

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020718\  
 Data File : BM014170.D  
 Acq On : 07 Feb 2018 20:43  
 Operator : SJ/JU  
 Sample : J1161-01  
 Misc : LOD 8 PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Feb 08 07:16:49 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 17:16:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 76205    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.32 | 136  | 344647   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.20 | 164  | 230697   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.96 | 188  | 587601   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.16 | 240  | 688860   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.34 | 264  | 610893   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.16  | 112 | 595775  | 136.27 | ng | 0.00 |
| 7) Phenol-d6             | 6.73  | 99  | 829935  | 134.03 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.70  | 82  | 795605  | 103.11 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.70 | 330 | 463472  | 141.58 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.81 | 172 | 1856640 | 100.46 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.60 | 244 | 3401513 | 96.48  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 15308  | 8.52  | ng | # 100  |
| 3) Pyridine                    | 3.54  | 79  | 32960  | 6.62  | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.46  | 42  | 22338  | 7.05  | ng | # 47   |
| 6) Aniline                     | 6.89  | 93  | 59013  | 7.48  | ng | 91     |
| 8) 2-Chlorophenol              | 7.11  | 128 | 35502  | 7.14  | ng | 98     |
| 9) Benzaldehyde                | 6.71  | 77  | 24729  | 5.55  | ng | 90     |
| 10) Phenol                     | 6.76  | 94  | 46274  | 7.57  | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93  | 35503  | 7.35  | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.43  | 146 | 44402  | 7.15  | ng | # 86   |
| 13) 1,4-Dichlorobenzene        | 7.57  | 146 | 46533  | 7.46  | ng | 91     |
| 14) 1,2-Dichlorobenzene        | 7.89  | 146 | 45701  | 7.28  | ng | # 91   |
| 15) Benzyl Alcohol             | 7.80  | 79  | 36171  | 6.30  | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.07  | 45  | 36375  | 7.40  | ng | 88     |
| 17) 2-Methylphenol             | 8.00  | 107 | 31283  | 6.69  | ng | # 76   |
| 18) Hexachloroethane           | 8.59  | 117 | 20311  | 7.53  | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.35  | 70  | 38134  | 7.15  | ng | # 96   |
| 20) 3+4-Methylphenols          | 8.34  | 107 | 41999  | 6.20  | ng | # 79   |
| 22) Acetophenone               | 8.37  | 105 | 70919  | 7.16  | ng | # 85   |
| 24) Nitrobenzene               | 8.75  | 77  | 64113  | 8.07  | ng | 92     |
| 25) Isophorone                 | 9.26  | 82  | 89467  | 7.00  | ng | # 91   |
| 26) 2-Nitrophenol              | 9.46  | 139 | 20165  | 6.73  | ng | # 62   |
| 27) 2,4-Dimethylphenol         | 9.52  | 122 | 30004  | 6.57  | ng | # 70   |
| 28) bis(2-Chloroethoxy)methane | 9.76  | 93  | 45834  | 6.99  | ng | 94     |
| 29) 2,4-Dichlorophenol         | 10.00 | 162 | 32116  | 6.29  | ng | 82     |
| 30) 1,2,4-Trichlorobenzene     | 10.19 | 180 | 48272  | 7.17  | ng | 89     |
| 31) Naphthalene                | 10.36 | 128 | 132427 | 7.02  | ng | 97     |
| 32) Benzoic acid               | 9.73  | 122 | 392    | 6.27  | ng | # 70   |
| 33) 4-Chloroaniline            | 10.51 | 127 | 49088  | 6.26  | ng | # 81   |
| 34) Hexachlorobutadiene        | 10.64 | 225 | 31425  | 6.81  | ng | # 84   |
| 35) Caprolactam                | 11.28 | 113 | 10203  | 5.59  | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 11.64 | 107 | 40224  | 6.36  | ng | 92     |
| 37) 2-Methylnaphthalene        | 11.99 | 142 | 96620  | 6.80  | ng | # 91   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 59689  | 7.38  | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.33 | 237 | 20635  | 10.19 | ng | 91     |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020718\  
 Data File : BM014170.D  
 Acq On : 07 Feb 2018 20:43  
 Operator : SJ/JU  
 Sample : J1161-01  
 Misc : LOD 8 PPM  
 ALS Vial : 6 Sample Multiplier: 1

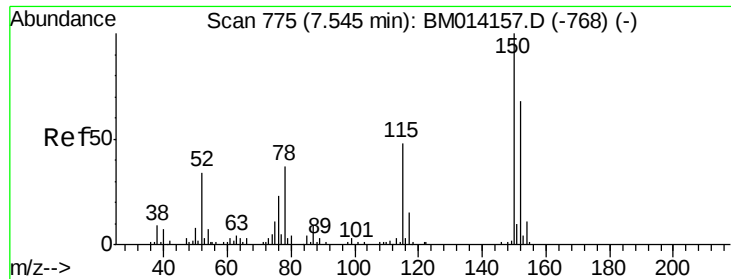
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Feb 08 07:16:49 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 17:16:49 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.63 | 196  | 31307    | 6.59  | nq    | # 92     |
| 43) 2,4,5-Trichlorophenol      | 12.72 | 196  | 36004    | 6.87  | nq    | # 86     |
| 45) 1,1'-Biphenyl              | 13.03 | 154  | 146840   | 7.35  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 13.06 | 162  | 110019   | 7.25  | nq    | # 88     |
| 47) 2-Nitroaniline             | 13.30 | 65   | 35610    | 6.38  | nq    | # 72     |
| 48) Acenaphthylene             | 13.92 | 152  | 180812   | 7.27  | nq    | 96       |
| 49) Dimethylphthalate          | 13.67 | 163  | 156116   | 7.56  | nq    | # 95     |
| 50) 2,6-Dinitrotoluene         | 13.80 | 165  | 31584    | 7.45  | nq    | # 57     |
| 51) Acenaphthene               | 14.26 | 154  | 111733   | 7.29  | nq    | 96       |
| 52) 3-Nitroaniline             | 14.15 | 138  | 25317    | 5.78  | nq    | # 59     |
| 53) 2,4-Dinitrophenol          | 14.38 | 184  | 6820     | 10.23 | nq    | # 72     |
| 54) Dibenzofuran               | 14.60 | 168  | 173781   | 7.25  | nq    | # 83     |
| 55) 4-Nitrophenol              | 14.47 | 139  | 12163    | 9.04  | nq    | # 60     |
| 56) 2,4-Dinitrotoluene         | 14.61 | 165  | 41214    | 6.30  | nq    | # 70     |
| 57) Fluorene                   | 15.26 | 166  | 148138   | 7.03  | nq    | 93       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 33962    | 6.58  | nq    | # 100    |
| 59) Diethylphthalate           | 15.04 | 149  | 170731   | 7.45  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.26 | 204  | 80960    | 7.39  | nq    | 93       |
| 61) 4-Nitroaniline             | 15.32 | 138  | 26032    | 5.93  | nq    | # 2      |
| 62) Azobenzene                 | 15.55 | 77   | 180318   | 7.57  | nq    | 78       |
| 64) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 19538    | 9.86  | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 15.47 | 169  | 127659   | 6.88  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.15 | 248  | 49063    | 7.12  | nq    | # 82     |
| 67) Hexachlorobenzene          | 16.26 | 284  | 54062    | 7.15  | nq    | # 78     |
| 68) Atrazine                   | 16.44 | 200  | 39860    | 5.73  | nq    | 97       |
| 69) Pentachlorophenol          | 16.62 | 266  | 23773    | 10.19 | nq    | 91       |
| 70) Phenanthrene               | 17.00 | 178  | 256939   | 7.25  | nq    | 97       |
| 71) Anthracene                 | 17.09 | 178  | 245986   | 7.12  | nq    | 99       |
| 72) Carbazole                  | 17.38 | 167  | 209108   | 6.44  | nq    | 99       |
| 73) Di-n-butylphthalate        | 17.93 | 149  | 289407   | 6.97  | nq    | # 97     |
| 74) Fluoranthene               | 19.03 | 202  | 306156   | 7.34  | nq    | 98       |
| 76) Benzidine                  | 19.23 | 184  | 45144    | 2.20  | nq    | # 94     |
| 77) Pyrene                     | 19.40 | 202  | 318574   | 6.66  | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.31 | 149  | 121995   | 5.66  | nq    | # 82     |
| 80) Benzo(a)anthracene         | 21.15 | 228  | 322211   | 7.20  | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 100071   | 5.98  | nq    | # 93     |
| 82) Chrysene                   | 21.20 | 228  | 314287   | 7.24  | nq    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.09 | 149  | 180351   | 5.74  | nq    | 96       |
| 84) Di-n-octyl phthalate       | 21.95 | 149  | 270413   | 6.21  | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 264977   | 7.76  | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 22.70 | 252  | 285917   | 6.75  | nq    | # 93     |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 300612   | 7.46  | nq    | # 98     |
| 89) Benzo(a)pyrene             | 23.24 | 252  | 262987   | 7.04  | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 25.52 | 278  | 220606   | 7.23  | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 26.18 | 276  | 204883   | 7.18  | nq    | # 91     |

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



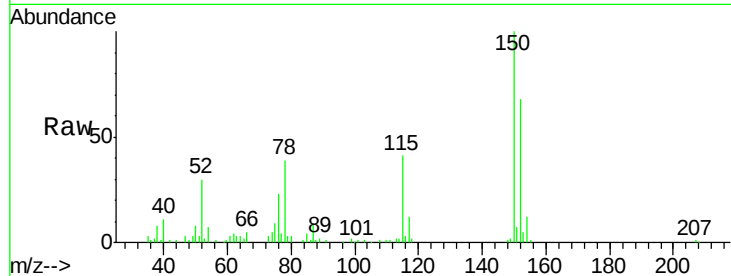


#1

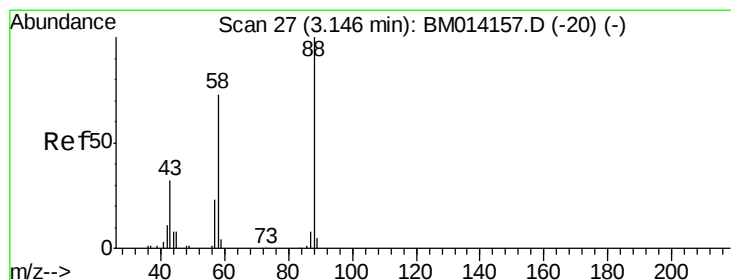
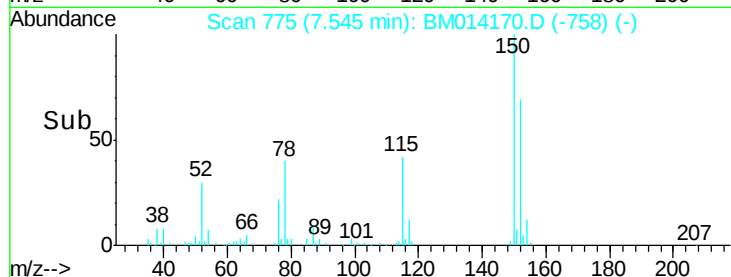
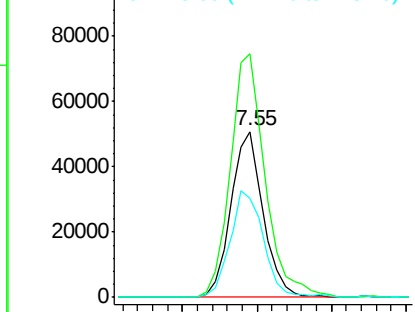
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.55 min Scan# 775  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:152 Resp: 76205  
Ion Ratio Lower Upper  
152 100  
150 146.9 119.5 179.3  
115 60.1 43.0 64.4



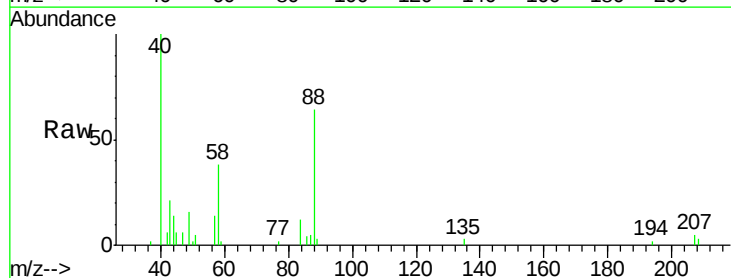
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



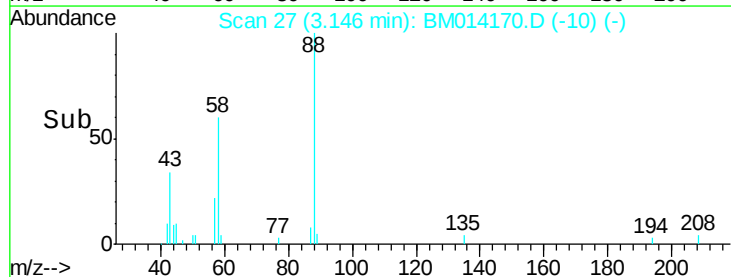
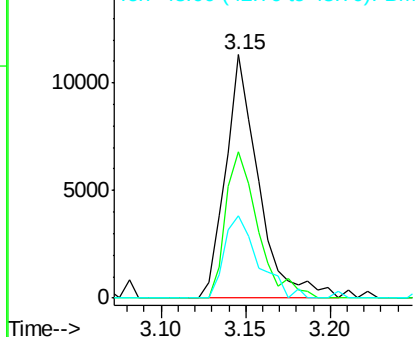
#2

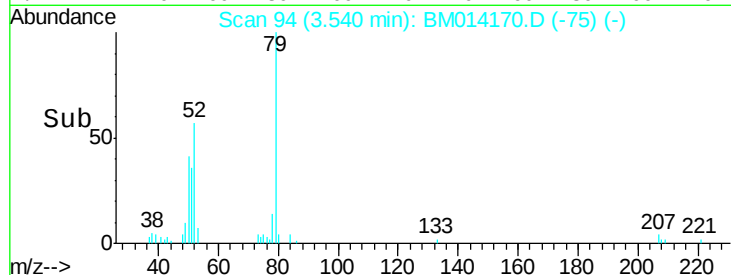
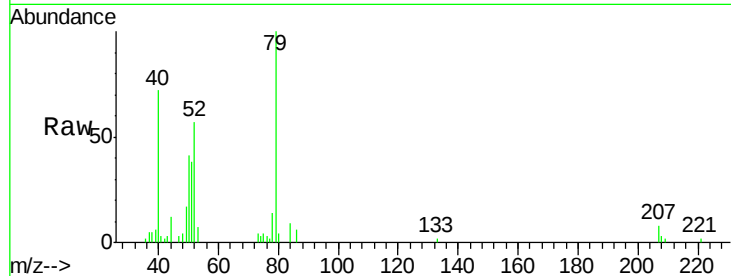
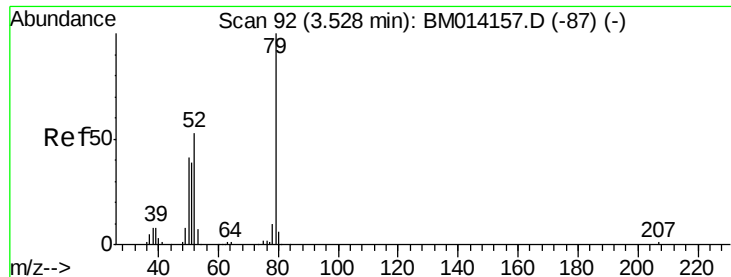
1,4-Dioxane  
Concen: 8.52 ng  
RT: 3.15 min Scan# 27  
Delta R.T. 0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion: 88 Resp: 15308  
Ion Ratio Lower Upper  
88 100  
58 58.9 0.0 0.0#  
43 34.6 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0

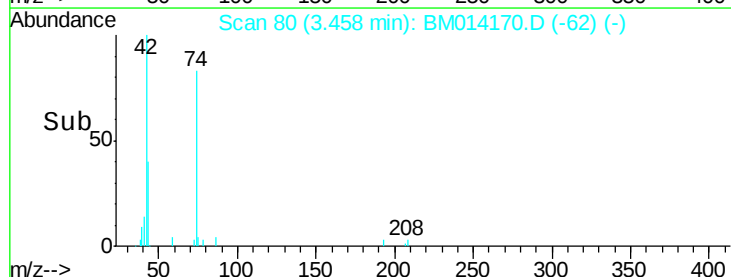
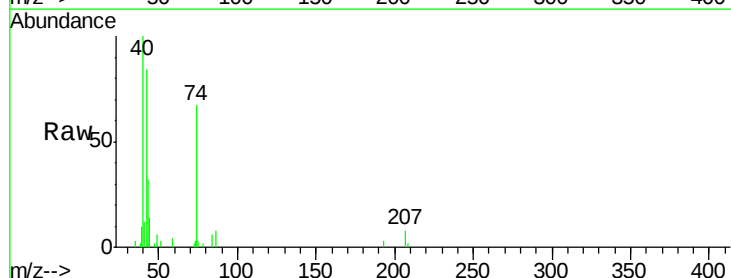
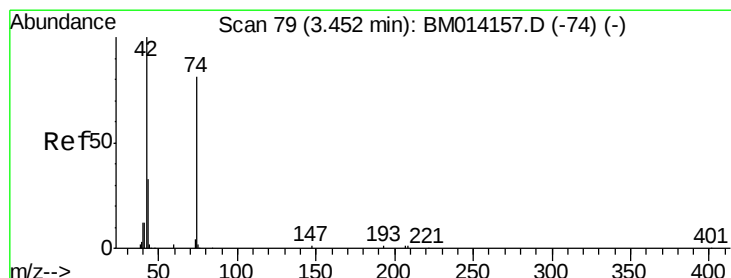
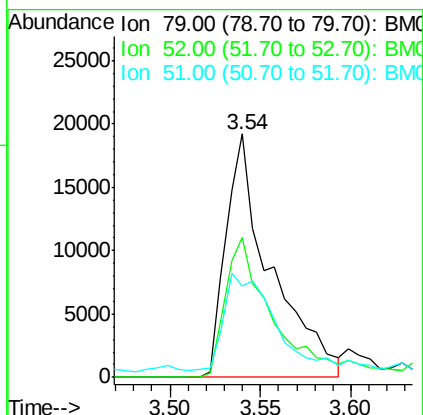




#3  
 Pvridine  
 Concen: 6.62 ng  
 RT: 3.54 min Scan# 94  
 Delta R.T. 0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

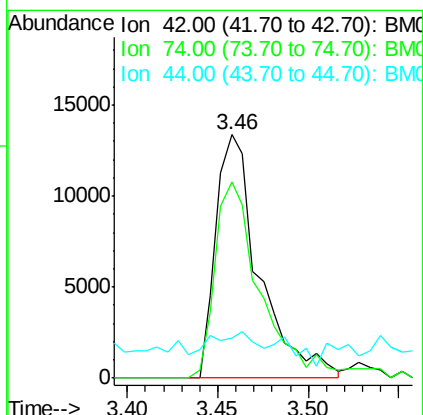
Instrument :  
 BNA\_M  
 ClientSampled :

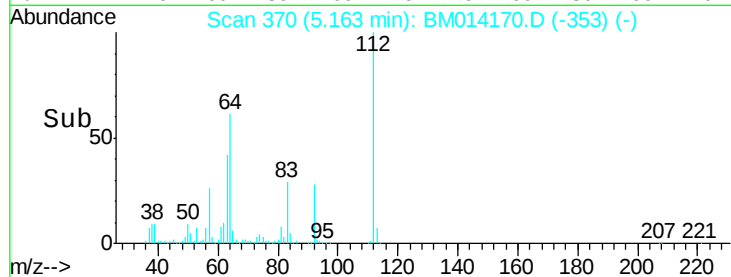
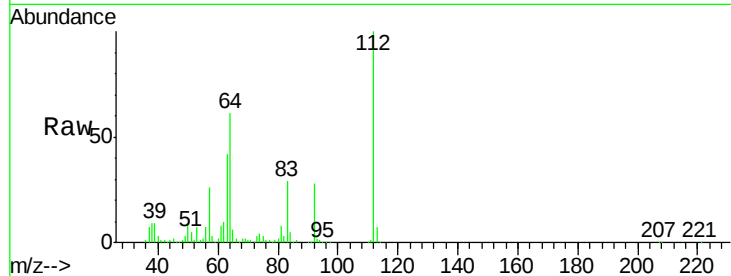
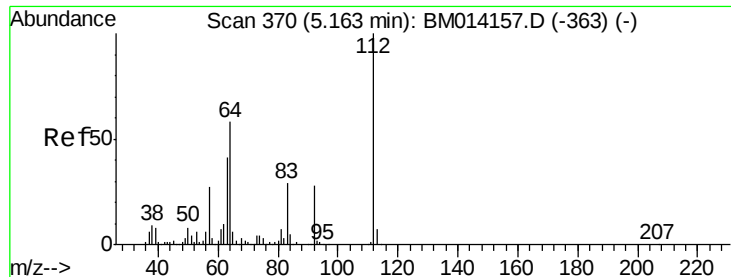
| Tot Ion   | 79    | Resp  | 32960 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 57.2  | 51.1  | 76.7  |
| 51        | 37.7  | 26.1  | 39.1  |



#4  
 n-Nitrosodimethylamine  
 Concen: 7.05 ng  
 RT: 3.46 min Scan# 80  
 Delta R.T. 0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion   | 42    | Resp  | 22338  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 80.6  | 119.3 | 178.9# |
| 44        | 16.6  | 5.4   | 8.2#   |





#5

2-Fluorophenol

Concen: 136.27 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

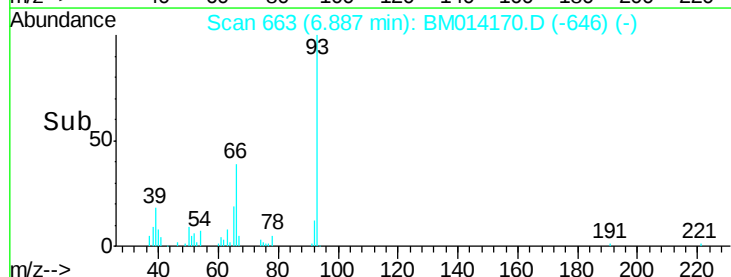
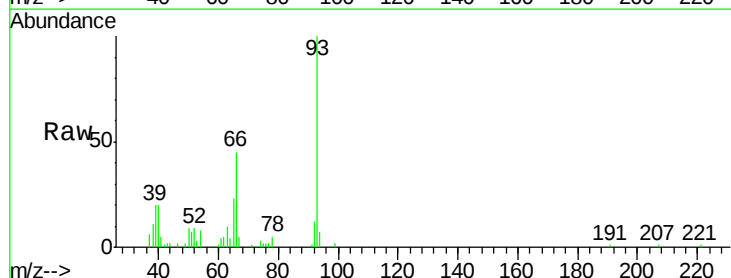
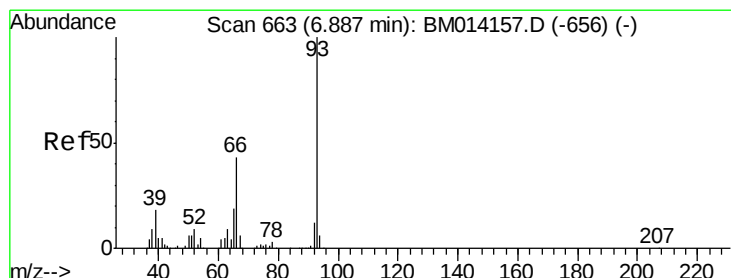
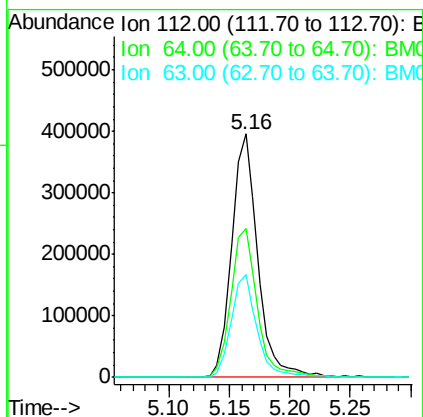
Tot Ion:112 Resp: 595775

Ion Ratio Lower Upper

112 100

64 60.9 38.6 57.8#

63 42.0 19.3 28.9#



#6

Aniline

Concen: 7.48 ng

RT: 6.89 min Scan# 663

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

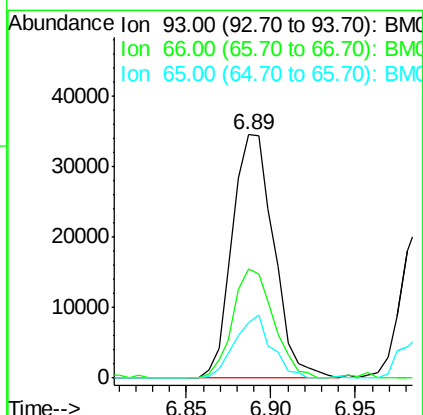
Tgt Ion: 93 Resp: 59013

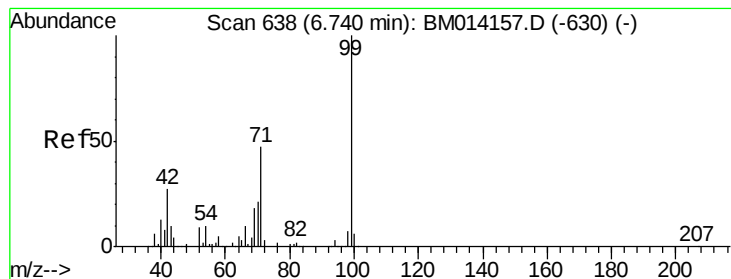
Ion Ratio Lower Upper

93 100

66 44.6 30.8 46.2

65 22.9 16.0 24.0





#7

Phenol-d6

Concen: 134.03 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

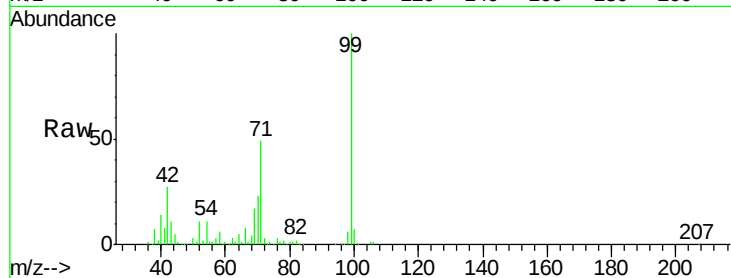
Tot Ion: 99 Resp: 829935

Ion Ratio Lower Upper

99 100

42 27.5 11.0 16.4#

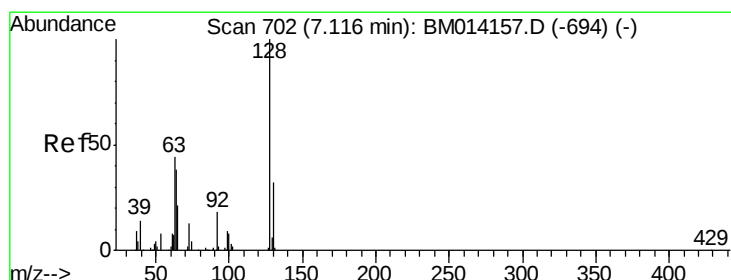
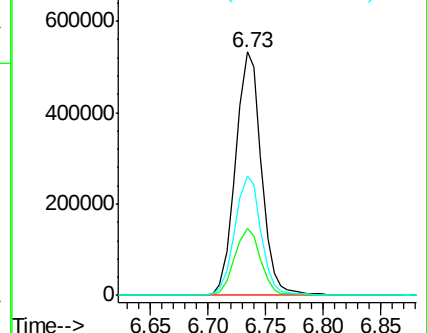
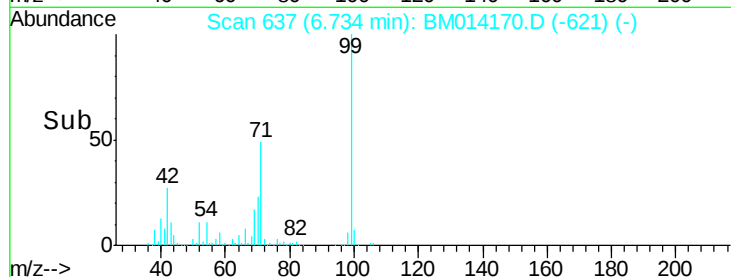
71 48.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM014170.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM014170.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM014170.D (-630) (-)



#8

2-Chlorophenol

Concen: 7.14 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

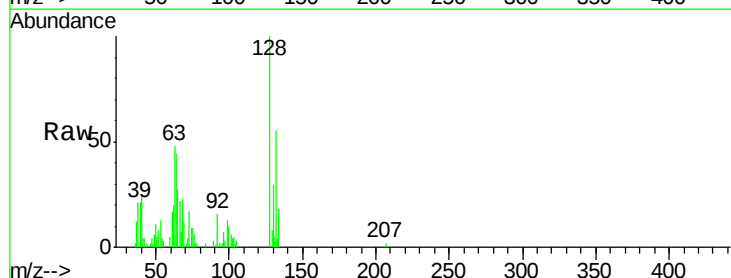
Tgt Ion: 128 Resp: 35502

Ion Ratio Lower Upper

128 100

130 30.4 12.0 52.0

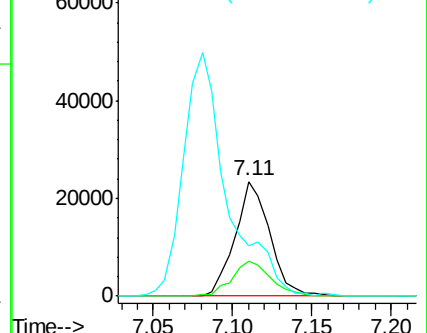
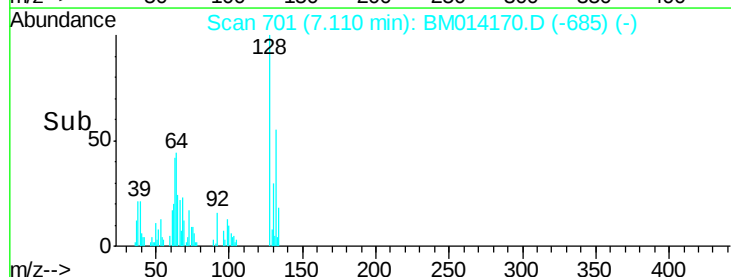
64 44.4 24.9 64.9

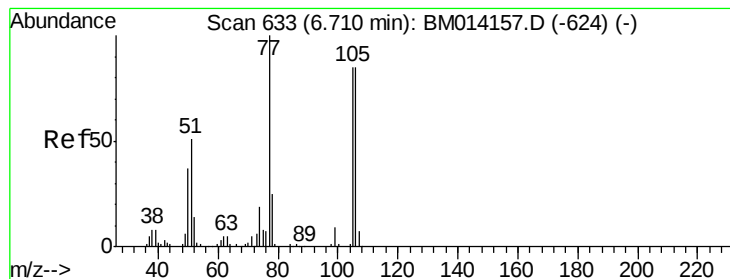


Abundance Ion 128.00 (127.70 to 128.70): BM014170.D (-685) (-)

Ion 130.00 (129.70 to 130.70): BM014170.D (-685) (-)

Ion 64.00 (63.70 to 64.70): BM014170.D (-685) (-)





