4 9.6 14.4





#11

Hexachlorobutadiene

Concen: 3.48 ng

RT: 11.80 min Scan# 617

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

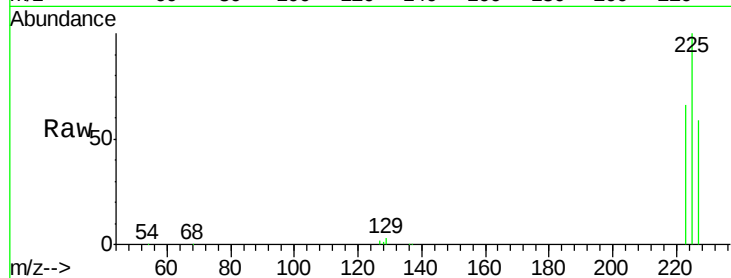
Tot Ion:225 Resp: 49673

Ion Ratio Lower Upper

225 100

223 62.8 50.1 75.1

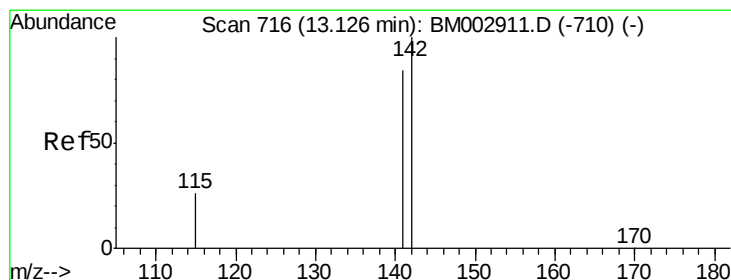
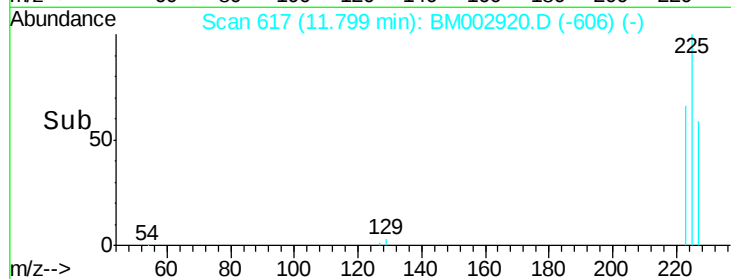
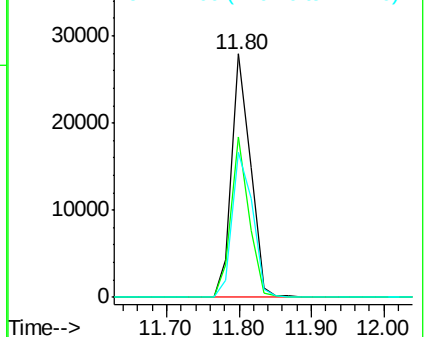
227 64.1 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 3.71 ng

RT: 13.11 min Scan# 716

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

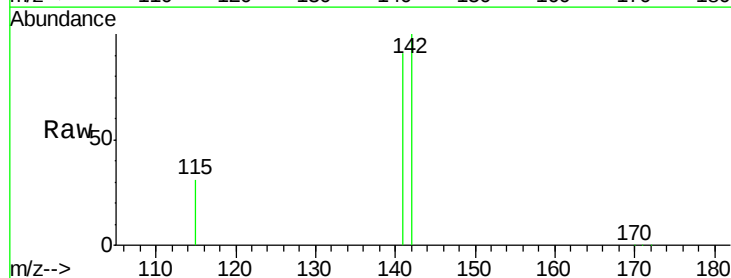
Tgt Ion:142 Resp: 221714

Ion Ratio Lower Upper

142 100

141 90.6 69.4 104.0

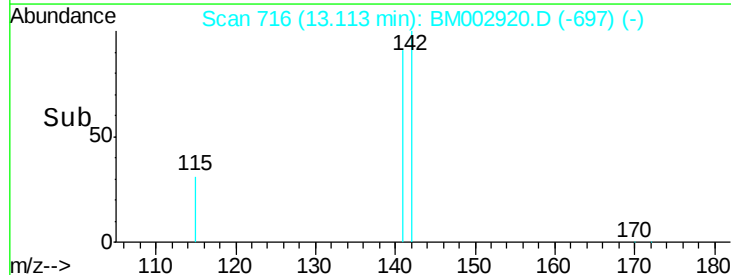
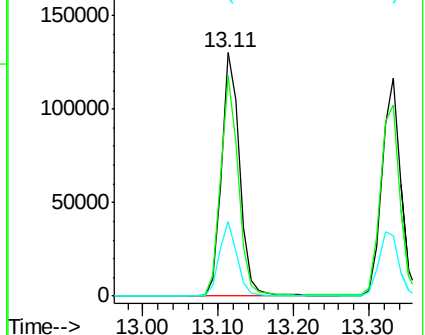
115 30.6 22.7 34.1

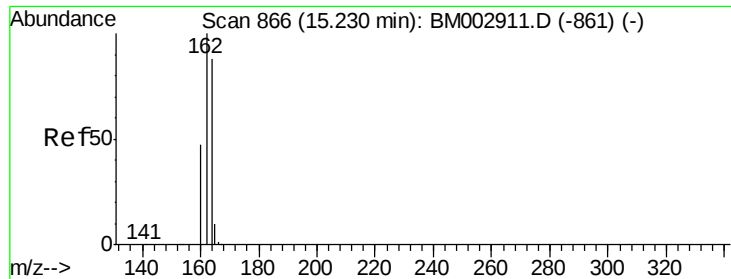


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 867

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

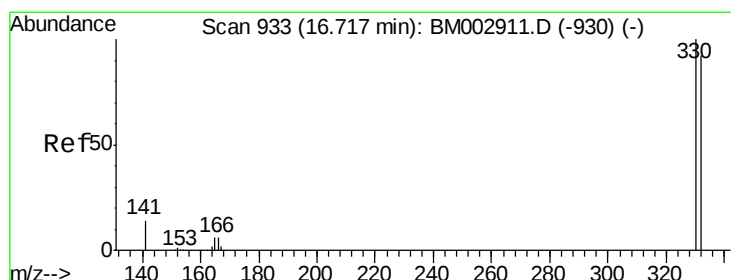
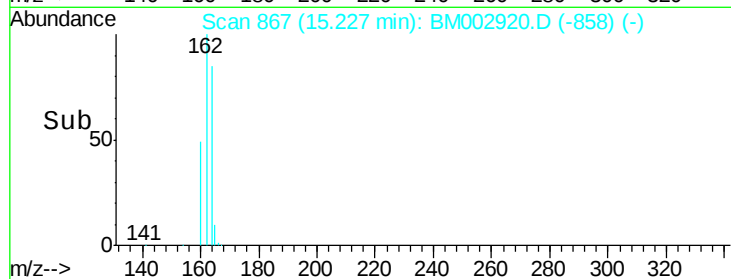
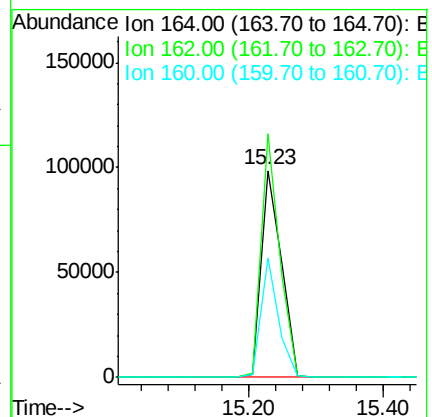
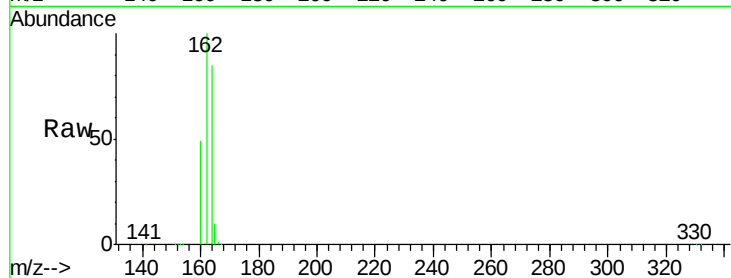
Tot Ion:164 Resp: 205223

Ion Ratio Lower Upper

164 100

162 117.9 79.6 119.4

160 57.9 33.1 49.7#



#14

2,4,6-Tribromophenol

Concen: 7.66 ng

RT: 16.71 min Scan# 934

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

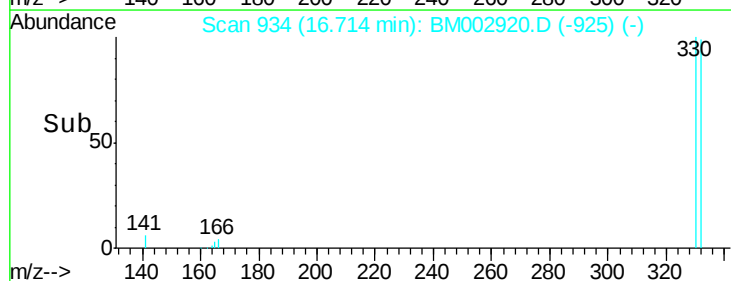
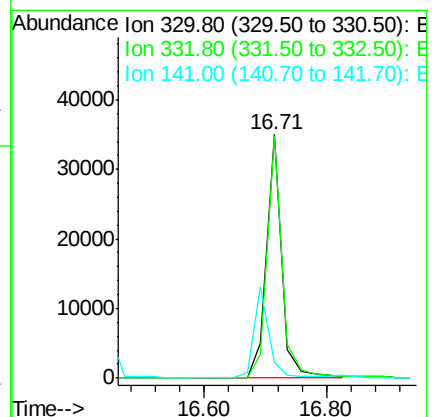
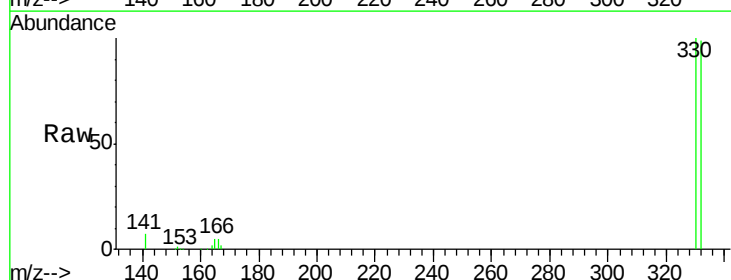
Tgt Ion:330 Resp: 61446

