

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041018\  
 Data File : BM014691.D  
 Acq On : 10 Apr 2018 17:21  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 10 17:58:23 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 10 01:36:38 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 425116   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.42 | 136  | 1822720  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.17 | 164  | 1017281  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.88 | 188  | 2125103  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.97 | 240  | 1809024  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.48 | 264  | 1548694  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.69  | 96  | 77229   | 8.74  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.69  | 99  | 697336  | 20.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.87  | 67  | 449652  | 21.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.09  | 132 | 572530  | 20.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.27  | 113 | 574975  | 20.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.75  | 128 | 266804  | 22.76 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.49 | 143 | 243229  | 23.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.02 | 165 | 550914  | 20.47 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.54 | 131 | 748494  | 24.60 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.56 | 166 | 1630134 | 20.28 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.87 | 160 | 2077619 | 20.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.32 | 143 | 279752  | 21.45 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.14 | 176 | 1418583 | 20.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.24 | 200 | 191712  | 21.13 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.98 | 188 | 2074842 | 20.73 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.21 | 212 | 2027108 | 22.08 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.31 | 264 | 1569108 | 20.63 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.73  | 88  | 80123   | 8.421  | ng/uL 98  |
| 4) Benzaldehyde                | 7.69  | 77  | 444650  | 22.940 | ng/ul 94  |
| 6) Phenol                      | 7.72  | 94  | 697109  | 21.056 | ng/ul 93  |
| 8) Bis(2-Chloroethyl)ether     | 7.97  | 93  | 551252  | 21.066 | ng/ul# 87 |
| 10) 2-Chlorophenol             | 8.12  | 128 | 563718  | 20.408 | ng/ul# 91 |
| 11) 2-Methylphenol             | 9.00  | 108 | 515431  | 20.445 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.10  | 45  | 1033277 | 21.303 | ng/ul# 82 |
| 14) Acetophenone               | 9.40  | 105 | 872950  | 21.308 | ng/ul# 88 |
| 15) N-Nitroso-di-n-propylamine | 9.38  | 70  | 445111  | 20.307 | ng/ul# 75 |
| 16) 4-Methylphenol             | 9.33  | 108 | 561756  | 20.733 | ng/ul 98  |
| 17) Hexachloroethane           | 9.68  | 117 | 227368  | 20.312 | ng/ul 95  |
| 20) Nitrobenzene               | 9.80  | 77  | 661052  | 22.114 | ng/ul 94  |
| 21) Isophorone                 | 10.32 | 82  | 1156502 | 19.814 | ng/ul 99  |
| 23) 2-Nitrophenol              | 10.52 | 139 | 277208  | 22.588 | ng/ul 90  |
| 24) 2,4-Dimethylphenol         | 10.55 | 107 | 640120  | 20.645 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.80 | 93  | 743853  | 20.712 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 11.05 | 162 | 521771  | 20.664 | ng/ul 98  |
| 28) Naphthalene                | 11.47 | 128 | 1837510 | 20.679 | ng/ul 100 |
| 30) 4-Chloroaniline            | 11.56 | 127 | 719634  | 24.744 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 11.75 | 225 | 335253  | 19.893 | ng/ul 99  |
| 32) Caprolactam                | 12.30 | 113 | 148591  | 19.655 | ng/ul# 49 |
| 33) 4-Chloro-3-methylphenol    | 12.64 | 107 | 555995  | 20.698 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 13.04 | 142 | 1316473 | 20.768 | ng/ul 100 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041018\  
 Data File : BM014691.D  
 Acq On : 10 Apr 2018 17:21  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

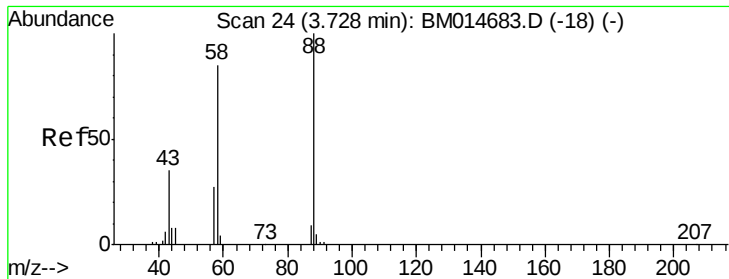
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Apr 10 17:58:23 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 10 01:36:38 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.39 | 216  | 649721   | 20.120 | ng/ul  | 100      |
| 37) Hexachlorocyclopentadiene  | 13.37 | 237  | 432904   | 20.117 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.62 | 196  | 393685   | 20.526 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.69 | 196  | 429654   | 21.385 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 14.02 | 154  | 1682542  | 20.653 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 14.07 | 162  | 1313925  | 20.812 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 14.25 | 65   | 356380   | 24.226 | ng/ul# | 82       |
| 44) Dimethylphthalate          | 14.60 | 163  | 1580319  | 20.405 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.73 | 165  | 298925   | 23.898 | ng/ul  | 95       |
| 47) Acenaphthylene             | 14.90 | 152  | 2006734  | 20.724 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 15.06 | 138  | 308355   | 24.404 | ng/ul  | 94       |
| 49) Acenaphthene               | 15.23 | 153  | 1404965  | 20.781 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 15.26 | 184  | 120696   | 22.296 | ng/ul# | 4        |
| 52) 4-Nitrophenol              | 15.33 | 109  | 217461   | 21.931 | ng/ul# | 88       |
| 53) Dibenzofuran               | 15.56 | 168  | 1929338  | 20.796 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 15.50 | 165  | 433484   | 24.007 | ng/ul# | 88       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.77 | 232  | 357140   | 20.895 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.94 | 149  | 1580062  | 20.392 | ng/ul  | 99       |
| 58) Fluorene                   | 16.20 | 166  | 1569638  | 20.770 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 16.19 | 204  | 790481   | 20.423 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 16.20 | 138  | 312207   | 21.875 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 16.26 | 198  | 205312   | 20.967 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 16.39 | 169  | 1314742  | 20.708 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 17.07 | 248  | 472886   | 19.849 | ng/ul  | 91       |
| 66) Hexachlorobenzene          | 17.19 | 284  | 538667   | 20.221 | ng/ul# | 90       |
| 67) Atrazine                   | 17.31 | 200  | 444385   | 20.095 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.52 | 266  | 268072   | 19.148 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.92 | 178  | 2368518  | 20.803 | ng/ul  | 99       |
| 71) Anthracene                 | 18.02 | 178  | 2412162  | 20.808 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.99 | 216  | 660183   | 20.263 | ng/uL  | 98       |
| 73) Pentachlorobenzene         | 15.48 | 250  | 644441   | 20.532 | ng/uL  | 100      |
| 74) Carbazole                  | 18.27 | 167  | 2039117  | 21.248 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.79 | 149  | 2392114  | 20.078 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.89 | 202  | 2474814  | 21.017 | ng/ul  | 100      |
| 79) Pvrene                     | 20.24 | 202  | 2513932  | 22.243 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 21.08 | 149  | 844228   | 21.341 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.87 | 252  | 715815   | 21.862 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.95 | 228  | 2185560  | 20.604 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.83 | 149  | 1107310  | 18.771 | ng/ul  | 98       |
| 84) Chrysene                   | 22.00 | 228  | 2039941  | 20.592 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.80 | 149  | 1633946  | 17.989 | ng/ul# | 88       |
| 87) Benzo(b)fluoranthene       | 23.71 | 252  | 1915747  | 20.619 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 23.76 | 252  | 1895699  | 21.202 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 24.37 | 252  | 1804084  | 20.746 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 27.09 | 276  | 2035054  | 20.867 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 27.10 | 278  | 1716360  | 20.988 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 27.89 | 276  | 1659825  | 20.934 | ng/ul  | 98       |

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





#2

1,4-Dioxane

Concen: 8.421 ng/uL

RT: 3.73 min Scan# 24

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

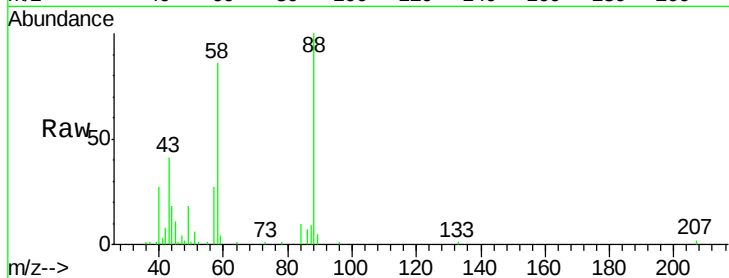
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 88 Resp: 80123

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 39.6  | 32.0  | 48.0  |
| 58  | 87.0  | 72.0  | 108.0 |

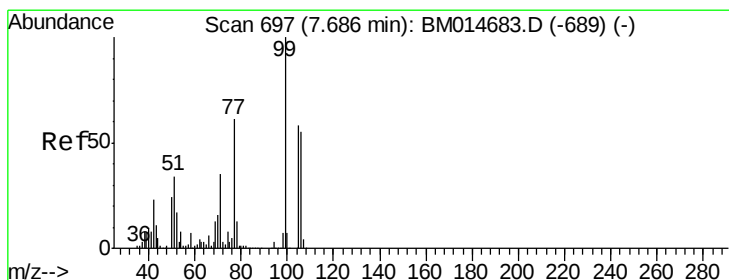
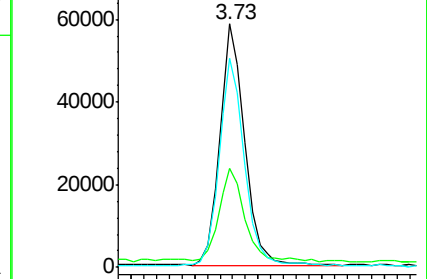
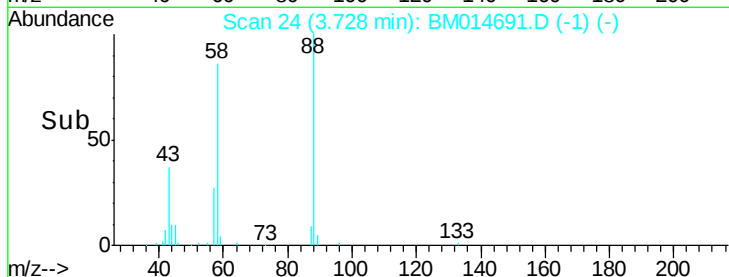


Abundance

Ion 88.00 (87.70 to 88.70): BM014683.D (-18) (-)

Ion 43.00 (42.70 to 43.70): BM014683.D (-18) (-)

Ion 58.00 (57.70 to 58.70): BM014683.D (-18) (-)



#4

Benzaldehyde

Concen: 22.940 ng/uL

RT: 7.69 min Scan# 697

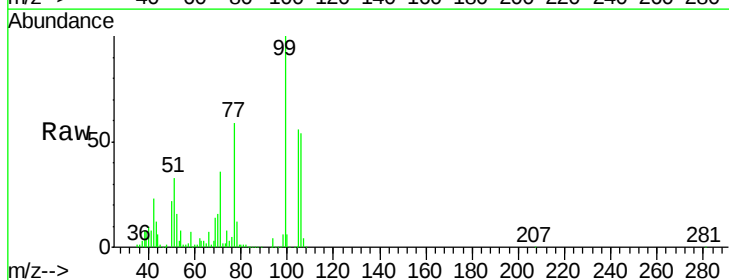
Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Tgt Ion: 77 Resp: 444650

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 95.1  | 80.6  | 120.8 |
| 106 | 91.0  | 77.7  | 116.5 |

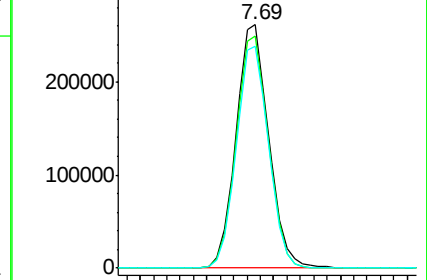
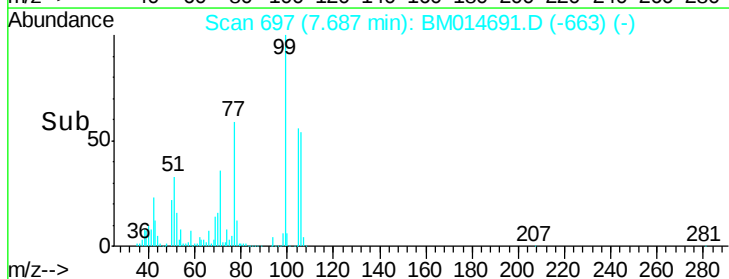


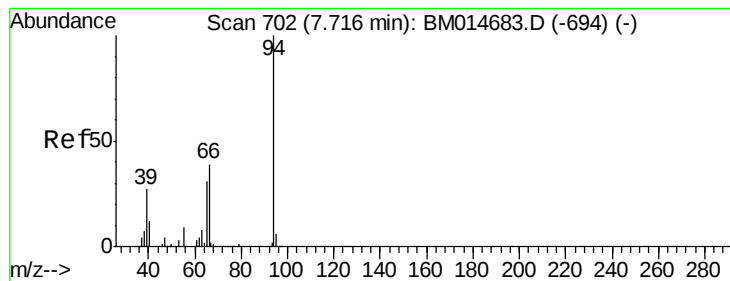
Abundance

Ion 77.00 (76.70 to 77.70): BM014683.D (-689) (-)

Ion 105.00 (104.70 to 105.70): BM014683.D (-689) (-)

Ion 106.00 (105.70 to 106.70): BM014683.D (-689) (-)





#6

Phenol

Concen: 21.056 ng/ul

RT: 7.72 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampled :

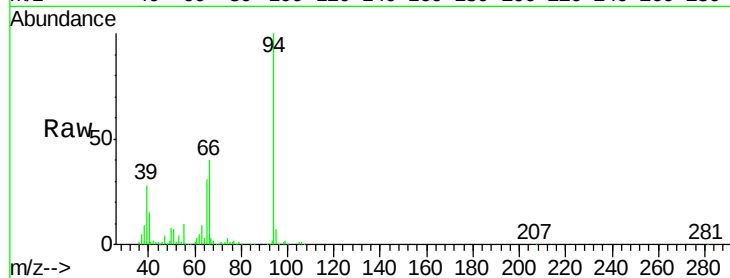
Tot Ion: 94 Resp: 697109

Ion Ratio Lower Upper

94 100

65 30.9 21.0 31.6

66 40.2 29.3 43.9

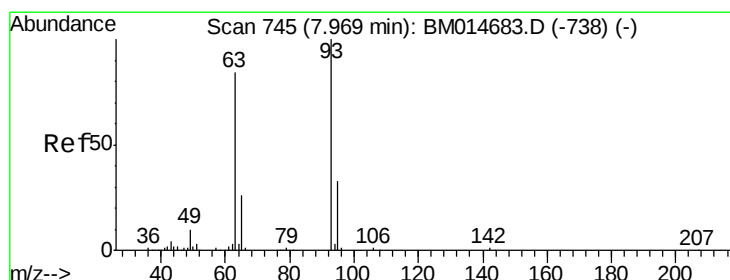
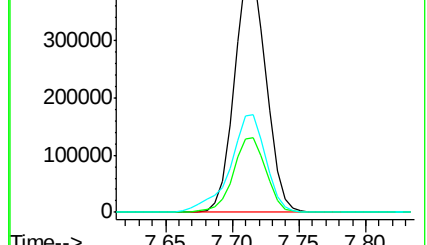
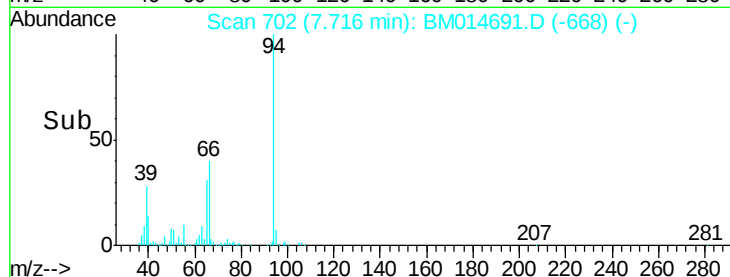


Abundance Ion 94.00 (93.70 to 94.70): BM014691.D (-711) (-)

Ion 65.00 (64.70 to 65.70): BM014691.D (-711) (-)

Ion 66.00 (65.70 to 66.70): BM014691.D (-711) (-)

7.72



#8

Bis(2-Chloroethyl)ether

Concen: 21.066 ng/ul

RT: 7.97 min Scan# 745

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

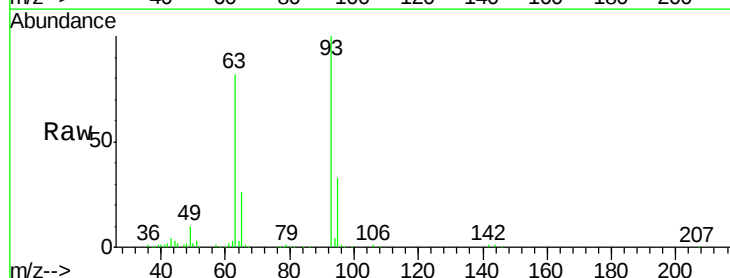
Tgt Ion: 93 Resp: 551252

Ion Ratio Lower Upper

93 100

63 82.0 53.5 80.3#

95 32.5 26.2 39.2

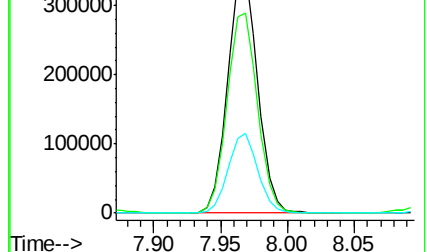
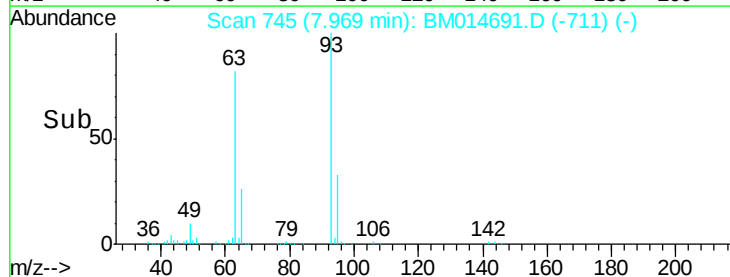


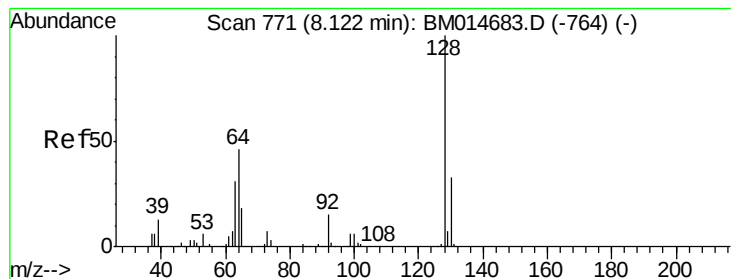
Abundance Ion 93.00 (92.70 to 93.70): BM014691.D (-711) (-)

Ion 63.00 (62.70 to 63.70): BM014691.D (-711) (-)

Ion 95.00 (94.70 to 95.70): BM014691.D (-711) (-)