#9

Benzaldehyde

Concen: 5.55 ng

RT: 6.71 min Scan# 633

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

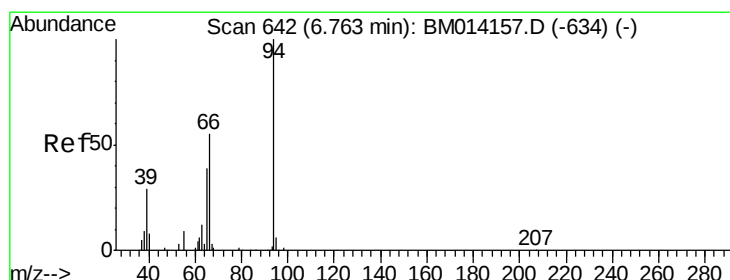
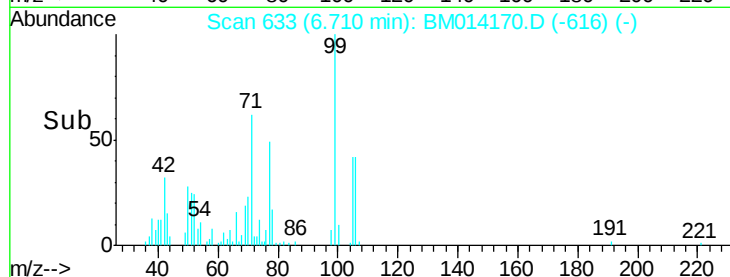
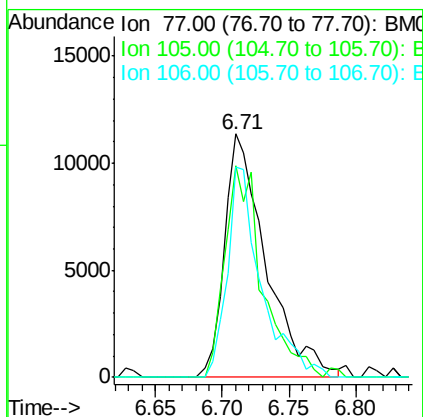
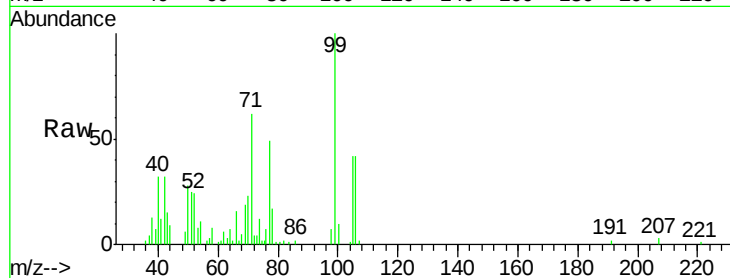
Tot Ion: 77 Resp: 24729

Ion Ratio Lower Upper

77 100

105 86.8 78.8 118.8

106 86.4 73.7 113.7



#10

Phenol

Concen: 7.57 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

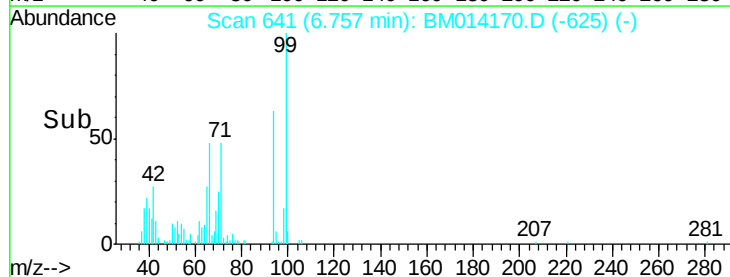
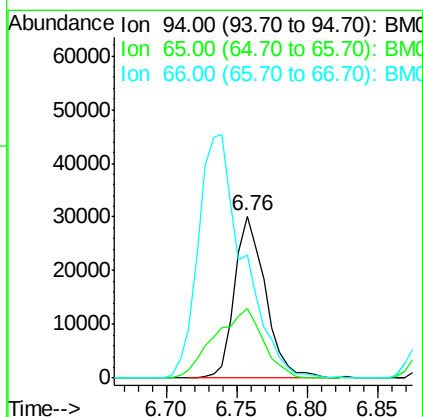
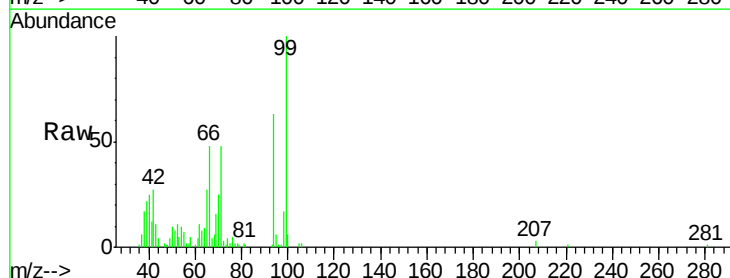
Tgt Ion: 94 Resp: 46274

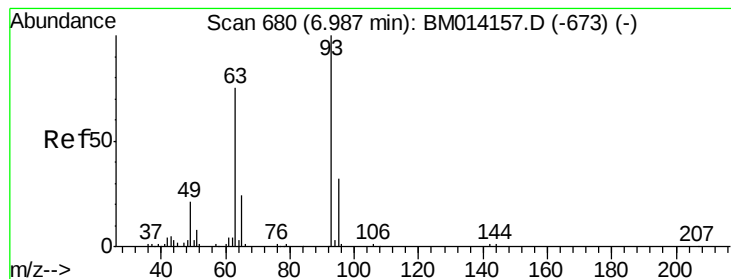
Ion Ratio Lower Upper

94 100

65 42.7 18.8 58.8

66 76.3 39.9 79.9





#11

bis(2-Chloroethyl)ether

Concen: 7.35 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

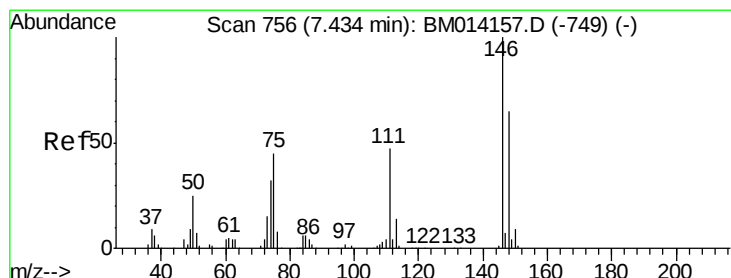
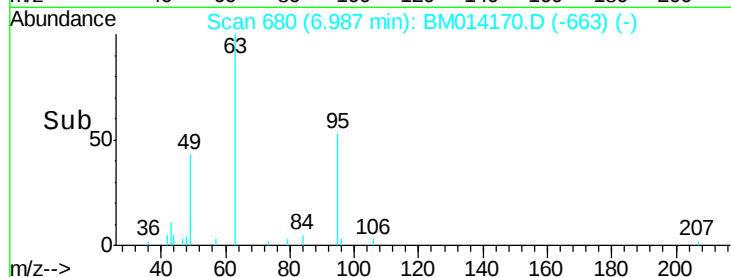
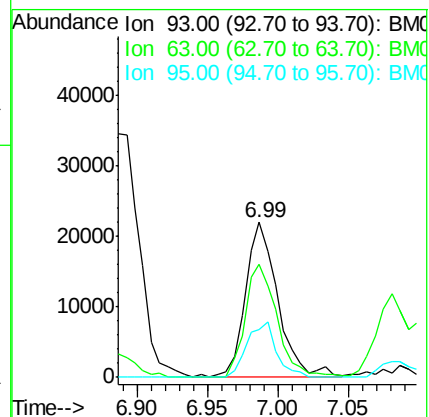
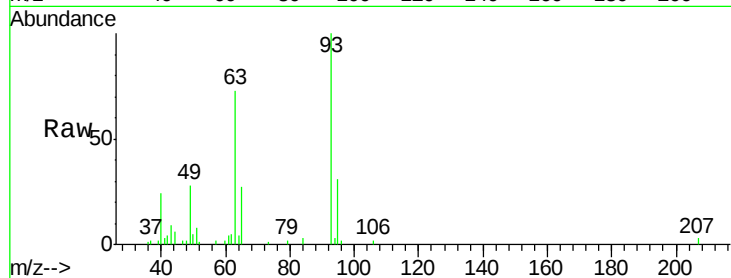
Tot Ion: 93 Resp: 35503

Ion Ratio Lower Upper

93 100

63 73.3 49.5 89.5

95 30.8 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 7.15 ng

RT: 7.43 min Scan# 756

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

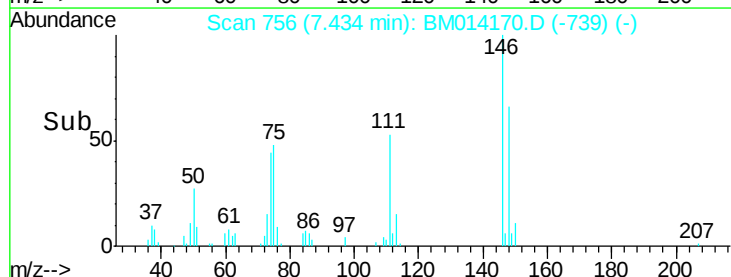
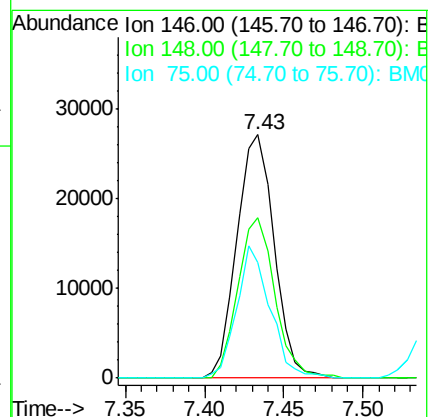
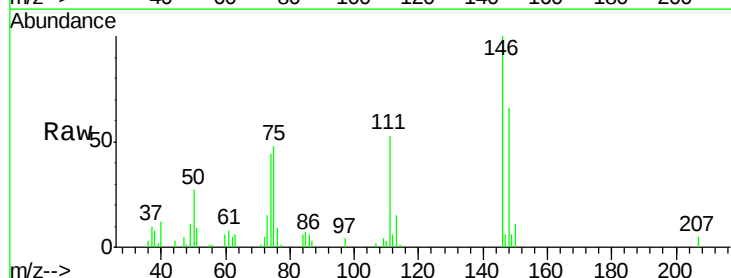
Tgt Ion: 146 Resp: 44402

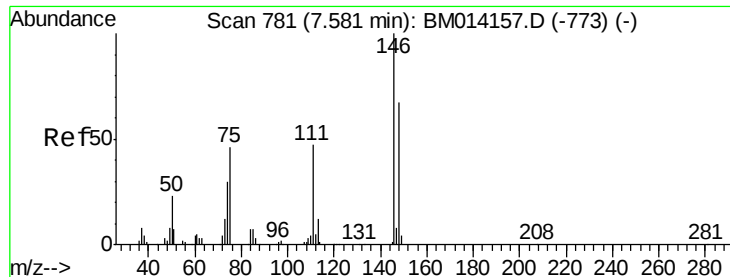
Ion Ratio Lower Upper

146 100

148 65.6 50.9 76.3

75 47.7 21.4 32.2#

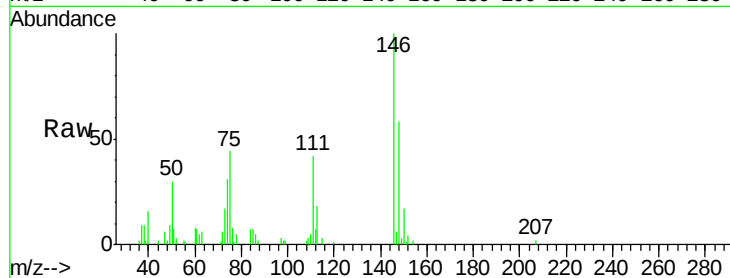




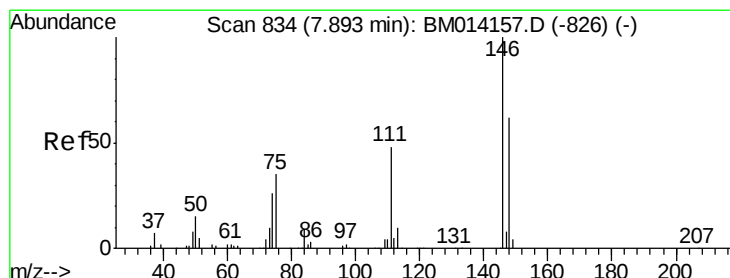
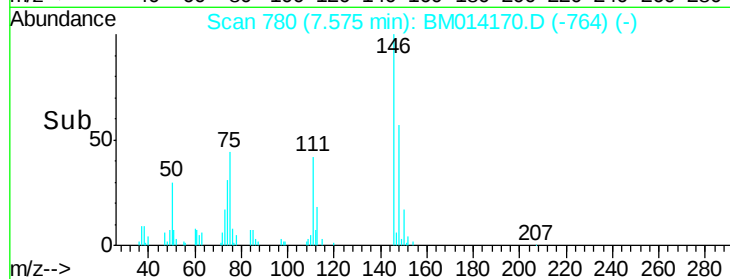
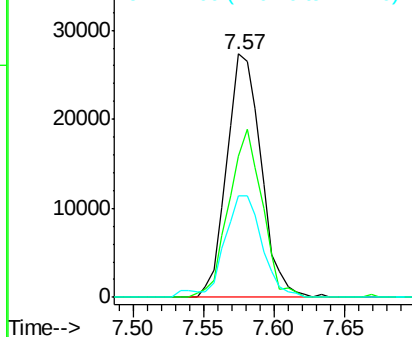
#13  
 1,4-Dichlorobenzene  
 Concen: 7.46 ng  
 RT: 7.57 min Scan# 780  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:146 Resp: 46533  
 Ion Ratio Lower Upper  
 146 100  
 148 58.3 51.9 77.9  
 111 41.7 29.2 43.8

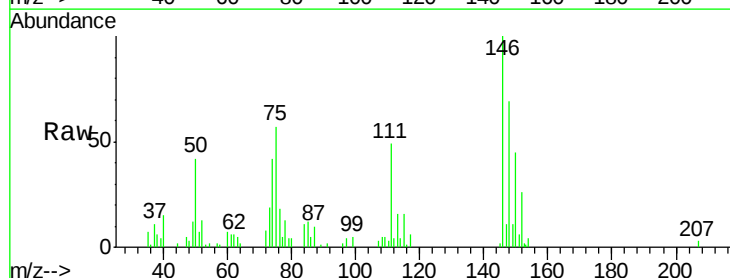


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

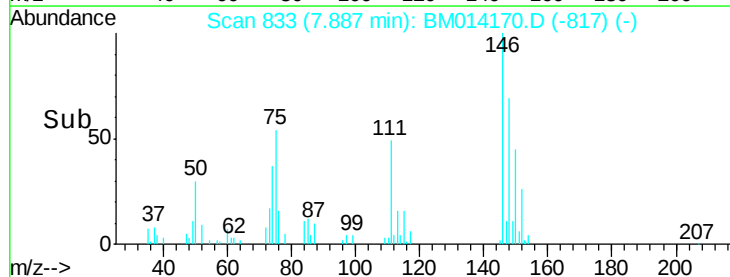
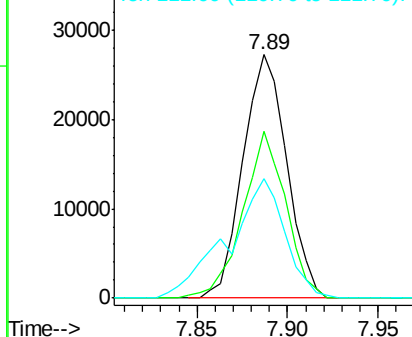


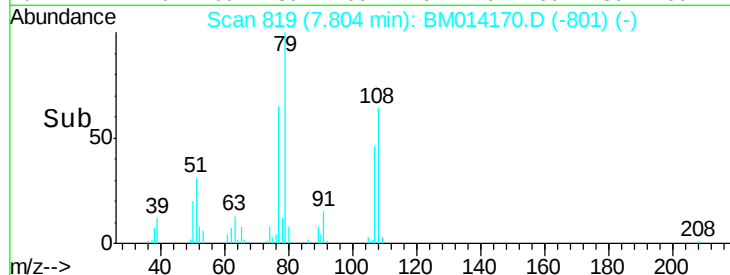
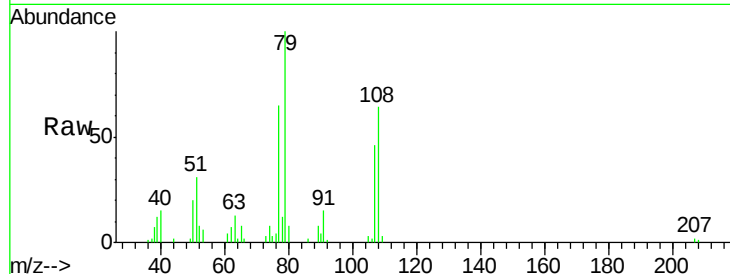
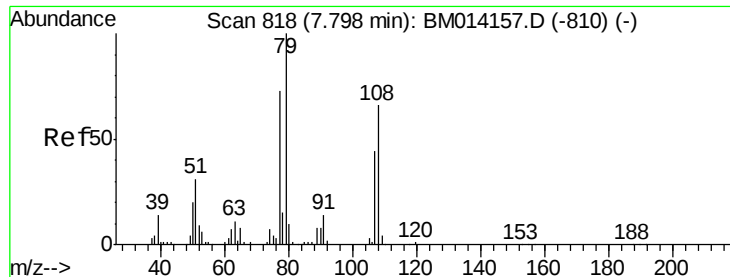
#14  
 1,2-Dichlorobenzene  
 Concen: 7.28 ng  
 RT: 7.89 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:146 Resp: 45701  
 Ion Ratio Lower Upper  
 146 100  
 148 68.6 52.3 78.5  
 111 49.2 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

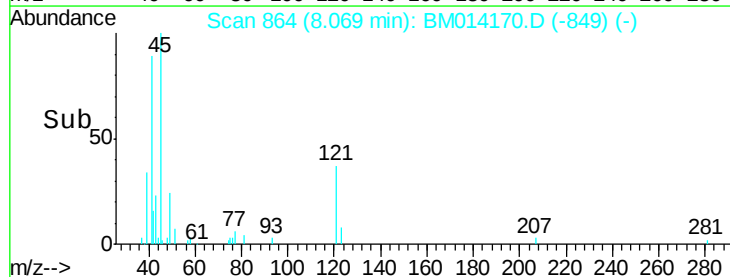
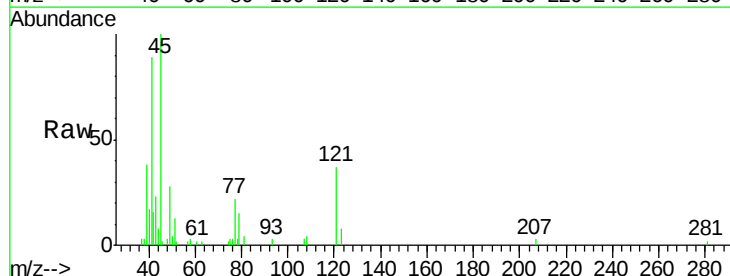
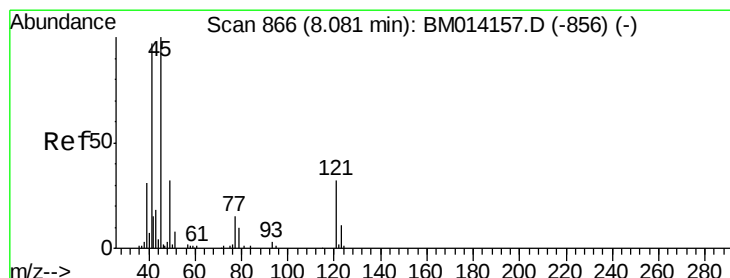
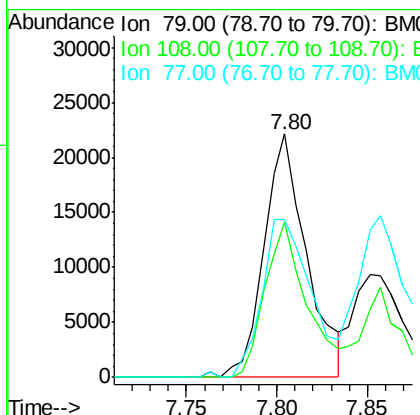




#15  
Benzvl Alcohol  
Concen: 6.30 ng  
RT: 7.80 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

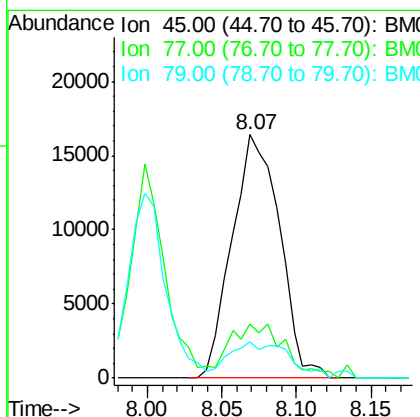
Instrument :  
BNA\_M  
ClientSampled :

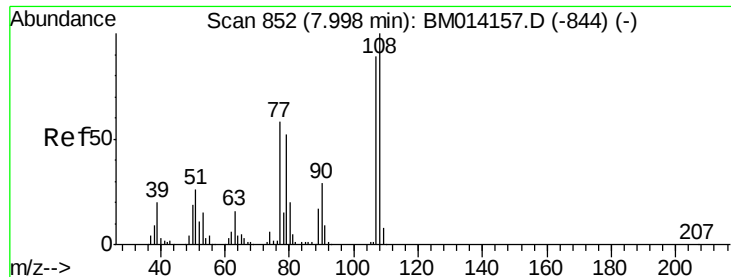
Tot Ion: 79 Resp: 36171  
Ion Ratio Lower Upper  
79 100  
108 63.8 65.0 97.4#  
77 64.8 53.0 79.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.40 ng  
RT: 8.07 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion: 45 Resp: 36375  
Ion Ratio Lower Upper  
45 100  
77 22.0 0.0 35.2  
79 14.9 0.0 32.0

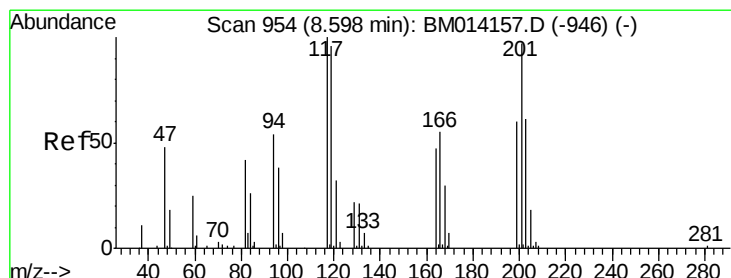
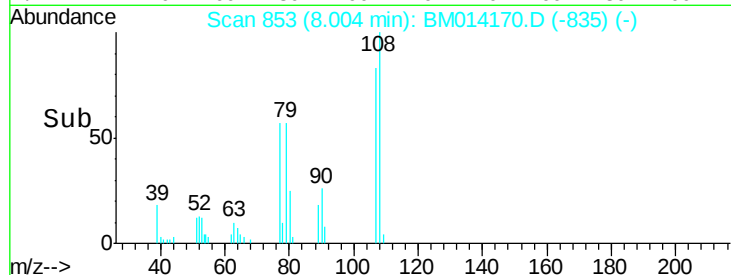
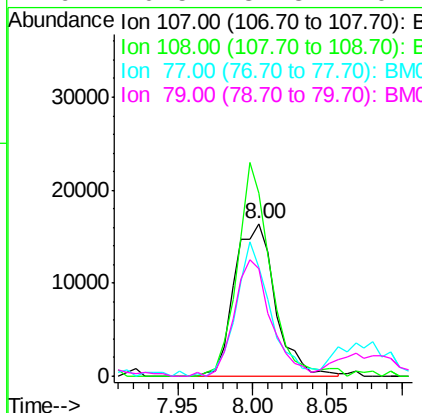
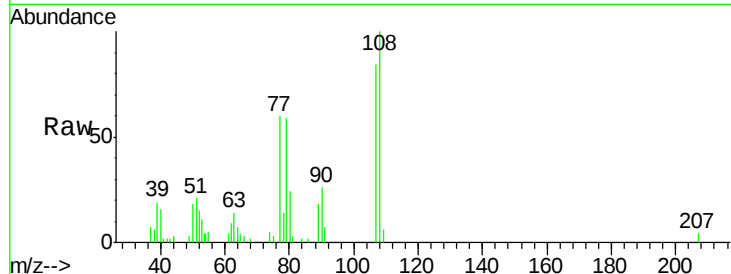




#17  
2-Methylphenol  
Concen: 6.69 ng  
RT: 8.00 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

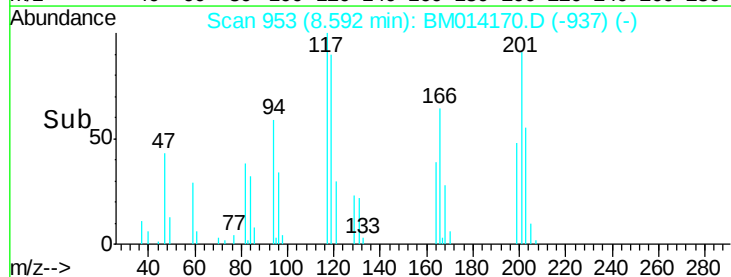
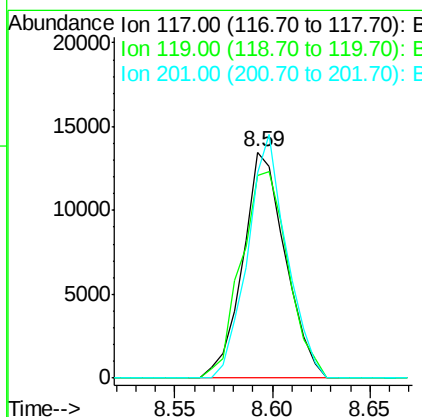
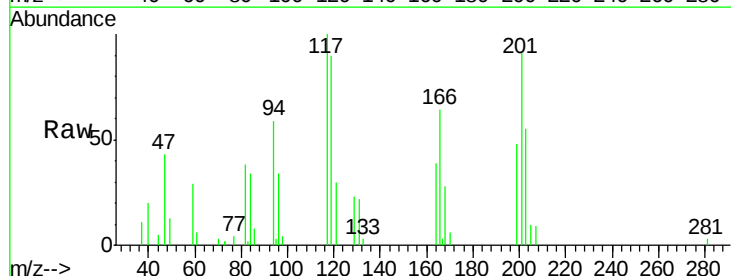
Instrument :  
BNA\_M  
ClientSampleId :

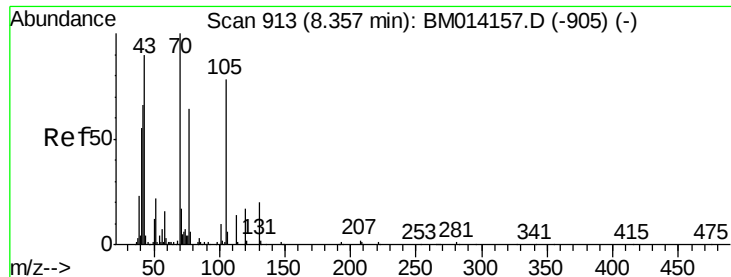
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 119.7 | 89.8  | 134.8 |
| 77      | 71.6  | 32.6  | 48.8  |
| 79      | 70.5  | 32.8  | 49.2  |



#18  
Hexachloroethane  
Concen: 7.53 ng  
RT: 8.59 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 89.6  | 79.2  | 118.8 |
| 201     | 91.1  | 69.8  | 104.6 |

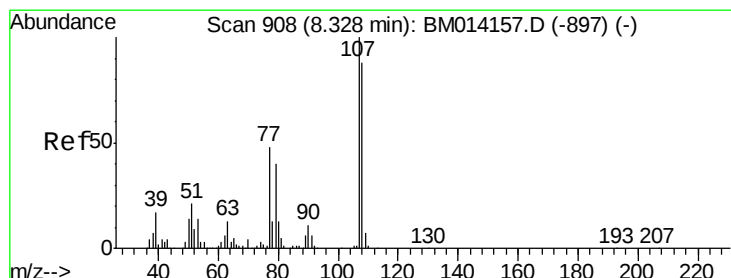
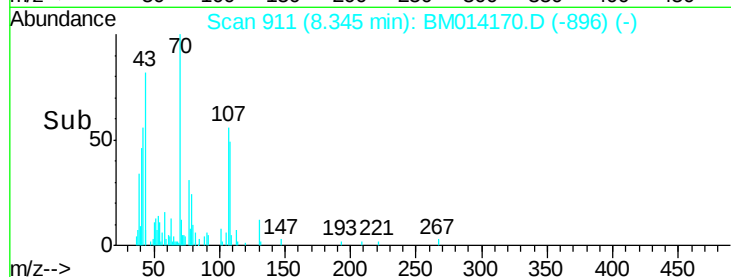
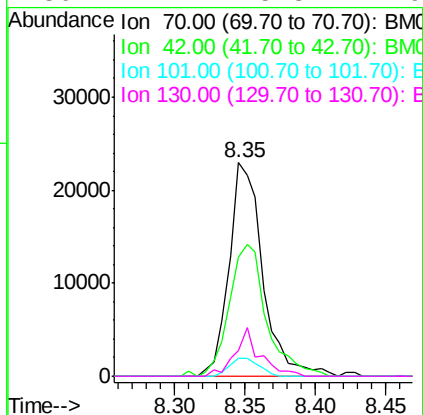
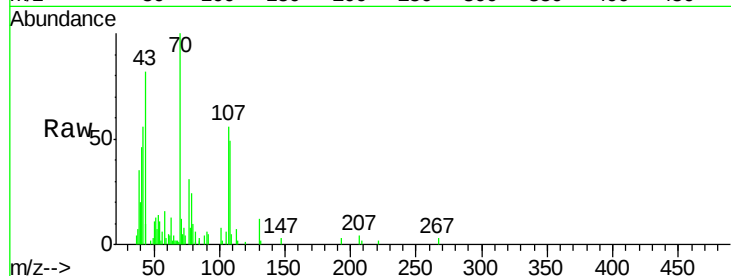




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.15 ng  
RT: 8.35 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

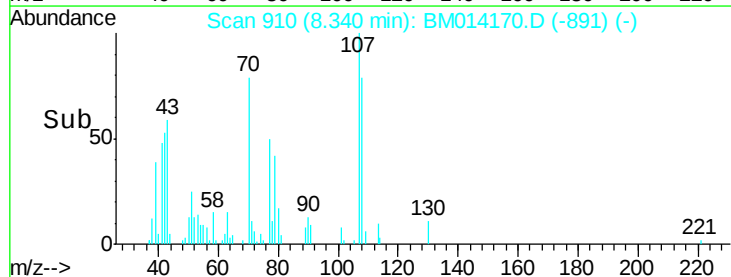
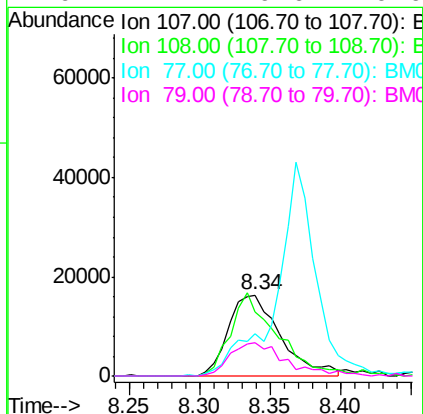
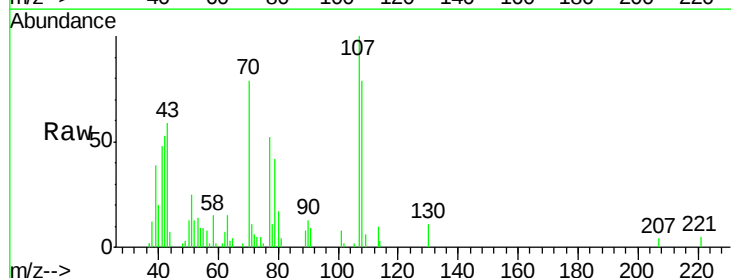
Instrument :  
BNA\_M  
ClientSampleId :

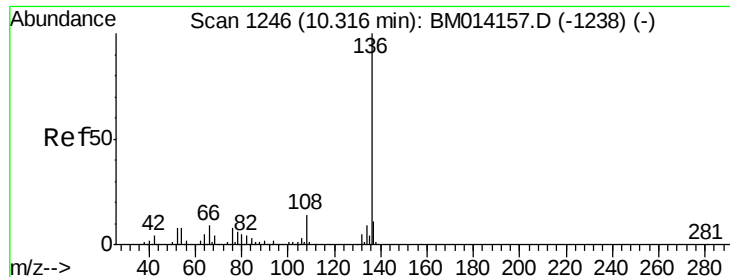
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 38134 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 56.0  | 44.5  | 66.7  |
| 101      | 8.2   | 7.4   | 11.2  |
| 130      | 12.2  | 15.3  | 22.9# |



#20  
3+4-Methylphenols  
Concen: 6.20 ng  
RT: 8.34 min Scan# 910  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 41999 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 78.9  | 73.2  | 113.2 |
| 77       | 52.3  | 10.7  | 50.7# |
| 79       | 41.7  | 9.6   | 49.6  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.32 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM014170.D

