

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\  
 Data File : BM010127.D  
 Acq On : 23 May 2017 05:59  
 Operator : SJ/MA  
 Sample : I3222-14MSD  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 23 08:11:16 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:25:49 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 156838   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.77 | 136  | 529892   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.59 | 164  | 331501   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.34 | 188  | 782619   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.50 | 240  | 1253801  | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 23.86 | 264  | 1422201  | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.54  | 112 | 1071081 | 123.33 | ng | -0.02 |
| 7) Phenol-d6                | 7.15  | 99  | 1279552 | 114.50 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 9.15  | 82  | 852730  | 86.82  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 16.09 | 330 | 617198  | 122.59 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 13.22 | 172 | 1778933 | 68.99  | ng | -0.02 |
| 78) Terphenyl-d14           | 19.94 | 244 | 3200374 | 58.04  | ng | -0.01 |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.43  | 88  | 144598  | 36.24 | ng | # 100  |
| 3) Pyridine                    | 3.85  | 79  | 376584  | 35.25 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.77  | 42  | 170993  | 44.25 | ng | 85     |
| 6) Aniline                     | 7.32  | 93  | 347385  | 25.09 | ng | 99     |
| 8) 2-Chlorophenol              | 7.53  | 128 | 350994  | 37.14 | ng | 93     |
| 9) Benzaldehyde                | 7.12  | 77  | 121662  | 17.49 | ng | 91     |
| 10) Phenol                     | 7.17  | 94  | 478439  | 40.62 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 7.39  | 93  | 312781  | 35.63 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.85  | 146 | 431995  | 35.98 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 8.00  | 146 | 442252  | 35.85 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.31  | 146 | 419865  | 35.46 | ng | 95     |
| 15) Benzyl Alcohol             | 8.22  | 79  | 315158  | 37.27 | ng | # 90   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 272107  | 31.53 | ng | 77     |
| 17) 2-Methylphenol             | 8.42  | 107 | 289540  | 34.55 | ng | # 88   |
| 18) Hexachloroethane           | 9.03  | 117 | 148348  | 37.10 | ng | # 72   |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 286347  | 36.30 | ng | 91     |
| 20) 3+4-Methylphenols          | 8.75  | 107 | 393550  | 34.77 | ng | 89     |
| 22) Acetophenone               | 8.80  | 105 | 530518  | 39.06 | ng | # 98   |
| 24) Nitrobenzene               | 9.19  | 77  | 437474  | 43.24 | ng | 97     |
| 25) Isophorone                 | 9.70  | 82  | 691189  | 40.73 | ng | # 95   |
| 26) 2-Nitrophenol              | 9.89  | 139 | 169270  | 39.69 | ng | # 66   |
| 27) 2,4-Dimethylphenol         | 9.95  | 122 | 289724  | 37.62 | ng | # 80   |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93  | 389708  | 36.18 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.42 | 162 | 362353  | 40.87 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.62 | 180 | 449955  | 39.22 | ng | 97     |
| 31) Naphthalene                | 10.82 | 128 | 1025393 | 36.17 | ng | 99     |
| 32) Benzoic acid               | 10.03 | 122 | 28432   | 5.42  | ng | 95     |
| 33) 4-Chloroaniline            | 10.96 | 127 | 120926  | 11.07 | ng | # 82   |
| 34) Hexachlorobutadiene        | 11.06 | 225 | 304498  | 39.79 | ng | 96     |
| 35) Caprolactam                | 11.76 | 113 | 87025   | 34.21 | ng | # 79   |
| 36) 4-Chloro-3-methylphenol    | 12.07 | 107 | 348008  | 36.24 | ng | 86     |
| 37) 2-Methylnaphthalene        | 12.42 | 142 | 778357  | 38.14 | ng | # 94   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.77 | 216 | 507792  | 39.83 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.73 | 237 | 704013  | 95.65 | ng | 99     |

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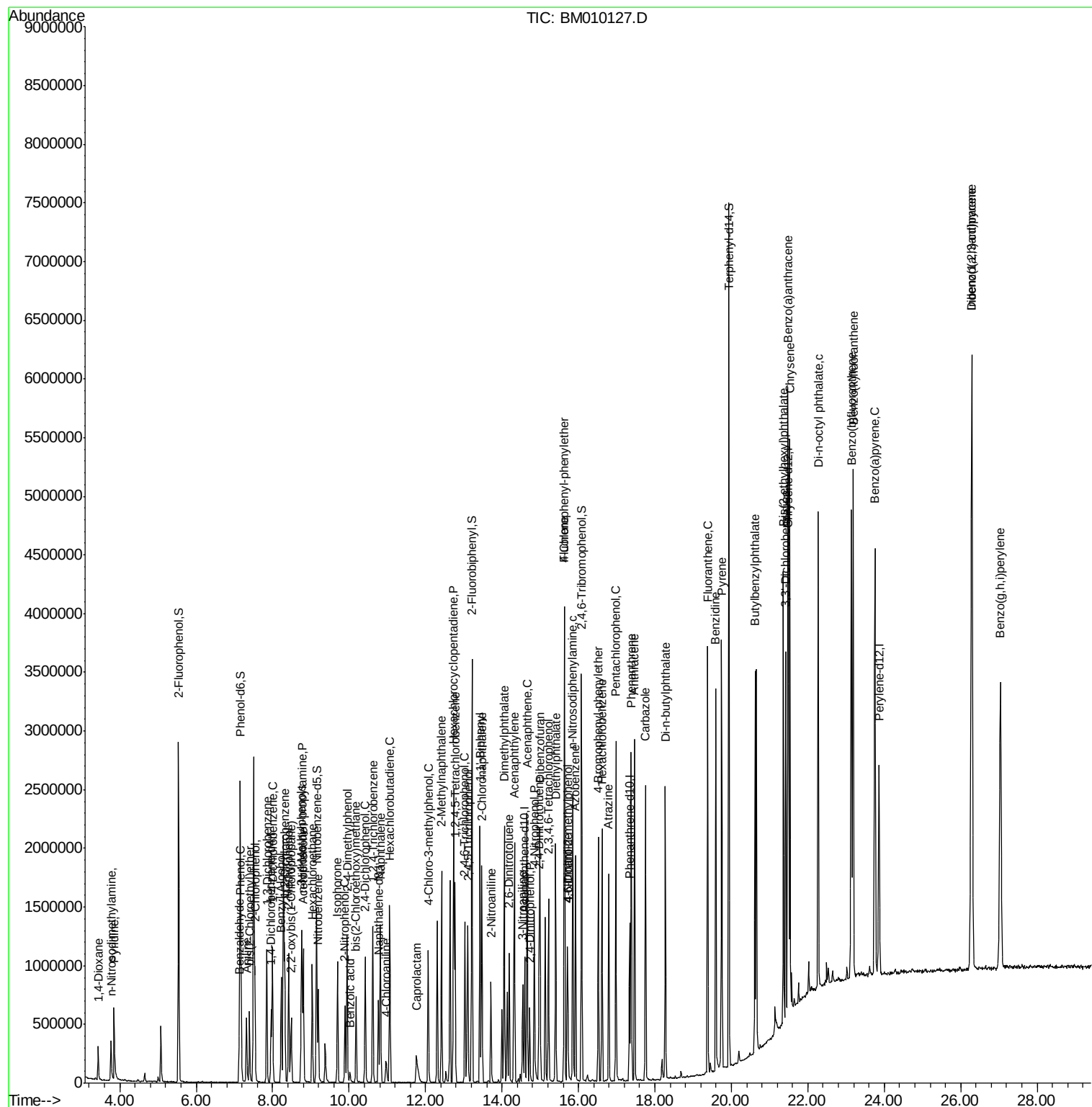
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.03 | 196  | 315362   | 42.00 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.10 | 196  | 326924   | 39.40 | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 13.43 | 154  | 1048198  | 38.45 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.47 | 162  | 831450   | 37.67 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.71 | 65   | 222464   | 39.20 | nq    | # 82     |
| 48) Acenaphthylene             | 14.32 | 152  | 1254020  | 38.42 | nq    | 99       |
| 49) Dimethylphthalate          | 14.06 | 163  | 1257366  | 42.52 | nq    | # 99     |
| 50) 2,6-Dinitrotoluene         | 14.19 | 165  | 216136   | 38.49 | nq    | # 88     |
| 51) Acenaphthene               | 14.66 | 154  | 765212   | 37.72 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.54 | 138  | 177132   | 33.94 | nq    | # 73     |
| 53) 2,4-Dinitrophenol          | 14.72 | 184  | 133875   | 39.38 | nq    | # 82     |
| 54) Dibenzofuran               | 14.99 | 168  | 1290238  | 40.44 | nq    | 96       |
| 55) 4-Nitrophenol              | 14.84 | 139  | 309550   | 73.70 | nq    | # 31     |
| 56) 2,4-Dinitrotoluene         | 14.97 | 165  | 304406   | 38.32 | nq    | # 84     |
| 57) Fluorene                   | 15.64 | 166  | 1048639  | 37.80 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.22 | 232  | 308942   | 43.72 | nq    | # 100    |
| 59) Diethylphthalate           | 15.40 | 149  | 983509   | 35.18 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.63 | 204  | 584365   | 37.52 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 176627   | 33.34 | nq    | # 26     |
| 62) Azobenzene                 | 15.92 | 77   | 954455   | 46.43 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.72 | 198  | 172227   | 36.02 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 15.85 | 169  | 903876   | 38.54 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.52 | 248  | 388545   | 38.78 | nq    | 95       |
| 67) Hexachlorobenzene          | 16.62 | 284  | 435941   | 35.81 | nq    | 96       |
| 68) Atrazine                   | 16.79 | 200  | 364209   | 40.95 | nq    | 98       |
| 69) Pentachlorophenol          | 16.98 | 266  | 522375   | 78.13 | nq    | 97       |
| 70) Phenanthrene               | 17.38 | 178  | 1686070  | 38.51 | nq    | 100      |
| 71) Anthracene                 | 17.47 | 178  | 1718434  | 39.55 | nq    | 99       |
| 72) Carbazole                  | 17.76 | 167  | 1513325  | 39.33 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.27 | 149  | 1618633  | 35.48 | nq    | # 98     |
| 74) Fluoranthene               | 19.38 | 202  | 2194887  | 38.61 | nq    | 98       |
| 76) Benzidine                  | 19.59 | 184  | 1726512  | 74.66 | nq    | 99       |
| 77) Pyrene                     | 19.74 | 202  | 2289479  | 34.06 | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.62 | 149  | 823178   | 33.08 | nq    | # 86     |
| 80) Benzo(a)anthracene         | 21.48 | 228  | 2598314  | 37.60 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.42 | 252  | 889491   | 32.00 | nq    | # 97     |
| 82) Chrysene                   | 21.53 | 228  | 2375159  | 36.24 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.36 | 149  | 1242707  | 33.40 | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 22.27 | 149  | 2304359  | 34.59 | nq    | # 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.29 | 276  | 4073392  | 42.38 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.14 | 252  | 3175277  | 38.15 | nq    | # 92     |
| 88) Benzo(k)fluoranthene       | 23.19 | 252  | 3029240  | 37.15 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 23.76 | 252  | 3065291  | 38.65 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 26.30 | 278  | 3410926  | 38.46 | nq    | # 92     |
| 91) Benzo(g,h,i)perylene       | 27.04 | 276  | 3334985  | 38.38 | nq    | # 87     |

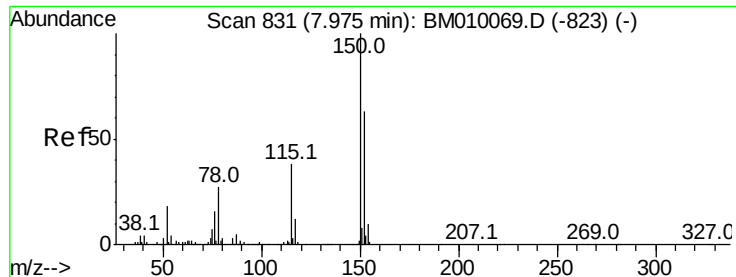
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.96 min Scan# 828

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

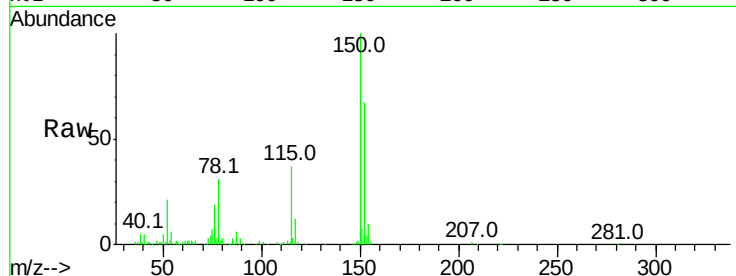
Tot Ion:152 Resp: 156838

Ion Ratio Lower Upper

152 100

150 149.1 119.5 179.3

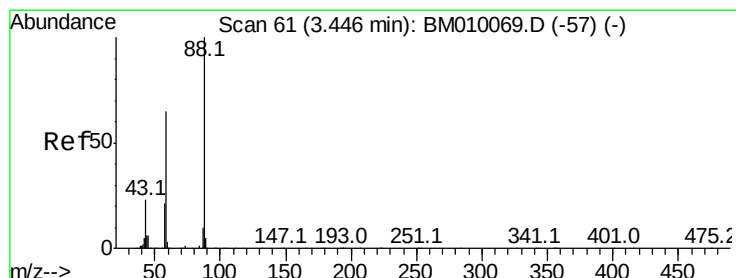
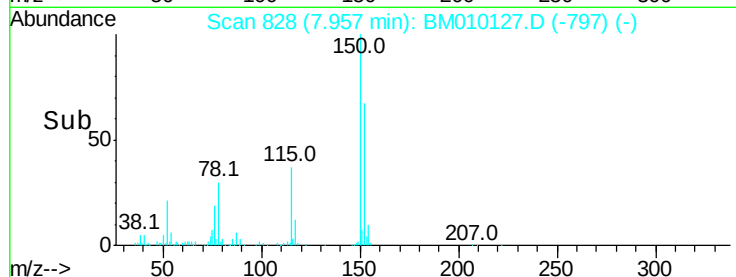
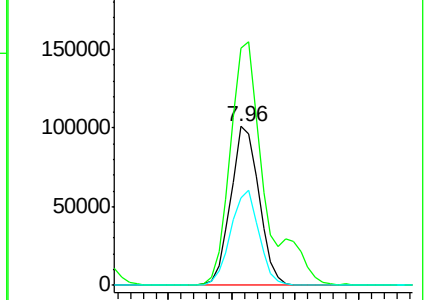
115 55.1 43.0 64.4



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: 36.24 ng

RT: 3.43 min Scan# 59

Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

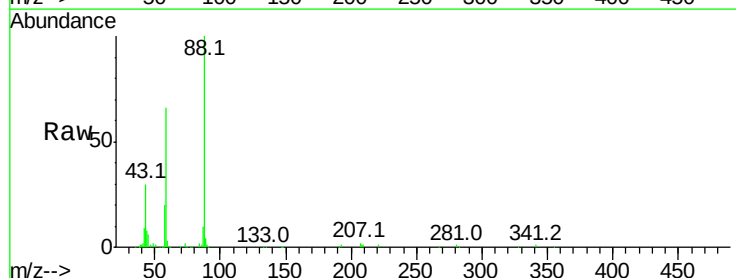
Tgt Ion: 88 Resp: 144598

Ion Ratio Lower Upper

88 100

58 63.0 0.0 0.0#

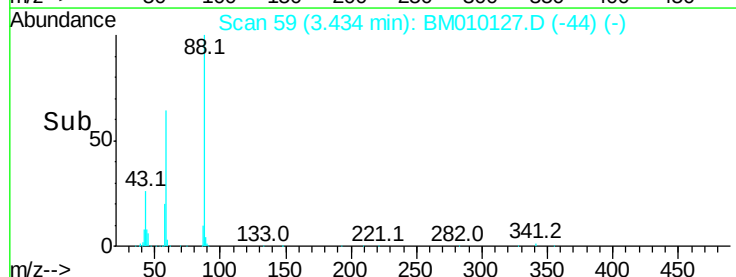
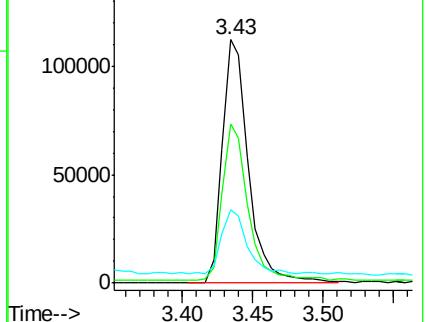
43 26.0 0.0 0.0#

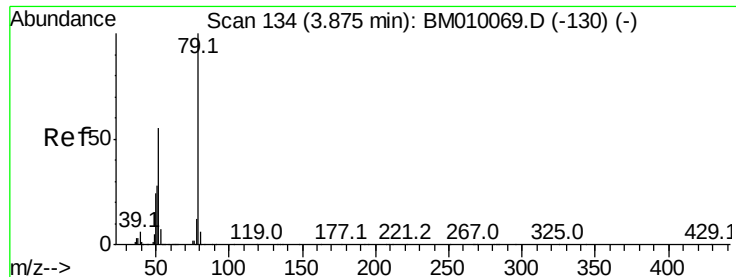


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 35.25 ng

RT: 3.85 min Scan# 130

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

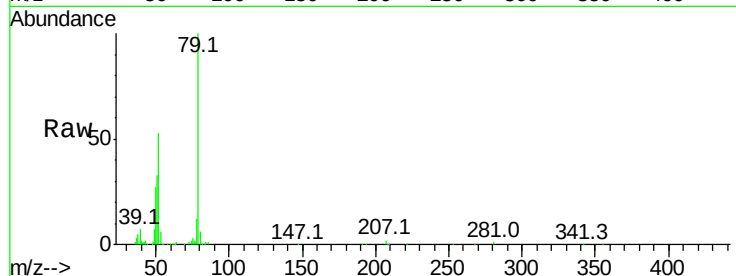
Tot Ion: 79 Resp: 376584

Ion Ratio Lower Upper

79 100

52 53.1 51.1 76.7

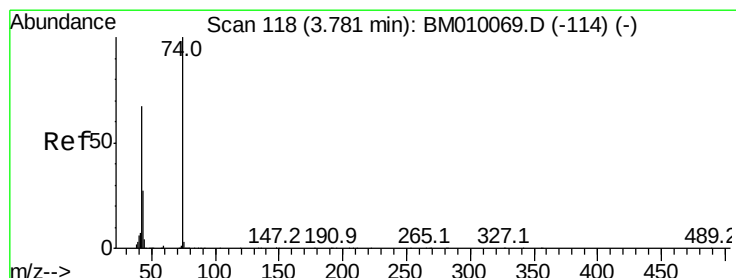
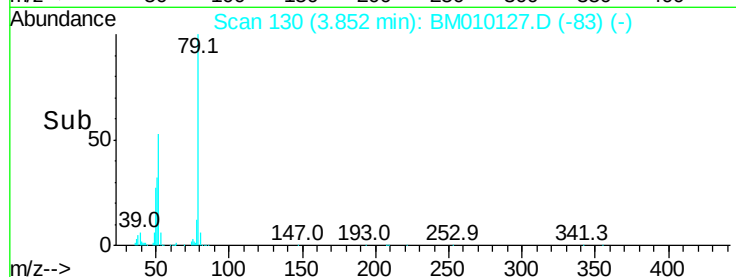
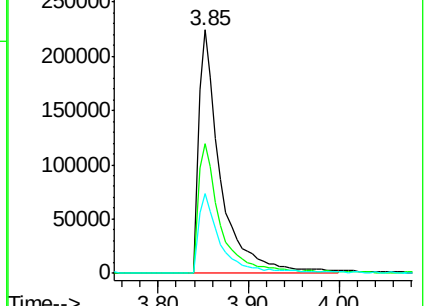
51 32.5 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM010069.D (-130) (-)

Ion 52.00 (51.70 to 52.70): BM010069.D (-130) (-)

Ion 51.00 (50.70 to 51.70): BM010069.D (-130) (-)



#4

n-Nitrosodimethylamine

Concen: 44.25 ng

RT: 3.77 min Scan# 116

Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

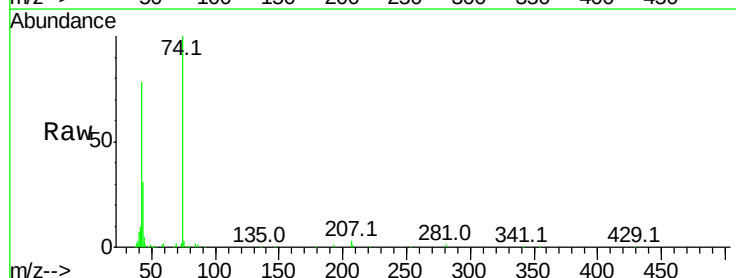
Tgt Ion: 42 Resp: 170993

Ion Ratio Lower Upper

42 100

74 128.9 119.3 178.9

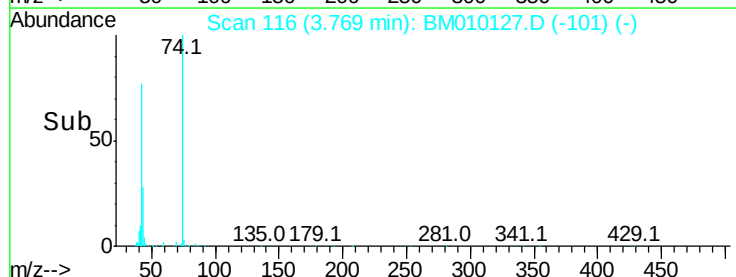
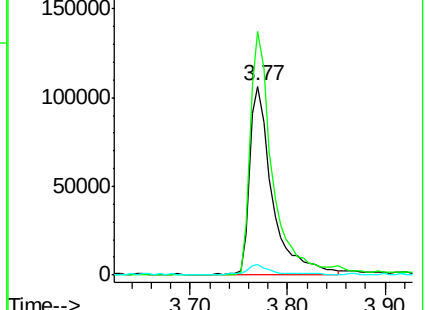
44 5.9 5.4 8.2

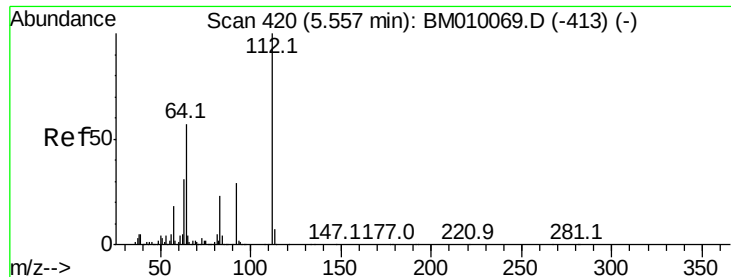


Abundance Ion 42.00 (41.70 to 42.70): BM010069.D (-114) (-)

Ion 74.00 (73.70 to 74.70): BM010069.D (-114) (-)

Ion 44.00 (43.70 to 44.70): BM010069.D (-114) (-)





#5

2-Fluorophenol

Concen: 123.33 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampled :

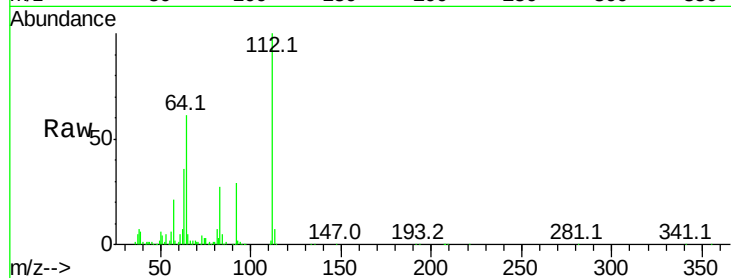
Tot Ion:112 Resp: 1071081

Ion Ratio Lower Upper

112 100

64 61.1 38.6 57.8#

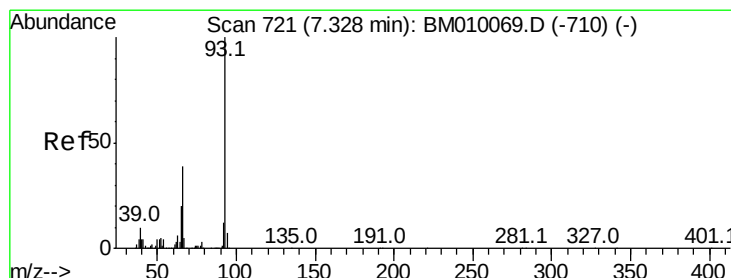
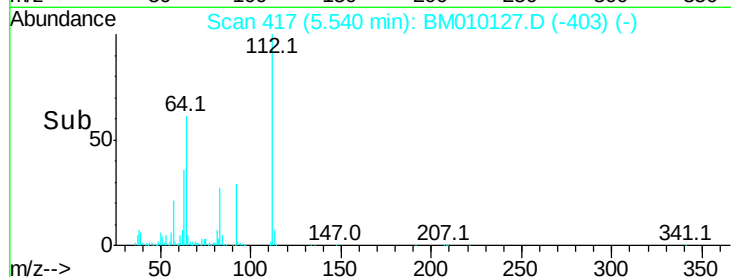
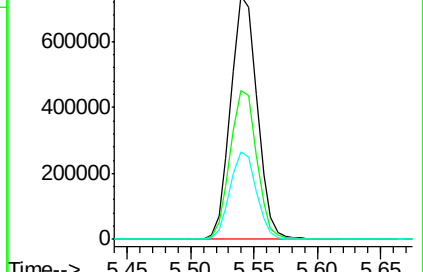
63 35.9 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 25.09 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

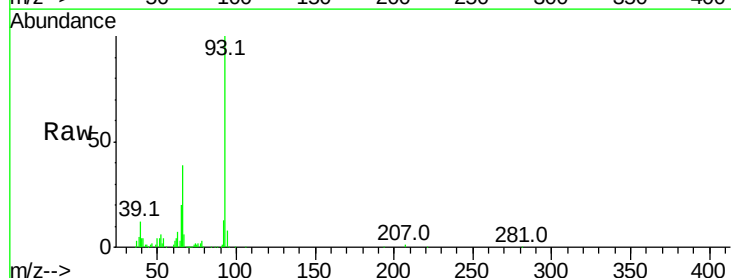
Tgt Ion: 93 Resp: 347385

Ion Ratio Lower Upper

93 100

66 39.4 30.8 46.2

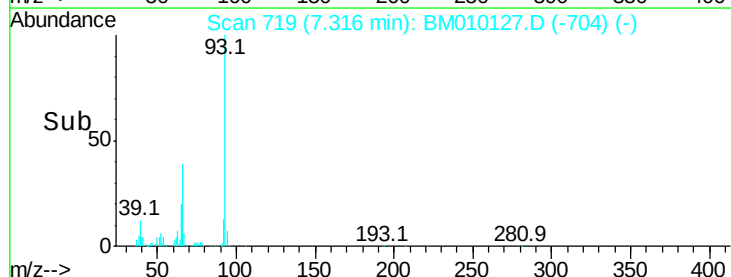
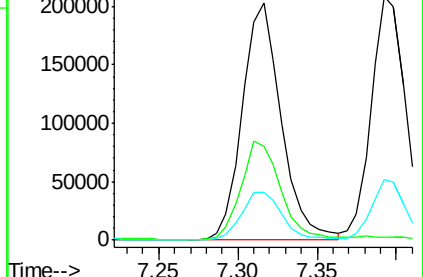
65 20.4 16.0 24.0

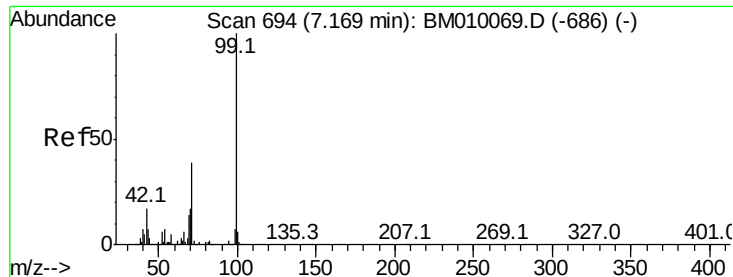


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 114.50 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

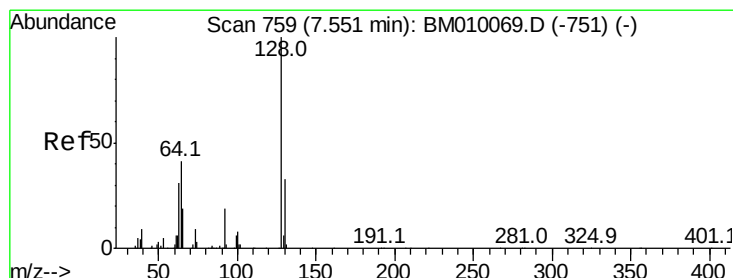
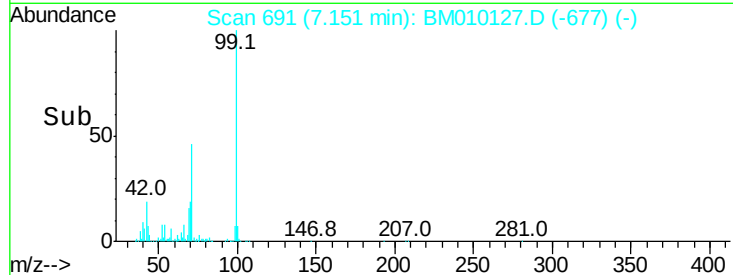
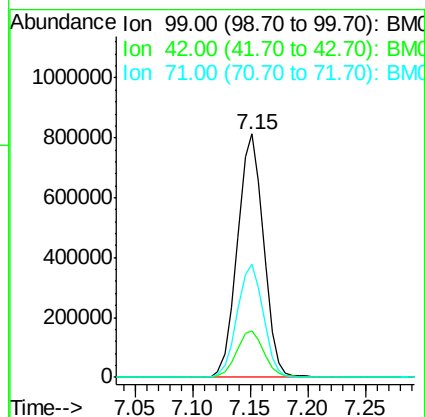
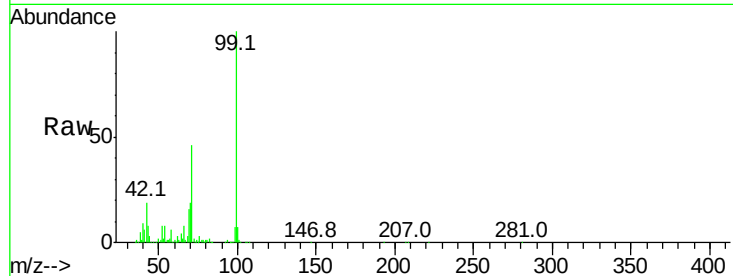
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 99 Resp: 1279552

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.4  | 11.0  | 16.4# |
| 71  | 46.2  | 23.4  | 35.2# |



#8

2-Chlorophenol

Concen: 37.14 ng

RT: 7.53 min Scan# 756

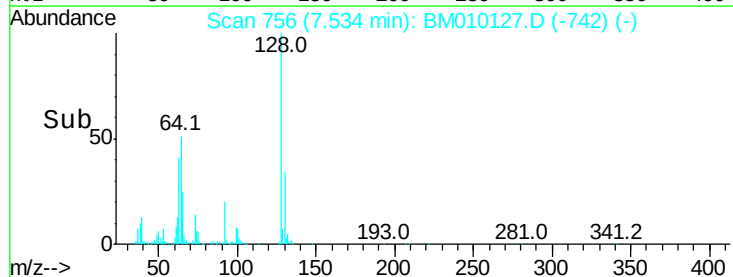
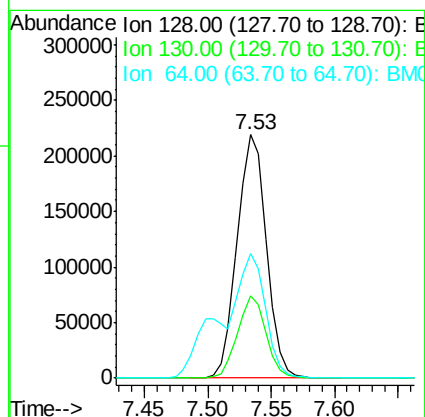
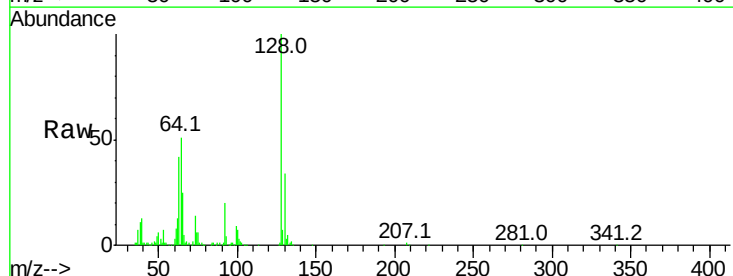
Delta R.T. -0.02 min