7.97





#10

2-Chlorophenol

Concen: 20.408 ng/ul

RT: 8.12 min Scan# 771

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

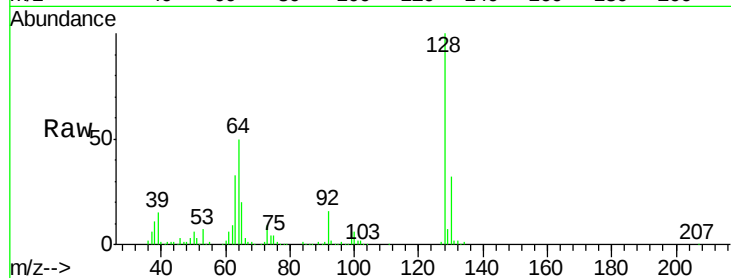
Tot Ion:128 Resp: 563718

Ion Ratio Lower Upper

128 100

64 49.8 31.9 47.9#

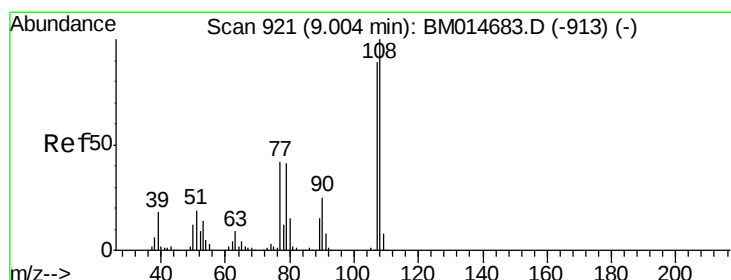
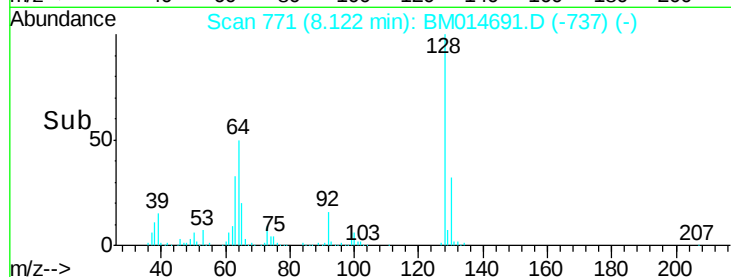
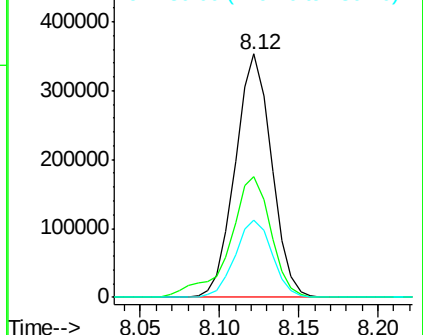
130 31.6 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 20.445 ng/ul

RT: 9.00 min Scan# 920

Delta R.T. -0.01 min

Lab File: BM014691.D

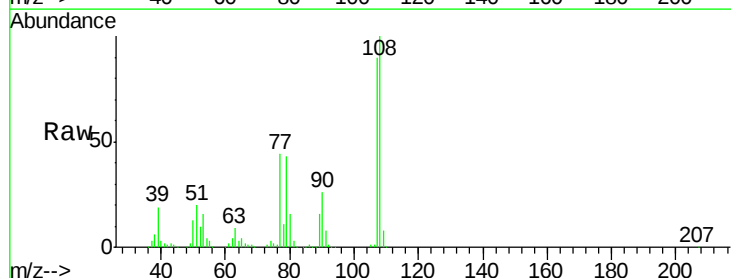
Acq: 10 Apr 2018 17:21

Tgt Ion:108 Resp: 515431

Ion Ratio Lower Upper

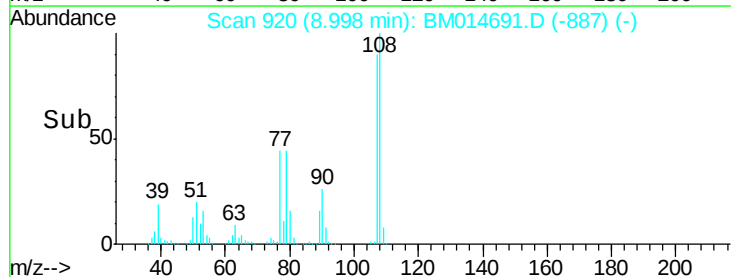
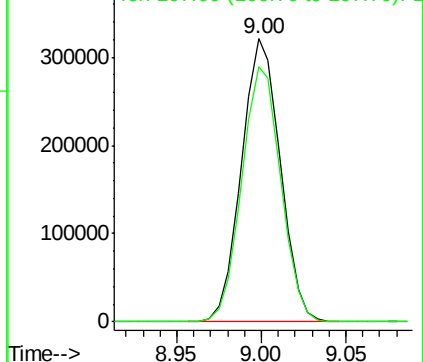
108 100

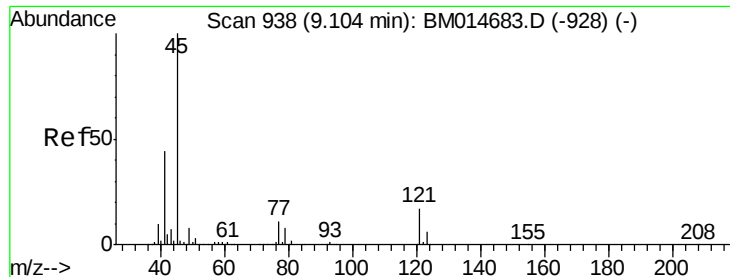
107 90.3 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

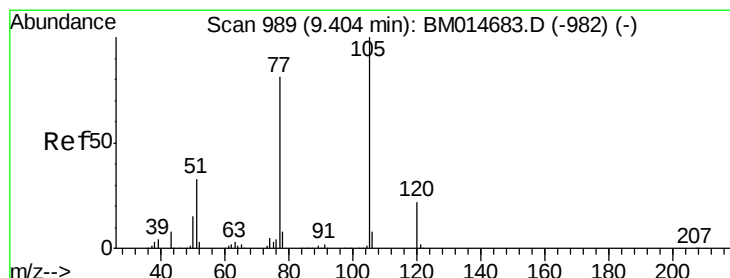
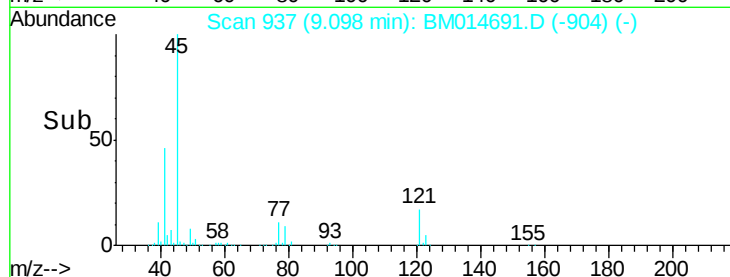
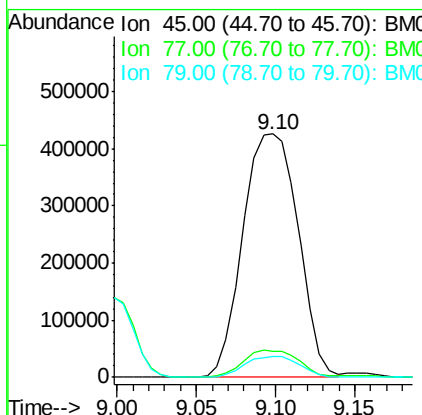
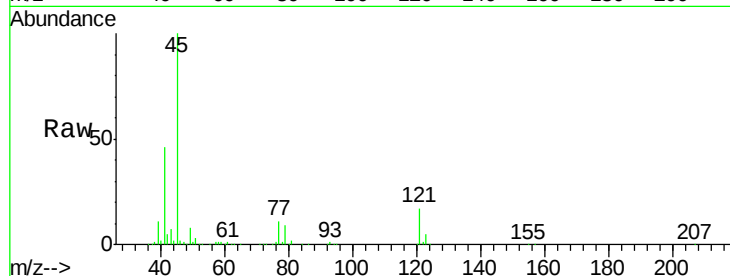




#12  
2,2'-oxvbis(1-Chloropropane)  
Concen: 21.303 ng/ul  
RT: 9.10 min Scan# 937  
Delta R.T. -0.01 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

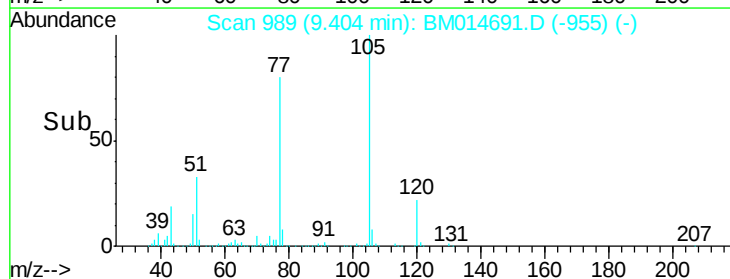
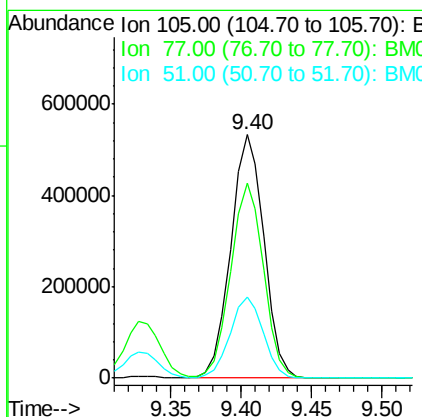
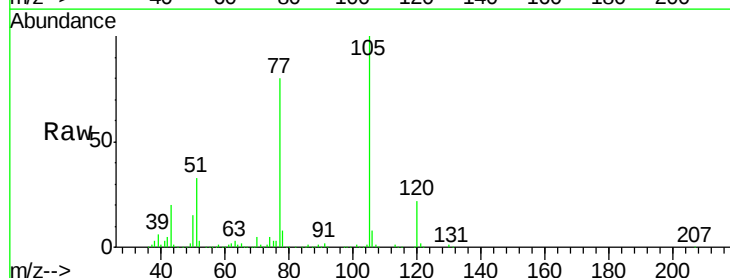
Instrument :  
BNA\_M  
ClientSampled :

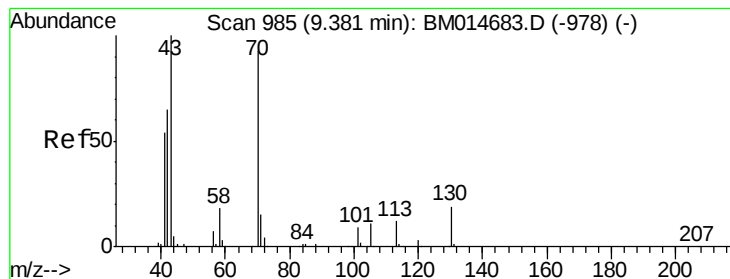
Tot Ion: 45 Resp: 1033277  
Ion Ratio Lower Upper  
45 100  
77 10.9 15.9 23.9#  
79 8.7 12.5 18.7#



#14  
Acetophenone  
Concen: 21.308 ng/ul  
RT: 9.40 min Scan# 989  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Tgt Ion:105 Resp: 872950  
Ion Ratio Lower Upper  
105 100  
77 79.9 59.0 88.4  
51 33.3 16.4 24.6#





#15

N-Nitroso-di-n-propylamine

Concen: 20.307 ng/ul

RT: 9.38 min Scan# 985

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 70 Resp: 445111

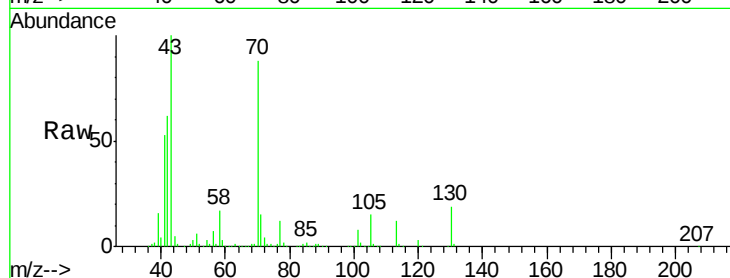
Ion Ratio Lower Upper

70 100

42 70.6 35.4 53.0#

101 9.2 8.4 12.6

130 21.3 18.2 27.4

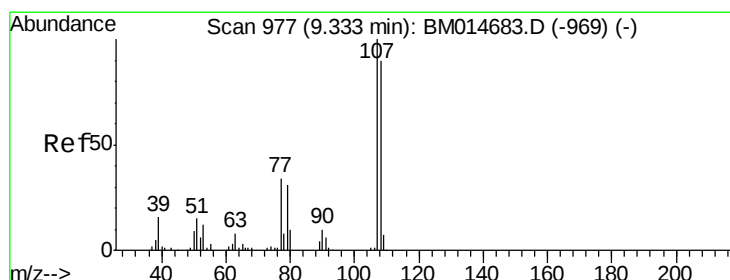
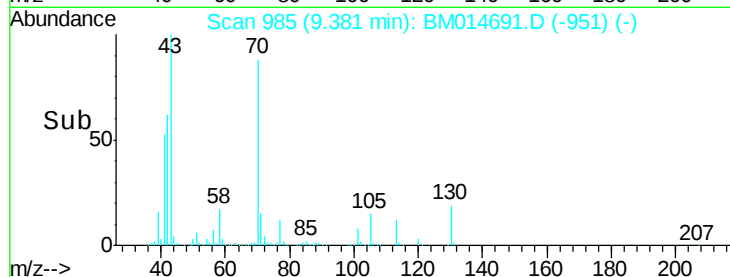
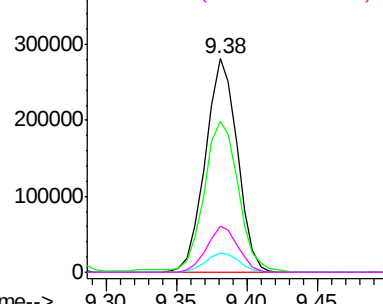


Abundance Ion 70.00 (69.70 to 70.70): BM014691.D (-951) (-)

Ion 42.00 (41.70 to 42.70): BM014691.D (-951) (-)

Ion 101.00 (100.70 to 101.70): BM014691.D (-951) (-)

Ion 130.00 (129.70 to 130.70): BM014691.D (-951) (-)



#16

4-Methylphenol

Concen: 20.733 ng/ul

RT: 9.33 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM014691.D

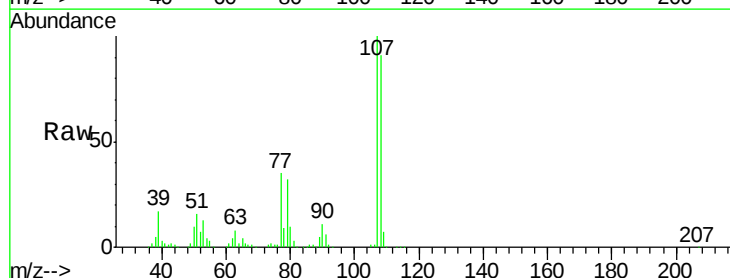
Acq: 10 Apr 2018 17:21

Tgt Ion: 108 Resp: 561756

Ion Ratio Lower Upper

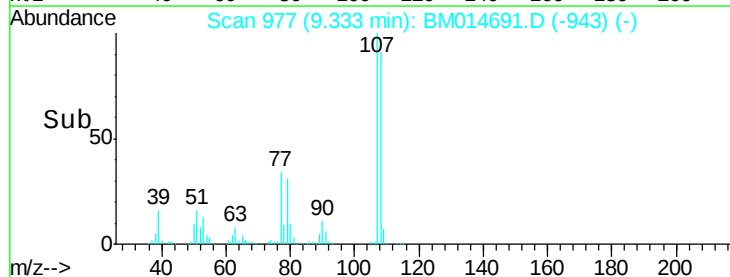
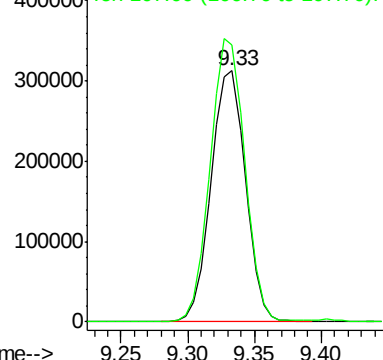
108 100

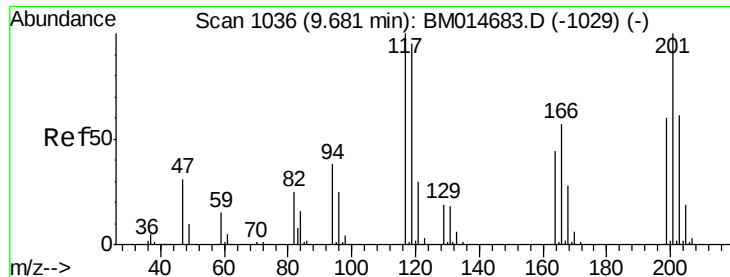
107 110.3 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): BM014691.D (-943) (-)

Ion 107.00 (106.70 to 107.70): BM014691.D (-943) (-)

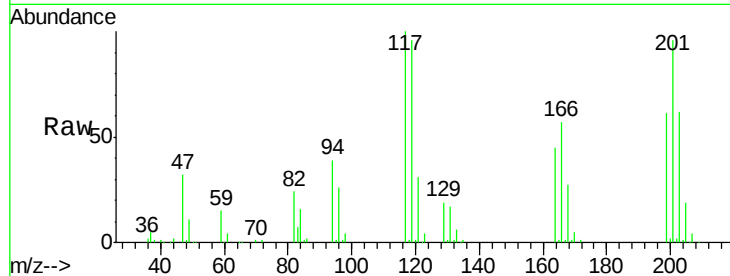




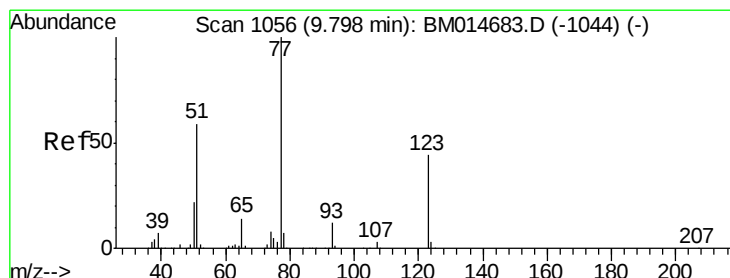
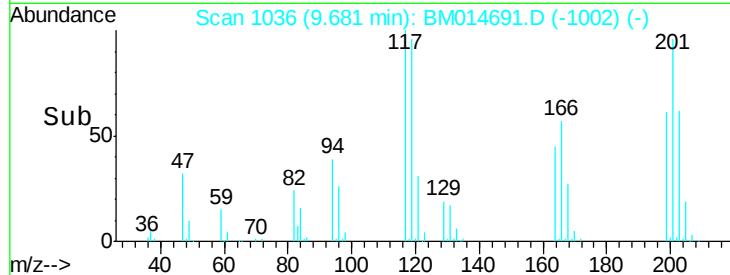
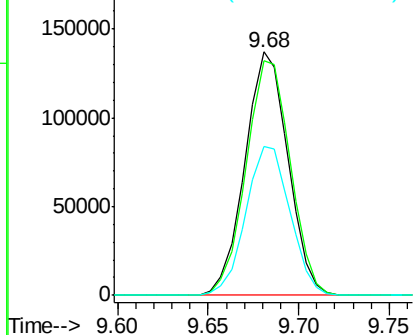
#17  
Hexachloroethane  
Concen: 20.312 ng/ul  
RT: 9.68 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:117 Resp: 227368  
Ion Ratio Lower Upper  
117 100  
201 96.3 81.5 122.3  
199 60.9 50.6 76.0

