

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\  
 Data File : BM016503.D  
 Acq On : 22 Aug 2018 02:55  
 Operator : SJ/JU  
 Sample : J4539-05MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 22 04:05:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 21 16:31:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 213061   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.83 | 136  | 709945   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.66 | 164  | 558478   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.40 | 188  | 1647283  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.54 | 240  | 1937946  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.83 | 264  | 1803133  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.57  | 112  | 1499409  | 137.91 | ng    | 0.01     |
| 7) Phenol-d6                | 7.20  | 99   | 1710498  | 118.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 1736693  | 111.69 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 3076992  | 197.09 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 7123245  | 122.60 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.99 | 244  | 11551777 | 126.17 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 2) 1,4-Dioxane                 | 3.40  | 88   | 224008   | 37.293  | ng    | # 100  |
| 3) Pyridine                    | 3.83  | 79   | 405549   | 32.450  | ng    | # 83   |
| 4) n-Nitrosodimethylamine      | 3.75  | 42   | 259531   | 46.614  | ng    | # 69   |
| 6) Aniline                     | 7.36  | 93   | 321761   | 19.985  | ng    | 93     |
| 8) 2-Chlorophenol              | 7.59  | 128  | 608501   | 47.033  | ng    | 95     |
| 9) Benzaldehyde                | 7.18  | 77   | 180701   | 18.097  | ng    | # 81   |
| 10) Phenol                     | 7.23  | 94   | 540509   | 37.987  | ng    | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93   | 456449   | 42.780  | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146  | 752184   | 43.851  | ng    | # 90   |
| 13) 1,4-Dichlorobenzene        | 8.06  | 146  | 771542   | 43.829  | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 8.37  | 146  | 764646   | 44.214  | ng    | 98     |
| 15) Benzyl Alcohol             | 8.29  | 79   | 548274   | 41.035  | ng    | # 81   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55  | 45   | 287092   | 39.077  | ng    | # 44   |
| 17) 2-Methylphenol             | 8.48  | 107  | 450648   | 43.737  | ng    | # 78   |
| 18) Hexachloroethane           | 9.08  | 117  | 348846   | 43.016  | ng    | # 42   |
| 19) n-Nitroso-di-n-propylamine | 8.85  | 70   | 482456   | 42.770  | ng    | # 81   |
| 20) 3+4-Methylphenols          | 8.82  | 107  | 595534   | 41.803  | ng    | # 83   |
| 22) Acetophenone               | 8.87  | 105  | 938049   | 54.871  | ng    | # 94   |
| 24) Nitrobenzene               | 9.25  | 77   | 784358   | 50.488  | ng    | 95     |
| 25) Isophorone                 | 9.77  | 82   | 1274234  | 61.317  | ng    | # 96   |
| 26) 2-Nitrophenol              | 9.96  | 139  | 360016   | 54.206  | ng    | # 55   |
| 27) 2,4-Dimethylphenol         | 10.01 | 122  | 538008   | 62.159  | ng    | # 73   |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93   | 705904   | 56.904  | ng    | # 98   |
| 29) 2,4-Dichlorophenol         | 10.49 | 162  | 852976   | 65.847  | ng    | 91     |
| 30) 1,2,4-Trichlorobenzene     | 10.69 | 180  | 1272571  | 64.742  | ng    | # 94   |
| 31) Naphthalene                | 10.88 | 128  | 1904562  | 56.307  | ng    | 99     |
| 32) Benzoic acid               | 10.25 | 122  | 333797   | 46.093  | ng    | # 75   |
| 33) 4-Chloroaniline            | 11.02 | 127  | 182091   | 12.792  | ng    | # 90   |
| 34) Hexachlorobutadiene        | 11.13 | 225  | 1150653  | 61.333  | ng    | 99     |
| 35) Caprolactam                | 11.84 | 113  | 97792    | 31.461  | ng    | # 45   |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107  | 652723   | 52.413  | ng    | 96     |
| 37) 2-Methylnaphthalene        | 12.49 | 142  | 1722738  | 65.059  | ng    | # 90   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216  | 1827876  | 57.952  | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.80 | 237  | 2148079  | 123.837 | ng    | 100    |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\  
 Data File : BM016503.D  
 Acq On : 22 Aug 2018 02:55  
 Operator : SJ/JU  
 Sample : J4539-05MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

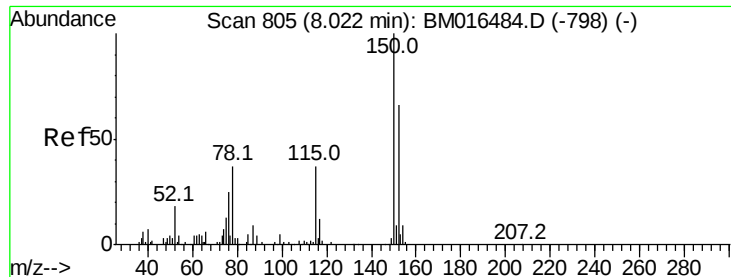
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 22 04:05:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 21 16:31:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.10 | 196  | 1147121  | 60.818  | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.10 | 196  | 939109   | 50.972  | nq    | 96       |
| 45) 1,1'-Biphenyl              | 13.49 | 154  | 2551336  | 52.100  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.55 | 162  | 2116219  | 53.192  | nq    | 99       |
| 47) 2-Nitroaniline             | 13.77 | 65   | 458176   | 43.237  | nq    | 92       |
| 48) Acenaphthylene             | 14.39 | 152  | 3174208  | 56.522  | nq    | 99       |
| 49) Dimethylphthalate          | 14.13 | 163  | 2897630  | 54.005  | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 14.27 | 165  | 575652   | 55.006  | nq #  | 91       |
| 51) Acenaphthene               | 14.73 | 154  | 1855441  | 53.778  | nq    | 97       |
| 52) 3-Nitroaniline             | 14.60 | 138  | 216909   | 22.779  | nq #  | 74       |
| 53) 2,4-Dinitrophenol          | 14.83 | 184  | 782093   | 149.333 | nq #  | 70       |
| 54) Dibenzofuran               | 15.06 | 168  | 3873816  | 58.652  | nq    | 98       |
| 55) 4-Nitrophenol              | 14.92 | 139  | 511190   | 84.167  | nq #  | 82       |
| 56) 2,4-Dinitrotoluene         | 15.06 | 165  | 959229   | 54.967  | nq #  | 90       |
| 57) Fluorene                   | 15.71 | 166  | 3097331  | 62.078  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 1087256  | 61.399  | nq #  | 100      |
| 59) Diethylphthalate           | 15.48 | 149  | 2694833  | 48.170  | nq #  | 93       |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204  | 2364995  | 56.522  | nq #  | 86       |
| 61) 4-Nitroaniline             | 15.77 | 138  | 359495   | 38.629  | nq #  | 1        |
| 62) Azobenzene                 | 15.99 | 77   | 2690593  | 45.154  | nq    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 620746   | 49.594  | nq #  | 54       |
| 65) n-Nitrosodiphenylamine     | 15.92 | 169  | 2572820  | 55.519  | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.59 | 248  | 1446447  | 57.147  | nq    | 100      |
| 67) Hexachlorobenzene          | 16.71 | 284  | 1660071  | 56.240  | nq    | 96       |
| 68) Atrazine                   | 16.87 | 200  | 1297720  | 61.361  | nq    | 91       |
| 69) Pentachlorophenol          | 17.06 | 266  | 1591813  | 101.923 | nq    | 98       |
| 70) Phenanthrene               | 17.45 | 178  | 5096444  | 59.859  | nq    | 99       |
| 71) Anthracene                 | 17.54 | 178  | 5221319  | 61.758  | nq    | 100      |
| 72) Carbazole                  | 17.82 | 167  | 3698637  | 48.680  | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.34 | 149  | 4504154  | 48.626  | nq #  | 96       |
| 74) Fluoranthene               | 19.45 | 202  | 6952568  | 55.694  | nq    | 94       |
| 76) Benzidine                  | 19.63 | 184  | 1635661  | 43.888  | nq    | 99       |
| 77) Pyrene                     | 19.80 | 202  | 6944780  | 65.940  | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.67 | 149  | 1934391  | 53.210  | nq #  | 81       |
| 80) Benzo(a)anthracene         | 21.53 | 228  | 6683343  | 58.659  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.46 | 252  | 1530994  | 30.188  | nq #  | 95       |
| 82) Chrysene                   | 21.58 | 228  | 6092424  | 56.043  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.42 | 149  | 2751883  | 50.919  | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 22.31 | 149  | 4425724  | 49.278  | nq #  | 92       |
| 85) Indeno(1,2,3-cd)pyrene     | 26.16 | 276  | 7587669  | 48.535  | nq #  | 92       |
| 87) Benzo(b)fluoranthene       | 23.14 | 252  | 6709128  | 64.547  | nq #  | 90       |
| 88) Benzo(k)fluoranthene       | 23.19 | 252  | 6301309  | 59.581  | nq #  | 93       |
| 89) Benzo(a)pyrene             | 23.74 | 252  | 6167960  | 60.986  | nq #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 26.16 | 278  | 6461833  | 57.010  | nq #  | 87       |
| 91) Benzo(g,h,i)perylene       | 26.87 | 276  | 5826038  | 57.262  | nq #  | 81       |

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



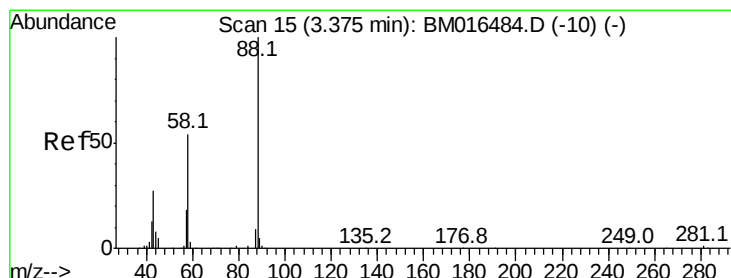
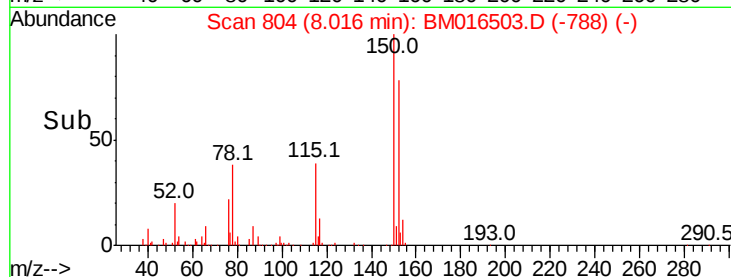
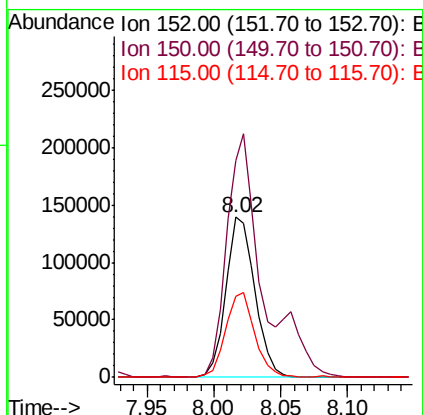
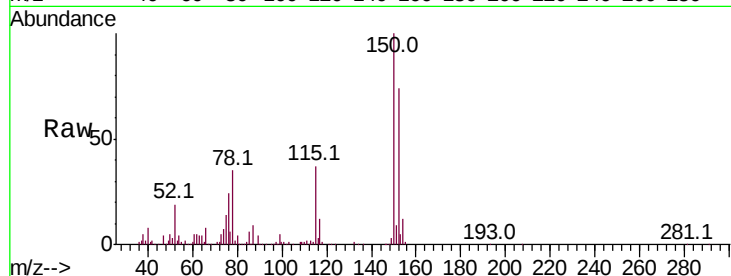


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Instrument :  
BNA\_M  
ClientSampleId :

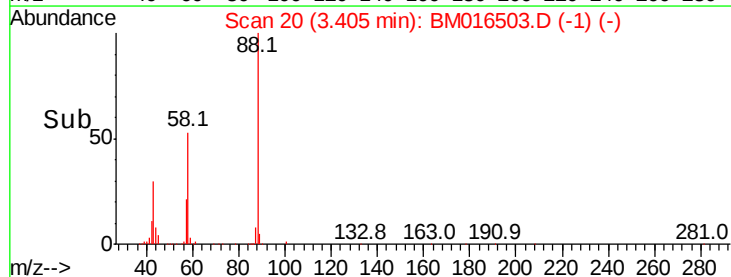
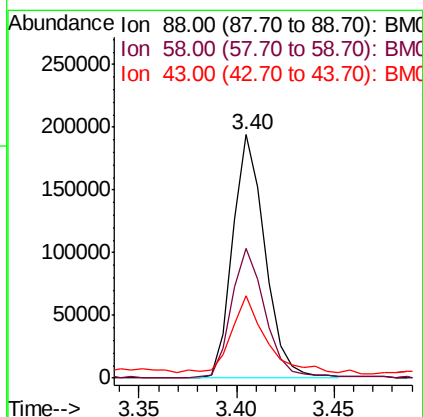
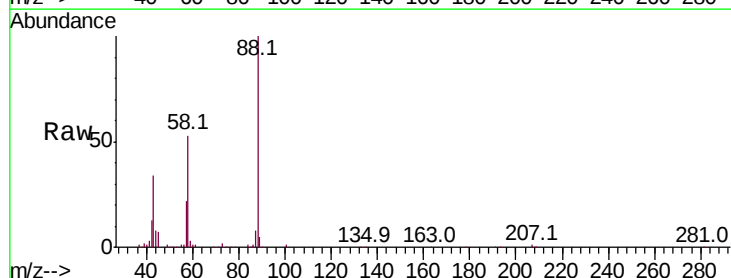
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 135.5 | 119.5 | 179.3 |
| 115     | 50.5  | 43.0  | 64.4  |

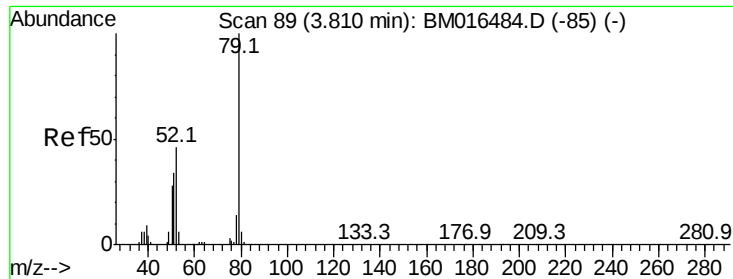


#2

1,4-Dioxane  
Concen: 37.293 ng  
RT: 3.40 min Scan# 20  
Delta R.T. 0.03 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 56.3  | 0.0   | 0.0#  |
| 43      | 32.7  | 0.0   | 0.0#  |





#3

Pvridine

Concen: 32.450 ng

RT: 3.83 min Scan# 93

Delta R.T. 0.02 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

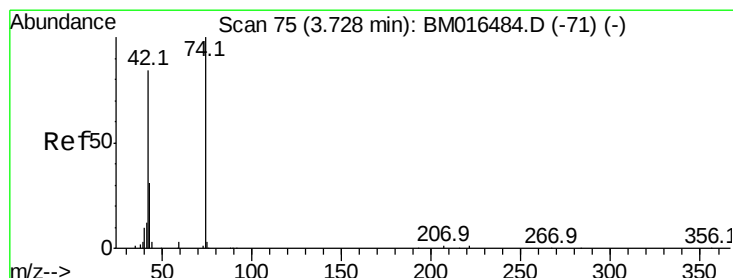
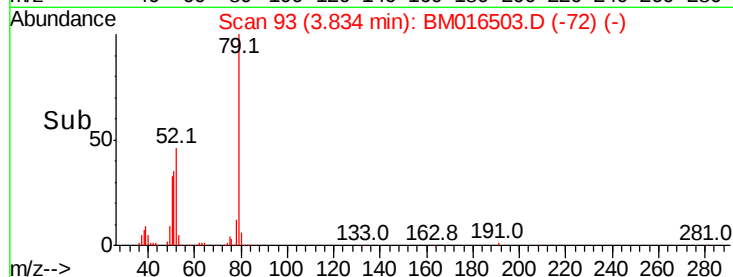
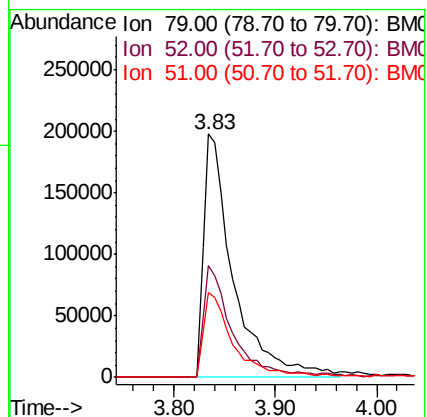
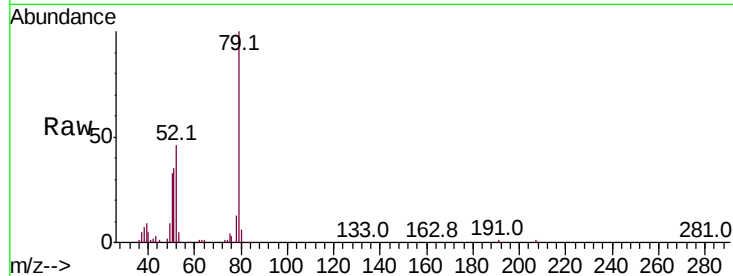
Tot Ion: 79 Resp: 405549

Ion Ratio Lower Upper

79 100

52 45.8 51.1 76.7#

51 35.0 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 46.614 ng

RT: 3.75 min Scan# 78

Delta R.T. 0.02 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

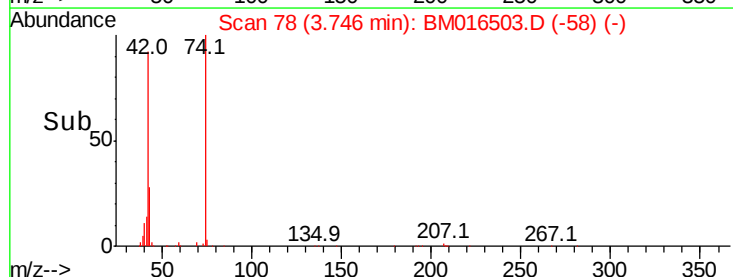
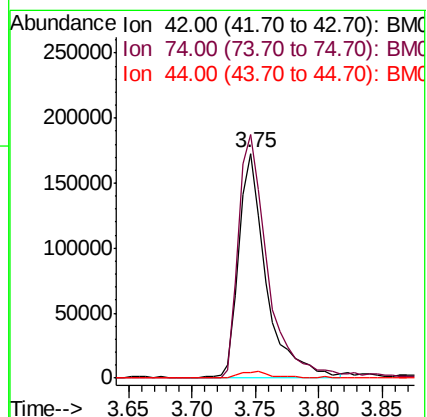
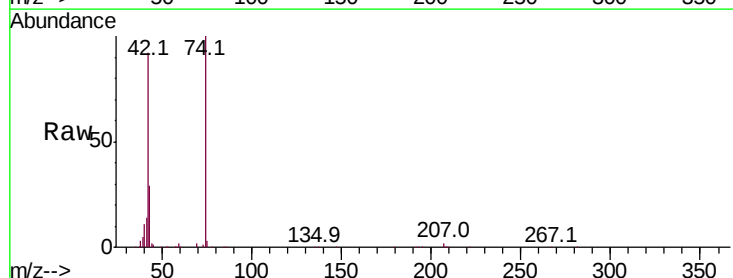
Tgt Ion: 42 Resp: 259531

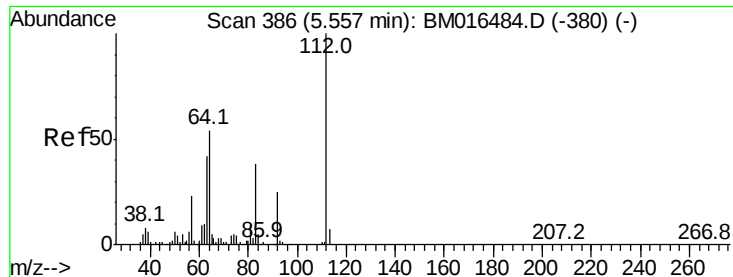
Ion Ratio Lower Upper

42 100

74 108.2 119.3 178.9#

44 2.6 5.4 8.2#





#5

2-Fluorophenol

Concen: 46.614 ng

RT: 5.57 min Scan# 388

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

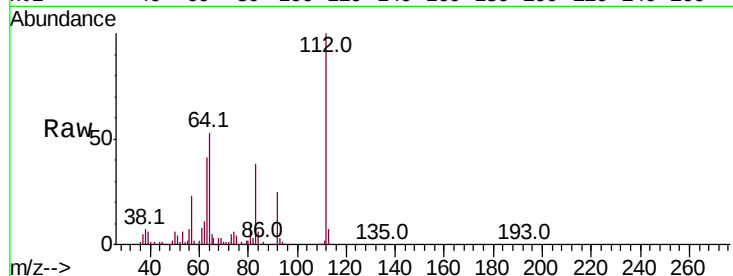
Tot Ion:112 Resp: 1499409

Ion Ratio Lower Upper

112 100

64 52.6 38.6 57.8

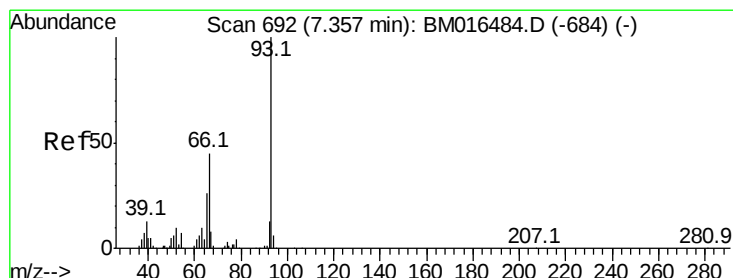
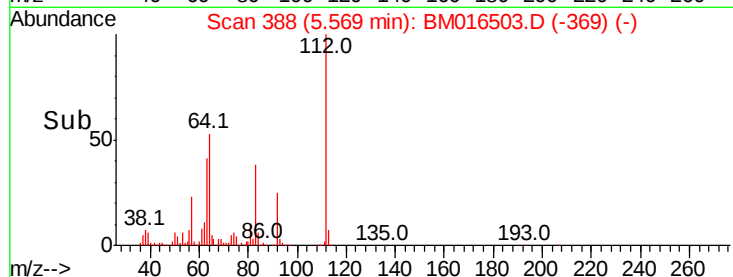
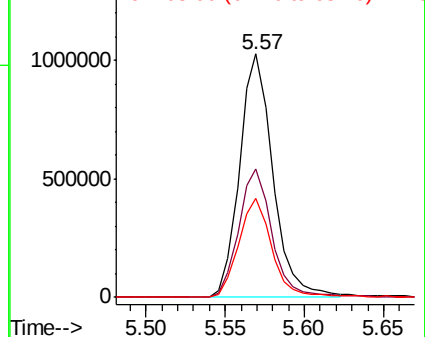
63 40.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 19.985 ng

RT: 7.36 min Scan# 693

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

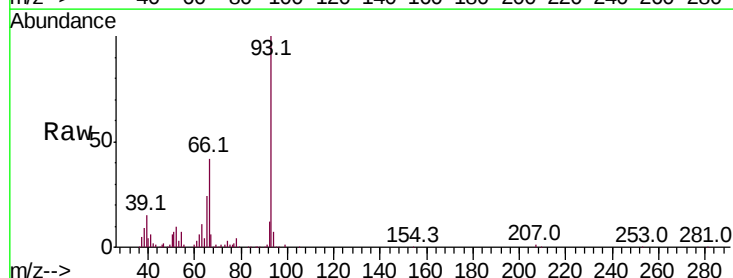
Tgt Ion: 93 Resp: 321761

Ion Ratio Lower Upper

93 100

66 42.1 30.8 46.2

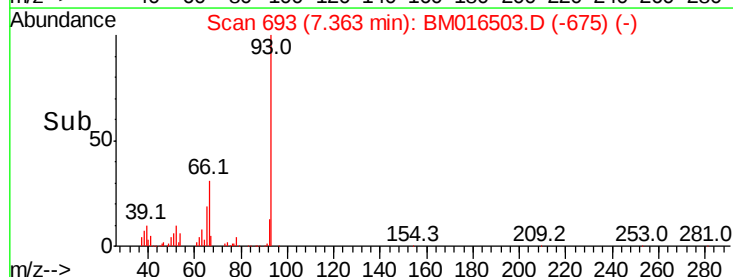
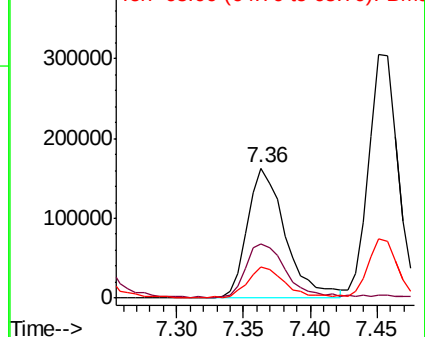
65 23.8 16.0 24.0

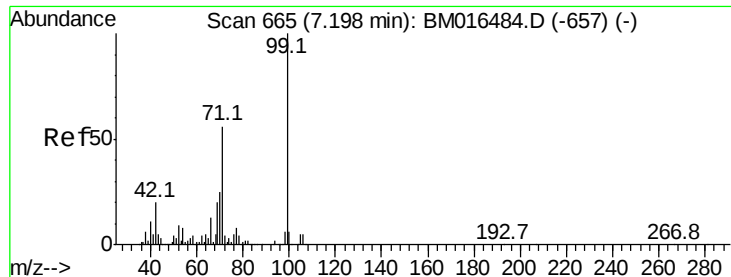


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 19.985 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

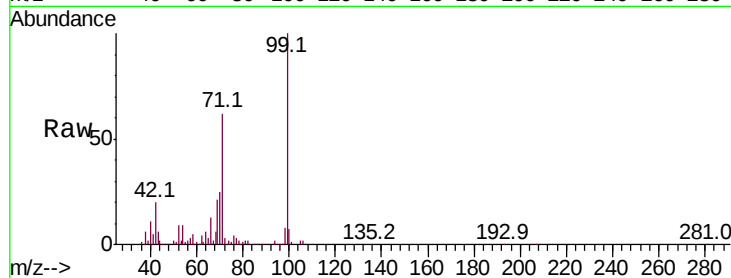
Tot Ion: 99 Resp: 1710498

Ion Ratio Lower Upper

99 100

42 19.7 11.0 16.4#

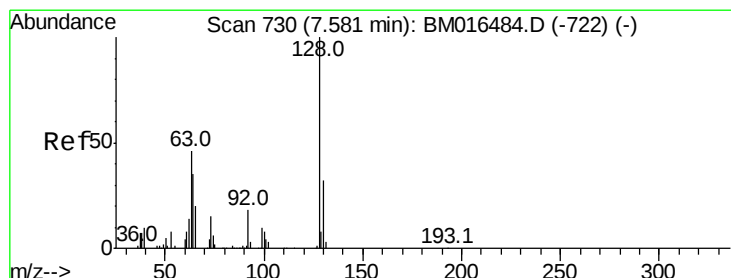
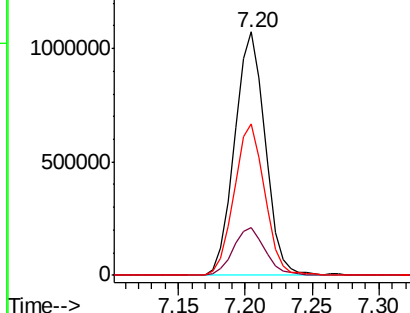
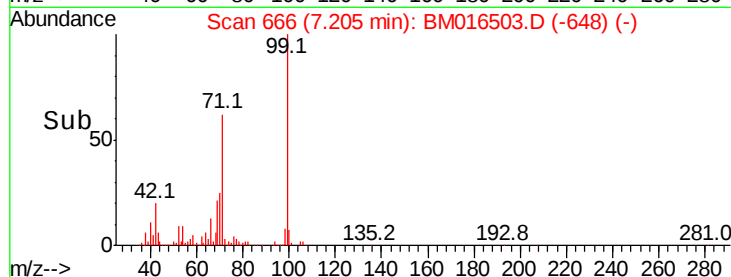
71 62.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016484.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016484.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016484.D (-657) (-)



#8

2-Chlorophenol

Concen: 47.033 ng

RT: 7.59 min Scan# 731

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

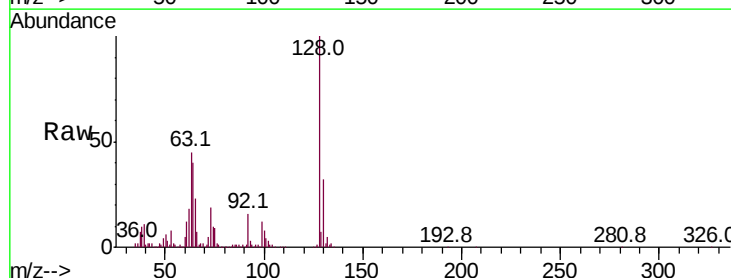
Tgt Ion:128 Resp: 608501

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

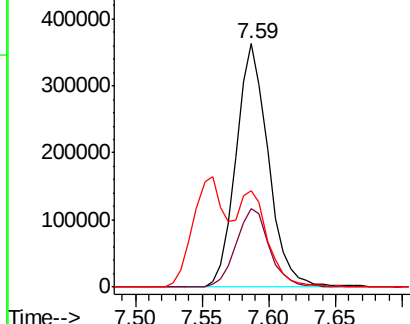
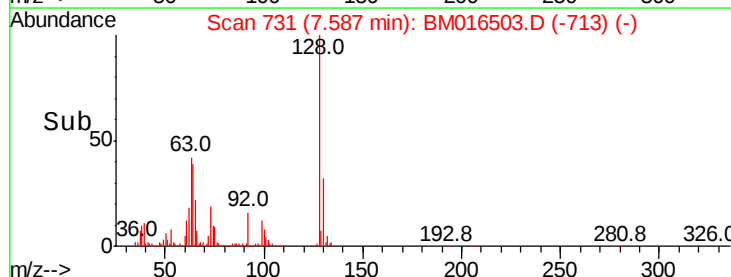
64 39.8 24.9 64.9

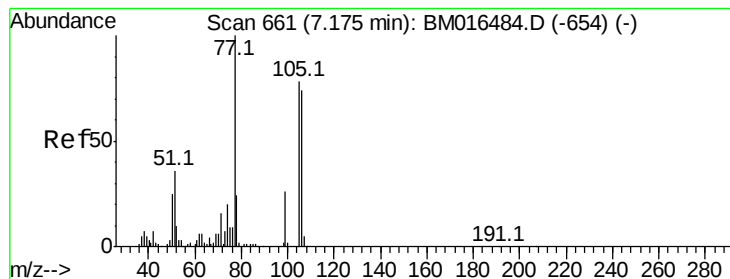


Abundance Ion 128.00 (127.70 to 128.70): BM016484.D (-722) (-)

Ion 130.00 (129.70 to 130.70): BM016484.D (-722) (-)

Ion 64.00 (63.70 to 64.70): BM016484.D (-722) (-)





#9

Benzaldehyde

Concen: 18.097 ng

RT: 7.18 min Scan# 662

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampled :