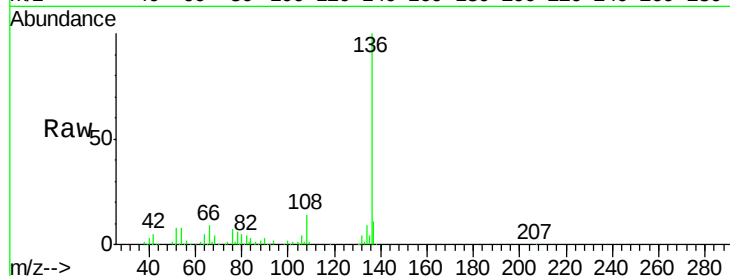
Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 344647   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.0  | 8.7 13.1 |
| 54          | 8.5   | 4.6 6.8# |
| 68          | 3.9   | 3.7 5.5  |

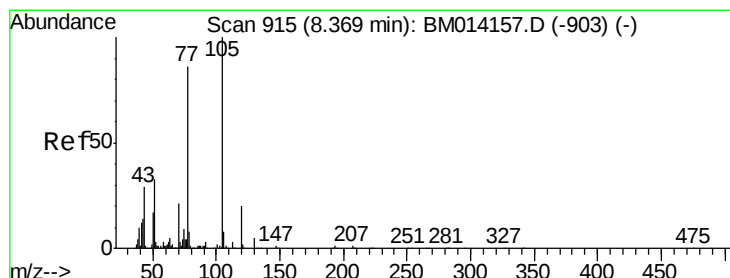
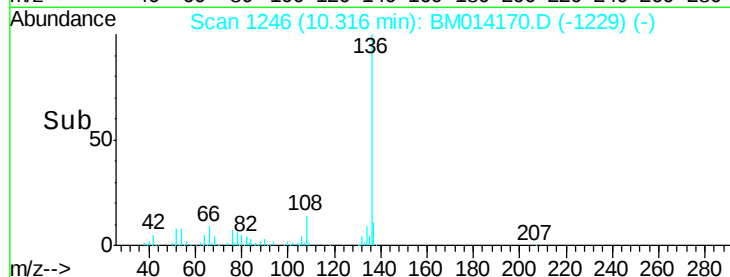
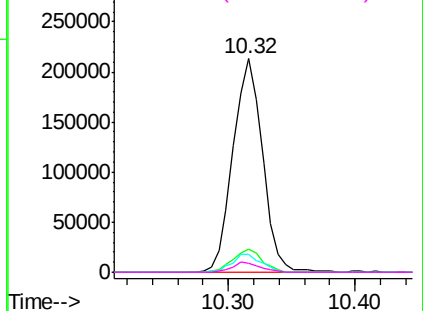


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 7.16 ng

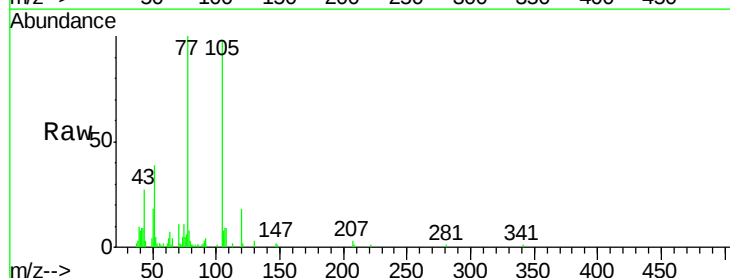
RT: 8.37 min Scan# 915

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 70919      |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 2.3   | 0.6 1.0#   |
| 51          | 39.2  | 21.6 32.4# |
| 120         | 18.3  | 16.1 24.1  |

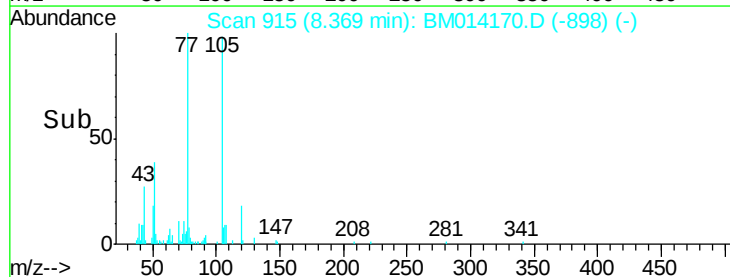
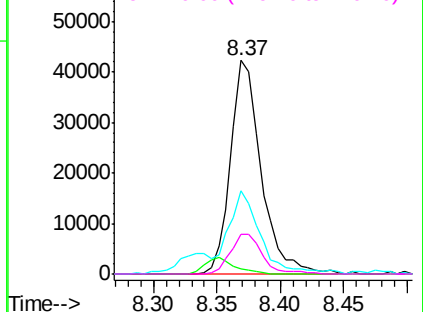


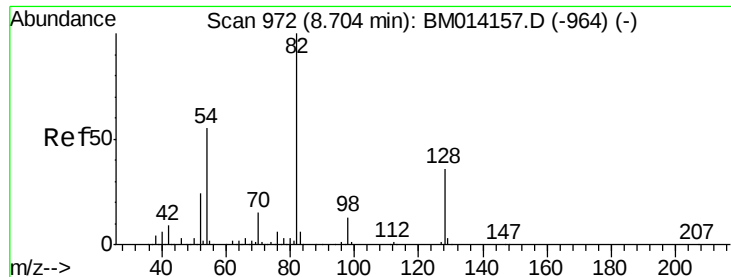
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

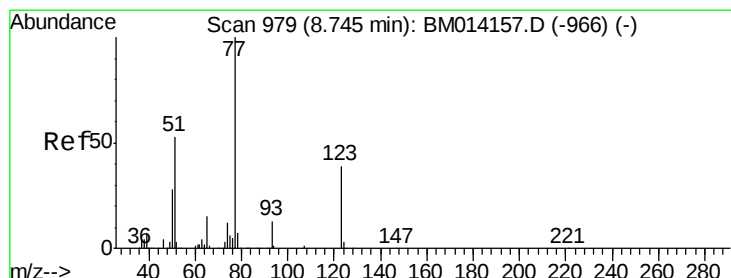
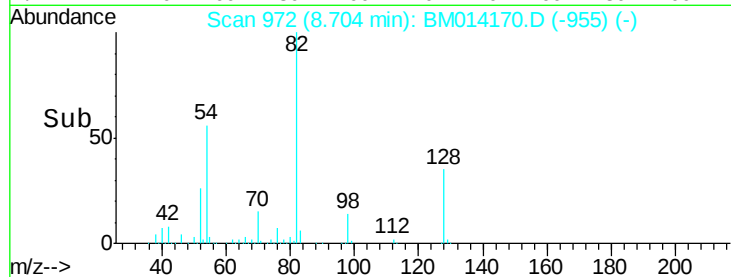
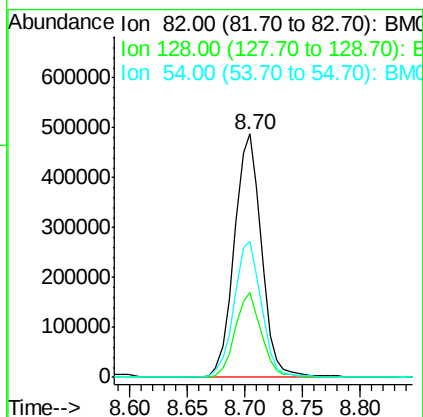
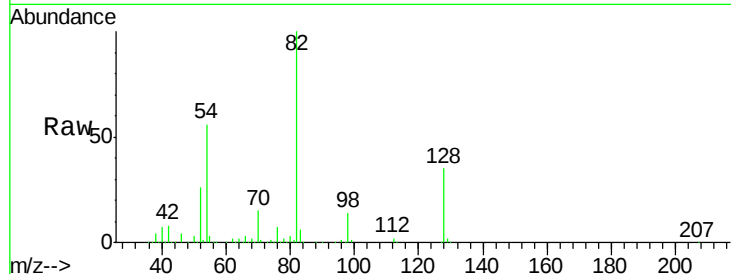




#23  
 Nitrobenzene-d5  
 Concen: 103.11 ng  
 RT: 8.70 min Scan# 972  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

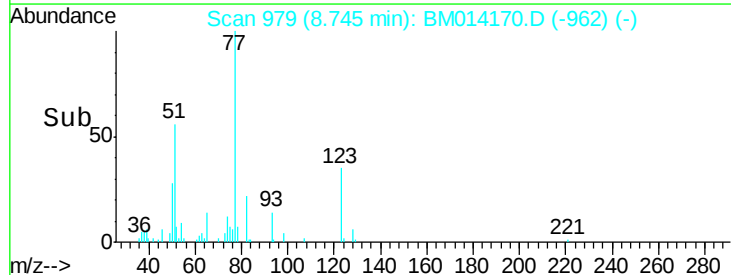
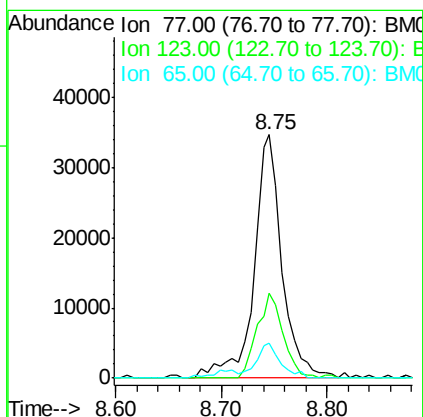
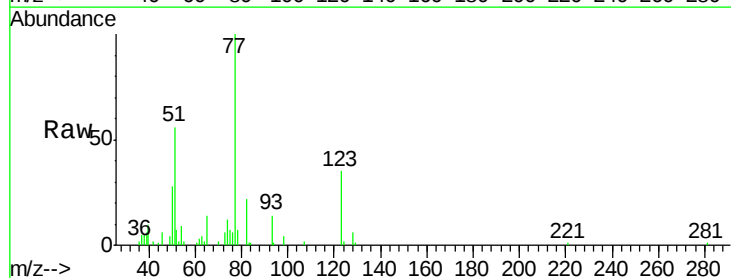
Instrument :  
 BNA\_M  
 ClientSampled :

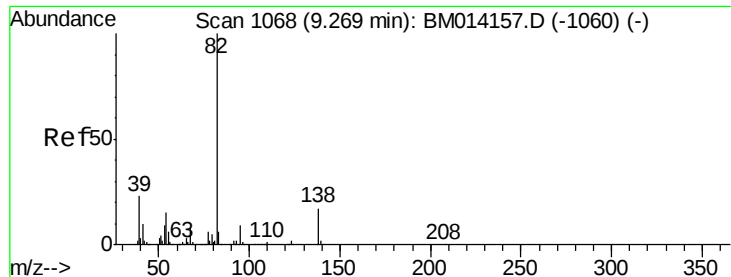
| Tot Ion   | 82   | Resp  | 795605 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.0 | 32.8  | 49.2   |
| 54        | 55.8 | 40.6  | 60.8   |



#24  
 Nitrobenzene  
 Concen: 8.07 ng  
 RT: 8.75 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion   | 77   | Resp  | 64113 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 34.8 | 32.6  | 49.0  |
| 65        | 14.1 | 10.9  | 16.3  |





#25

Isophorone

Concen: 7.00 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

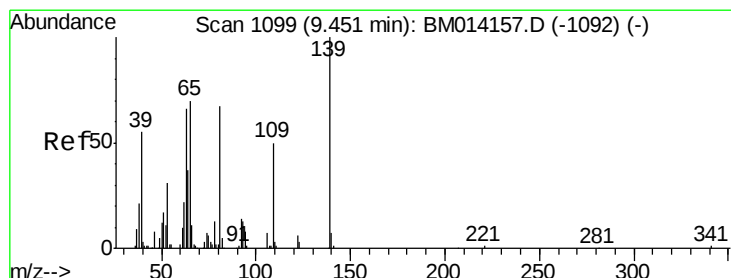
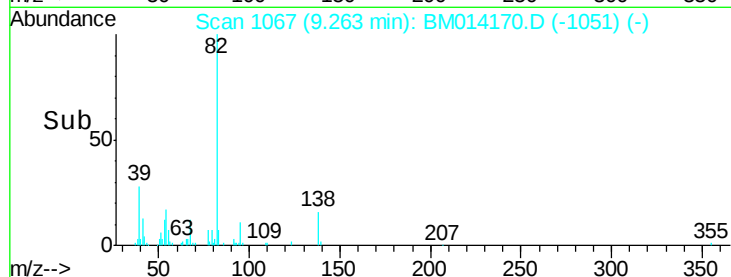
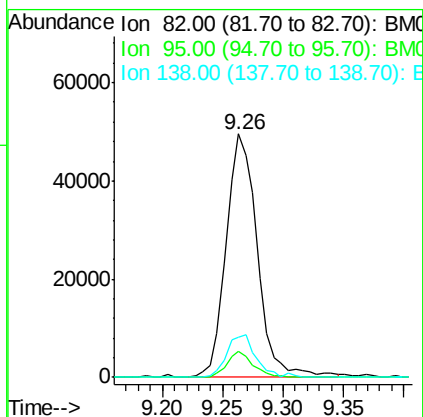
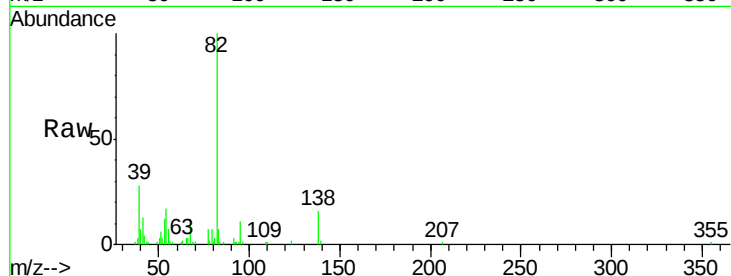
Tot Ion: 82 Resp: 89467

Ion Ratio Lower Upper

82 100

95 10.6 5.8 8.6#

138 16.3 16.3 24.5#



#26

2-Nitrophenol

Concen: 6.73 ng

RT: 9.46 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

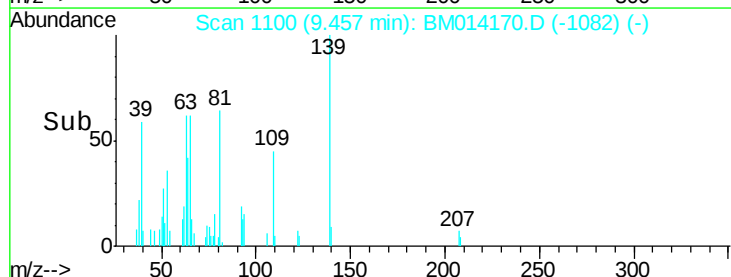
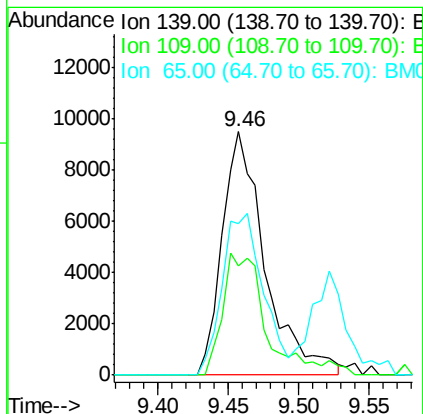
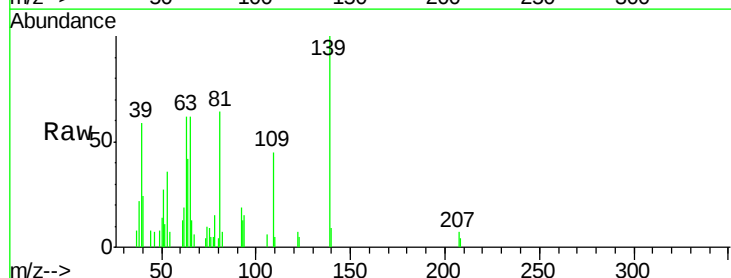
Tgt Ion: 139 Resp: 20165

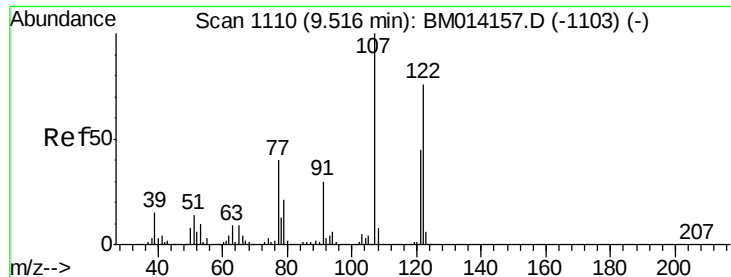
Ion Ratio Lower Upper

139 100

109 45.0 20.1 30.1#

65 62.3 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 6.57 ng

RT: 9.52 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

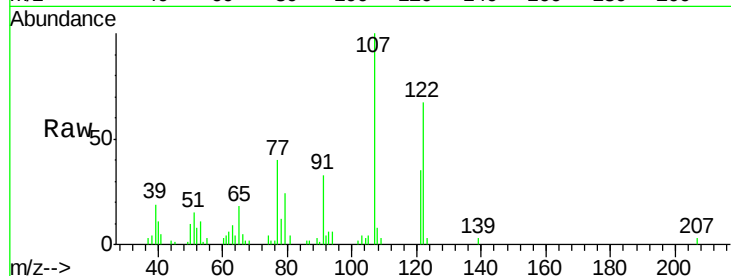
Tot Ion:122 Resp: 30004

Ion Ratio Lower Upper

122 100

107 150.2 84.7 127.1#

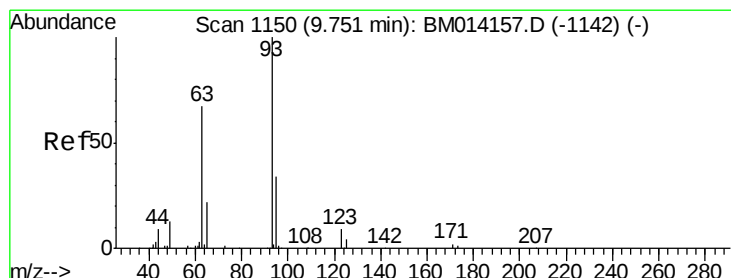
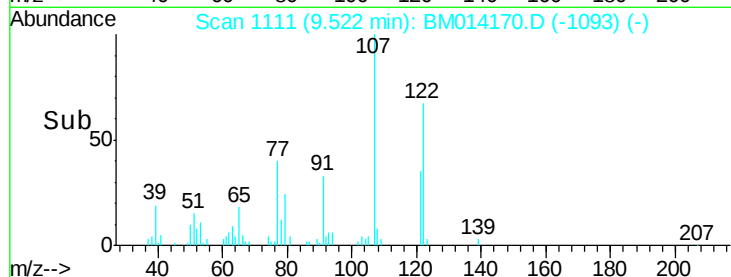
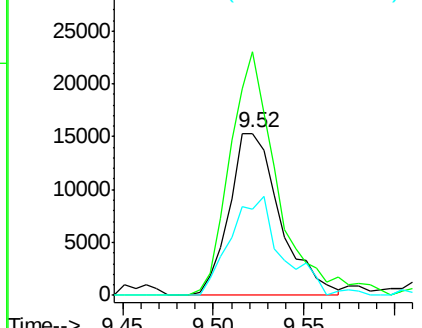
121 53.3 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.99 ng

RT: 9.76 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

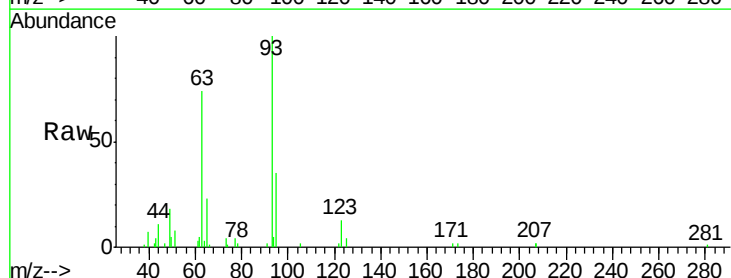
Tgt Ion: 93 Resp: 45834

Ion Ratio Lower Upper

93 100

95 35.1 25.5 38.3

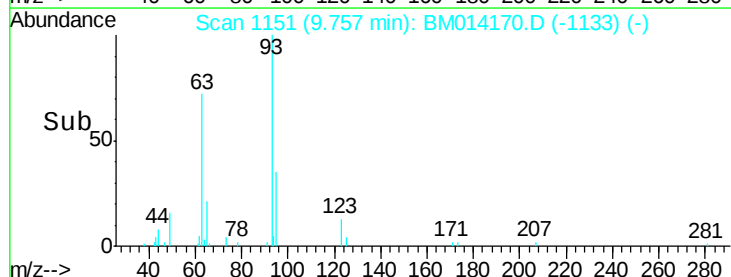
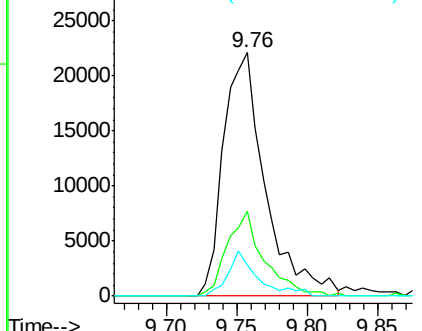
123 12.9 8.6 13.0

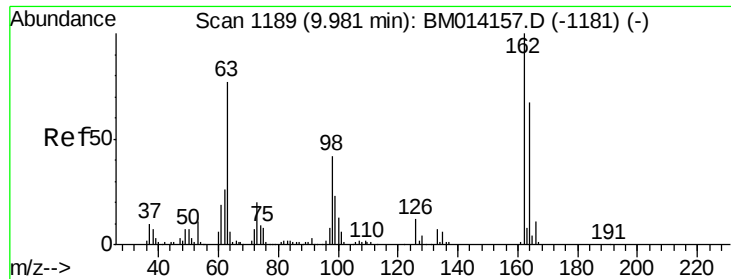


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

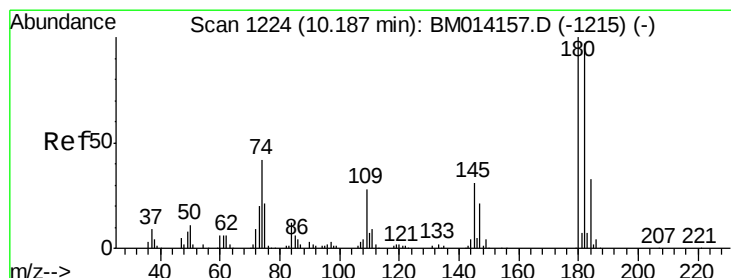
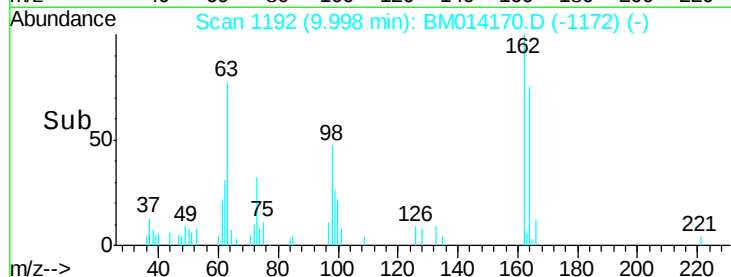
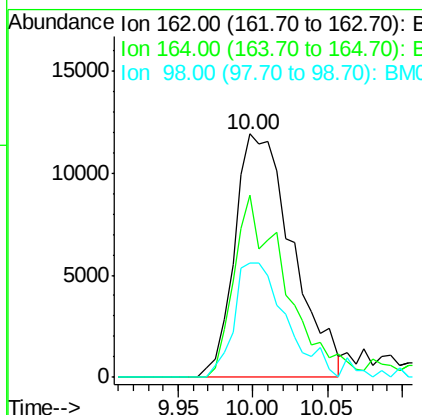
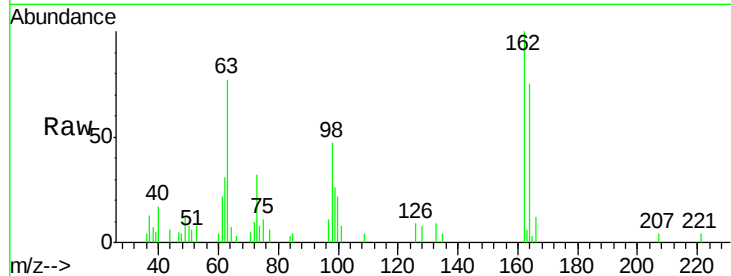




#29  
2,4-Dichlorophenol  
Concen: 6.29 ng  
RT: 10.00 min Scan# 1192  
Delta R.T. 0.02 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

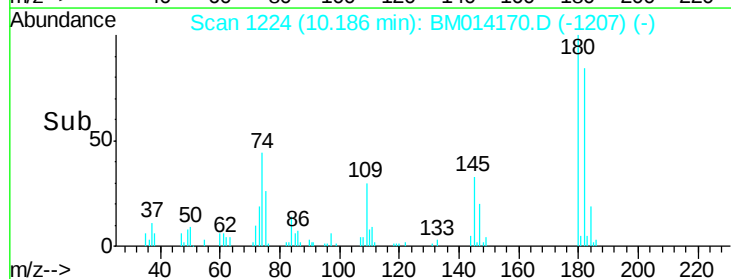
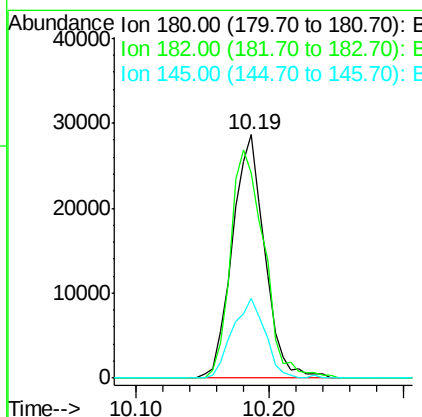
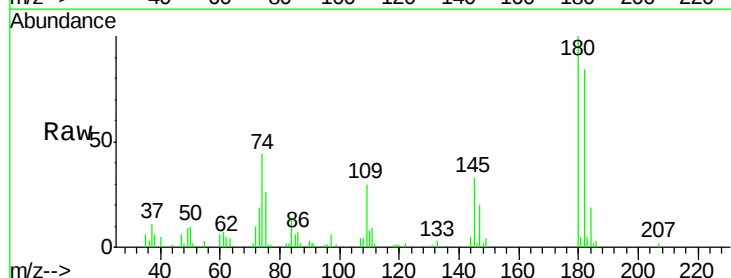
Instrument :  
BNA\_M  
ClientSampleId :

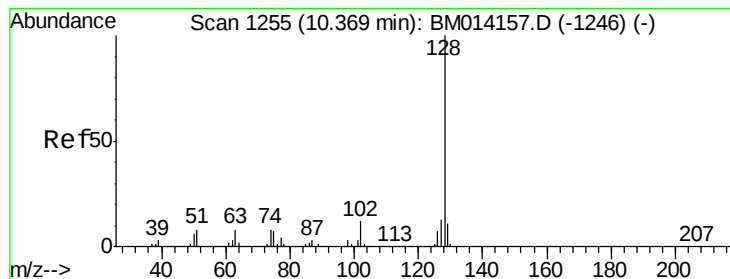
Tot Ion:162 Resp: 32116  
Ion Ratio Lower Upper  
162 100  
164 74.6 42.8 82.8  
98 47.1 14.5 54.5



#30  
1,2,4-Trichlorobenzene  
Concen: 7.17 ng  
RT: 10.19 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion:180 Resp: 48272  
Ion Ratio Lower Upper  
180 100  
182 84.3 77.6 116.4  
145 32.8 23.4 35.2





#31

Naphthalene

Concen: 7.02 ng

RT: 10.36 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

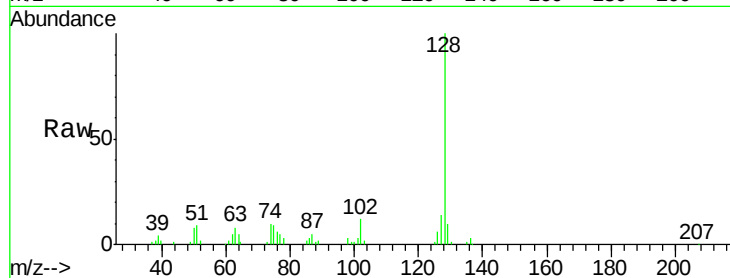
Tot Ion:128 Resp: 132427

Ion Ratio Lower Upper

128 100

129 9.9 8.9 13.3

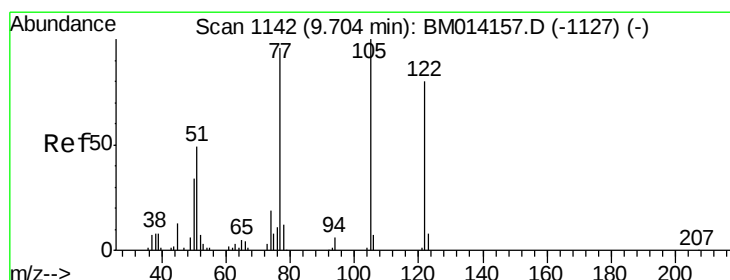
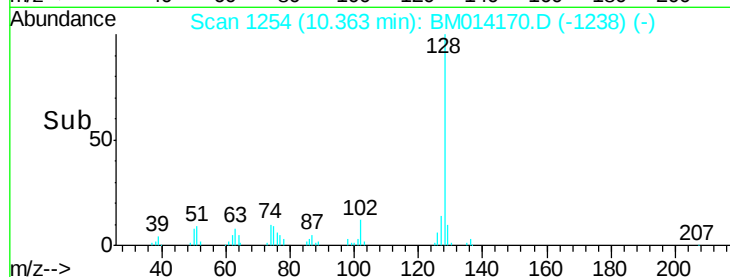
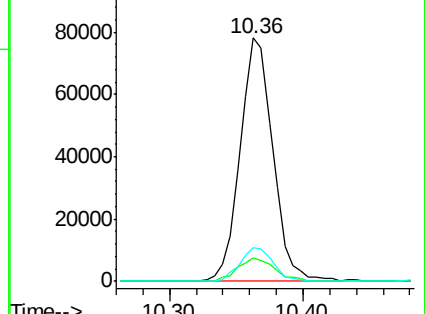
127 13.7 10.4 15.6



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: 6.27 ng

RT: 9.73 min Scan# 1146

Delta R.T. 0.02 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

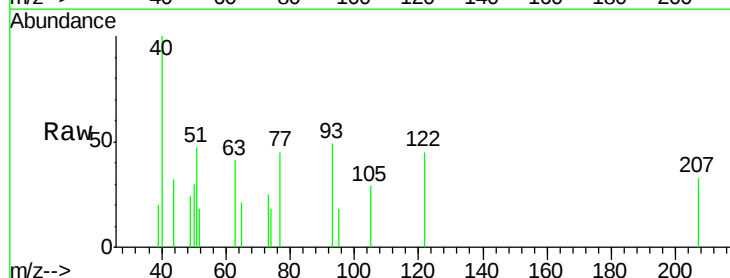
Tgt Ion:122 Resp: 392

Ion Ratio Lower Upper

122 100

105 64.7 99.9 139.9#

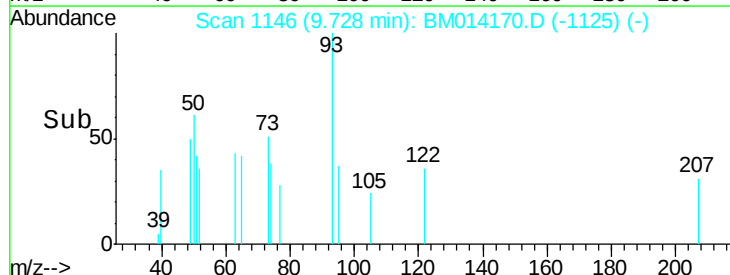
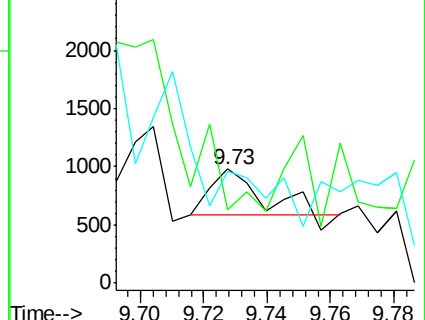
77 98.4 73.7 113.7