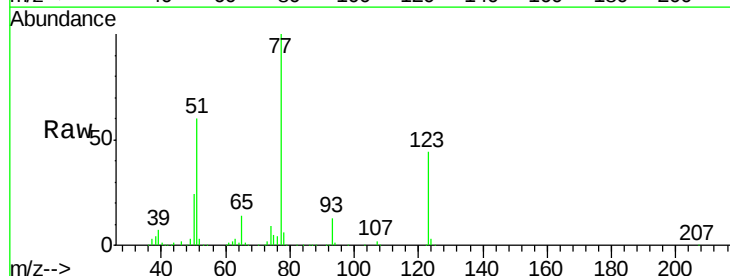


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

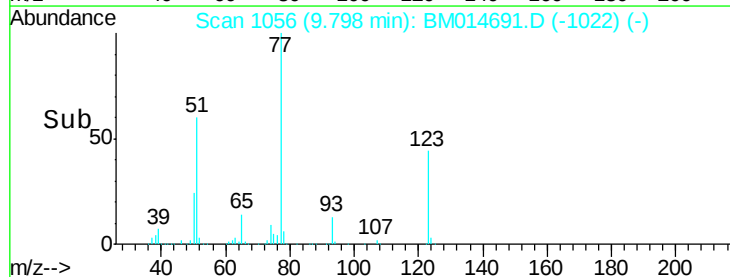
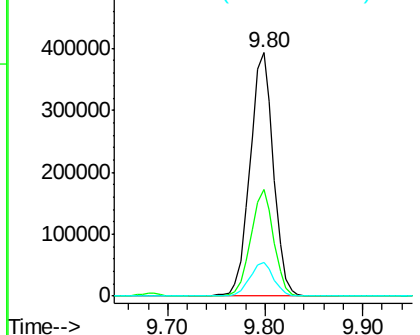


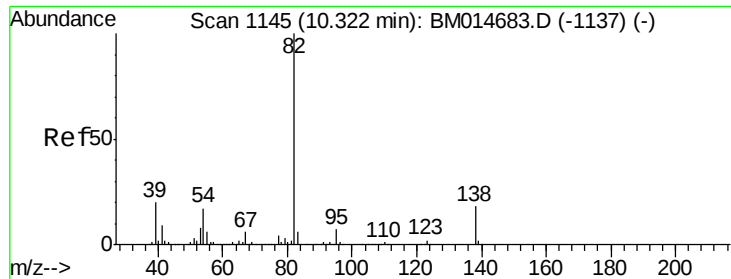
#20  
Nitrobenzene  
Concen: 22.114 ng/ul  
RT: 9.80 min Scan# 1056  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Tgt Ion: 77 Resp: 661052  
Ion Ratio Lower Upper  
77 100  
123 43.6 39.0 58.4  
65 13.7 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BM0  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 19.814 ng/ul

RT: 10.32 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

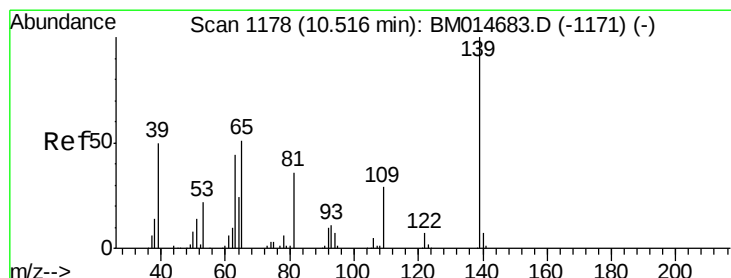
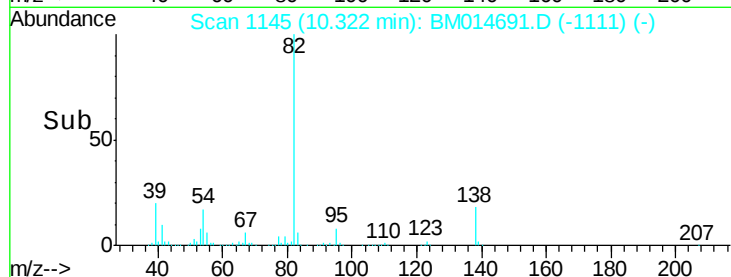
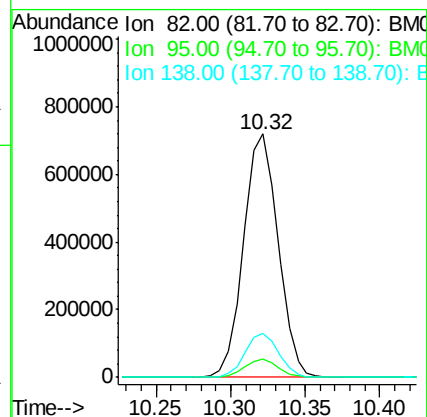
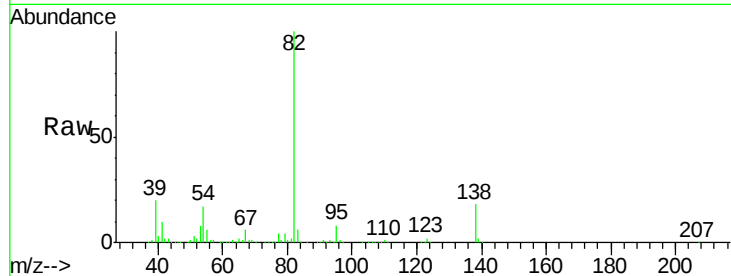
Tot Ion: 82 Resp: 1156502

Ion Ratio Lower Upper

82 100

95 7.7 6.4 9.6

138 18.1 14.9 22.3



#23

2-Nitrophenol

Concen: 22.588 ng/ul

RT: 10.52 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

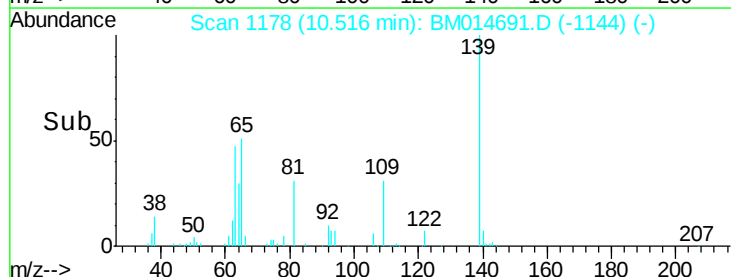
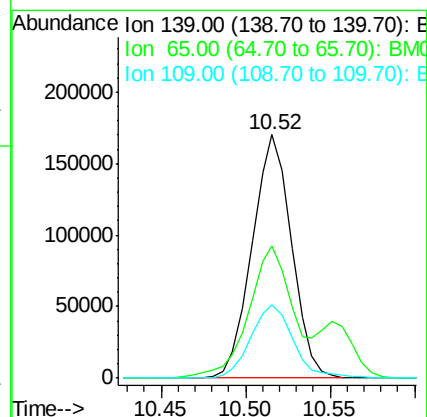
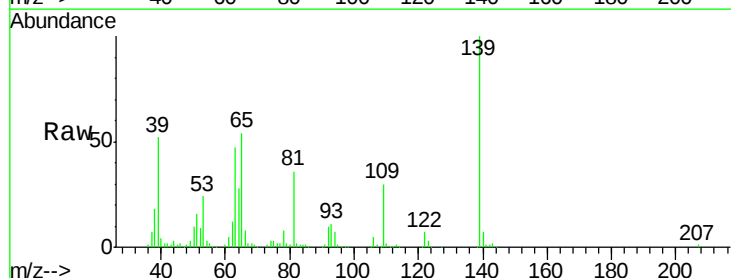
Tgt Ion: 139 Resp: 277208

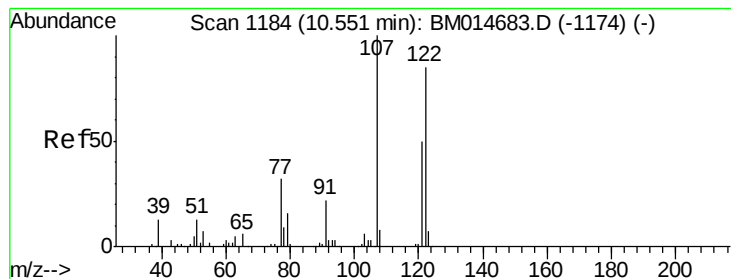
Ion Ratio Lower Upper

139 100

65 54.2 36.3 54.5

109 29.9 26.4 39.6





#24

2,4-Dimethylphenol

Concen: 20.645 ng/ul

RT: 10.55 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampled :

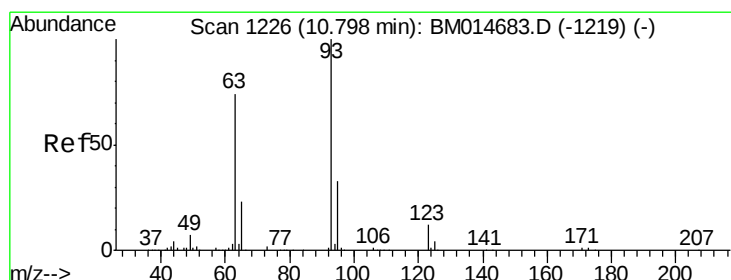
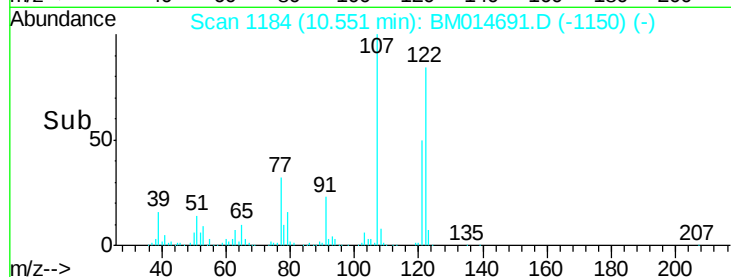
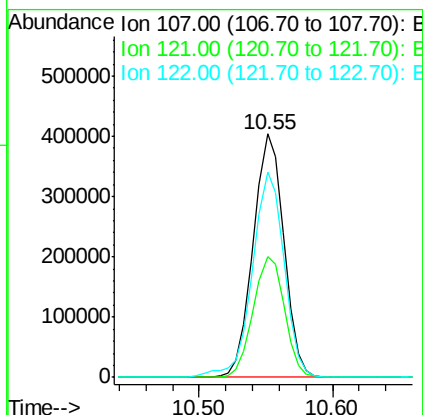
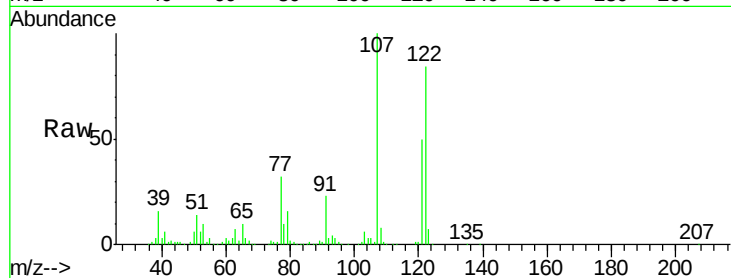
Tot Ion:107 Resp: 640120

Ion Ratio Lower Upper

107 100

121 49.6 40.6 61.0

122 84.5 67.8 101.6



#25

Bis(2-Chloroethoxy)methane

Concen: 20.712 ng/ul

RT: 10.80 min Scan# 1226

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

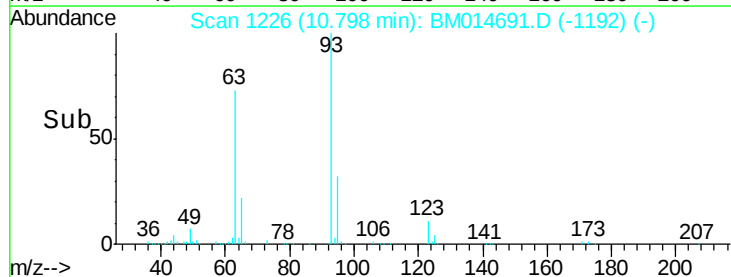
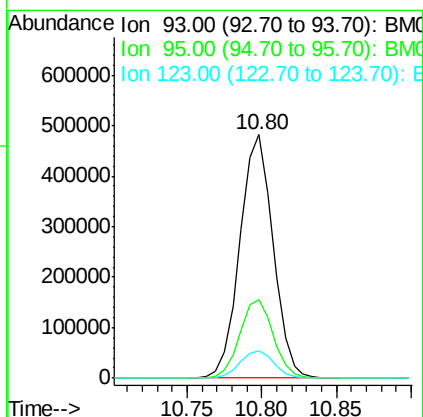
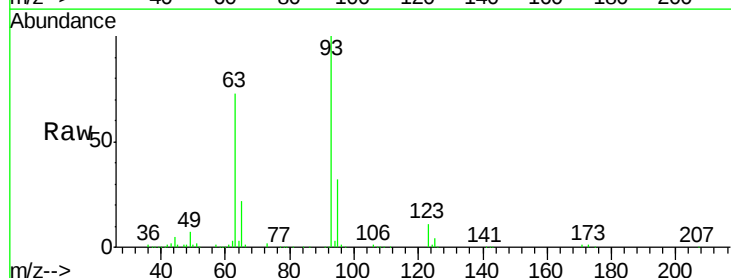
Tgt Ion: 93 Resp: 743853

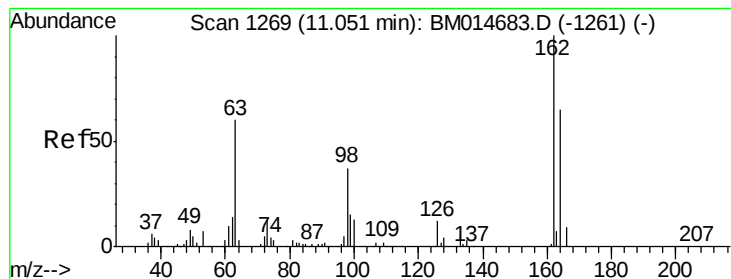
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.8

123 11.5 9.8 14.8





#27

2,4-Dichlorophenol

Concen: 20.664 ng/ul

RT: 11.05 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

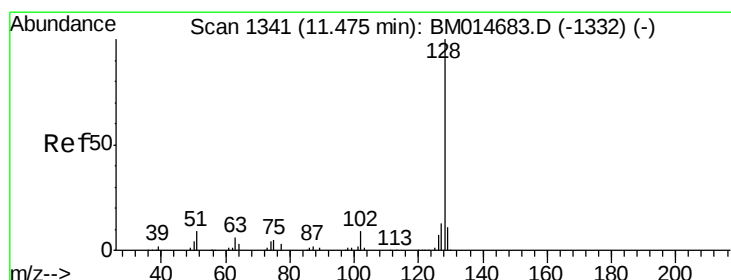
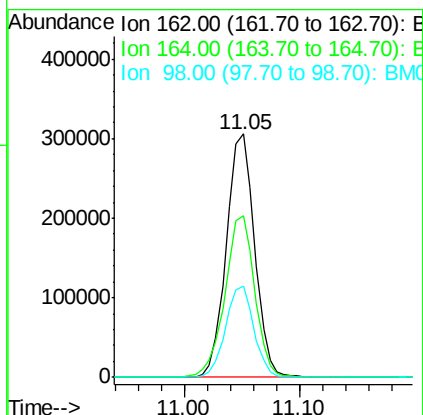
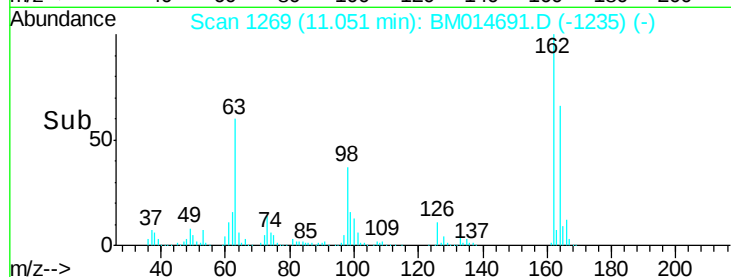
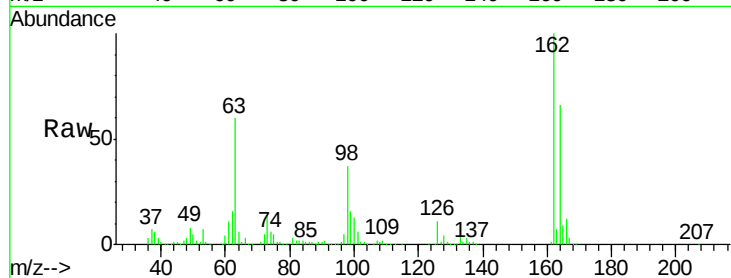
Tot Ion:162 Resp: 521771

Ion Ratio Lower Upper

162 100

164 66.5 52.1 78.1

98 37.4 28.4 42.6



#28

Naphthalene

Concen: 20.679 ng/ul

RT: 11.47 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

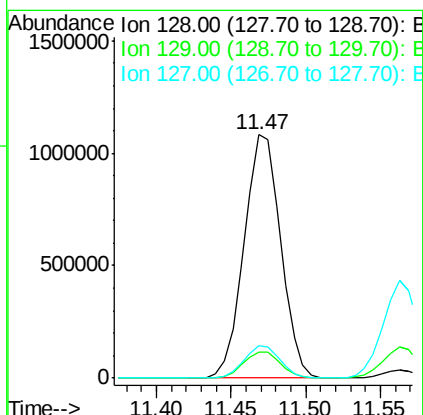
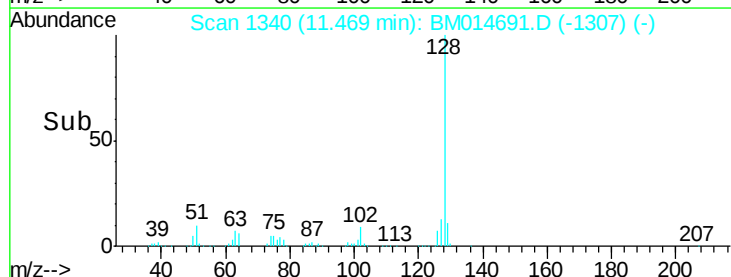
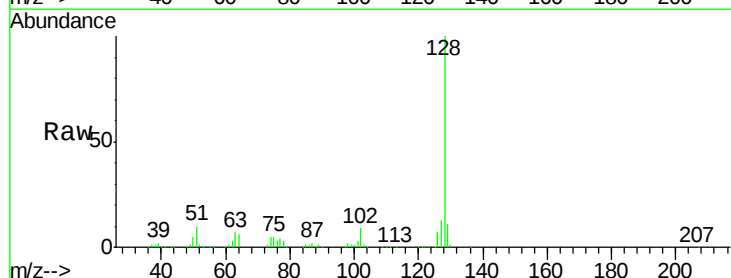
Tgt Ion:128 Resp: 1837510

