

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\  
 Data File : BM016267.D  
 Acq On : 09 Aug 2018 03:27  
 Operator : SJ/JU  
 Sample : J4247-02MSD 10X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 09 05:21:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 16:23:37 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.13  | 152  | 33786    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.95 | 136  | 134367   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.77 | 164  | 75452    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.50 | 188  | 154368   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.63 | 240  | 158396   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.97 | 264  | 170832   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 5) 2-Fluorophenol           | 5.67  | 112  | 19372    | 9.52 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 24542    | 9.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 21044    | 7.28 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 7903     | 8.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 39183    | 6.32 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 53622    | 7.09 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.46  | 88   | 2601     | 2.729  | ng    | # 100  |
| 8) 2-Chlorophenol              | 7.70  | 128  | 7383     | 3.054  | ng    | # 87   |
| 9) Benzaldehyde                | 7.30  | 77   | 6174     | 3.308  | ng    | # 71   |
| 10) Phenol                     | 7.33  | 94   | 8140     | 3.065  | ng    | # 96   |
| 11) bis(2-Chloroethyl)ether    | 7.56  | 93   | 5964     | 2.842  | ng    | # 93   |
| 12) 1,3-Dichlorobenzene        | 8.02  | 146  | 8485     | 2.999  | ng    | # 84   |
| 13) 1,4-Dichlorobenzene        | 8.17  | 146  | 8625     | 3.006  | ng    | # 88   |
| 14) 1,2-Dichlorobenzene        | 8.49  | 146  | 8685     | 3.093  | ng    | # 94   |
| 15) Benzyl Alcohol             | 8.40  | 79   | 8083     | 3.822  | ng    | # 80   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65  | 45   | 9351     | 2.912  | ng    | # 60   |
| 17) 2-Methylphenol             | 8.60  | 107  | 5476     | 3.016  | ng    | # 68   |
| 18) Hexachloroethane           | 9.20  | 117  | 3619     | 2.917  | ng    | # 82   |
| 19) n-Nitroso-di-n-propylamine | 8.95  | 70   | 5531     | 2.849  | ng    | # 51   |
| 20) 3+4-Methylphenols          | 8.93  | 107  | 6802     | 2.604  | ng    | # 65   |
| 22) Acetophenone               | 8.99  | 105  | 10815    | 3.197  | ng    | # 74   |
| 24) Nitrobenzene               | 9.37  | 77   | 8729     | 3.002  | ng    | # 92   |
| 25) Isophorone                 | 9.87  | 82   | 13588    | 3.439  | ng    | # 78   |
| 26) 2-Nitrophenol              | 10.08 | 139  | 3547     | 2.922  | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 10.13 | 122  | 6757     | 3.995  | ng    | # 81   |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93   | 9640     | 3.753  | ng    | # 21   |
| 29) 2,4-Dichlorophenol         | 10.63 | 162  | 5533     | 2.753  | ng    | # 83   |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180  | 7588     | 3.108  | ng    | # 90   |
| 31) Naphthalene                | 11.00 | 128  | 24932    | 3.666  | ng    | # 95   |
| 33) 4-Chloroaniline            | 11.15 | 127  | 6204     | 2.236  | ng    | # 50   |
| 34) Hexachlorobutadiene        | 11.26 | 225  | 5513     | 3.255  | ng    | # 96   |
| 35) Caprolactam                | 11.92 | 113  | 17793    | 31.967 | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107  | 7170     | 3.244  | ng    | # 68   |
| 37) 2-Methylnaphthalene        | 12.60 | 142  | 16477    | 3.617  | ng    | # 79   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216  | 8599     | 3.348  | ng    | # 100  |
| 42) 2,4,6-Trichlorophenol      | 13.22 | 196  | 4444     | 2.765  | ng    | # 86   |
| 43) 2,4,5-Trichlorophenol      | 13.30 | 196  | 5419     | 3.269  | ng    | # 1    |
| 45) 1,1'-Biphenyl              | 13.60 | 154  | 21851    | 3.209  | ng    | # 97   |
| 46) 2-Chloronaphthalene        | 13.66 | 162  | 17236    | 3.254  | ng    | # 65   |
| 47) 2-Nitroaniline             | 13.89 | 65   | 4503     | 2.572  | ng    | # 49   |

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 Sample : J4247-02MSD 10X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

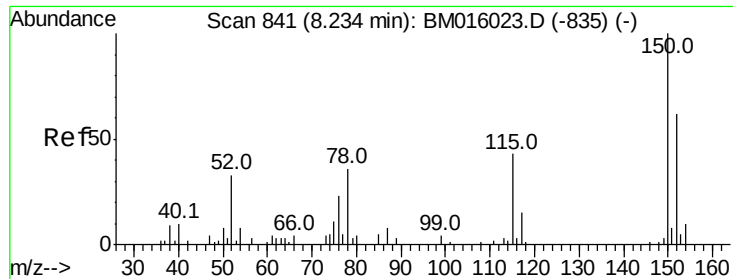
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 09 05:21:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 16:23:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 48) Acenaphthylene             | 14.50 | 152  | 31209    | 4.025 | nq    | # 76     |
| 49) Dimethylphthalate          | 14.22 | 163  | 26293    | 3.982 | nq    | # 91     |
| 50) 2,6-Dinitrotoluene         | 14.36 | 165  | 6353     | 4.782 | nq    | # 83     |
| 51) Acenaphthene               | 14.83 | 154  | 16498    | 3.460 | nq    | # 88     |
| 52) 3-Nitroaniline             | 14.72 | 138  | 4798     | 3.343 | nq    | # 76     |
| 54) Dibenzofuran               | 15.17 | 168  | 23742    | 3.021 | nq    | # 62     |
| 55) 4-Nitrophenol              | 15.06 | 139  | 3063     | 2.977 | nq    | # 29     |
| 56) 2,4-Dinitrotoluene         | 15.17 | 165  | 6123     | 3.223 | nq    | # 85     |
| 57) Fluorene                   | 15.82 | 166  | 21980    | 3.764 | nq    | # 90     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 4702     | 3.300 | nq    | # 100    |
| 59) Diethylphthalate           | 15.57 | 149  | 32296    | 4.538 | nq    | # 88     |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204  | 12664    | 3.896 | nq    | # 25     |
| 62) Azobenzene                 | 16.09 | 77   | 23611    | 3.150 | nq    | # 74     |
| 65) n-Nitrosodiphenylamine     | 16.02 | 169  | 21489    | 4.228 | nq    | # 88     |
| 66) 4-Bromophenyl-phenylether  | 16.69 | 248  | 6721     | 3.845 | nq    | # 25     |
| 67) Hexachlorobenzene          | 16.82 | 284  | 6146     | 3.193 | nq    | # 11     |
| 68) Atrazine                   | 16.96 | 200  | 6554     | 3.598 | nq    | # 79     |
| 69) Pentachlorophenol          | 17.17 | 266  | 6003     | 5.036 | nq    | # 93     |
| 70) Phenanthrene               | 17.55 | 178  | 31672    | 3.665 | nq    | # 84     |
| 71) Anthracene                 | 17.64 | 178  | 30810    | 3.668 | nq    | # 89     |
| 72) Carbazole                  | 17.92 | 167  | 33747    | 3.878 | nq    | # 81     |
| 73) Di-n-butylphthalate        | 18.43 | 149  | 39662    | 3.658 | nq    | # 89     |
| 74) Fluoranthene               | 19.54 | 202  | 34775    | 3.607 | nq    | # 96     |
| 77) Pyrene                     | 19.90 | 202  | 42384    | 4.465 | nq    | # 96     |
| 79) Butylbenzylphthalate       | 20.76 | 149  | 16903    | 3.505 | nq    | # 72     |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 37445    | 3.838 | nq    | # 99     |
| 81) 3,3'-Dichlorobenzidine     | 21.55 | 252  | 9450     | 2.405 | nq    | # 98     |
| 82) Chrysene                   | 21.67 | 228  | 33840    | 3.616 | nq    | # 97     |
| 83) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 25067    | 3.587 | nq    | # 87     |
| 84) Di-n-octyl phthalate       | 22.40 | 149  | 42548    | 3.623 | nq    | # 85     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.36 | 276  | 43068    | 3.878 | nq    | # 96     |
| 87) Benzo(b)fluoranthene       | 23.31 | 252  | 32809    | 3.262 | nq    | # 98     |
| 88) Benzo(k)fluoranthene       | 23.31 | 252  | 36804    | 3.611 | nq    | # 98     |
| 89) Benzo(a)pyrene             | 23.87 | 252  | 34668    | 3.585 | nq    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 26.36 | 278  | 34963    | 3.490 | nq    | # 94     |
| 91) Benzo(a,h,i)perylene       | 27.09 | 276  | 34145    | 3.604 | nq    | # 92     |

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



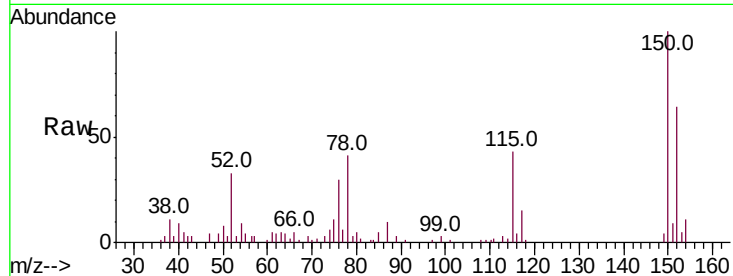


#1

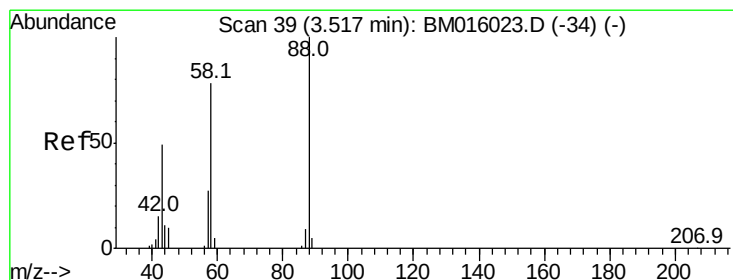
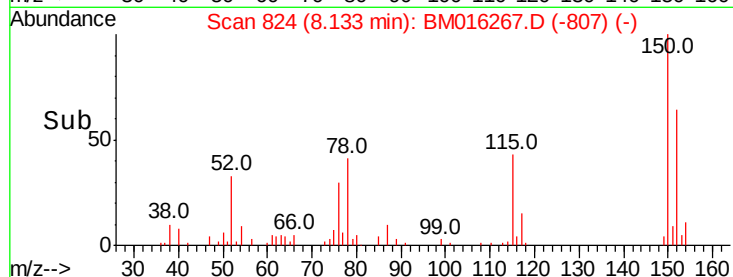
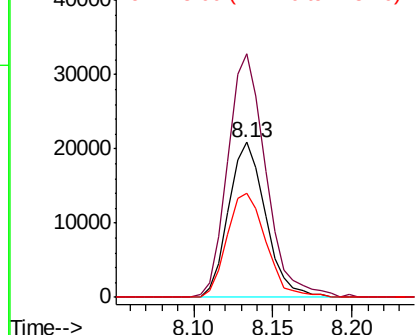
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.13 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 33786  
Ion Ratio Lower Upper  
152 100  
150 157.2 119.5 179.3  
115 67.4 43.0 64.4#



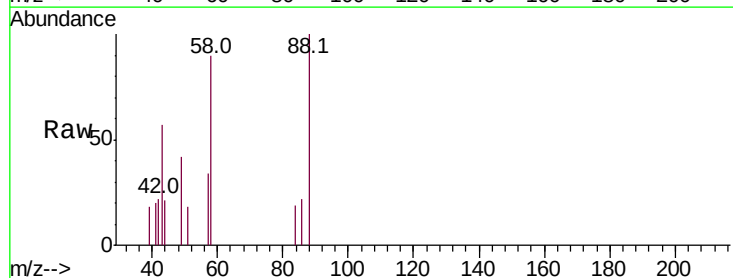
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



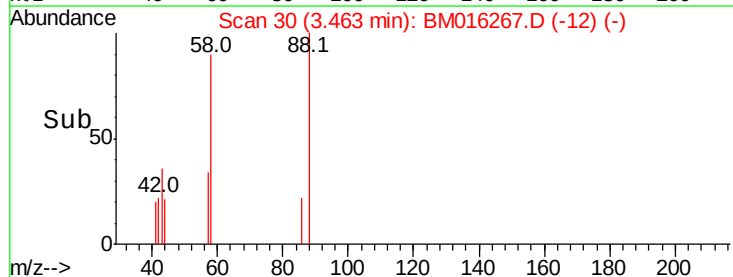
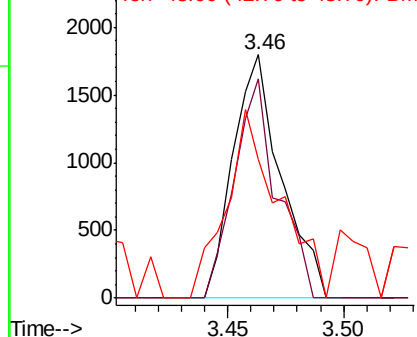
#2

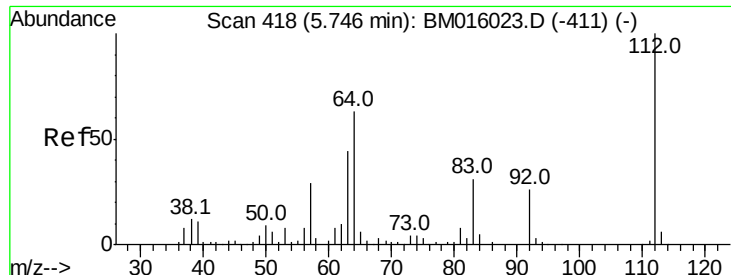
1,4-Dioxane  
Concen: 2.729 ng  
RT: 3.46 min Scan# 30  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion: 88 Resp: 2601  
Ion Ratio Lower Upper  
88 100  
58 80.9 0.0 0.0#  
43 85.7 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





#5

2-Fluorophenol

Concen: Below ng

RT: 5.67 min Scan# 405

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

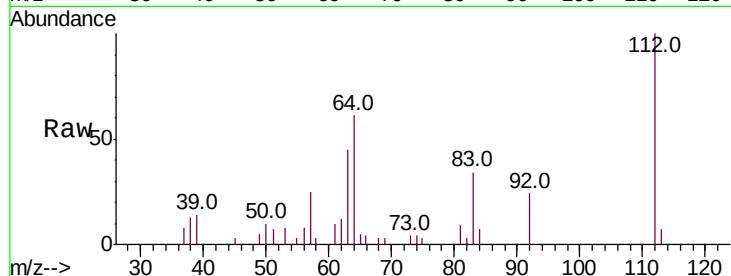
Tot Ion:112 Resp: 19372

Ion Ratio Lower Upper

112 100

64 61.0 38.6 57.8#

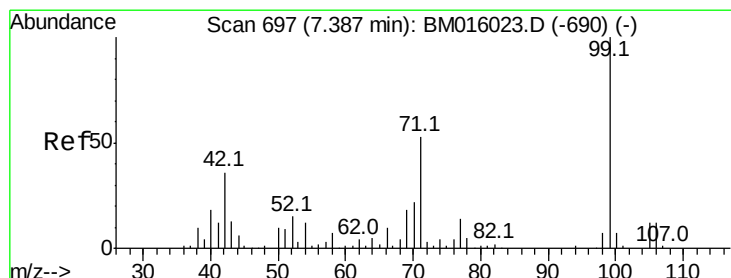
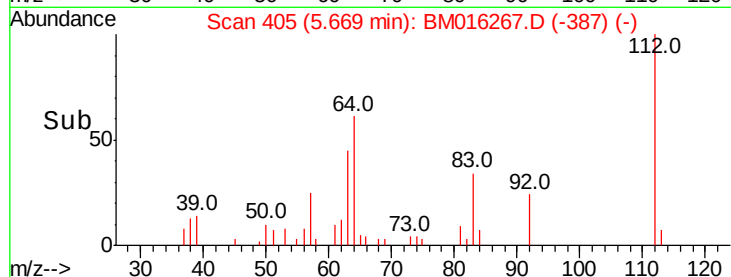
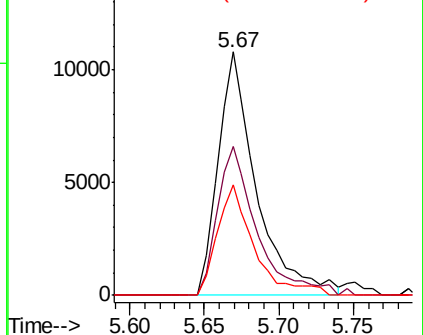
63 45.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: Below ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

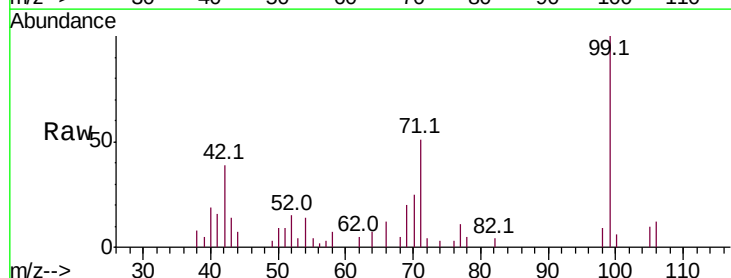
Tgt Ion: 99 Resp: 24542

Ion Ratio Lower Upper

99 100

42 39.1 11.0 16.4#

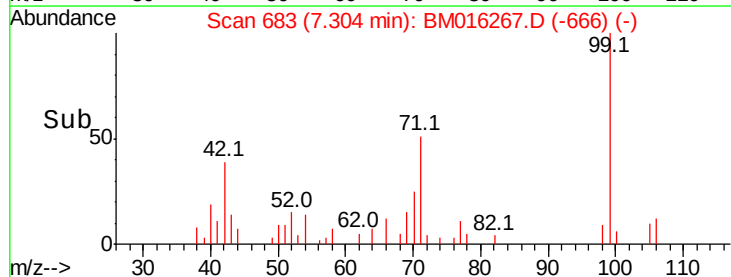
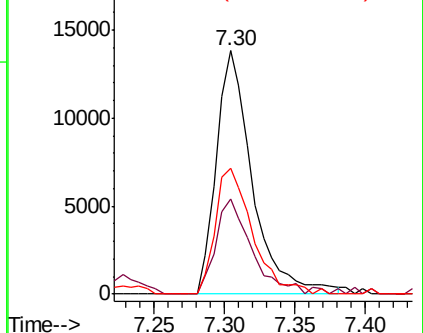
71 51.4 23.4 35.2#

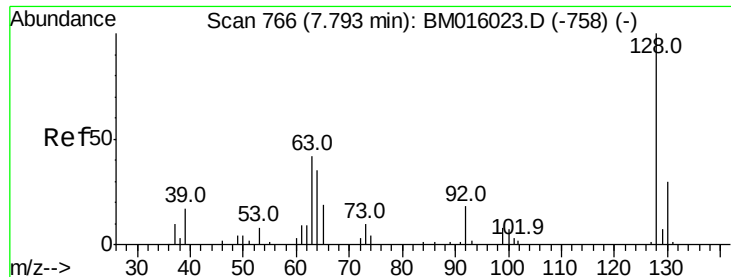


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 3.054 ng

RT: 7.70 min Scan# 750

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

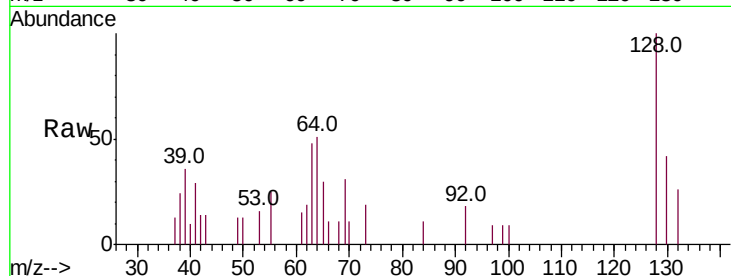
Tot Ion:128 Resp: 7383

Ion Ratio Lower Upper

128 100

130 42.4 12.0 52.0

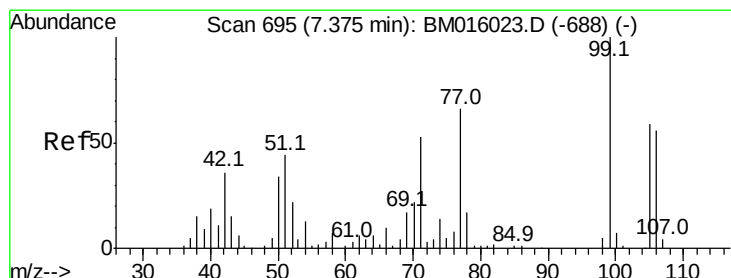
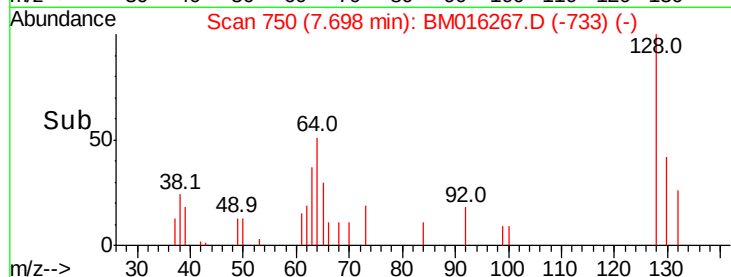
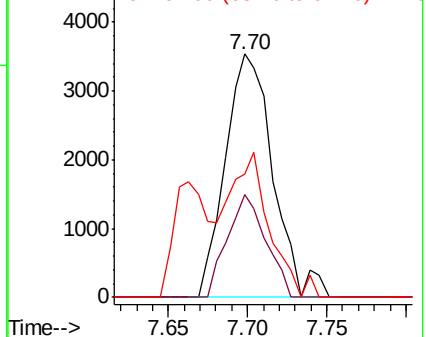
64 50.8 24.9 64.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 3.308 ng

RT: 7.30 min Scan# 682

Delta R.T. 0.02 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

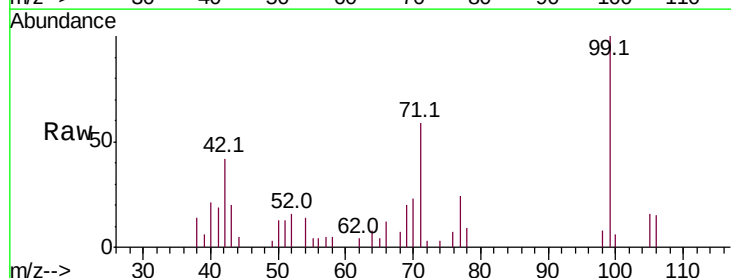
Tgt Ion: 77 Resp: 6174

Ion Ratio Lower Upper

77 100

105 70.0 78.8 118.8#

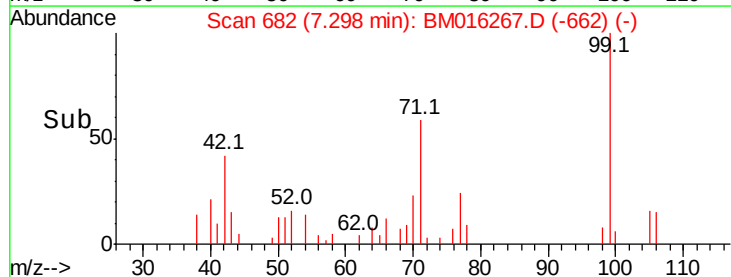
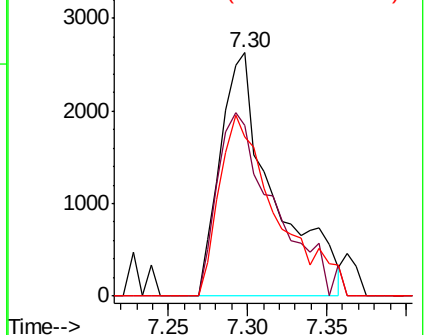
106 65.3 73.7 113.7#

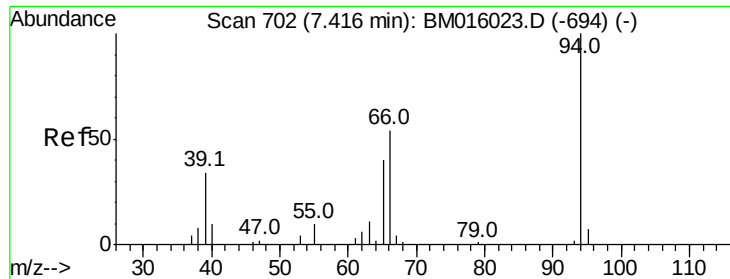


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.065 ng

RT: 7.33 min Scan# 687

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

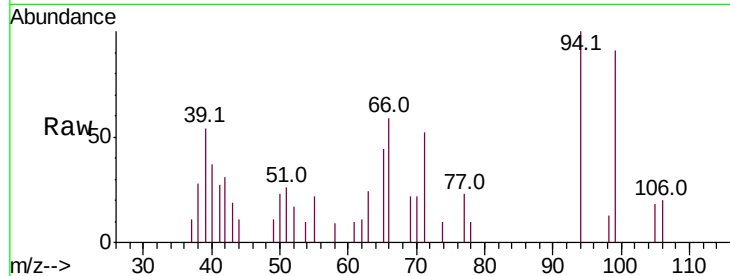
Tot Ion: 94 Resp: 8140

Ion Ratio Lower Upper

94 100

65 44.5 18.8 58.8

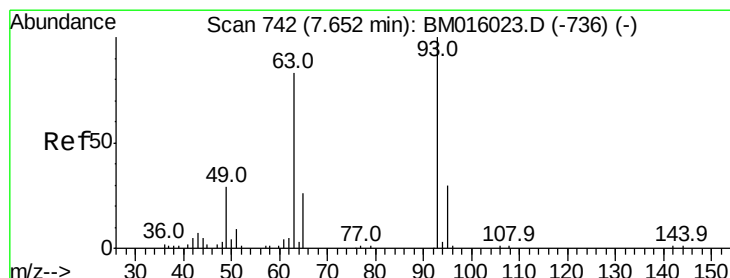
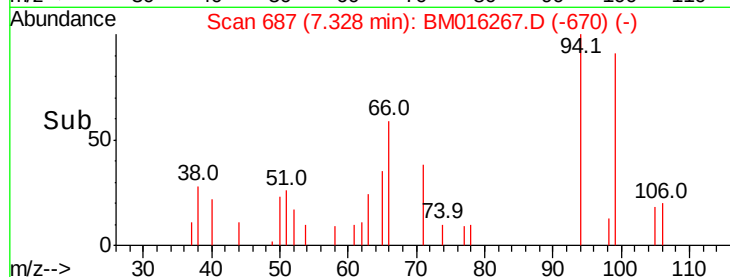
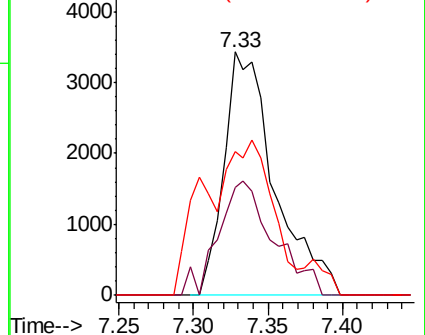
66 59.0 39.9 79.9



Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)



#11

bis(2-Chloroethyl)ether

Concen: 2.842 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

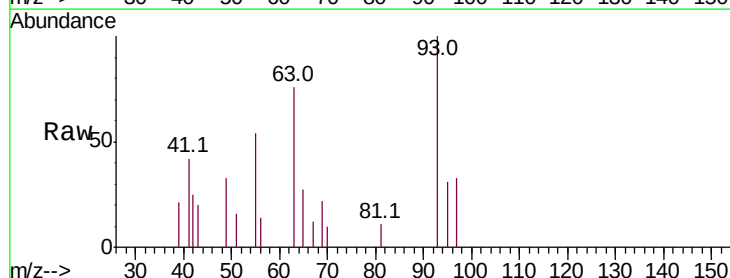
Tgt Ion: 93 Resp: 5964

Ion Ratio Lower Upper

93 100

63 76.0 49.5 89.5

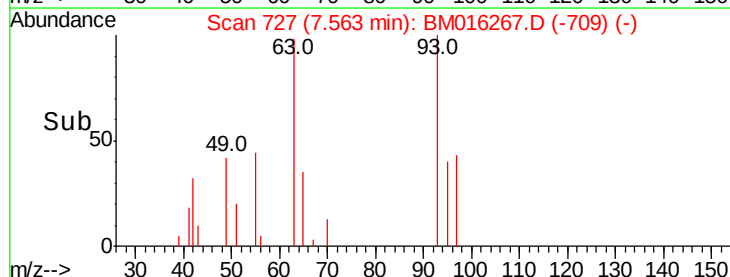
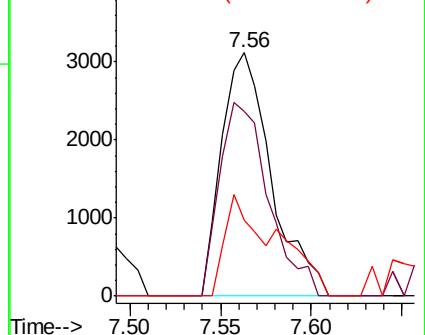
95 31.4 13.5 53.5

