

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071018\  
 Data File : BM015870.D  
 Acq On : 10 Jul 2018 16:26  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 11 03:57:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.30  | 152  | 97336    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 11.12 | 136  | 470152   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.92 | 164  | 282612   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 17.64 | 188  | 632250   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.76 | 240  | 640228   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 24.15 | 264  | 503130   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.80  | 112  | 444104   | 78.25 | ng    | -0.02    |
| 7) Phenol-d6                | 7.45  | 99   | 609980   | 78.50 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.49  | 82   | 761792   | 79.06 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 299788   | 81.18 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.55 | 172  | 1756926  | 77.18 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.21 | 244  | 2998222  | 86.86 | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.56  | 88   | 88024    | 37.500 | ng    | # 100  |
| 3) Pyridine                    | 4.00  | 79   | 233645   | 37.720 | ng    | # 77   |
| 4) n-Nitrosodimethylamine      | 3.92  | 42   | 197149   | 40.876 | ng    | # 41   |
| 6) Aniline                     | 7.62  | 93   | 375695   | 39.882 | ng    | 92     |
| 8) 2-Chlorophenol              | 7.86  | 128  | 271911   | 39.918 | ng    | 97     |
| 9) Benzaldehyde                | 7.43  | 77   | 189975   | 38.792 | ng    | 92     |
| 10) Phenol                     | 7.48  | 94   | 306826   | 39.299 | ng    | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.71  | 93   | 247308   | 38.939 | ng    | 87     |
| 12) 1,3-Dichlorobenzene        | 8.18  | 146  | 296927   | 39.315 | ng    | # 92   |
| 13) 1,4-Dichlorobenzene        | 8.33  | 146  | 303102   | 38.810 | ng    | 95     |
| 14) 1,2-Dichlorobenzene        | 8.65  | 146  | 297186   | 39.346 | ng    | # 94   |
| 15) Benzyl Alcohol             | 8.55  | 79   | 272503   | 40.397 | ng    | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.83  | 45   | 326715m  | 47.103 | ng    |        |
| 17) 2-Methylphenol             | 8.75  | 107  | 223883   | 41.391 | ng    | # 84   |
| 18) Hexachloroethane           | 9.38  | 117  | 126350   | 40.914 | ng    | 99     |
| 19) n-Nitroso-di-n-propylamine | 9.12  | 70   | 258978   | 41.472 | ng    | # 75   |
| 20) 3+4-Methylphenols          | 9.07  | 107  | 313481   | 41.723 | ng    | 88     |
| 22) Acetophenone               | 9.14  | 105  | 471406   | 38.490 | ng    | # 86   |
| 24) Nitrobenzene               | 9.53  | 77   | 364434   | 38.853 | ng    | 98     |
| 25) Isophorone                 | 10.05 | 82   | 581535   | 39.540 | ng    | # 93   |
| 26) 2-Nitrophenol              | 10.24 | 139  | 154444   | 38.238 | ng    | # 62   |
| 27) 2,4-Dimethylphenol         | 10.29 | 122  | 235375   | 38.360 | ng    | # 85   |
| 28) bis(2-Chloroethoxy)methane | 10.52 | 93   | 367575   | 38.361 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 10.77 | 162  | 271418   | 39.939 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.98 | 180  | 300701   | 38.096 | ng    | 95     |
| 31) Naphthalene                | 11.17 | 128  | 935340   | 38.372 | ng    | 99     |
| 32) Benzoic acid               | 10.47 | 122  | 174522   | 32.125 | ng    | 85     |
| 33) 4-Chloroaniline            | 11.29 | 127  | 394301   | 39.676 | ng    | # 88   |
| 34) Hexachlorobutadiene        | 11.43 | 225  | 199748   | 37.919 | ng    | 98     |
| 35) Caprolactam                | 12.11 | 113  | 88166    | 39.120 | ng    | # 85   |
| 36) 4-Chloro-3-methylphenol    | 12.39 | 107  | 309139   | 39.646 | ng    | 86     |
| 37) 2-Methylnaphthalene        | 12.76 | 142  | 670769   | 38.684 | ng    | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216  | 332581   | 36.666 | ng    | # 100  |
| 40) Hexachlorocyclopentadiene  | 13.09 | 237  | 154145   | 41.556 | ng    | 97     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071018\  
 Data File : BM015870.D  
 Acq On : 10 Jul 2018 16:26  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

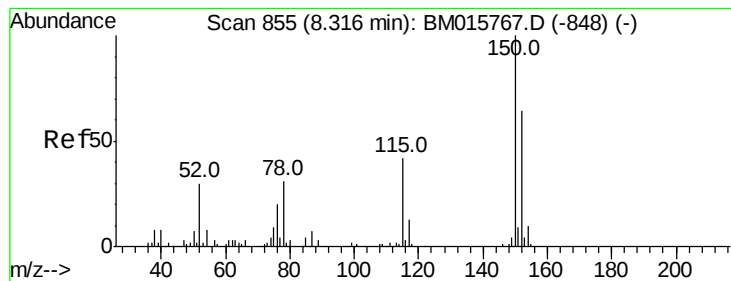
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 11 03:57:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.36 | 196  | 225967   | 39.411 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.44 | 196  | 235116   | 37.960 | nq    | # 84     |
| 45) 1,1'-Biphenyl              | 13.76 | 154  | 936893   | 38.343 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.81 | 162  | 701830   | 38.416 | nq    | # 91     |
| 47) 2-Nitroaniline             | 14.02 | 65   | 251183   | 39.426 | nq    | # 77     |
| 48) Acenaphthylene             | 14.65 | 152  | 1174568  | 39.522 | nq    | 100      |
| 49) Dimethylphthalate          | 14.37 | 163  | 970755   | 38.948 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.51 | 165  | 193755   | 39.870 | nq    | # 71     |
| 51) Acenaphthene               | 14.99 | 154  | 720568   | 38.964 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.84 | 138  | 204392   | 38.425 | nq    | # 74     |
| 53) 2,4-Dinitrophenol          | 15.06 | 184  | 70913    | 33.607 | nq    | # 83     |
| 54) Dibenzofuran               | 15.32 | 168  | 1117238  | 39.206 | nq    | # 86     |
| 55) 4-Nitrophenol              | 15.13 | 139  | 140266   | 35.730 | nq    | # 76     |
| 56) 2,4-Dinitrotoluene         | 15.29 | 165  | 279600   | 39.851 | nq    | 98       |
| 57) Fluorene                   | 15.96 | 166  | 935523   | 39.811 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.54 | 232  | 206019   | 39.418 | nq    | # 100    |
| 59) Diethylphthalate           | 15.72 | 149  | 1073111  | 40.177 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.94 | 204  | 472517   | 39.077 | nq    | # 86     |
| 61) 4-Nitroaniline             | 16.00 | 138  | 199868   | 36.220 | nq    | # 33     |
| 62) Azobenzene                 | 16.23 | 77   | 1060046  | 42.339 | nq    | 79       |
| 64) 4,6-Dinitro-2-methylphenol | 16.05 | 198  | 142377   | 37.043 | nq    | # 83     |
| 65) n-Nitrosodiphenylamine     | 16.16 | 169  | 849011   | 39.190 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.83 | 248  | 270940   | 38.381 | nq    | # 81     |
| 67) Hexachlorobenzene          | 16.95 | 284  | 301934   | 38.276 | nq    | # 73     |
| 68) Atrazine                   | 17.09 | 200  | 271954   | 38.164 | nq    | 98       |
| 69) Pentachlorophenol          | 17.30 | 266  | 181334   | 37.150 | nq    | 99       |
| 70) Phenanthrene               | 17.69 | 178  | 1410724  | 39.001 | nq    | 99       |
| 71) Anthracene                 | 17.78 | 178  | 1409218  | 39.671 | nq    | 98       |
| 72) Carbazole                  | 18.04 | 167  | 1305659  | 39.444 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.56 | 149  | 1847980  | 41.419 | nq    | # 98     |
| 74) Fluoranthene               | 19.67 | 202  | 1617538  | 38.899 | nq    | 99       |
| 76) Benzidine                  | 19.84 | 184  | 672539   | 35.853 | nq    | 98       |
| 77) Pyrene                     | 20.03 | 202  | 1698080  | 42.579 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.87 | 149  | 856401   | 44.424 | nq    | # 82     |
| 80) Benzo(a)anthracene         | 21.74 | 228  | 1577691  | 38.867 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 545246   | 37.385 | nq    | 99       |
| 82) Chrysene                   | 21.79 | 228  | 1436334  | 37.985 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 1217920  | 42.758 | nq    | 96       |
| 84) Di-n-octyl phthalate       | 22.54 | 149  | 1951898  | 42.025 | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 26.63 | 276  | 1202348  | 34.224 | nq    | # 92     |
| 87) Benzo(b)fluoranthene       | 23.42 | 252  | 1330597  | 39.611 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 23.47 | 252  | 1321752  | 40.506 | nq    | 98       |
| 89) Benzo(a)pyrene             | 24.05 | 252  | 1155002  | 39.061 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 26.63 | 278  | 1045656  | 39.304 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 27.39 | 276  | 926778   | 39.647 | nq    | # 94     |
| -----                          |       |      |          |        |       |          |

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



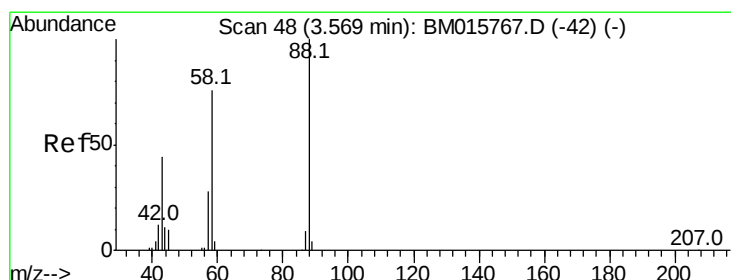
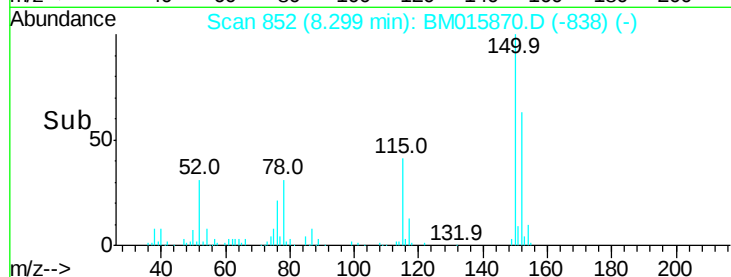
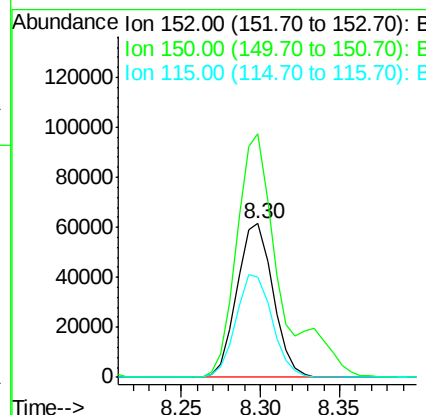
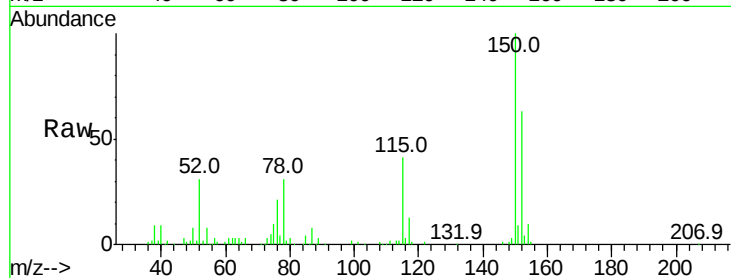


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 852  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Instrument :  
BNA\_M  
ClientSampleId :

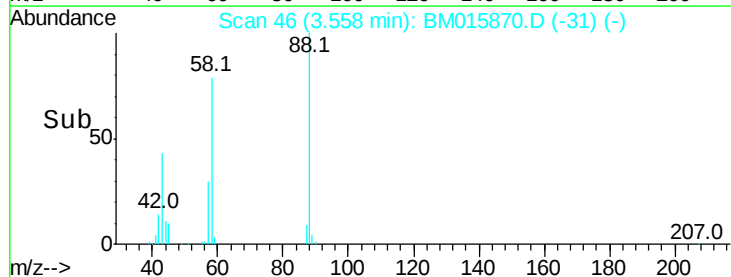
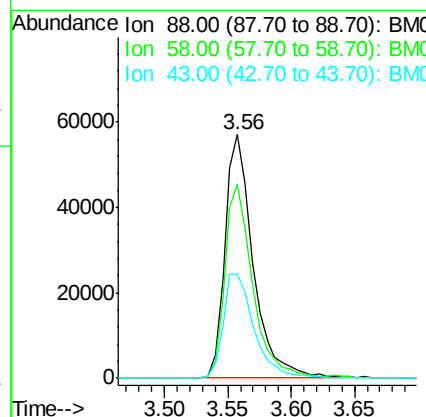
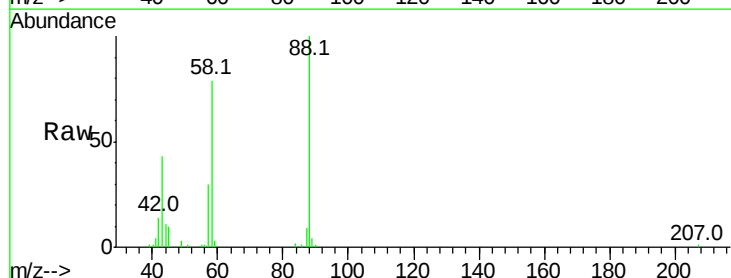
Tot Ion:152 Resp: 97336  
Ion Ratio Lower Upper  
152 100  
150 158.7 119.5 179.3  
115 65.3 43.0 64.4#

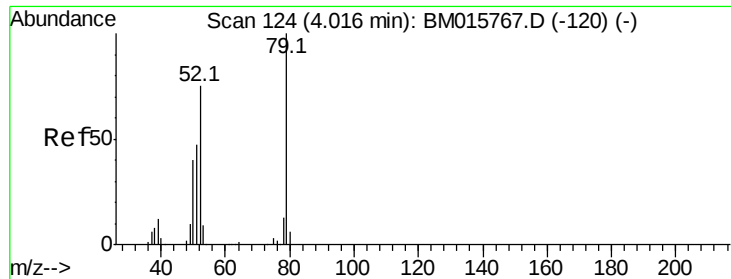


#2

1,4-Dioxane  
Concen: 37.500 ng  
RT: 3.56 min Scan# 46  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion: 88 Resp: 88024  
Ion Ratio Lower Upper  
88 100  
58 79.5 0.0 0.0#  
43 46.9 0.0 0.0#





#3

Pvridine

Concen: 37.720 ng

RT: 4.00 min Scan# 121

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

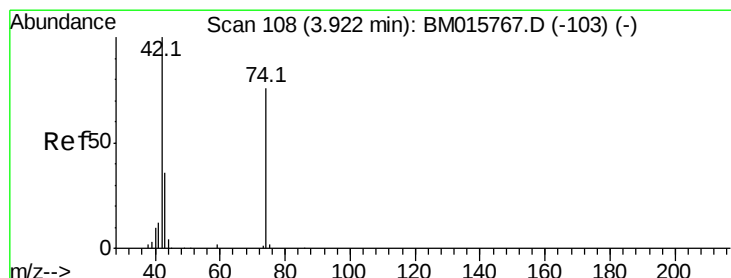
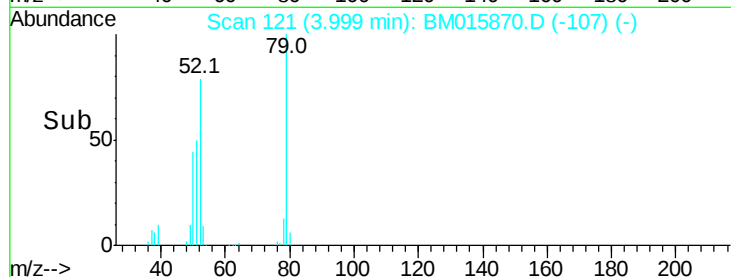
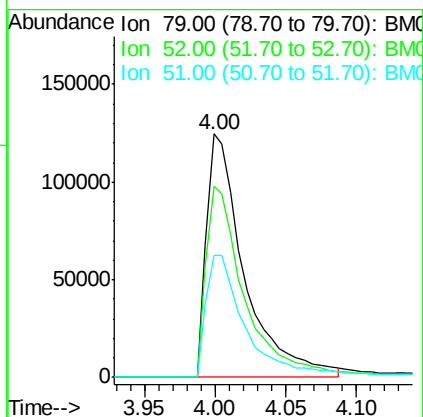
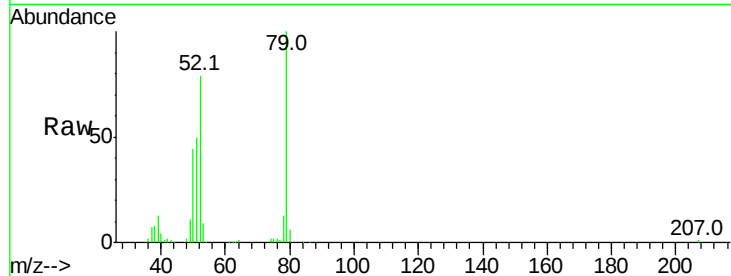
Tot Ion: 79 Resp: 233645

Ion Ratio Lower Upper

79 100

52 78.7 51.1 76.7#

51 50.2 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 40.876 ng

RT: 3.92 min Scan# 107

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

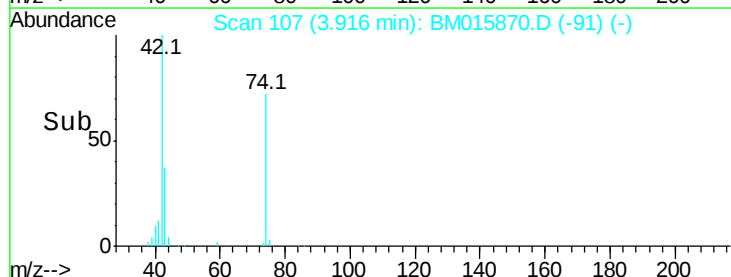
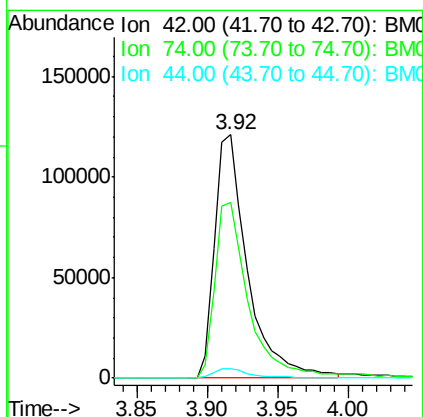
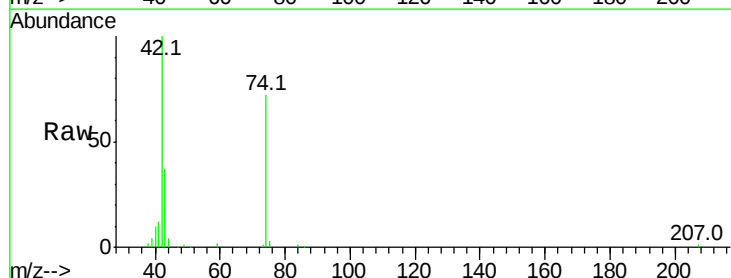
Tgt Ion: 42 Resp: 197149

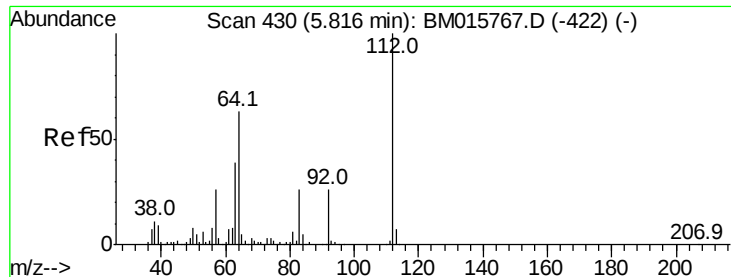
Ion Ratio Lower Upper

42 100

74 72.0 119.3 178.9#

44 4.1 5.4 8.2#





#5

2-Fluorophenol

Concen: 40.876 ng

RT: 5.80 min Scan# 427

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

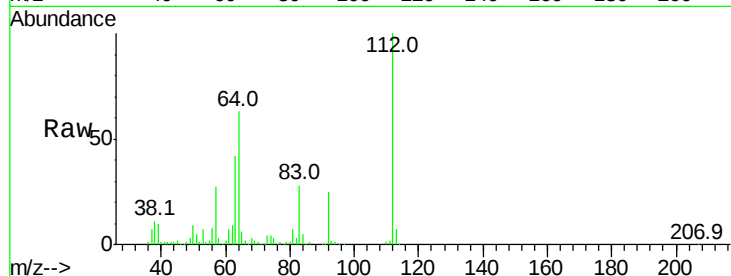
Tot Ion:112 Resp: 444104

Ion Ratio Lower Upper

112 100

64 63.2 38.6 57.8#

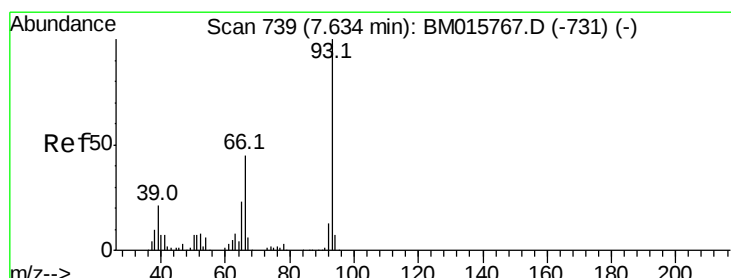
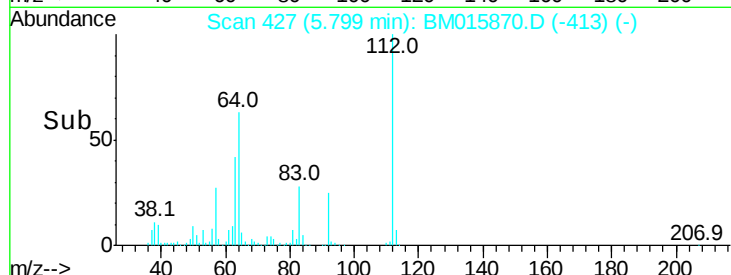
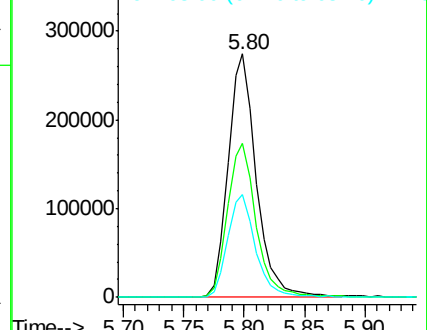
63 42.1 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 39.882 ng

RT: 7.62 min Scan# 736

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

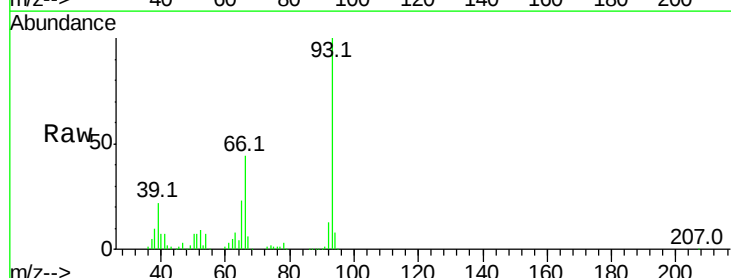
Tgt Ion: 93 Resp: 375695

Ion Ratio Lower Upper

93 100

66 44.2 30.8 46.2

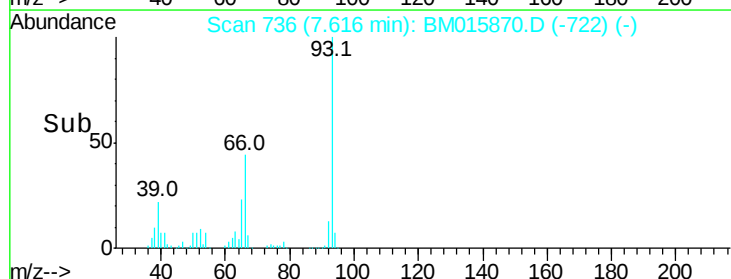
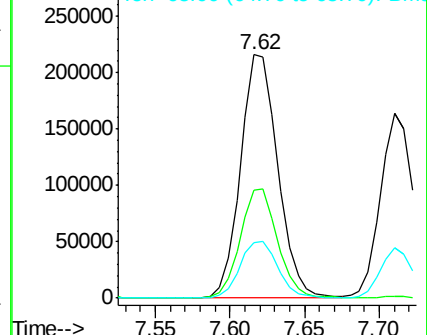
65 22.9 16.0 24.0

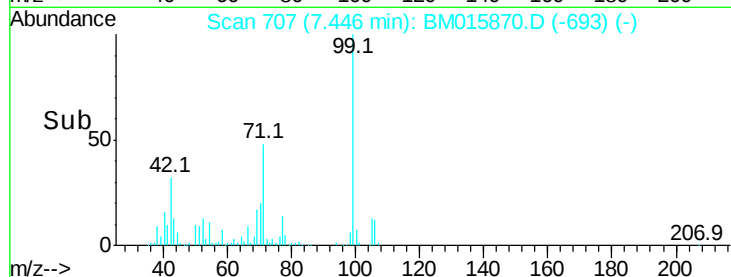
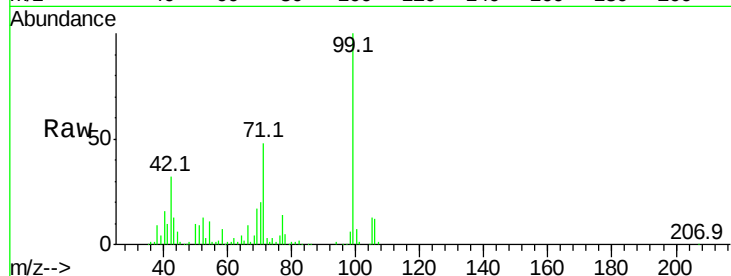


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 39.882 ng

RT: 7.45 min Scan# 707

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

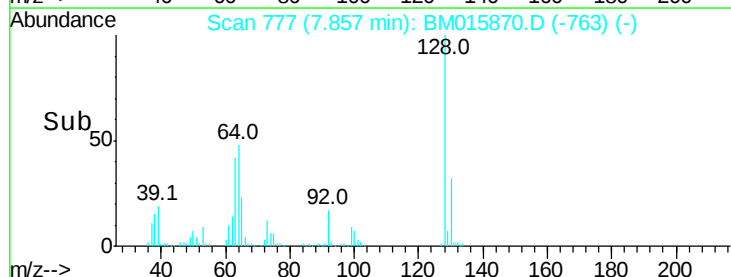
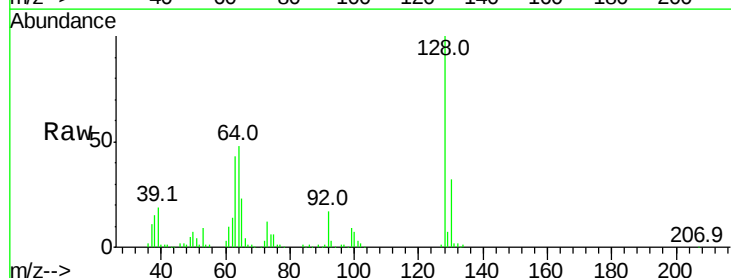
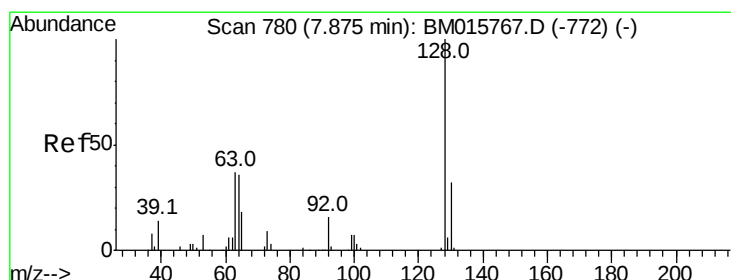
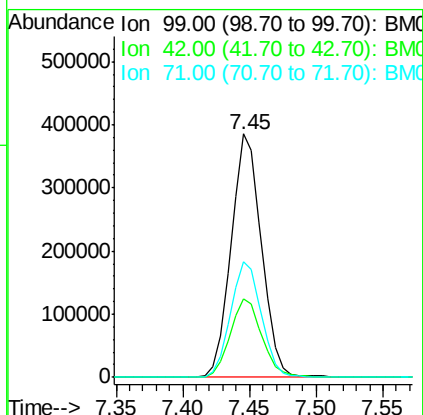
Tot Ion: 99 Resp: 609980

Ion Ratio Lower Upper

99 100

42 32.1 11.0 16.4#

71 47.7 23.4 35.2#



#8

2-Chlorophenol

Concen: 39.918 ng

RT: 7.86 min Scan# 777

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

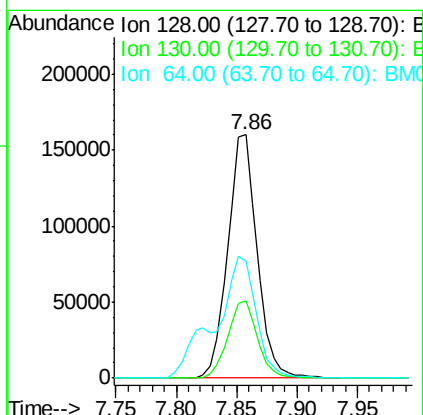
Tgt Ion: 128 Resp: 271911

Ion Ratio Lower Upper

128 100

130 31.7 12.0 52.0

64 48.3 24.9 64.9





#9

Benzaldehyde

Concen: 38.792 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

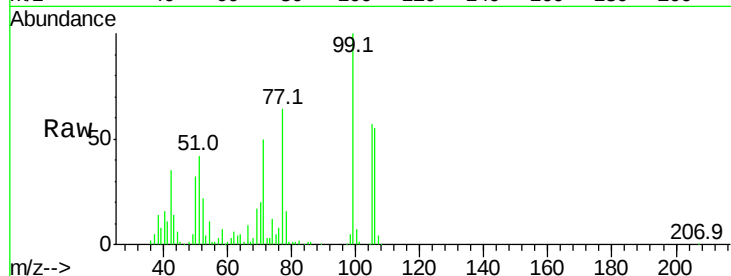
Tot Ion: 77 Resp: 189975

Ion Ratio Lower Upper

77 100

105 90.1 78.8 118.8

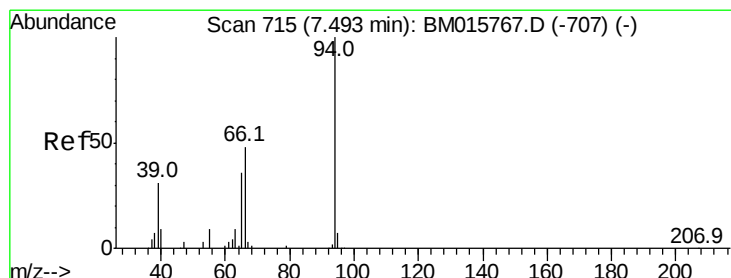
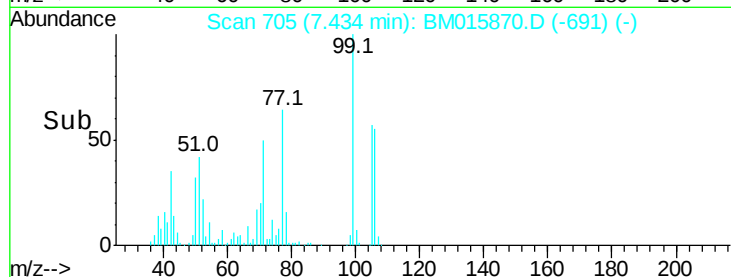
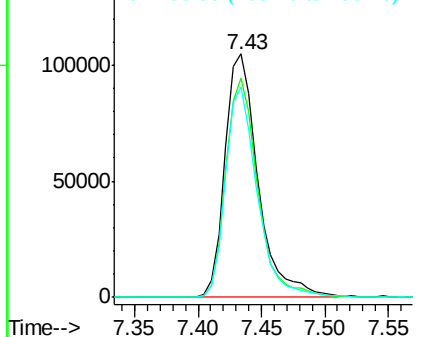
106 86.3 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM015870.D (-691) (-)