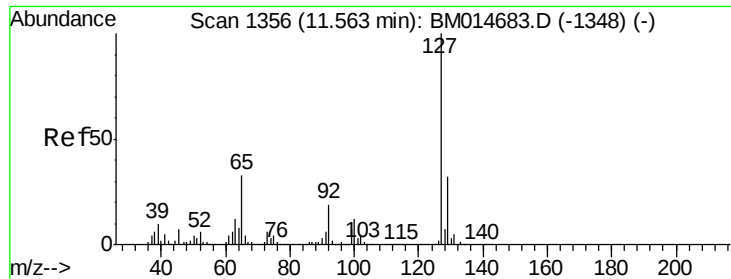
Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 10.5 15.7

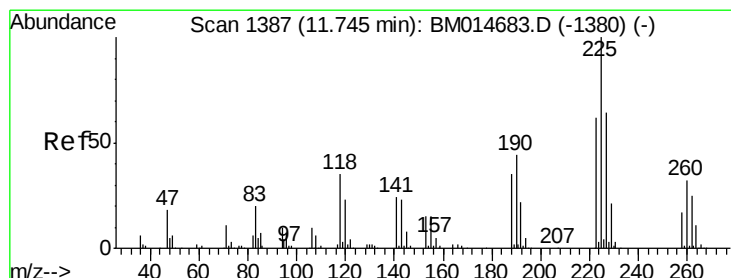
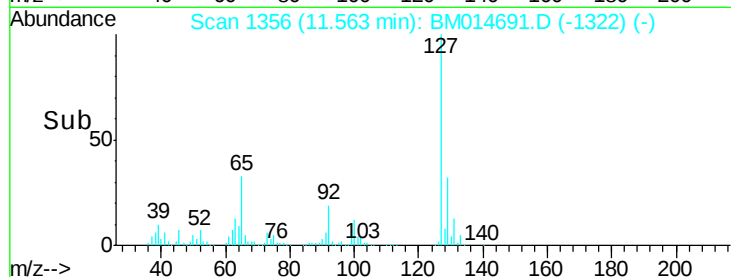
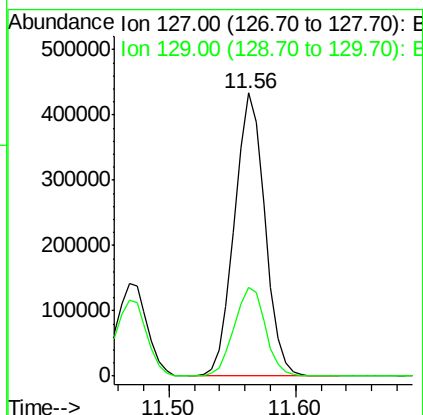
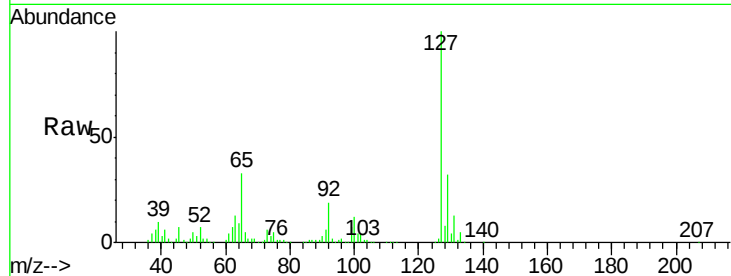




#30  
4-Chloroaniline  
Concen: 24.744 ng/ul  
RT: 11.56 min Scan# 1356  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

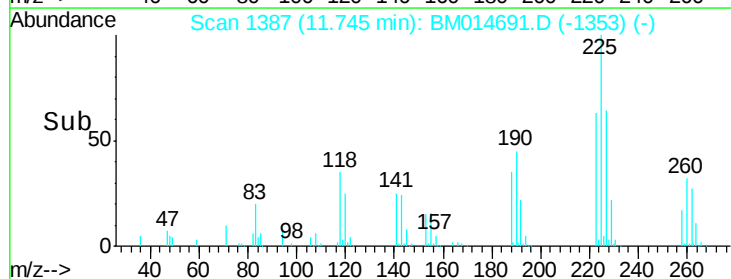
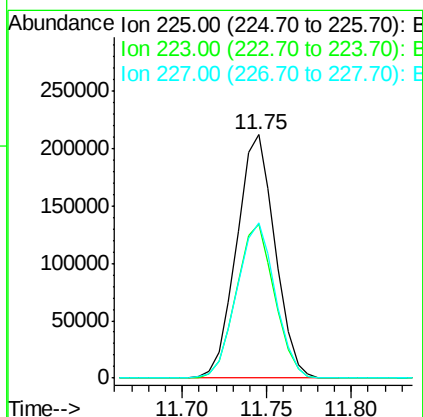
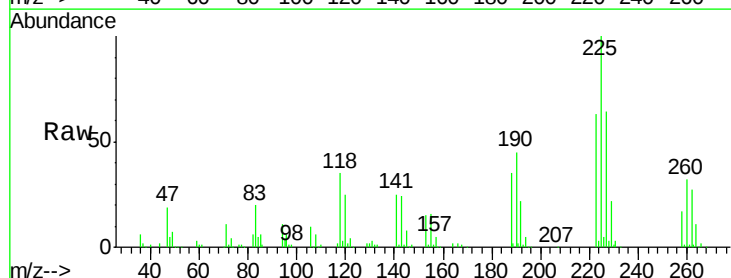
Instrument :  
BNA\_M  
ClientSampleId :

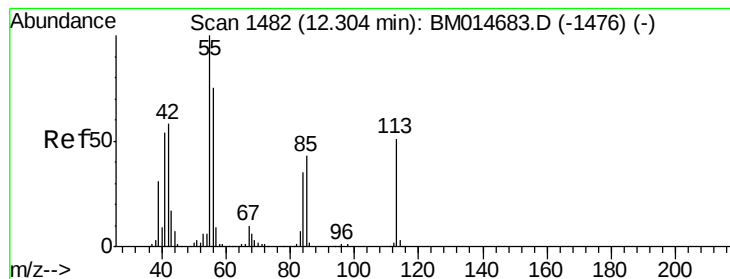
Tot Ion:127 Resp: 719634  
Ion Ratio Lower Upper  
127 100  
129 31.5 25.4 38.2



#31  
Hexachlorobutadiene  
Concen: 19.893 ng/ul  
RT: 11.75 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Tgt Ion:225 Resp: 335253  
Ion Ratio Lower Upper  
225 100  
223 63.3 51.4 77.2  
227 63.9 50.7 76.1





#32

Caprolactam

Concen: 19.655 ng/ul

RT: 12.30 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampled :

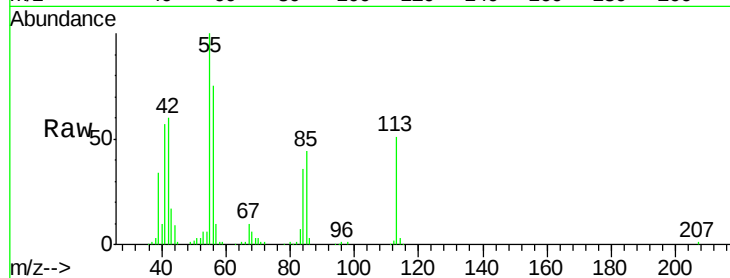
Tot Ion:113 Resp: 148591

Ion Ratio Lower Upper

113 100

55 194.3 101.9 152.9#

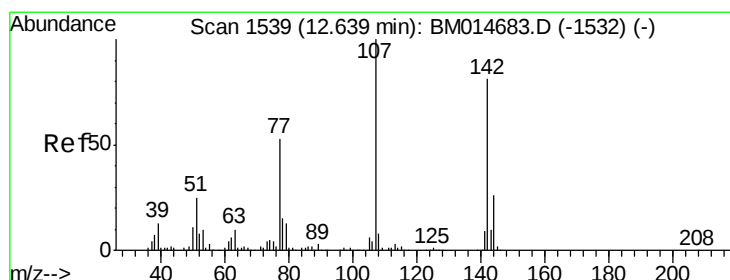
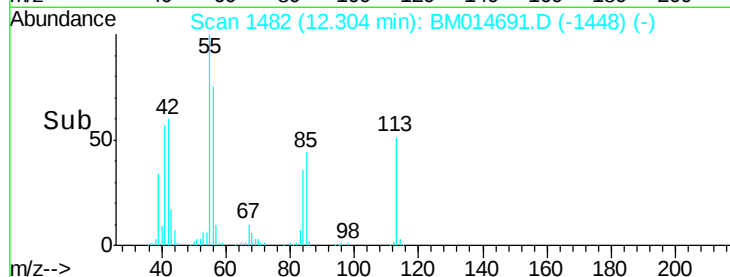
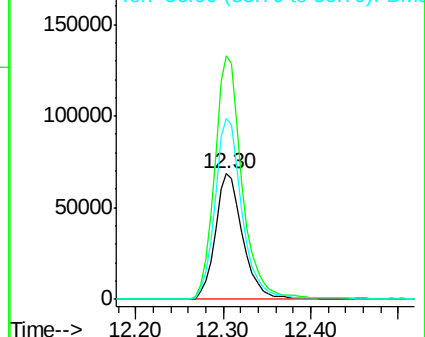
56 144.8 81.2 121.8#



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



#33

4-Chloro-3-methylphenol

Concen: 20.698 ng/ul

RT: 12.64 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

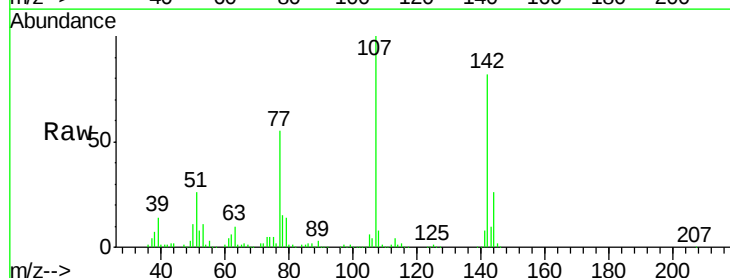
Tgt Ion:107 Resp: 555995

Ion Ratio Lower Upper

107 100

144 26.5 20.4 30.6

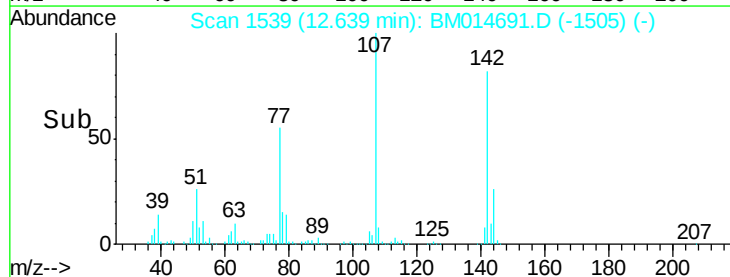
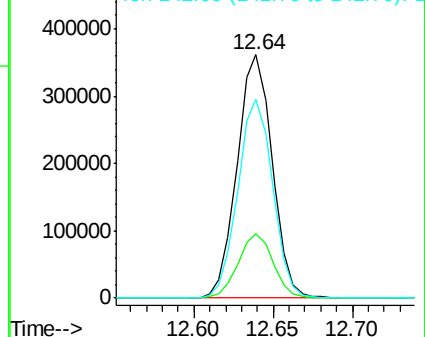
142 81.8 62.5 93.7

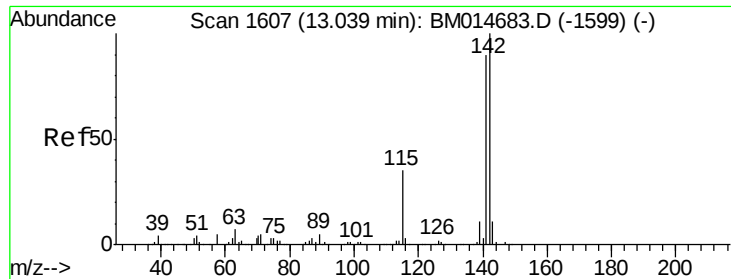


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

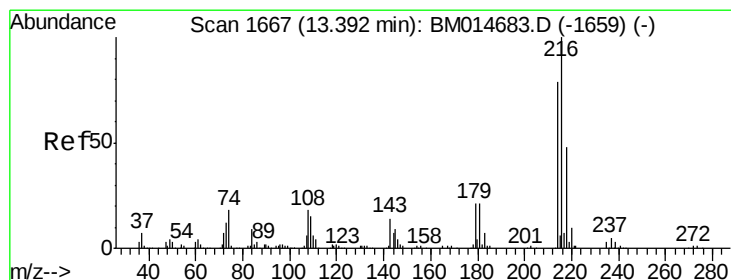
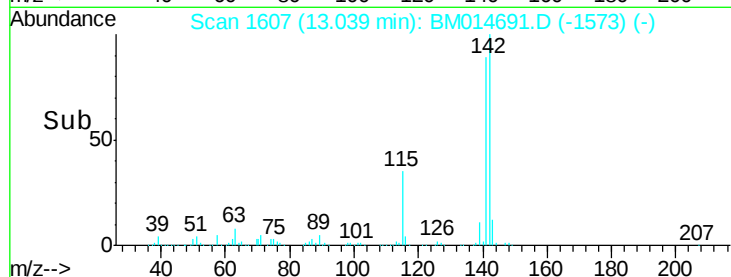
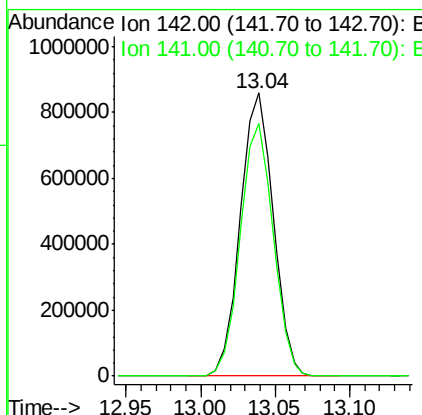
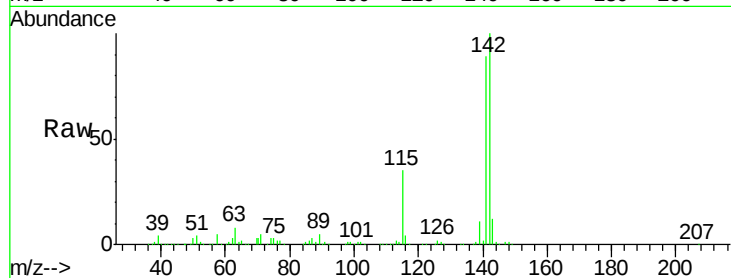




#34  
 2-Methylnaphthalene  
 Concen: 20.768 ng/ul  
 RT: 13.04 min Scan# 1607  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

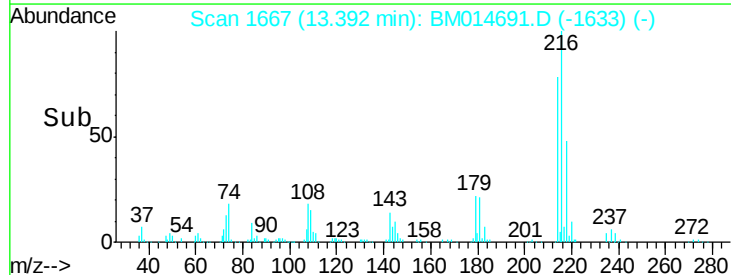
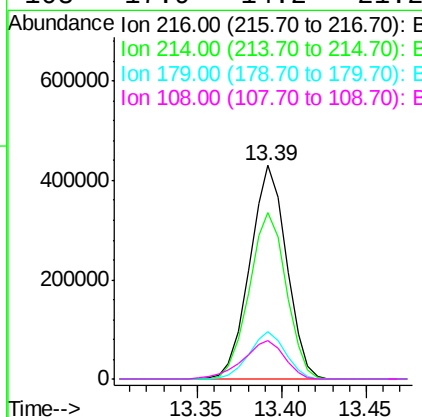
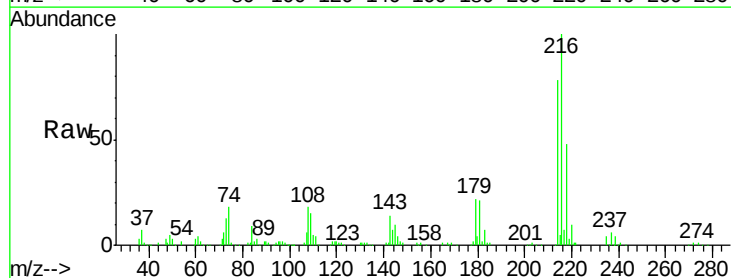
Instrument :  
 BNA\_M  
 ClientSampleId :

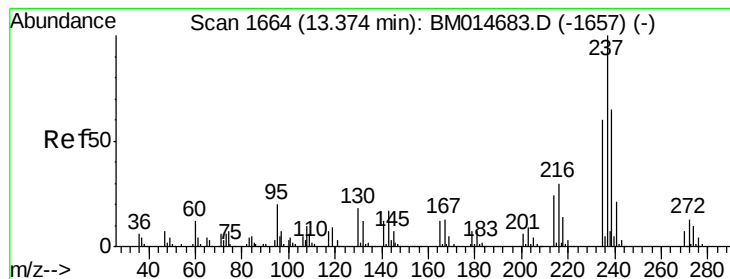
Tot Ion:142 Resp: 1316473  
 Ion Ratio Lower Upper  
 142 100  
 141 89.2 71.6 107.4



#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 20.120 ng/ul  
 RT: 13.39 min Scan# 1667  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion:216 Resp: 649721  
 Ion Ratio Lower Upper  
 216 100  
 214 78.1 62.5 93.7  
 179 21.9 18.2 27.2  
 108 17.9 14.2 21.2