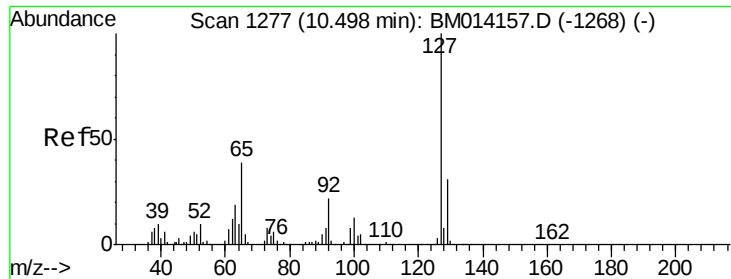


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

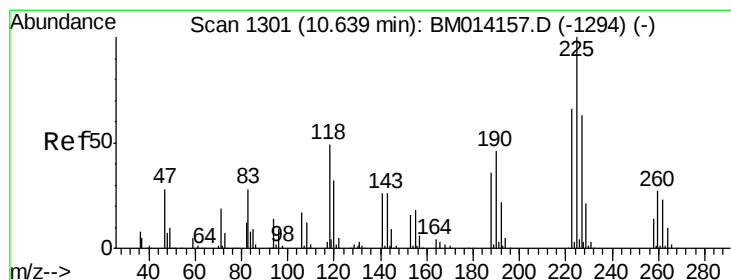
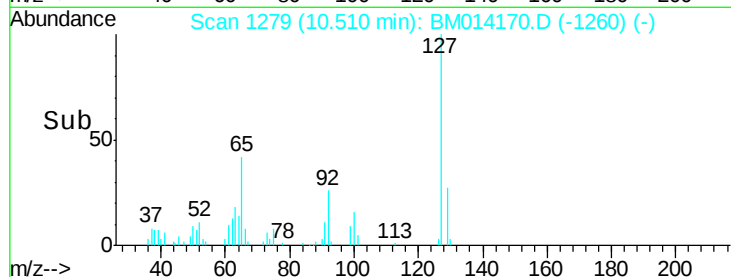
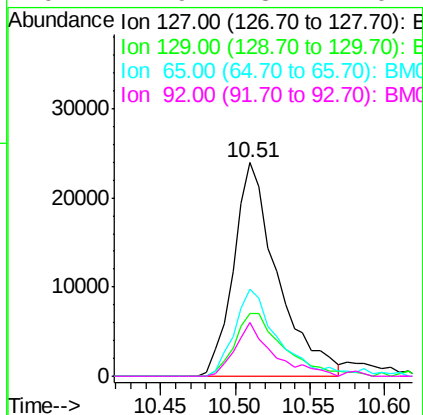
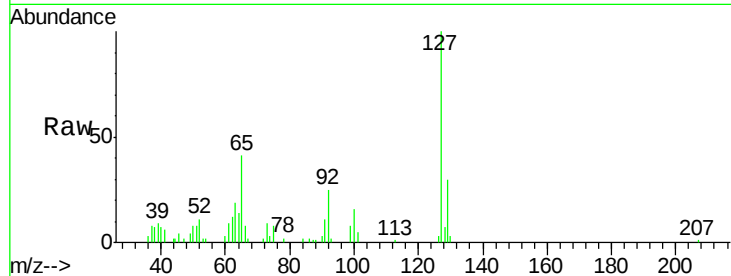




#33  
4-Chloroaniline  
Concen: 6.26 ng  
RT: 10.51 min Scan# 1279  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

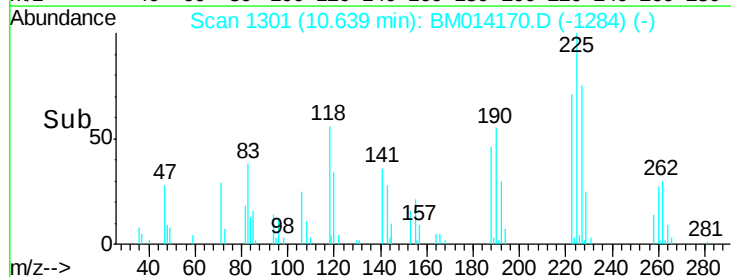
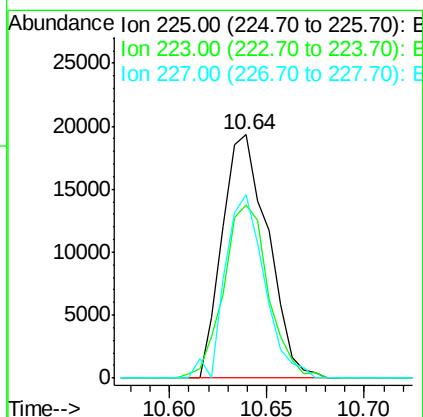
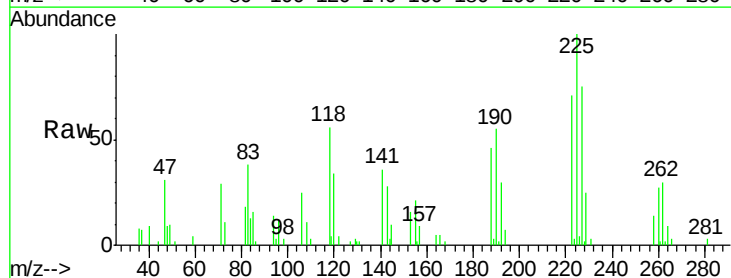
Instrument :  
BNA\_M  
ClientSampleId :

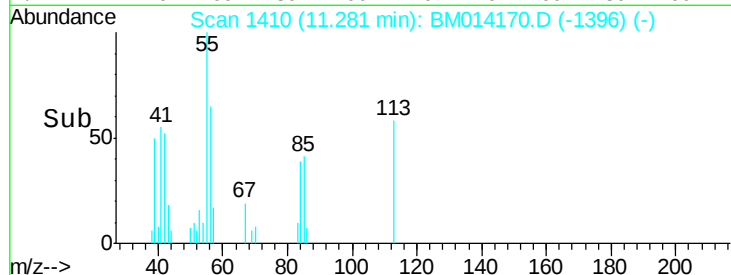
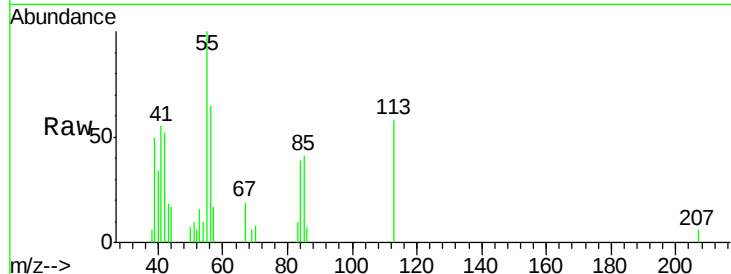
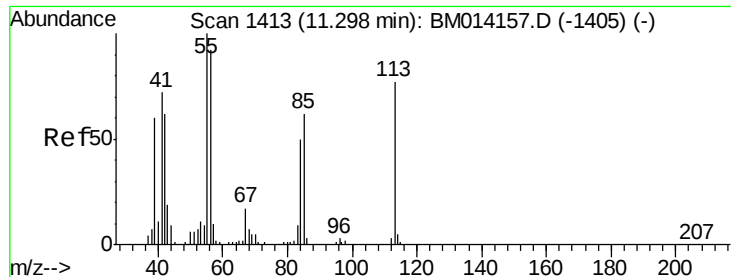
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 49088 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 29.5  | 25.3  | 37.9  |
| 65       | 41.0  | 17.6  | 26.4# |
| 92       | 24.9  | 13.1  | 19.7# |



#34  
Hexachlorobutadiene  
Concen: 6.81 ng  
RT: 10.64 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 31425 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 71.1  | 47.9  | 71.9  |
| 227      | 75.5  | 50.1  | 75.1# |

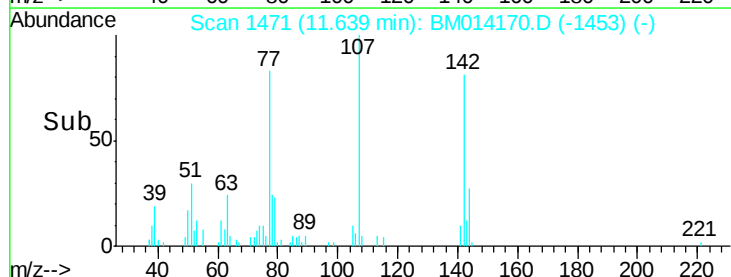
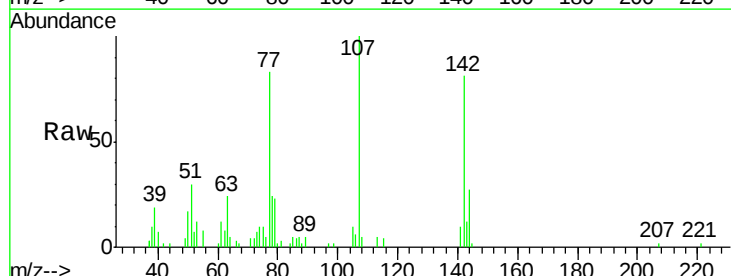
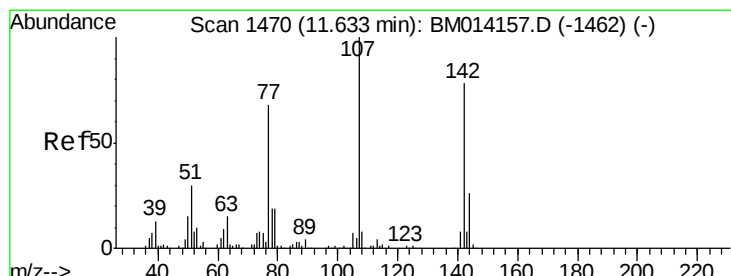
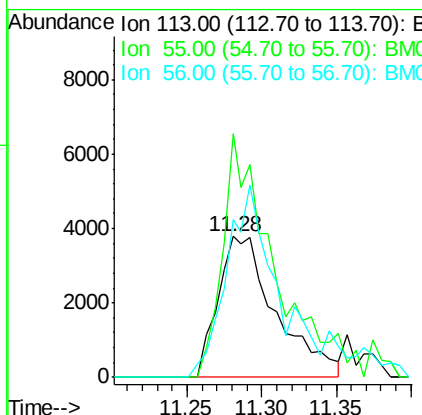




#35  
Caprolactam  
Concen: 5.59 ng  
RT: 11.28 min Scan# 1410  
Delta R.T. -0.02 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

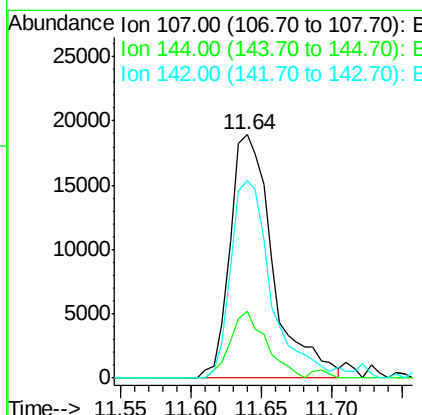
Instrument :  
BNA\_M  
ClientSampleId :

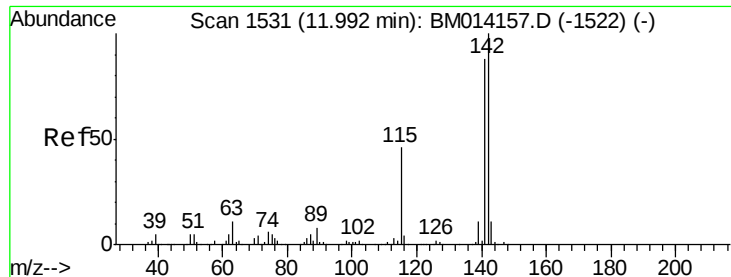
Tot Ion:113 Resp: 10203  
Ion Ratio Lower Upper  
113 100  
55 172.9 145.9 185.9  
56 111.9 101.0 141.0



#36  
4-Chloro-3-methylphenol  
Concen: 6.36 ng  
RT: 11.64 min Scan# 1471  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion:107 Resp: 40224  
Ion Ratio Lower Upper  
107 100  
144 27.5 23.3 34.9  
142 81.3 72.6 109.0

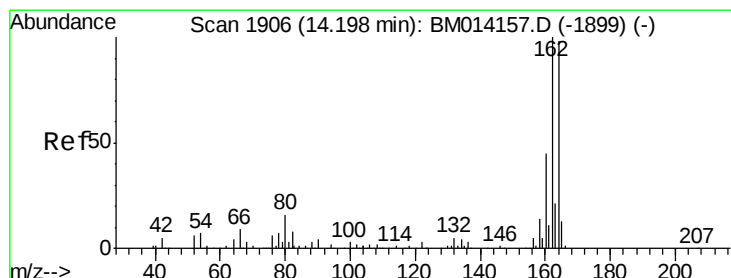
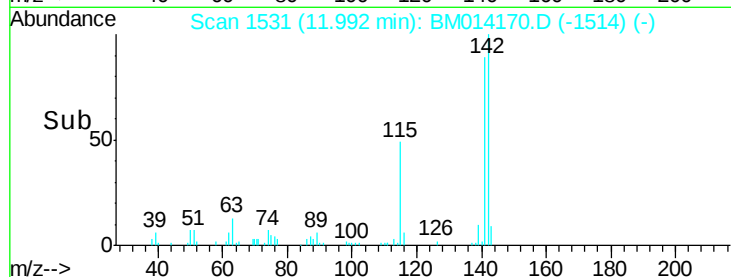
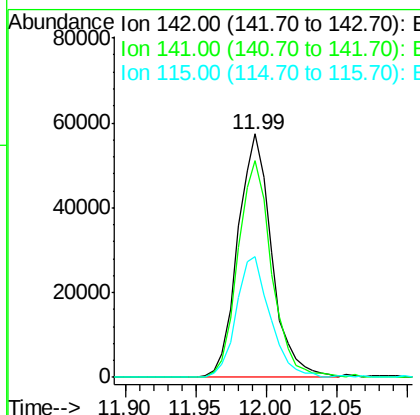
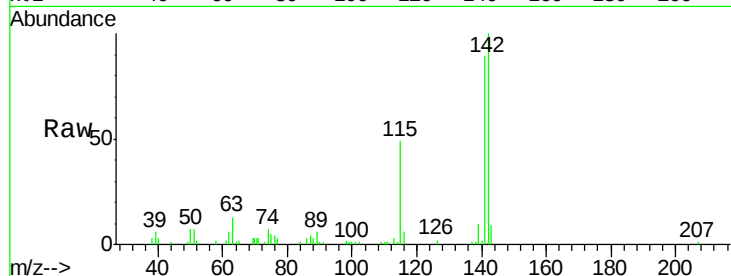




#37  
 2-Methylnaphthalene  
 Concen: 6.80 ng  
 RT: 11.99 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

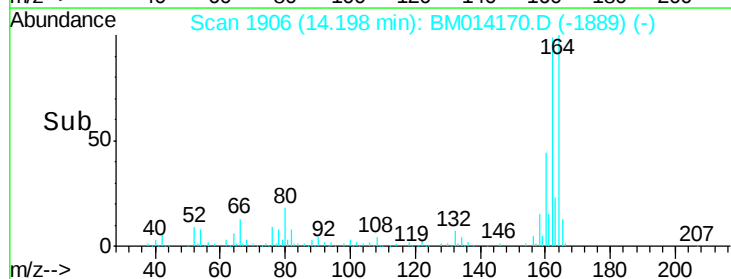
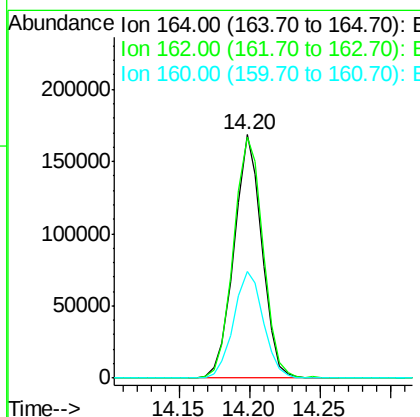
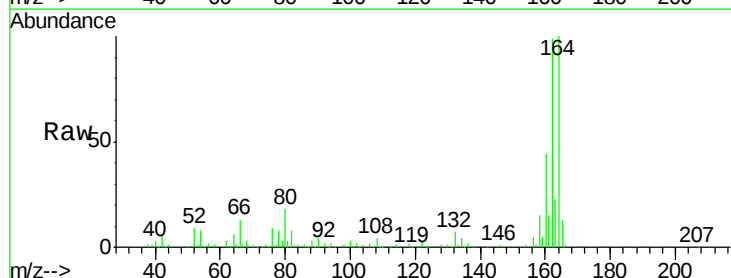
Instrument :  
 BNA\_M  
 ClientSampleId :

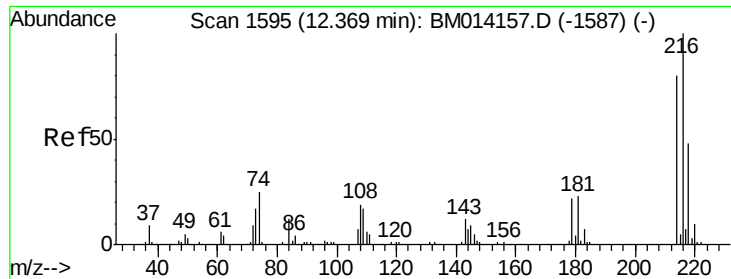
Tot Ion:142 Resp: 96620  
 Ion Ratio Lower Upper  
 142 100  
 141 89.2 71.9 107.9  
 115 49.4 25.4 38.0#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.20 min Scan# 1906  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:164 Resp: 230697  
 Ion Ratio Lower Upper  
 164 100  
 162 98.9 82.4 123.6  
 160 43.9 35.8 53.6

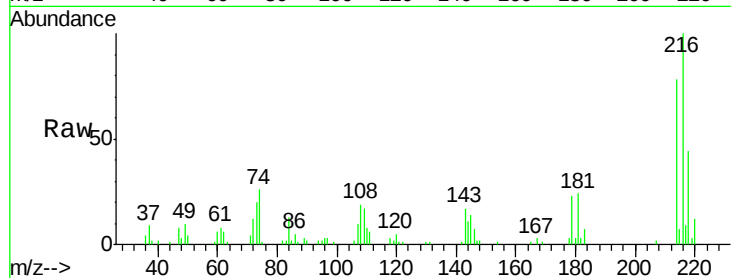




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 7.38 ng  
 RT: 12.37 min Scan# 1595  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 0.0   | 0.0#  |
| 179     | 23.2  | 0.0   | 0.0#  |
| 108     | 21.5  | 0.0   | 0.0#  |

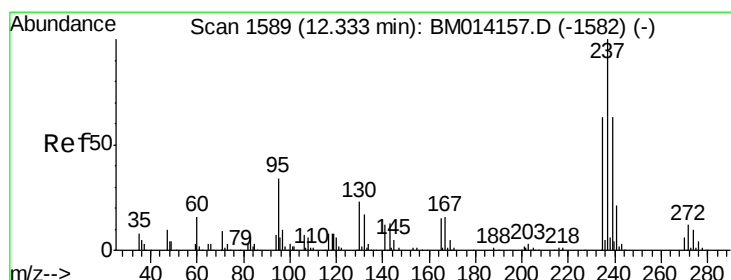
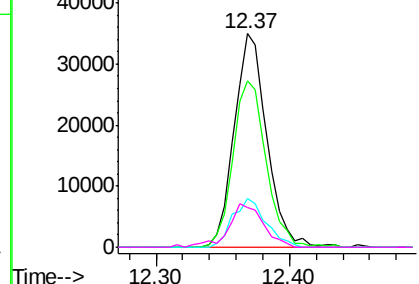
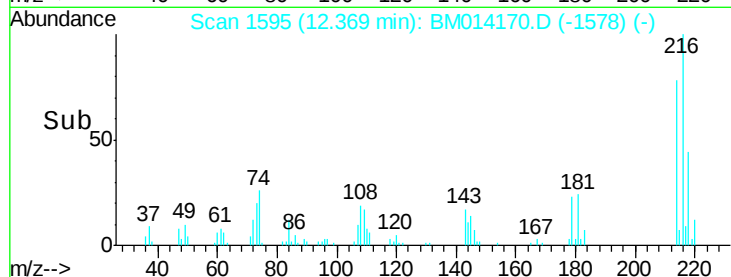


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

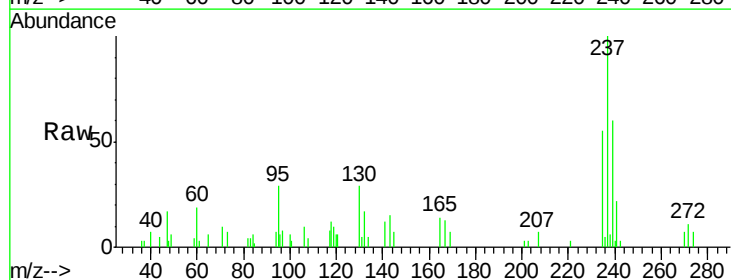
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40  
 Hexachlorocyclopentadiene  
 Concen: 10.19 ng  
 RT: 12.33 min Scan# 1588  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

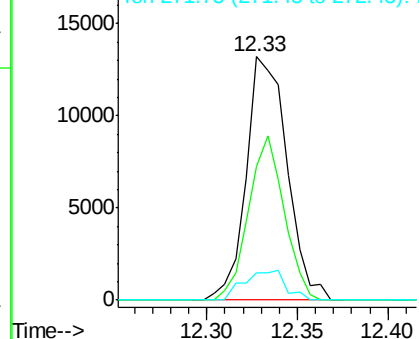
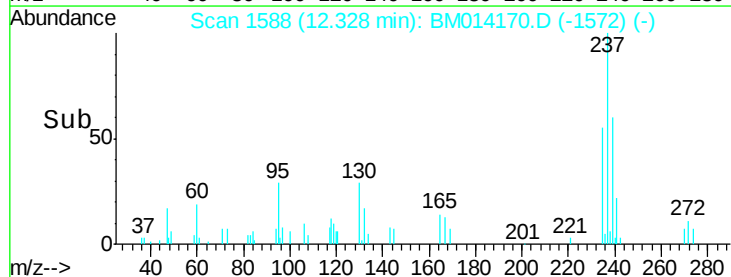
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 54.7  | 42.0  | 82.0  |
| 272     | 11.2  | 0.0   | 33.4  |

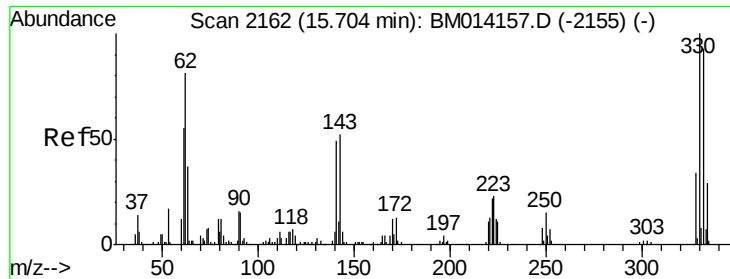


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

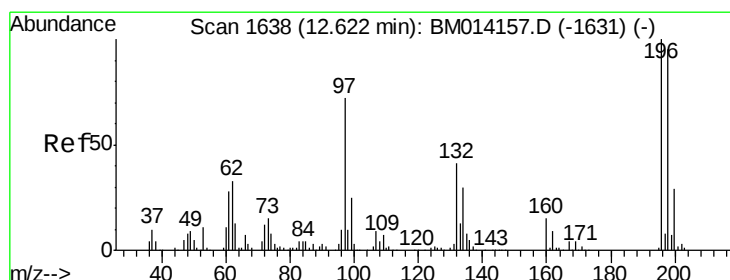
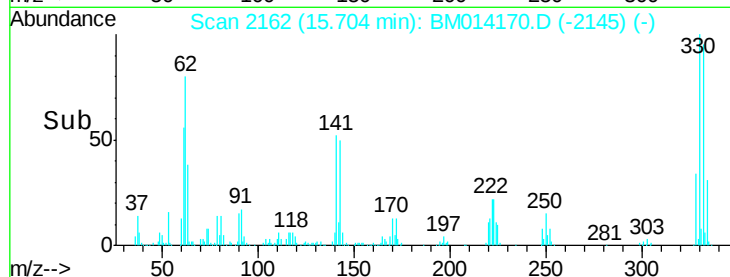
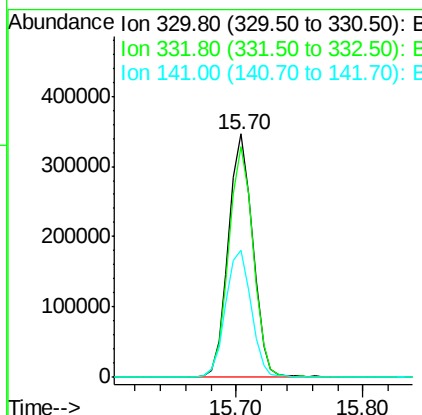
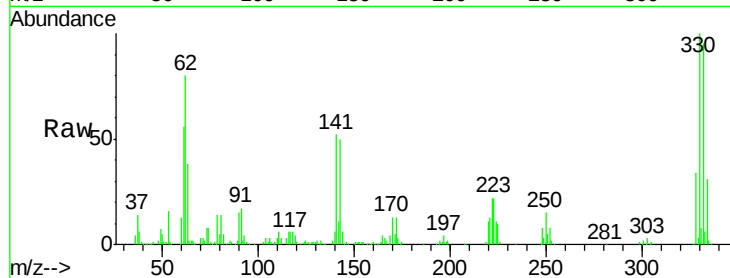




#41  
 2,4,6-Tribromophenol  
 Concen: 141.58 ng  
 RT: 15.70 min Scan# 2162  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

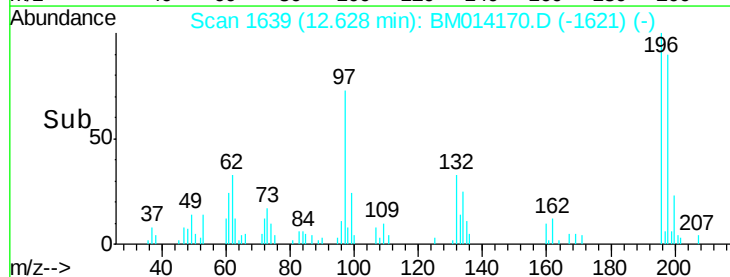
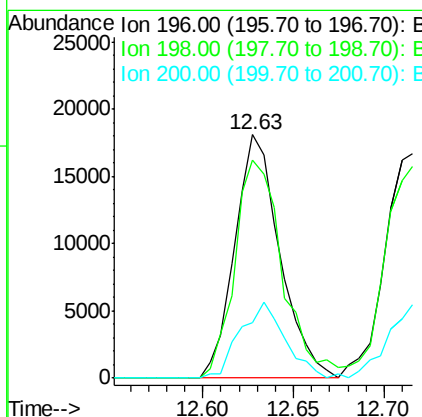
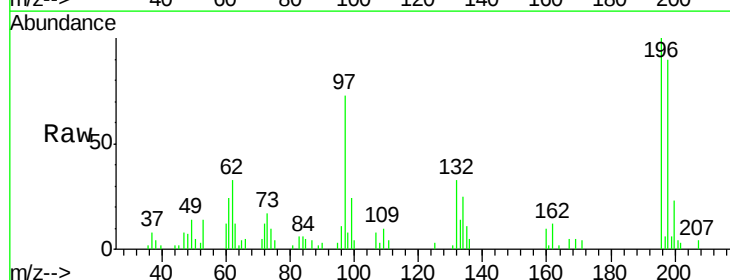
Instrument :  
 BNA\_M  
 ClientSampleId :

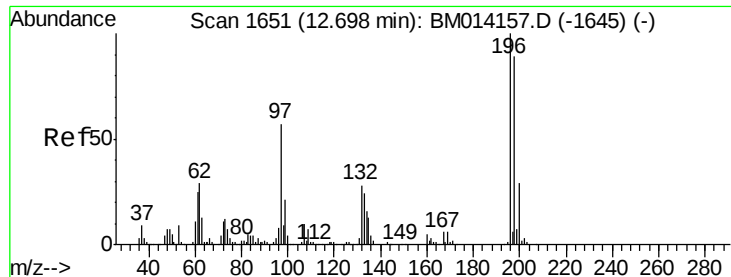
Tot Ion:330 Resp: 463472  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 0.0 0.0#  
 141 54.6 0.0 0.0#



#42  
 2,4,6-Trichlorophenol  
 Concen: 6.59 ng  
 RT: 12.63 min Scan# 1639  
 Delta R.T. 0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:196 Resp: 31307  
 Ion Ratio Lower Upper  
 196 100  
 198 89.8 76.3 114.5  
 200 22.7 25.6 38.4#

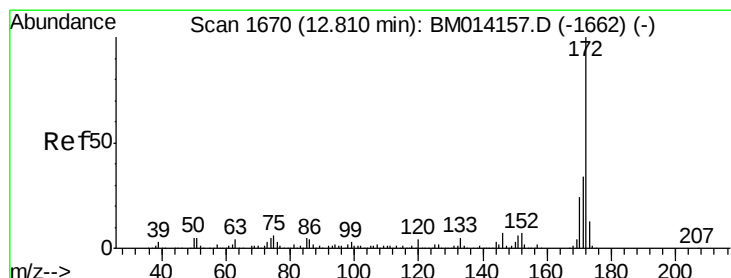
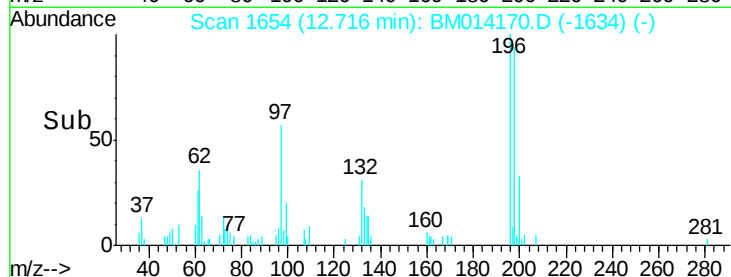
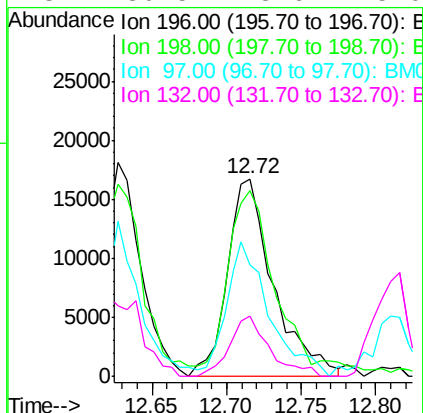
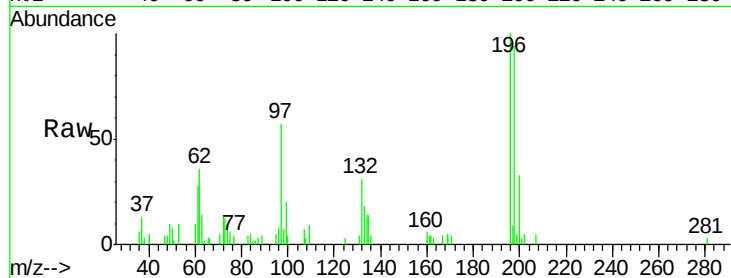




#43  
 2,4,5-Trichlorophenol  
 Concen: 6.87 ng  
 RT: 12.72 min Scan# 1654  
 Delta R.T. 0.02 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

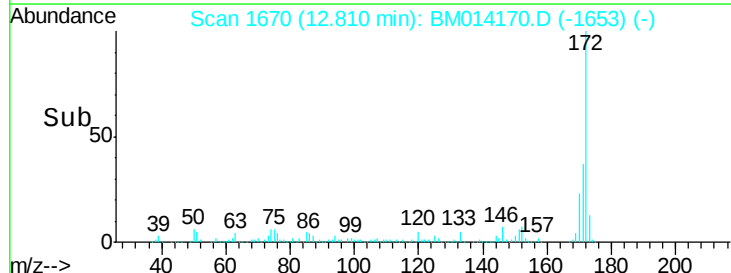
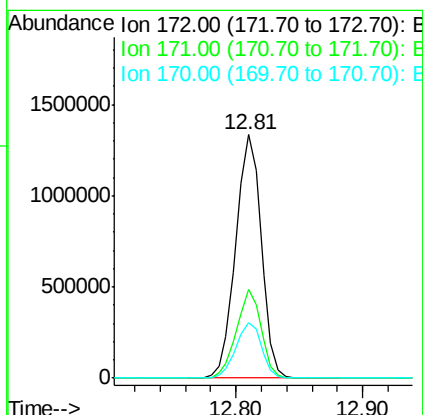
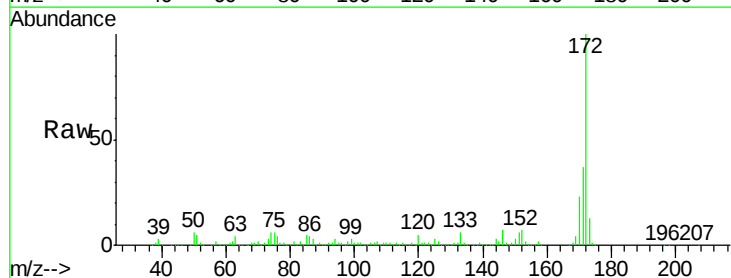
Instrument :  
 BNA\_M  
 ClientSampled :