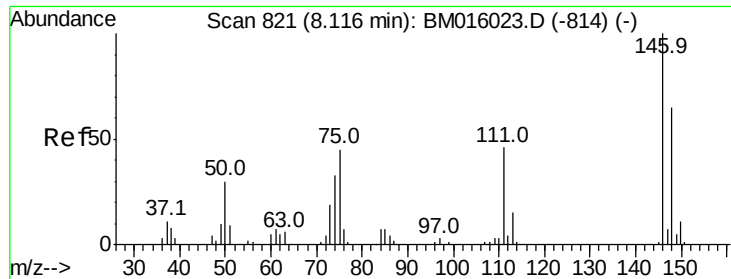


Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-736) (-)

Ion 63.00 (62.70 to 63.70): BM016023.D (-736) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-736) (-)





#12

1,3-Dichlorobenzene

Concen: 2.999 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

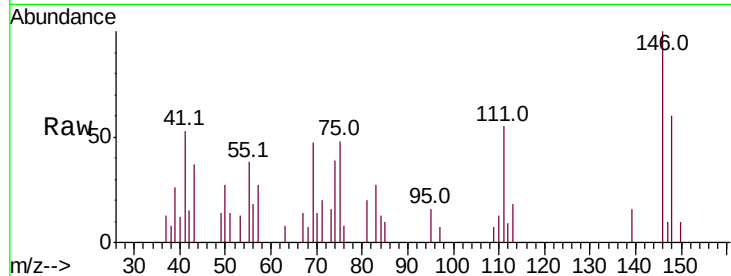
Tot Ion:146 Resp: 8485

Ion Ratio Lower Upper

146 100

148 59.9 50.9 76.3

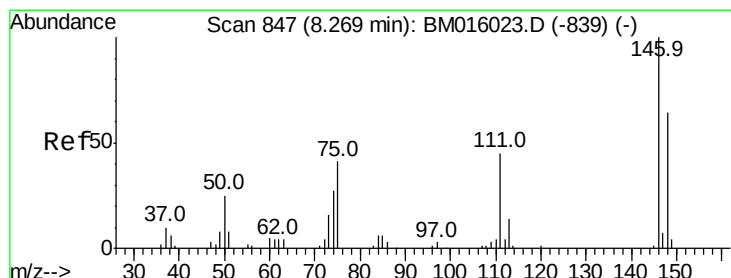
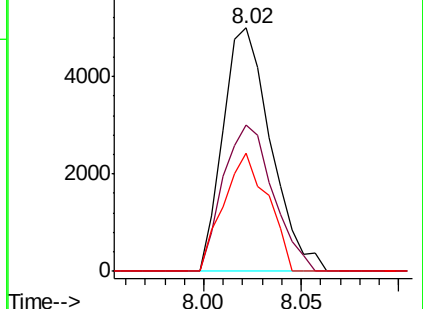
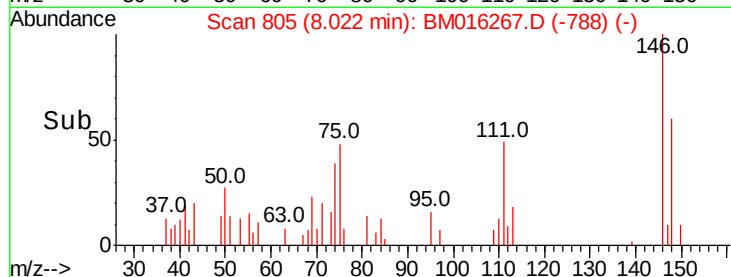
75 48.4 21.4 32.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 3.006 ng

RT: 8.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

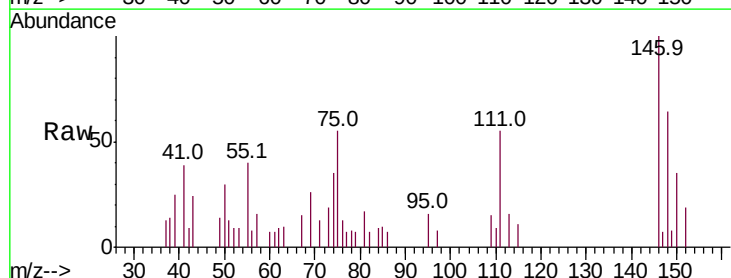
Tgt Ion:146 Resp: 8625

Ion Ratio Lower Upper

146 100

148 64.4 51.9 77.9

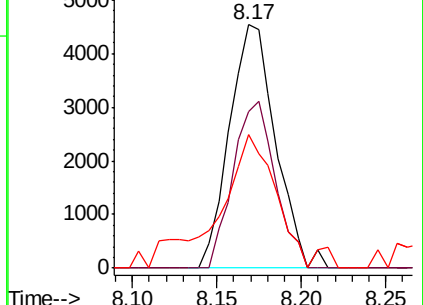
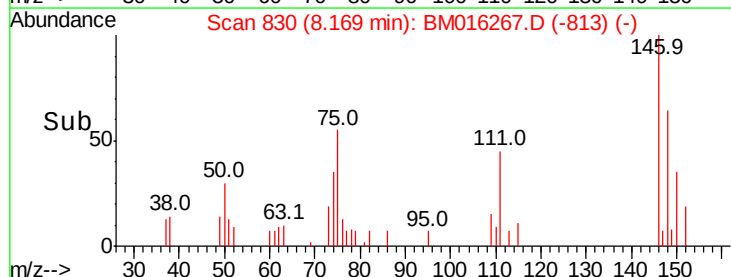
111 55.0 29.2 43.8#



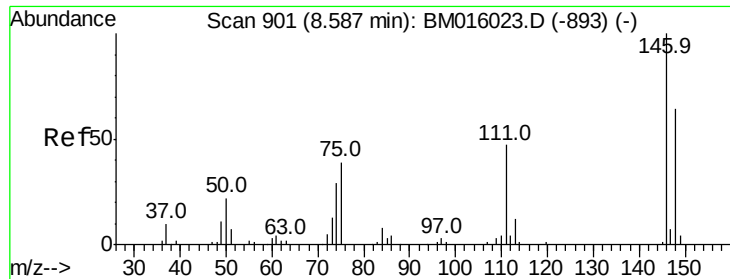
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



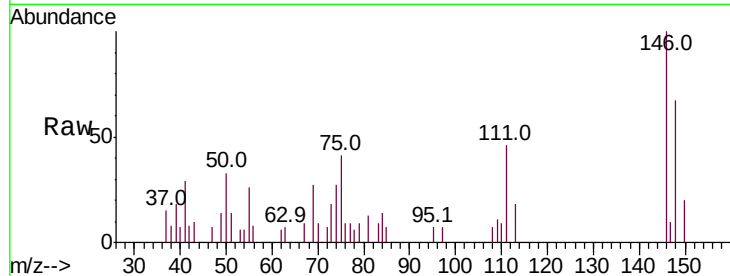




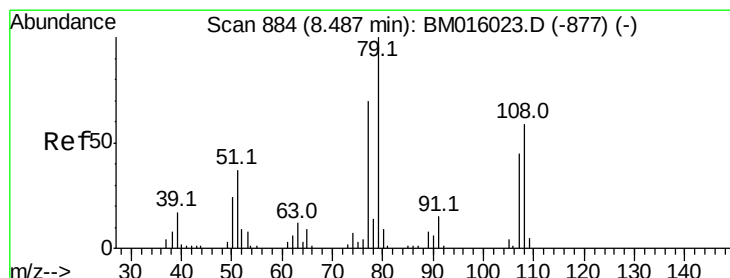
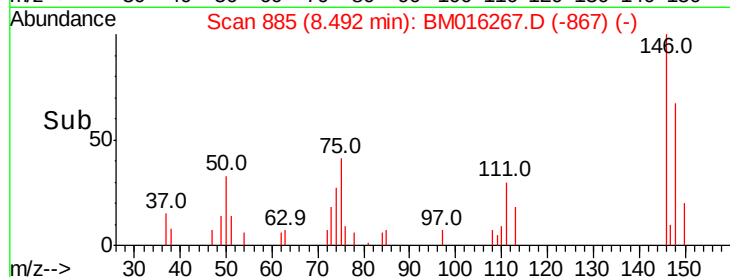
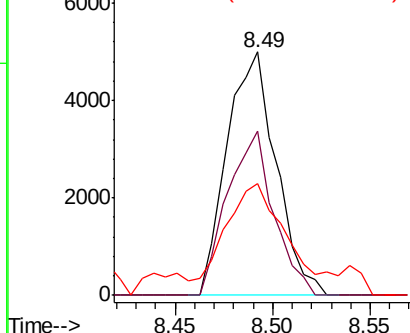
#14  
 1,2-Dichlorobenzene  
 Concen: 3.093 ng  
 RT: 8.49 min Scan# 885  
 Delta R.T. 0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:146 Resp: 8685  
 Ion Ratio Lower Upper  
 146 100  
 148 67.2 52.3 78.5  
 111 46.0 30.6 45.8#

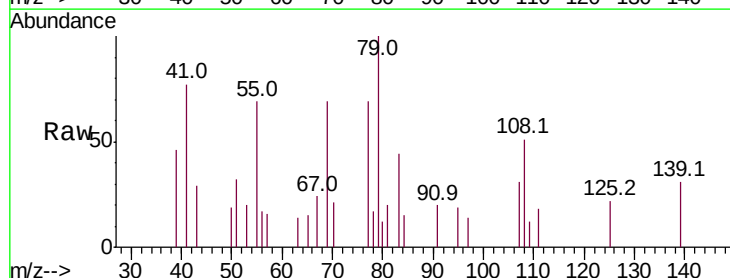


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

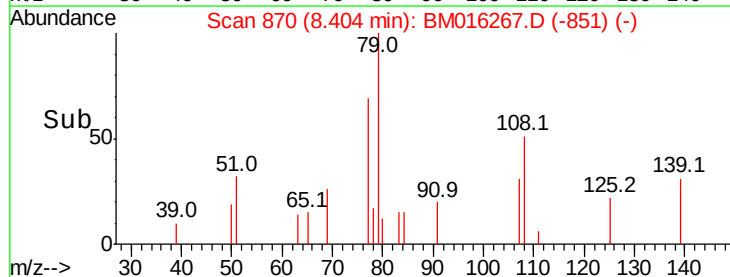
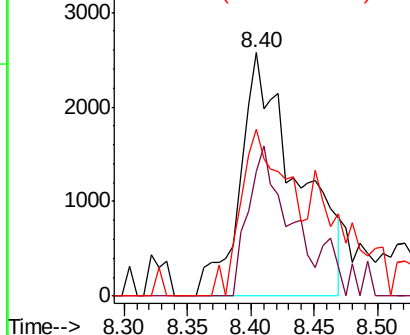


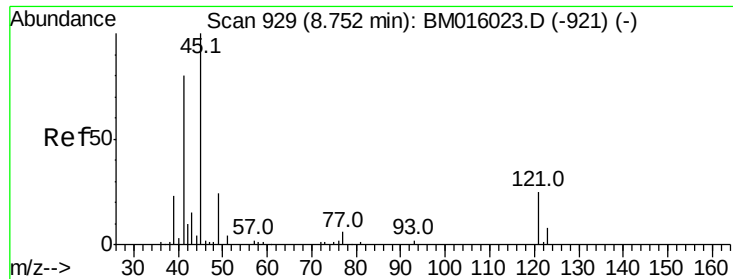
#15  
 Benzyl Alcohol  
 Concen: 3.822 ng  
 RT: 8.40 min Scan# 870  
 Delta R.T. 0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Tgt Ion: 79 Resp: 8083  
 Ion Ratio Lower Upper  
 79 100  
 108 51.0 65.0 97.4#  
 77 68.5 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM0  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 77.00 (76.70 to 77.70): BM0

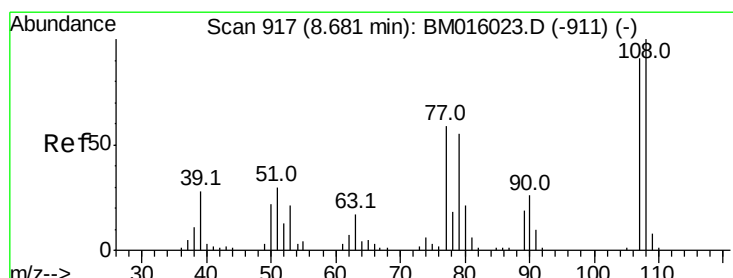
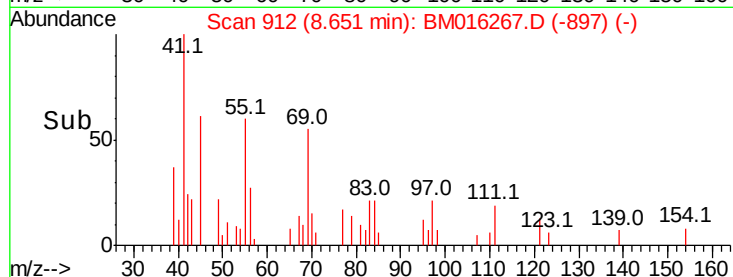
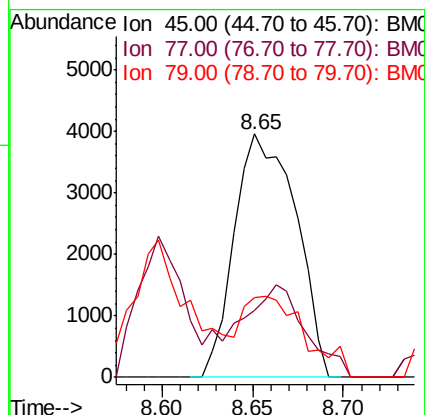
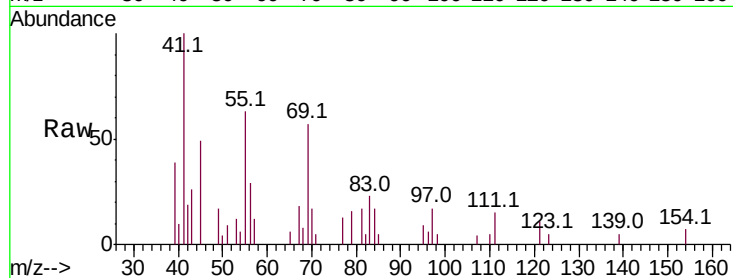




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 2.912 ng  
RT: 8.65 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

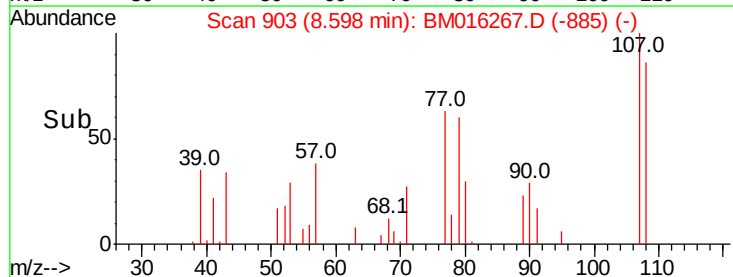
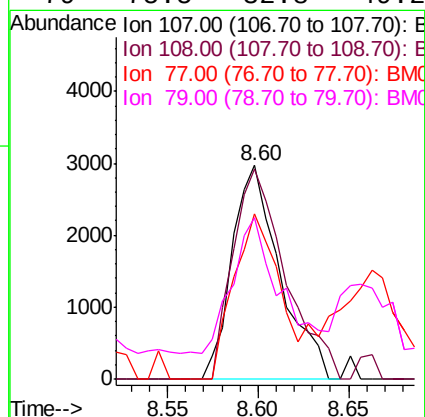
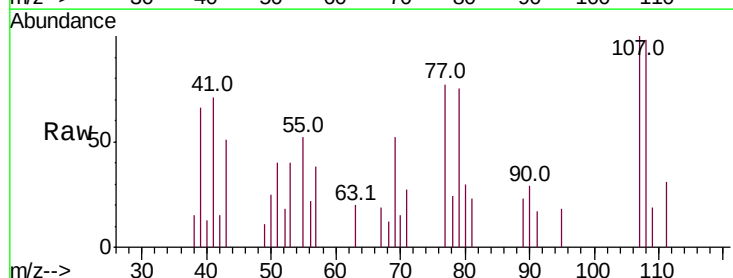
Instrument :  
BNA\_M  
ClientSampleId :

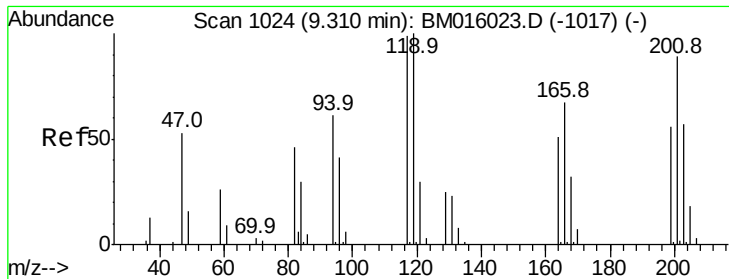
Tot Ion: 45 Resp: 9351  
Ion Ratio Lower Upper  
45 100  
77 27.4 0.0 35.2  
79 32.6 0.0 32.0#



#17  
2-Methylphenol  
Concen: 3.016 ng  
RT: 8.60 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion: 107 Resp: 5476  
Ion Ratio Lower Upper  
107 100  
108 98.3 89.8 134.8  
77 77.2 32.6 48.8#  
79 75.5 32.8 49.2#

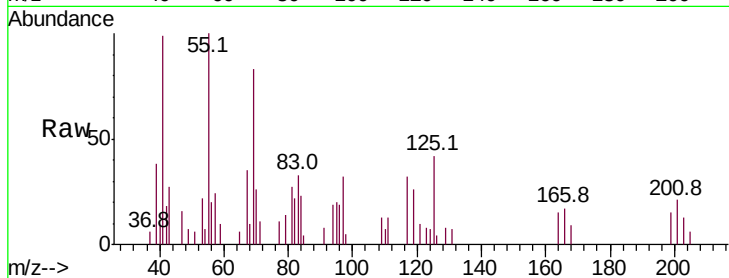




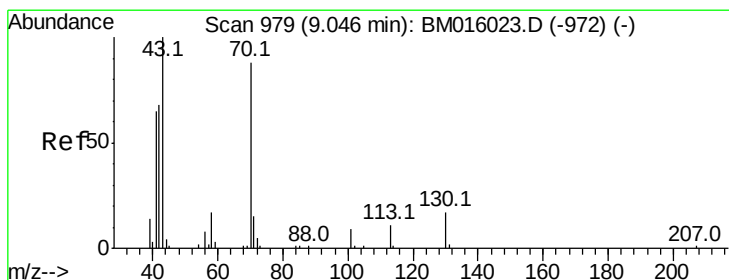
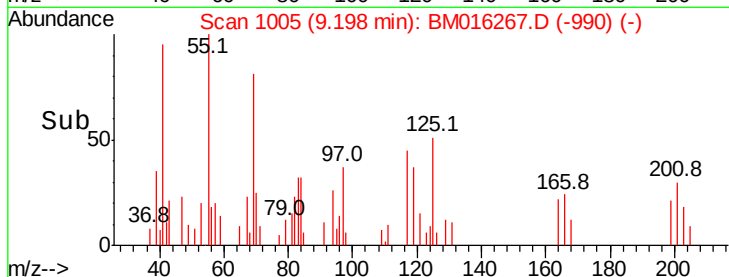
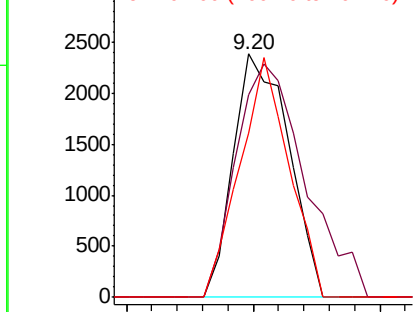
#18  
Hexachloroethane  
Concen: 2.917 ng  
RT: 9.20 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:117 Resp: 3619  
Ion Ratio Lower Upper  
117 100  
119 83.5 79.2 118.8  
201 67.6 69.8 104.6#

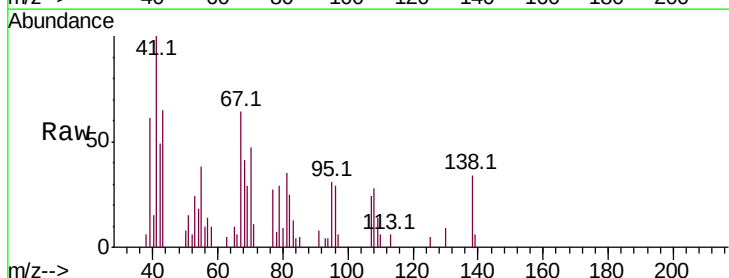


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

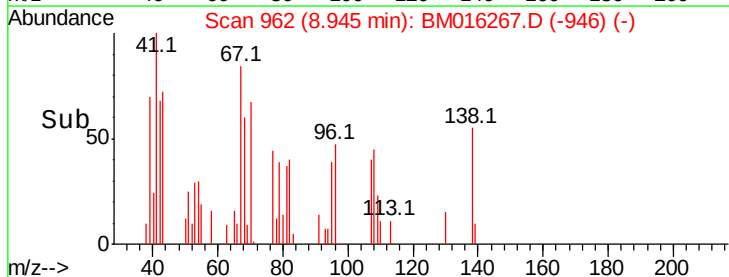
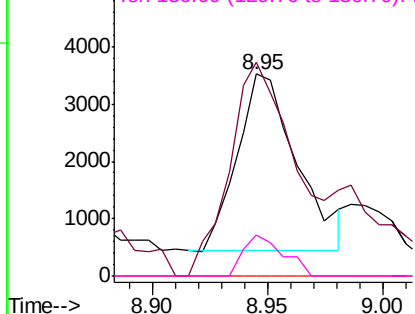


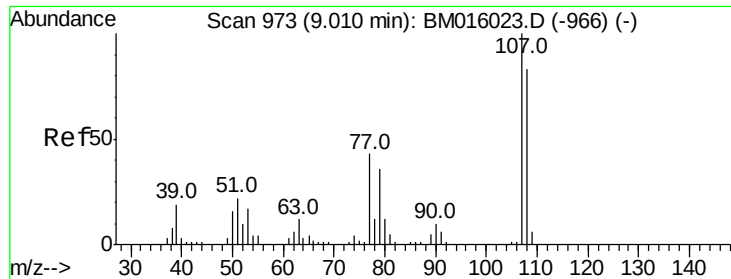
#19  
n-Nitroso-di-n-propylamine  
Concen: 2.849 ng  
RT: 8.95 min Scan# 962  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion: 70 Resp: 5531  
Ion Ratio Lower Upper  
70 100  
42 105.7 44.5 66.7#  
101 0.0 7.4 11.2#  
130 20.2 15.3 22.9



Abundance Ion 70.00 (69.70 to 70.70): BM0  
Ion 42.00 (41.70 to 42.70): BM0  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

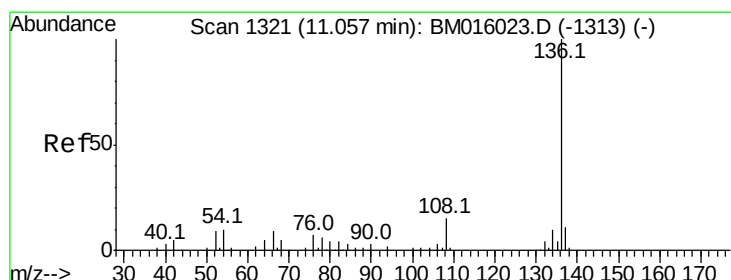
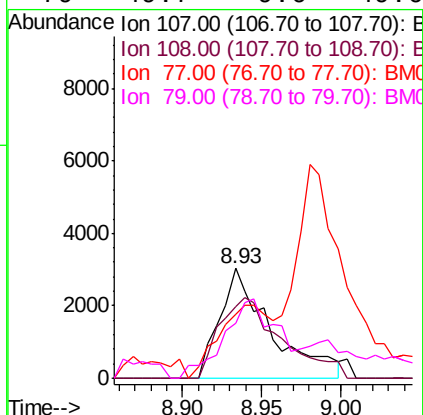
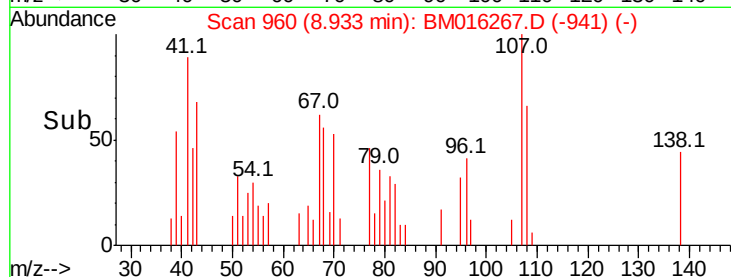
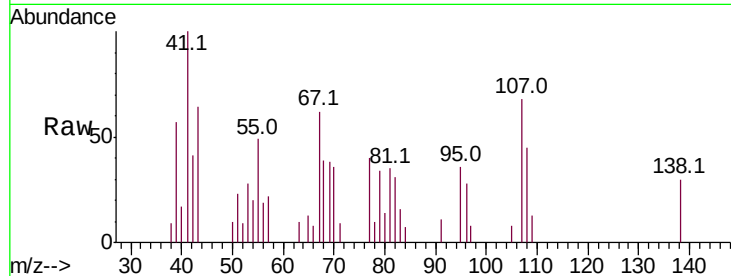




#20  
3+4-Methylphenols  
Concen: 2.604 ng  
RT: 8.93 min Scan# 960  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

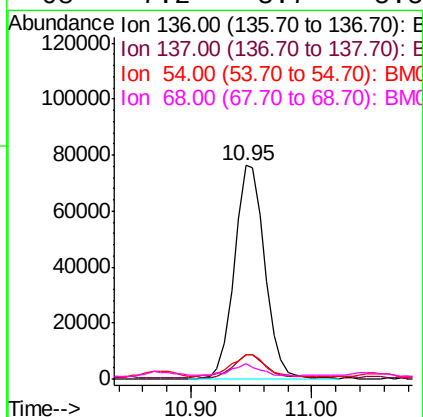
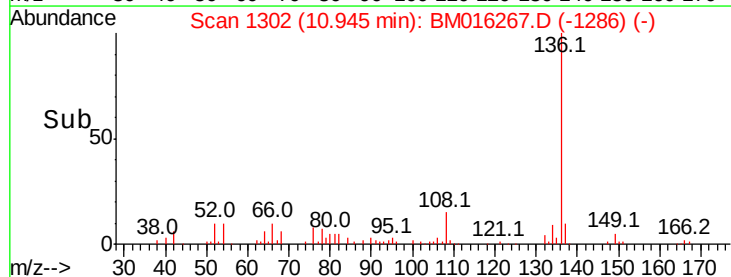
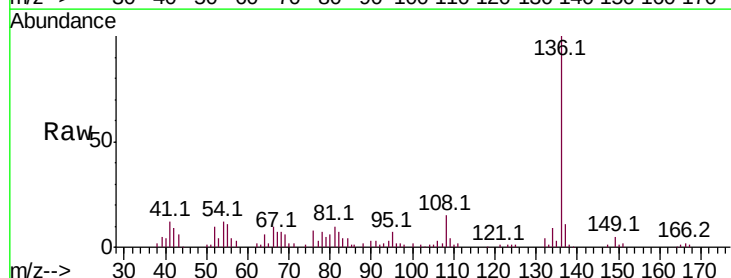
Instrument :  
BNA\_M  
ClientSampled :

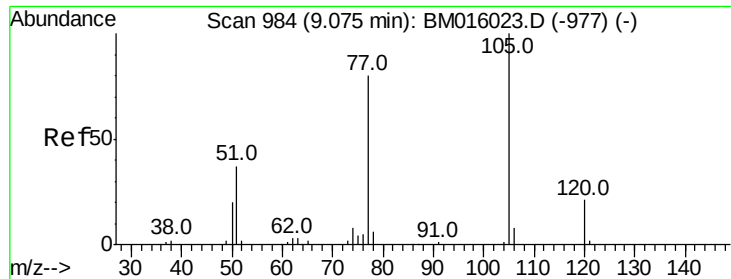
Tot Ion:107 Resp: 6802  
Ion Ratio Lower Upper  
107 100  
108 65.8 73.2 113.2#  
77 58.6 10.7 50.7#  
79 49.7 9.6 49.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.95 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:136 Resp: 134367  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.7 13.1  
54 11.6 4.6 6.8#  
68 7.2 3.7 5.5#