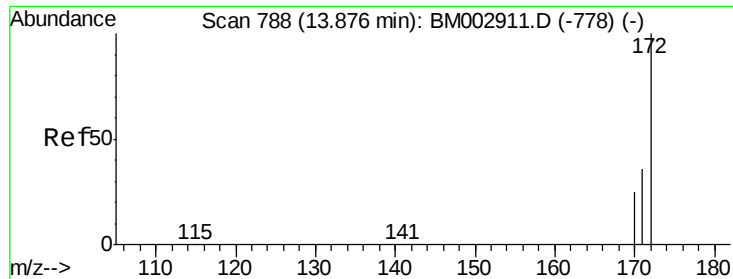
Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

141 0.0 0.0 0.0

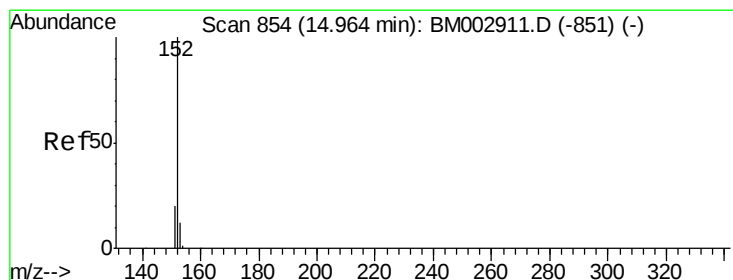
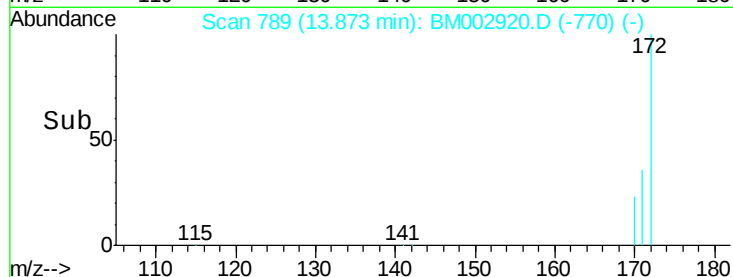
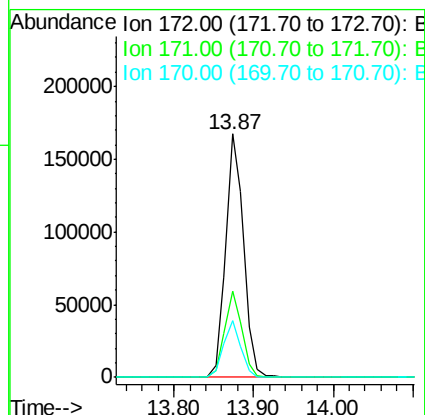
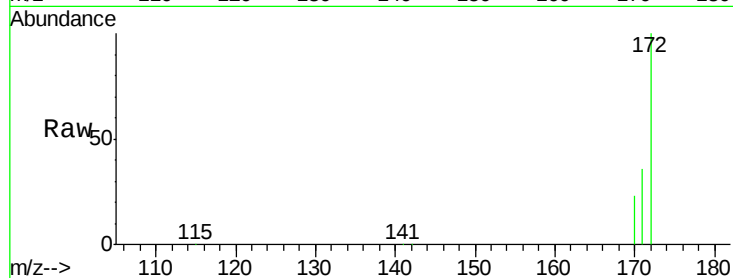




#15  
2-Fluorobiphenyl  
Concen: 3.96 ng  
RT: 13.87 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

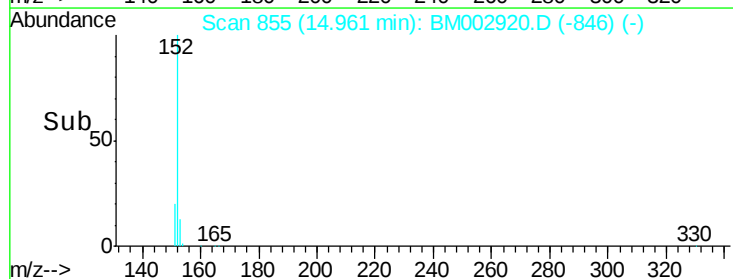
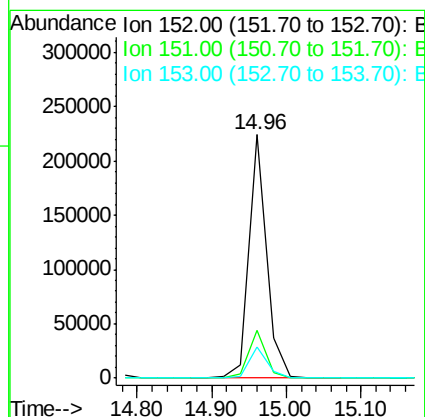
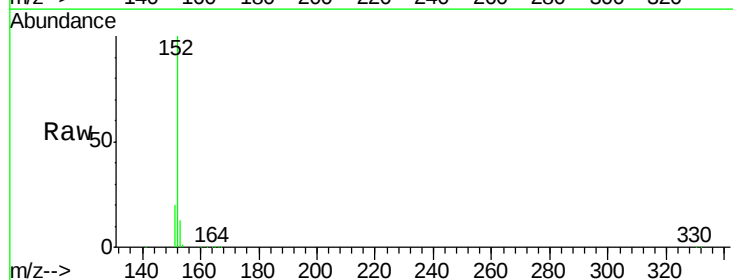
Instrument :  
BNA\_M  
ClientSampleId :  
PB86101BS

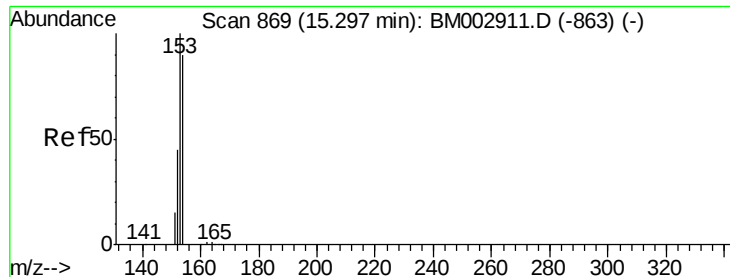
Tot Ion:172 Resp: 260311  
Ion Ratio Lower Upper  
172 100  
171 35.6 26.1 39.1  
170 23.4 15.7 23.5



#16  
Acenaphthylene  
Concen: 4.12 ng  
RT: 14.96 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

Tgt Ion:152 Resp: 369972  
Ion Ratio Lower Upper  
152 100  
151 19.1 15.3 22.9  
153 12.9 10.5 15.7

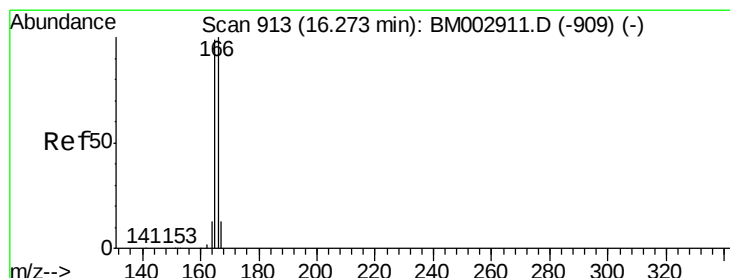
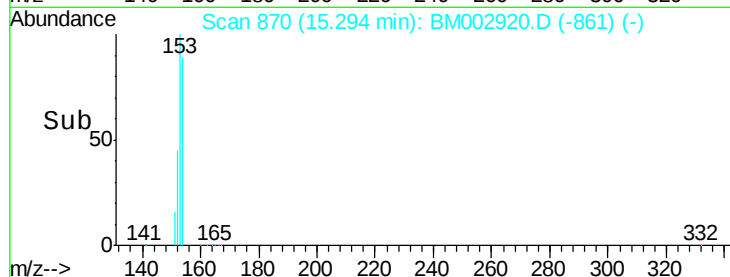
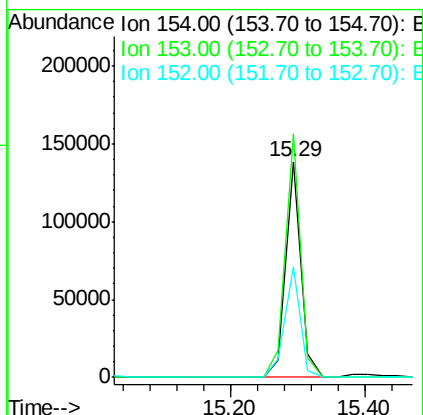
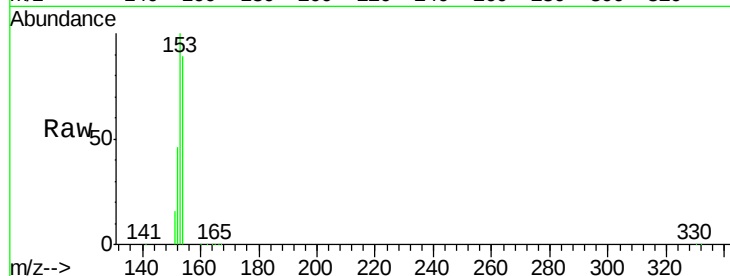




#17  
Acenaphthene  
Concen: 3.59 ng  
RT: 15.29 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