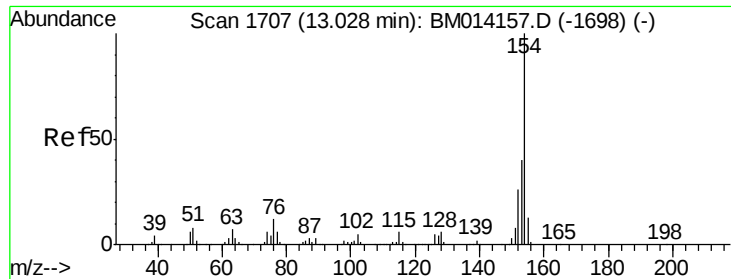
Tot Ion:196 Resp: 36004  
 Ion Ratio Lower Upper  
 196 100  
 198 94.0 79.4 119.0  
 97 56.7 26.8 40.2#  
 132 30.5 18.6 28.0#



#44  
 2-Fluorobiphenyl  
 Concen: 100.46 ng  
 RT: 12.81 min Scan# 1670  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:172 Resp: 1856640  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 28.5 42.7  
 170 23.0 18.8 28.2

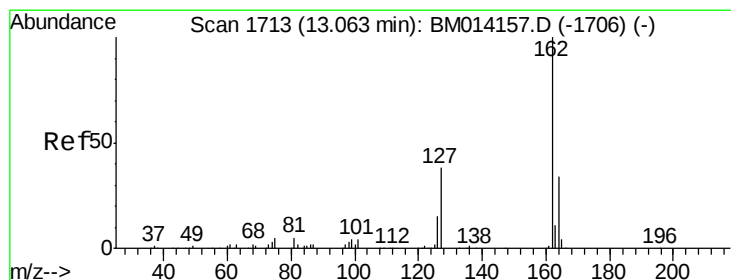
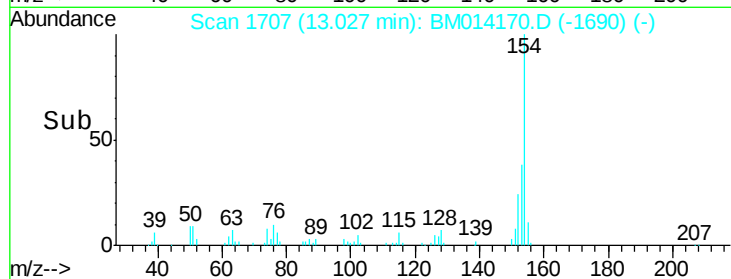
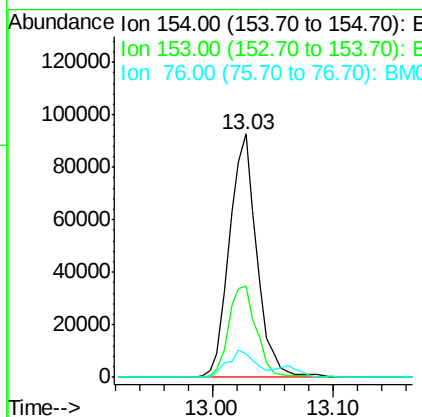
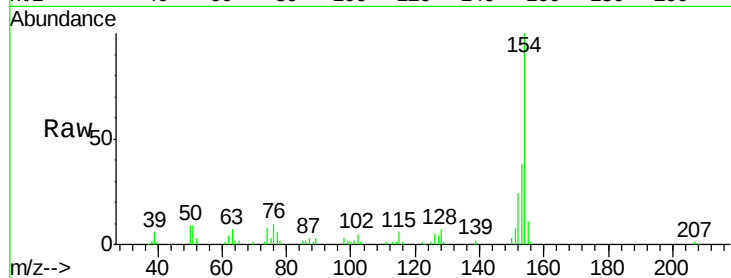




#45  
 1,1'-Biphenyl  
 Concen: 7.35 ng  
 RT: 13.03 min Scan# 1707  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

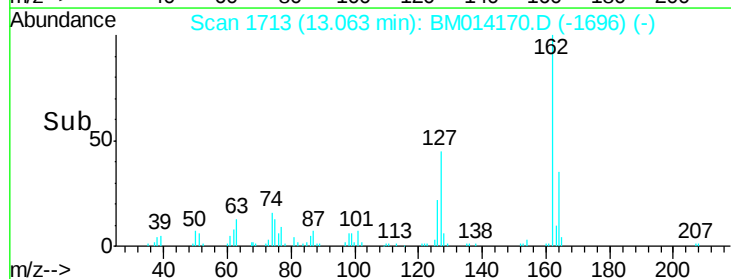
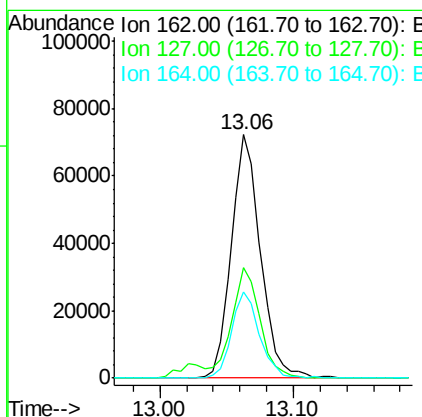
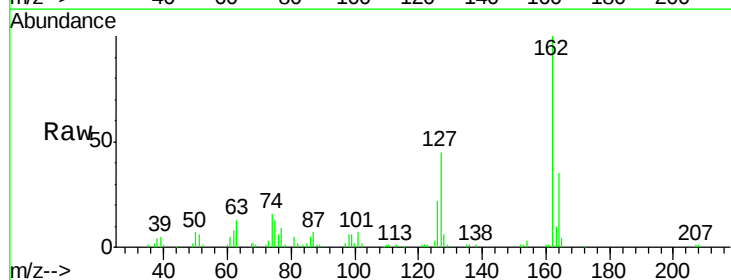
Instrument :  
 BNA\_M  
 ClientSampleId :

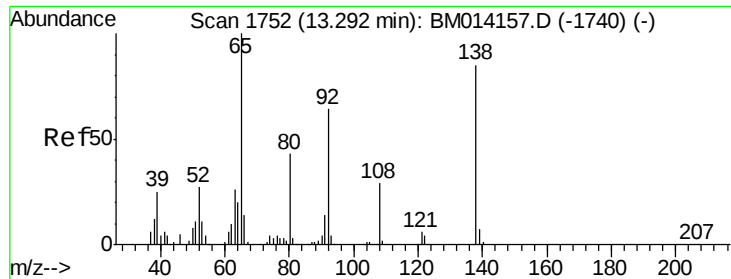
| Tot Ion   | 154  | Resp  | 146840 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 153       | 37.6 | 20.7  | 60.7   |
| 76        | 9.8  | 0.0   | 30.9   |



#46  
 2-Chloronaphthalene  
 Concen: 7.25 ng  
 RT: 13.06 min Scan# 1713  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion   | 162  | Resp  | 110019 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 127       | 45.3 | 26.9  | 40.3#  |
| 164       | 35.5 | 26.8  | 40.2   |

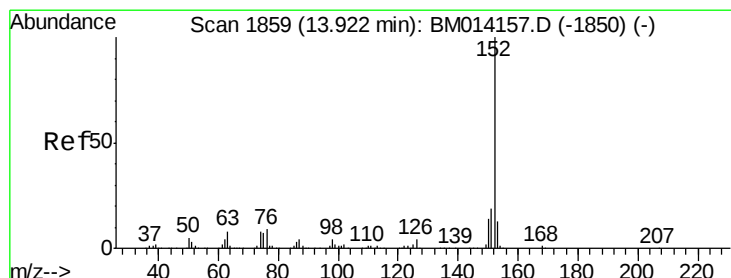
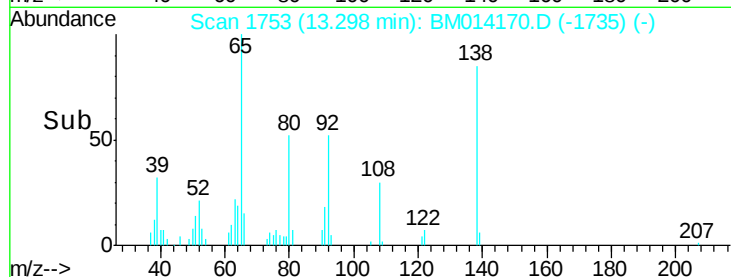
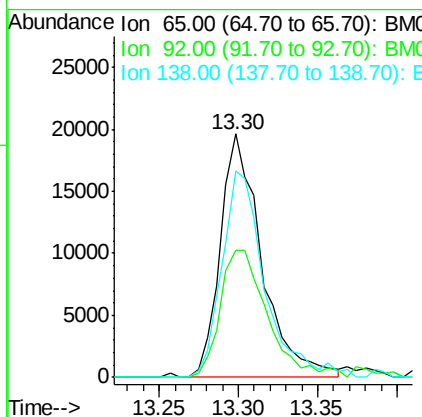
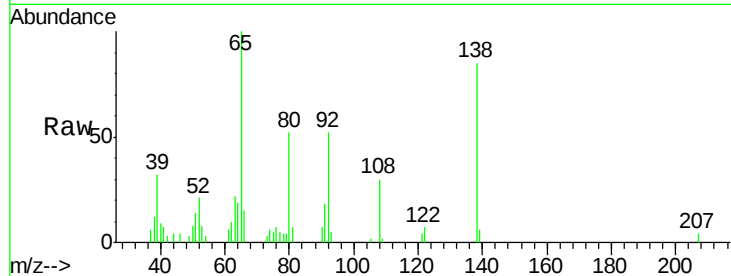




#47  
2-Nitroaniline  
Concen: 6.38 ng  
RT: 13.30 min Scan# 1753  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

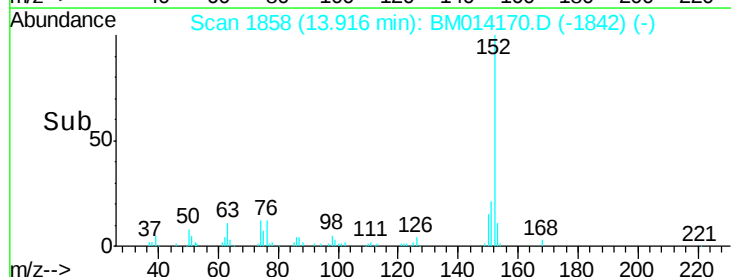
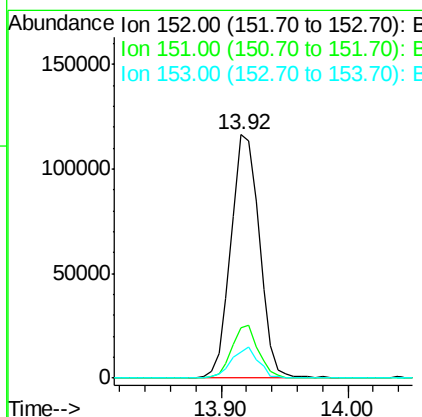
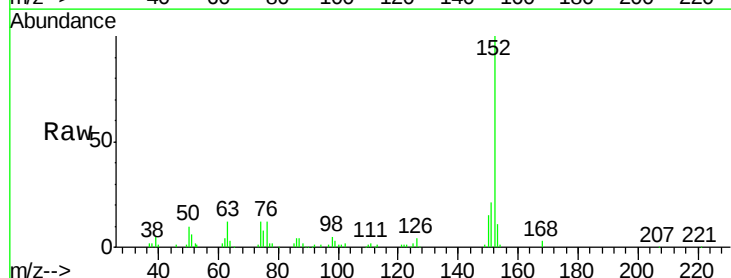
Instrument :  
BNA\_M  
ClientSampleId :

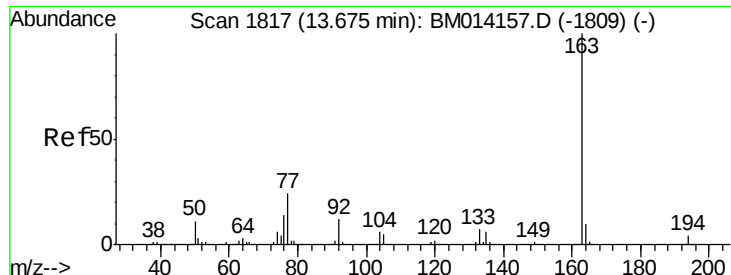
Tot Ion: 65 Resp: 35610  
Ion Ratio Lower Upper  
65 100  
92 52.0 59.1 88.7#  
138 85.1 93.9 140.9#



#48  
Acenaphthylene  
Concen: 7.27 ng  
RT: 13.92 min Scan# 1858  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion: 152 Resp: 180812  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.9 23.9  
153 10.8 10.6 16.0





#49

Dimethylphthalate

Concen: 7.56 ng

RT: 13.67 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

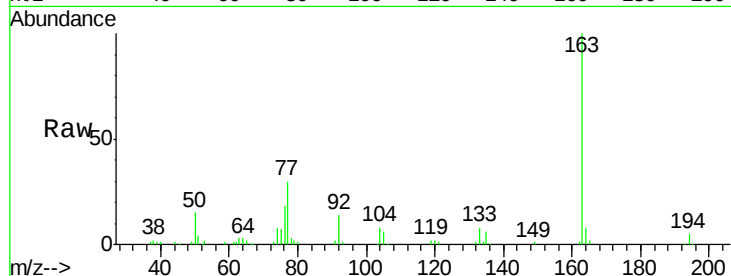
Tot Ion:163 Resp: 156116

Ion Ratio Lower Upper

163 100

194 5.1 2.7 4.1#

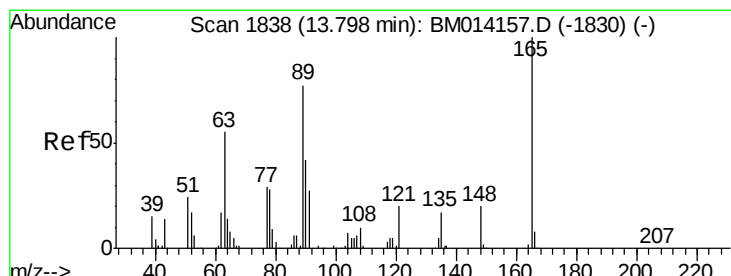
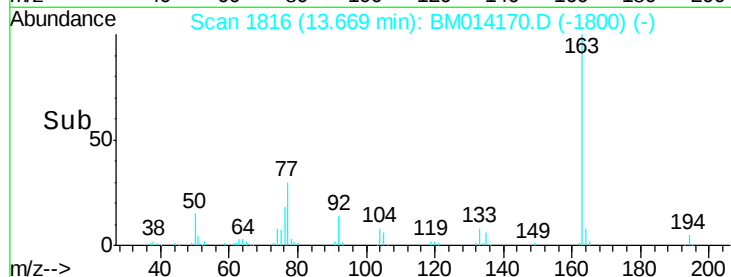
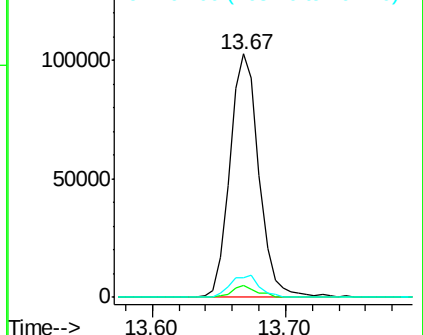
164 8.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.45 ng

RT: 13.80 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

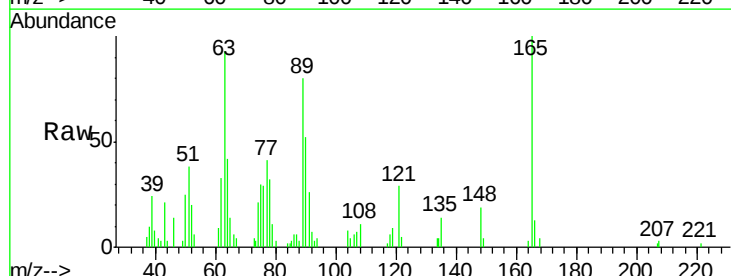
Tgt Ion:165 Resp: 31584

Ion Ratio Lower Upper

165 100

63 93.1 44.1 66.1#

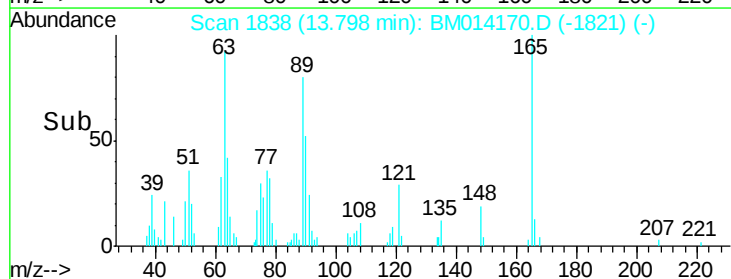
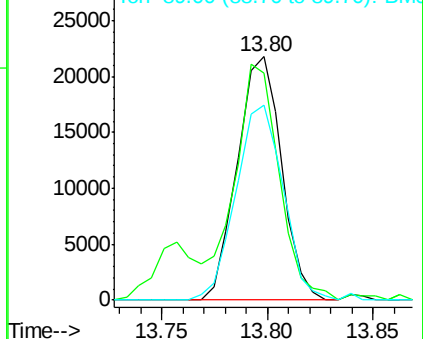
89 80.0 44.3 66.5#

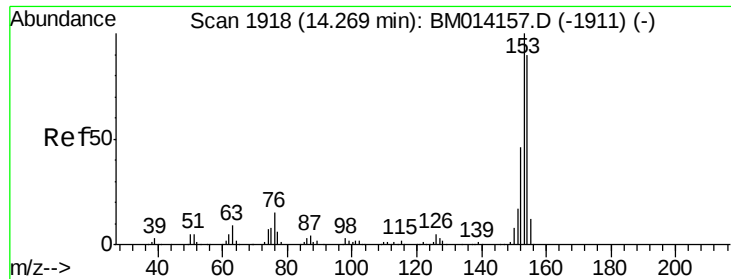


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 7.29 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

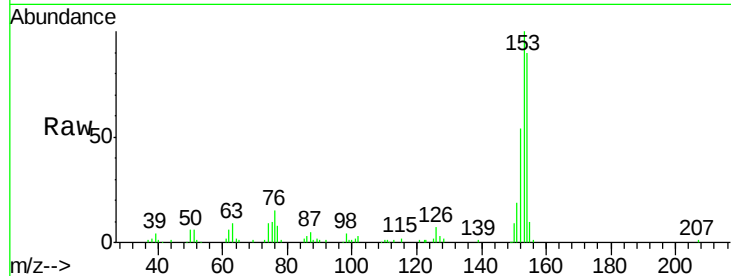
Tot Ion:154 Resp: 111733

Ion Ratio Lower Upper

154 100

153 110.8 90.0 135.0

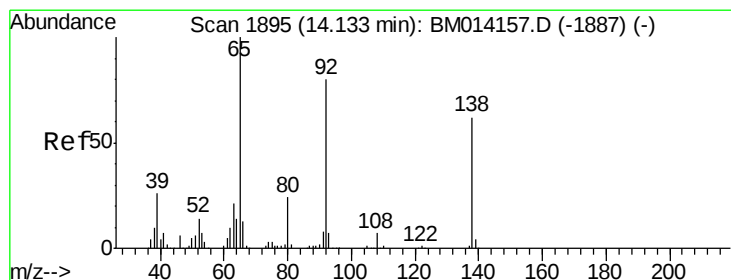
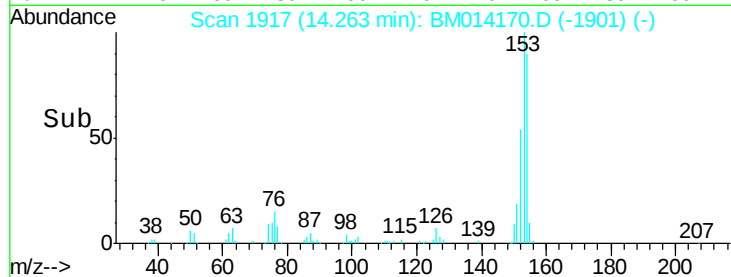
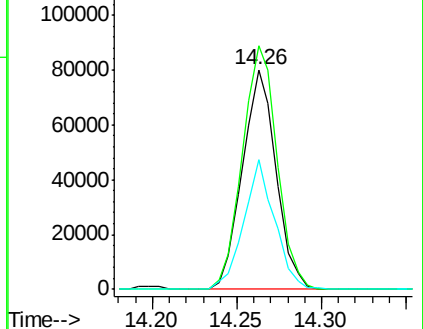
152 59.3 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.78 ng

RT: 14.15 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

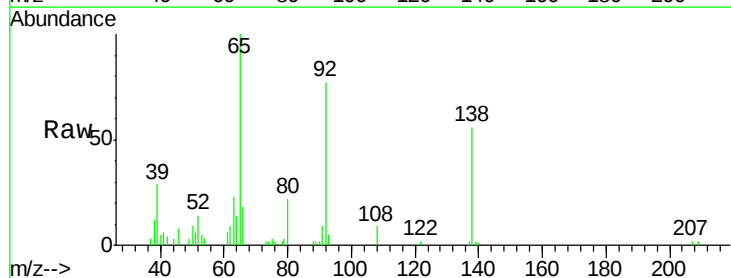
Tgt Ion:138 Resp: 25317

Ion Ratio Lower Upper

138 100

108 16.5 7.3 10.9#

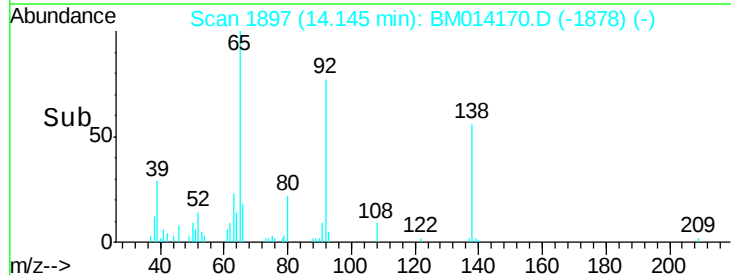
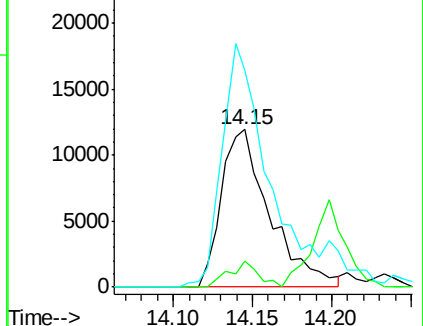
92 137.8 76.6 114.8#

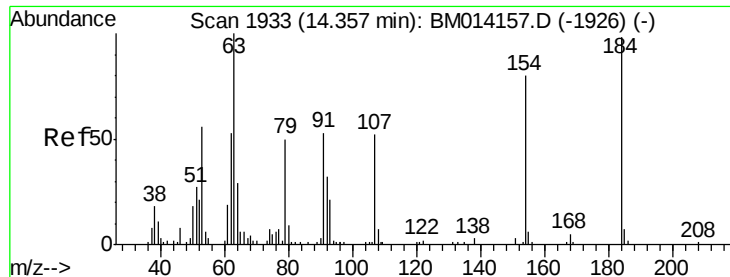


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#53

2,4-Dinitrophenol

Concen: 10.23 ng

RT: 14.38 min Scan# 1937

Delta R.T. 0.02 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampled :

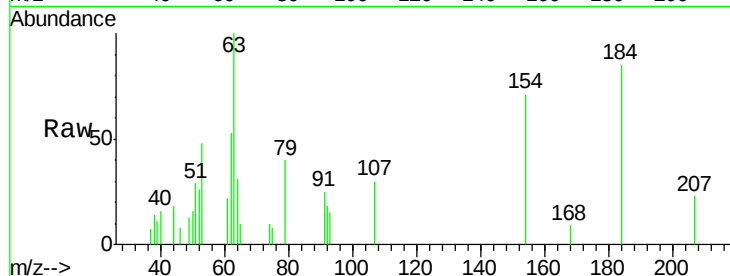
Tot Ion:184 Resp: 6820

Ion Ratio Lower Upper

184 100

63 117.7 69.2 103.8#

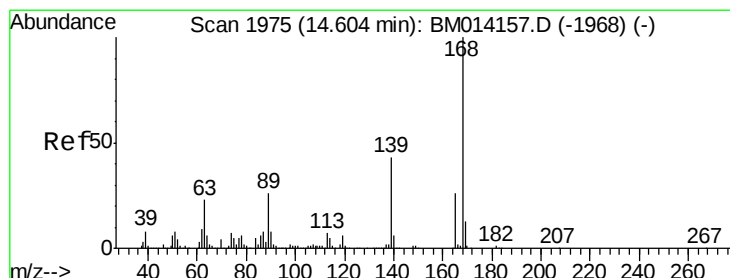
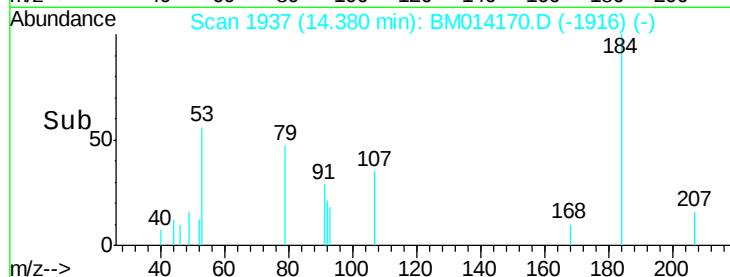
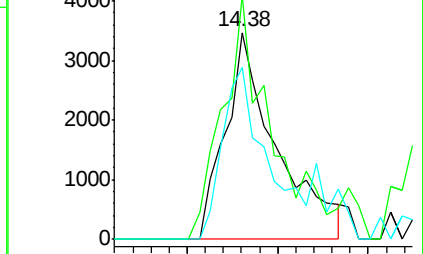
154 83.0 53.3 79.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 7.25 ng

RT: 14.60 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

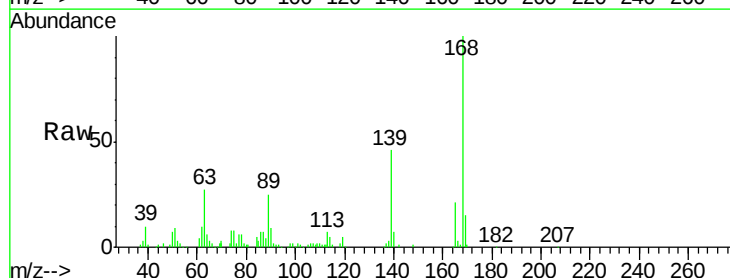
Tgt Ion:168 Resp: 173781

Ion Ratio Lower Upper

168 100

139 46.4 27.3 40.9#

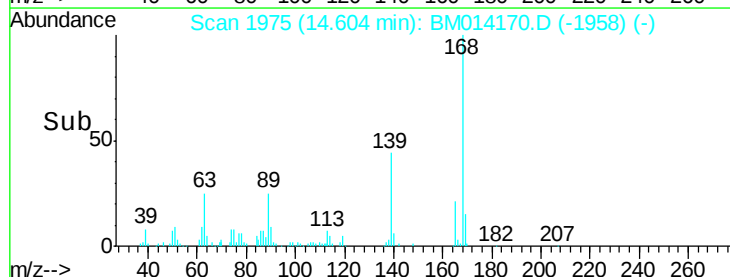
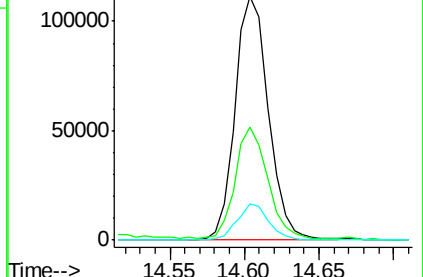
169 15.0 10.6 16.0

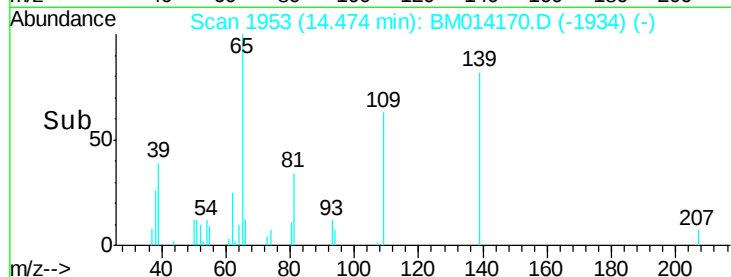
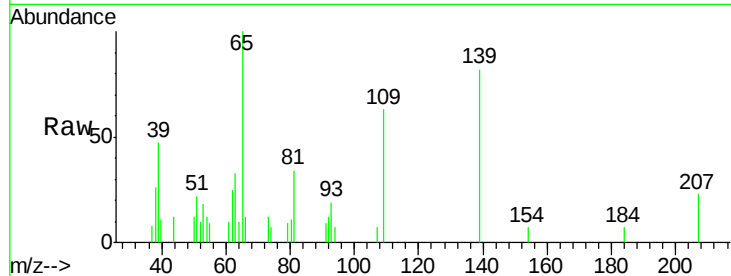
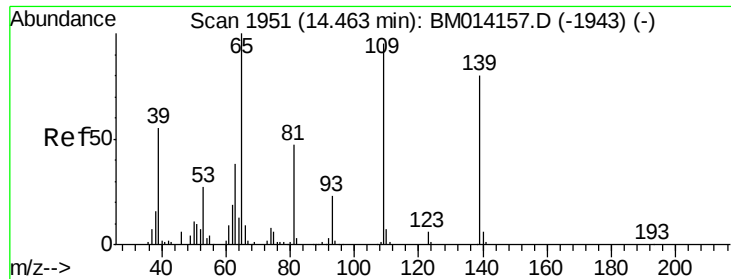


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

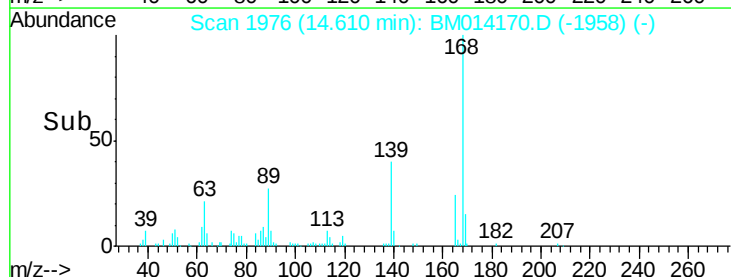
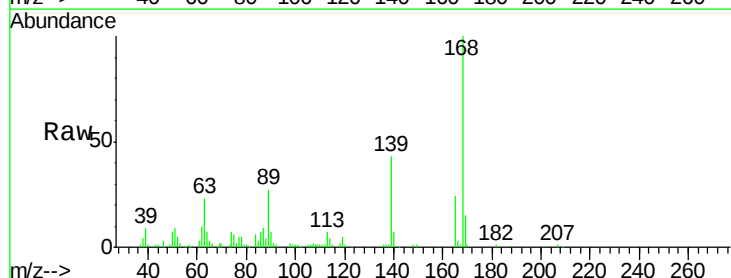
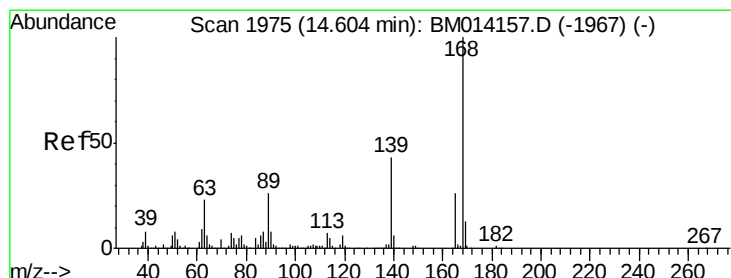
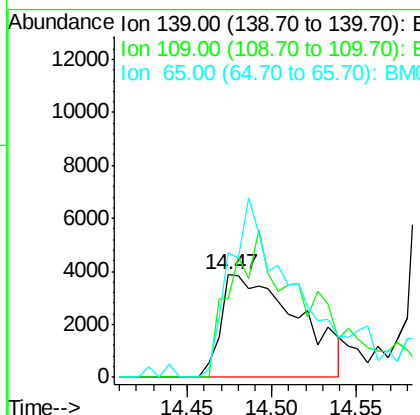