Lab File: BM010127.D

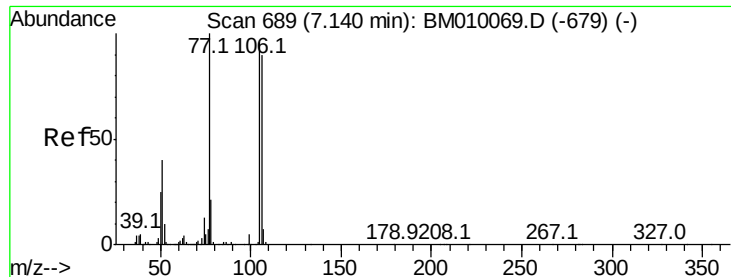
Acq: 23 May 2017 05:59

Tgt Ion: 128 Resp: 350994

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.0  | 12.0  | 52.0  |
| 64  | 51.1  | 24.9  | 64.9  |







#9

Benzaldehyde

Concen: 17.49 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

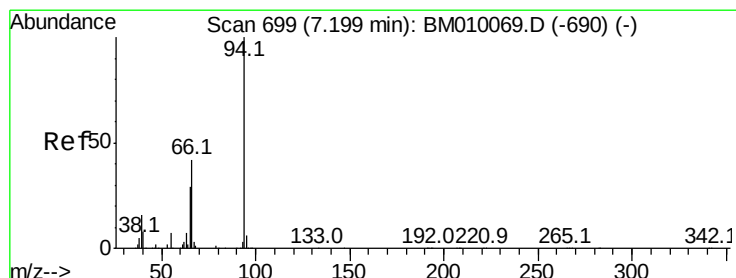
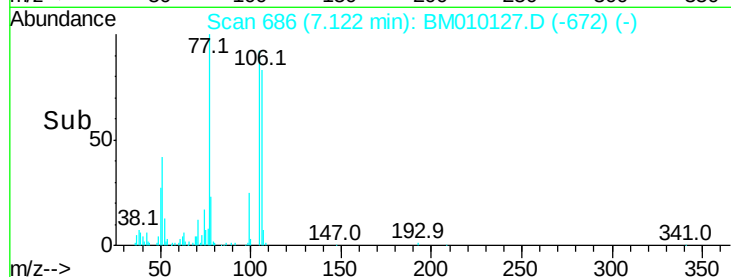
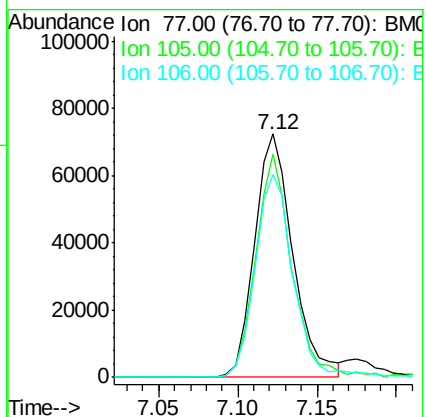
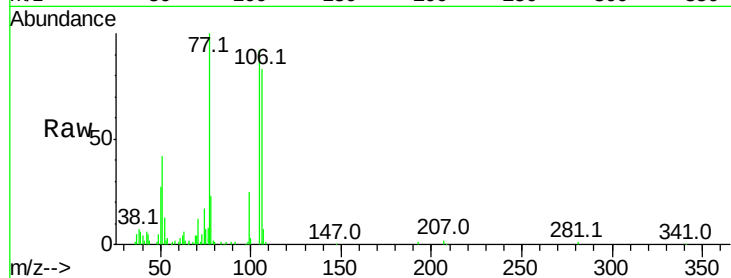
Tot Ion: 77 Resp: 121662

Ion Ratio Lower Upper

77 100

105 91.8 78.8 118.8

106 83.4 73.7 113.7



#10

Phenol

Concen: 40.62 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

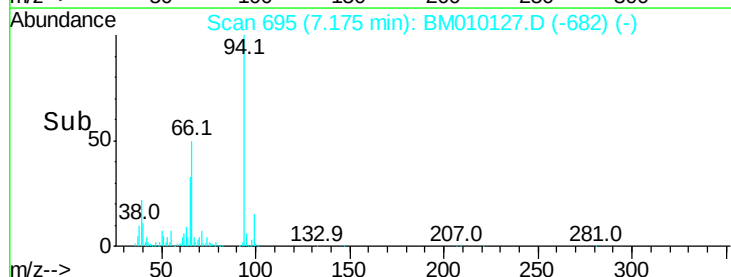
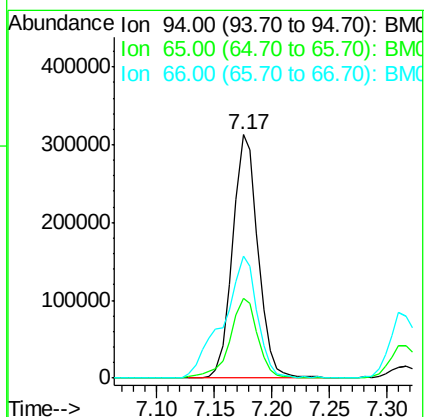
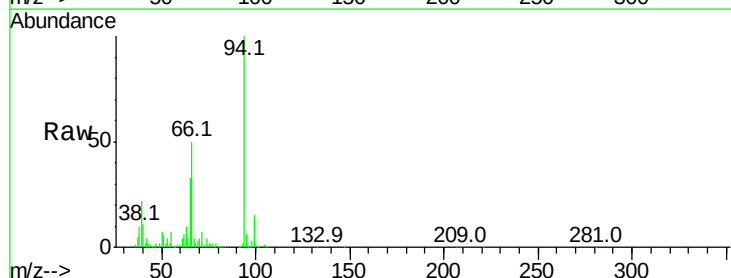
Tgt Ion: 94 Resp: 478439

Ion Ratio Lower Upper

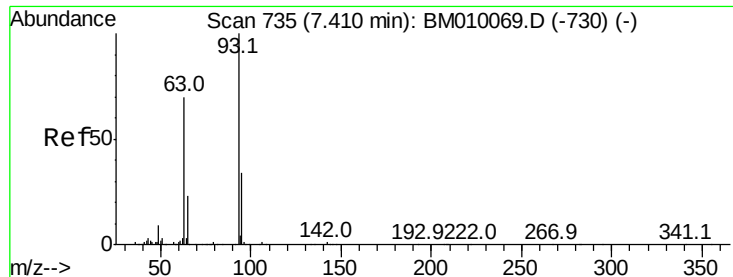
94 100

65 33.0 18.8 58.8

66 50.1 39.9 79.9







#11

bis(2-Chloroethyl)ether

Concen: 35.63 ng

RT: 7.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

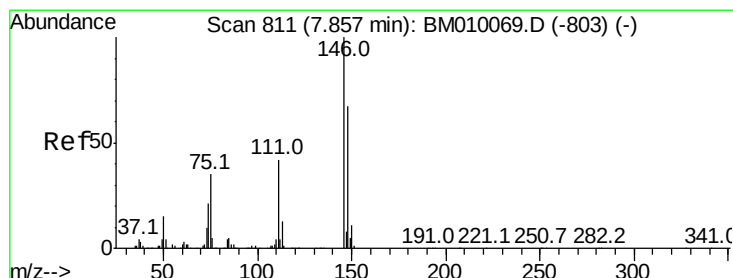
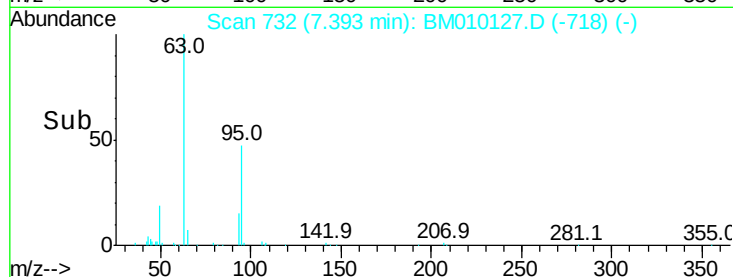
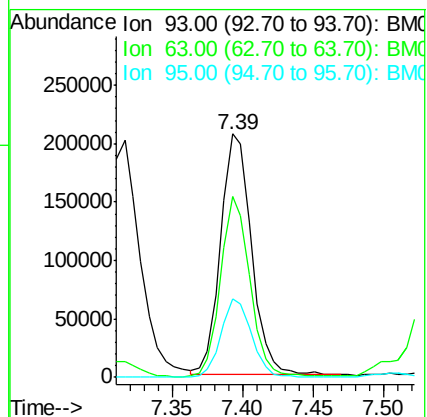
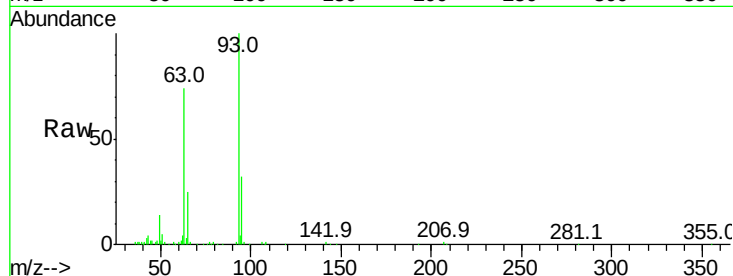
Tot Ion: 93 Resp: 312781

Ion Ratio Lower Upper

93 100

63 74.3 49.5 89.5

95 32.1 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 35.98 ng

RT: 7.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

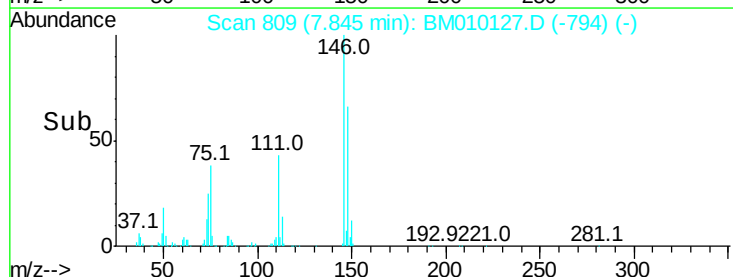
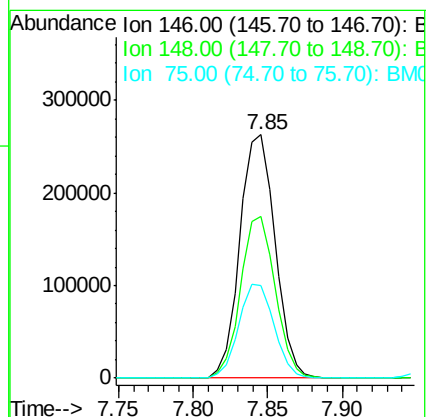
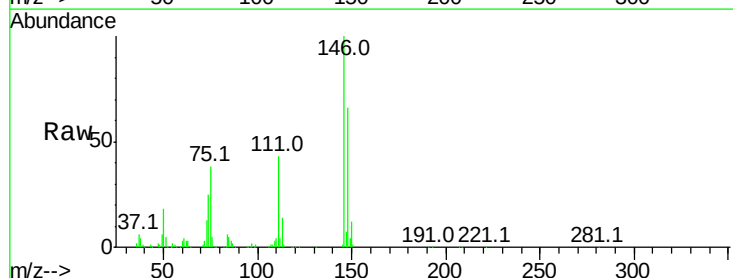
Tgt Ion: 146 Resp: 431995

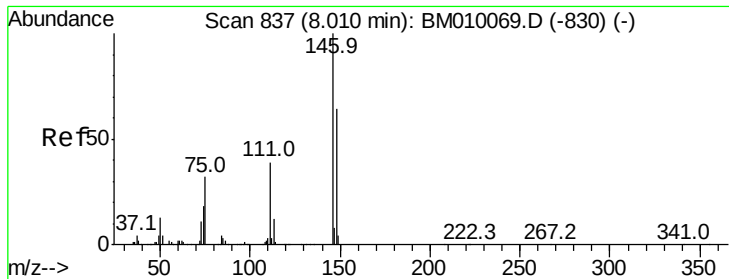
Ion Ratio Lower Upper

146 100

148 66.5 50.9 76.3

75 37.9 21.4 32.2#

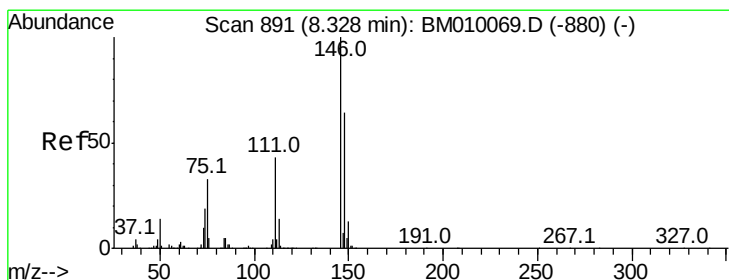
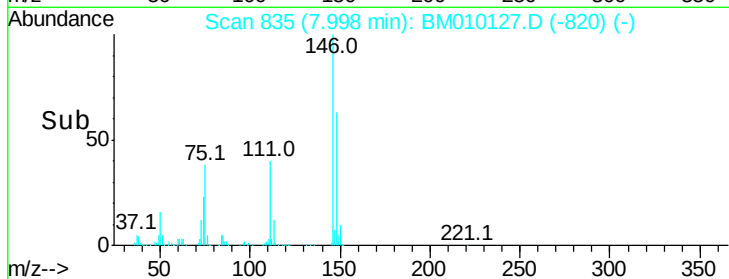
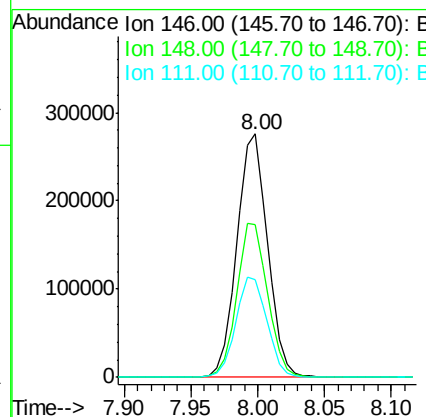
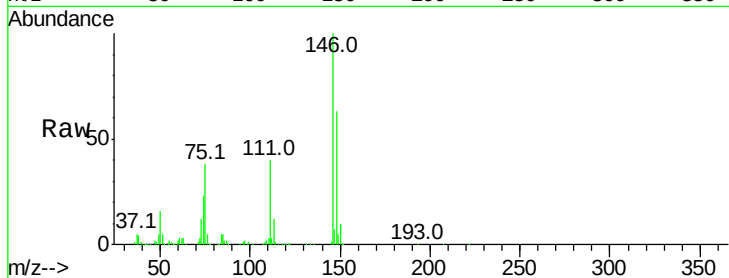




#13  
 1,4-Dichlorobenzene  
 Concen: 35.85 ng  
 RT: 8.00 min Scan# 835  
 Delta R.T. -0.01 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

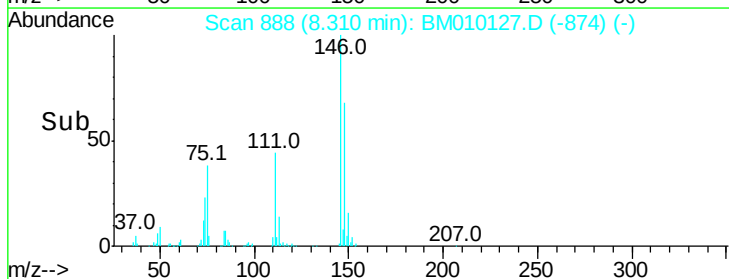
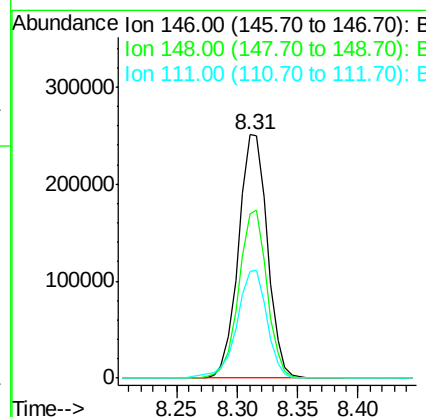
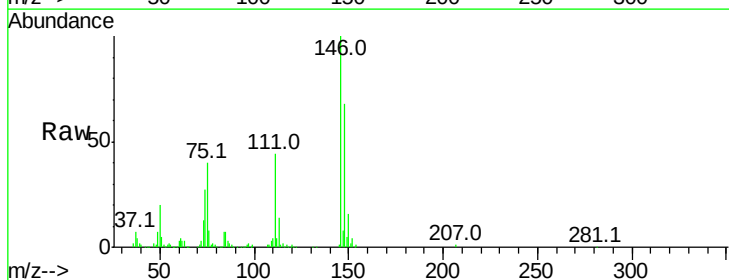
Instrument :  
 BNA\_M  
 ClientSampleId :

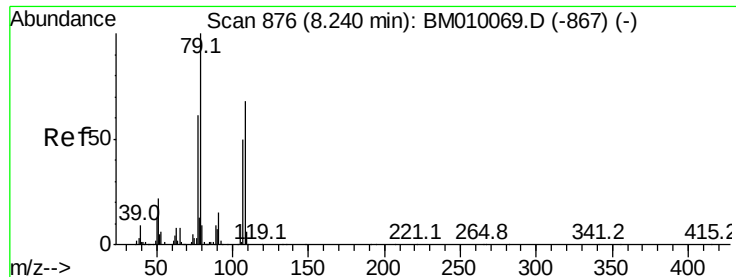
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 51.9  | 77.9  |
| 111     | 40.0  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 35.46 ng  
 RT: 8.31 min Scan# 888  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.5  | 52.3  | 78.5  |
| 111     | 43.8  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 37.27 ng

RT: 8.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

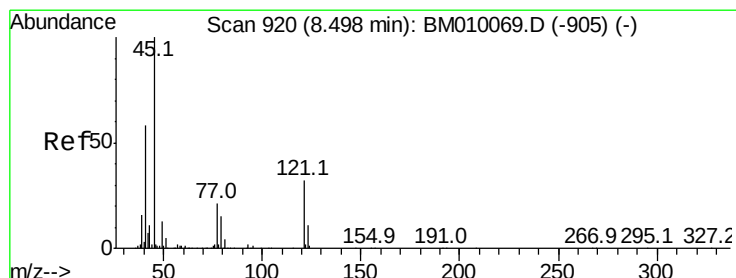
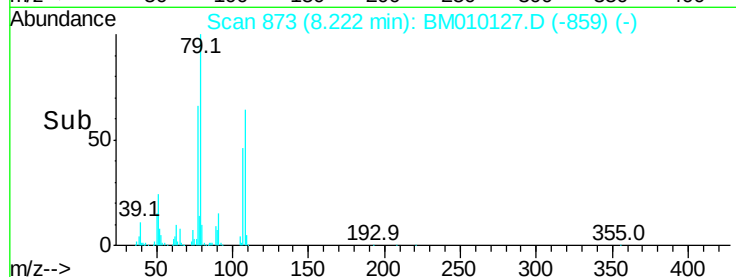
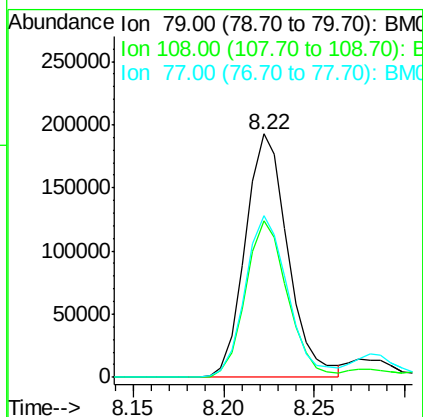
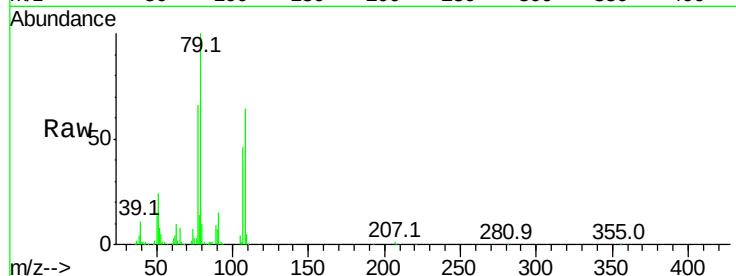
Instrument :

BNA\_M

ClientSampled :

Tot Ion: 79 Resp: 315158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 64.5  | 65.0  | 97.4# |
| 77  | 66.4  | 53.0  | 79.6  |



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.53 ng

RT: 8.49 min Scan# 918

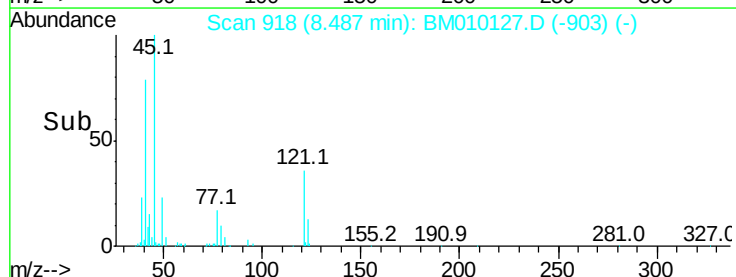
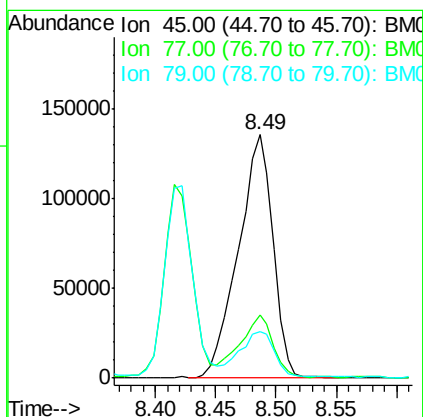
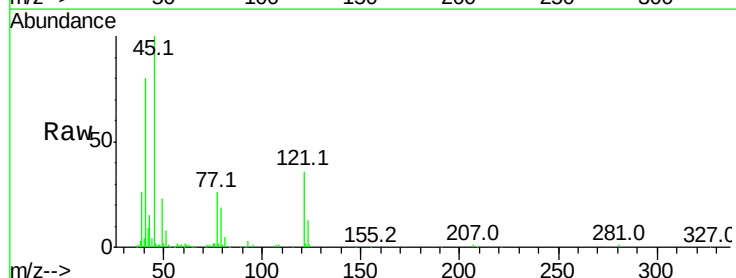
Delta R.T. -0.01 min

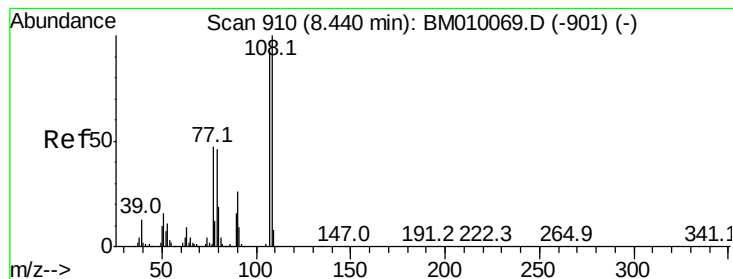
Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion: 45 Resp: 272107

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 26.2  | 0.0   | 35.2  |
| 79  | 19.1  | 0.0   | 32.0  |

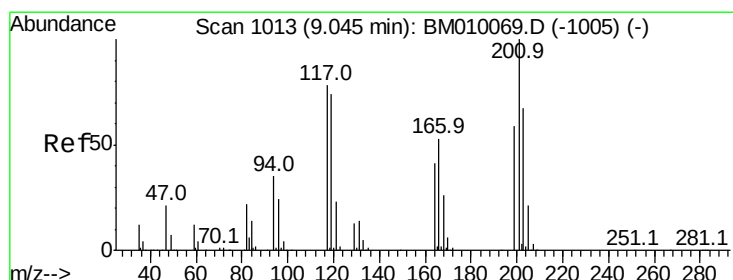
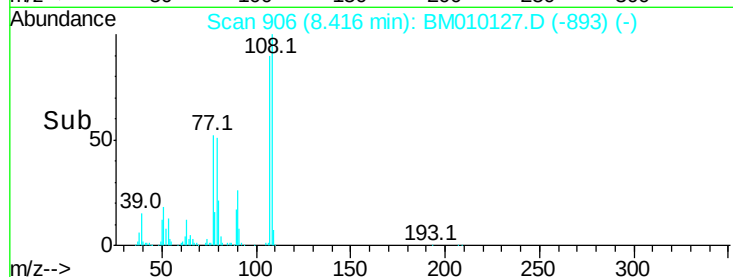
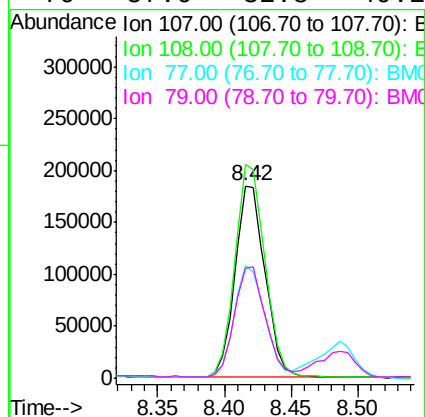
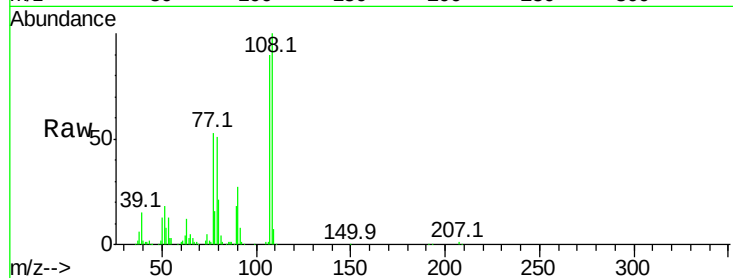




#17  
2-Methylphenol  
Concen: 34.55 ng  
RT: 8.42 min Scan# 906  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

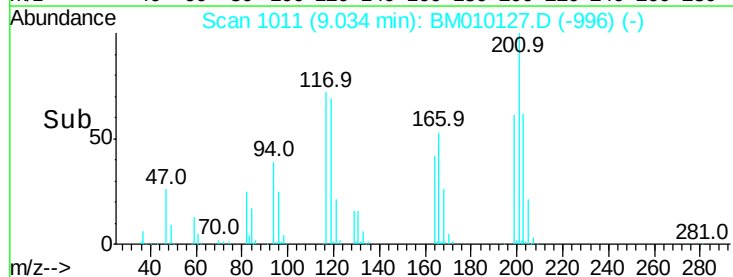
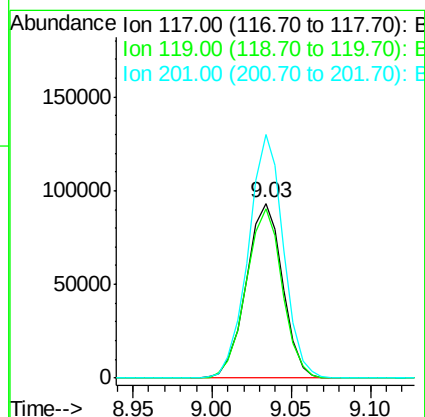
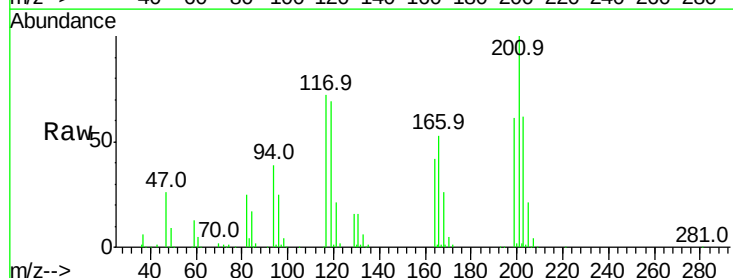
Instrument :  
BNA\_M  
ClientSampleId :

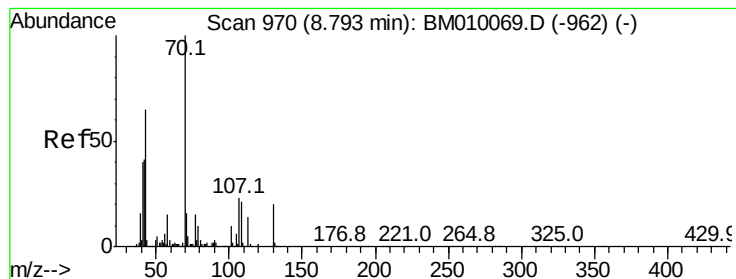
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.9 | 89.8  | 134.8 |
| 77      | 58.2  | 32.6  | 48.8# |
| 79      | 57.0  | 32.8  | 49.2# |



#18  
Hexachloroethane  
Concen: 37.10 ng  
RT: 9.03 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 96.6  | 79.2  | 118.8  |
| 201     | 139.3 | 69.8  | 104.6# |





#19

n-Nitroso-di-n-propylamine

Concen: 36.30 ng

RT: 8.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampled :

Tot Ion: 70 Resp: 286347

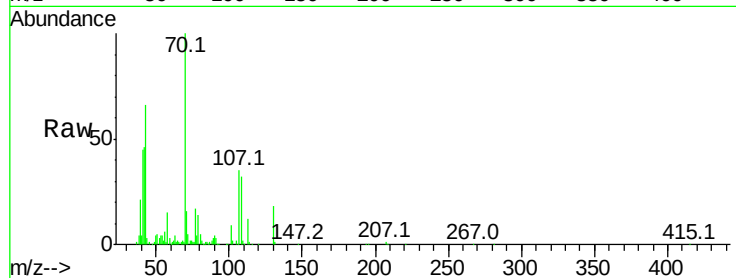
Ion Ratio Lower Upper

70 100

42 45.8 44.5 66.7

101 9.0 7.4 11.2

130 18.4 15.3 22.9

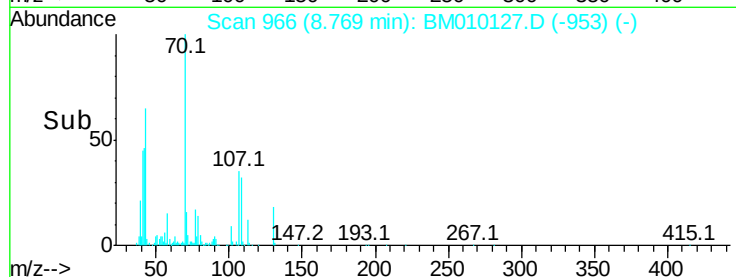
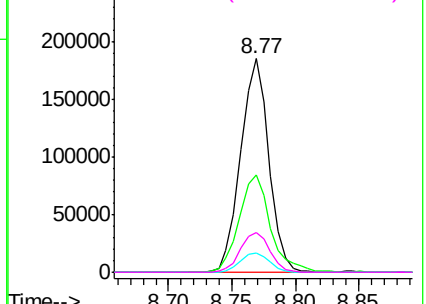


Abundance Ion 70.00 (69.70 to 70.70): BM010069.D (-962) (-)

Ion 42.00 (41.70 to 42.70): BM010069.D (-962) (-)

Ion 101.00 (100.70 to 101.70): BM010069.D (-962) (-)

Ion 130.00 (129.70 to 130.70): BM010069.D (-962) (-)



#20

3+4-Methylphenols

Concen: 34.77 ng

RT: 8.75 min Scan# 963

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion:107 Resp: 393550

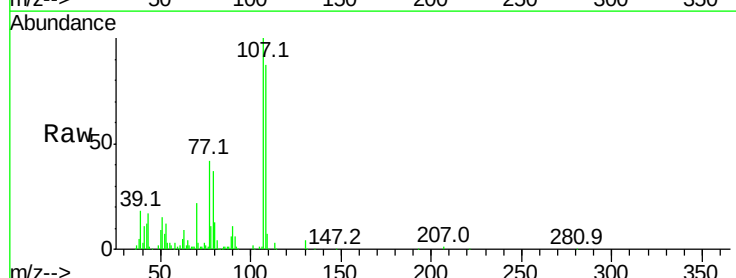
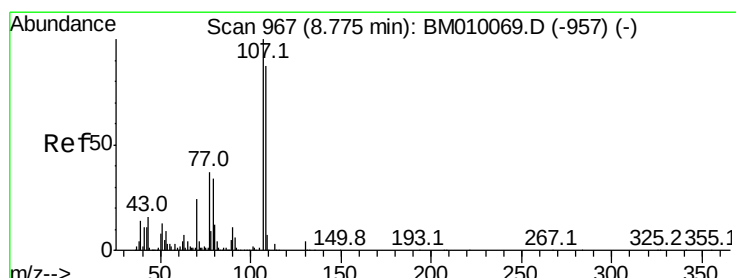
Ion Ratio Lower Upper

