

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052617\  
 Data File : BM010265.D  
 Acq On : 26 May 2017 19:59  
 Operator : SJ/MA  
 Sample : I3306-07MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 26 23:35:17 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 | 7.94  | 152  | 102980   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 10.75 | 136  | 376648   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 14.57 | 164  | 271334   | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10      | 17.32 | 188  | 688379   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12          | 21.48 | 240  | 1005563  | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 23.83 | 264  | 1038986  | 20.00 | ng    | -0.05    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.52  | 112 | 435316  | 76.34  | ng | -0.04 |
| 7) Phenol-d6                | 7.13  | 99  | 343670  | 46.84  | ng | -0.04 |
| 23) Nitrobenzene-d5         | 9.13  | 82  | 817675  | 117.12 | ng | -0.04 |
| 41) 2,4,6-Tribromophenol    | 16.07 | 330 | 704724  | 171.01 | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 13.19 | 172 | 2276020 | 107.84 | ng | -0.04 |
| 78) Terphenyl-d14           | 19.92 | 244 | 4082407 | 92.31  | ng | -0.03 |

|                                |       |     |        |        |    |        |
|--------------------------------|-------|-----|--------|--------|----|--------|
| Target Compounds               |       |     |        |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.43  | 88  | 58970  | 22.51  | ng | # 100  |
| 3) Pyridine                    | 3.85  | 79  | 115905 | 16.52  | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 3.76  | 42  | 79028  | 31.15  | ng | # 66   |
| 6) Aniline                     | 7.29  | 93  | 219100 | 24.10  | ng | 93     |
| 8) 2-Chlorophenol              | 7.51  | 128 | 252320 | 40.67  | ng | 91     |
| 9) Benzaldehyde                | 7.10  | 77  | 79261  | 17.35  | ng | # 81   |
| 10) Phenol                     | 7.15  | 94  | 130073 | 16.82  | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.37  | 93  | 271899 | 47.17  | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.82  | 146 | 360401 | 45.71  | ng | # 90   |
| 13) 1,4-Dichlorobenzene        | 7.97  | 146 | 369906 | 45.67  | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.29  | 146 | 349594 | 44.97  | ng | 96     |
| 15) Benzyl Alcohol             | 8.20  | 79  | 166403 | 29.97  | ng | # 85   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46  | 45  | 218088 | 38.48  | ng | 75     |
| 17) 2-Methylphenol             | 8.40  | 107 | 188747 | 34.30  | ng | # 80   |
| 18) Hexachloroethane           | 9.01  | 117 | 127399 | 48.52  | ng | # 72   |
| 19) n-Nitroso-di-n-propylamine | 8.75  | 70  | 277125 | 53.51  | ng | 93     |
| 20) 3+4-Methylphenols          | 8.73  | 107 | 230658 | 31.04  | ng | 86     |
| 22) Acetophenone               | 8.77  | 105 | 488943 | 50.64  | ng | # 96   |
| 24) Nitrobenzene               | 9.17  | 77  | 428213 | 59.54  | ng | 93     |
| 25) Isophorone                 | 9.67  | 82  | 689464 | 57.15  | ng | # 93   |
| 26) 2-Nitrophenol              | 9.87  | 139 | 158718 | 52.36  | ng | # 54   |
| 27) 2,4-Dimethylphenol         | 9.92  | 122 | 246715 | 45.07  | ng | # 78   |
| 28) bis(2-Chloroethoxy)methane | 10.16 | 93  | 374635 | 48.94  | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.40 | 162 | 339087 | 53.80  | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.60 | 180 | 415469 | 50.95  | ng | 97     |
| 31) Naphthalene                | 10.80 | 128 | 929164 | 46.12  | ng | 98     |
| 32) Benzoic acid               | 10.03 | 122 | 58540  | 15.69  | ng | # 79   |
| 33) 4-Chloroaniline            | 10.95 | 127 | 175590 | 22.62  | ng | # 80   |
| 34) Hexachlorobutadiene        | 11.04 | 225 | 287162 | 52.79  | ng | 98     |
| 35) Caprolactam                | 11.78 | 113 | 15879  | 8.78   | ng | # 75   |
| 36) 4-Chloro-3-methylphenol    | 12.05 | 107 | 321362 | 47.08  | ng | 87     |
| 37) 2-Methylnaphthalene        | 12.39 | 142 | 765930 | 52.80  | ng | # 93   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.75 | 216 | 525774 | 50.39  | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.72 | 237 | 674966 | 112.04 | ng | 100    |

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 ALS Vial : 18 Sample Multiplier: 1

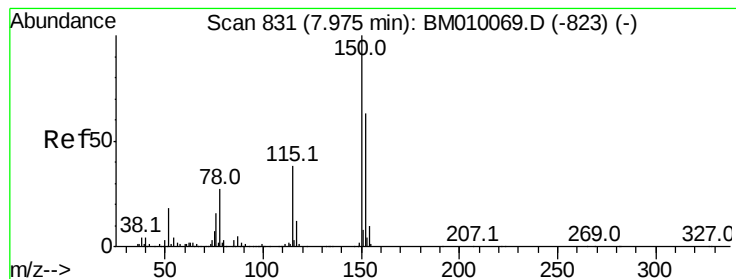
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 26 23:35:17 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) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.01 | 196  | 342679   | 55.76  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.08 | 196  | 363161   | 53.48  | nq    | # 94     |
| 45) 1,1'-Biphenyl              | 13.40 | 154  | 1105294  | 49.53  | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.45 | 162  | 874908   | 48.43  | nq    | 95       |
| 47) 2-Nitroaniline             | 13.69 | 65   | 269242   | 57.96  | nq    | # 77     |
| 48) Acenaphthylene             | 14.30 | 152  | 1373787  | 51.43  | nq    | 99       |
| 49) Dimethylphthalate          | 14.04 | 163  | 1257283  | 51.95  | nq    | # 99     |
| 50) 2,6-Dinitrotoluene         | 14.17 | 165  | 249758   | 54.34  | nq    | # 82     |
| 51) Acenaphthene               | 14.64 | 154  | 832497   | 50.13  | nq    | 99       |
| 52) 3-Nitroaniline             | 14.52 | 138  | 181057   | 42.39  | nq    | # 61     |
| 53) 2,4-Dinitrophenol          | 14.71 | 184  | 341708   | 109.38 | nq    | 90       |
| 54) Dibenzofuran               | 14.97 | 168  | 1461843  | 55.98  | nq    | 95       |
| 55) 4-Nitrophenol              | 14.83 | 139  | 127068   | 36.96  | nq    | # 20     |
| 56) 2,4-Dinitrotoluene         | 14.96 | 165  | 362902   | 55.81  | nq    | 88       |
| 57) Fluorene                   | 15.62 | 166  | 1223023  | 53.86  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.20 | 232  | 370409   | 64.04  | nq    | # 100    |
| 59) Diethylphthalate           | 15.39 | 149  | 1180297  | 51.58  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.61 | 204  | 689226   | 54.06  | nq    | 98       |
| 61) 4-Nitroaniline             | 15.69 | 138  | 185565   | 42.79  | nq    | # 13     |
| 62) Azobenzene                 | 15.90 | 77   | 1188798  | 70.65  | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 234478   | 55.76  | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 15.83 | 169  | 1070372  | 51.88  | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.50 | 248  | 458682   | 52.05  | nq    | 94       |
| 67) Hexachlorobenzene          | 16.60 | 284  | 510934   | 47.72  | nq    | 94       |
| 68) Atrazine                   | 16.78 | 200  | 423922   | 54.19  | nq    | 98       |
| 69) Pentachlorophenol          | 16.96 | 266  | 650951   | 110.70 | nq    | 97       |
| 70) Phenanthrene               | 17.36 | 178  | 1968596  | 51.11  | nq    | 99       |
| 71) Anthracene                 | 17.45 | 178  | 2058922  | 53.87  | nq    | 99       |
| 72) Carbazole                  | 17.74 | 167  | 1767801  | 52.24  | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.26 | 149  | 2029525  | 50.58  | nq    | # 98     |
| 74) Fluoranthene               | 19.37 | 202  | 2587989  | 51.75  | nq    | 97       |
| 76) Benzidine                  | 19.58 | 184  | 661684   | 35.68  | nq    | 99       |
| 77) Pyrene                     | 19.73 | 202  | 2637249  | 48.92  | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.60 | 149  | 957641   | 47.99  | nq    | # 82     |
| 80) Benzo(a)anthracene         | 21.46 | 228  | 2868894  | 51.77  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.41 | 252  | 865326   | 38.82  | nq    | # 97     |
| 82) Chrysene                   | 21.52 | 228  | 2578297  | 49.05  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.34 | 149  | 1441486  | 48.30  | nq    | # 98     |
| 84) Di-n-octyl phthalate       | 22.25 | 149  | 2548909  | 47.70  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 26.24 | 276  | 4065685  | 52.75  | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 23.11 | 252  | 3226314  | 53.06  | nq    | # 93     |
| 88) Benzo(k)fluoranthene       | 23.16 | 252  | 3135356  | 52.63  | nq    | # 95     |
| 89) Benzo(a)pyrene             | 23.73 | 252  | 3095374  | 53.42  | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 26.26 | 278  | 3356363  | 51.80  | nq    | # 92     |
| 91) Benzo(g,h,i)perylene       | 27.00 | 276  | 3277693  | 51.63  | nq    | # 86     |

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



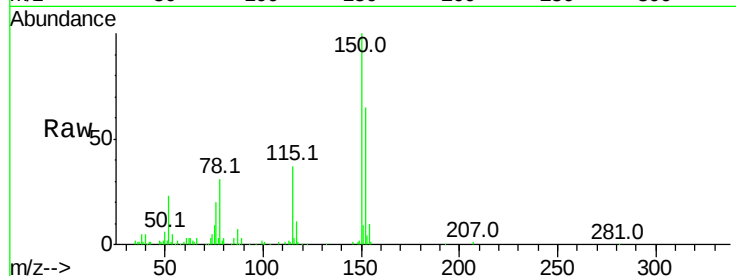


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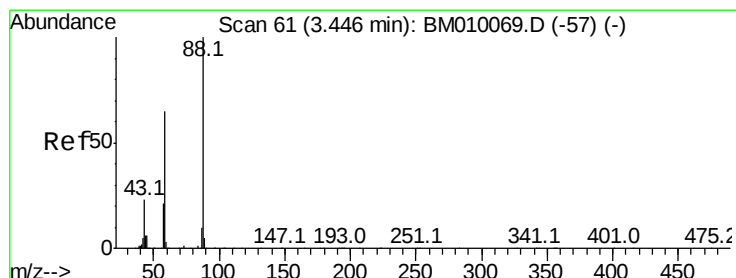
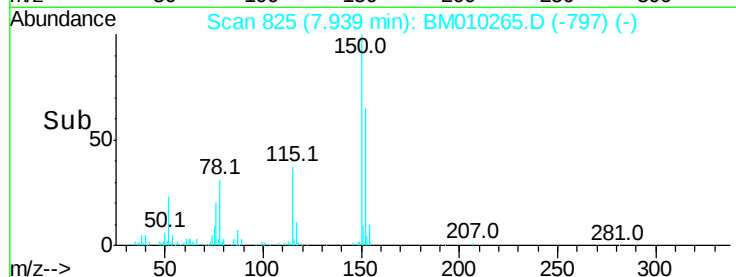
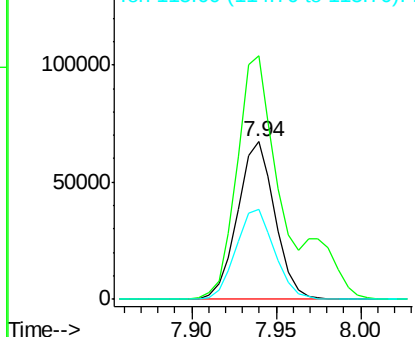
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.94 min Scan# 825  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 119.5 | 179.3 |
| 115     | 57.0  | 43.0  | 64.4  |



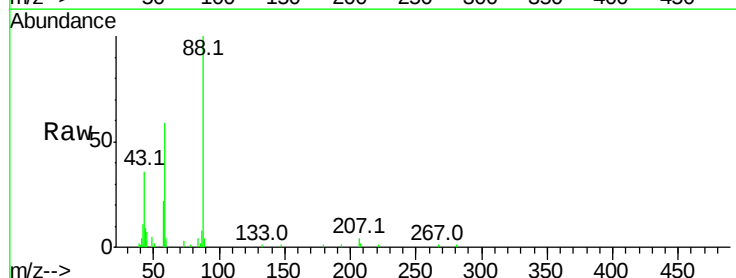
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



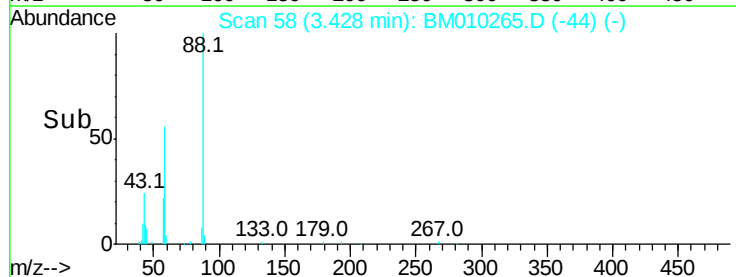
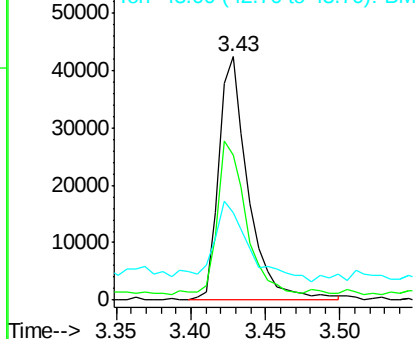
#2

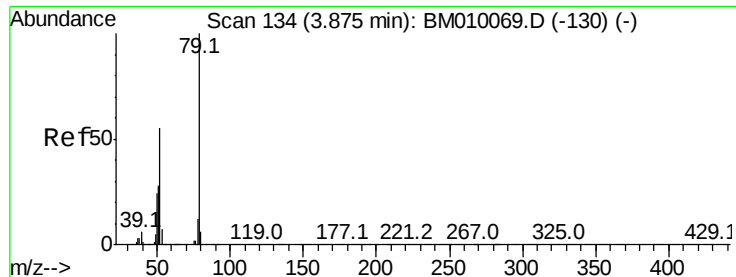
1,4-Dioxane  
Concen: 22.51 ng  
RT: 3.43 min Scan# 58  
Delta R.T. -0.02 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.0  | 0.0   | 0.0#  |
| 43      | 39.9  | 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: 16.52 ng

RT: 3.85 min Scan# 130

Delta R.T. -0.02 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

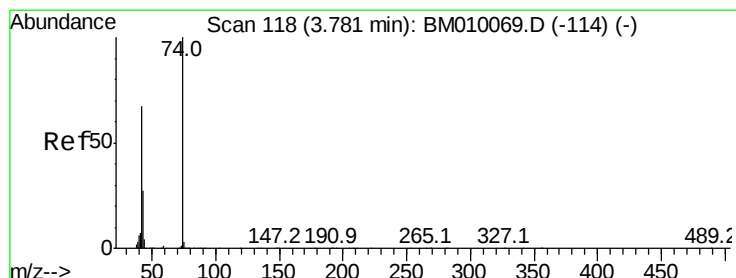
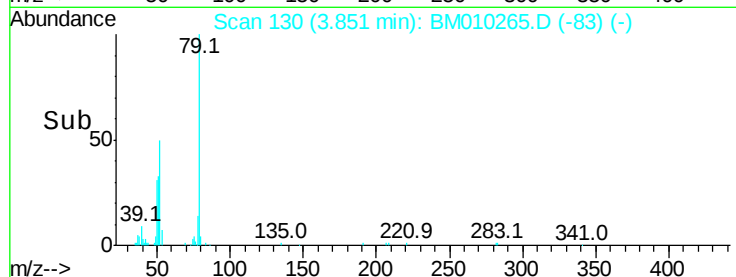
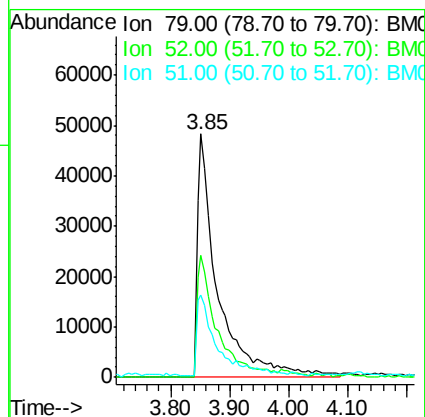
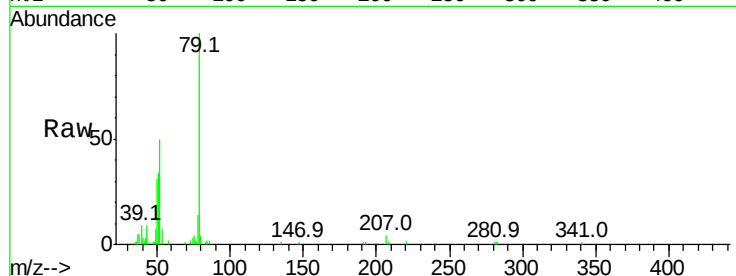
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 79 Resp: 115905

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 50.1  | 51.1  | 76.7# |
| 51  | 33.8  | 26.1  | 39.1  |



#4

n-Nitrosodimethylamine

Concen: 31.15 ng

RT: 3.76 min Scan# 114

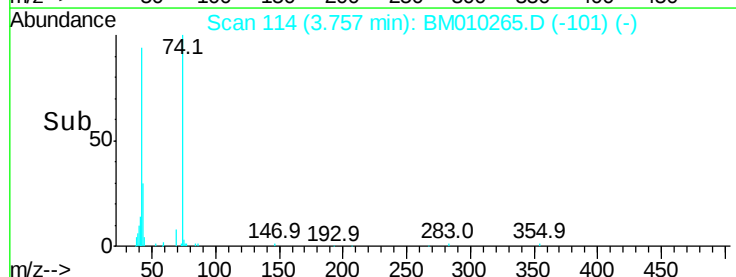
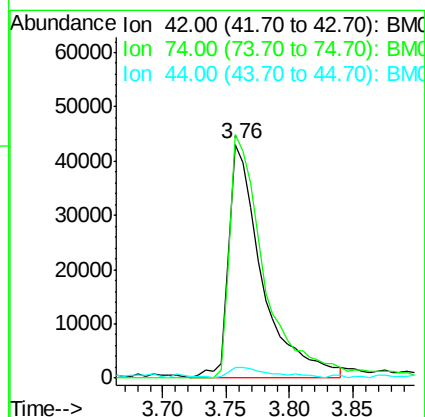
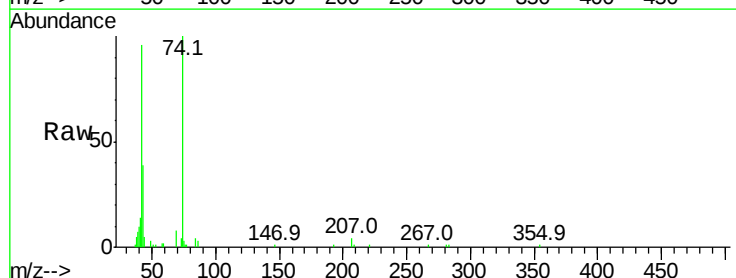
Delta R.T. -0.02 min

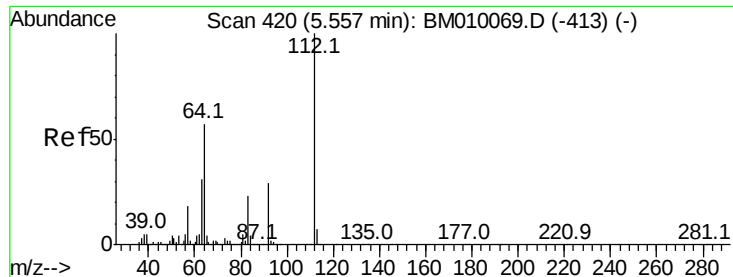
Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion: 42 Resp: 79028

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 42  | 100   |       |        |
| 74  | 104.2 | 119.3 | 178.9# |
| 44  | 4.8   | 5.4   | 8.2#   |





#5

2-Fluorophenol

Concen: 76.34 ng

RT: 5.52 min Scan# 414

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampled :

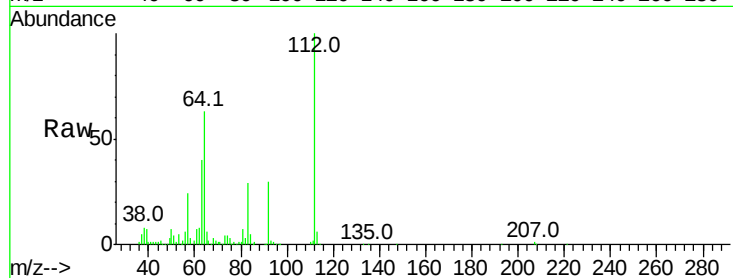
Tot Ion:112 Resp: 435316

Ion Ratio Lower Upper

112 100

64 63.1 38.6 57.8#

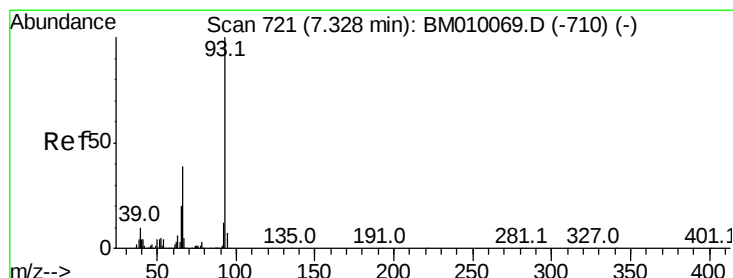
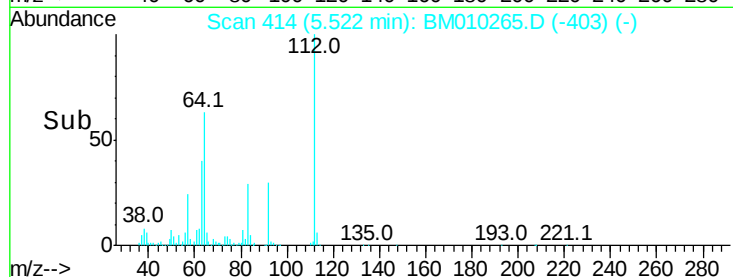
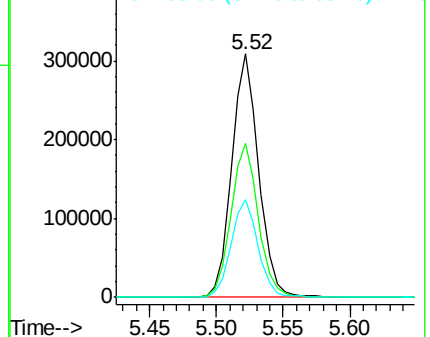
63 40.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 24.10 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

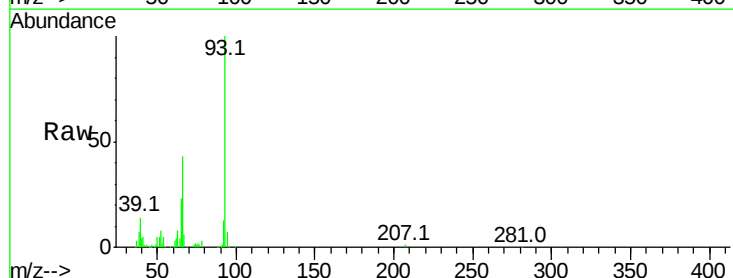
Tgt Ion: 93 Resp: 219100

Ion Ratio Lower Upper

93 100

66 43.5 30.8 46.2

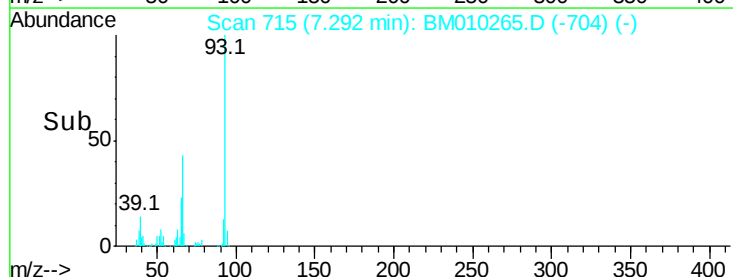
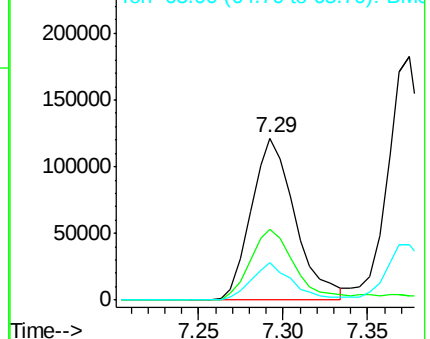
65 22.8 16.0 24.0

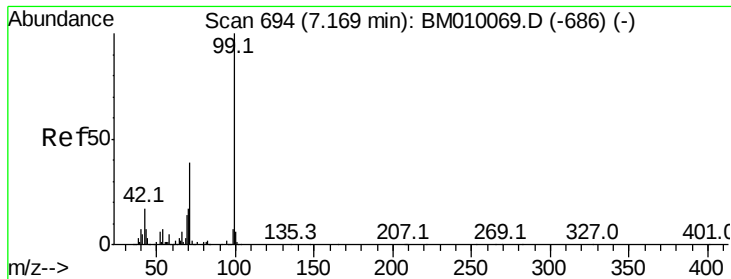


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 46.84 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

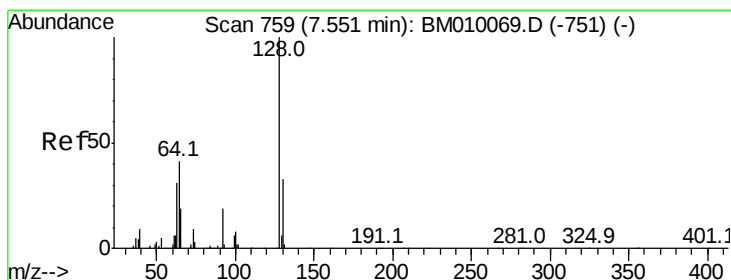
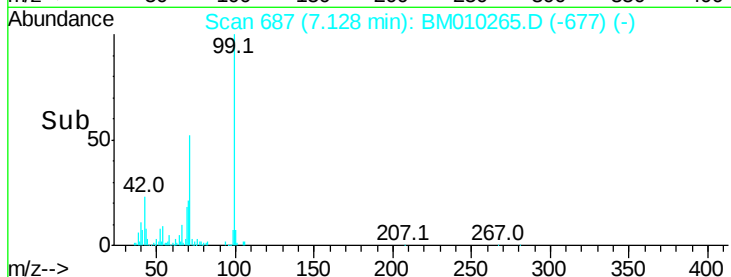
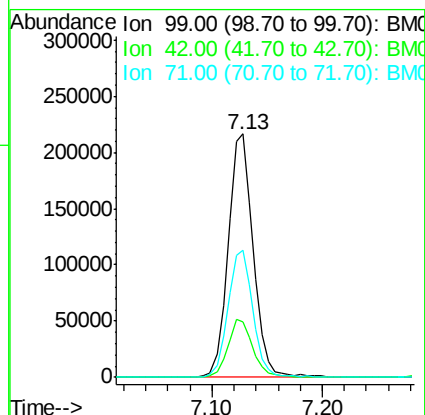
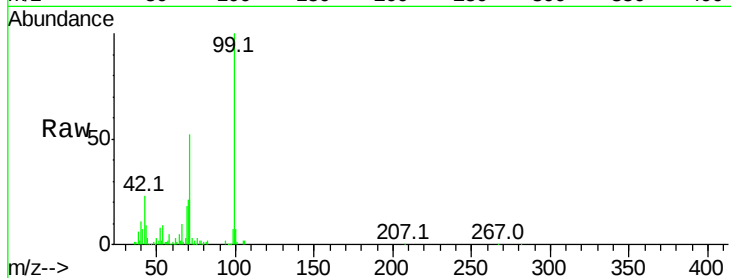
Tot Ion: 99 Resp: 343670

Ion Ratio Lower Upper

99 100

42 22.8 11.0 16.4#

71 52.2 23.4 35.2#



#8

2-Chlorophenol

Concen: 40.67 ng

RT: 7.51 min Scan# 752

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

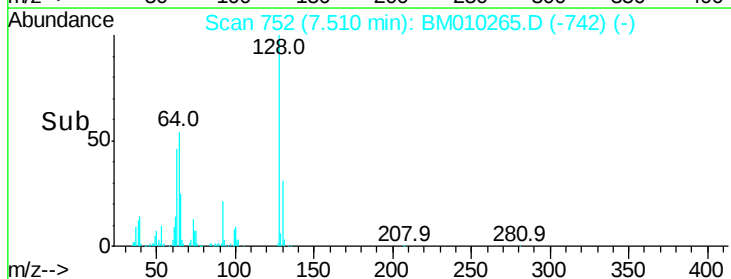
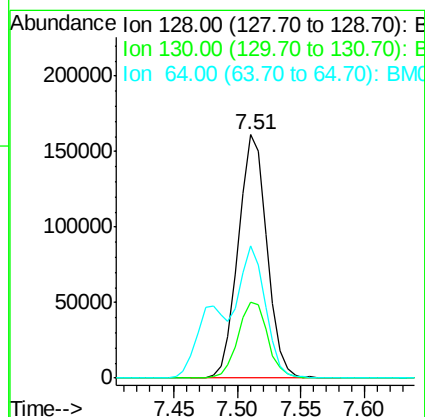
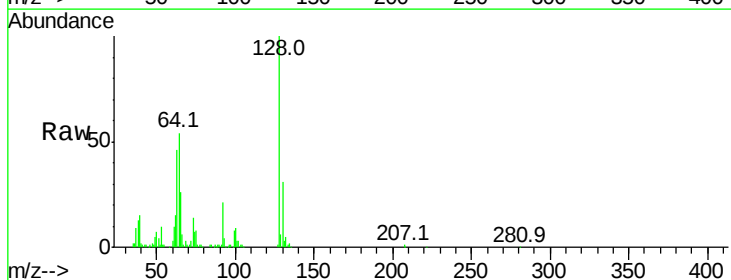
Tgt Ion: 128 Resp: 252320

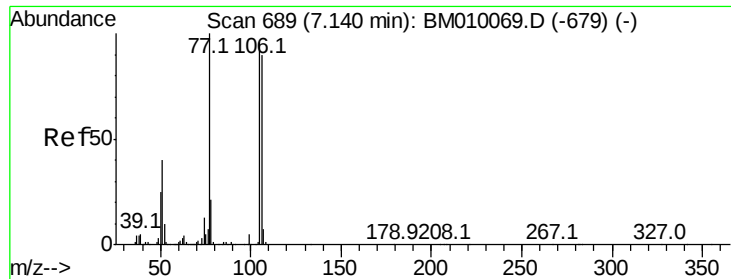
Ion Ratio Lower Upper

128 100

130 31.4 12.0 52.0

64 54.1 24.9 64.9





#9

Benzaldehyde

Concen: 17.35 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

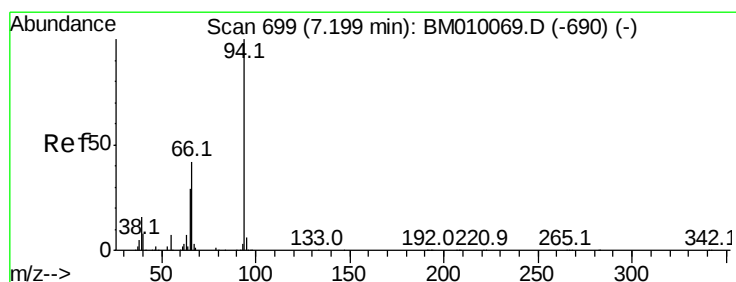
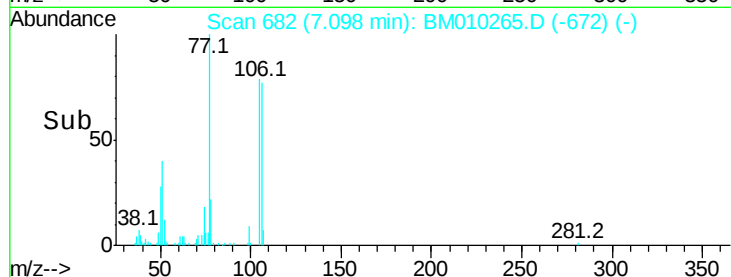
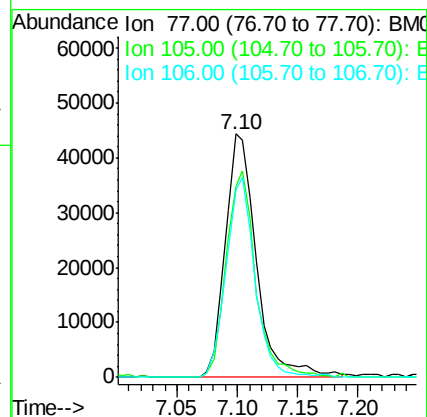
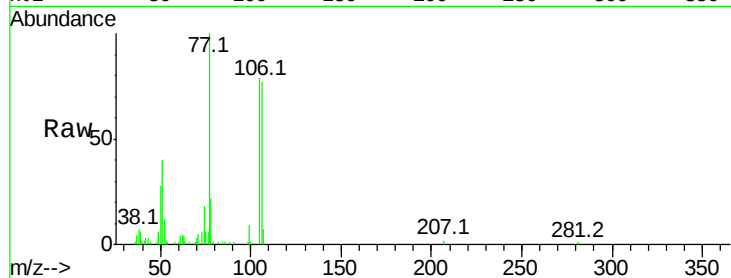
Tot Ion: 77 Resp: 79261