#55  
4-Nitrophenol  
Concen: 9.04 ng  
RT: 14.47 min Scan# 1953  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

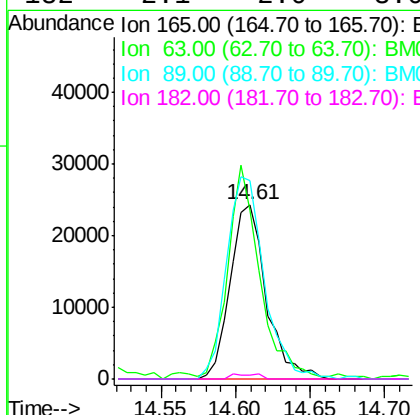
Instrument :  
BNA\_M  
ClientSampleId :

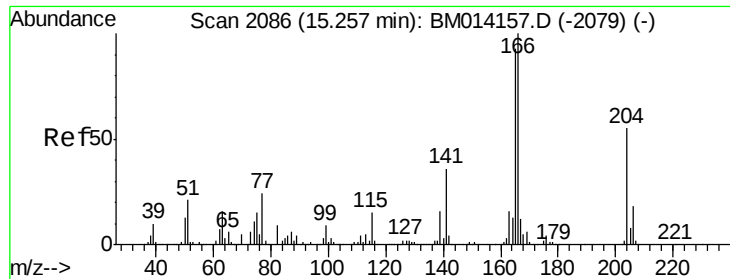
Tot Ion:139 Resp: 12163  
Ion Ratio Lower Upper  
139 100  
109 77.0 130.0 170.0#  
65 122.0 130.0 170.0#



#56  
2,4-Dinitrotoluene  
Concen: 6.30 ng  
RT: 14.61 min Scan# 1976  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion:165 Resp: 41214  
Ion Ratio Lower Upper  
165 100  
63 96.8 52.4 78.6#  
89 113.9 72.4 108.6#  
182 2.1 2.0 3.0





#57

Fluorene

Concen: 7.03 ng

RT: 15.26 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

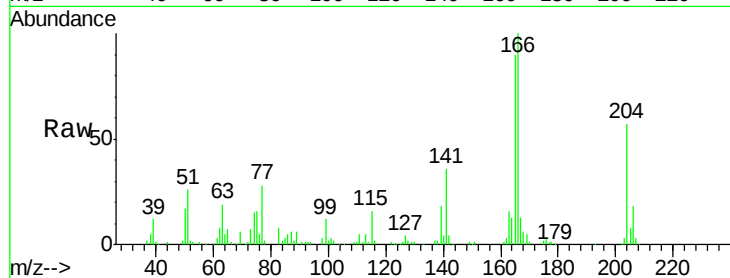
Tot Ion:166 Resp: 148138

Ion Ratio Lower Upper

166 100

165 90.4 79.0 118.4

167 13.0 10.3 15.5

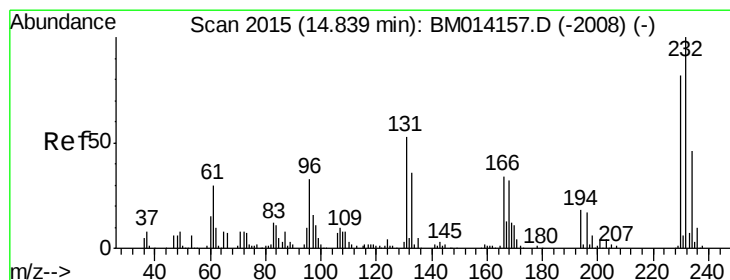
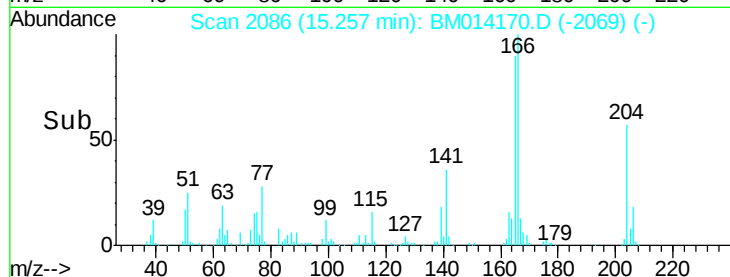
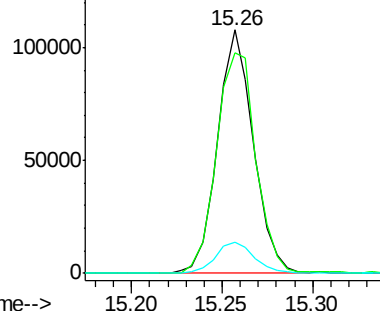


Abundance

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: 6.58 ng

RT: 14.85 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Tgt Ion:232 Resp: 33962

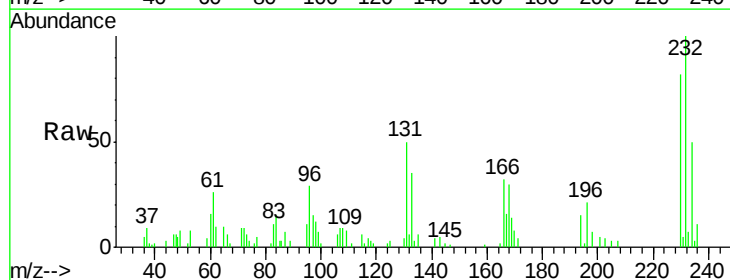
Ion Ratio Lower Upper

232 100

131 55.0 0.0 0.0#

130 3.7 0.0 0.0#

166 31.6 0.0 0.0#



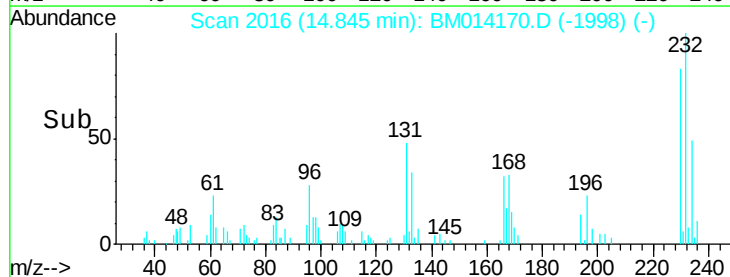
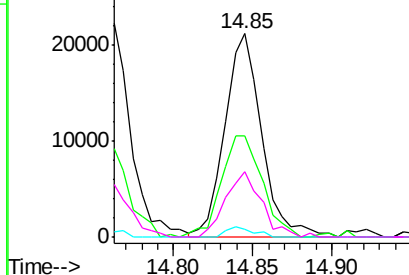
Abundance

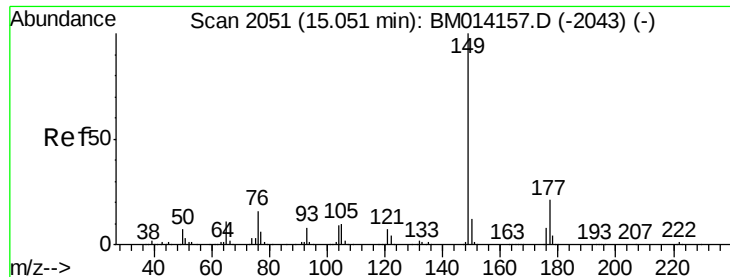
Ion 232.00 (231.70 to 232.70): E

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

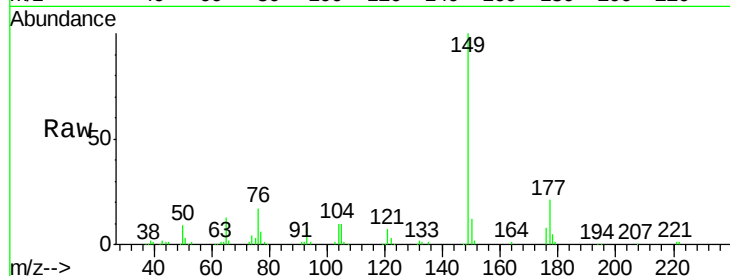




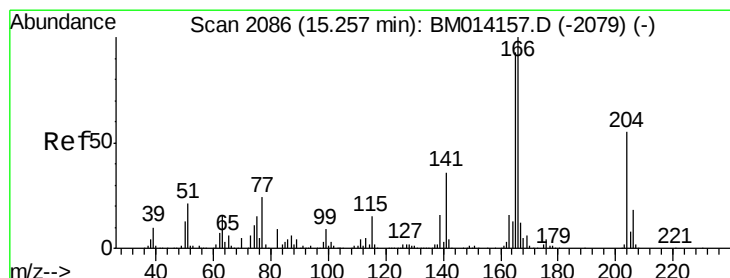
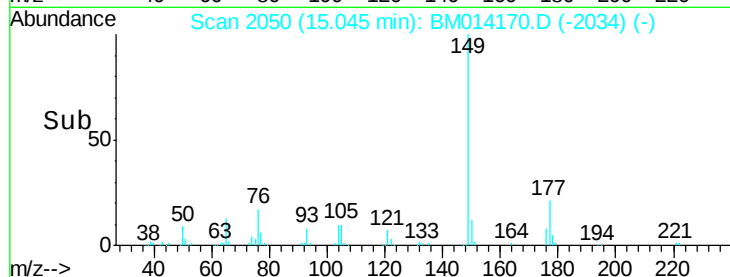
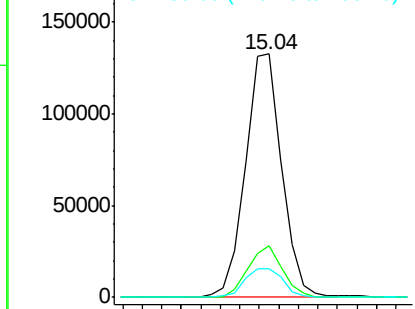
#59  
Diethylphthalate  
Concen: 7.45 ng  
RT: 15.04 min Scan# 2050  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:149 Resp: 170731  
Ion Ratio Lower Upper  
149 100  
177 21.0 18.3 27.5  
150 12.0 9.8 14.8

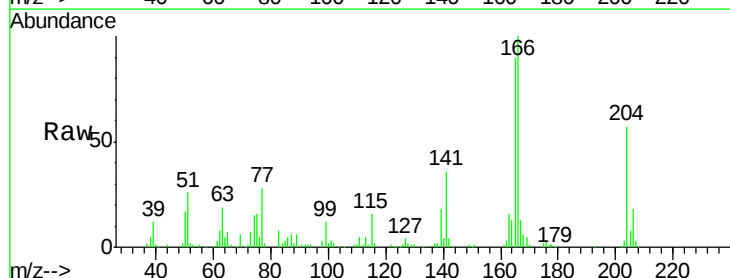


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

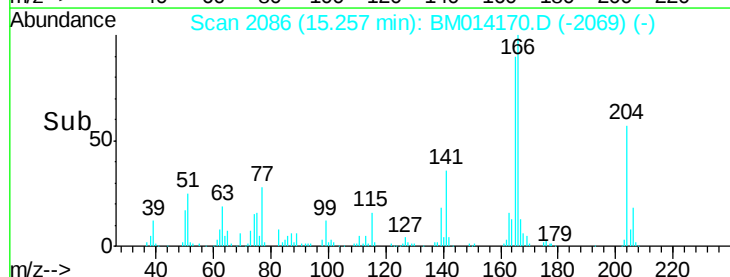
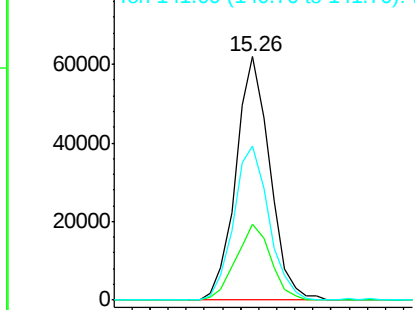


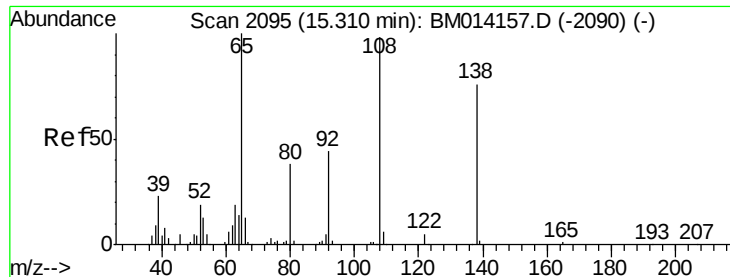
#60  
4-Chlorophenyl-phenylether  
Concen: 7.39 ng  
RT: 15.26 min Scan# 2086  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Tgt Ion:204 Resp: 80960  
Ion Ratio Lower Upper  
204 100  
206 31.4 26.6 39.8  
141 63.2 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: 5.93 ng

RT: 15.32 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

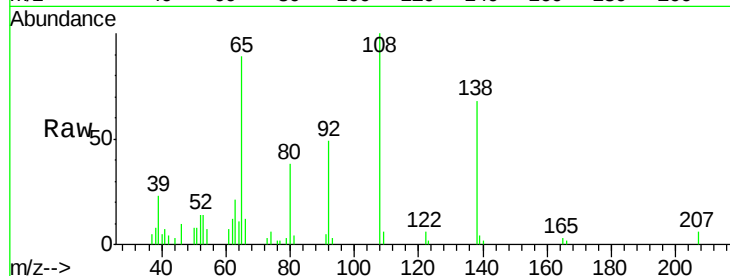
Tot Ion:138 Resp: 26032

Ion Ratio Lower Upper

138 100

92 72.6 16.7 56.7#

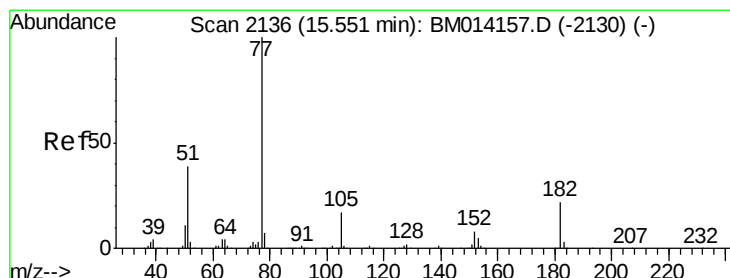
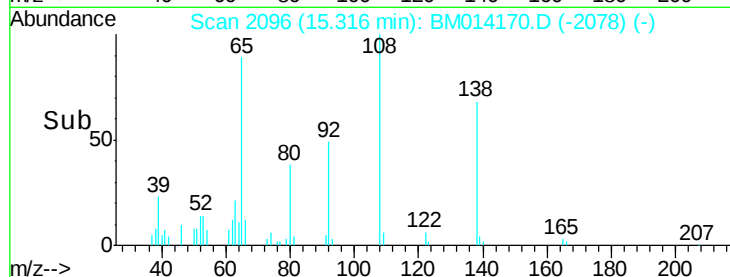
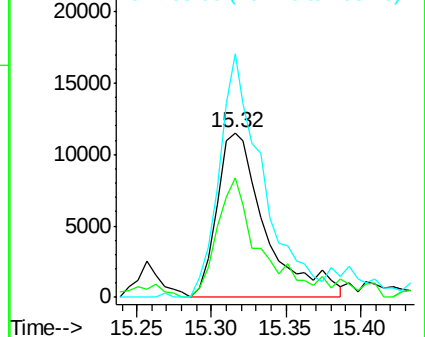
108 147.7 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 7.57 ng

RT: 15.55 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Tgt Ion: 77 Resp: 180318

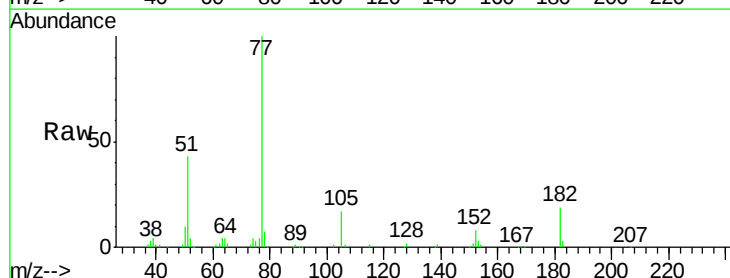
Ion Ratio Lower Upper

77 100

182 18.5 6.5 46.5

105 16.5 3.8 43.8

51 43.1 5.5 45.5

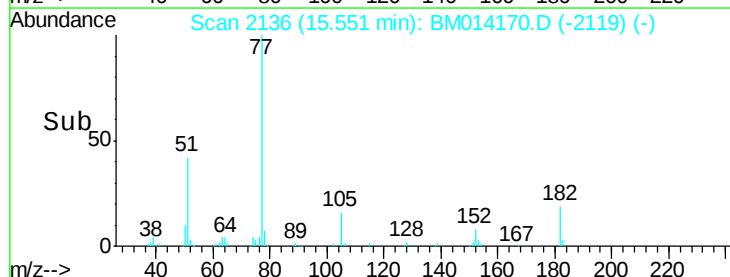
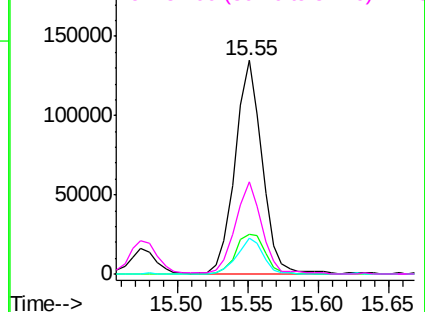


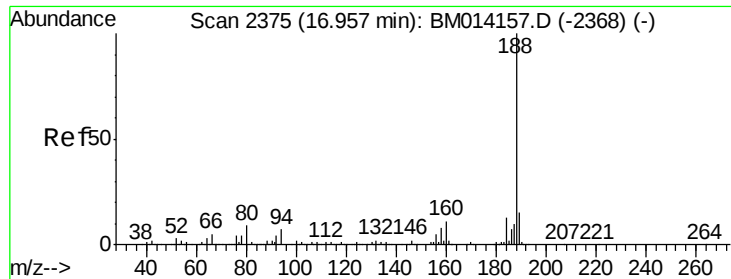
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0

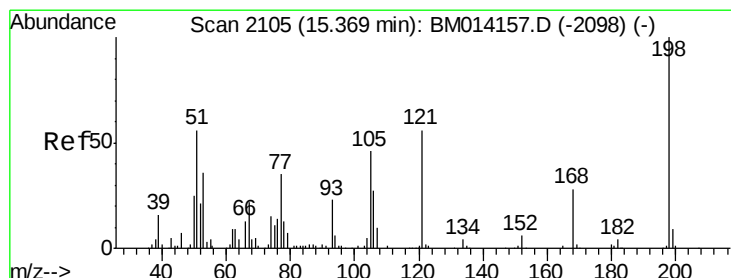
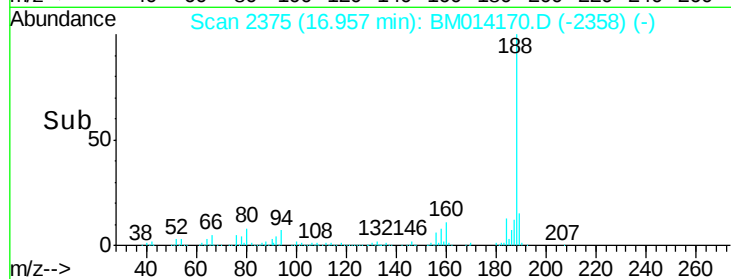
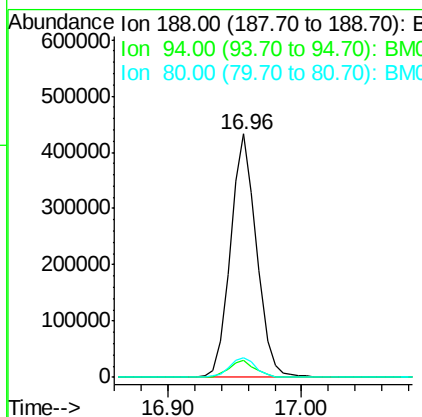
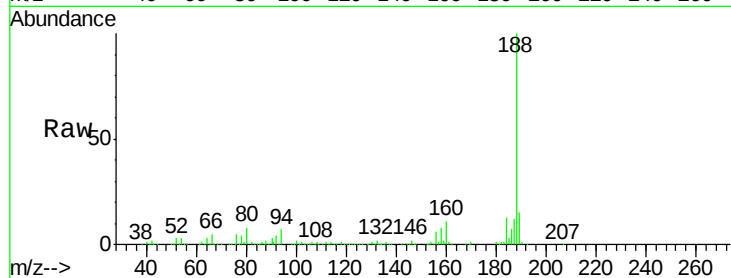




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.96 min Scan# 2375  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

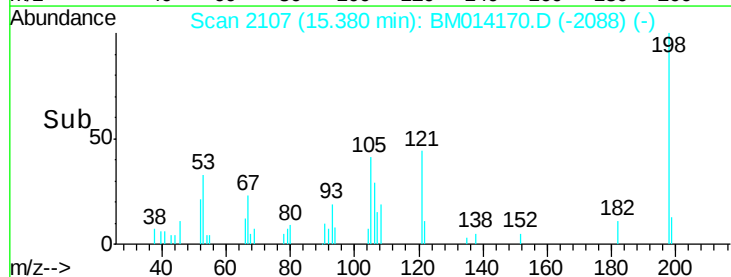
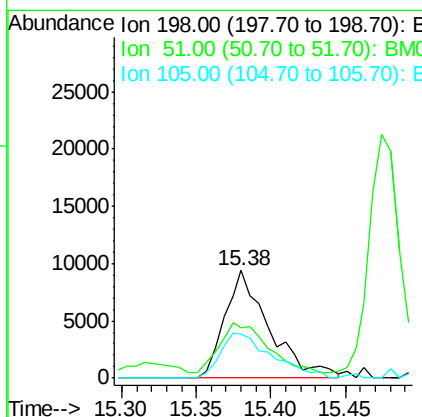
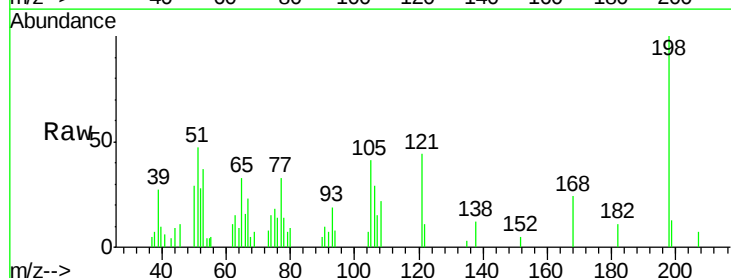
Instrument :  
BNA\_M  
ClientSampled :

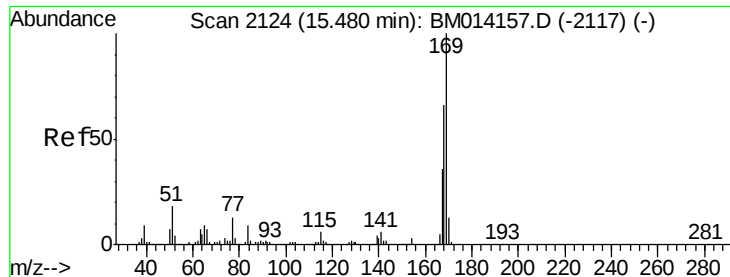
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.9   | 8.7   | 13.1# |
| 80      | 8.0   | 9.3   | 13.9# |



#64  
4,6-Dinitro-2-methylphenol  
Concen: 9.86 ng  
RT: 15.38 min Scan# 2107  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 46.6  | 28.8  | 68.8  |
| 105     | 40.8  | 30.5  | 70.5  |

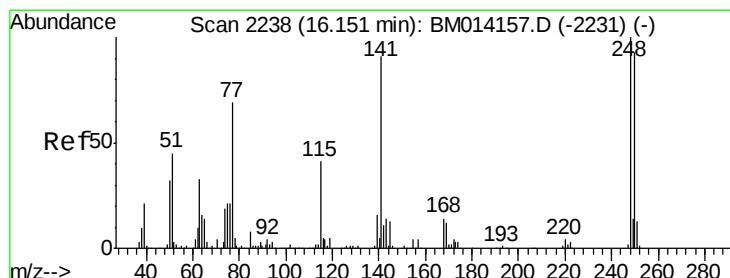
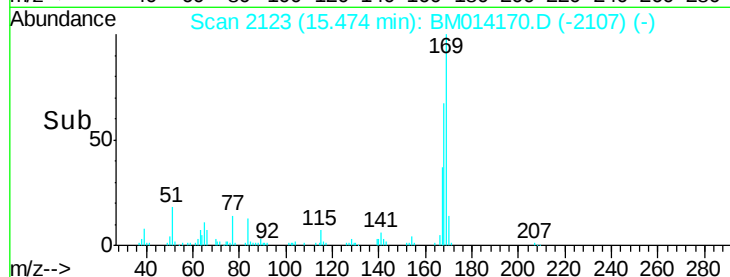
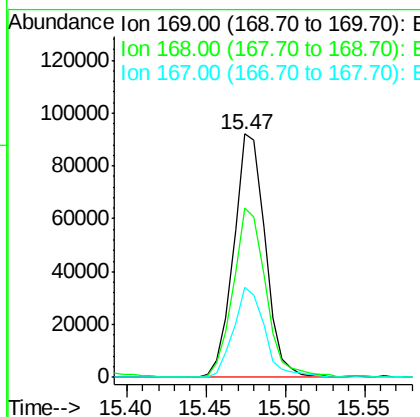
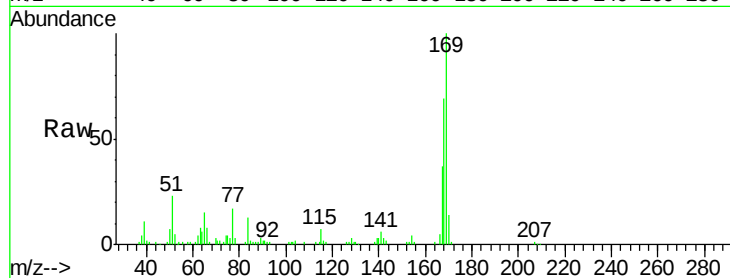




#65  
 n-Nitrosodiphenylamine  
 Concen: 6.88 ng  
 RT: 15.47 min Scan# 2123  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

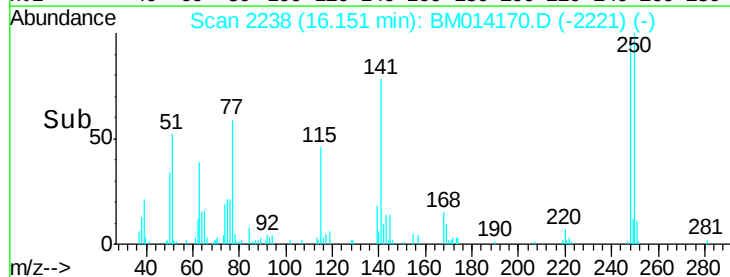
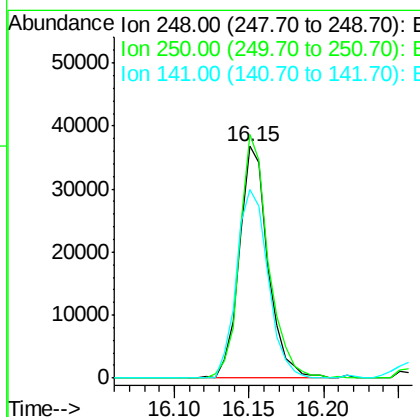
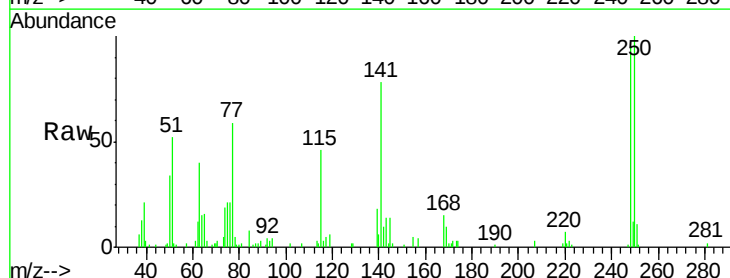
Instrument :  
 BNA\_M  
 ClientSampleId :

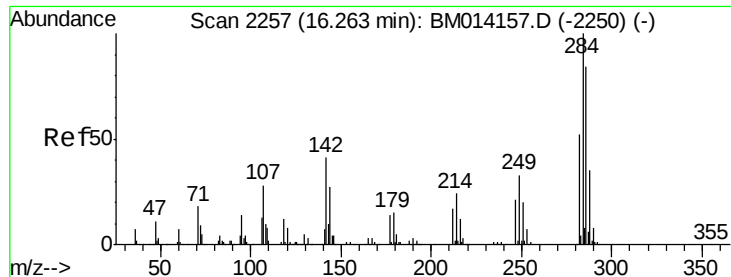
Tot Ion:169 Resp: 127659  
 Ion Ratio Lower Upper  
 169 100  
 168 69.5 53.9 80.9  
 167 36.9 28.9 43.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 7.12 ng  
 RT: 16.15 min Scan# 2238  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:248 Resp: 49063  
 Ion Ratio Lower Upper  
 248 100  
 250 105.2 77.4 116.0  
 141 81.6 45.2 67.8#

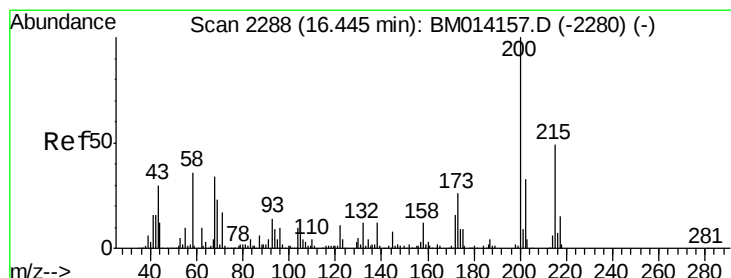
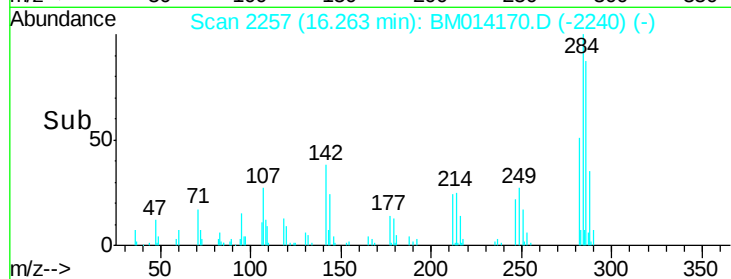
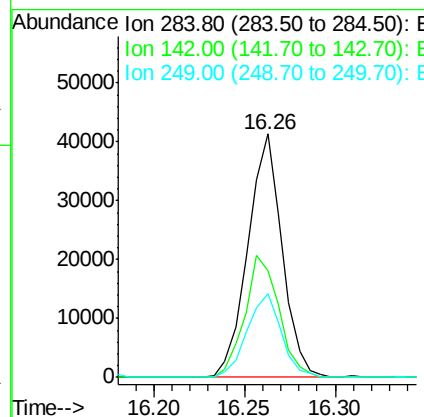
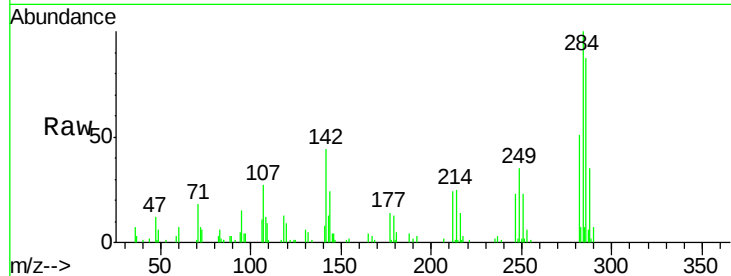




#67  
Hexachlorobenzene  
Concen: 7.15 ng  
RT: 16.26 min Scan# 2257  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