107 100

108 86.8 73.2 113.2

77 41.6 10.7 50.7

79 37.1 9.6 49.6

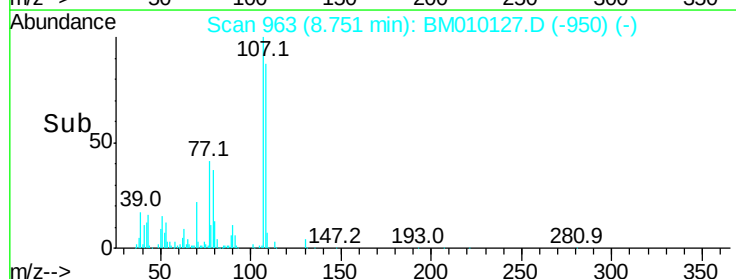
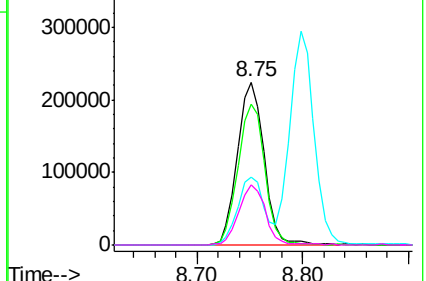


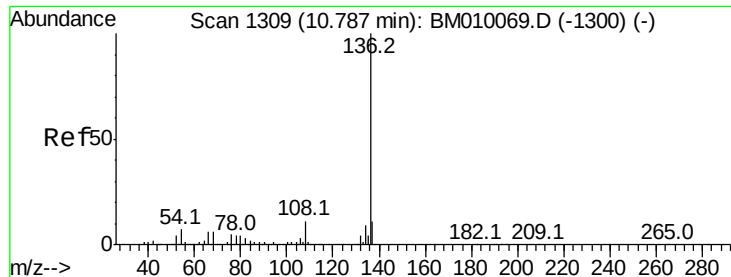
Abundance Ion 107.00 (106.70 to 107.70): BM010069.D (-957) (-)

Ion 108.00 (107.70 to 108.70): BM010069.D (-957) (-)

Ion 77.00 (76.70 to 77.70): BM010069.D (-957) (-)

Ion 79.00 (78.70 to 79.70): BM010069.D (-957) (-)





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:136 Resp: 529892

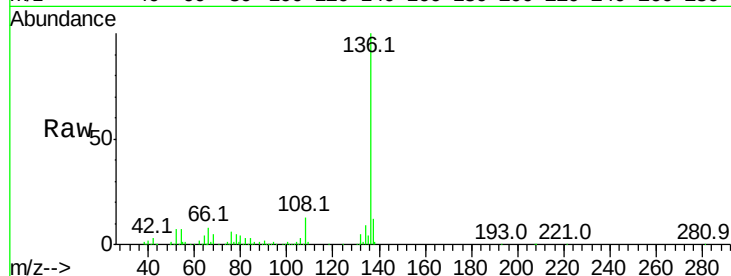
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 6.5 4.6 6.8

68 5.3 3.7 5.5

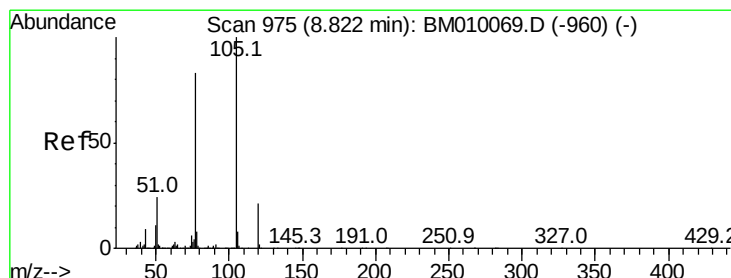
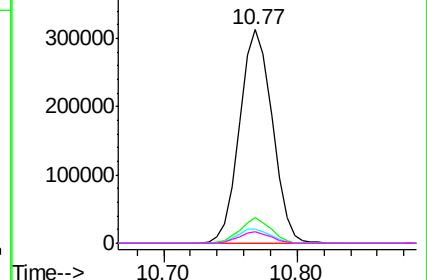
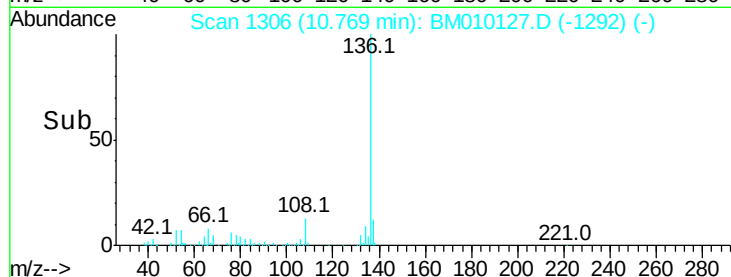


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 39.06 ng

RT: 8.80 min Scan# 971

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion:105 Resp: 530518

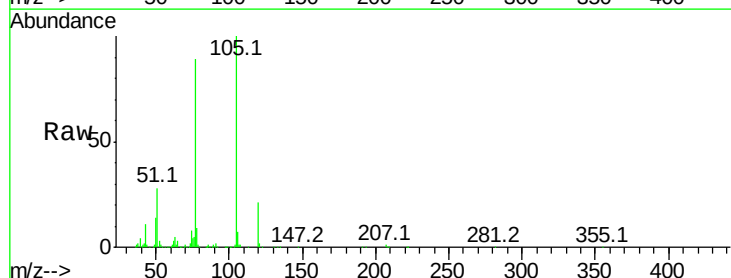
Ion Ratio Lower Upper

105 100

71 0.3 0.6 1.0#

51 28.3 21.6 32.4

120 21.2 16.1 24.1

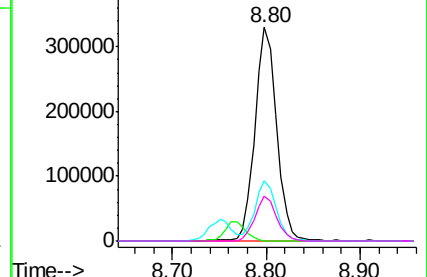
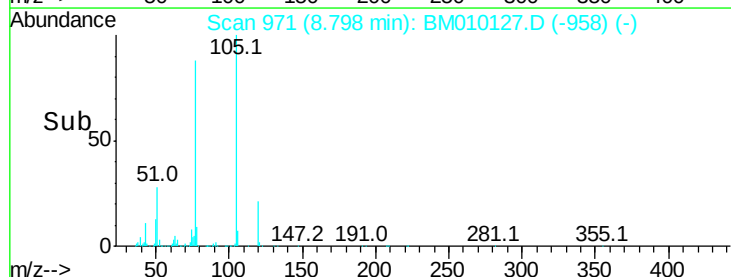


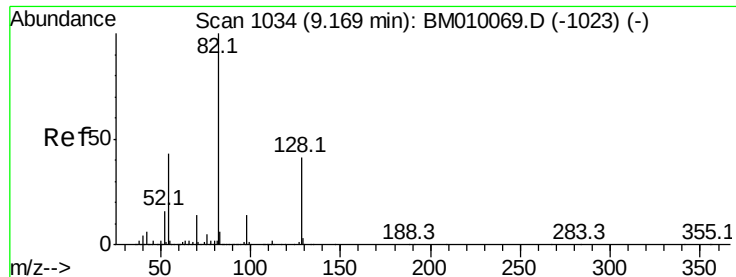
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

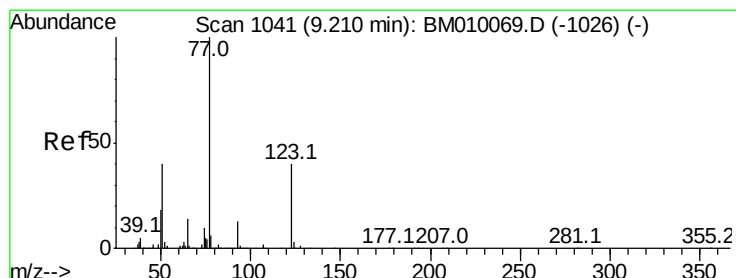
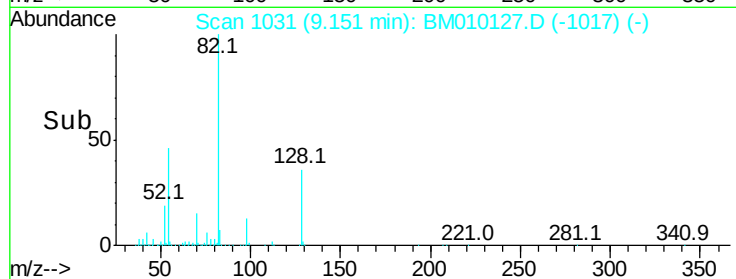
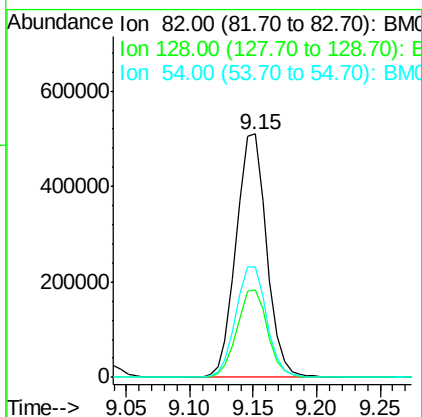
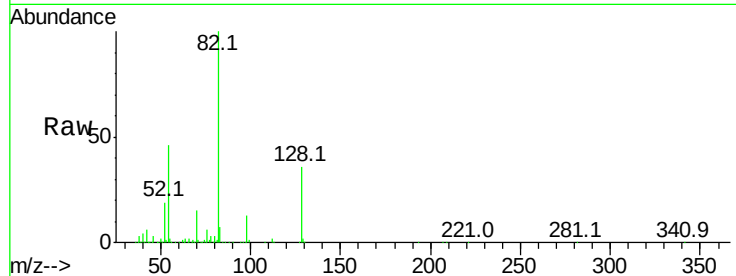




#23  
 Nitrobenzene-d5  
 Concen: 86.82 ng  
 RT: 9.15 min Scan# 1031  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

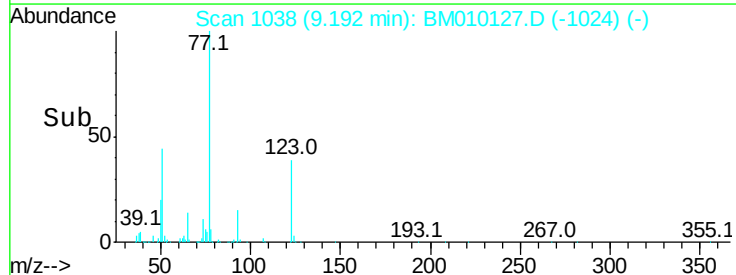
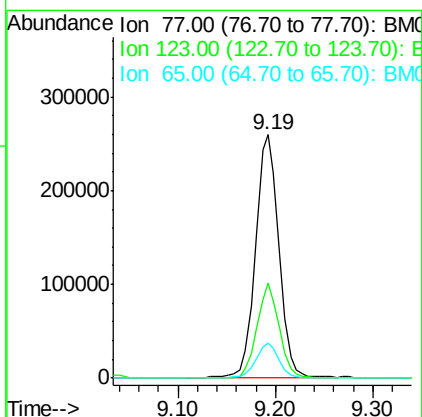
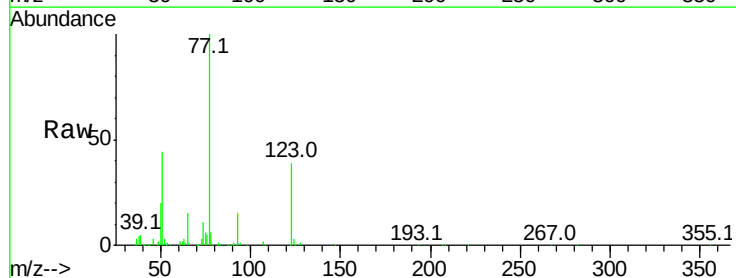
Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | 82    | Resp  | 852730 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 36.0  | 32.8  | 49.2   |
| 54      | 45.6  | 40.6  | 60.8   |

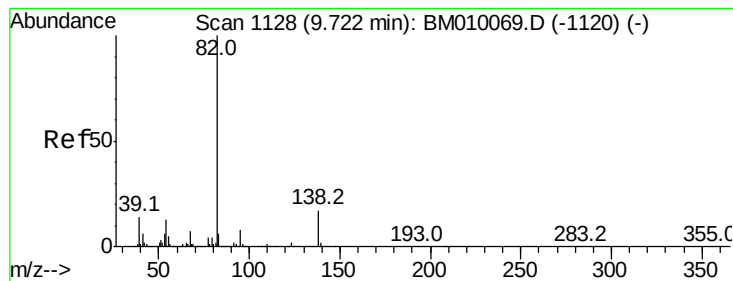


#24  
 Nitrobenzene  
 Concen: 43.24 ng  
 RT: 9.19 min Scan# 1038  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

| Tgt Ion | 77    | Resp  | 437474 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 38.9  | 32.6  | 49.0   |
| 65      | 14.6  | 10.9  | 16.3   |







#25

Isophorone

Concen: 40.73 ng

RT: 9.70 min Scan# 1124

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

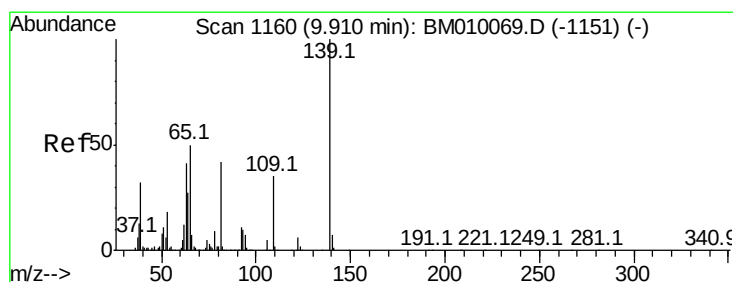
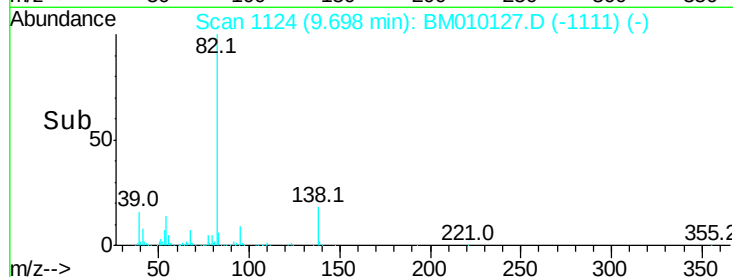
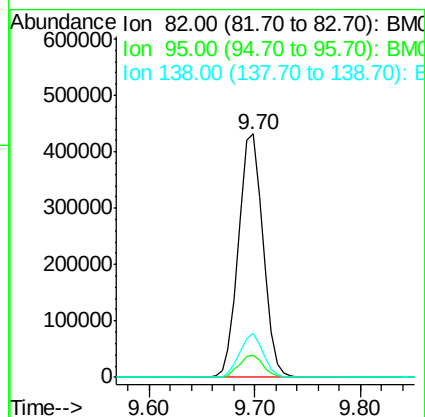
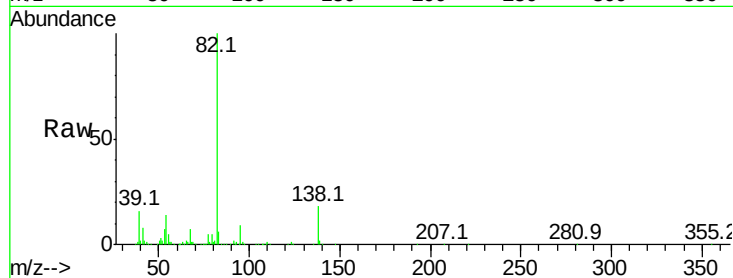
Tot Ion: 82 Resp: 691189

Ion Ratio Lower Upper

82 100

95 9.0 5.8 8.6#

138 17.9 16.3 24.5



#26

2-Nitrophenol

Concen: 39.69 ng

RT: 9.89 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

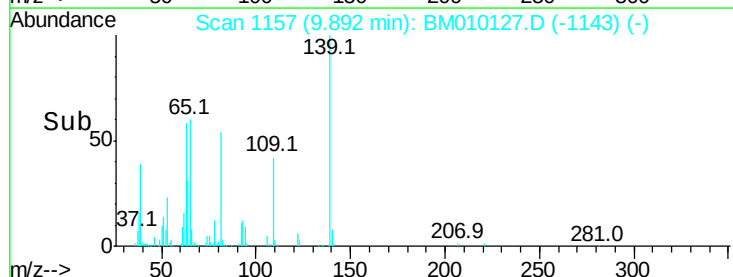
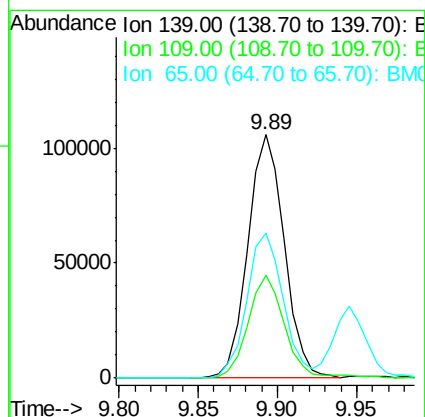
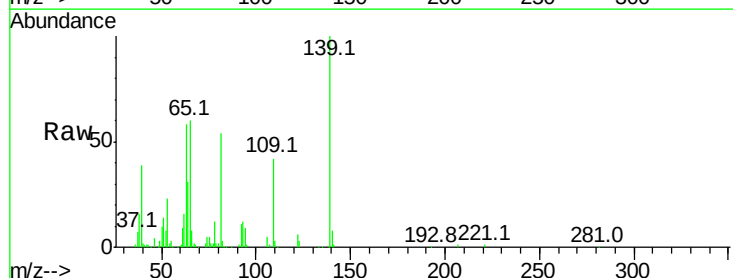
Tgt Ion: 139 Resp: 169270

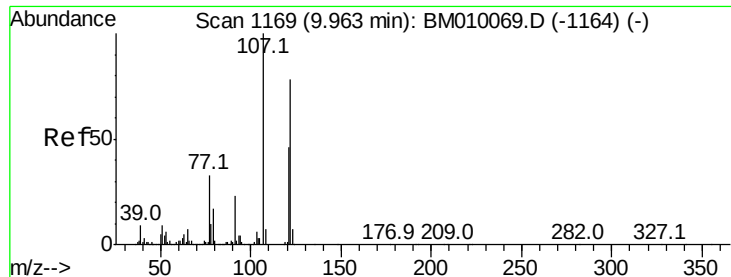
Ion Ratio Lower Upper

139 100

109 42.1 20.1 30.1#

65 59.8 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 37.62 ng

RT: 9.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

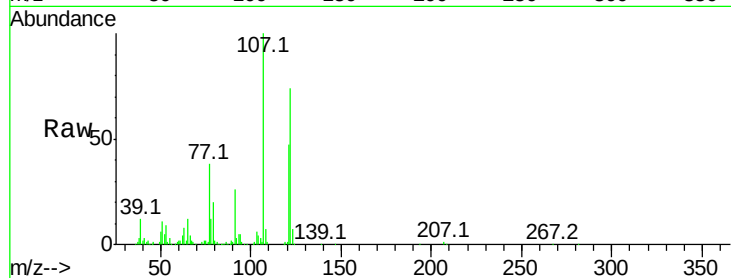
Tot Ion:122 Resp: 289724

Ion Ratio Lower Upper

122 100

107 134.7 84.7 127.1#

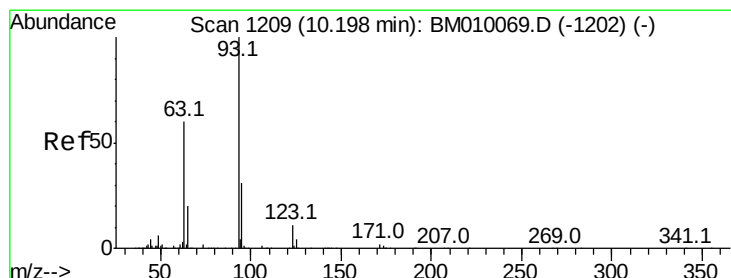
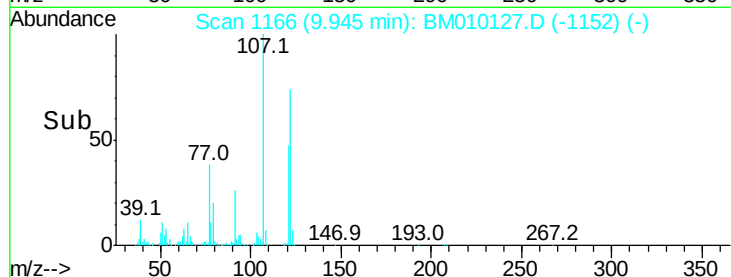
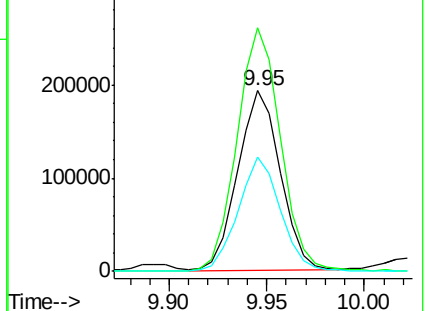
121 63.0 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.18 ng

RT: 10.18 min Scan# 1206

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

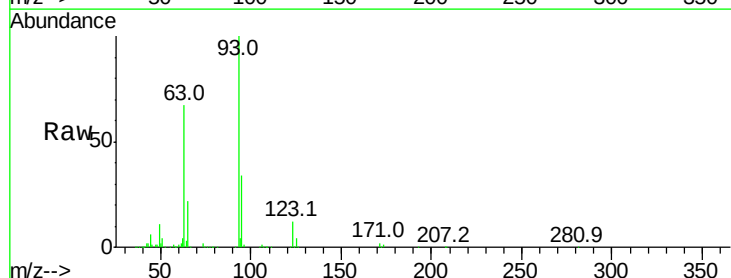
Tgt Ion: 93 Resp: 389708

Ion Ratio Lower Upper

93 100

95 34.0 25.5 38.3

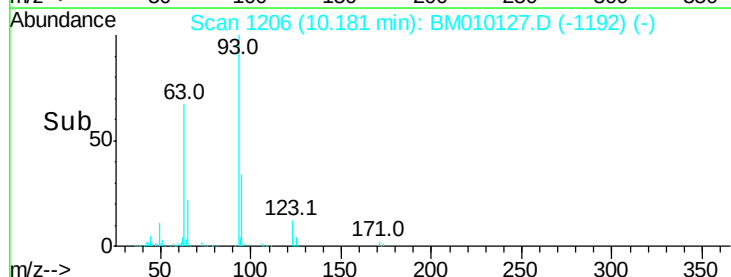
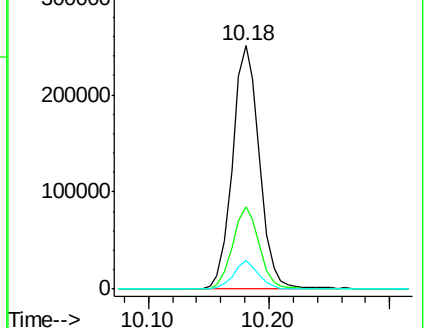
123 11.5 8.6 13.0

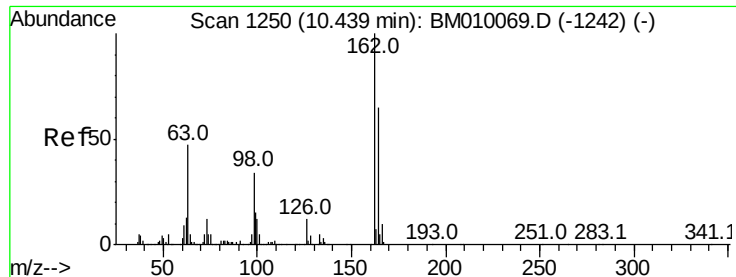


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

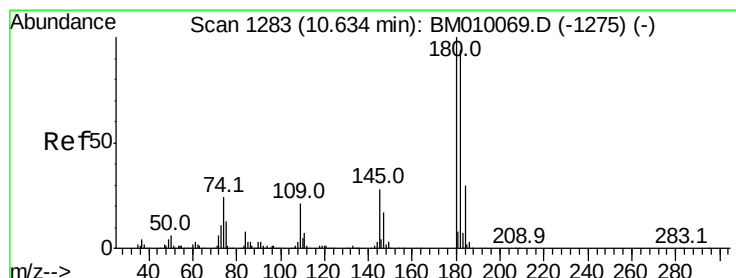
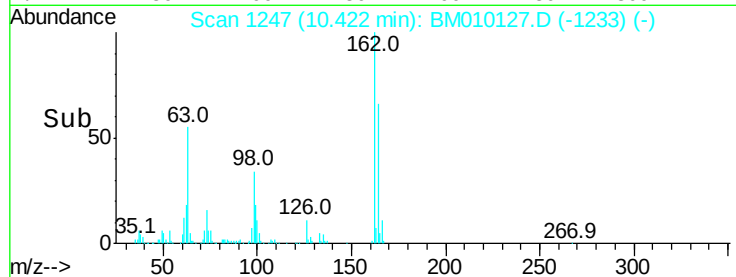
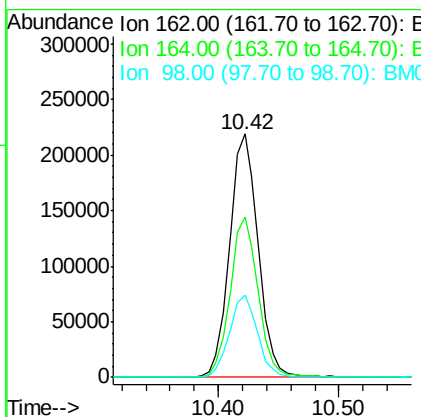
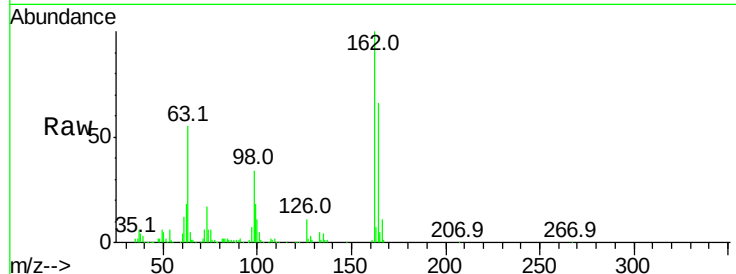




#29  
2,4-Dichlorophenol  
Concen: 40.87 ng  
RT: 10.42 min Scan# 1247  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

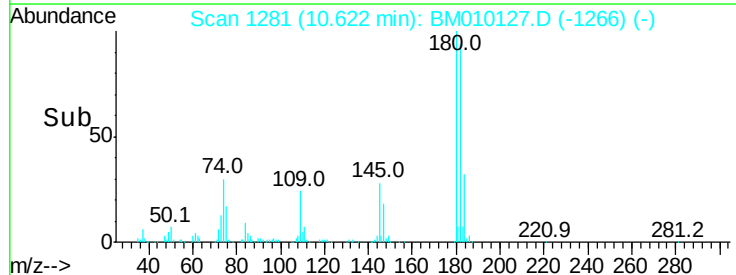
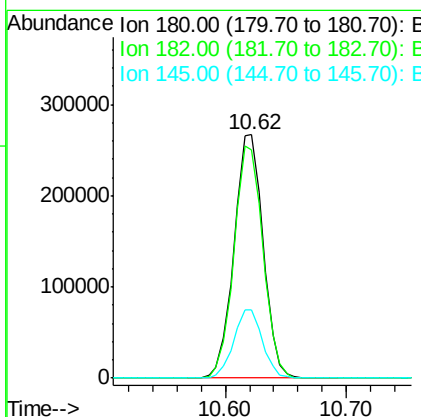
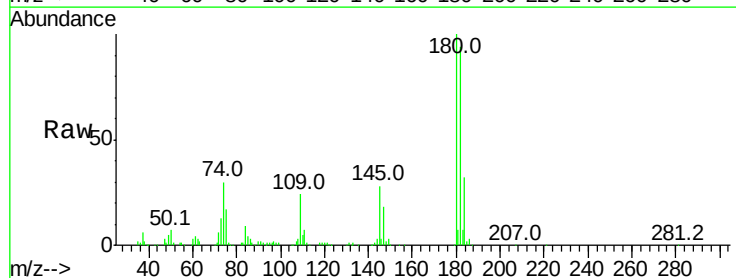
Instrument :  
BNA\_M  
ClientSampled :

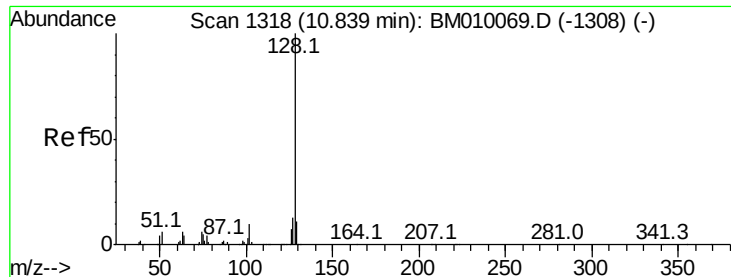
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.7  | 42.8  | 82.8  |
| 98      | 33.7  | 14.5  | 54.5  |



#30  
1,2,4-Trichlorobenzene  
Concen: 39.22 ng  
RT: 10.62 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.6  | 77.6  | 116.4 |
| 145     | 27.8  | 23.4  | 35.2  |

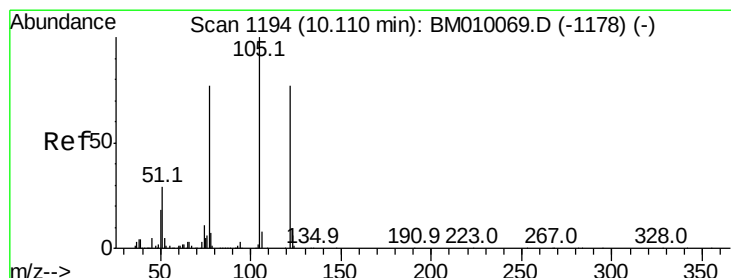
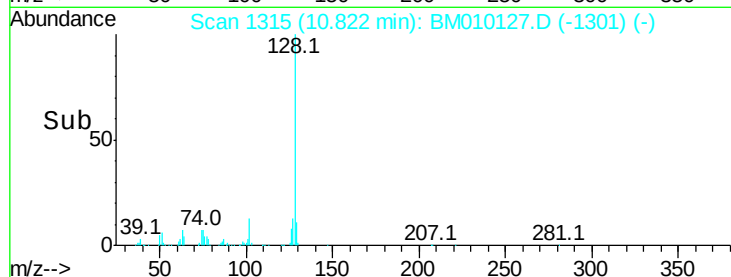
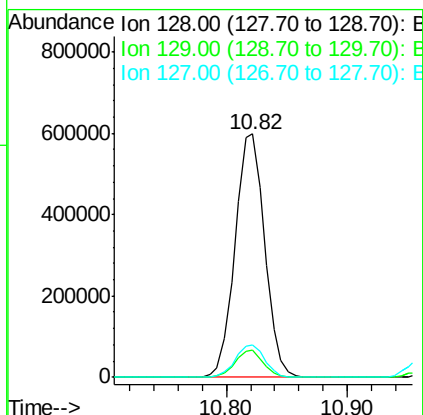
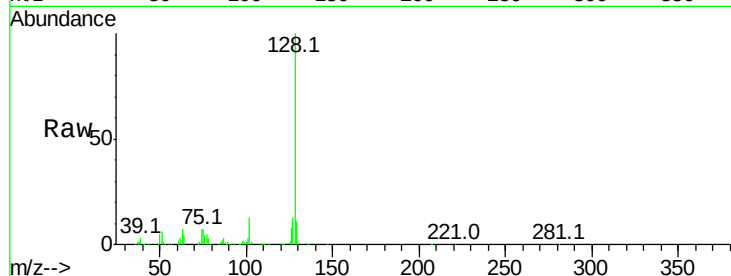




#31  
Naphthalene  
Concen: 36.17 ng  
RT: 10.82 min Scan# 1315  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