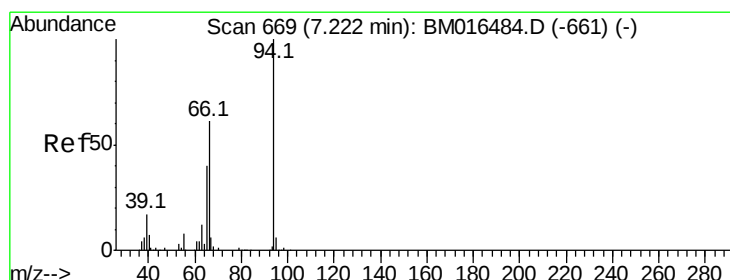
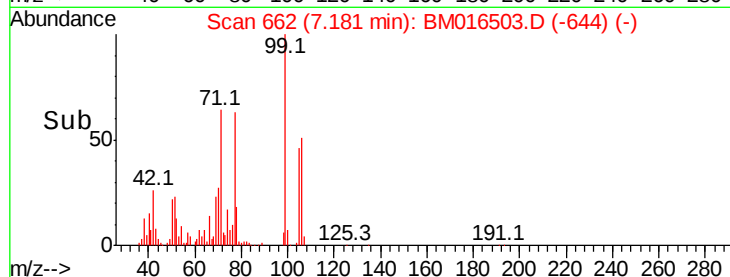
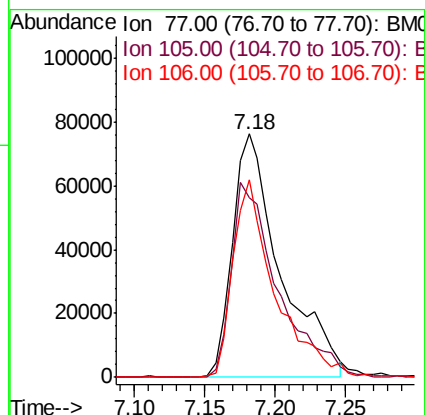
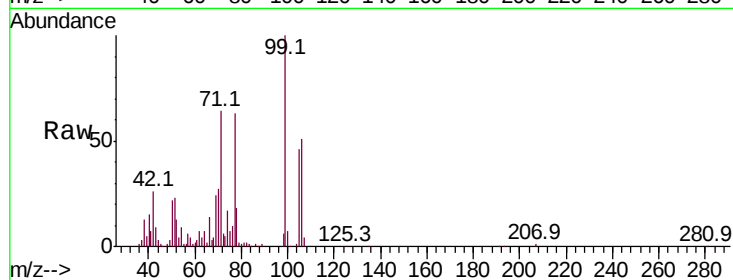
Tot Ion: 77 Resp: 180701

Ion Ratio Lower Upper

77 100

105 73.5 78.8 118.8#

106 81.3 73.7 113.7



#10

Phenol

Concen: 37.987 ng

RT: 7.23 min Scan# 670

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

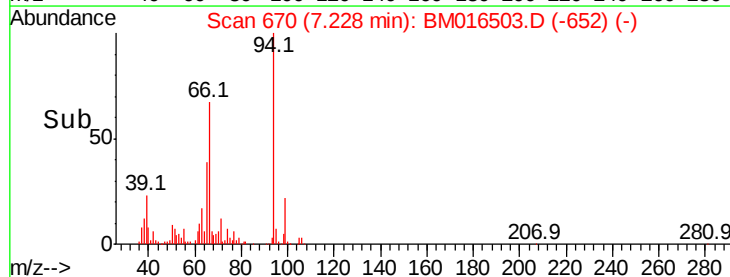
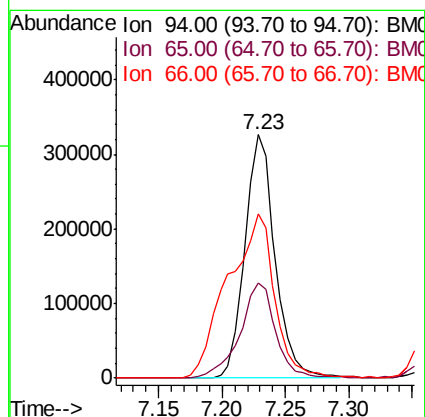
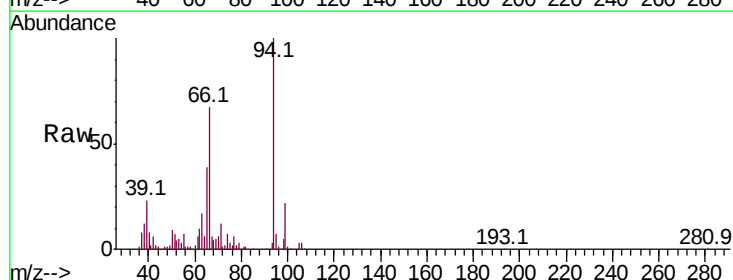
Tgt Ion: 94 Resp: 540509

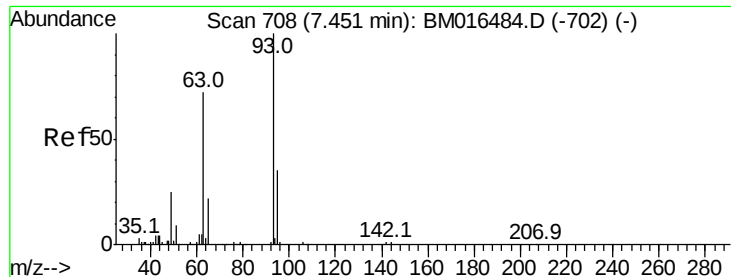
Ion Ratio Lower Upper

94 100

65 39.3 18.8 58.8

66 67.3 39.9 79.9

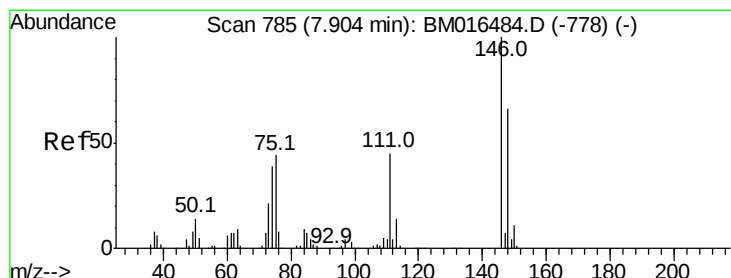
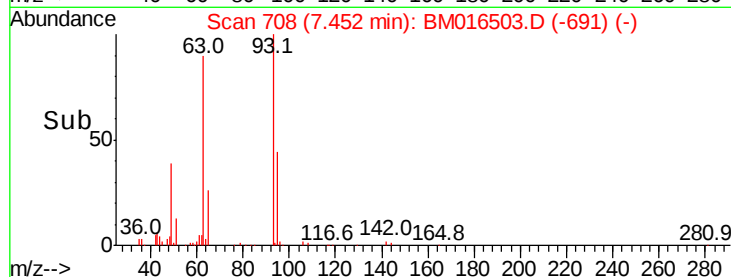
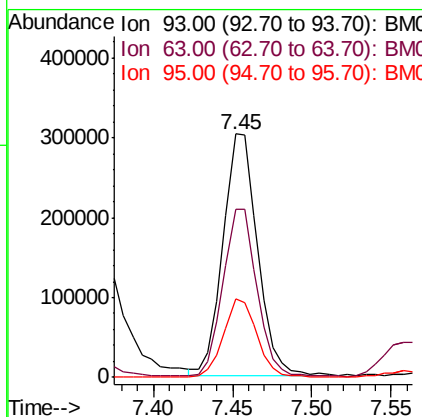
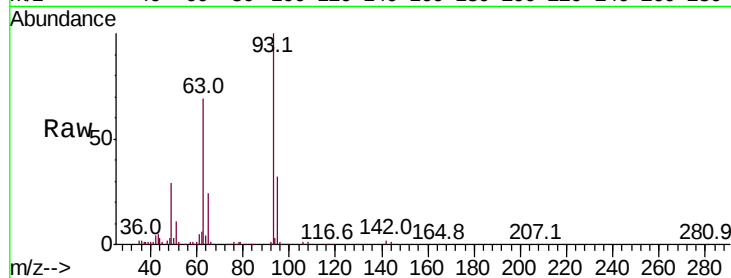




#11  
 bis(2-Chloroethyl)ether  
 Concen: 42.780 ng  
 RT: 7.45 min Scan# 708  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

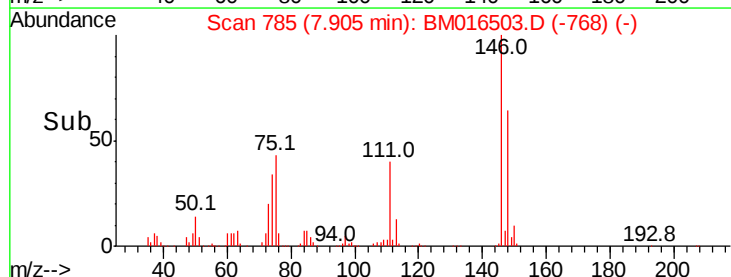
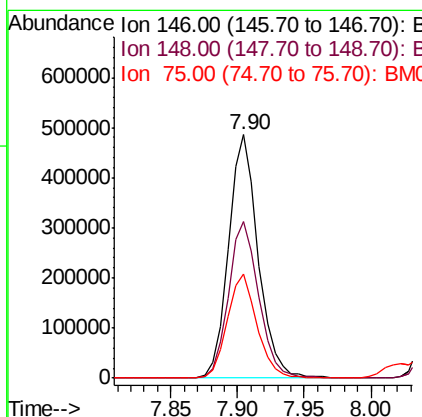
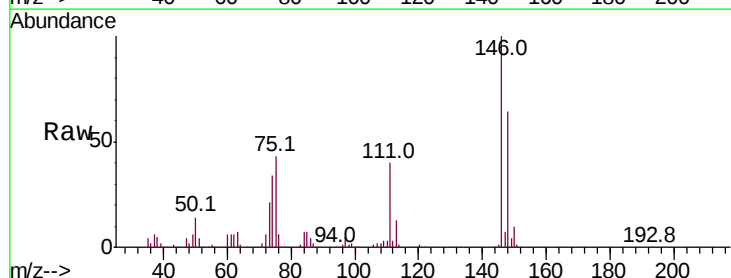
Instrument :  
 BNA\_M  
 ClientSampleId :

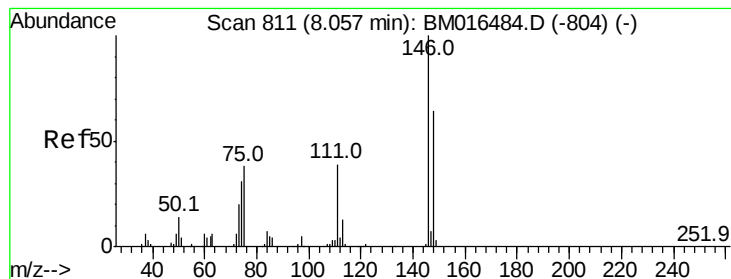
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 68.8  | 49.5  | 89.5  |
| 95      | 32.4  | 13.5  | 53.5  |



#12  
 1,3-Dichlorobenzene  
 Concen: 43.851 ng  
 RT: 7.90 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 50.9  | 76.3  |
| 75      | 42.6  | 21.4  | 32.2  |





#13

1,4-Dichlorobenzene

Concen: 43.829 ng

RT: 8.06 min Scan# 811

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

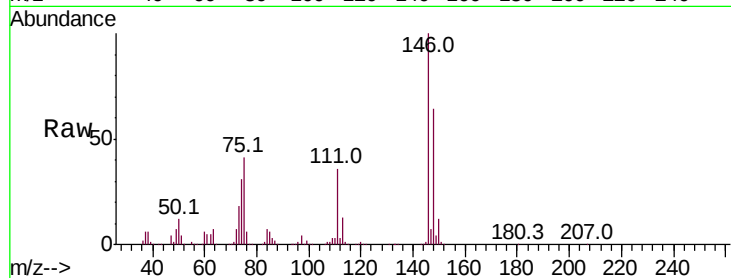
Tot Ion:146 Resp: 771542

Ion Ratio Lower Upper

146 100

148 64.2 51.9 77.9

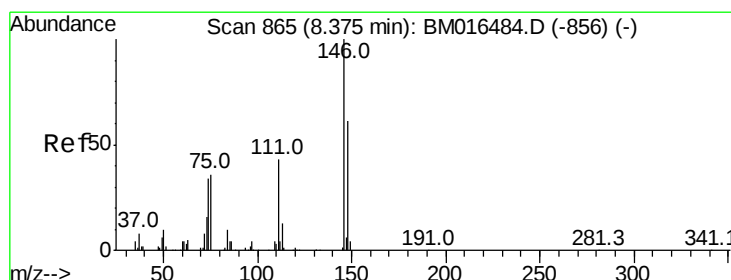
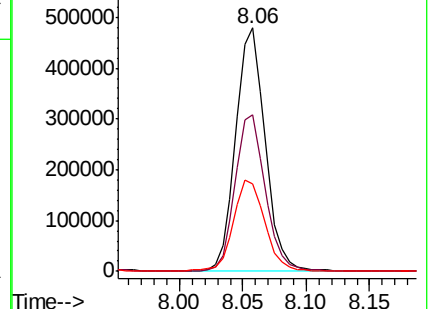
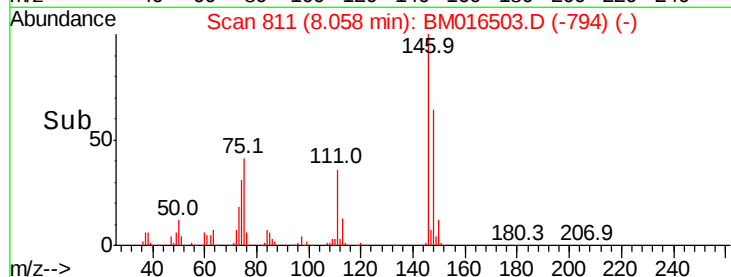
111 36.0 29.2 43.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.214 ng

RT: 8.37 min Scan# 864

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

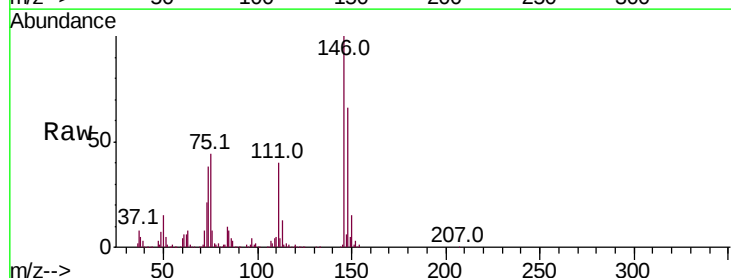
Tgt Ion:146 Resp: 764646

Ion Ratio Lower Upper

146 100

148 66.0 52.3 78.5

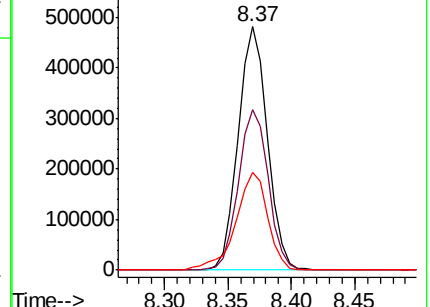
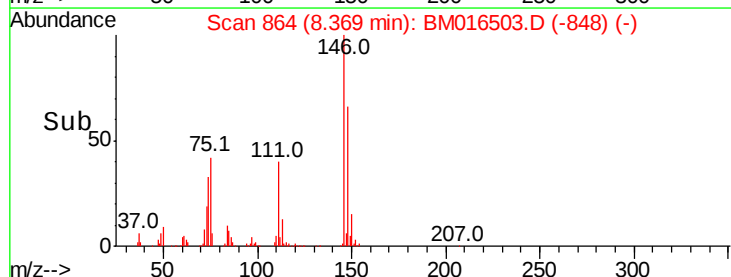
111 40.0 30.6 45.8

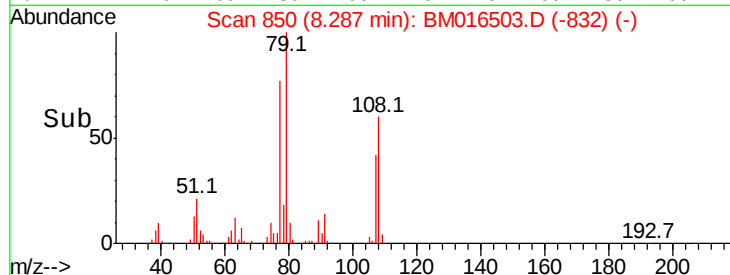
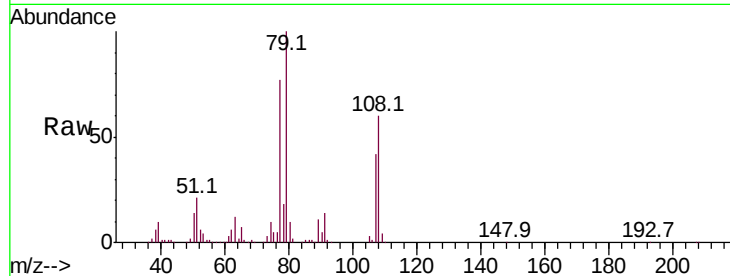
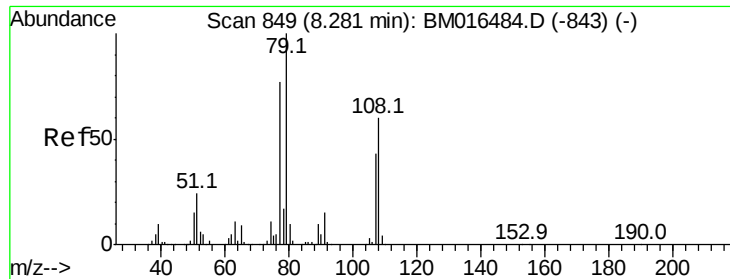


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

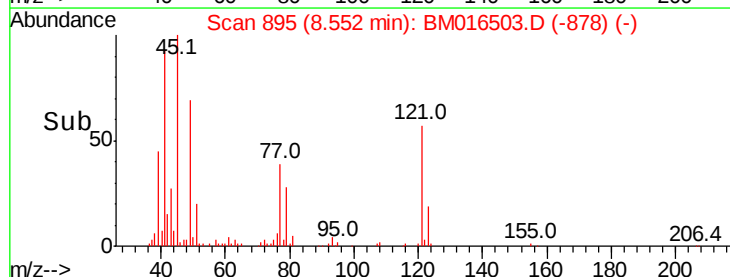
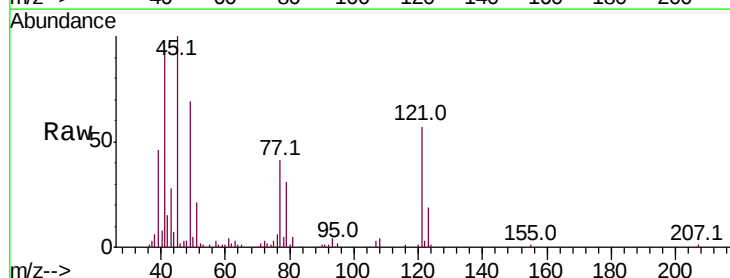
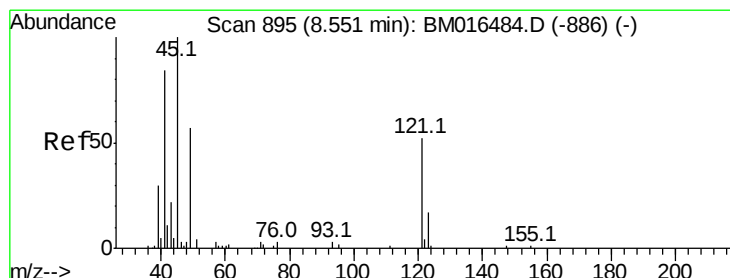
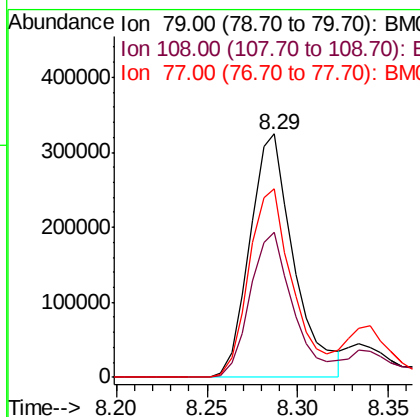




#15  
Benzyl Alcohol  
Concen: 41.035 ng  
RT: 8.29 min Scan# 850  
Delta R.T. 0.01 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

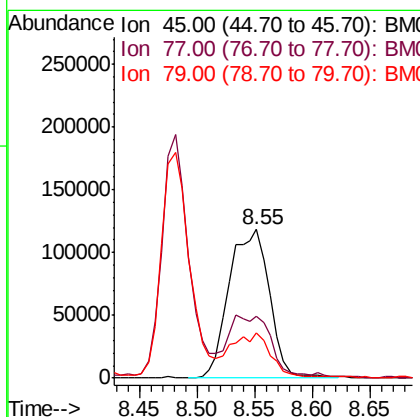
Instrument :  
BNA\_M  
ClientSampled :

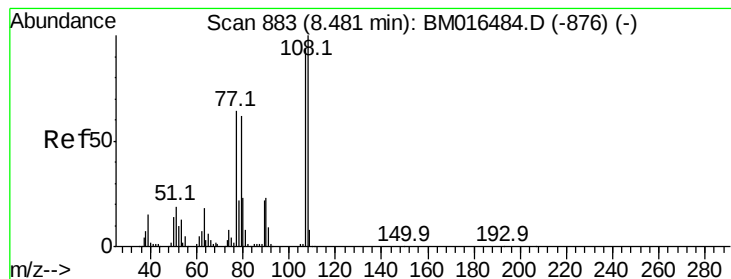
Tot Ion: 79 Resp: 548274  
Ion Ratio Lower Upper  
79 100  
108 59.7 65.0 97.4#  
77 77.2 53.0 79.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.077 ng  
RT: 8.55 min Scan# 895  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion: 45 Resp: 287092  
Ion Ratio Lower Upper  
45 100  
77 41.4 0.0 35.2#  
79 30.6 0.0 32.0

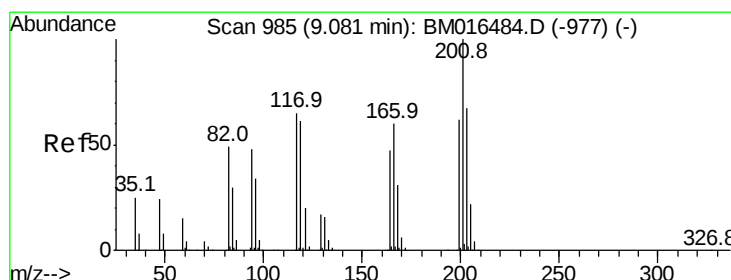
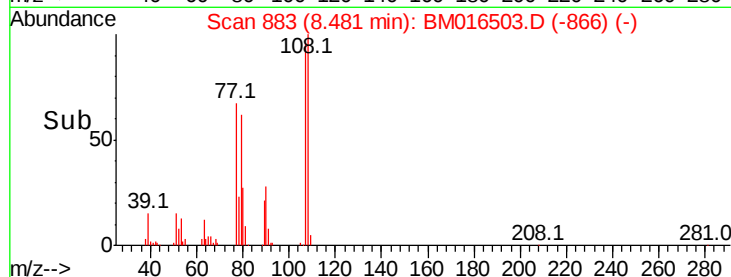
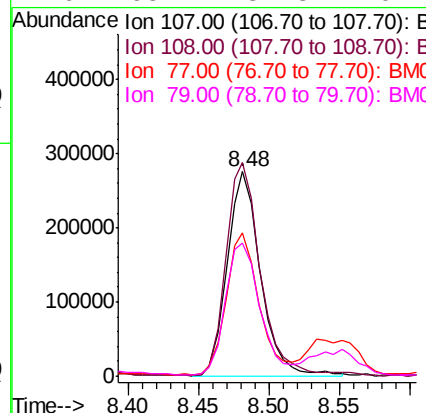
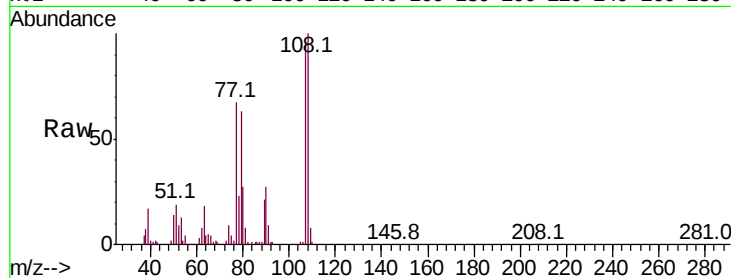




#17  
2-Methylphenol  
Concen: 43.737 ng  
RT: 8.48 min Scan# 883  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

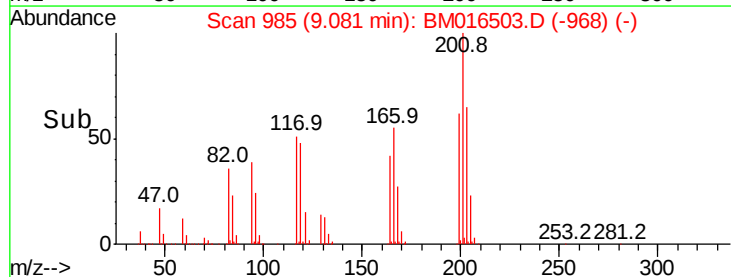
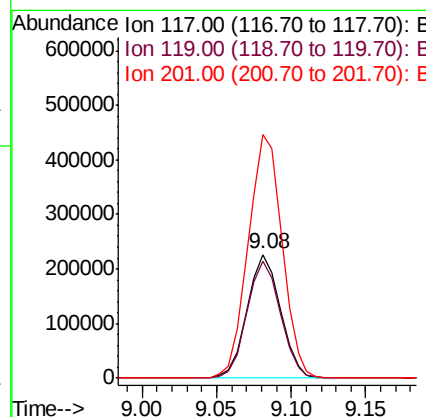
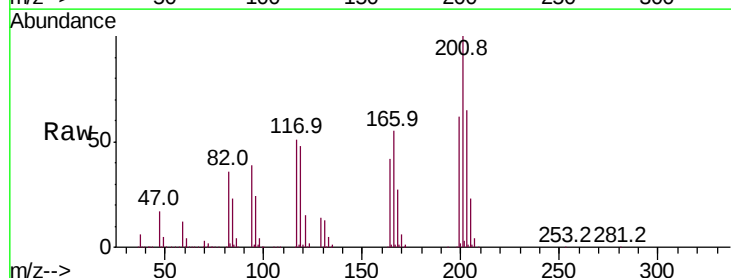
Instrument :  
BNA\_M  
ClientSampleId :

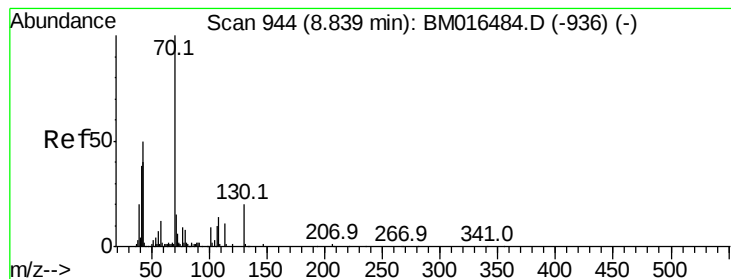
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 104.4 | 89.8  | 134.8 |
| 77      | 70.3  | 32.6  | 48.8# |
| 79      | 65.2  | 32.8  | 49.2# |



#18  
Hexachloroethane  
Concen: 43.016 ng  
RT: 9.08 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 94.2  | 79.2  | 118.8  |
| 201     | 196.8 | 69.8  | 104.6# |





#19

n-Nitroso-di-n-propylamine

Concen: 42.770 ng

RT: 8.85 min Scan# 945

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 70 Resp: 482456

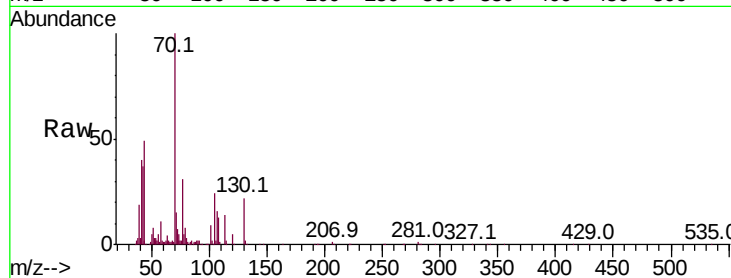
Ion Ratio Lower Upper

70 100

42 36.7 44.5 66.7#

101 9.3 7.4 11.2

130 22.4 15.3 22.9



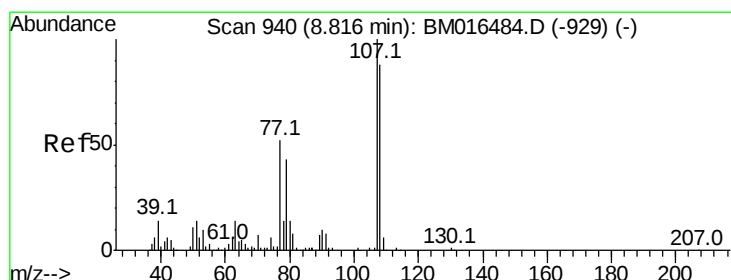
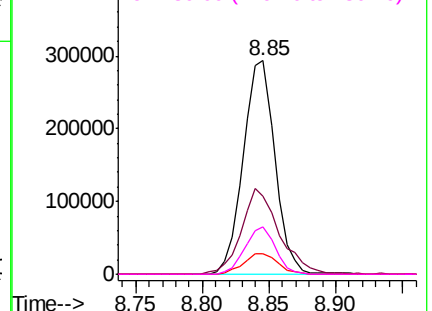
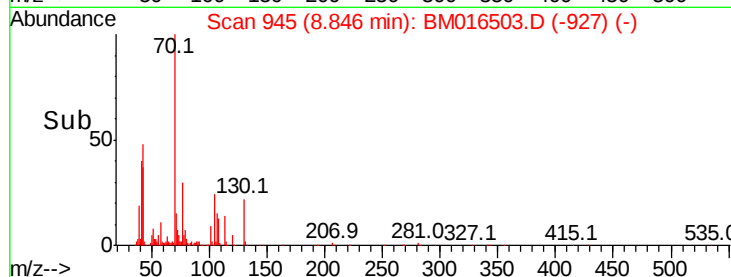
Abundance

Ion 70.00 (69.70 to 70.70): BM016484.D (-936) (-)

Ion 42.00 (41.70 to 42.70): BM016484.D (-936) (-)

Ion 101.00 (100.70 to 101.70): BM016484.D (-936) (-)

Ion 130.00 (129.70 to 130.70): BM016484.D (-936) (-)



#20

3+4-Methylphenols

Concen: 41.803 ng

RT: 8.82 min Scan# 940

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion: 107 Resp: 595534

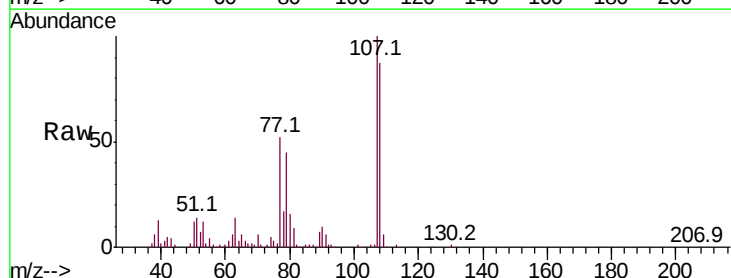
Ion Ratio Lower Upper

107 100

108 86.6 73.2 113.2

77 51.6 10.7 50.7#

79 45.3 9.6 49.6



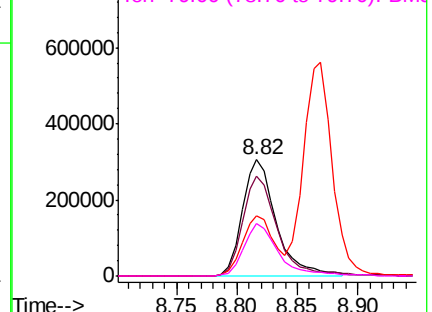
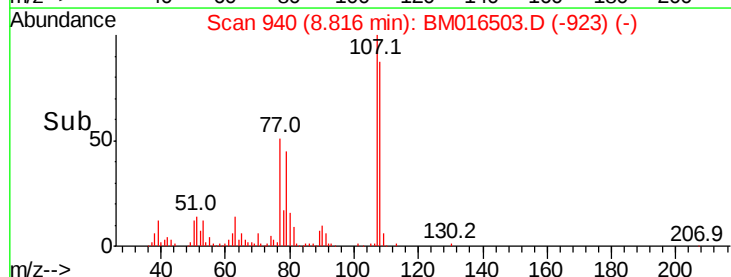
Abundance