Ion 105.00 (104.70 to 105.70): BM015870.D (-691) (-)

Ion 106.00 (105.70 to 106.70): BM015870.D (-691) (-)



#10

Phenol

Concen: 39.299 ng

RT: 7.48 min Scan# 712

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

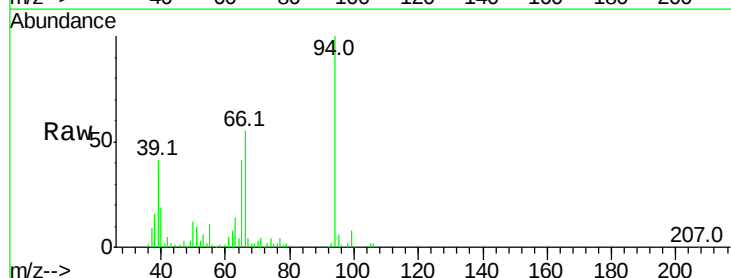
Tgt Ion: 94 Resp: 306826

Ion Ratio Lower Upper

94 100

65 40.6 18.8 58.8

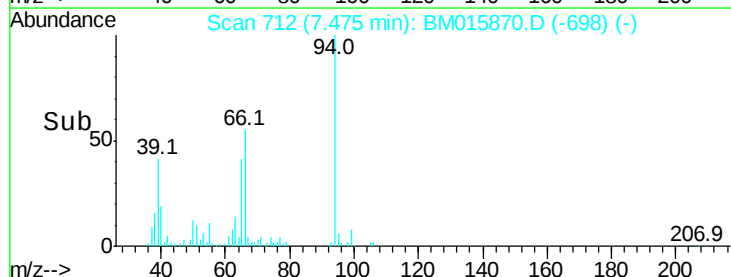
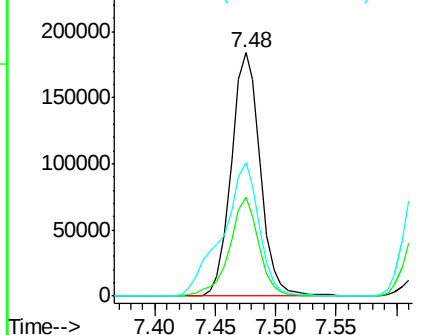
66 55.0 39.9 79.9

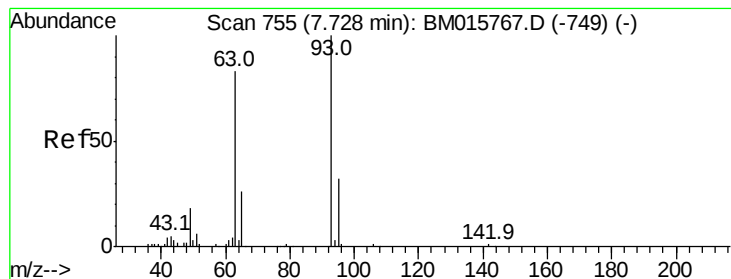


Abundance Ion 94.00 (93.70 to 94.70): BM015870.D (-698) (-)

Ion 65.00 (64.70 to 65.70): BM015870.D (-698) (-)

Ion 66.00 (65.70 to 66.70): BM015870.D (-698) (-)



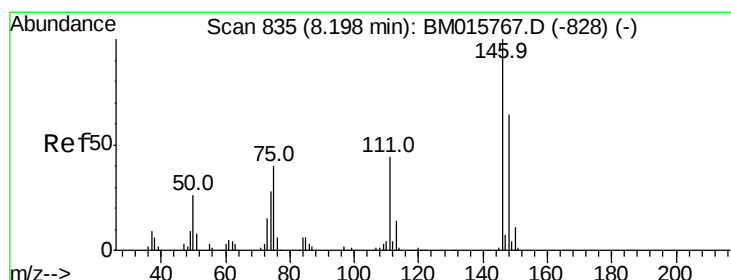
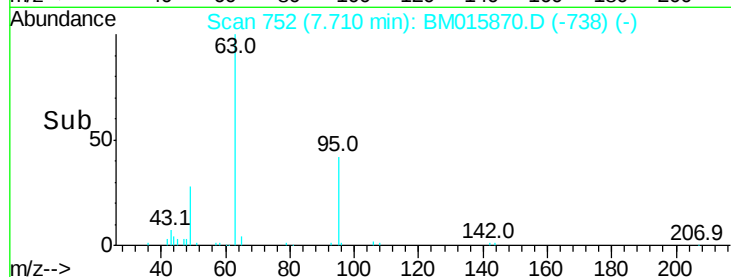
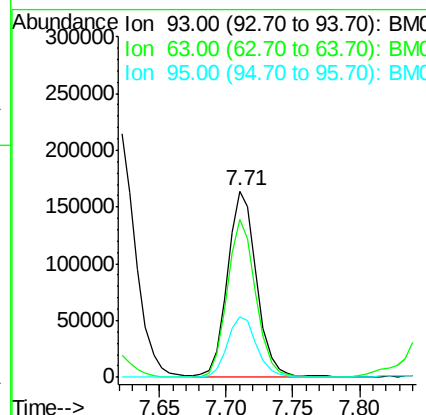
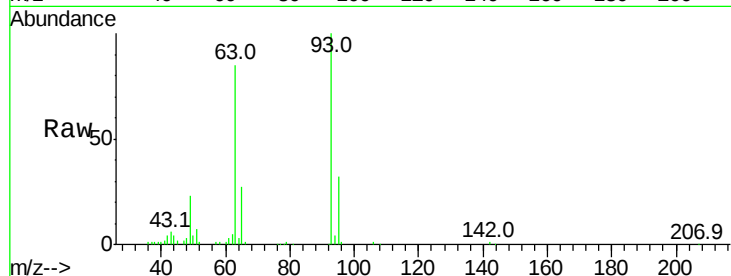


#11

bis(2-Chloroethyl)ether  
Concen: 38.939 ng  
RT: 7.71 min Scan# 752  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Instrument :  
BNA\_M  
ClientSampleId :

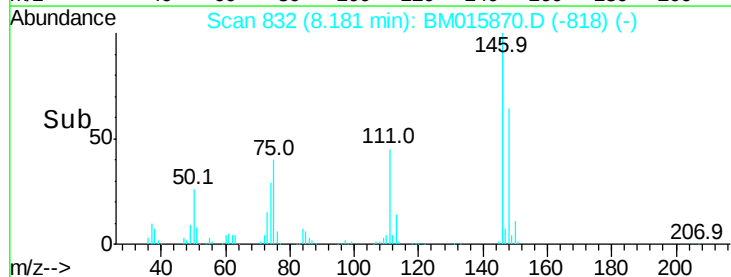
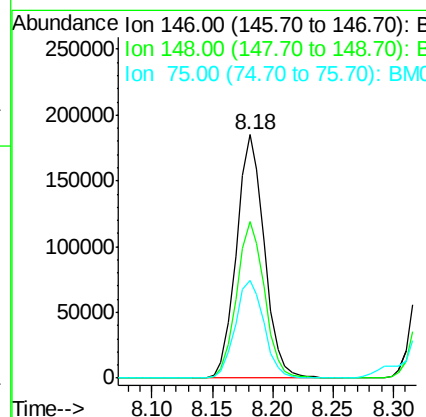
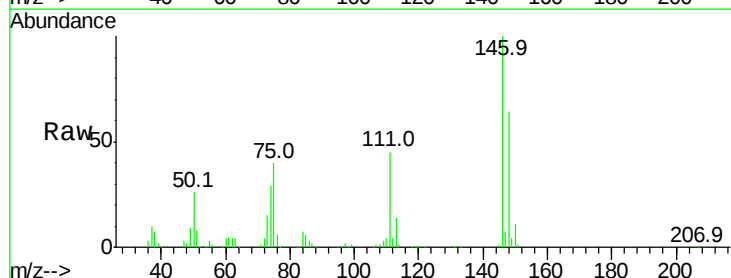
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 84.5  | 49.5  | 89.5  |
| 95      | 32.4  | 13.5  | 53.5  |

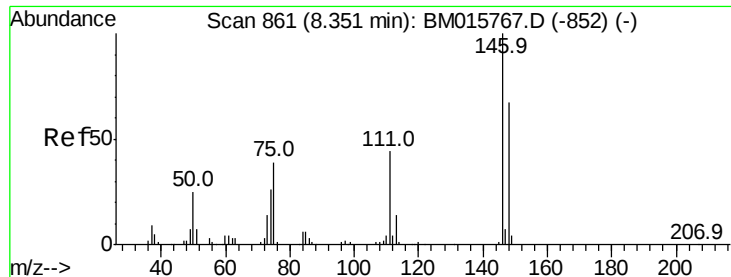


#12

1,3-Dichlorobenzene  
Concen: 39.315 ng  
RT: 8.18 min Scan# 832  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 50.9  | 76.3  |
| 75      | 40.3  | 21.4  | 32.2  |

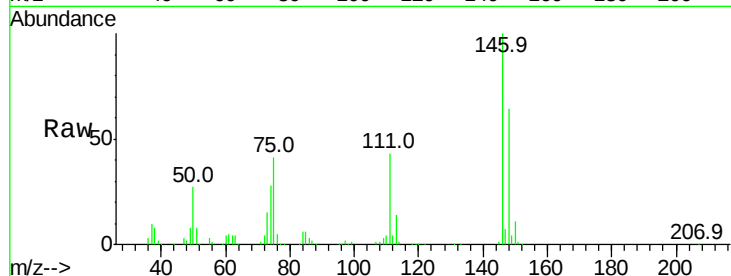




#13  
 1,4-Dichlorobenzene  
 Concen: 38.810 ng  
 RT: 8.33 min Scan# 858  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.9  | 77.9  |
| 111     | 43.4  | 29.2  | 43.8  |

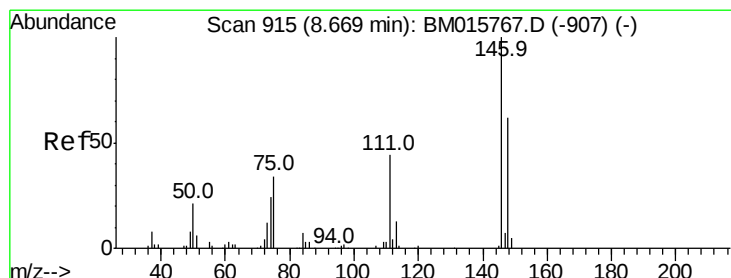
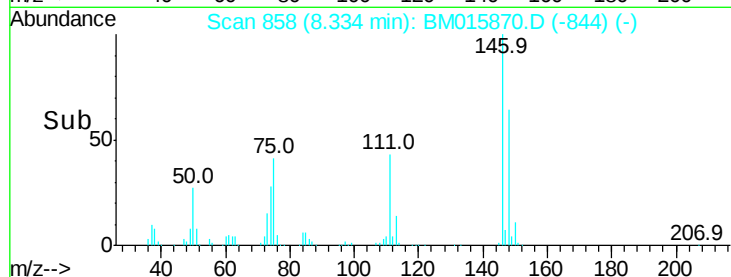
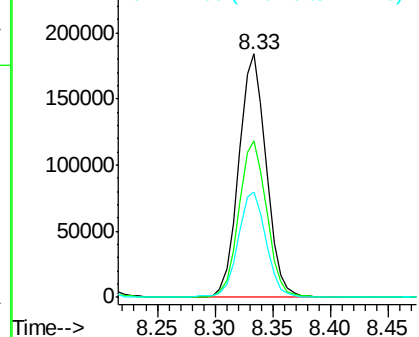


Abundance

Ion 146.00 (145.70 to 146.70): E

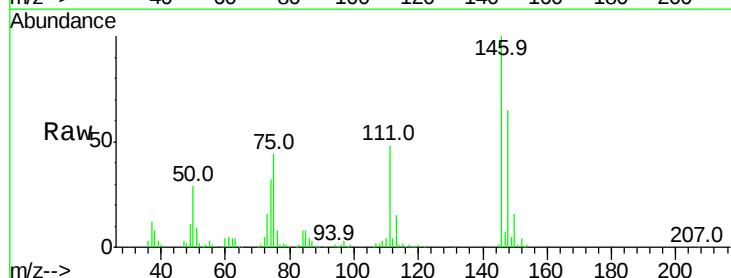
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 39.346 ng  
 RT: 8.65 min Scan# 912  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 52.3  | 78.5  |
| 111     | 48.0  | 30.6  | 45.8  |

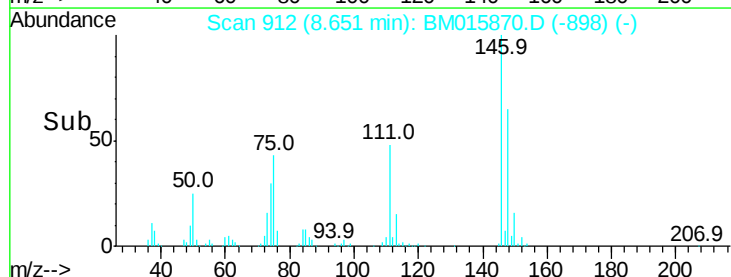
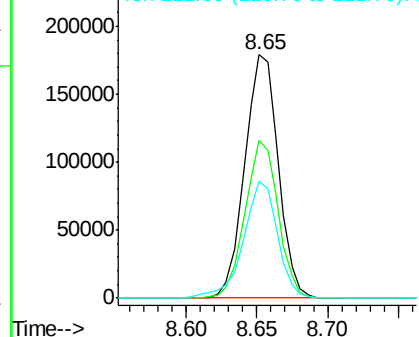


Abundance

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: 40.397 ng

RT: 8.55 min Scan# 894

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

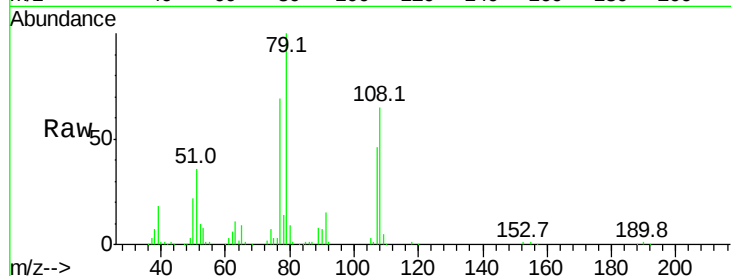
Tot Ion: 79 Resp: 272503

Ion Ratio Lower Upper

79 100

108 64.6 65.0 97.4#

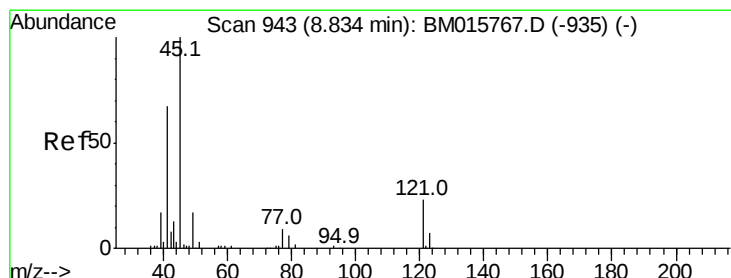
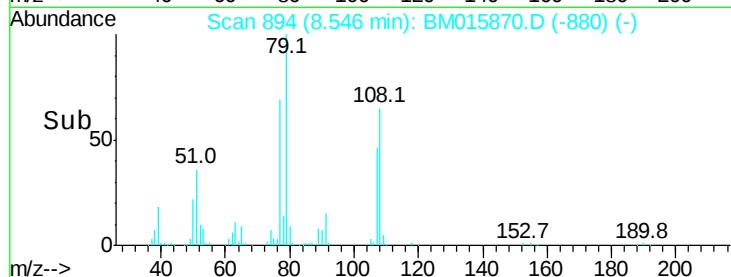
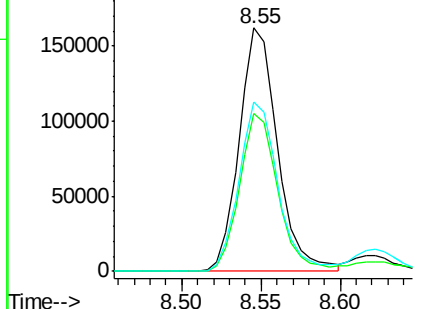
77 69.4 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM015870.D (-880) (-)

Ion 108.00 (107.70 to 108.70): BM015870.D (-880) (-)

Ion 77.00 (76.70 to 77.70): BM015870.D (-880) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 47.103 ng m

RT: 8.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

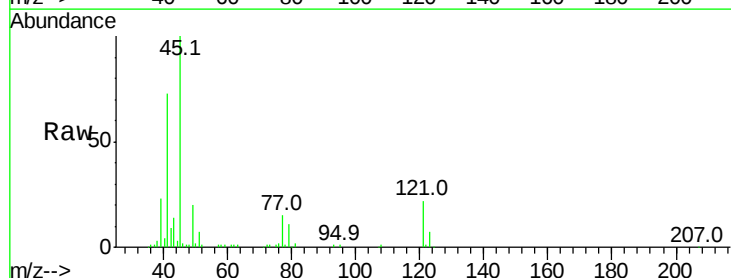
Tgt Ion: 45 Resp: 326715

Ion Ratio Lower Upper

45 100

77 15.4 0.0 35.2

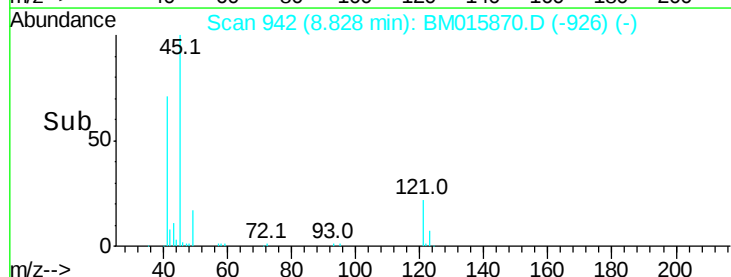
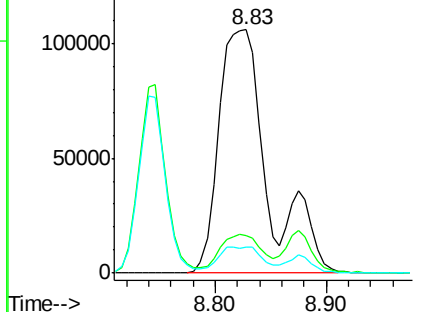
79 10.8 0.0 32.0

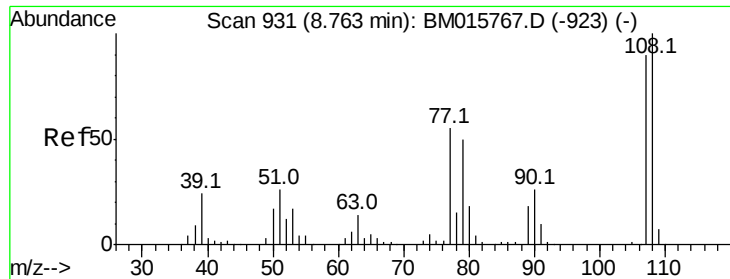


Abundance Ion 45.00 (44.70 to 45.70): BM015870.D (-926) (-)

Ion 77.00 (76.70 to 77.70): BM015870.D (-926) (-)

Ion 79.00 (78.70 to 79.70): BM015870.D (-926) (-)

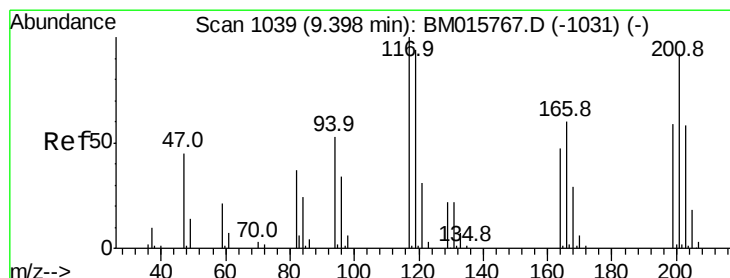
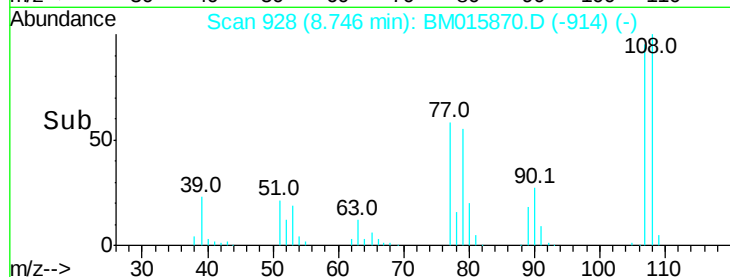
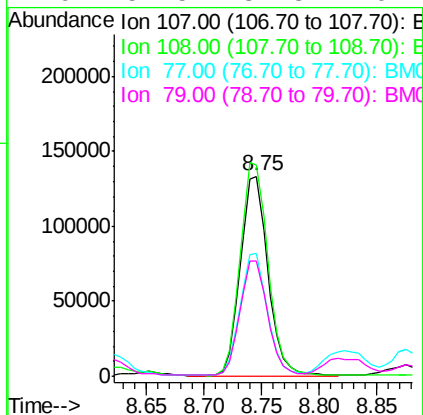
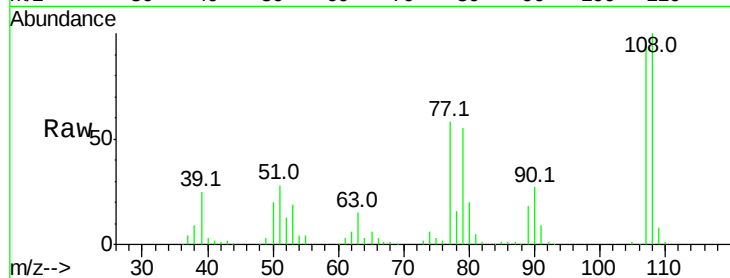




#17  
2-Methylphenol  
Concen: 41.391 ng  
RT: 8.75 min Scan# 928  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

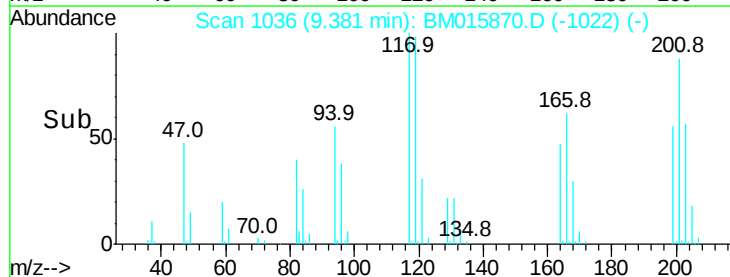
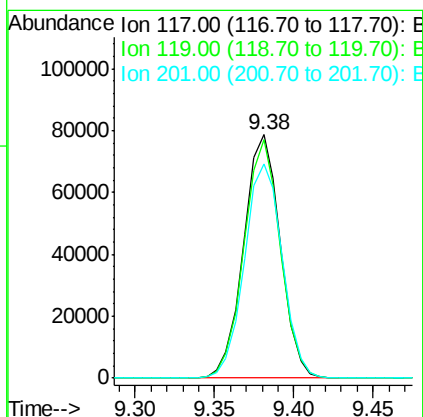
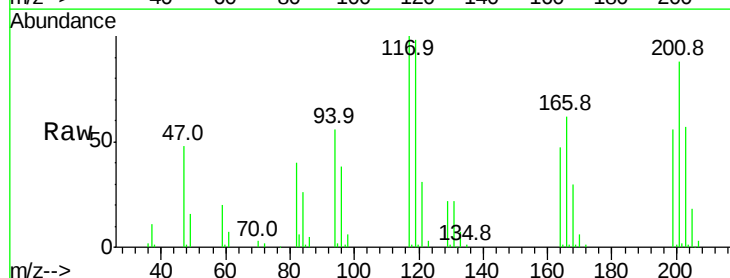
Instrument :  
BNA\_M  
ClientSampled :

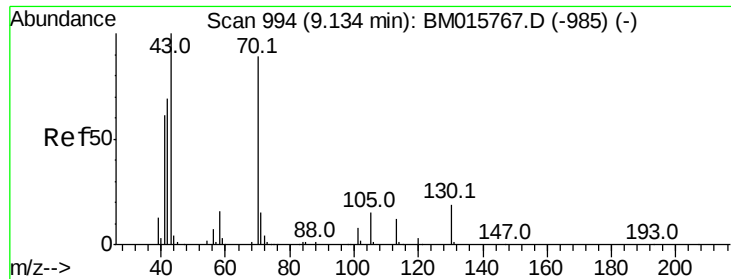
Tot Ion:107 Resp: 223883  
Ion Ratio Lower Upper  
107 100  
108 105.4 89.8 134.8  
77 61.4 32.6 48.8#  
79 57.5 32.8 49.2#



#18  
Hexachloroethane  
Concen: 40.914 ng  
RT: 9.38 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:117 Resp: 126350  
Ion Ratio Lower Upper  
117 100  
119 97.9 79.2 118.8  
201 88.2 69.8 104.6

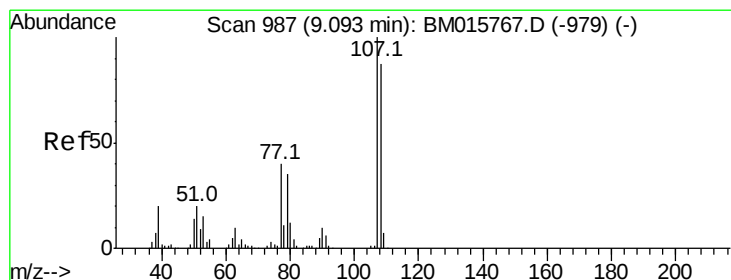
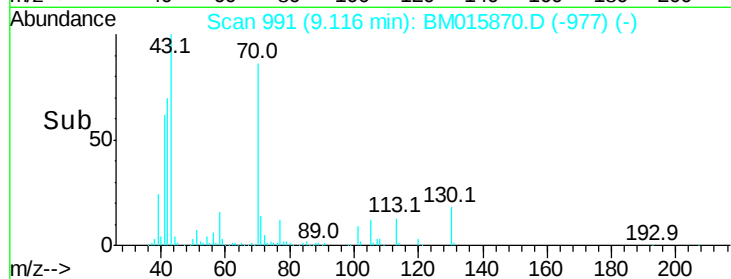
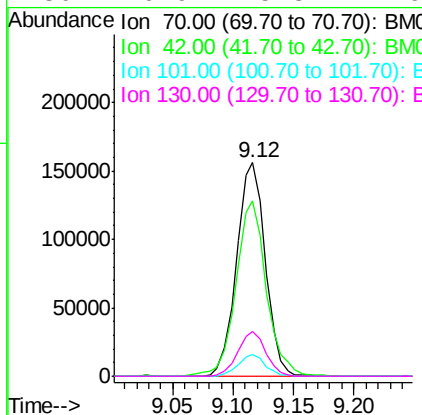
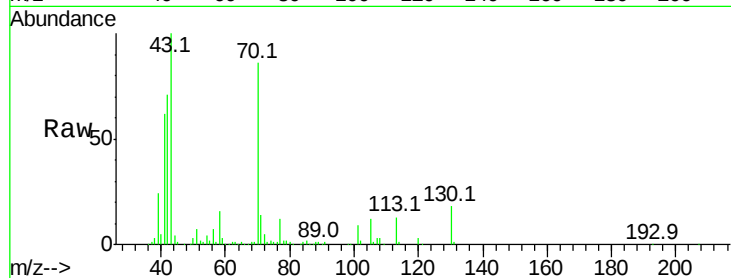




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.472 ng  
RT: 9.12 min Scan# 991  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

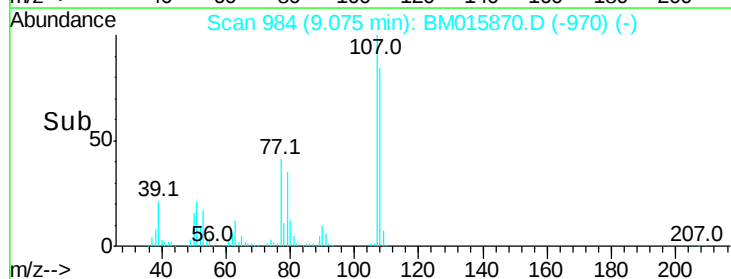
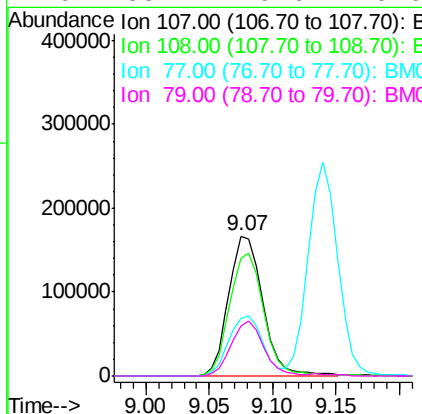
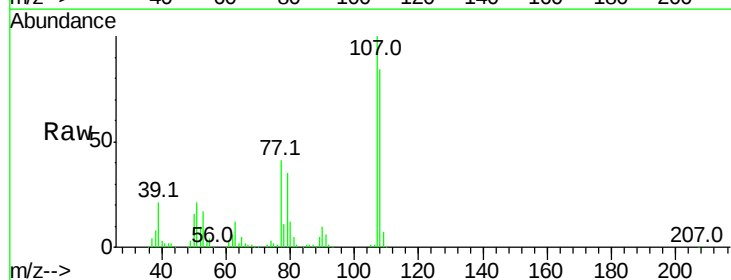
Instrument :  
BNA\_M  
ClientSampleId :

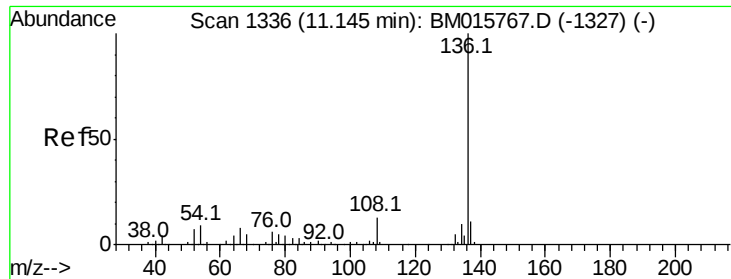
Tot Ion: 70 Resp: 258978  
Ion Ratio Lower Upper  
70 100  
42 82.2 44.5 66.7#  
101 10.0 7.4 11.2  
130 20.9 15.3 22.9



#20  
3+4-Methylphenols  
Concen: 41.723 ng  
RT: 9.07 min Scan# 984  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:107 Resp: 313481  
Ion Ratio Lower Upper  
107 100  
108 84.0 73.2 113.2  
77 41.5 10.7 50.7  
79 35.4 9.6 49.6