Ion Ratio Lower Upper

77 100

105 78.7 78.8 118.8#

106 76.9 73.7 113.7



#10

Phenol

Concen: 16.82 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.05 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

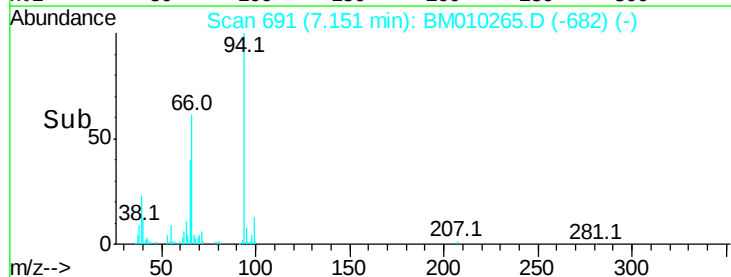
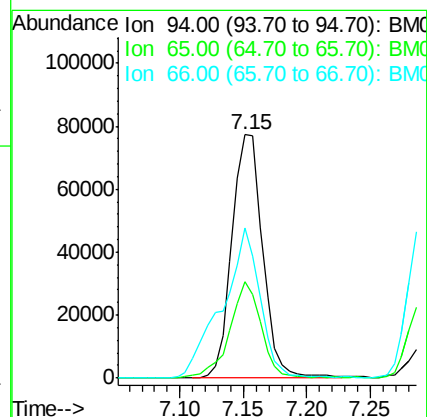
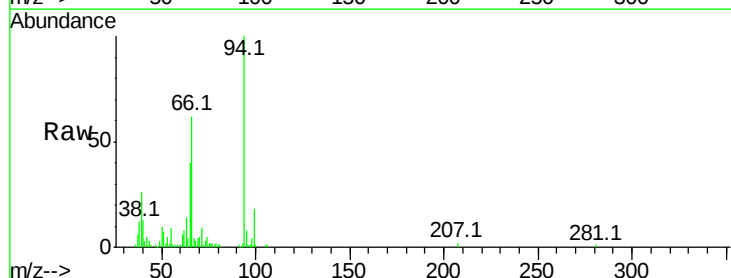
Tgt Ion: 94 Resp: 130073

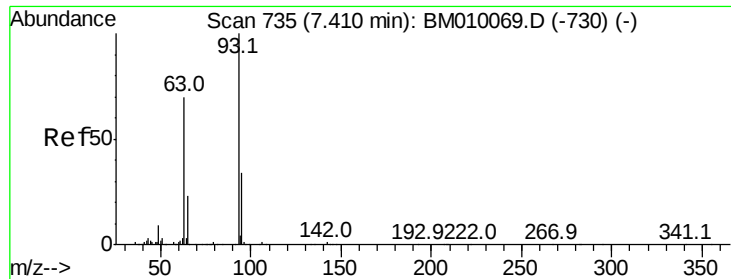
Ion Ratio Lower Upper

94 100

65 39.6 18.8 58.8

66 61.9 39.9 79.9

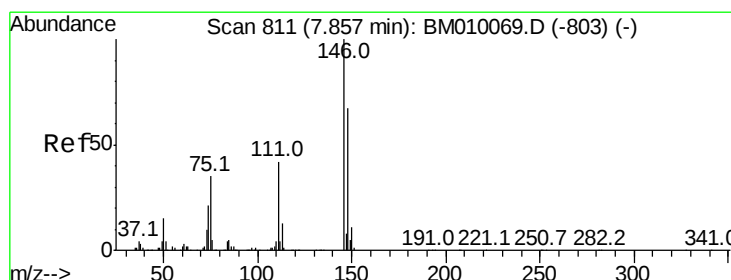
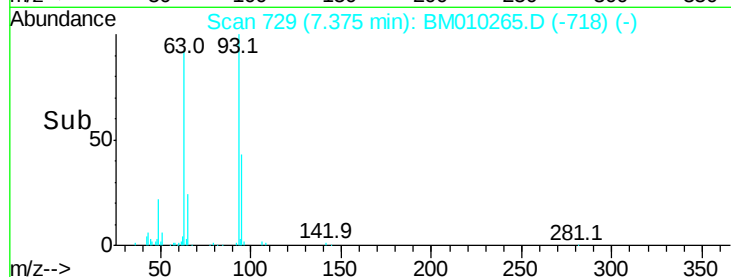
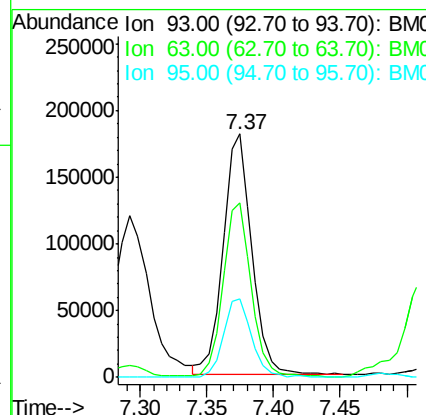
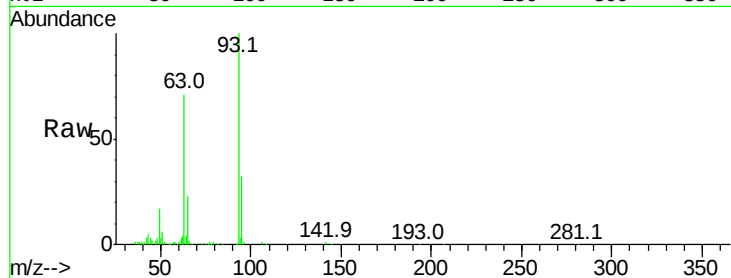




#11  
bis(2-Chloroethyl)ether  
Concen: 47.17 ng  
RT: 7.37 min Scan# 729  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

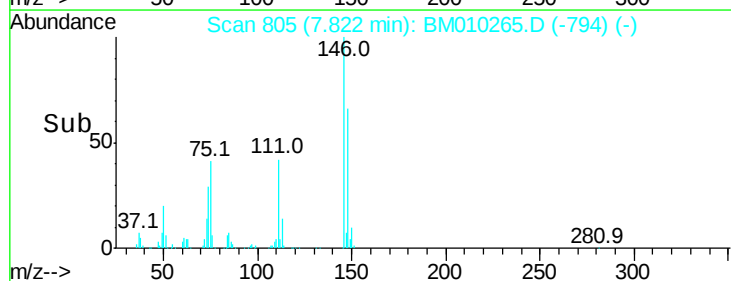
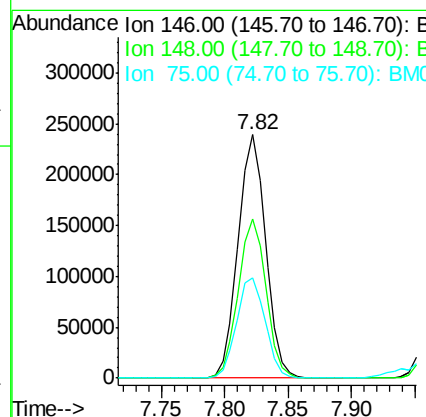
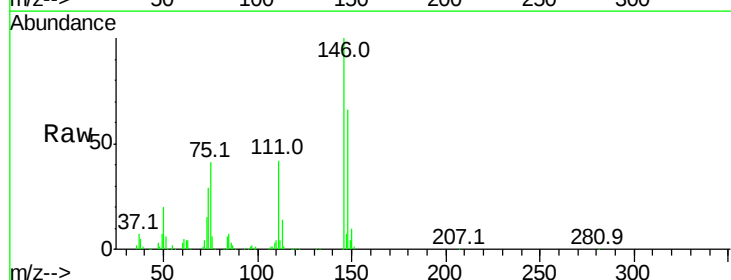
Instrument :  
BNA\_M  
ClientSampled :

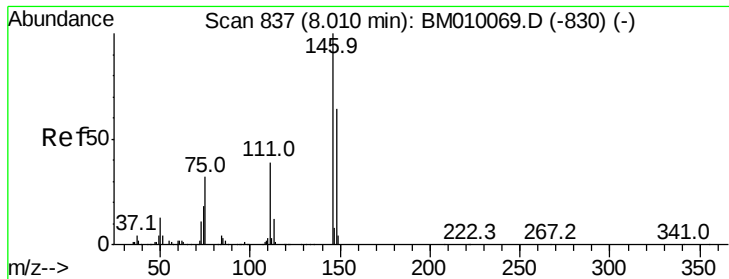
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.4  | 49.5  | 89.5  |
| 95      | 32.3  | 13.5  | 53.5  |



#12  
1,3-Dichlorobenzene  
Concen: 45.71 ng  
RT: 7.82 min Scan# 805  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.5  | 50.9  | 76.3  |
| 75      | 40.9  | 21.4  | 32.2  |

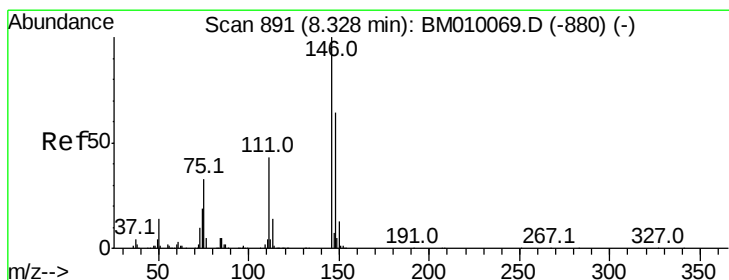
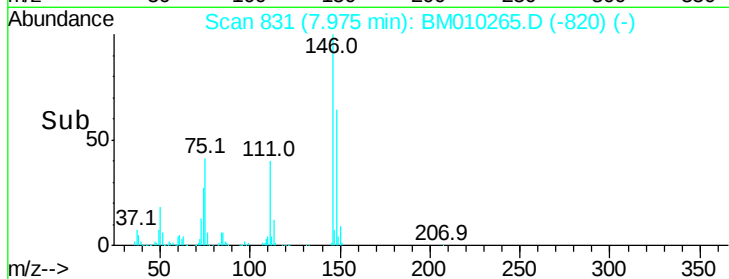
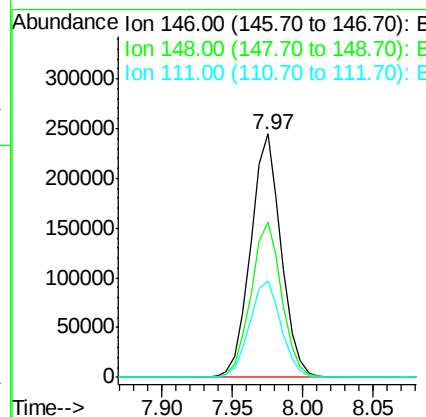
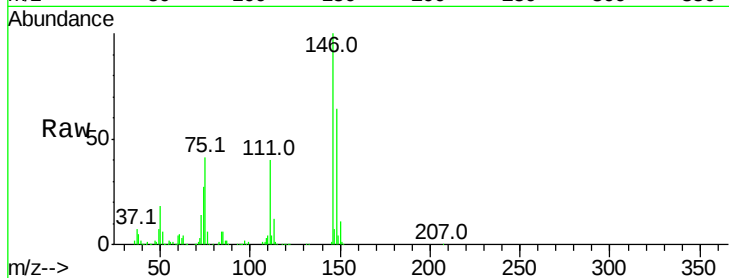




#13  
 1,4-Dichlorobenzene  
 Concen: 45.67 ng  
 RT: 7.97 min Scan# 831  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

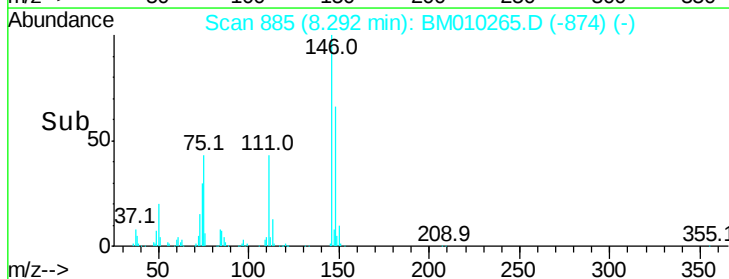
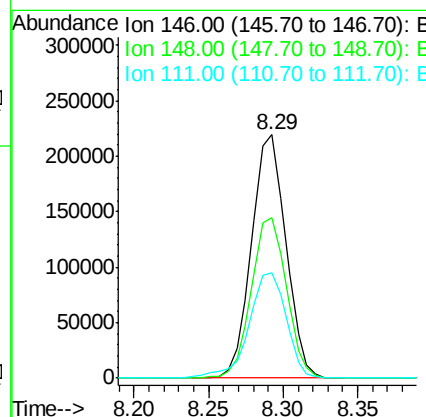
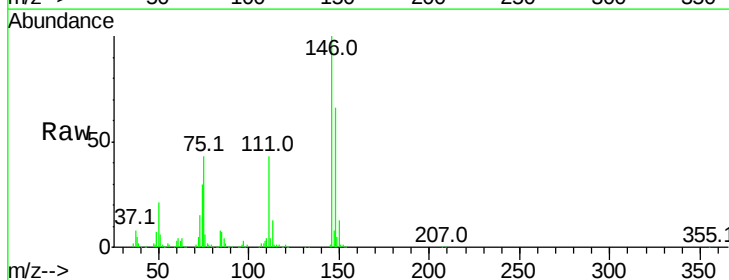
Instrument :  
 BNA\_M  
 ClientSampleId :

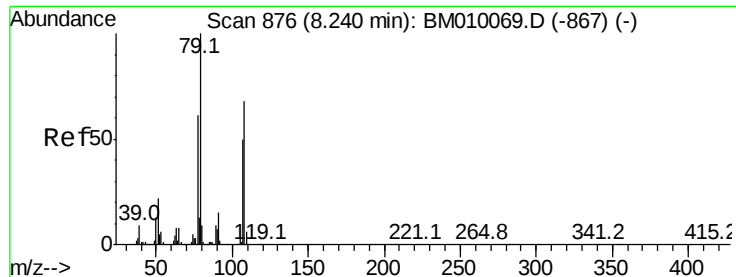
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 51.9  | 77.9  |
| 111     | 39.7  | 29.2  | 43.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 44.97 ng  
 RT: 8.29 min Scan# 885  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.9  | 52.3  | 78.5  |
| 111     | 43.4  | 30.6  | 45.8  |





#15

Benzyl Alcohol

Concen: 29.97 ng

RT: 8.20 min Scan# 869

Delta R.T. -0.04 min

Lab File: BM010265.D

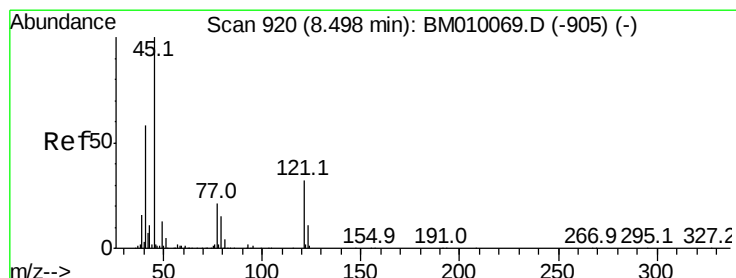
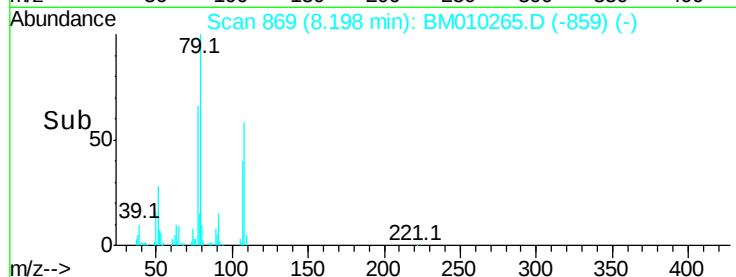
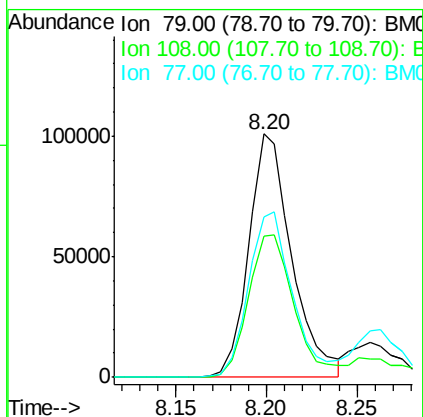
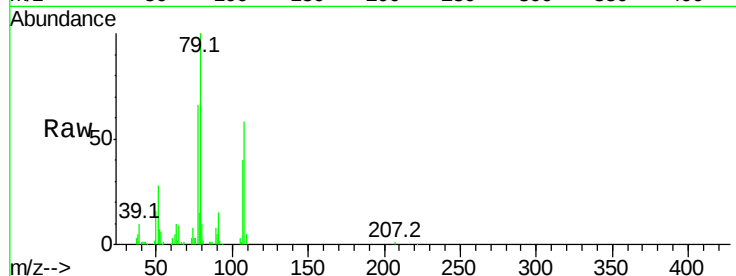
Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 166403 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 58.2  | 65.0  | 97.4#  |
| 77       | 65.7  | 53.0  | 79.6   |



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.48 ng

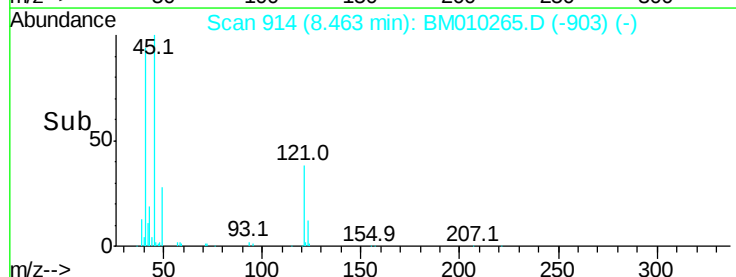
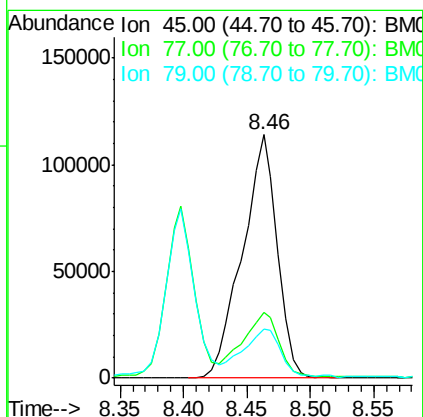
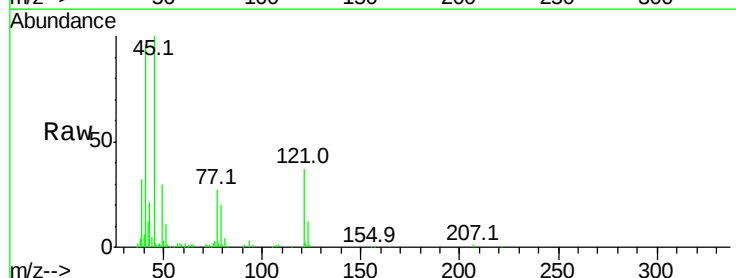
RT: 8.46 min Scan# 914

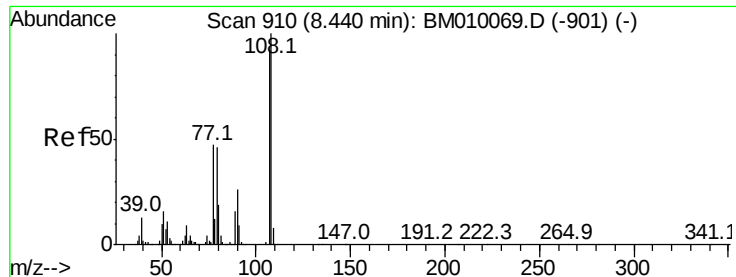
Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 218088 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 26.9  | 0.0   | 35.2   |
| 79       | 20.4  | 0.0   | 32.0   |





#17

2-Methylphenol

Concen: 34.30 ng

RT: 8.40 min Scan# 903

Delta R.T. -0.04 min

Lab File: BM010265.D

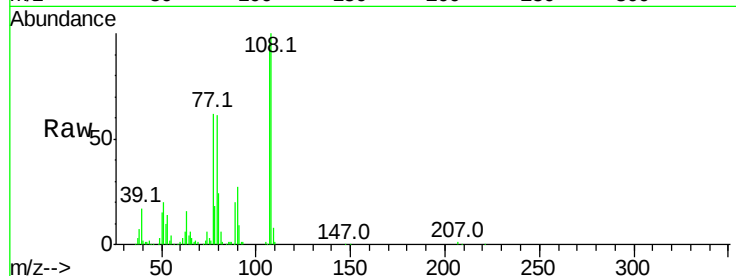
Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 188747 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 105.0 | 89.8  | 134.8  |
| 77       | 65.2  | 32.6  | 48.8#  |
| 79       | 64.3  | 32.8  | 49.2#  |

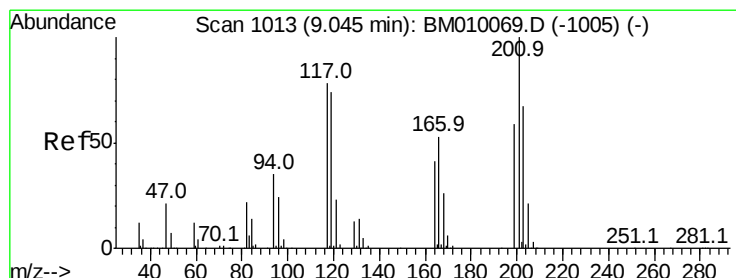
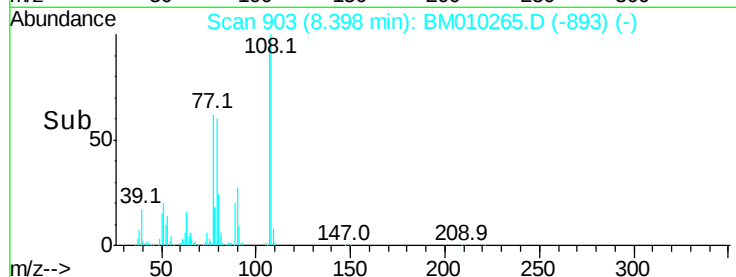
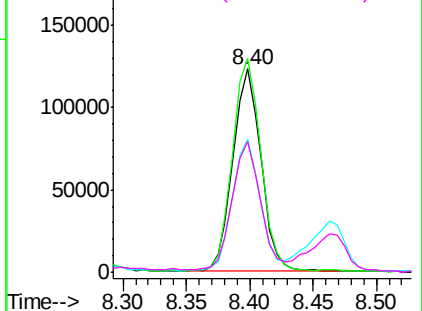


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 48.52 ng

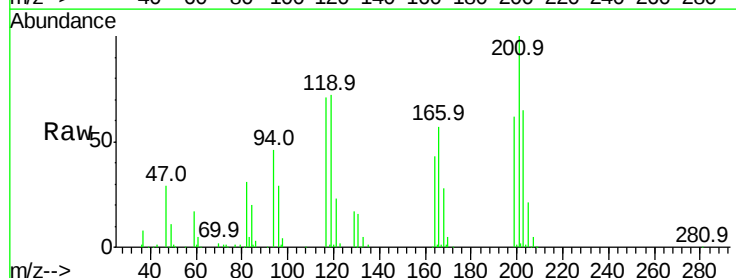
RT: 9.01 min Scan# 1007

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

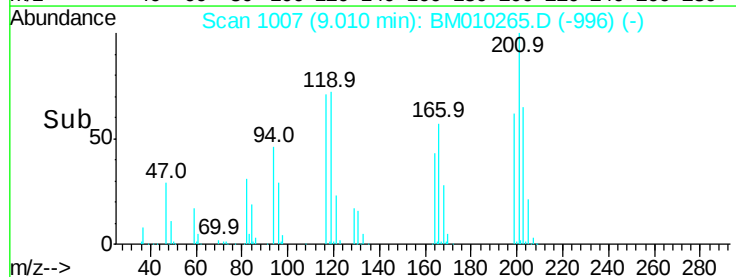
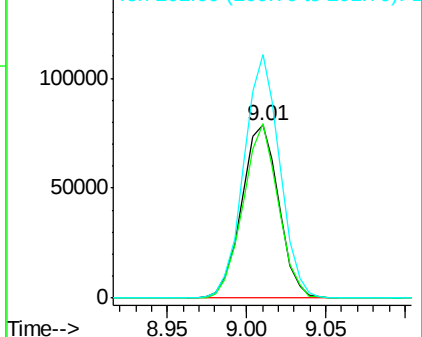
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 127399 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 100.9 | 79.2  | 118.8  |
| 201      | 141.0 | 69.8  | 104.6# |

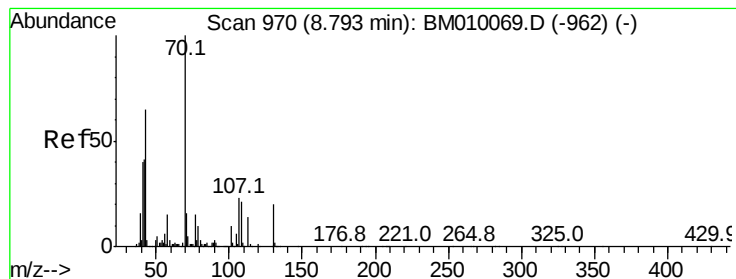


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 53.51 ng

RT: 8.75 min Scan# 962

Delta R.T. -0.05 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampled :

Tot Ion: 70 Resp: 277125

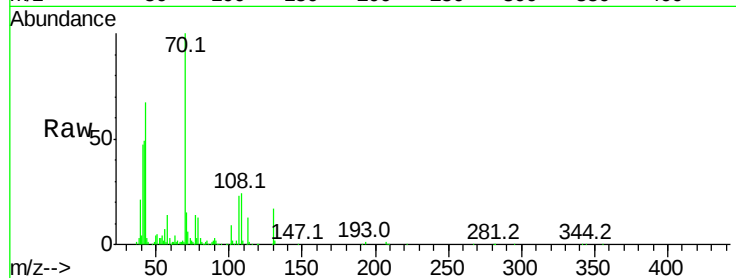
Ion Ratio Lower Upper

70 100

42 49.1 44.5 66.7

101 8.9 7.4 11.2

130 16.7 15.3 22.9

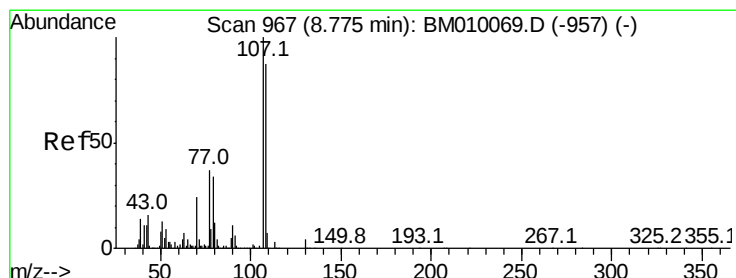
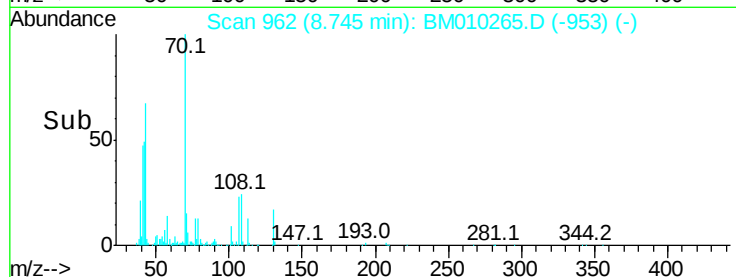
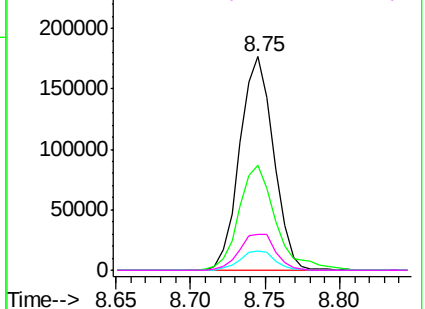


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 31.04 ng

RT: 8.73 min Scan# 959

Delta R.T. -0.05 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion: 107 Resp: 230658

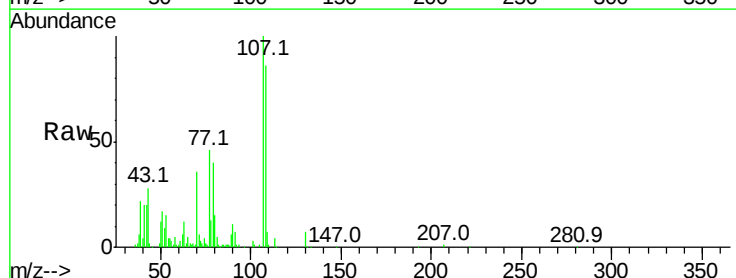
Ion Ratio Lower Upper

107 100

108 85.9 73.2 113.2

77 45.8 10.7 50.7

79 39.8 9.6 49.6

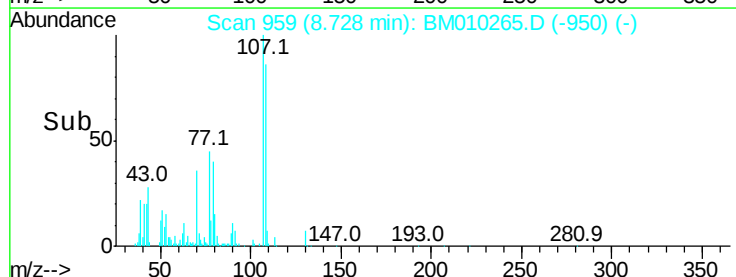
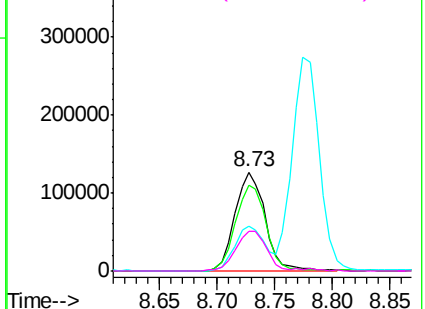


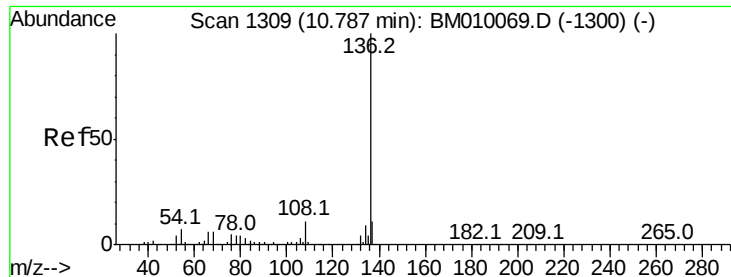
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0