#37

Hexachlorocyclopentadiene

Concen: 20.117 ng/ul

RT: 13.37 min Scan# 1663

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

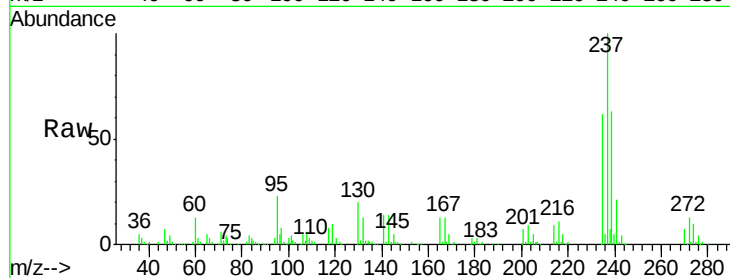
Tot Ion:237 Resp: 432904

Ion Ratio Lower Upper

237 100

235 62.1 50.4 75.6

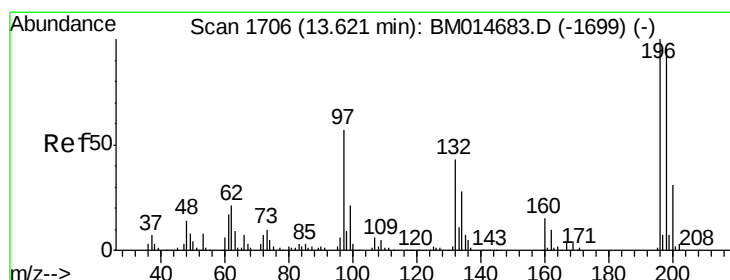
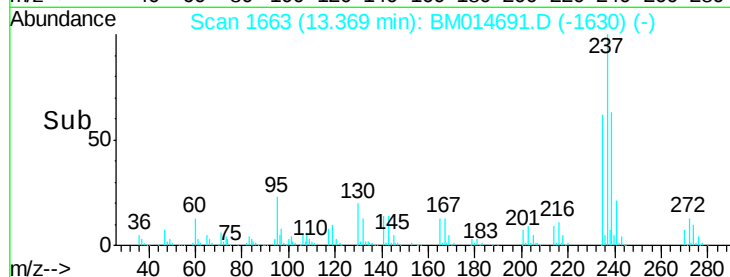
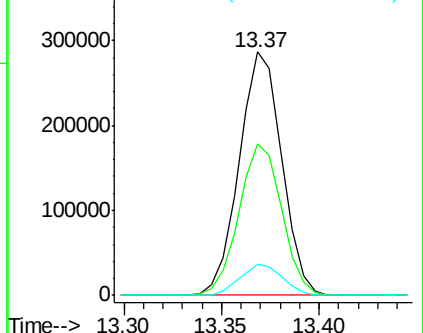
272 12.9 9.6 14.4



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 20.526 ng/ul

RT: 13.62 min Scan# 1705

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

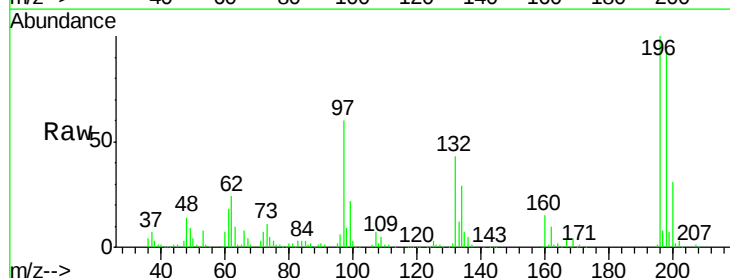
Tgt Ion:196 Resp: 393685

Ion Ratio Lower Upper

196 100

198 93.5 76.6 114.8

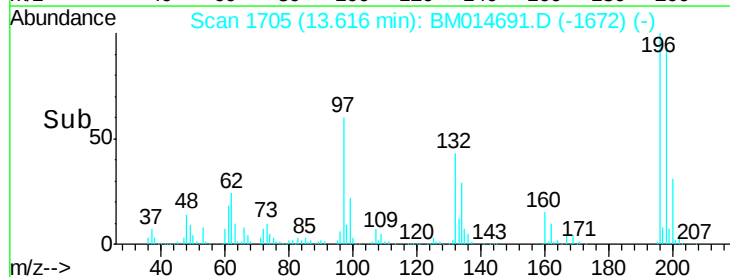
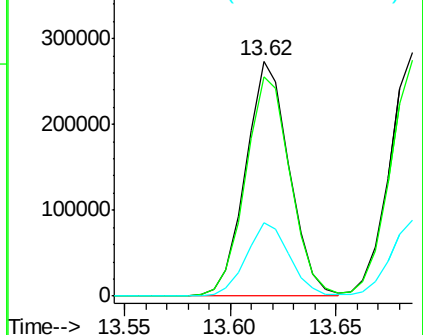
200 30.9 24.7 37.1

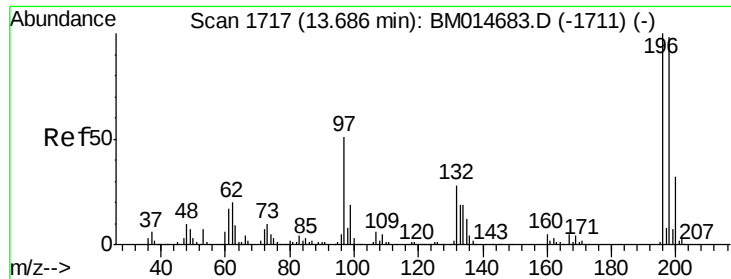


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

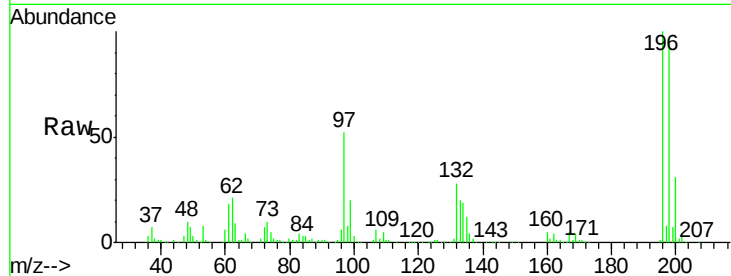




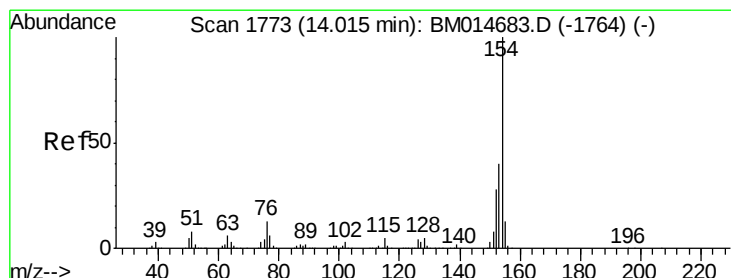
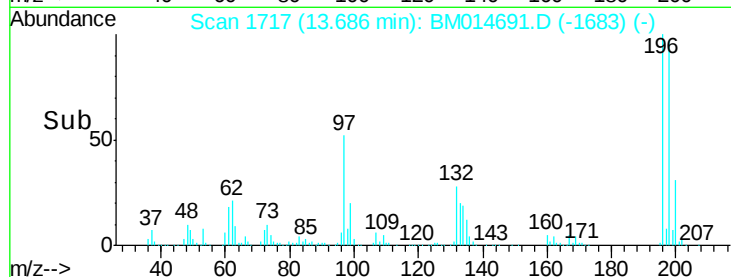
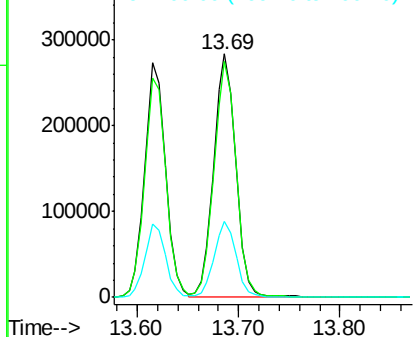
#39  
 2,4,5-Trichlorophenol  
 Concen: 21.385 ng/ul  
 RT: 13.69 min Scan# 1717  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:196 Resp: 429654  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 76.9 115.3  
 200 31.0 25.0 37.4

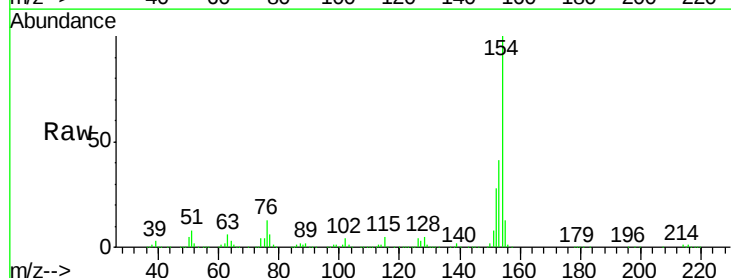


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

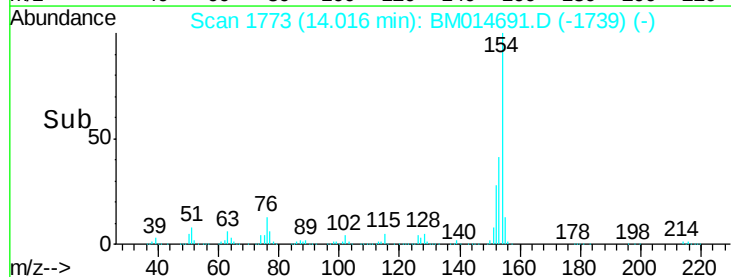
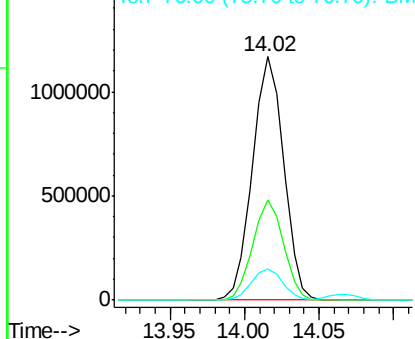


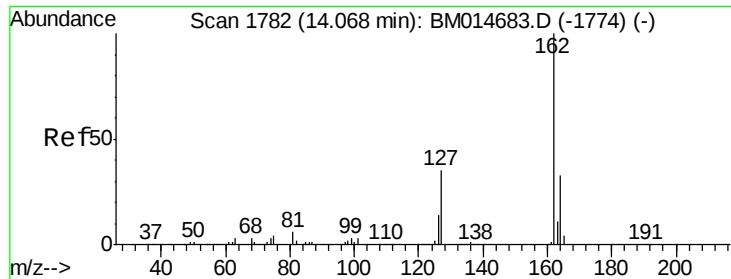
#40  
 1,1'-Biphenyl  
 Concen: 20.653 ng/ul  
 RT: 14.02 min Scan# 1773  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion:154 Resp: 1682542  
 Ion Ratio Lower Upper  
 154 100  
 153 41.1 32.1 48.1  
 76 13.0 9.5 14.3



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BM

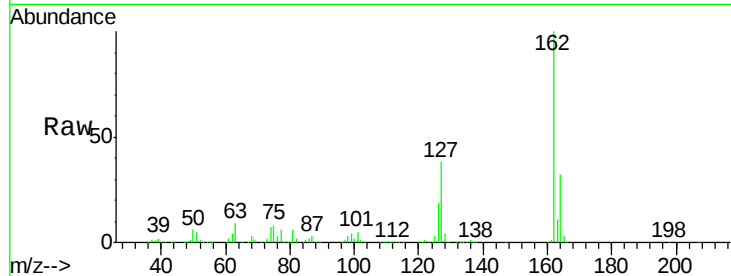




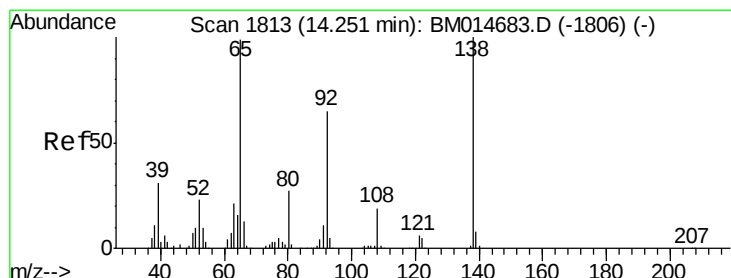
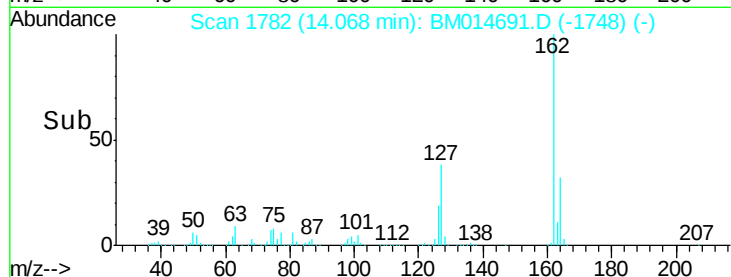
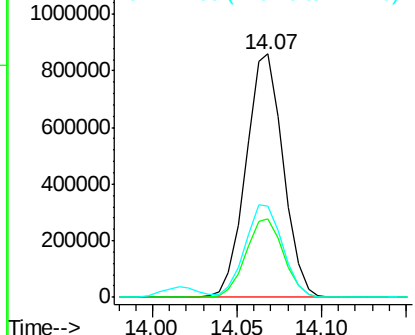
#41  
 2-Chloronaphthalene  
 Concen: 20.812 ng/ul  
 RT: 14.07 min Scan# 1782  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:162 Resp: 1313925  
 Ion Ratio Lower Upper  
 162 100  
 164 32.4 25.9 38.9  
 127 37.7 34.1 51.1

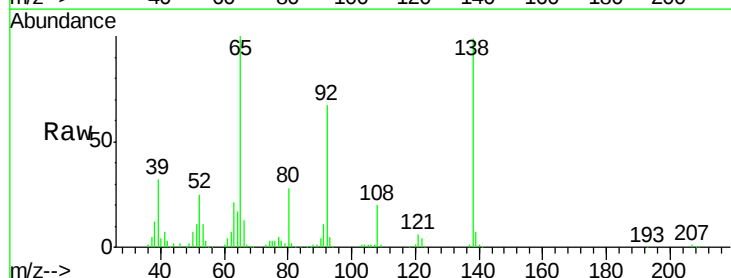


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 127.00 (126.70 to 127.70): E

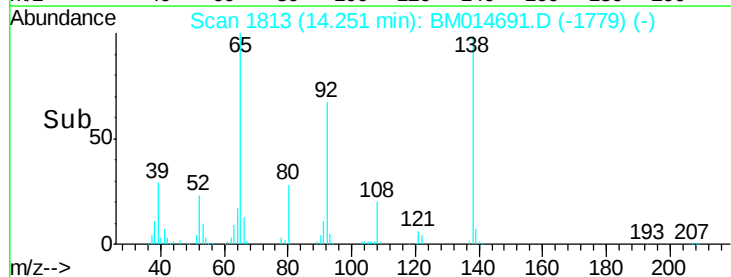
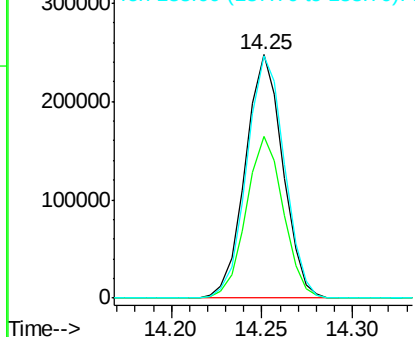


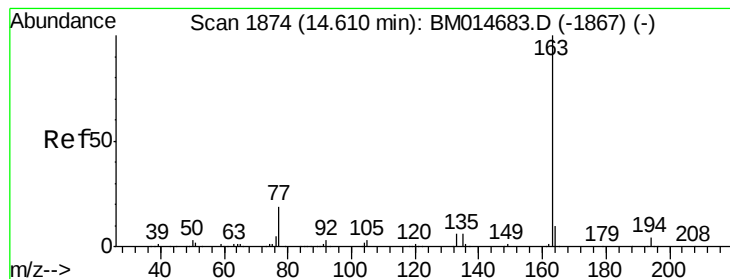
#42  
 2-Nitroaniline  
 Concen: 24.226 ng/ul  
 RT: 14.25 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion: 65 Resp: 356380  
 Ion Ratio Lower Upper  
 65 100  
 92 66.6 60.4 90.6  
 138 99.5 99.8 149.6#



Abundance Ion 65.00 (64.70 to 65.70): BM0  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 20.405 ng/ul

RT: 14.60 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

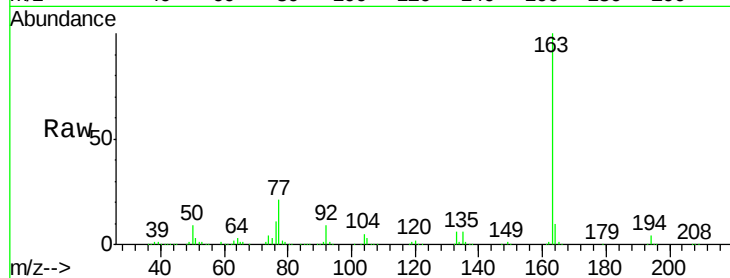
Tot Ion:163 Resp: 1580319

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

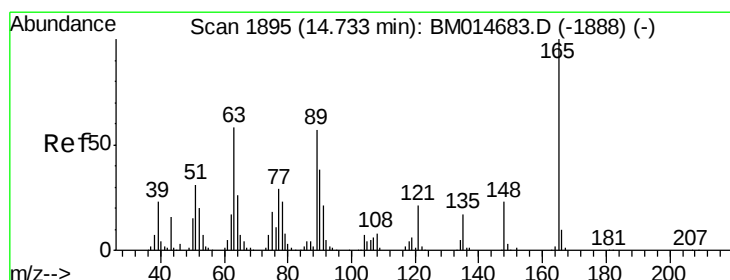
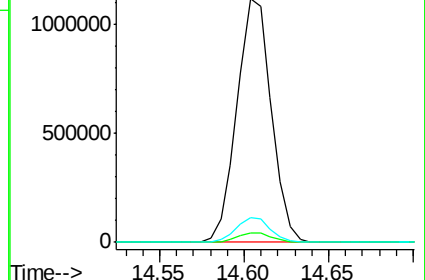
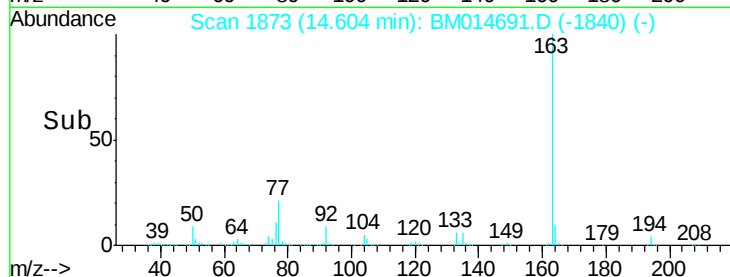
164 10.4 7.8 11.8



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



#45

2,6-Dinitrotoluene

Concen: 23.898 ng/ul

RT: 14.73 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

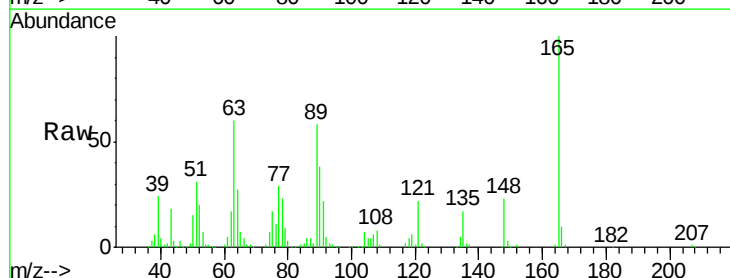
Tgt Ion:165 Resp: 298925

Ion Ratio Lower Upper

165 100

89 57.6 42.4 63.6

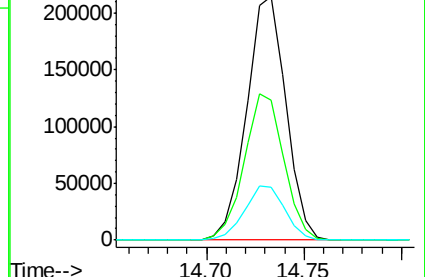
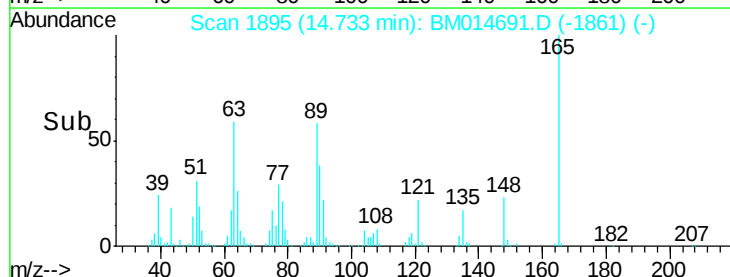
121 21.6 16.6 24.8