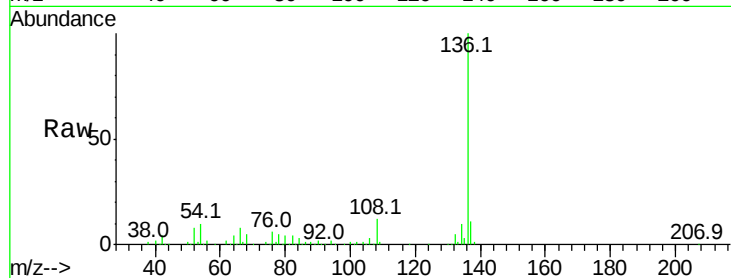




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.12 min Scan# 1332  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Instrument :  
BNA\_M  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 470152 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.6    | 8.7   | 13.1   |
| 54 9.5      | 4.6   | 6.8#   |
| 68 4.9      | 3.7   | 5.5    |



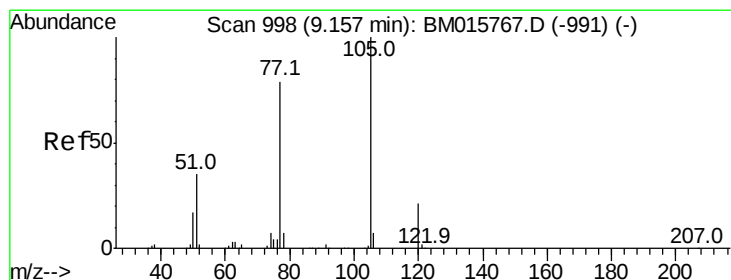
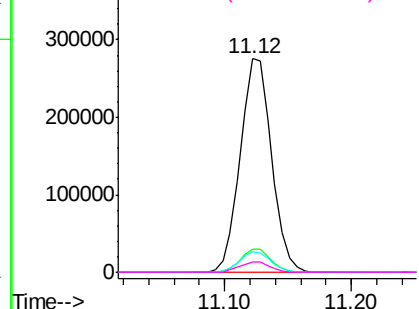
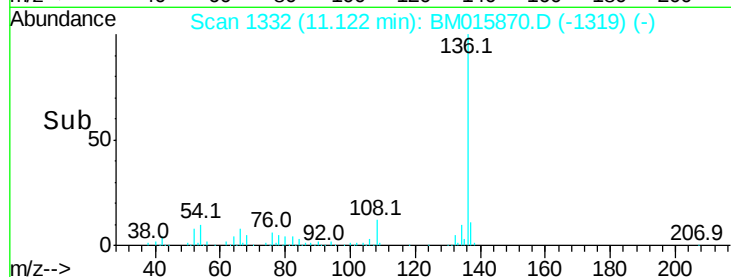
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

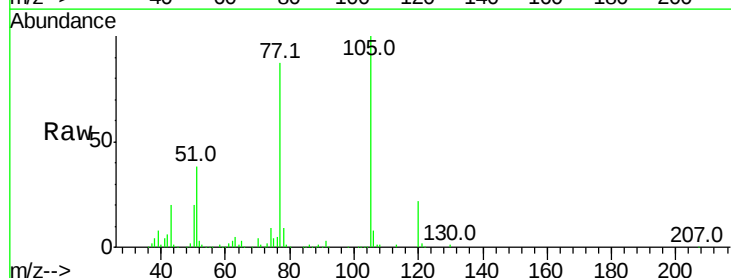
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22  
Acetophenone  
Concen: 38.490 ng  
RT: 9.14 min Scan# 995  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 471406 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.5     | 0.6   | 1.0#   |
| 51  | 38.0    | 21.6  | 32.4#  |
| 120 | 21.8    | 16.1  | 24.1   |



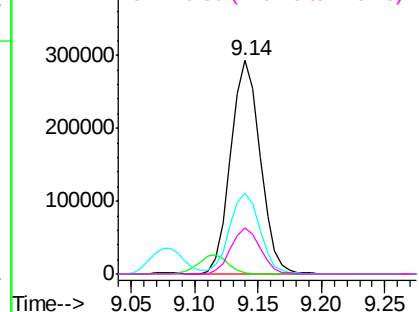
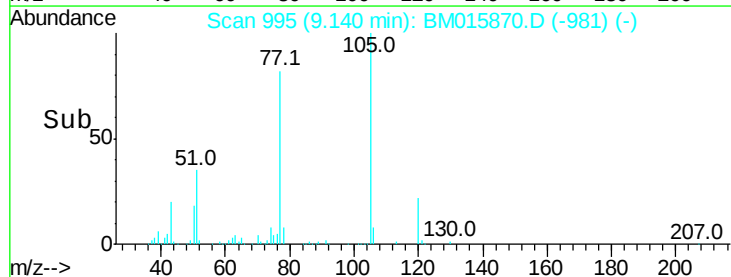
Abundance

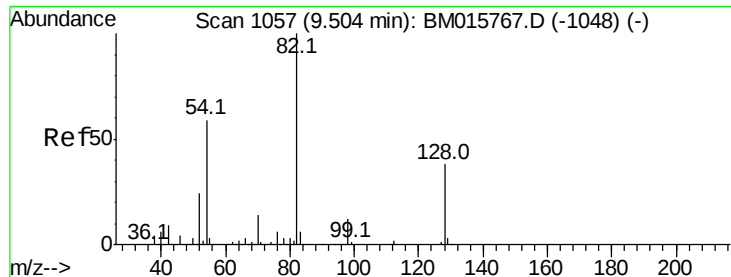
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

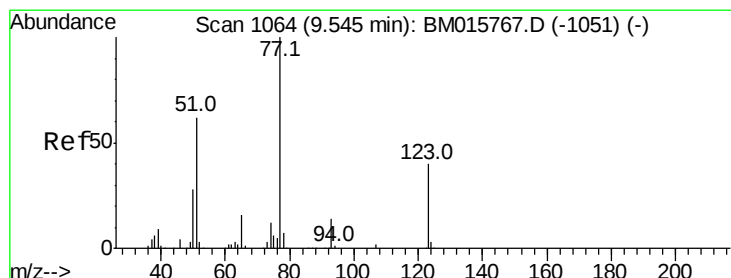
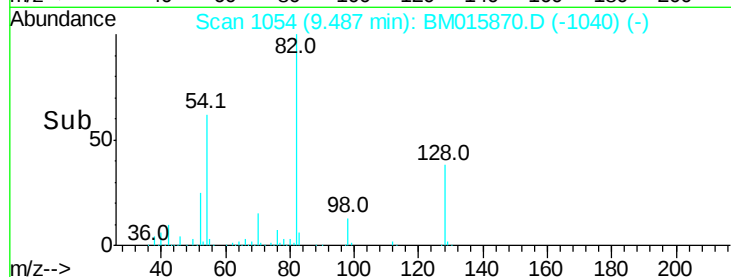
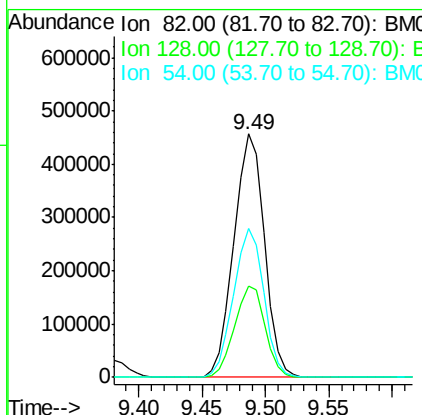
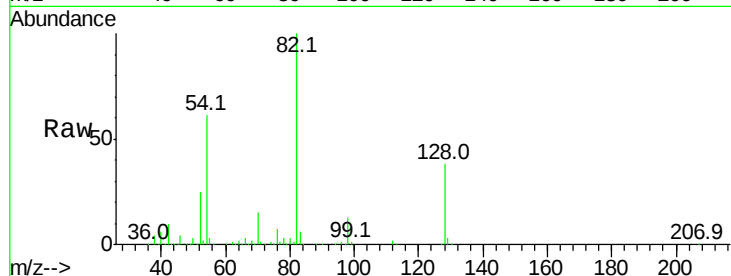




#23  
Nitrobenzene-d5  
Concen: 38.490 ng  
RT: 9.49 min Scan# 1054  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

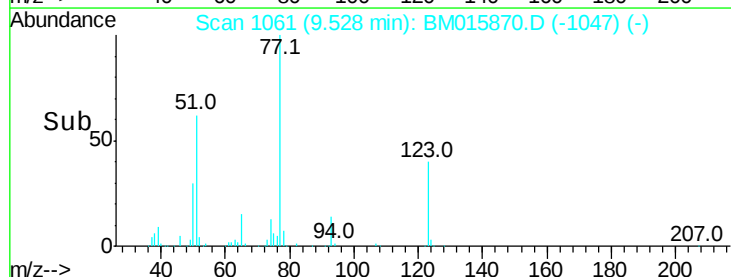
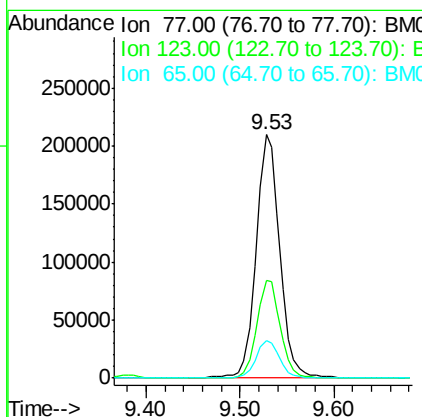
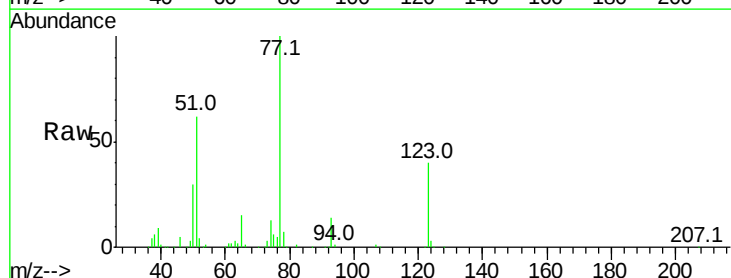
Instrument :  
BNA\_M  
ClientSampleId :

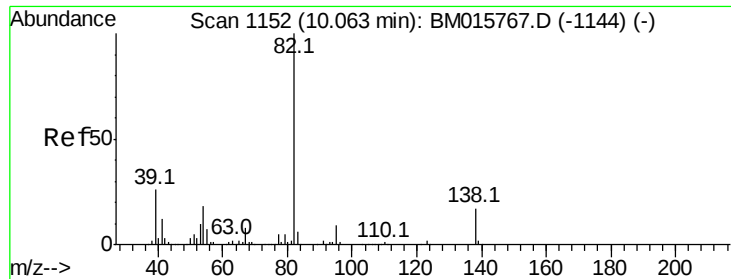
Tot Ion: 82 Resp: 761792  
Ion Ratio Lower Upper  
82 100  
128 37.7 32.8 49.2  
54 61.4 40.6 60.8#



#24  
Nitrobenzene  
Concen: 38.853 ng  
RT: 9.53 min Scan# 1061  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion: 77 Resp: 364434  
Ion Ratio Lower Upper  
77 100  
123 40.2 32.6 49.0  
65 15.5 10.9 16.3





#25

Isophorone

Concen: 39.540 ng

RT: 10.05 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampled :

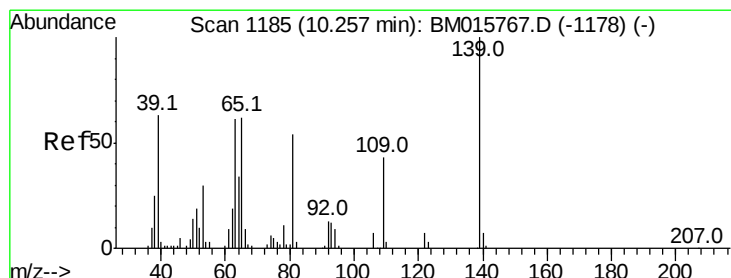
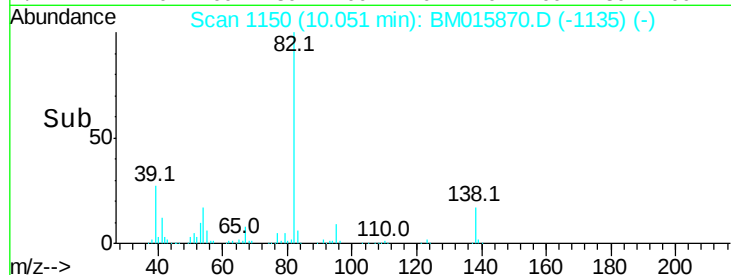
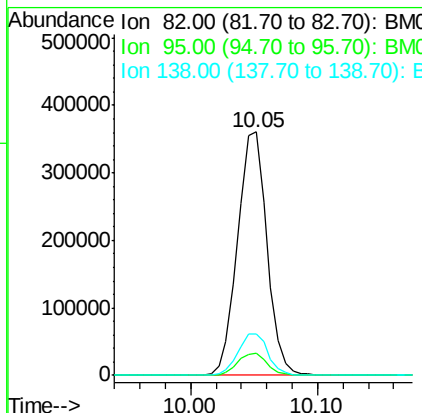
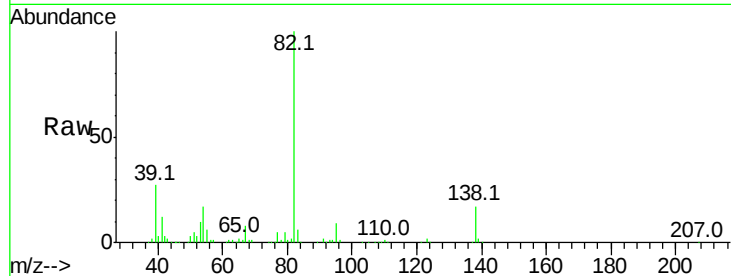
Tot Ion: 82 Resp: 581535

Ion Ratio Lower Upper

82 100

95 9.2 5.8 8.6#

138 17.2 16.3 24.5



#26

2-Nitrophenol

Concen: 38.238 ng

RT: 10.24 min Scan# 1182

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

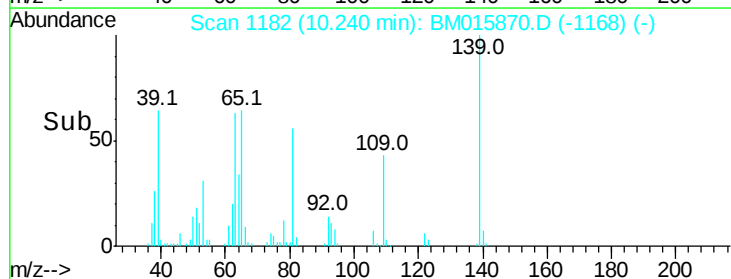
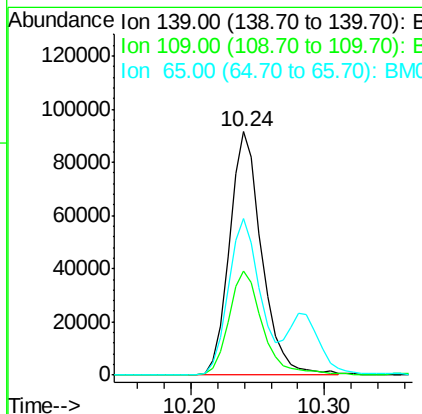
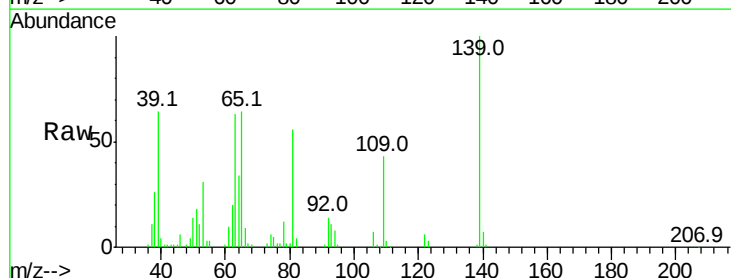
Tgt Ion: 139 Resp: 154444

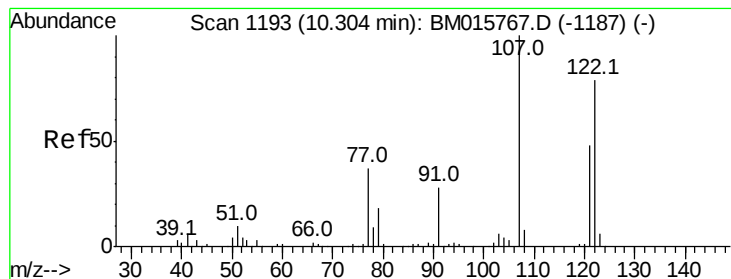
Ion Ratio Lower Upper

139 100

109 42.6 20.1 30.1#

65 64.3 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 38.360 ng

RT: 10.29 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampled :

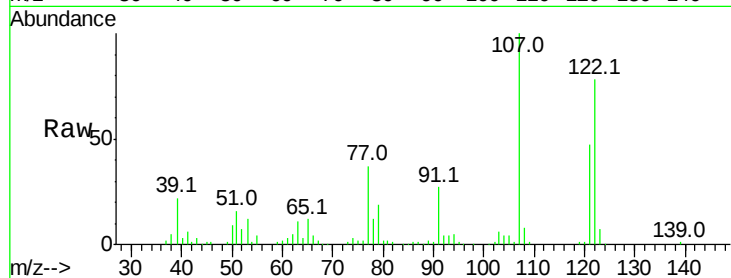
Tot Ion:122 Resp: 235375

Ion Ratio Lower Upper

122 100

107 128.3 84.7 127.1#

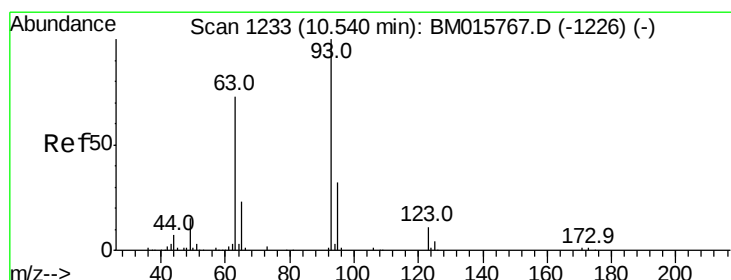
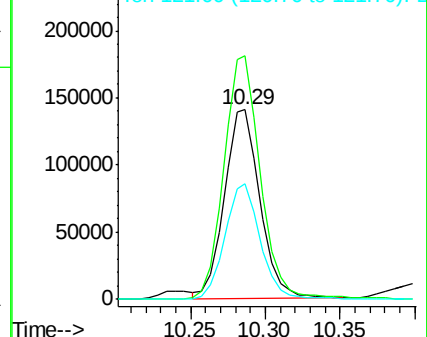
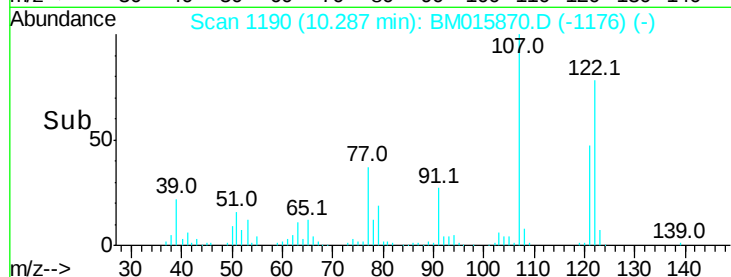
121 60.8 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.361 ng

RT: 10.52 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

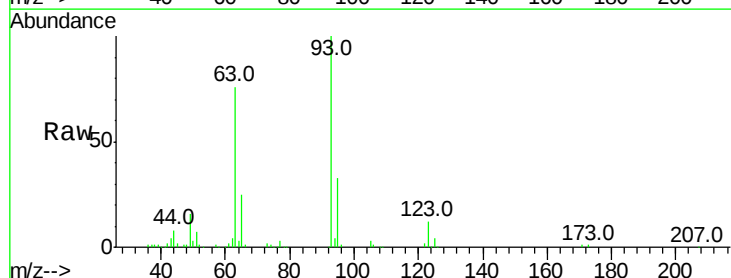
Tgt Ion: 93 Resp: 367575

Ion Ratio Lower Upper

93 100

95 33.3 25.5 38.3

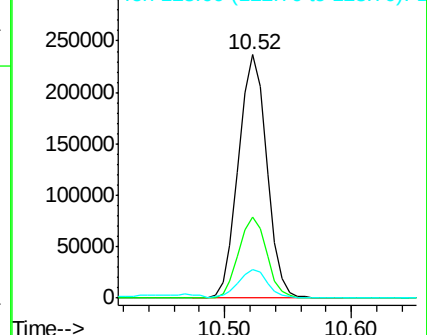
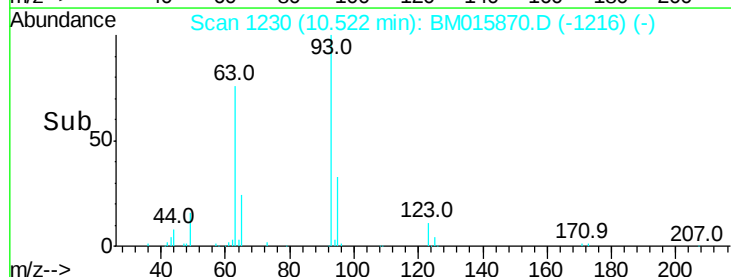
123 11.6 8.6 13.0

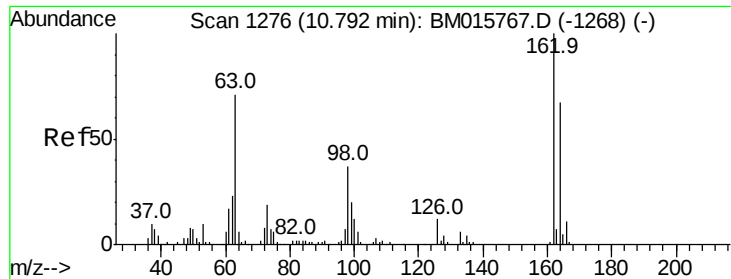


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 39.939 ng

RT: 10.77 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampled :

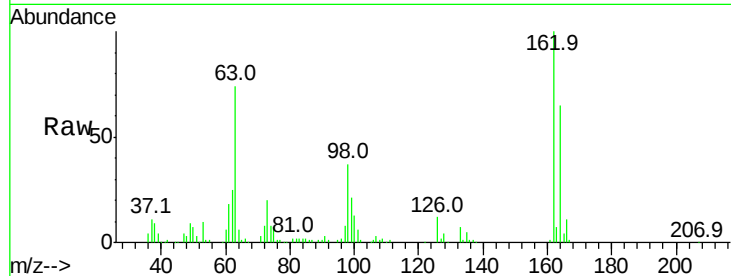
Tot Ion:162 Resp: 271418

Ion Ratio Lower Upper

162 100

164 65.0 42.8 82.8

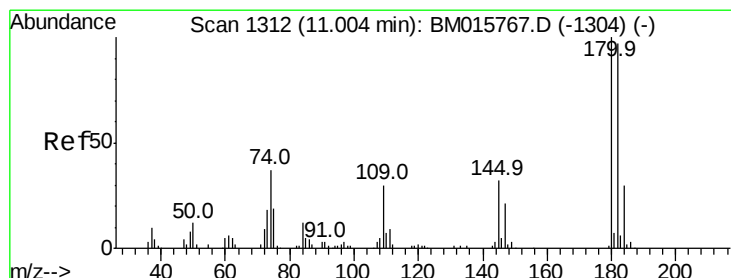
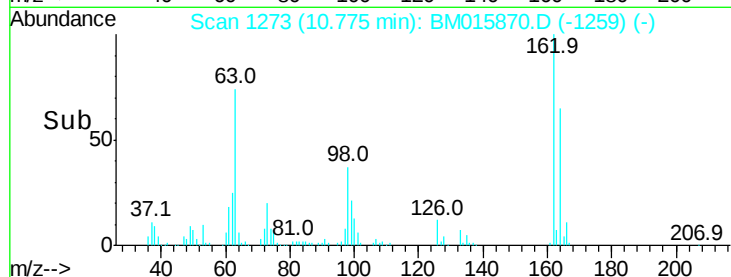
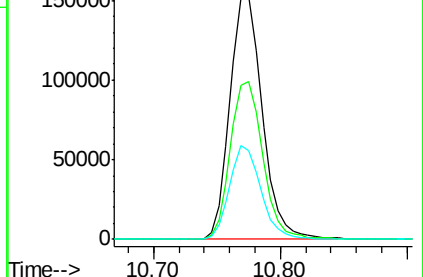
98 36.6 14.5 54.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 38.096 ng

RT: 10.98 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

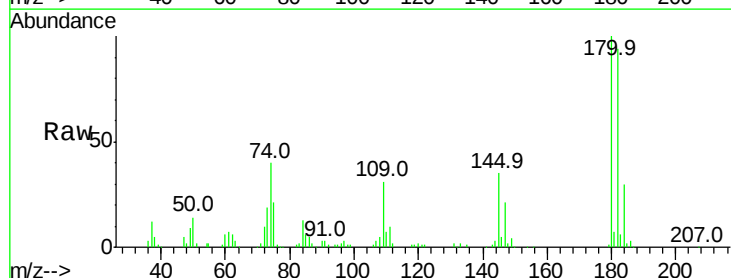
Tgt Ion:180 Resp: 300701

Ion Ratio Lower Upper

180 100

182 93.8 77.6 116.4

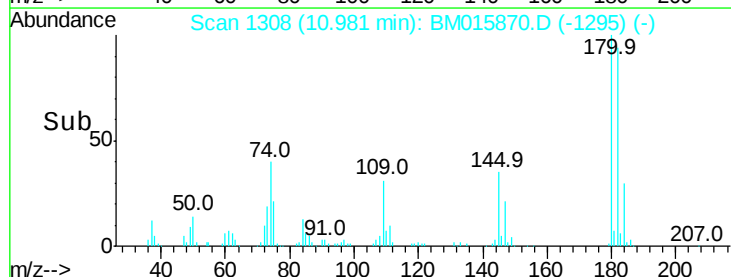
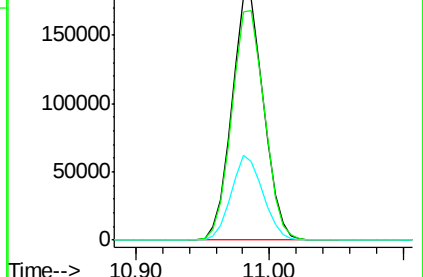
145 34.8 23.4 35.2

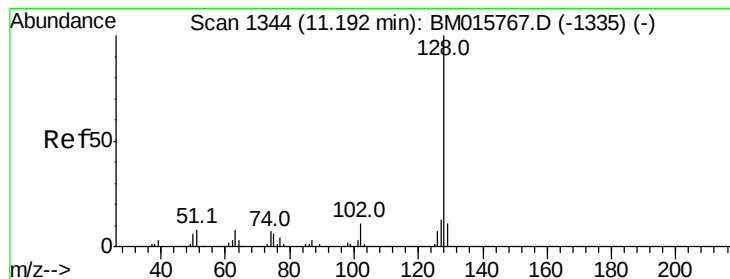


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.372 ng

RT: 11.17 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

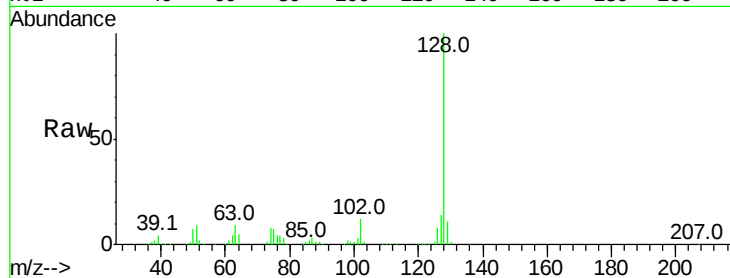
Tot Ion:128 Resp: 935340

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

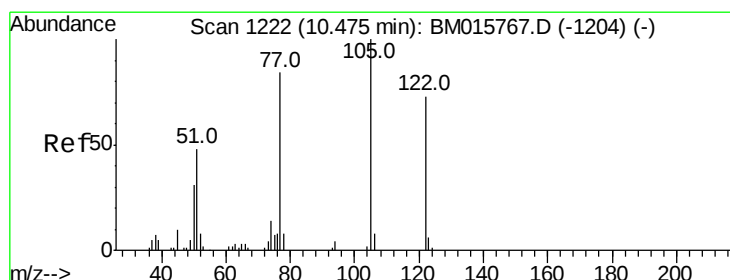
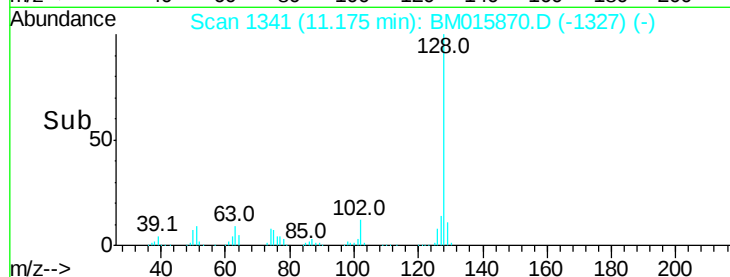
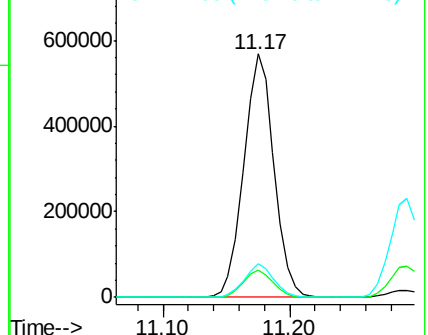
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.125 ng

RT: 10.47 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

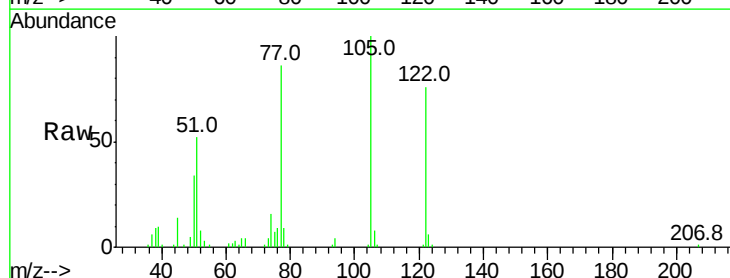
Tgt Ion:122 Resp: 174522

Ion Ratio Lower Upper

122 100

105 132.0 99.9 139.9

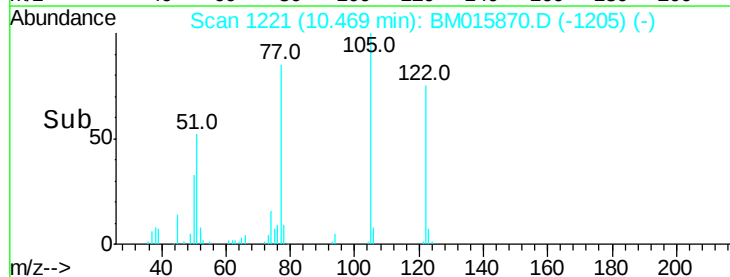
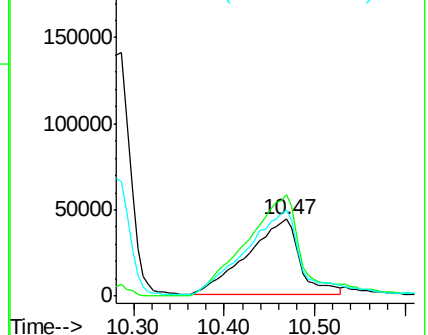
77 113.0 73.7 113.7