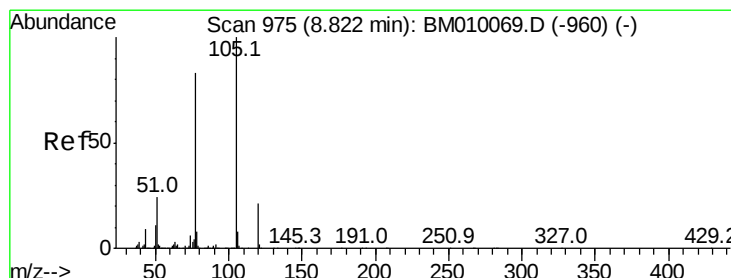
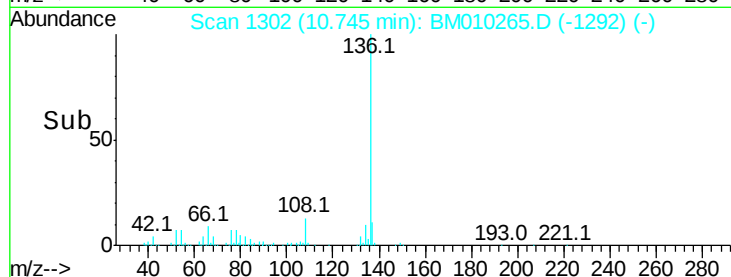
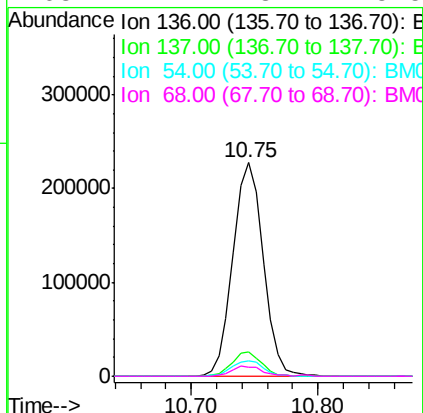
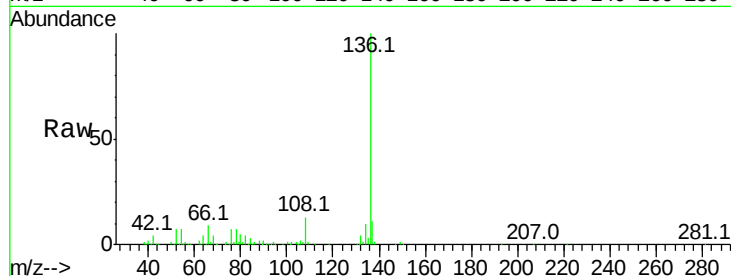




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.75 min Scan# 1302  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

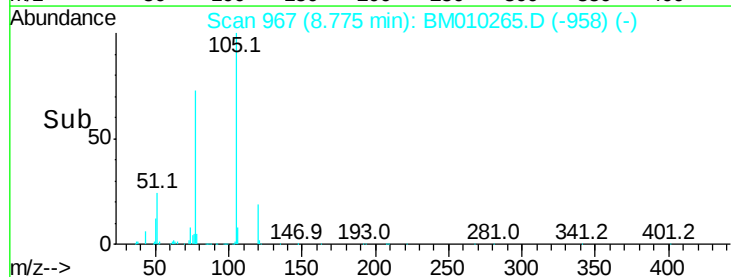
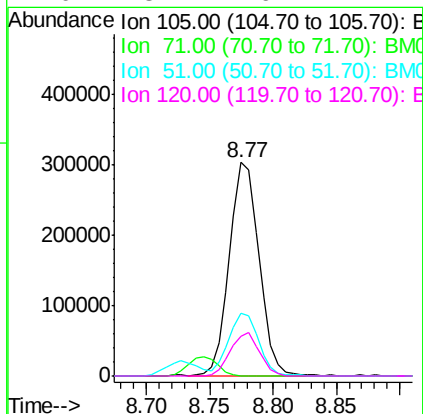
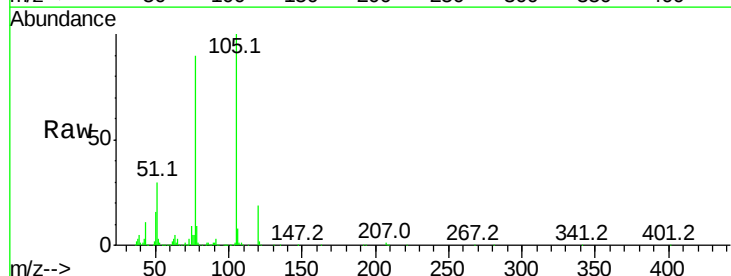
Instrument :  
BNA\_M  
ClientSampleId :

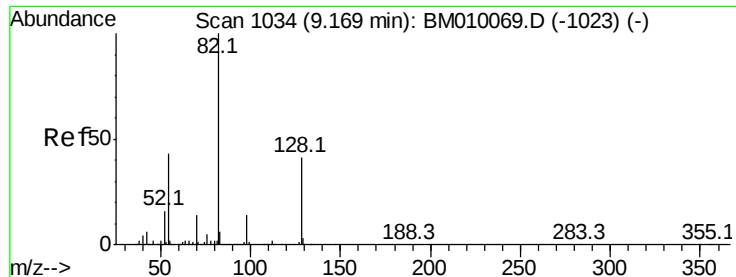
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 376648 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.5    | 8.7   | 13.1   |
| 54 7.1      | 4.6   | 6.8#   |
| 68 4.2      | 3.7   | 5.5    |



#22  
Acetophenone  
Concen: 50.64 ng  
RT: 8.77 min Scan# 967  
Delta R.T. -0.05 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 488943 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.2     | 0.6   | 1.0#   |
| 51  | 29.5    | 21.6  | 32.4   |
| 120 | 18.7    | 16.1  | 24.1   |

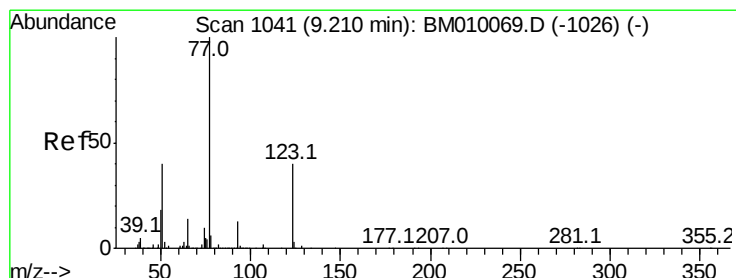
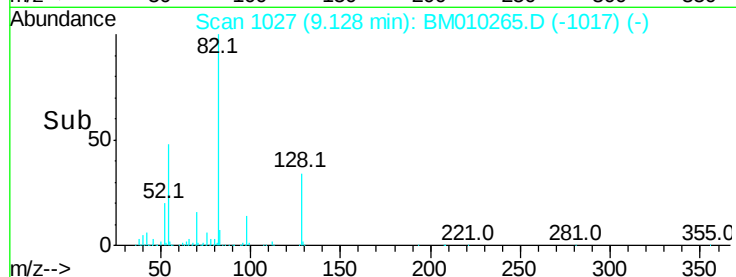
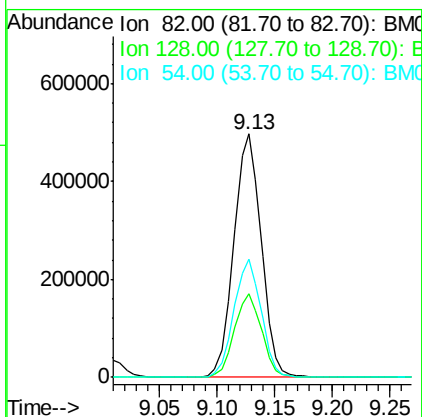
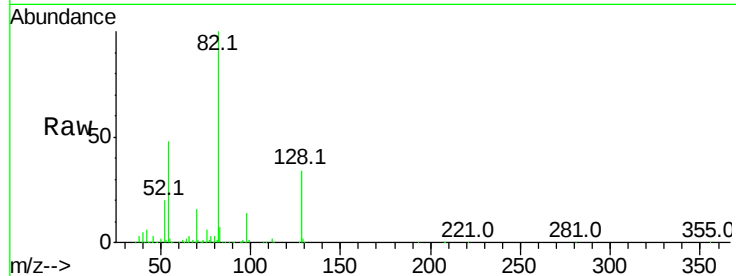




#23  
Nitrobenzene-d5  
Concen: 117.12 ng  
RT: 9.13 min Scan# 1027  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

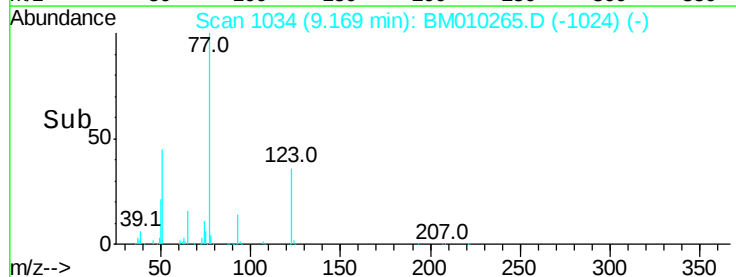
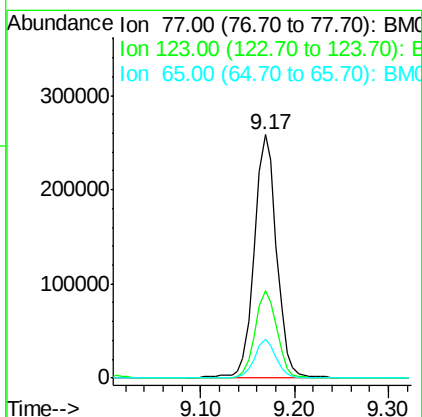
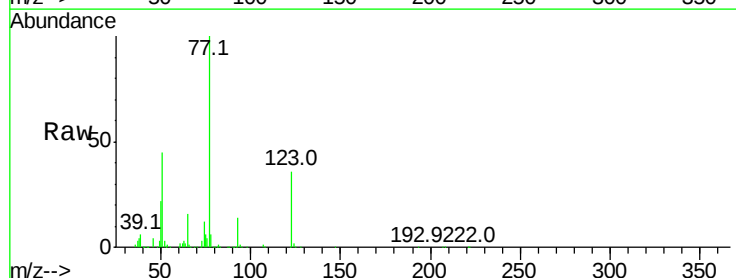
Instrument :  
BNA\_M  
ClientSampleId :

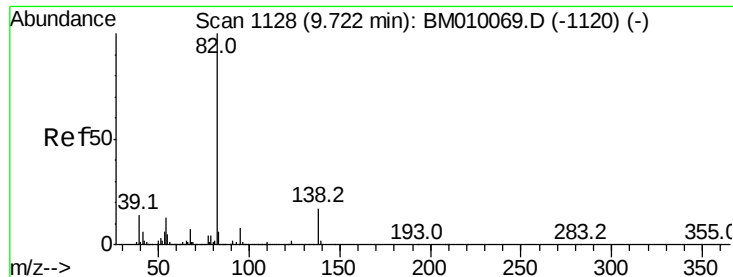
| Tot Ion   | 82    | Resp  | 817675 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.4  | 32.8  | 49.2   |
| 54        | 48.4  | 40.6  | 60.8   |



#24  
Nitrobenzene  
Concen: 59.54 ng  
RT: 9.17 min Scan# 1034  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion   | 77    | Resp  | 428213 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 35.9  | 32.6  | 49.0   |
| 65        | 15.7  | 10.9  | 16.3   |





#25

Isophorone

Concen: 57.15 ng

RT: 9.67 min Scan# 1120

Delta R.T. -0.05 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

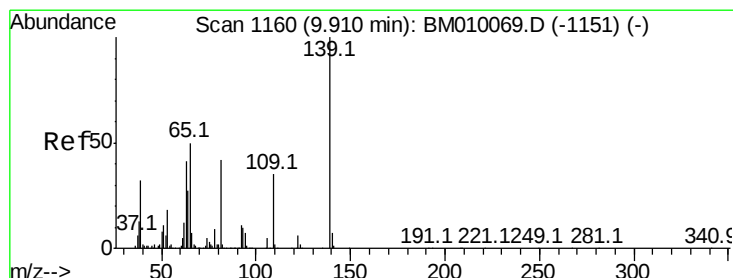
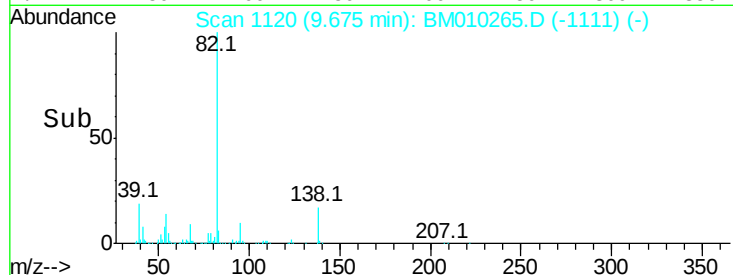
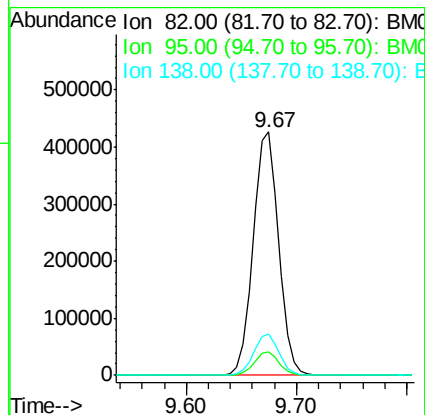
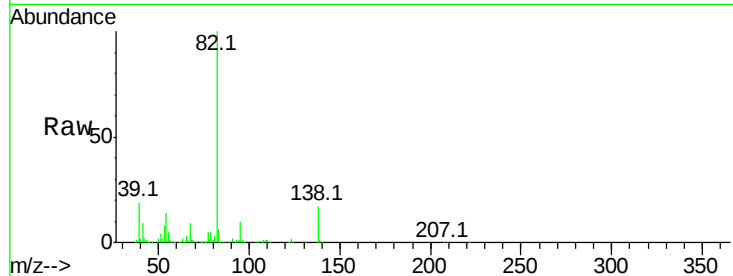
Tot Ion: 82 Resp: 689464

Ion Ratio Lower Upper

82 100

95 9.7 5.8 8.6#

138 17.0 16.3 24.5



#26

2-Nitrophenol

Concen: 52.36 ng

RT: 9.87 min Scan# 1153

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

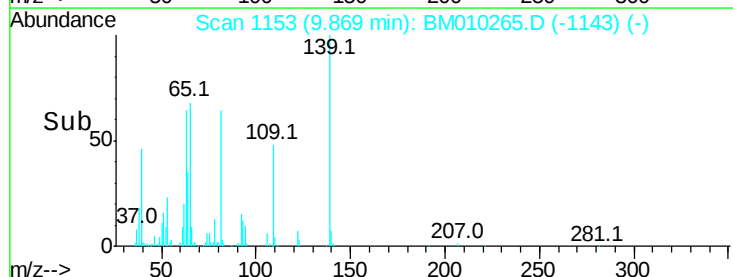
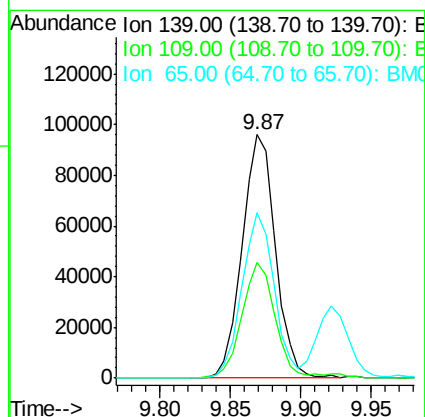
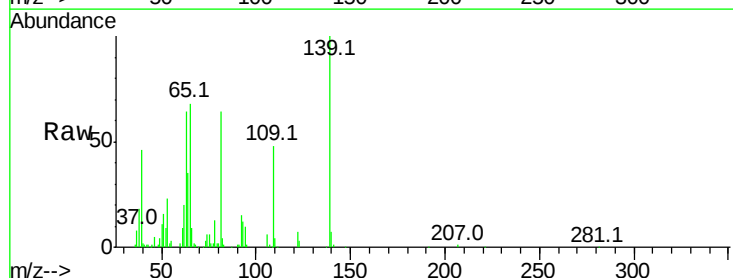
Tgt Ion: 139 Resp: 158718

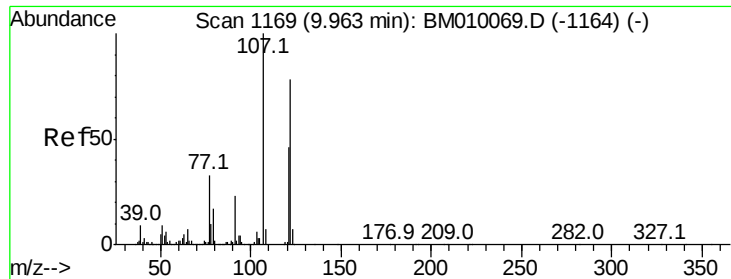
Ion Ratio Lower Upper

139 100

109 47.7 20.1 30.1#

65 68.2 31.5 47.3#

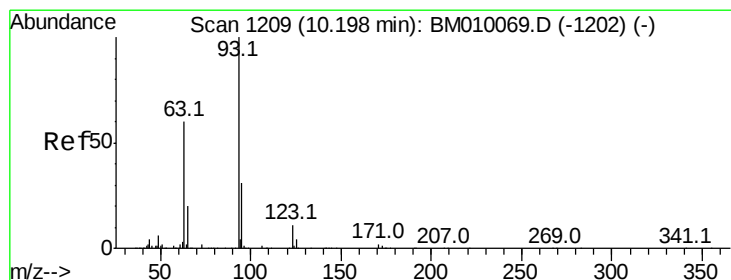
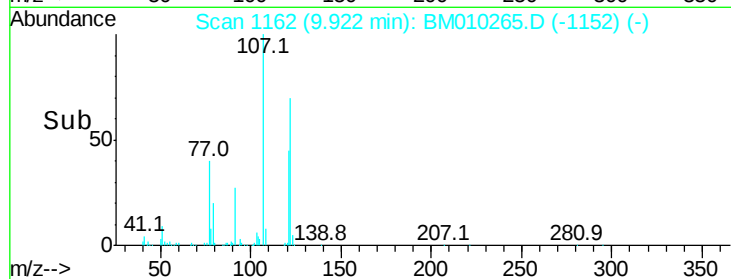
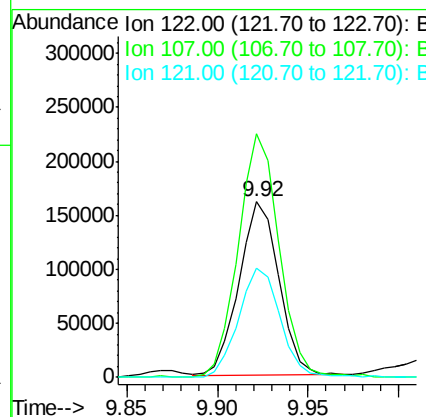
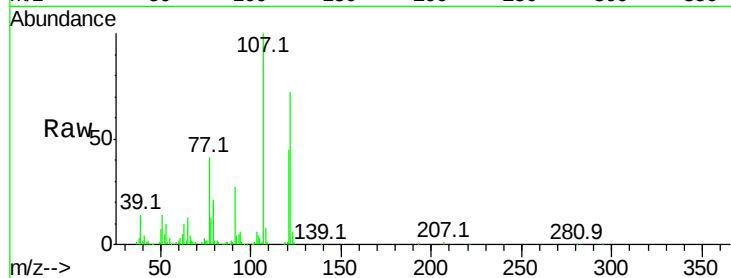




#27  
 2,4-Dimethylphenol  
 Concen: 45.07 ng  
 RT: 9.92 min Scan# 1162  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

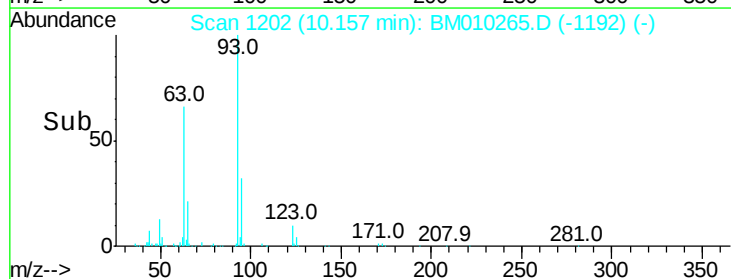
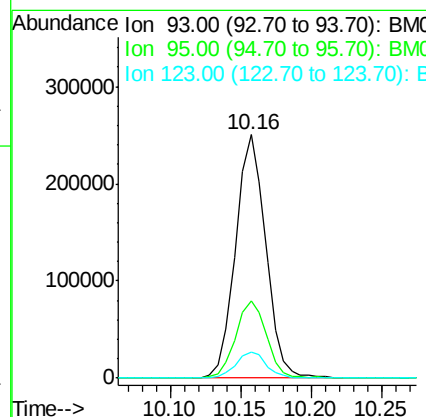
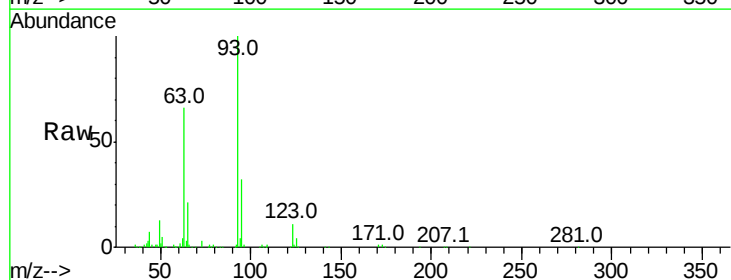
Instrument :  
 BNA\_M  
 ClientSampleId :

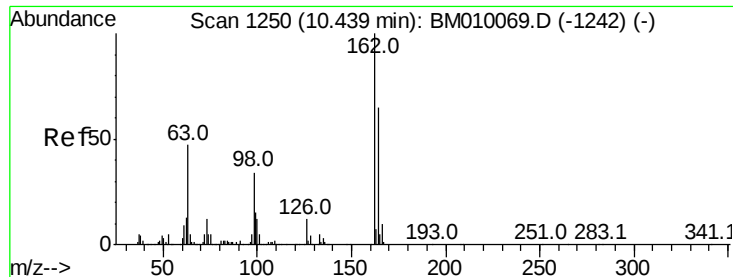
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 138.6 | 84.7  | 127.1# |
| 121     | 62.5  | 46.6  | 69.8   |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 48.94 ng  
 RT: 10.16 min Scan# 1202  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.9  | 25.5  | 38.3  |
| 123     | 10.5  | 8.6   | 13.0  |

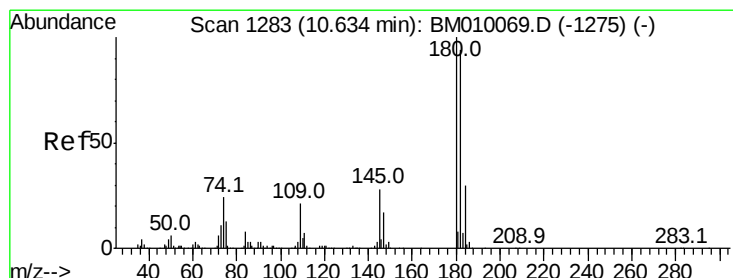
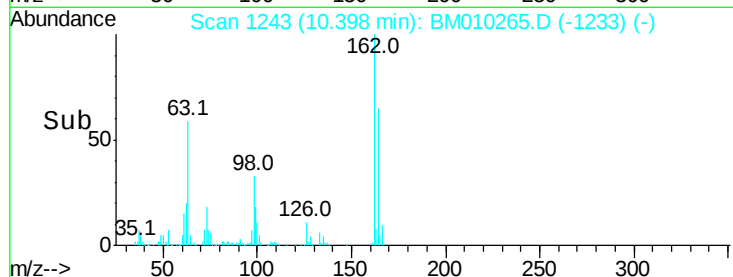
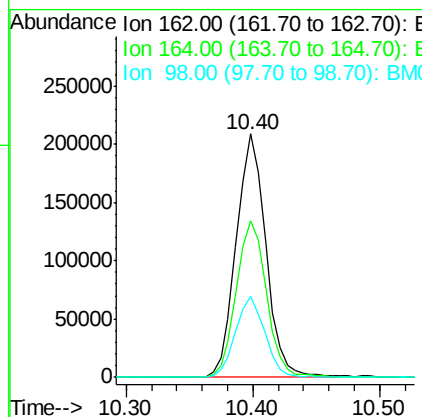
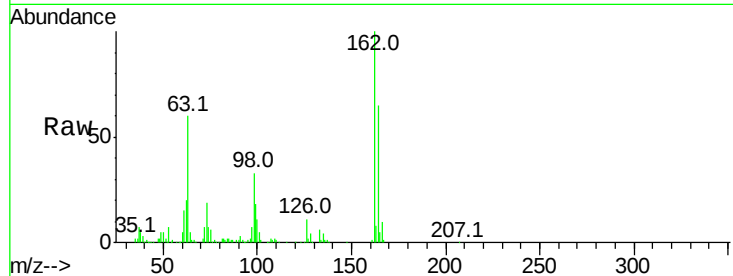




#29  
2,4-Dichlorophenol  
Concen: 53.80 ng  
RT: 10.40 min Scan# 1243  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

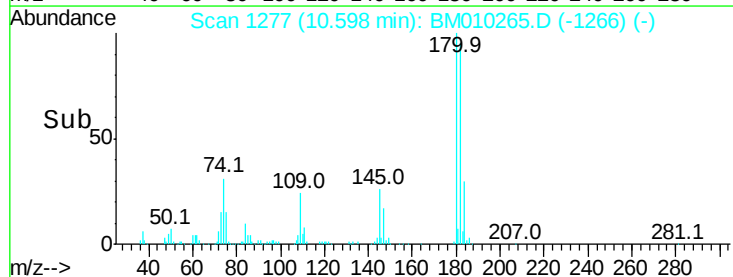
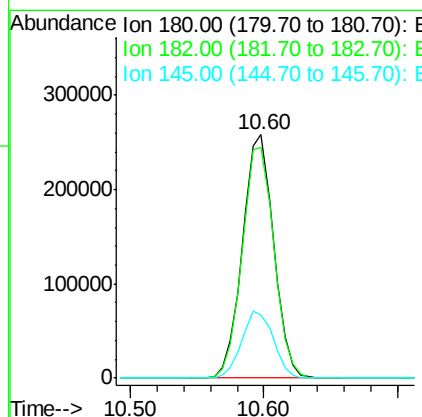
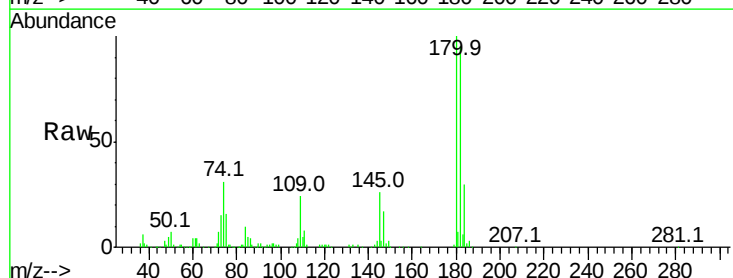
Instrument :  
BNA\_M  
ClientSampleId :

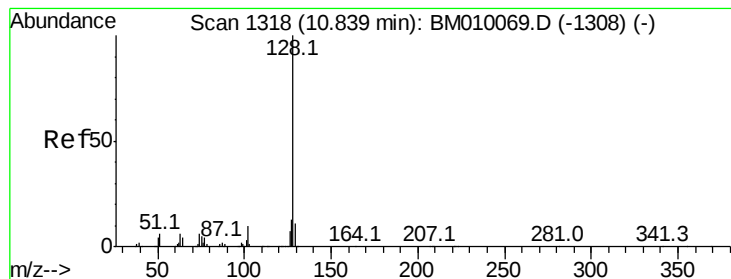
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 42.8  | 82.8  |
| 98      | 33.0  | 14.5  | 54.5  |



#30  
1,2,4-Trichlorobenzene  
Concen: 50.95 ng  
RT: 10.60 min Scan# 1277  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 77.6  | 116.4 |
| 145     | 25.9  | 23.4  | 35.2  |





#31

Naphthalene

Concen: 46.12 ng

RT: 10.80 min Scan# 1311

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

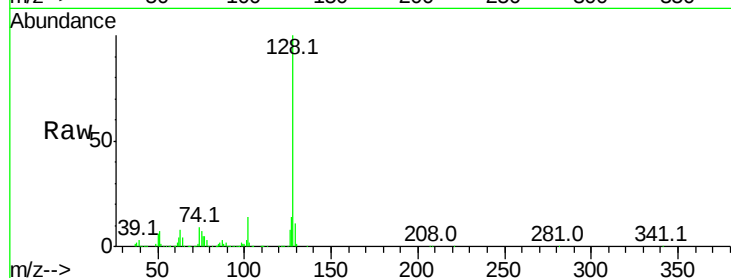
Tot Ion:128 Resp: 929164

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

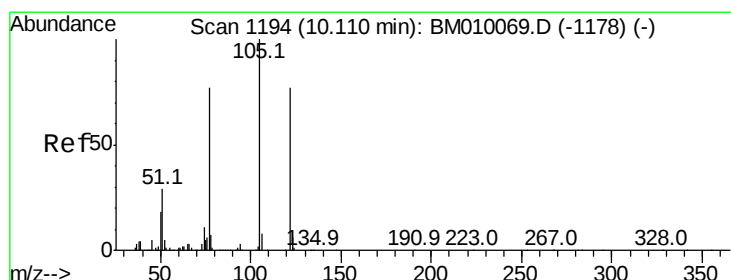
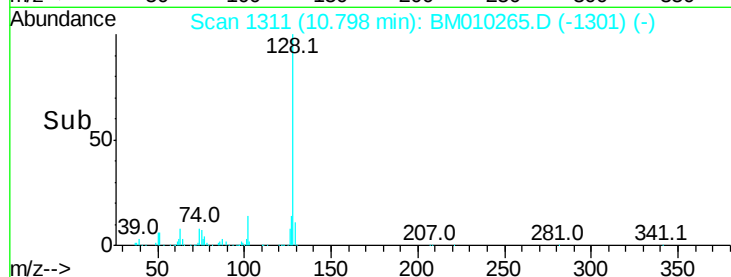
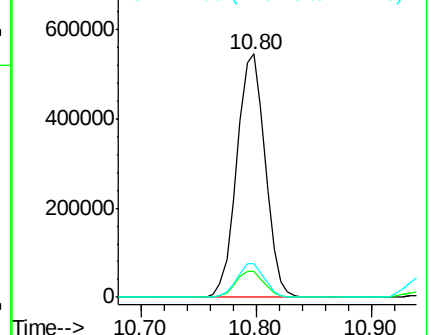
127 13.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.69 ng

RT: 10.03 min Scan# 1180

Delta R.T. -0.08 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

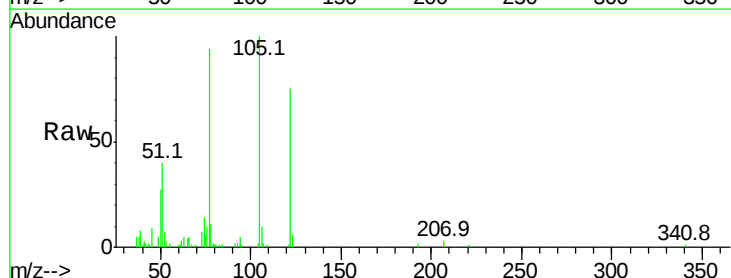
Tgt Ion:122 Resp: 58540

Ion Ratio Lower Upper

122 100

105 133.3 99.9 139.9

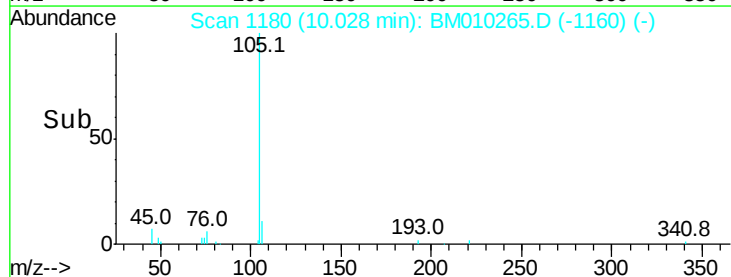
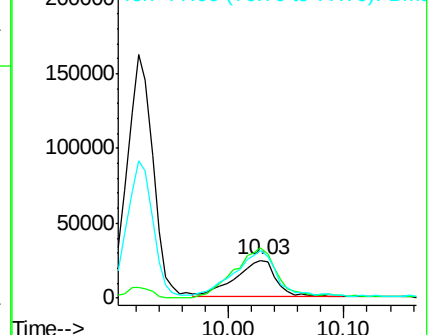
77 125.9 73.7 113.7#