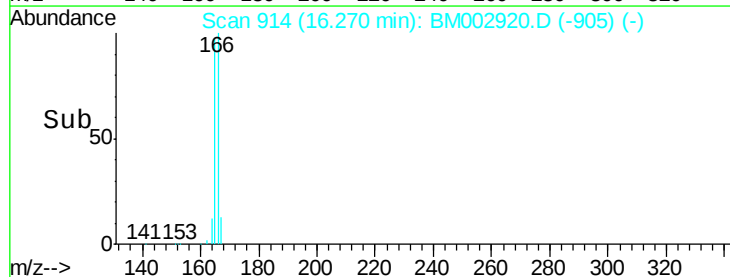
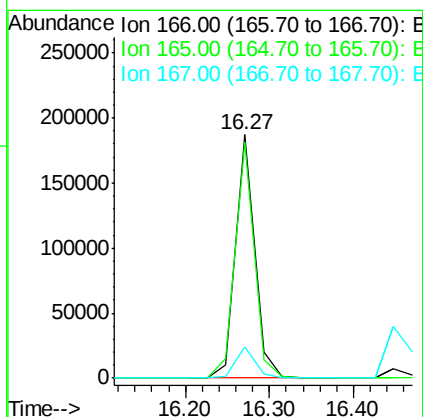
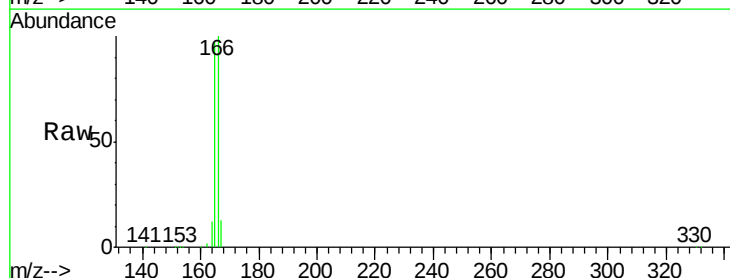
Instrument :  
BNA\_M  
ClientSampleId :  
PB86101BS

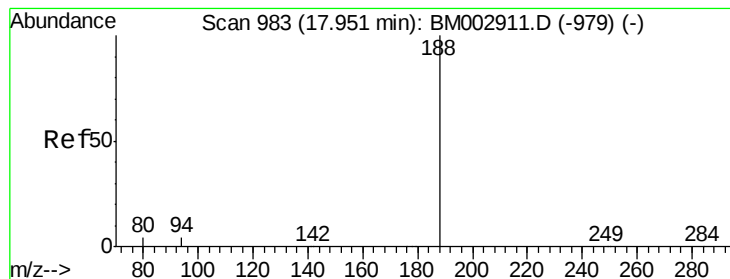
Tot Ion:154 Resp: 220594  
Ion Ratio Lower Upper  
154 100  
153 112.7 0.0 0.0#  
152 52.5 0.0 0.0#



#18  
Fluorene  
Concen: 3.98 ng  
RT: 16.27 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

Tgt Ion:166 Resp: 291682  
Ion Ratio Lower Upper  
166 100  
165 96.8 77.3 115.9  
167 13.4 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

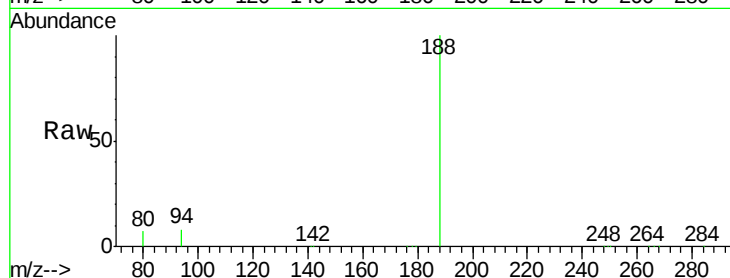
Tot Ion:188 Resp: 512732

Ion Ratio Lower Upper

188 100

94 7.6 15.2 22.8#

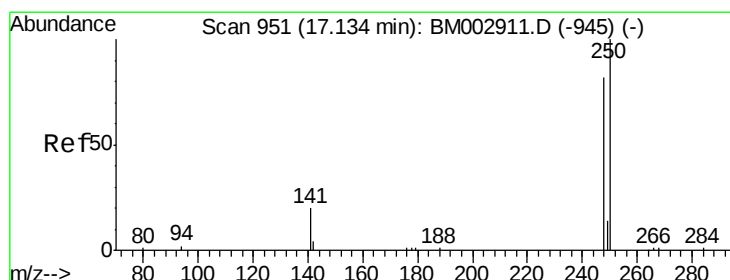
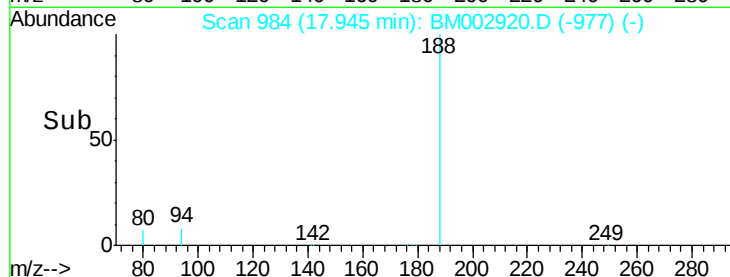
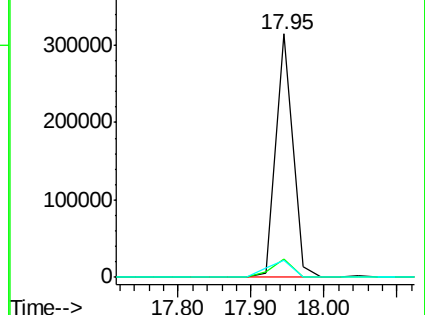
80 6.9 15.9 23.9#



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



#20

4-Bromophenyl-phenylether

Concen: 3.84 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

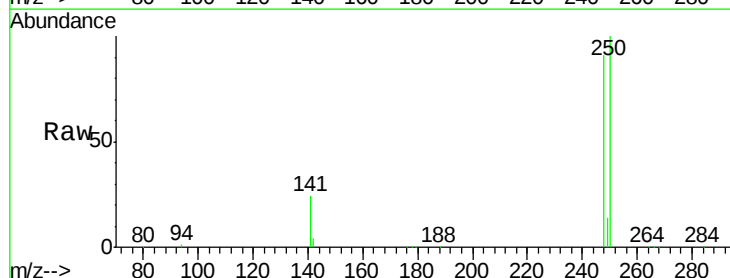
Tgt Ion:248 Resp: 81741

Ion Ratio Lower Upper

248 100

250 106.3 71.4 107.2

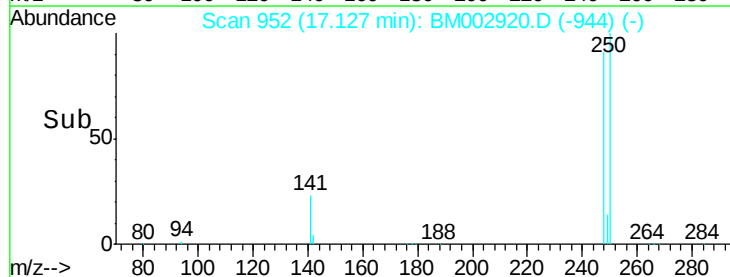
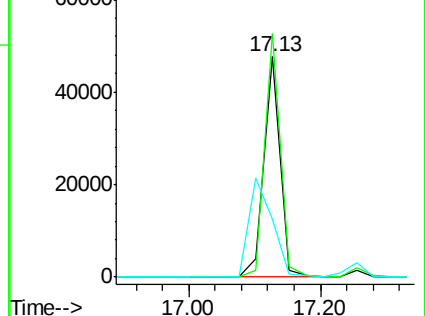
141 0.0 54.6 82.0#

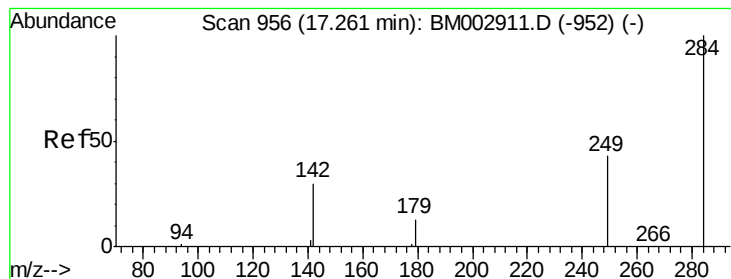


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 4.00 ng

RT: 17.26 min Scan# 957

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

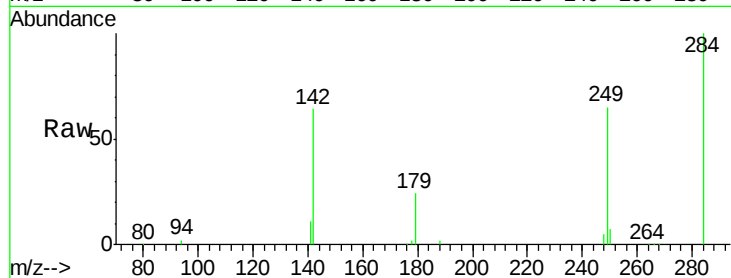
Tot Ion:284 Resp: 80609

Ion Ratio Lower Upper

284 100

142 39.2 0.0 0.0#

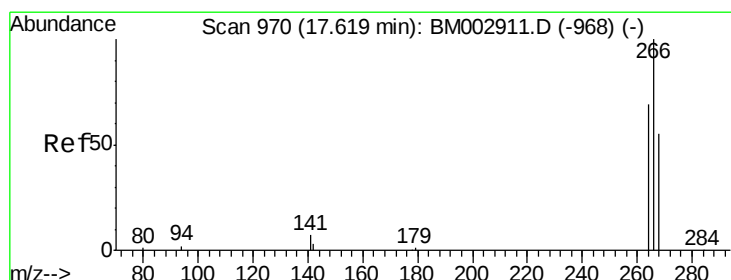
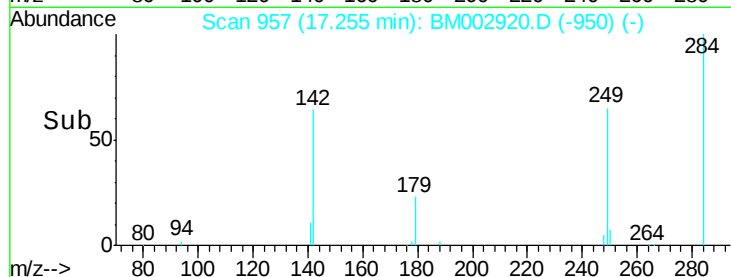
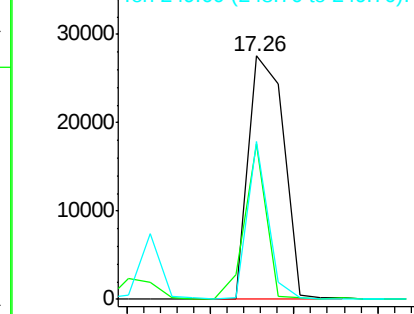
249 37.5 20.7 31.1#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 12.53 ng