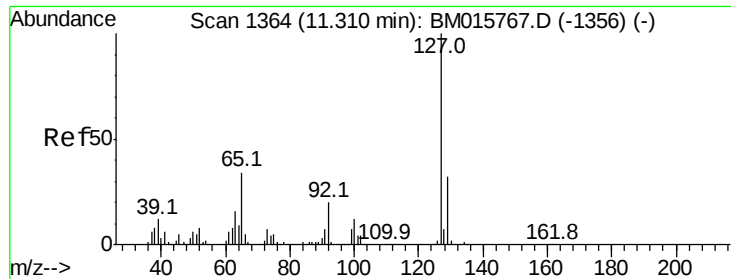


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

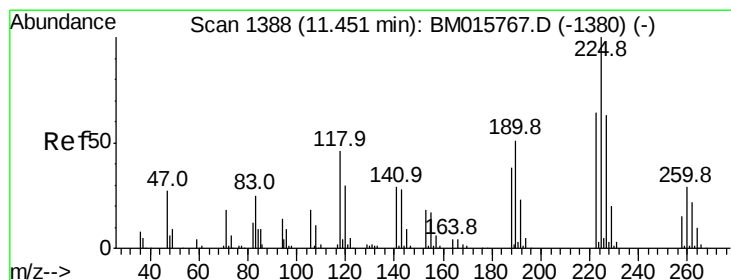
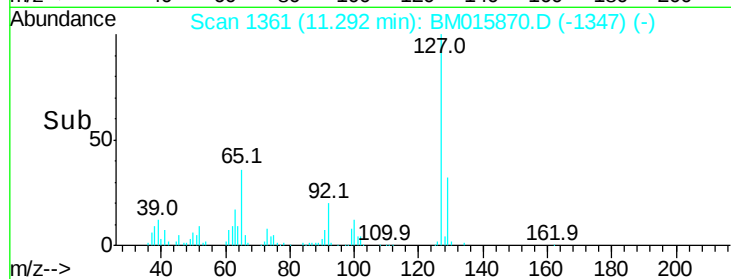
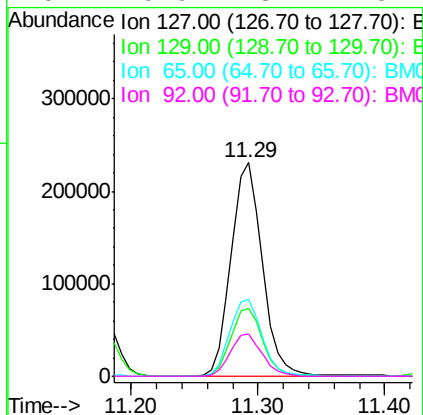
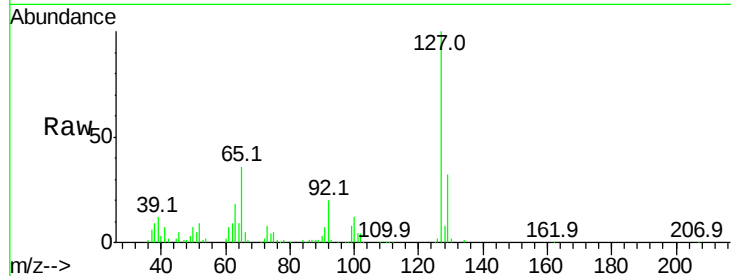




#33  
4-Chloroaniline  
Concen: 39.676 ng  
RT: 11.29 min Scan# 1361  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

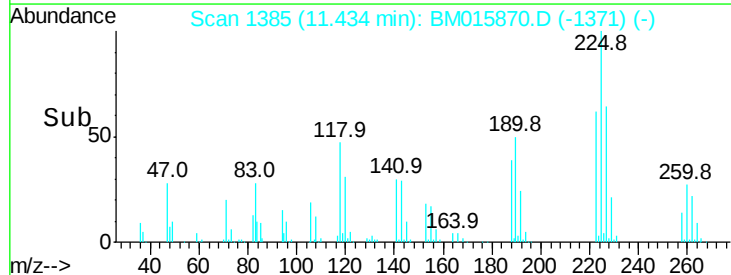
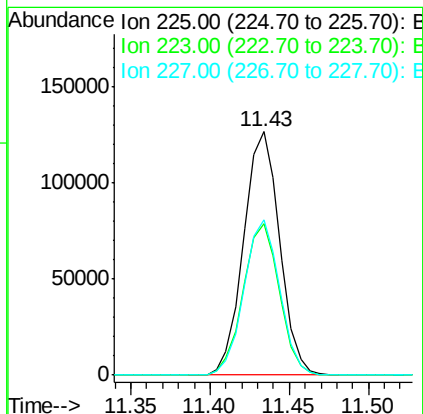
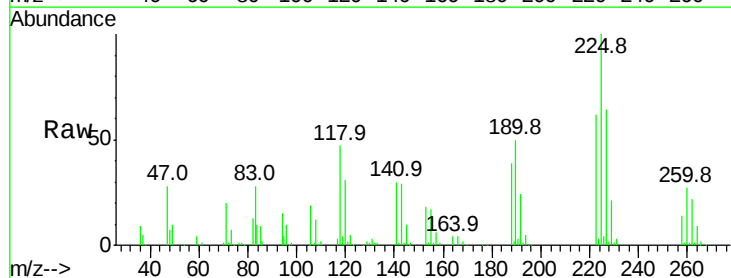
Instrument :  
BNA\_M  
ClientSampleId :

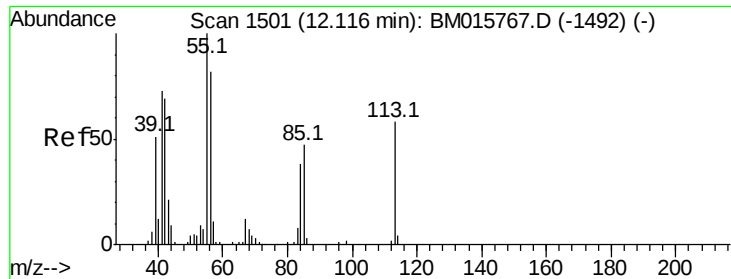
Tot Ion:127 Resp: 394301  
Ion Ratio Lower Upper  
127 100  
129 32.0 25.3 37.9  
65 36.1 17.6 26.4#  
92 19.9 13.1 19.7#



#34  
Hexachlorobutadiene  
Concen: 37.919 ng  
RT: 11.43 min Scan# 1385  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:225 Resp: 199748  
Ion Ratio Lower Upper  
225 100  
223 62.2 47.9 71.9  
227 64.0 50.1 75.1





#35

Caprolactam

Concen: 39.120 ng

RT: 12.11 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

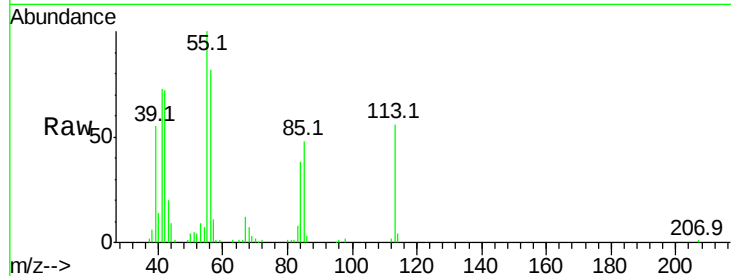
Tot Ion:113 Resp: 88166

Ion Ratio Lower Upper

113 100

55 178.2 145.9 185.9

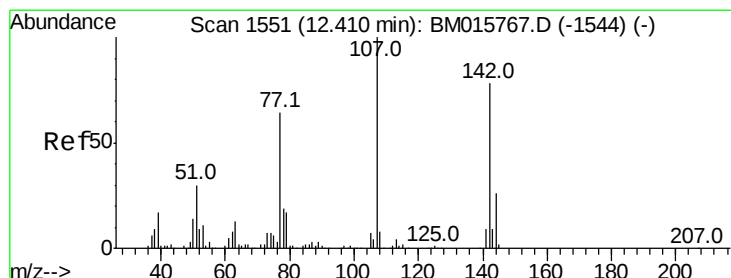
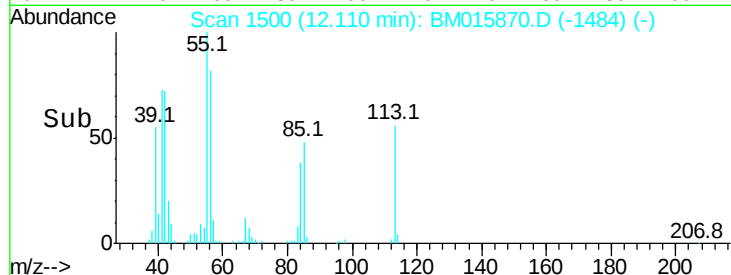
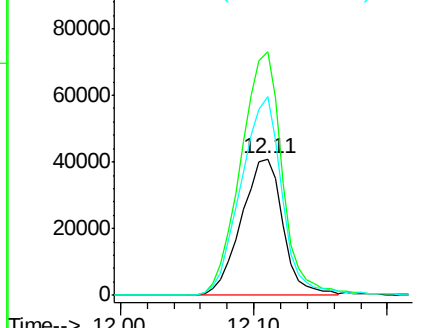
56 145.5 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 39.646 ng

RT: 12.39 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

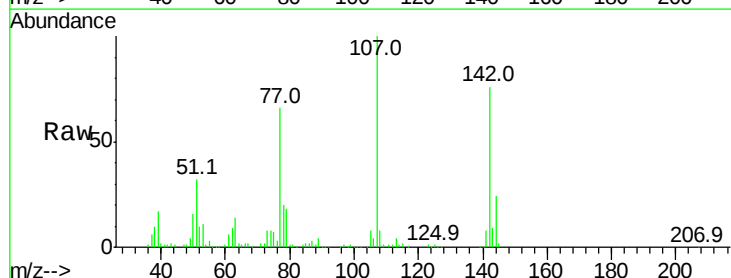
Tgt Ion:107 Resp: 309139

Ion Ratio Lower Upper

107 100

144 24.2 23.3 34.9

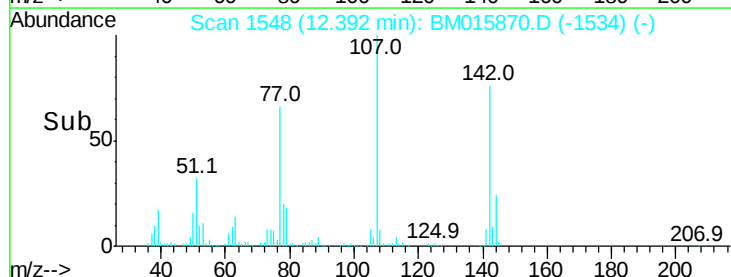
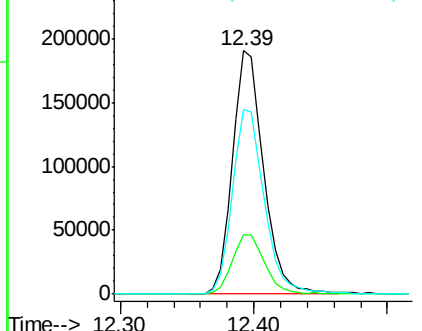
142 75.8 72.6 109.0

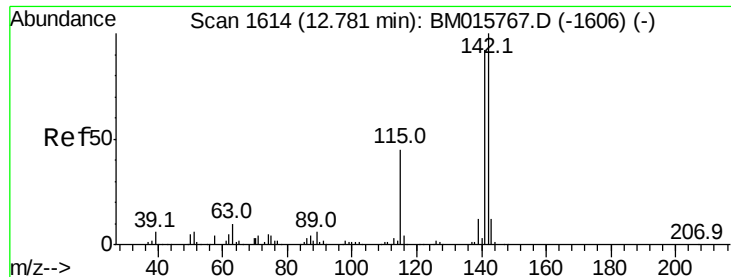


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

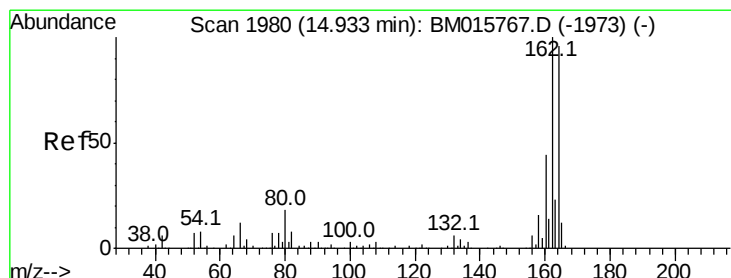
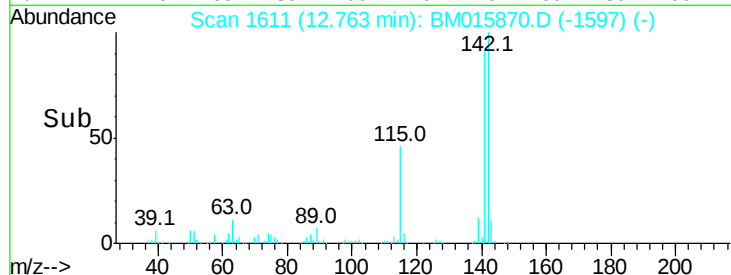
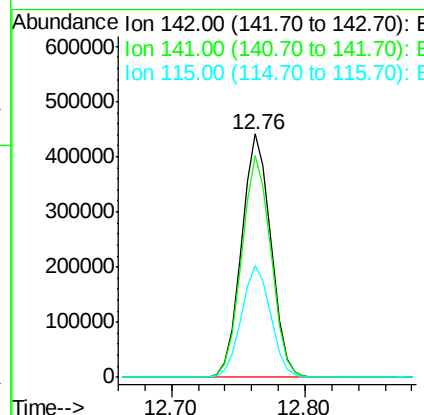
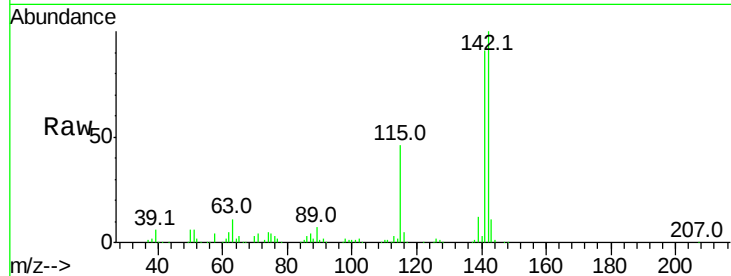




#37  
2-Methylnaphthalene  
Concen: 38.684 ng  
RT: 12.76 min Scan# 1611  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

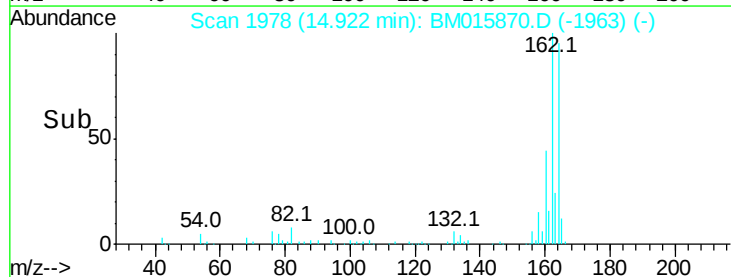
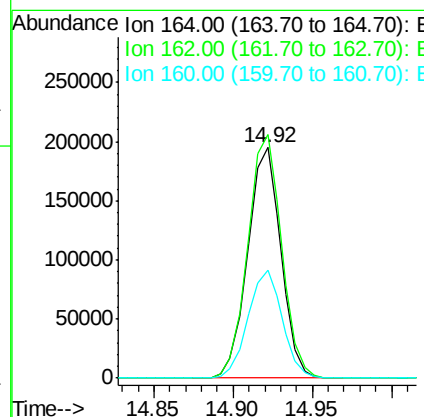
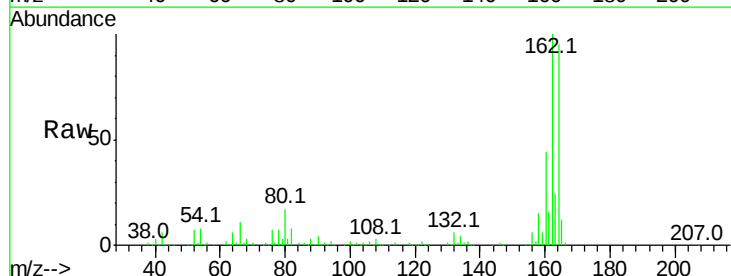
Instrument :  
BNA\_M  
ClientSampled :

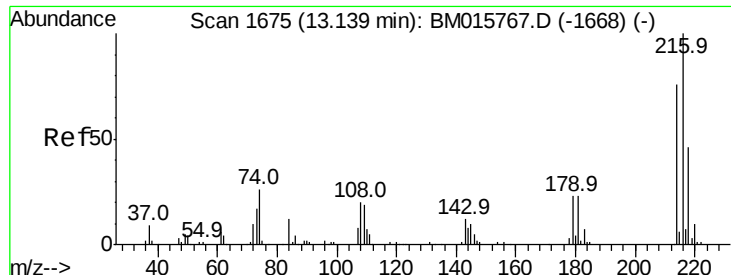
Tot Ion:142 Resp: 670769  
Ion Ratio Lower Upper  
142 100  
141 91.3 71.9 107.9  
115 45.9 25.4 38.0#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.92 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:164 Resp: 282612  
Ion Ratio Lower Upper  
164 100  
162 105.8 82.4 123.6  
160 46.8 35.8 53.6

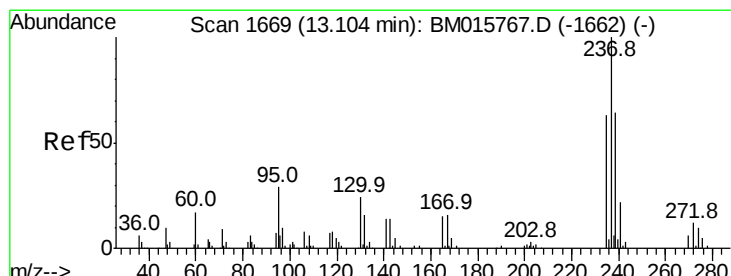
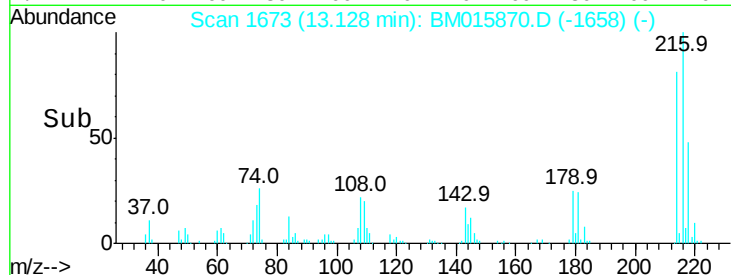
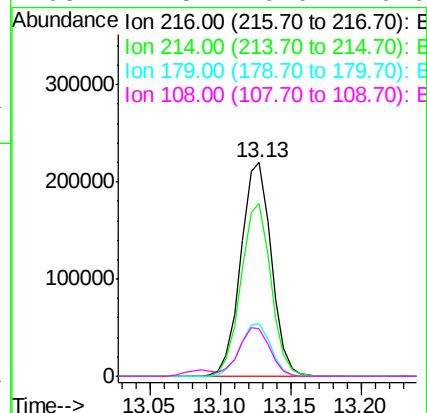
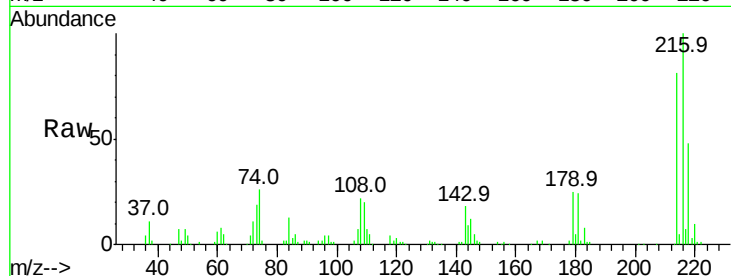




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.666 ng  
 RT: 13.13 min Scan# 1673  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

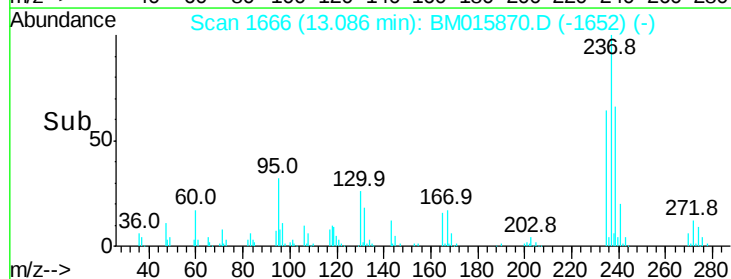
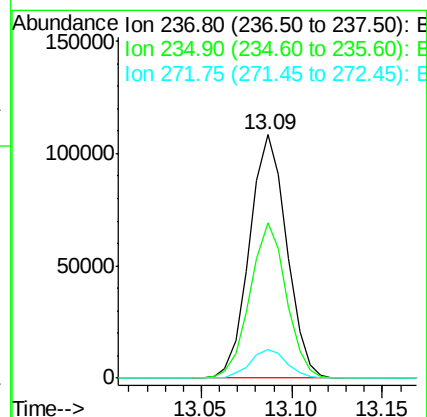
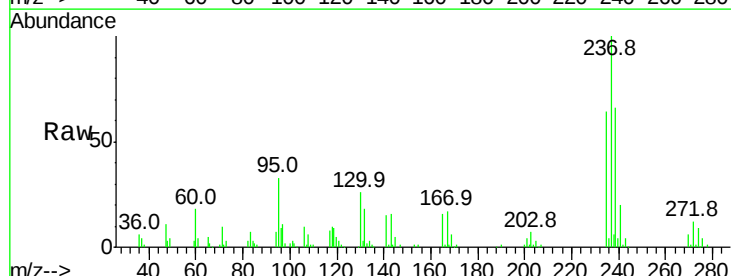
Instrument :  
 BNA\_M  
 ClientSampleId :

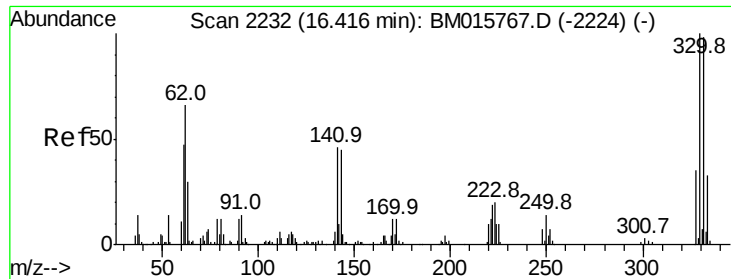
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 332581 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.3  | 0.0   | 0.0#   |
| 179      | 24.7  | 0.0   | 0.0#   |
| 108      | 22.8  | 0.0   | 0.0#   |



#40  
 Hexachlorocyclopentadiene  
 Concen: 41.556 ng  
 RT: 13.09 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 154145 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 63.9  | 42.0  | 82.0   |
| 272      | 11.8  | 0.0   | 33.4   |

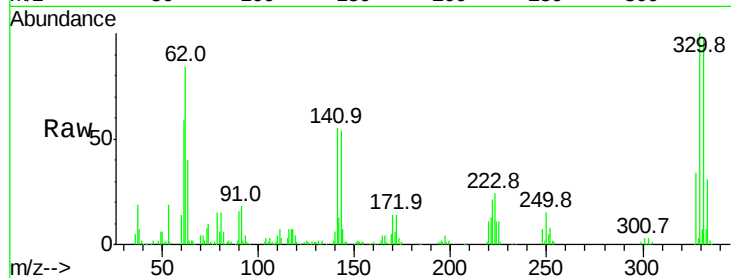




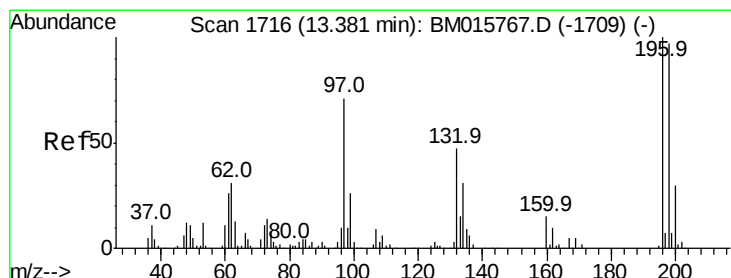
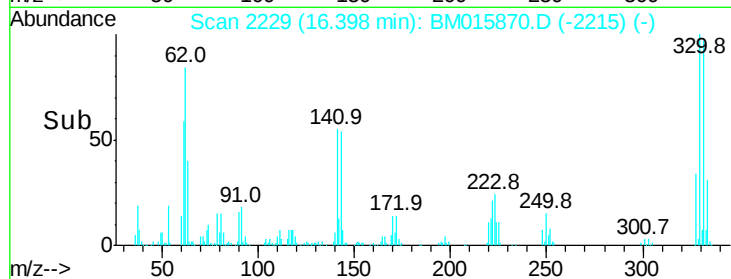
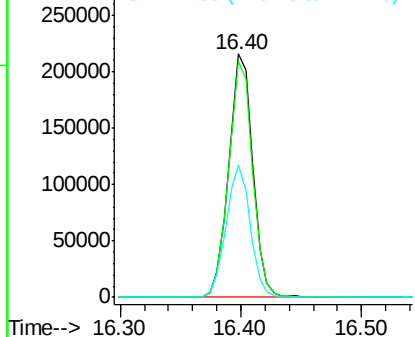
#41  
 2,4,6-Tribromophenol  
 Concen: 41.556 ng  
 RT: 16.40 min Scan# 2229  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 0.0   | 0.0#  |
| 141     | 54.3  | 0.0   | 0.0#  |

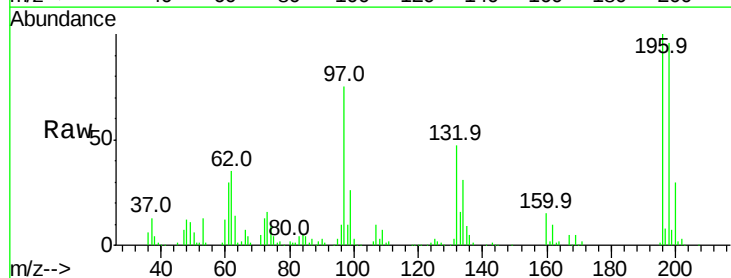


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

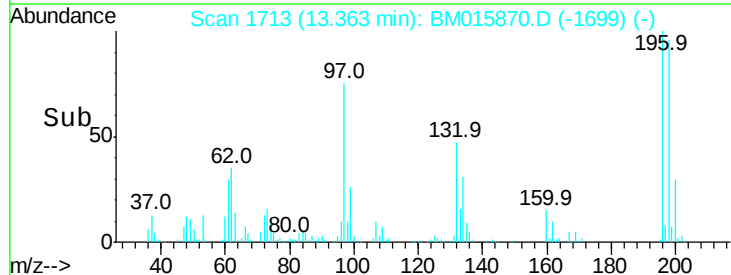
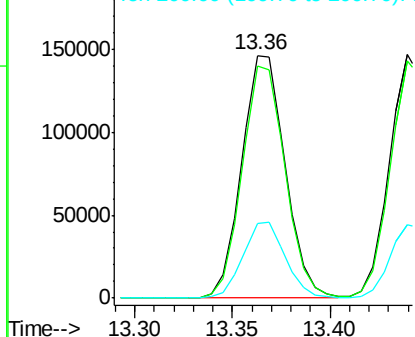


#42  
 2,4,6-Trichlorophenol  
 Concen: 39.411 ng  
 RT: 13.36 min Scan# 1713  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.6  | 76.3  | 114.5 |
| 200     | 30.5  | 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

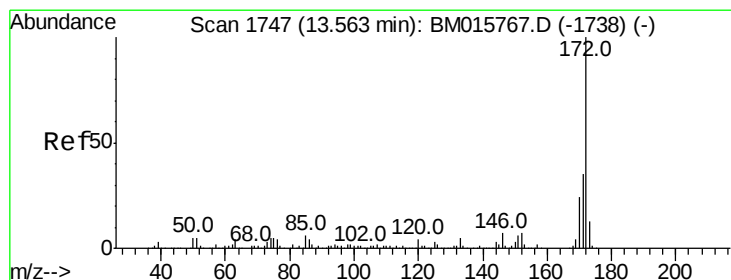
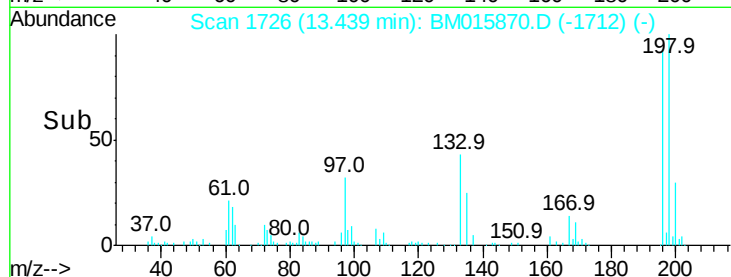
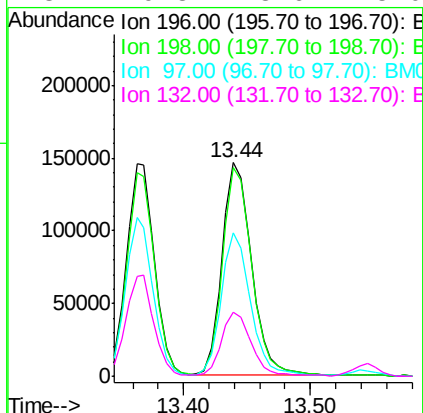
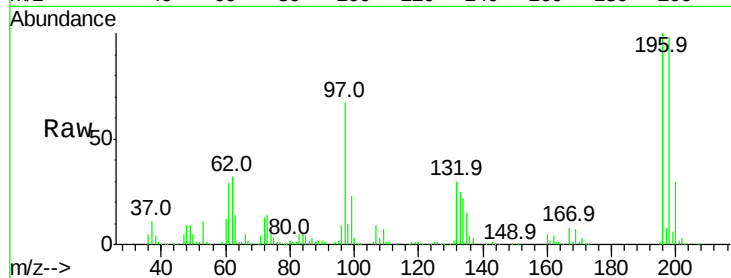




#43  
 2,4,5-Trichlorophenol  
 Concen: 37.960 ng  
 RT: 13.44 min Scan# 1726  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

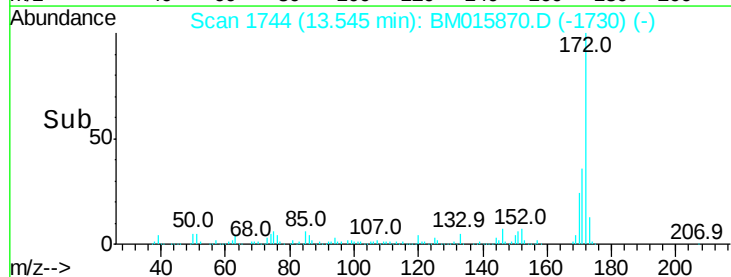
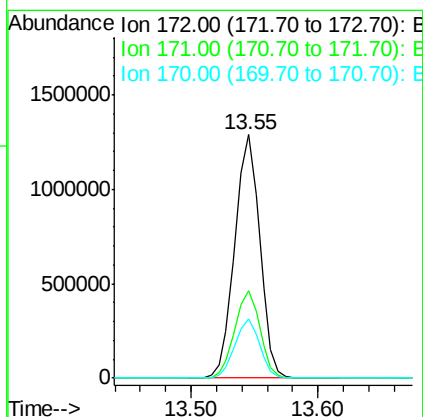
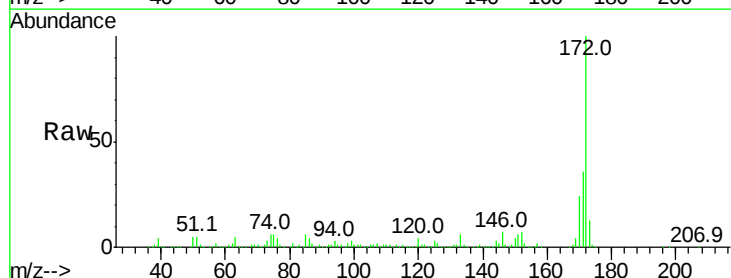
Instrument :  
 BNA\_M  
 ClientSampleId :