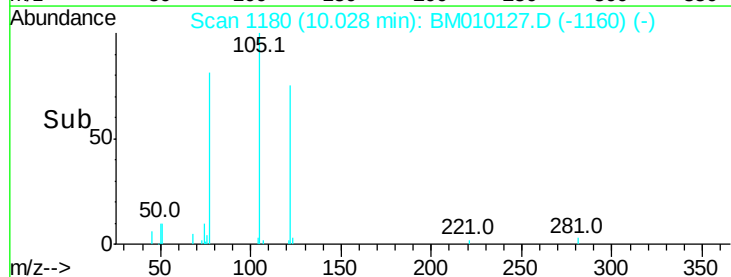
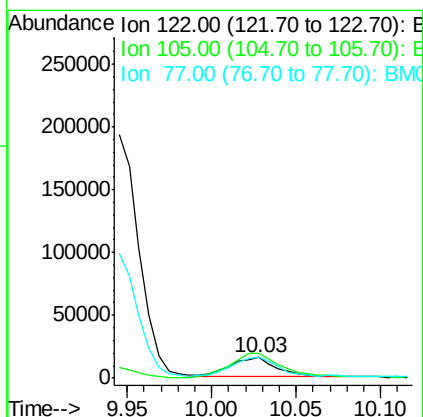
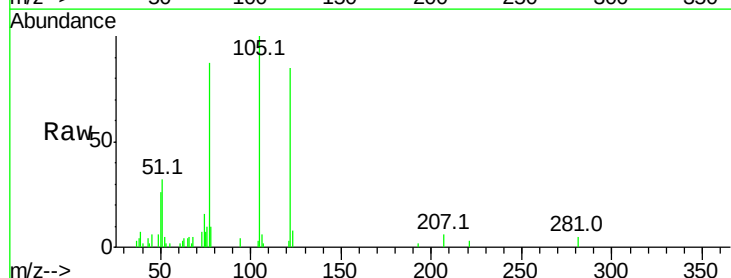
Instrument :  
BNA\_M  
ClientSampleId :

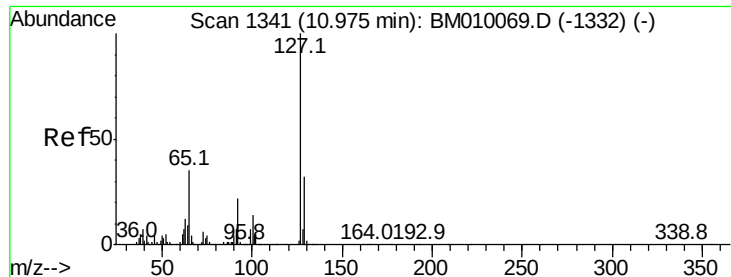
Tot Ion:128 Resp: 1025393  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.9 13.3  
127 13.4 10.4 15.6



#32  
Benzoic acid  
Concen: 5.42 ng  
RT: 10.03 min Scan# 1180  
Delta R.T. -0.08 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:122 Resp: 28432  
Ion Ratio Lower Upper  
122 100  
105 117.9 99.9 139.9  
77 103.1 73.7 113.7

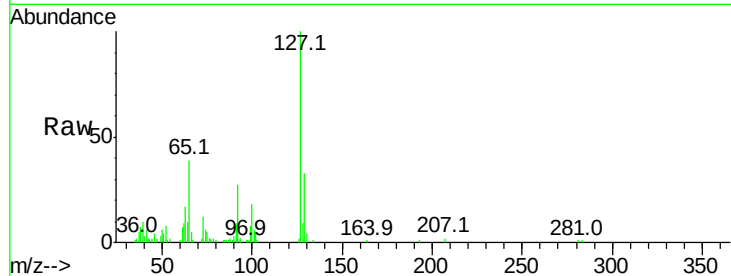




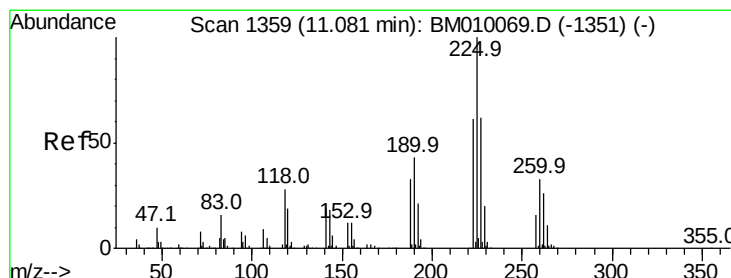
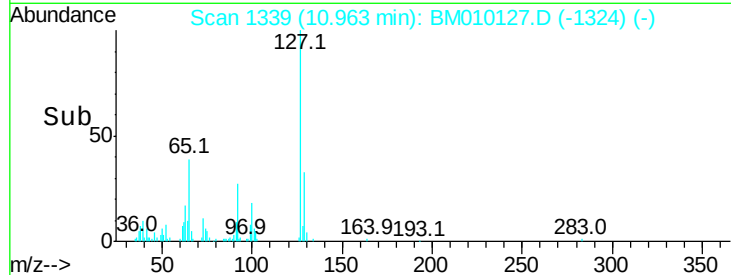
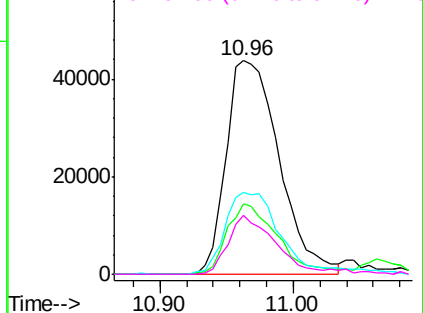
#33  
4-Chloroaniline  
Concen: 11.07 ng  
RT: 10.96 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 120926 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.2  | 25.3  | 37.9   |
| 65       | 38.5  | 17.6  | 26.4   |
| 92       | 27.3  | 13.1  | 19.7   |

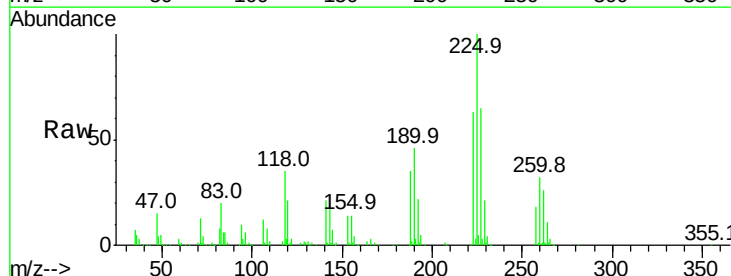


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

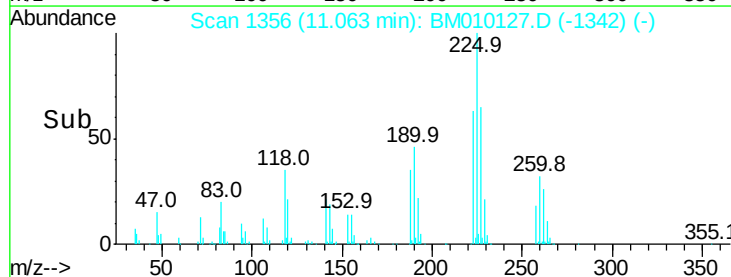
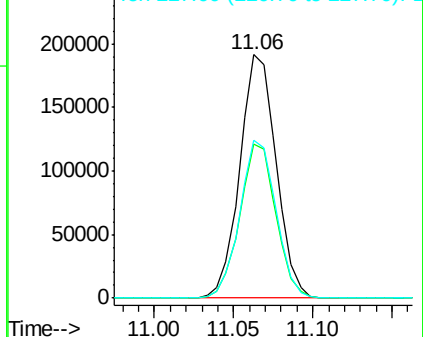


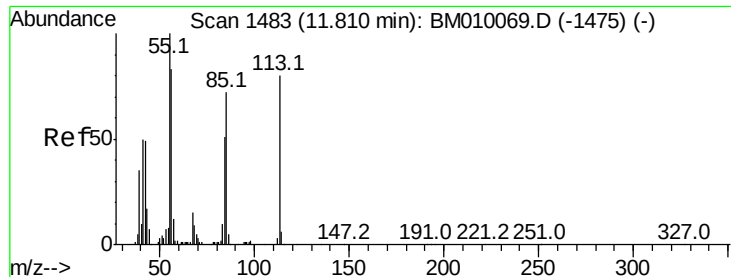
#34  
Hexachlorobutadiene  
Concen: 39.79 ng  
RT: 11.06 min Scan# 1356  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 304498 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 47.9  | 71.9   |
| 227      | 65.0  | 50.1  | 75.1   |



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

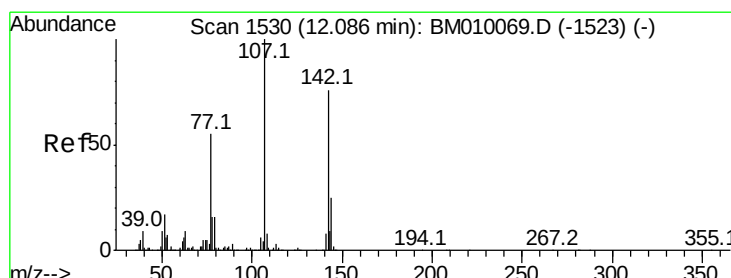
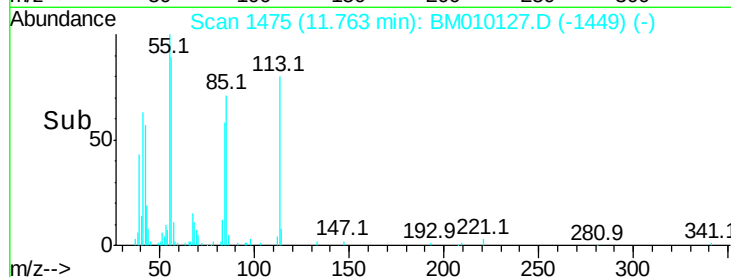
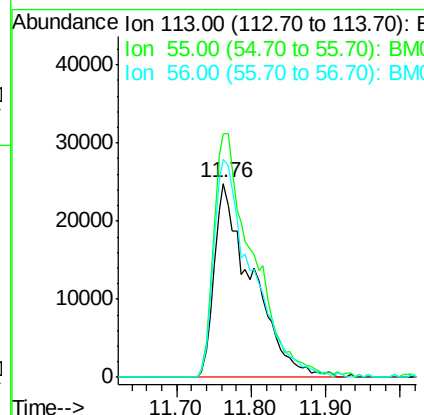
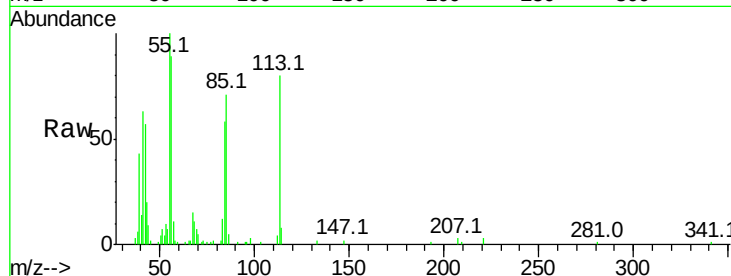




#35  
 Caprolactam  
 Concen: 34.21 ng  
 RT: 11.76 min Scan# 1475  
 Delta R.T. -0.05 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

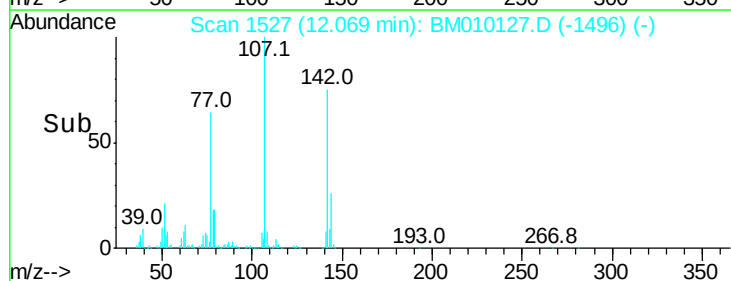
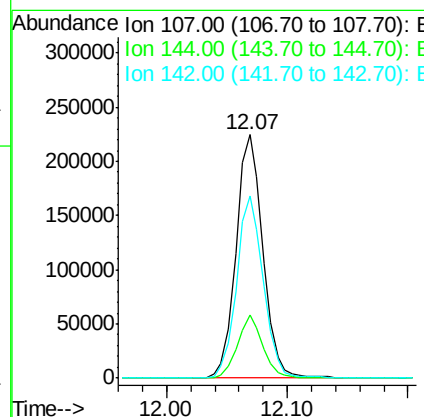
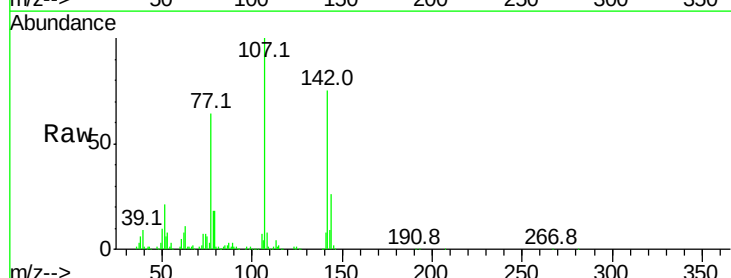
Instrument :  
 BNA\_M  
 ClientSampleId :

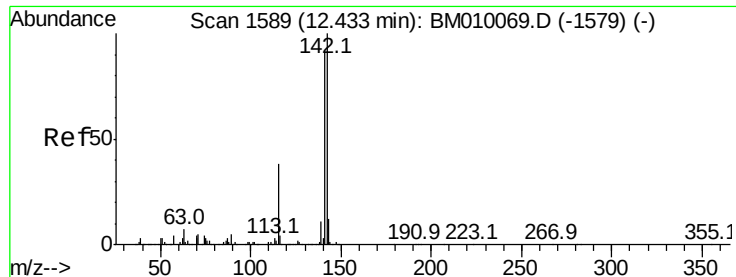
Tot Ion:113 Resp: 87025  
 Ion Ratio Lower Upper  
 113 100  
 55 125.5 145.9 185.9#  
 56 112.3 101.0 141.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 36.24 ng  
 RT: 12.07 min Scan# 1527  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

Tgt Ion:107 Resp: 348008  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 23.3 34.9  
 142 74.7 72.6 109.0

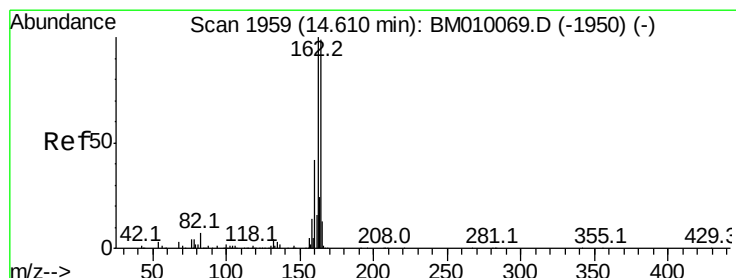
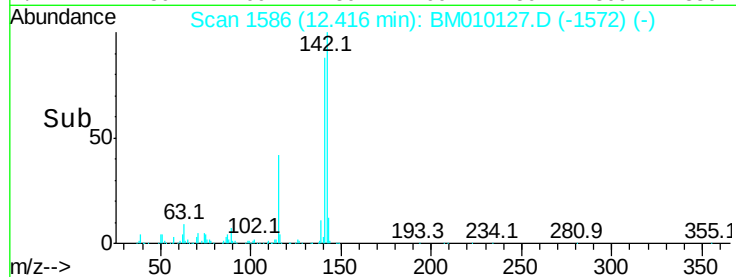
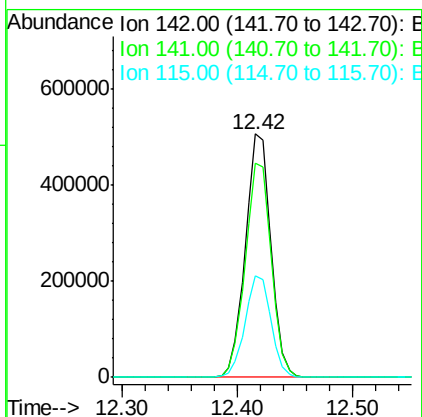
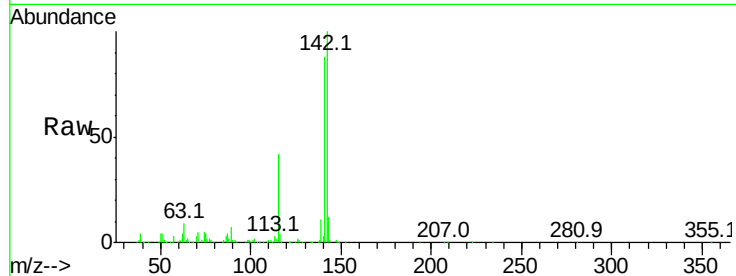




#37  
 2-Methylnaphthalene  
 Concen: 38.14 ng  
 RT: 12.42 min Scan# 1586  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

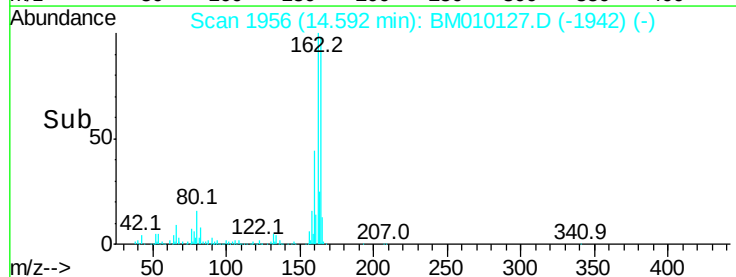
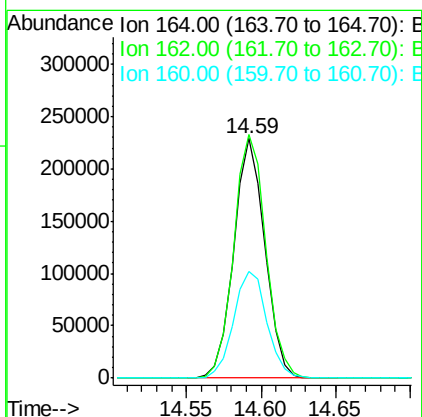
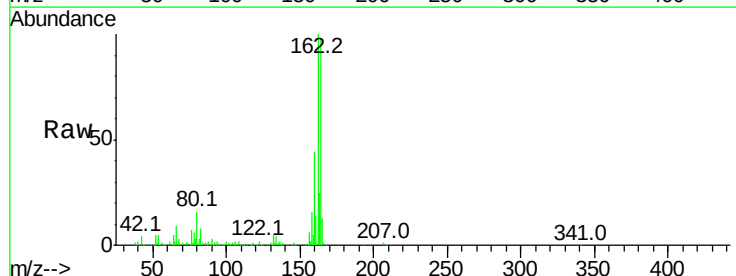
Instrument :  
 BNA\_M  
 ClientSampleId :

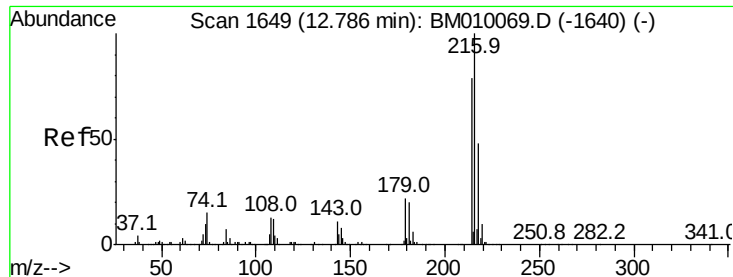
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 71.9  | 107.9 |
| 115     | 41.8  | 25.4  | 38.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.59 min Scan# 1956  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 82.4  | 123.6 |
| 160     | 44.8  | 35.8  | 53.6  |

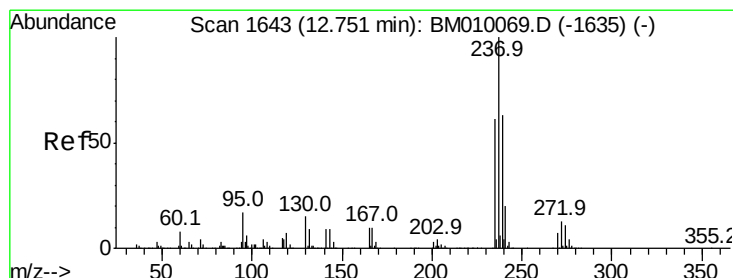
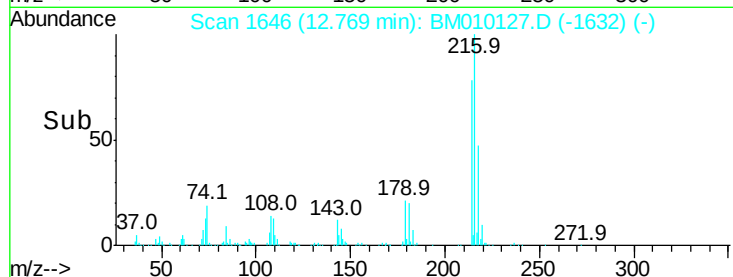
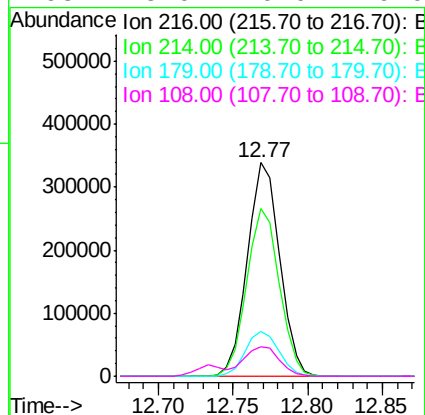
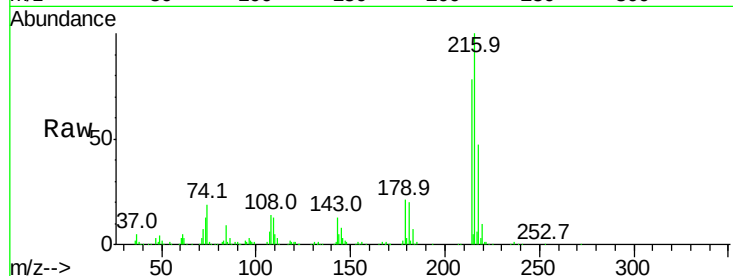




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.83 ng  
 RT: 12.77 min Scan# 1646  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

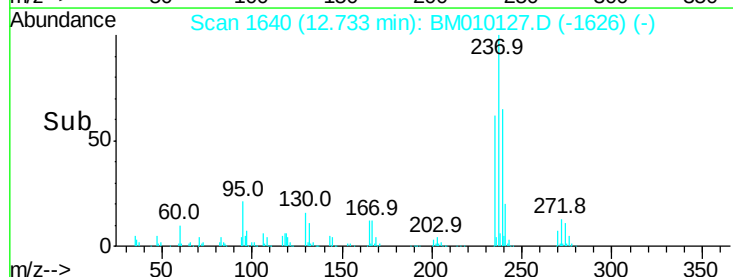
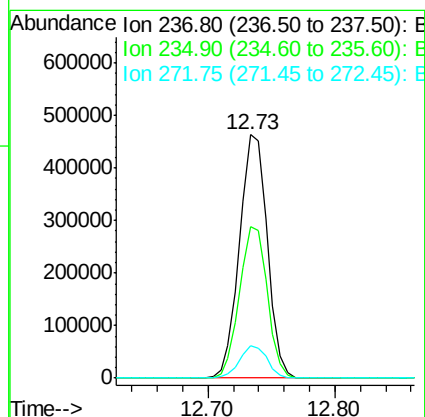
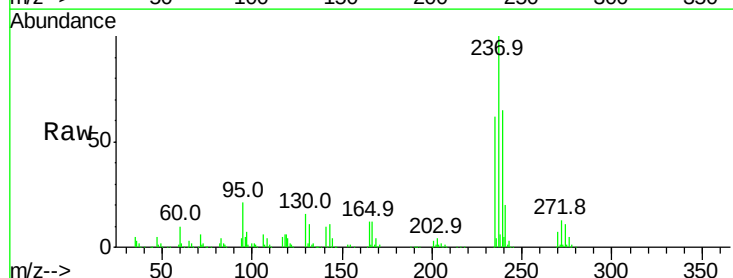
Instrument :  
 BNA\_M  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 507792 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.2  | 0.0   | 0.0#   |
| 179      | 21.8  | 0.0   | 0.0#   |
| 108      | 15.0  | 0.0   | 0.0#   |

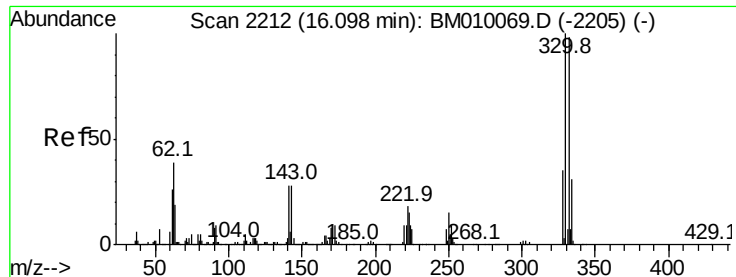


#40  
 Hexachlorocyclopentadiene  
 Concen: 95.65 ng  
 RT: 12.73 min Scan# 1640  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 704013 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.4  | 42.0  | 82.0   |
| 272      | 13.1  | 0.0   | 33.4   |



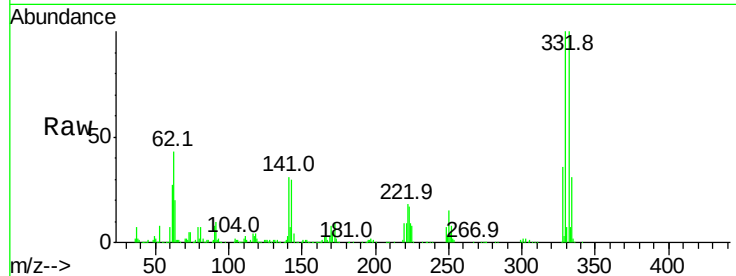




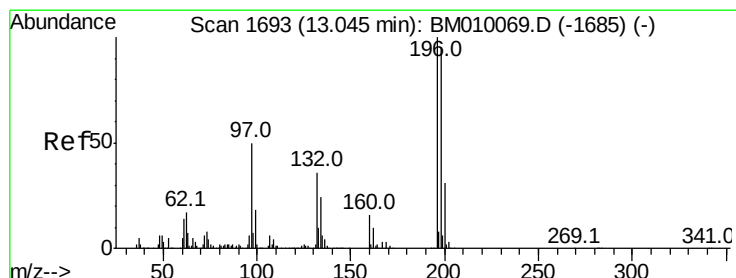
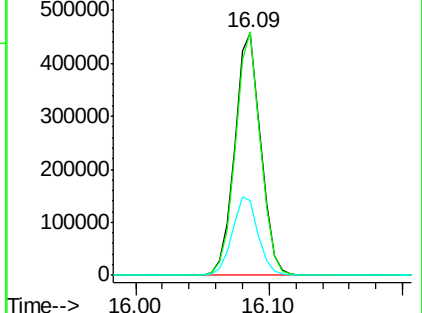
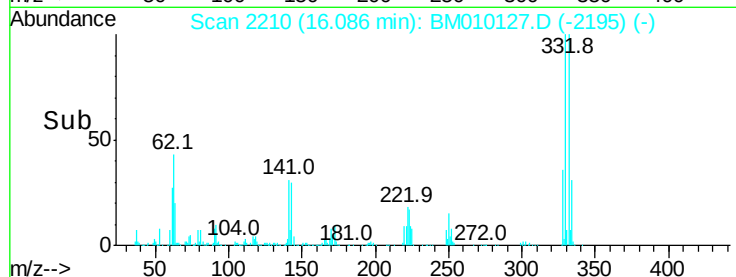
#41  
2,4,6-Tribromophenol  
Concen: 122.59 ng  
RT: 16.09 min Scan# 2210  
Delta R.T. -0.01 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:330 Resp: 617198  
Ion Ratio Lower Upper  
330 100  
332 96.7 0.0 0.0#  
141 32.6 0.0 0.0#

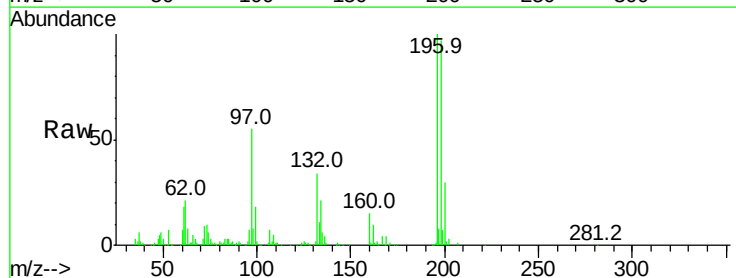


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

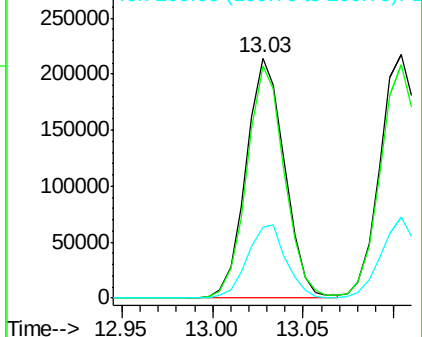
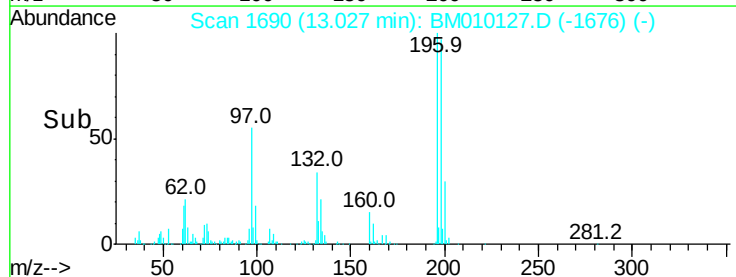


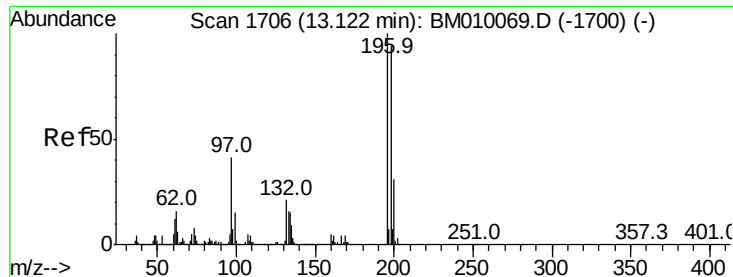
#42  
2,4,6-Trichlorophenol  
Concen: 42.00 ng  
RT: 13.03 min Scan# 1690  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:196 Resp: 315362  
Ion Ratio Lower Upper  
196 100  
198 96.7 76.3 114.5  
200 29.7 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

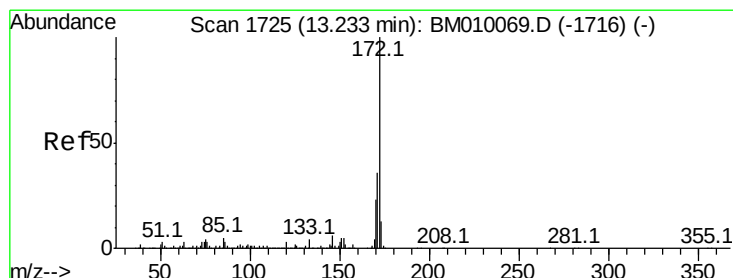
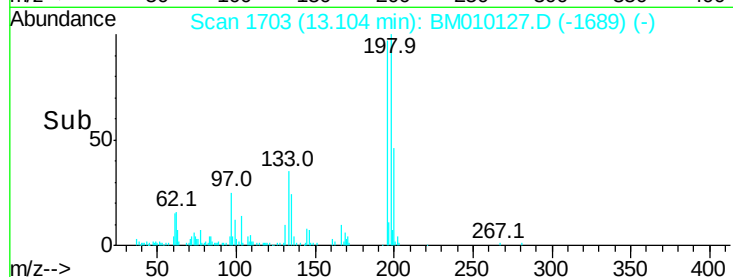
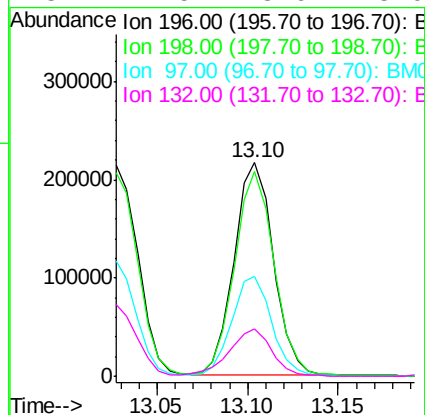
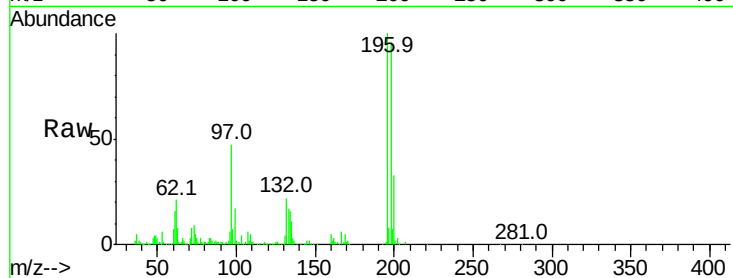