RT: 17.61 min Scan# 971

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

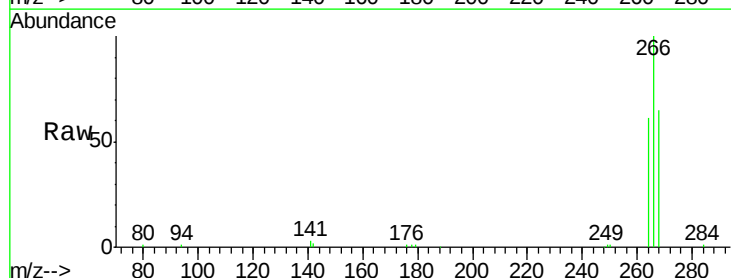
Tgt Ion:266 Resp: 30116

Ion Ratio Lower Upper

266 100

268 64.7 58.3 87.5

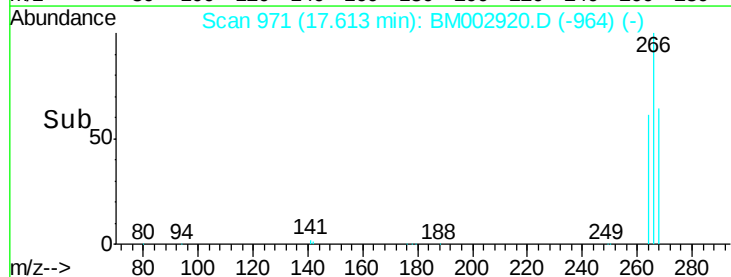
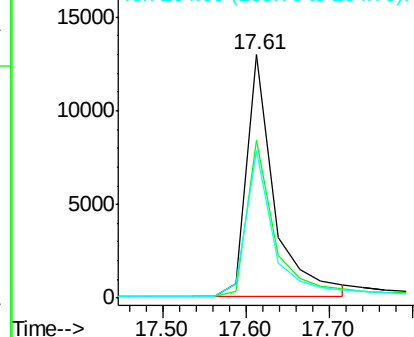
264 60.8 54.2 81.2

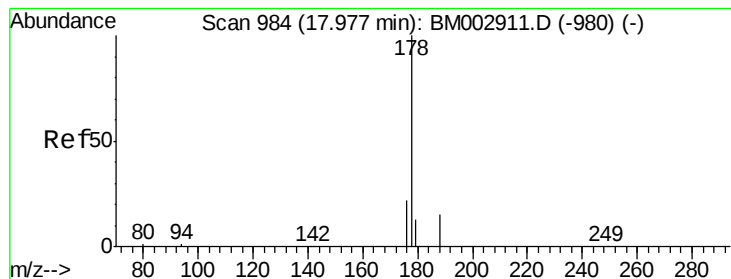


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 3.34 ng

RT: 18.00 min Scan# 986

Delta R.T. 0.02 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

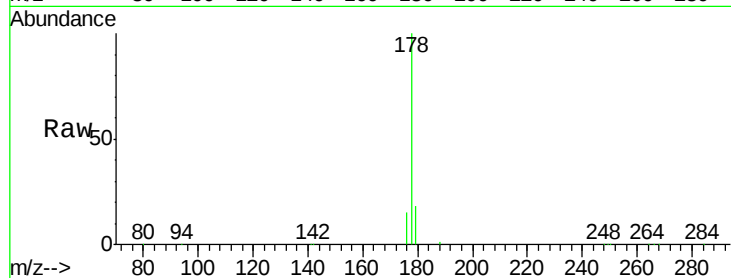
Tot Ion:178 Resp: 399103

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

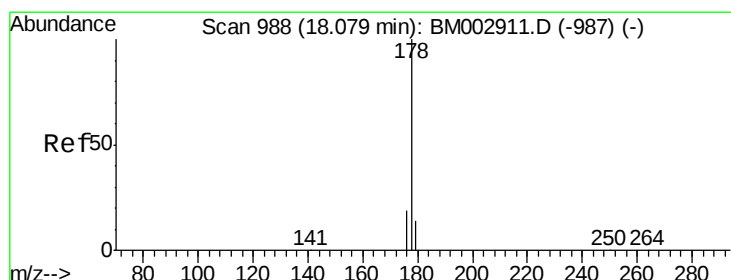
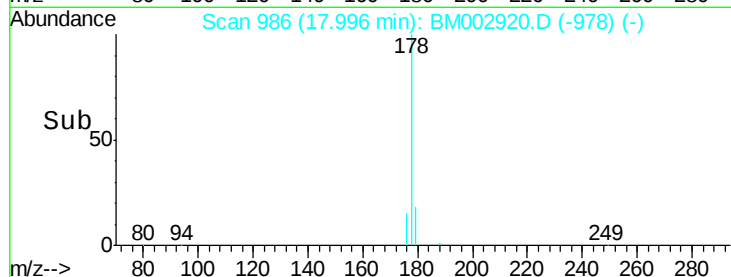
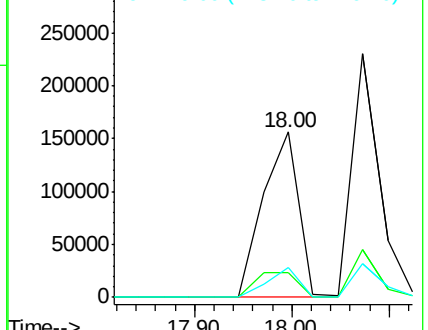
179 15.6 12.5 18.7



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



#24

Anthracene

Concen: 3.87 ng

RT: 18.07 min Scan# 989

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

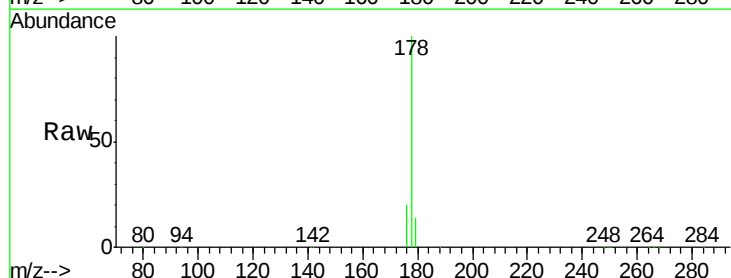
Tgt Ion:178 Resp: 440862

Ion Ratio Lower Upper

178 100

176 18.8 13.9 20.9

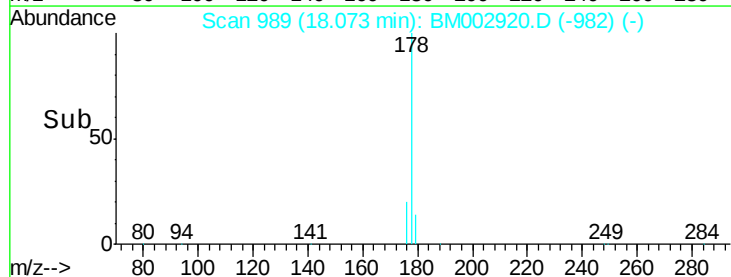
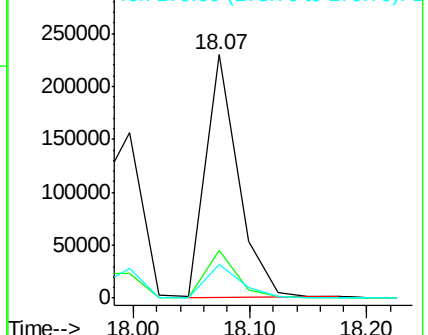
179 14.7 12.6 18.8

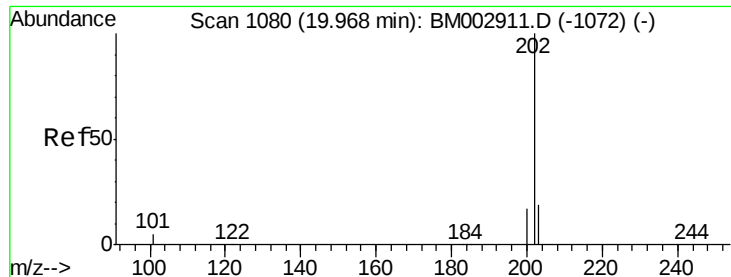


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 3.61 ng

RT: 19.96 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

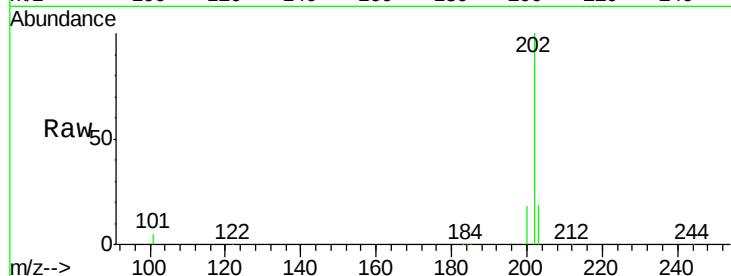
Tot Ion:202 Resp: 476827

Ion Ratio Lower Upper

202 100

101 14.0 11.0 16.6

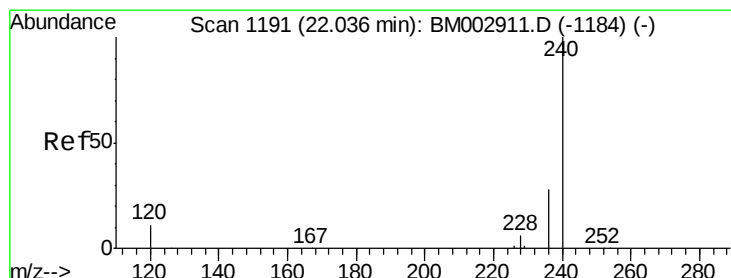
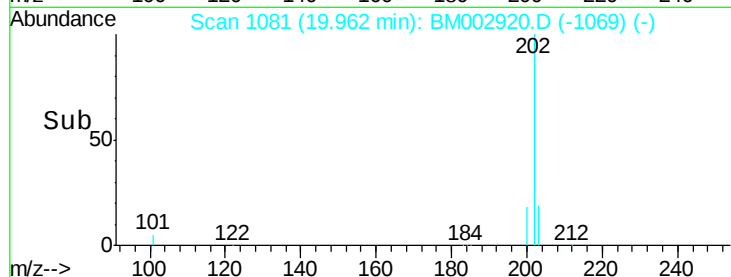
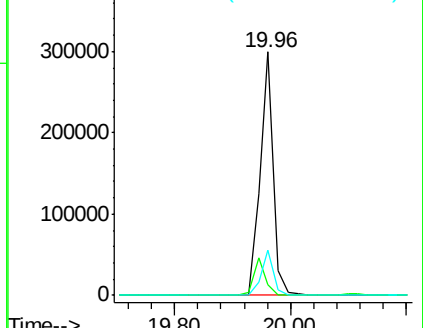
203 17.6 13.8 20.6