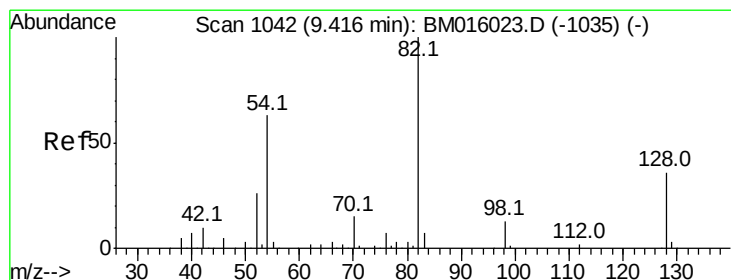
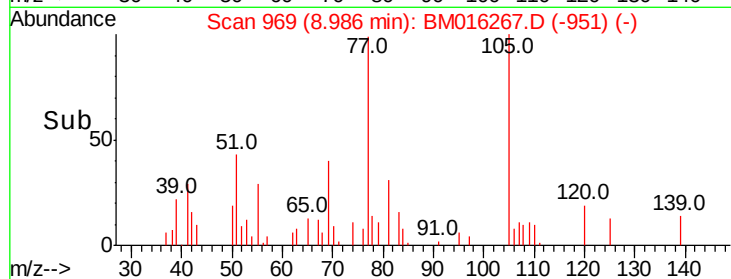
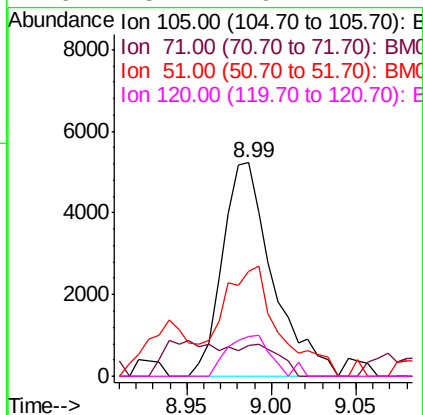
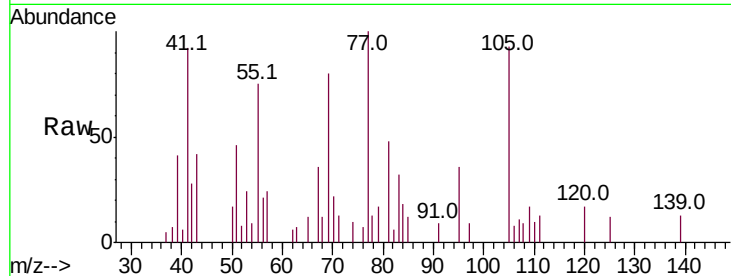




#22  
 Acetophenone  
 Concen: 3.197 ng  
 RT: 8.99 min Scan# 969  
 Delta R.T. 0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

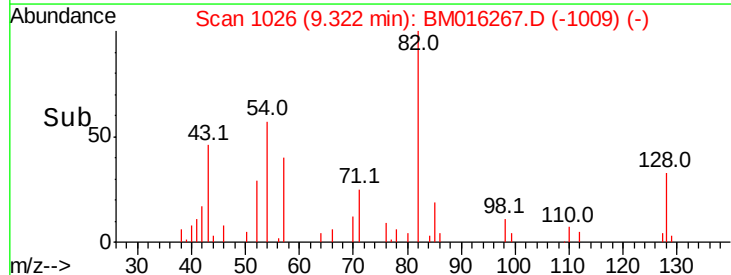
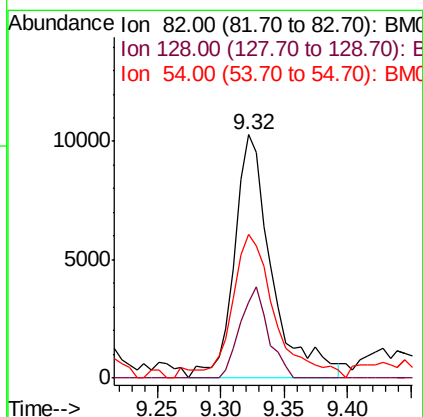
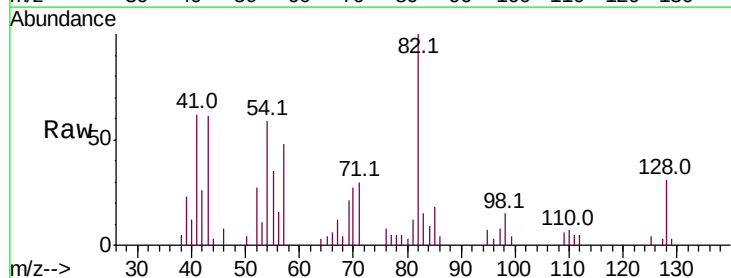
Instrument :  
 BNA\_M  
 ClientSampleId :

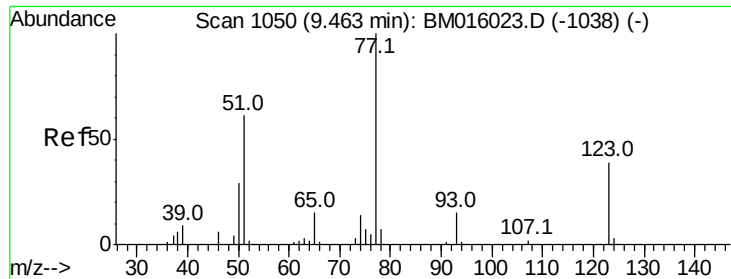
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 10815 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 14.1  | 0.6   | 1.0#  |
| 51       | 49.1  | 21.6  | 32.4# |
| 120      | 18.7  | 16.1  | 24.1  |



#23  
 Nitrobenzene-d5  
 Concen: 3.197 ng  
 RT: 9.32 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 21044 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 31.0  | 32.8  | 49.2# |
| 54       | 59.2  | 40.6  | 60.8  |

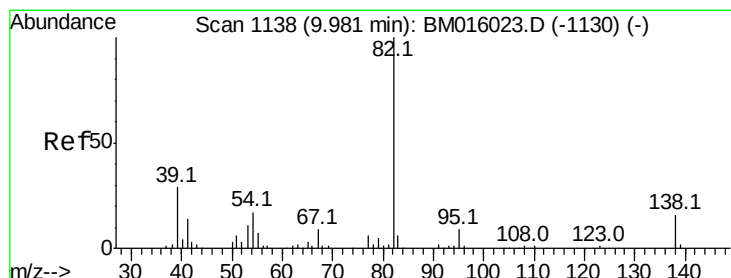
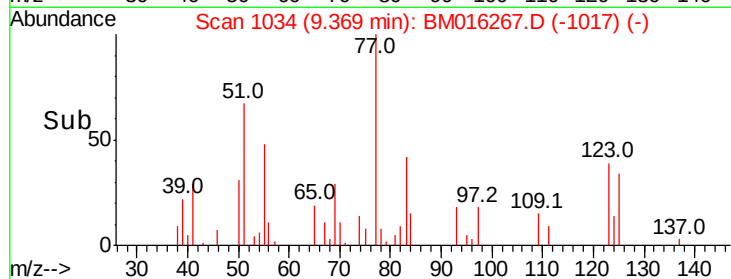
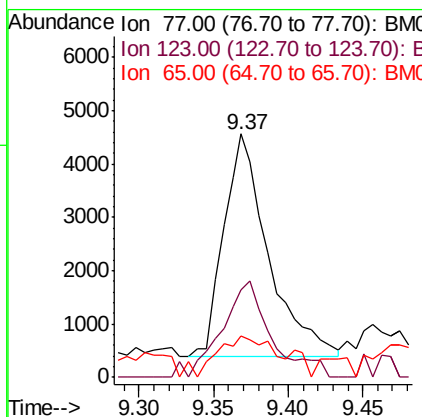
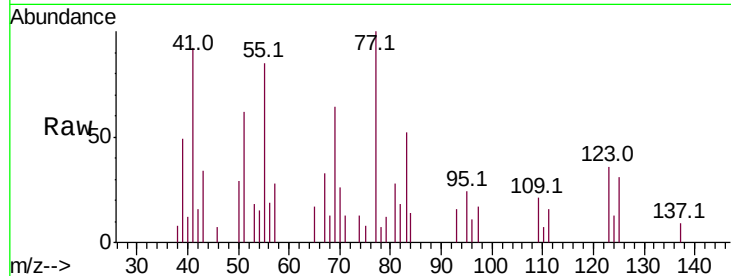




#24  
 Nitrobenzene  
 Concen: 3.002 ng  
 RT: 9.37 min Scan# 1034  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

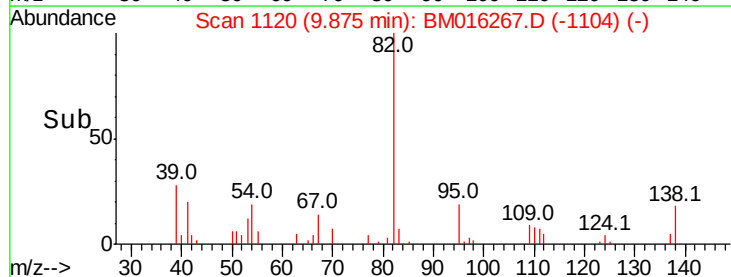
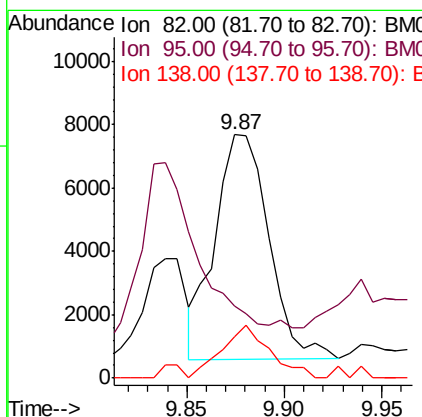
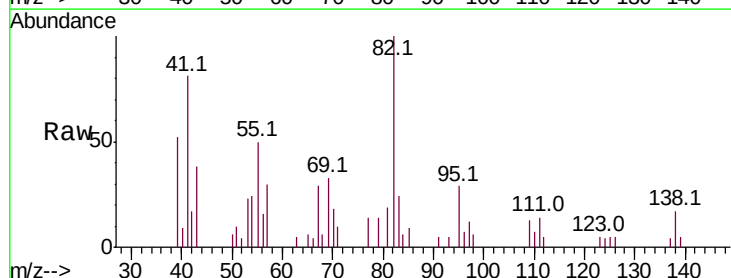
Instrument :  
 BNA\_M  
 ClientSampleId :

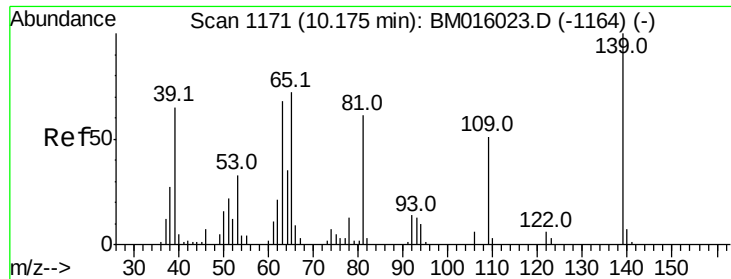
Tot Ion: 77 Resp: 8729  
 Ion Ratio Lower Upper  
 77 100  
 123 35.8 32.6 49.0  
 65 17.1 10.9 16.3#



#25  
 Isophorone  
 Concen: 3.439 ng  
 RT: 9.87 min Scan# 1120  
 Delta R.T. -0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Tgt Ion: 82 Resp: 13588  
 Ion Ratio Lower Upper  
 82 100  
 95 29.5 5.8 8.6#  
 138 17.0 16.3 24.5

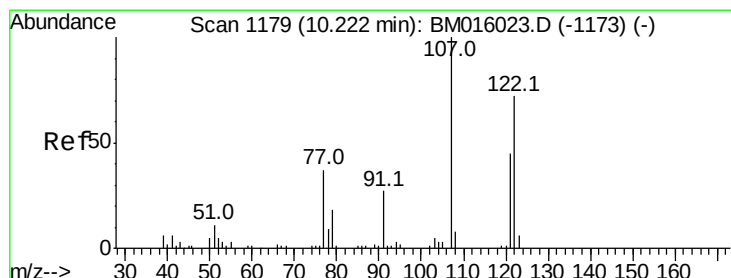
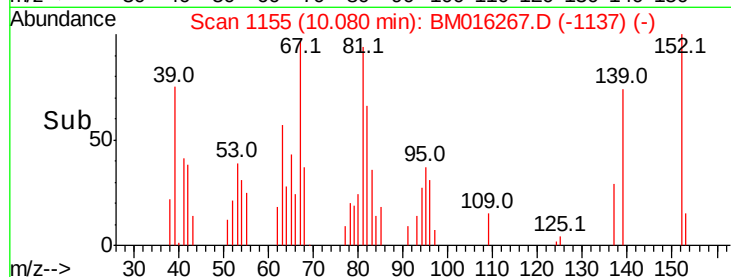
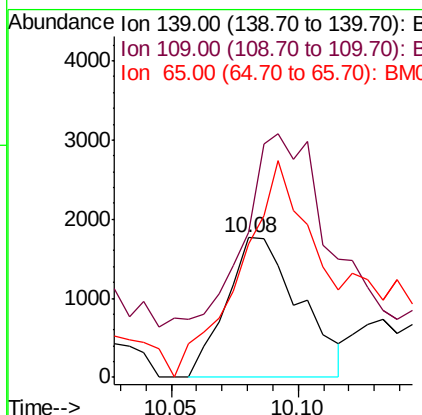
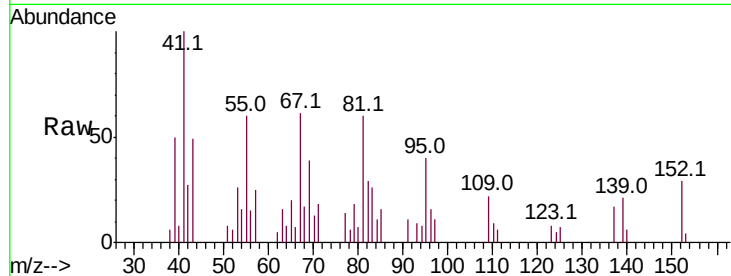




#26  
2-Nitrophenol  
Concen: 2.922 ng  
RT: 10.08 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

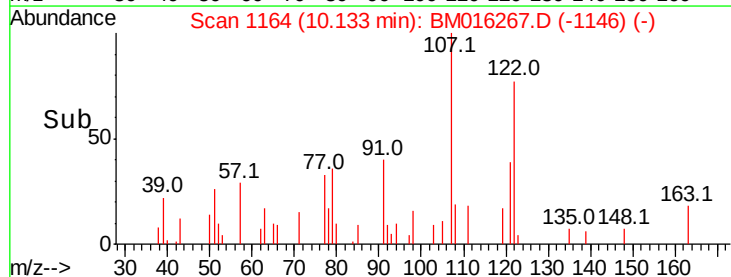
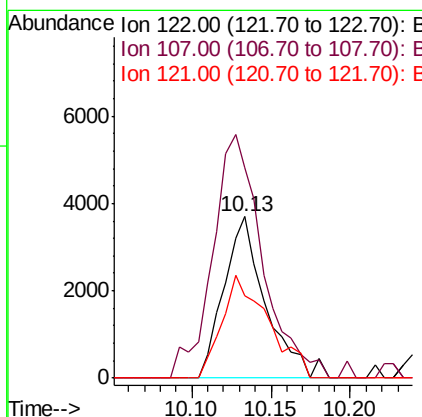
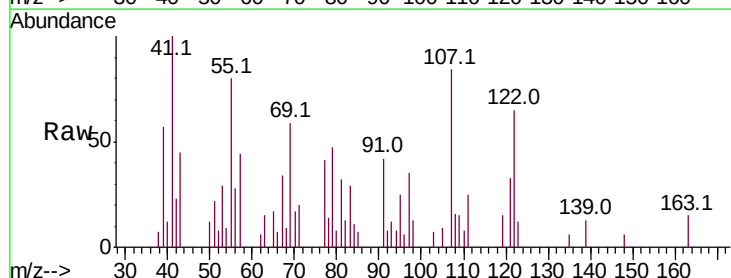
Instrument :  
BNA\_M  
ClientSampleId :

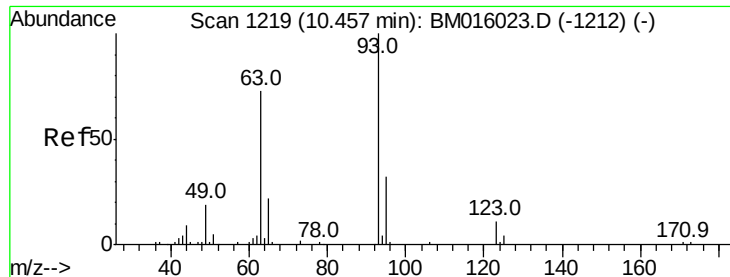
Tot Ion:139 Resp: 3547  
Ion Ratio Lower Upper  
139 100  
109 103.9 20.1 30.1#  
65 95.8 31.5 47.3#



#27  
2,4-Dimethylphenol  
Concen: 3.995 ng  
RT: 10.13 min Scan# 1164  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:122 Resp: 6757  
Ion Ratio Lower Upper  
122 100  
107 130.3 84.7 127.1#  
121 51.2 46.6 69.8

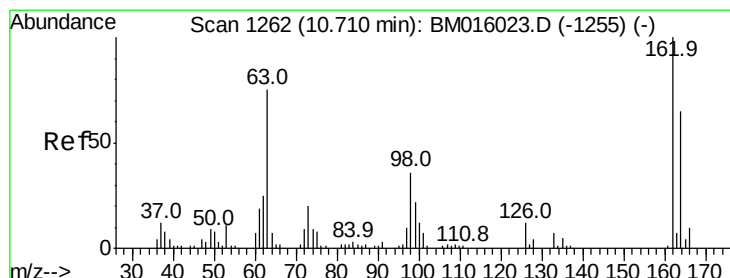
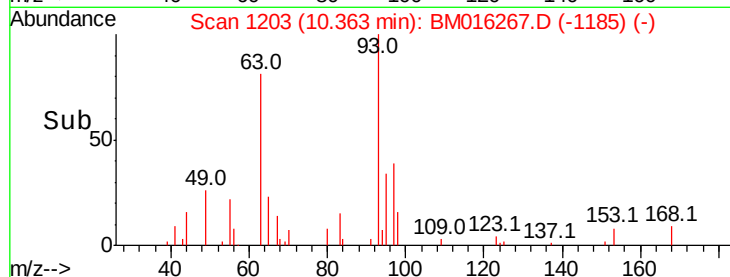
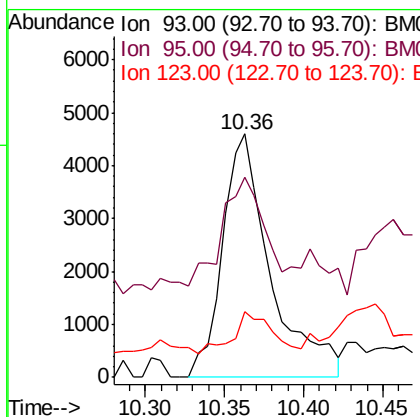
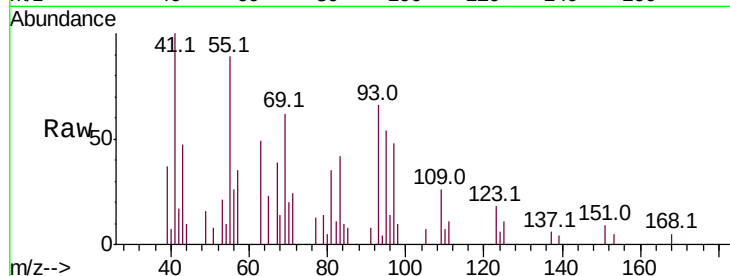




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 3.753 ng  
 RT: 10.36 min Scan# 1203  
 Delta R.T. 0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

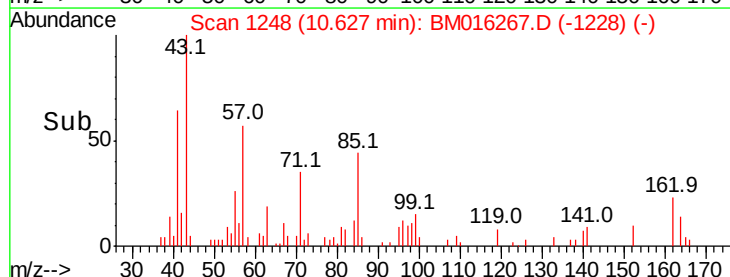
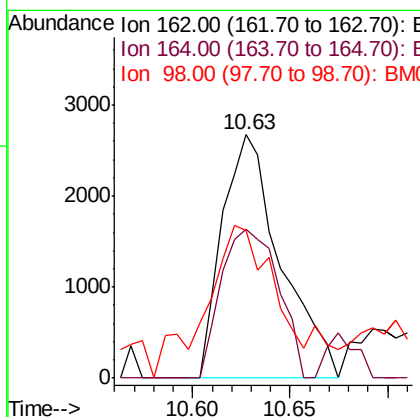
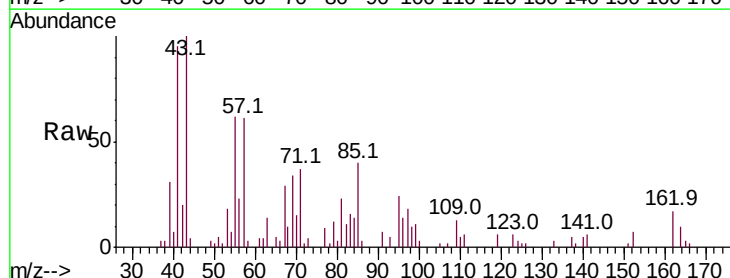
Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion: 93 Resp: 9640  
 Ion Ratio Lower Upper  
 93 100  
 95 82.3 25.5 38.3#  
 123 27.0 8.6 13.0#

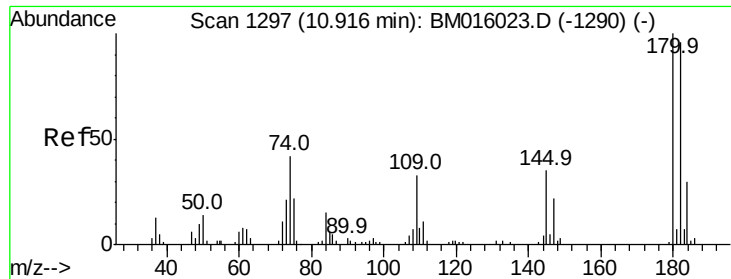


#29  
 2,4-Dichlorophenol  
 Concen: 2.753 ng  
 RT: 10.63 min Scan# 1248  
 Delta R.T. 0.02 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Tgt Ion:162 Resp: 5533  
 Ion Ratio Lower Upper  
 162 100  
 164 61.0 42.8 82.8  
 98 60.4 14.5 54.5#



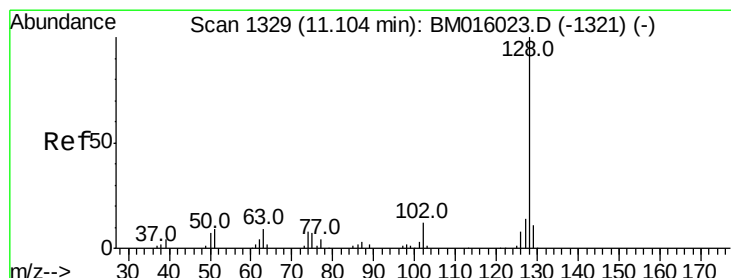
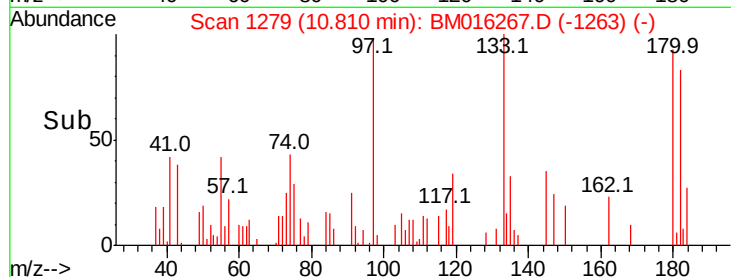
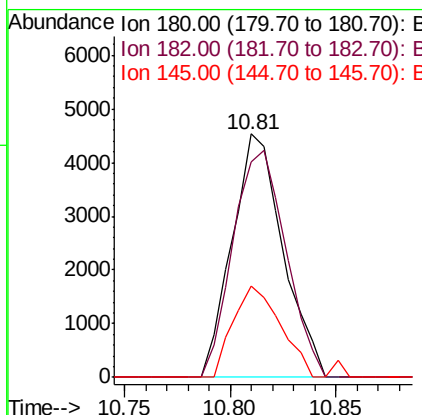
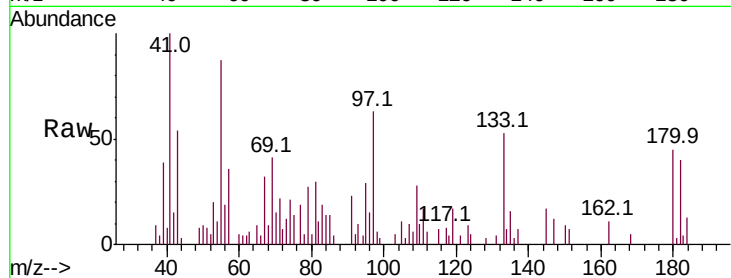




#30  
 1,2,4-Trichlorobenzene  
 Concen: 3.108 ng  
 RT: 10.81 min Scan# 1279  
 Delta R.T. -0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

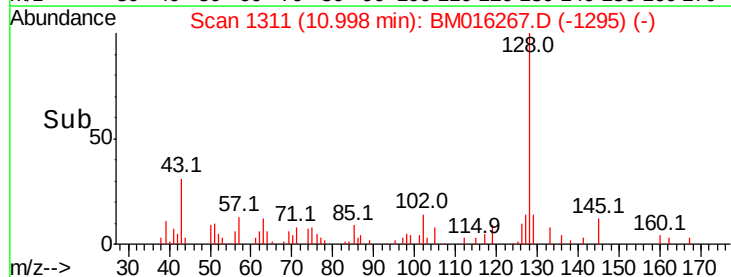
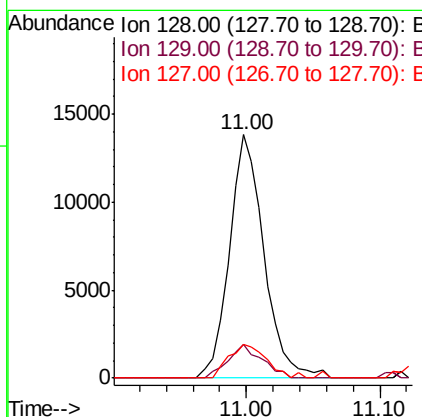
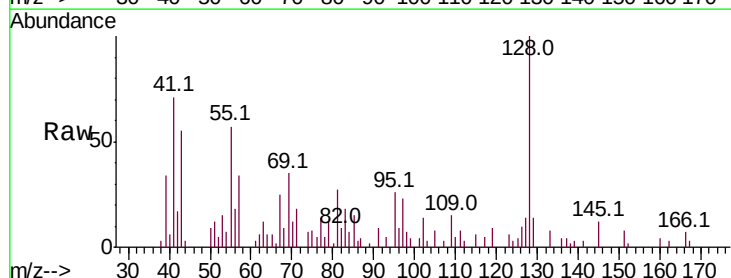
Instrument :  
 BNA\_M  
 ClientSampleId :

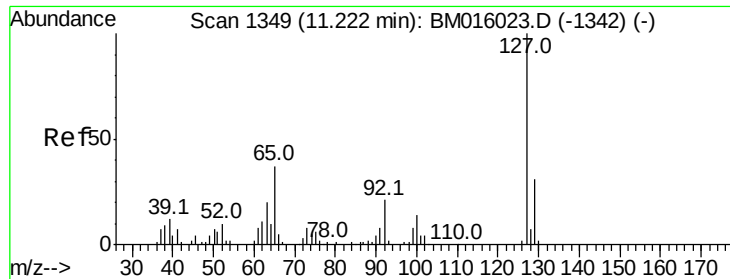
Tot Ion:180 Resp: 7588  
 Ion Ratio Lower Upper  
 180 100  
 182 88.6 77.6 116.4  
 145 37.6 23.4 35.2#



#31  
 Naphthalene  
 Concen: 3.666 ng  
 RT: 11.00 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Tgt Ion:128 Resp: 24932  
 Ion Ratio Lower Upper  
 128 100  
 129 14.0 8.9 13.3#  
 127 13.9 10.4 15.6