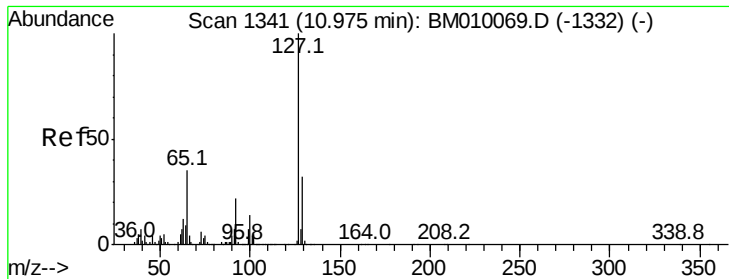


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

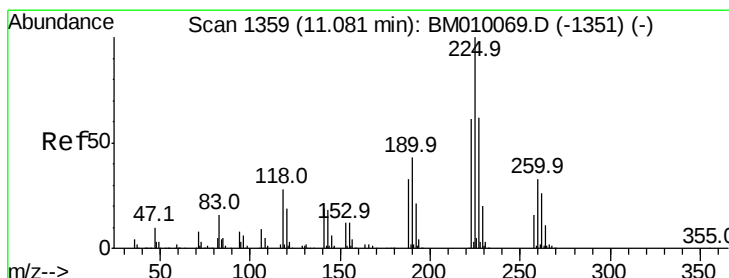
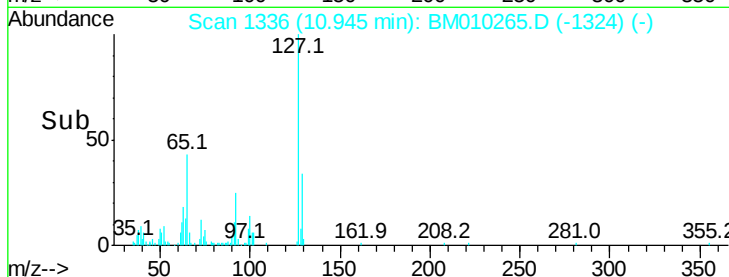
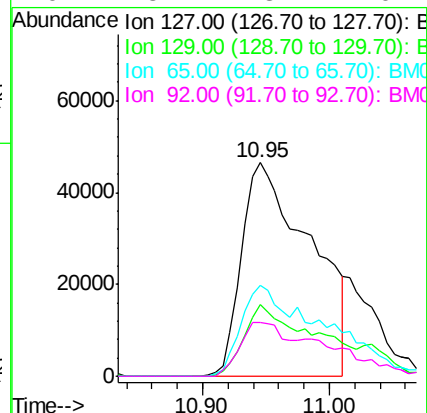
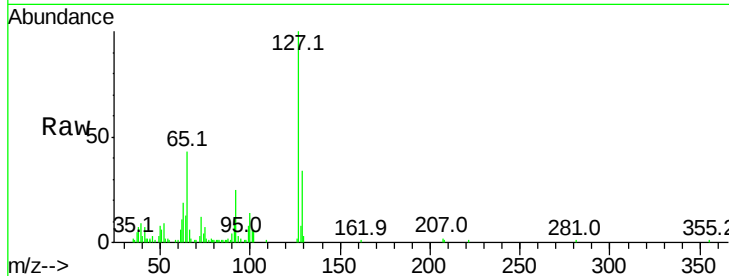




#33  
4-Chloroaniline  
Concen: 22.62 ng  
RT: 10.95 min Scan# 1336  
Delta R.T. -0.03 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

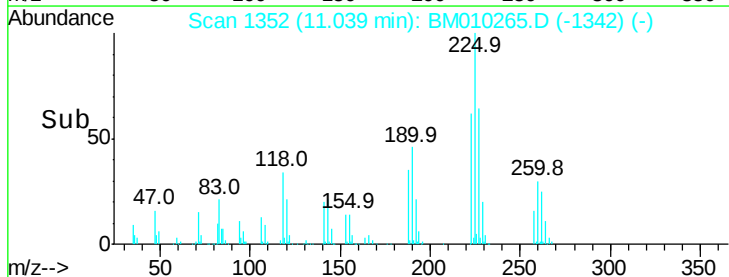
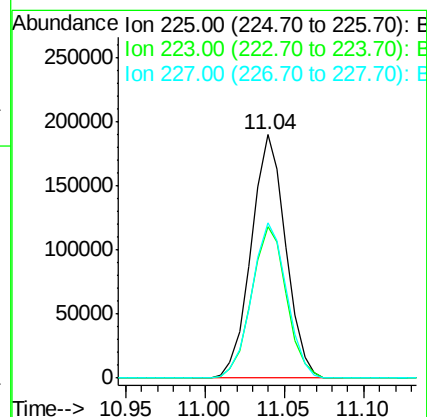
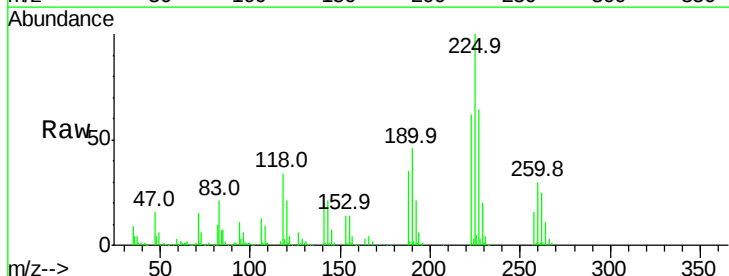
Instrument :  
BNA\_M  
ClientSampleId :

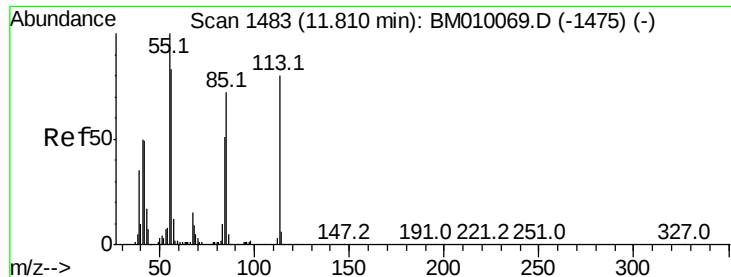
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.7  | 25.3  | 37.9  |
| 65      | 42.5  | 17.6  | 26.4  |
| 92      | 25.2  | 13.1  | 19.7  |



#34  
Hexachlorobutadiene  
Concen: 52.79 ng  
RT: 11.04 min Scan# 1352  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.1  | 47.9  | 71.9  |
| 227     | 63.8  | 50.1  | 75.1  |

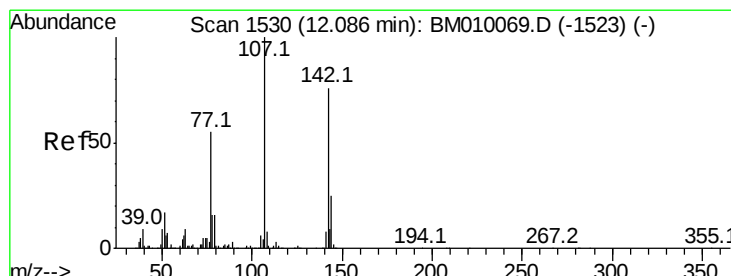
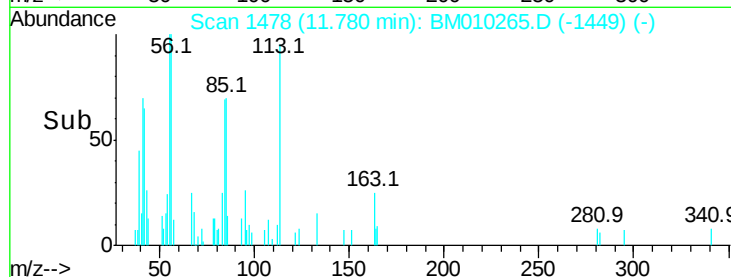
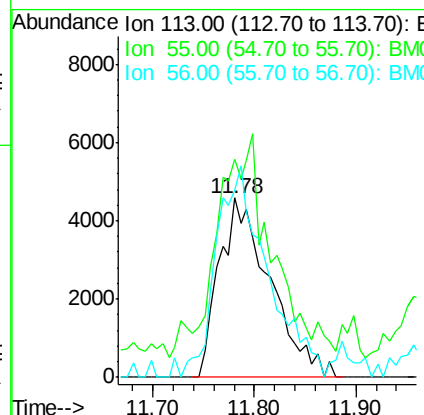
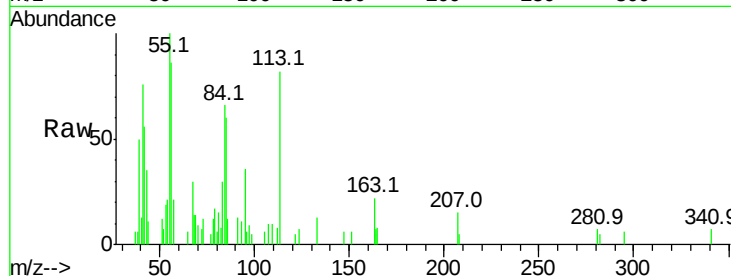




#35  
 Caprolactam  
 Concen: 8.78 ng  
 RT: 11.78 min Scan# 1478  
 Delta R.T. -0.03 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

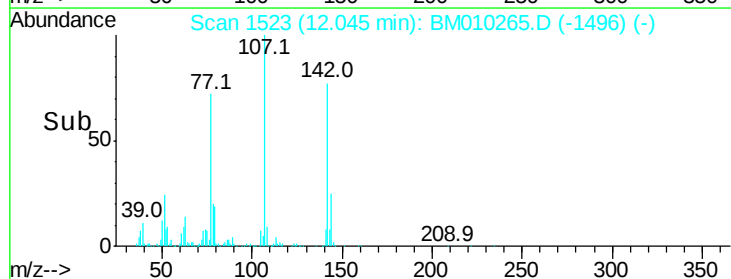
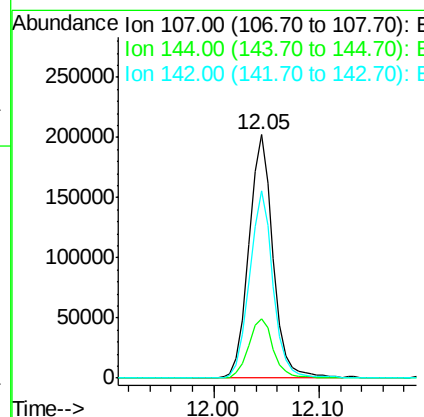
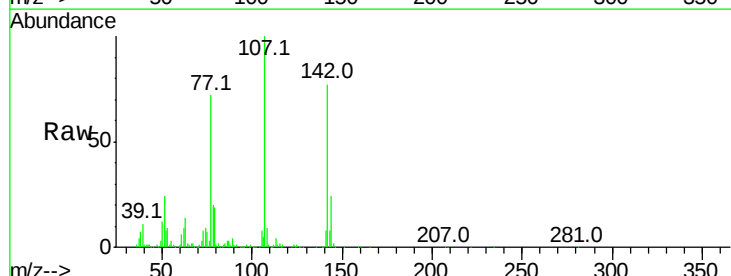
Instrument :  
 BNA\_M  
 ClientSampleId :

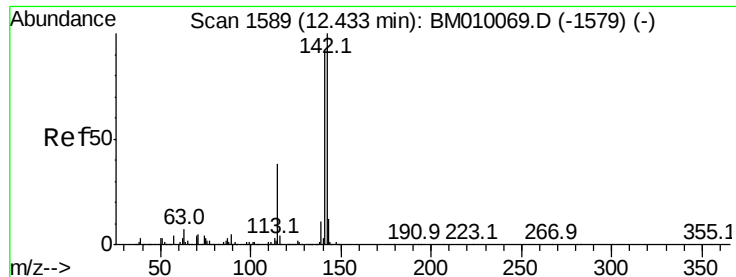
Tot Ion:113 Resp: 15879  
 Ion Ratio Lower Upper  
 113 100  
 55 122.0 145.9 185.9#  
 56 104.7 101.0 141.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.08 ng  
 RT: 12.05 min Scan# 1523  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

Tgt Ion:107 Resp: 321362  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 23.3 34.9  
 142 76.8 72.6 109.0

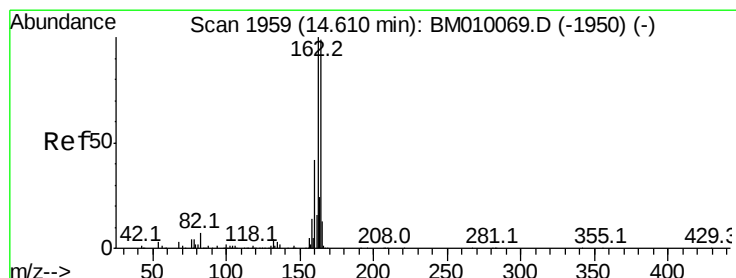
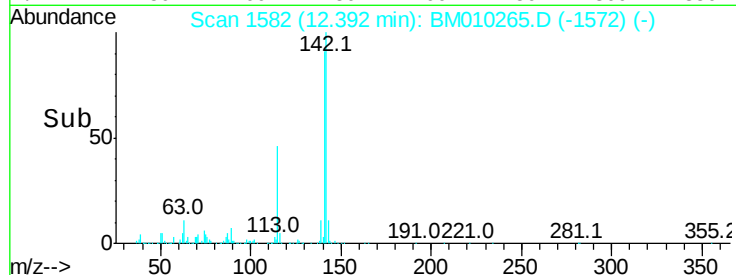
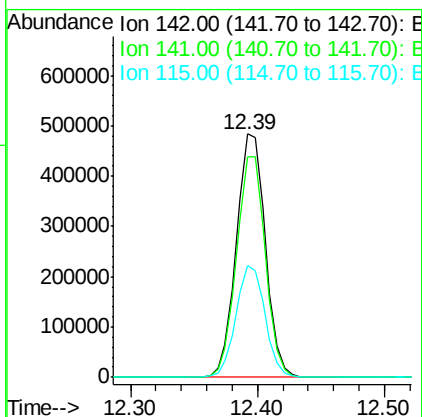
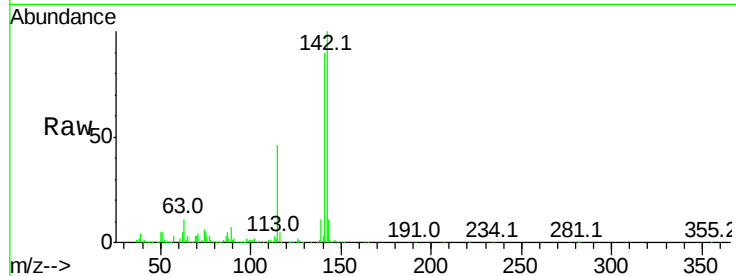




#37  
 2-Methylnaphthalene  
 Concen: 52.80 ng  
 RT: 12.39 min Scan# 1582  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

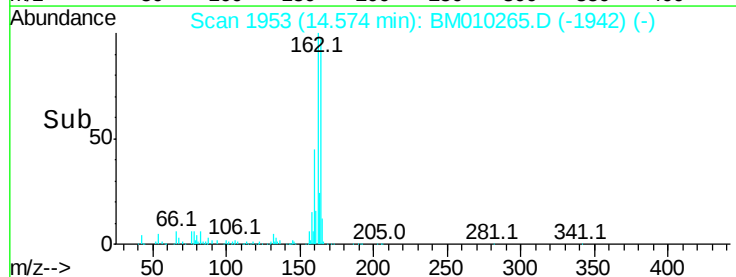
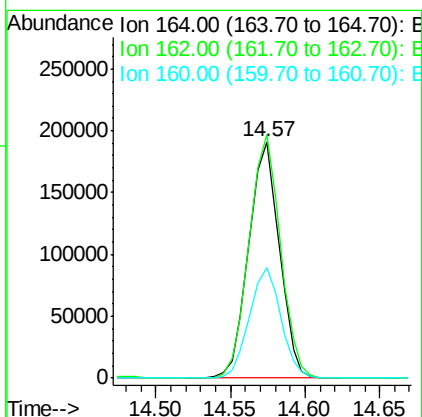
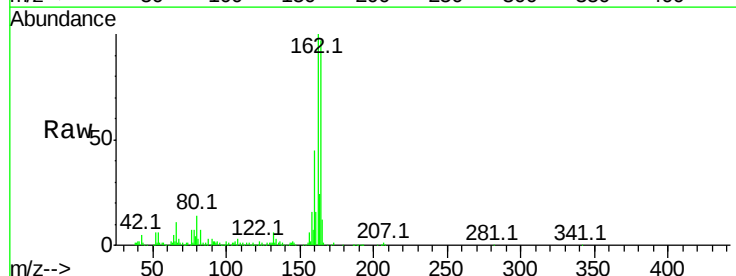
Instrument :  
 BNA\_M  
 ClientSampleId :

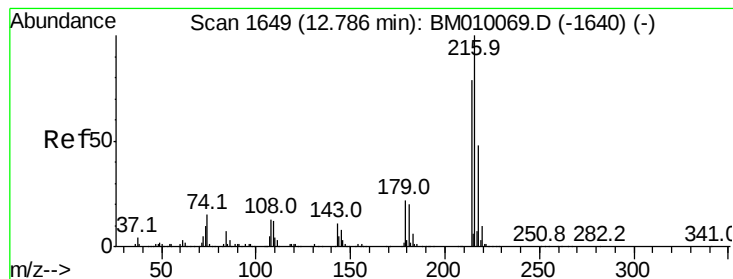
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 71.9  | 107.9 |
| 115     | 45.9  | 25.4  | 38.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.57 min Scan# 1953  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.0 | 82.4  | 123.6 |
| 160     | 46.5  | 35.8  | 53.6  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 50.39 ng

RT: 12.75 min Scan# 1643

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:216 Resp: 525774

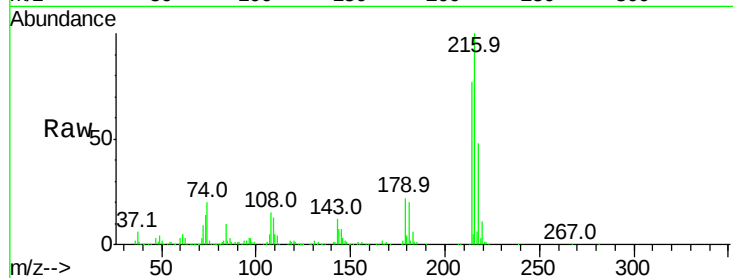
Ion Ratio Lower Upper

216 100

214 78.7 0.0 0.0#

179 21.9 0.0 0.0#

108 15.2 0.0 0.0#

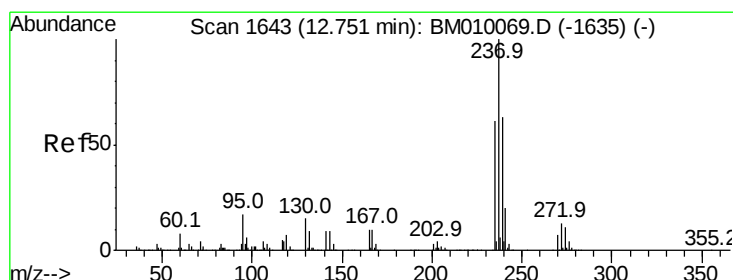
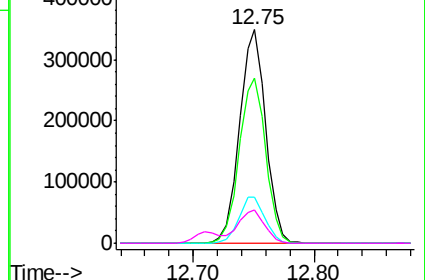
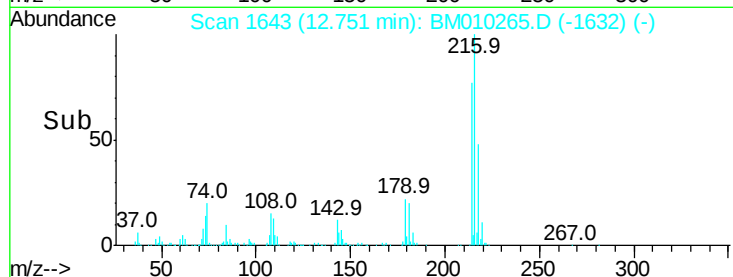


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 112.04 ng

RT: 12.72 min Scan# 1637

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

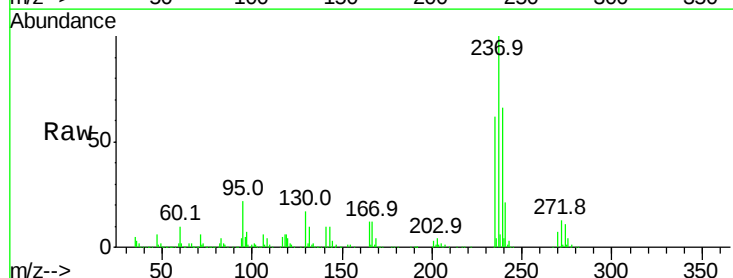
Tgt Ion:237 Resp: 674966

Ion Ratio Lower Upper

237 100

235 62.2 42.0 82.0

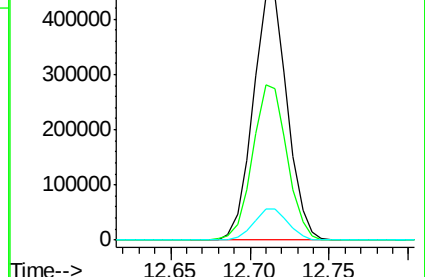
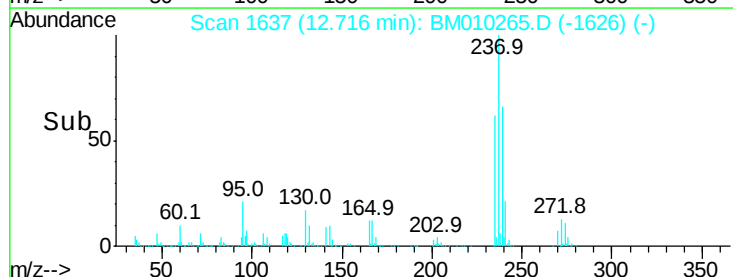
272 13.0 0.0 33.4

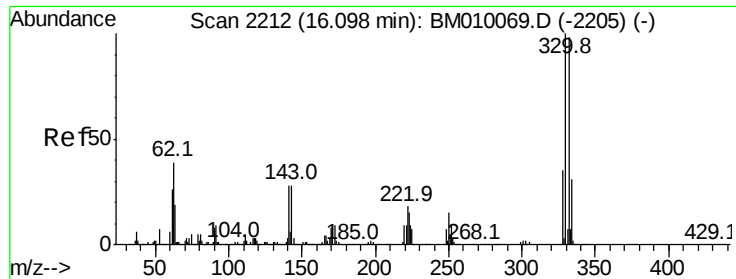


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

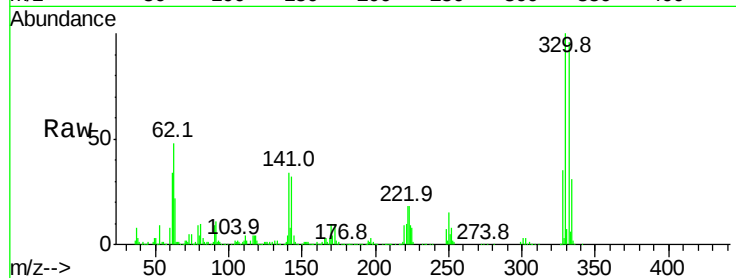




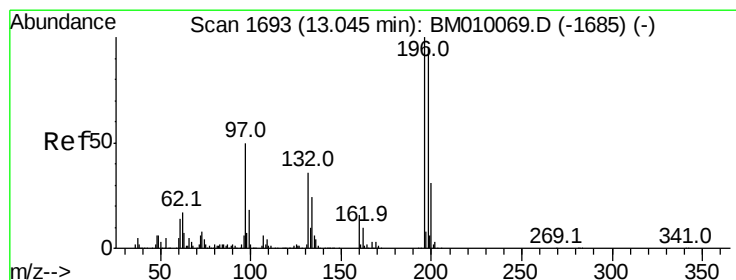
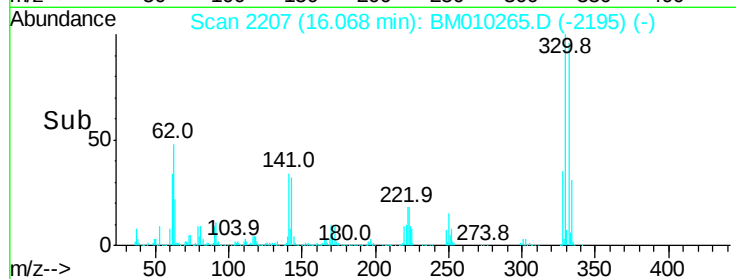
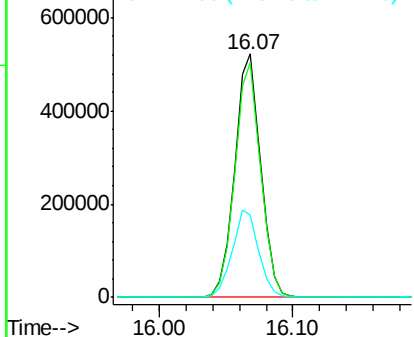
#41  
2,4,6-Tribromophenol  
Concen: 171.01 ng  
RT: 16.07 min Scan# 2207  
Delta R.T. -0.03 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 36.5  | 0.0   | 0.0#  |

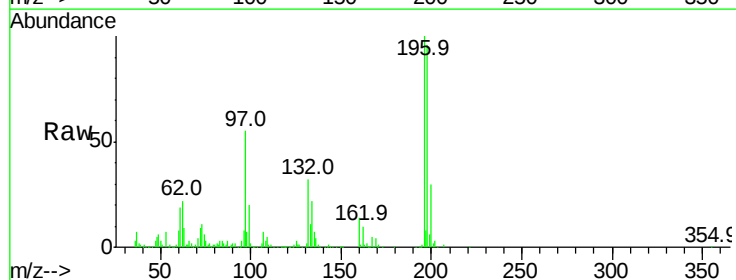


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

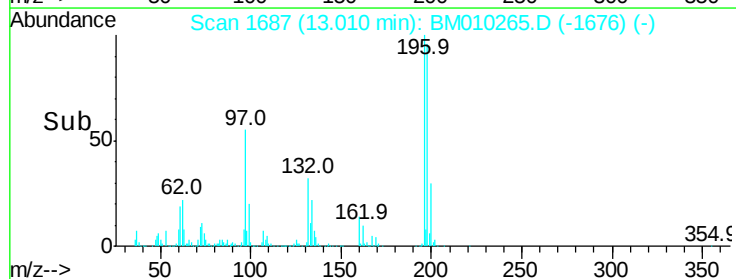
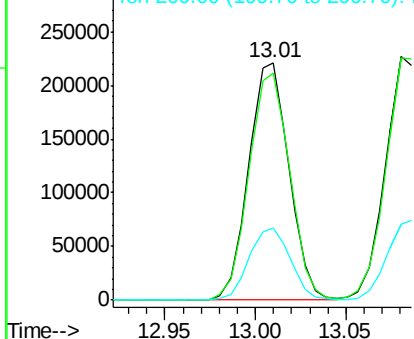


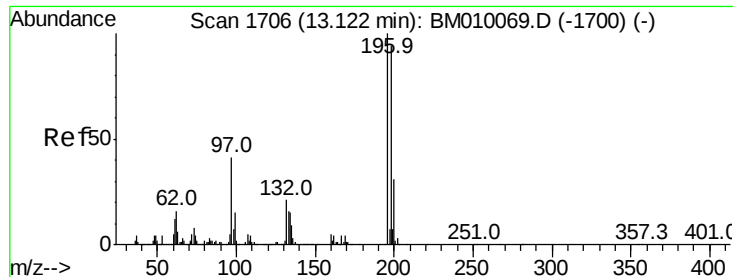
#42  
2,4,6-Trichlorophenol  
Concen: 55.76 ng  
RT: 13.01 min Scan# 1687  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.5  | 76.3  | 114.5 |
| 200     | 30.3  | 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

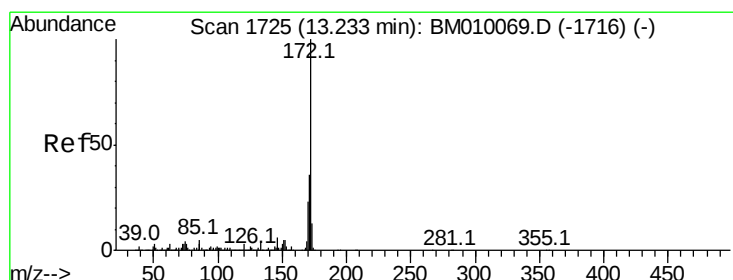
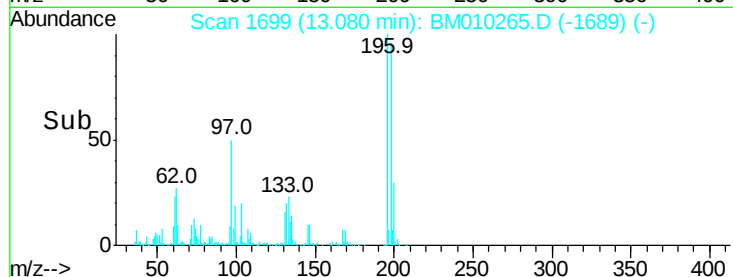
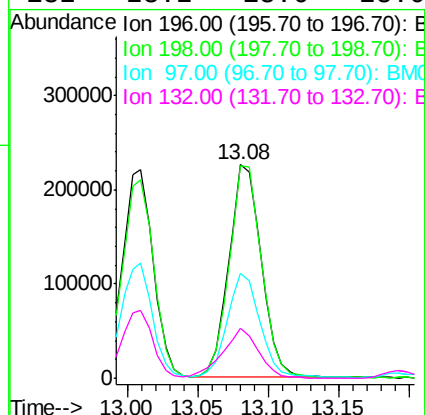
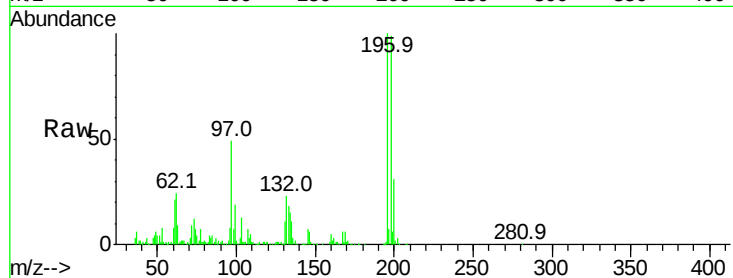




#43  
 2,4,5-Trichlorophenol  
 Concen: 53.48 ng  
 RT: 13.08 min Scan# 1699  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