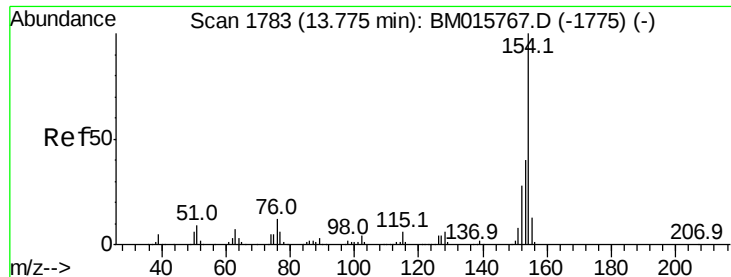
Tot Ion:196 Resp: 235116  
 Ion Ratio Lower Upper  
 196 100  
 198 97.6 79.4 119.0  
 97 67.3 26.8 40.2#  
 132 29.8 18.6 28.0#



#44  
 2-Fluorobiphenyl  
 Concen: 37.960 ng  
 RT: 13.55 min Scan# 1744  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:172 Resp: 1756926  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.5 42.7  
 170 24.1 18.8 28.2

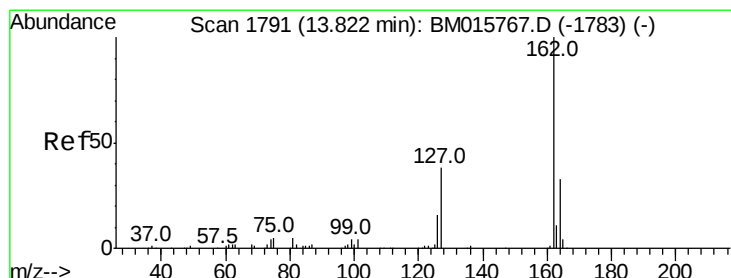
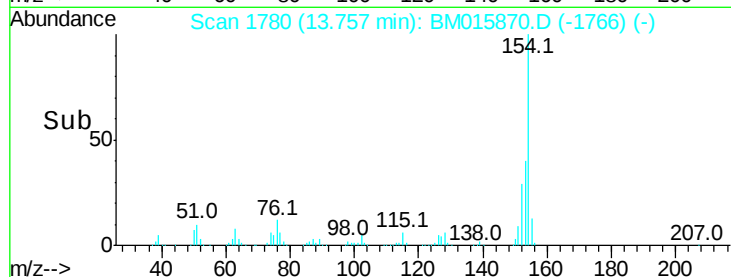
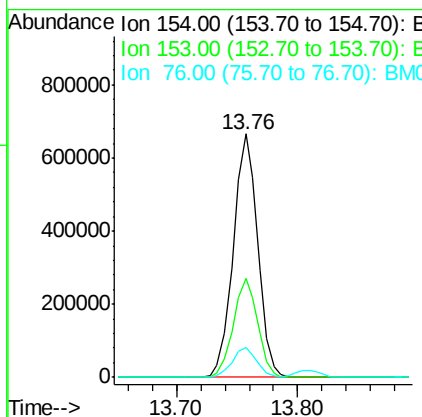
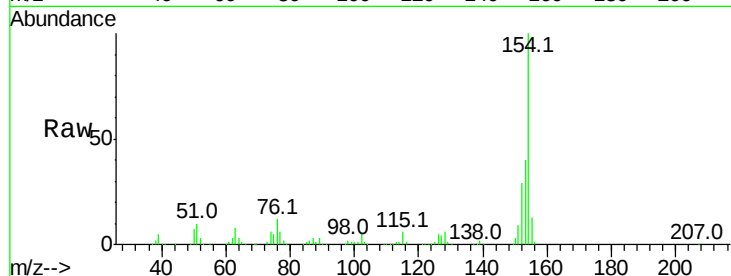




#45  
 1,1'-Biphenyl  
 Concen: 38.343 ng  
 RT: 13.76 min Scan# 1780  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

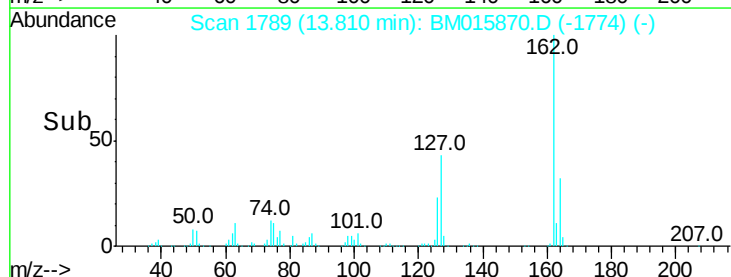
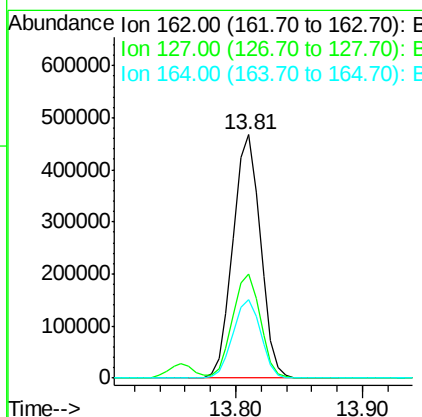
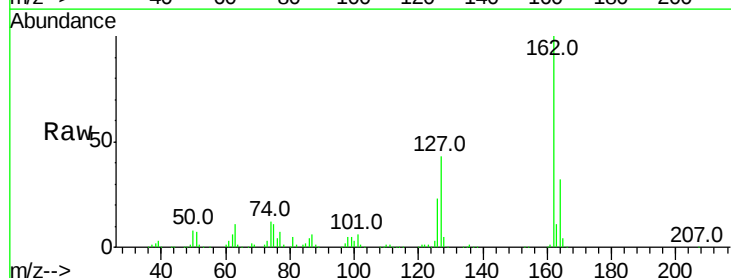
Instrument :  
 BNA\_M  
 ClientSampleId :

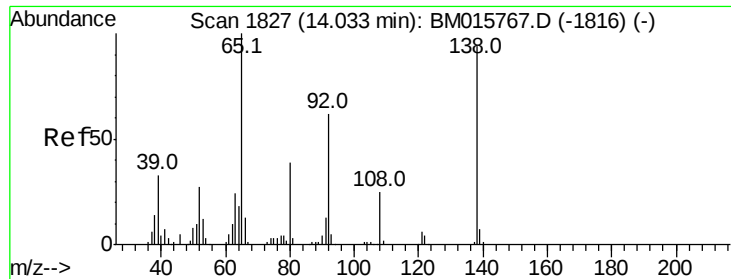
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.4  | 20.7  | 60.7  |
| 76      | 12.5  | 0.0   | 30.9  |



#46  
 2-Chloronaphthalene  
 Concen: 38.416 ng  
 RT: 13.81 min Scan# 1789  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.7  | 26.9  | 40.3# |
| 164     | 32.1  | 26.8  | 40.2  |





#47

2-Nitroaniline

Concen: 39.426 ng

RT: 14.02 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

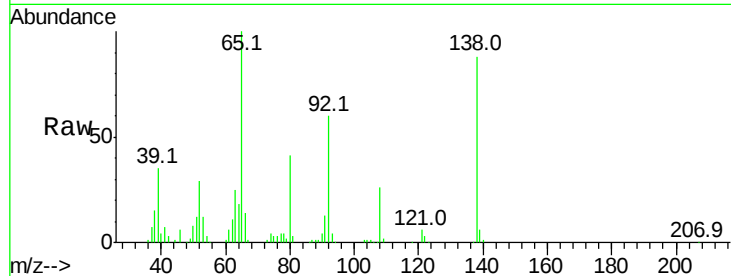
Tot Ion: 65 Resp: 251183

Ion Ratio Lower Upper

65 100

92 59.8 59.1 88.7

138 87.8 93.9 140.9#

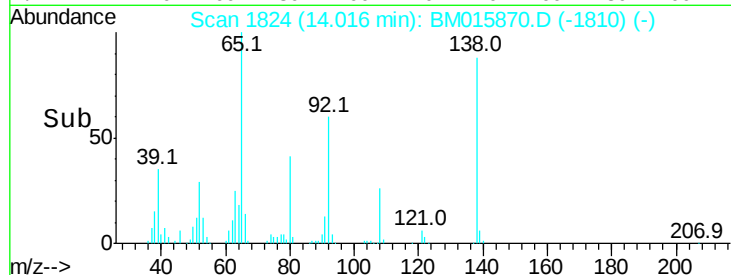


Abundance Ion 65.00 (64.70 to 65.70): BM015767.D (-1816) (-)

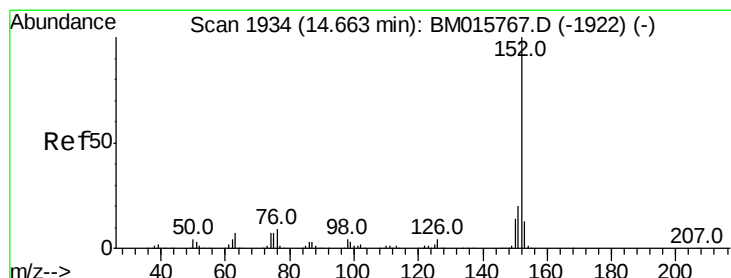
Ion 92.00 (91.70 to 92.70): BM015767.D (-1816) (-)

Ion 138.00 (137.70 to 138.70): BM015767.D (-1816) (-)

Time-->



Time-->



#48

Acenaphthylene

Concen: 39.522 ng

RT: 14.65 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

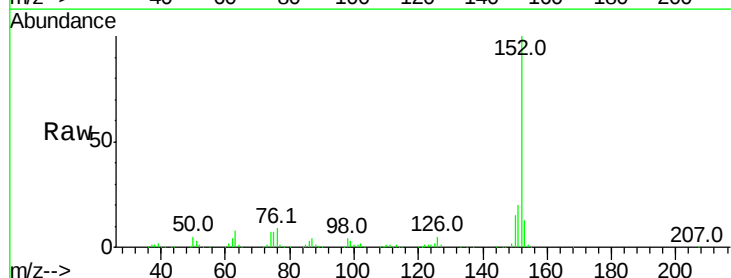
Tgt Ion: 152 Resp: 1174568

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 13.2 10.6 16.0

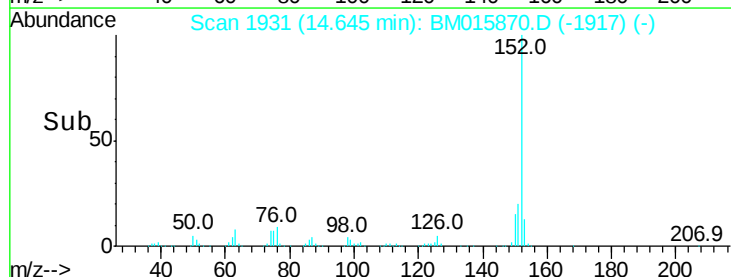


Abundance Ion 152.00 (151.70 to 152.70): BM015767.D (-1922) (-)

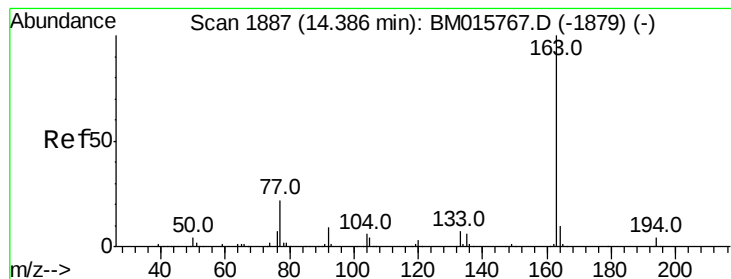
Ion 151.00 (150.70 to 151.70): BM015767.D (-1922) (-)

Ion 153.00 (152.70 to 153.70): BM015767.D (-1922) (-)

Time-->



Time-->



#49

Dimethylphthalate

Concen: 38.948 ng

RT: 14.37 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

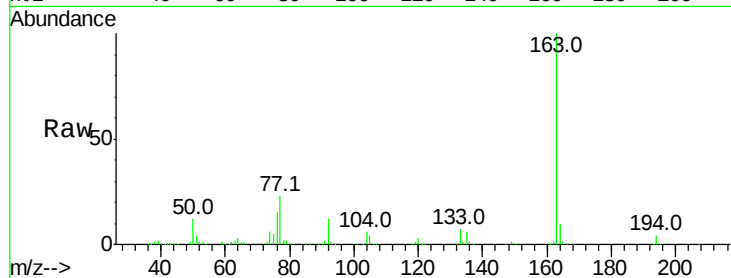
Tot Ion:163 Resp: 970755

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

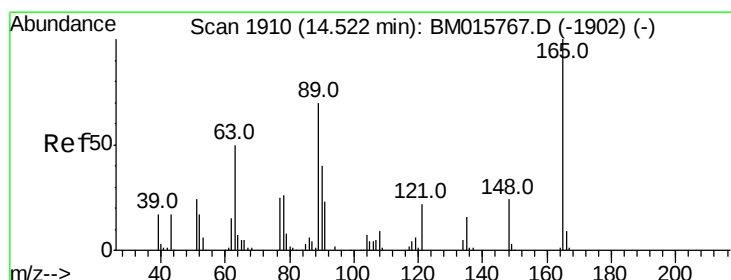
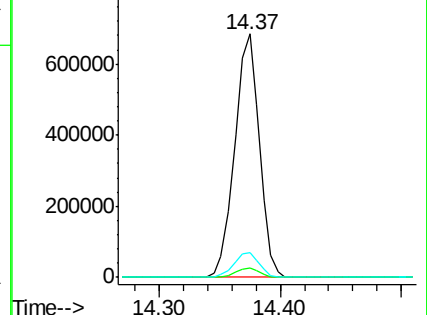
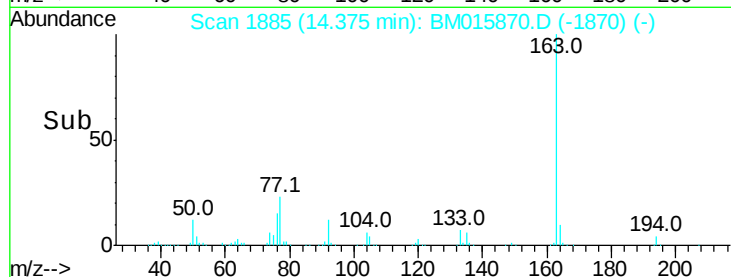
164 10.1 8.2 12.2



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: 39.870 ng

RT: 14.51 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

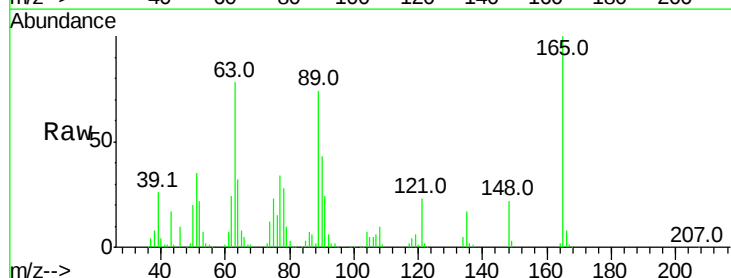
Tgt Ion:165 Resp: 193755

Ion Ratio Lower Upper

165 100

63 78.0 44.1 66.1#

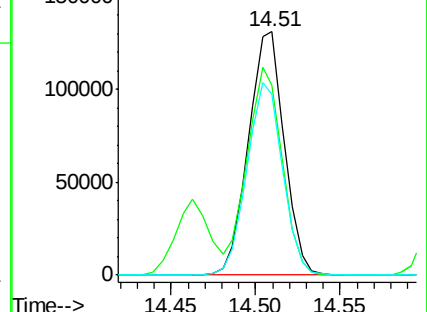
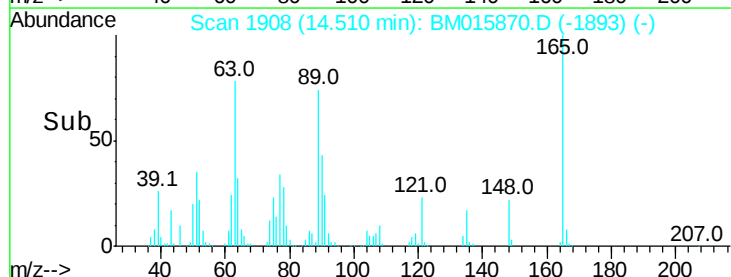
89 74.3 44.3 66.5#

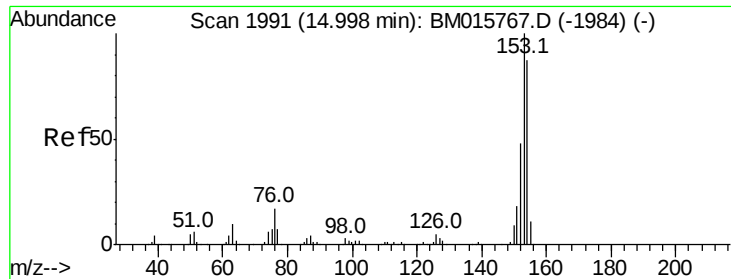


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 38.964 ng

RT: 14.99 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

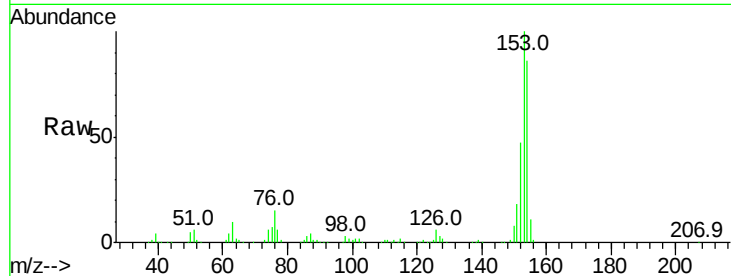
Tot Ion:154 Resp: 720568

Ion Ratio Lower Upper

154 100

153 116.6 90.0 135.0

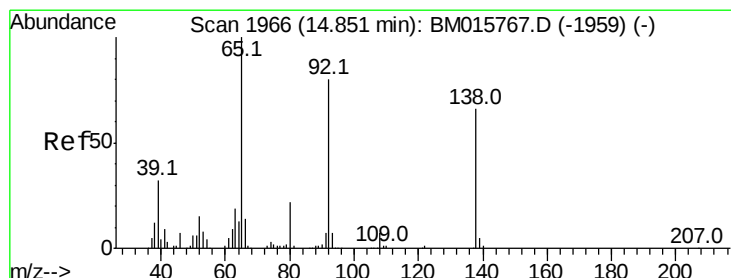
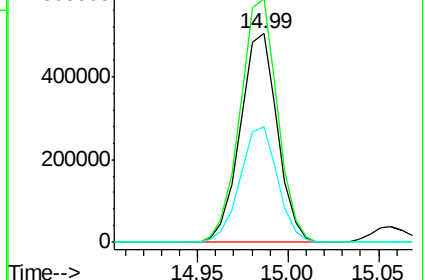
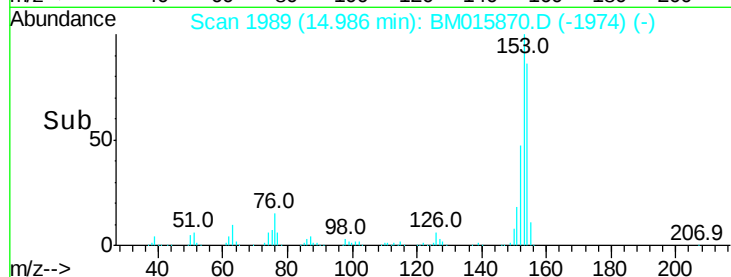
152 55.2 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 38.425 ng

RT: 14.84 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

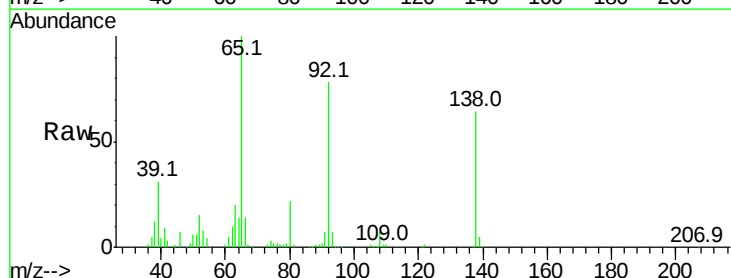
Tgt Ion:138 Resp: 204392

Ion Ratio Lower Upper

138 100

108 10.7 7.3 10.9

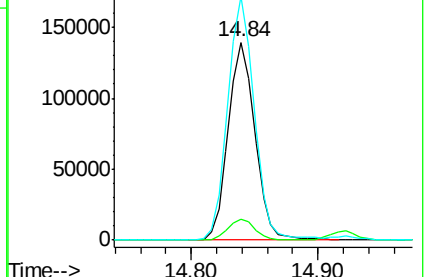
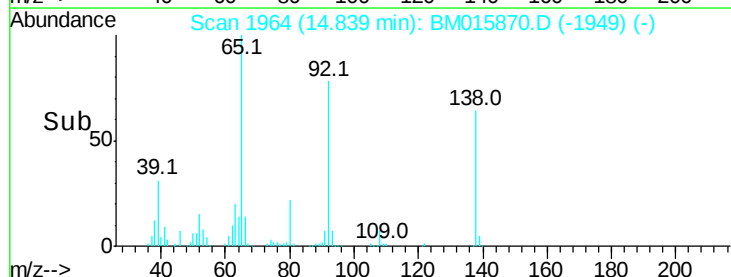
92 123.1 76.6 114.8#

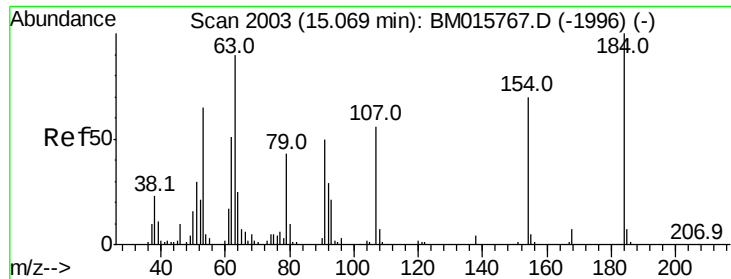


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

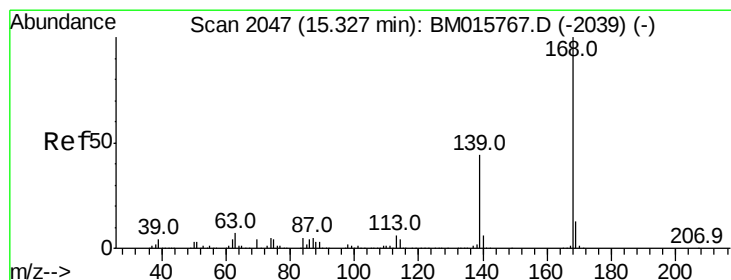
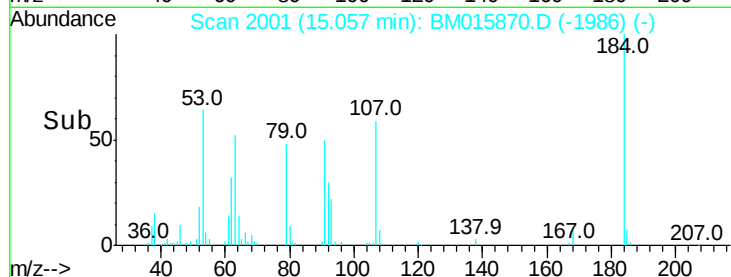
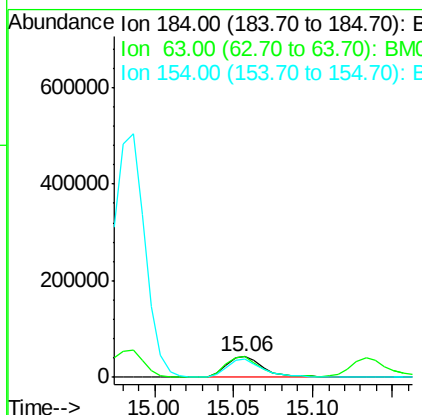
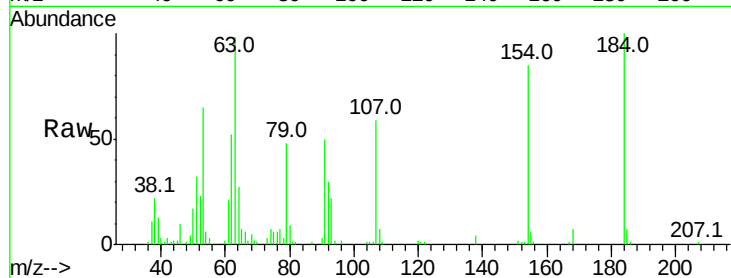




#53  
2,4-Dinitrophenol  
Concen: 33.607 ng  
RT: 15.06 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

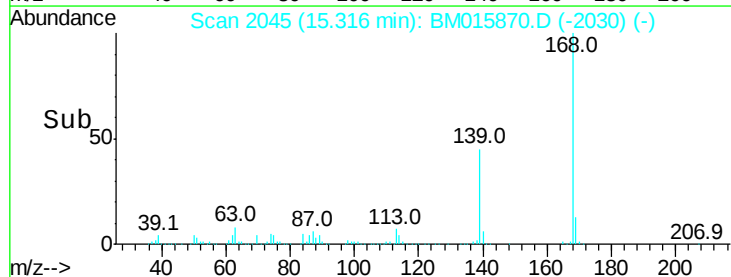
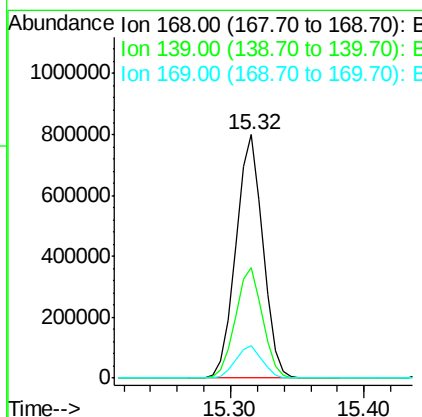
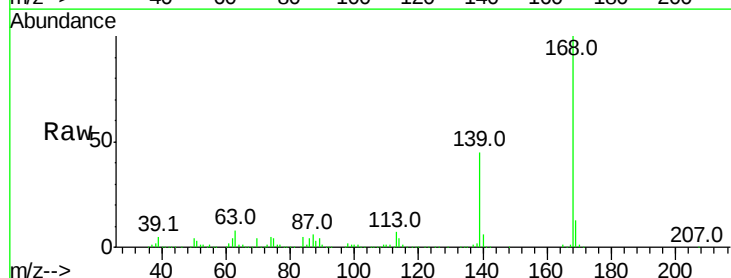
Instrument :  
BNA\_M  
ClientSampleId :

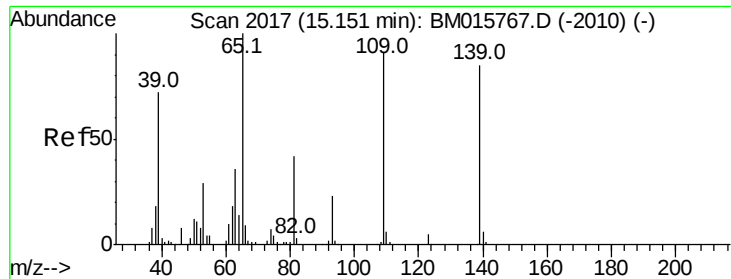
Tot Ion:184 Resp: 70913  
Ion Ratio Lower Upper  
184 100  
63 97.7 69.2 103.8  
154 85.3 53.3 79.9#



#54  
Dibenzofuran  
Concen: 39.206 ng  
RT: 15.32 min Scan# 2045  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:168 Resp: 1117238  
Ion Ratio Lower Upper  
168 100  
139 45.1 27.3 40.9#  
169 13.3 10.6 16.0

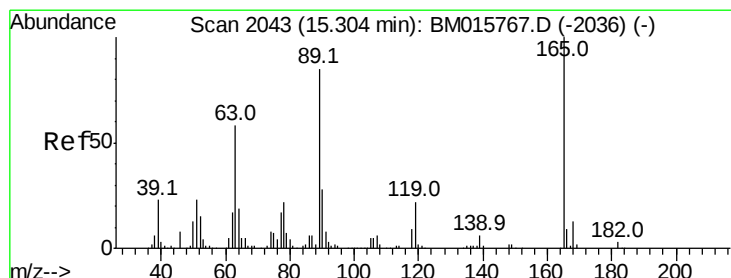
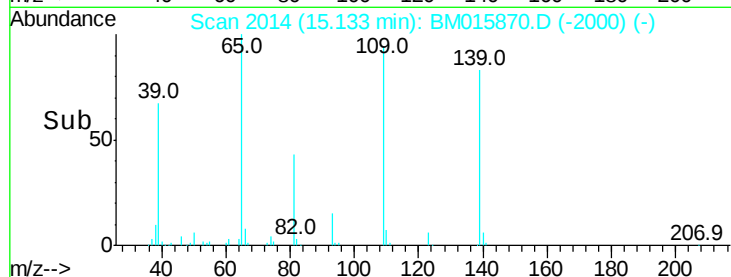
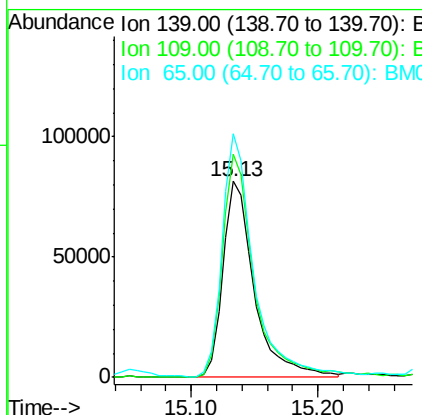
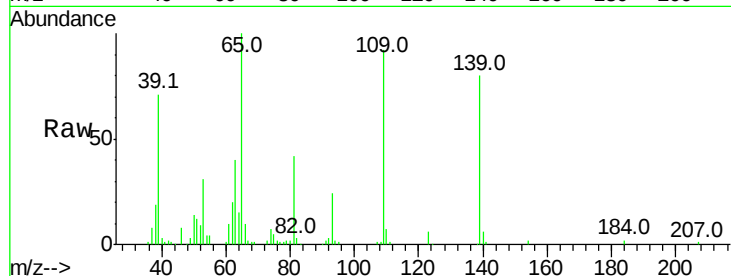




#55  
4-Nitrophenol  
Concen: 35.730 ng  
RT: 15.13 min Scan# 2014  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

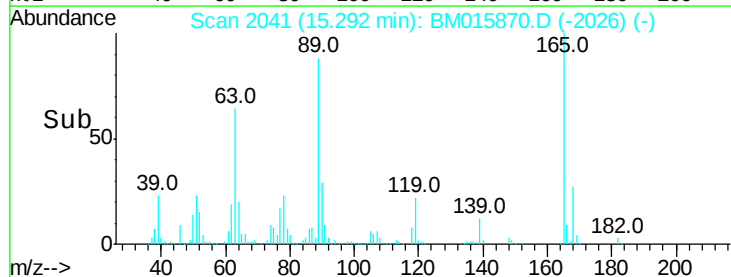
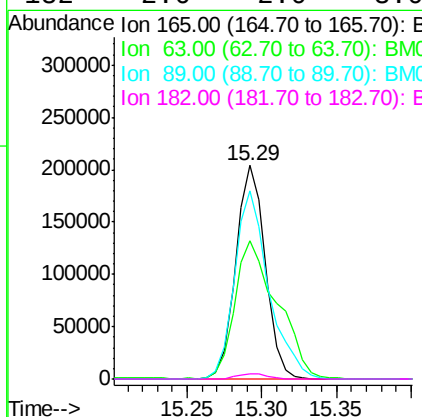
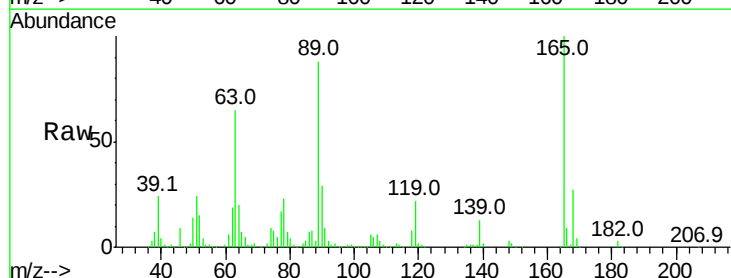
Instrument :  
BNA\_M  
ClientSampleId :