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: 5.00 ng

RT: 22.03 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

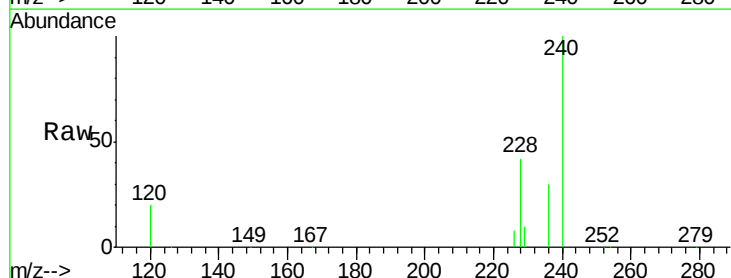
Tgt Ion:240 Resp: 416083

Ion Ratio Lower Upper

240 100

120 19.9 3.3 4.9#

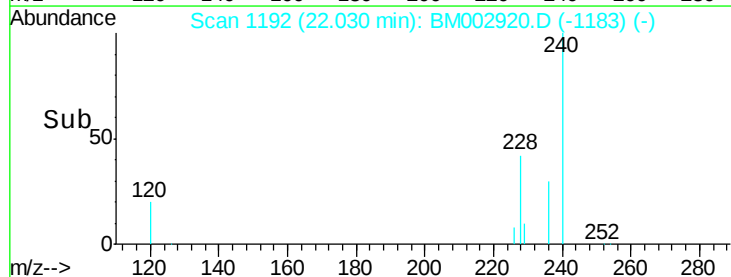
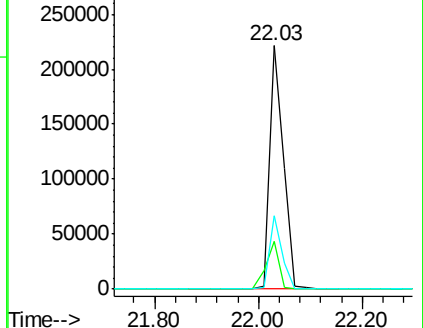
236 30.4 19.5 29.3#

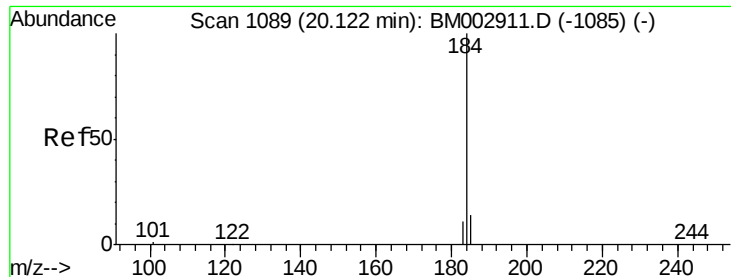


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

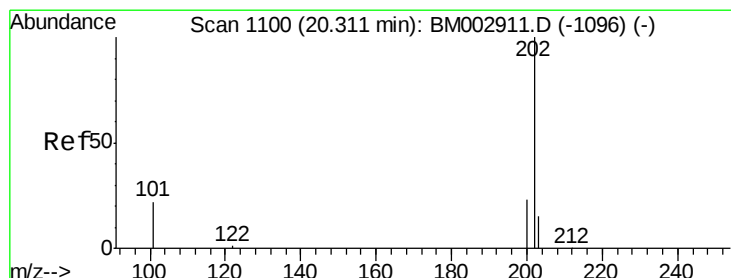
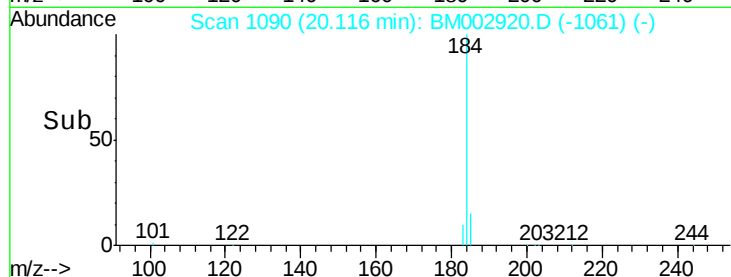
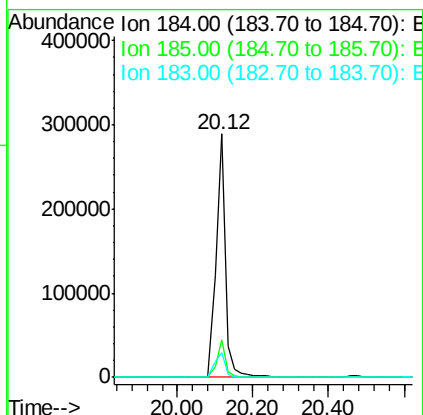
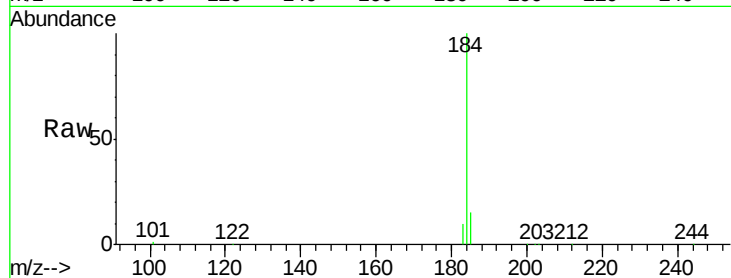




#27  
Benzidine  
Concen: 7.97 ng  
RT: 20.12 min Scan# 1090  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

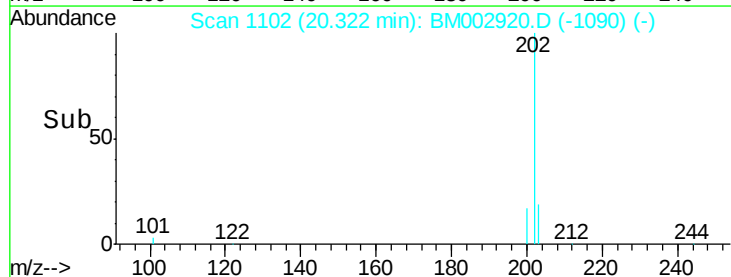
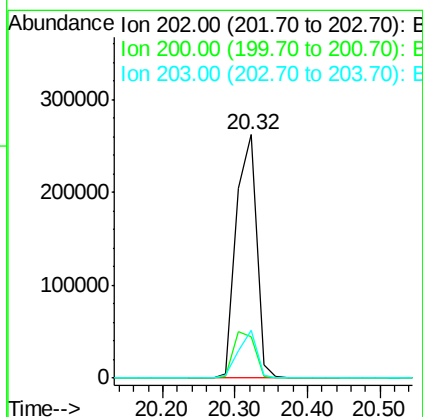
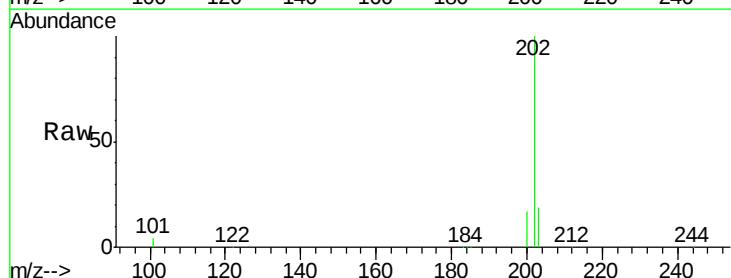
Instrument :  
BNA\_M  
ClientSampleId :  
PB86101BS

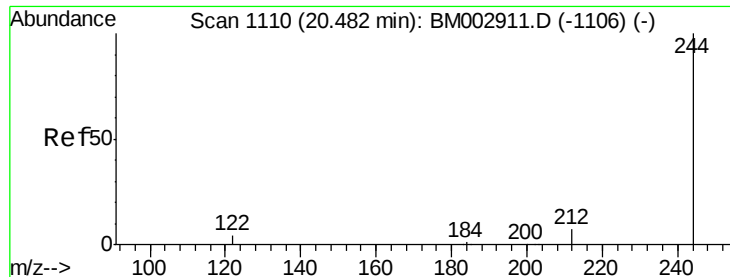
Tot Ion:184 Resp: 490284  
Ion Ratio Lower Upper  
184 100  
185 15.4 12.0 18.0  
183 10.0 8.9 13.3



#28  
Pyrene  
Concen: 4.09 ng  
RT: 20.32 min Scan# 1102  
Delta R.T. 0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

Tgt Ion:202 Resp: 502269  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.2 24.4  
203 17.9 13.8 20.8