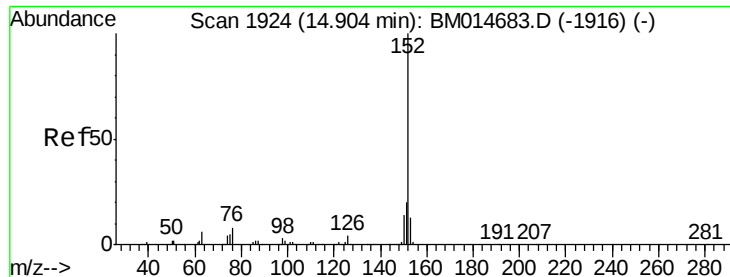


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 20.724 ng/ul

RT: 14.90 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

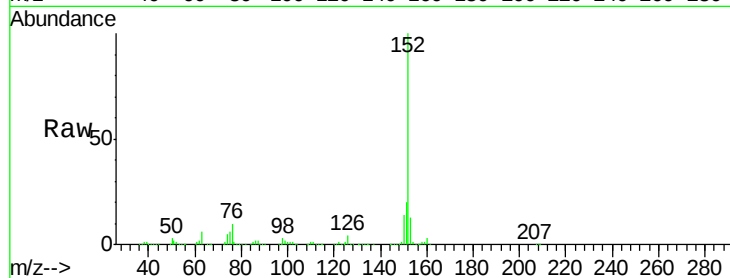
Tot Ion:152 Resp: 2006734

Ion Ratio Lower Upper

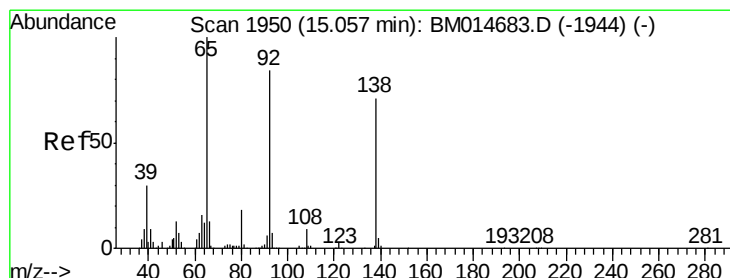
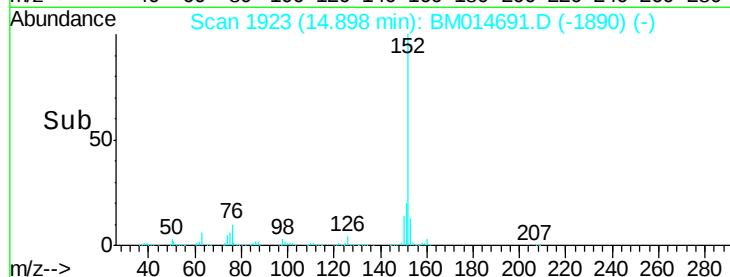
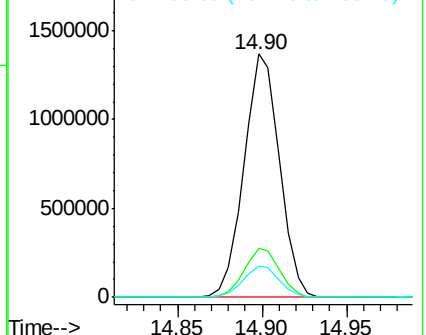
152 100

151 20.1 15.7 23.5

153 12.6 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 24.404 ng/ul

RT: 15.06 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

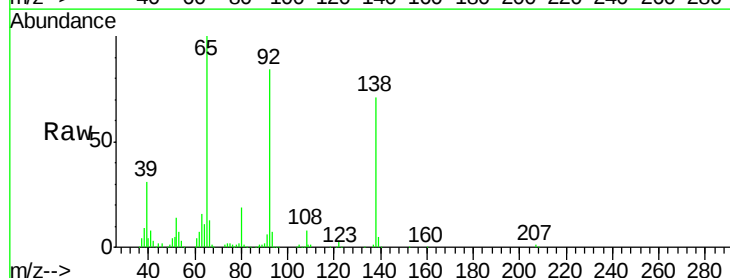
Tgt Ion:138 Resp: 308355

Ion Ratio Lower Upper

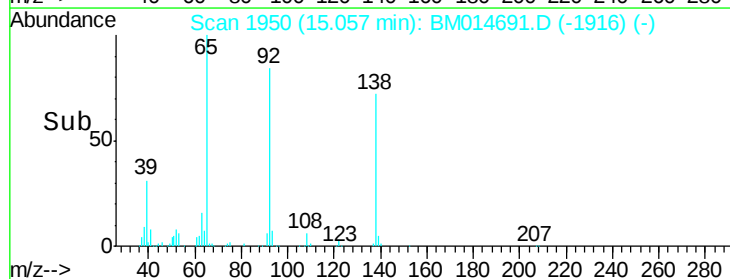
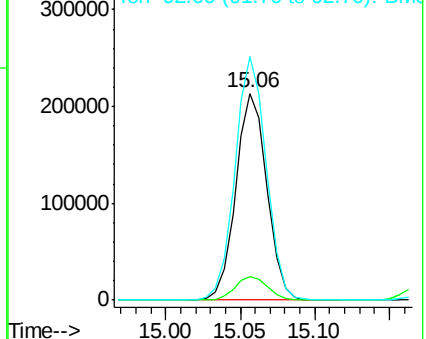
138 100

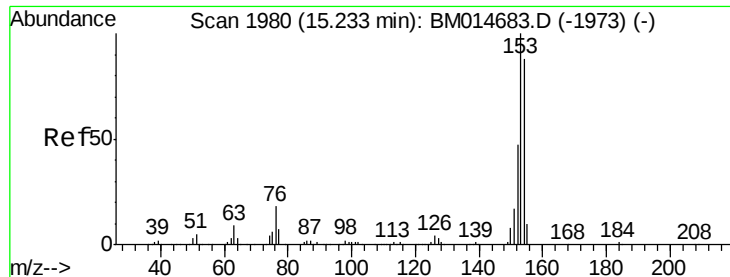
108 11.5 8.7 13.1

92 117.7 88.2 132.4



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





#49

Acenaphthene

Concen: 20.781 ng/ul

RT: 15.23 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

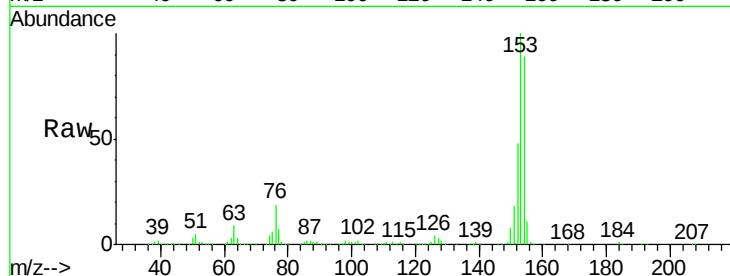
Tot Ion:153 Resp: 1404965

Ion Ratio Lower Upper

153 100

152 47.8 38.3 57.5

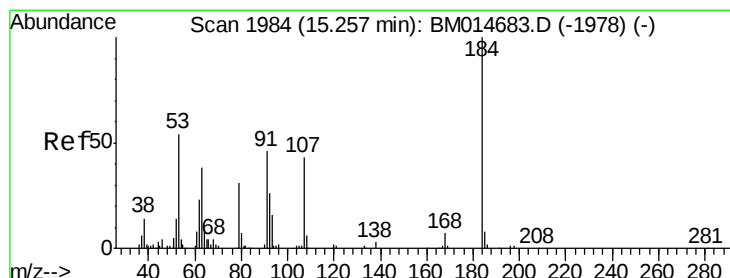
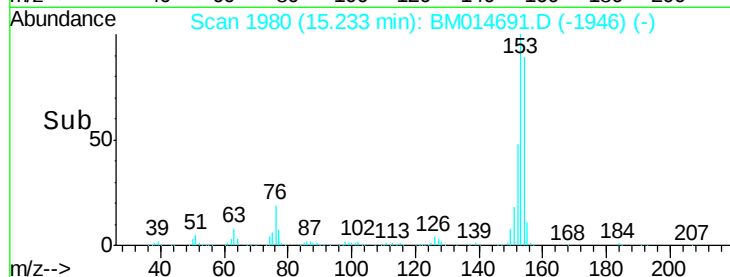
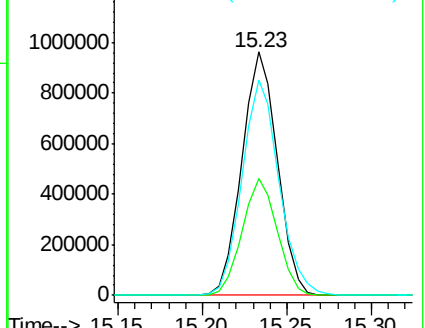
154 88.5 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 22.296 ng/ul

RT: 15.26 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

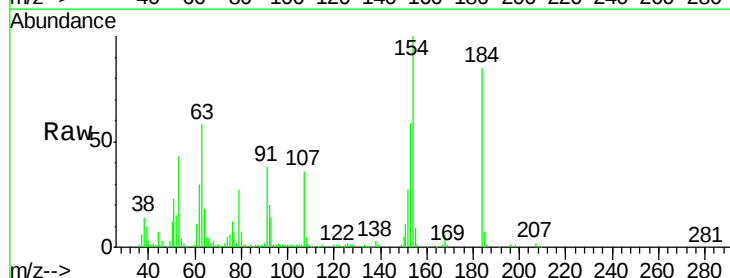
Tgt Ion:184 Resp: 120696

Ion Ratio Lower Upper

184 100

63 68.7 76.0 114.0#

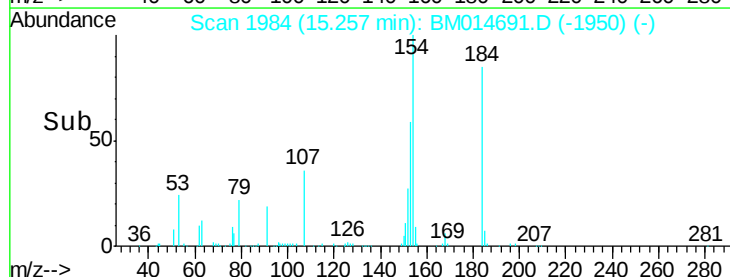
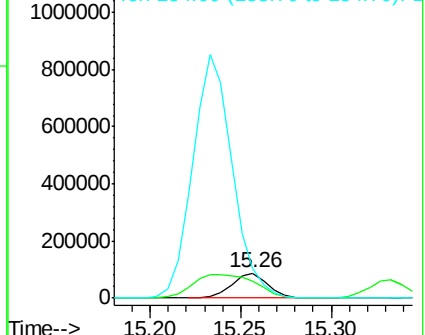
154 118.0 300.0 450.0#

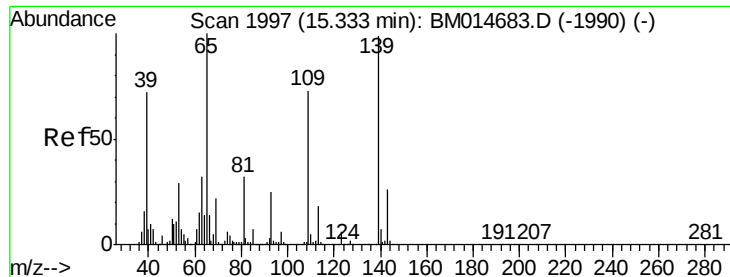


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 21.931 ng/ul

RT: 15.33 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

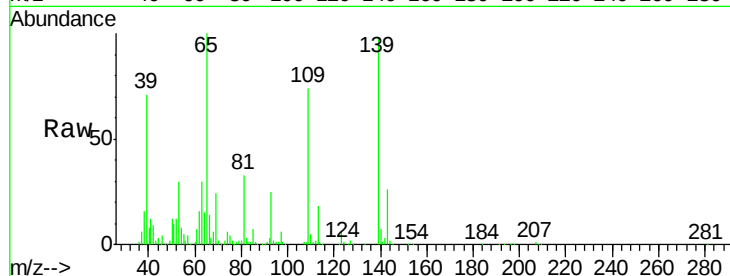
Tot Ion:109 Resp: 217461

Ion Ratio Lower Upper

109 100

139 133.1 103.7 155.5

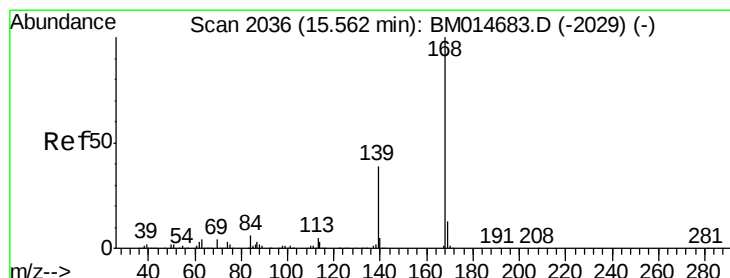
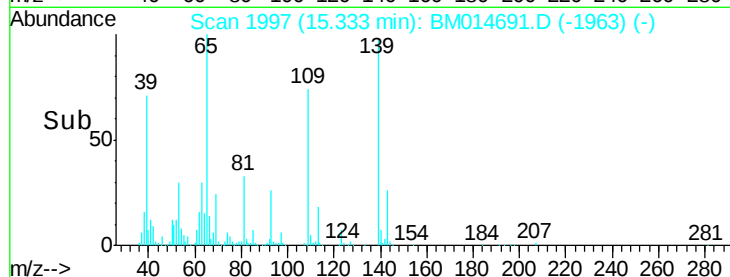
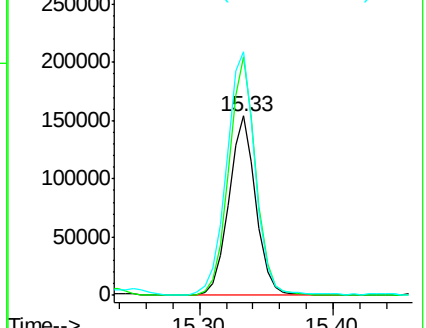
65 135.6 89.4 134.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53

Dibenzofuran

Concen: 20.796 ng/ul

RT: 15.56 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BM014691.D

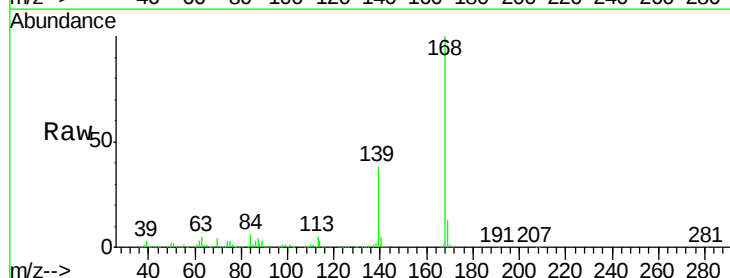
Acq: 10 Apr 2018 17:21

Tgt Ion:168 Resp: 1929338

Ion Ratio Lower Upper

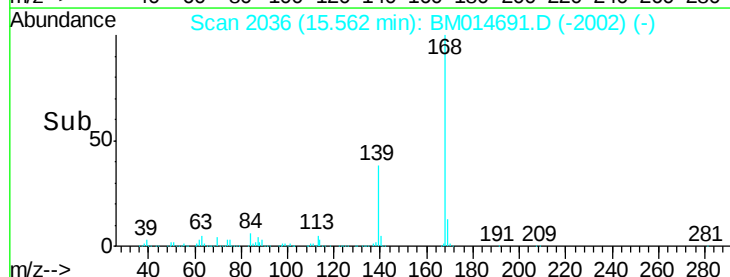
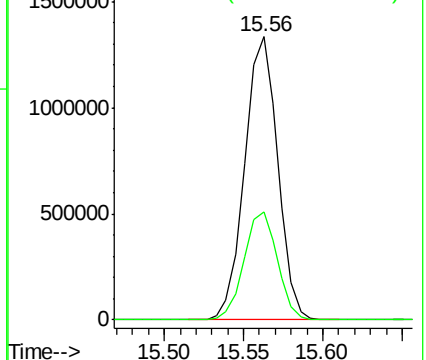
168 100

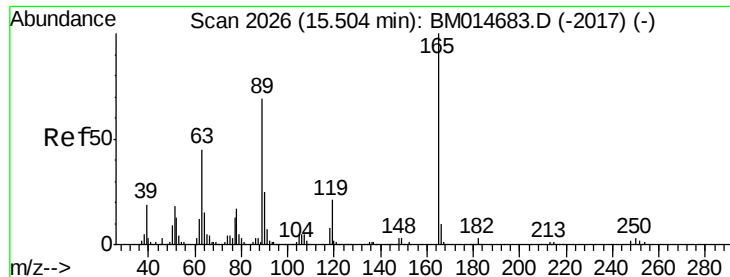
139 38.3 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 24.007 ng/ul

RT: 15.50 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

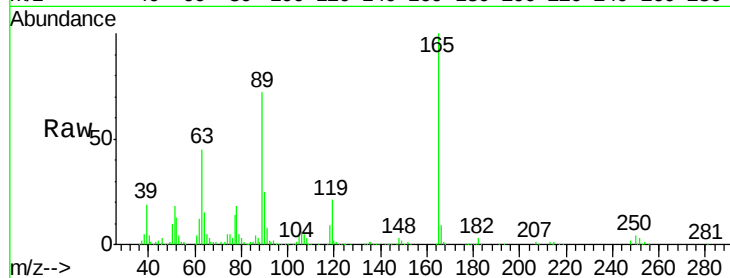
Tot Ion:165 Resp: 433484

Ion Ratio Lower Upper

165 100

63 44.9 29.8 44.6#

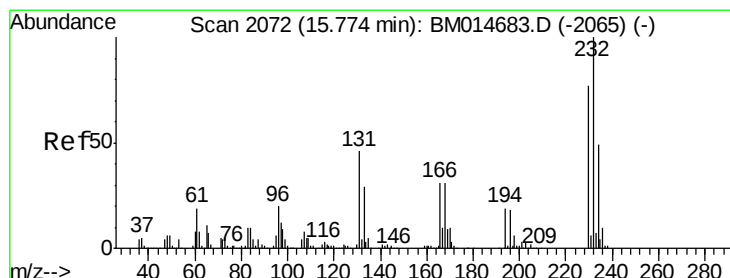
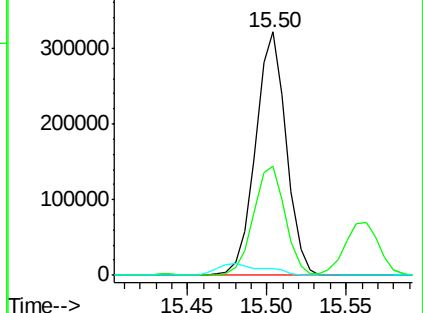
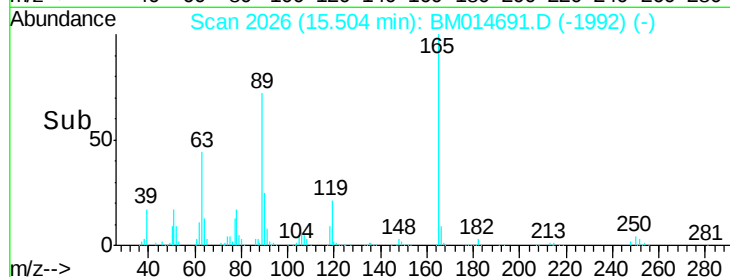
182 2.9 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 20.895 ng/ul