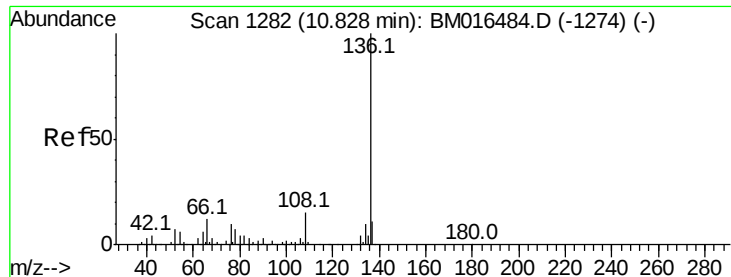
Ion 107.00 (106.70 to 107.70): BM016484.D (-929) (-)

Ion 108.00 (107.70 to 108.70): BM016484.D (-929) (-)

Ion 77.00 (76.70 to 77.70): BM016484.D (-929) (-)

Ion 79.00 (78.70 to 79.70): BM016484.D (-929) (-)

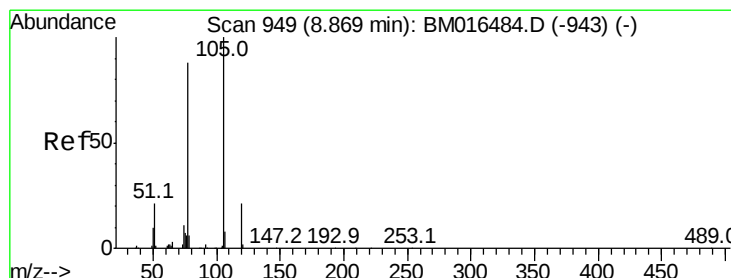
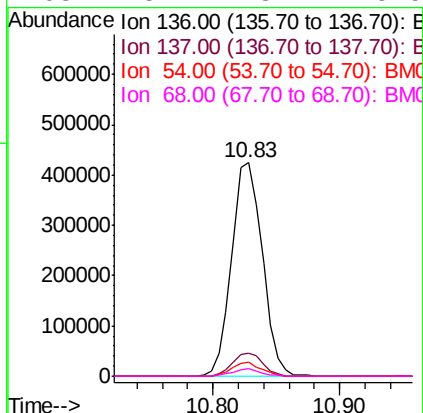
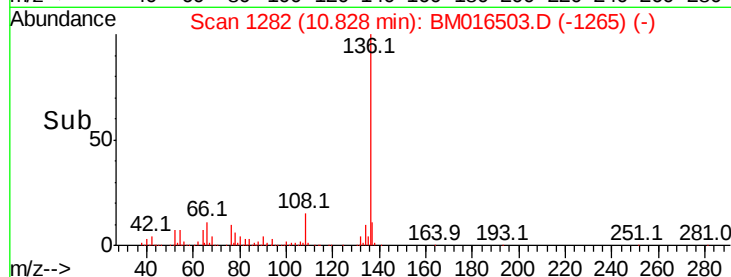
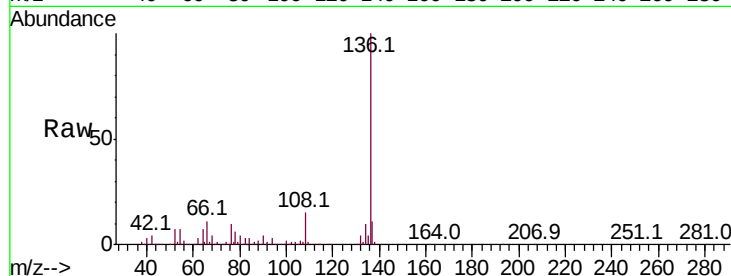




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.83 min Scan# 1282  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

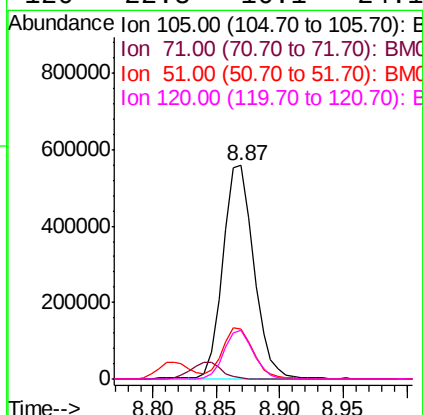
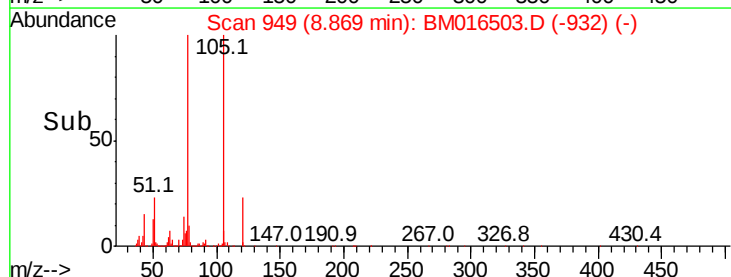
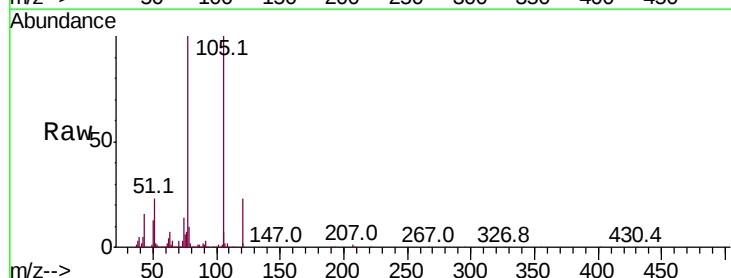
Instrument :  
BNA\_M  
ClientSampleId :

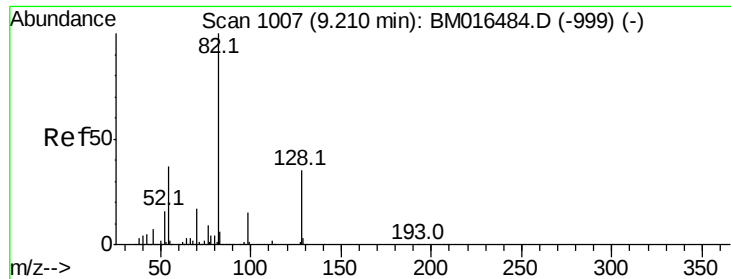
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 709945 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 8.7 13.1     |
| 54 6.5      | 4.6 6.8      |
| 68 3.7      | 3.7 5.5      |



#22  
Acetophenone  
Concen: 54.871 ng  
RT: 8.87 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 938049 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.4     | 0.6   | 1.0#   |
| 51  | 23.3    | 21.6  | 32.4   |
| 120 | 22.8    | 16.1  | 24.1   |

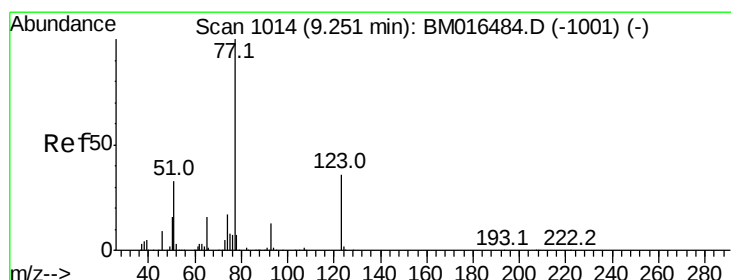
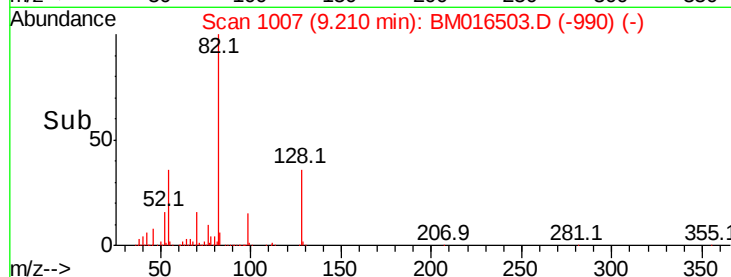
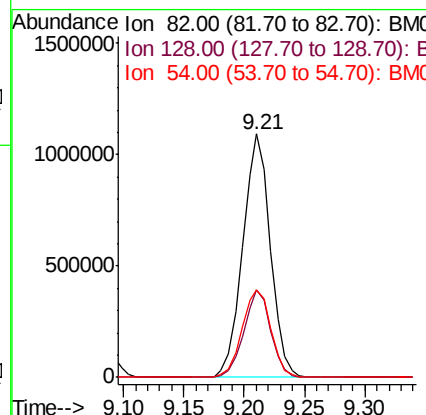
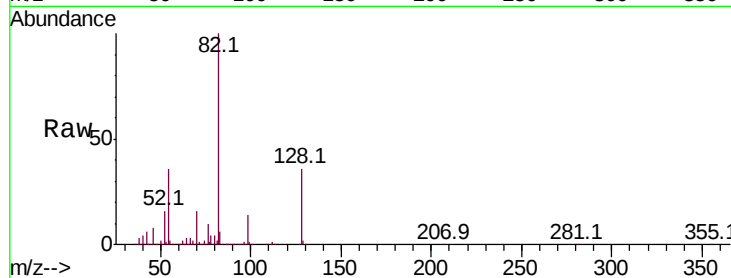




#23  
 Nitrobenzene-d5  
 Concen: 54.871 ng  
 RT: 9.21 min Scan# 1007  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

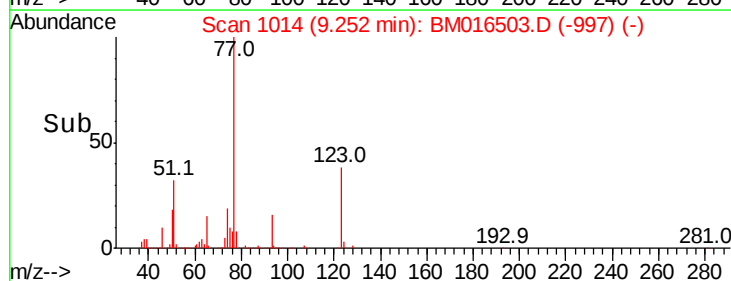
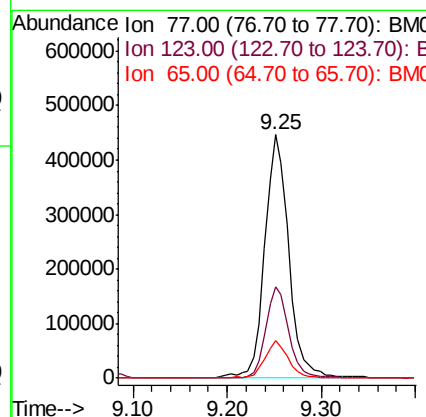
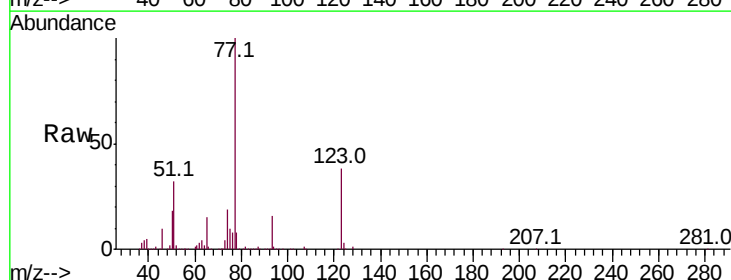
Instrument :  
 BNA\_M  
 ClientSampled :

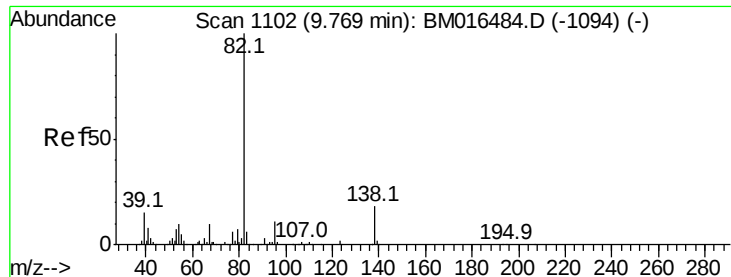
Tot Ion: 82 Resp: 1736693  
 Ion Ratio Lower Upper  
 82 100  
 128 35.9 32.8 49.2  
 54 35.9 40.6 60.8#



#24  
 Nitrobenzene  
 Concen: 50.488 ng  
 RT: 9.25 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion: 77 Resp: 784358  
 Ion Ratio Lower Upper  
 77 100  
 123 37.7 32.6 49.0  
 65 15.2 10.9 16.3





#25

Isophorone

Concen: 61.317 ng

RT: 9.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

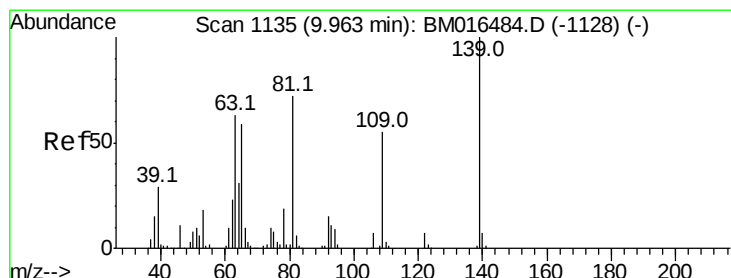
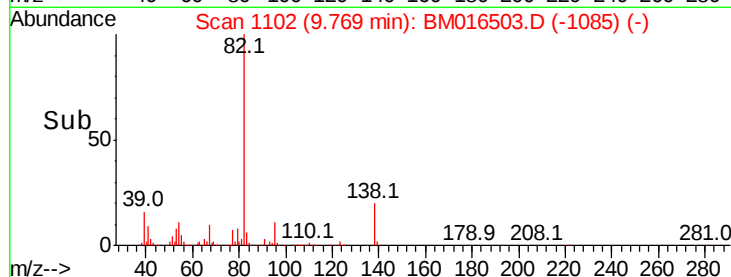
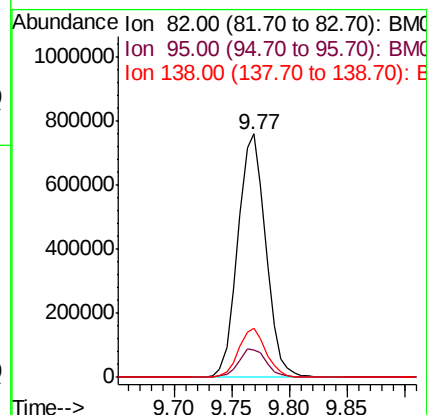
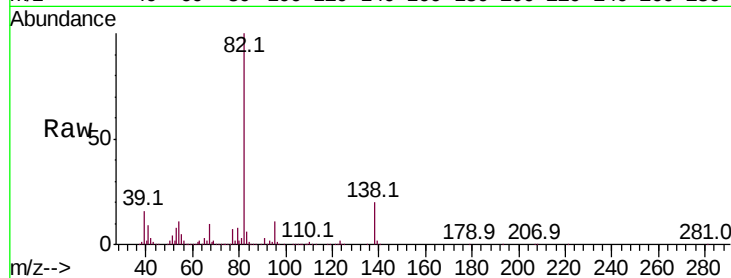
Tot Ion: 82 Resp: 1274234

Ion Ratio Lower Upper

82 100

95 11.2 5.8 8.6#

138 20.1 16.3 24.5



#26

2-Nitrophenol

Concen: 54.206 ng

RT: 9.96 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

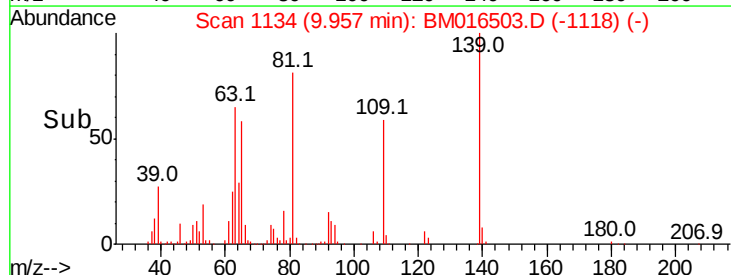
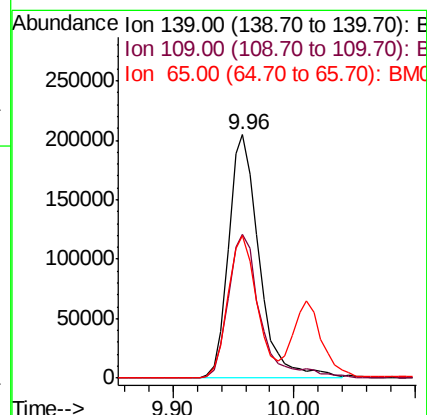
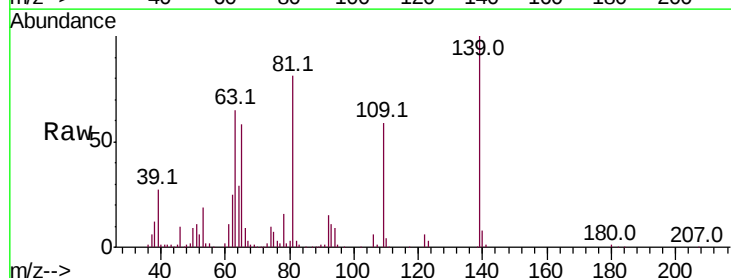
Tgt Ion: 139 Resp: 360016

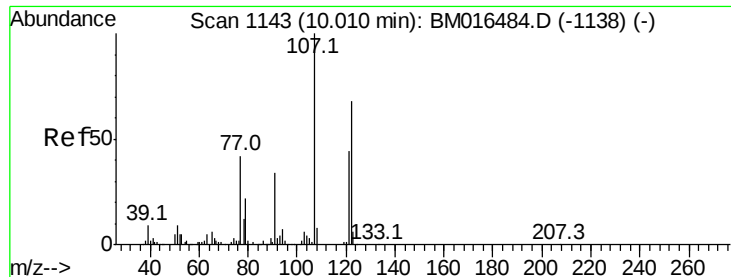
Ion Ratio Lower Upper

139 100

109 59.2 20.1 30.1#

65 58.3 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 62.159 ng

RT: 10.01 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

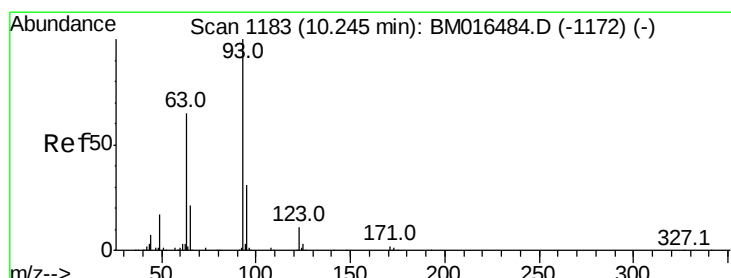
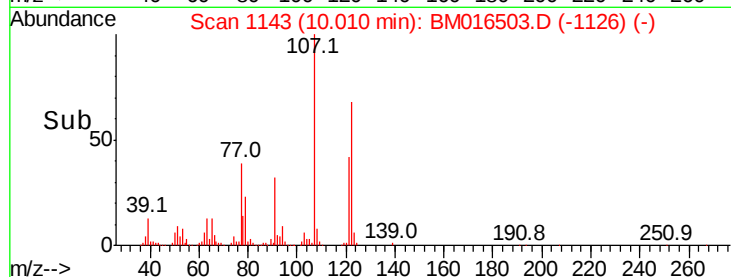
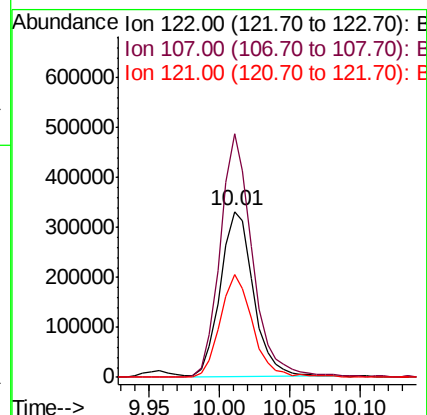
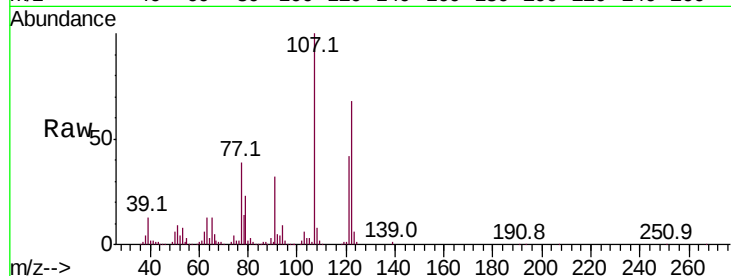
Tot Ion:122 Resp: 538008

Ion Ratio Lower Upper

122 100

107 146.8 84.7 127.1#

121 61.6 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 56.904 ng

RT: 10.25 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

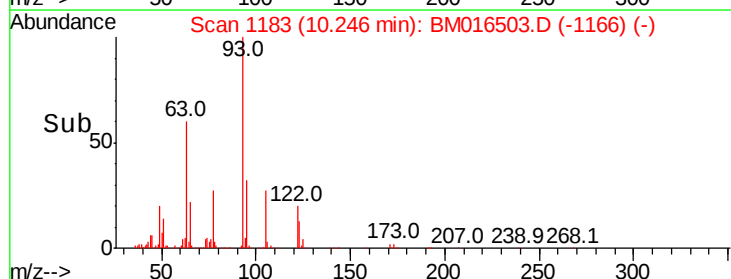
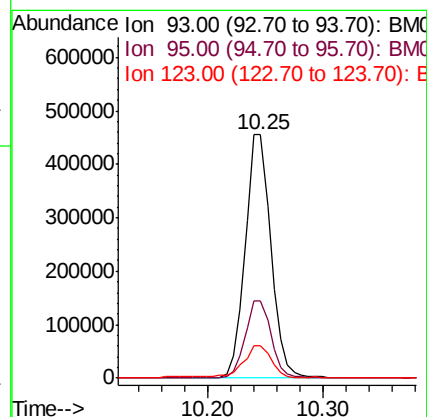
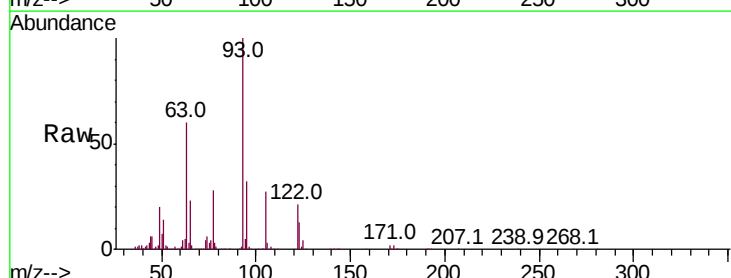
Tgt Ion: 93 Resp: 705904

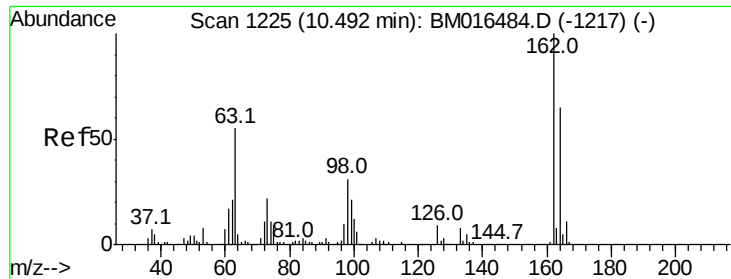
Ion Ratio Lower Upper

93 100

95 31.5 25.5 38.3

123 13.1 8.6 13.0#

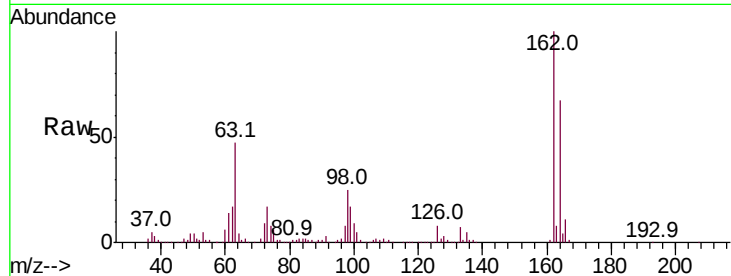




#29  
 2,4-Dichlorophenol  
 Concen: 65.847 ng  
 RT: 10.49 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.6  | 42.8  | 82.8  |
| 98      | 24.7  | 14.5  | 54.5  |

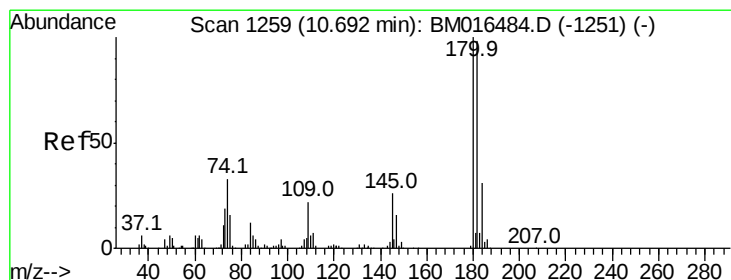
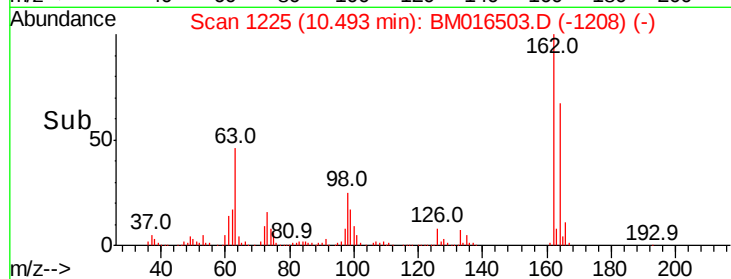
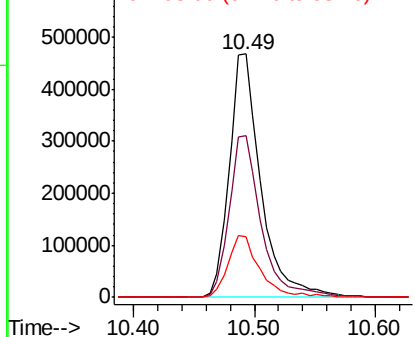


Abundance

Ion 162.00 (161.70 to 162.70): E

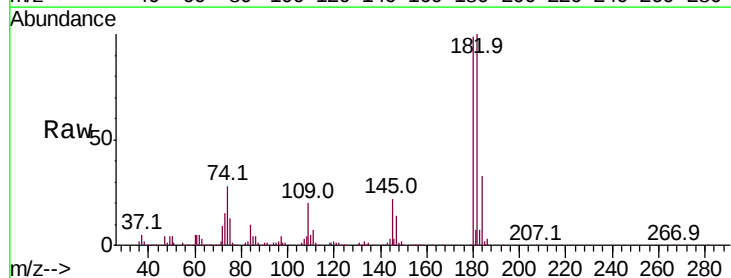
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 64.742 ng  
 RT: 10.69 min Scan# 1258  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 100.6 | 77.6  | 116.4 |
| 145     | 22.2  | 23.4  | 35.2# |

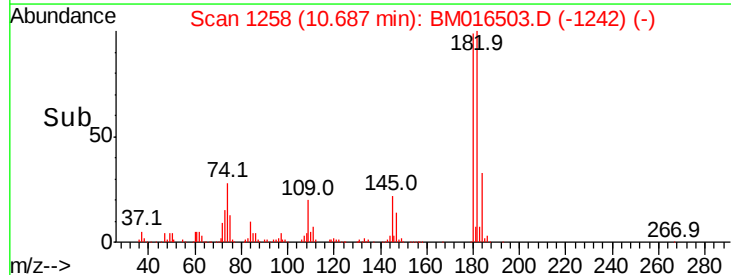
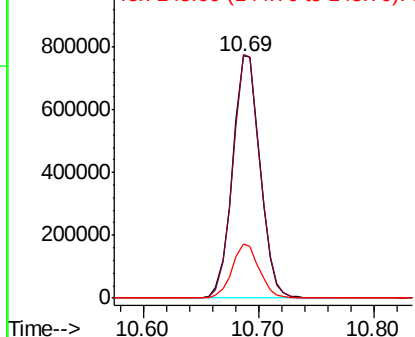


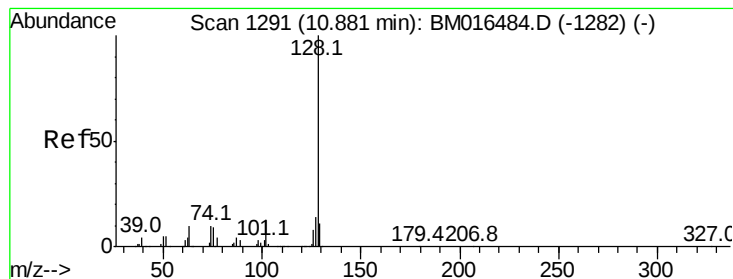
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 56.307 ng

RT: 10.88 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampled :

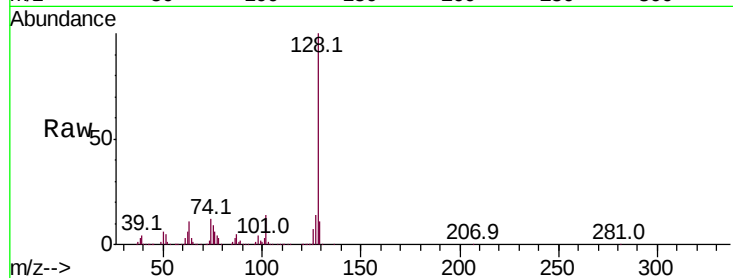
Tot Ion:128 Resp: 1904562

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

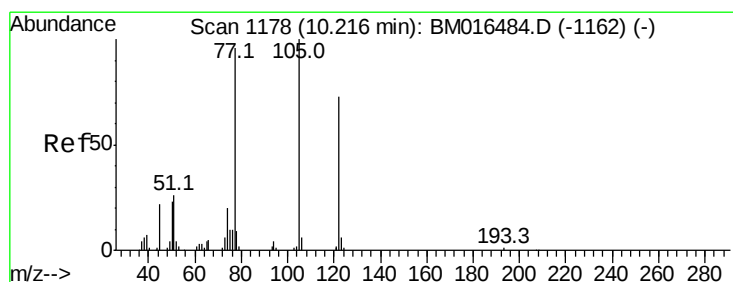
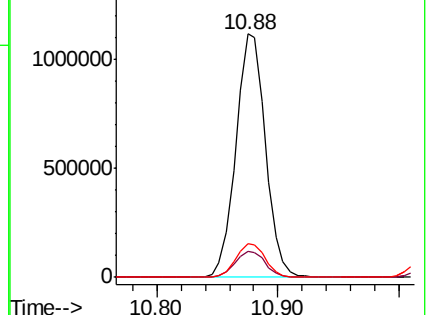
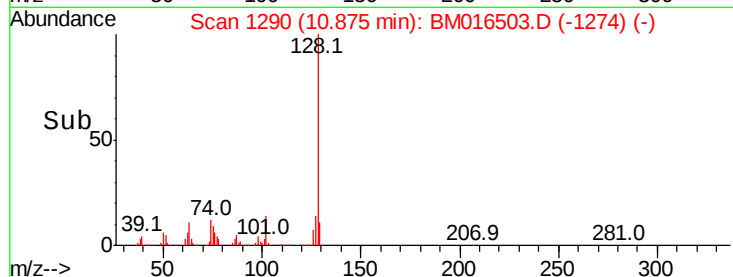
127 13.7 10.4 15.6