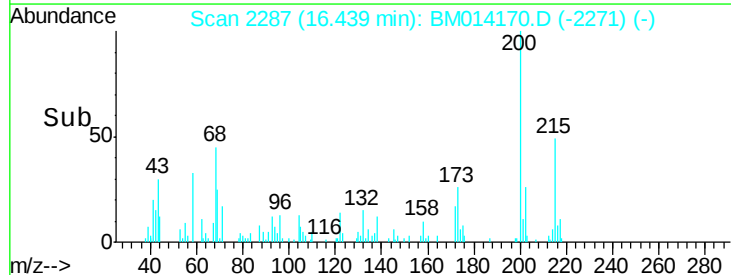
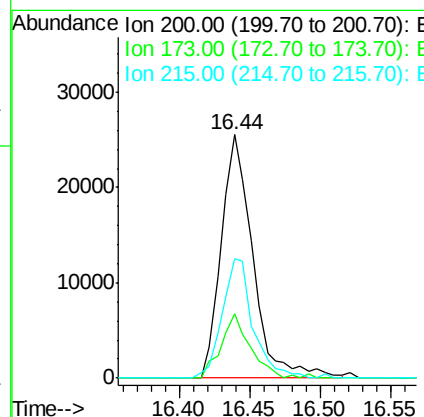
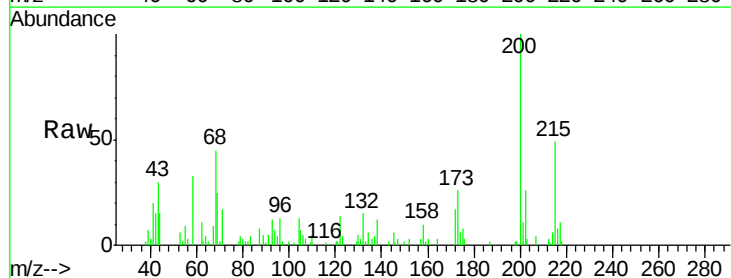
Instrument :  
BNA\_M  
ClientSampleId :

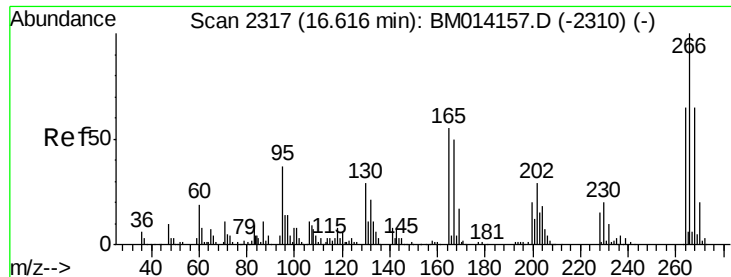
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 43.8  | 20.4  | 30.6  |
| 249     | 34.6  | 23.8  | 35.6  |



#68  
Atrazine  
Concen: 5.73 ng  
RT: 16.44 min Scan# 2287  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.2  | 4.8   | 44.8  |
| 215     | 49.0  | 26.9  | 66.9  |

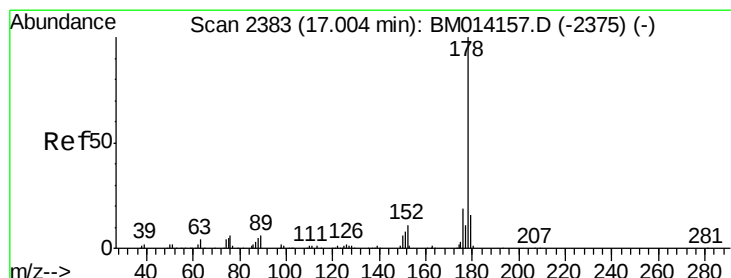
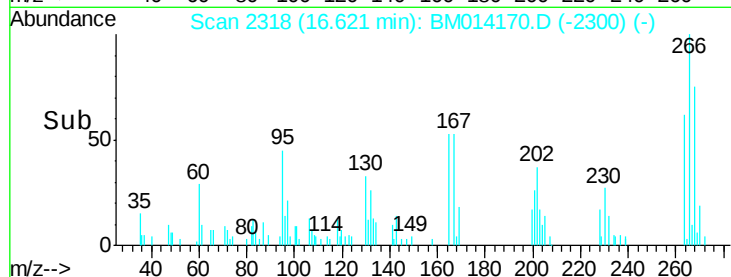
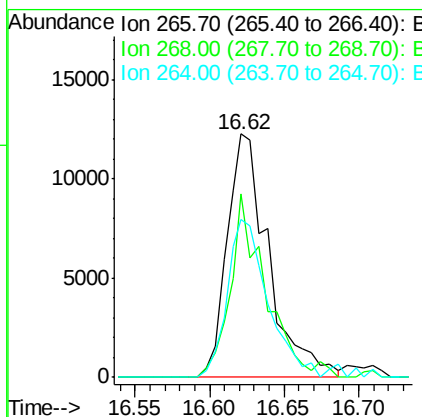
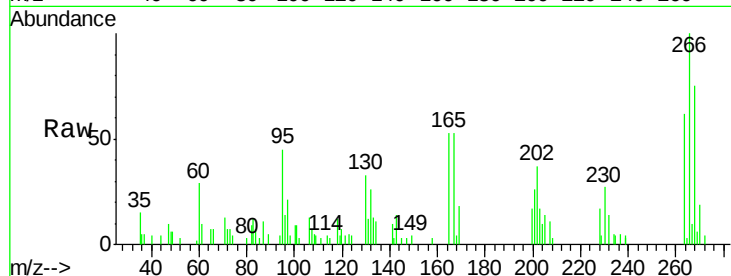




#69  
 Pentachlorophenol  
 Concen: 10.19 ng  
 RT: 16.62 min Scan# 2318  
 Delta R.T. 0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

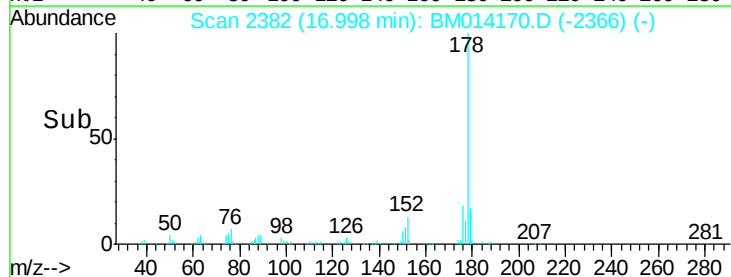
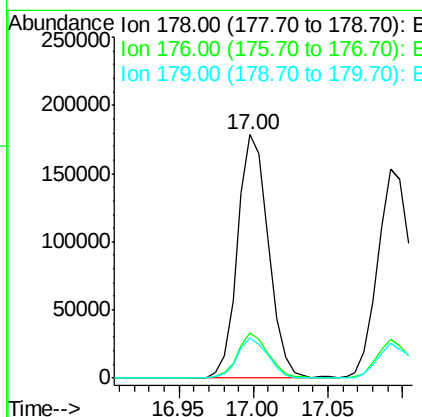
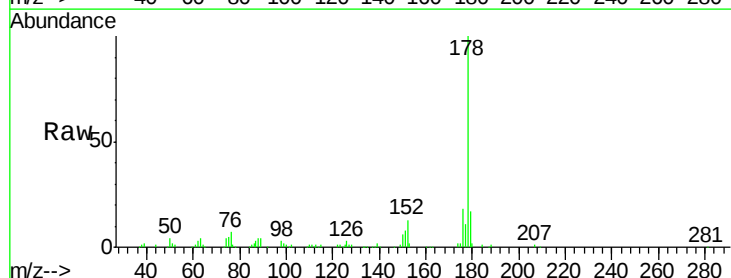
Instrument :  
 BNA\_M  
 ClientSampleId :

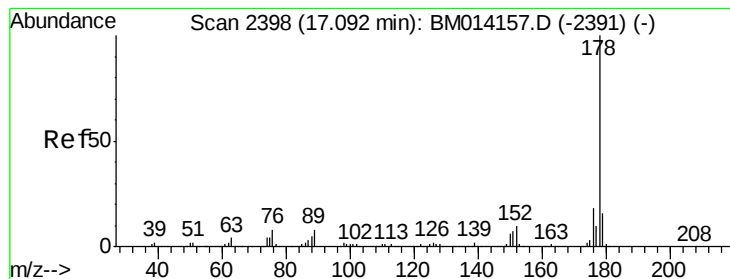
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 75.2  | 52.0  | 78.0  |
| 264     | 64.7  | 49.0  | 73.4  |



#70  
 Phenanthrene  
 Concen: 7.25 ng  
 RT: 17.00 min Scan# 2382  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.2  | 22.8  |
| 179     | 16.7  | 12.1  | 18.1  |





#71

Anthracene

Concen: 7.12 ng

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

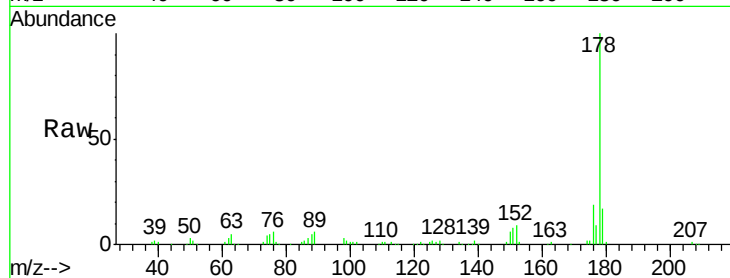
Tot Ion:178 Resp: 245986

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

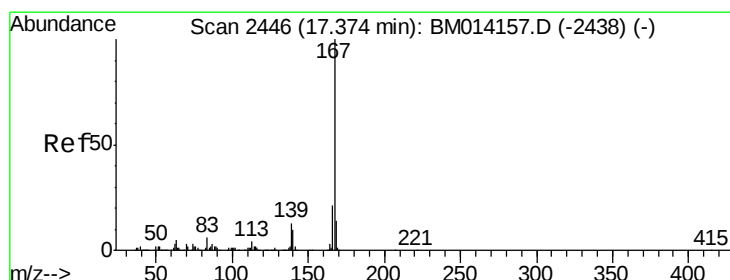
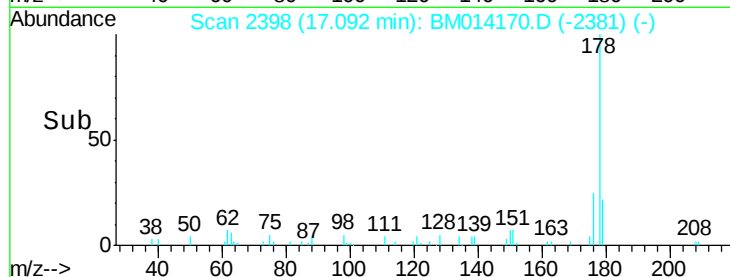
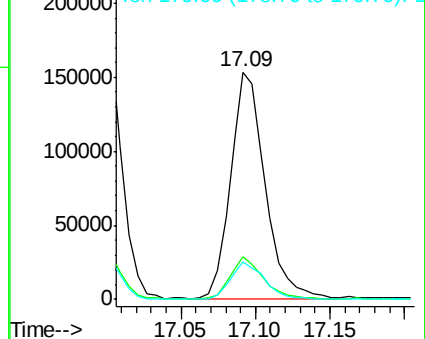
179 16.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 6.44 ng

RT: 17.38 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

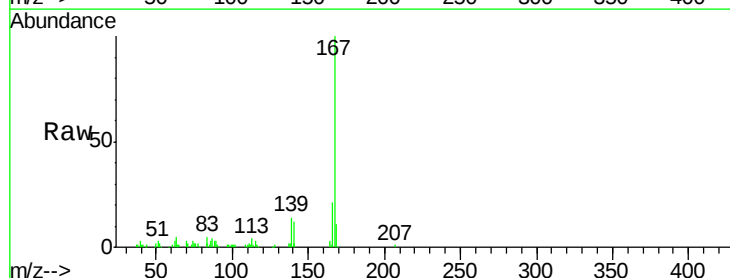
Tgt Ion:167 Resp: 209108

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

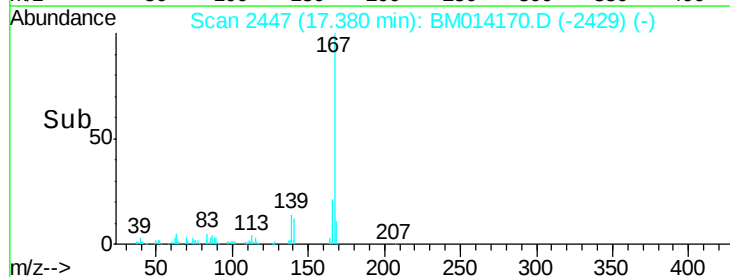
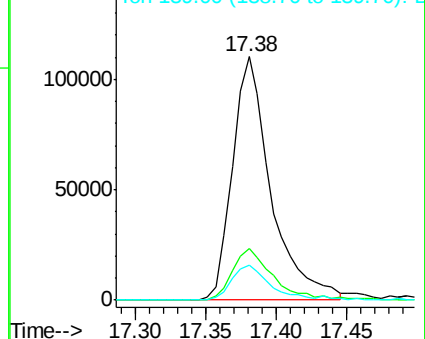
139 14.3 10.8 16.2

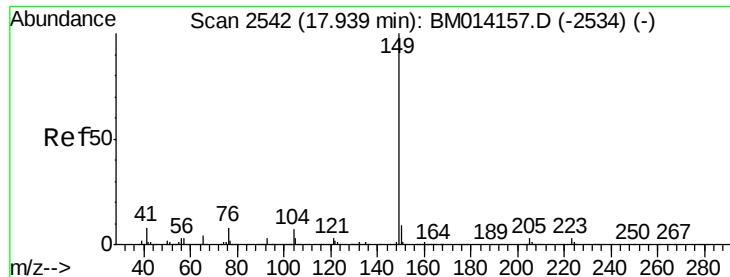


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

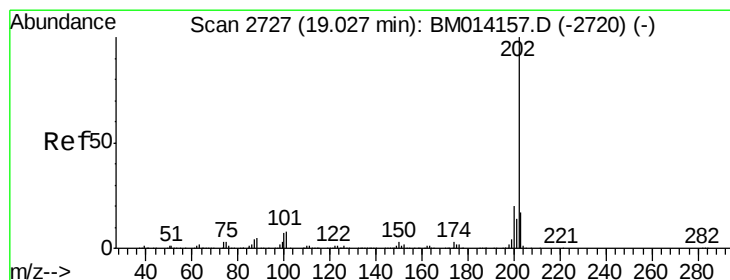
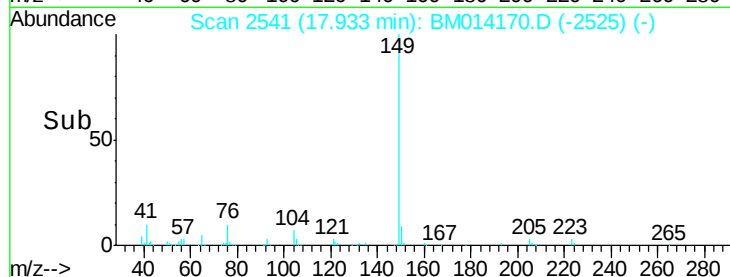
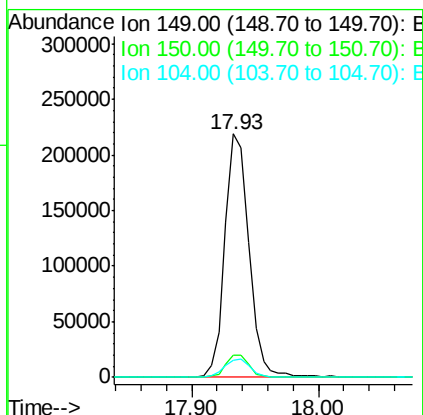
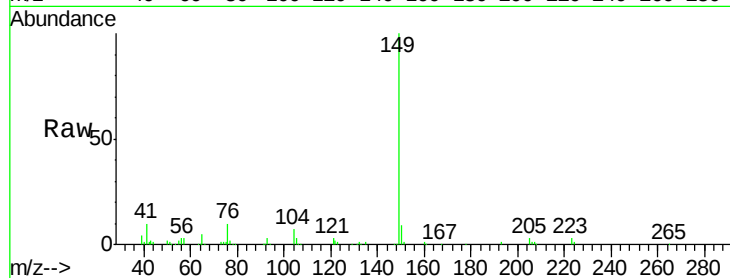




#73  
Di-n-butylphthalate  
Concen: 6.97 ng  
RT: 17.93 min Scan# 2541  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

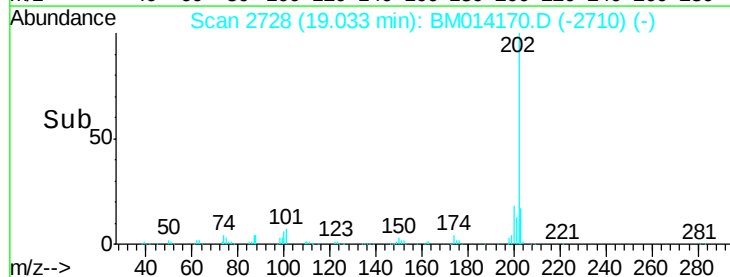
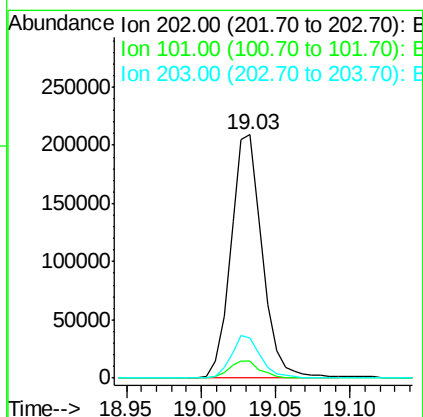
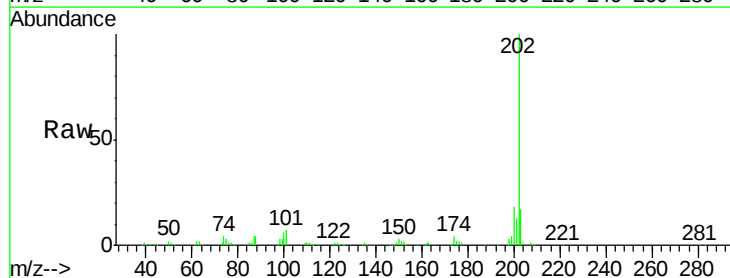
Instrument :  
BNA\_M  
ClientSampled :

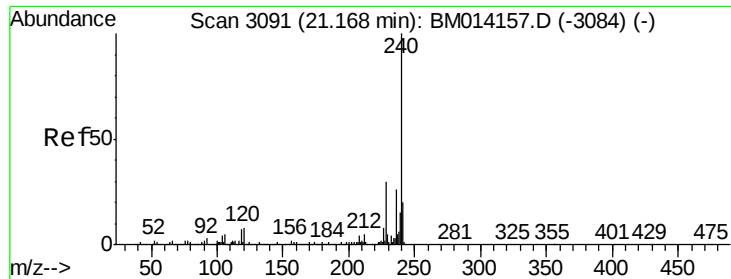
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.5   | 11.3  |
| 104     | 7.2   | 3.7   | 5.5   |



#74  
Fluoranthene  
Concen: 7.34 ng  
RT: 19.03 min Scan# 2728  
Delta R.T. 0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.9   | 0.0   | 28.7  |
| 203     | 16.6  | 0.0   | 37.2  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

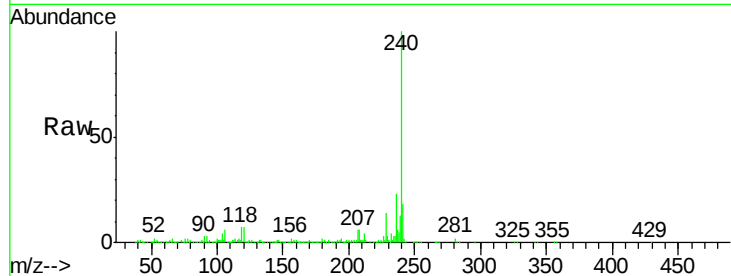
Tot Ion:240 Resp: 688860

Ion Ratio Lower Upper

240 100

120 6.8 8.2 12.2#

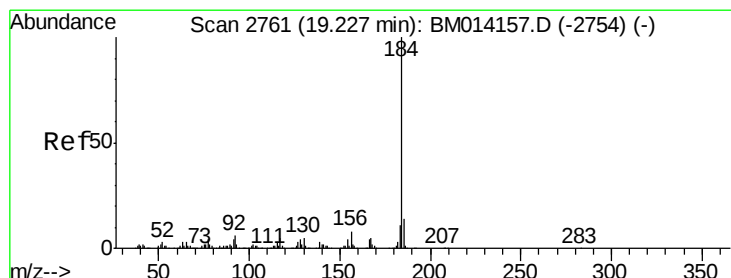
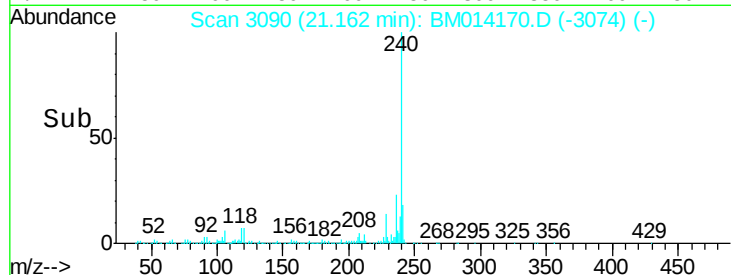
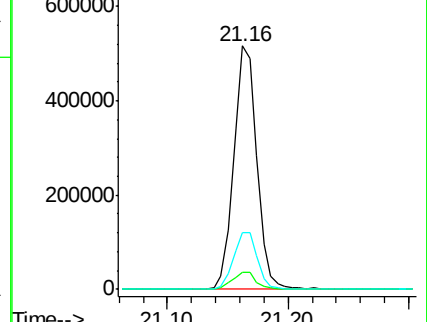
236 23.1 20.0 30.0



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: 2.20 ng

RT: 19.23 min Scan# 2762

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

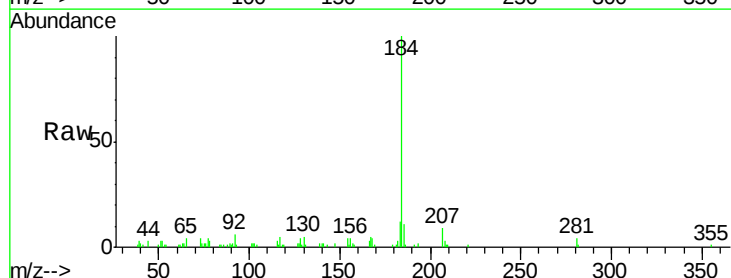
Tgt Ion:184 Resp: 45144

Ion Ratio Lower Upper

184 100

185 10.7 11.3 16.9#

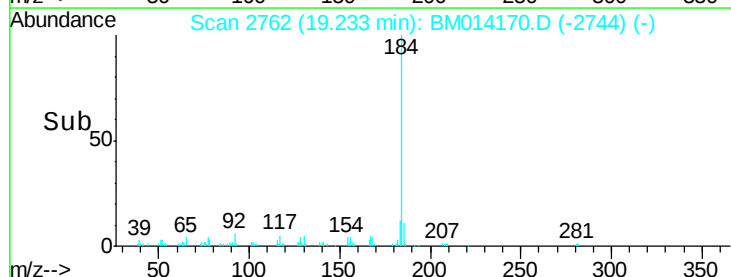
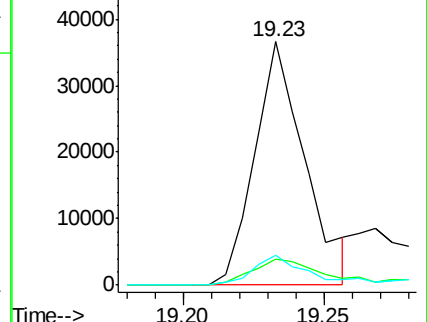
183 12.4 8.9 13.3

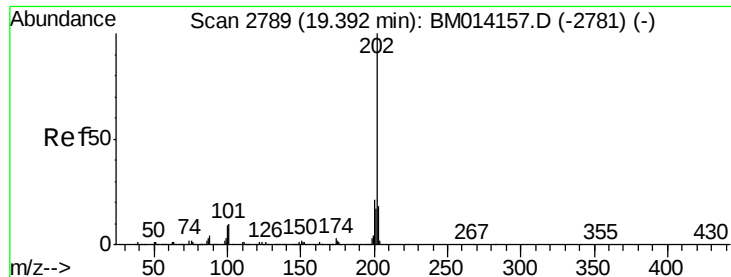


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.66 ng

RT: 19.40 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

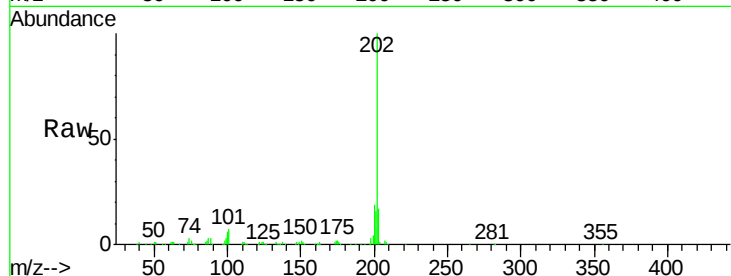
Tot Ion:202 Resp: 318574

Ion Ratio Lower Upper

202 100

200 18.5 16.9 25.3

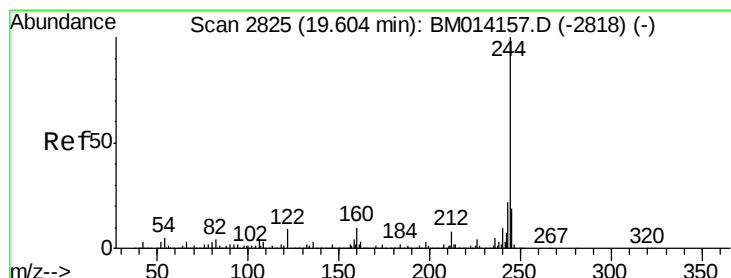
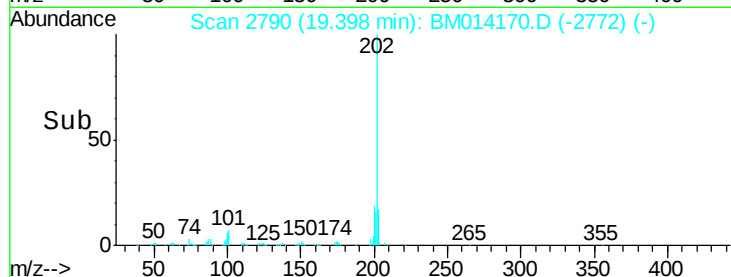
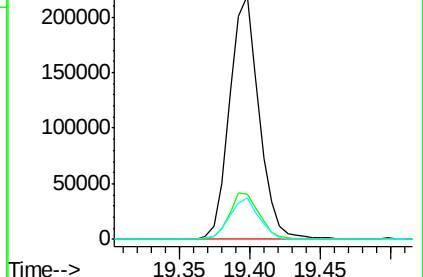
203 16.9 14.1 21.1



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: 96.48 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

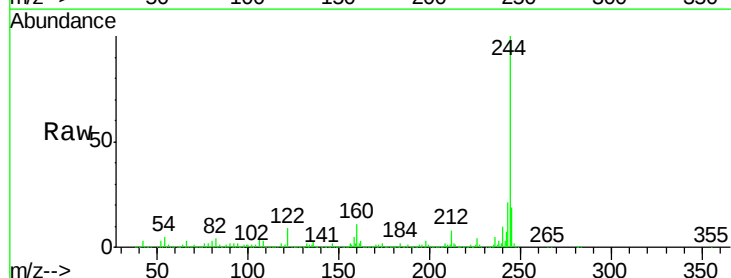
Tgt Ion:244 Resp: 3401513

Ion Ratio Lower Upper

244 100

212 8.5 4.9 7.3#

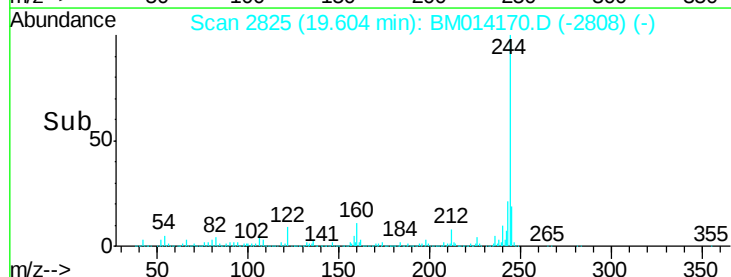
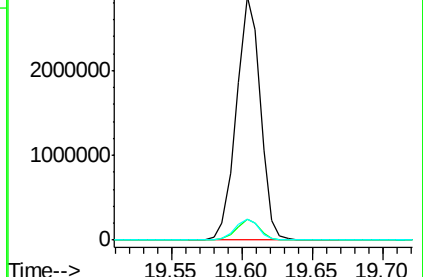
122 8.6 6.2 9.4

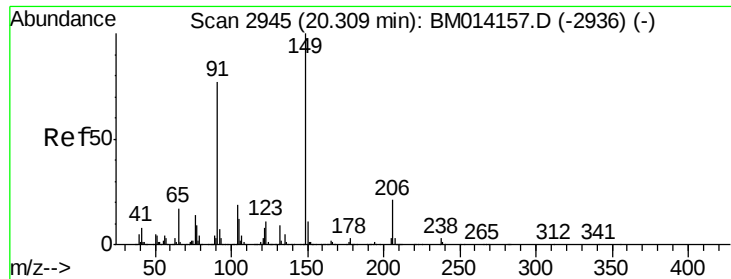


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

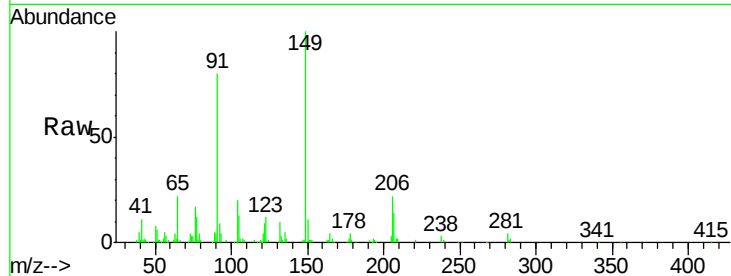




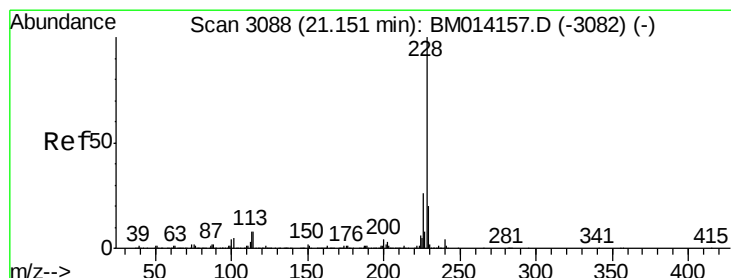
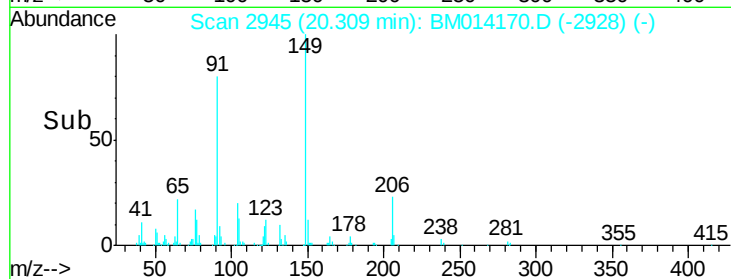
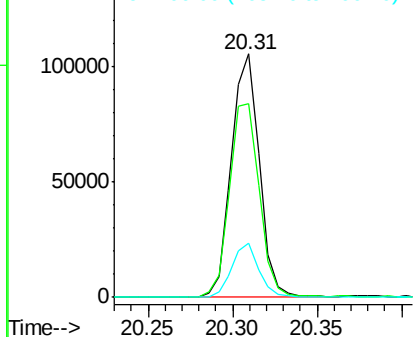
#79  
Butylbenzylphthalate  
Concen: 5.66 ng  
RT: 20.31 min Scan# 2945  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 79.7  | 50.1  | 75.1# |
| 206     | 22.5  | 16.2  | 24.2  |