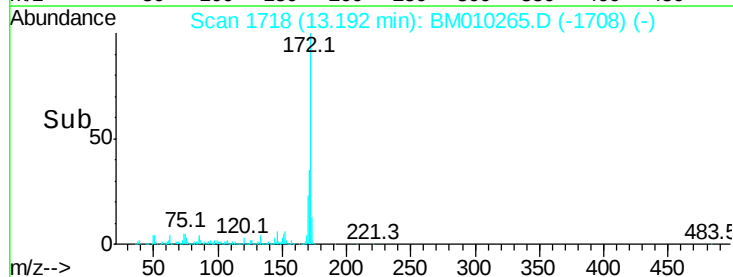
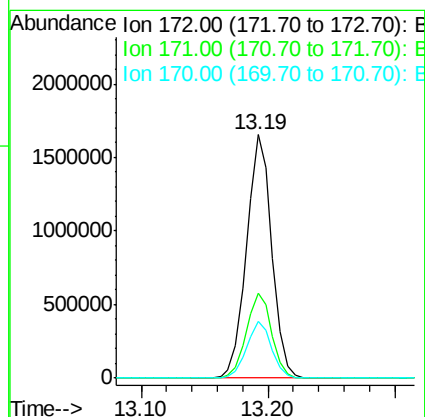
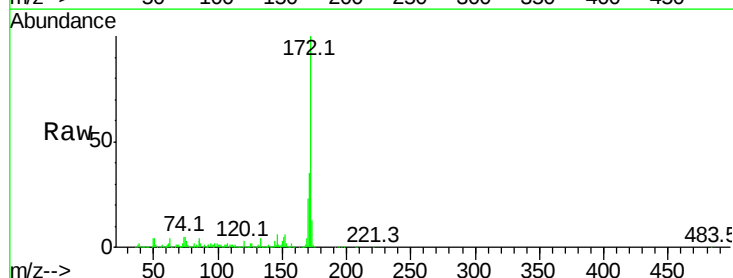
Instrument :  
 BNA\_M  
 ClientSampleId :

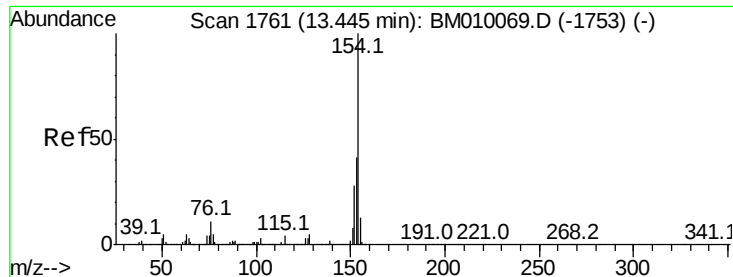
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 196   | Resp: | 363161 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 99.3  | 79.4  | 119.0  |
| 97       | 49.2  | 26.8  | 40.2#  |
| 132      | 23.2  | 18.6  | 28.0   |



#44  
 2-Fluorobiphenyl  
 Concen: 107.84 ng  
 RT: 13.19 min Scan# 1718  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 2276020 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 34.9  | 28.5  | 42.7    |
| 170      | 23.2  | 18.8  | 28.2    |

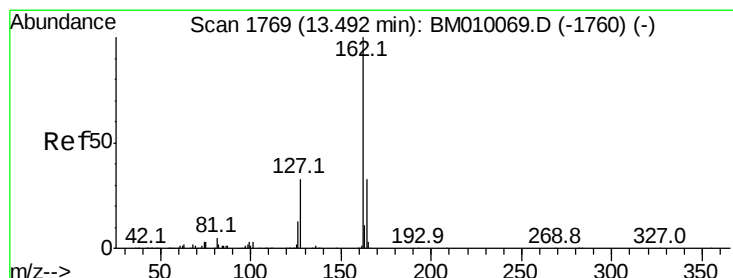
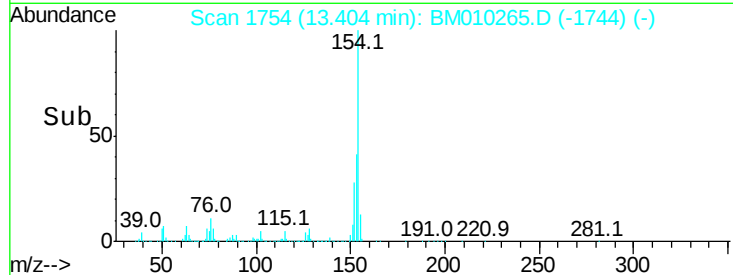
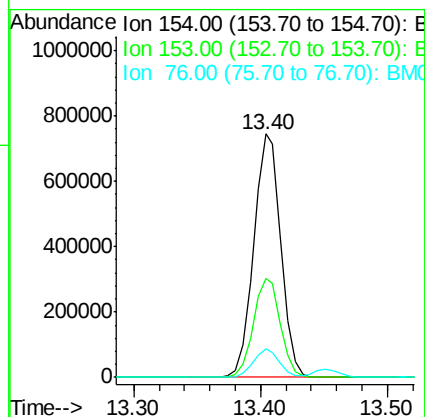
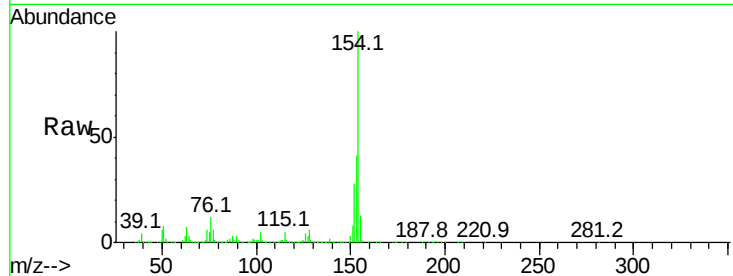




#45  
 1,1'-Biphenyl  
 Concen: 49.53 ng  
 RT: 13.40 min Scan# 1754  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

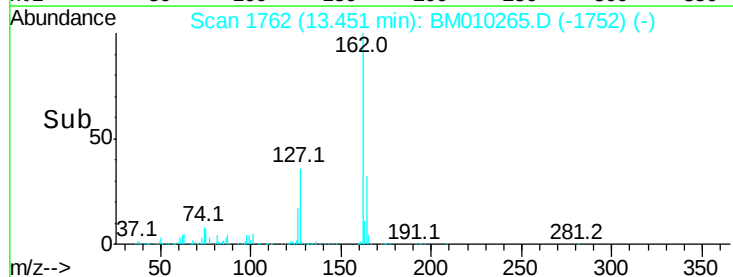
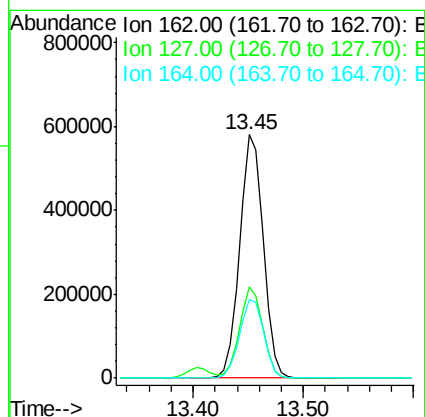
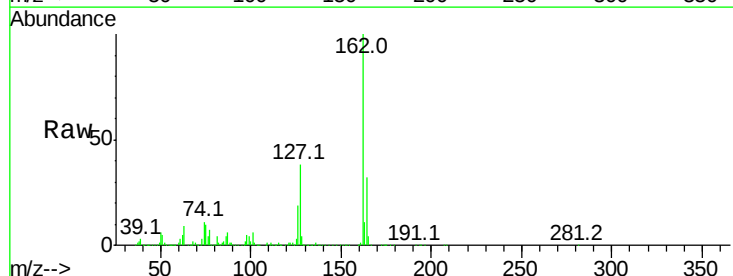
Instrument :  
 BNA\_M  
 ClientSampleId :

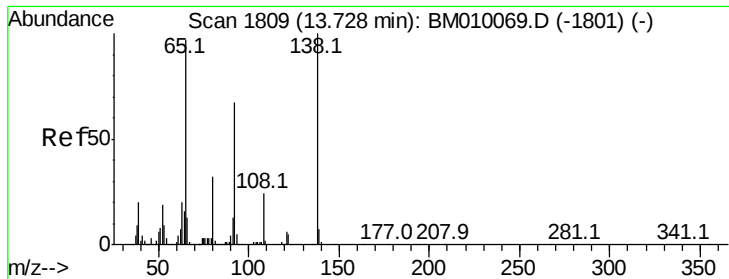
Tot Ion:154 Resp: 1105294  
 Ion Ratio Lower Upper  
 154 100  
 153 40.9 20.7 60.7  
 76 11.5 0.0 30.9



#46  
 2-Chloronaphthalene  
 Concen: 48.43 ng  
 RT: 13.45 min Scan# 1762  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

Tgt Ion:162 Resp: 874908  
 Ion Ratio Lower Upper  
 162 100  
 127 37.6 26.9 40.3  
 164 32.2 26.8 40.2

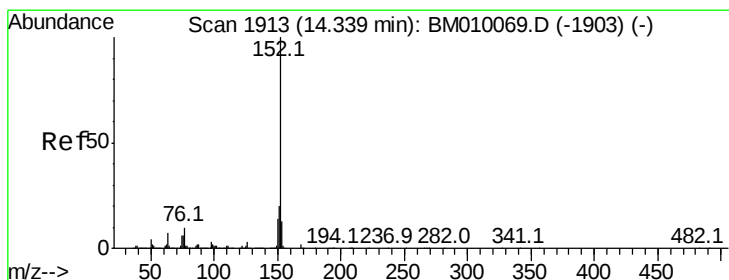
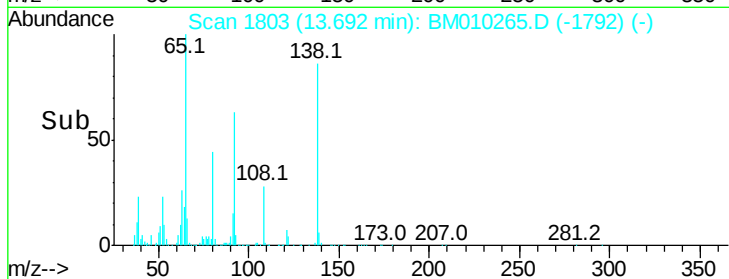
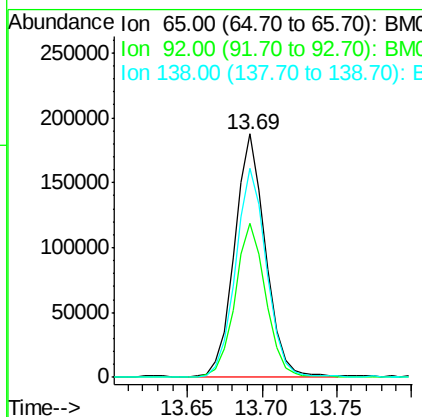
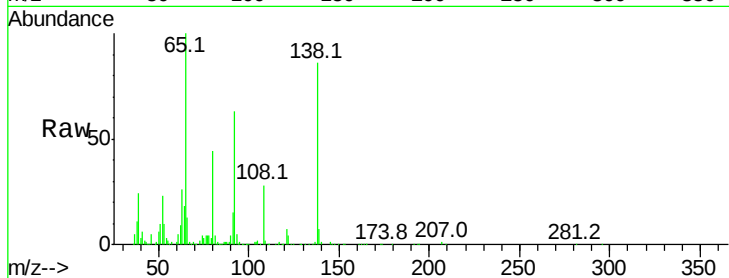




#47  
2-Nitroaniline  
Concen: 57.96 ng  
RT: 13.69 min Scan# 1803  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

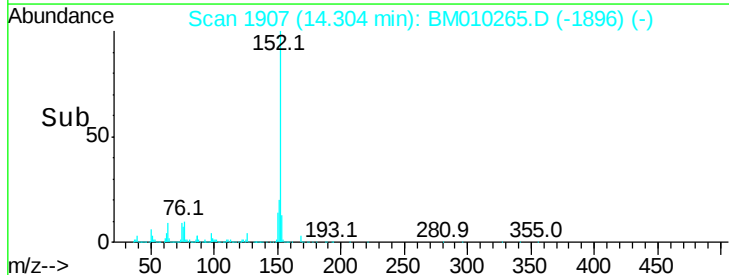
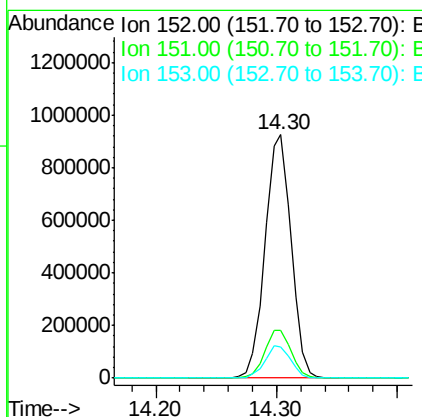
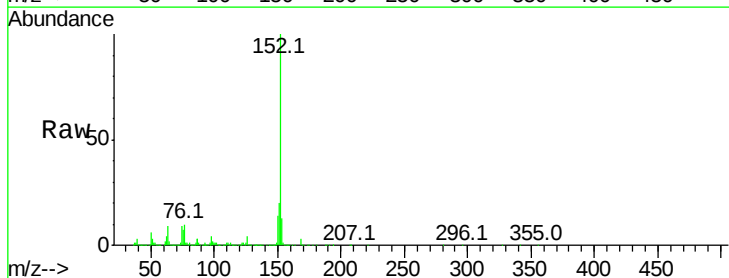
Instrument :  
BNA\_M  
ClientSampleId :

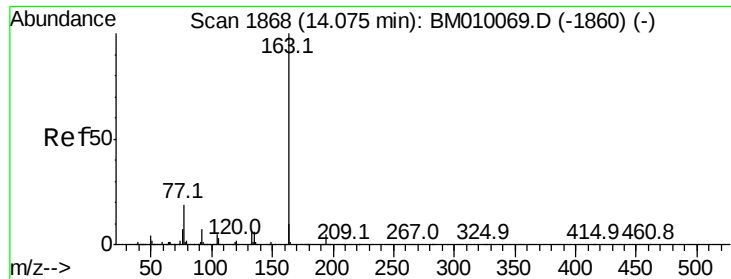
Tot Ion: 65 Resp: 269242  
Ion Ratio Lower Upper  
65 100  
92 63.1 59.1 88.7  
138 85.7 93.9 140.9#



#48  
Acenaphthylene  
Concen: 51.43 ng  
RT: 14.30 min Scan# 1907  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion: 152 Resp: 1373787  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.9 23.9  
153 12.8 10.6 16.0

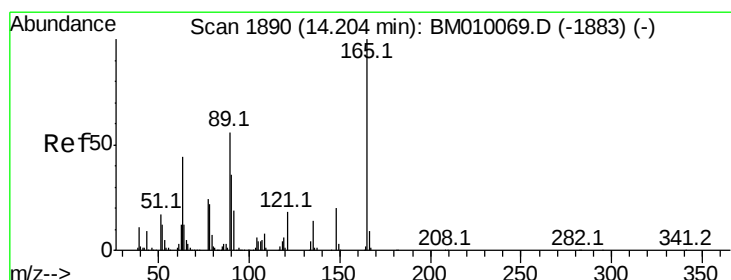
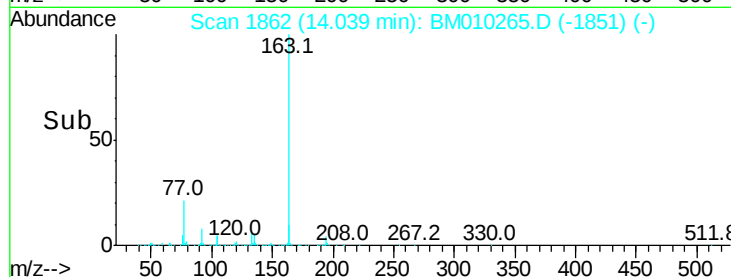
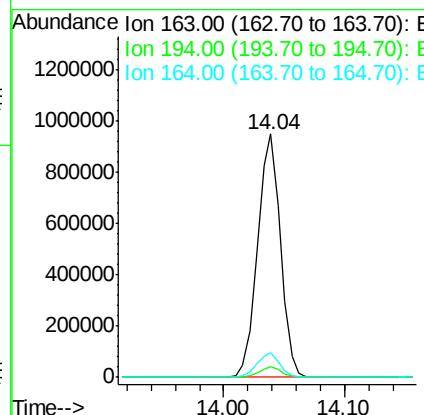
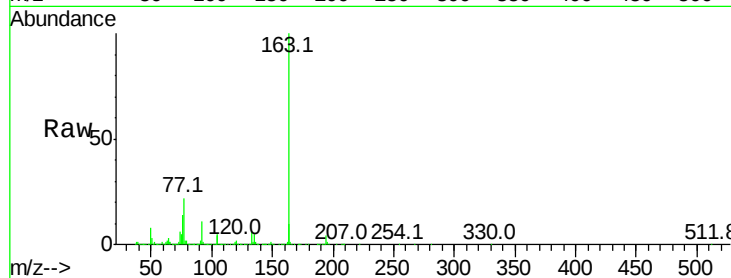




#49  
Dimethylphthalate  
Concen: 51.95 ng  
RT: 14.04 min Scan# 1862  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

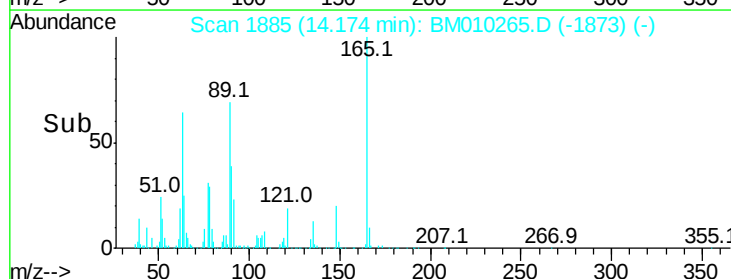
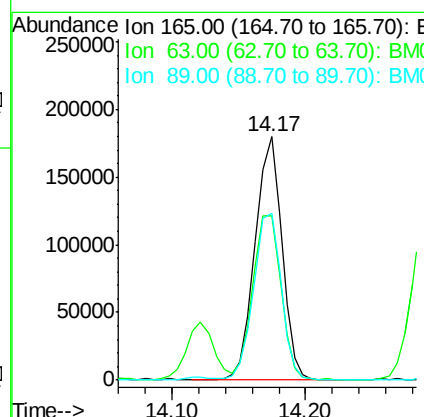
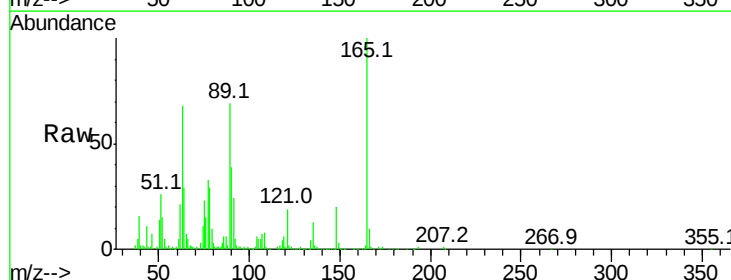
Instrument :  
BNA\_M  
ClientSampleId :

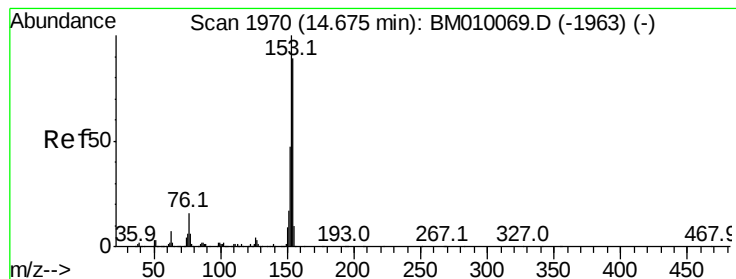
Tot Ion:163 Resp: 1257283  
Ion Ratio Lower Upper  
163 100  
194 4.4 2.7 4.1#  
164 10.2 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 54.34 ng  
RT: 14.17 min Scan# 1885  
Delta R.T. -0.03 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:165 Resp: 249758  
Ion Ratio Lower Upper  
165 100  
63 67.7 44.1 66.1#  
89 68.7 44.3 66.5#





#51

Acenaphthene

Concen: 50.13 ng

RT: 14.64 min Scan# 1964

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampled :

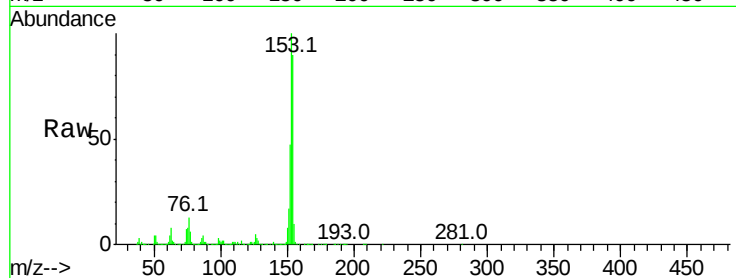
Tot Ion:154 Resp: 832497

Ion Ratio Lower Upper

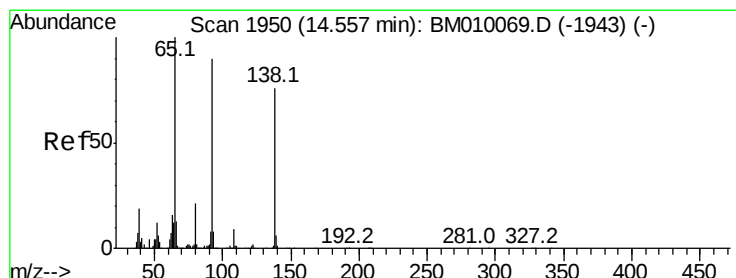
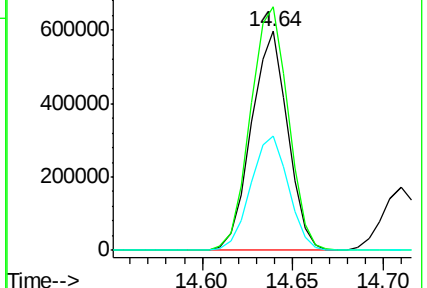
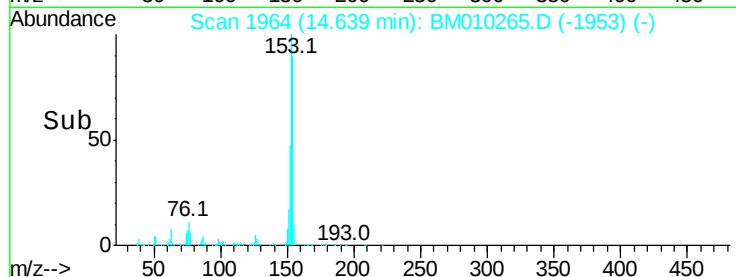
154 100

153 111.2 90.0 135.0

152 52.2 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: 42.39 ng

RT: 14.52 min Scan# 1944

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

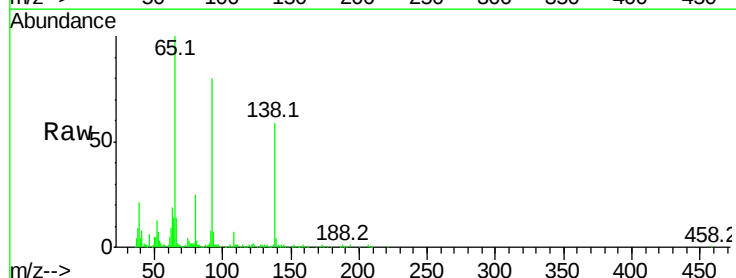
Tgt Ion:138 Resp: 181057

Ion Ratio Lower Upper

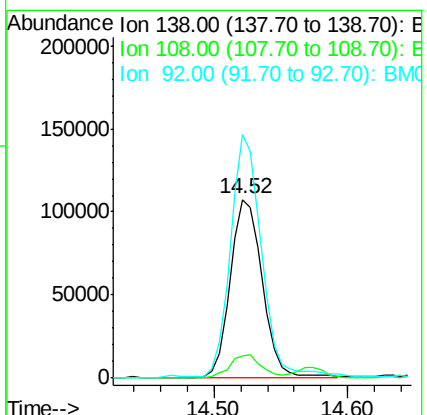
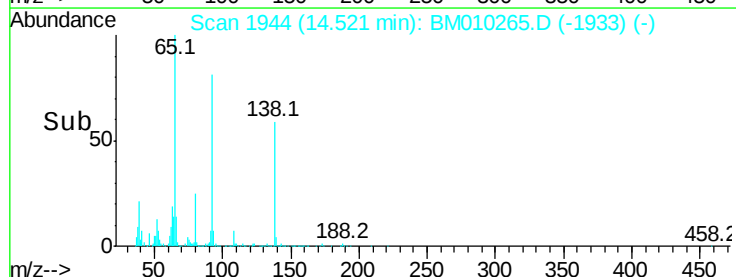
138 100

108 12.6 7.3 10.9#

92 136.4 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: 109.38 ng

RT: 14.71 min Scan# 1976

Delta R.T. -0.03 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

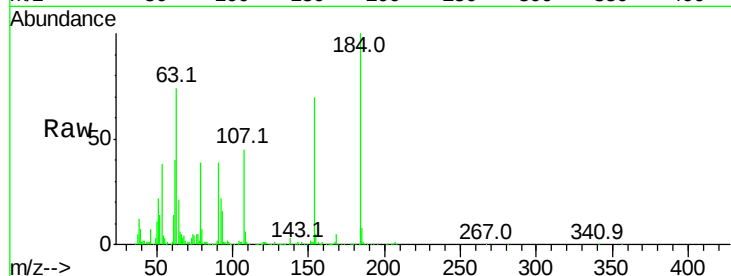
Tot Ion:184 Resp: 341708

Ion Ratio Lower Upper

184 100

63 73.8 69.2 103.8

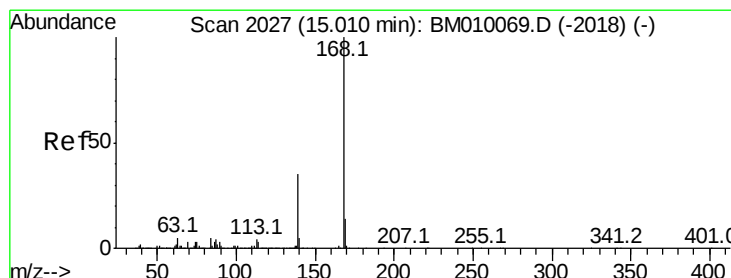
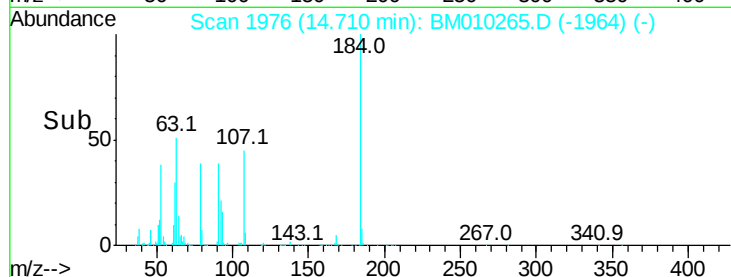
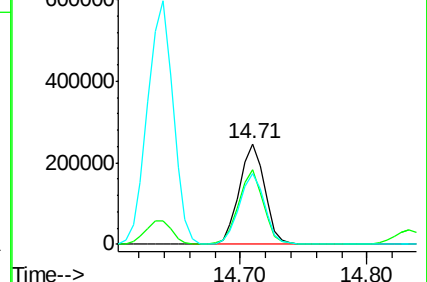
154 70.4 53.3 79.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 55.98 ng

RT: 14.97 min Scan# 2021

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

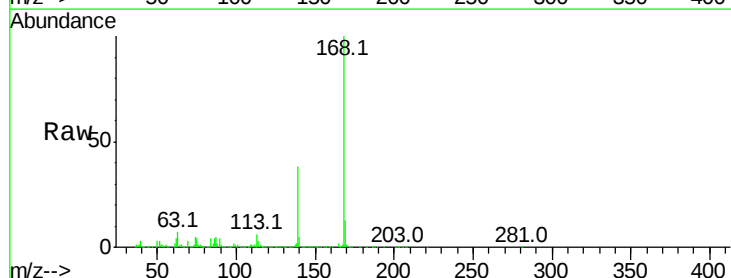
Tgt Ion:168 Resp: 1461843

Ion Ratio Lower Upper

168 100

139 37.7 27.3 40.9

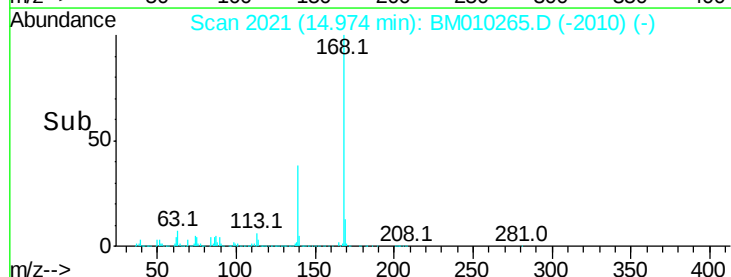
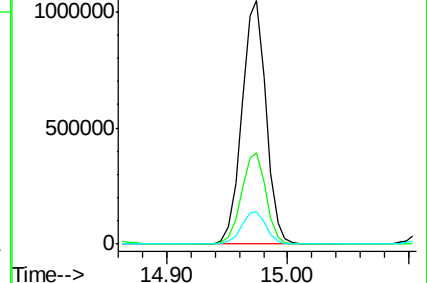
169 13.4 10.6 16.0

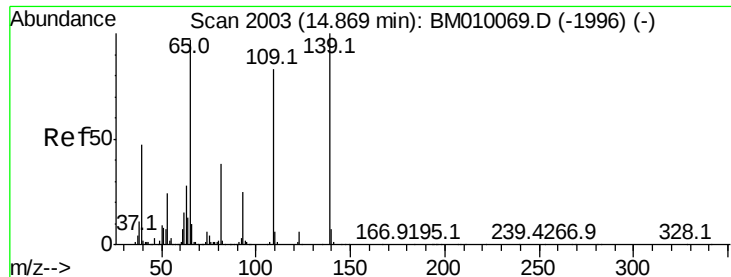


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

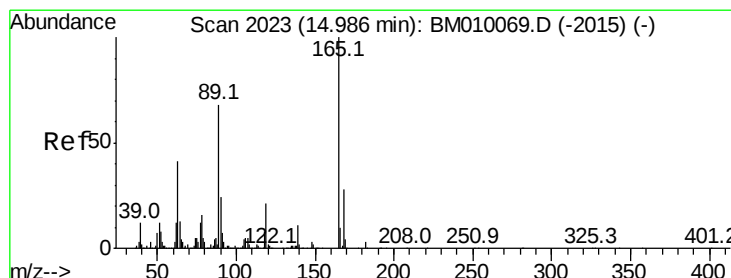
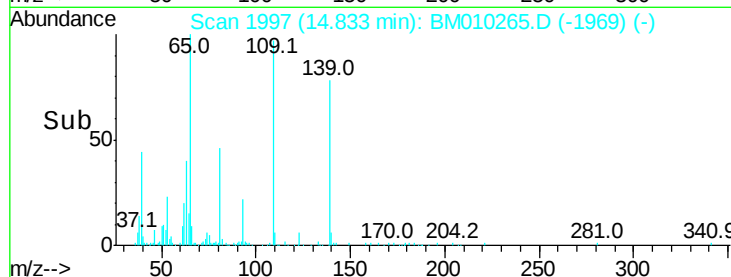
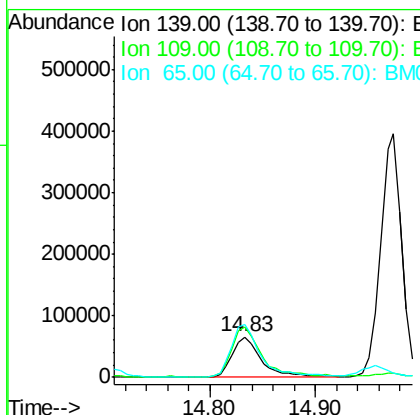
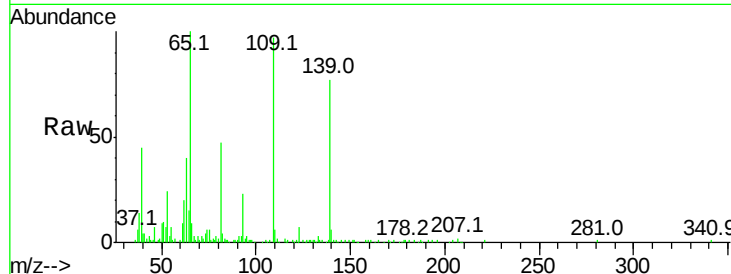




#55  
4-Nitrophenol  
Concen: 36.96 ng  
RT: 14.83 min Scan# 1997  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