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: 46.093 ng

RT: 10.25 min Scan# 1183

Delta R.T. 0.03 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

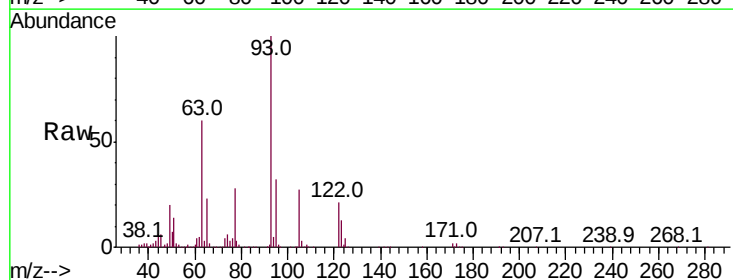
Tgt Ion:122 Resp: 333797

Ion Ratio Lower Upper

122 100

105 132.2 99.9 139.9

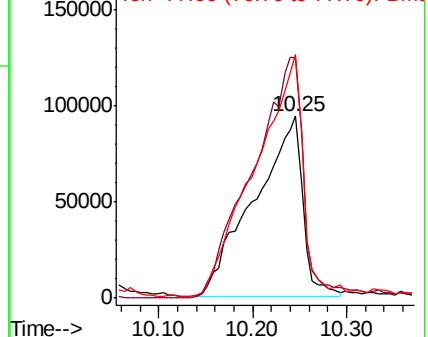
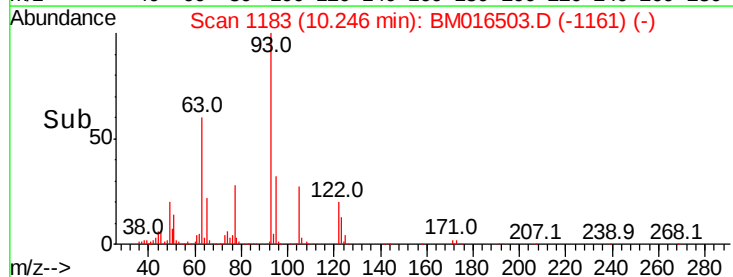
77 134.1 73.7 113.7#

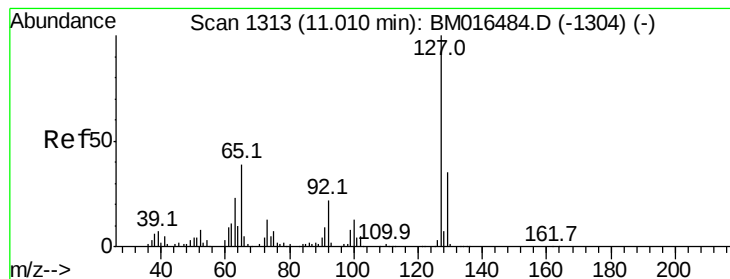


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM





#33

4-Chloroaniline

Concen: 12.792 ng

RT: 11.02 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:127 Resp: 182091

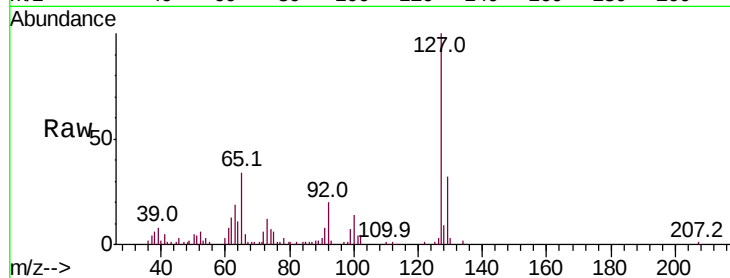
Ion Ratio Lower Upper

127 100

129 31.5 25.3 37.9

65 34.3 17.6 26.4#

92 20.1 13.1 19.7#

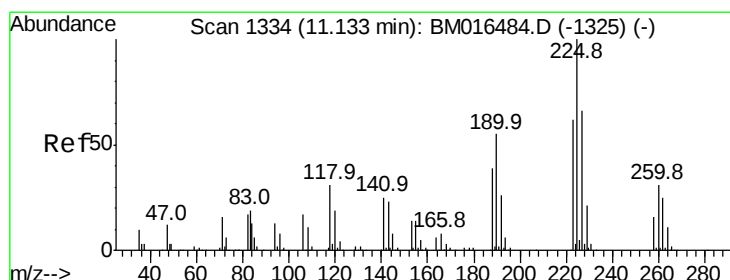
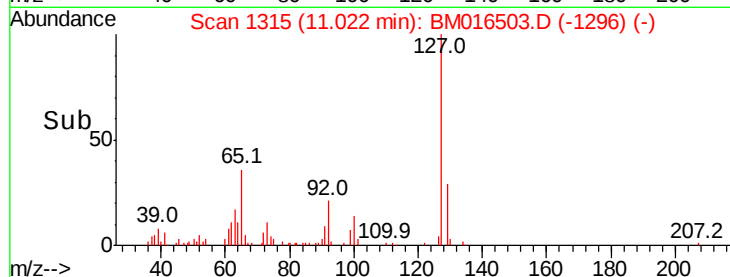
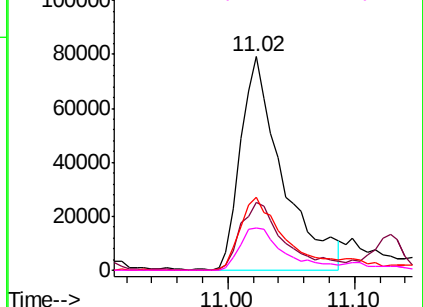


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34

Hexachlorobutadiene

Concen: 61.333 ng

RT: 11.13 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

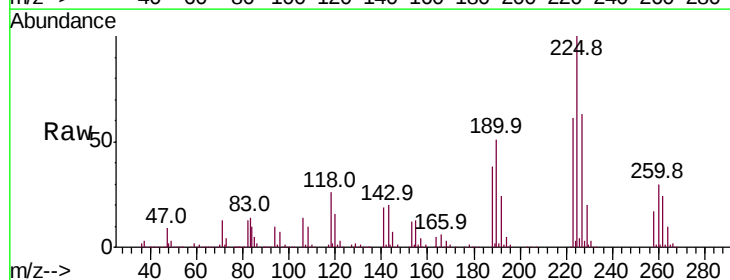
Tgt Ion:225 Resp: 1150653

Ion Ratio Lower Upper

225 100

223 61.1 47.9 71.9

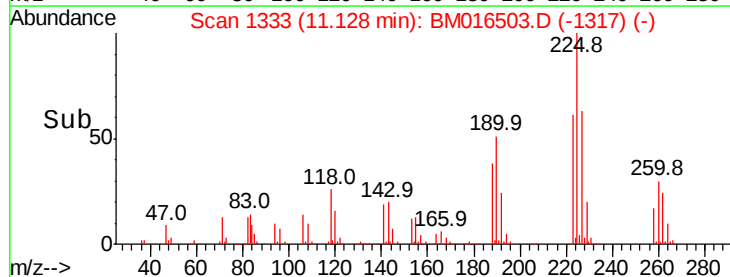
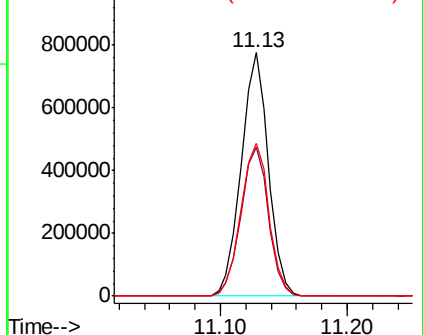
227 62.6 50.1 75.1

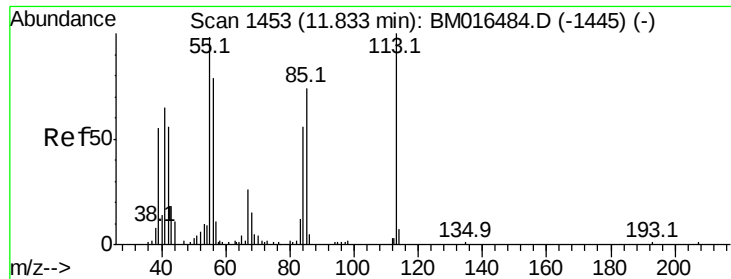


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 31.461 ng

RT: 11.84 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

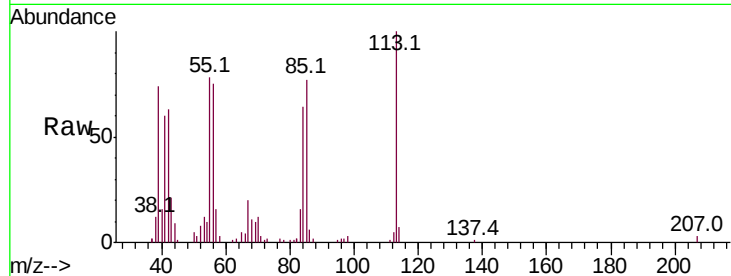
Tot Ion:113 Resp: 97792

Ion Ratio Lower Upper

113 100

55 78.0 145.9 185.9#

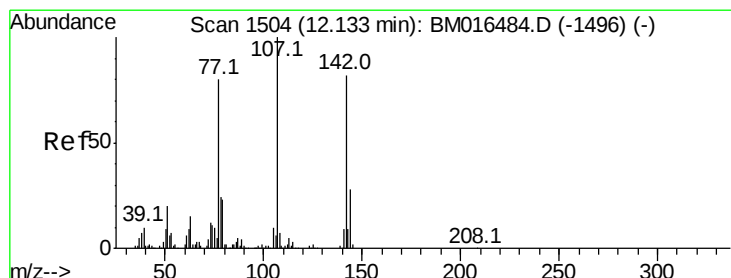
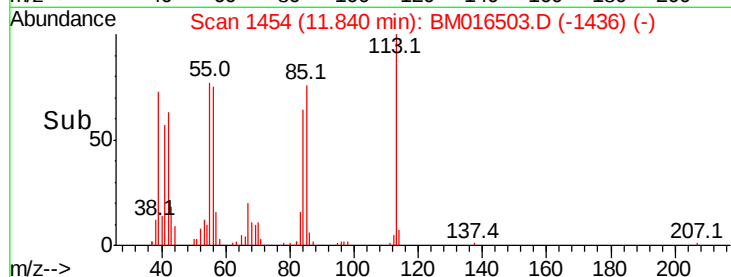
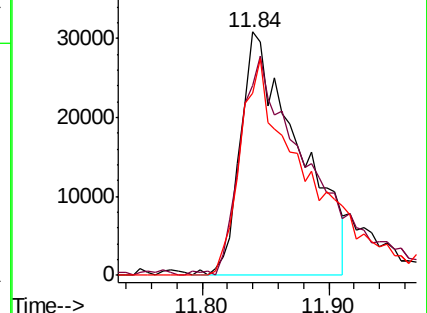
56 75.0 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 52.413 ng

RT: 12.14 min Scan# 1505

Delta R.T. 0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

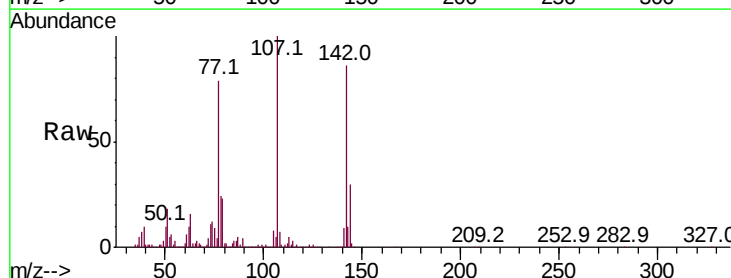
Tgt Ion:107 Resp: 652723

Ion Ratio Lower Upper

107 100

144 29.8 23.3 34.9

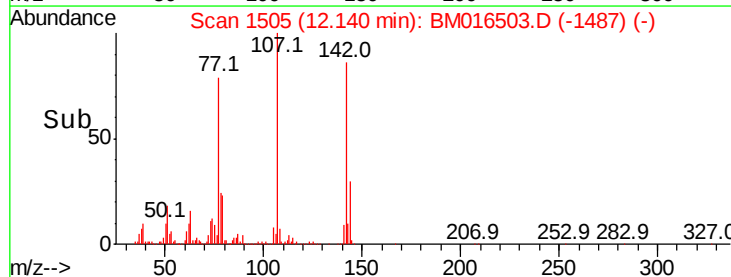
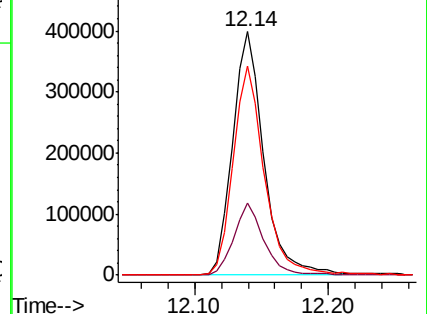
142 86.0 72.6 109.0

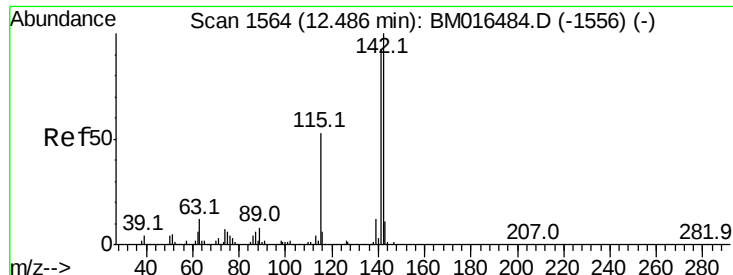


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



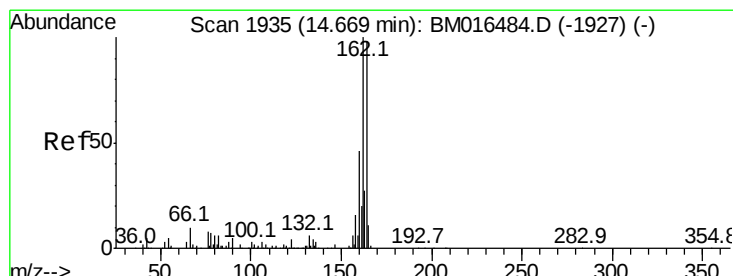
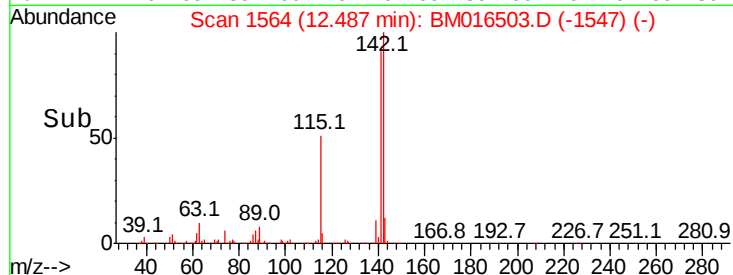
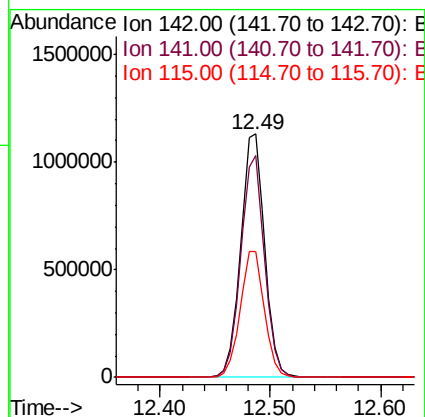
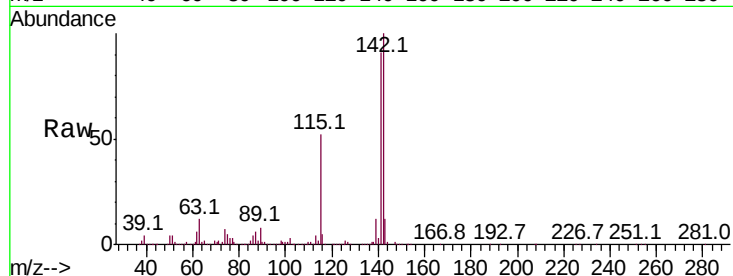


#37  
 2-Methylnaphthalene  
 Concen: 65.059 ng  
 RT: 12.49 min Scan# 1564  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:142 Resp: 1722738  

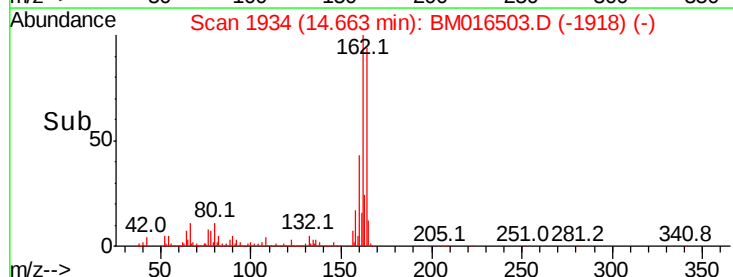
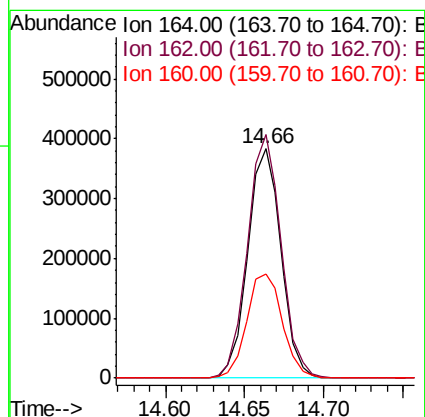
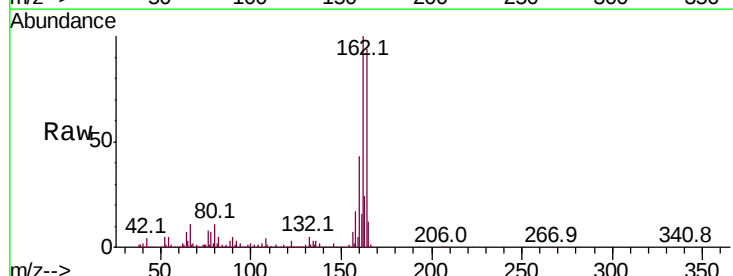
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 90.9  | 71.9  | 107.9 |
| 115 | 51.5  | 25.4  | 38.0  |

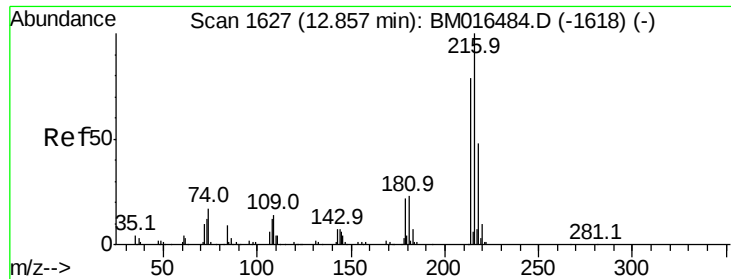


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1934  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:164 Resp: 558478  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 106.2 | 82.4  | 123.6 |
| 160 | 45.7  | 35.8  | 53.6  |

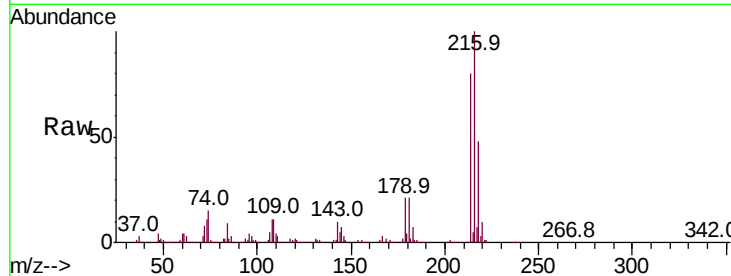




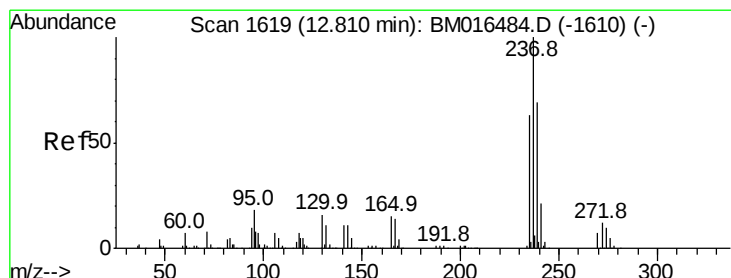
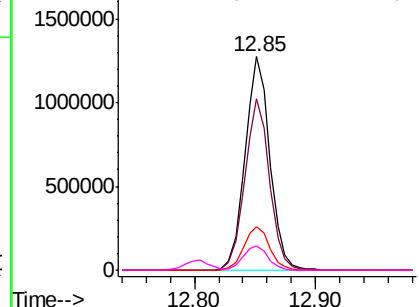
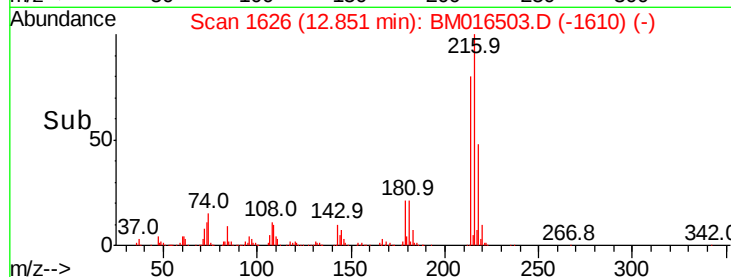
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 57.952 ng  
 RT: 12.85 min Scan# 1626  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:216 Resp: 1827876  
 Ion Ratio Lower Upper  
 216 100  
 214 79.8 0.0 0.0#  
 179 21.2 0.0 0.0#  
 108 11.6 0.0 0.0#

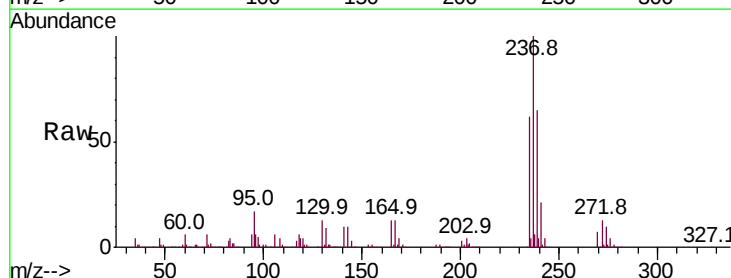


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

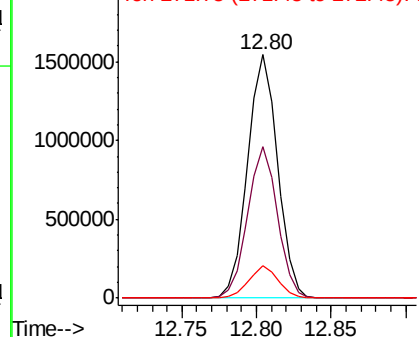
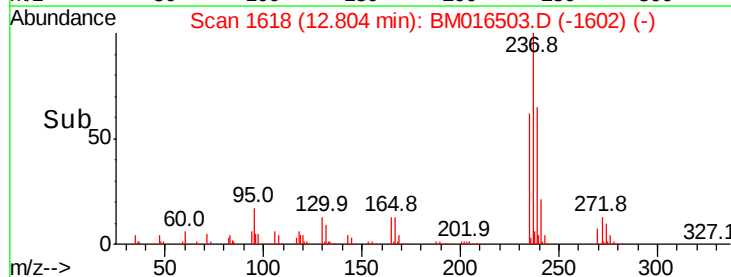


#40  
 Hexachlorocyclopentadiene  
 Concen: 123.837 ng  
 RT: 12.80 min Scan# 1618  
 Delta R.T. -0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:237 Resp: 2148079  
 Ion Ratio Lower Upper  
 237 100  
 235 62.4 42.0 82.0  
 272 13.2 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

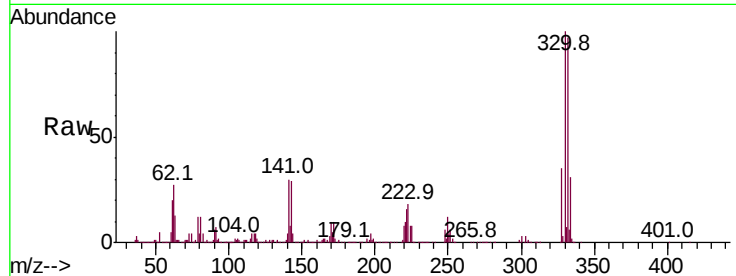




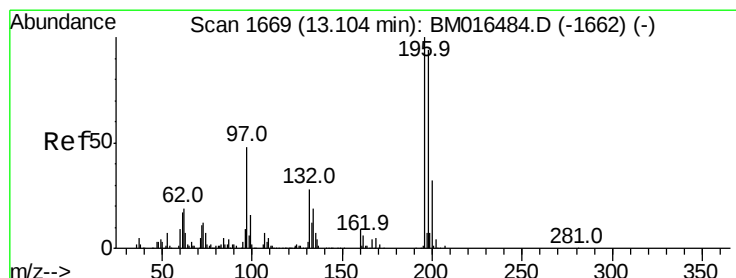
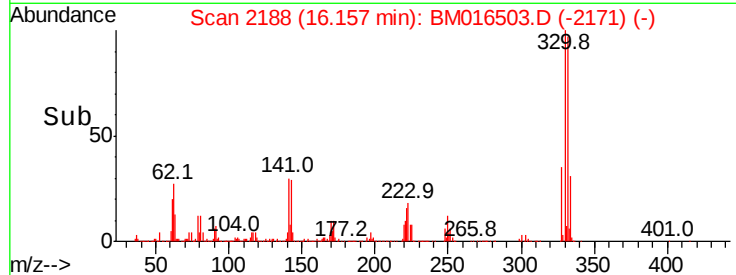
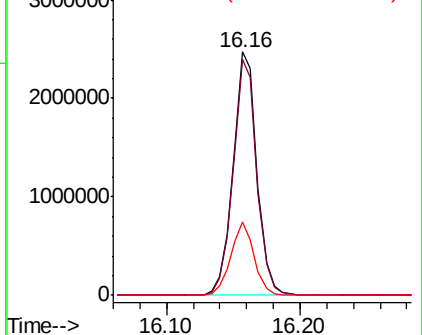
#41  
 2,4,6-Tribromophenol  
 Concen: 123.837 ng  
 RT: 16.16 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:330 Resp: 3076992  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 0.0 0.0#  
 141 30.1 0.0 0.0#

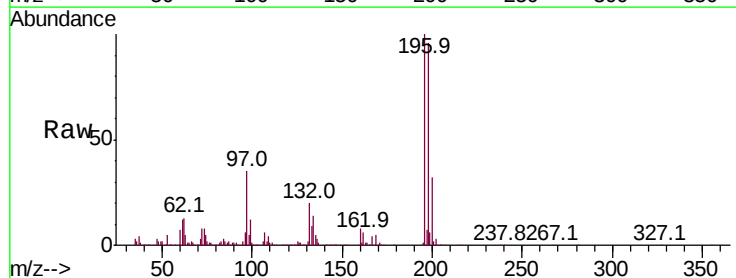


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

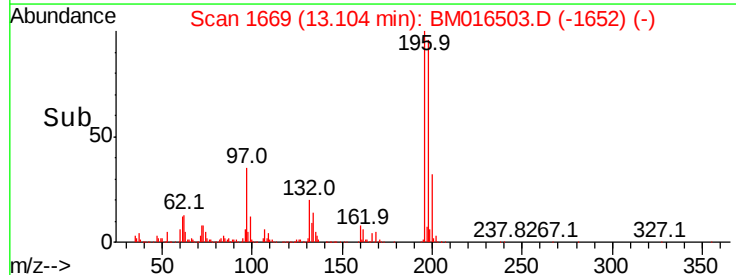
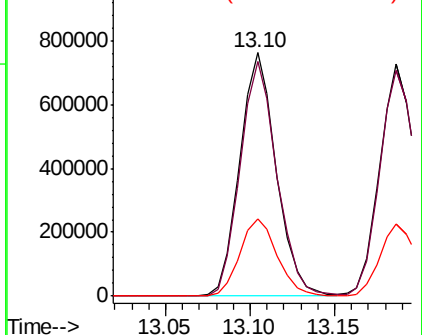


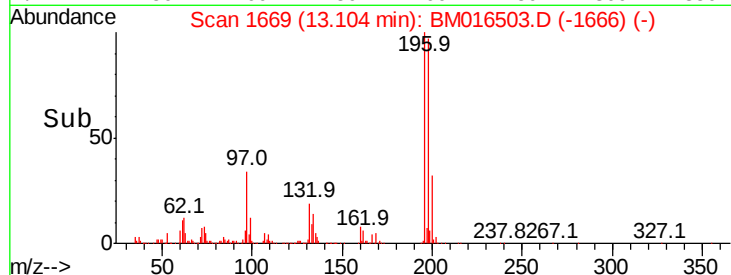
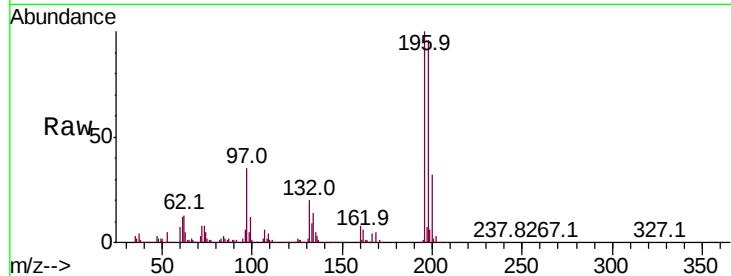
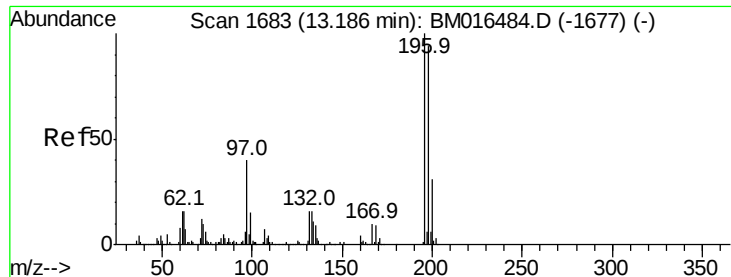
#42  
 2,4,6-Trichlorophenol  
 Concen: 60.818 ng  
 RT: 13.10 min Scan# 1669  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:196 Resp: 1147121  
 Ion Ratio Lower Upper  
 196 100  
 198 96.3 76.3 114.5  
 200 31.6 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

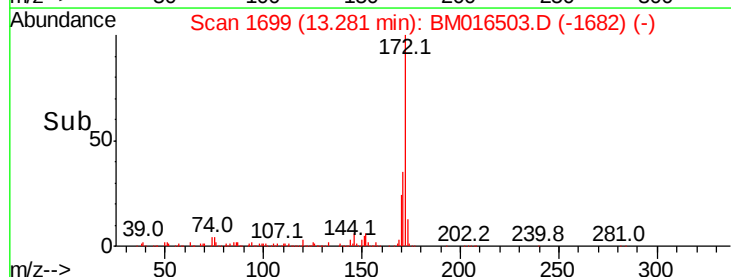
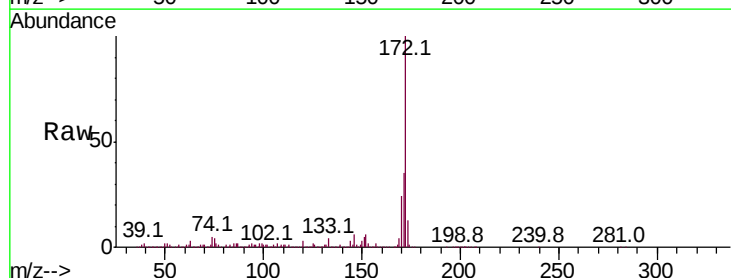
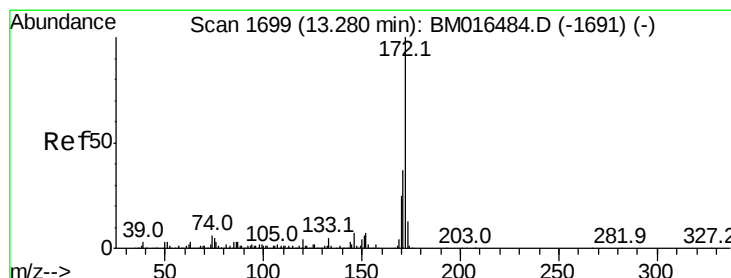
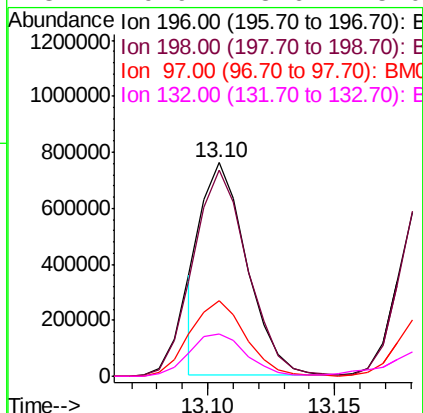




#43  
2,4,5-Trichlorophenol  
Concen: 50.972 ng  
RT: 13.10 min Scan# 1669  
Delta R.T. -0.08 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