#29

Terphenyl-d14

Concen: 3.99 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

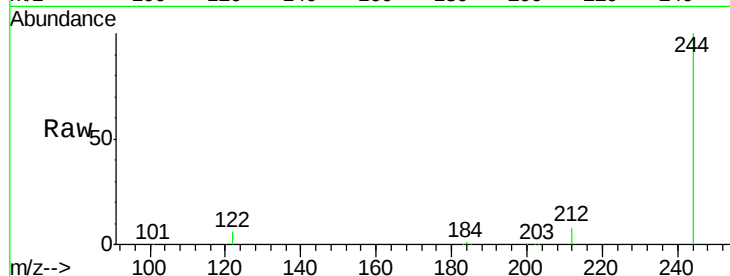
Tot Ion:244 Resp: 248358

Ion Ratio Lower Upper

244 100

212 8.1 5.6 8.4

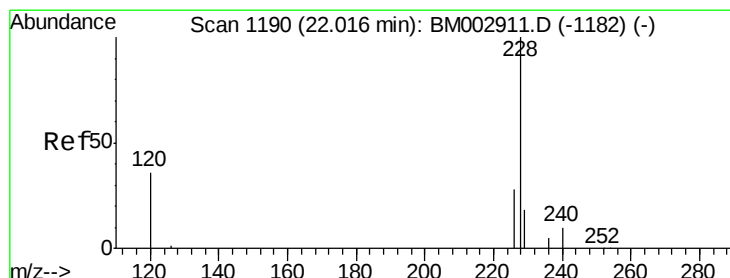
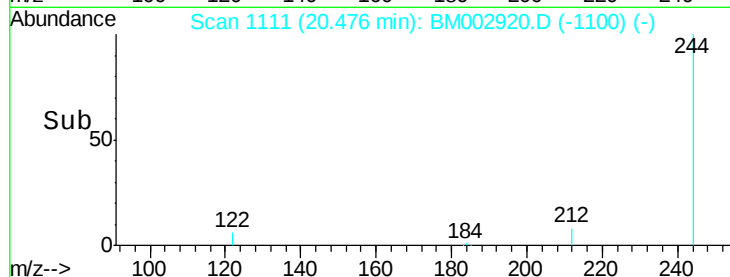
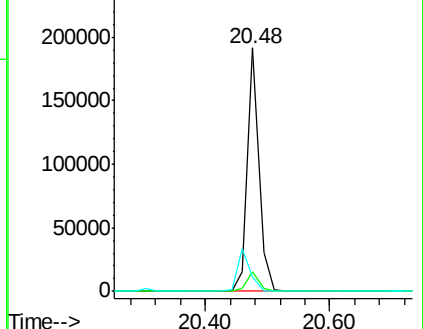
122 6.2 2.2 3.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 3.89 ng

RT: 22.01 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

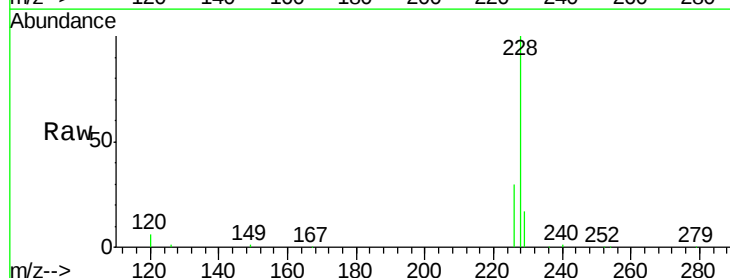
Tgt Ion:228 Resp: 467715

Ion Ratio Lower Upper

228 100

226 29.7 19.0 28.6#

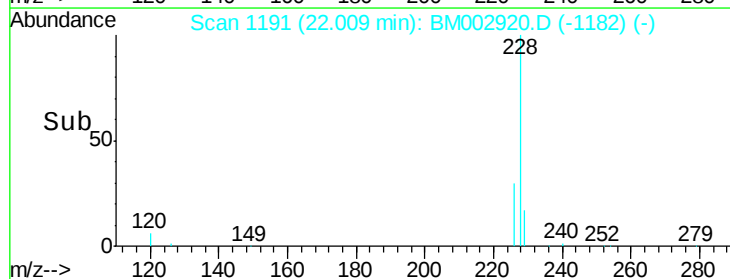
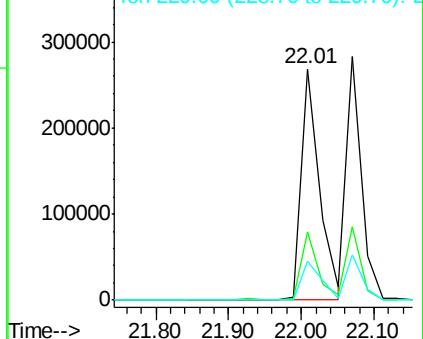
229 16.9 16.8 25.2

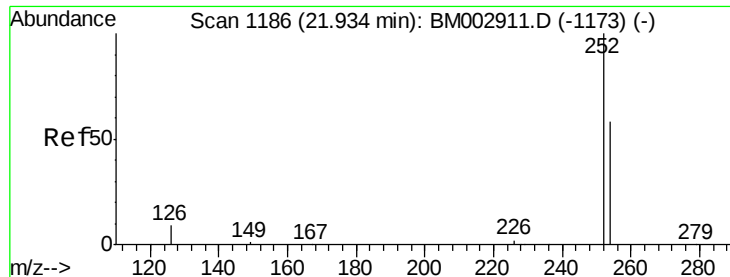


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

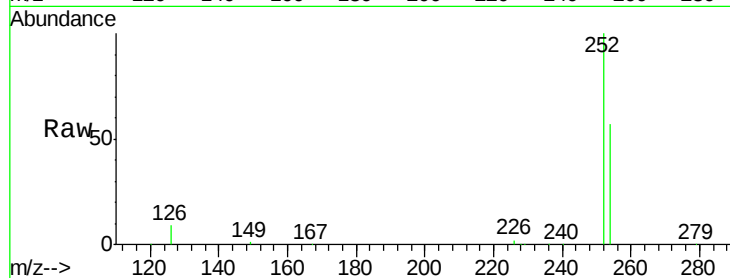




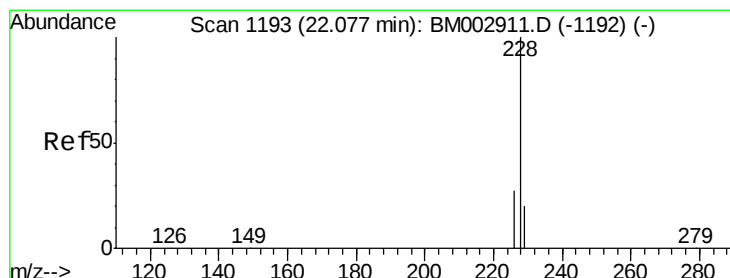
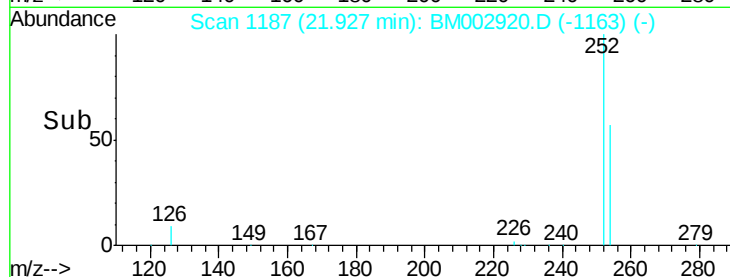
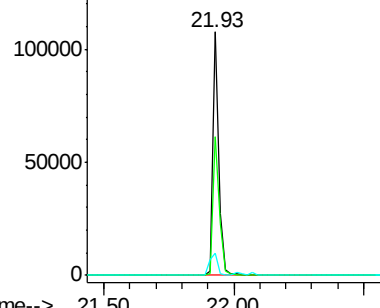
#31  
 3,3'-Dichlorobenzidine  
 Concen: 4.29 ng  
 RT: 21.93 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BM002920.D  
 Acq: 15 Oct 2015 18:45

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB86101BS

Tot Ion:252 Resp: 174579  
 Ion Ratio Lower Upper  
 252 100  
 254 57.0 54.1 81.1  
 126 9.0 4.1 6.1#

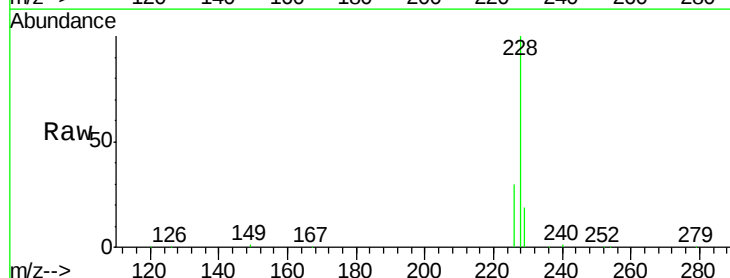


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

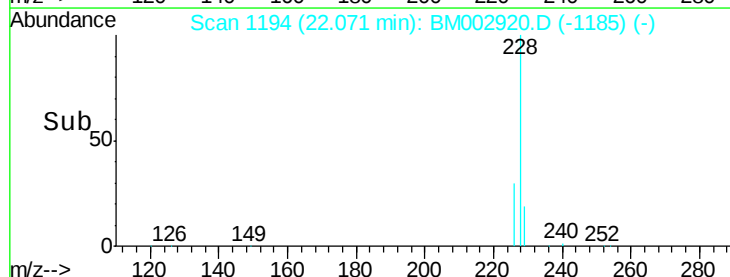
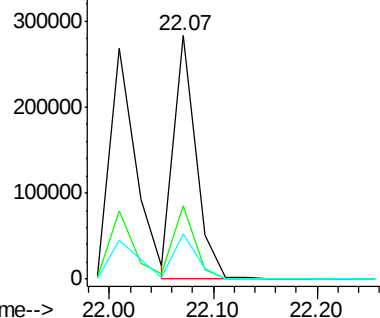


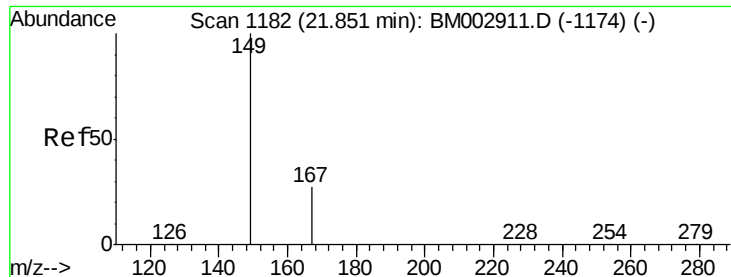
#32  
 Chrysene  
 Concen: 3.68 ng  
 RT: 22.07 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BM002920.D  
 Acq: 15 Oct 2015 18:45

Tgt Ion:228 Resp: 413380  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 20.6 30.8  
 229 18.6 17.4 26.2