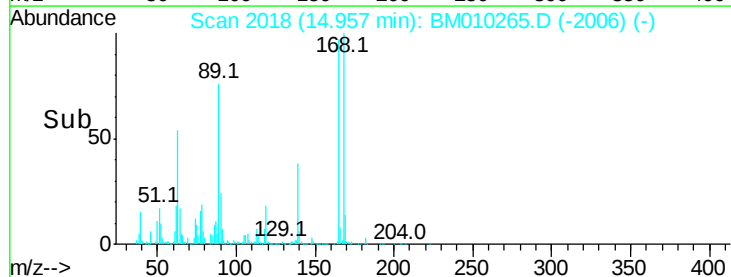
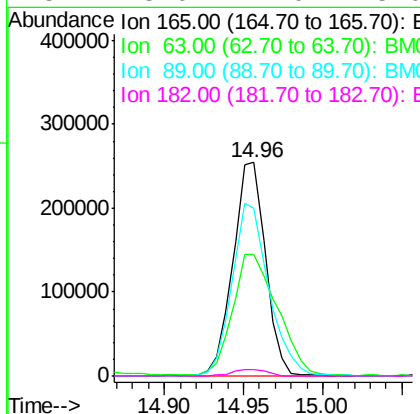
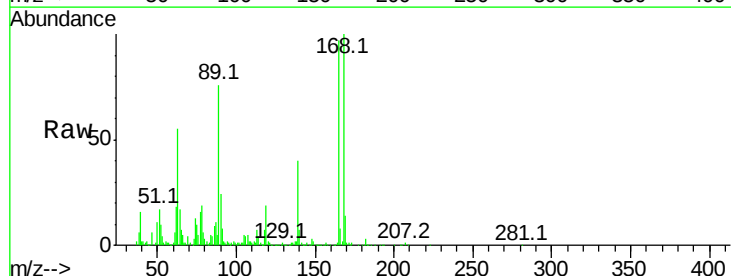
Instrument :  
BNA\_M  
ClientSampled :

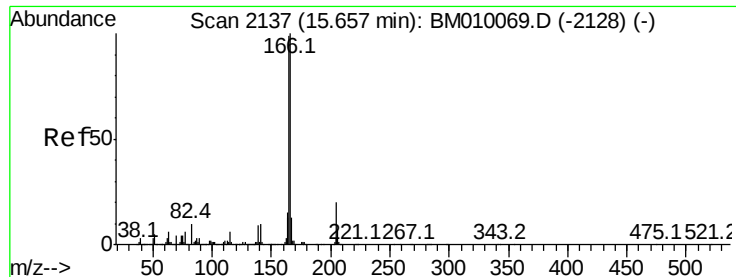
Tot Ion:139 Resp: 127068  
Ion Ratio Lower Upper  
139 100  
109 124.6 37.7 77.7#  
65 129.1 49.9 89.9#



#56  
2,4-Dinitrotoluene  
Concen: 55.81 ng  
RT: 14.96 min Scan# 2018  
Delta R.T. -0.03 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:165 Resp: 362902  
Ion Ratio Lower Upper  
165 100  
63 56.7 52.4 78.6  
89 78.4 72.4 108.6  
182 3.0 2.0 3.0





#57

Fluorene

Concen: 53.86 ng

RT: 15.62 min Scan# 2130

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

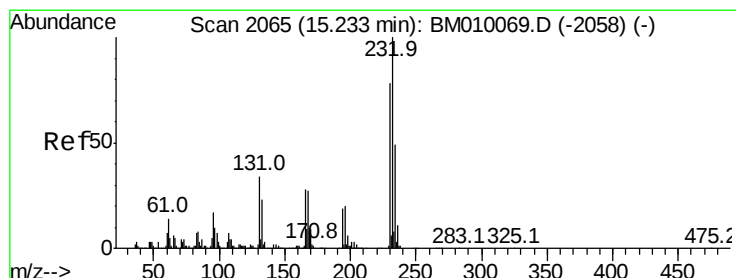
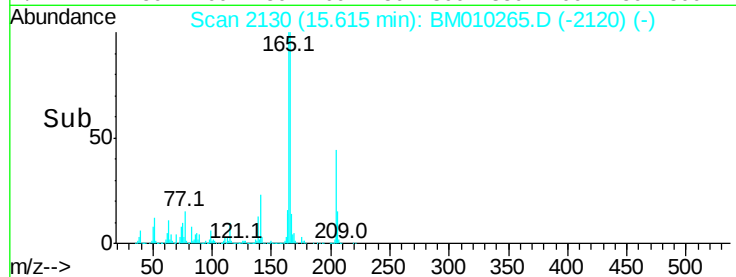
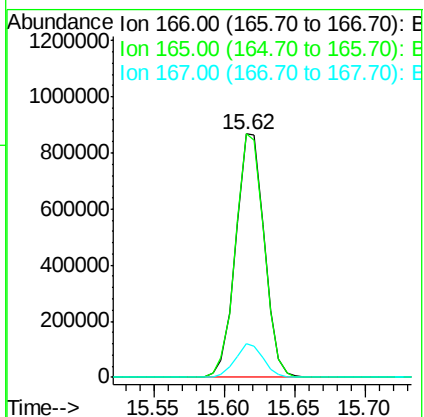
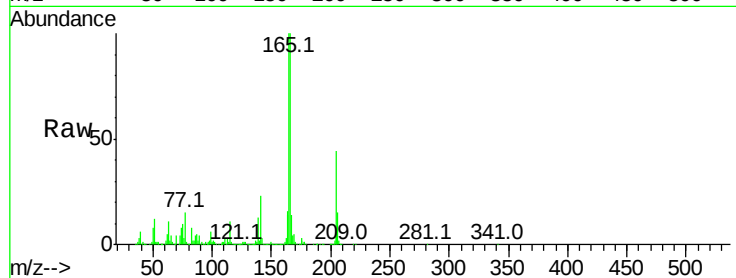
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:166 Resp: 1223023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 100.0 | 79.0  | 118.4 |
| 167 | 13.6  | 10.3  | 15.5  |



#58

2,3,4,6-Tetrachlorophenol

Concen: 64.04 ng

RT: 15.20 min Scan# 2059

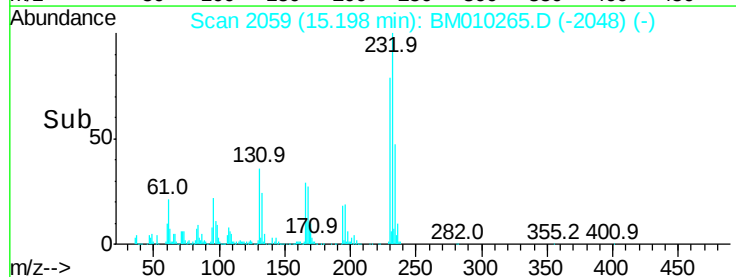
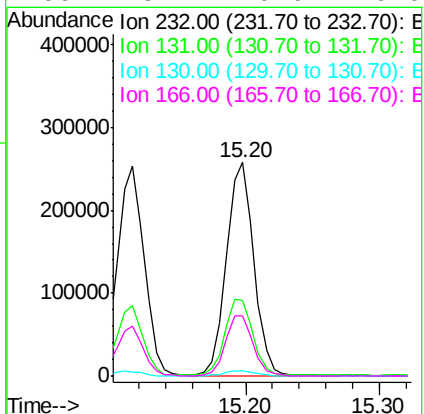
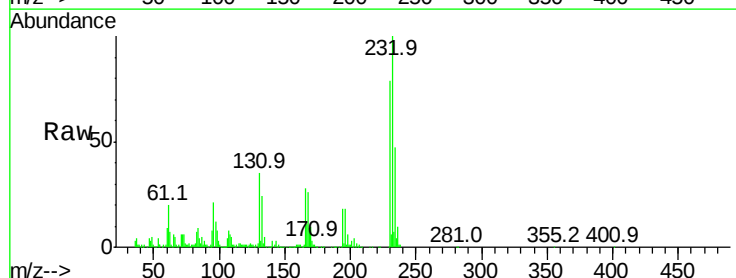
Delta R.T. -0.04 min

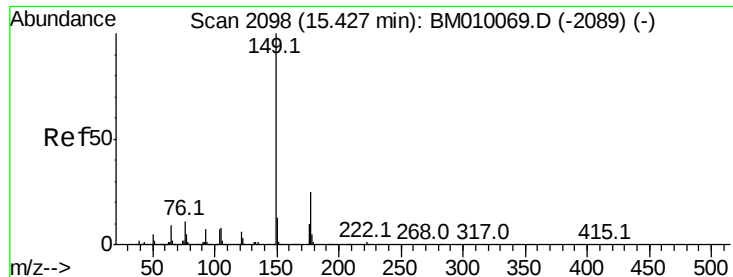
Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion:232 Resp: 370409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 36.2  | 0.0   | 0.0#  |
| 130 | 2.6   | 0.0   | 0.0#  |
| 166 | 28.4  | 0.0   | 0.0#  |

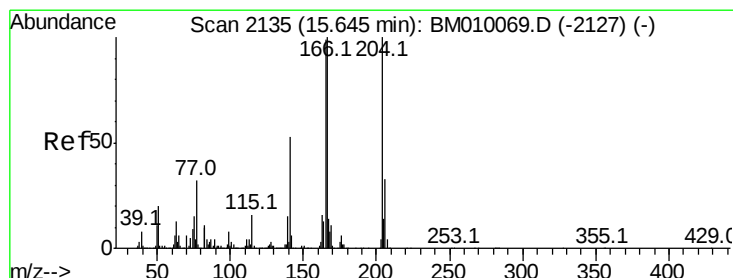
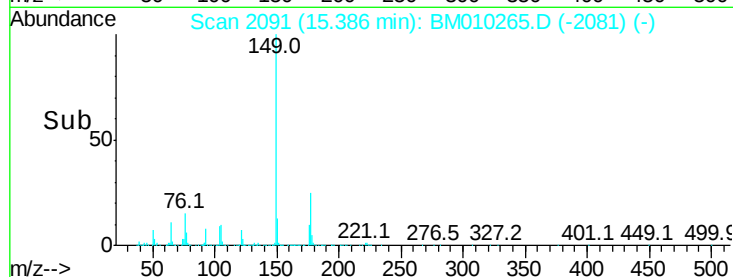
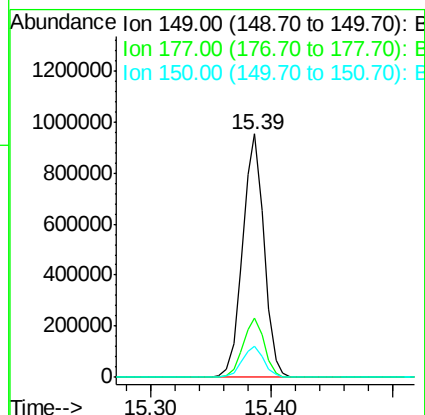
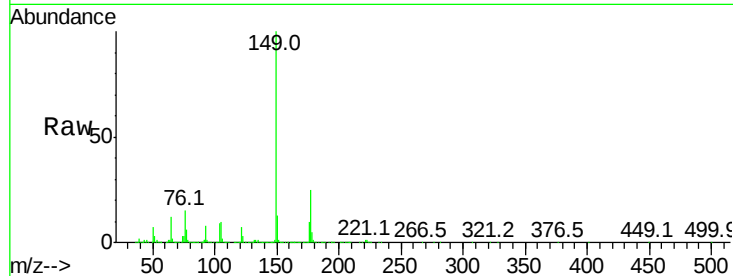




#59  
Diethylphthalate  
Concen: 51.58 ng  
RT: 15.39 min Scan# 2091  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

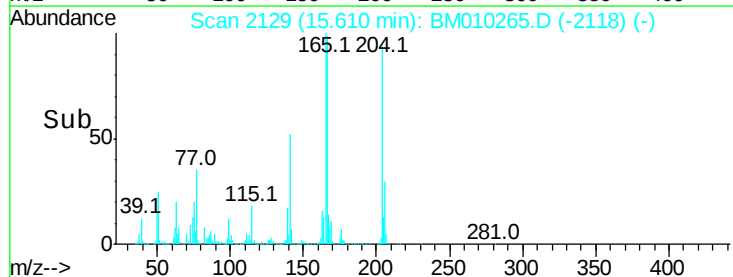
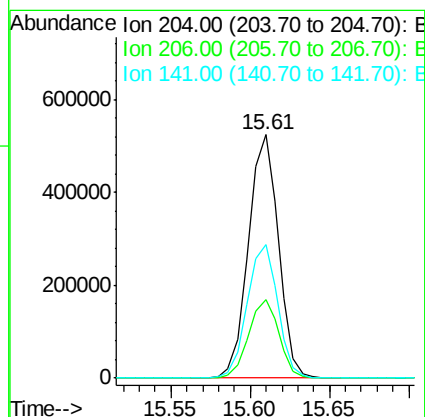
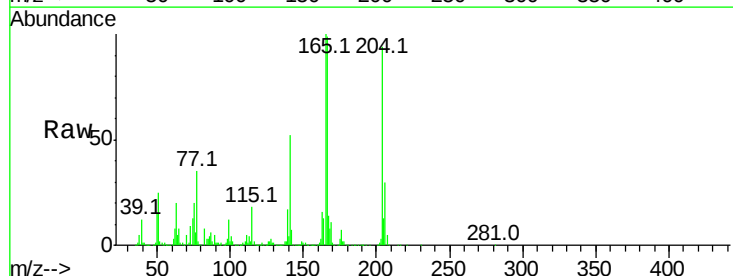
Instrument :  
BNA\_M  
ClientSampleId :

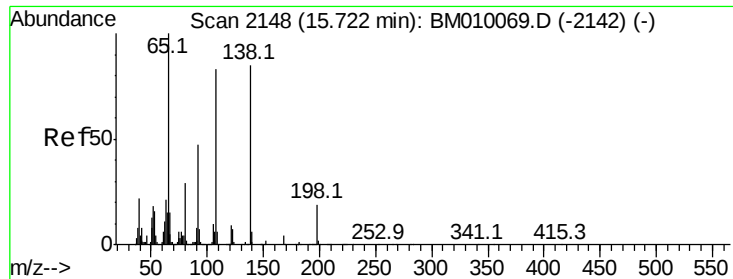
Tot Ion:149 Resp: 1180297  
Ion Ratio Lower Upper  
149 100  
177 24.5 18.3 27.5  
150 12.8 9.8 14.8



#60  
4-Chlorophenyl-phenylether  
Concen: 54.06 ng  
RT: 15.61 min Scan# 2129  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:204 Resp: 689226  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 39.8  
141 54.9 45.2 67.8





#61

4-Nitroaniline

Concen: 42.79 ng

RT: 15.69 min Scan# 2142

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

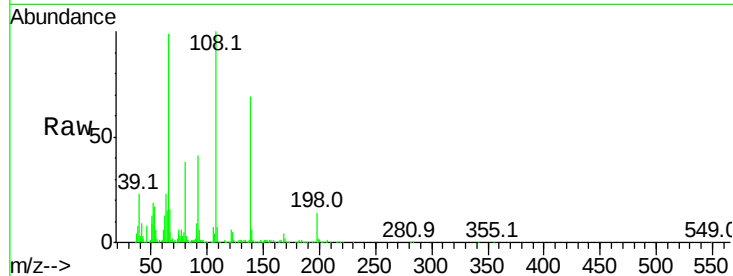
Tot Ion:138 Resp: 185565

Ion Ratio Lower Upper

138 100

92 59.1 16.7 56.7#

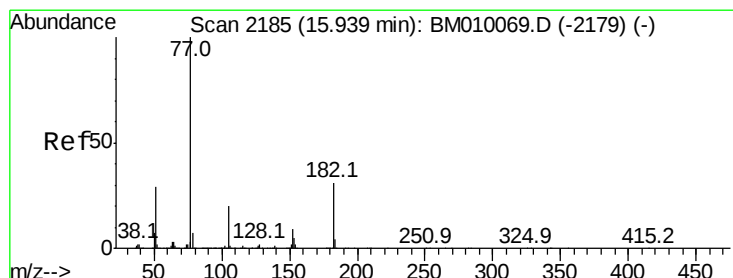
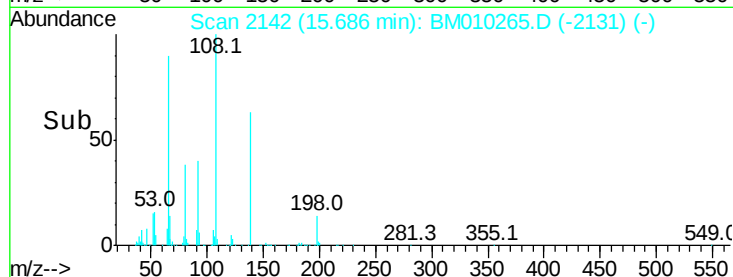
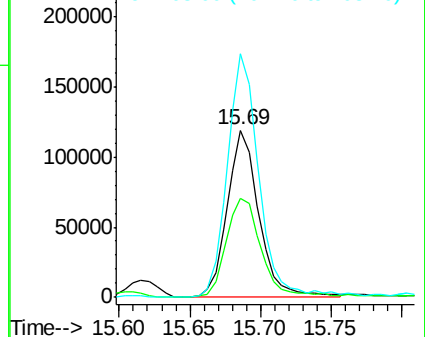
108 145.6 37.6 77.6#



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: 70.65 ng

RT: 15.90 min Scan# 2179

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion: 77 Resp: 1188798

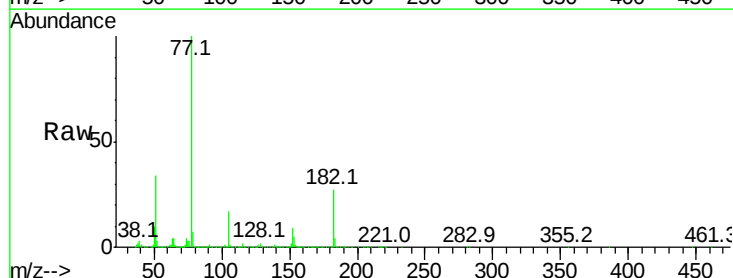
Ion Ratio Lower Upper

77 100

182 26.8 6.5 46.5

105 16.9 3.8 43.8

51 34.1 5.5 45.5

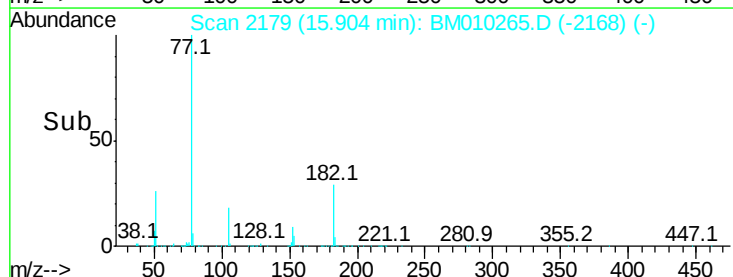
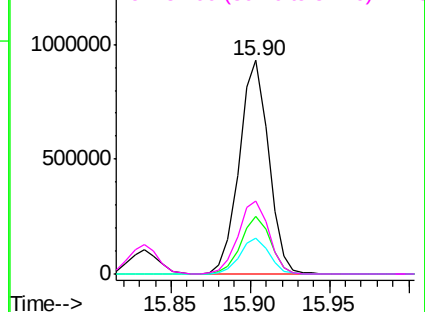


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: 17.32 min Scan# 2419

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

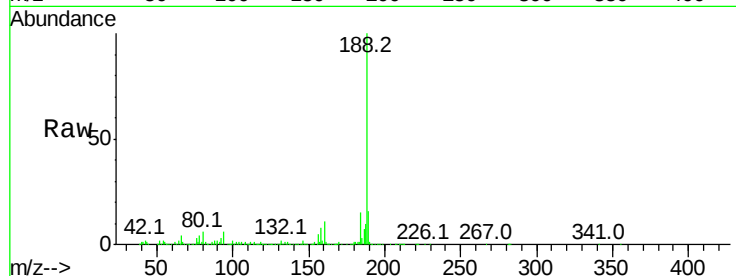
Tot Ion:188 Resp: 688379

Ion Ratio Lower Upper

188 100

94 6.2 8.7 13.1#

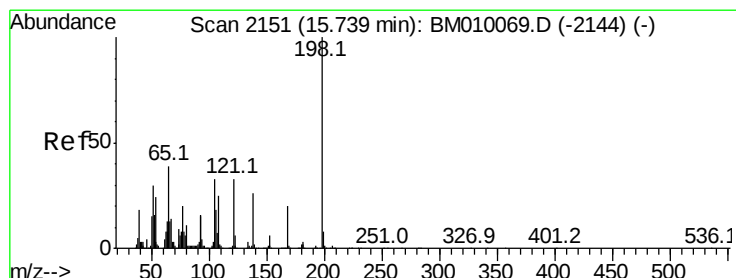
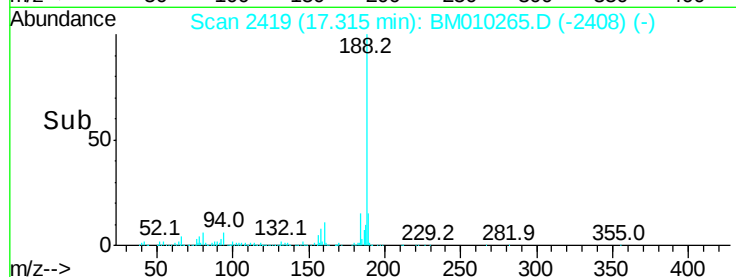
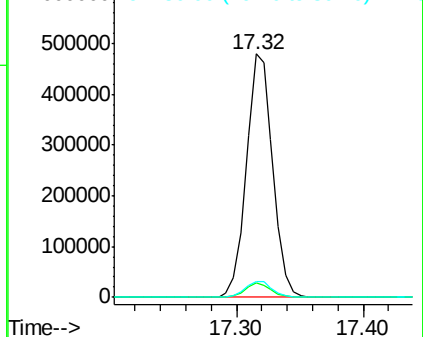
80 6.3 9.3 13.9#



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: 55.76 ng

RT: 15.70 min Scan# 2145

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

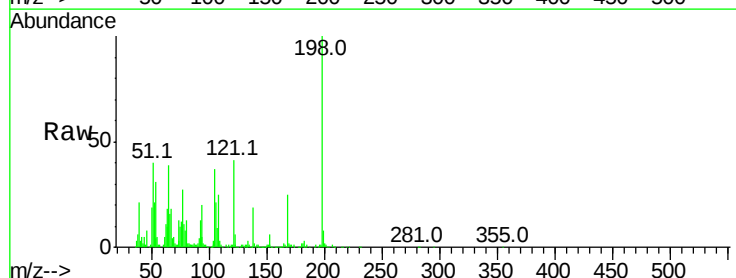
Tgt Ion:198 Resp: 234478

Ion Ratio Lower Upper

198 100

51 40.3 28.8 68.8

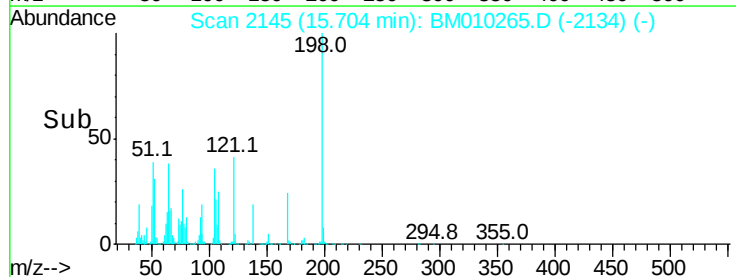
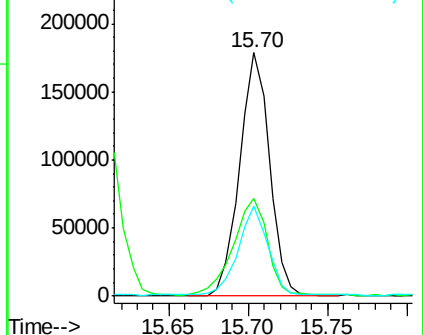
105 36.8 30.5 70.5

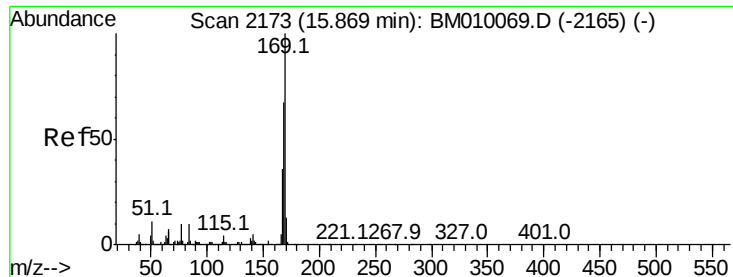


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 51.88 ng

RT: 15.83 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

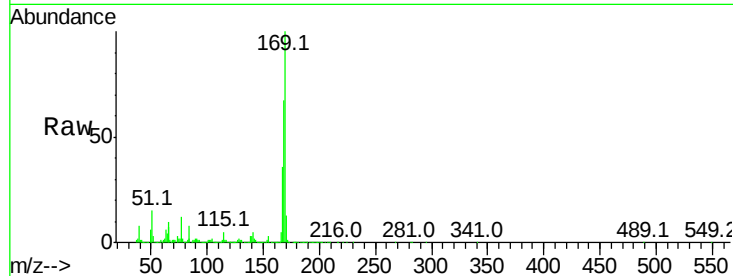
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:169 Resp: 1070372

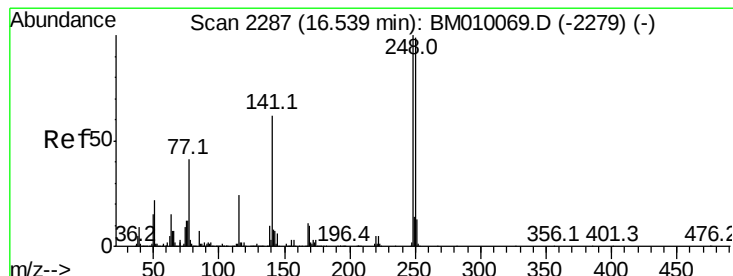
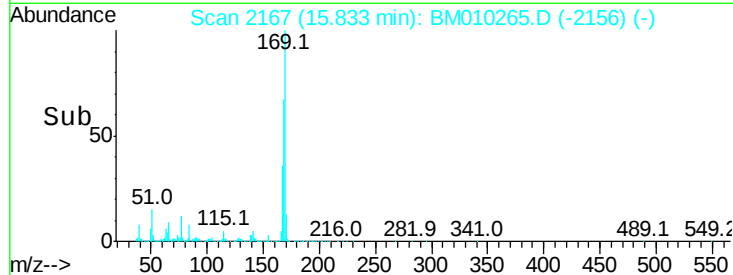
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 67.2  | 53.9  | 80.9  |
| 167 | 36.3  | 28.9  | 43.3  |



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: 52.05 ng

RT: 16.50 min Scan# 2281

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

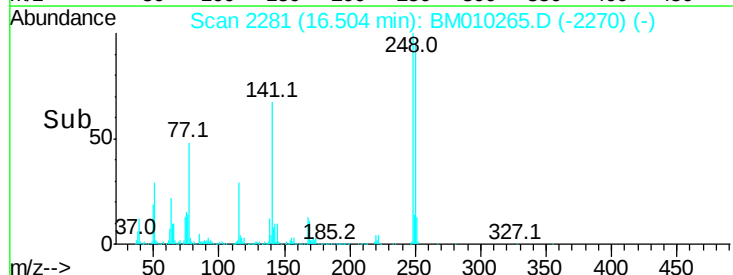
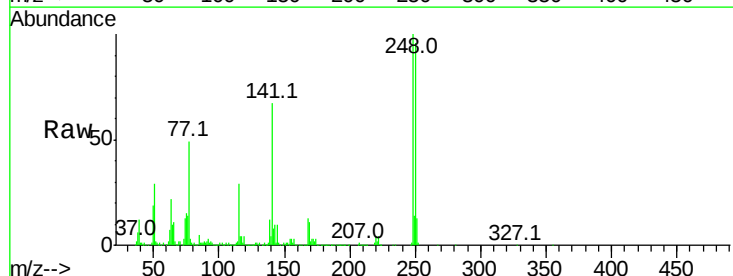
Tgt Ion:248 Resp: 458682

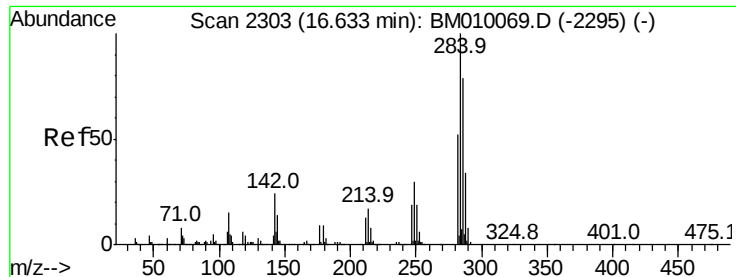
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 96.2  | 77.4  | 116.0 |
| 141 | 66.8  | 45.2  | 67.8  |

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

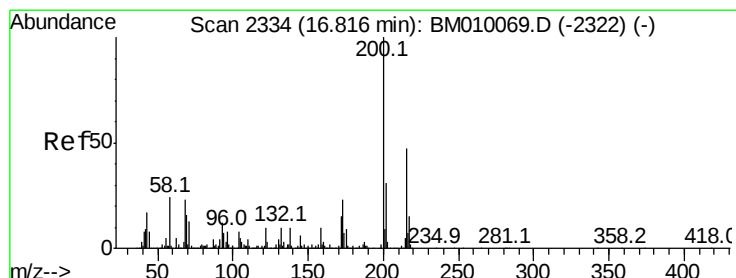
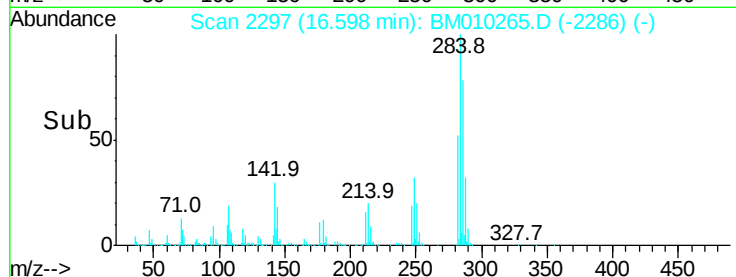
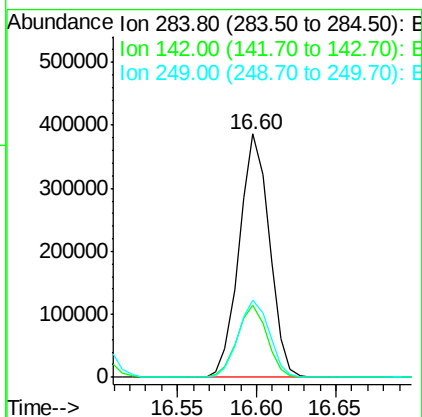
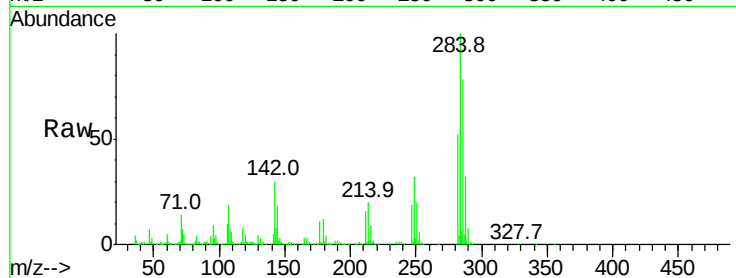




#67  
Hexachlorobenzene  
Concen: 47.72 ng  
RT: 16.60 min Scan# 2297  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