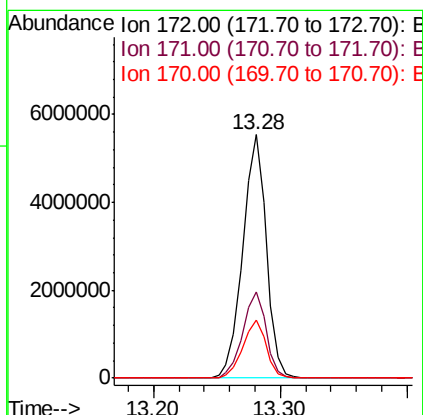
Instrument :  
BNA\_M  
ClientSampled :

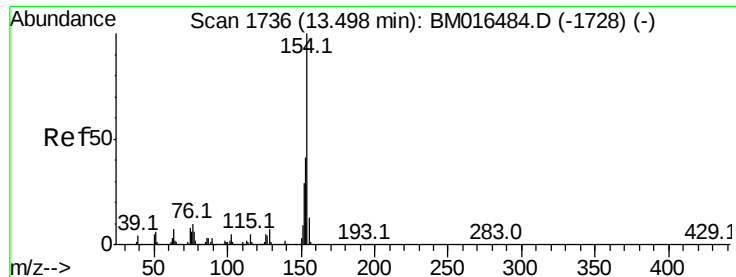
Tot Ion:196 Resp: 939109  
Ion Ratio Lower Upper  
196 100  
198 96.3 79.4 119.0  
97 35.4 26.8 40.2  
132 19.9 18.6 28.0



#44  
2-Fluorobiphenyl  
Concen: 50.972 ng  
RT: 13.28 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:172 Resp: 7123245  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 23.7 18.8 28.2





#45

1,1'-Biphenyl

Concen: 52.100 ng

RT: 13.49 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampled :

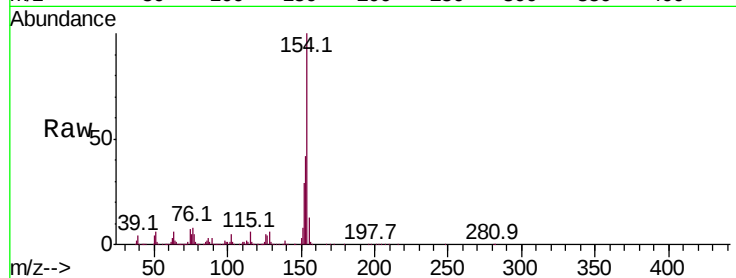
Tot Ion:154 Resp: 2551336

Ion Ratio Lower Upper

154 100

153 41.8 20.7 60.7

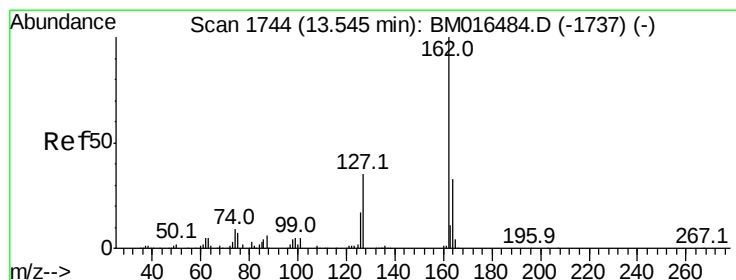
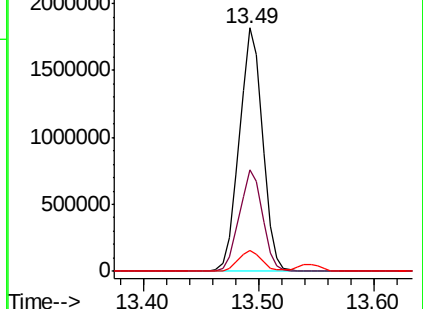
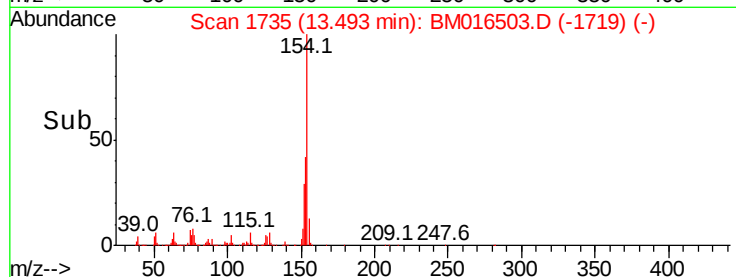
76 8.4 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

2500000 Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#46

2-Chloronaphthalene

Concen: 53.192 ng

RT: 13.55 min Scan# 1744

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

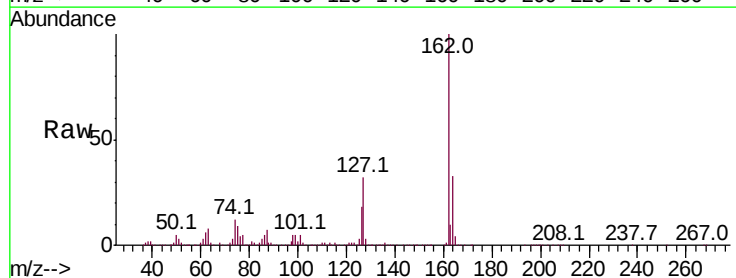
Tgt Ion:162 Resp: 2116219

Ion Ratio Lower Upper

162 100

127 32.5 26.9 40.3

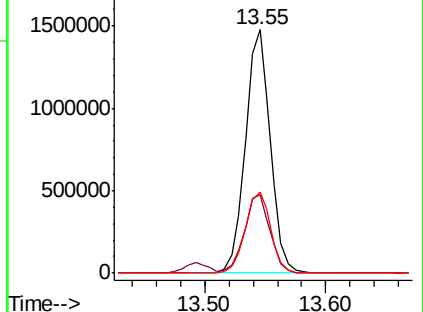
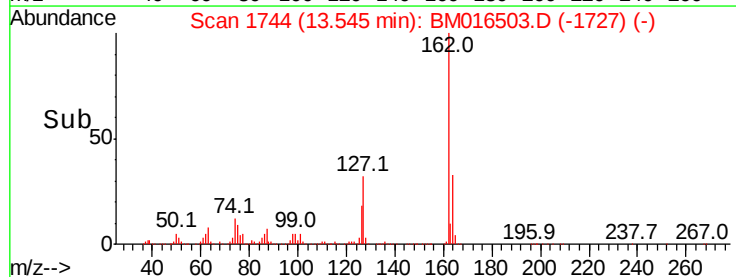
164 33.4 26.8 40.2

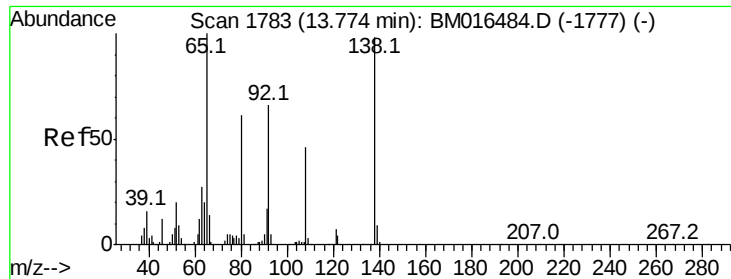


Abundance Ion 162.00 (161.70 to 162.70): E

2000000 Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 43.237 ng

RT: 13.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

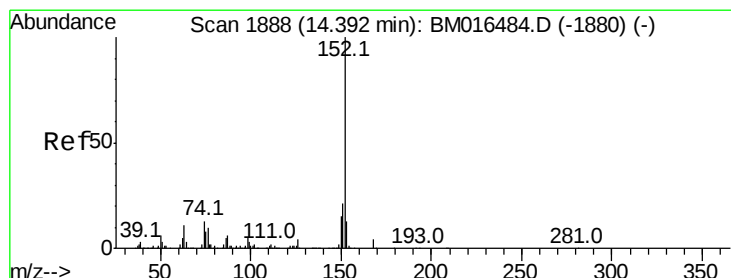
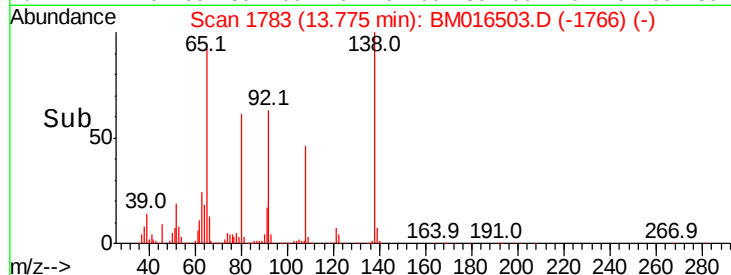
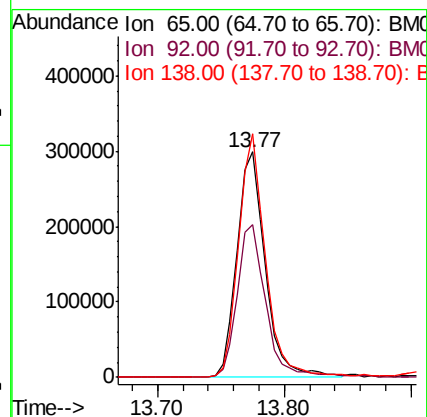
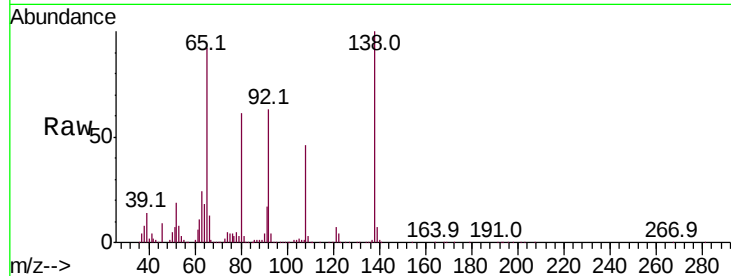
Tot Ion: 65 Resp: 458176

Ion Ratio Lower Upper

65 100

92 67.7 59.1 88.7

138 108.2 93.9 140.9



#48

Acenaphthylene

Concen: 56.522 ng

RT: 14.39 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

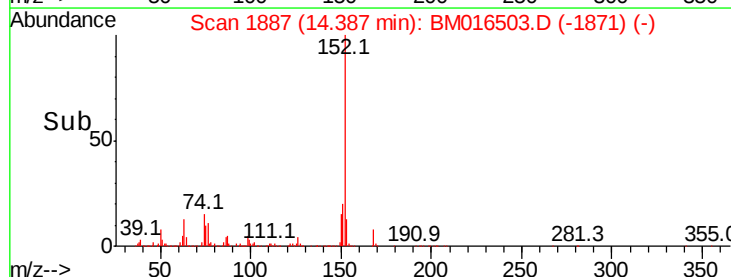
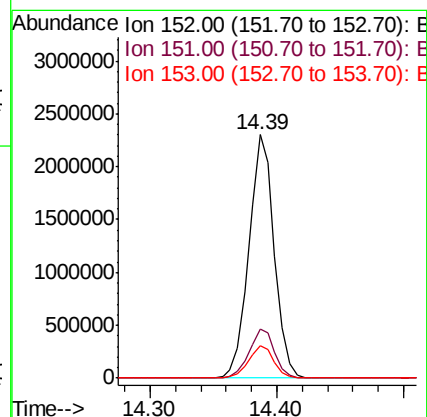
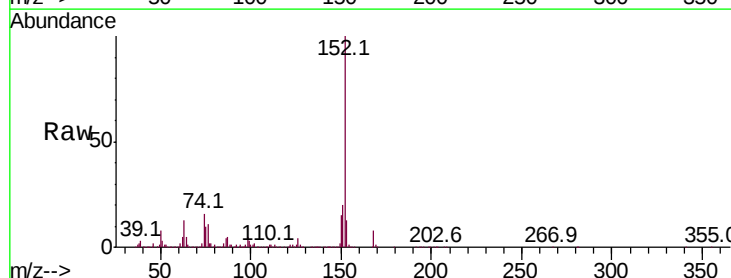
Tgt Ion: 152 Resp: 3174208

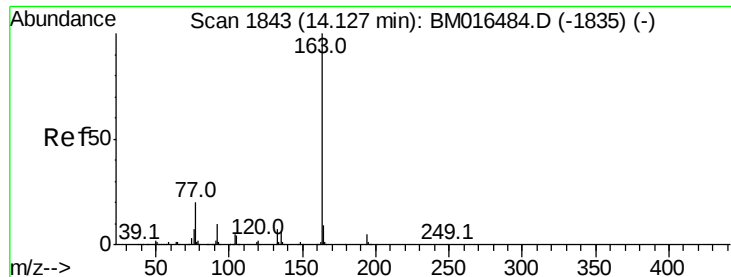
Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 13.3 10.6 16.0

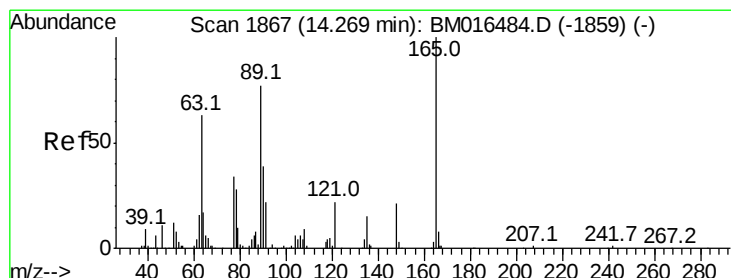
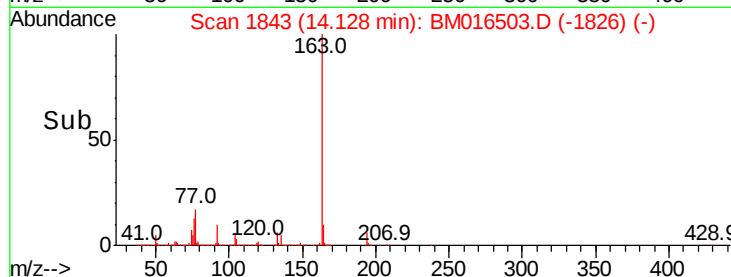
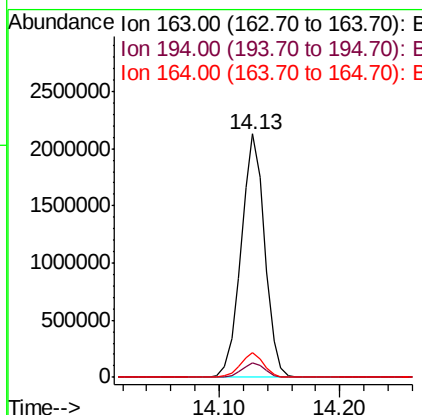
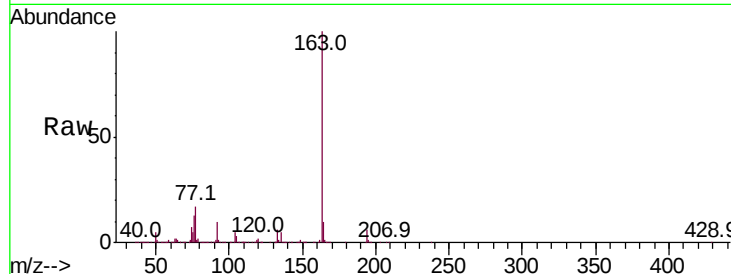




#49  
Dimethylphthalate  
Concen: 54.005 ng  
RT: 14.13 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

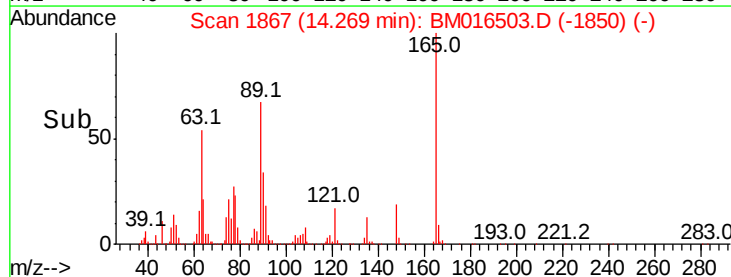
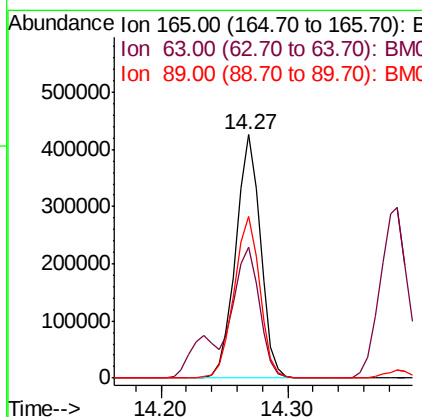
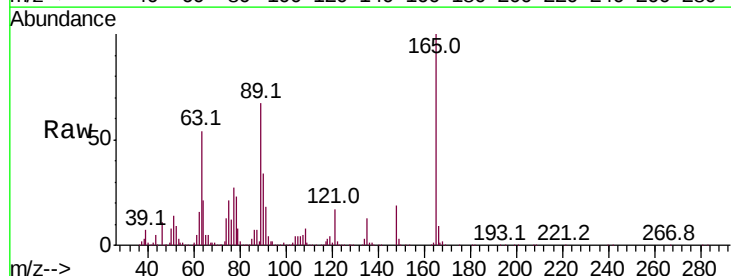
Instrument :  
BNA\_M  
ClientSampleId :

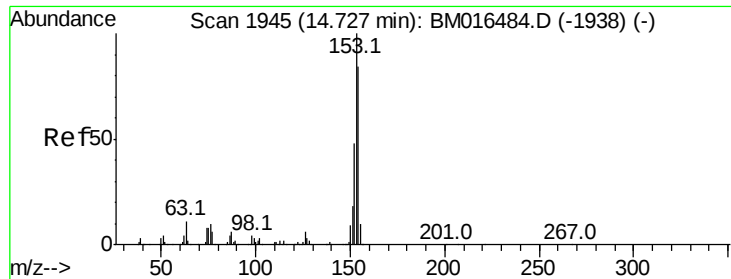
Tot Ion:163 Resp: 2897630  
Ion Ratio Lower Upper  
163 100  
194 5.8 2.7 4.1#  
164 10.3 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 55.006 ng  
RT: 14.27 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:165 Resp: 575652  
Ion Ratio Lower Upper  
165 100  
63 53.9 44.1 66.1  
89 66.6 44.3 66.5#

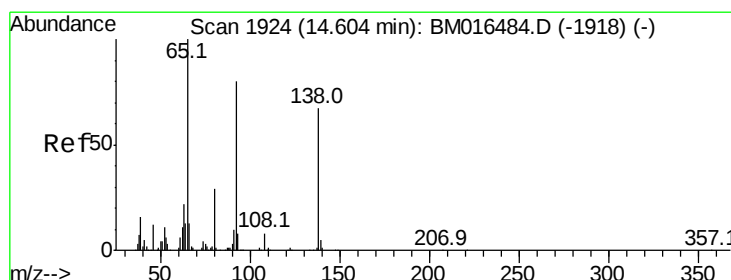
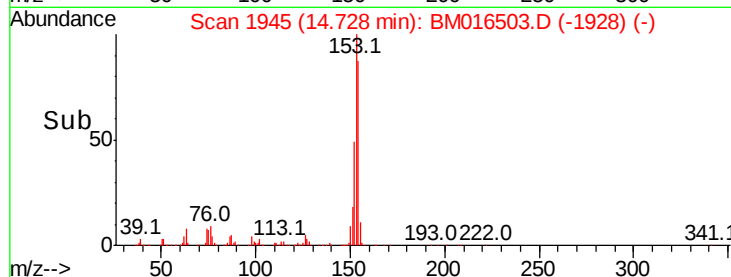
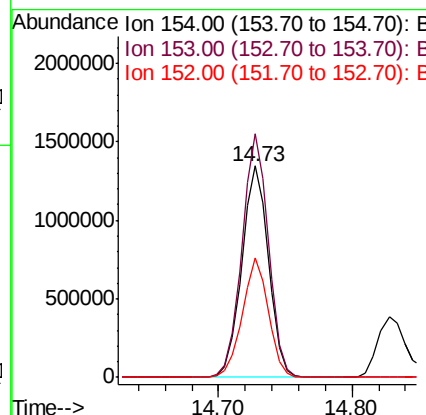
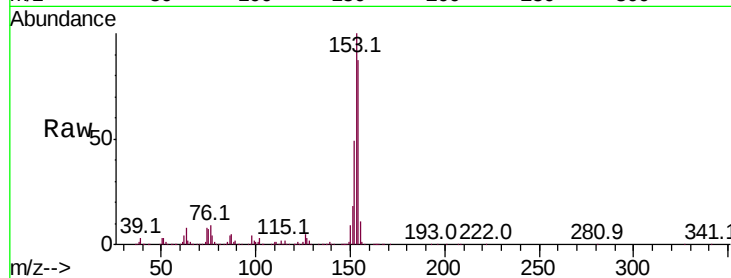




#51  
Acenaphthene  
Concen: 53.778 ng  
RT: 14.73 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

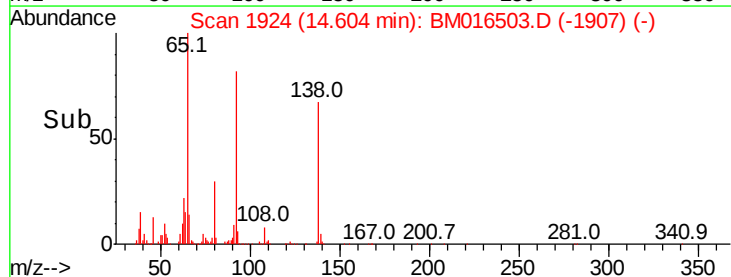
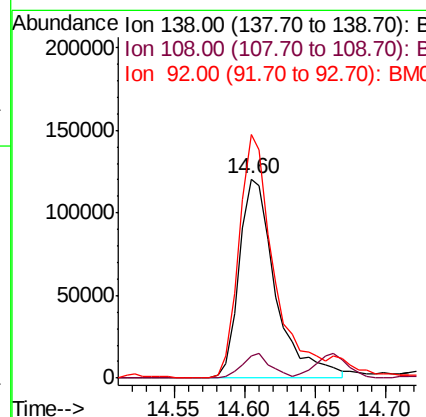
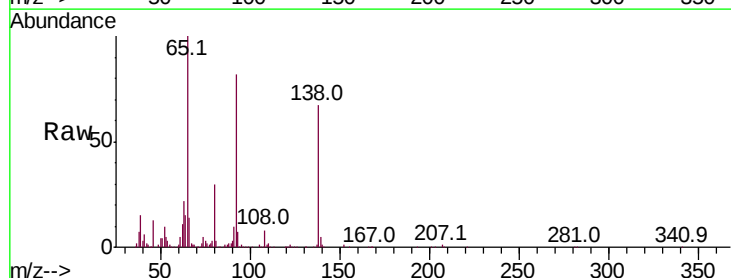
Instrument :  
BNA\_M  
ClientSampleId :

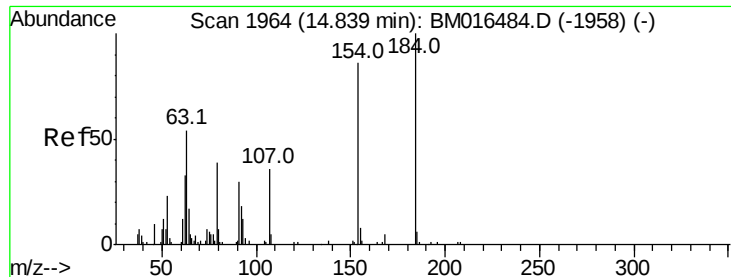
Tot Ion:154 Resp: 1855441  
Ion Ratio Lower Upper  
154 100  
153 115.3 90.0 135.0  
152 56.5 42.6 63.8



#52  
3-Nitroaniline  
Concen: 22.779 ng  
RT: 14.60 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:138 Resp: 216909  
Ion Ratio Lower Upper  
138 100  
108 11.3 7.3 10.9#  
92 122.4 76.6 114.8#

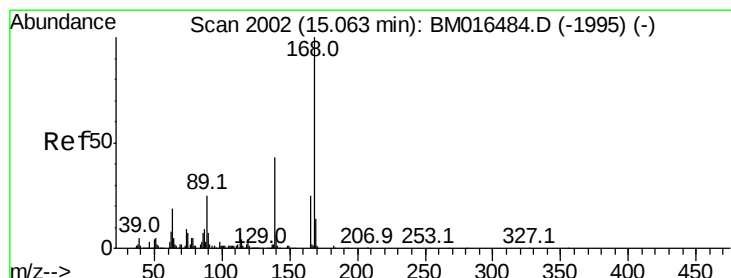
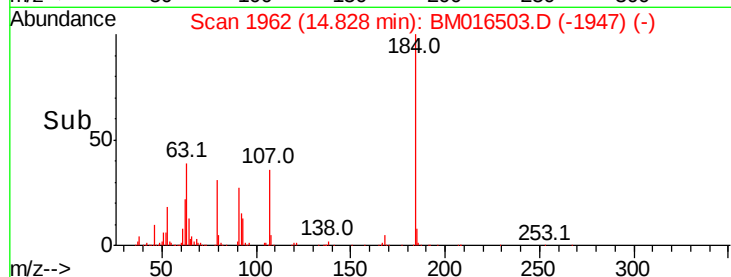
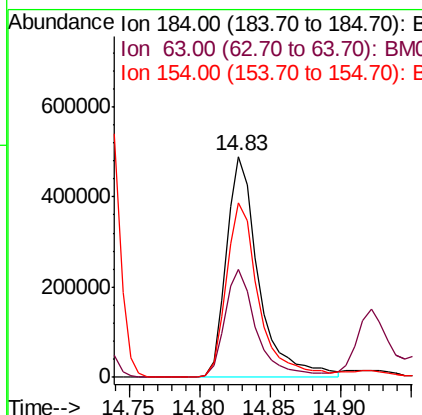
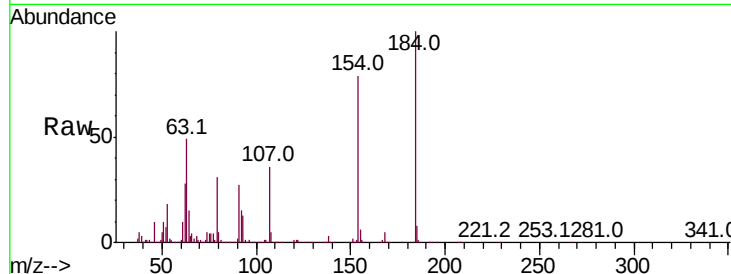




#53  
2,4-Dinitrophenol  
Concen: 149.333 ng  
RT: 14.83 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

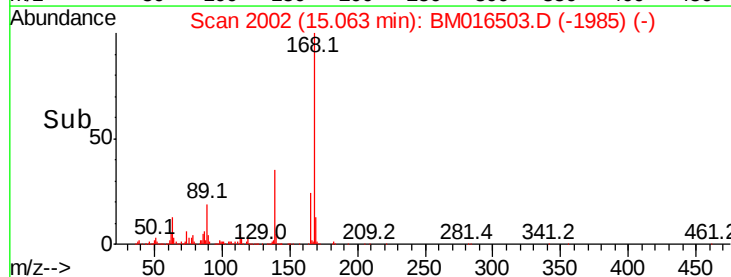
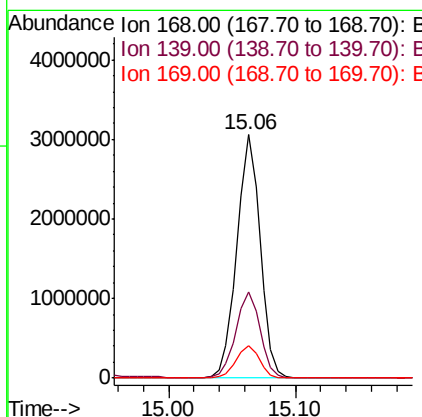
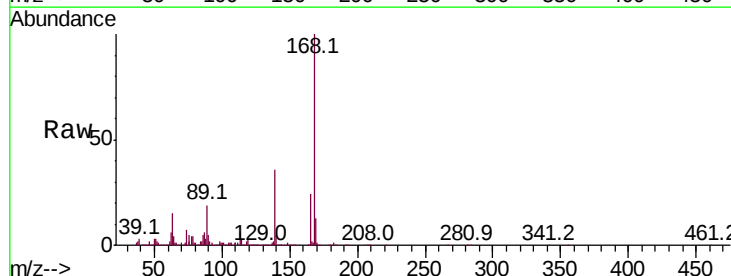
Instrument :  
BNA\_M  
ClientSampleId :

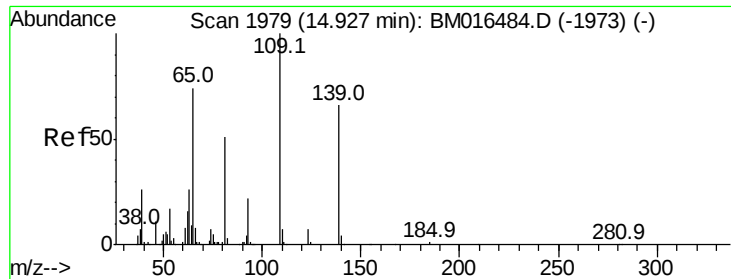
Tot Ion:184 Resp: 782093  
Ion Ratio Lower Upper  
184 100  
63 49.1 69.2 103.8#  
154 79.2 53.3 79.9



#54  
Dibenzofuran  
Concen: 58.652 ng  
RT: 15.06 min Scan# 2002  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:168 Resp: 3873816  
Ion Ratio Lower Upper  
168 100  
139 35.5 27.3 40.9  
169 13.3 10.6 16.0

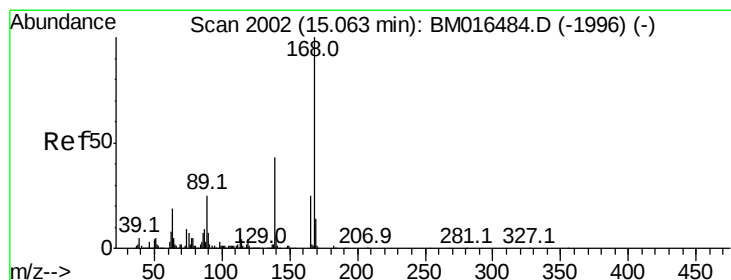
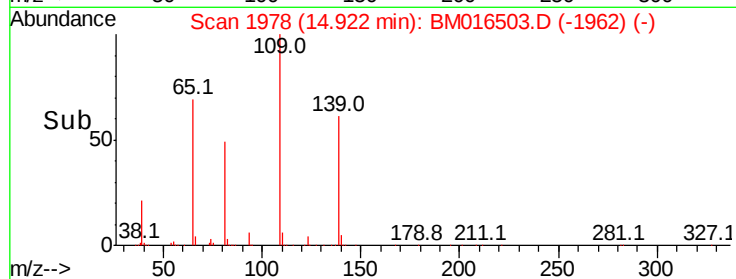
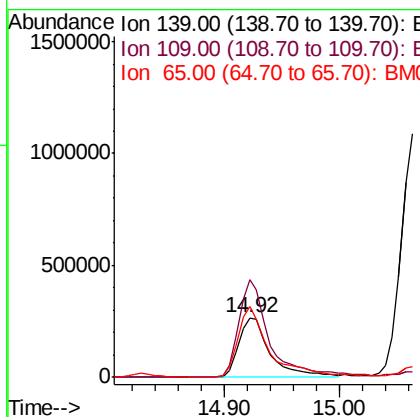
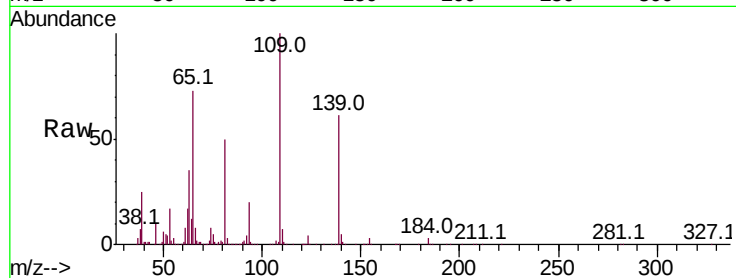