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





#33

Bis(2-ethylhexyl)phthalate

Concen: 3.29 ng

RT: 21.85 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

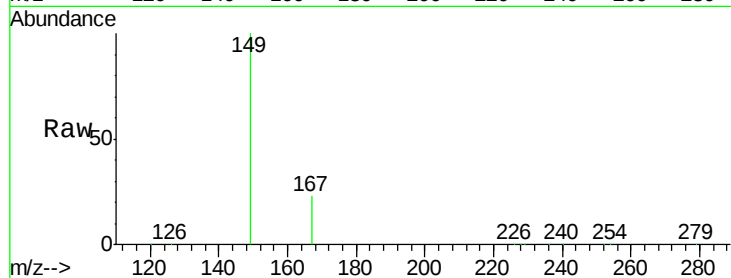
Tot Ion:149 Resp: 295687

Ion Ratio Lower Upper

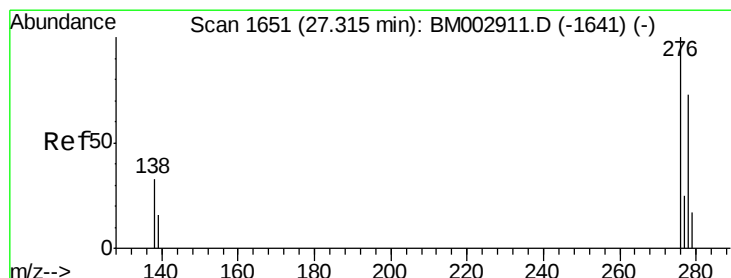
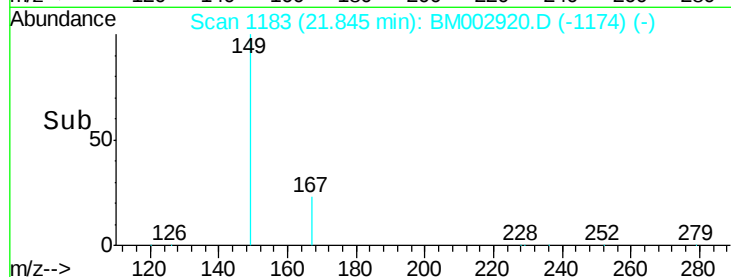
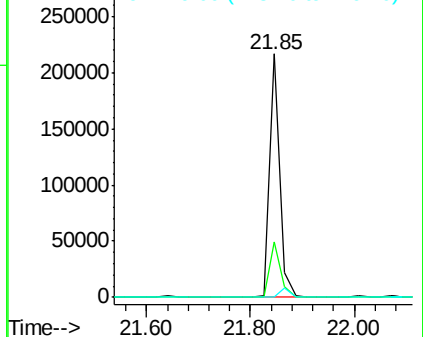
149 100

167 24.7 17.2 25.8

279 0.0 2.2 3.4#



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: 3.67 ng

RT: 27.30 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

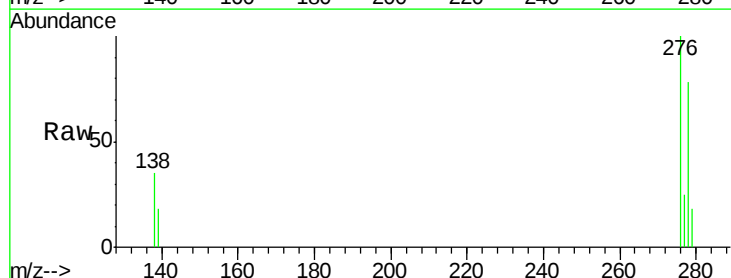
Tgt Ion:276 Resp: 425004

Ion Ratio Lower Upper

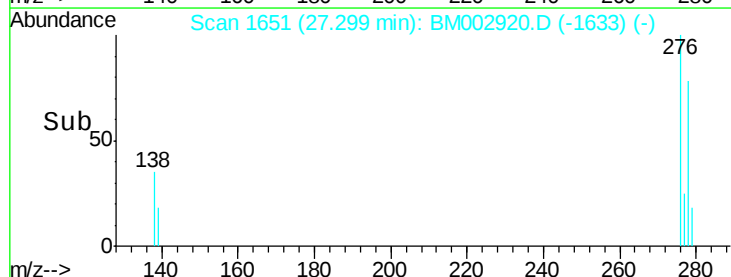
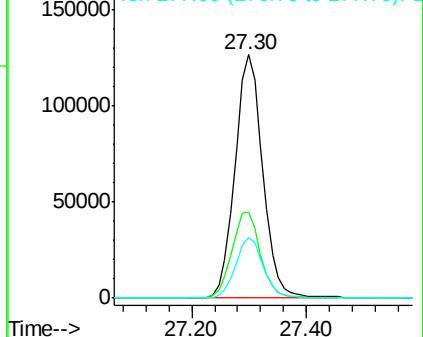
276 100

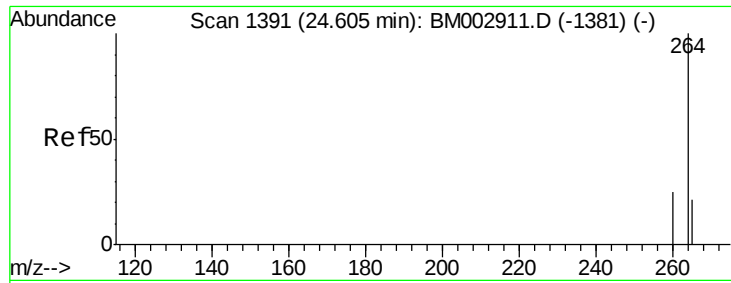
138 36.4 29.0 43.6

277 24.8 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

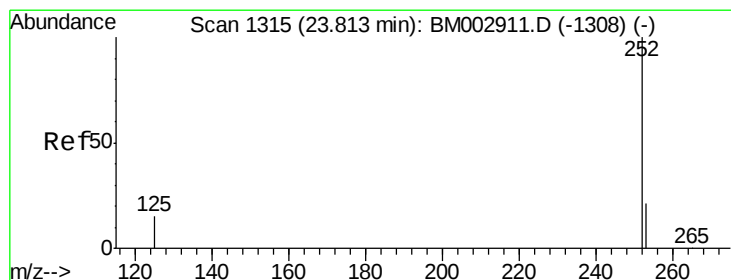
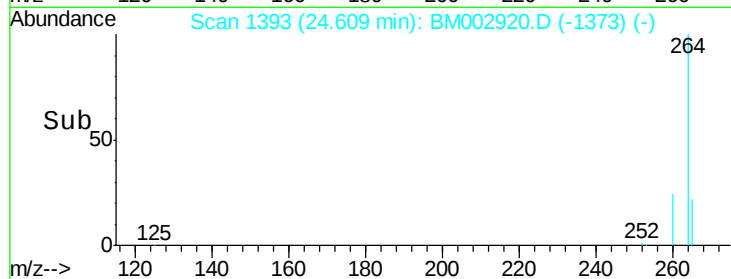
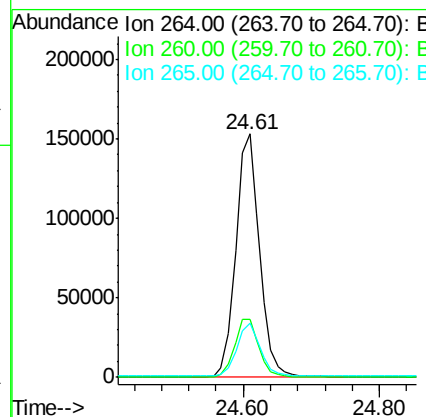
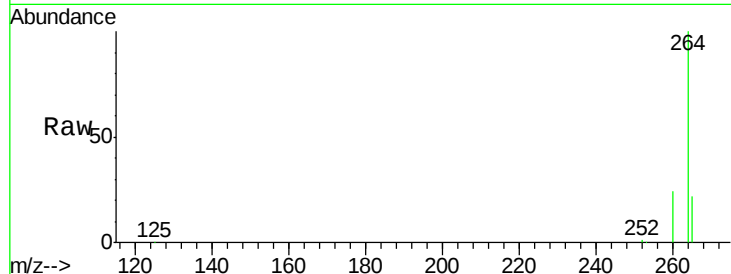




#35  
 Pervlene-d12  
 Concen: 5.00 ng  
 RT: 24.61 min Scan# 1393  
 Delta R.T. 0.01 min  
 Lab File: BM002920.D  
 Acq: 15 Oct 2015 18:45

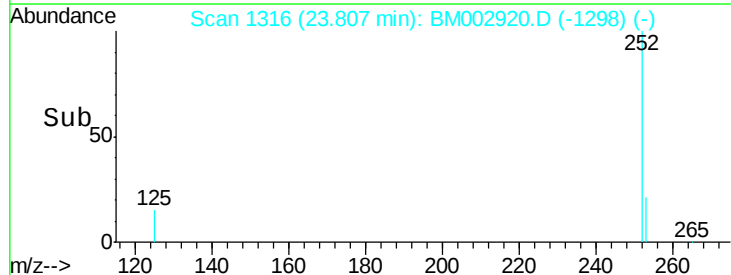
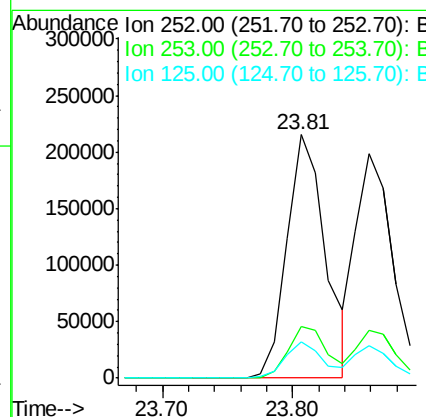
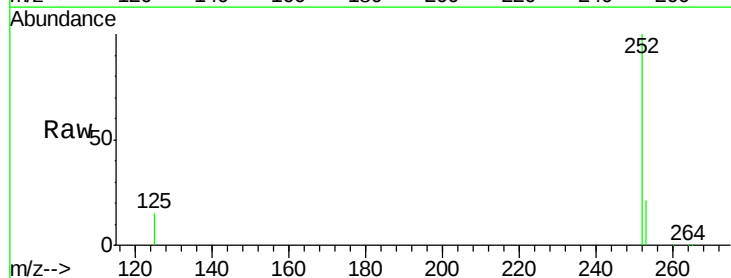
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB86101BS