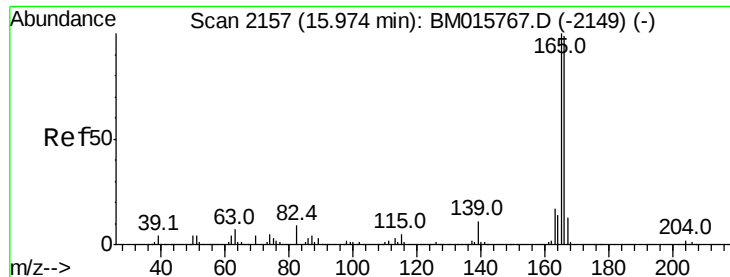
Tot Ion:139 Resp: 140266  
Ion Ratio Lower Upper  
139 100  
109 114.0 130.0 170.0#  
65 124.3 130.0 170.0#



#56  
2,4-Dinitrotoluene  
Concen: 39.851 ng  
RT: 15.29 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:165 Resp: 279600  
Ion Ratio Lower Upper  
165 100  
63 64.7 52.4 78.6  
89 88.0 72.4 108.6  
182 2.6 2.0 3.0





#57

Fluorene

Concen: 39.811 ng

RT: 15.96 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

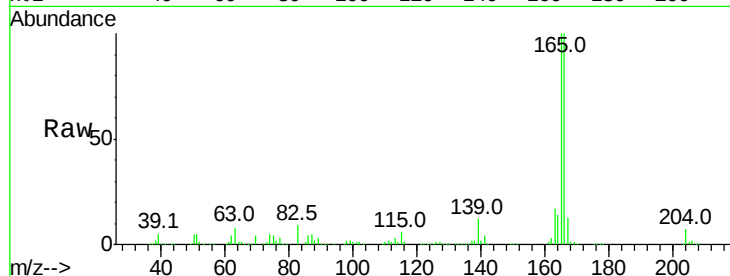
Tot Ion:166 Resp: 935523

Ion Ratio Lower Upper

166 100

165 100.1 79.0 118.4

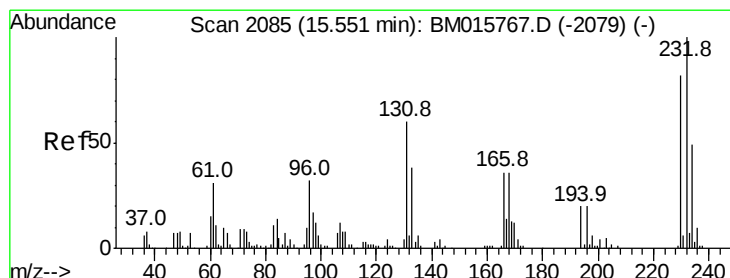
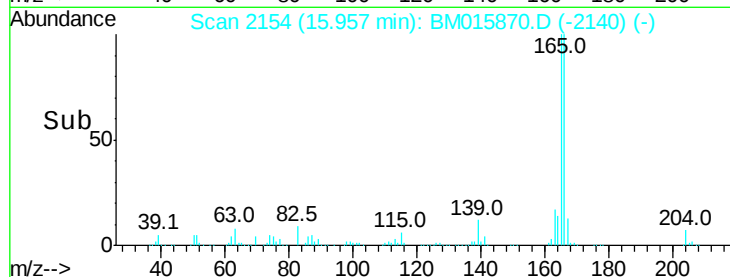
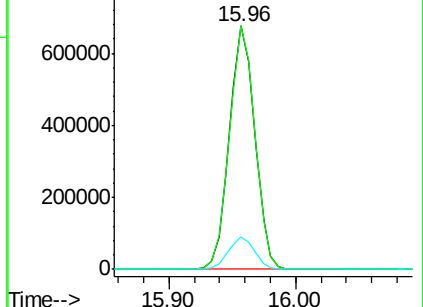
167 13.4 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 39.418 ng

RT: 15.54 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Tgt Ion:232 Resp: 206019

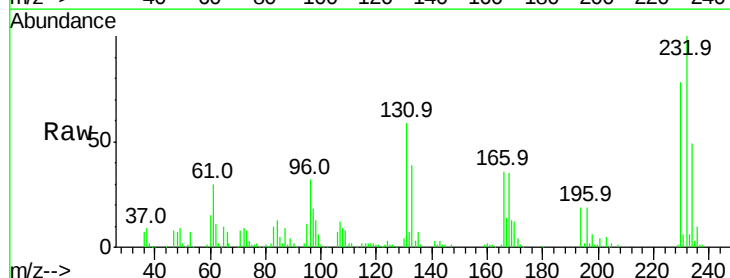
Ion Ratio Lower Upper

232 100

131 62.9 0.0 0.0#

130 3.8 0.0 0.0#

166 37.5 0.0 0.0#

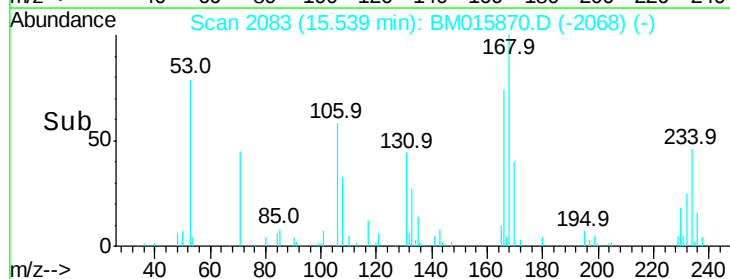
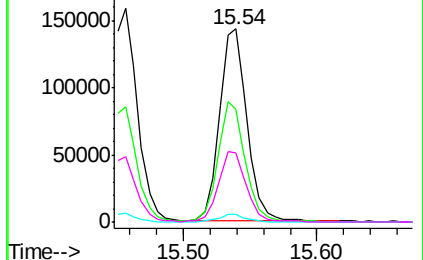


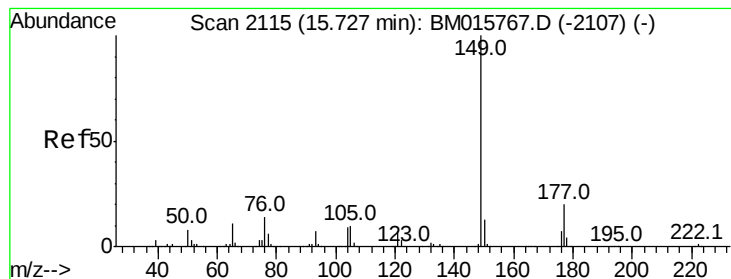
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 40.177 ng

RT: 15.72 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

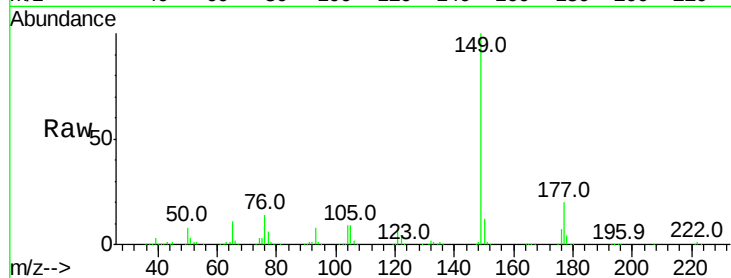
Tot Ion:149 Resp: 1073111

Ion Ratio Lower Upper

149 100

177 20.1 18.3 27.5

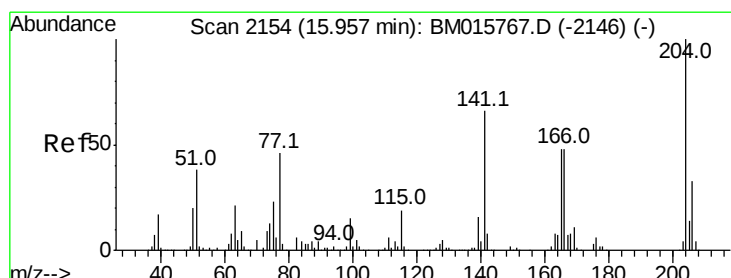
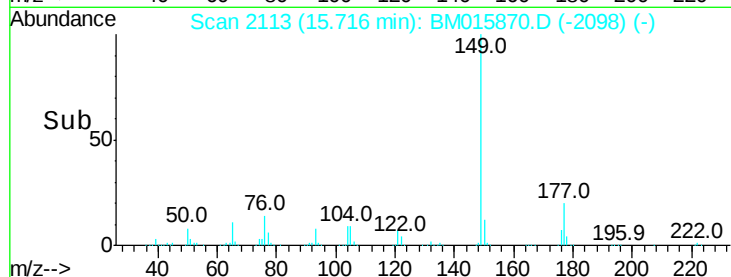
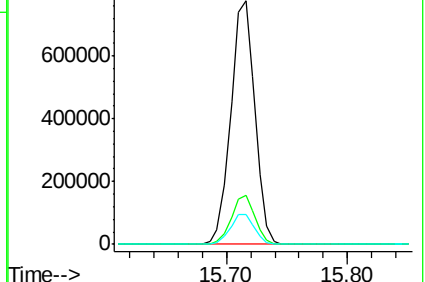
150 12.4 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 39.077 ng

RT: 15.94 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

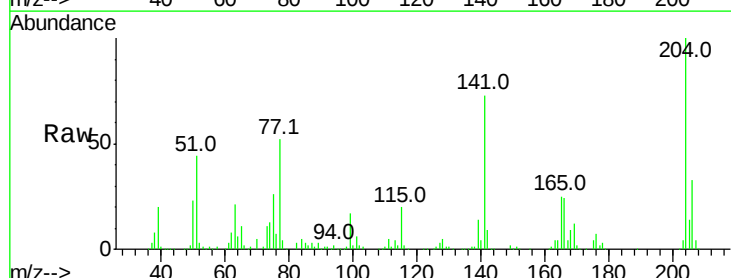
Tgt Ion:204 Resp: 472517

Ion Ratio Lower Upper

204 100

206 33.4 26.6 39.8

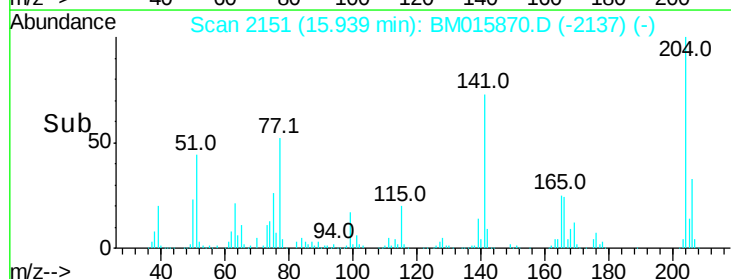
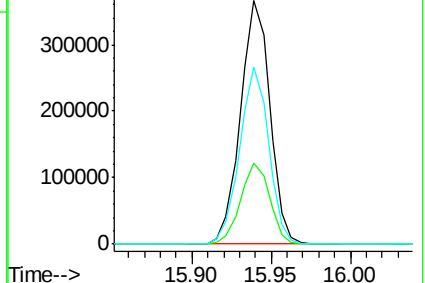
141 72.7 45.2 67.8#

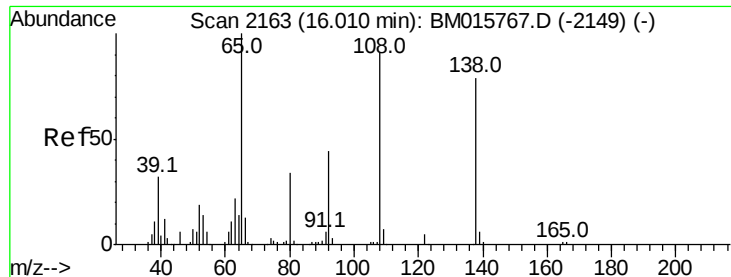


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.220 ng

RT: 16.00 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

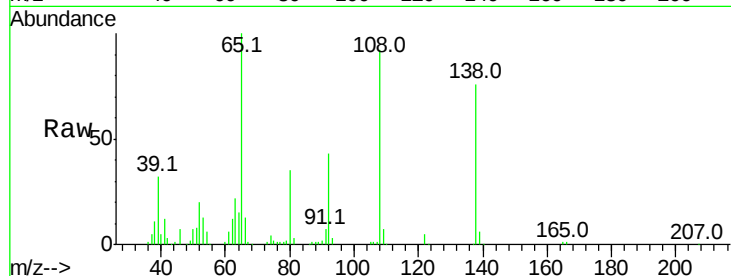
Tot Ion:138 Resp: 199868

Ion Ratio Lower Upper

138 100

92 57.5 16.7 56.7#

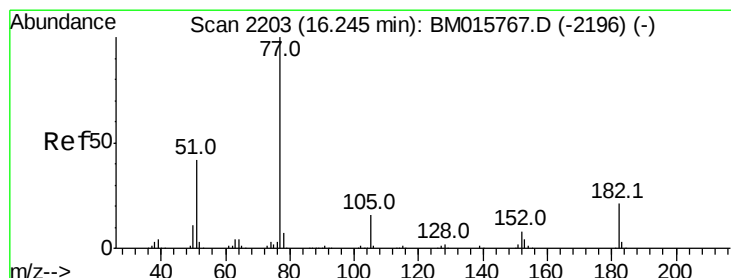
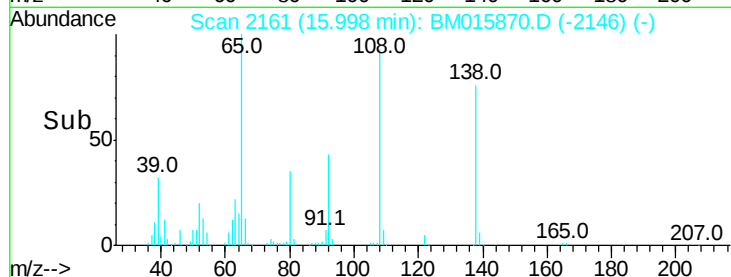
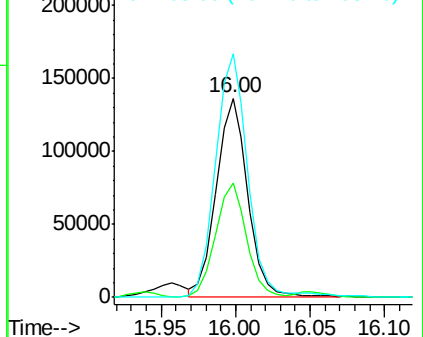
108 122.3 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 42.339 ng

RT: 16.23 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Tgt Ion: 77 Resp: 1060046

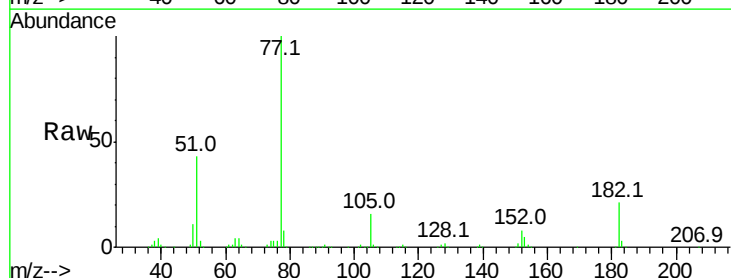
Ion Ratio Lower Upper

77 100

182 20.7 6.5 46.5

105 16.2 3.8 43.8

51 43.2 5.5 45.5

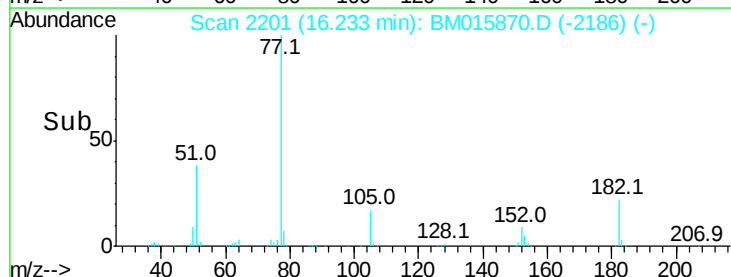
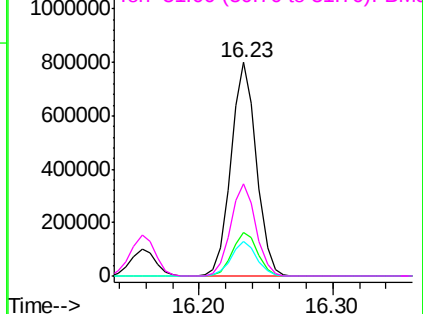


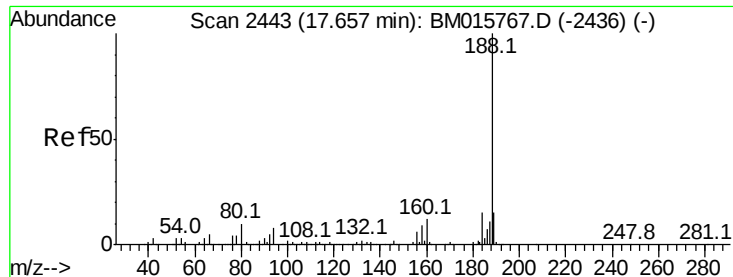
Abundance Ion 77.00 (76.70 to 77.70): BM0

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

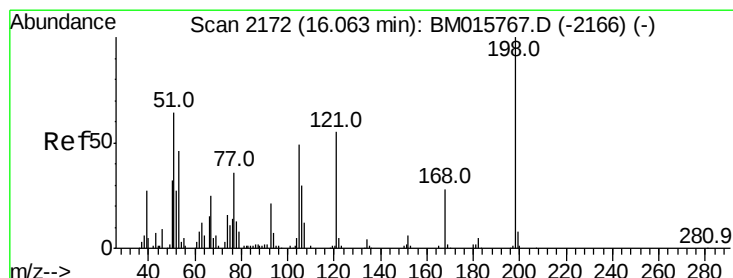
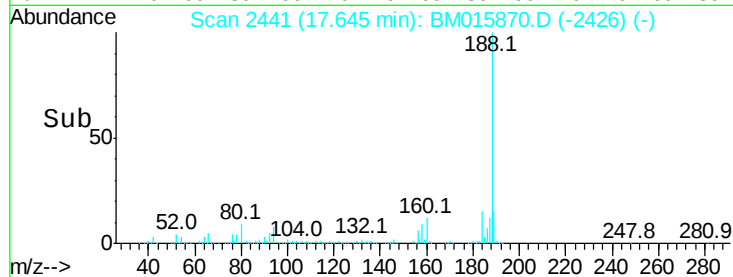
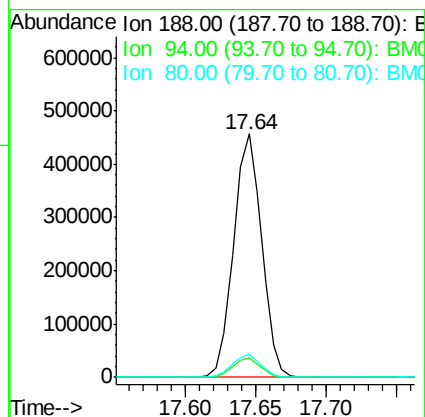
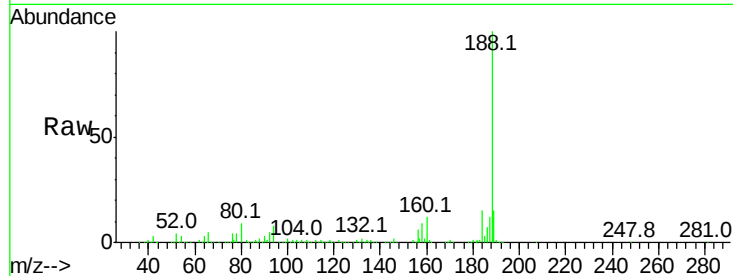




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.64 min Scan# 2441  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

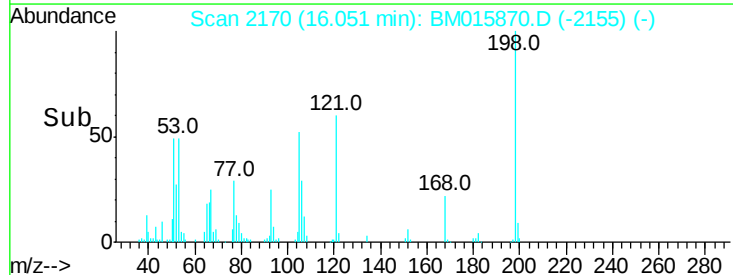
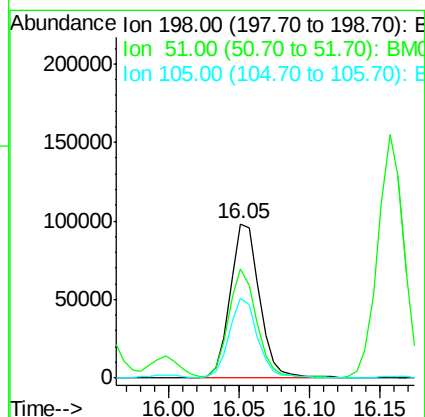
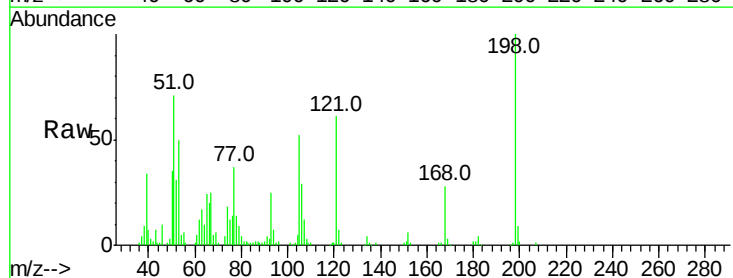
Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:188 Resp: 632250  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 8.7 13.1#  
 80 9.4 9.3 13.9



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 37.043 ng  
 RT: 16.05 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:198 Resp: 142377  
 Ion Ratio Lower Upper  
 198 100  
 51 70.9 28.8 68.8#  
 105 51.9 30.5 70.5

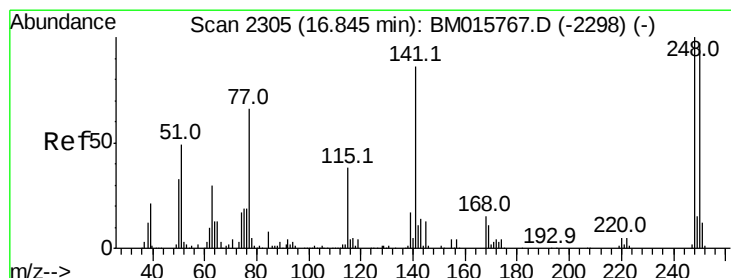
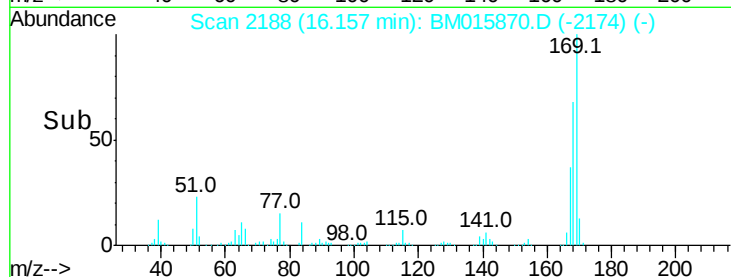
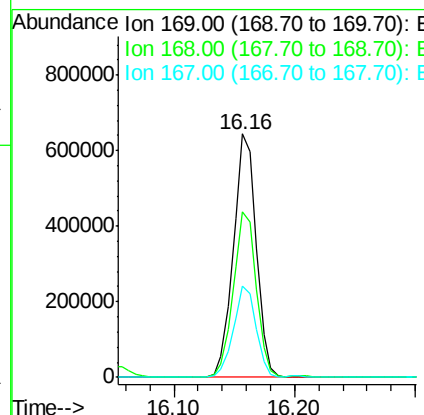
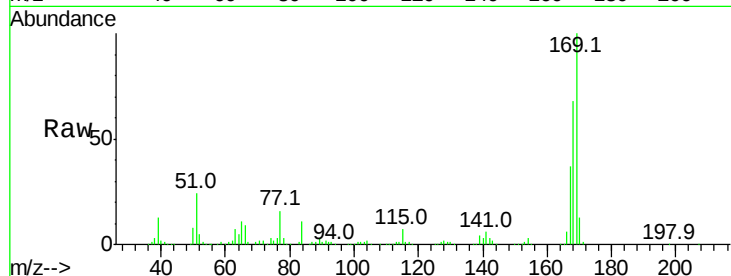




#65  
n-Nitrosodiphenylamine  
Concen: 39.190 ng  
RT: 16.16 min Scan# 2188  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

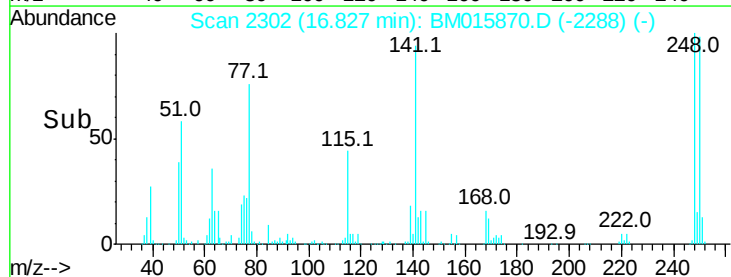
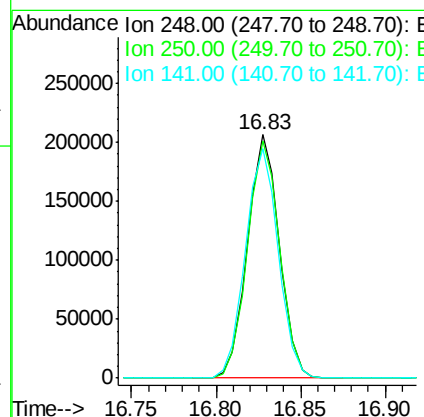
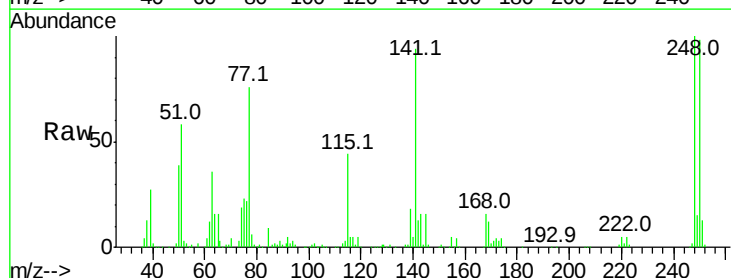
Instrument :  
BNA\_M  
ClientSampleId :

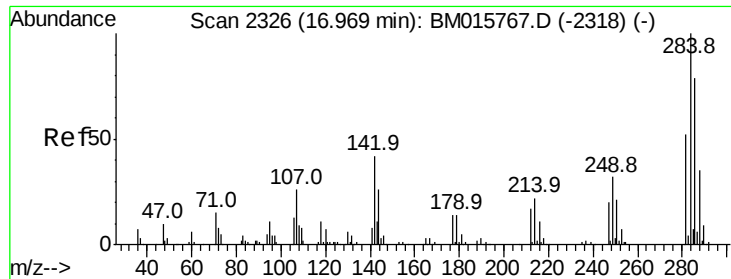
Tot Ion:169 Resp: 849011  
Ion Ratio Lower Upper  
169 100  
168 68.2 53.9 80.9  
167 37.3 28.9 43.3



#66  
4-Bromophenyl-phenylether  
Concen: 38.381 ng  
RT: 16.83 min Scan# 2302  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:248 Resp: 270940  
Ion Ratio Lower Upper  
248 100  
250 97.6 77.4 116.0  
141 94.1 45.2 67.8#





#67

Hexachlorobenzene

Concen: 38.276 ng

RT: 16.95 min Scan# 2323

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

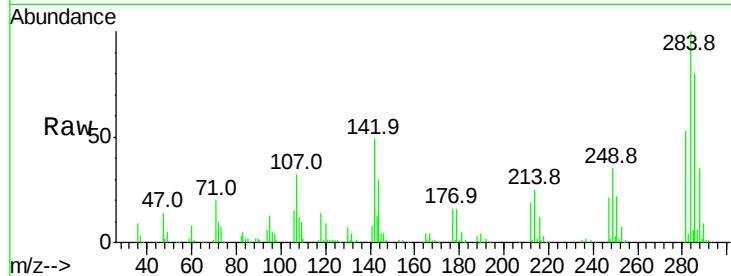
Tot Ion:284 Resp: 301934

Ion Ratio Lower Upper

284 100

142 49.2 20.4 30.6#

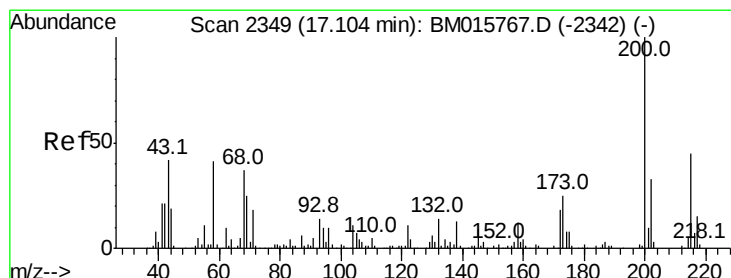
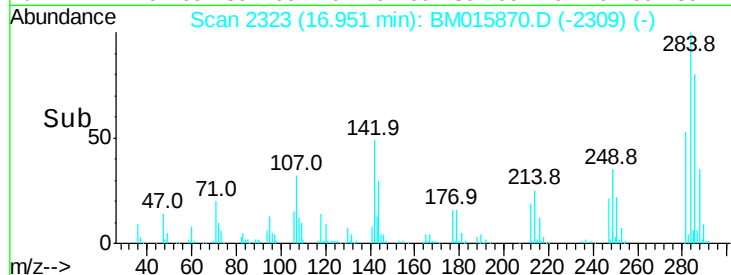
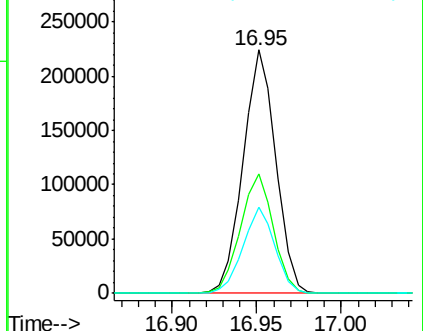
249 35.3 23.8 35.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 38.164 ng