#43  
2,4,5-Trichlorophenol  
Concen: 39.40 ng  
RT: 13.10 min Scan# 1703  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

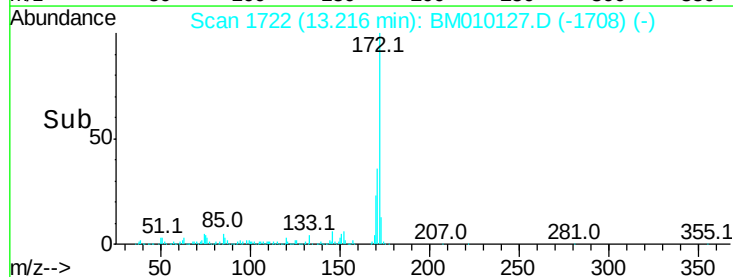
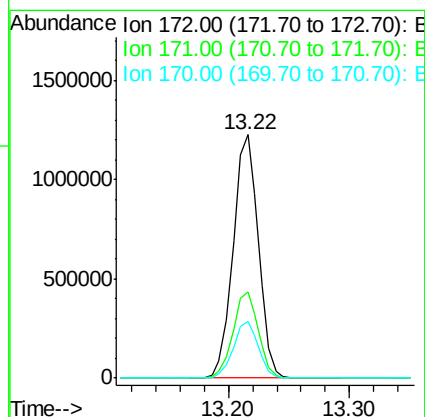
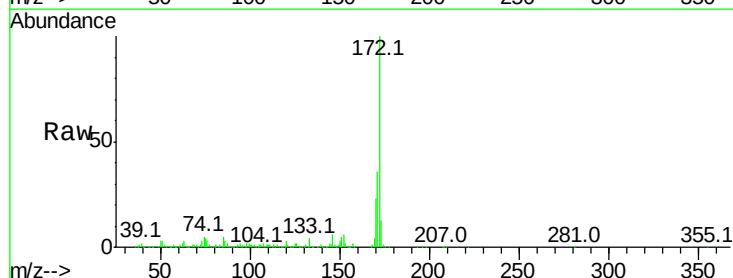
Instrument :  
BNA\_M  
ClientSampleId :

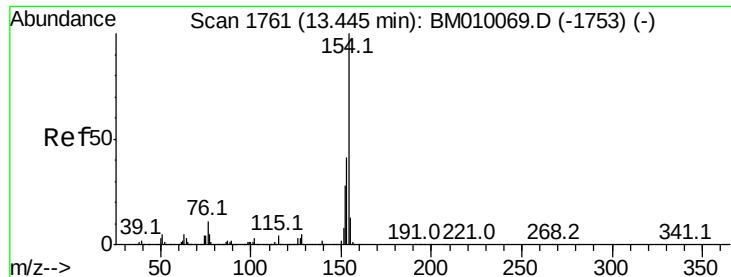
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.9  | 79.4  | 119.0 |
| 97      | 47.0  | 26.8  | 40.2  |
| 132     | 22.5  | 18.6  | 28.0  |



#44  
2-Fluorobiphenyl  
Concen: 68.99 ng  
RT: 13.22 min Scan# 1722  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |

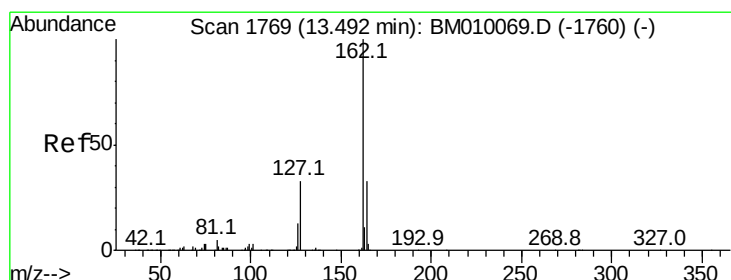
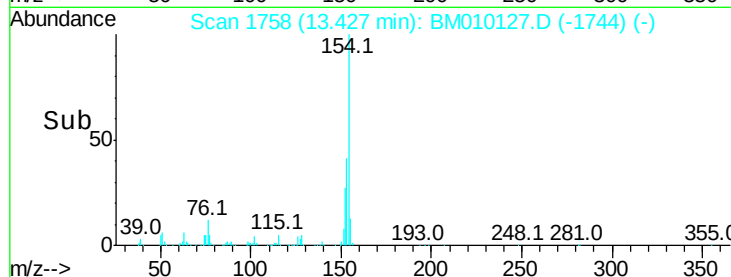
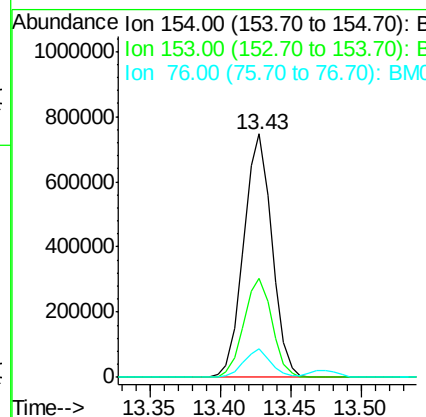
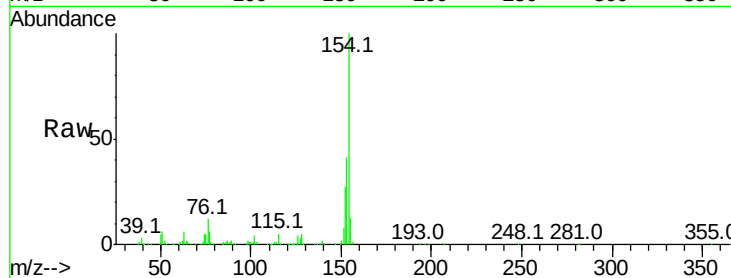




#45  
 1,1'-Biphenyl  
 Concen: 38.45 ng  
 RT: 13.43 min Scan# 1758  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

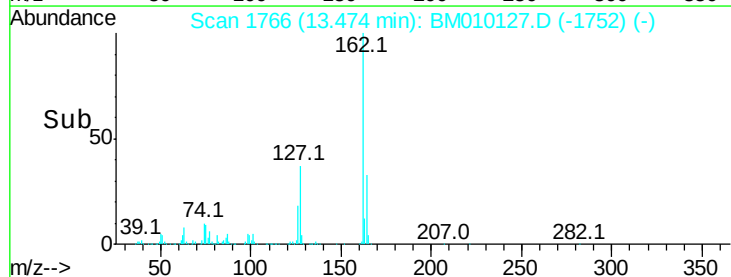
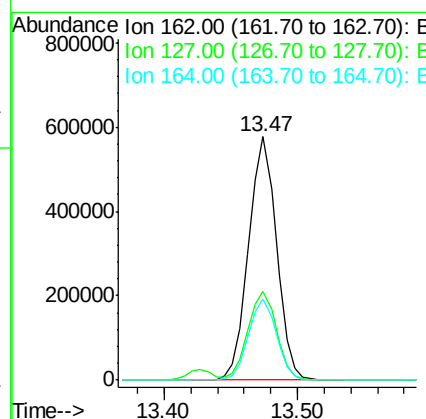
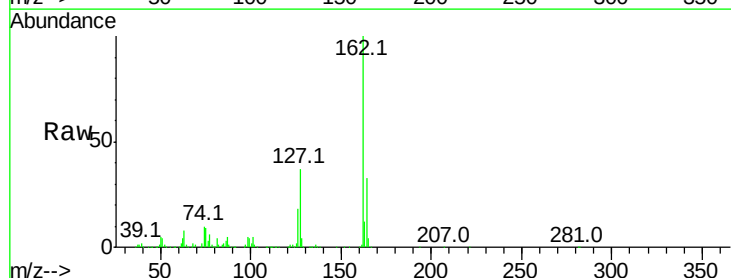
Instrument :  
 BNA\_M  
 ClientSampleId :

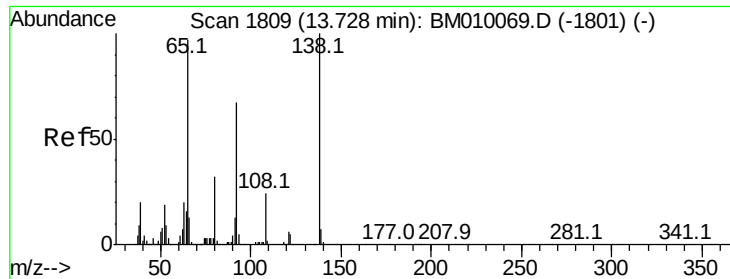
Tot Ion:154 Resp: 1048198  
 Ion Ratio Lower Upper  
 154 100  
 153 40.6 20.7 60.7  
 76 11.7 0.0 30.9



#46  
 2-Chloronaphthalene  
 Concen: 37.67 ng  
 RT: 13.47 min Scan# 1766  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

Tgt Ion:162 Resp: 831450  
 Ion Ratio Lower Upper  
 162 100  
 127 36.6 26.9 40.3  
 164 33.4 26.8 40.2

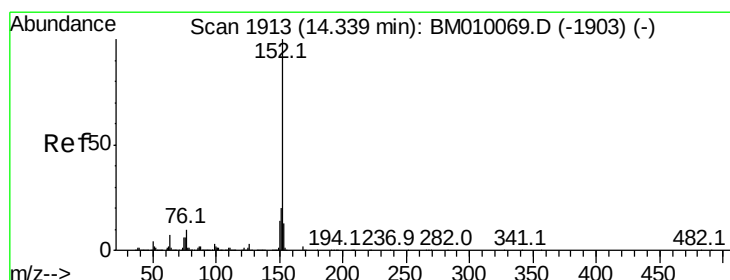
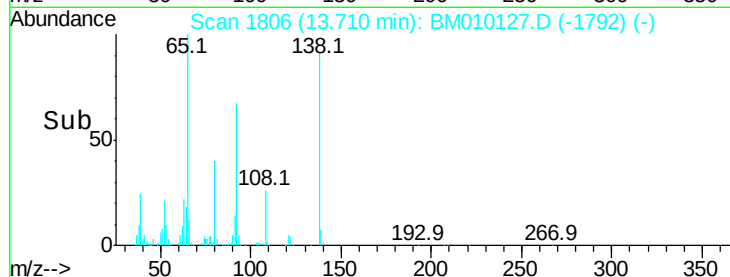
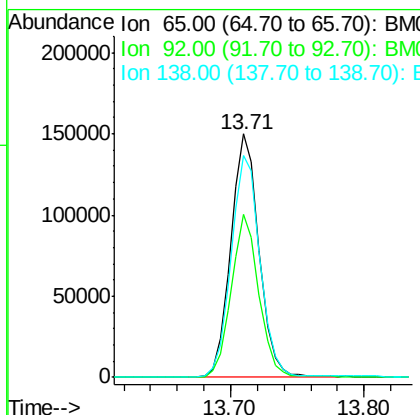
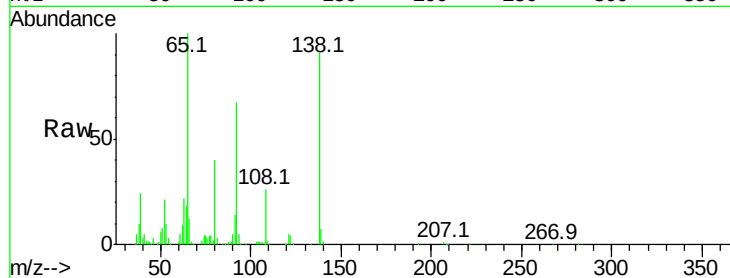




#47  
2-Nitroaniline  
Concen: 39.20 ng  
RT: 13.71 min Scan# 1806  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

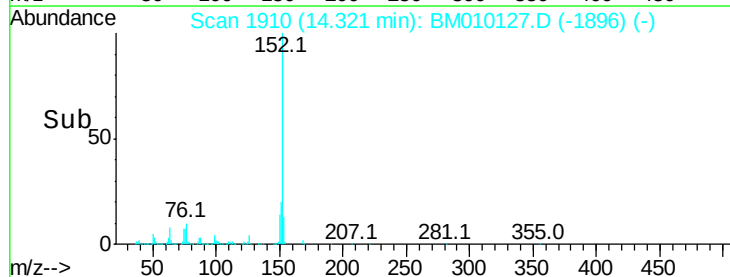
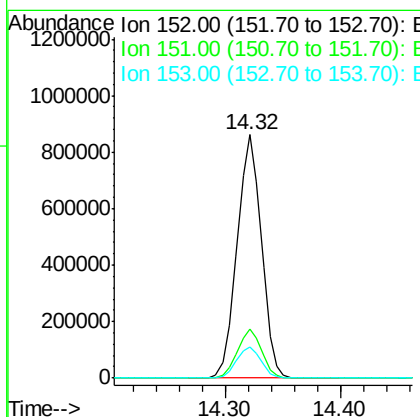
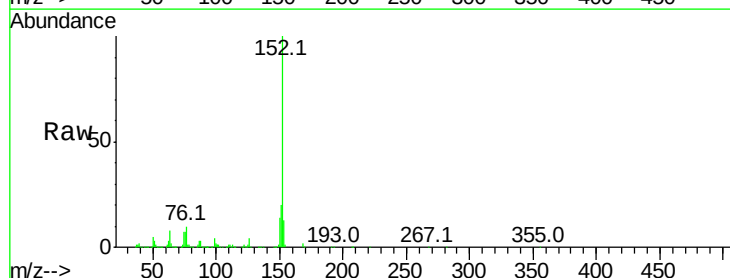
Instrument :  
BNA\_M  
ClientSampleId :

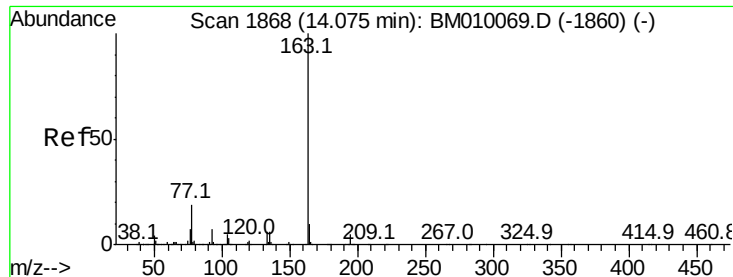
Tot Ion: 65 Resp: 222464  
Ion Ratio Lower Upper  
65 100  
92 67.2 59.1 88.7  
138 91.3 93.9 140.9#



#48  
Acenaphthylene  
Concen: 38.42 ng  
RT: 14.32 min Scan# 1910  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion: 152 Resp: 1254020  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.9 23.9  
153 12.8 10.6 16.0

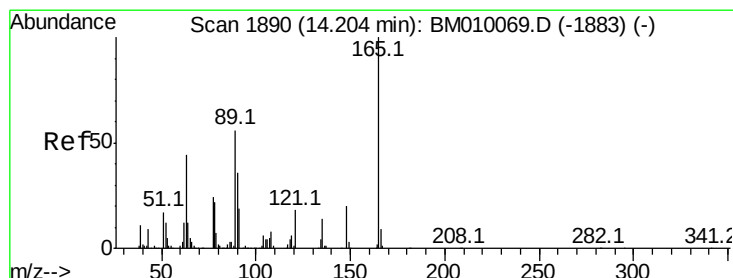
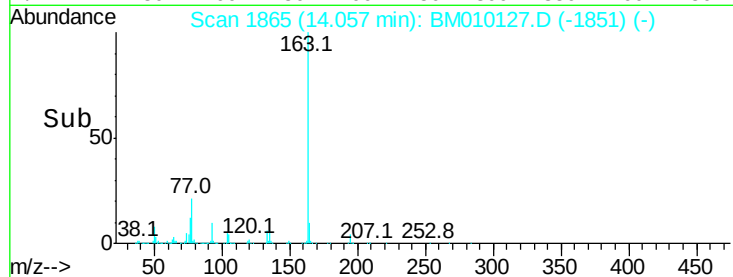
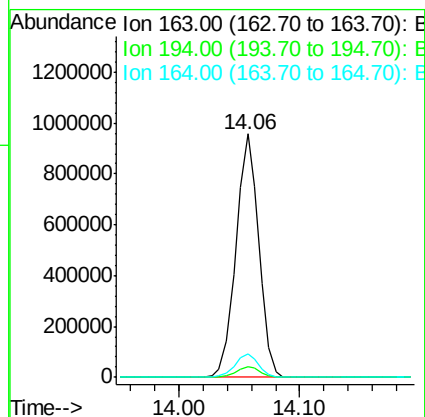
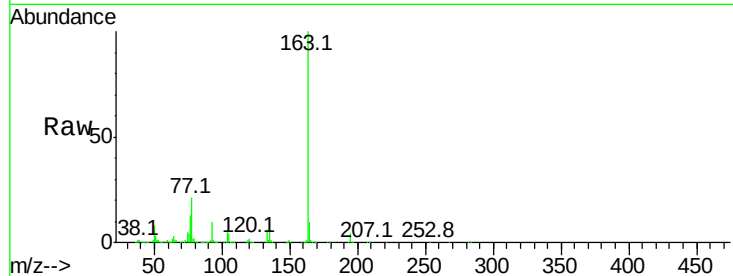




#49  
Dimethylphthalate  
Concen: 42.52 ng  
RT: 14.06 min Scan# 1865  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

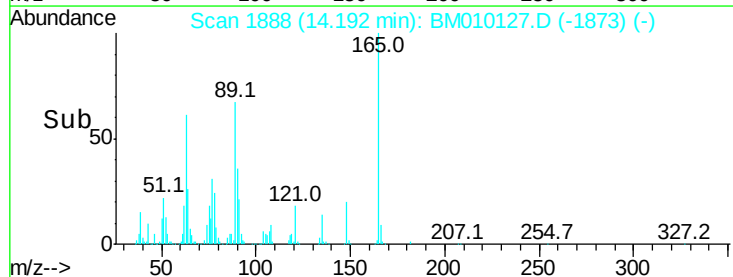
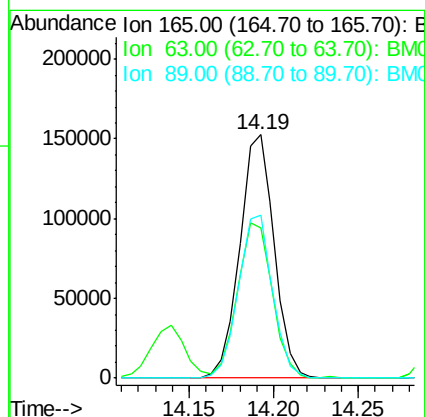
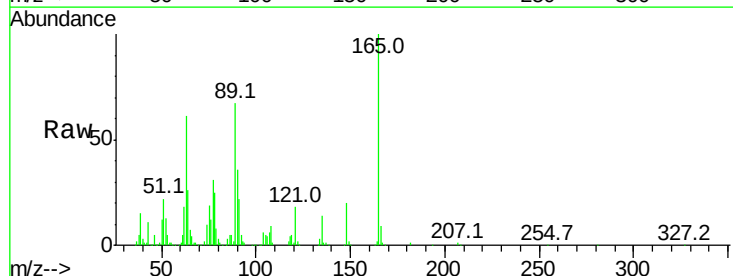
Instrument :  
BNA\_M  
ClientSampleId :

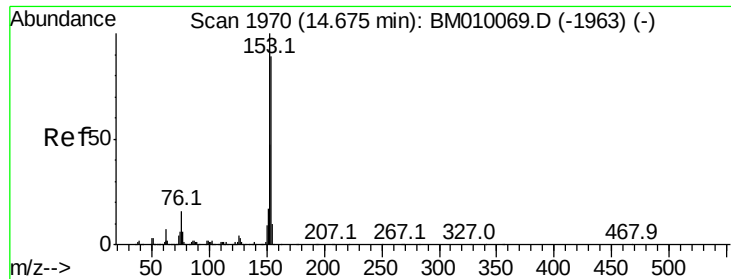
Tot Ion:163 Resp: 1257366  
Ion Ratio Lower Upper  
163 100  
194 4.3 2.7 4.1#  
164 9.9 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 38.49 ng  
RT: 14.19 min Scan# 1888  
Delta R.T. -0.01 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:165 Resp: 216136  
Ion Ratio Lower Upper  
165 100  
63 61.5 44.1 66.1  
89 66.8 44.3 66.5#





#51

Acenaphthene

Concen: 37.72 ng

RT: 14.66 min Scan# 1967

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

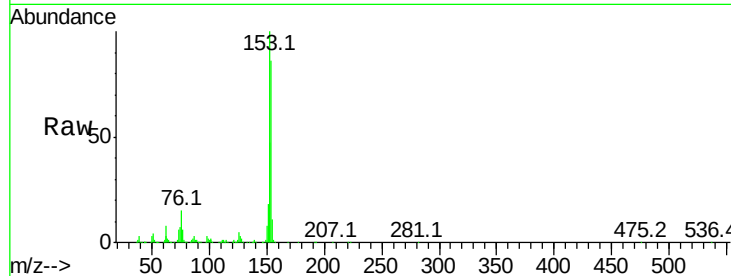
Tot Ion:154 Resp: 765212

Ion Ratio Lower Upper

154 100

153 116.0 90.0 135.0

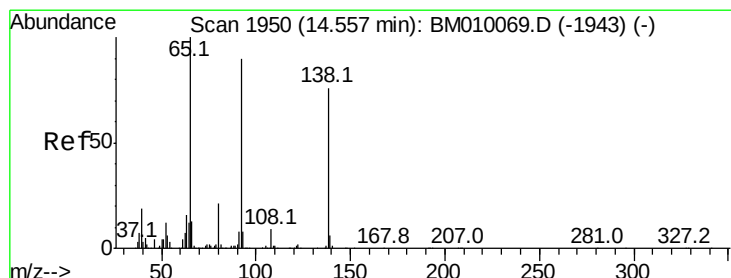
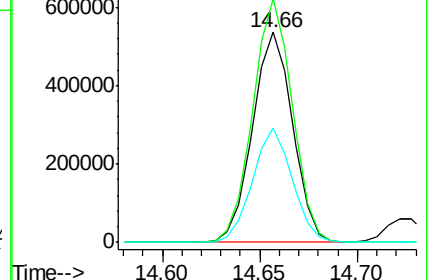
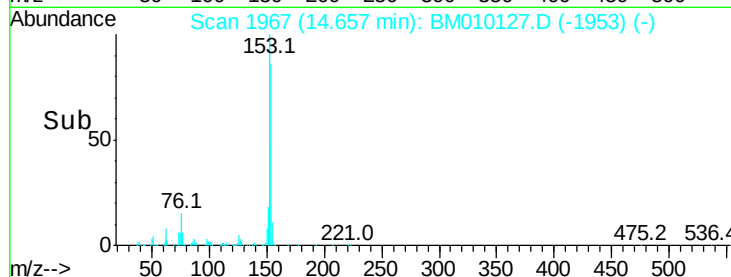
152 54.4 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.94 ng

RT: 14.54 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

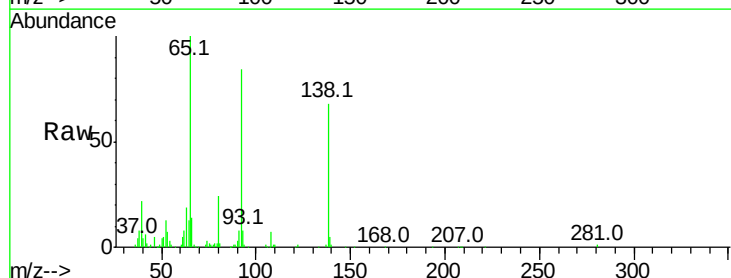
Tgt Ion:138 Resp: 177132

Ion Ratio Lower Upper

138 100

108 11.0 7.3 10.9#

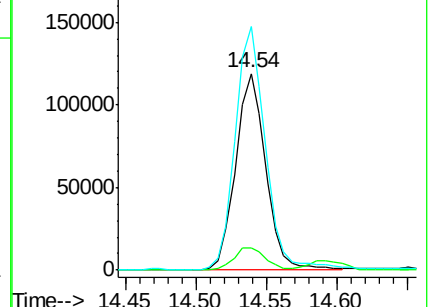
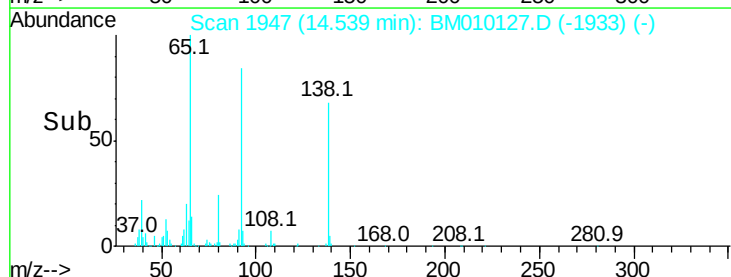
92 123.7 76.6 114.8#

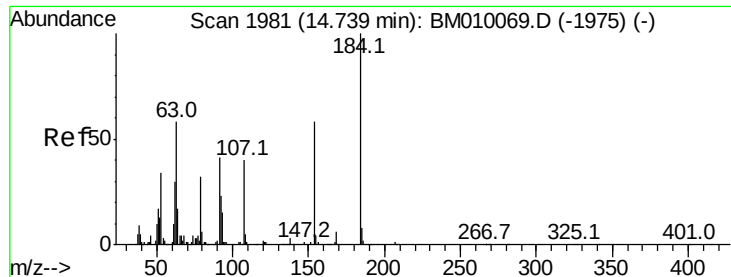


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

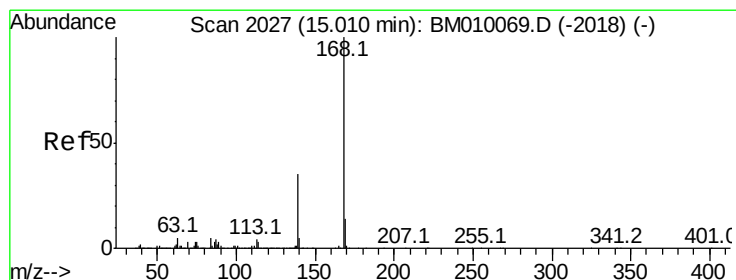
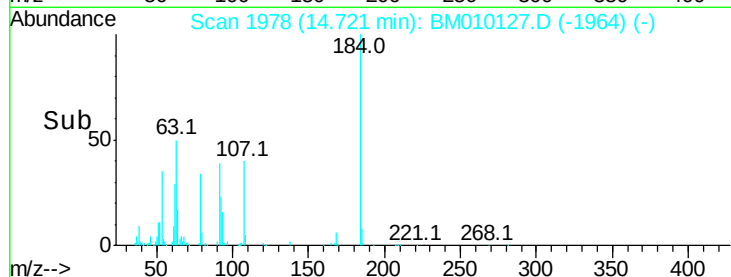
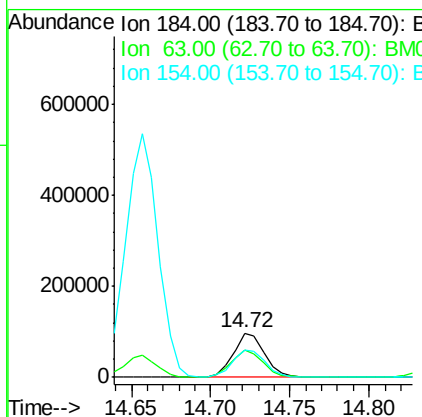
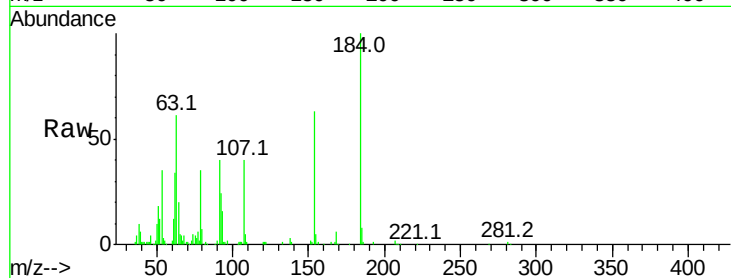




#53  
2,4-Dinitrophenol  
Concen: 39.38 ng  
RT: 14.72 min Scan# 1978  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

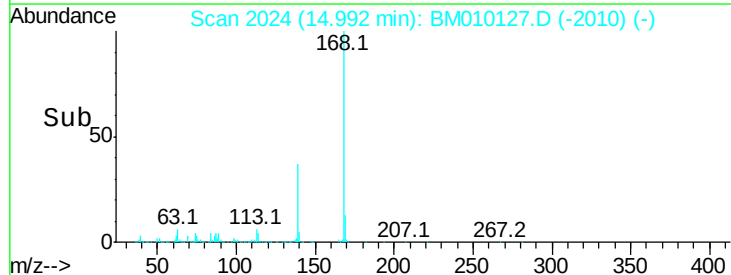
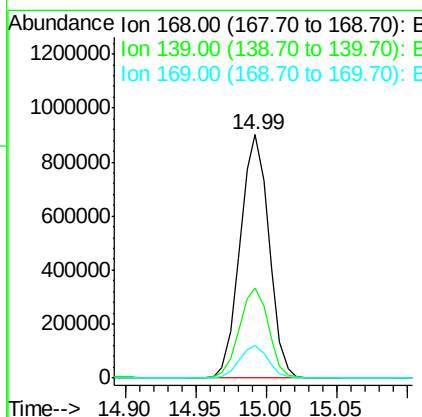
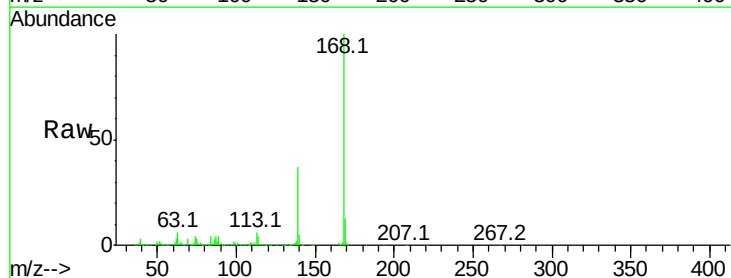
Instrument :  
BNA\_M  
ClientSampleId :

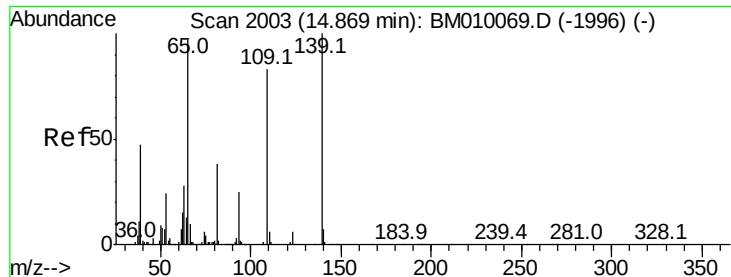
Tot Ion:184 Resp: 133875  
Ion Ratio Lower Upper  
184 100  
63 60.9 69.2 103.8#  
154 62.8 53.3 79.9



#54  
Dibenzofuran  
Concen: 40.44 ng  
RT: 14.99 min Scan# 2024  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:168 Resp: 1290238  
Ion Ratio Lower Upper  
168 100  
139 37.0 27.3 40.9  
169 13.1 10.6 16.0

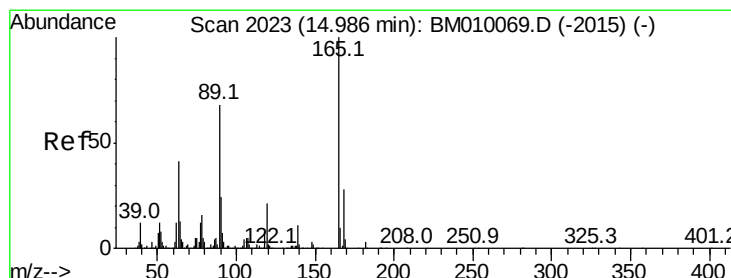
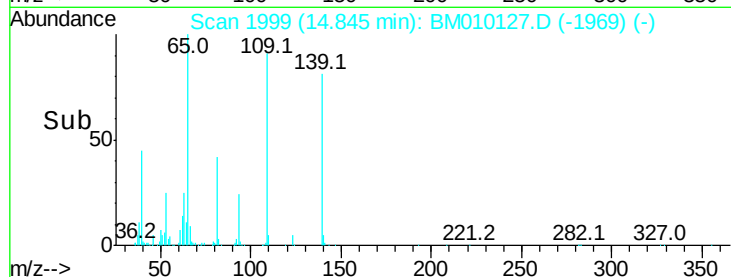
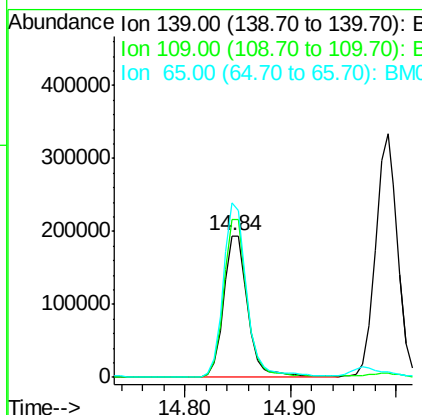
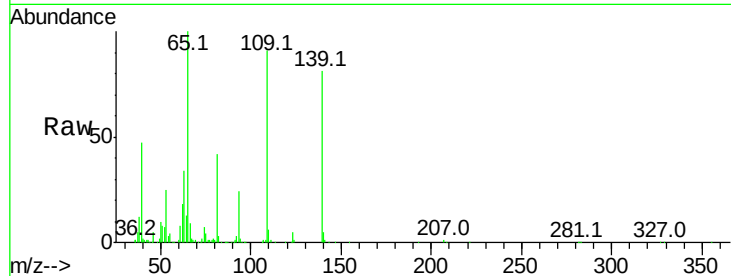