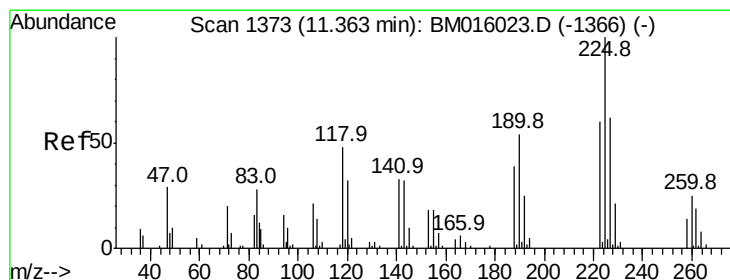
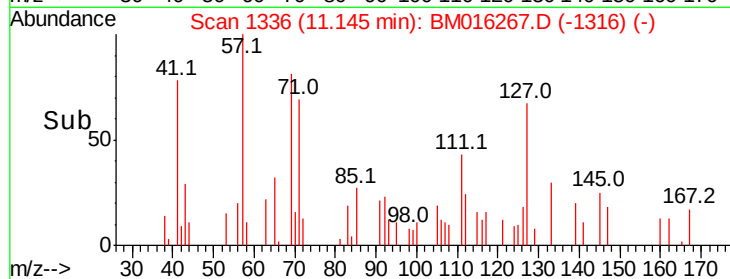
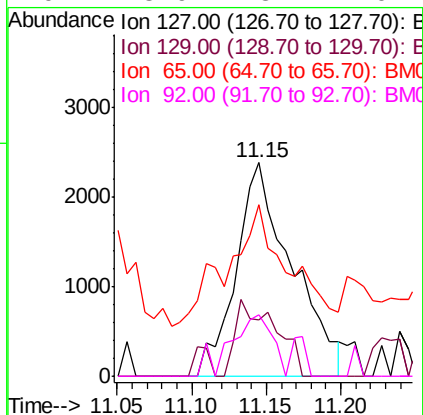
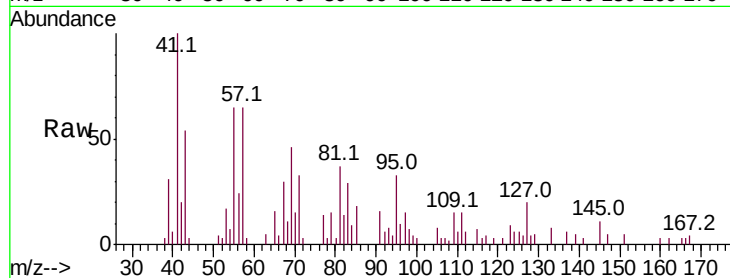




#33  
4-Chloroaniline  
Concen: 2.236 ng  
RT: 11.15 min Scan# 1336  
Delta R.T. 0.02 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

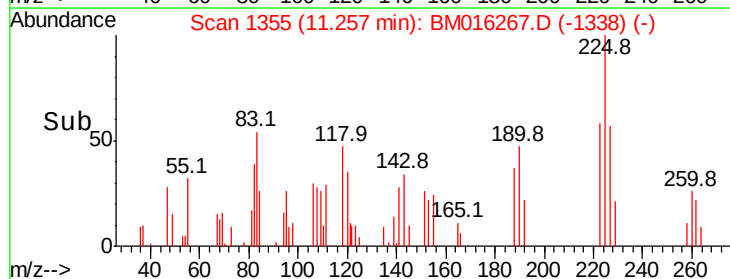
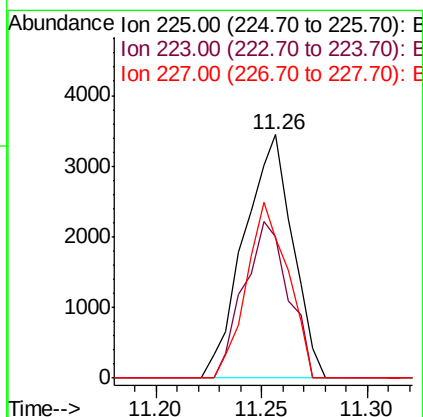
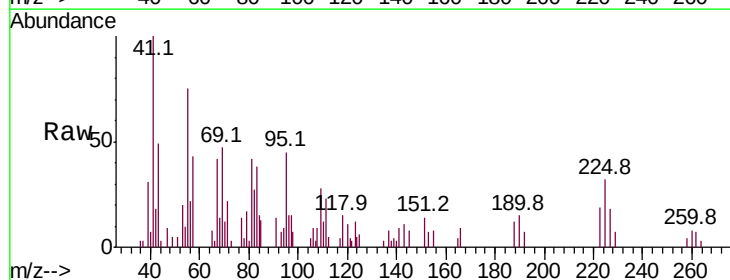
Instrument :  
BNA\_M  
ClientSampled :

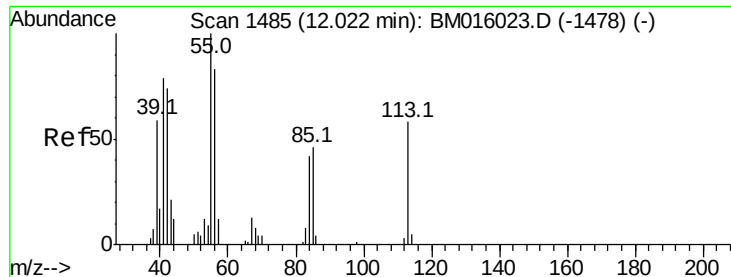
Tot Ion:127 Resp: 6204  
Ion Ratio Lower Upper  
127 100  
129 26.3 25.3 37.9  
65 80.2 17.6 26.4#  
92 28.9 13.1 19.7#



#34  
Hexachlorobutadiene  
Concen: 3.255 ng  
RT: 11.26 min Scan# 1355  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:225 Resp: 5513  
Ion Ratio Lower Upper  
225 100  
223 58.2 47.9 71.9  
227 57.5 50.1 75.1





#35

Caprolactam

Concen: 31.967 ng

RT: 11.92 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

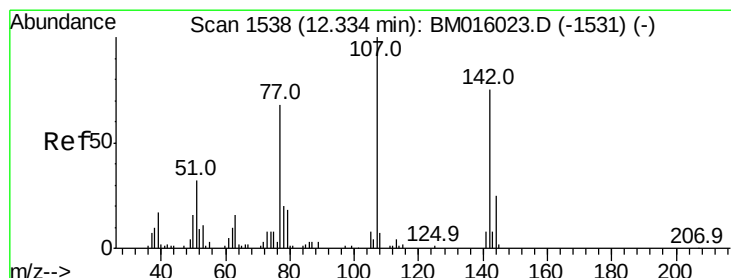
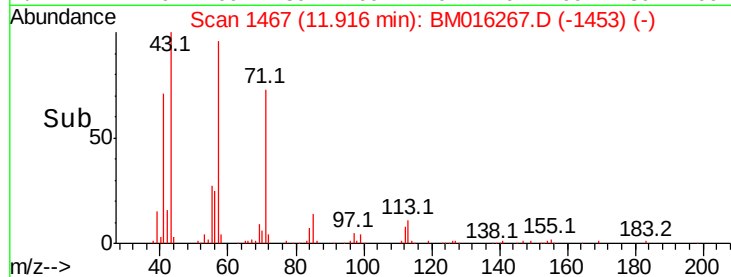
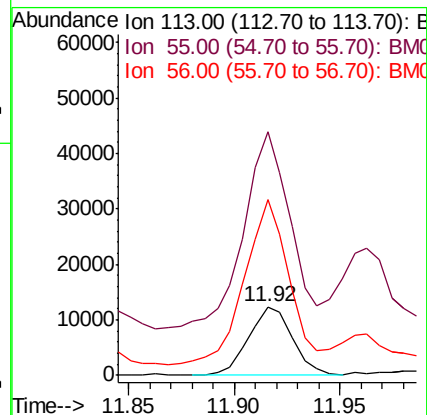
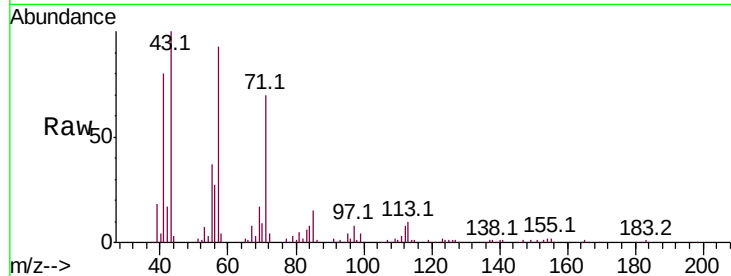
Tot Ion:113 Resp: 17793

Ion Ratio Lower Upper

113 100

55 356.0 145.9 185.9#

56 256.3 101.0 141.0#



#36

4-Chloro-3-methylphenol

Concen: 3.244 ng

RT: 12.25 min Scan# 1524

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

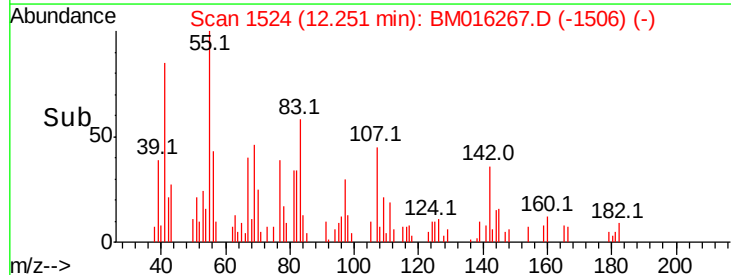
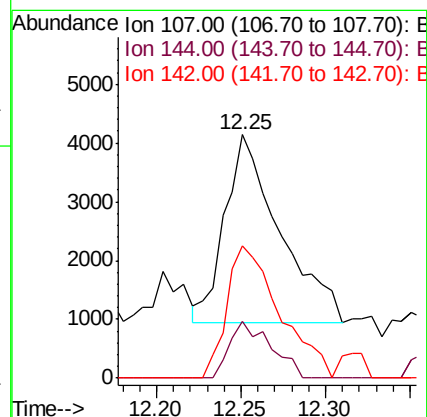
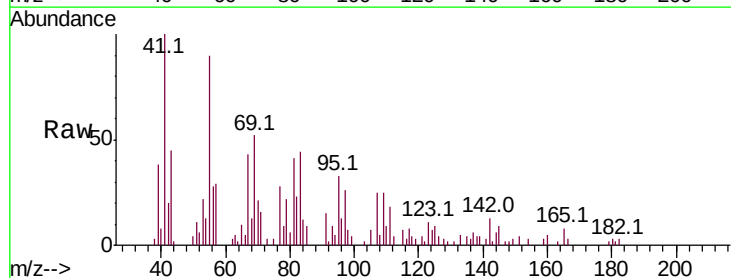
Tgt Ion:107 Resp: 7170

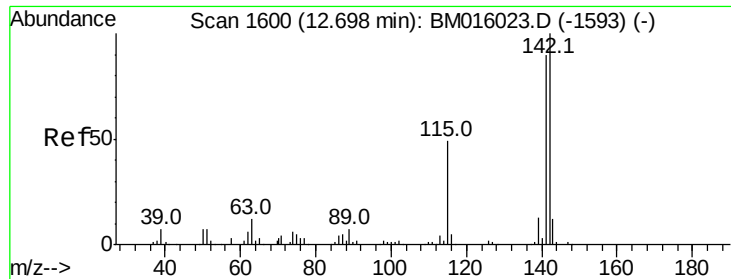
Ion Ratio Lower Upper

107 100

144 23.1 23.3 34.9#

142 54.2 72.6 109.0#

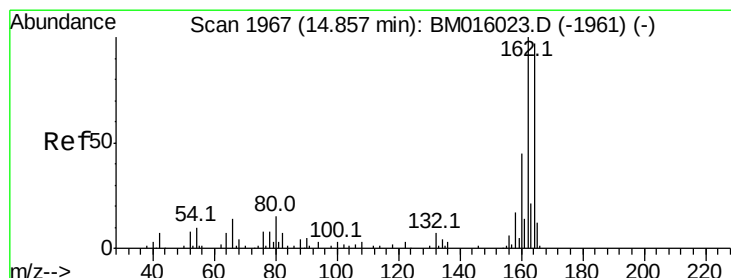
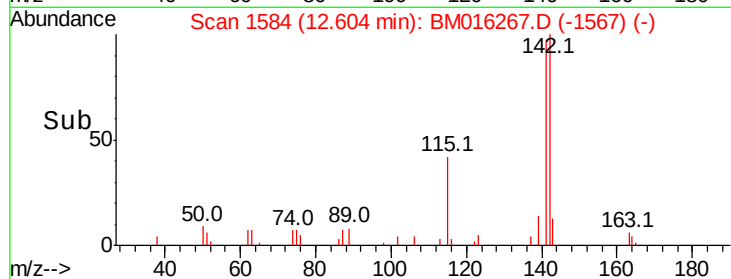
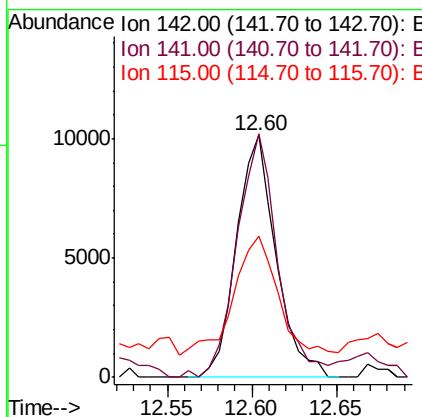
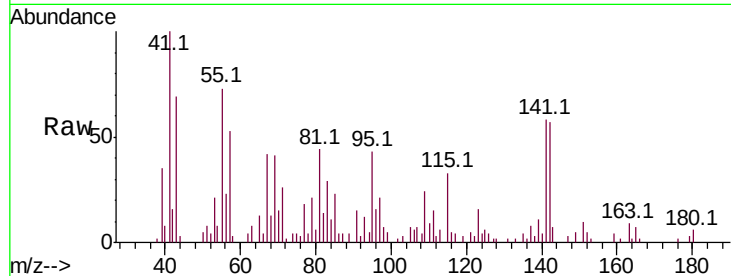




#37  
2-Methylnaphthalene  
Concen: 3.617 ng  
RT: 12.60 min Scan# 1584  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

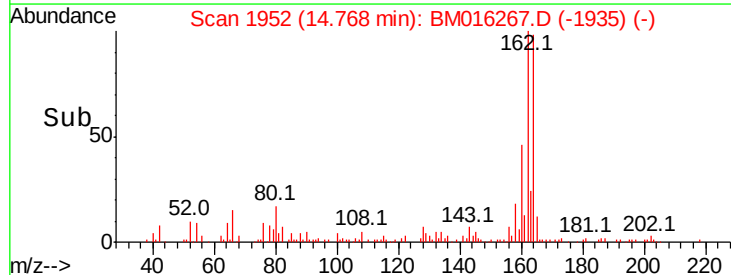
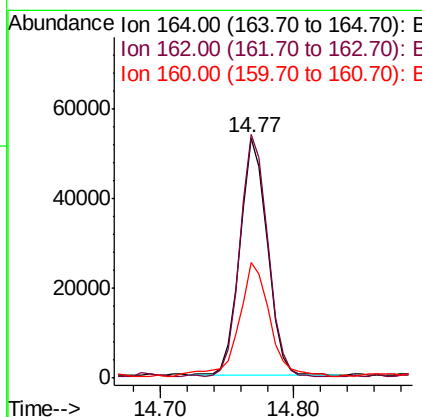
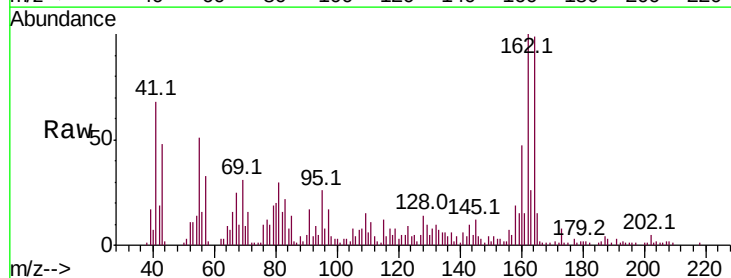
Instrument :  
BNA\_M  
ClientSampled :

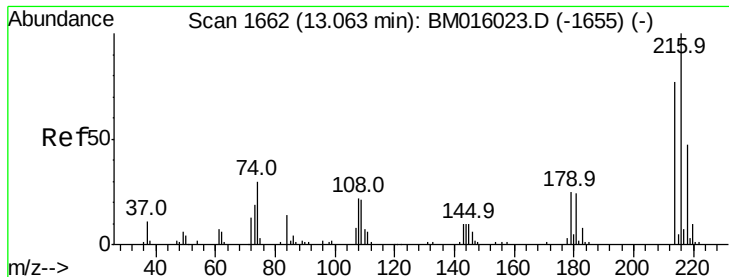
Tot Ion:142 Resp: 16477  
Ion Ratio Lower Upper  
142 100  
141 100.7 71.9 107.9  
115 58.3 25.4 38.0#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1952  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:164 Resp: 75452  
Ion Ratio Lower Upper  
164 100  
162 101.3 82.4 123.6  
160 47.9 35.8 53.6

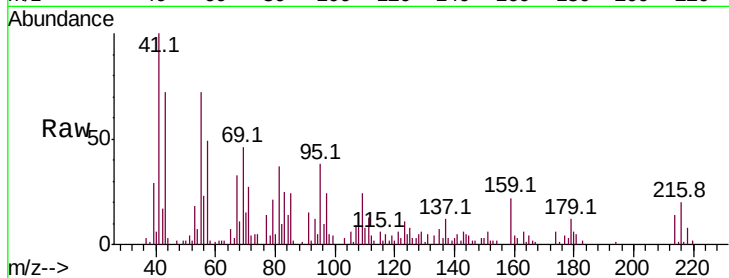




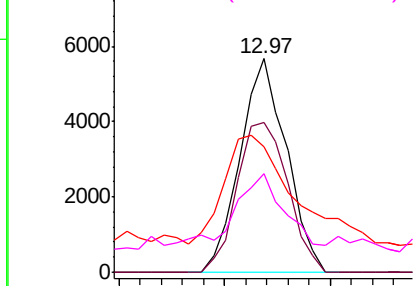
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.348 ng  
 RT: 12.97 min Scan# 1646  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Instrument :  
 BNA\_M  
 ClientSampled :

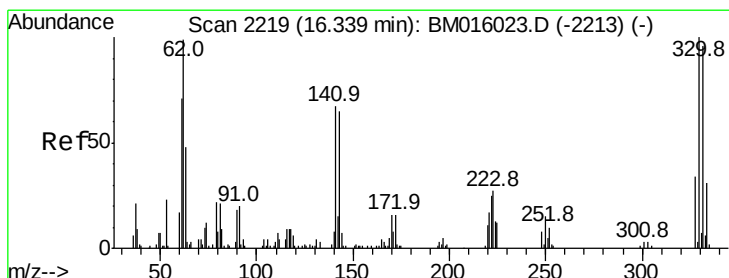
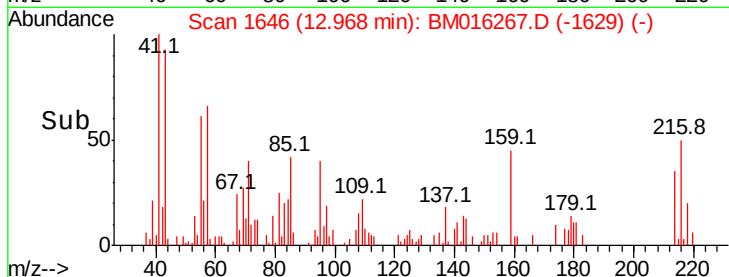
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 216   | Resp: | 8599  |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 77.1  | 0.0   | 0.0#  |
| 179      | 78.1  | 0.0   | 0.0#  |
| 108      | 42.3  | 0.0   | 0.0#  |



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

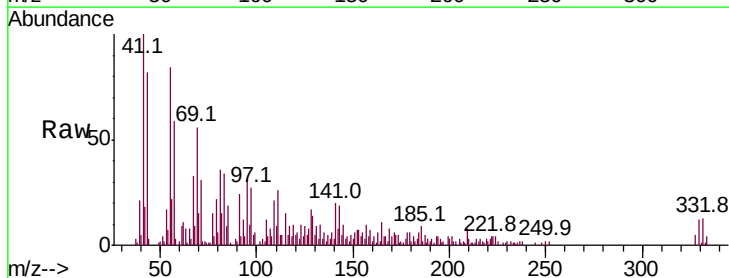


Time--> 12.90 12.95 13.00

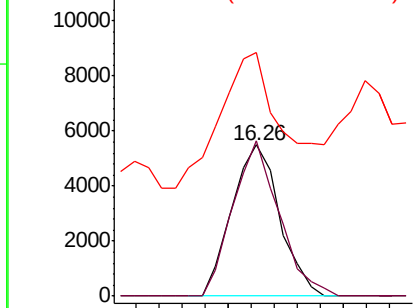


#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.26 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

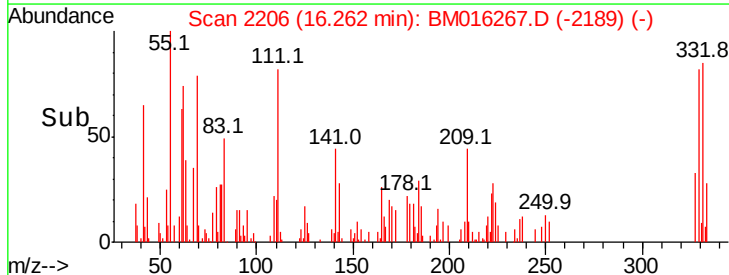
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 7903  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 100.0 | 0.0   | 0.0#  |
| 141      | 119.6 | 0.0   | 0.0#  |

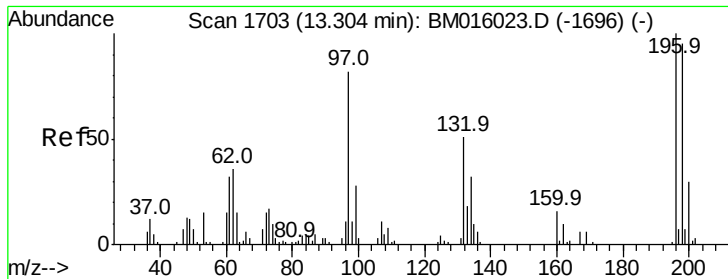


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



Time--> 16.25 16.30





#42

2,4,6-Trichlorophenol

Concen: 2.765 ng

RT: 13.22 min Scan# 1689

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

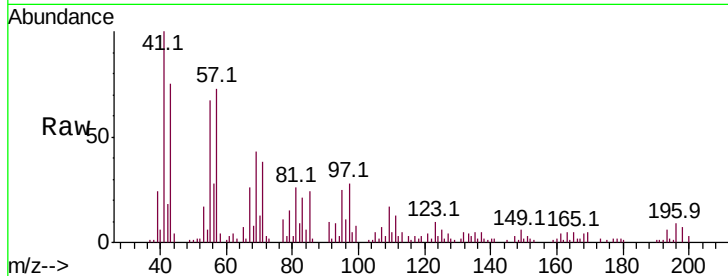
Tot Ion:196 Resp: 4444

Ion Ratio Lower Upper

196 100

198 79.8 76.3 114.5

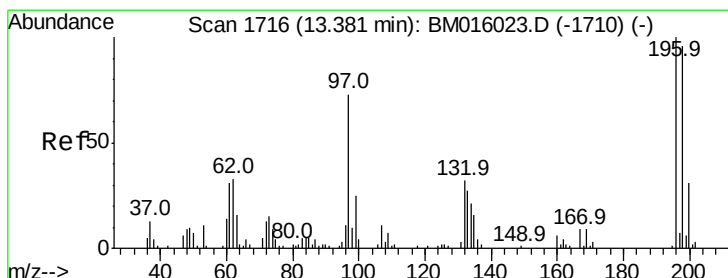
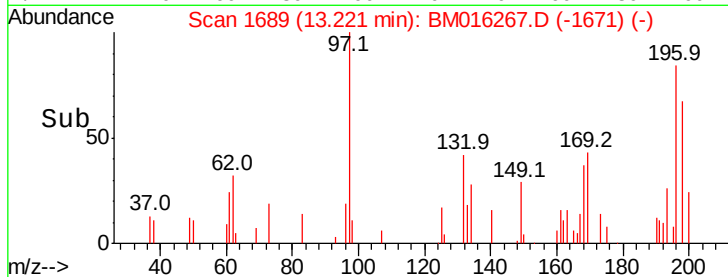
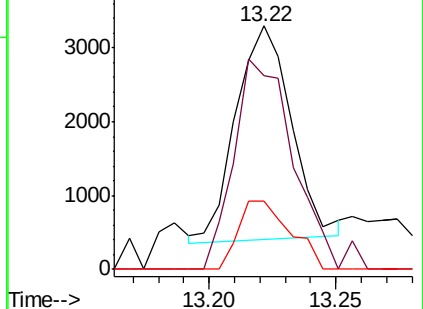
200 28.2 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 3.269 ng

RT: 13.30 min Scan# 1703

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Tgt Ion:196 Resp: 5419

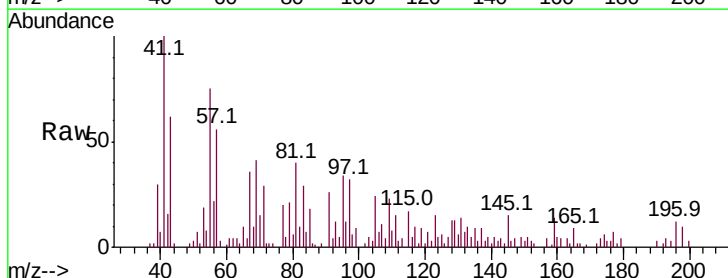
Ion Ratio Lower Upper

196 100

198 80.0 79.4 119.0

97 261.0 26.8 40.2#

132 57.5 18.6 28.0#

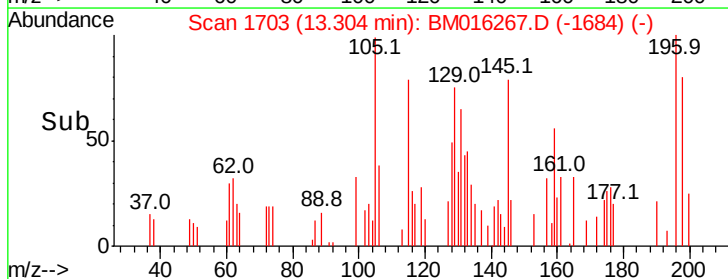
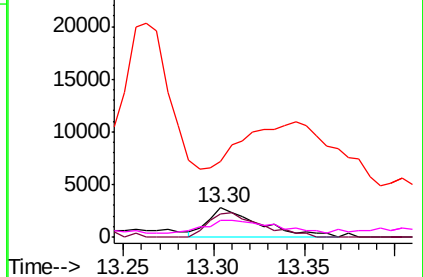


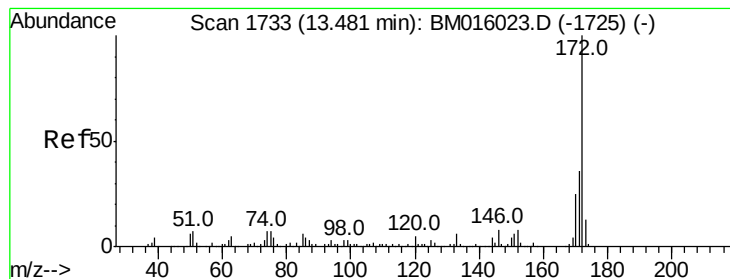
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 3.269 ng

RT: 13.39 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

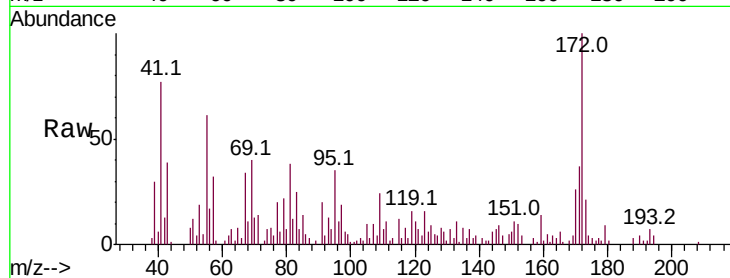
Tot Ion:172 Resp: 39183

Ion Ratio Lower Upper

172 100

171 37.2 28.5 42.7

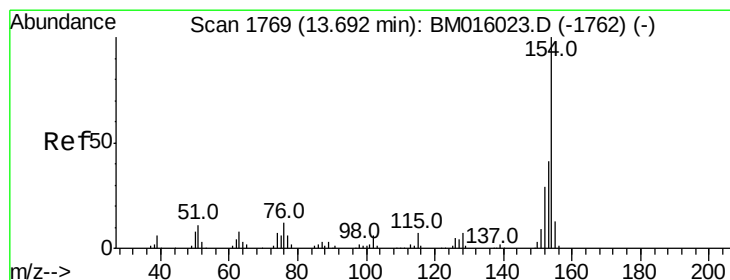
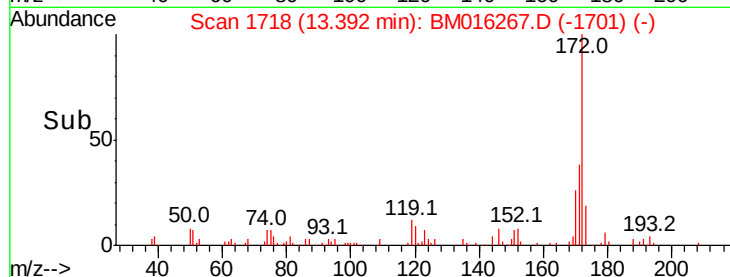
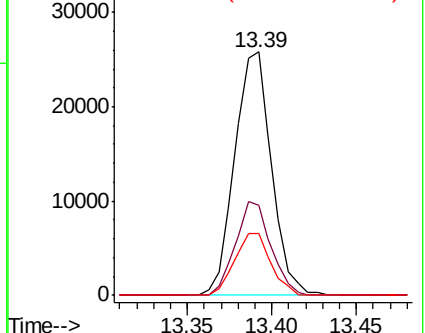
170 25.7 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 3.209 ng