RT: 17.09 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

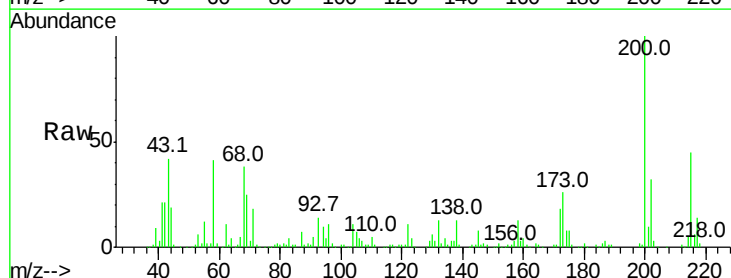
Tgt Ion:200 Resp: 271954

Ion Ratio Lower Upper

200 100

173 25.6 4.8 44.8

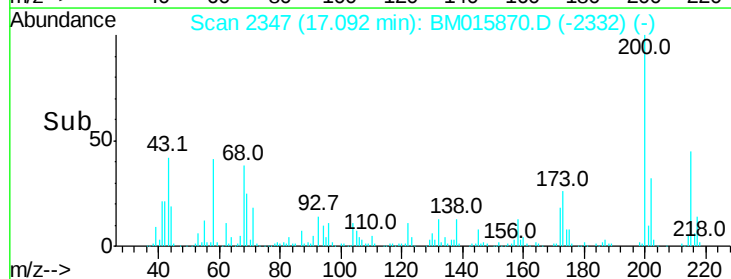
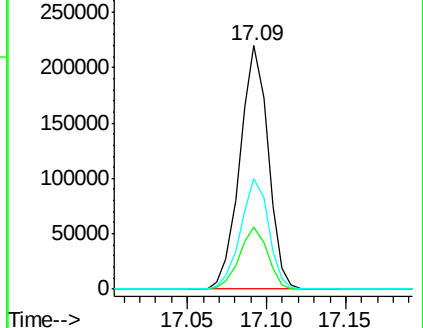
215 45.2 26.9 66.9

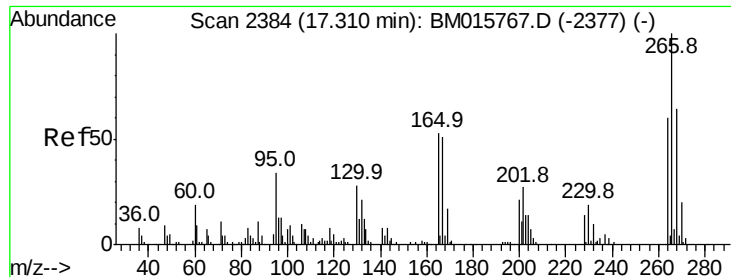


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

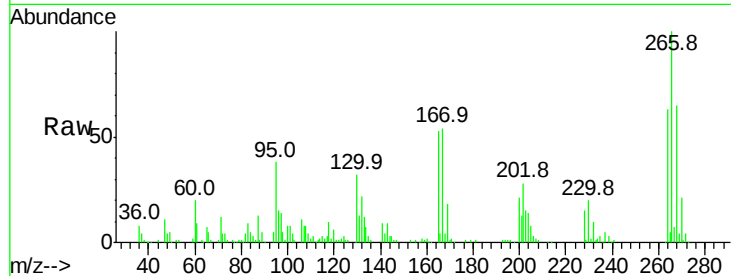




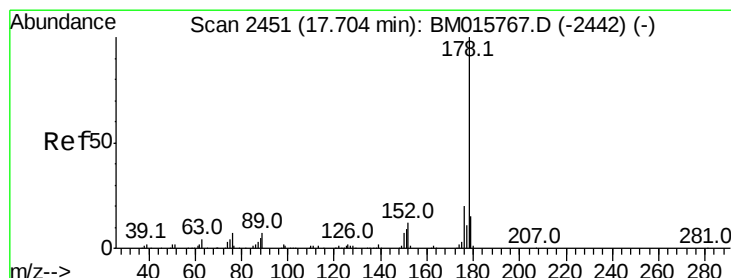
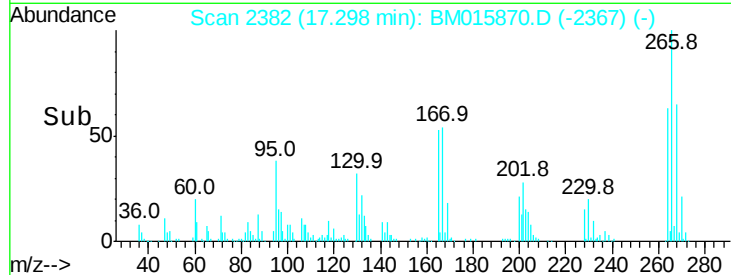
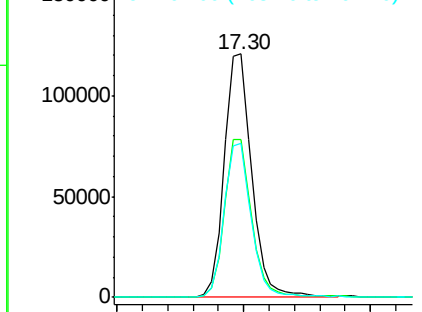
#69  
 Pentachlorophenol  
 Concen: 37.150 ng  
 RT: 17.30 min Scan# 2382  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.8  | 52.0  | 78.0  |
| 264     | 63.1  | 49.0  | 73.4  |

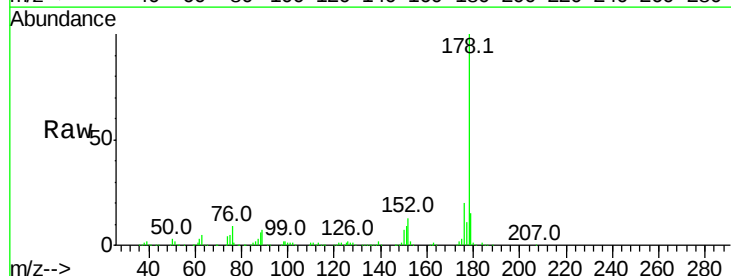


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

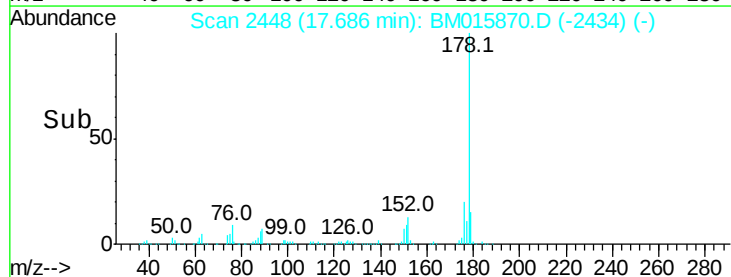
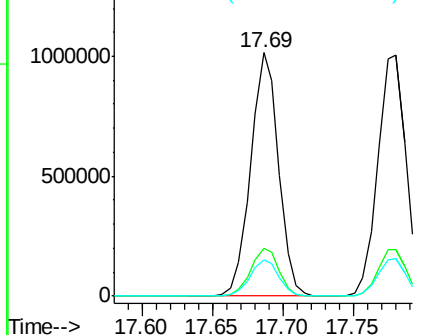


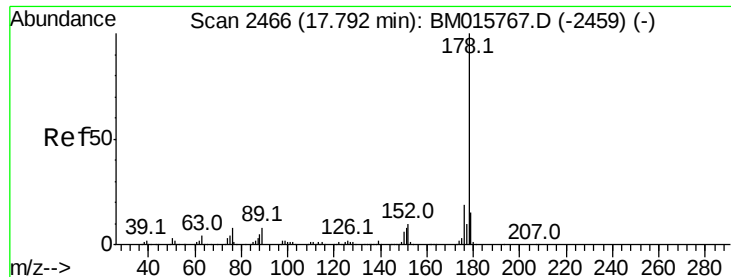
#70  
 Phenanthrene  
 Concen: 39.001 ng  
 RT: 17.69 min Scan# 2448  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.2  | 22.8  |
| 179     | 15.1  | 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



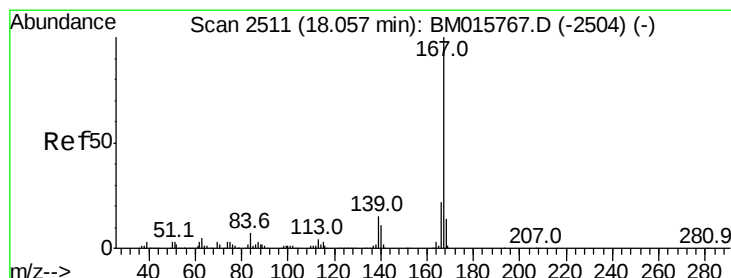
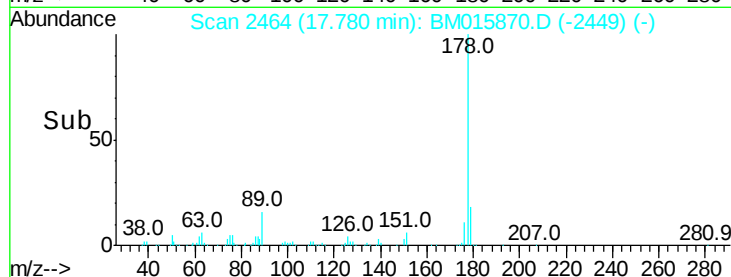
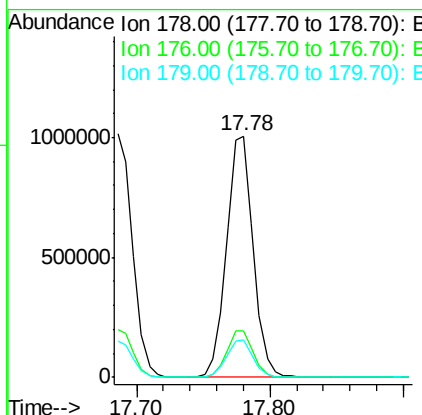
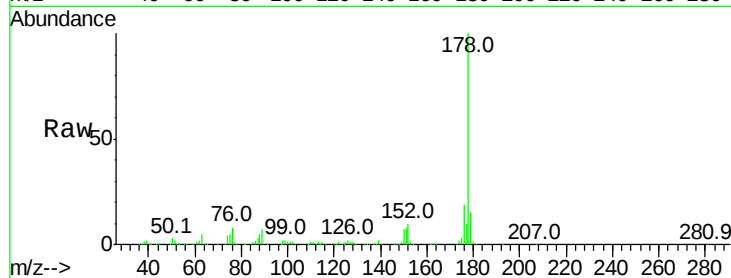


#71  
 Anthracene  
 Concen: 39.671 ng  
 RT: 17.78 min Scan# 2464  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:178 Resp: 1409218  

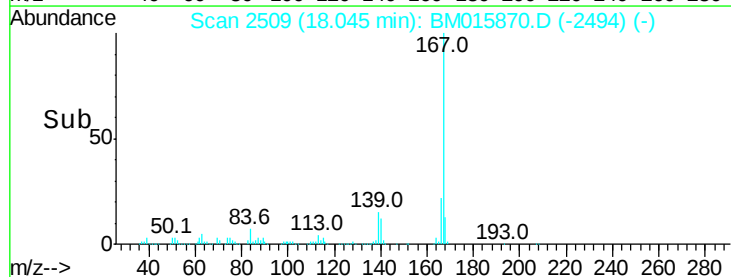
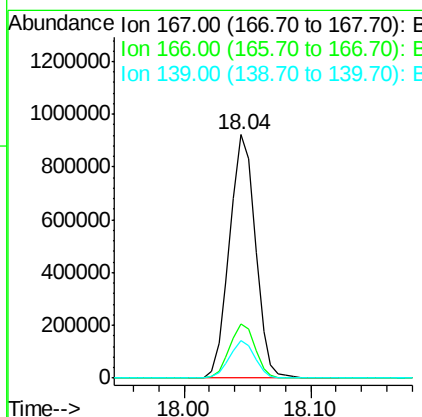
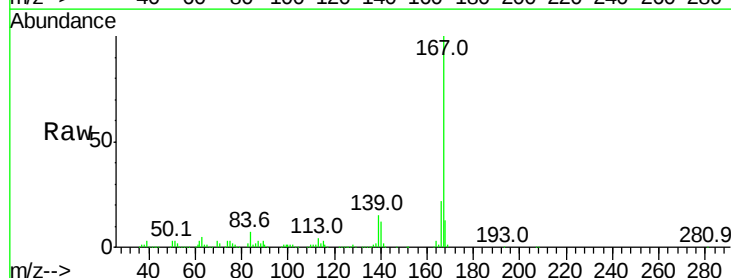
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.2  | 14.6  | 22.0  |
| 179 | 15.4  | 12.6  | 19.0  |

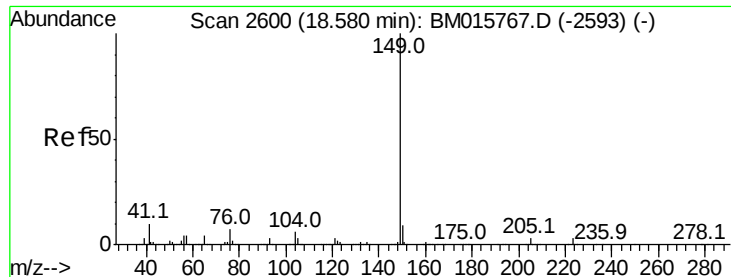


#72  
 Carbazole  
 Concen: 39.444 ng  
 RT: 18.04 min Scan# 2509  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:167 Resp: 1305659  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.1  | 17.2  | 25.8  |
| 139 | 15.3  | 10.8  | 16.2  |

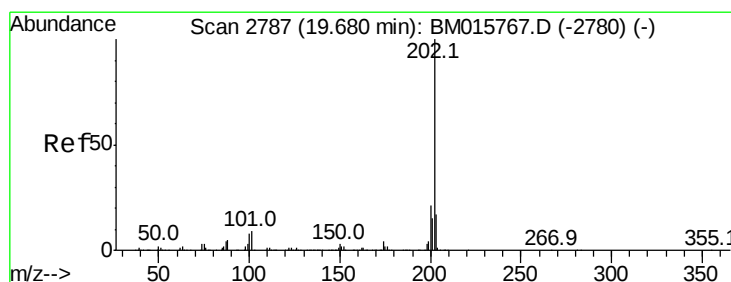
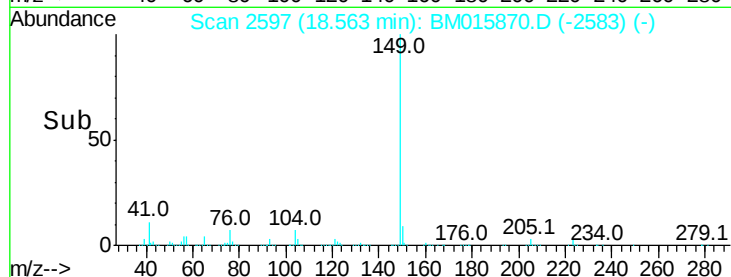
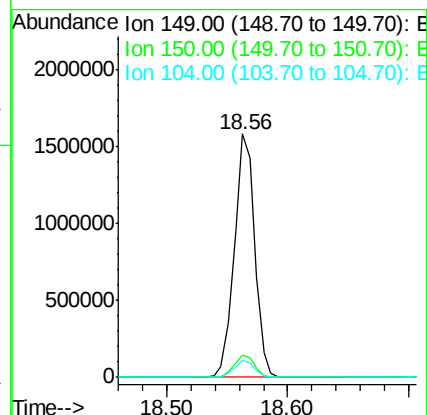
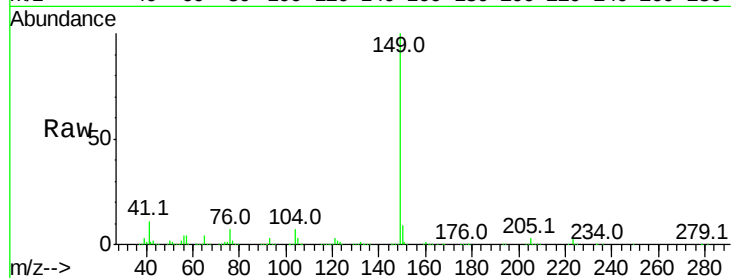




#73  
Di-n-butylphthalate  
Concen: 41.419 ng  
RT: 18.56 min Scan# 2597  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

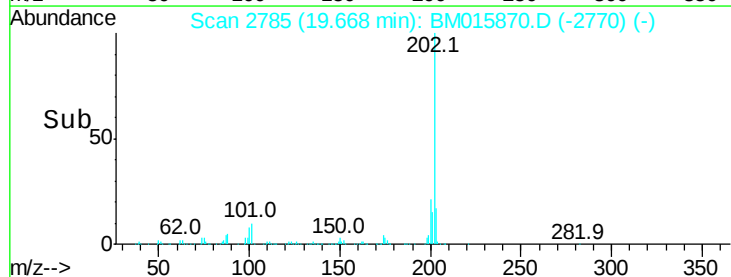
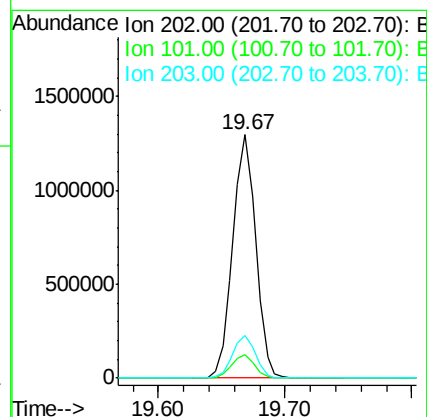
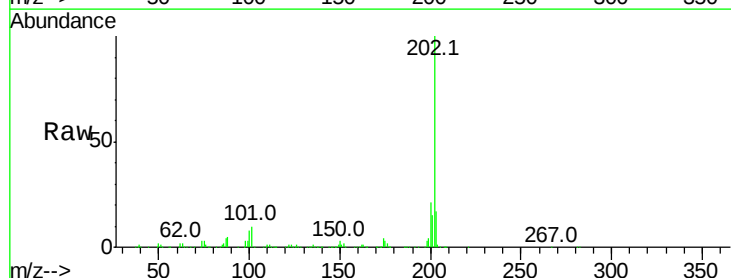
Instrument :  
BNA\_M  
ClientSampleId :

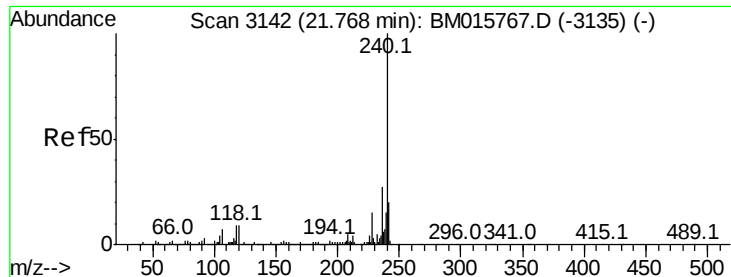
Tot Ion:149 Resp: 1847980  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 6.8 3.7 5.5#



#74  
Fluoranthene  
Concen: 38.899 ng  
RT: 19.67 min Scan# 2785  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:202 Resp: 1617538  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 28.7  
203 17.4 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

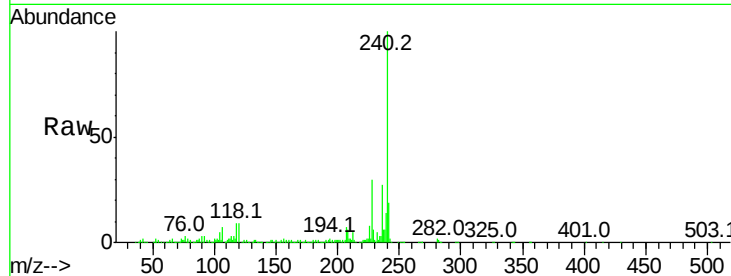
Tot Ion:240 Resp: 640228

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

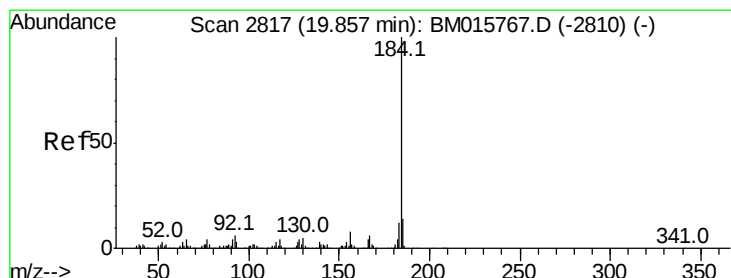
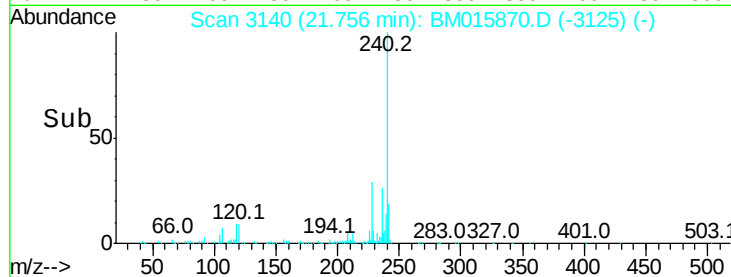
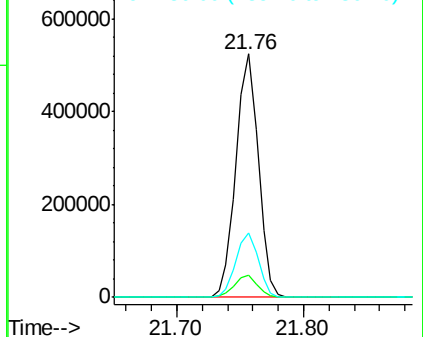
236 26.5 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.853 ng

RT: 19.84 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

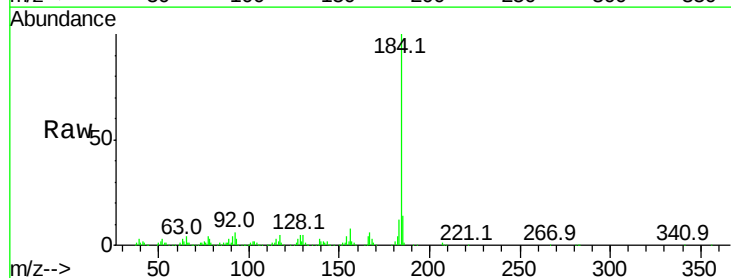
Tgt Ion:184 Resp: 672539

Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

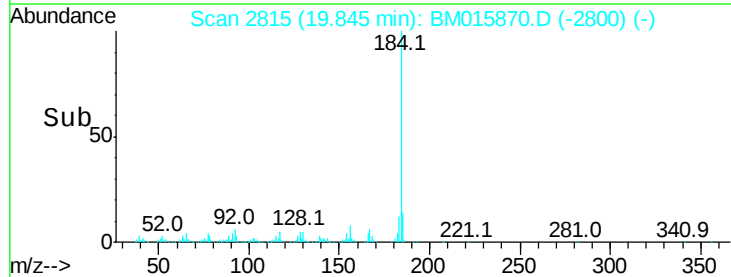
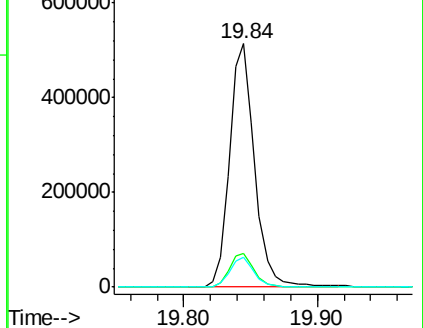
183 12.4 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

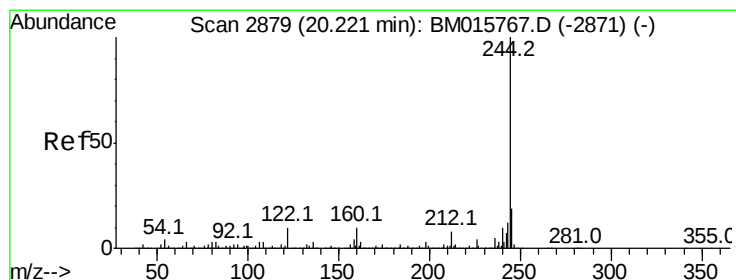
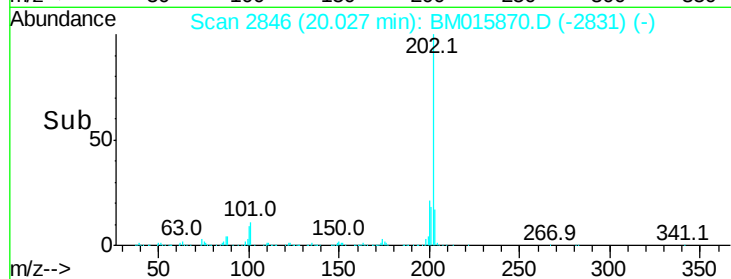
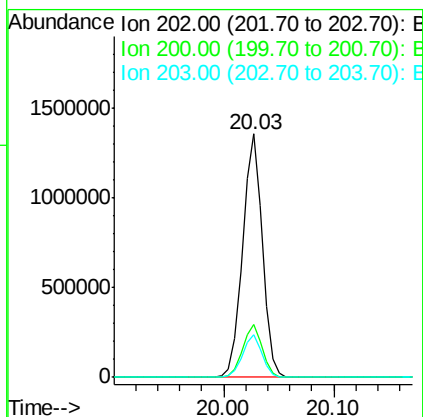
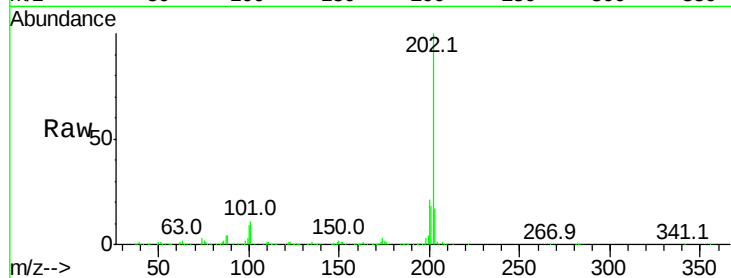




#77  
Pvrene  
Concen: 42.579 ng  
RT: 20.03 min Scan# 2846  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

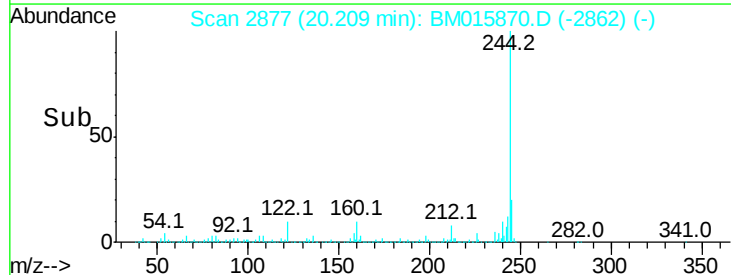
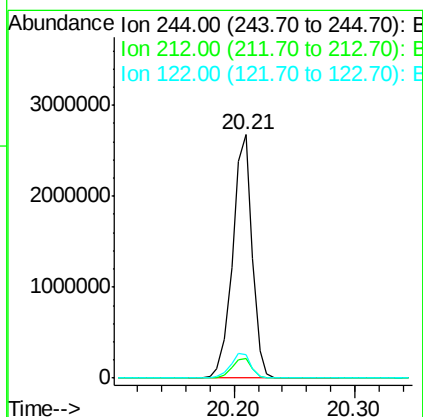
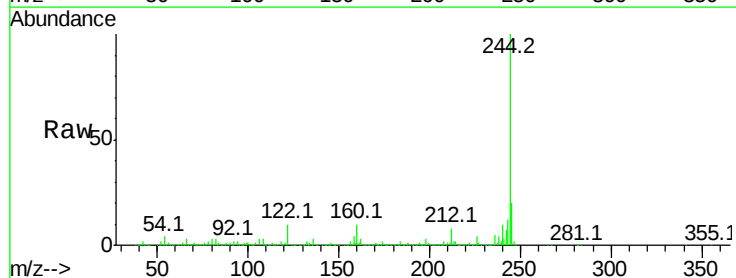
Instrument :  
BNA\_M  
ClientSampleId :

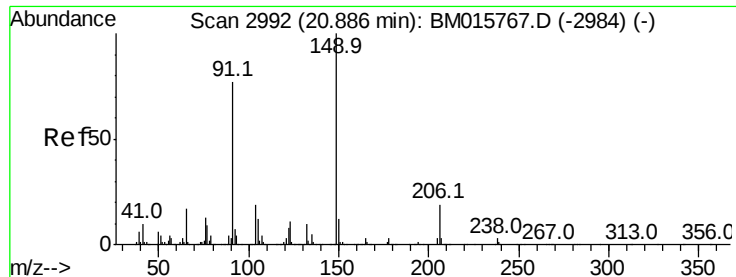
Tot Ion:202 Resp: 1698080  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.9 25.3  
203 17.5 14.1 21.1



#78  
Terphenyl-d14  
Concen: 42.579 ng  
RT: 20.21 min Scan# 2877  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:244 Resp: 2998222  
Ion Ratio Lower Upper  
244 100  
212 8.2 4.9 7.3#  
122 9.8 6.2 9.4#

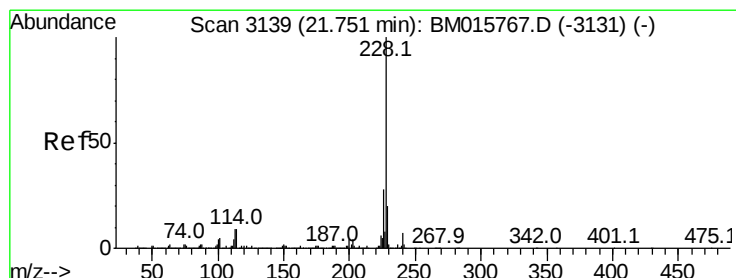
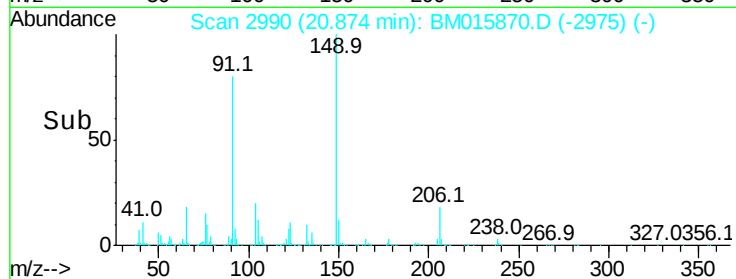
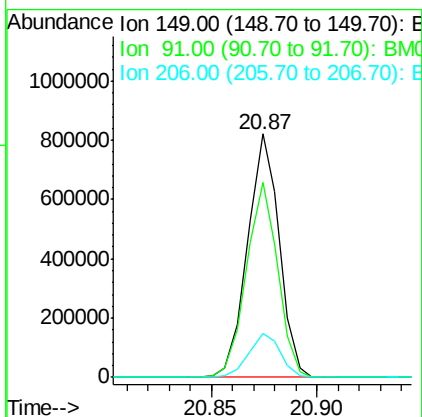
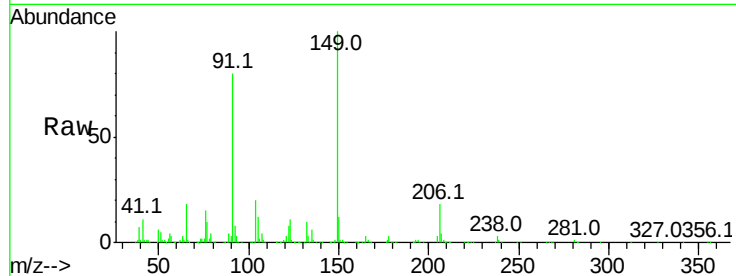




#79  
Butylbenzylphthalate  
Concen: 44.424 ng  
RT: 20.87 min Scan# 2990  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