#55  
4-Nitrophenol  
Concen: 73.70 ng  
RT: 14.84 min Scan# 1999  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

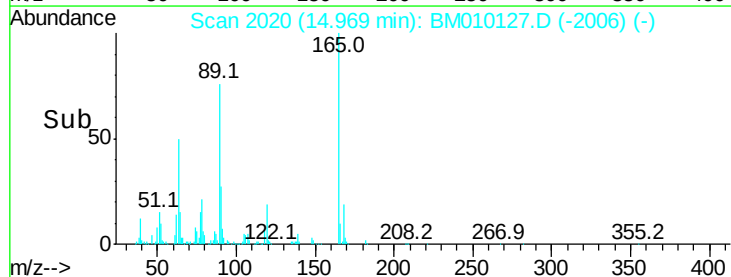
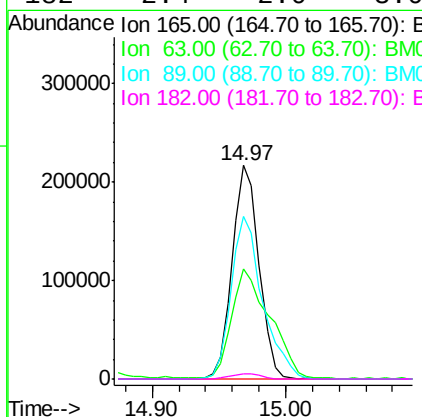
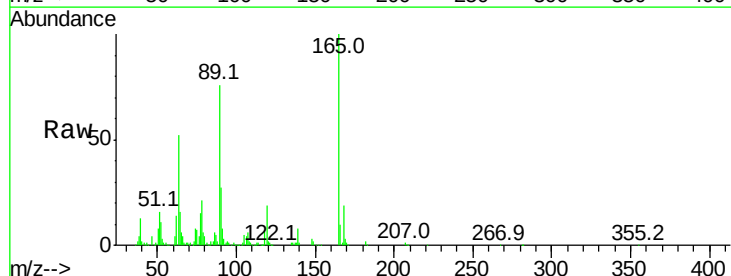
Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 111.8 | 37.7  | 77.7# |
| 65      | 123.5 | 49.9  | 89.9# |

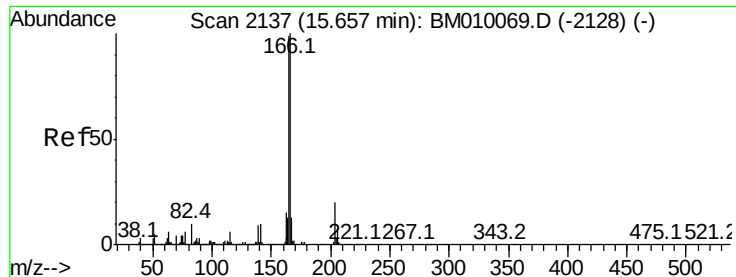


#56  
2,4-Dinitrotoluene  
Concen: 38.32 ng  
RT: 14.97 min Scan# 2020  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 51.9  | 52.4  | 78.6# |
| 89      | 76.3  | 72.4  | 108.6 |
| 182     | 2.4   | 2.0   | 3.0   |



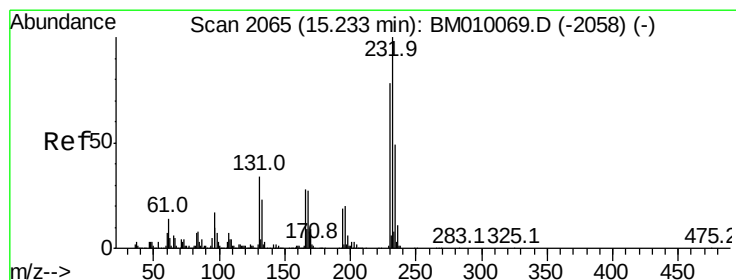
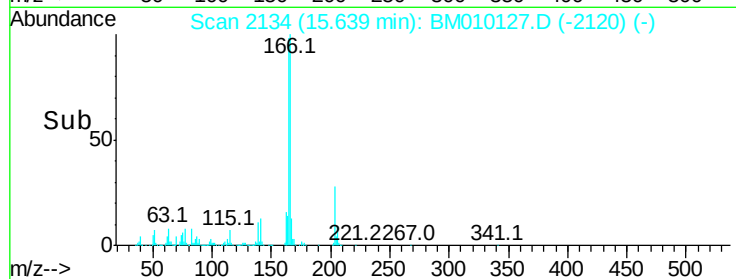
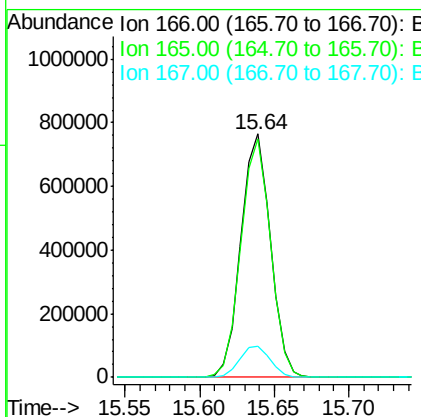
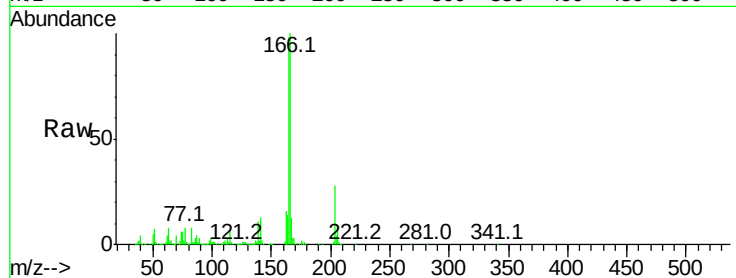




#57  
 Fluorene  
 Concen: 37.80 ng  
 RT: 15.64 min Scan# 2134  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

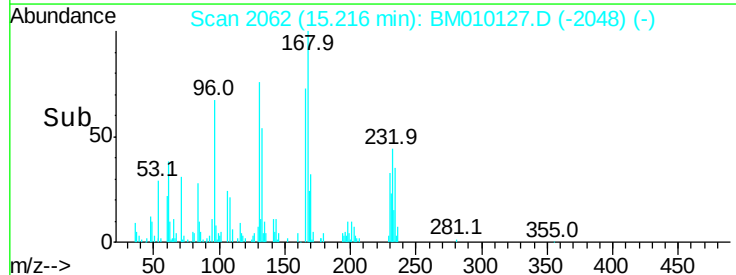
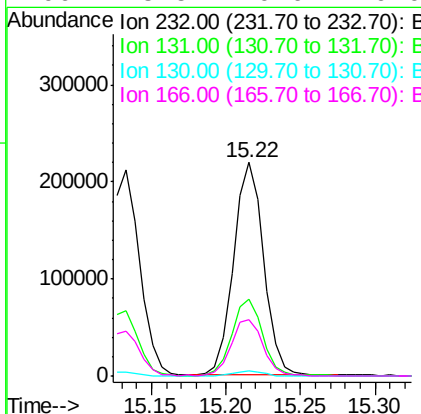
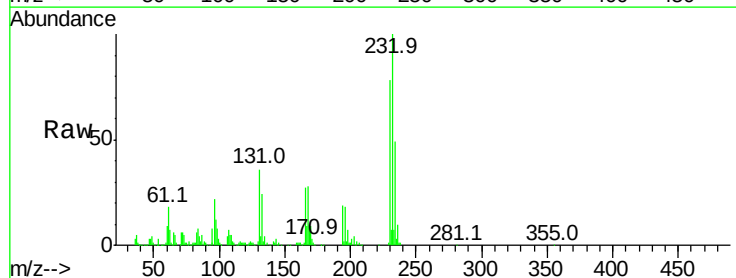
Instrument :  
 BNA\_M  
 ClientSampleId :

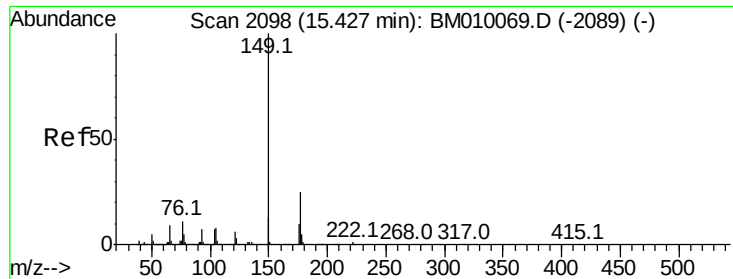
Tot Ion:166 Resp: 1048639  
 Ion Ratio Lower Upper  
 166 100  
 165 98.2 79.0 118.4  
 167 12.8 10.3 15.5



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.72 ng  
 RT: 15.22 min Scan# 2062  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

Tgt Ion:232 Resp: 308942  
 Ion Ratio Lower Upper  
 232 100  
 131 37.3 0.0 0.0#  
 130 2.2 0.0 0.0#  
 166 28.5 0.0 0.0#





#59

Diethylphthalate

Concen: 35.18 ng

RT: 15.40 min Scan# 2094

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

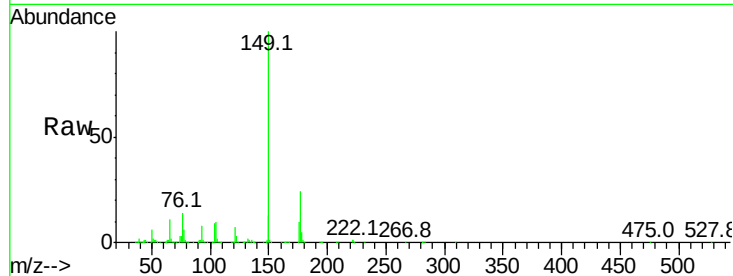
Instrument :

BNA\_M

ClientSampled :

Tot Ion:149 Resp: 983509

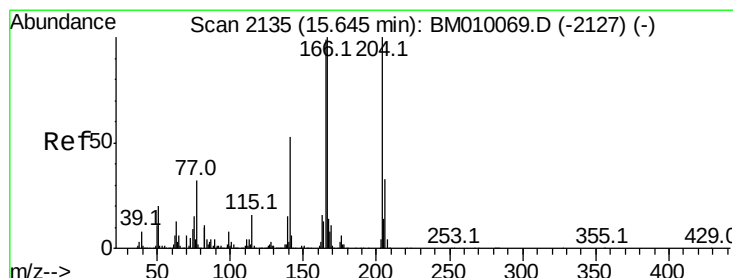
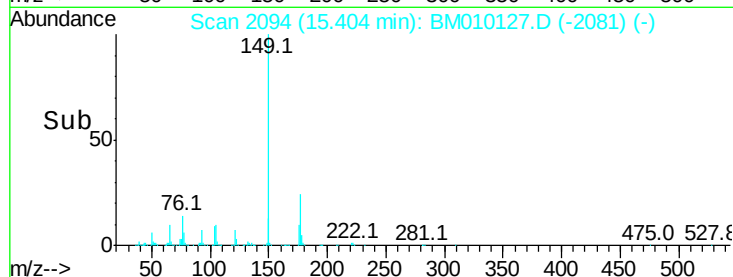
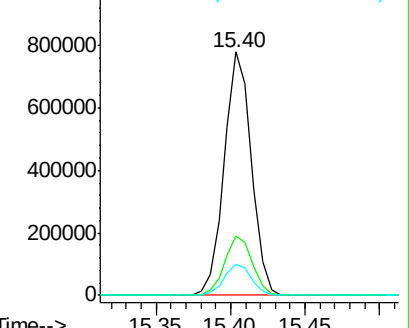
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 24.2  | 18.3  | 27.5  |
| 150 | 12.9  | 9.8   | 14.8  |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 37.52 ng

RT: 15.63 min Scan# 2132

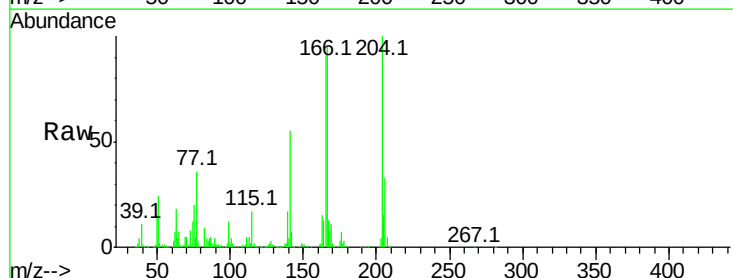
Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion:204 Resp: 584365

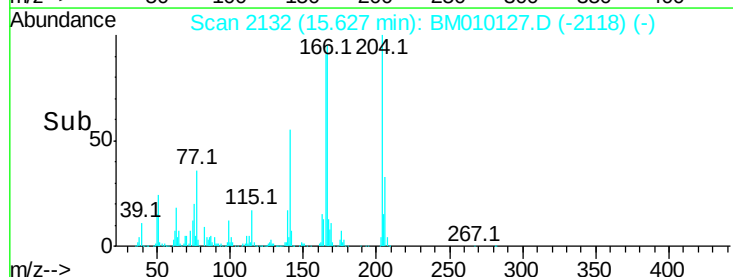
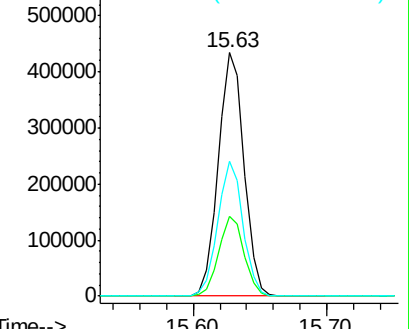
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 204 | 100   |       |       |
| 206 | 32.8  | 26.6  | 39.8  |
| 141 | 55.3  | 45.2  | 67.8  |

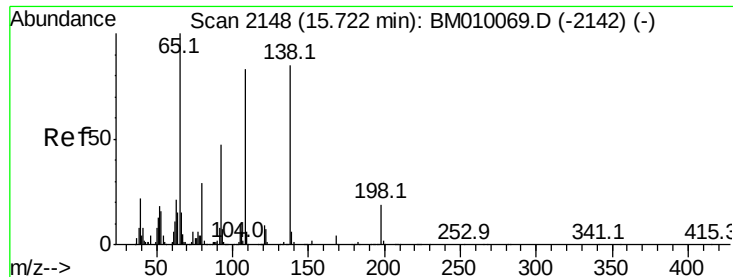


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.34 ng

RT: 15.70 min Scan# 2145

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

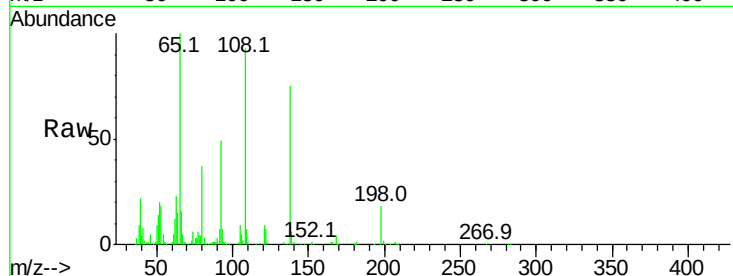
Tot Ion:138 Resp: 176627

Ion Ratio Lower Upper

138 100

92 65.5 16.7 56.7#

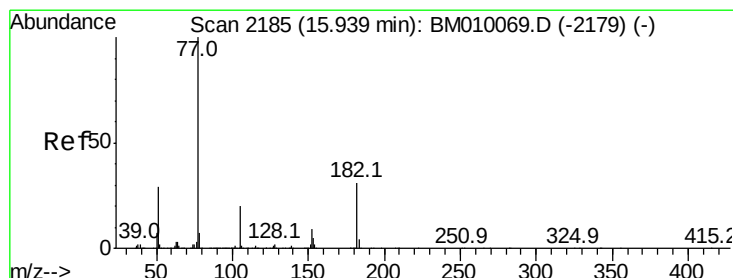
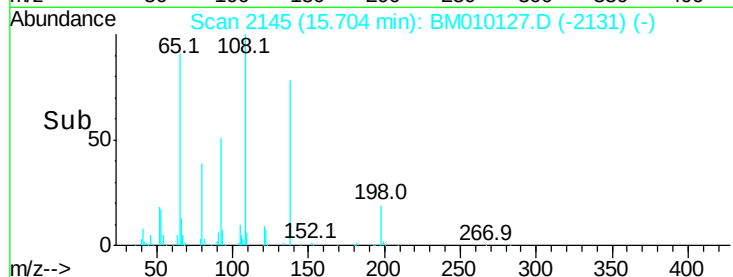
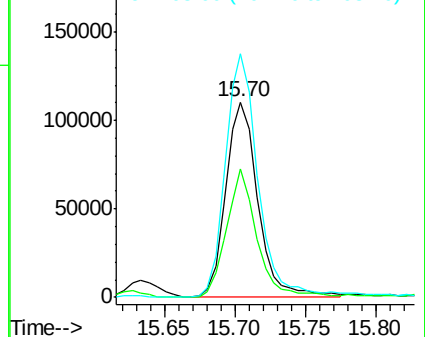
108 124.5 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.43 ng

RT: 15.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion: 77 Resp: 954455

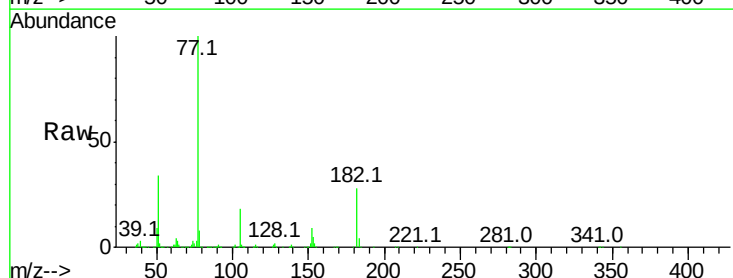
Ion Ratio Lower Upper

77 100

182 28.4 6.5 46.5

105 18.0 3.8 43.8

51 33.6 5.5 45.5

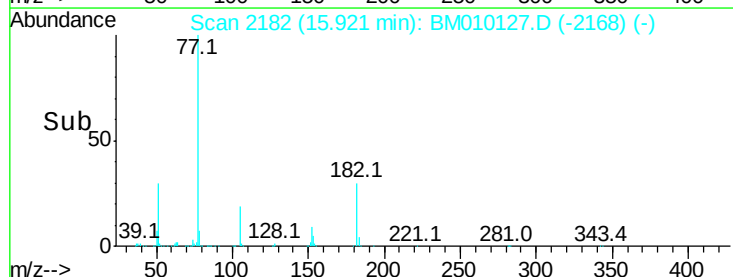
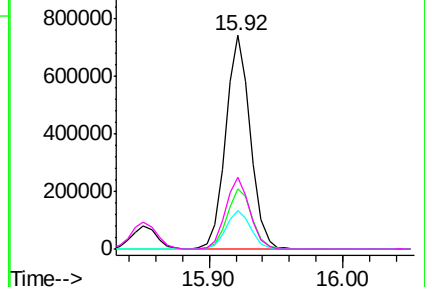


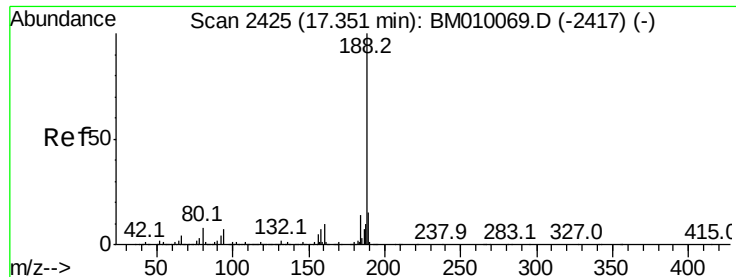
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.34 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

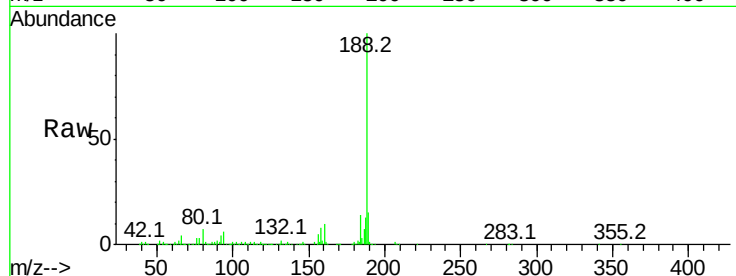
Tot Ion:188 Resp: 782619

Ion Ratio Lower Upper

188 100

94 5.6 8.7 13.1#

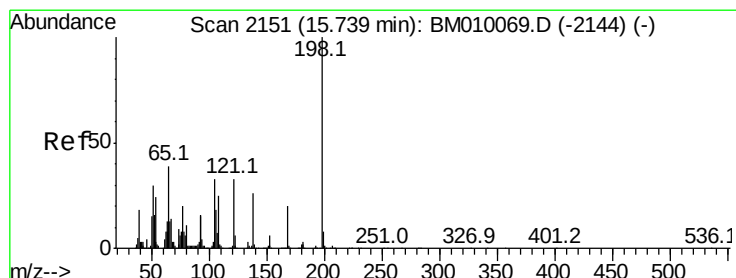
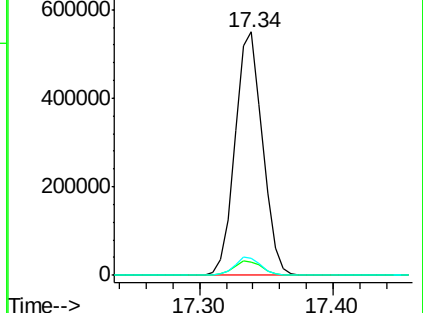
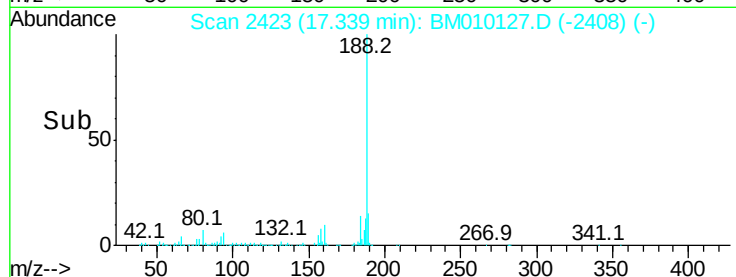
80 7.0 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#64

4,6-Dinitro-2-methylphenol

Concen: 36.02 ng

RT: 15.72 min Scan# 2148

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

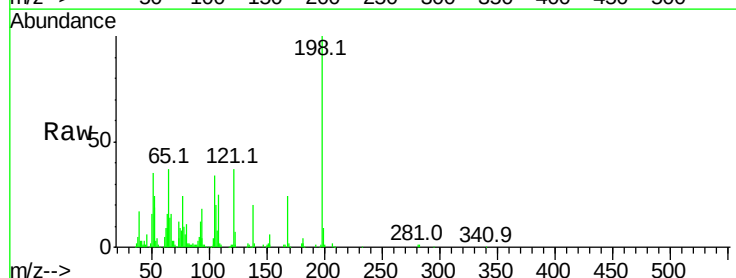
Tgt Ion:198 Resp: 172227

Ion Ratio Lower Upper

198 100

51 34.7 28.8 68.8

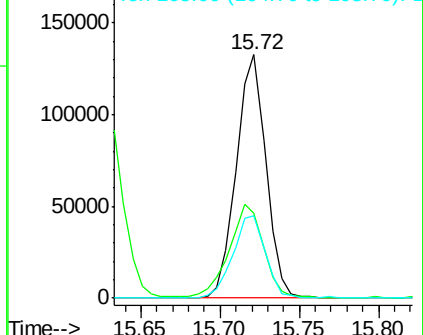
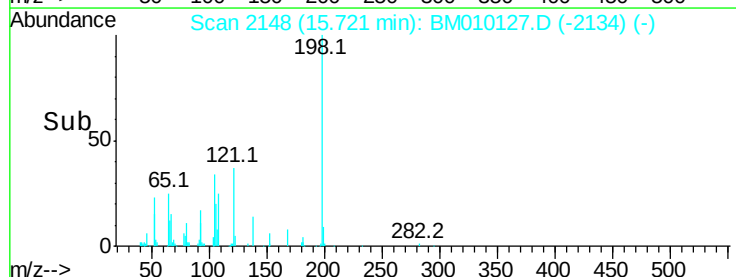
105 33.9 30.5 70.5

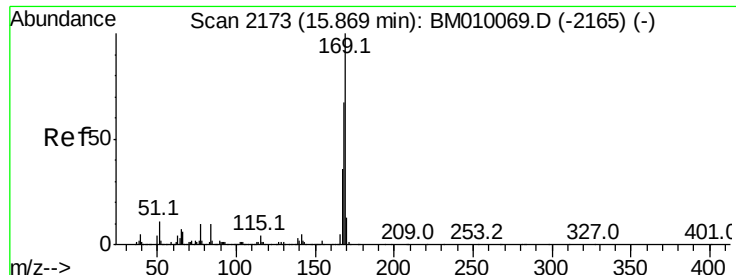


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 38.54 ng

RT: 15.85 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampled :

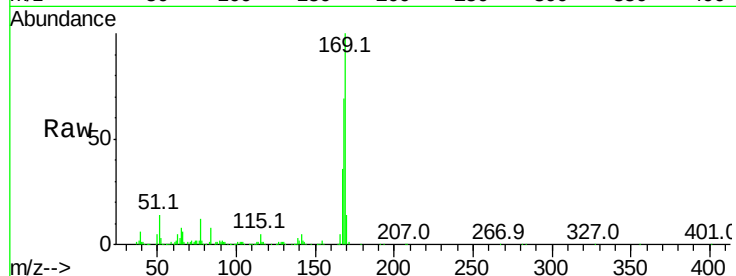
Tot Ion:169 Resp: 903876

Ion Ratio Lower Upper

169 100

168 68.5 53.9 80.9

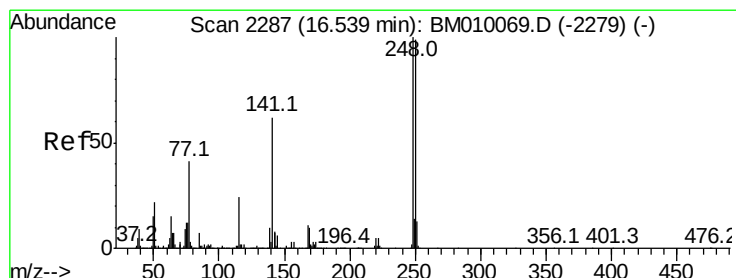
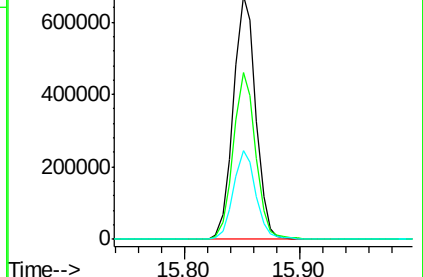
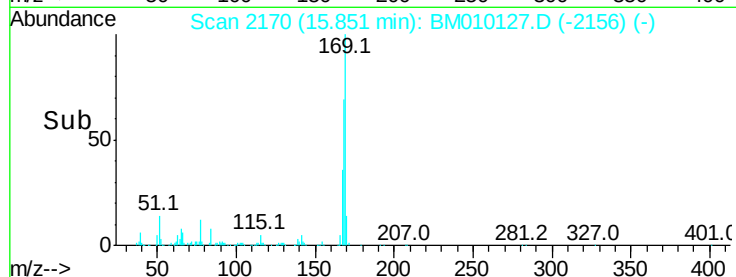
167 36.4 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.78 ng

RT: 16.52 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

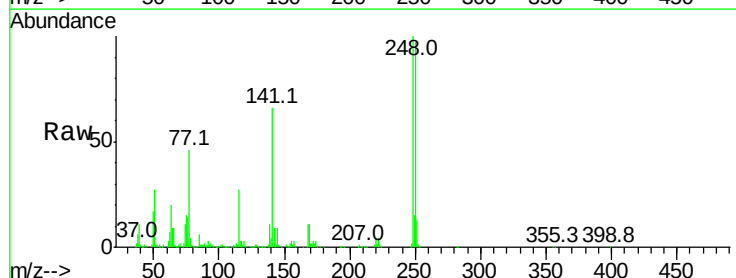
Tgt Ion:248 Resp: 388545

Ion Ratio Lower Upper

248 100

250 97.0 77.4 116.0

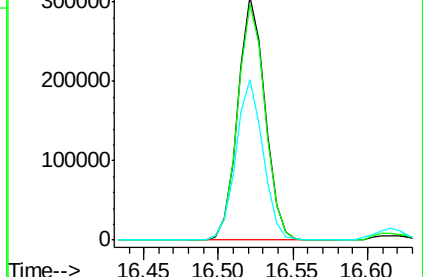
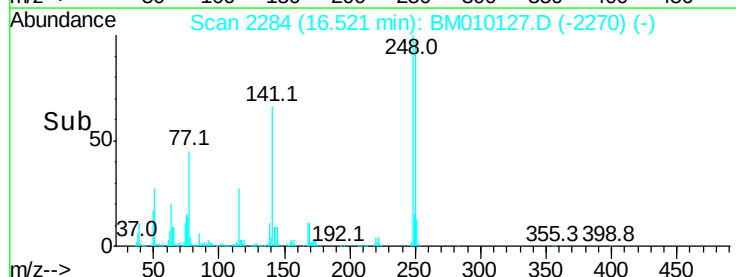
141 66.0 45.2 67.8

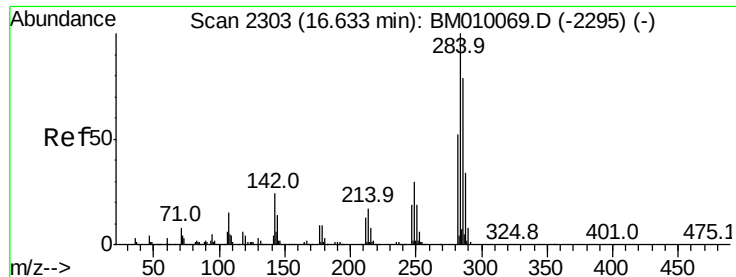


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

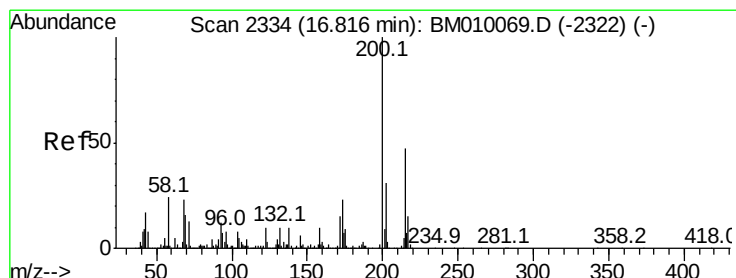
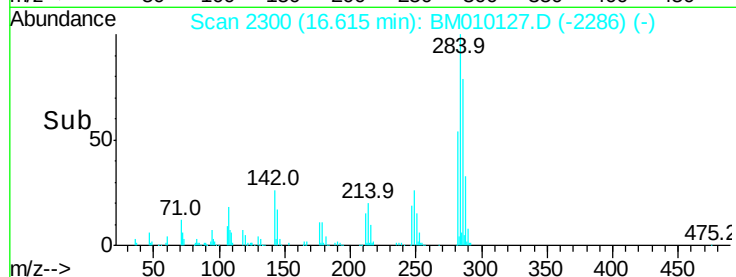
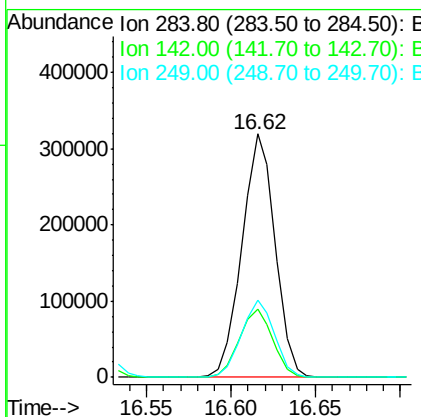
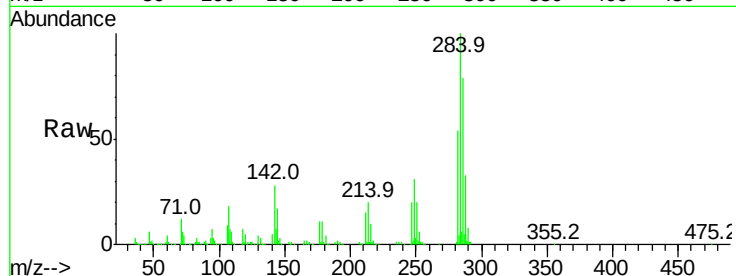