RT: 15.77 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Tgt Ion:232 Resp: 357140

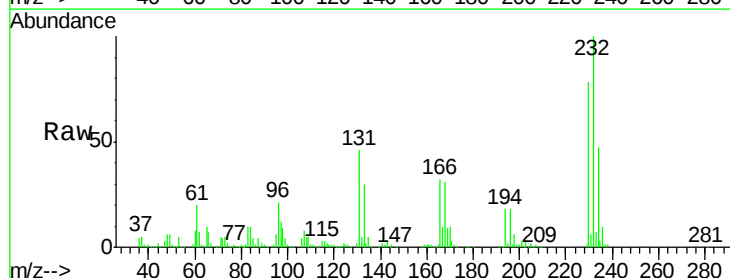
Ion Ratio Lower Upper

232 100

131 46.0 39.4 59.2

130 2.4 2.2 3.2

166 31.9 26.6 39.8

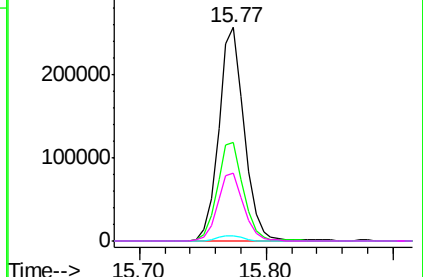
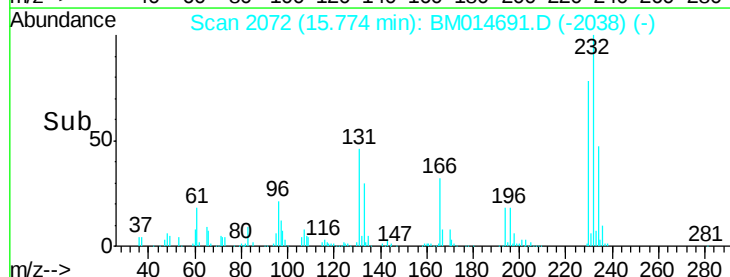


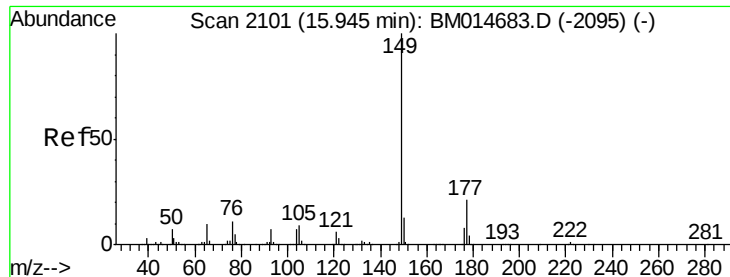
Abundance Ion 232.00 (231.70 to 232.70): E

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

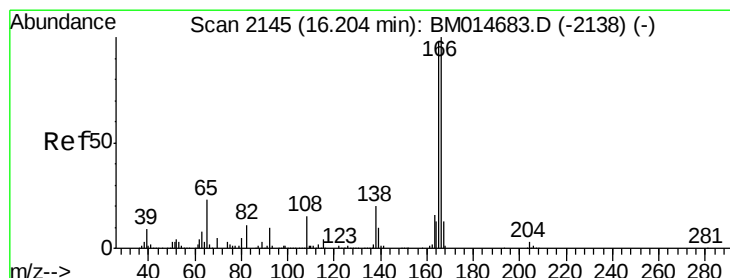
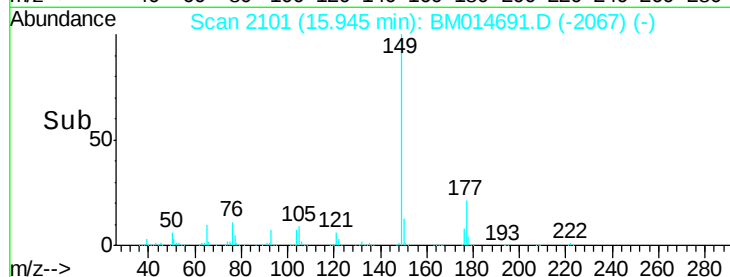
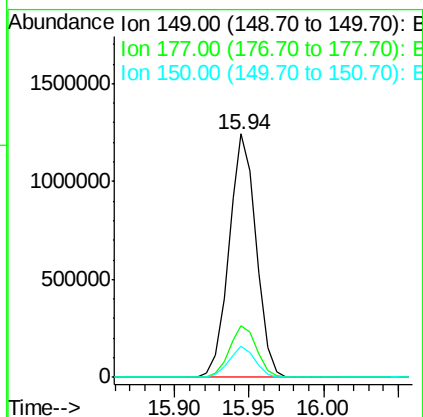
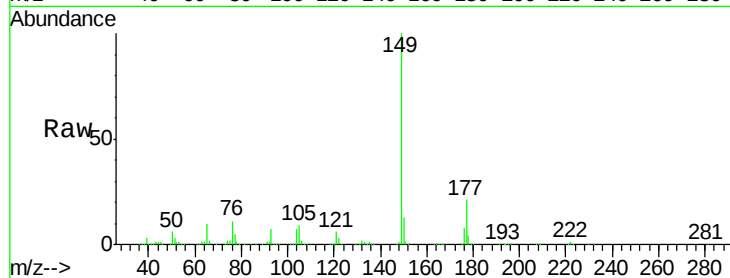




#56  
Diethylphthalate  
Concen: 20.392 ng/ul  
RT: 15.94 min Scan# 2101  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

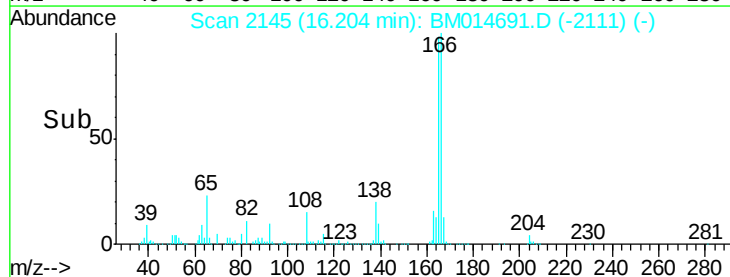
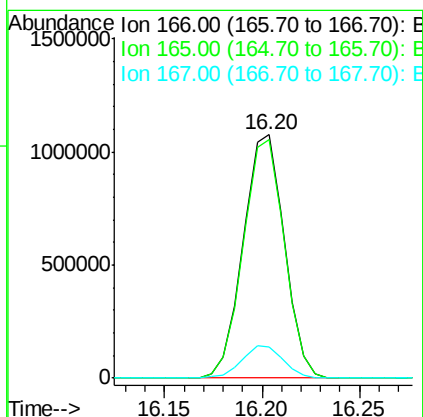
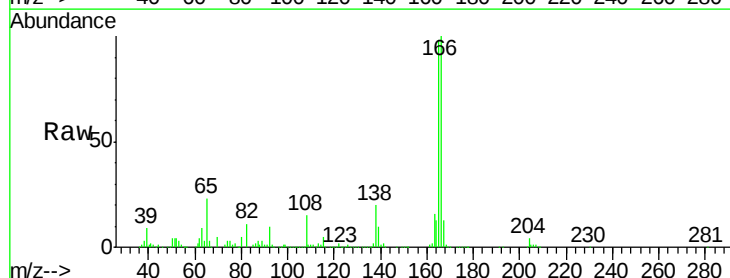
Instrument :  
BNA\_M  
ClientSampleId :

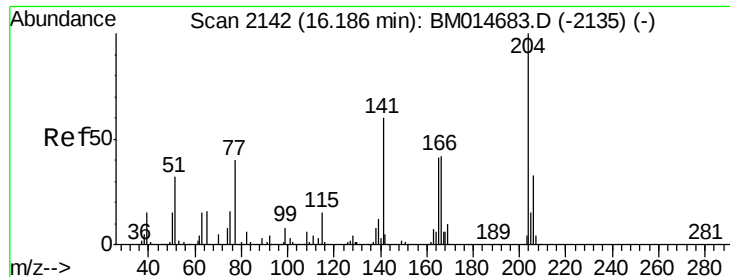
Tot Ion:149 Resp: 1580062  
Ion Ratio Lower Upper  
149 100  
177 21.0 17.4 26.2  
150 12.6 10.0 15.0



#58  
Fluorene  
Concen: 20.770 ng/ul  
RT: 16.20 min Scan# 2145  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Tgt Ion:166 Resp: 1569638  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.5 117.7  
167 12.9 10.7 16.1

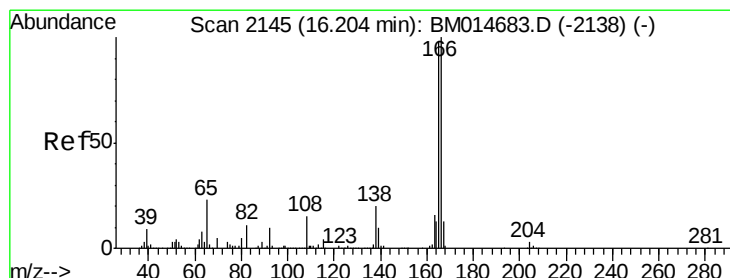
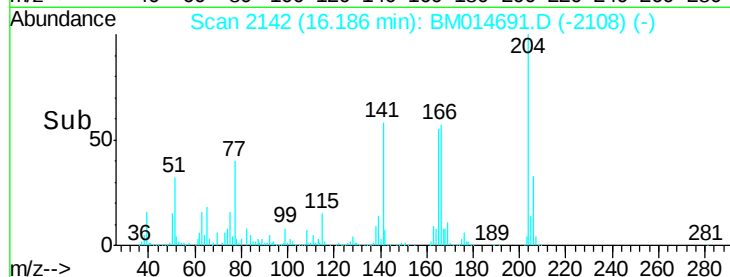
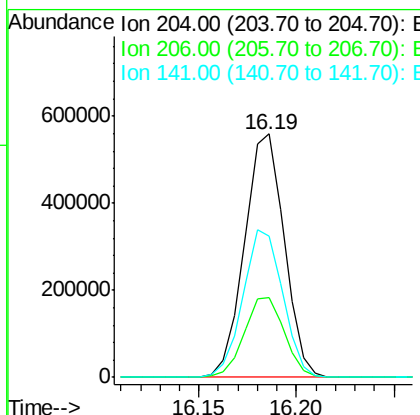
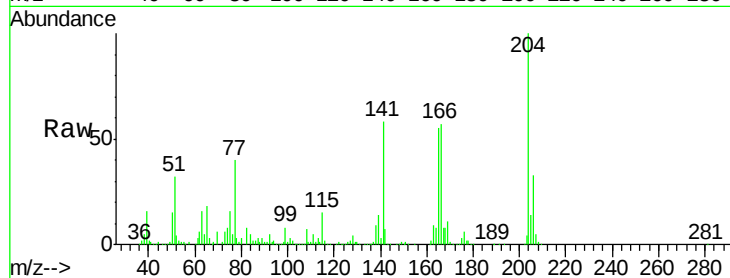




#59  
 4-Chlorophenyl-phenylether  
 Concen: 20.423 ng/ul  
 RT: 16.19 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

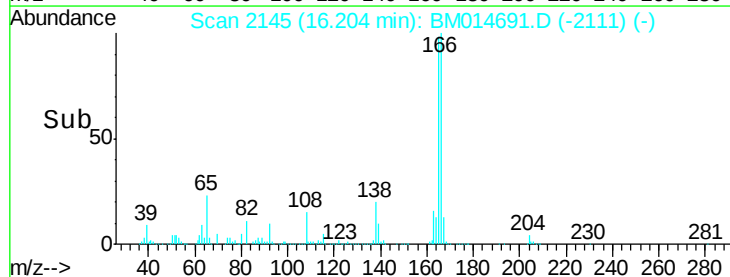
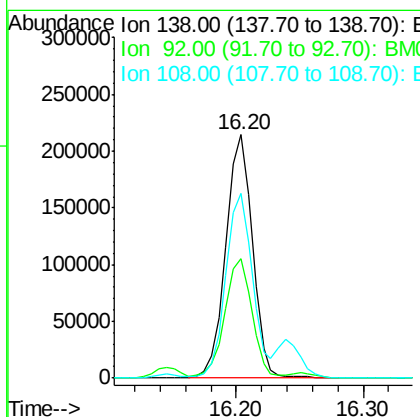
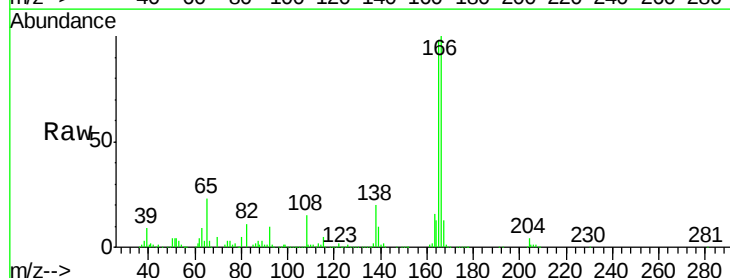
Instrument :  
 BNA\_M  
 ClientSampled :

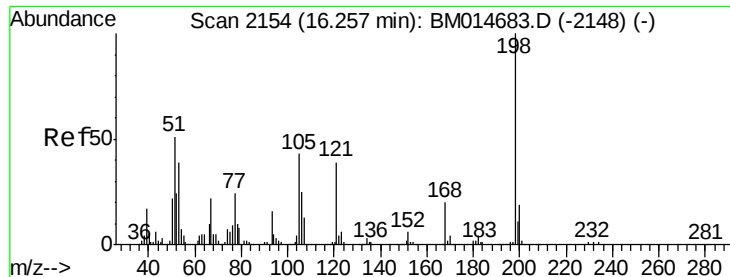
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.9  | 26.2  | 39.4  |
| 141     | 58.3  | 54.6  | 81.8  |



#60  
 4-Nitroaniline  
 Concen: 21.875 ng/ul  
 RT: 16.20 min Scan# 2145  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.0  | 40.6  | 60.8  |
| 108     | 75.8  | 67.0  | 100.6 |

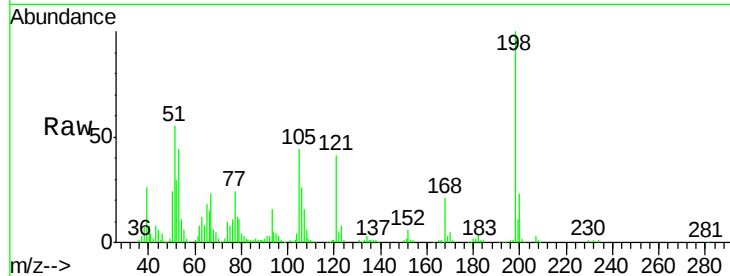




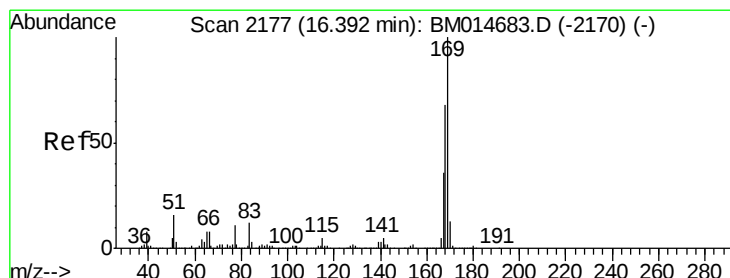
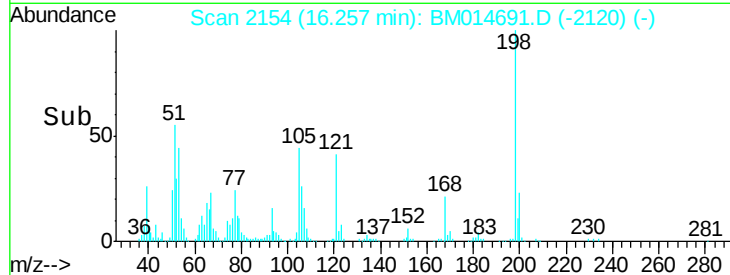
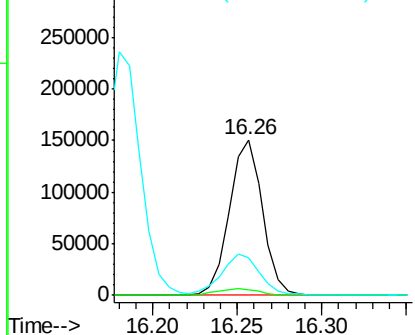
#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 20.967 ng/ul  
 RT: 16.26 min Scan# 2154  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:198 Resp: 205312  
 Ion Ratio Lower Upper  
 198 100  
 182 3.8 3.1 4.7  
 77 24.3 20.1 30.1

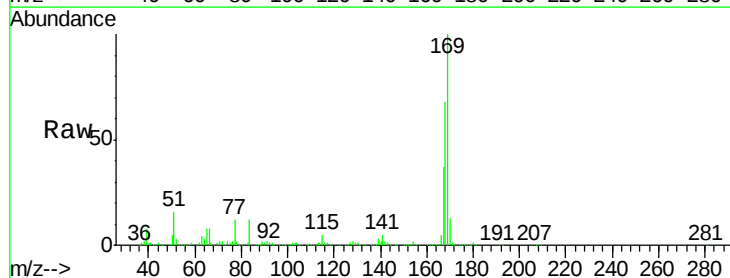


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): BM

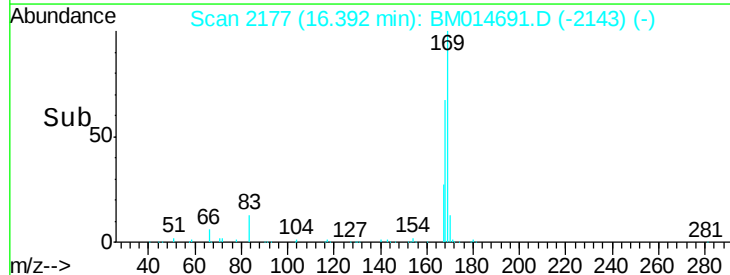
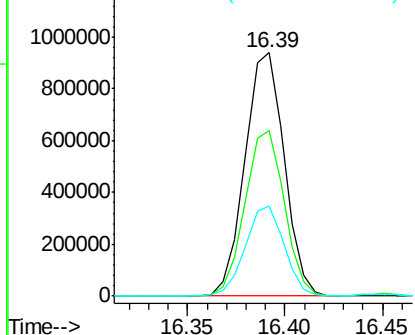