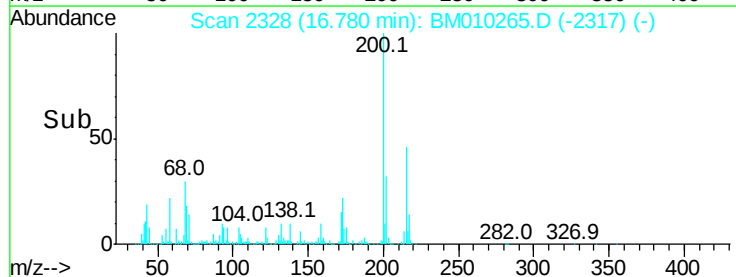
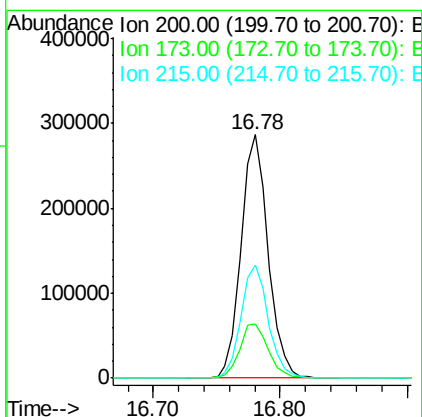
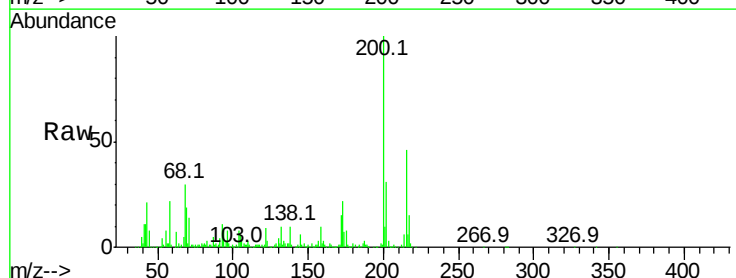
Instrument :  
BNA\_M  
ClientSampled :

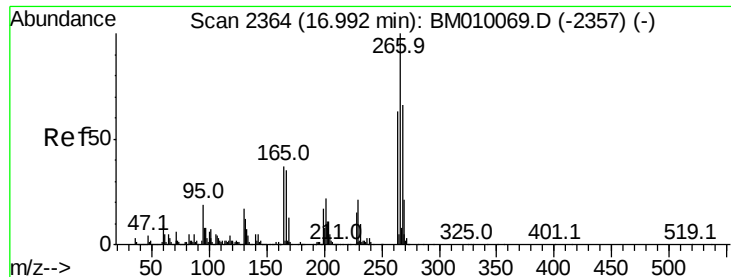
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 29.8  | 20.4  | 30.6  |
| 249     | 31.8  | 23.8  | 35.6  |



#68  
Atrazine  
Concen: 54.19 ng  
RT: 16.78 min Scan# 2328  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.3  | 4.8   | 44.8  |
| 215     | 46.5  | 26.9  | 66.9  |

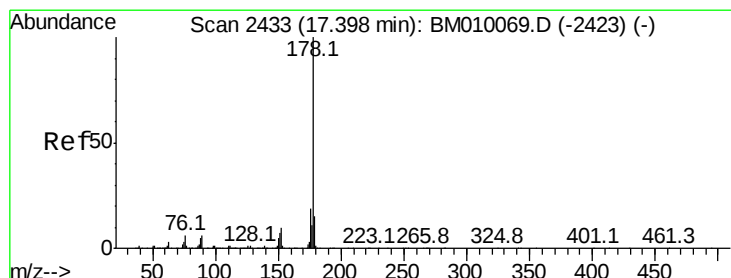
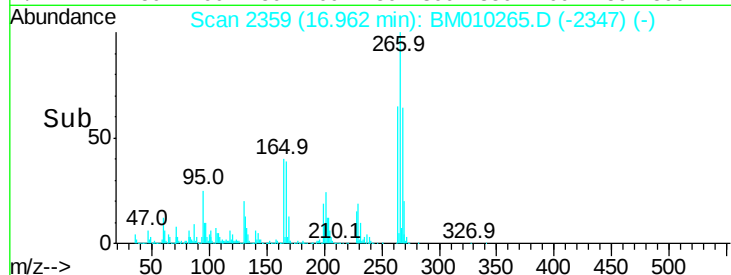
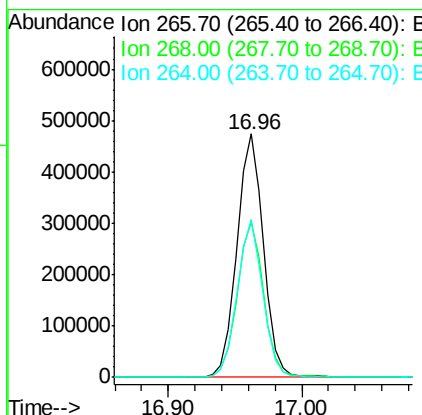
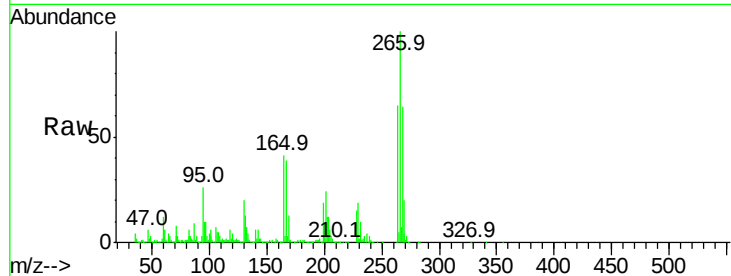




#69  
 Pentachlorophenol  
 Concen: 110.70 ng  
 RT: 16.96 min Scan# 2359  
 Delta R.T. -0.03 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

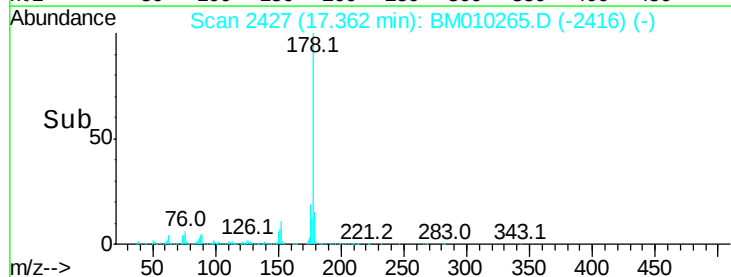
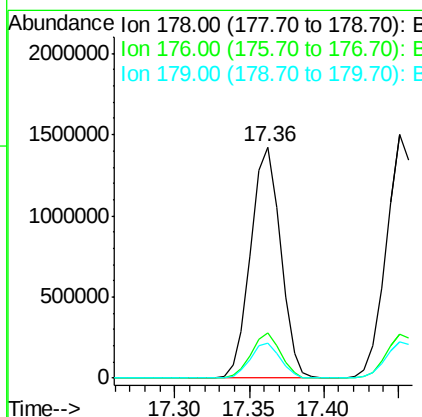
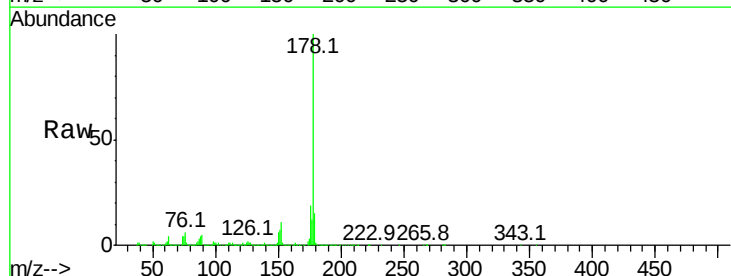
Instrument :  
 BNA\_M  
 ClientSampleId :

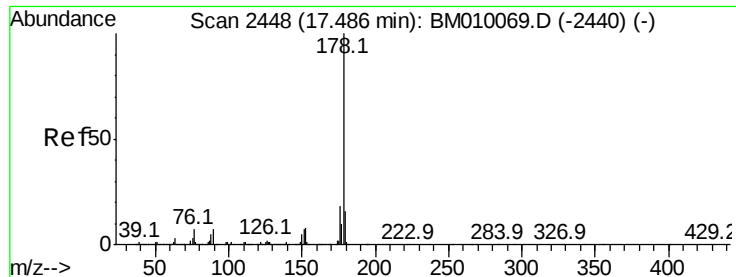
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.6  | 52.0  | 78.0  |
| 264     | 64.7  | 49.0  | 73.4  |



#70  
 Phenanthrene  
 Concen: 51.11 ng  
 RT: 17.36 min Scan# 2427  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.2  | 22.8  |
| 179     | 15.3  | 12.1  | 18.1  |





#71

Anthracene

Concen: 53.87 ng

RT: 17.45 min Scan# 2442

Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

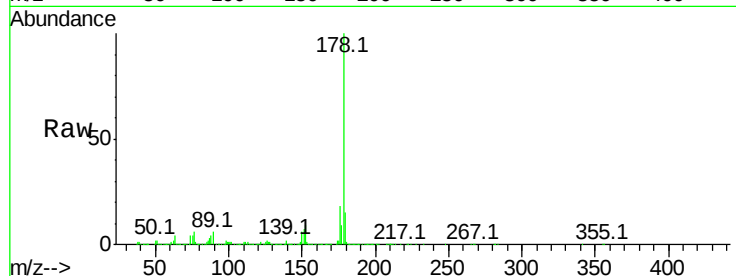
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:178 Resp: 2058922

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 14.6  | 22.0  |
| 179 | 14.7  | 12.6  | 19.0  |

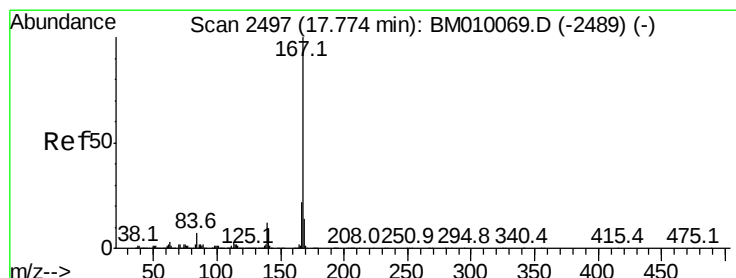
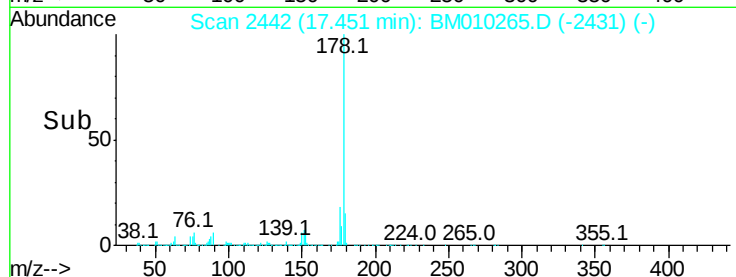
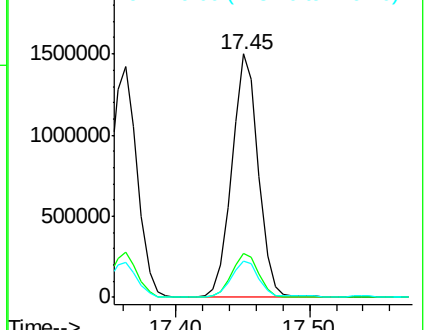


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 52.24 ng

RT: 17.74 min Scan# 2491

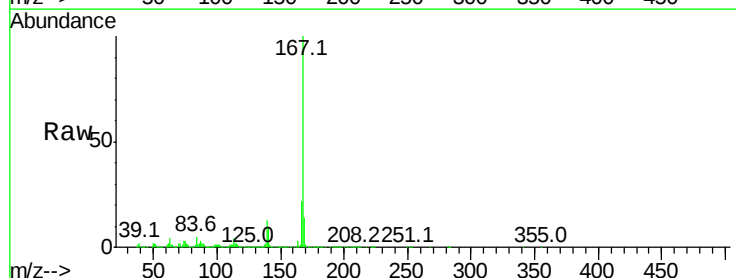
Delta R.T. -0.04 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion:167 Resp: 1767801

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.0  | 17.2  | 25.8  |
| 139 | 12.6  | 10.8  | 16.2  |

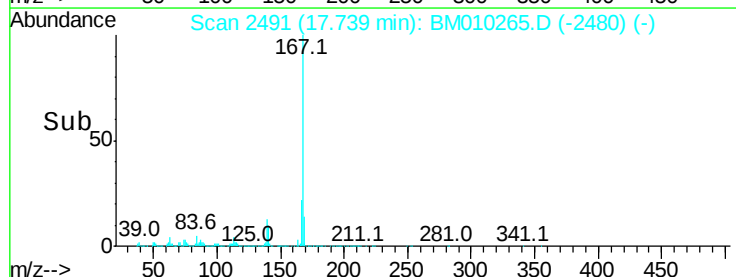
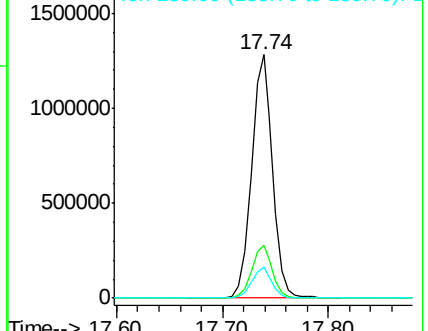


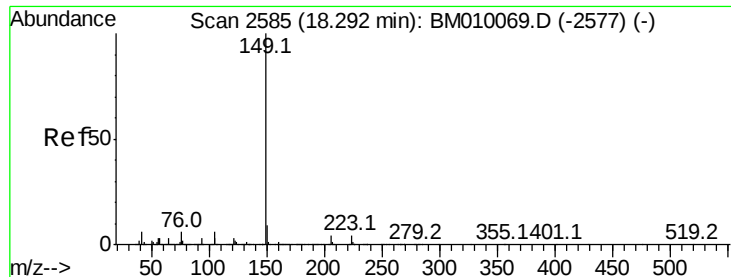
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

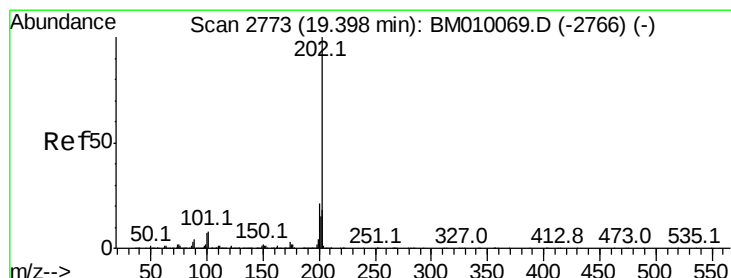
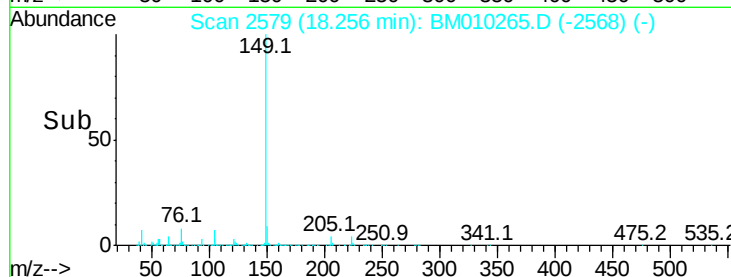
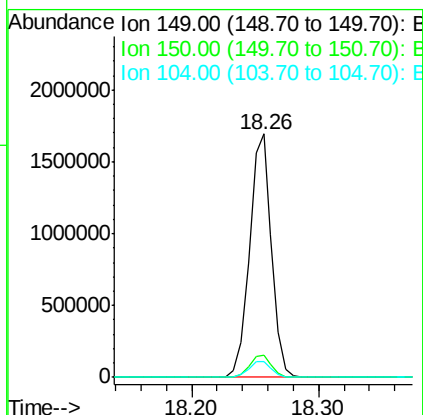
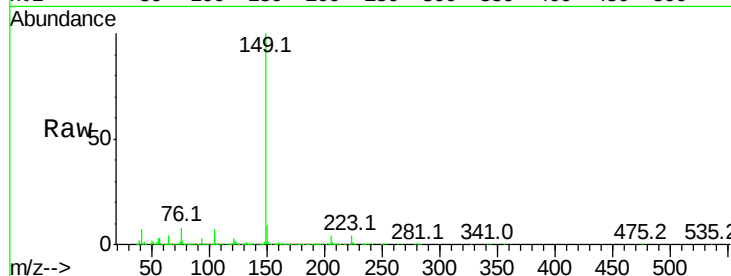




#73  
Di-n-butylphthalate  
Concen: 50.58 ng  
RT: 18.26 min Scan# 2579  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

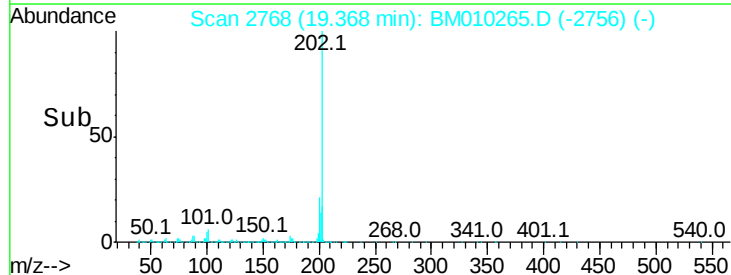
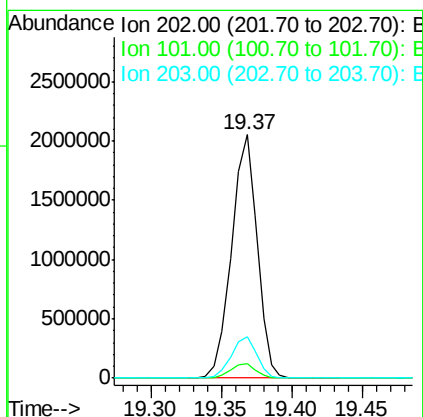
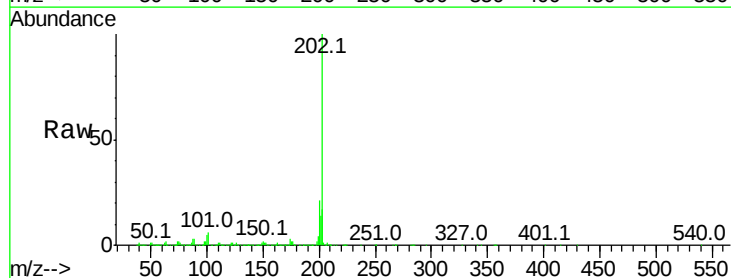
Instrument :  
BNA\_M  
ClientSampled :

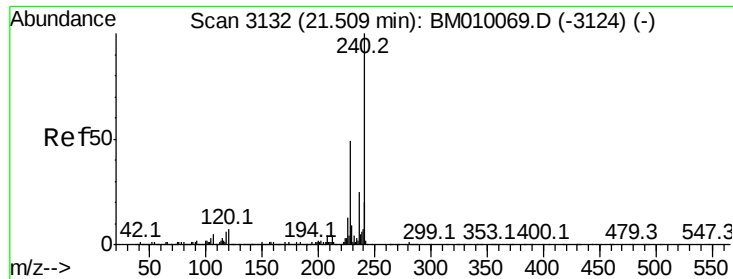
Tot Ion:149 Resp: 2029525  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 6.7 3.7 5.5#



#74  
Fluoranthene  
Concen: 51.75 ng  
RT: 19.37 min Scan# 2768  
Delta R.T. -0.03 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:202 Resp: 2587989  
Ion Ratio Lower Upper  
202 100  
101 5.8 0.0 28.7  
203 17.0 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.48 min Scan# 3127

Delta R.T. -0.03 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

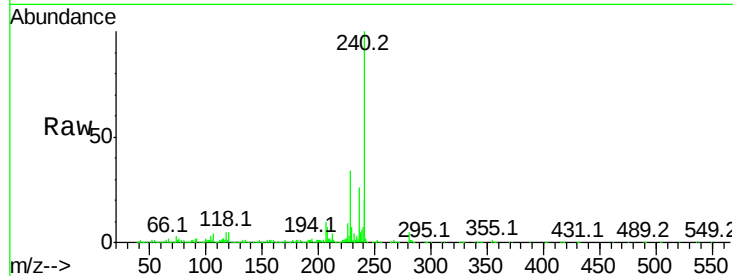
Tot Ion:240 Resp: 1005563

Ion Ratio Lower Upper

240 100

120 5.2 8.2 12.2#

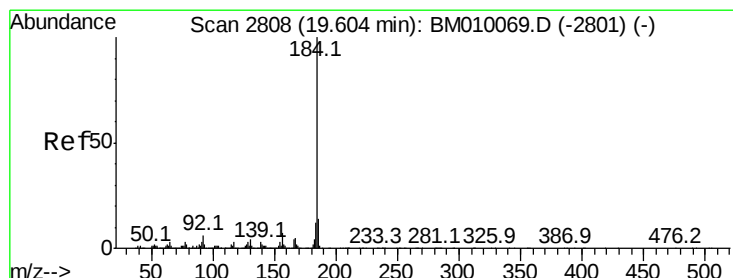
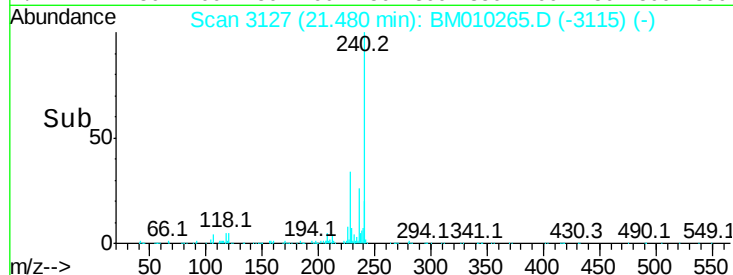
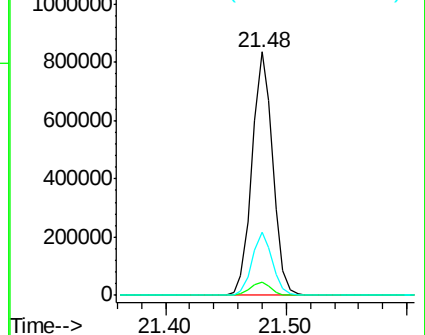
236 25.8 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.68 ng

RT: 19.58 min Scan# 2804

Delta R.T. -0.02 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

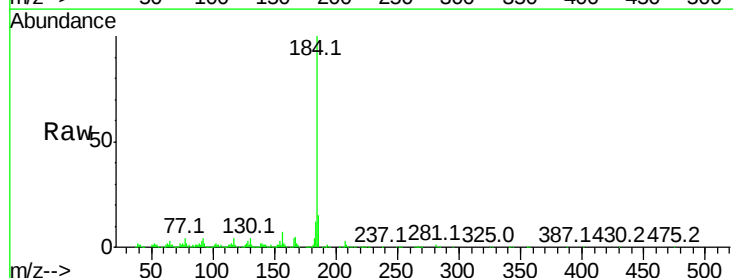
Tgt Ion:184 Resp: 661684

Ion Ratio Lower Upper

184 100

185 14.7 11.3 16.9

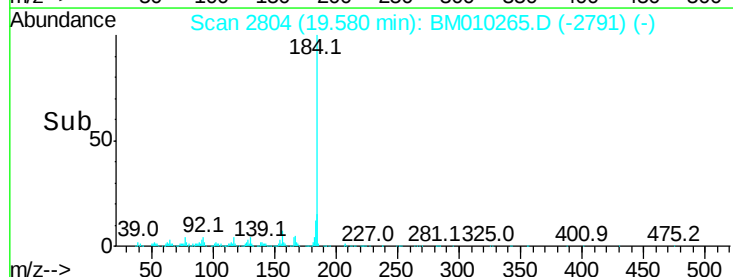
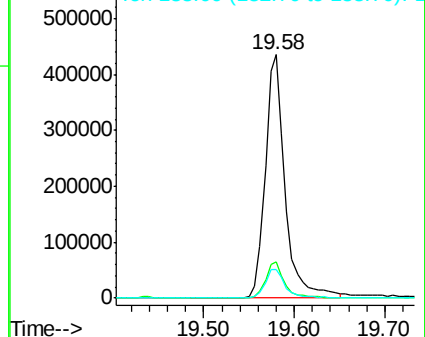
183 11.7 8.9 13.3

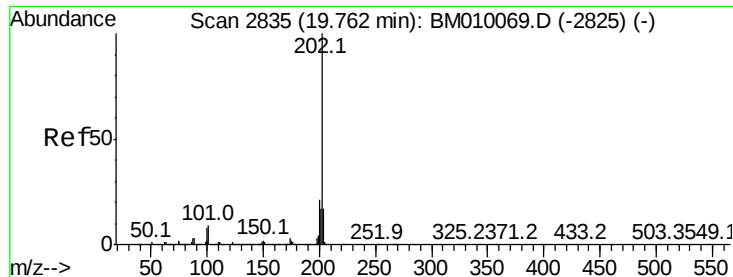


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 48.92 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.03 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

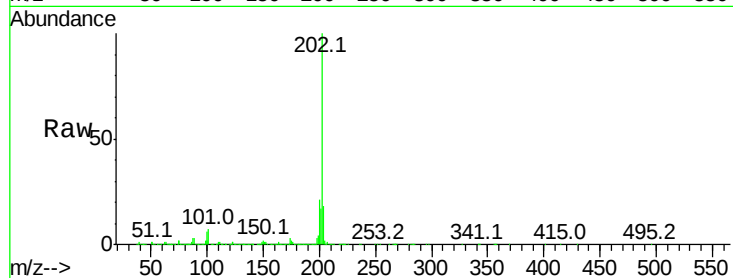
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:202 Resp: 2637249

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.3  | 16.9  | 25.3  |
| 203 | 17.6  | 14.1  | 21.1  |

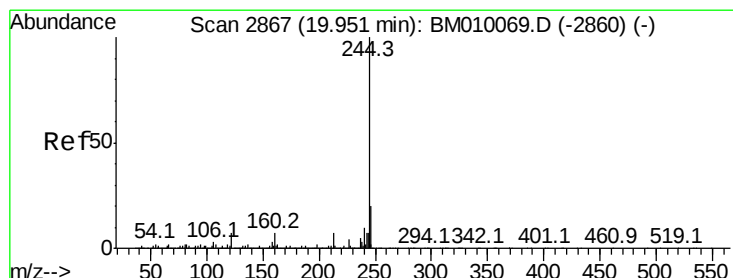
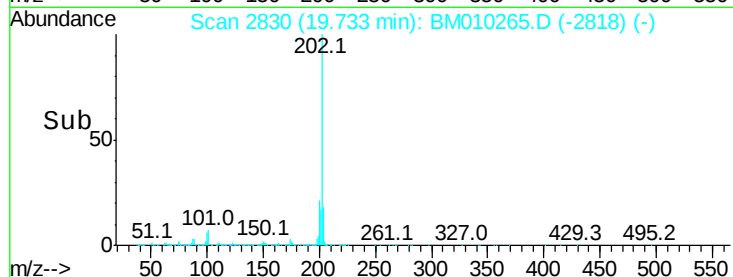
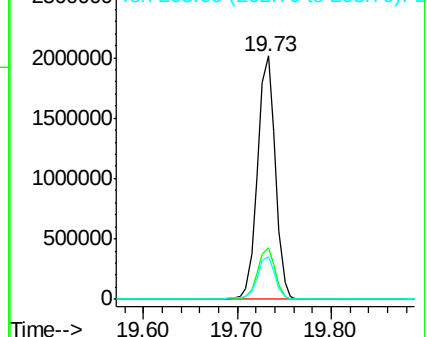


Abundance

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



#78

Terphenyl-d14

Concen: 92.31 ng

RT: 19.92 min Scan# 2862

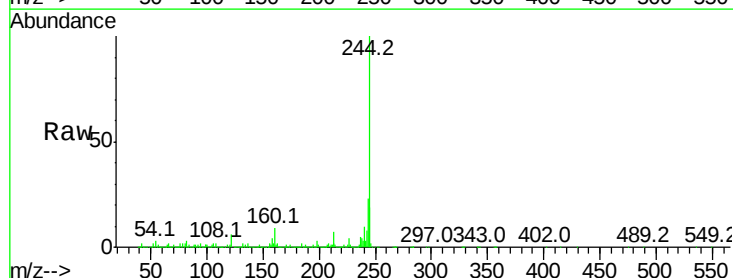
Delta R.T. -0.03 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion:244 Resp: 4082407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 4.9   | 7.3#  |
| 122 | 6.2   | 6.2   | 9.4#  |

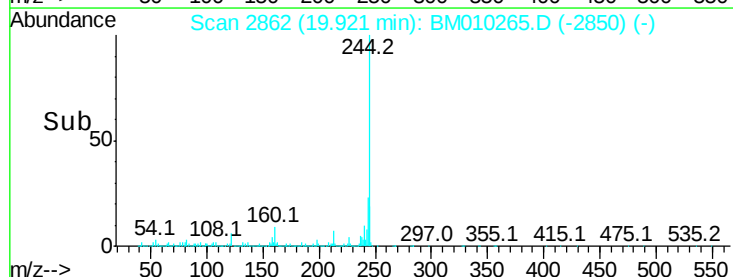
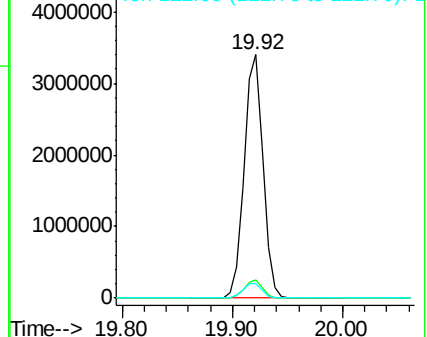


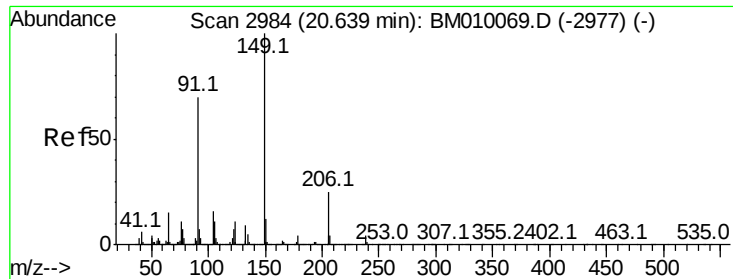
Abundance

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

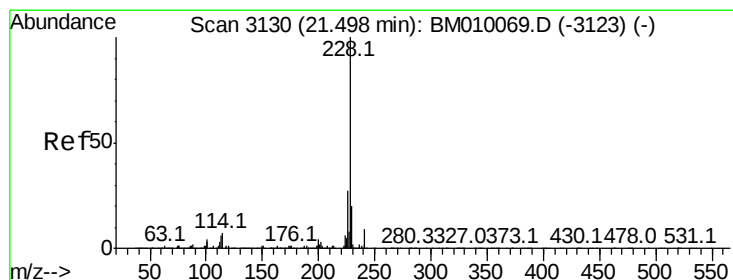
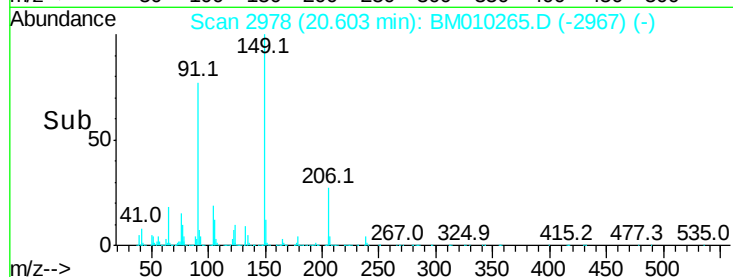
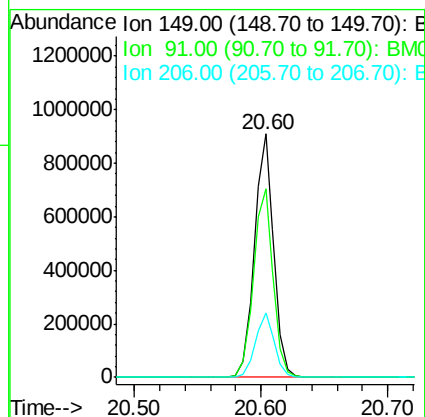
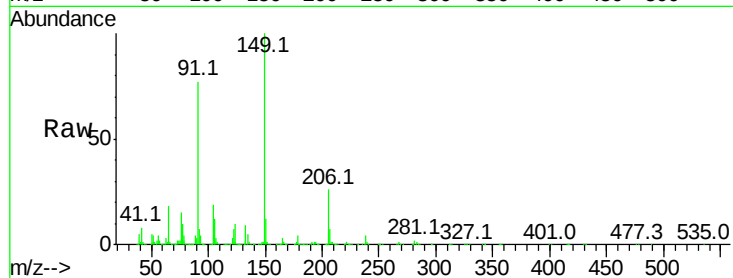




#79  
Butylbenzylphthalate  
Concen: 47.99 ng  
RT: 20.60 min Scan# 2978  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