#67  
Hexachlorobenzene  
Concen: 35.81 ng  
RT: 16.62 min Scan# 2300  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

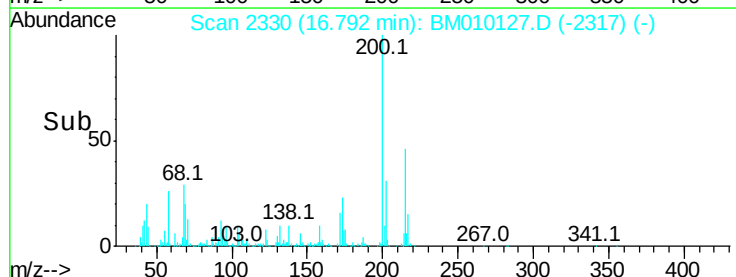
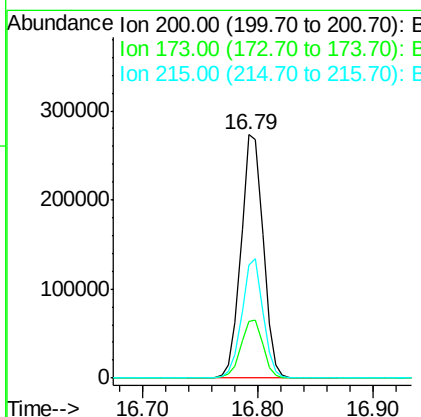
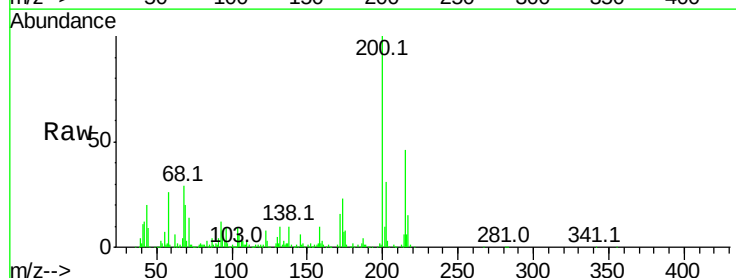
Instrument :  
BNA\_M  
ClientSampled :

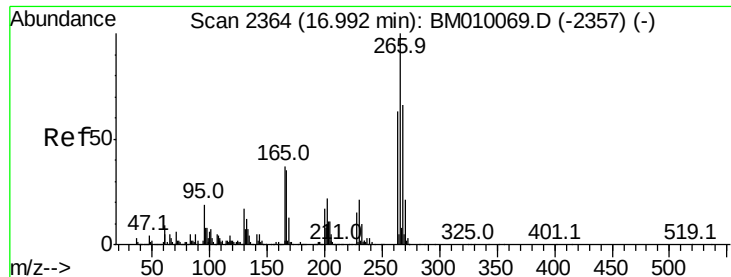
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 28.1  | 20.4  | 30.6  |
| 249     | 31.5  | 23.8  | 35.6  |



#68  
Atrazine  
Concen: 40.95 ng  
RT: 16.79 min Scan# 2330  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.2  | 4.8   | 44.8  |
| 215     | 46.2  | 26.9  | 66.9  |

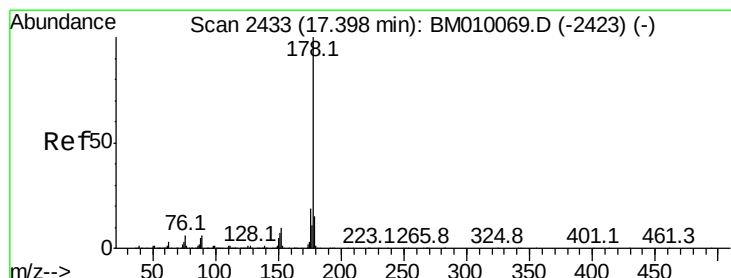
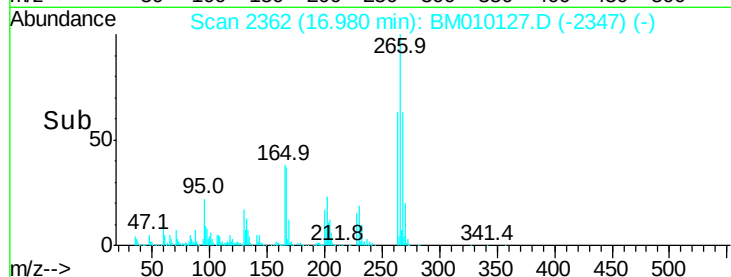
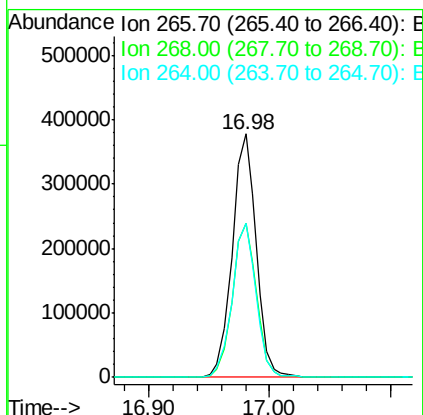
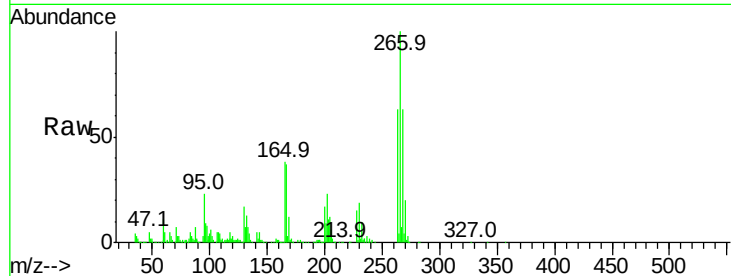




#69  
 Pentachlorophenol  
 Concen: 78.13 ng  
 RT: 16.98 min Scan# 2362  
 Delta R.T. -0.01 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

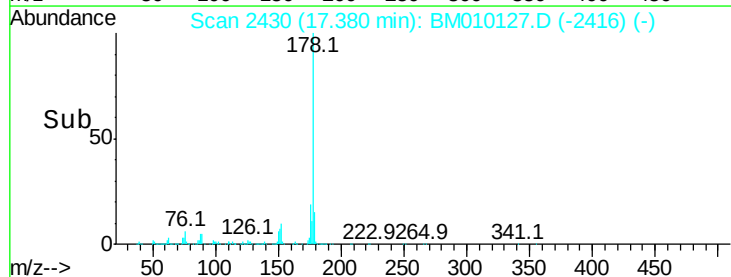
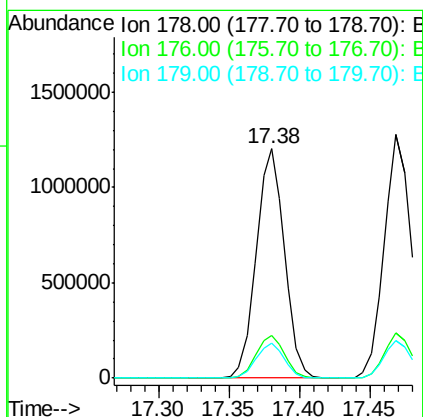
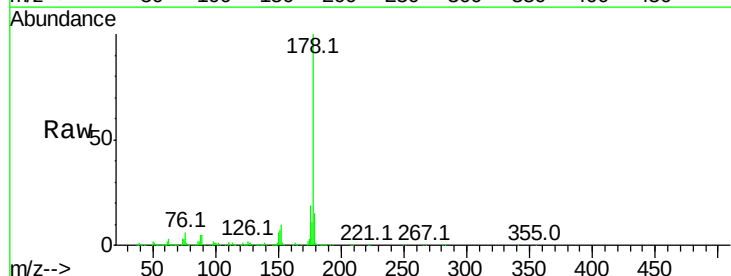
Instrument :  
 BNA\_M  
 ClientSampleId :

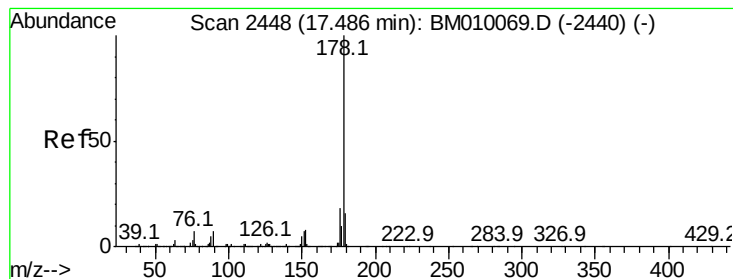
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.1  | 52.0  | 78.0  |
| 264     | 63.4  | 49.0  | 73.4  |



#70  
 Phenanthrene  
 Concen: 38.51 ng  
 RT: 17.38 min Scan# 2430  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.2  | 22.8  |
| 179     | 15.0  | 12.1  | 18.1  |





#71

Anthracene

Concen: 39.55 ng

RT: 17.47 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

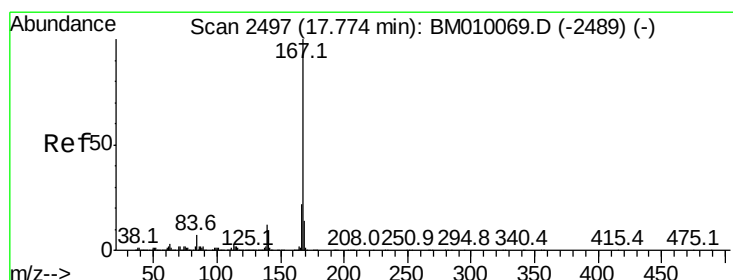
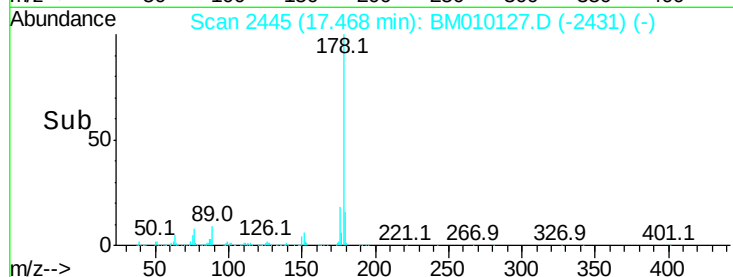
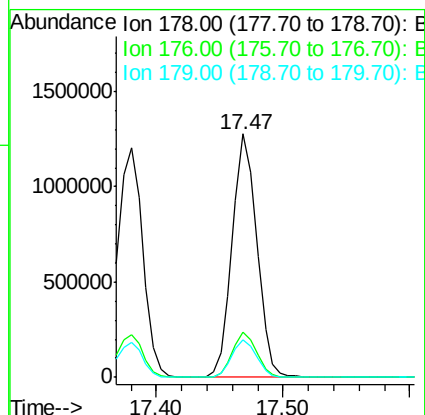
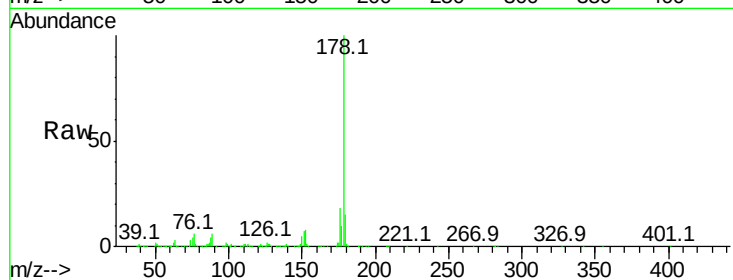
Tot Ion:178 Resp: 1718434

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.4 12.6 19.0



#72

Carbazole

Concen: 39.33 ng

RT: 17.76 min Scan# 2494

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

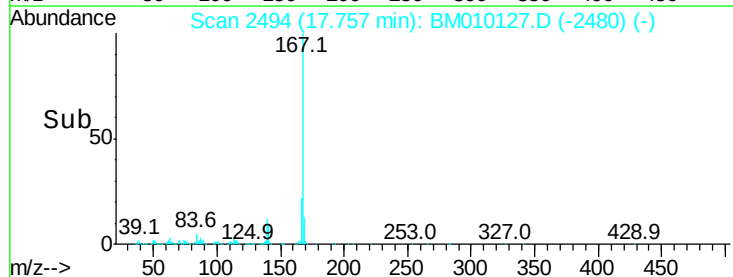
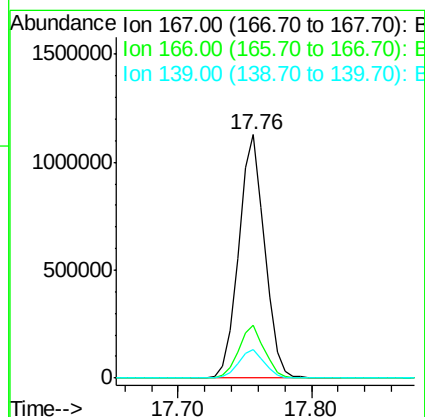
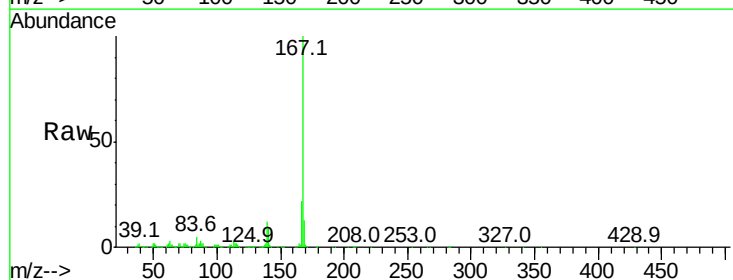
Tgt Ion:167 Resp: 1513325

Ion Ratio Lower Upper

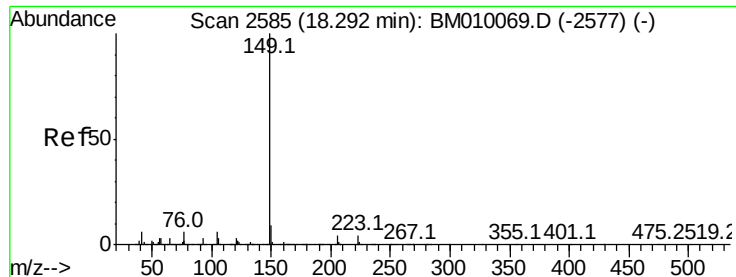
167 100

166 22.0 17.2 25.8

139 11.8 10.8 16.2







#73

Di-n-butylphthalate

Concen: 35.48 ng

RT: 18.27 min Scan# 2582

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

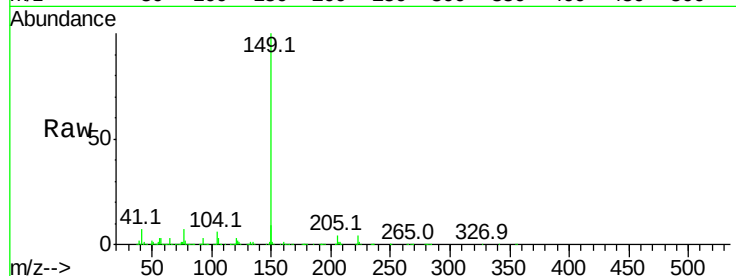
Tot Ion:149 Resp: 1618633

Ion Ratio Lower Upper

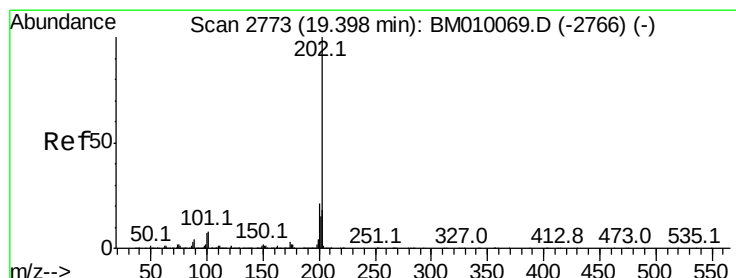
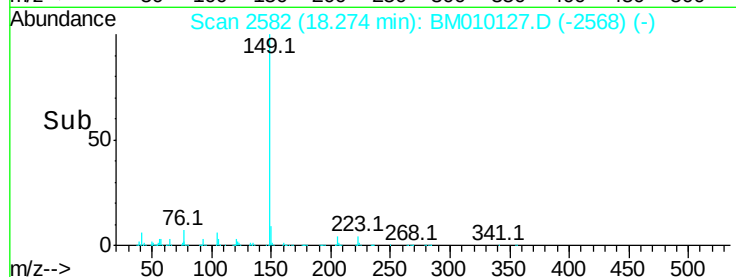
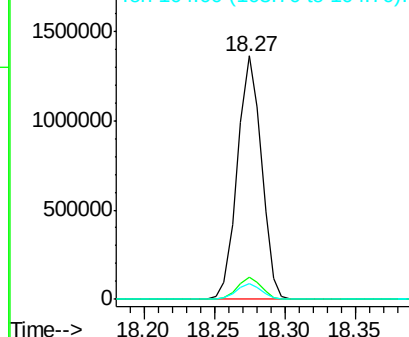
149 100

150 9.1 7.5 11.3

104 6.3 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.61 ng

RT: 19.38 min Scan# 2770

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

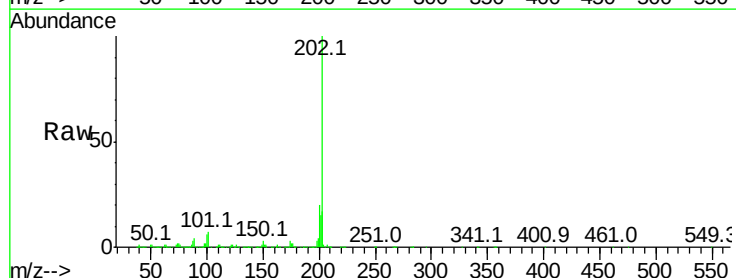
Tgt Ion:202 Resp: 2194887

Ion Ratio Lower Upper

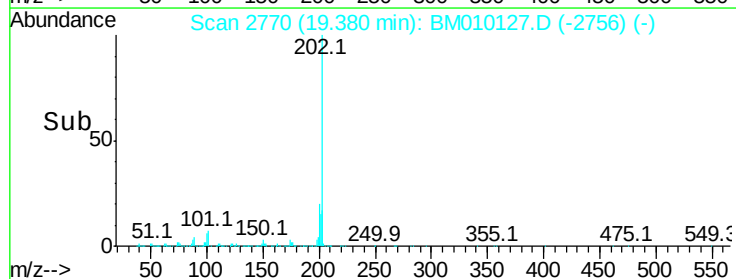
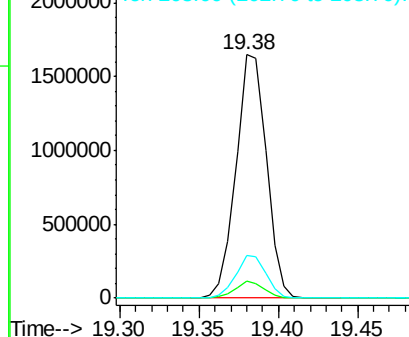
202 100

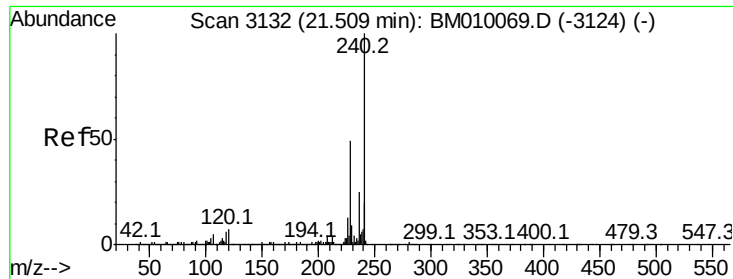
101 6.8 0.0 28.7

203 17.5 0.0 37.2



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

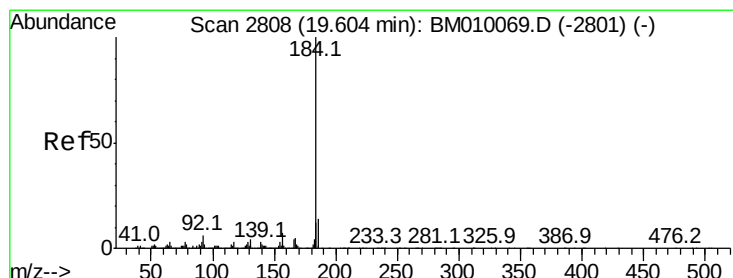
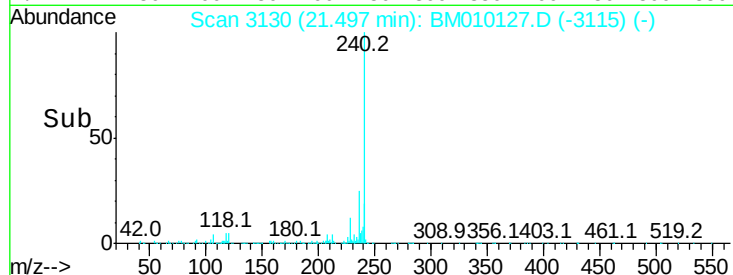
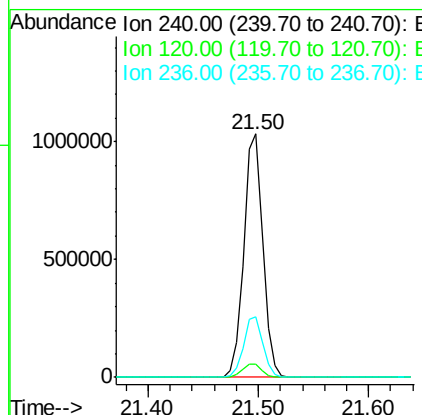
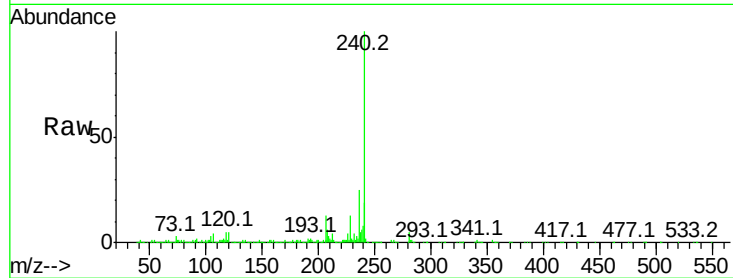




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.50 min Scan# 3130  
 Delta R.T. -0.01 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

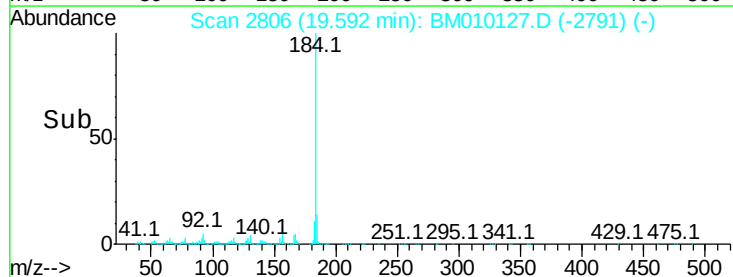
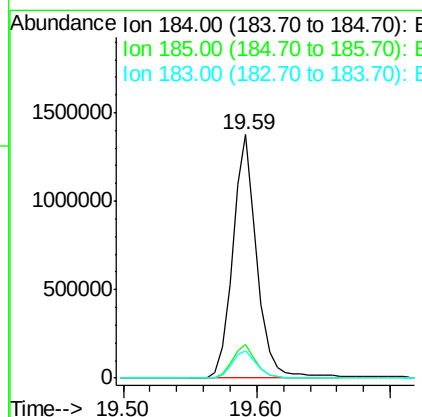
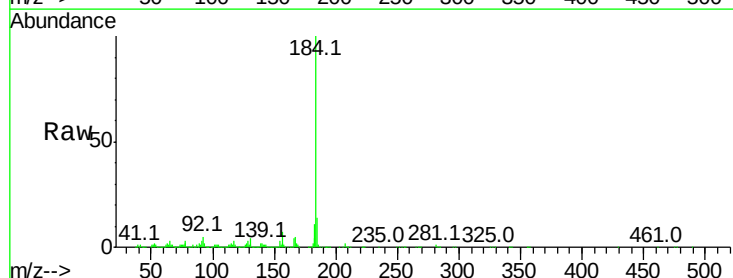
Instrument :  
 BNA\_M  
 ClientSampled :

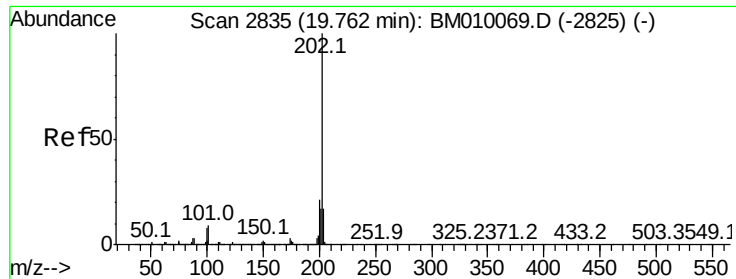
Tot Ion:240 Resp: 1253801  
 Ion Ratio Lower Upper  
 240 100  
 120 5.3 8.2 12.2#  
 236 24.9 20.0 30.0



#76  
 Benzidine  
 Concen: 74.66 ng  
 RT: 19.59 min Scan# 2806  
 Delta R.T. -0.01 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

Tgt Ion:184 Resp: 1726512  
 Ion Ratio Lower Upper  
 184 100  
 185 13.7 11.3 16.9  
 183 11.4 8.9 13.3





#77

Pvrene

Concen: 34.06 ng

RT: 19.74 min Scan# 2832

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

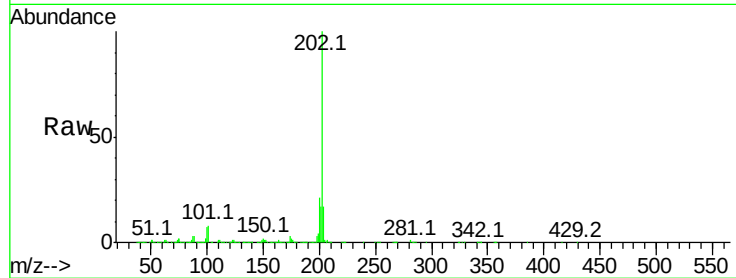
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:202 Resp: 2289479

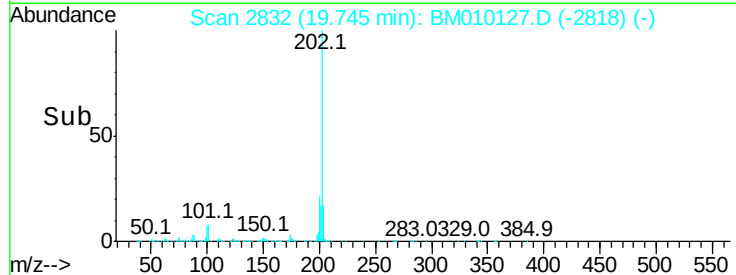
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.0  | 16.9  | 25.3  |
| 203 | 17.3  | 14.1  | 21.1  |



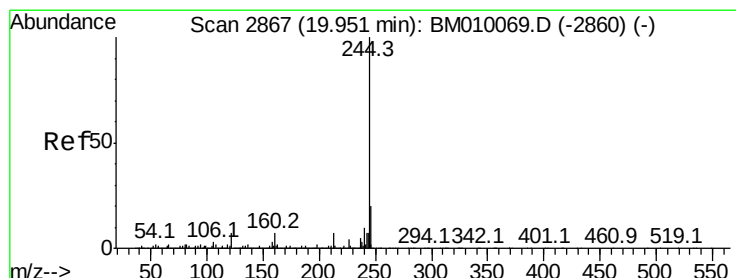
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.60 19.70 19.80



#78

Terphenyl-d14

Concen: 58.04 ng

RT: 19.94 min Scan# 2865

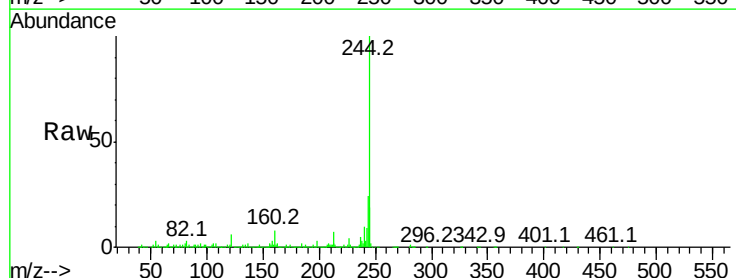
Delta R.T. -0.01 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Tgt Ion:244 Resp: 3200374

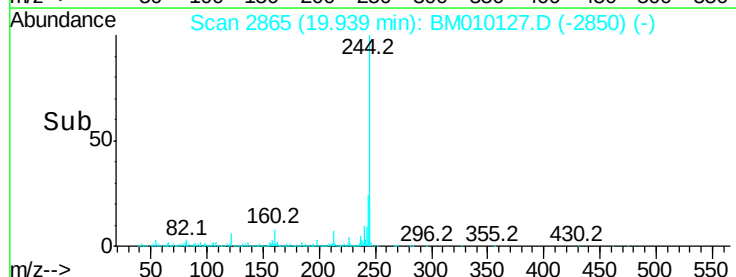
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 4.9   | 7.3   |
| 122 | 5.8   | 6.2   | 9.4   |



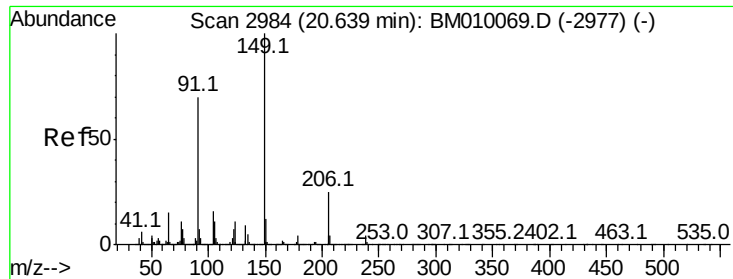
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00



#79

Butylbenzylphthalate

Concen: 33.08 ng

RT: 20.62 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

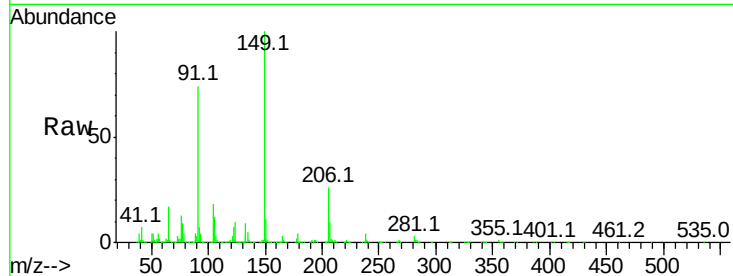
Tot Ion:149 Resp: 823178

Ion Ratio Lower Upper

149 100

91 74.2 50.1 75.1

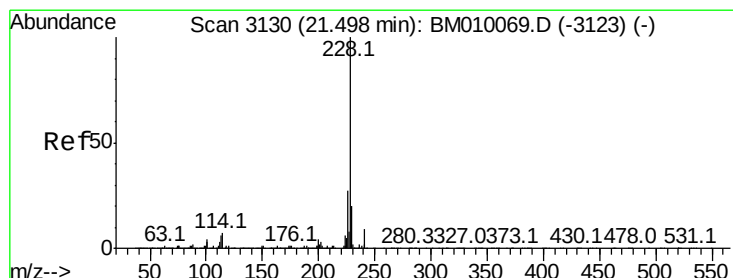
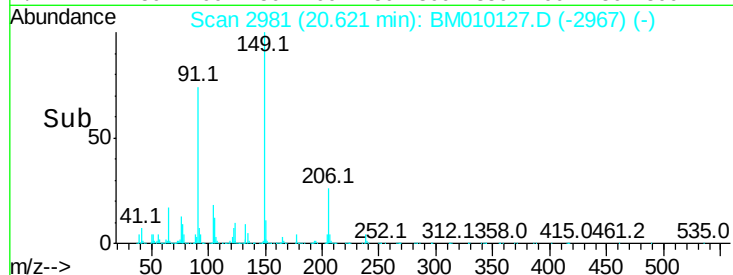
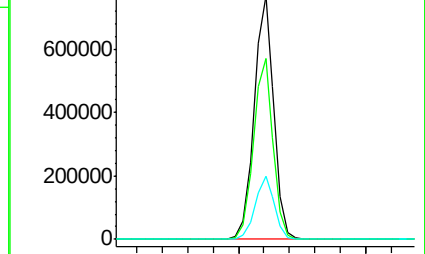
206 25.7 16.2 24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 37.60 ng