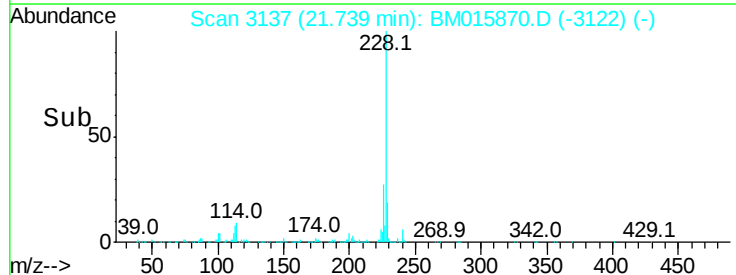
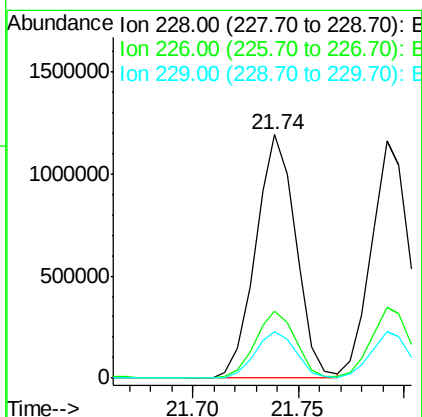
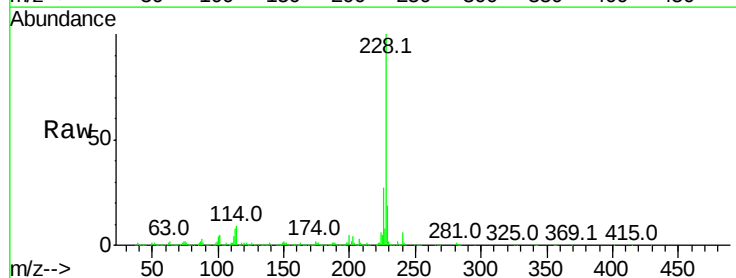
Instrument :  
BNA\_M  
ClientSampled :

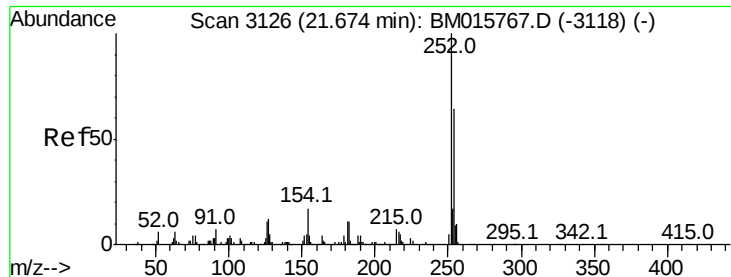
Tot Ion:149 Resp: 856401  
Ion Ratio Lower Upper  
149 100  
91 80.0 50.1 75.1#  
206 18.0 16.2 24.2



#80  
Benzo(a)anthracene  
Concen: 38.867 ng  
RT: 21.74 min Scan# 3137  
Delta R.T. -0.01 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:228 Resp: 1577691  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 19.4 16.0 24.0

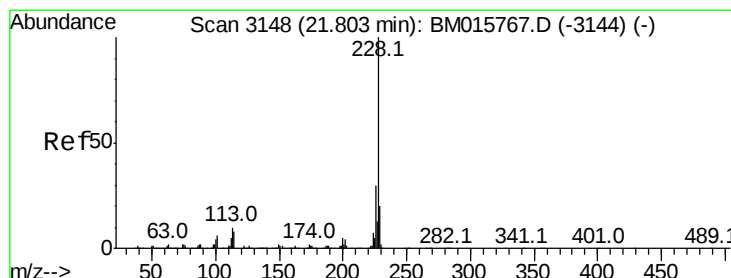
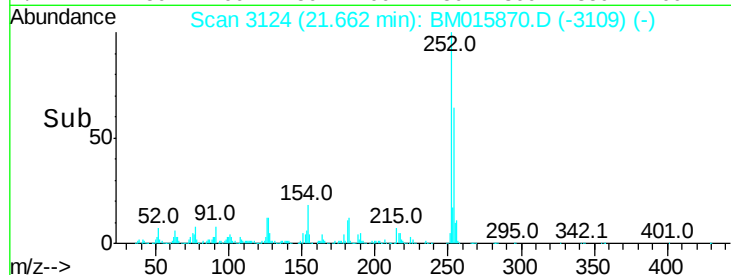
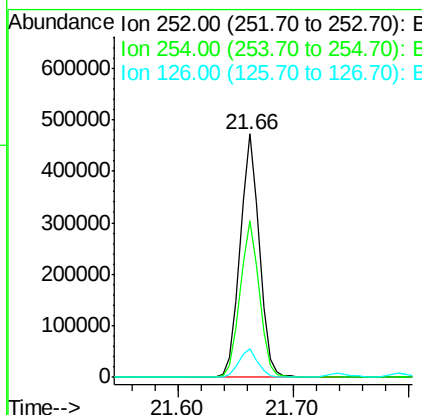
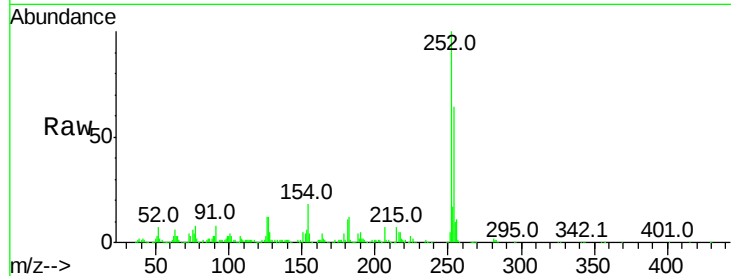




#81  
 3,3'-Dichlorobenzidine  
 Concen: 37.385 ng  
 RT: 21.66 min Scan# 3124  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

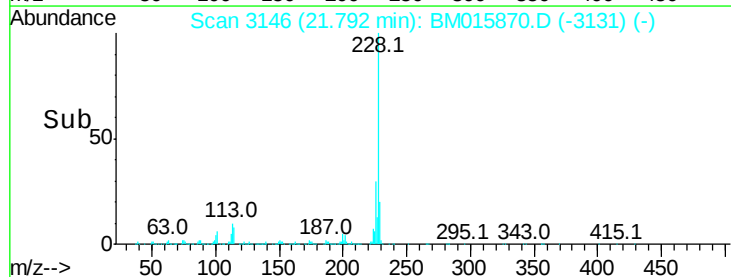
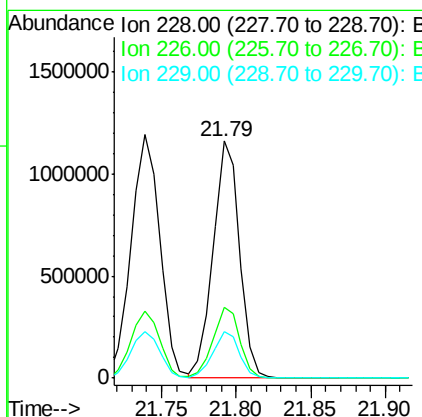
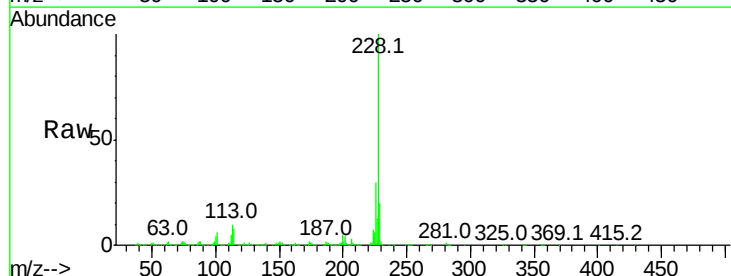
Instrument :  
 BNA\_M  
 ClientSampleId :

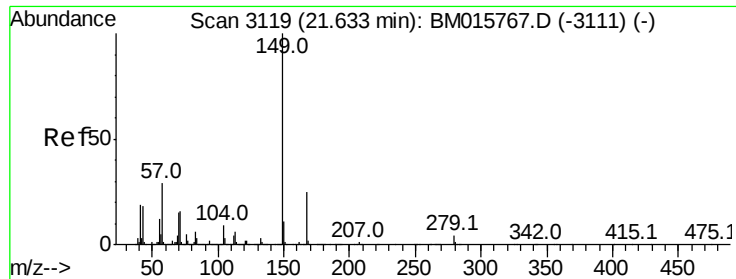
Tot Ion:252 Resp: 545246  
 Ion Ratio Lower Upper  
 252 100  
 254 64.3 51.9 77.9  
 126 11.9 9.8 14.8



#82  
 Chrysene  
 Concen: 37.985 ng  
 RT: 21.79 min Scan# 3146  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:228 Resp: 1436334  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 24.1 36.1  
 229 19.8 15.5 23.3

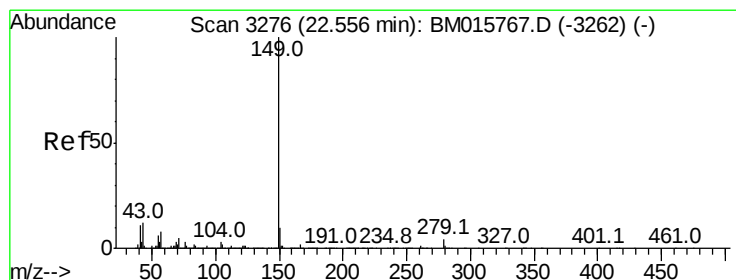
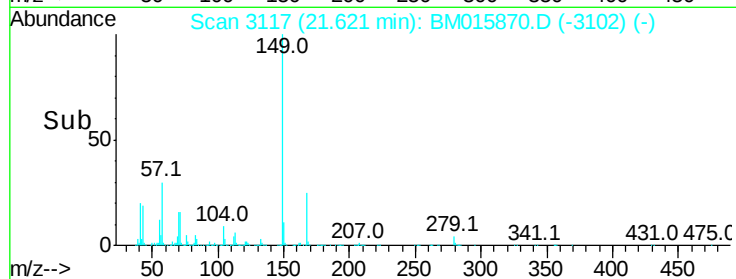
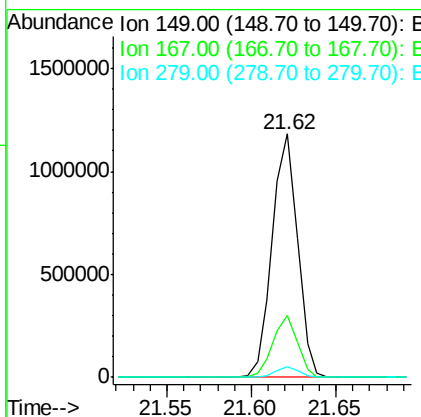
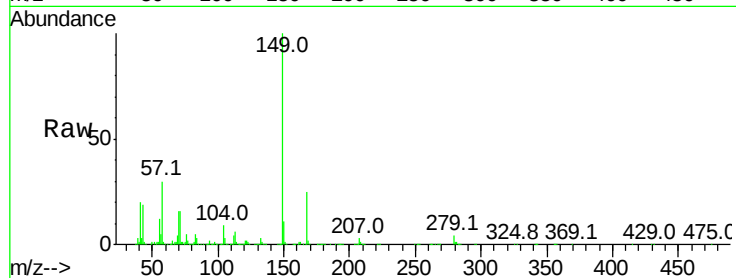




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.758 ng  
 RT: 21.62 min Scan# 3117  
 Delta R.T. -0.01 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

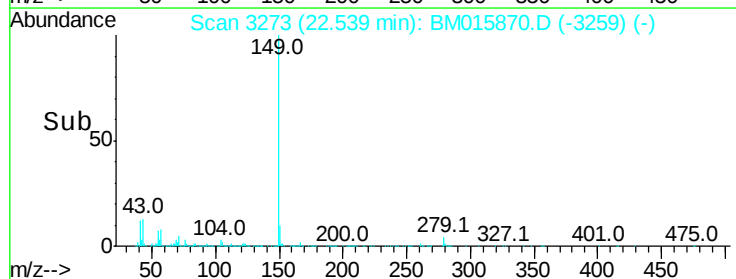
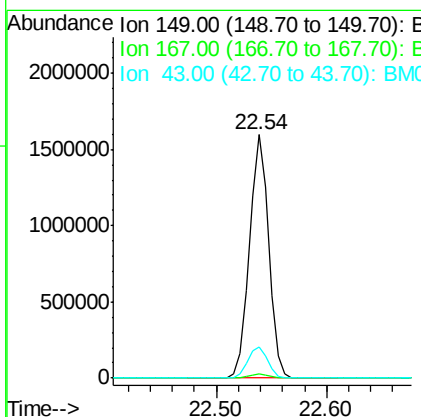
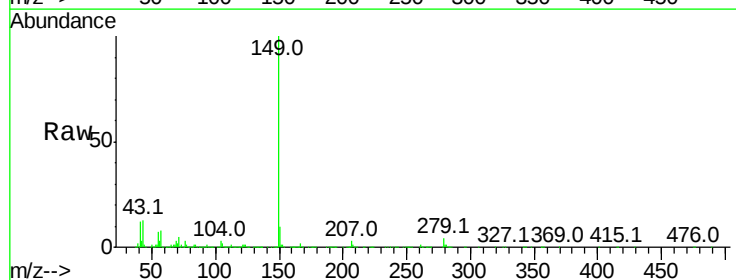
Instrument :  
 BNA\_M  
 ClientSampleId :

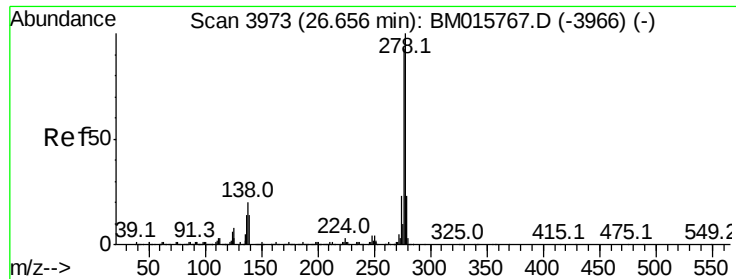
Tot Ion:149 Resp: 1217920  
 Ion Ratio Lower Upper  
 149 100  
 167 25.5 22.4 33.6  
 279 4.1 3.4 5.0



#84  
 Di-n-octyl phthalate  
 Concen: 42.025 ng  
 RT: 22.54 min Scan# 3273  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:149 Resp: 1951898  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.2 1.8  
 43 13.4 7.3 10.9#

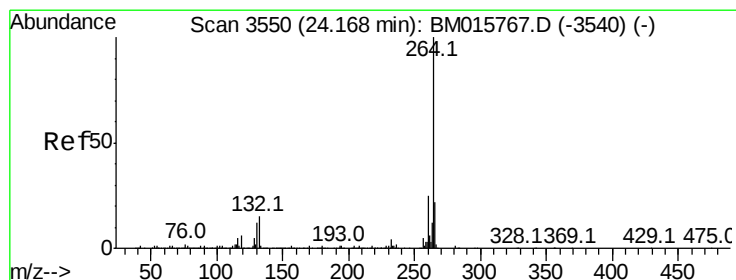
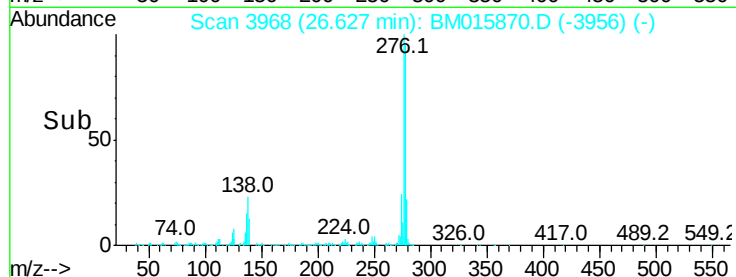
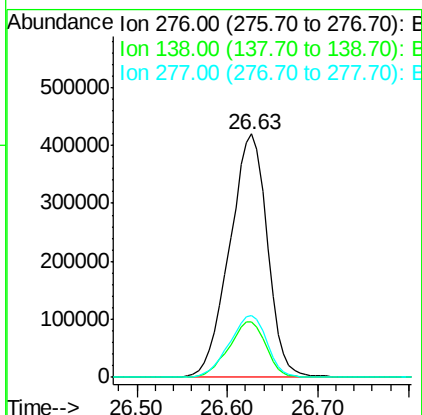
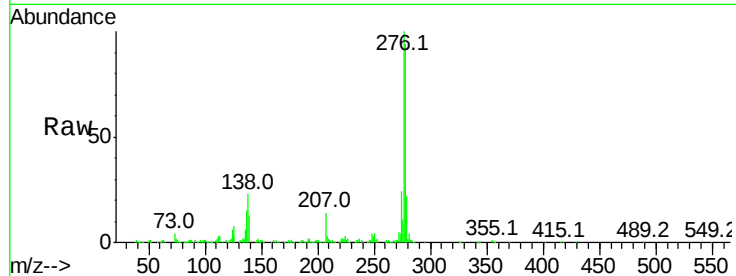




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 34.224 ng  
 RT: 26.63 min Scan# 3968  
 Delta R.T. -0.03 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

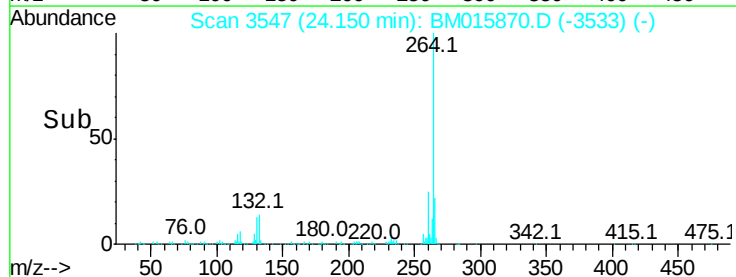
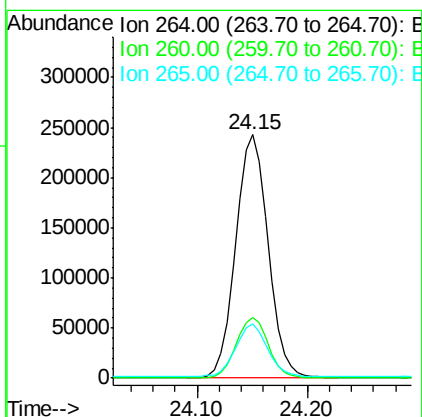
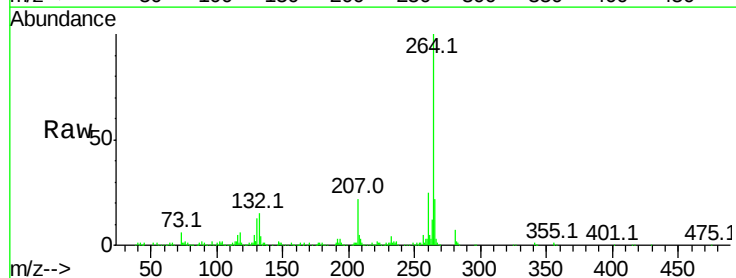
Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:276 Resp: 1202348  
 Ion Ratio Lower Upper  
 276 100  
 138 22.8 12.0 18.0#  
 277 25.5 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.15 min Scan# 3547  
 Delta R.T. -0.02 min  
 Lab File: BM015870.D  
 Acq: 10 Jul 2018 16:26

Tgt Ion:264 Resp: 503130  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 18.6 27.8  
 265 22.4 17.3 25.9

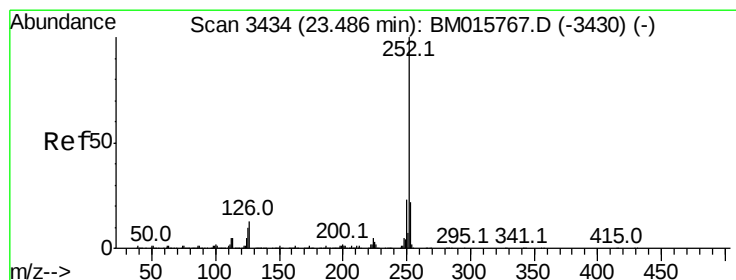
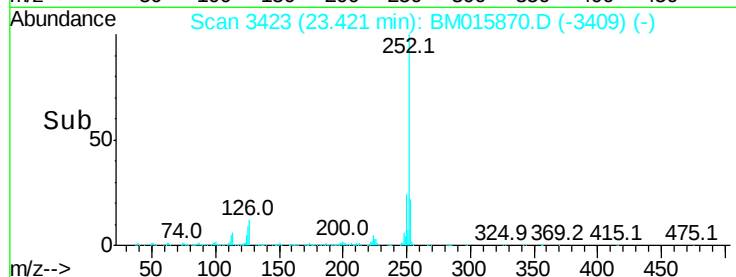
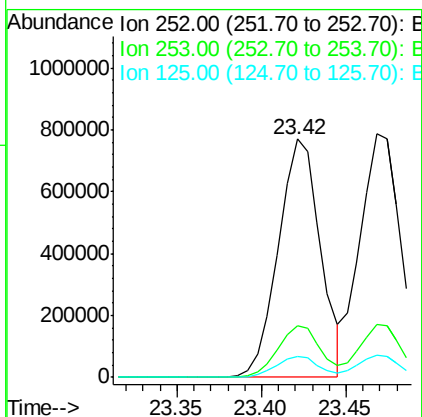
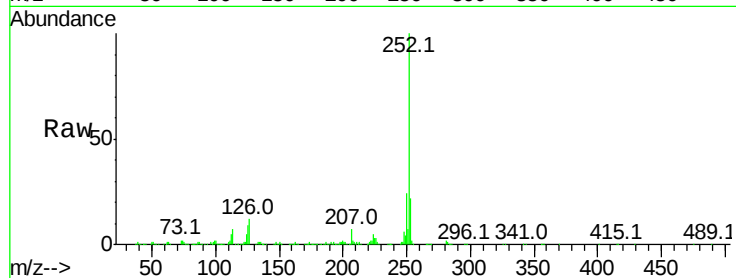




#87  
Benzo(b)fluoranthene  
Concen: 39.611 ng  
RT: 23.42 min Scan# 3423  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

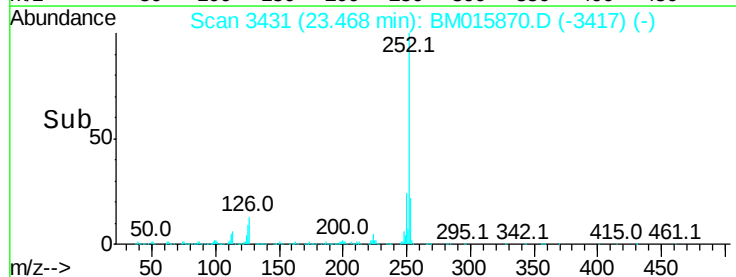
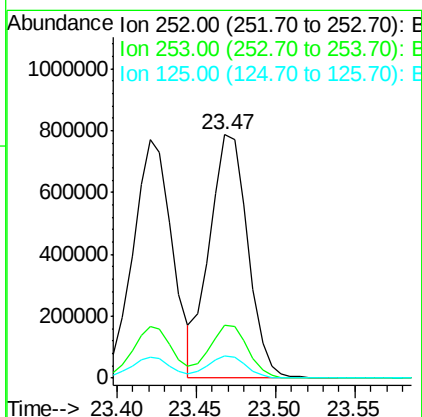
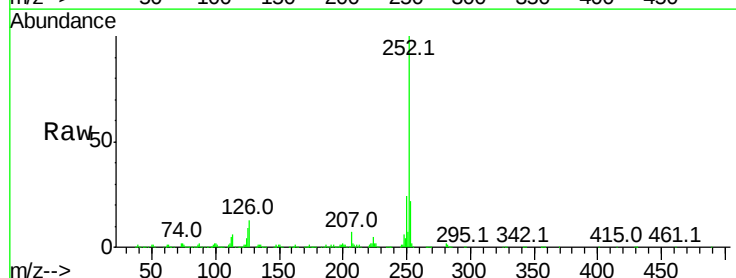
Instrument :  
BNA\_M  
ClientSampleId :

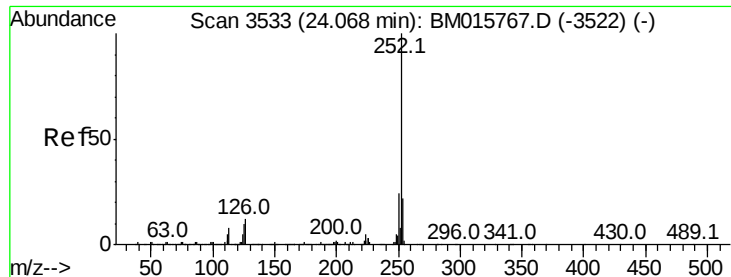
Tot Ion:252 Resp: 1330597  
Ion Ratio Lower Upper  
252 100  
253 21.7 18.0 27.0  
125 9.0 9.9 14.9#



#88  
Benzo(k)fluoranthene  
Concen: 40.506 ng  
RT: 23.47 min Scan# 3431  
Delta R.T. -0.02 min  
Lab File: BM015870.D  
Acq: 10 Jul 2018 16:26

Tgt Ion:252 Resp: 1321752  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.2 25.8  
125 9.0 8.1 12.1





#89

Benzo(a)pyrene

Concen: 39.061 ng

RT: 24.05 min Scan# 3530

Delta R.T. -0.02 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

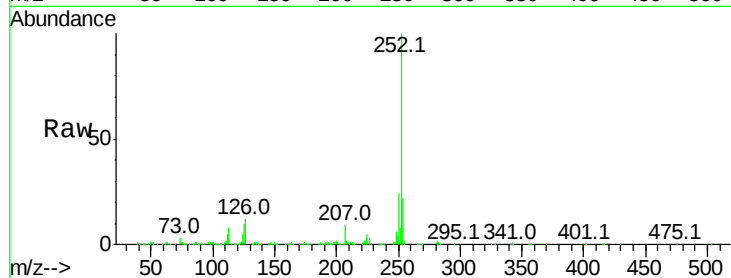
Tot Ion:252 Resp: 1155002

Ion Ratio Lower Upper

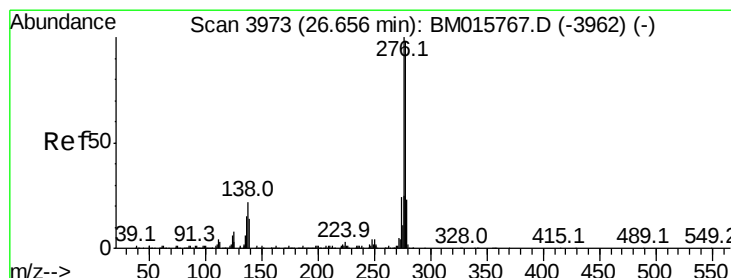
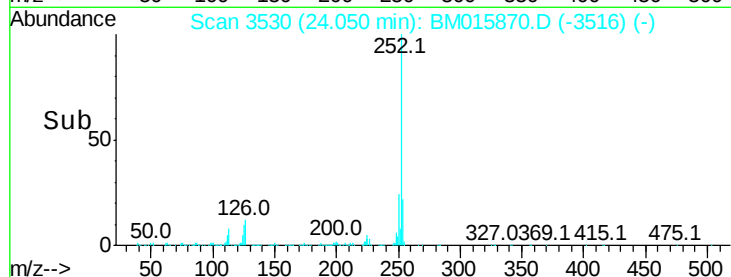
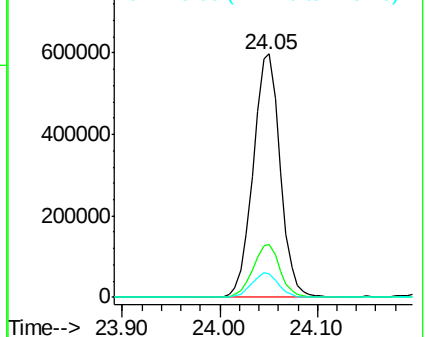
252 100

253 21.8 17.6 26.4

125 9.7 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 39.304 ng

RT: 26.63 min Scan# 3968

Delta R.T. -0.03 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

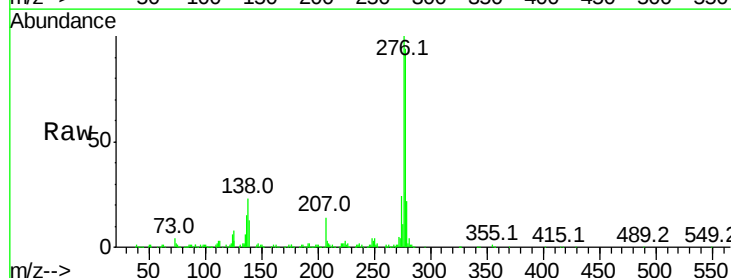
Tgt Ion:278 Resp: 1045656

Ion Ratio Lower Upper

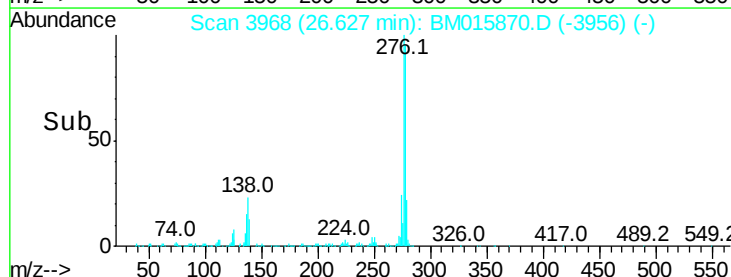
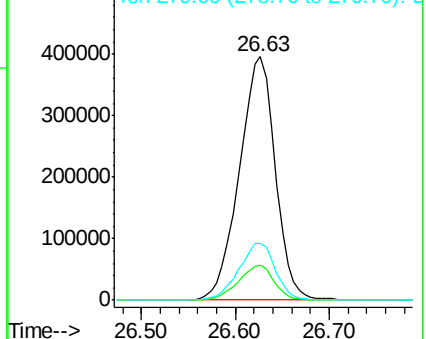
278 100

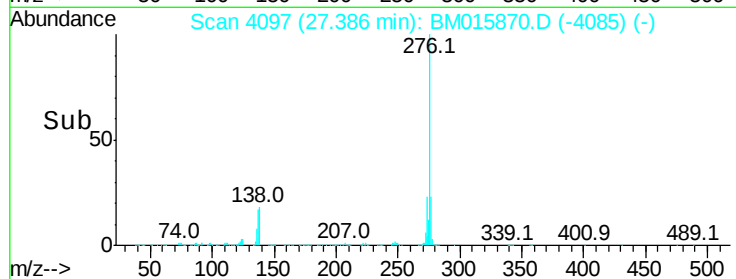
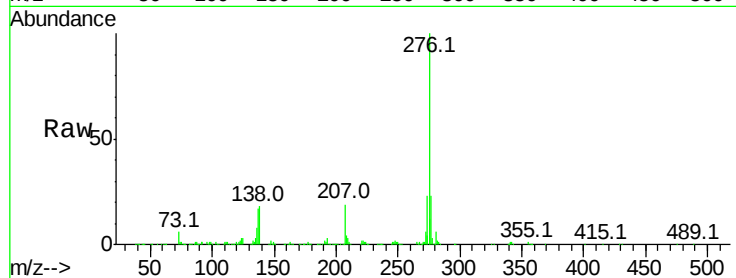
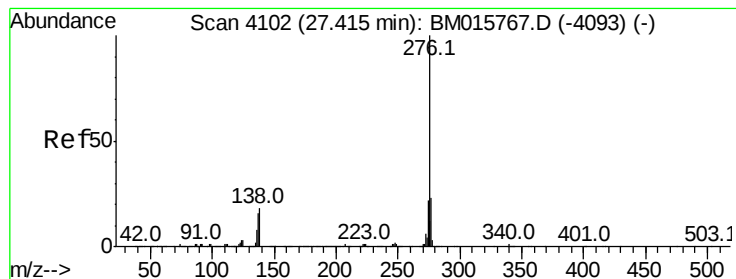
139 14.2 13.4 20.0

279 23.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 39.647 ng

RT: 27.39 min Scan# 4097

Delta R.T. -0.03 min

Lab File: BM015870.D

Acq: 10 Jul 2018 16:26

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:276 Resp: 926778

Ion Ratio Lower Upper

276 100

277 23.2 18.5 27.7

138 18.4 19.0 28.6#