RT: 13.60 min Scan# 1754

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

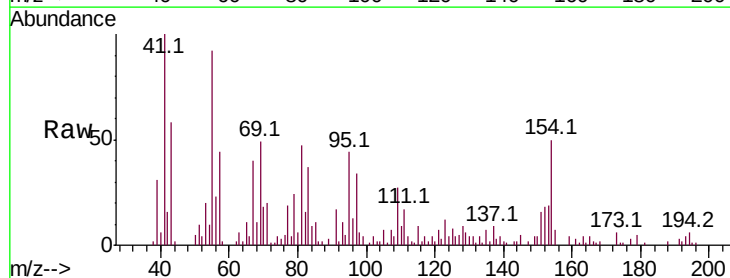
Tgt Ion:154 Resp: 21851

Ion Ratio Lower Upper

154 100

153 38.7 20.7 60.7

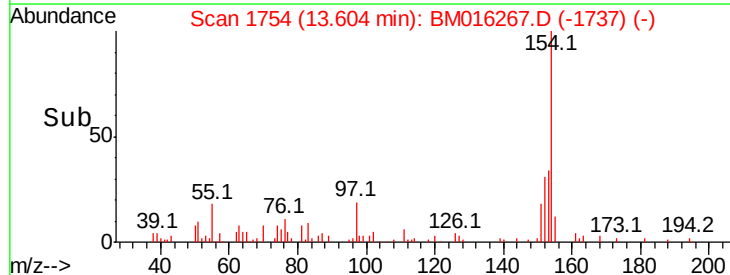
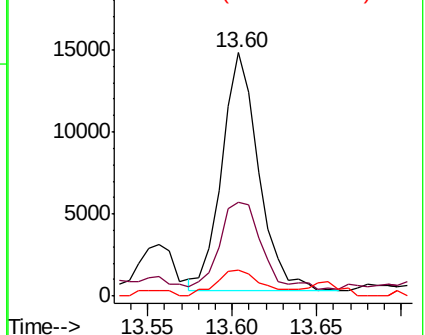
76 10.8 0.0 30.9

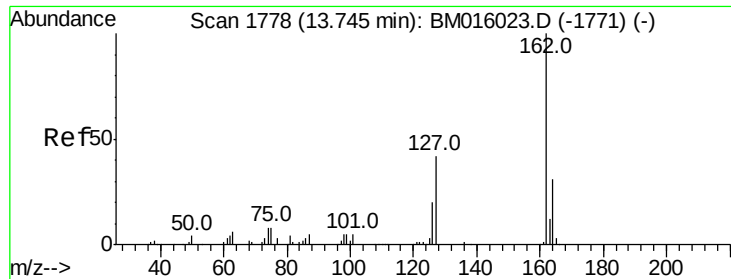


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

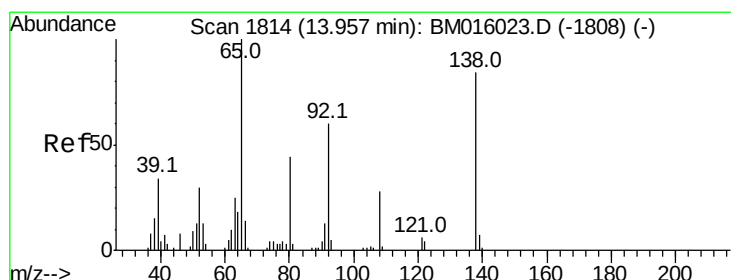
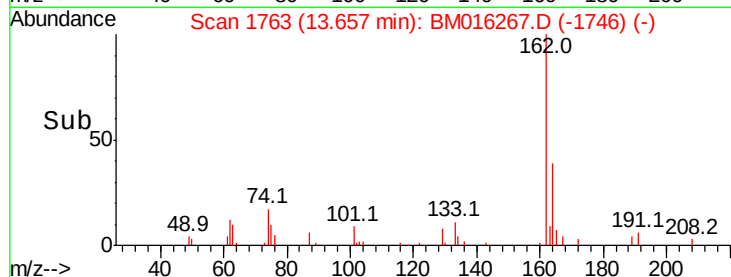
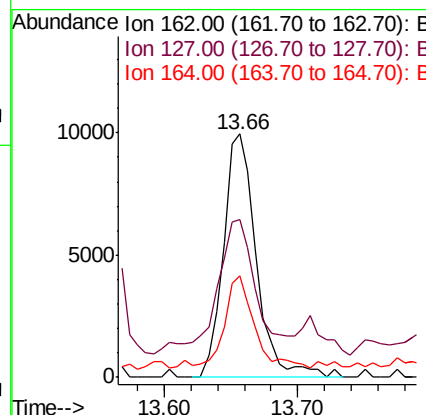
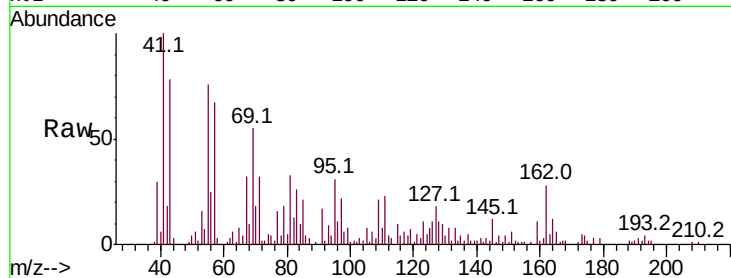




#46  
2-Chloronaphthalene  
Concen: 3.254 ng  
RT: 13.66 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

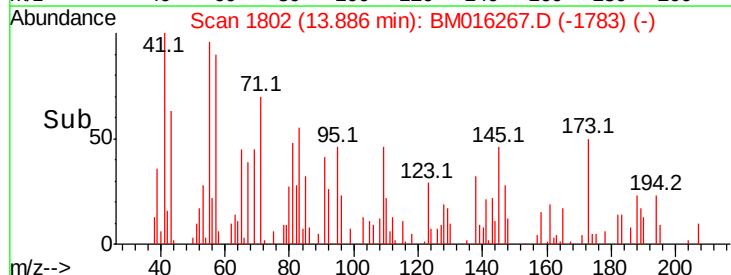
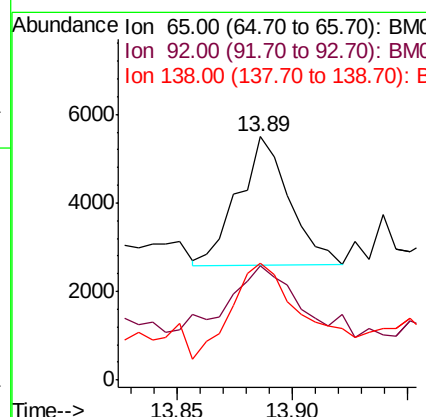
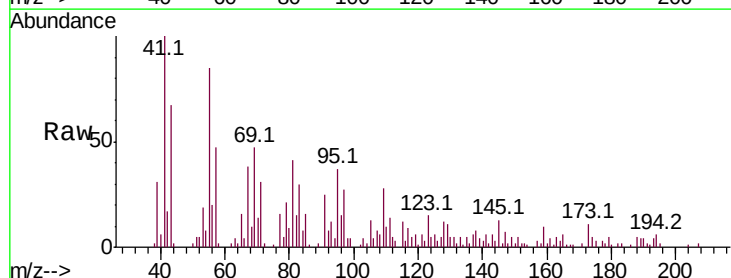
Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:162 Resp: 17236  
Ion Ratio Lower Upper  
162 100  
127 64.8 26.9 40.3#  
164 41.9 26.8 40.2#

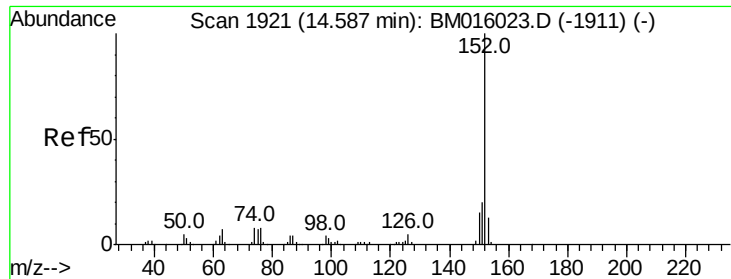


#47  
2-Nitroaniline  
Concen: 2.572 ng  
RT: 13.89 min Scan# 1802  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion: 65 Resp: 4503  
Ion Ratio Lower Upper  
65 100  
92 46.9 59.1 88.7#  
138 48.0 93.9 140.9#







#48

Acenaphthylene

Concen: 4.025 ng

RT: 14.50 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

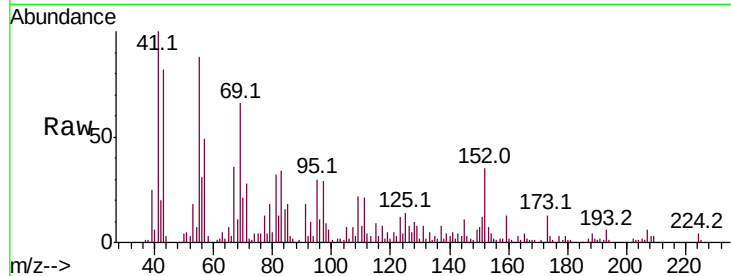
Tot Ion:152 Resp: 31209

Ion Ratio Lower Upper

152 100

151 33.5 15.9 23.9#

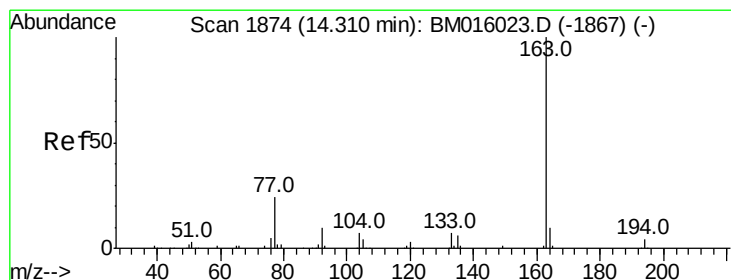
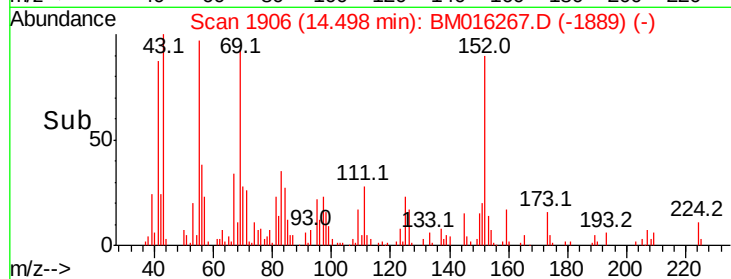
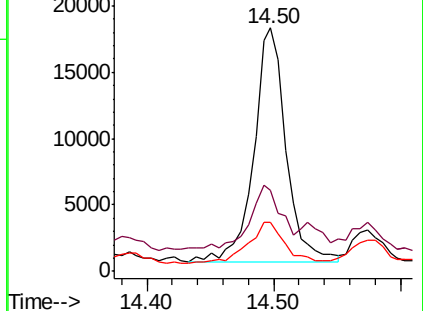
153 20.0 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.982 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

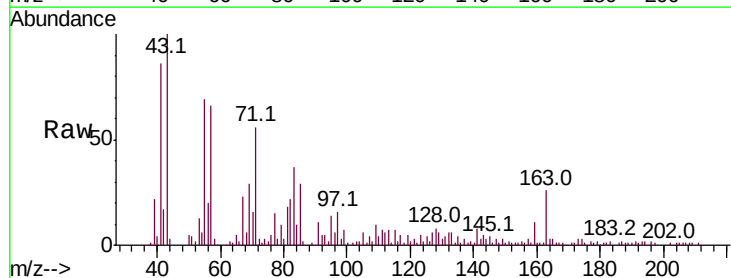
Tgt Ion:163 Resp: 26293

Ion Ratio Lower Upper

163 100

194 6.6 2.7 4.1#

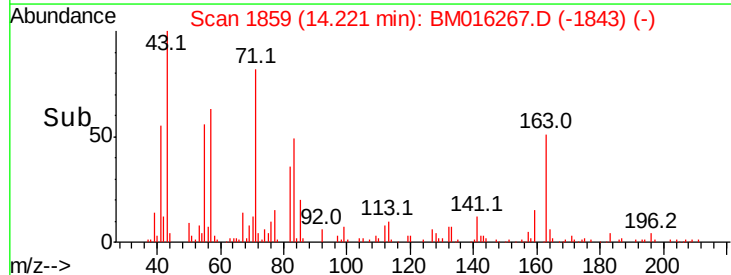
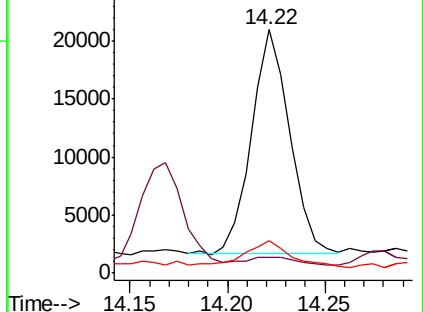
164 13.6 8.2 12.2#

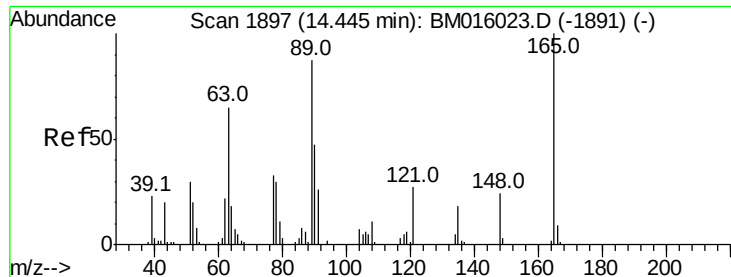


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 4.782 ng

RT: 14.36 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

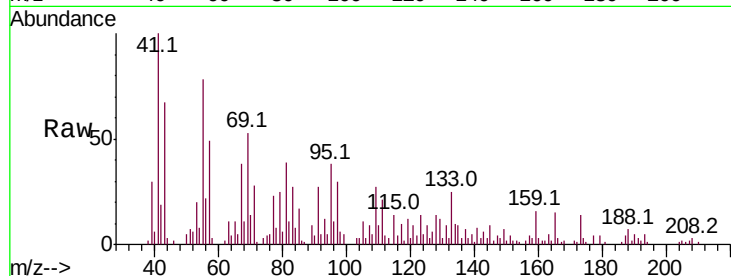
Tot Ion:165 Resp: 6353

Ion Ratio Lower Upper

165 100

63 72.1 44.1 66.1#

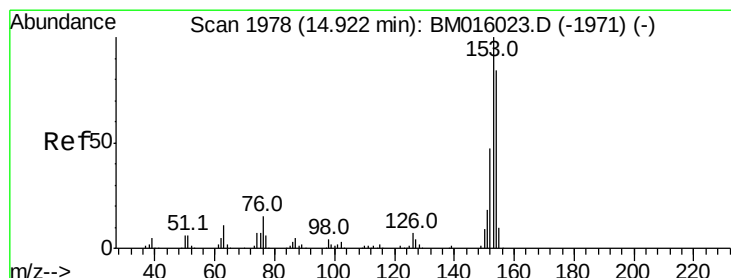
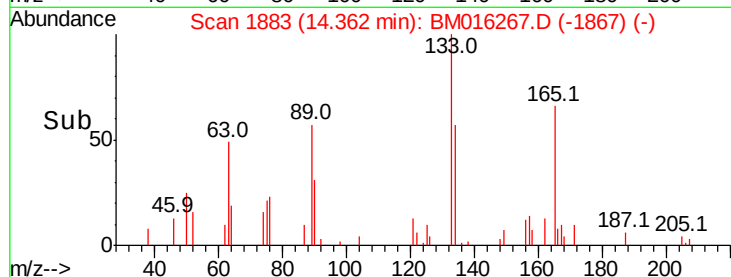
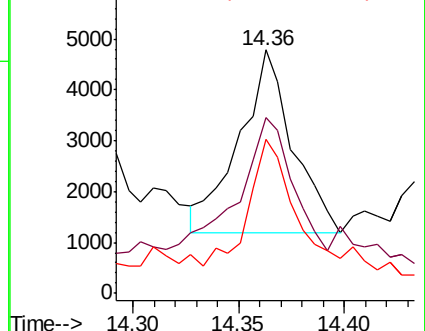
89 63.2 44.3 66.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#51

Acenaphthene

Concen: 3.460 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

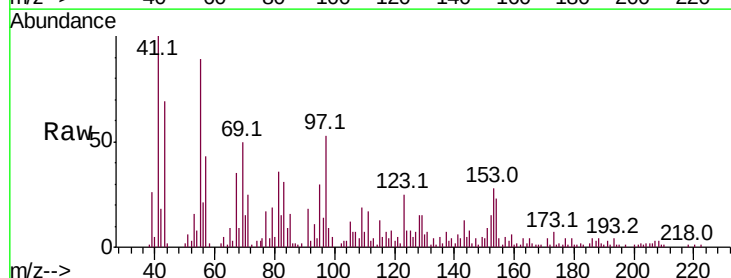
Tgt Ion:154 Resp: 16498

Ion Ratio Lower Upper

154 100

153 122.9 90.0 135.0

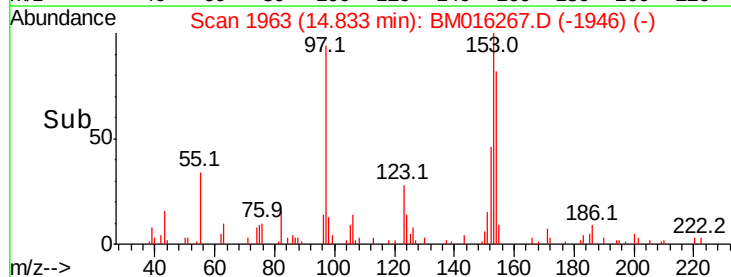
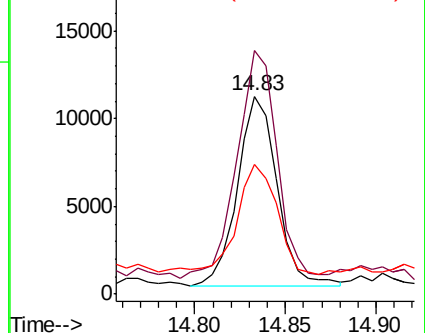
152 65.7 42.6 63.8#

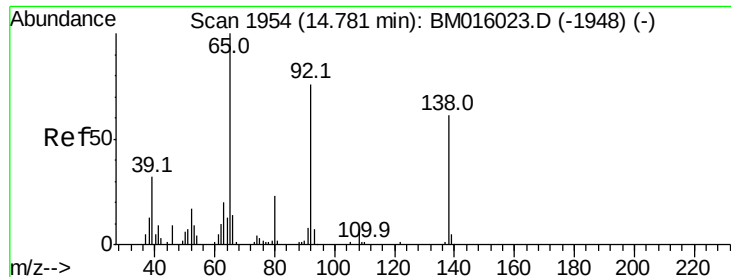


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

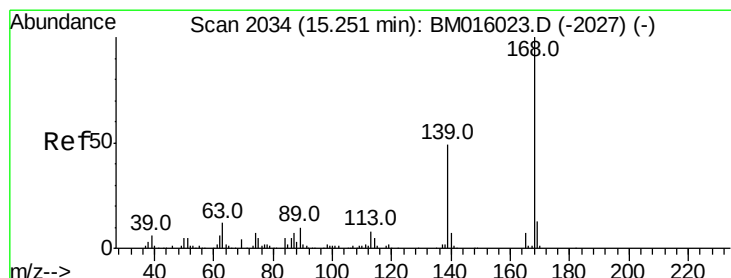
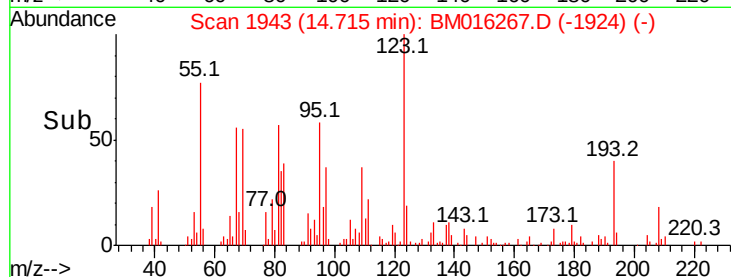
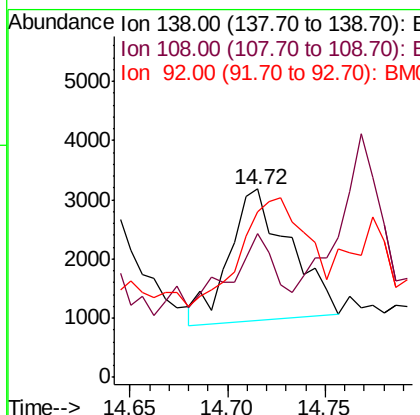
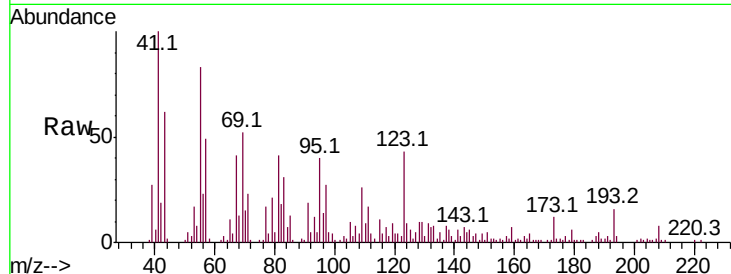




#52  
3-Nitroaniline  
Concen: 3.343 ng  
RT: 14.72 min Scan# 1943  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

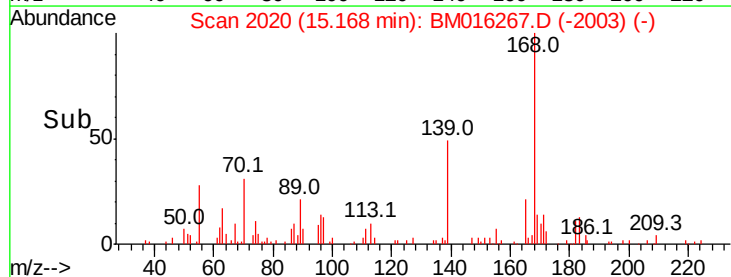
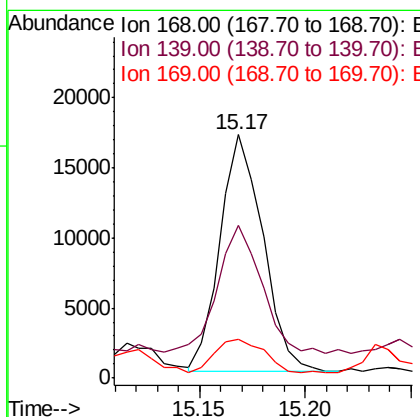
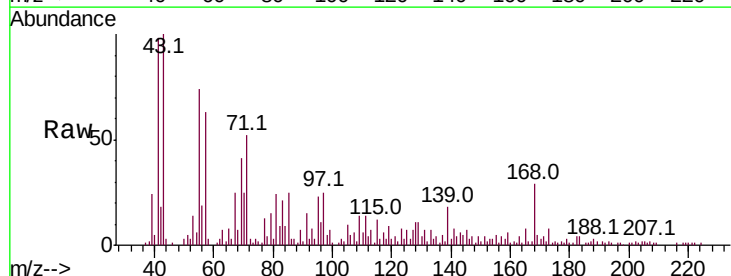
Instrument :  
BNA\_M  
ClientSampled :

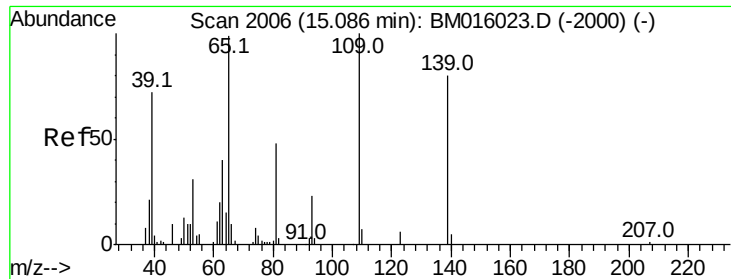
Tot Ion:138 Resp: 4798  
Ion Ratio Lower Upper  
138 100  
108 76.5 7.3 10.9#  
92 87.7 76.6 114.8



#54  
Dibenzofuran  
Concen: 3.021 ng  
RT: 15.17 min Scan# 2020  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:168 Resp: 23742  
Ion Ratio Lower Upper  
168 100  
139 62.7 27.3 40.9#  
169 15.9 10.6 16.0

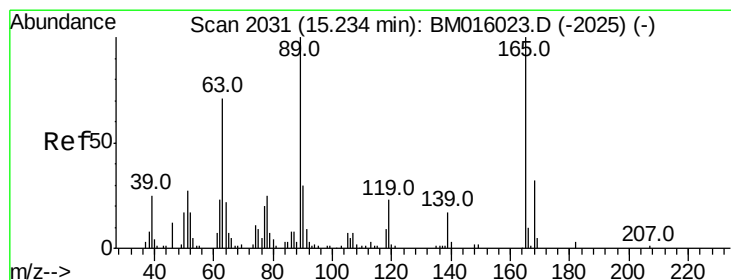
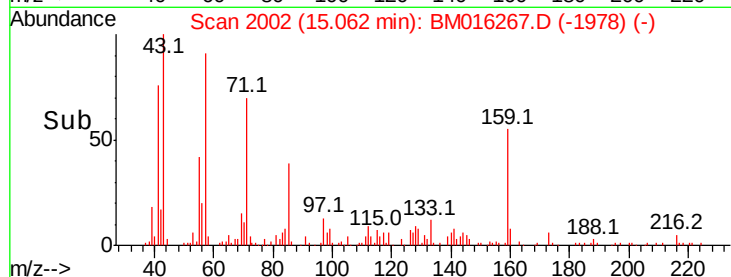
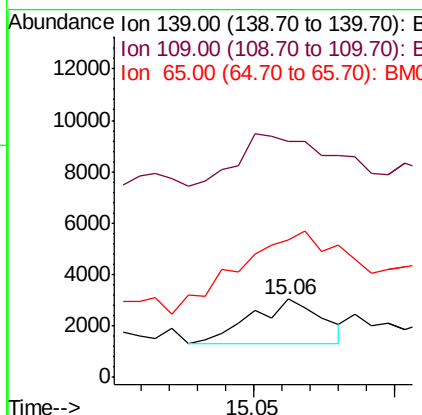
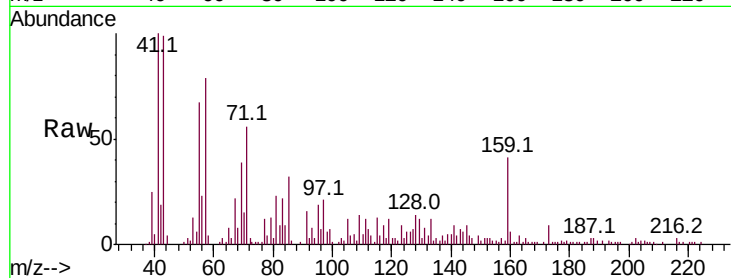




#55  
4-Nitrophenol  
Concen: 2.977 ng  
RT: 15.06 min Scan# 2002  
Delta R.T. 0.04 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

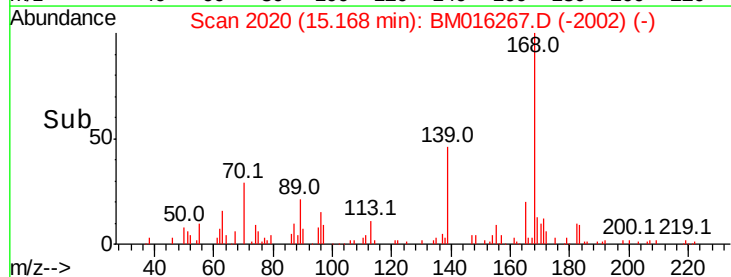
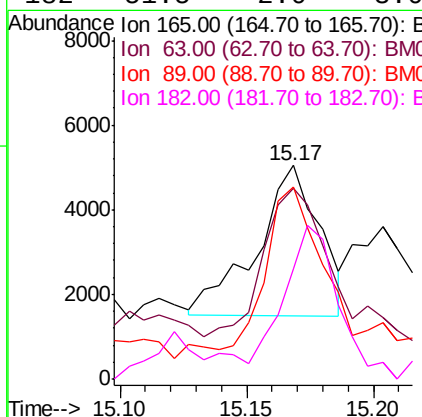
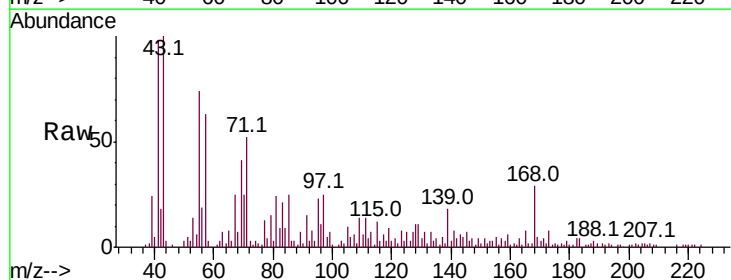
Instrument :  
BNA\_M  
ClientSampleId :