#55  
4-Nitrophenol  
Concen: 84.167 ng  
RT: 14.92 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

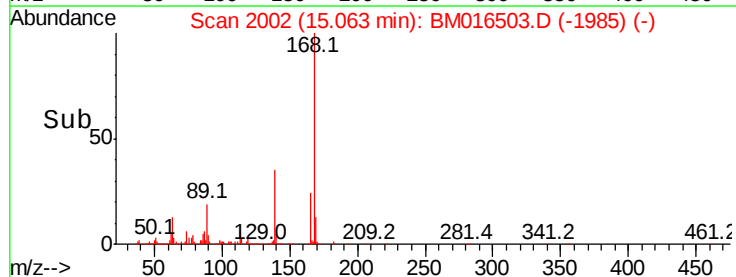
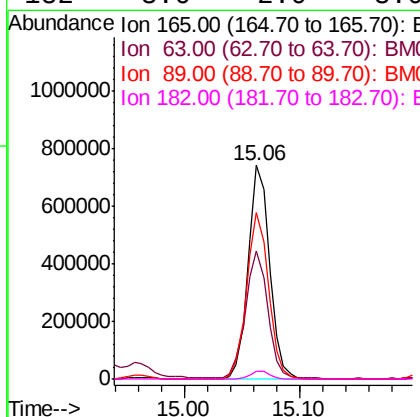
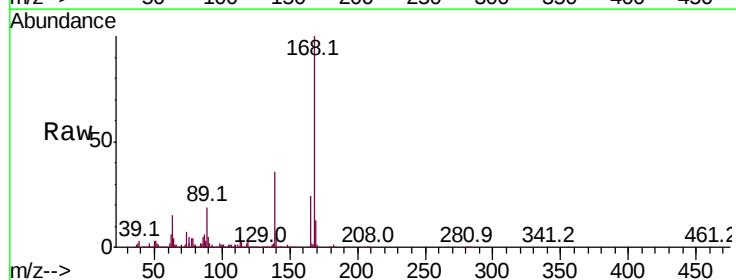
Instrument :  
BNA\_M  
ClientSampleId :

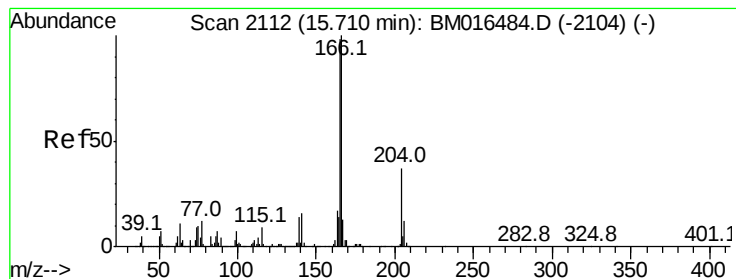
Tot Ion:139 Resp: 511190  
Ion Ratio Lower Upper  
139 100  
109 164.1 130.0 170.0  
65 119.4 130.0 170.0#



#56  
2,4-Dinitrotoluene  
Concen: 54.967 ng  
RT: 15.06 min Scan# 2002  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:165 Resp: 959229  
Ion Ratio Lower Upper  
165 100  
63 60.2 52.4 78.6  
89 78.1 72.4 108.6  
182 3.6 2.0 3.0#





#57

Fluorene

Concen: 62.078 ng

RT: 15.71 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

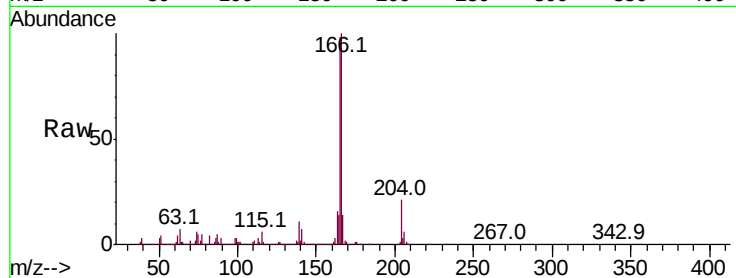
Tot Ion:166 Resp: 3097331

Ion Ratio Lower Upper

166 100

165 97.8 79.0 118.4

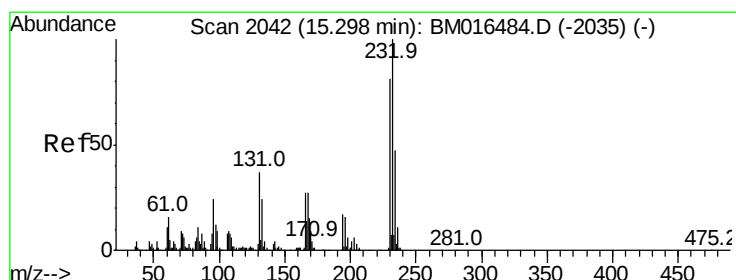
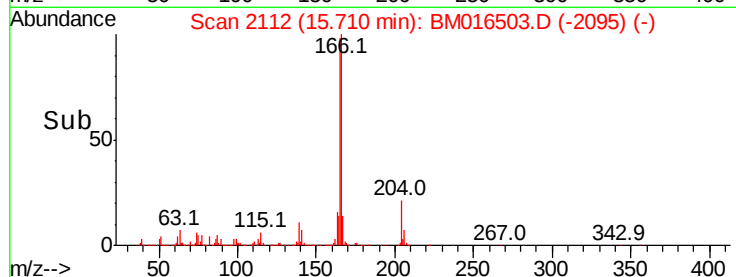
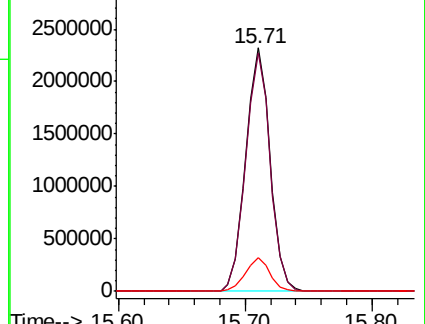
167 13.8 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 61.399 ng

RT: 15.29 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion:232 Resp: 1087256

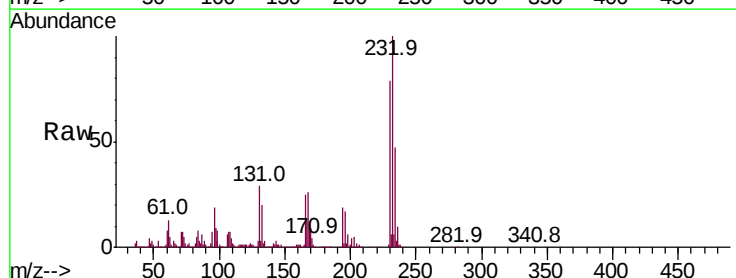
Ion Ratio Lower Upper

232 100

131 28.5 0.0 0.0#

130 2.4 0.0 0.0#

166 24.7 0.0 0.0#

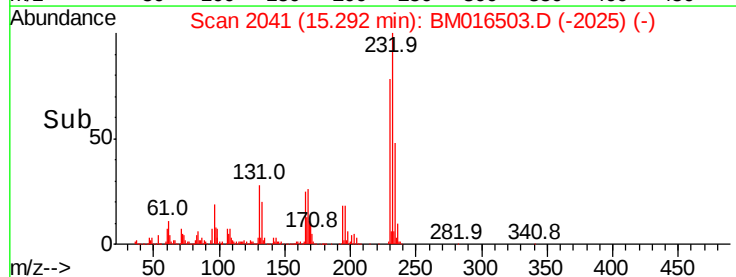
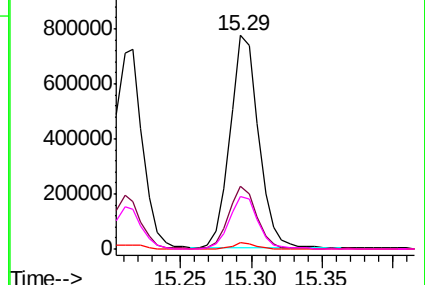


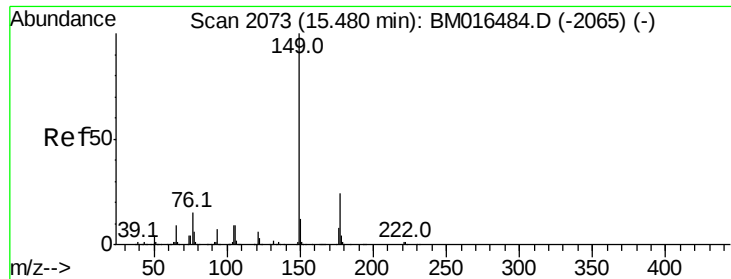
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

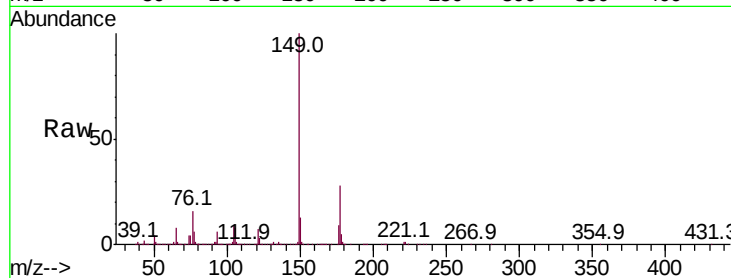




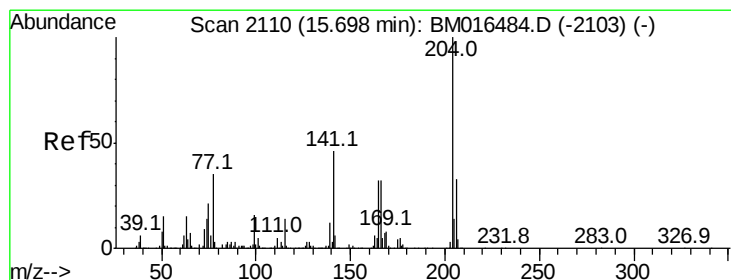
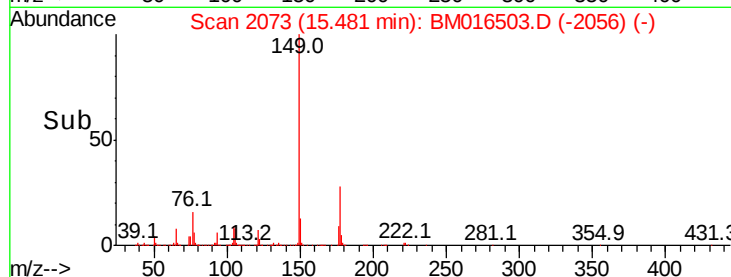
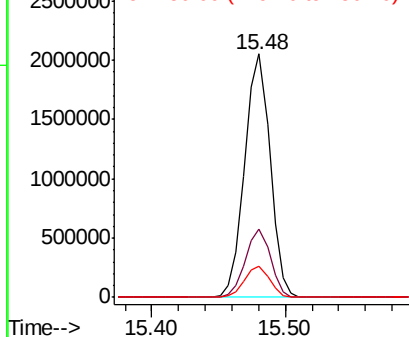
#59  
Diethylphthalate  
Concen: 48.170 ng  
RT: 15.48 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:149 Resp: 2694833  
Ion Ratio Lower Upper  
149 100  
177 28.2 18.3 27.5#  
150 12.6 9.8 14.8

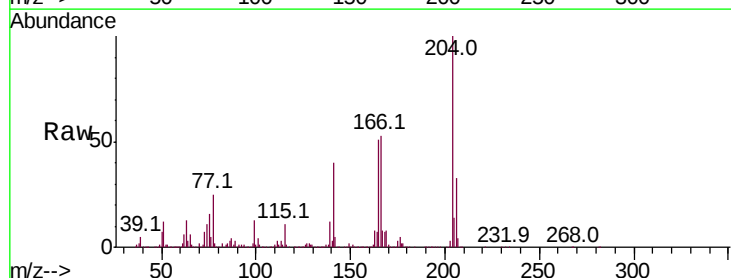


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

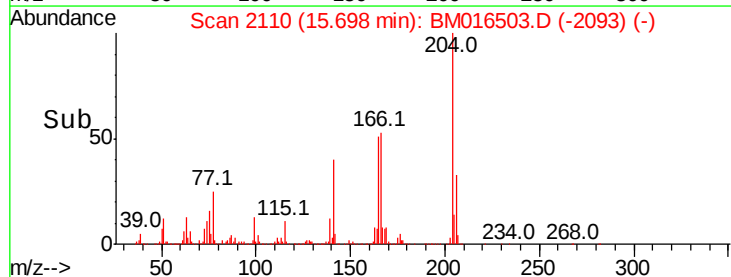
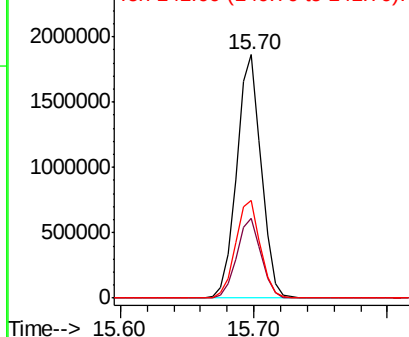


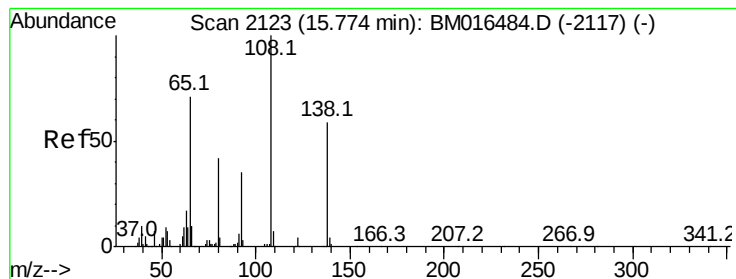
#60  
4-Chlorophenyl-phenylether  
Concen: 56.522 ng  
RT: 15.70 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:204 Resp: 2364995  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.6 39.8  
141 40.1 45.2 67.8#



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 38.629 ng

RT: 15.77 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampled :

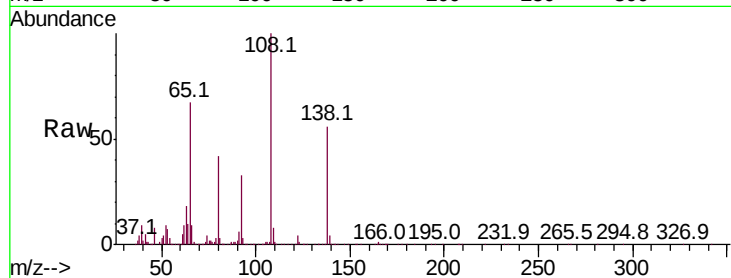
Tot Ion:138 Resp: 359495

Ion Ratio Lower Upper

138 100

92 58.9 16.7 56.7#

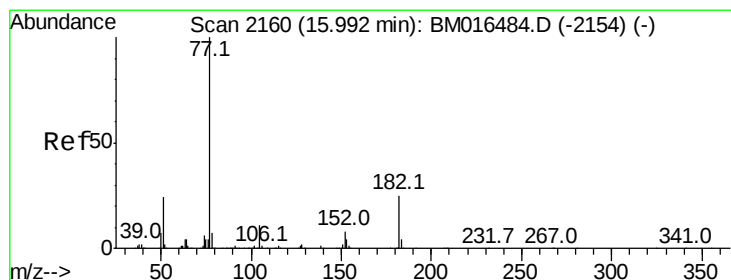
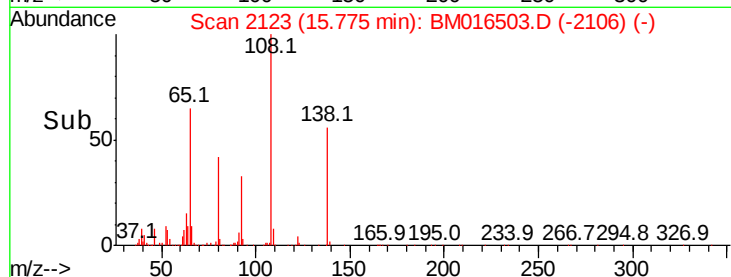
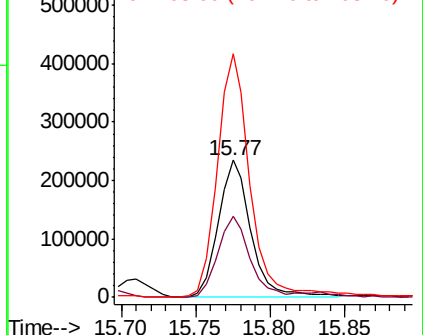
108 177.9 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 45.154 ng

RT: 15.99 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion: 77 Resp: 2690593

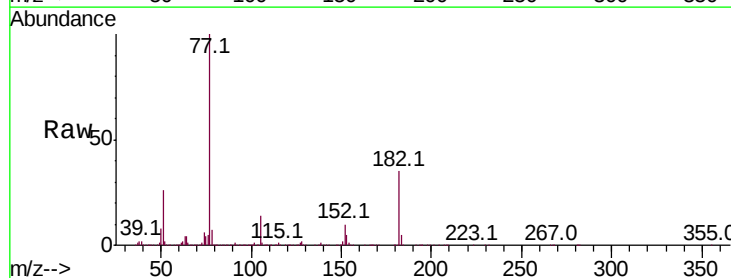
Ion Ratio Lower Upper

77 100

182 35.3 6.5 46.5

105 14.0 3.8 43.8

51 25.8 5.5 45.5

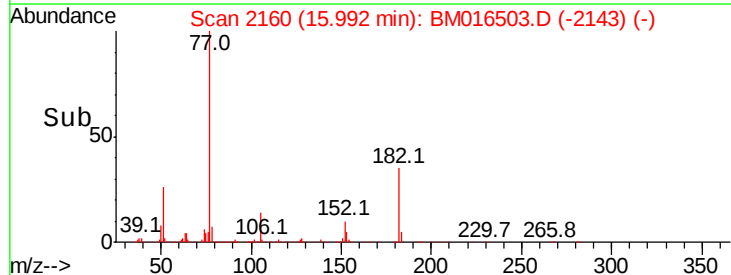
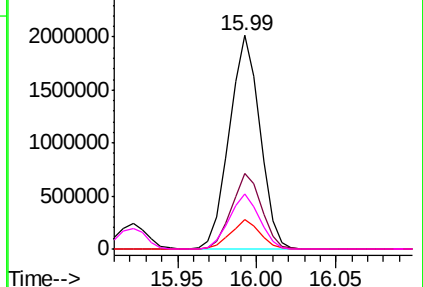


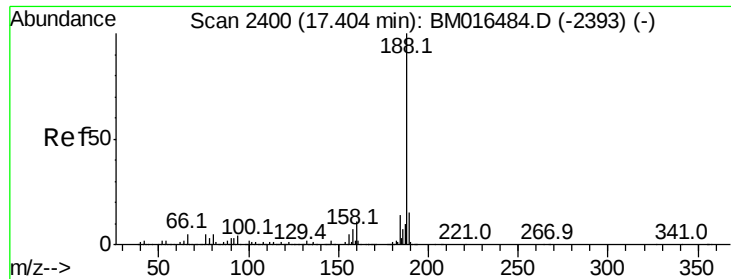
Abundance Ion 77.00 (76.70 to 77.70): BM

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): BM

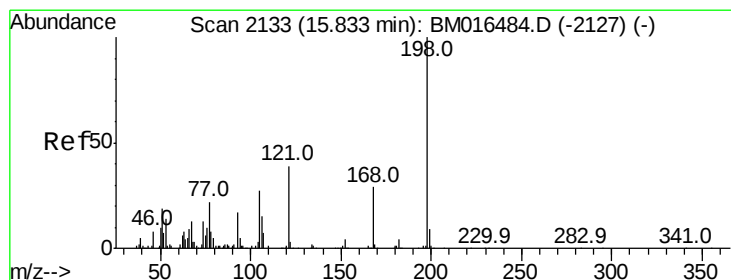
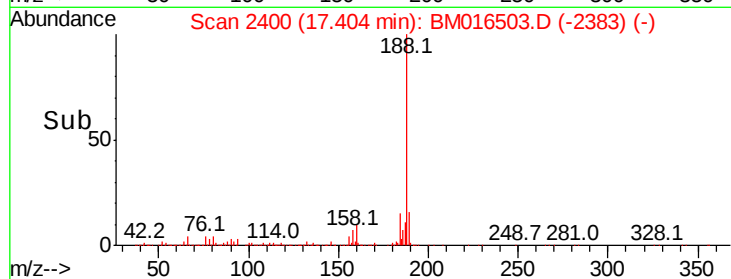
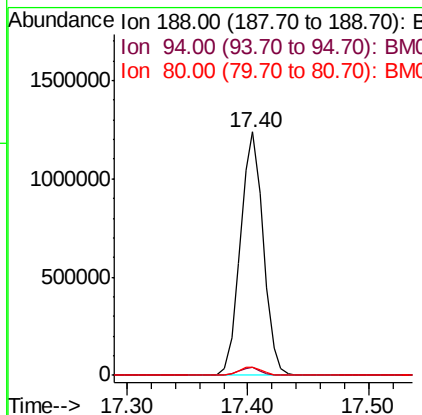
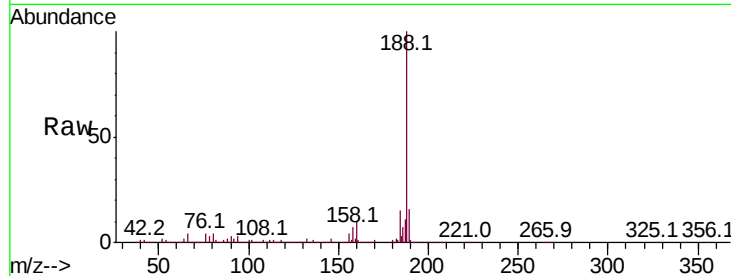




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.40 min Scan# 2400  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

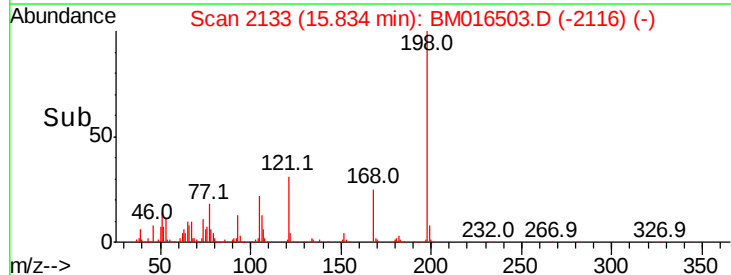
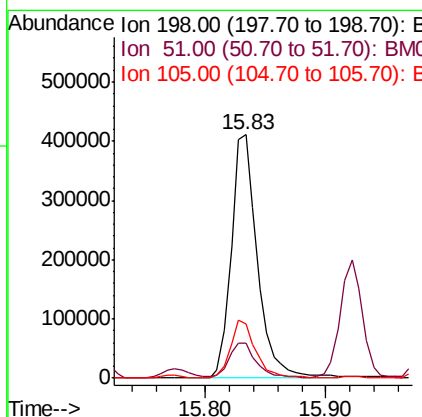
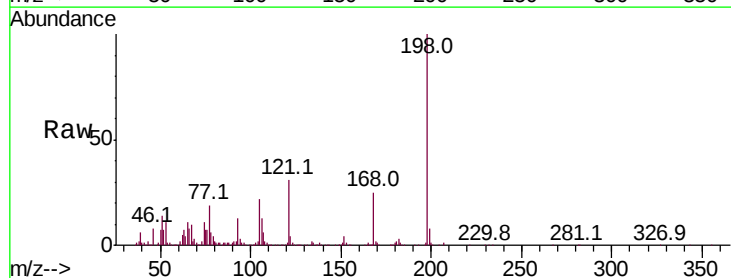
Instrument :  
 BNA\_M  
 ClientSampleId :

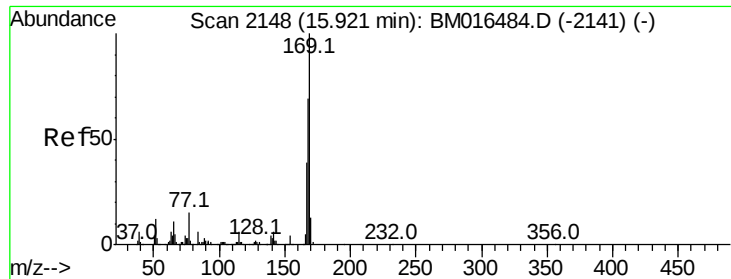
Tot Ion:188 Resp: 1647283  
 Ion Ratio Lower Upper  
 188 100  
 94 3.4 8.7 13.1#  
 80 3.6 9.3 13.9#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 49.594 ng  
 RT: 15.83 min Scan# 2133  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:198 Resp: 620746  
 Ion Ratio Lower Upper  
 198 100  
 51 14.3 28.8 68.8#  
 105 22.4 30.5 70.5#





#65

n-Nitrosodiphenylamine

Concen: 55.519 ng

RT: 15.92 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

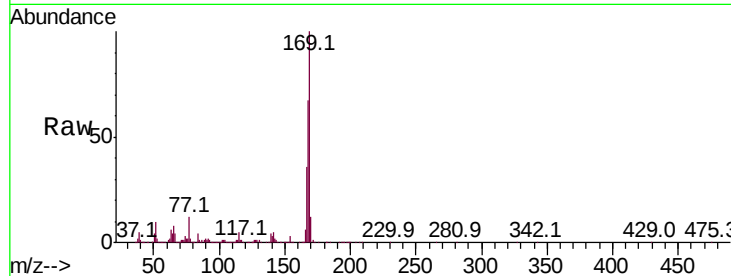
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:169 Resp: 2572820

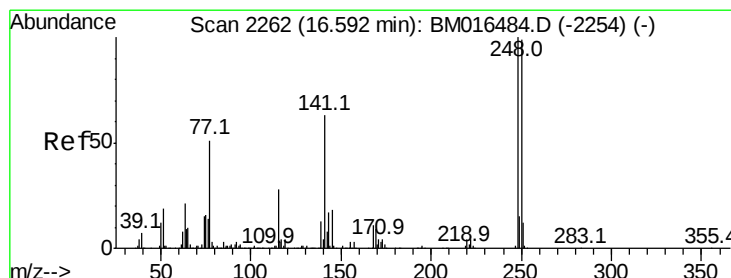
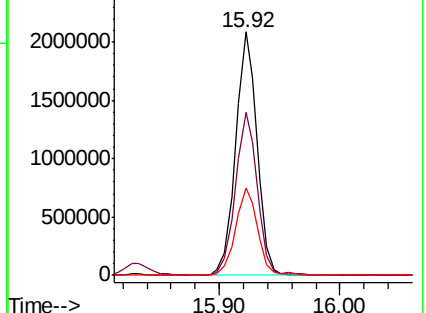
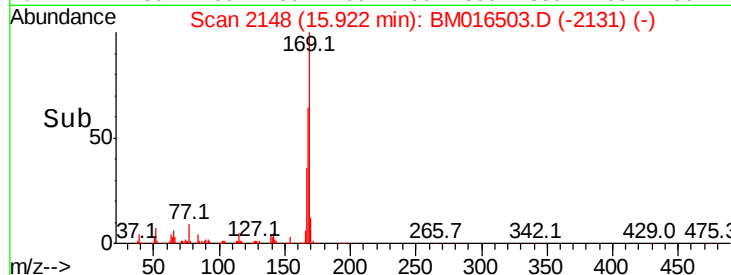
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 67.0  | 53.9  | 80.9  |
| 167 | 36.2  | 28.9  | 43.3  |



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: 57.147 ng

RT: 16.59 min Scan# 2261

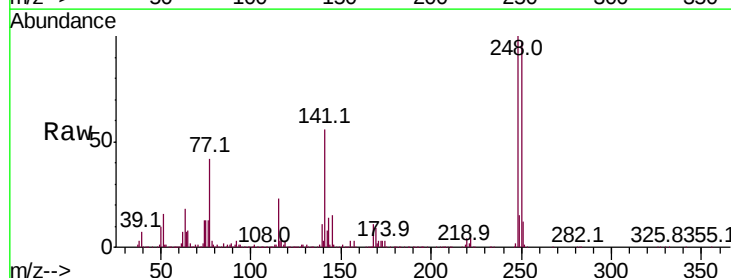
Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion:248 Resp: 1446447

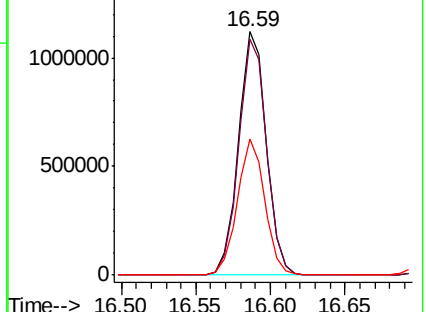
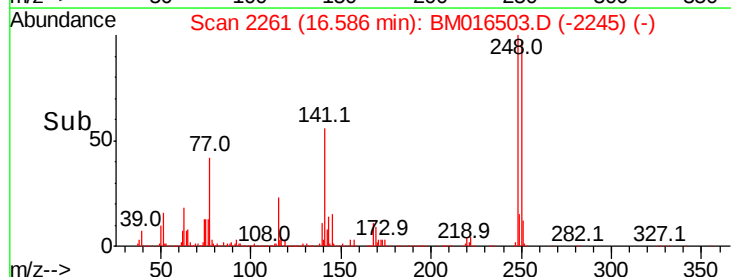
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 248 | 100   |       |       |
| 250 | 96.8  | 77.4  | 116.0 |
| 141 | 55.8  | 45.2  | 67.8  |

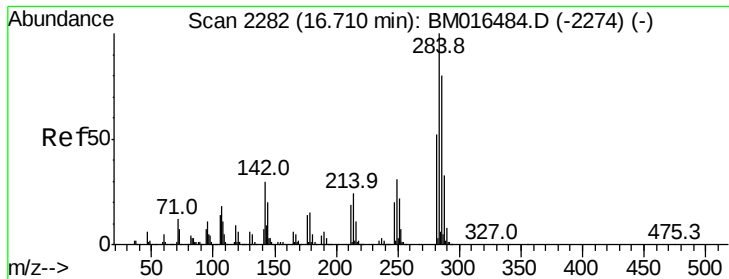


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

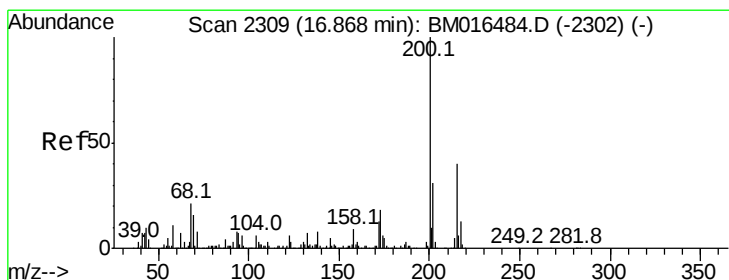
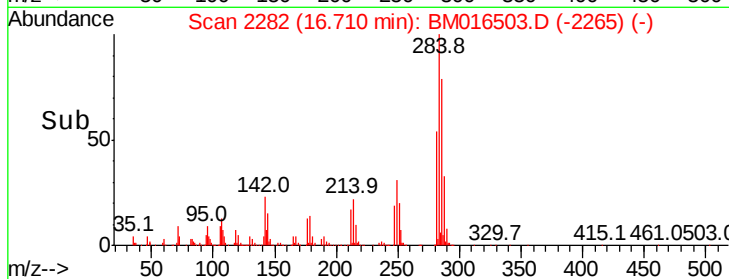
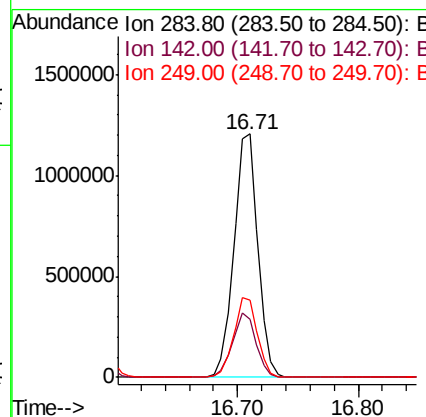
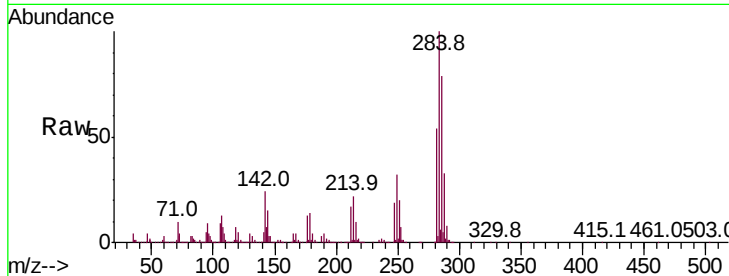