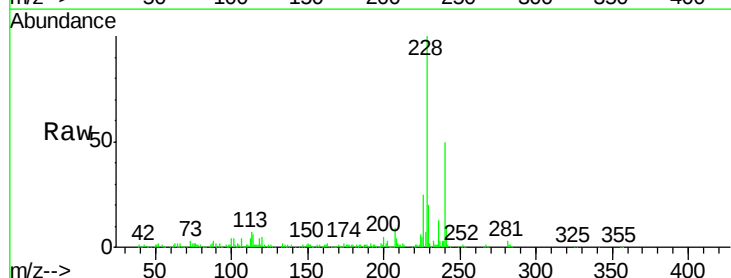


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM0  
Ion 206.00 (205.70 to 206.70): E

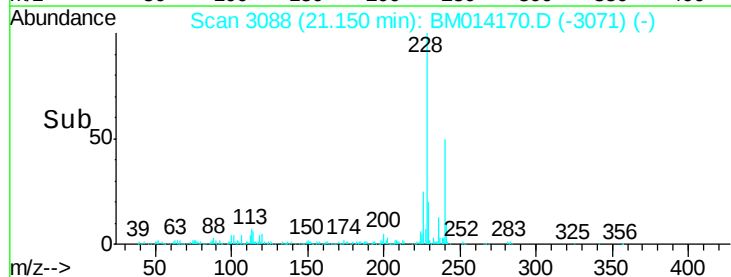
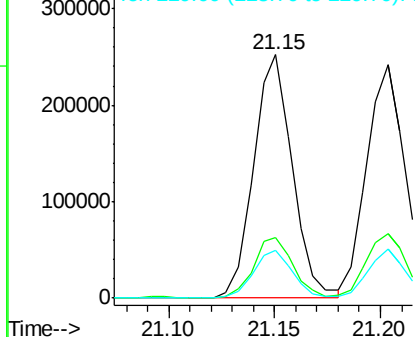


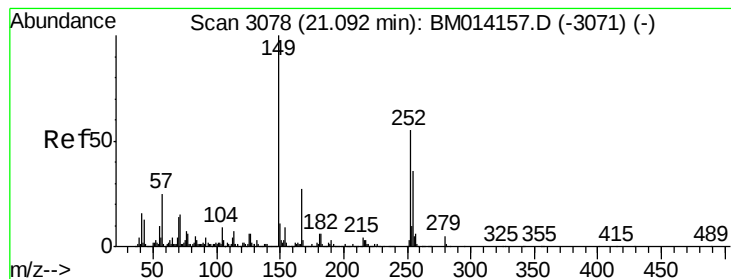
#80  
Benzo(a)anthracene  
Concen: 7.20 ng  
RT: 21.15 min Scan# 3088  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 25.1  | 21.7  | 32.5  |
| 229     | 19.6  | 16.0  | 24.0  |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

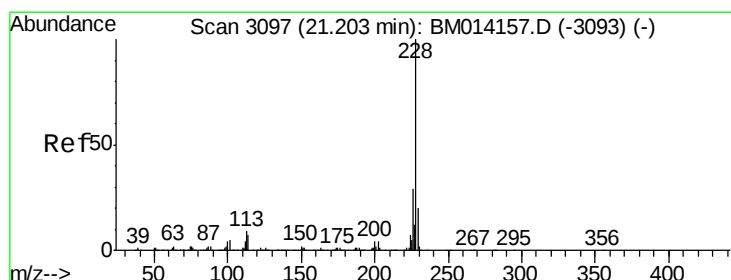
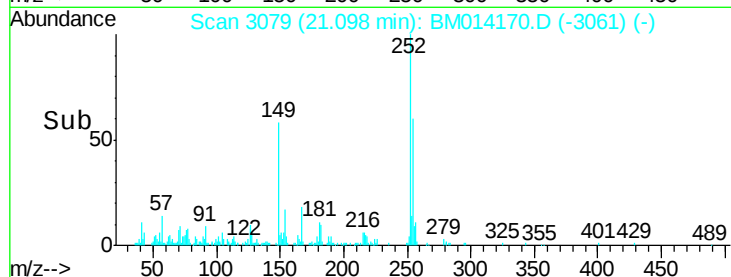
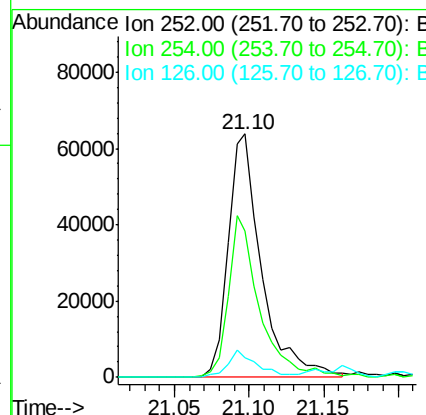
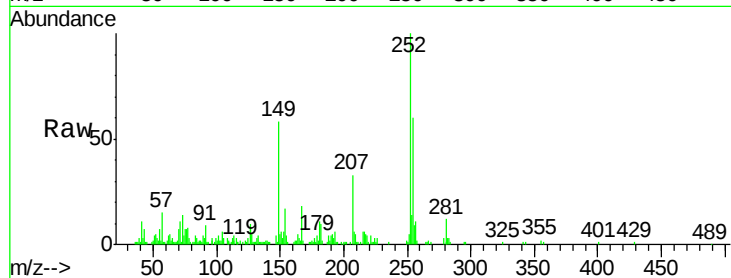




#81  
 3,3'-Dichlorobenzidine  
 Concen: 5.98 ng  
 RT: 21.10 min Scan# 3079  
 Delta R.T. 0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

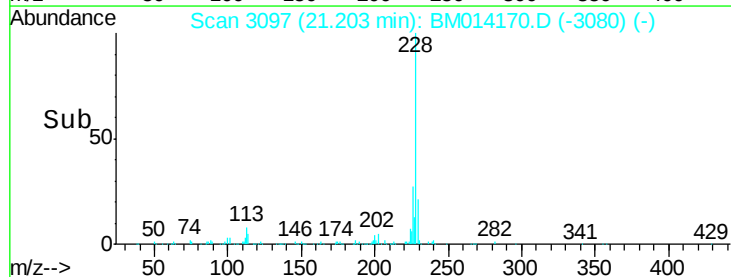
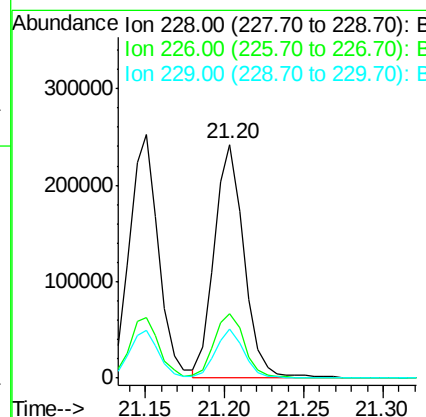
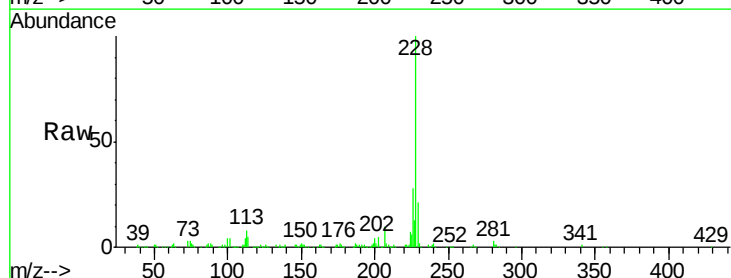
Instrument :  
 BNA\_M  
 ClientSampleId :

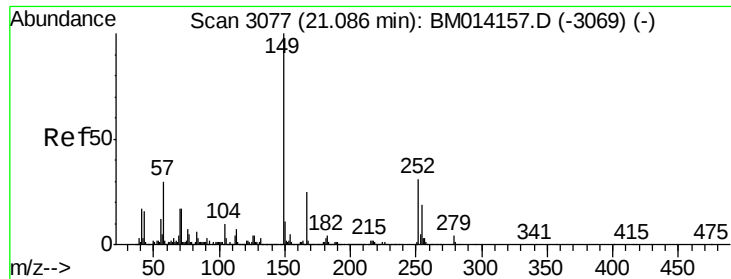
Tot Ion:252 Resp: 100071  
 Ion Ratio Lower Upper  
 252 100  
 254 60.3 51.9 77.9  
 126 8.1 9.8 14.8#



#82  
 Chrysene  
 Concen: 7.24 ng  
 RT: 21.20 min Scan# 3097  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

Tgt Ion:228 Resp: 314287  
 Ion Ratio Lower Upper  
 228 100  
 226 27.7 24.1 36.1  
 229 20.8 15.5 23.3

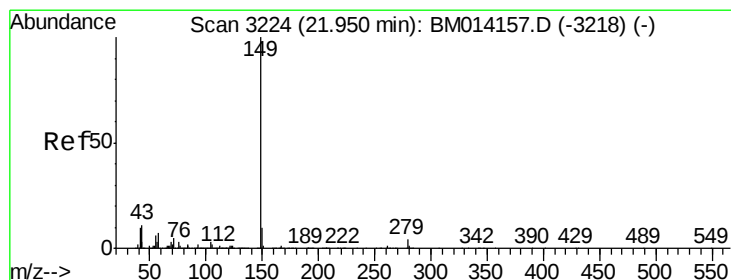
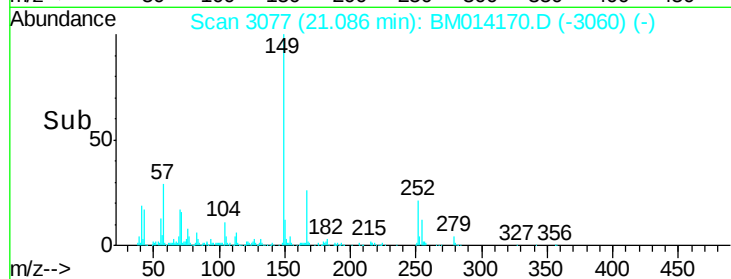
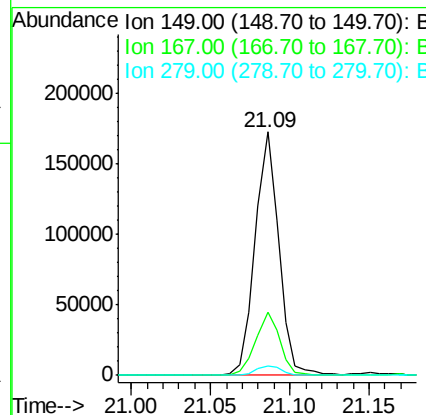
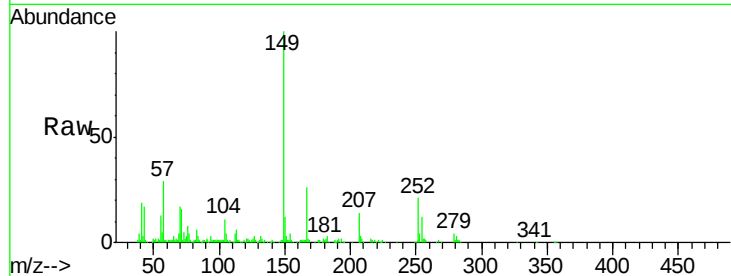




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.74 ng  
 RT: 21.09 min Scan# 3077  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

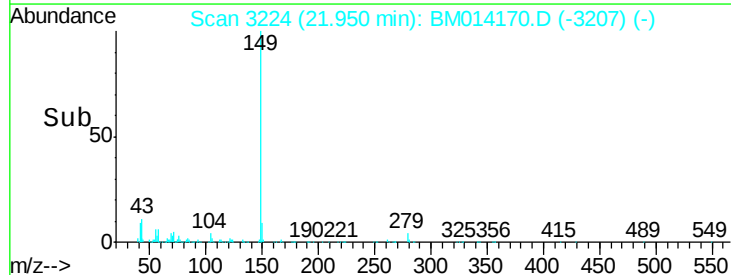
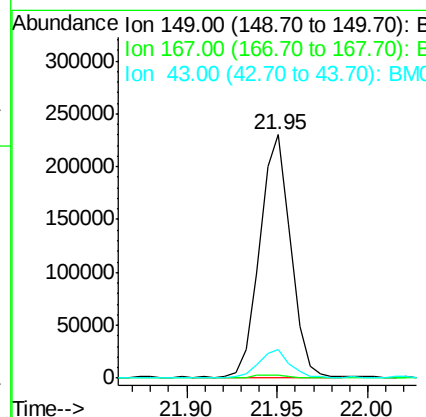
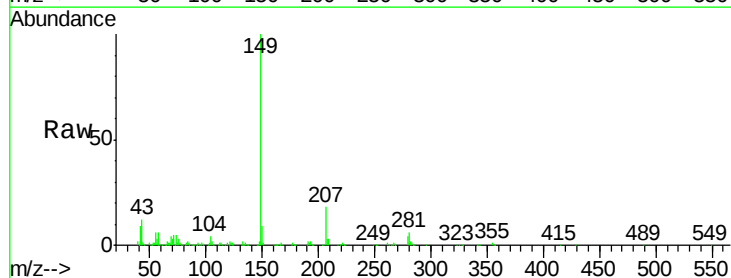
Instrument :  
 BNA\_M  
 ClientSampleId :

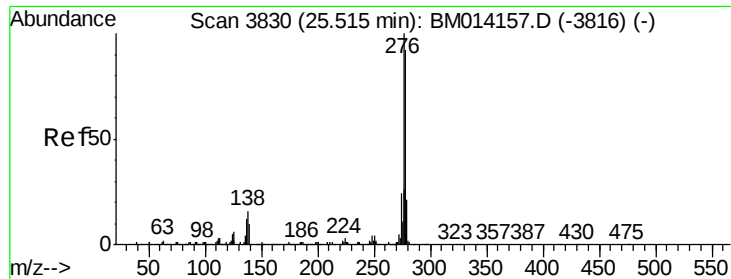
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.7  | 22.4  | 33.6  |
| 279     | 3.8   | 3.4   | 5.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 6.21 ng  
 RT: 21.95 min Scan# 3224  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 12.2  | 7.3   | 10.9  |

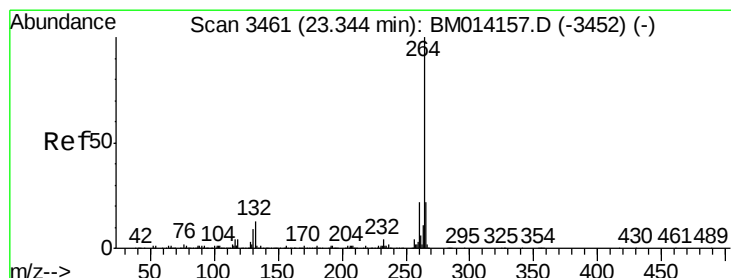
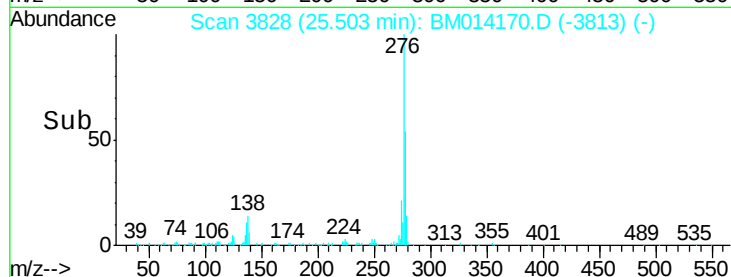
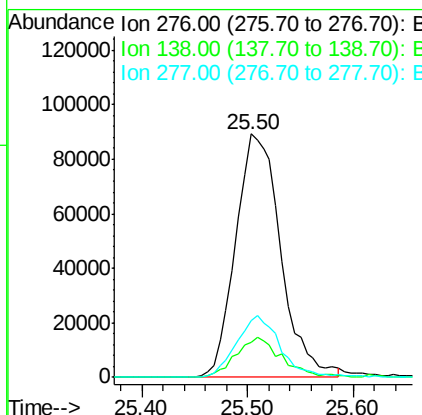
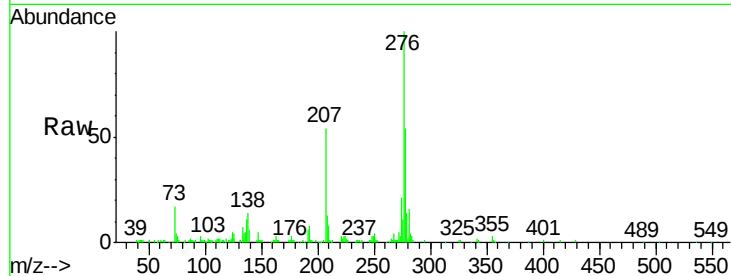




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.76 ng  
 RT: 25.50 min Scan# 3828  
 Delta R.T. -0.01 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

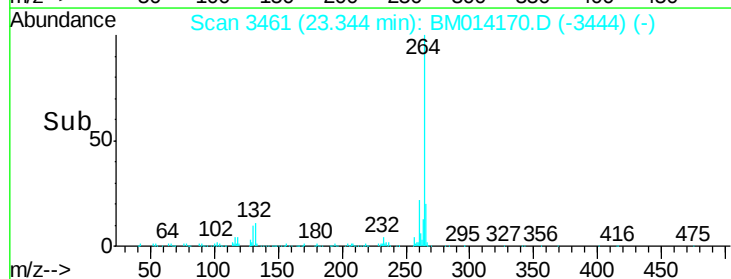
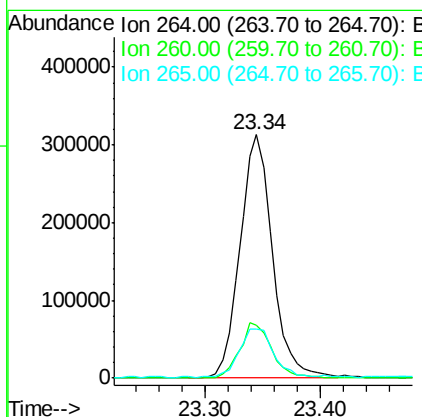
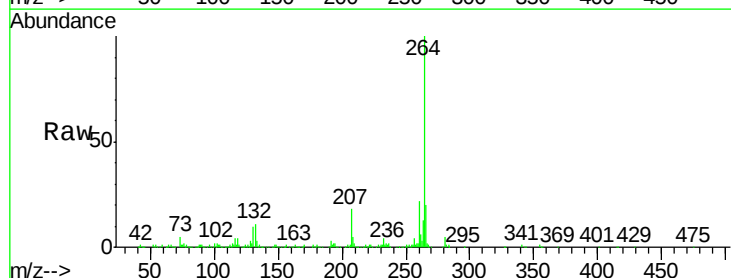
Instrument :  
 BNA\_M  
 ClientSampleId :

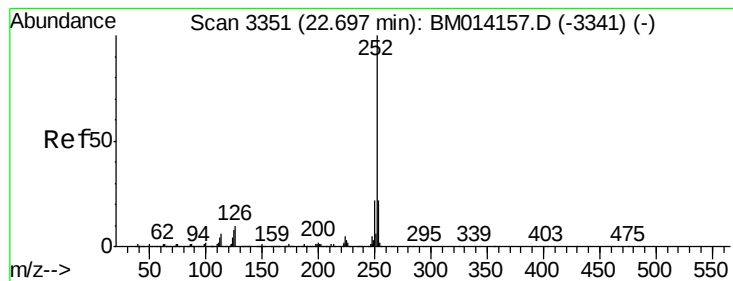
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.3  | 12.0  | 18.0  |
| 277     | 24.3  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.34 min Scan# 3461  
 Delta R.T. -0.00 min  
 Lab File: BM014170.D  
 Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.5  | 18.6  | 27.8  |
| 265     | 20.4  | 17.3  | 25.9  |





#87

Benzo(b)fluoranthene

Concen: 6.75 ng

RT: 22.70 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

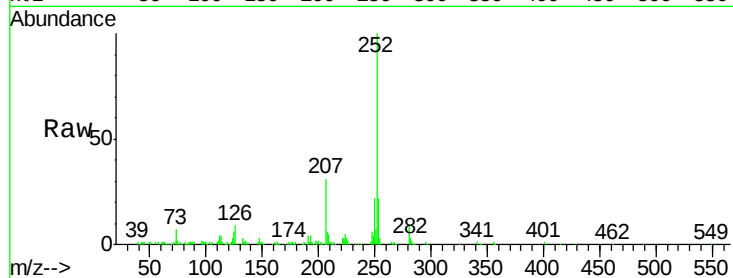
Tot Ion:252 Resp: 285917

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

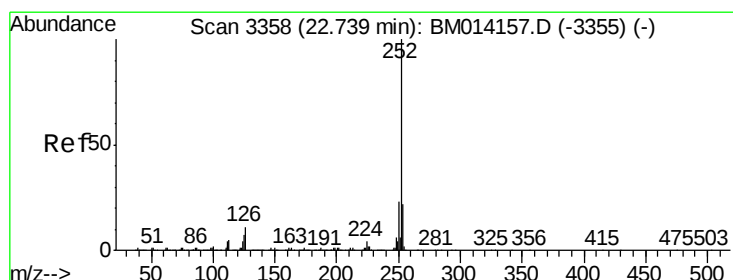
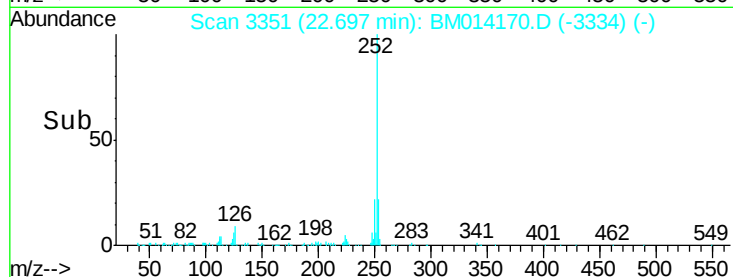
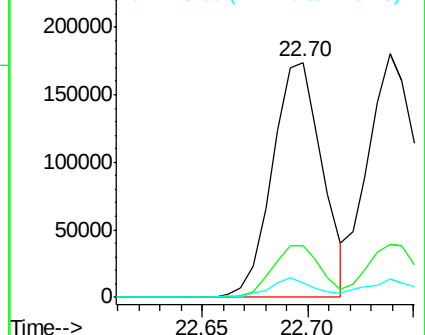
125 6.3 9.9 14.9#



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: 7.46 ng

RT: 22.74 min Scan# 3358

Delta R.T. -0.00 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

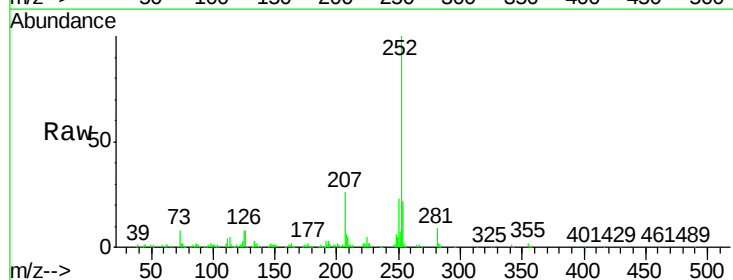
Tgt Ion:252 Resp: 300612

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

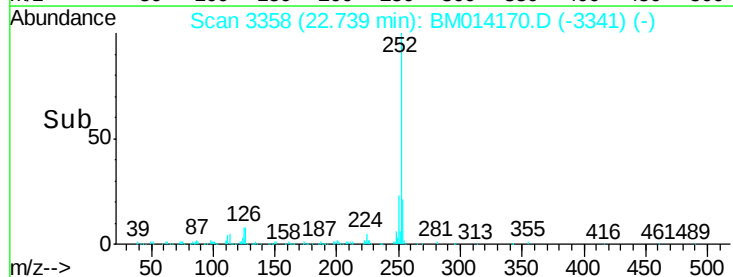
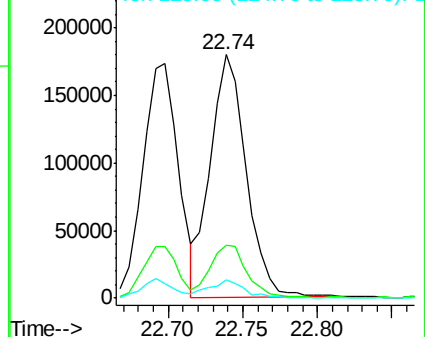
125 7.6 8.1 12.1#

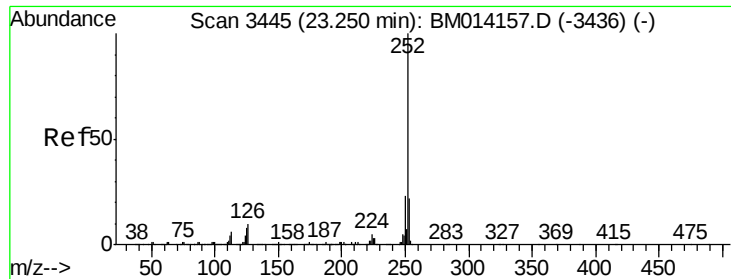


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

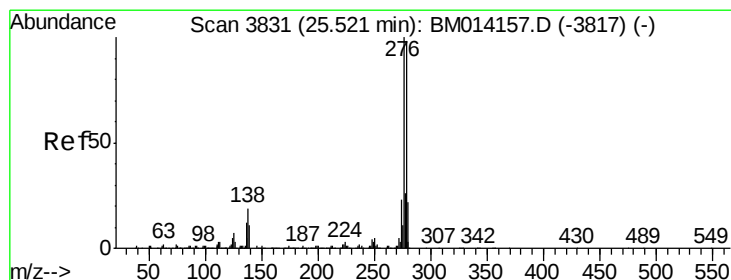
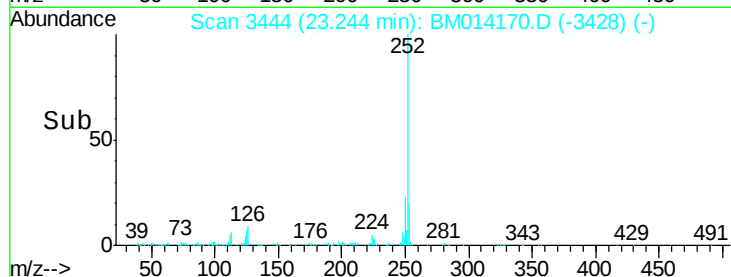
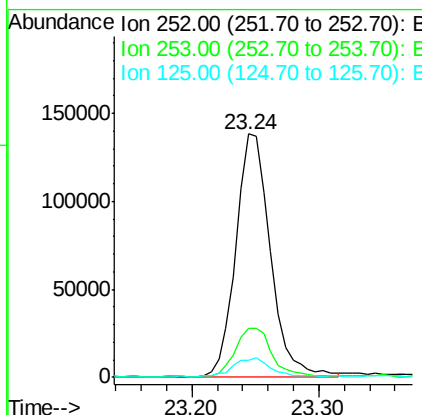
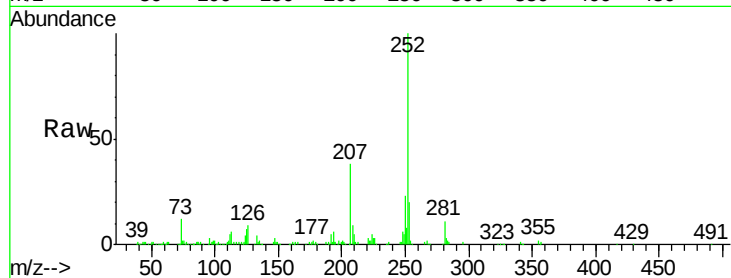




#89  
Benzo(a)pyrene  
Concen: 7.04 ng  
RT: 23.24 min Scan# 3444  
Delta R.T. -0.01 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

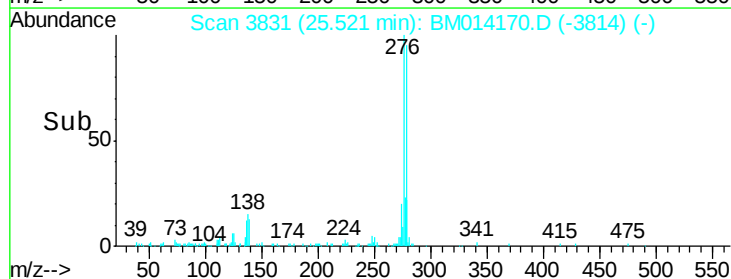
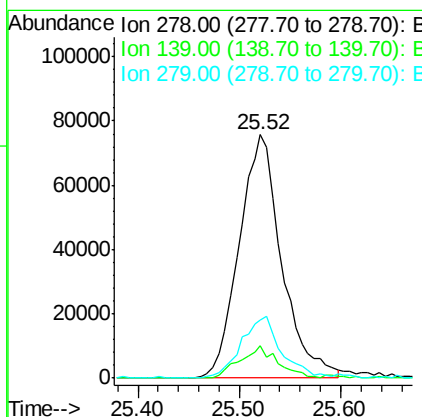
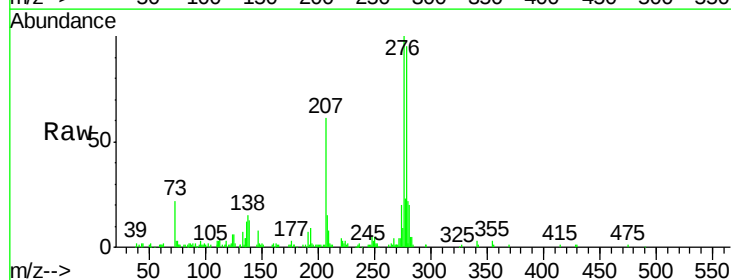
Instrument :  
BNA\_M  
ClientSampleId :

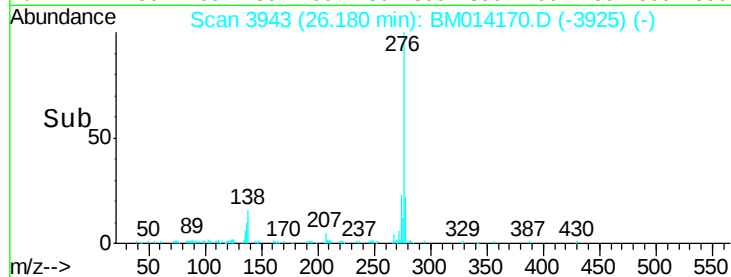
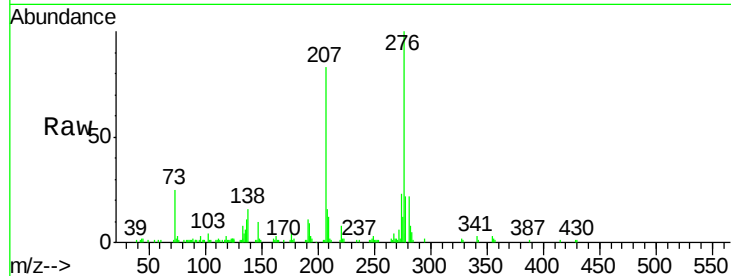
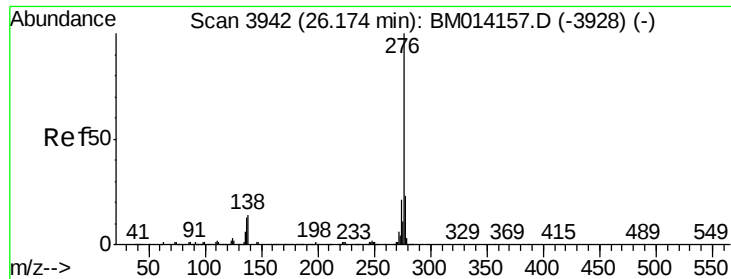
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.0  | 17.6  | 26.4  |
| 125     | 7.0   | 7.4   | 11.2# |



#90  
Dibenzo(a,h)anthracene  
Concen: 7.23 ng  
RT: 25.52 min Scan# 3831  
Delta R.T. -0.00 min  
Lab File: BM014170.D  
Acq: 07 Feb 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.5  | 13.4  | 20.0  |
| 279     | 23.6  | 19.0  | 28.4  |





#91

Benzo(a,h,i)perylene

Concen: 7.18 ng

RT: 26.18 min Scan# 3943

Delta R.T. 0.01 min

Lab File: BM014170.D

Acq: 07 Feb 2018 20:43

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:276 Resp: 204883

Ion Ratio Lower Upper

276 100

277 21.8 18.5 27.7

138 16.0 19.0 28.6#