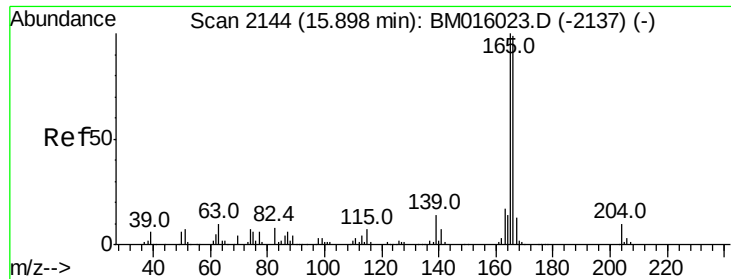
Tot Ion:139 Resp: 3063  
Ion Ratio Lower Upper  
139 100  
109 302.9 130.0 170.0#  
65 176.6 130.0 170.0#



#56  
2,4-Dinitrotoluene  
Concen: 3.223 ng  
RT: 15.17 min Scan# 2020  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:165 Resp: 6123  
Ion Ratio Lower Upper  
165 100  
63 89.3 52.4 78.6#  
89 89.8 72.4 108.6  
182 51.5 2.0 3.0#

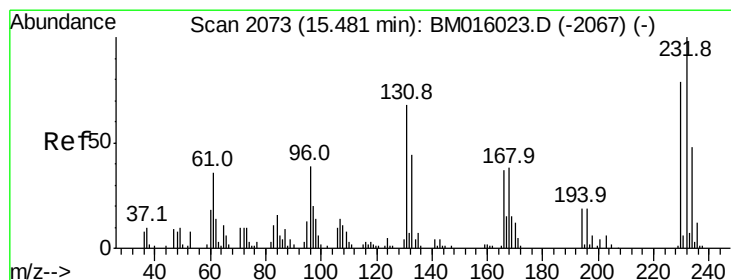
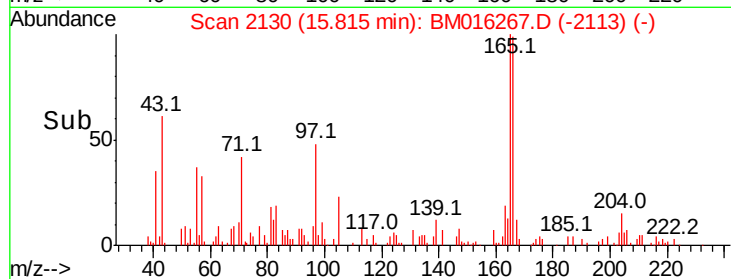
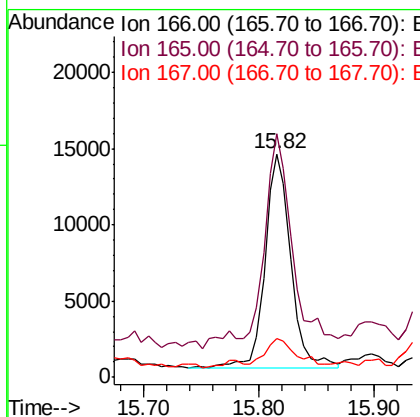
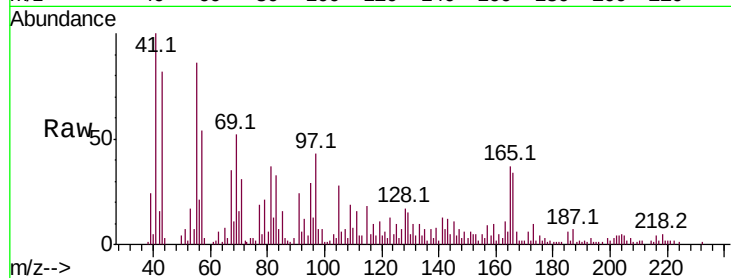




#57  
Fluorene  
Concen: 3.764 ng  
RT: 15.82 min Scan# 2130  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

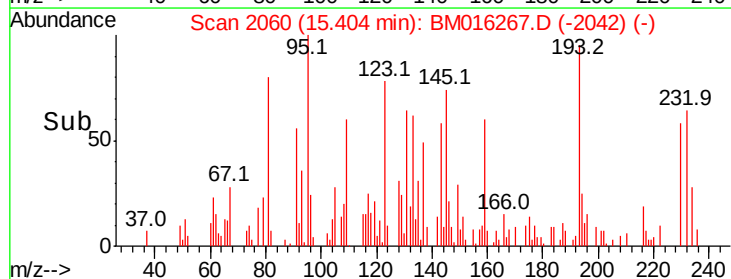
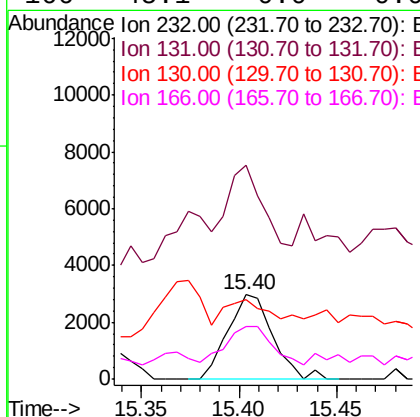
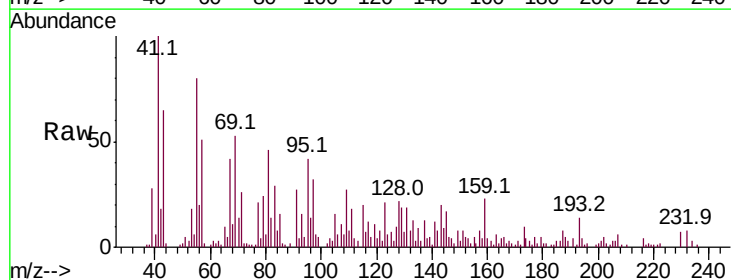
Instrument :  
BNA\_M  
ClientSampleId :

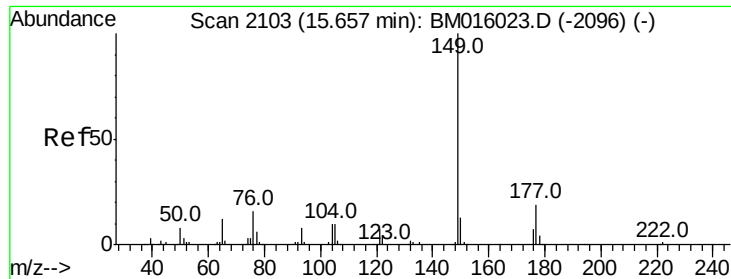
Tot Ion:166 Resp: 21980  
Ion Ratio Lower Upper  
166 100  
165 108.9 79.0 118.4  
167 17.5 10.3 15.5#



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.300 ng  
RT: 15.40 min Scan# 2060  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:232 Resp: 4702  
Ion Ratio Lower Upper  
232 100  
131 96.7 0.0 0.0#  
130 35.0 0.0 0.0#  
166 45.1 0.0 0.0#





#59

Diethylphthalate

Concen: 4.538 ng

RT: 15.57 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

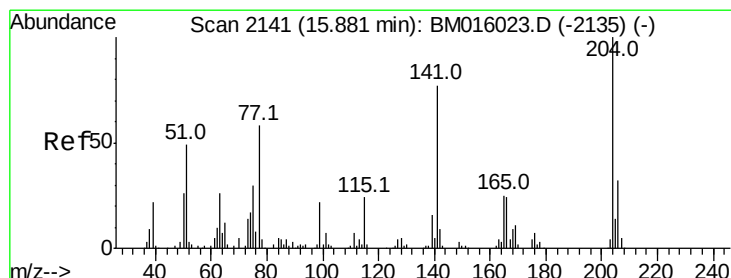
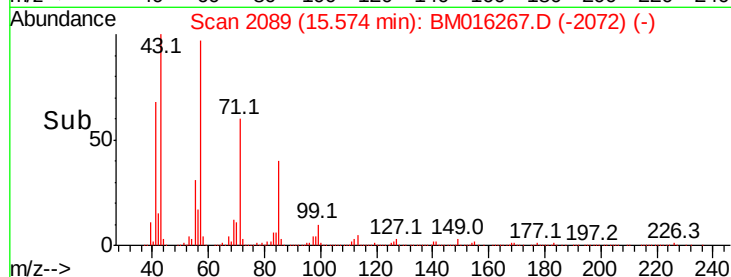
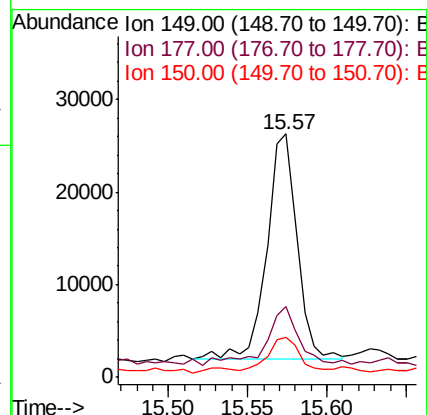
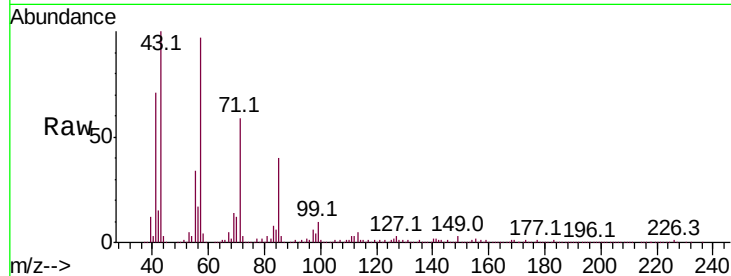
Tot Ion:149 Resp: 32296

Ion Ratio Lower Upper

149 100

177 29.3 18.3 27.5#

150 16.3 9.8 14.8#



#60

4-Chlorophenyl-phenylether

Concen: 3.896 ng

RT: 15.80 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

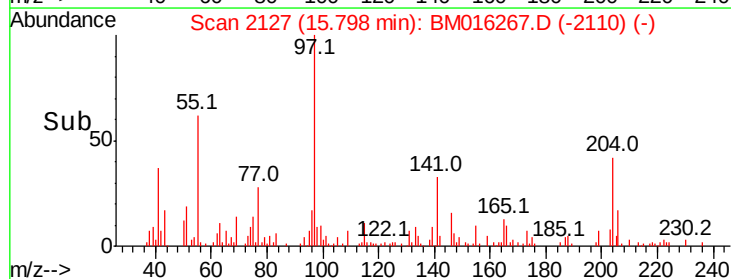
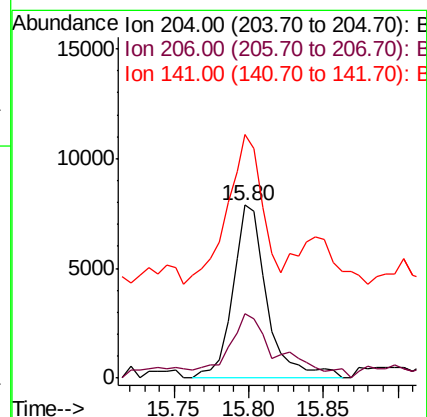
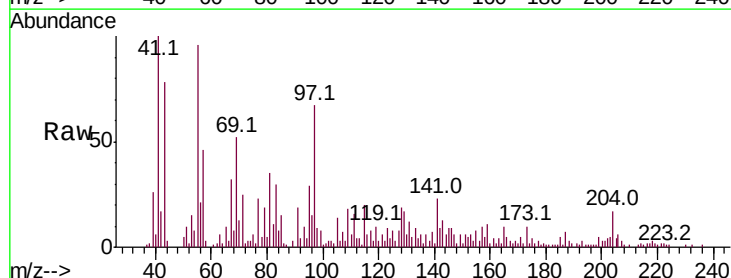
Tgt Ion:204 Resp: 12664

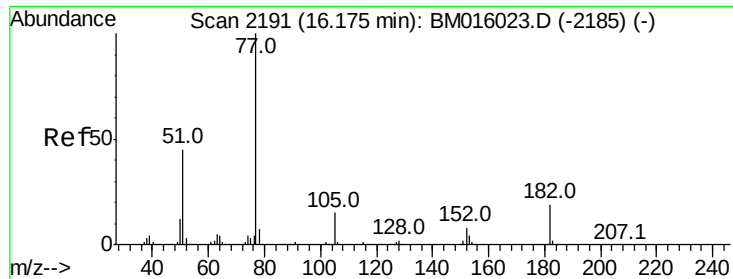
Ion Ratio Lower Upper

204 100

206 37.2 26.6 39.8

141 141.0 45.2 67.8#





#62

Azobenzene

Concen: 3.150 ng

RT: 16.09 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 77 Resp: 23611

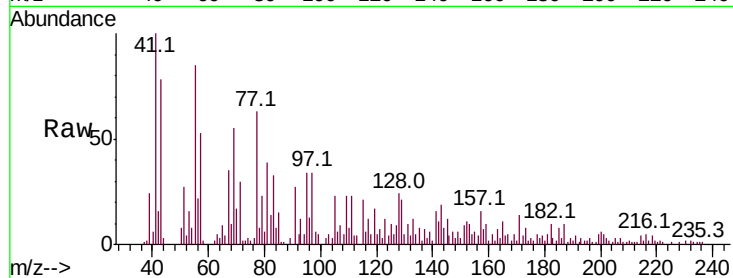
Ion Ratio Lower Upper

77 100

182 16.6 6.5 46.5

105 36.1 3.8 43.8

51 42.4 5.5 45.5

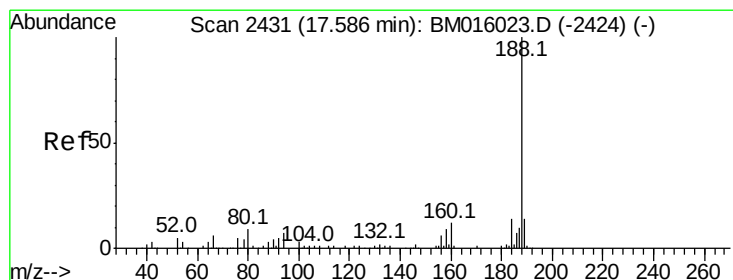
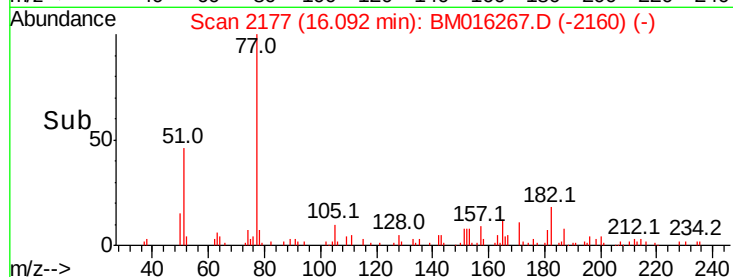
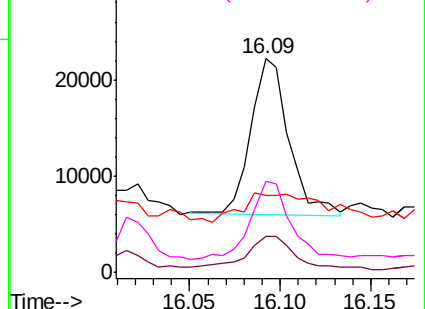


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: 20.000 ng

RT: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

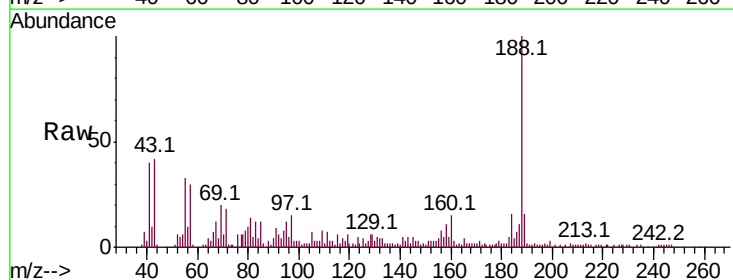
Tgt Ion: 188 Resp: 154368

Ion Ratio Lower Upper

188 100

94 8.3 8.7 13.1#

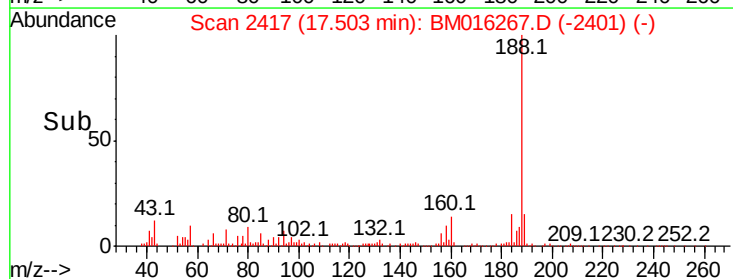
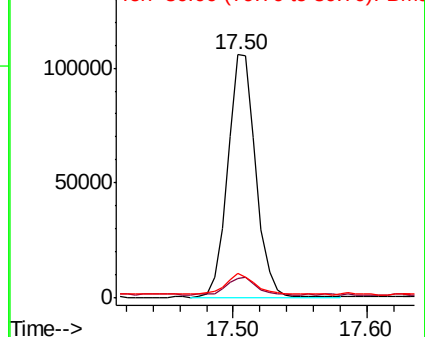
80 10.0 9.3 13.9

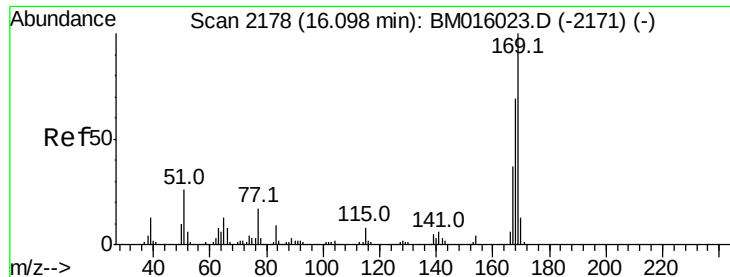


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

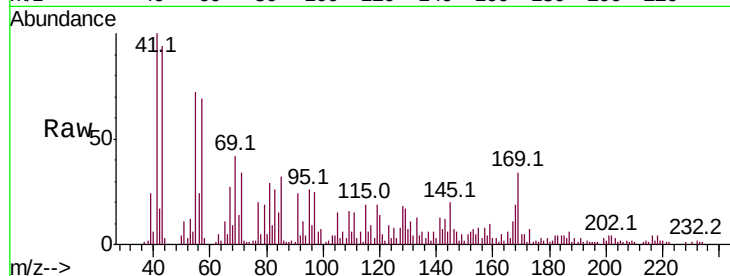




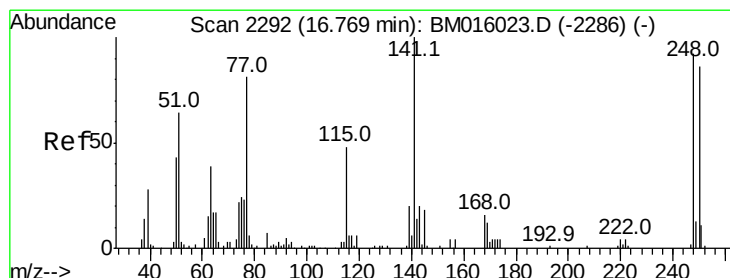
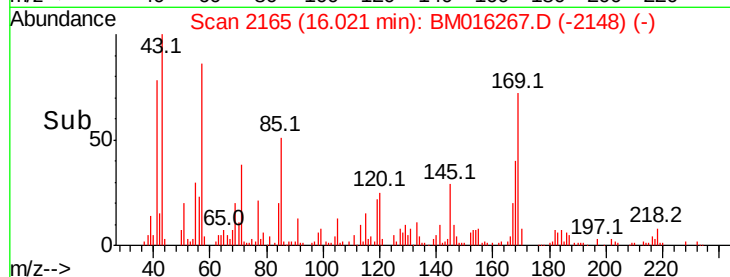
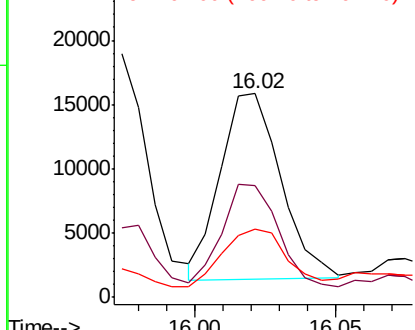
#65  
 n-Nitrosodiphenylamine  
 Concen: 4.228 ng  
 RT: 16.02 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:169 Resp: 21489  
 Ion Ratio Lower Upper  
 169 100  
 168 55.2 53.9 80.9  
 167 33.4 28.9 43.3

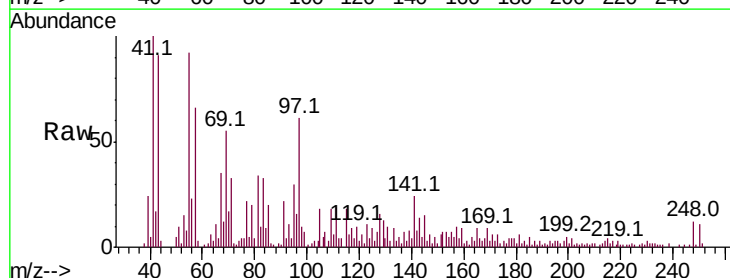


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

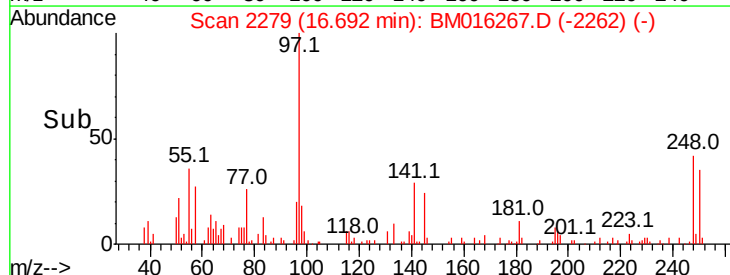
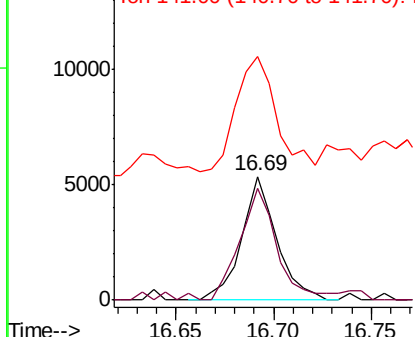


#66  
 4-Bromophenyl-phenylether  
 Concen: 3.845 ng  
 RT: 16.69 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

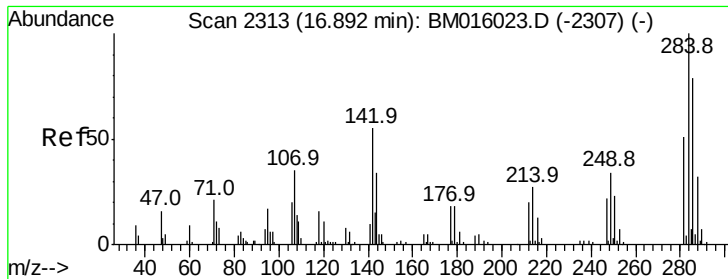
Tgt Ion:248 Resp: 6721  
 Ion Ratio Lower Upper  
 248 100  
 250 90.2 77.4 116.0  
 141 196.5 45.2 67.8#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E



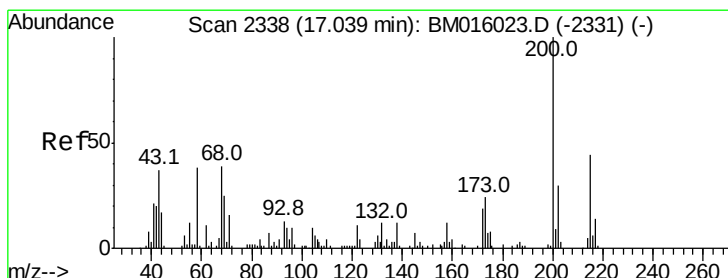
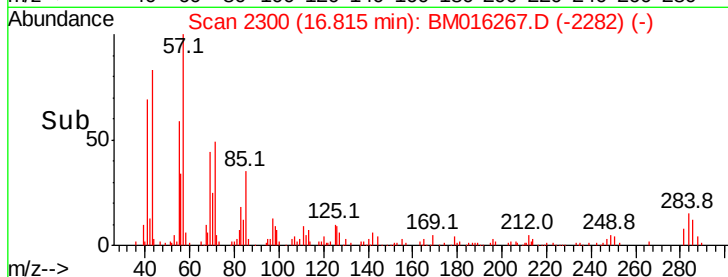
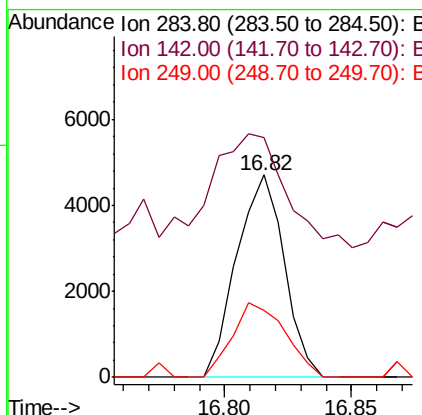
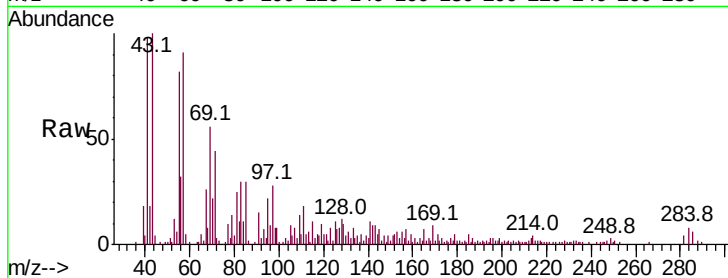




#67  
Hexachlorobenzene  
Concen: 3.193 ng  
RT: 16.82 min Scan# 2300  
Delta R.T. 0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

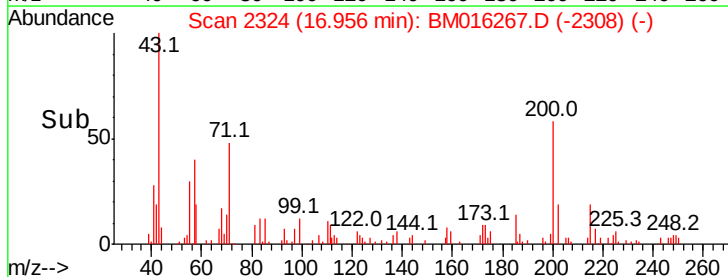
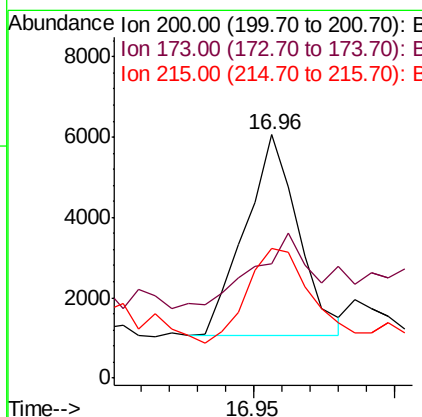
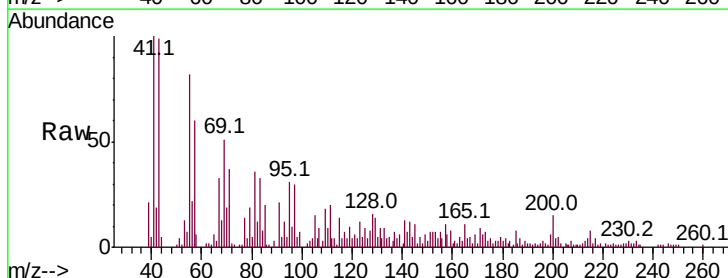
Instrument :  
BNA\_M  
ClientSampled :

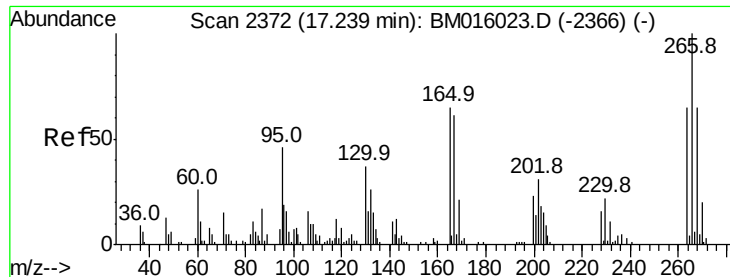
Tot Ion:284 Resp: 6146  
Ion Ratio Lower Upper  
284 100  
142 118.9 20.4 30.6#  
249 33.0 23.8 35.6



#68  
Atrazine  
Concen: 3.598 ng  
RT: 16.96 min Scan# 2324  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:200 Resp: 6554  
Ion Ratio Lower Upper  
200 100  
173 46.8 4.8 44.8#  
215 53.2 26.9 66.9