#67  
Hexachlorobenzene  
Concen: 56.240 ng  
RT: 16.71 min Scan# 2282  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

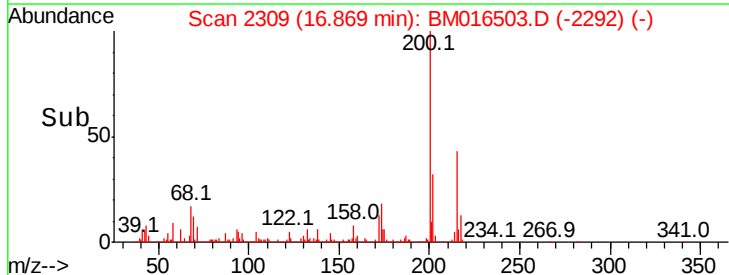
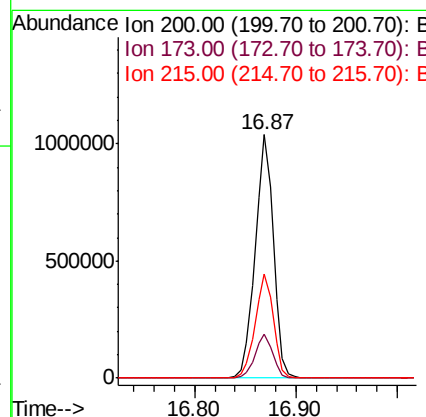
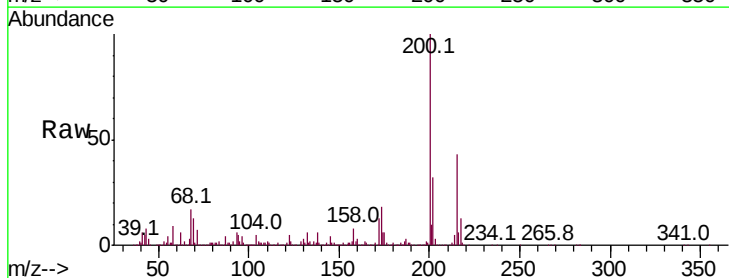
Instrument :  
BNA\_M  
ClientSampleId :

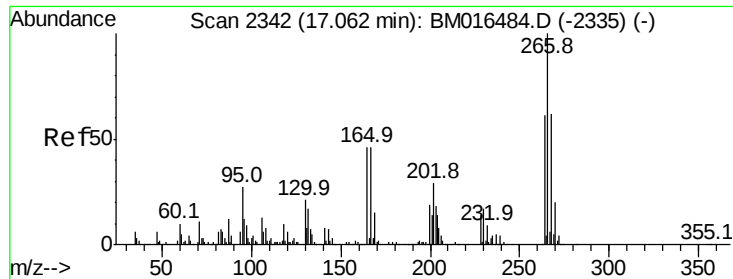
Tot Ion:284 Resp: 1660071  
Ion Ratio Lower Upper  
284 100  
142 23.6 20.4 30.6  
249 31.5 23.8 35.6



#68  
Atrazine  
Concen: 61.361 ng  
RT: 16.87 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:200 Resp: 1297720  
Ion Ratio Lower Upper  
200 100  
173 18.2 4.8 44.8  
215 42.5 26.9 66.9

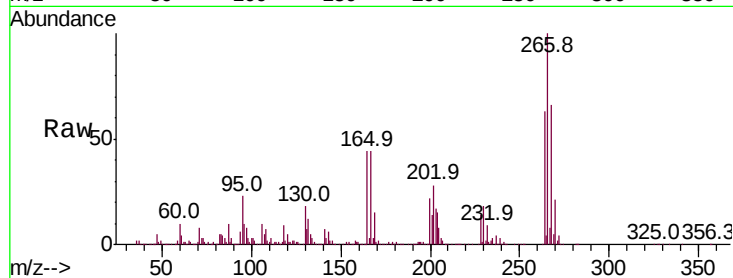




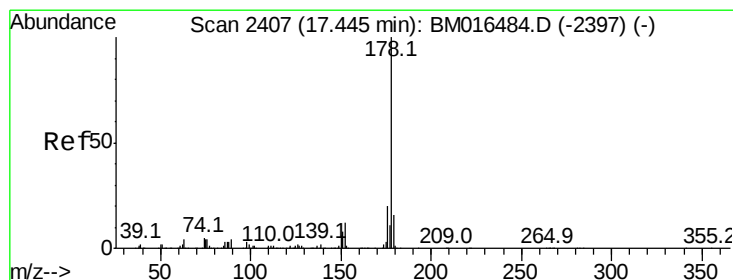
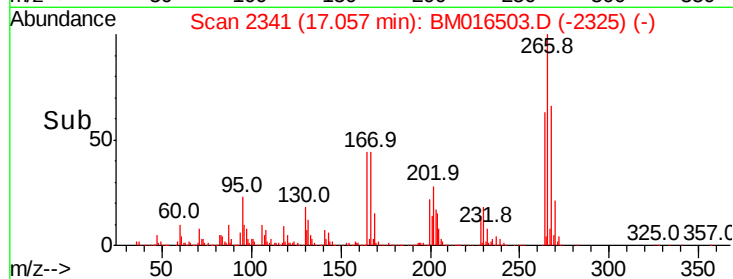
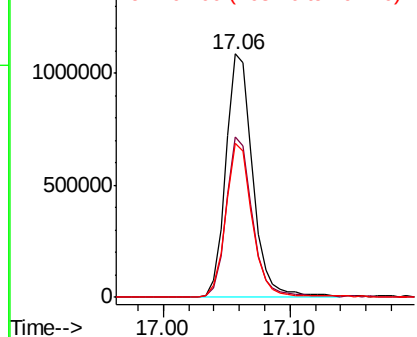
#69  
 Pentachlorophenol  
 Concen: 101.923 ng  
 RT: 17.06 min Scan# 2341  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:266 Resp: 1591813  
 Ion Ratio Lower Upper  
 266 100  
 268 65.8 52.0 78.0  
 264 63.1 49.0 73.4

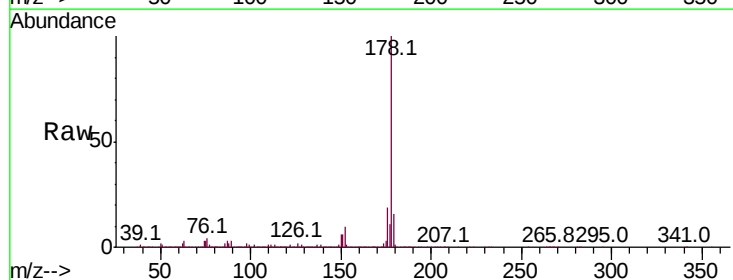


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

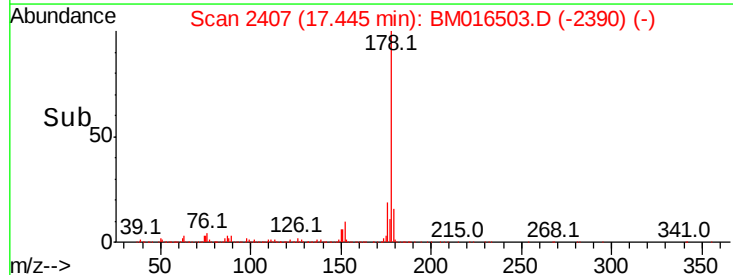
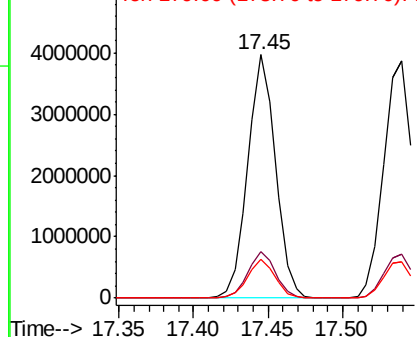


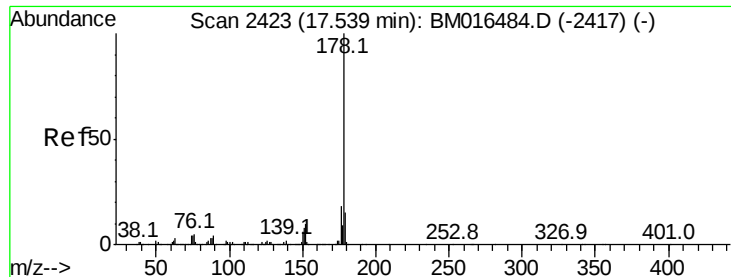
#70  
 Phenanthrene  
 Concen: 59.859 ng  
 RT: 17.45 min Scan# 2407  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:178 Resp: 5096444  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.2 22.8  
 179 15.7 12.1 18.1



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

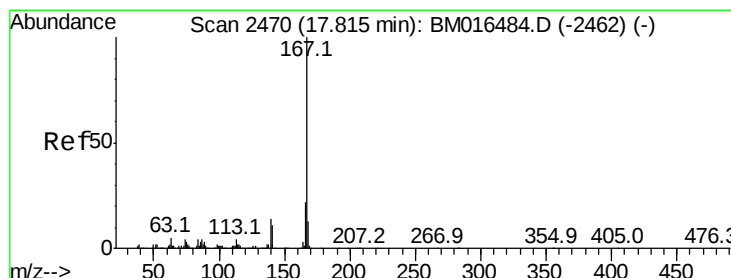
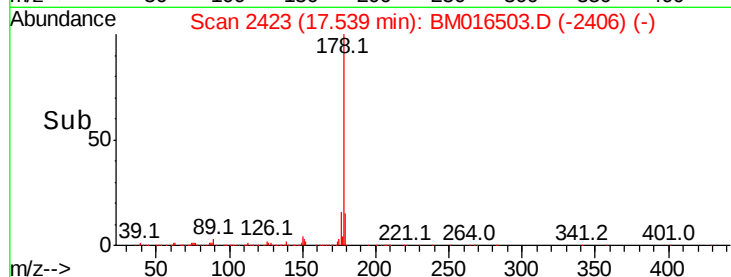
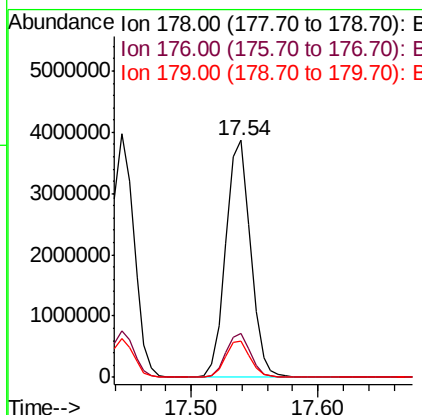
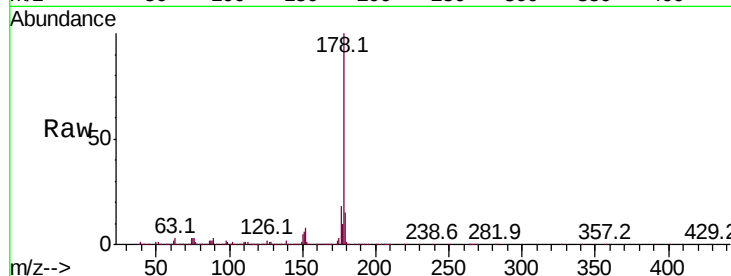




#71  
 Anthracene  
 Concen: 61.758 ng  
 RT: 17.54 min Scan# 2423  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

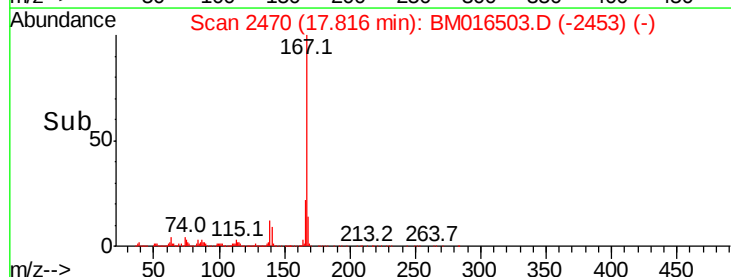
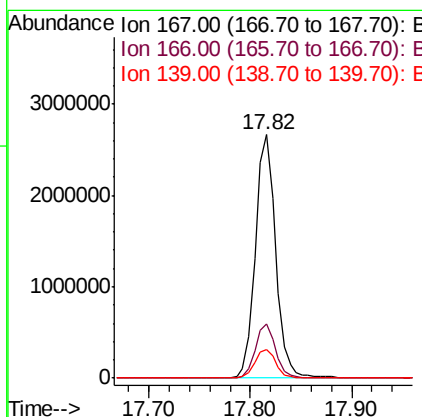
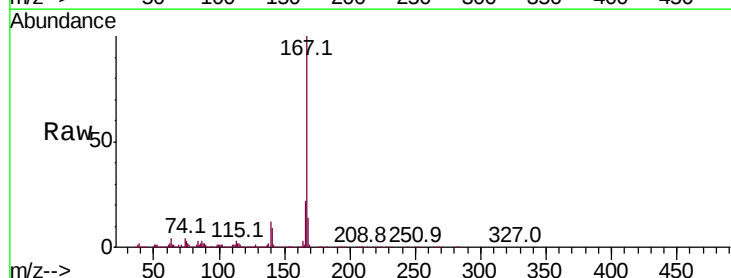
Instrument :  
 BNA\_M  
 ClientSampled :

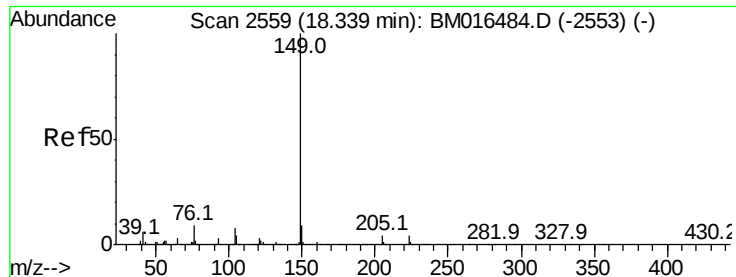
Tot Ion:178 Resp: 5221319  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 14.6 22.0  
 179 15.4 12.6 19.0



#72  
 Carbazole  
 Concen: 48.680 ng  
 RT: 17.82 min Scan# 2470  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:167 Resp: 3698637  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.2 25.8  
 139 12.0 10.8 16.2

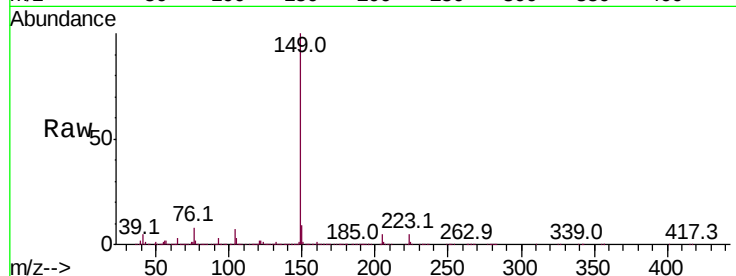




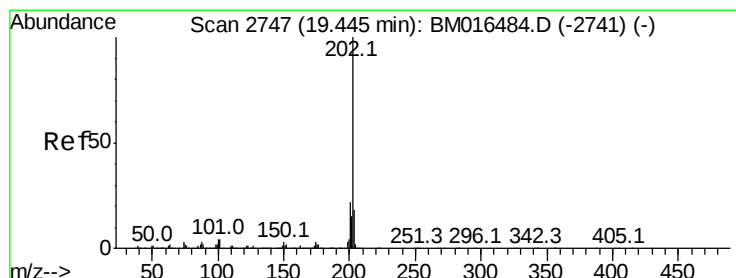
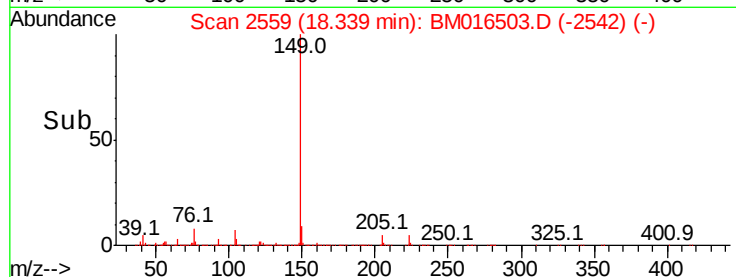
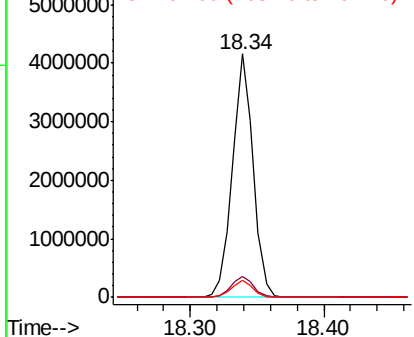
#73  
Di-n-butylphthalate  
Concen: 48.626 ng  
RT: 18.34 min Scan# 2559  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:149 Resp: 4504154  
Ion Ratio Lower Upper  
149 100  
150 8.7 7.5 11.3  
104 6.8 3.7 5.5#

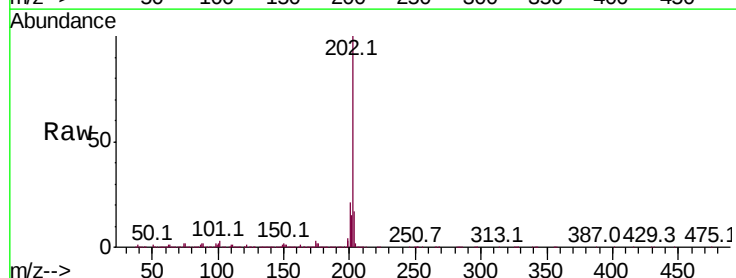


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

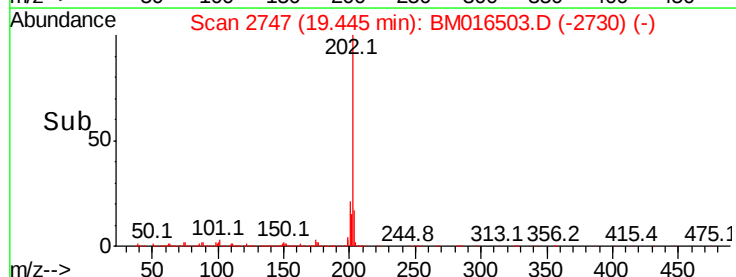
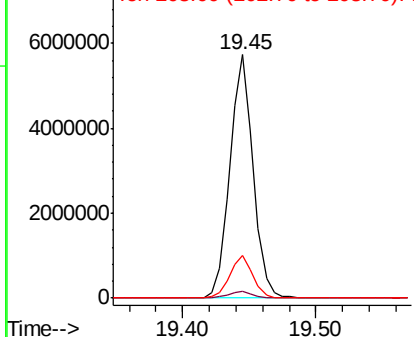


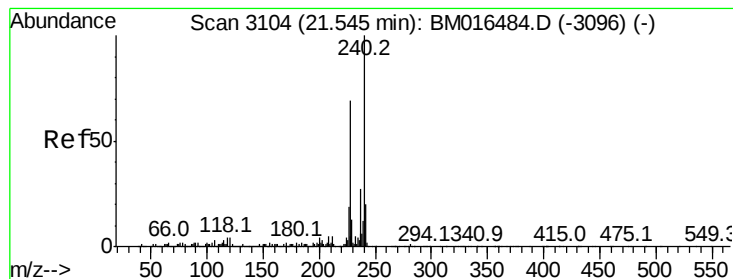
#74  
Fluoranthene  
Concen: 55.694 ng  
RT: 19.45 min Scan# 2747  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:202 Resp: 6952568  
Ion Ratio Lower Upper  
202 100  
101 2.7 0.0 28.7  
203 17.5 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

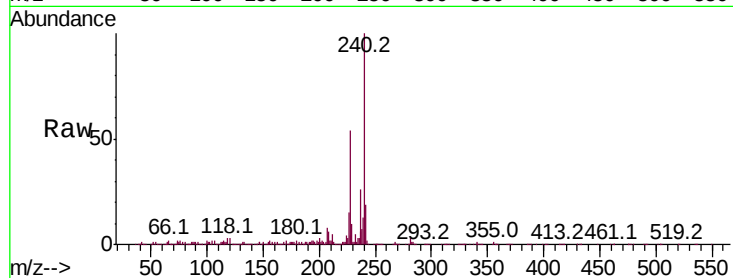
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:240 Resp: 1937946

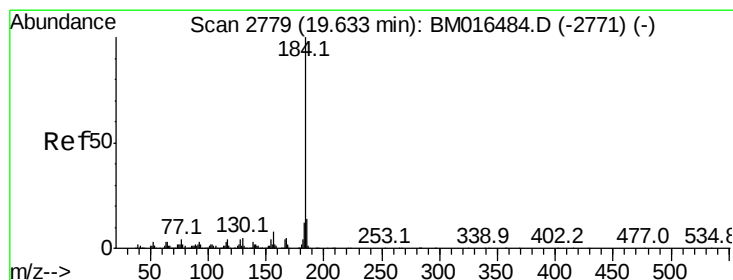
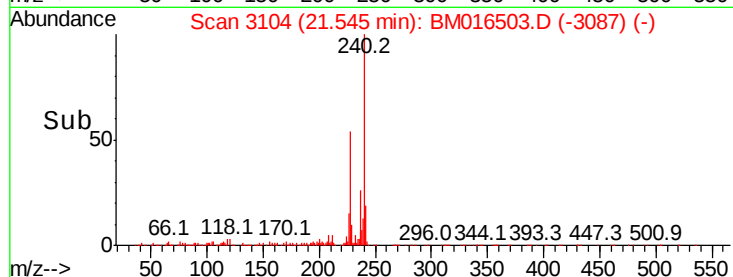
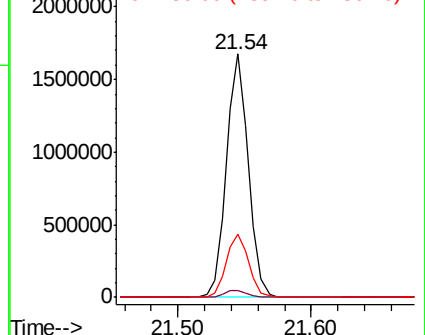
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 2.9   | 8.2   | 12.2# |
| 236 | 26.1  | 20.0  | 30.0  |



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: 43.888 ng

RT: 19.63 min Scan# 2779

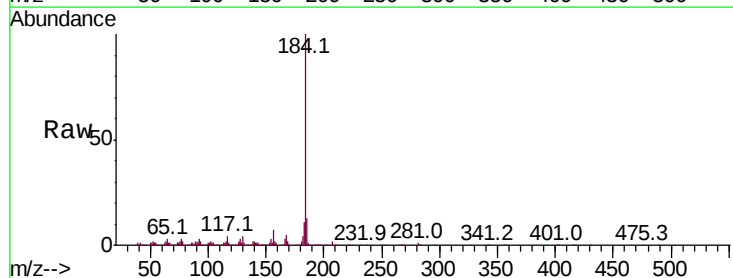
Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion:184 Resp: 1635661

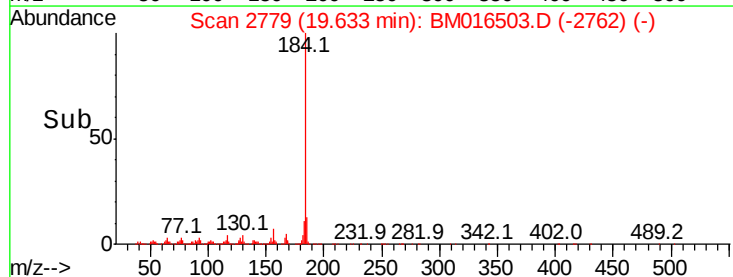
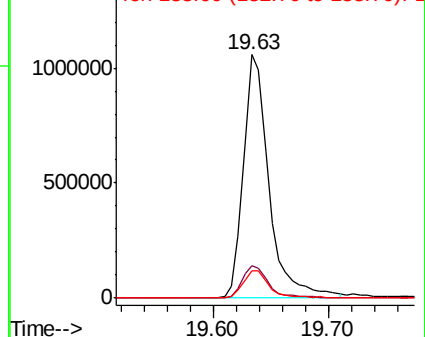
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 13.3  | 11.3  | 16.9  |
| 183 | 11.4  | 8.9   | 13.3  |

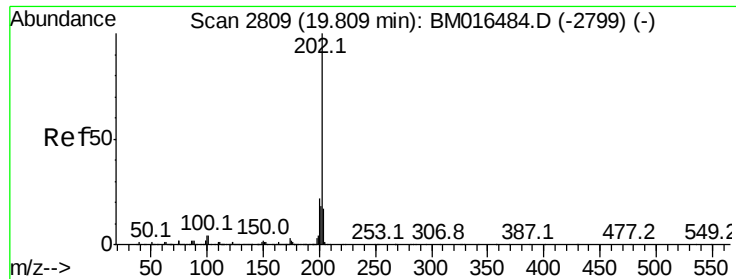


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 65.940 ng

RT: 19.80 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

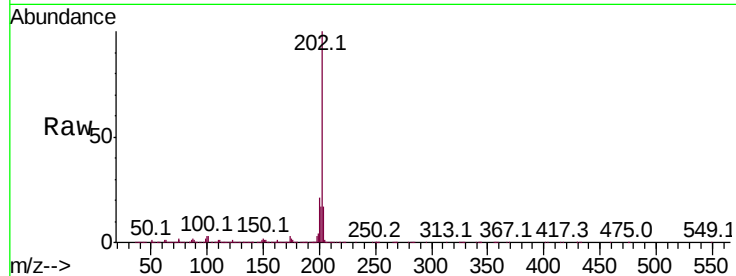
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:202 Resp: 6944780

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.3  | 16.9  | 25.3  |
| 203 | 17.4  | 14.1  | 21.1  |

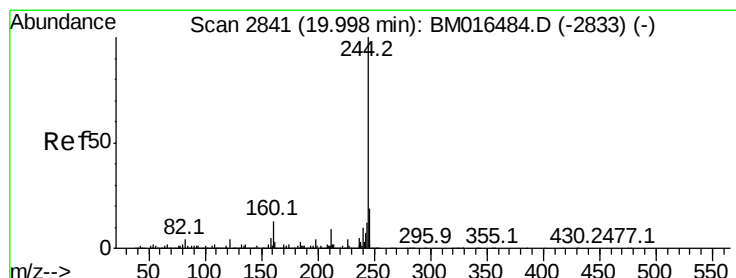
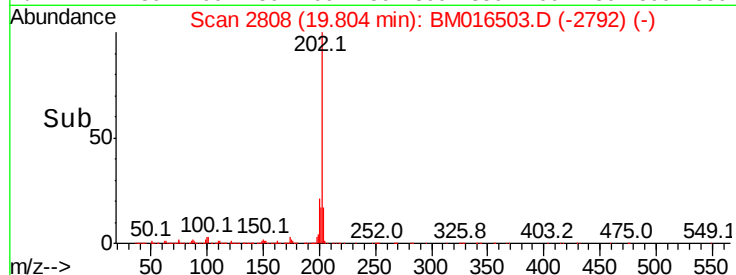
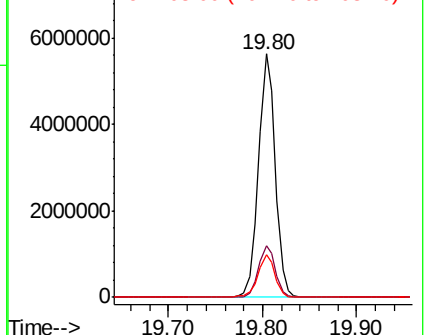


Abundance

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: 65.940 ng

RT: 19.99 min Scan# 2840

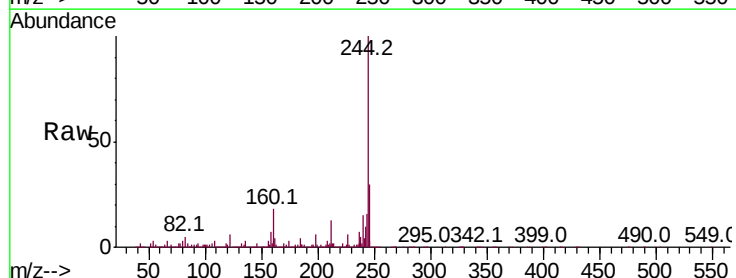
Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Tgt Ion:244 Resp:11551777

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 12.8  | 4.9   | 7.3#  |
| 122 | 6.1   | 6.2   | 9.4#  |

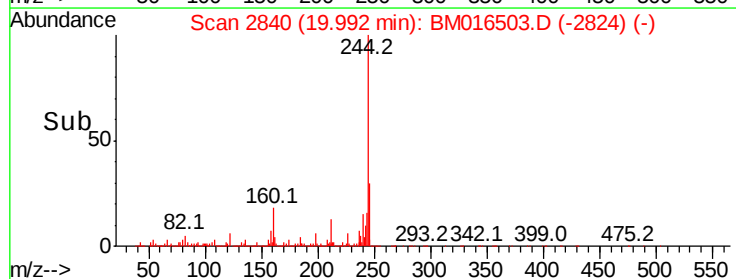
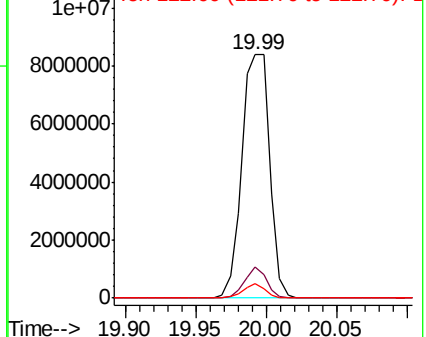


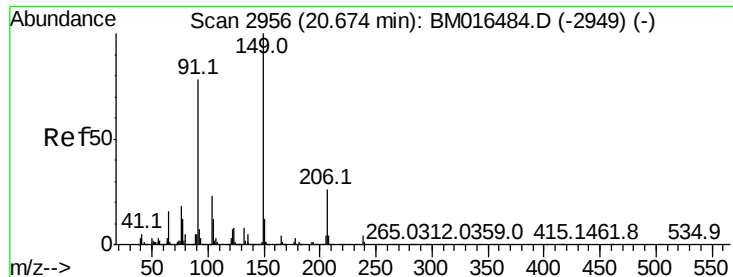
Abundance

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

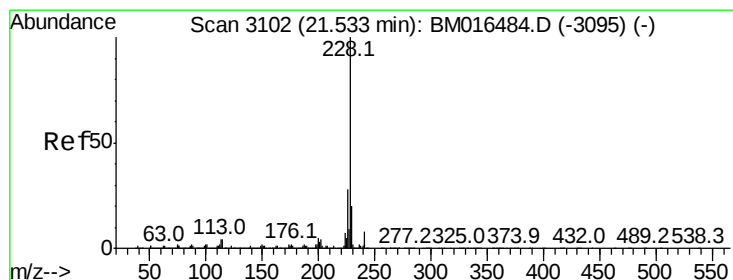
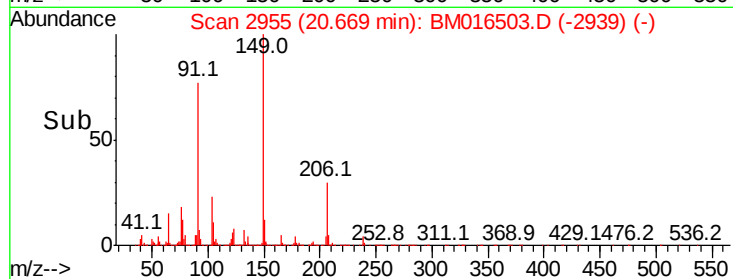
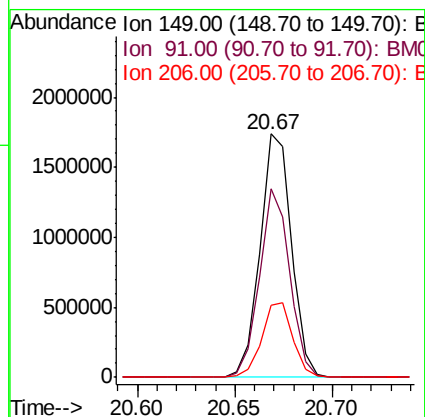
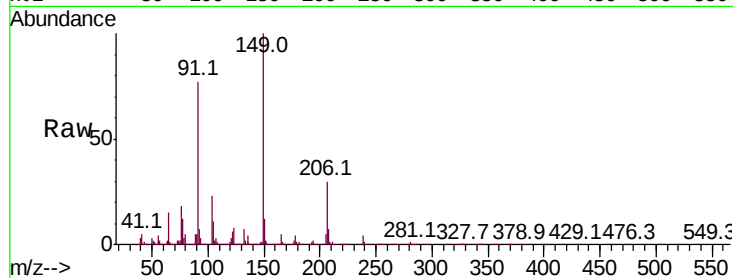