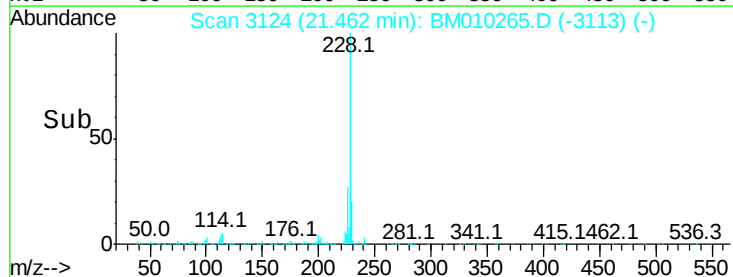
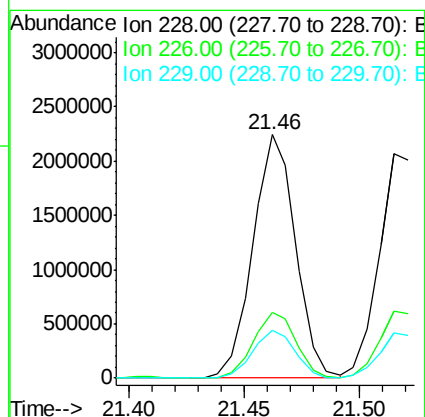
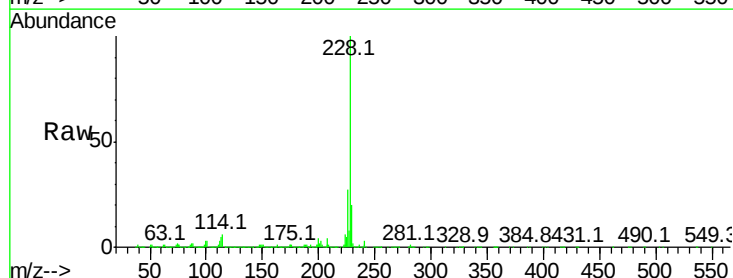
Instrument :  
BNA\_M  
ClientSampleId :

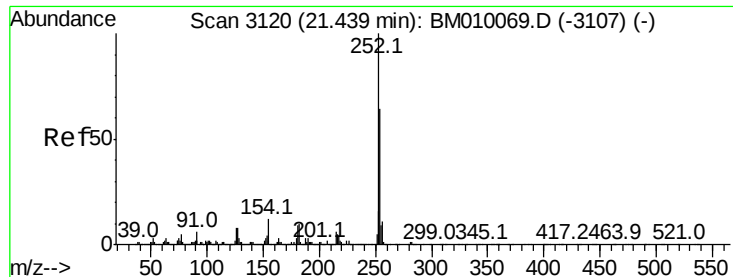
Tot Ion:149 Resp: 957641  
Ion Ratio Lower Upper  
149 100  
91 77.4 50.1 75.1#  
206 26.5 16.2 24.2#



#80  
Benzo(a)anthracene  
Concen: 51.77 ng  
RT: 21.46 min Scan# 3124  
Delta R.T. -0.04 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:228 Resp: 2868894  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.7 32.5  
229 19.9 16.0 24.0

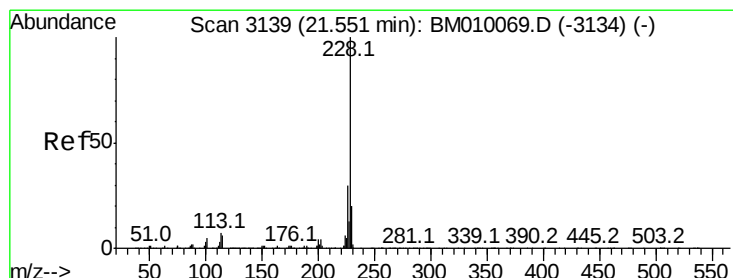
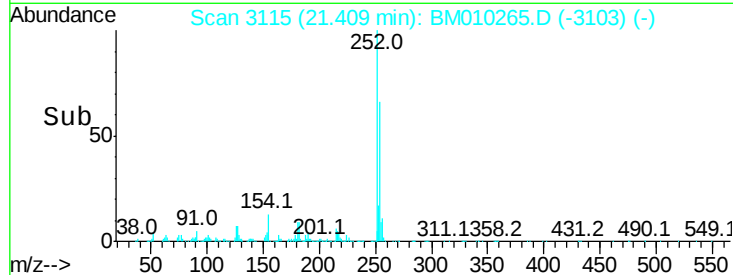
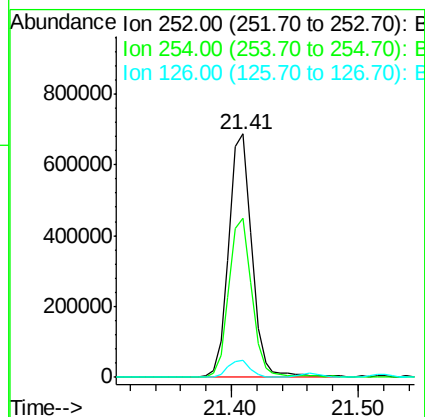
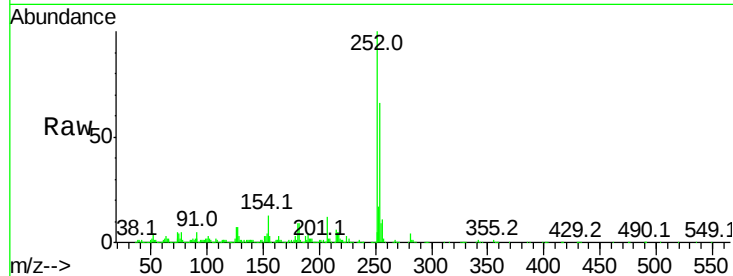




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.82 ng  
 RT: 21.41 min Scan# 3115  
 Delta R.T. -0.03 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

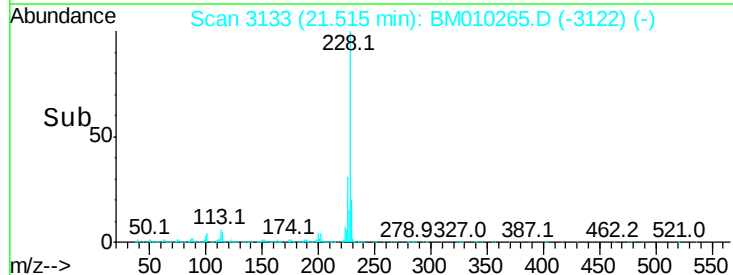
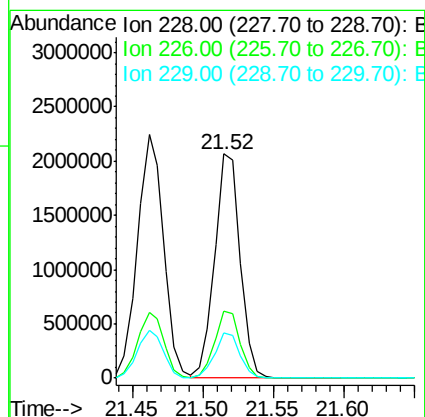
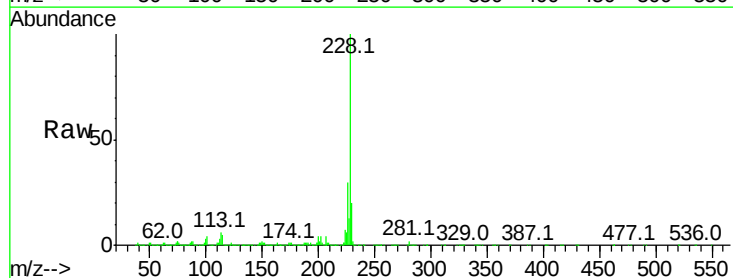
Instrument :  
 BNA\_M  
 ClientSampleId :

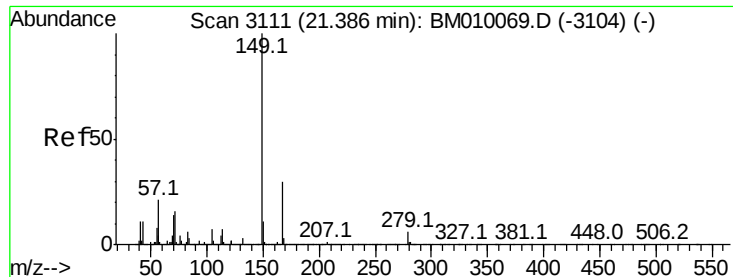
Tot Ion:252 Resp: 865326  
 Ion Ratio Lower Upper  
 252 100  
 254 65.6 51.9 77.9  
 126 6.8 9.8 14.8#



#82  
 Chrysene  
 Concen: 49.05 ng  
 RT: 21.52 min Scan# 3133  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

Tgt Ion:228 Resp: 2578297  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 24.1 36.1  
 229 20.0 15.5 23.3

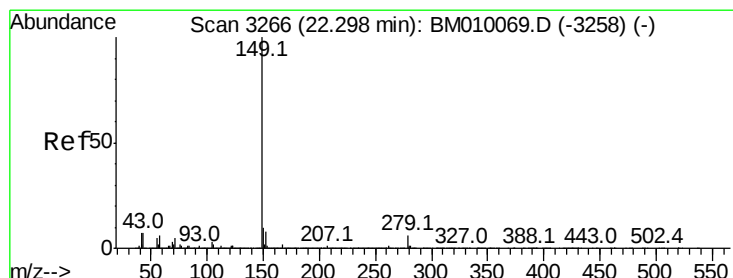
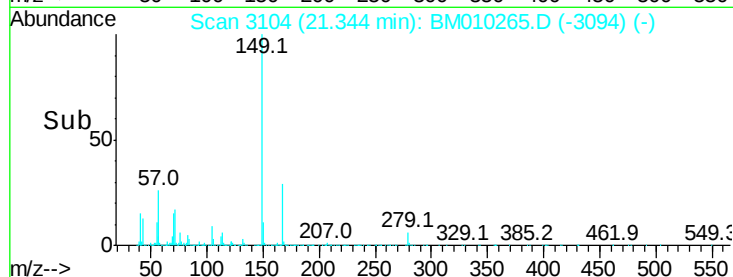
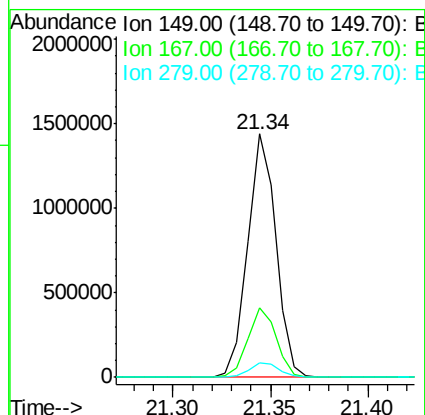
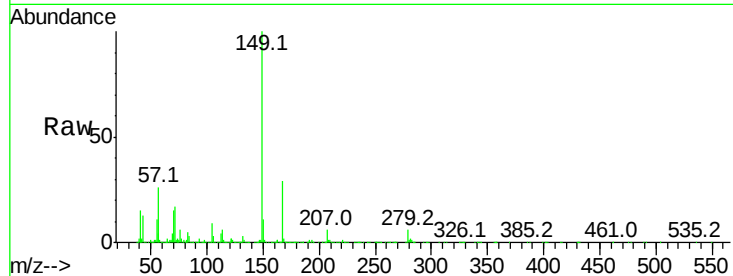




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.30 ng  
 RT: 21.34 min Scan# 3104  
 Delta R.T. -0.04 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

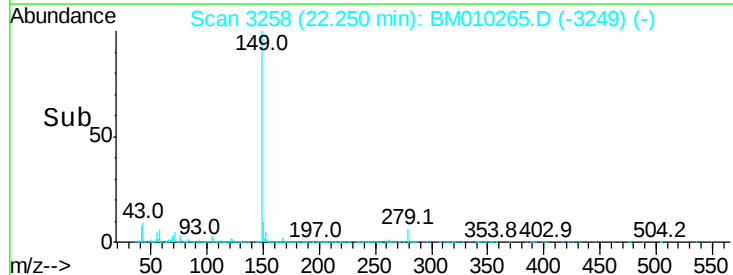
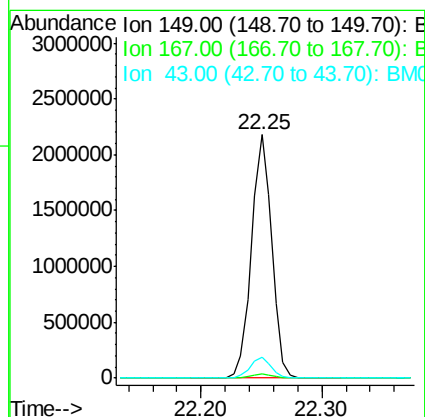
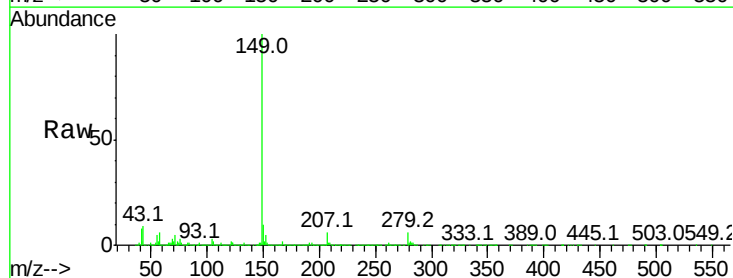
Instrument :  
 BNA\_M  
 ClientSampleId :

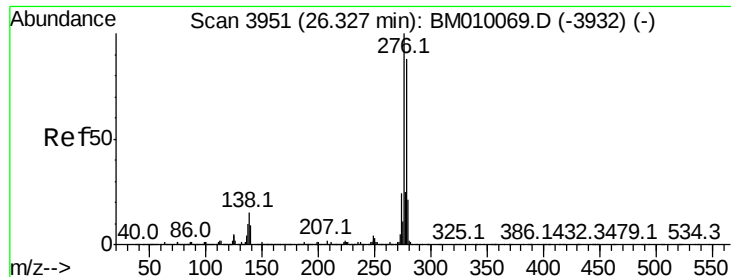
Tot Ion:149 Resp: 1441486  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 22.4 33.6  
 279 5.8 3.4 5.0#



#84  
 Di-n-octyl phthalate  
 Concen: 47.70 ng  
 RT: 22.25 min Scan# 3258  
 Delta R.T. -0.05 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

Tgt Ion:149 Resp: 2548909  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.2 1.8  
 43 8.7 7.3 10.9

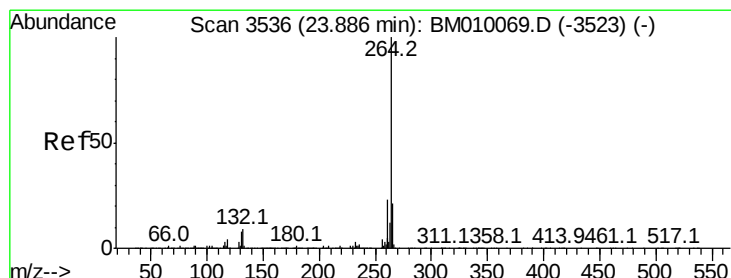
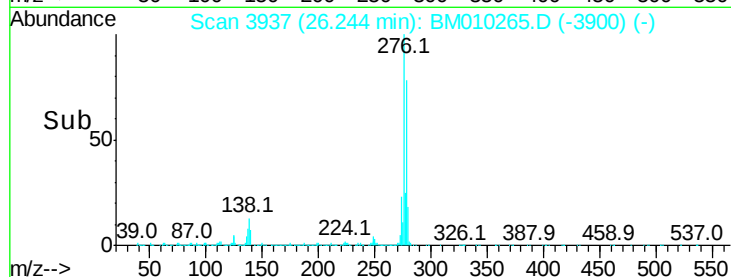
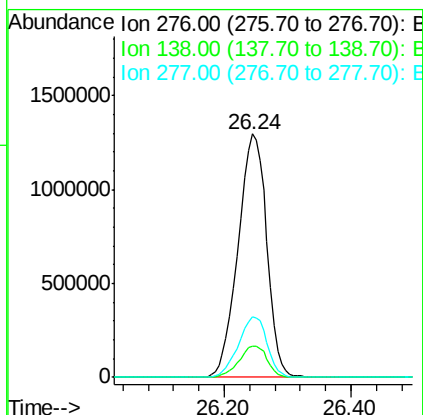
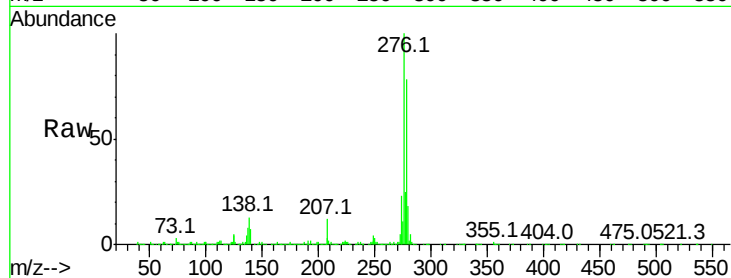




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 52.75 ng  
RT: 26.24 min Scan# 3937  
Delta R.T. -0.08 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

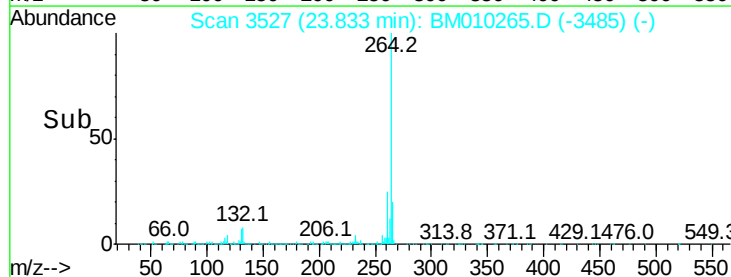
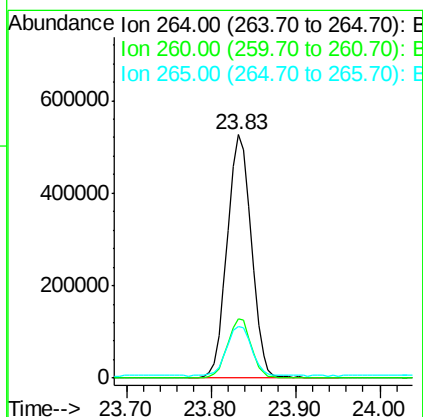
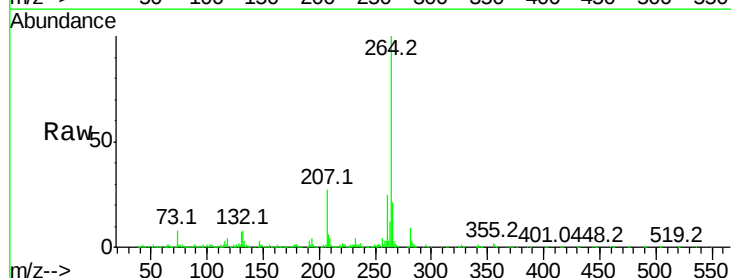
Instrument :  
BNA\_M  
ClientSampleId :

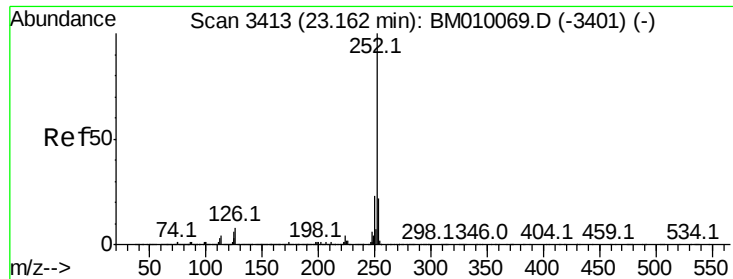
Tot Ion:276 Resp: 4065685  
Ion Ratio Lower Upper  
276 100  
138 12.7 0.0 0.0#  
277 24.9 0.0 0.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.83 min Scan# 3527  
Delta R.T. -0.05 min  
Lab File: BM010265.D  
Acq: 26 May 2017 19:59

Tgt Ion:264 Resp: 1038986  
Ion Ratio Lower Upper  
264 100  
260 24.6 18.6 27.8  
265 21.3 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 53.06 ng

RT: 23.11 min Scan# 3405

Delta R.T. -0.05 min

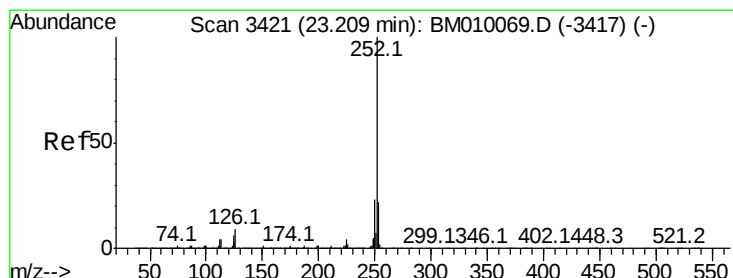
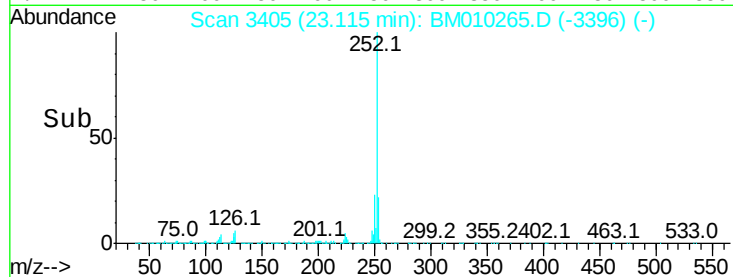
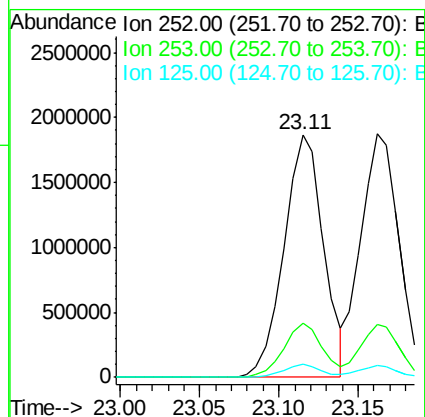
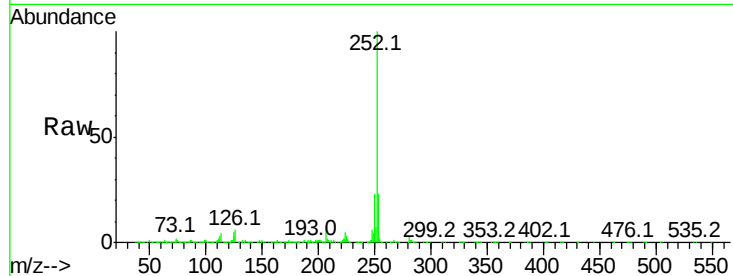
Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:252 Resp: 3226314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.5  | 18.0  | 27.0  |
| 125 | 5.2   | 9.9   | 14.9# |



#88

Benzo(k)fluoranthene

Concen: 52.63 ng

RT: 23.16 min Scan# 3413

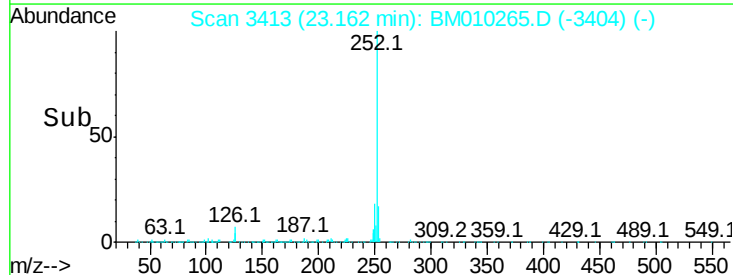
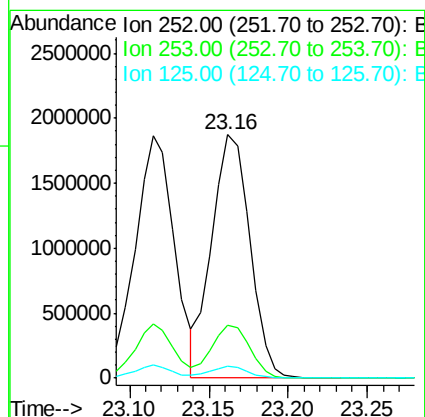
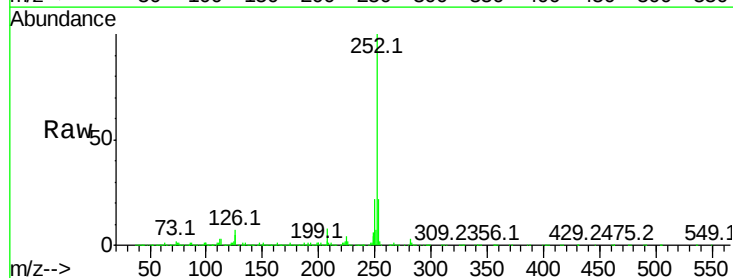
Delta R.T. -0.05 min

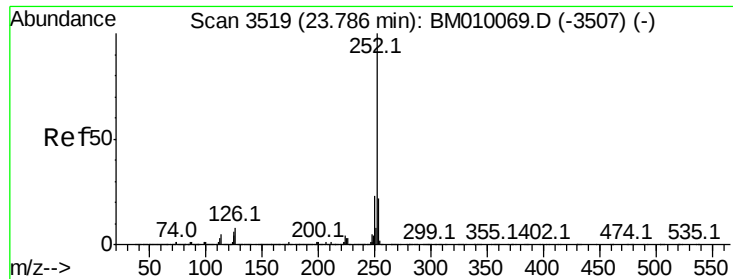
Lab File: BM010265.D

Acq: 26 May 2017 19:59

Tgt Ion:252 Resp: 3135356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.2  | 25.8  |
| 125 | 5.0   | 8.1   | 12.1# |





#89

Benzo(a)pyrene

Concen: 53.42 ng

RT: 23.73 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

Instrument :

BNA\_M

ClientSampleId :

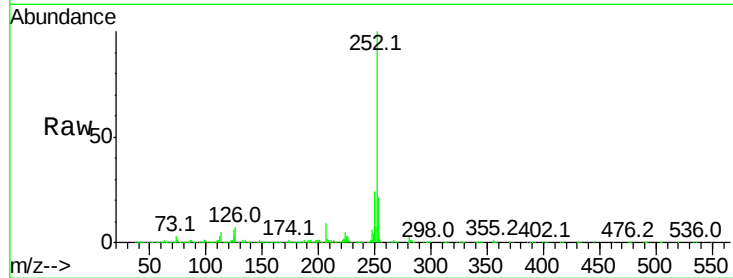
Tot Ion:252 Resp: 3095374

Ion Ratio Lower Upper

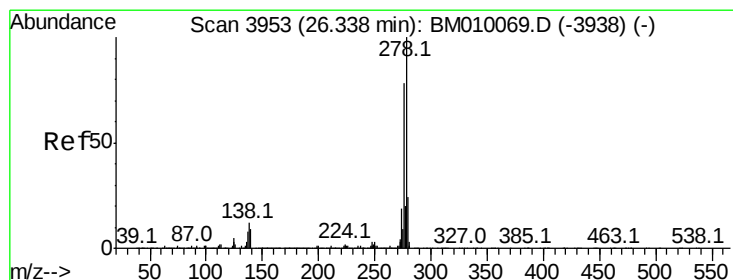
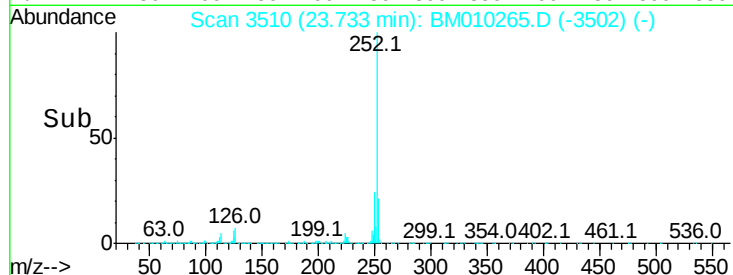
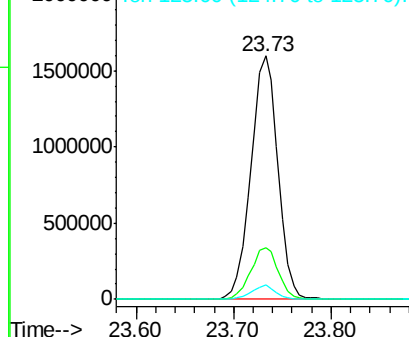
252 100

253 21.5 17.6 26.4

125 5.7 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: 51.80 ng

RT: 26.26 min Scan# 3939

Delta R.T. -0.08 min

Lab File: BM010265.D

Acq: 26 May 2017 19:59

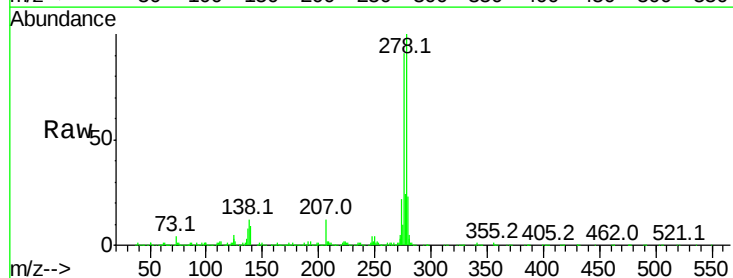
Tgt Ion:278 Resp: 3356363

Ion Ratio Lower Upper

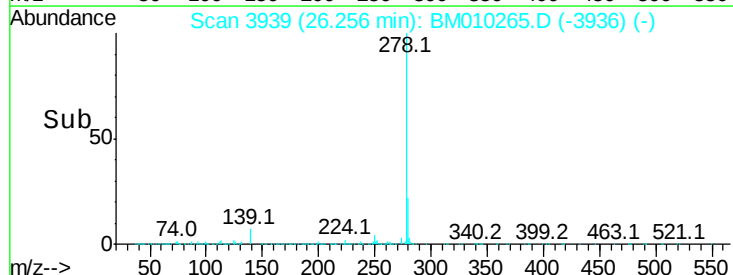
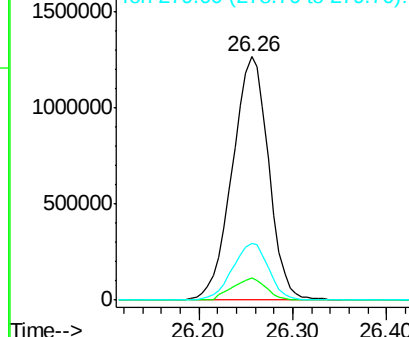
278 100

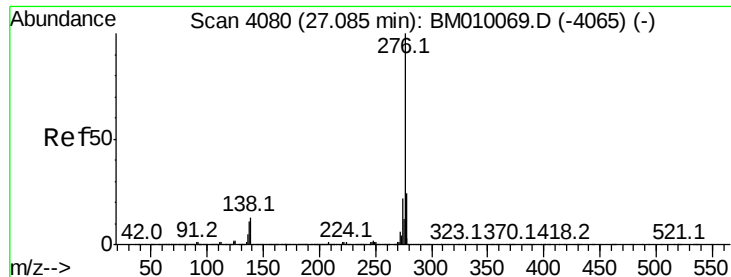
139 8.9 13.4 20.0#

279 23.2 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



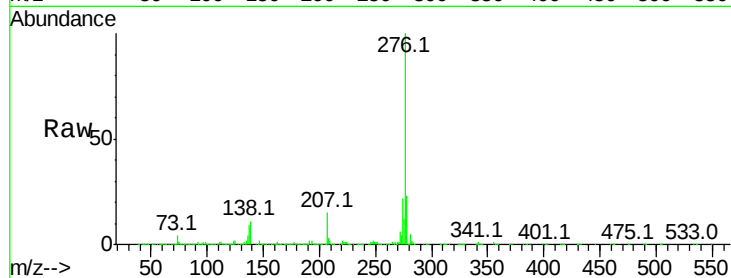


#91  
 Benzo(a,h,i)perylene  
 Concen: 51.63 ng  
 RT: 27.00 min Scan# 4066  
 Delta R.T. -0.08 min  
 Lab File: BM010265.D  
 Acq: 26 May 2017 19:59

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:276 Resp: 3277693  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.9  | 18.5  | 27.7  |
| 138 | 10.7  | 19.0  | 28.6  |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 277.00 (276.70 to 277.70): E  
 Ion 138.00 (137.70 to 138.70): E