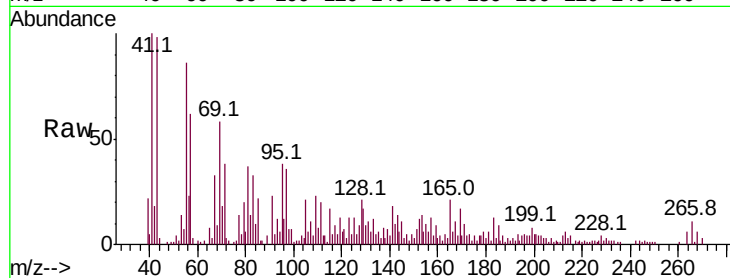




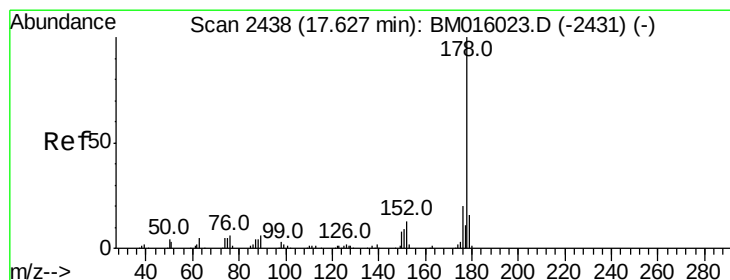
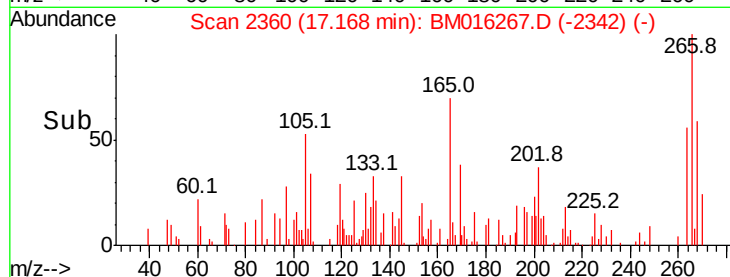
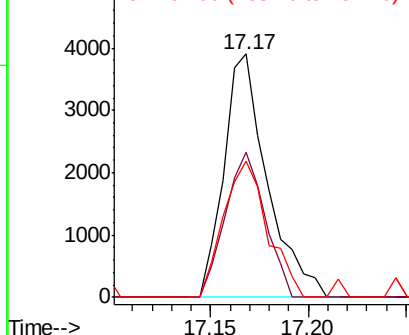
#69  
 Pentachlorophenol  
 Concen: 5.036 ng  
 RT: 17.17 min Scan# 2360  
 Delta R.T. 0.01 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:266 Resp: 6003  
 Ion Ratio Lower Upper  
 266 100  
 268 59.4 52.0 78.0  
 264 55.7 49.0 73.4

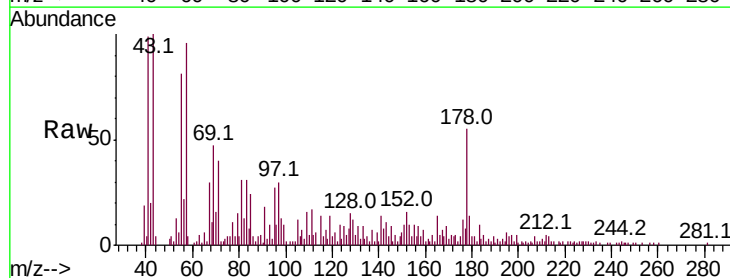


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

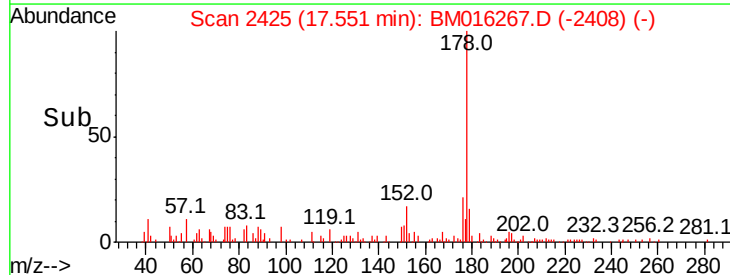
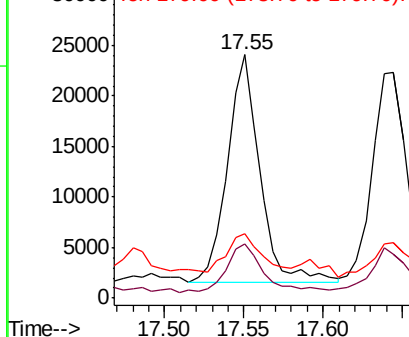


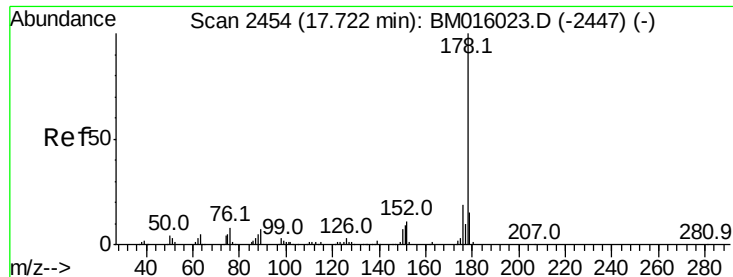
#70  
 Phenanthrene  
 Concen: 3.665 ng  
 RT: 17.55 min Scan# 2425  
 Delta R.T. -0.00 min  
 Lab File: BM016267.D  
 Acq: 09 Aug 2018 03:27

Tgt Ion:178 Resp: 31672  
 Ion Ratio Lower Upper  
 178 100  
 176 22.5 15.2 22.8  
 179 26.2 12.1 18.1#



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.668 ng

RT: 17.64 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

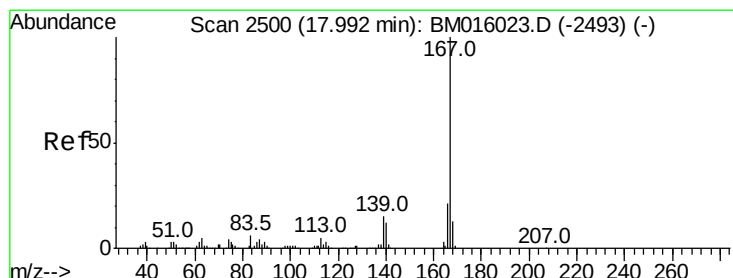
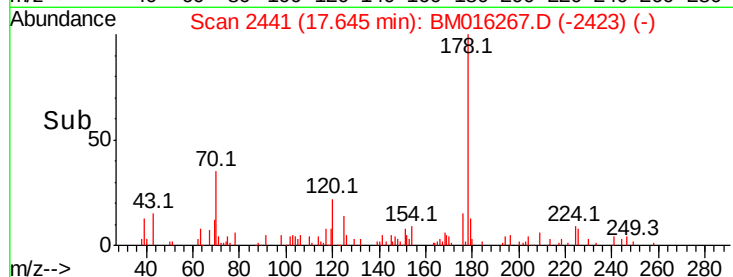
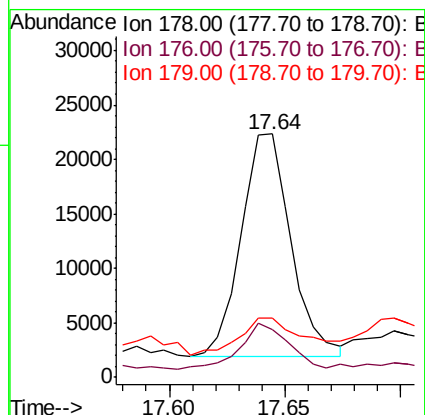
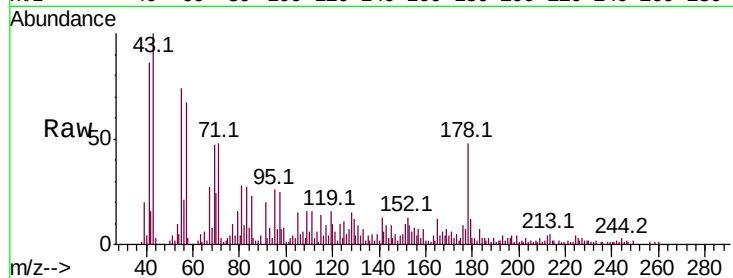
Tot Ion:178 Resp: 30810

Ion Ratio Lower Upper

178 100

176 19.6 14.6 22.0

179 24.4 12.6 19.0#



#72

Carbazole

Concen: 3.878 ng

RT: 17.92 min Scan# 2487

Delta R.T. -0.00 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

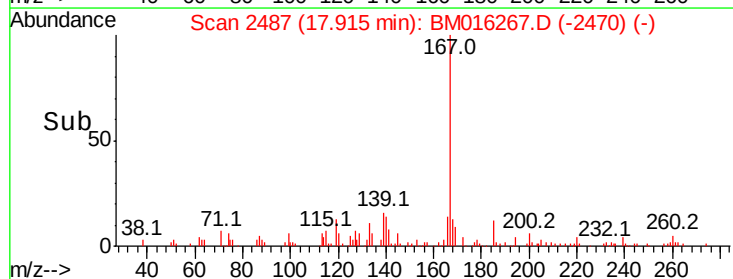
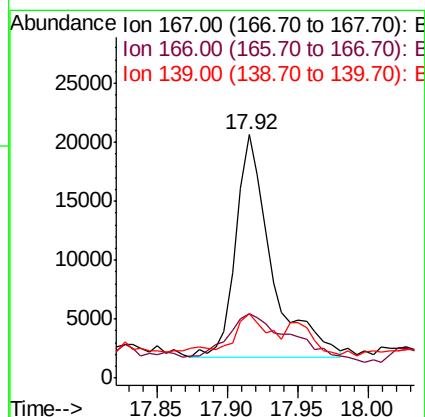
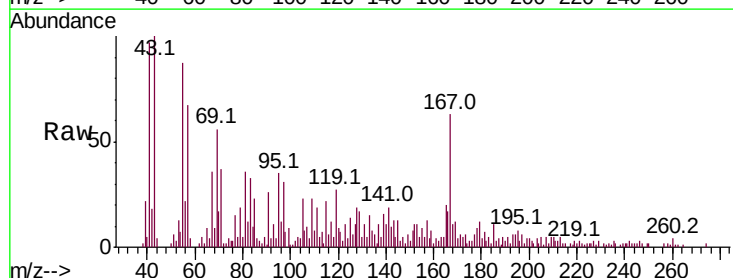
Tgt Ion:167 Resp: 33747

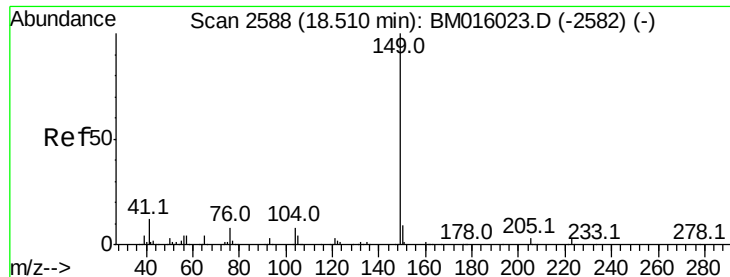
Ion Ratio Lower Upper

167 100

166 26.6 17.2 25.8#

139 26.2 10.8 16.2#

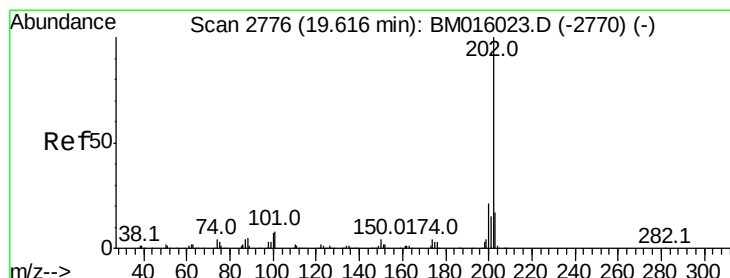
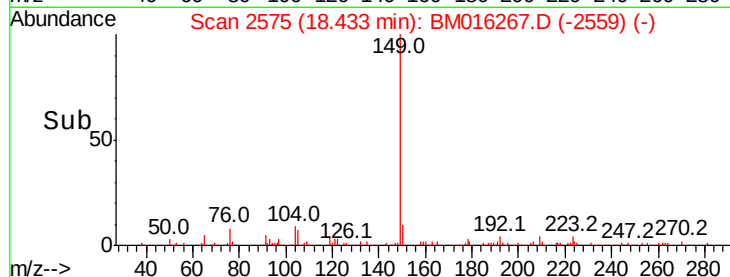
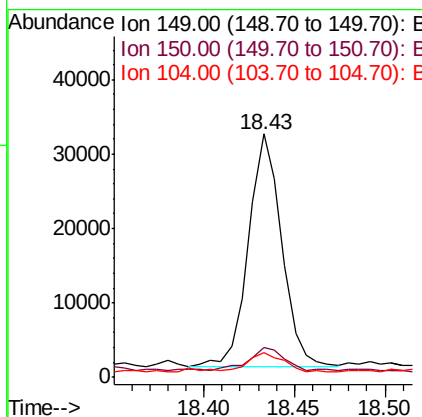
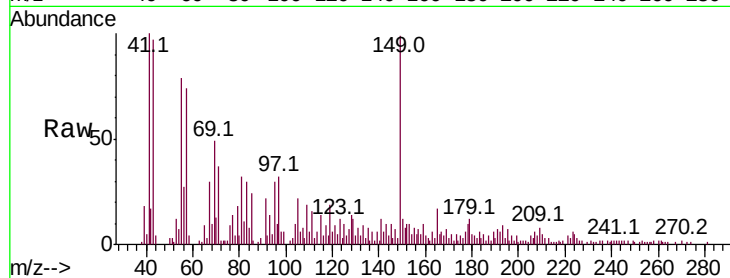




#73  
Di-n-butylphthalate  
Concen: 3.658 ng  
RT: 18.43 min Scan# 2575  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

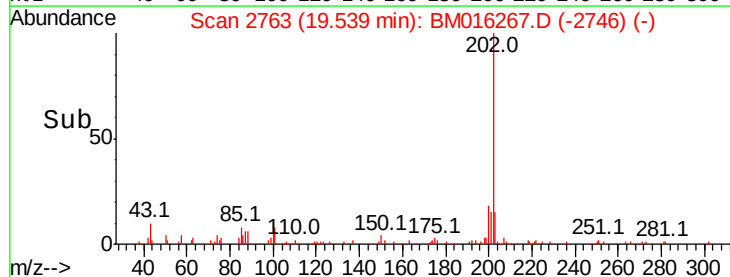
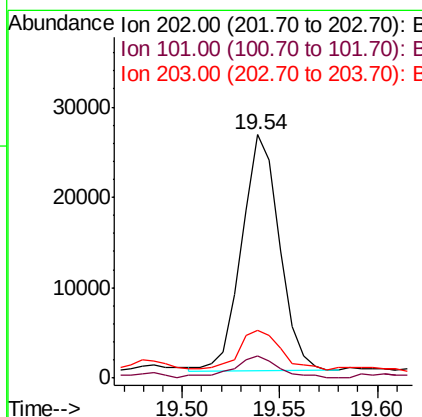
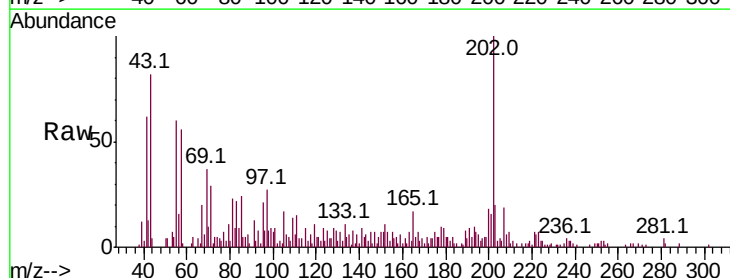
Instrument :  
BNA\_M  
ClientSampleId :

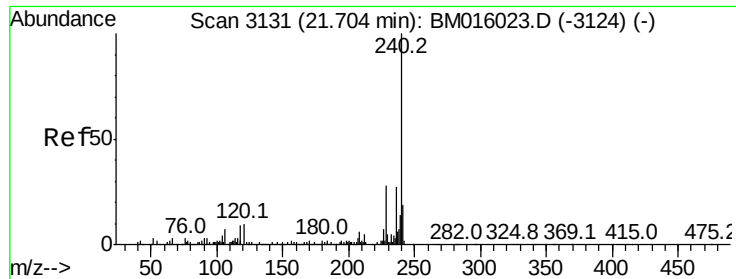
Tot Ion:149 Resp: 39662  
Ion Ratio Lower Upper  
149 100  
150 12.2 7.5 11.3#  
104 10.0 3.7 5.5#



#74  
Fluoranthene  
Concen: 3.607 ng  
RT: 19.54 min Scan# 2763  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:202 Resp: 34775  
Ion Ratio Lower Upper  
202 100  
101 9.1 0.0 28.7  
203 19.7 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM016267.D

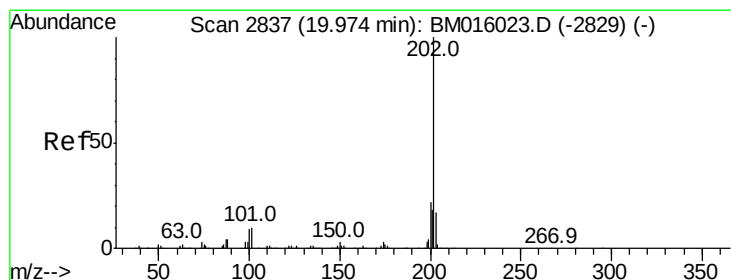
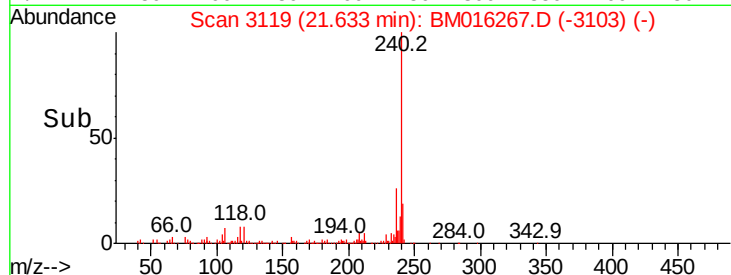
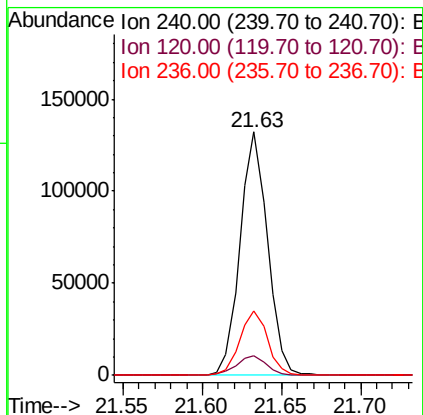
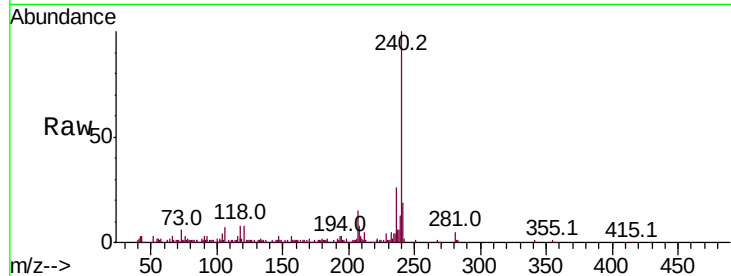
Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:240 | Resp: | 158396 |
| Ion Ratio   | Lower | Upper  |
| 240 100     |       |        |
| 120 7.9     | 8.2   | 12.2#  |
| 236 26.2    | 20.0  | 30.0   |



#77

Pyrene

Concen: 4.465 ng

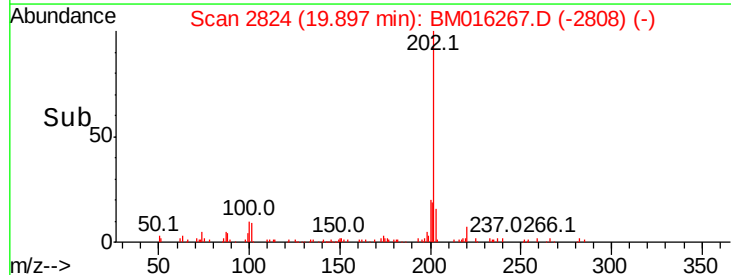
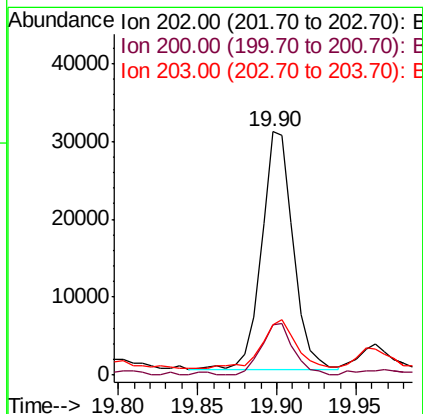
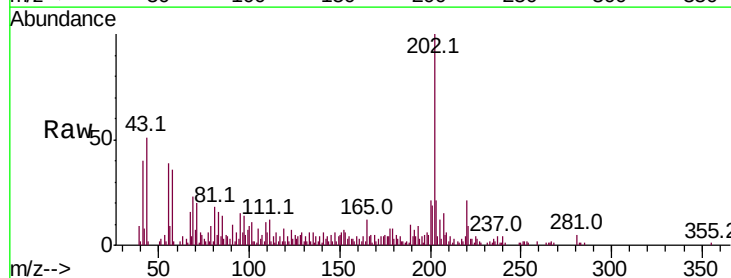
RT: 19.90 min Scan# 2824

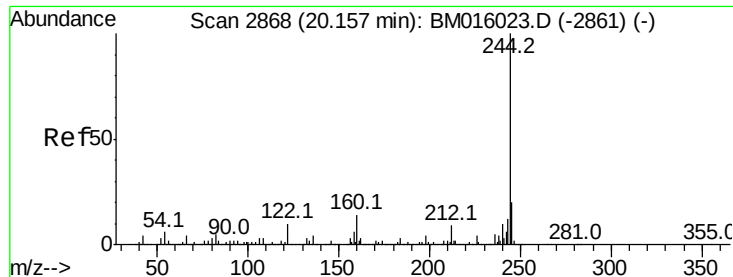
Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:202 | Resp: | 42384 |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 200 20.9    | 16.9  | 25.3  |
| 203 20.8    | 14.1  | 21.1  |





#78

Terphenyl-d14

Concen: 4.465 ng

RT: 20.08 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampled :

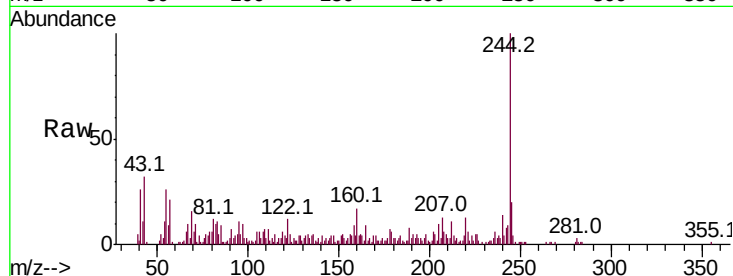
Tot Ion:244 Resp: 53622

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 11.4  | 4.9   | 7.3#  |
| 122 | 11.7  | 6.2   | 9.4#  |

244 100

212 11.4 4.9 7.3#

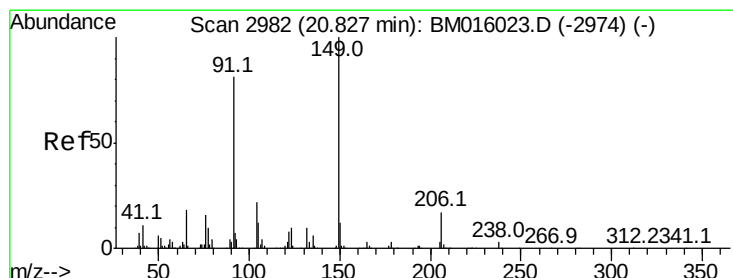
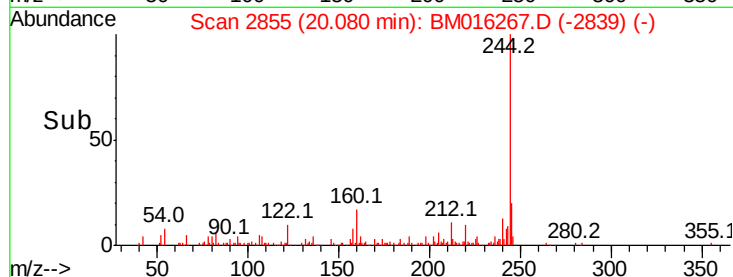
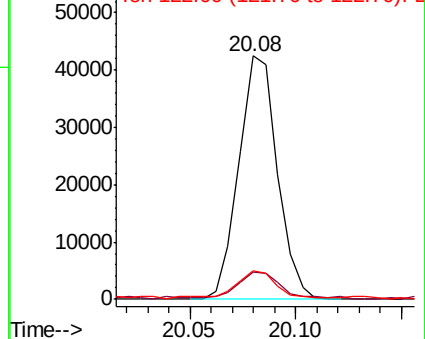
122 11.7 6.2 9.4#



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: 3.505 ng

RT: 20.76 min Scan# 2970

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

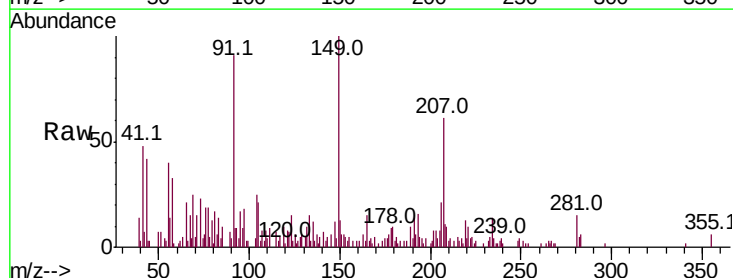
Tgt Ion:149 Resp: 16903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 90.7  | 50.1  | 75.1# |
| 206 | 20.9  | 16.2  | 24.2  |

149 100

91 90.7 50.1 75.1#

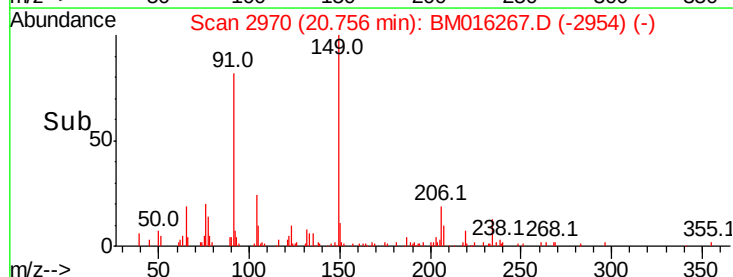
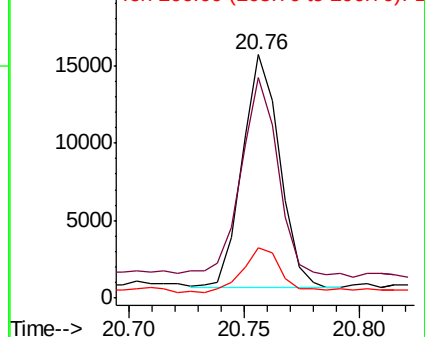
206 20.9 16.2 24.2

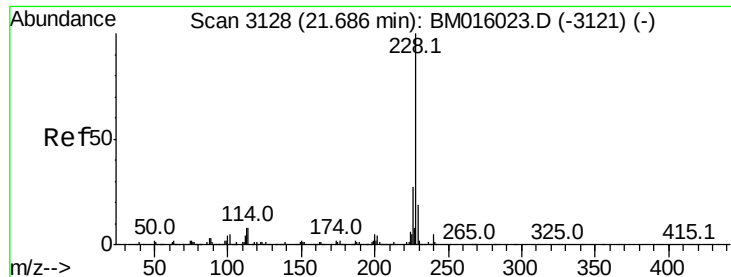


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

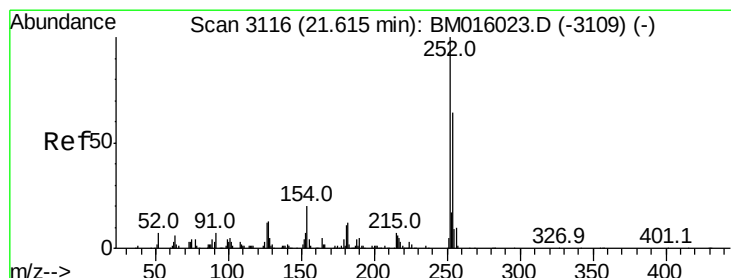
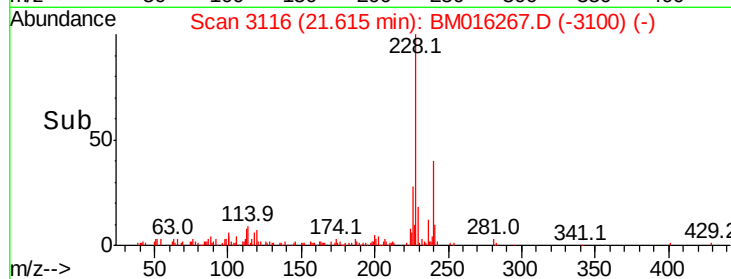
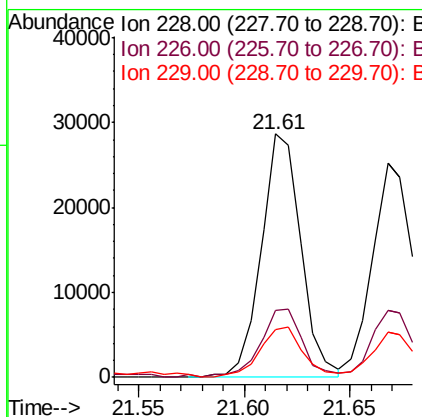
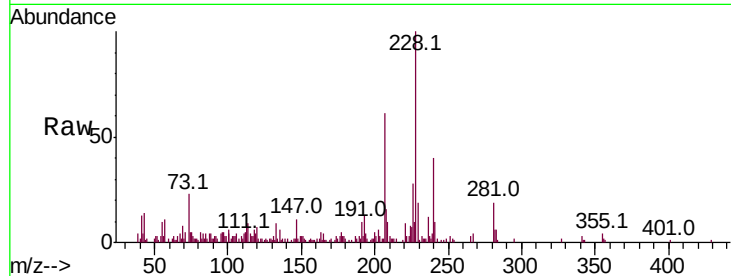