#79  
Butylbenzylphthalate  
Concen: 53.210 ng  
RT: 20.67 min Scan# 2955  
Delta R.T. -0.01 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

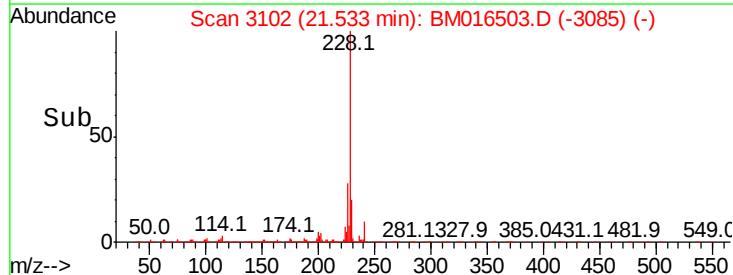
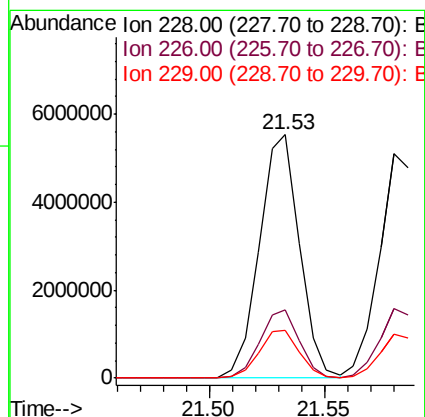
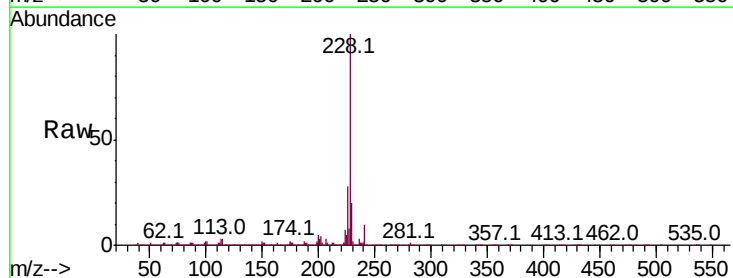
Instrument :  
BNA\_M  
ClientSampleId :

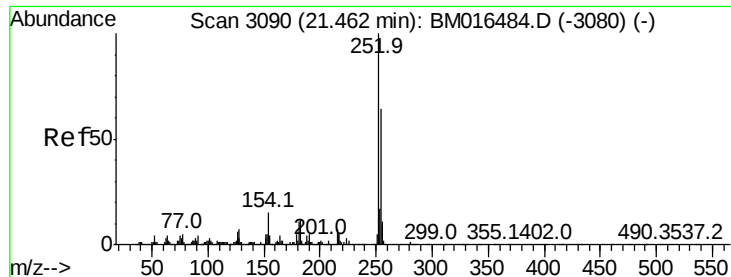
Tot Ion:149 Resp: 1934391  
Ion Ratio Lower Upper  
149 100  
91 77.2 50.1 75.1#  
206 29.9 16.2 24.2#



#80  
Benzo(a)anthracene  
Concen: 58.659 ng  
RT: 21.53 min Scan# 3102  
Delta R.T. 0.00 min  
Lab File: BM016503.D  
Acq: 22 Aug 2018 02:55

Tgt Ion:228 Resp: 6683343  
Ion Ratio Lower Upper  
228 100  
226 28.1 21.7 32.5  
229 19.5 16.0 24.0



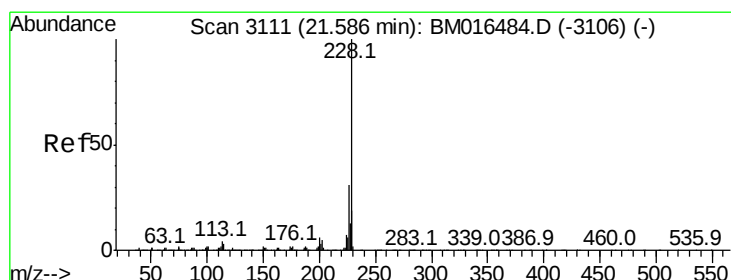
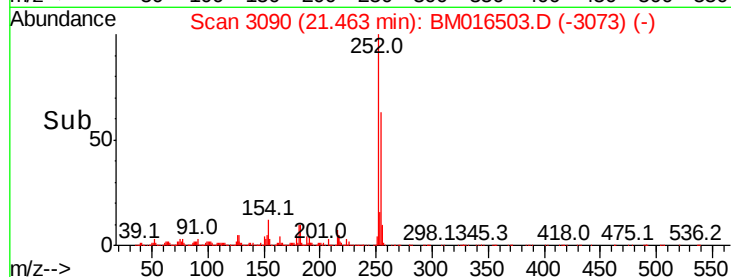
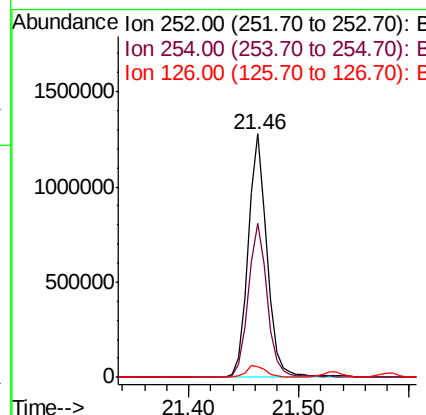
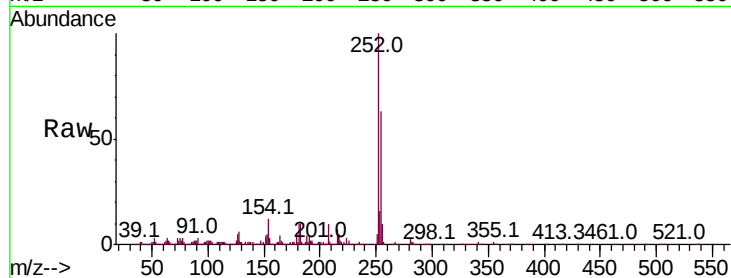


#81  
 3,3'-Dichlorobenzidine  
 Concen: 30.188 ng  
 RT: 21.46 min Scan# 3090  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:252 Resp: 1530994  

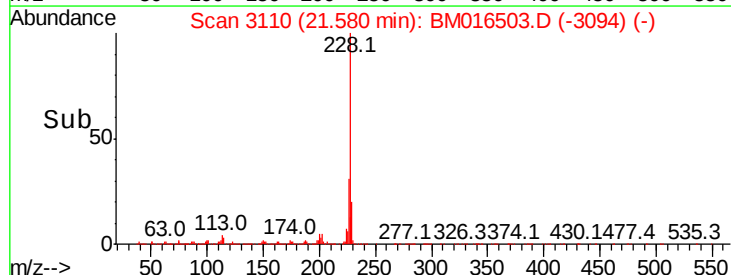
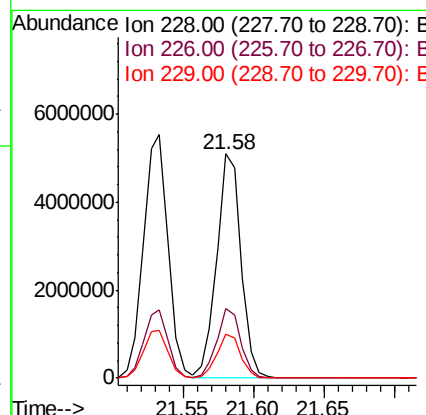
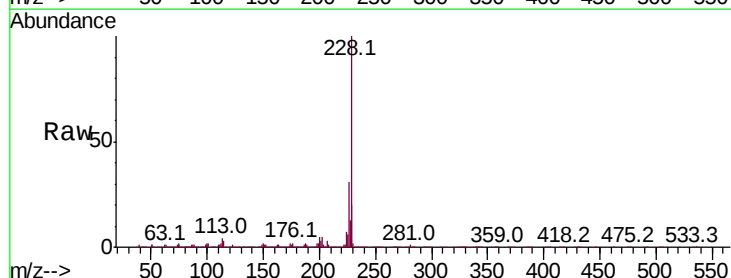
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.3  | 51.9  | 77.9  |
| 126 | 4.5   | 9.8   | 14.8# |

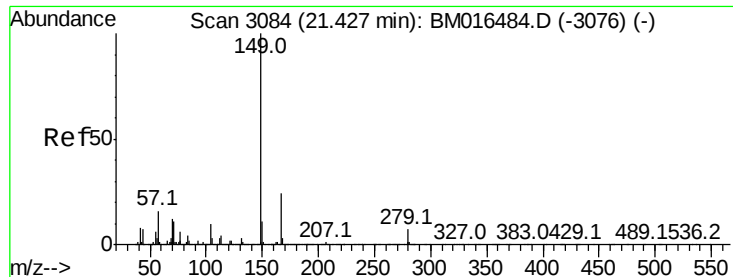


#82  
 Chrysene  
 Concen: 56.043 ng  
 RT: 21.58 min Scan# 3110  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:228 Resp: 6092424  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.2  | 24.1  | 36.1  |
| 229 | 19.8  | 15.5  | 23.3  |

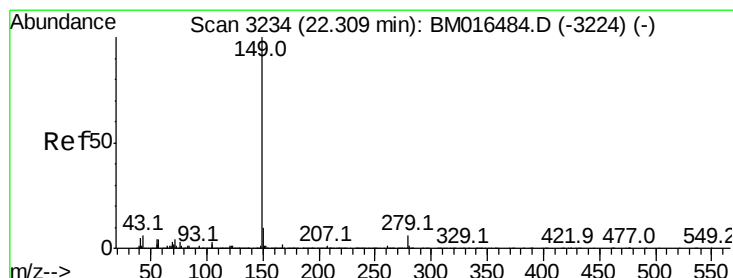
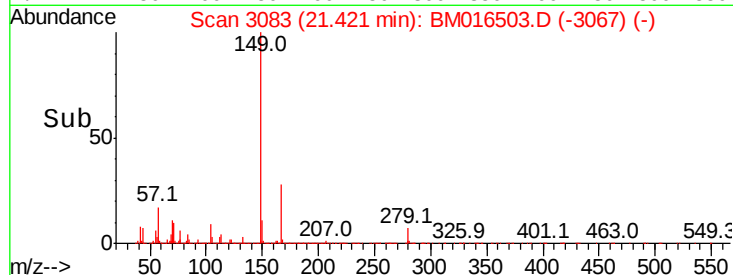
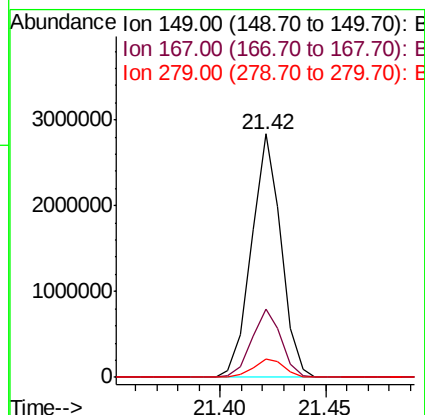
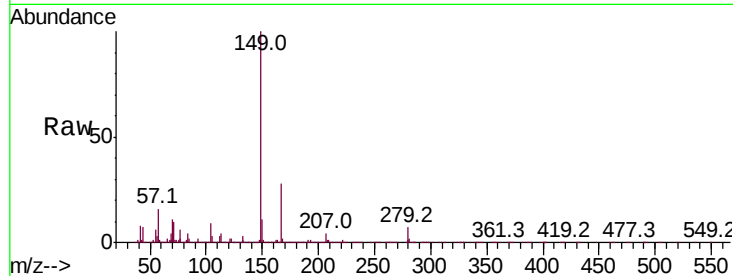




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 50.919 ng  
 RT: 21.42 min Scan# 3083  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

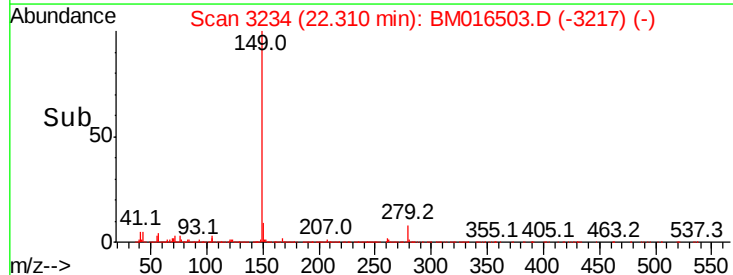
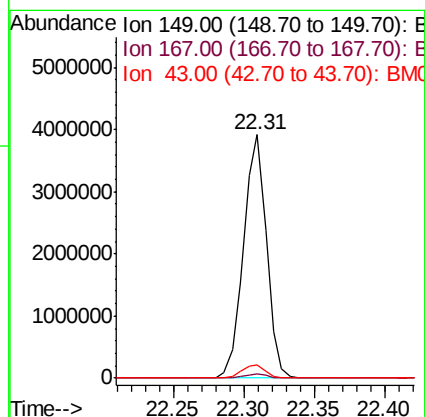
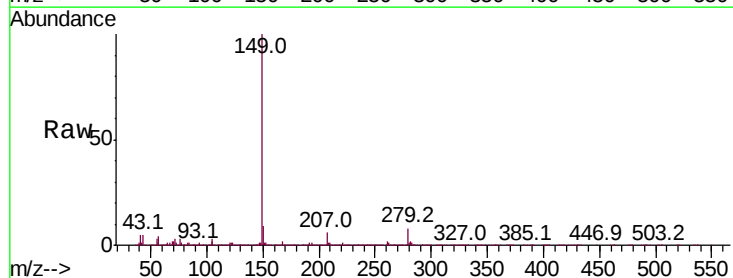
Instrument :  
 BNA\_M  
 ClientSampleId :

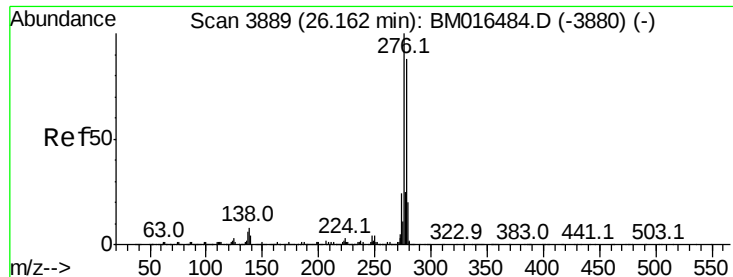
Tot Ion:149 Resp: 2751883  
 Ion Ratio Lower Upper  
 149 100  
 167 27.8 22.4 33.6  
 279 7.4 3.4 5.0#



#84  
 Di-n-octyl phthalate  
 Concen: 49.278 ng  
 RT: 22.31 min Scan# 3234  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:149 Resp: 4425724  
 Ion Ratio Lower Upper  
 149 100  
 167 1.9 1.2 1.8#  
 43 5.6 7.3 10.9#



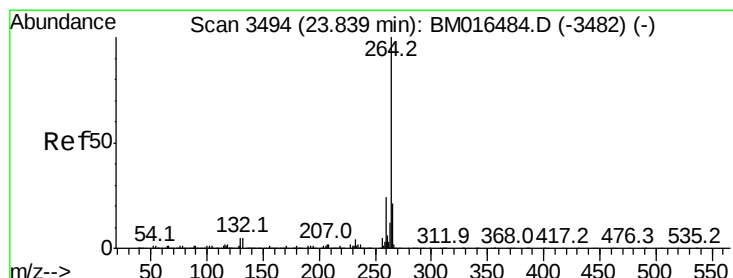
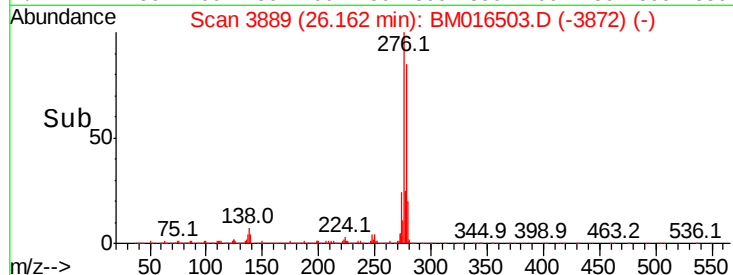
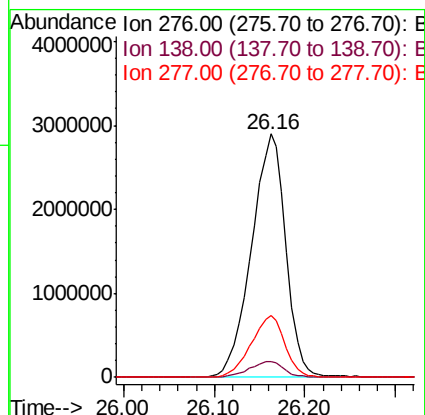
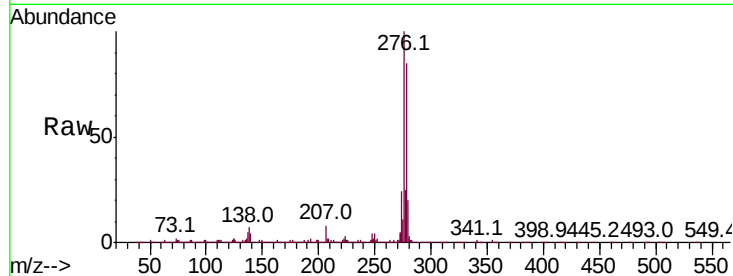


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.535 ng  
 RT: 26.16 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:276 Resp: 7587669  

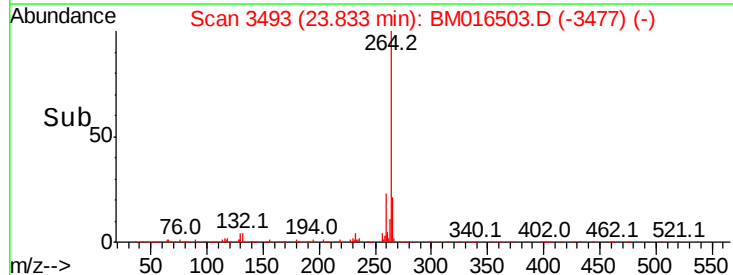
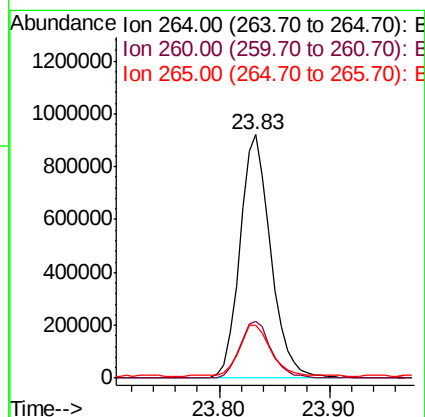
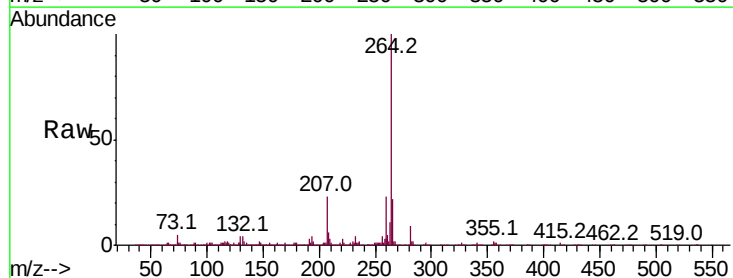
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 6.7   | 12.0  | 18.0# |
| 277 | 25.2  | 20.0  | 30.0  |

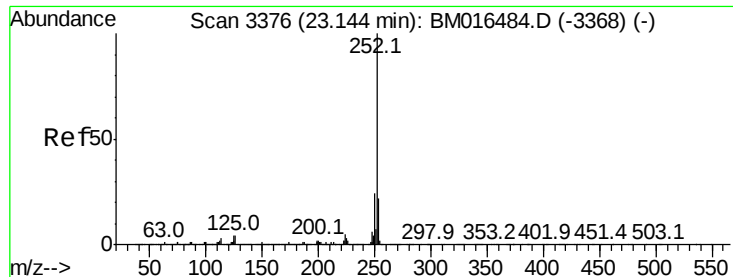


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.83 min Scan# 3493  
 Delta R.T. -0.01 min  
 Lab File: BM016503.D  
 Acq: 22 Aug 2018 02:55

Tgt Ion:264 Resp: 1803133  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 18.6  | 27.8  |
| 265 | 22.0  | 17.3  | 25.9  |





#87

Benzo(b)fluoranthene

Concen: 64.547 ng

RT: 23.14 min Scan# 3376

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

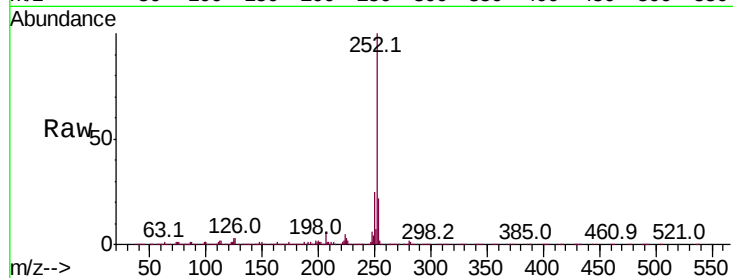
Tot Ion:252 Resp: 6709128

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

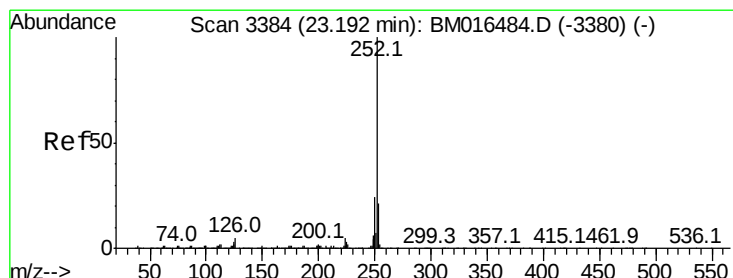
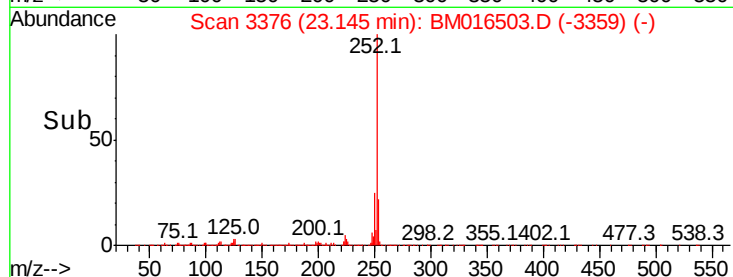
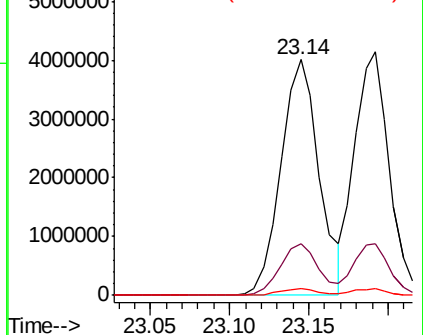
125 2.7 9.9 14.9#



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



#88

Benzo(k)fluoranthene

Concen: 59.581 ng

RT: 23.19 min Scan# 3384

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

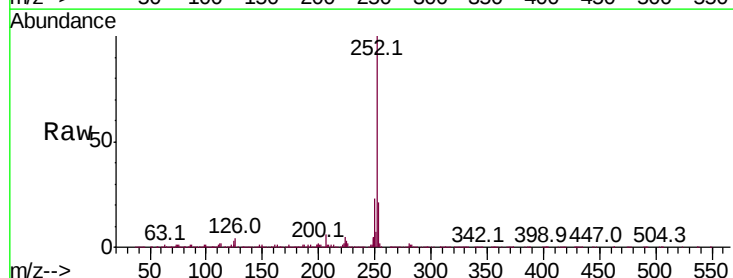
Tgt Ion:252 Resp: 6301309

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

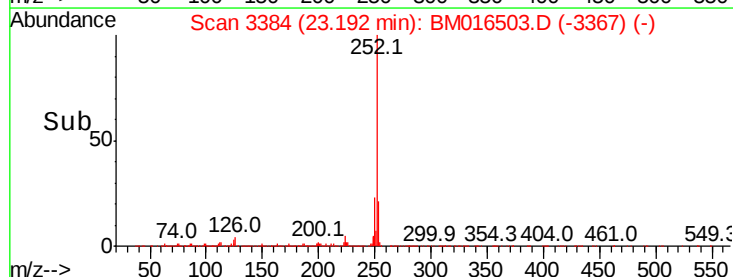
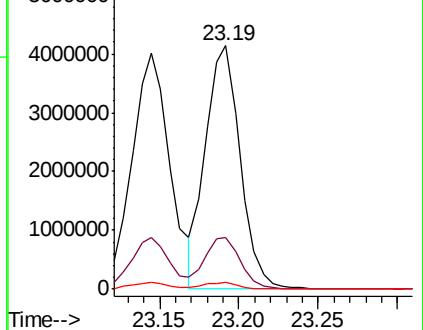
125 2.6 8.1 12.1#

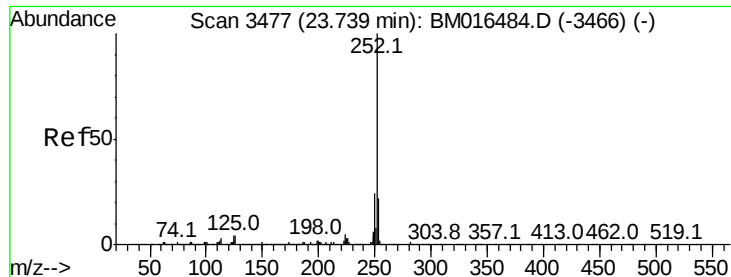


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 60.986 ng

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

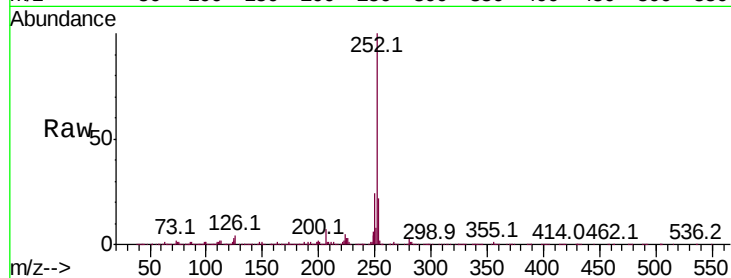
Tot Ion:252 Resp: 6167960

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

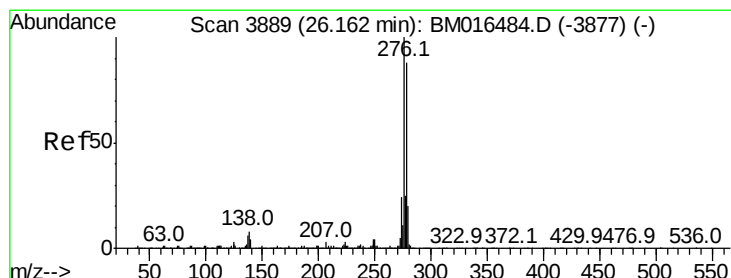
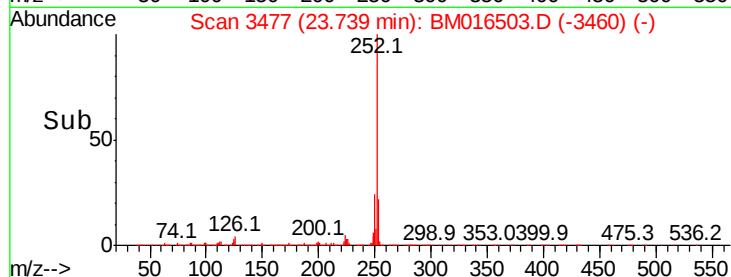
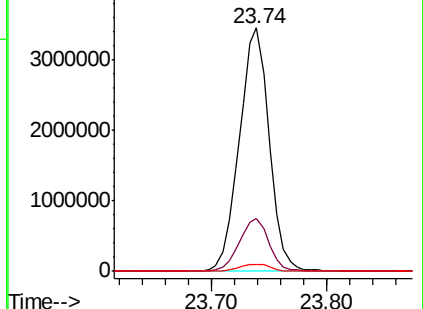
125 2.8 7.4 11.2#



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: 57.010 ng

RT: 26.16 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

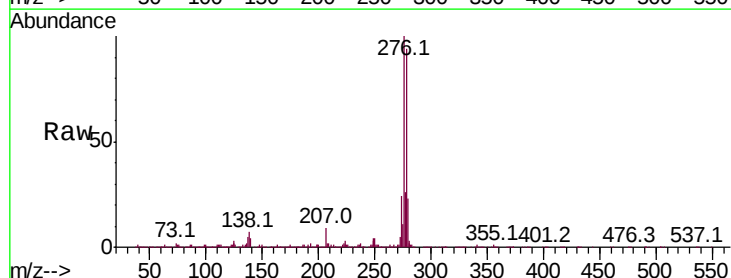
Tgt Ion:278 Resp: 6461833

Ion Ratio Lower Upper

278 100

139 4.1 13.4 20.0#

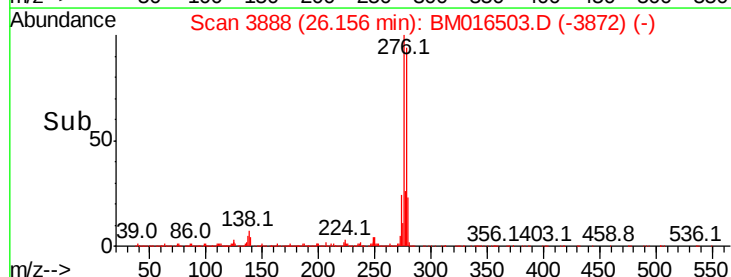
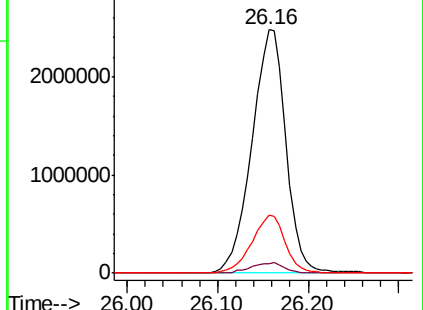
279 24.0 19.0 28.4

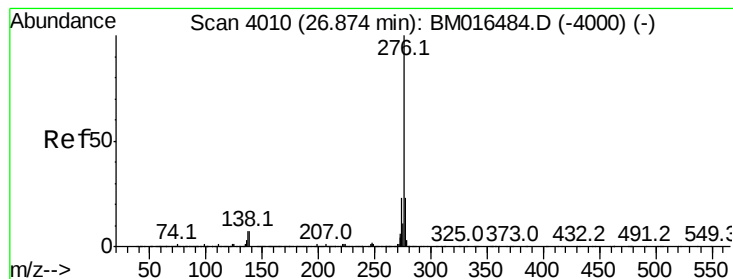


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 57.262 ng

RT: 26.87 min Scan# 4009

Delta R.T. -0.01 min

Lab File: BM016503.D

Acq: 22 Aug 2018 02:55

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:276 Resp: 5826038

Ion Ratio Lower Upper

276 100

277 23.2 18.5 27.7

138 5.7 19.0 28.6#