RT: 21.48 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

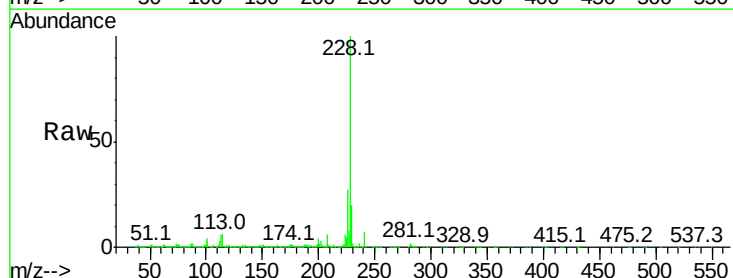
Tgt Ion:228 Resp: 2598314

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

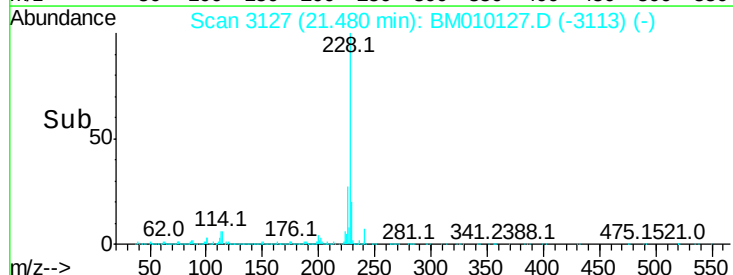
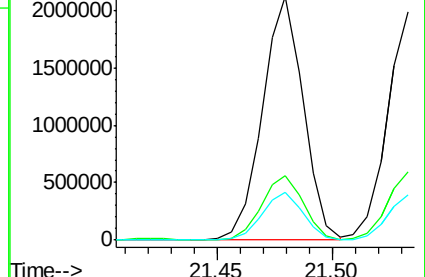
229 19.7 16.0 24.0

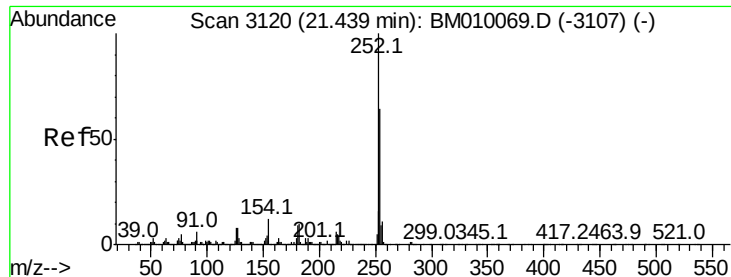


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

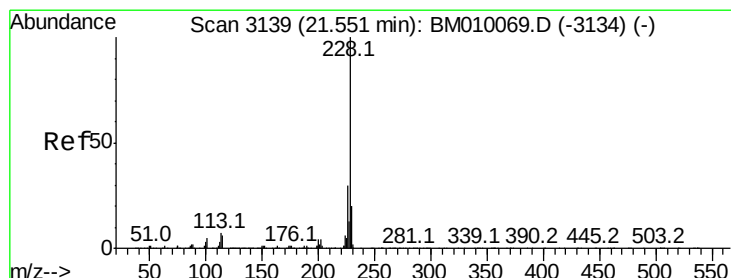
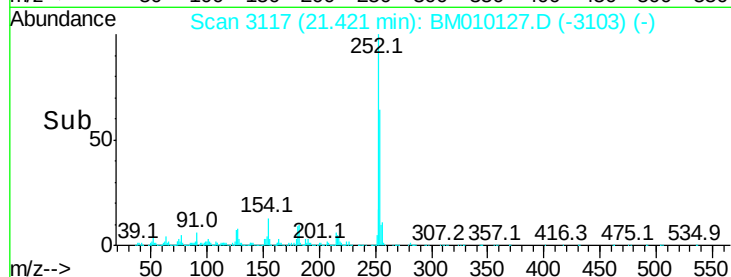
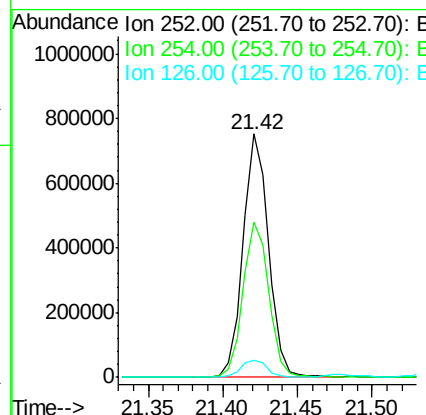
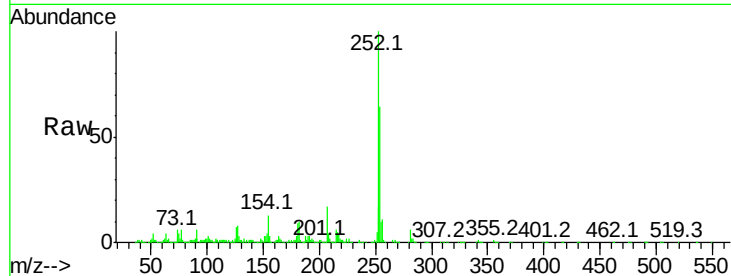




#81  
 3,3'-Dichlorobenzidine  
 Concen: 32.00 ng  
 RT: 21.42 min Scan# 3117  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

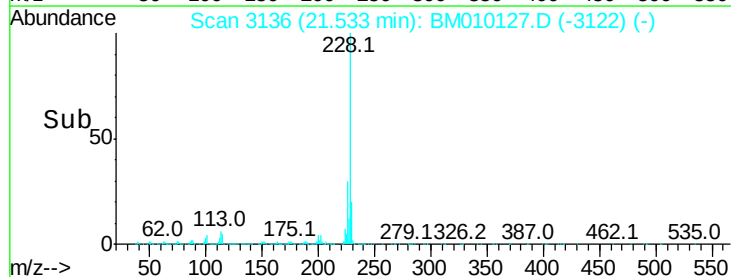
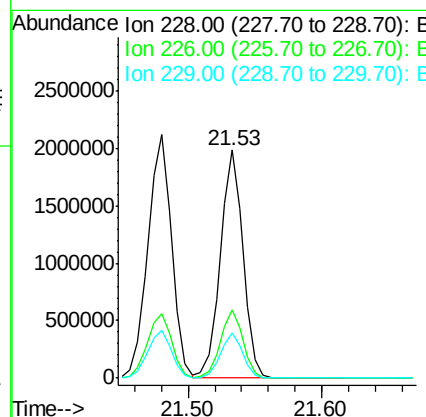
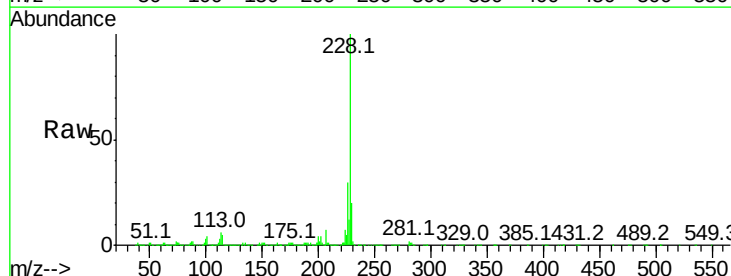
Instrument :  
 BNA\_M  
 ClientSampleId :

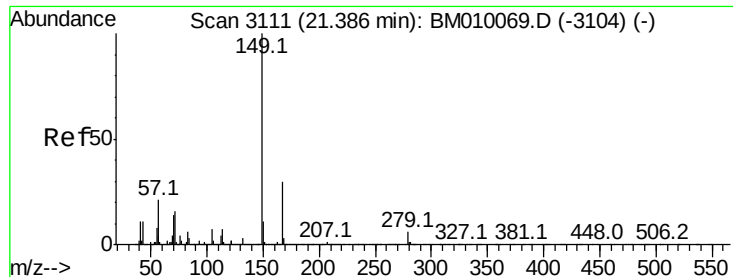
Tot Ion:252 Resp: 889491  
 Ion Ratio Lower Upper  
 252 100  
 254 63.7 51.9 77.9  
 126 7.2 9.8 14.8#



#82  
 Chrysene  
 Concen: 36.24 ng  
 RT: 21.53 min Scan# 3136  
 Delta R.T. -0.02 min  
 Lab File: BM010127.D  
 Acq: 23 May 2017 05:59

Tgt Ion:228 Resp: 2375159  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 24.1 36.1  
 229 19.8 15.5 23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 33.40 ng

RT: 21.36 min Scan# 3107

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

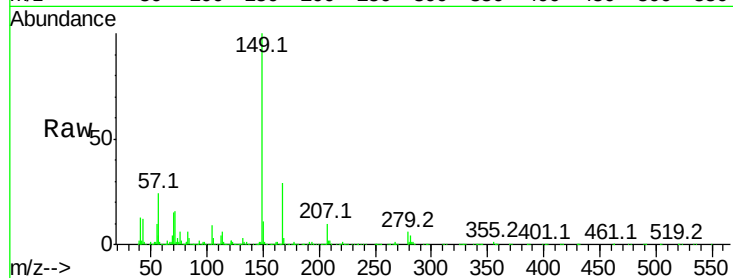
Tot Ion:149 Resp: 1242707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.6  | 22.4  | 33.6  |
| 279 | 5.6   | 3.4   | 5.0   |

149 100

167 28.6 22.4 33.6

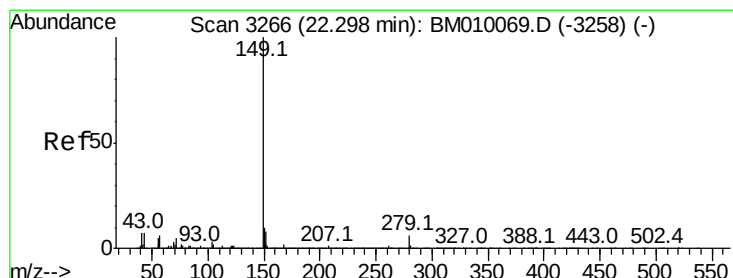
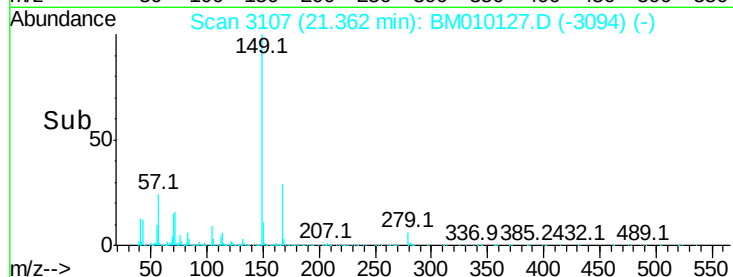
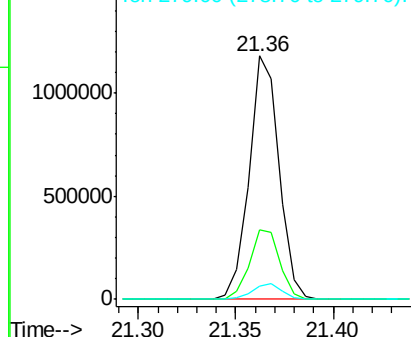
279 5.6 3.4 5.0



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



#84

Di-n-octyl phthalate

Concen: 34.59 ng

RT: 22.27 min Scan# 3262

Delta R.T. -0.02 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

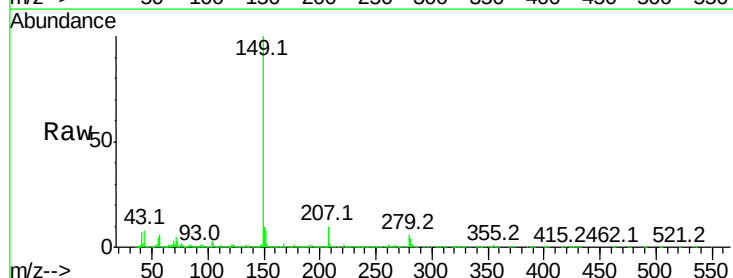
Tgt Ion:149 Resp: 2304359

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.8   | 1.2   | 1.8   |
| 43  | 8.0   | 7.3   | 10.9  |

149 100

167 1.8 1.2 1.8

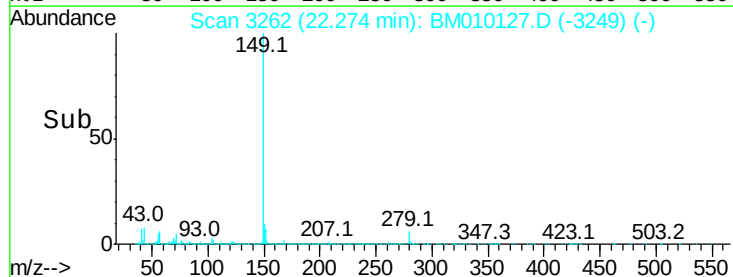
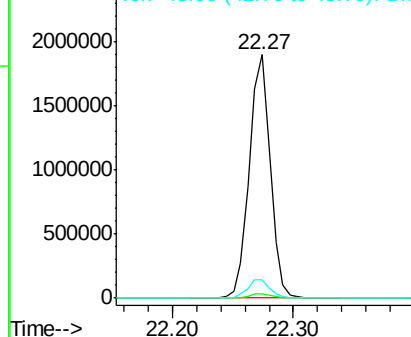
43 8.0 7.3 10.9

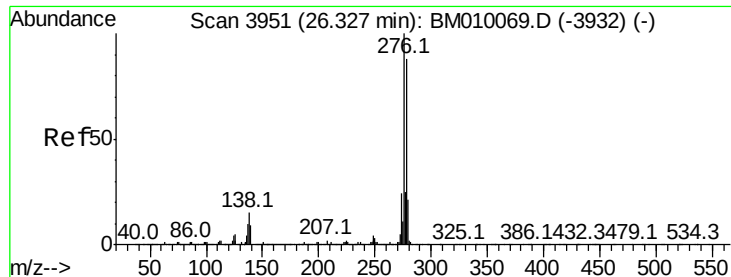


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

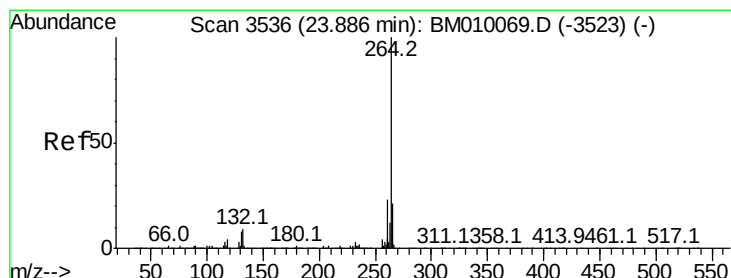
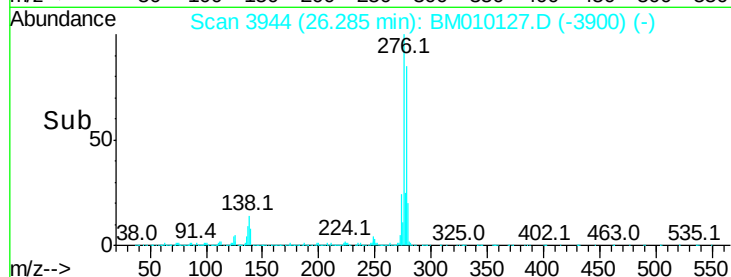
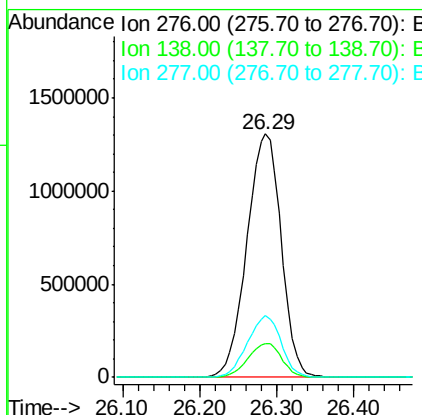
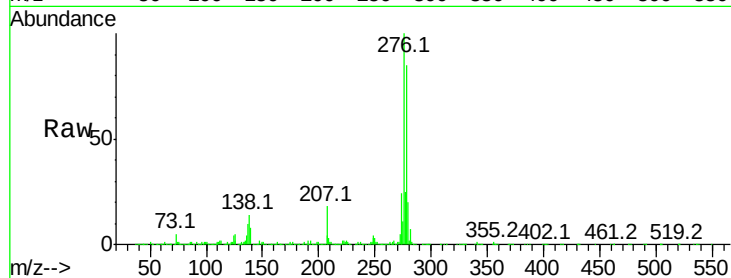




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 42.38 ng  
RT: 26.29 min Scan# 3944  
Delta R.T. -0.04 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

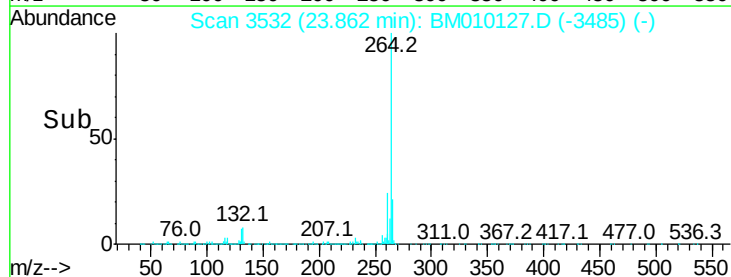
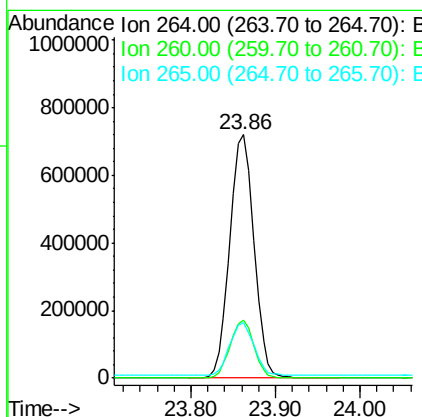
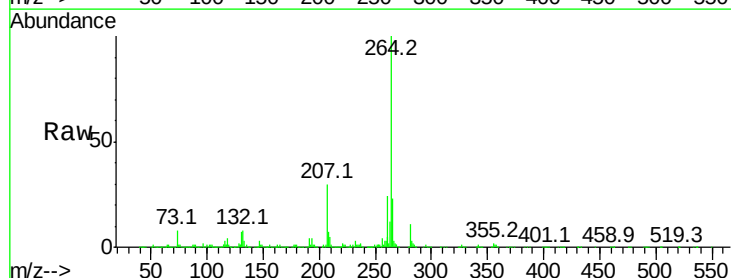
Instrument :  
BNA\_M  
ClientSampleId :

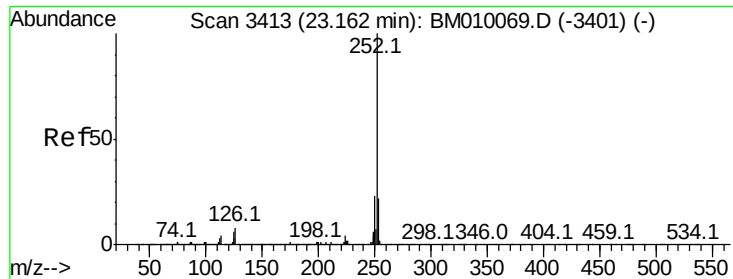
Tot Ion:276 Resp: 4073392  
Ion Ratio Lower Upper  
276 100  
138 13.9 0.0 0.0#  
277 25.0 0.0 0.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.86 min Scan# 3532  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:264 Resp: 1422201  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.6 27.8  
265 22.6 17.3 25.9

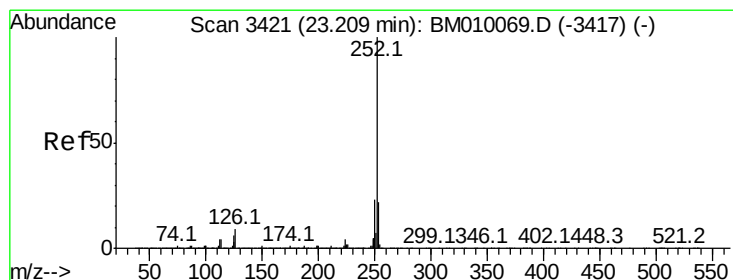
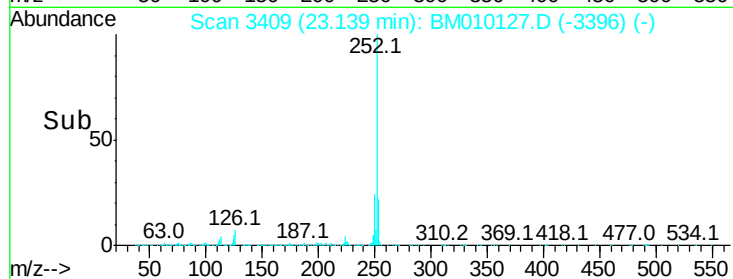
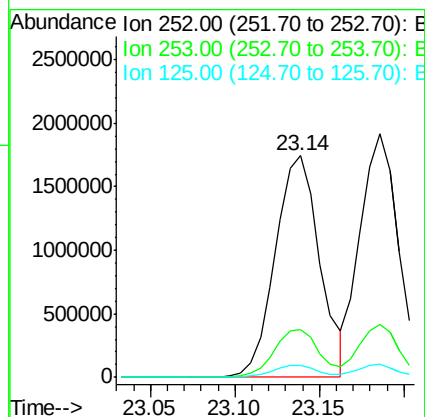
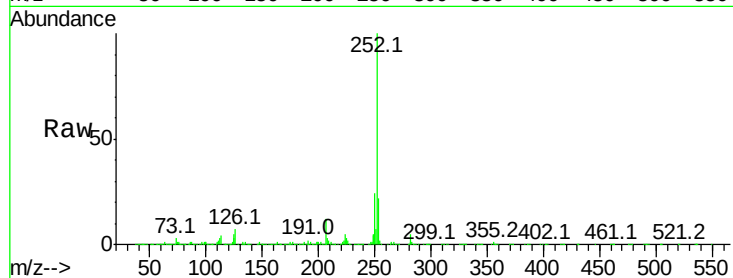




#87  
Benzo(b)fluoranthene  
Concen: 38.15 ng  
RT: 23.14 min Scan# 3409  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

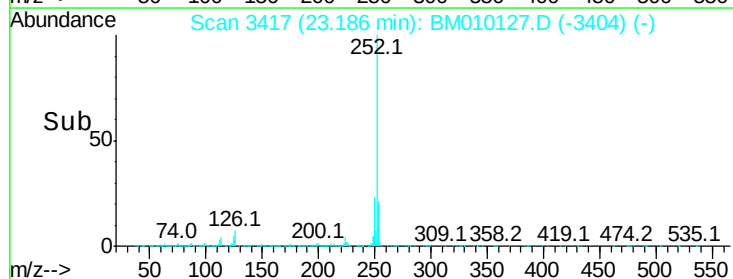
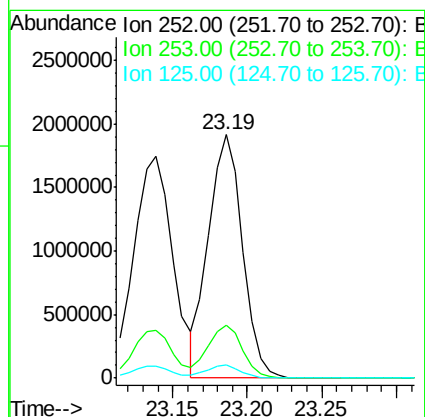
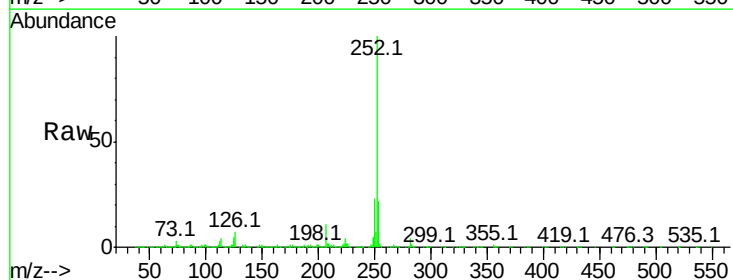
Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:252 Resp: 3175277  
Ion Ratio Lower Upper  
252 100  
253 21.7 18.0 27.0  
125 5.2 9.9 14.9#

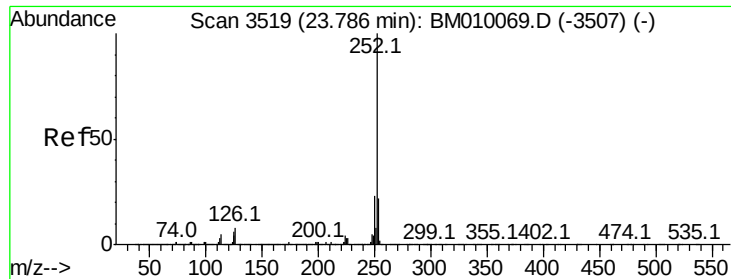


#88  
Benzo(k)fluoranthene  
Concen: 37.15 ng  
RT: 23.19 min Scan# 3417  
Delta R.T. -0.02 min  
Lab File: BM010127.D  
Acq: 23 May 2017 05:59

Tgt Ion:252 Resp: 3029240  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.2 25.8  
125 5.3 8.1 12.1#







#89

Benzo(a)pyrene

Concen: 38.65 ng

RT: 23.76 min Scan# 3514

Delta R.T. -0.03 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :

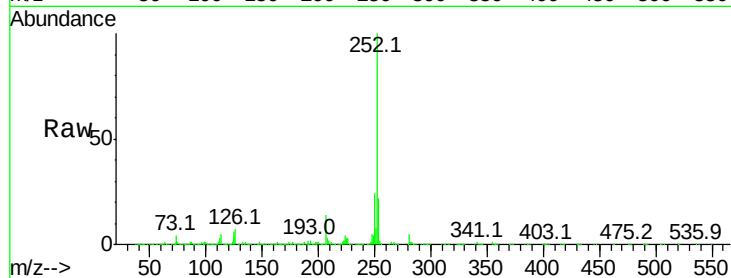
Tot Ion:252 Resp: 3065291

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.1  | 17.6  | 26.4  |
| 125 | 5.6   | 7.4   | 11.2  |

252 100

253 22.1 17.6 26.4

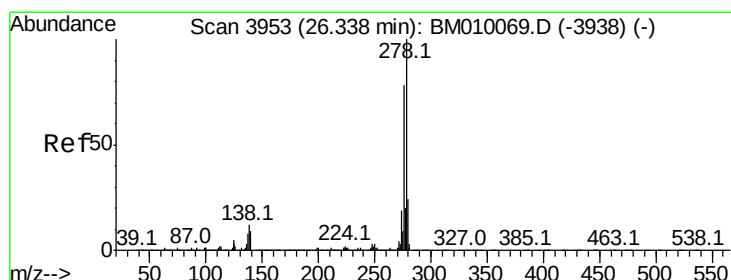
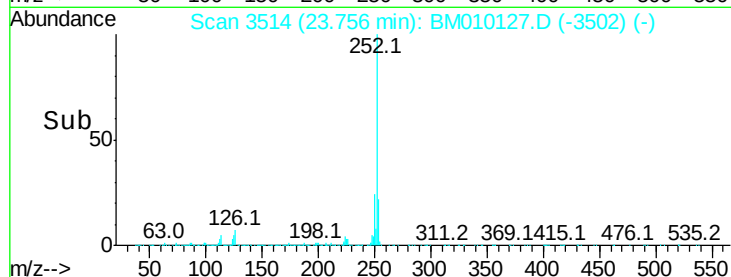
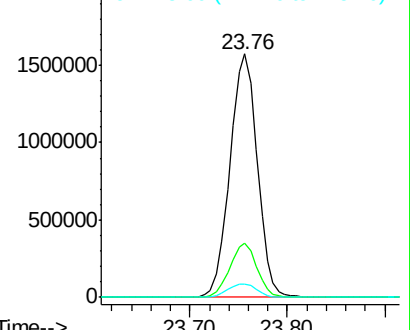
125 5.6 7.4 11.2



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



#90

Dibenzo(a,h)anthracene

Concen: 38.46 ng

RT: 26.30 min Scan# 3946

Delta R.T. -0.04 min

Lab File: BM010127.D

Acq: 23 May 2017 05:59

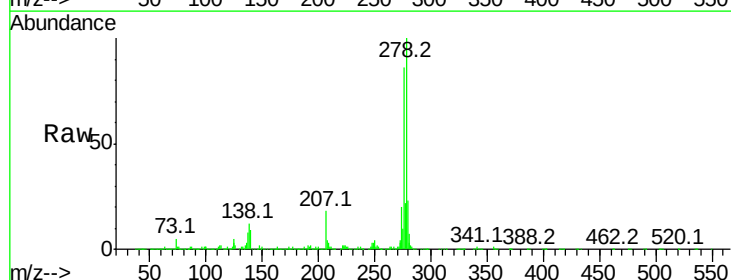
Tgt Ion:278 Resp: 3410926

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 9.3   | 13.4  | 20.0  |
| 279 | 23.0  | 19.0  | 28.4  |

278 100

139 9.3 13.4 20.0

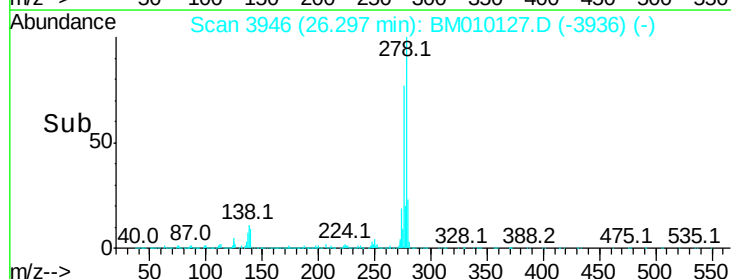
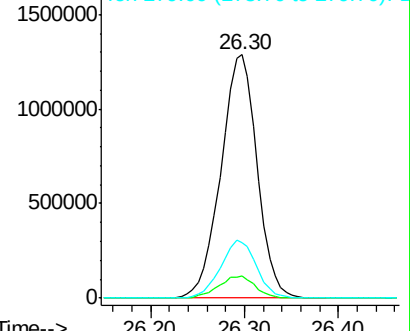
279 23.0 19.0 28.4

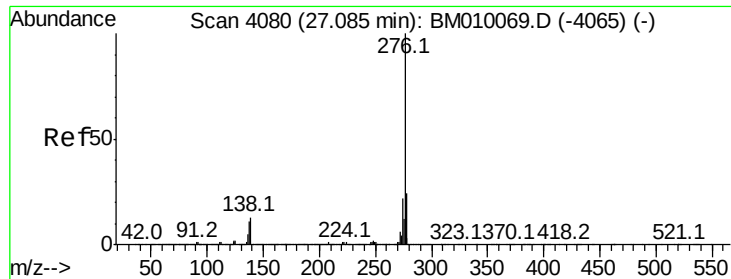


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.38 ng

RT: 27.04 min Scan# 4073

Delta R.T. -0.04 min

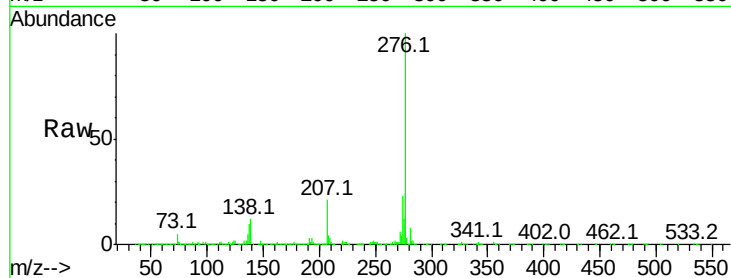
Lab File: BM010127.D

Acq: 23 May 2017 05:59

Instrument :

BNA\_M

ClientSampleId :



|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 276   | Resp: | 3334985 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 277      | 23.9  | 18.5  | 27.7    |
| 138      | 11.6  | 19.0  | 28.6    |