#80  
Benzo(a)anthracene  
Concen: 3.838 ng  
RT: 21.61 min Scan# 3116  
Delta R.T. -0.01 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

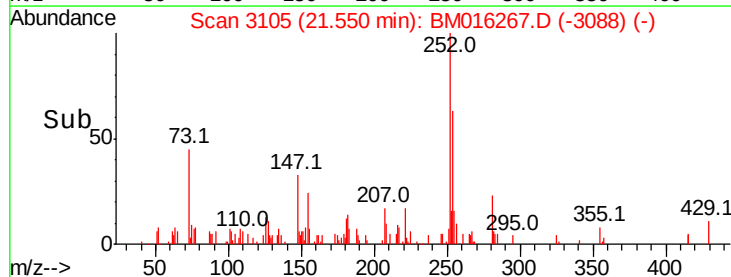
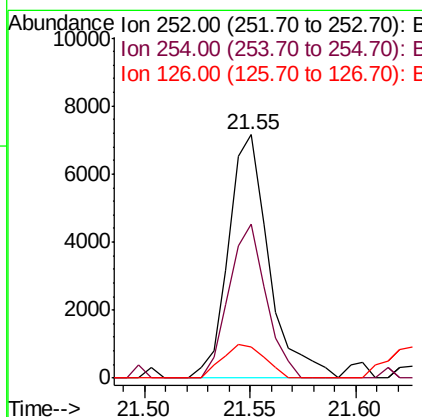
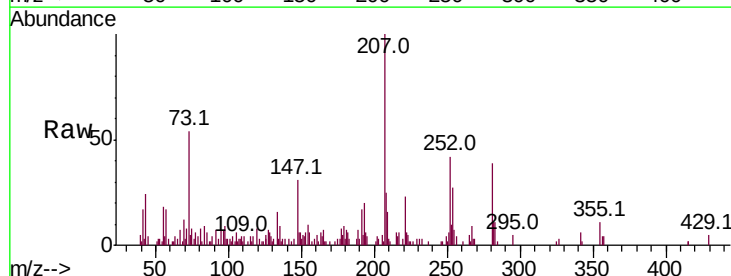
Instrument :  
BNA\_M  
ClientSampleId :

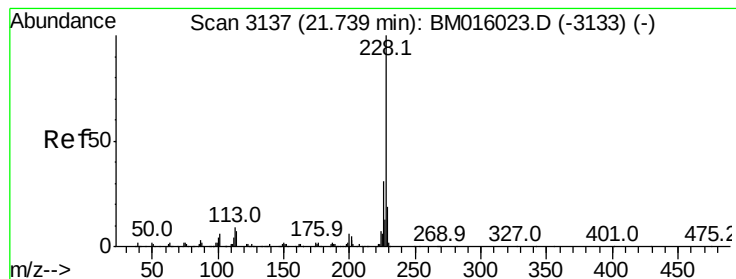
Tot Ion:228 Resp: 37445  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 19.4 16.0 24.0



#81  
3,3'-Dichlorobenzidine  
Concen: 2.405 ng  
RT: 21.55 min Scan# 3105  
Delta R.T. -0.00 min  
Lab File: BM016267.D  
Acq: 09 Aug 2018 03:27

Tgt Ion:252 Resp: 9450  
Ion Ratio Lower Upper  
252 100  
254 63.1 51.9 77.9  
126 12.6 9.8 14.8





#82

Chrysene

Concen: 3.616 ng

RT: 21.67 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

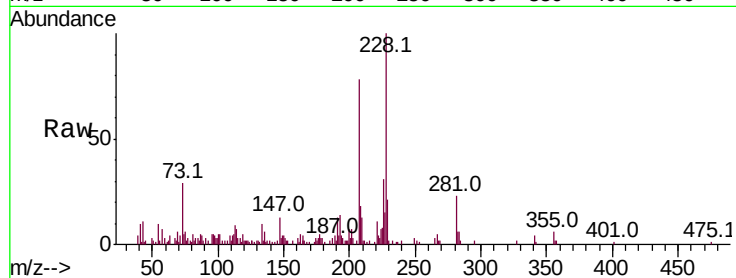
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 33840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.1  | 24.1  | 36.1  |
| 229 | 21.1  | 15.5  | 23.3  |

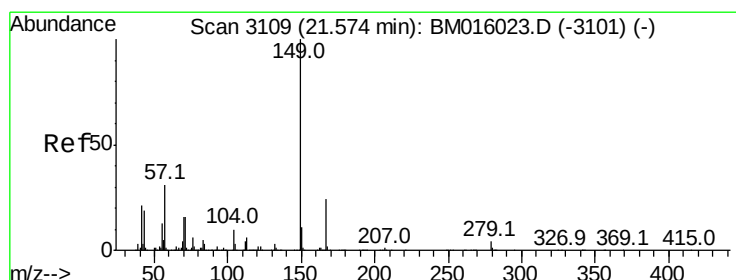
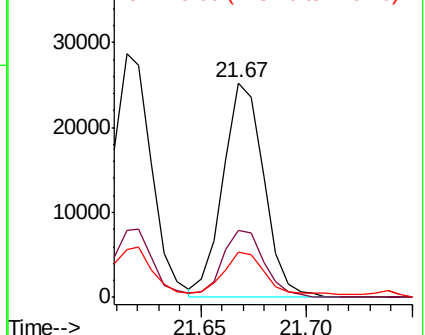
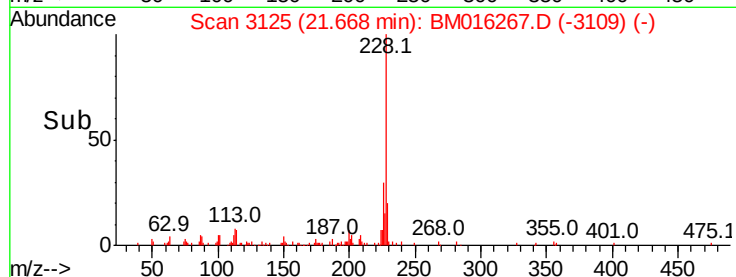


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.587 ng

RT: 21.50 min Scan# 3097

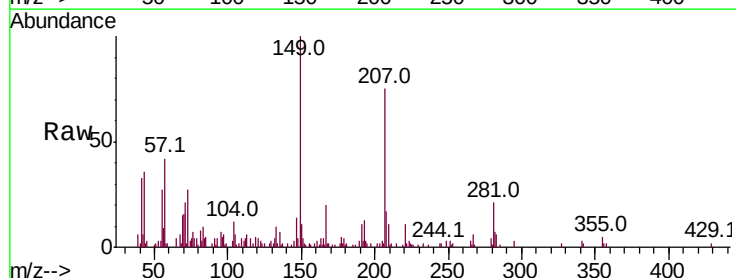
Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Tgt Ion:149 Resp: 25067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 20.2  | 22.4  | 33.6# |
| 279 | 3.6   | 3.4   | 5.0   |

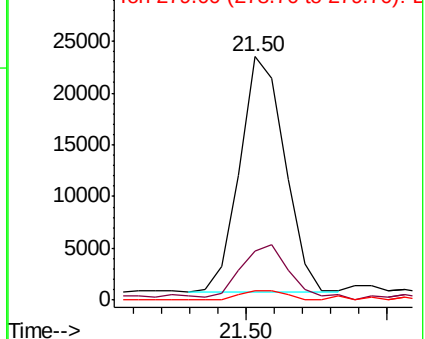
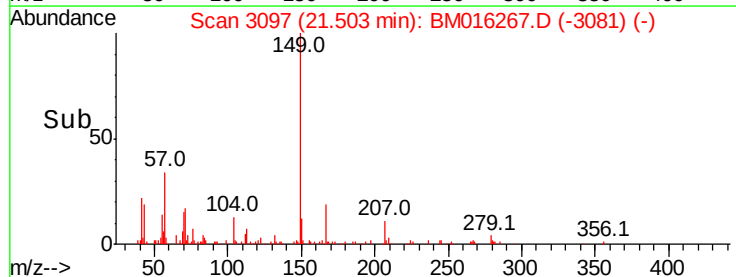


Abundance

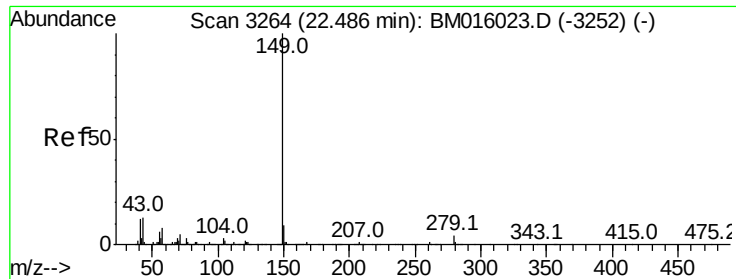
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E







#84

Di-n-octyl phthalate

Concen: 3.623 ng

RT: 22.40 min Scan# 3250

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

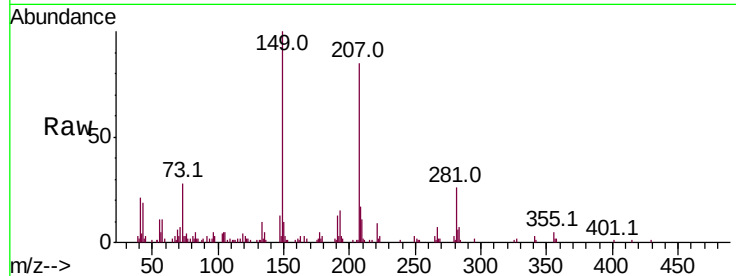
Tot Ion:149 Resp: 42548

Ion Ratio Lower Upper

149 100

167 2.6 1.2 1.8#

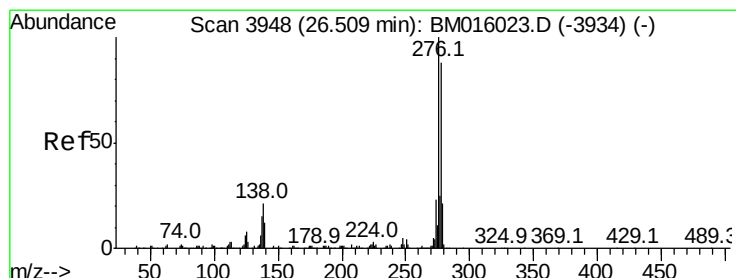
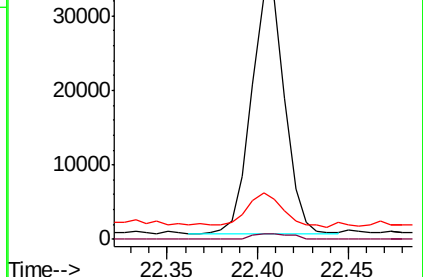
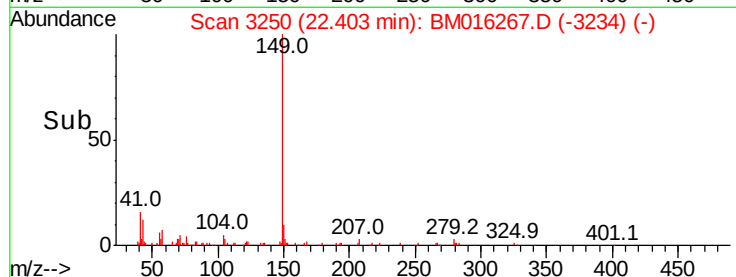
43 15.2 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.878 ng

RT: 26.36 min Scan# 3922

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

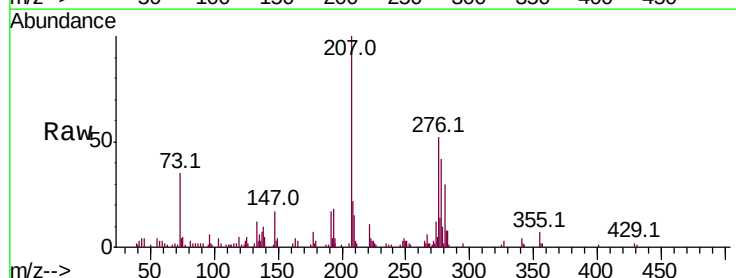
Tgt Ion:276 Resp: 43068

Ion Ratio Lower Upper

276 100

138 18.6 12.0 18.0#

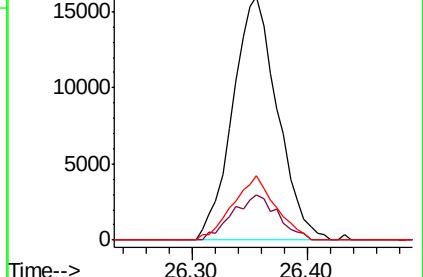
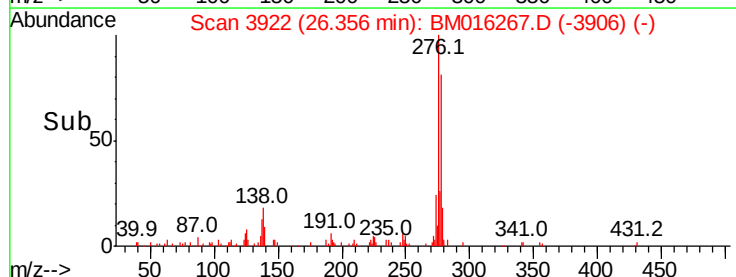
277 25.2 20.0 30.0

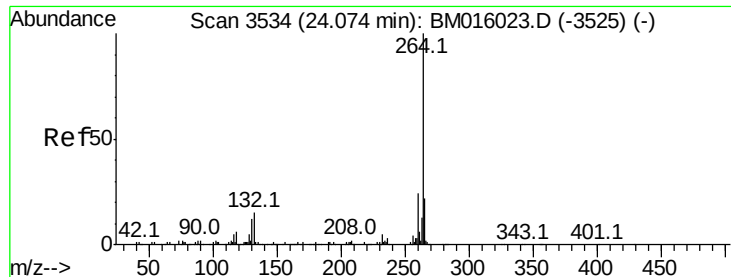


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.97 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

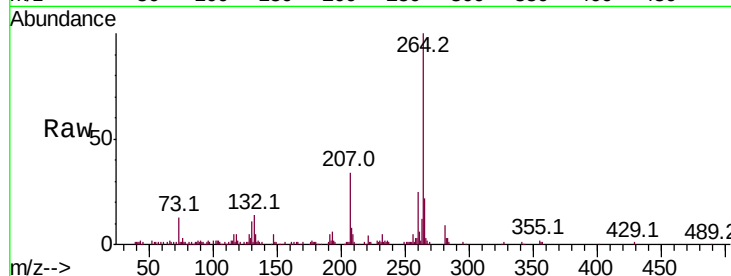
Tot Ion:264 Resp: 170832

Ion Ratio Lower Upper

264 100

260 25.1 18.6 27.8

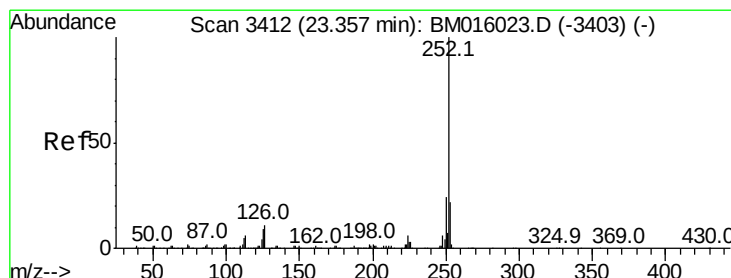
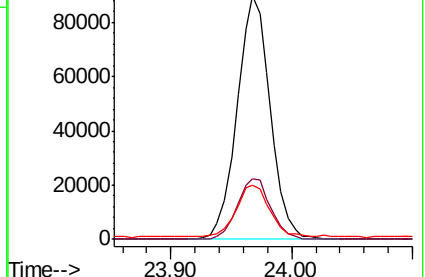
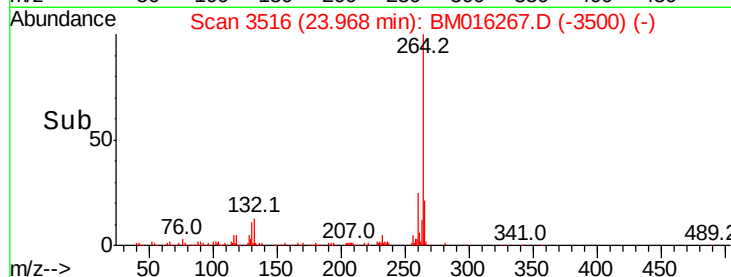
265 22.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 3.262 ng

RT: 23.31 min Scan# 3404

Delta R.T. 0.04 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

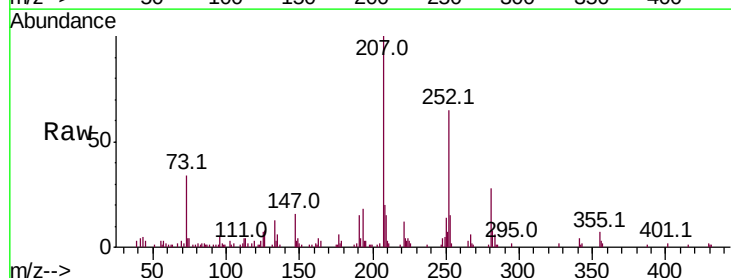
Tgt Ion:252 Resp: 32809

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

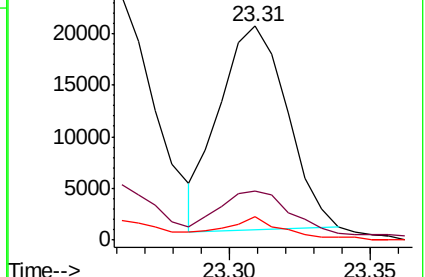
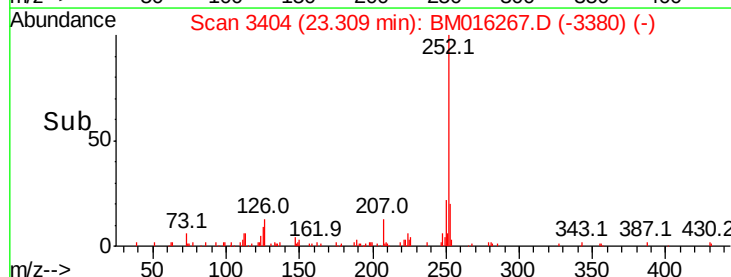
125 10.9 9.9 14.9

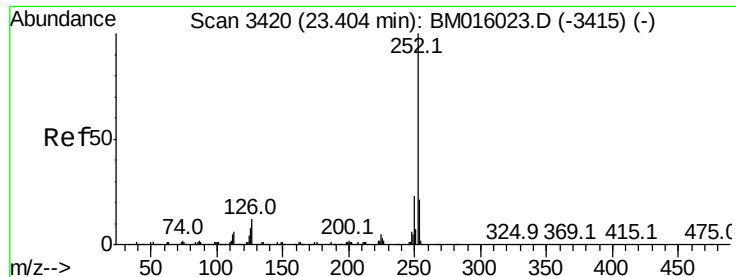


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.611 ng

RT: 23.31 min Scan# 3404

Delta R.T. -0.01 min

Lab File: BM016267.D

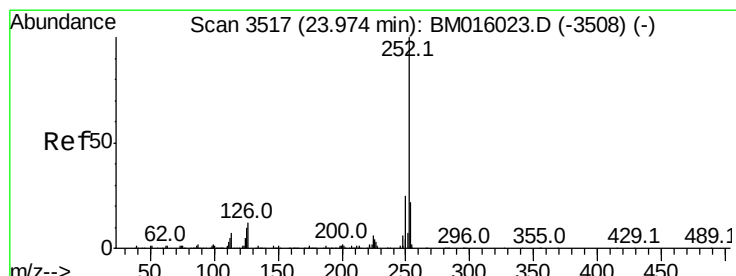
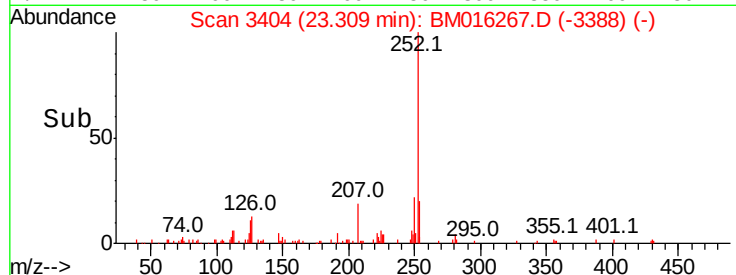
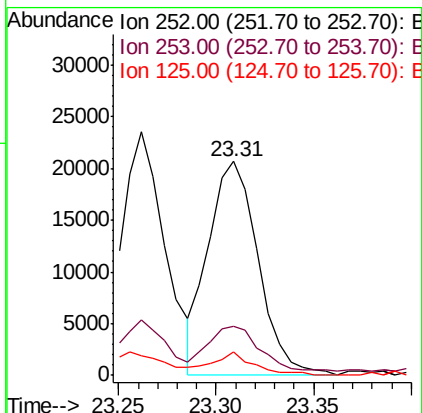
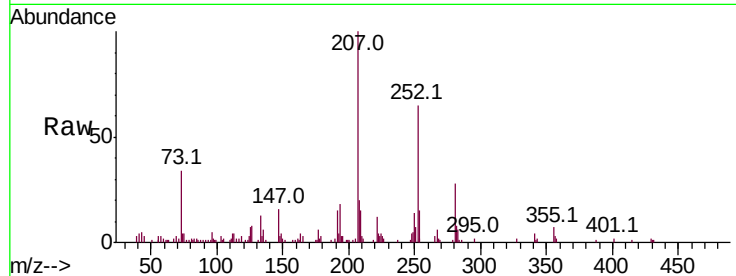
Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 36804     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.8  | 17.2 25.8 |
| 125         | 10.9  | 8.1 12.1  |



#89

Benzo(a)pyrene

Concen: 3.585 ng

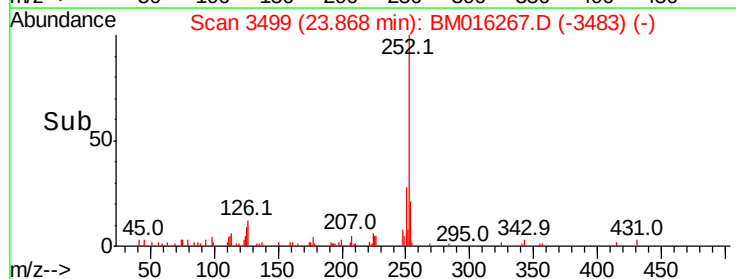
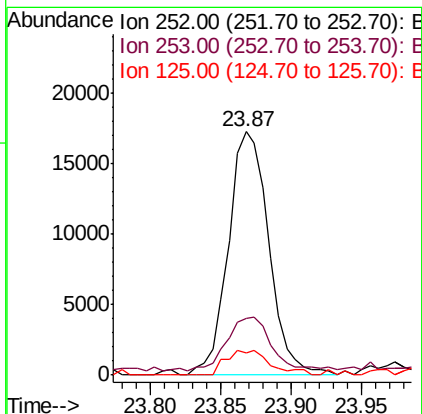
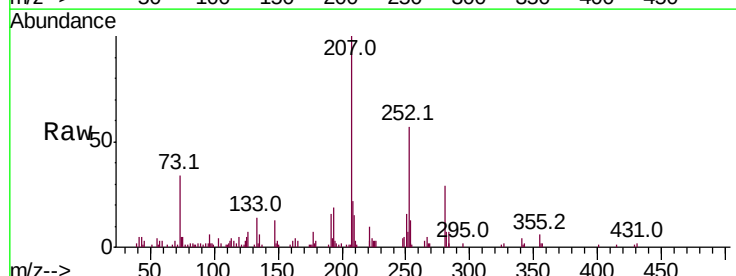
RT: 23.87 min Scan# 3499

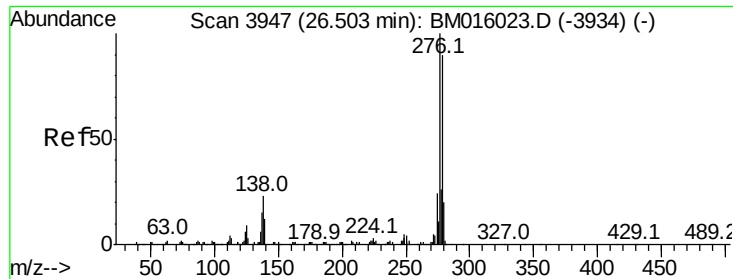
Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 34668     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 23.1  | 17.6 26.4 |
| 125         | 8.9   | 7.4 11.2  |





#90

Dibenzo(a,h)anthracene

Concen: 3.490 ng

RT: 26.36 min Scan# 3922

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

Instrument :

BNA\_M

ClientSampleId :

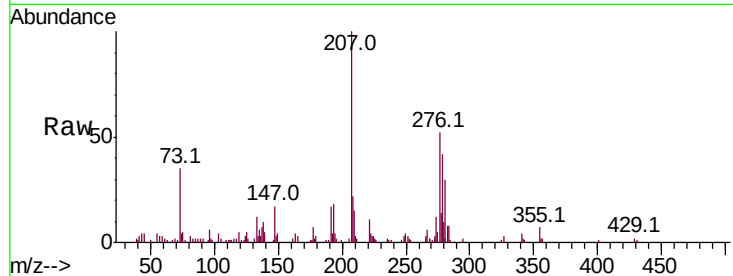
Tot Ion:278 Resp: 34963

Ion Ratio Lower Upper

278 100

139 11.6 13.4 20.0#

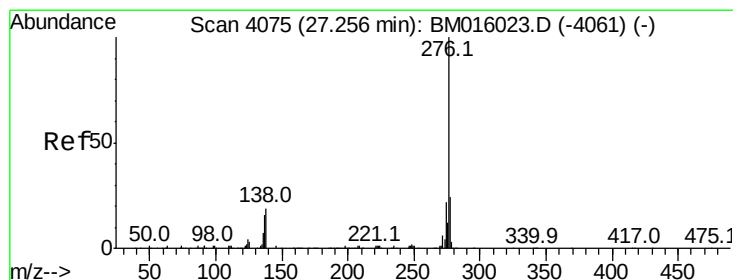
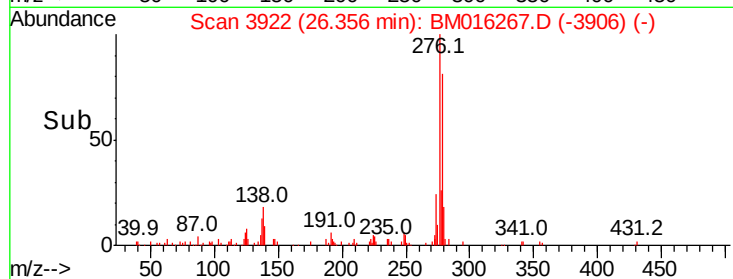
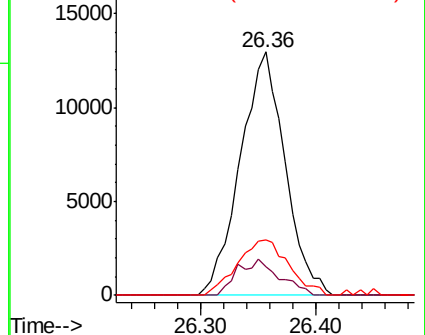
279 22.7 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.604 ng

RT: 27.09 min Scan# 4047

Delta R.T. -0.01 min

Lab File: BM016267.D

Acq: 09 Aug 2018 03:27

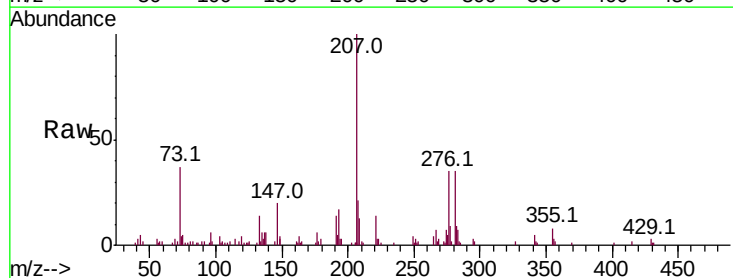
Tgt Ion:276 Resp: 34145

Ion Ratio Lower Upper

276 100

277 24.9 18.5 27.7

138 17.7 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