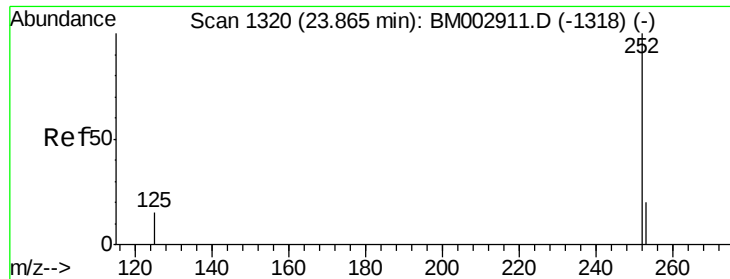
Tot Ion:264 Resp: 369443  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 20.1 30.1  
 265 22.2 17.6 26.4



#36  
 Benzo(b)fluoranthene  
 Concen: 4.15 ng  
 RT: 23.81 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BM002920.D  
 Acq: 15 Oct 2015 18:45

Tgt Ion:252 Resp: 439555  
 Ion Ratio Lower Upper  
 252 100  
 253 21.1 17.5 26.3  
 125 14.7 12.4 18.6

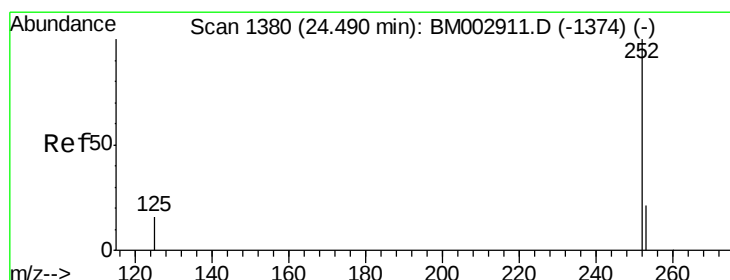
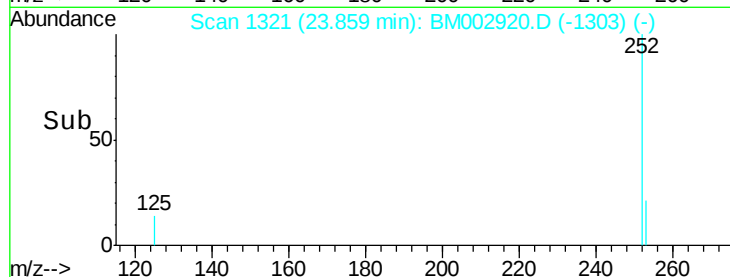
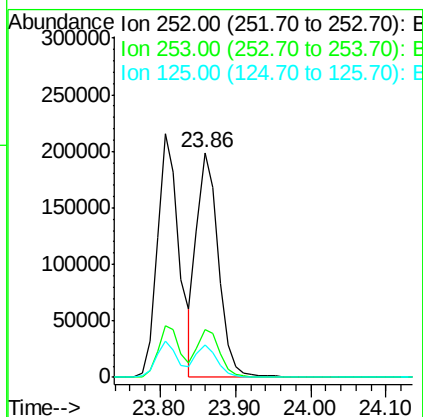
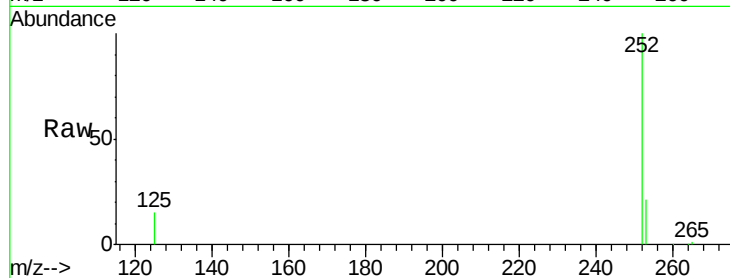




#37  
Benzo(k)fluoranthene  
Concen: 3.77 ng  
RT: 23.86 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

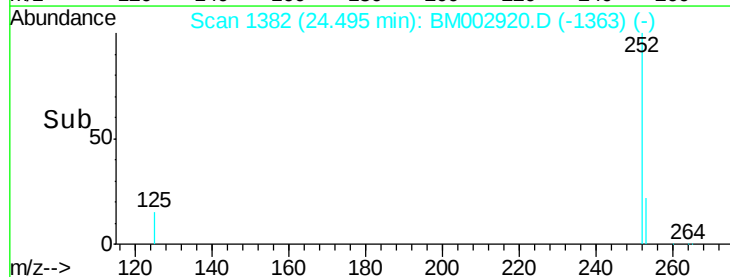
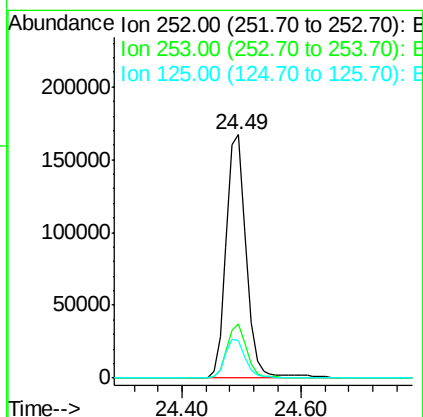
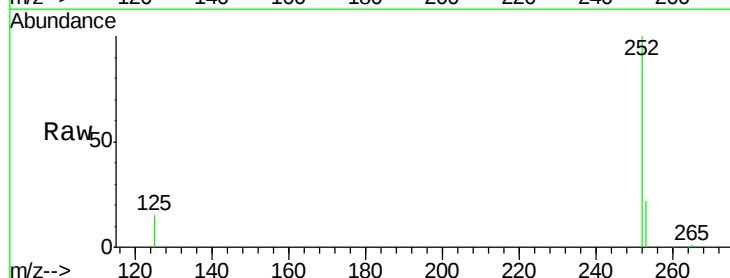
Instrument :  
BNA\_M  
ClientSampleId :  
PB86101BS

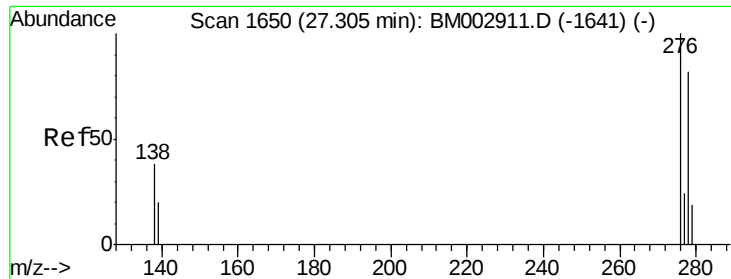
Tot Ion:252 Resp: 391532  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.9 26.9  
125 14.5 12.3 18.5



#38  
Benzo(a)pyrene  
Concen: 4.13 ng  
RT: 24.49 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: BM002920.D  
Acq: 15 Oct 2015 18:45

Tgt Ion:252 Resp: 387253  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.4 27.6  
125 15.2 13.3 19.9





#39

Dibenzo(a,h)anthracene

Concen: 3.84 ng

RT: 27.30 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

Instrument :

BNA\_M

ClientSampleId :

PB86101BS

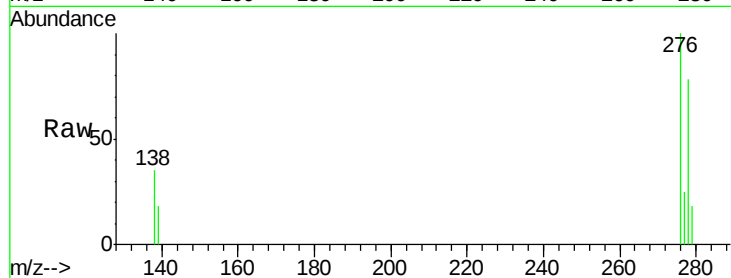
Tot Ion:278 Resp: 344303

Ion Ratio Lower Upper

278 100

139 22.8 19.8 29.6

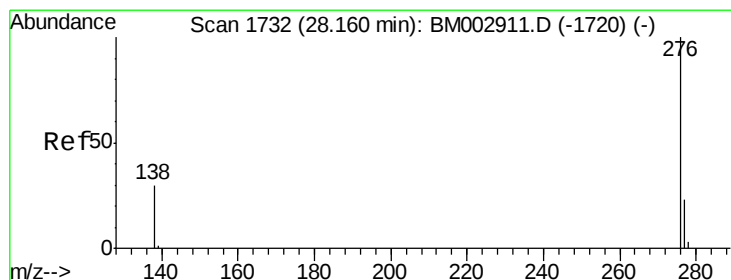
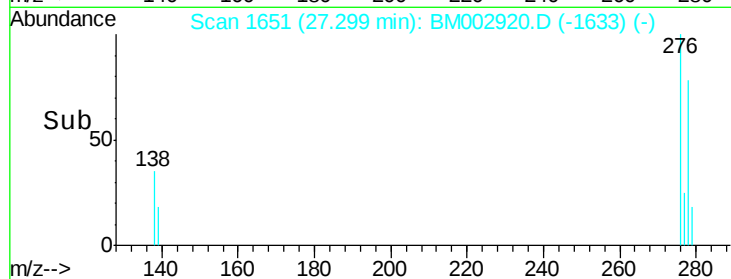
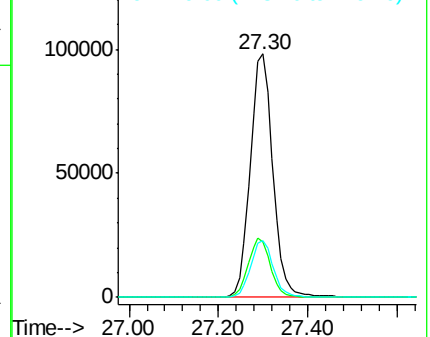
279 23.5 19.1 28.7



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: 3.78 ng

RT: 28.14 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BM002920.D

Acq: 15 Oct 2015 18:45

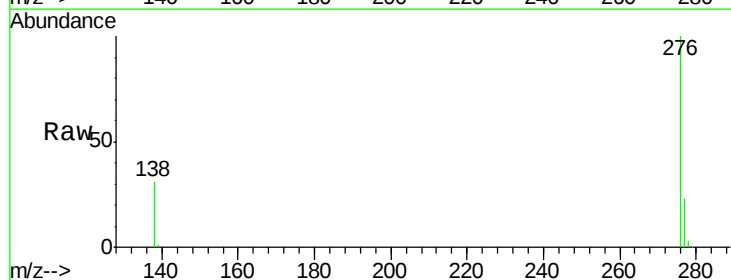
Tgt Ion:276 Resp: 354829

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 30.9 24.4 36.6



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