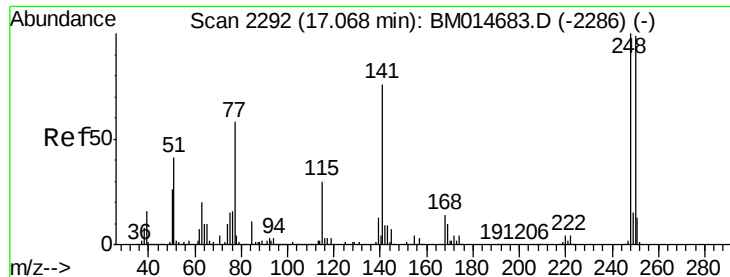
#64  
 N-Nitrosodiphenylamine  
 Concen: 20.708 ng/ul  
 RT: 16.39 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion:169 Resp: 1314742  
 Ion Ratio Lower Upper  
 169 100  
 168 68.0 53.8 80.8  
 167 36.8 29.3 43.9



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

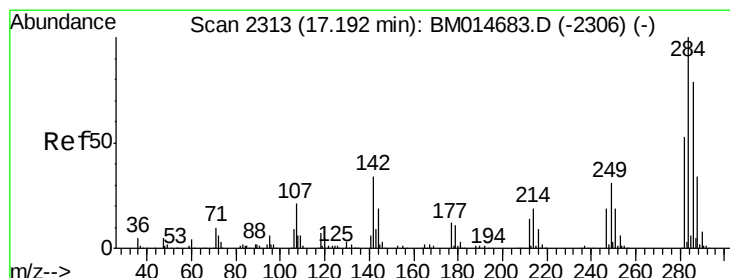
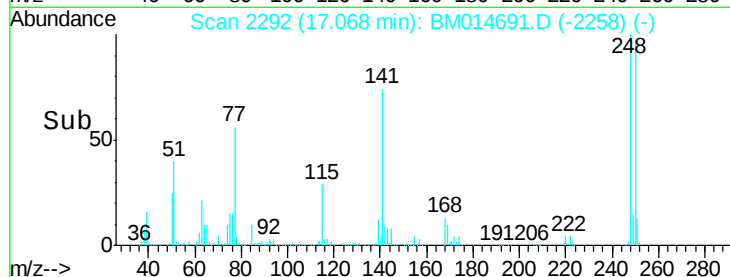
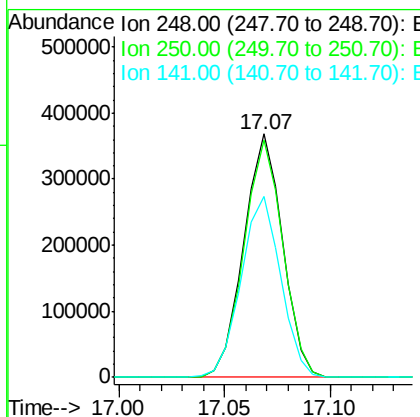
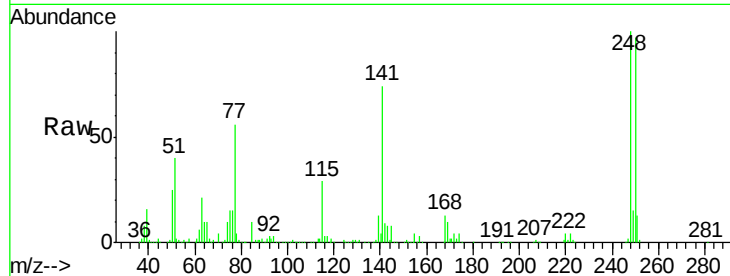




#65  
4-Bromophenyl-phenylether  
Concen: 19.849 ng/ul  
RT: 17.07 min Scan# 2292  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

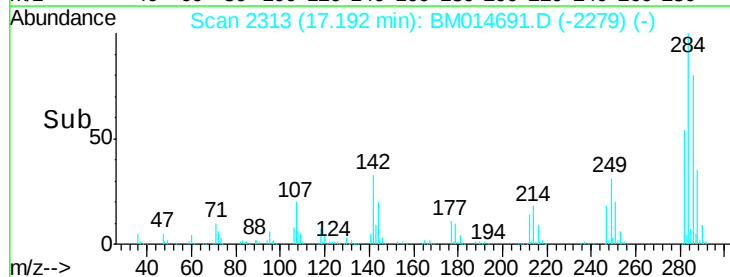
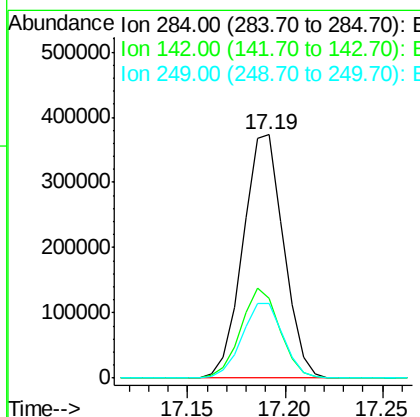
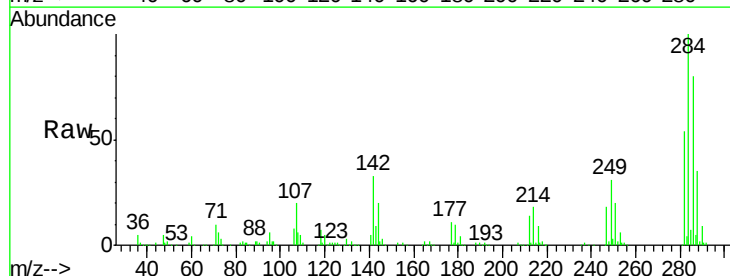
Instrument :  
BNA\_M  
ClientSampled :

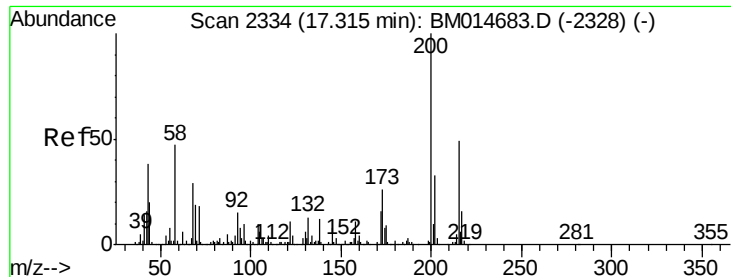
Tot Ion:248 Resp: 472886  
Ion Ratio Lower Upper  
248 100  
250 97.3 78.7 118.1  
141 74.1 72.2 108.2



#66  
Hexachlorobenzene  
Concen: 20.221 ng/ul  
RT: 17.19 min Scan# 2313  
Delta R.T. 0.00 min  
Lab File: BM014691.D  
Acq: 10 Apr 2018 17:21

Tgt Ion:284 Resp: 538667  
Ion Ratio Lower Upper  
284 100  
142 32.7 33.1 49.7#  
249 30.8 27.1 40.7

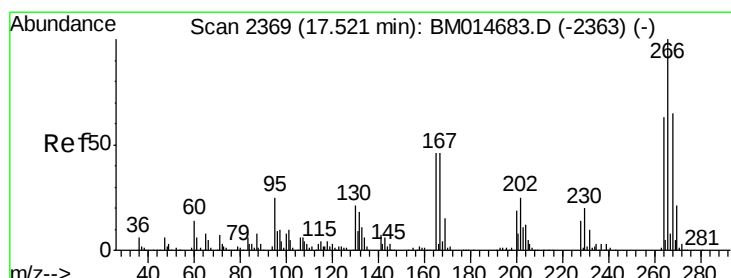
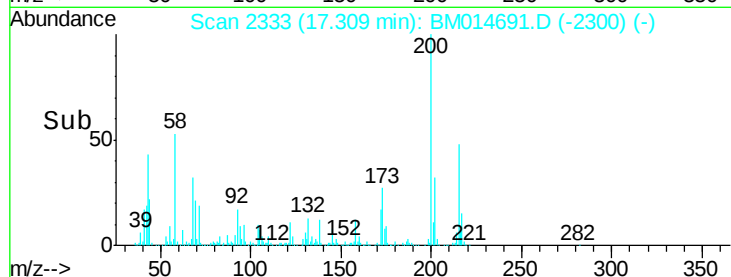
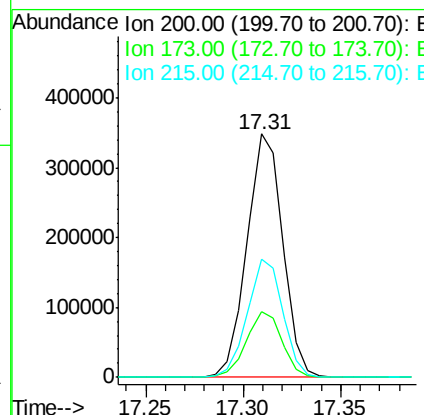
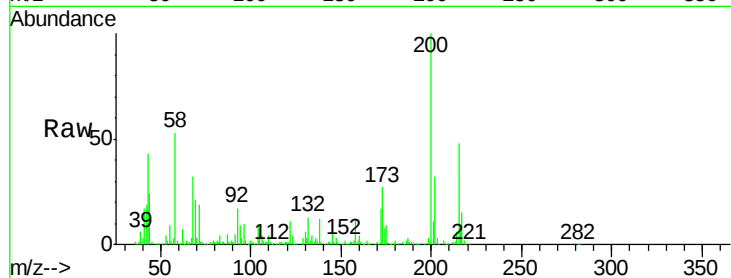




#67  
 Atrazine  
 Concen: 20.095 ng/ul  
 RT: 17.31 min Scan# 2333  
 Delta R.T. -0.01 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

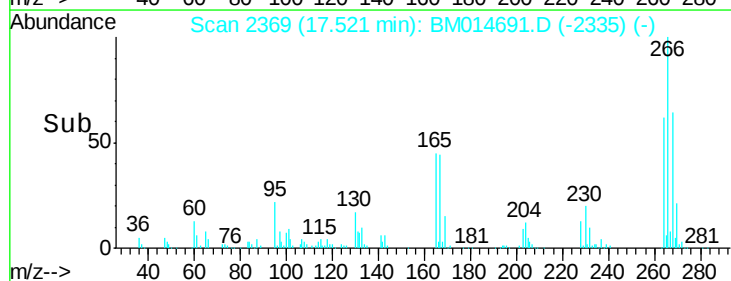
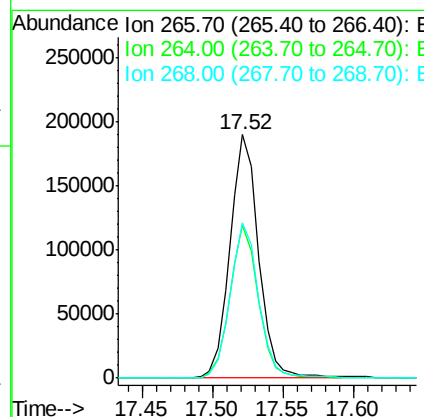
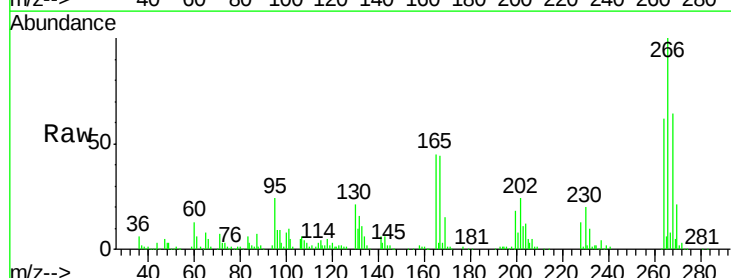
Instrument :  
 BNA\_M  
 ClientSampleId :

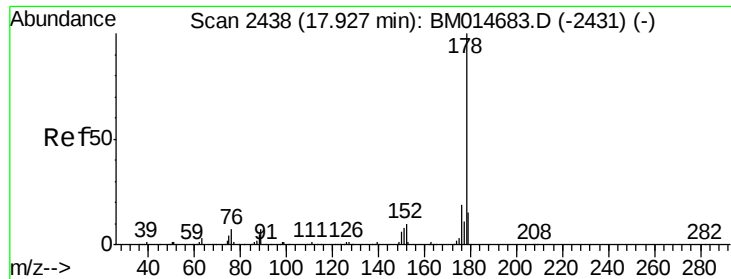
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.8  | 21.6  | 32.4  |
| 215     | 48.4  | 37.0  | 55.4  |



#68  
 Pentachlorophenol  
 Concen: 19.148 ng/ul  
 RT: 17.52 min Scan# 2369  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.5  | 50.5  | 75.7  |
| 268     | 64.0  | 50.9  | 76.3  |





#69

Phenanthrene

Concen: 20.803 ng/ul

RT: 17.92 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

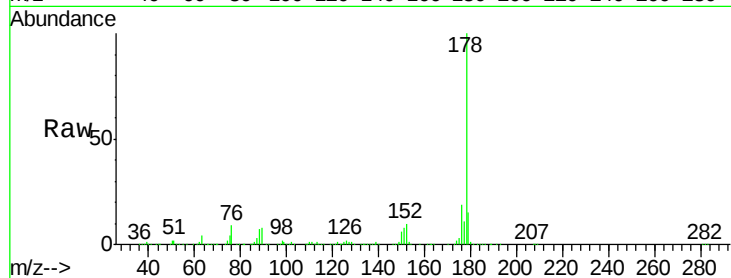
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:178 Resp: 2368518

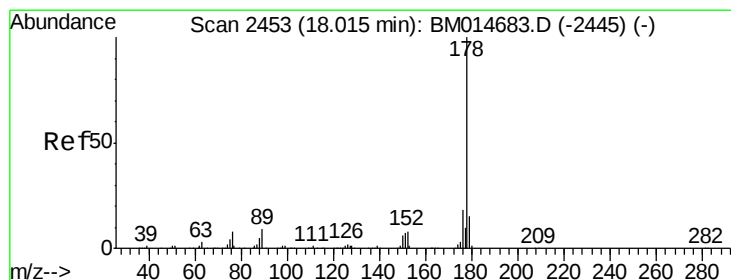
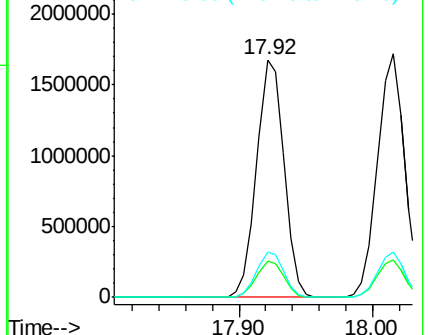
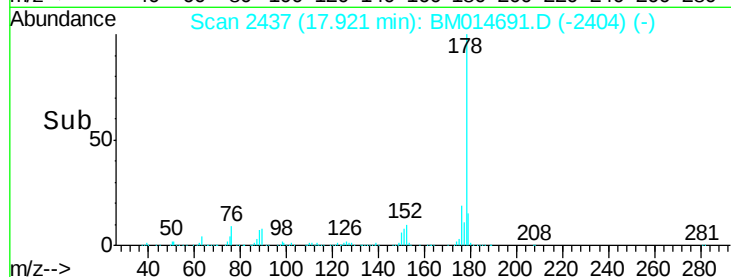
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 12.2  | 18.4  |
| 176 | 18.8  | 15.6  | 23.4  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 20.808 ng/ul

RT: 18.02 min Scan# 2453

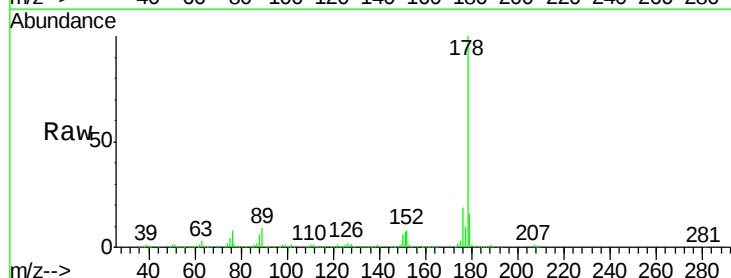
Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Tgt Ion:178 Resp: 2412162

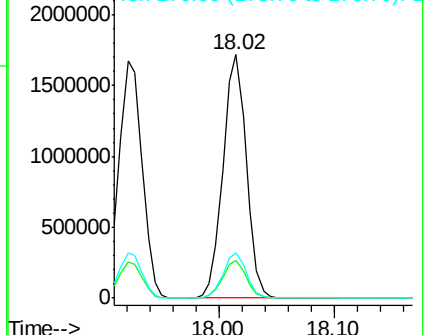
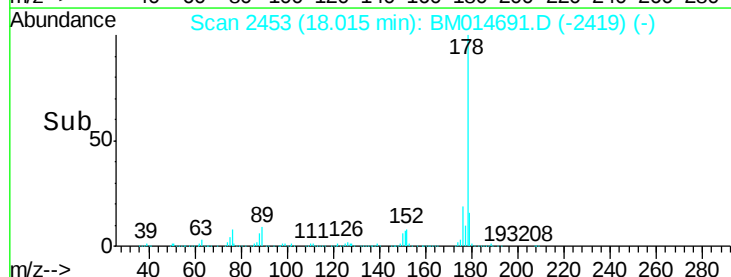
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.6  | 12.1  | 18.1  |
| 176 | 18.7  | 14.8  | 22.2  |

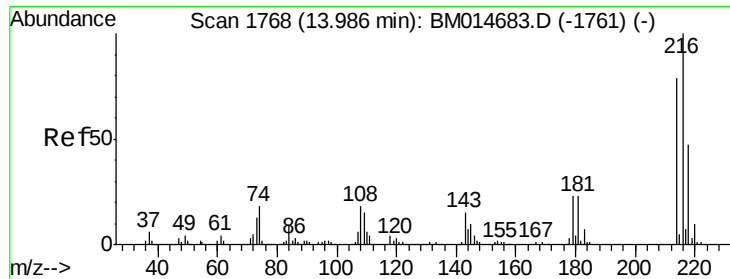


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

1,2,3,4-Tetrachlorobenzene

Concen: 20.263 ng/uL

RT: 13.99 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

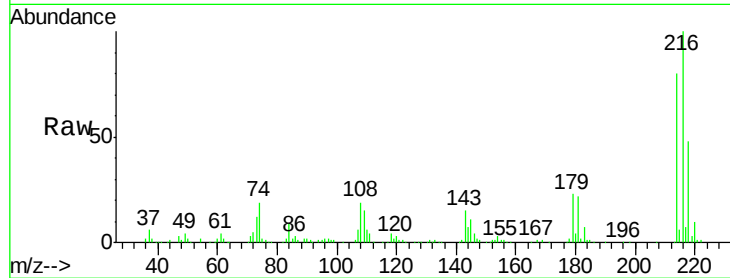
Tot Ion:216 Resp: 660183

Ion Ratio Lower Upper

216 100

214 80.0 62.5 93.7

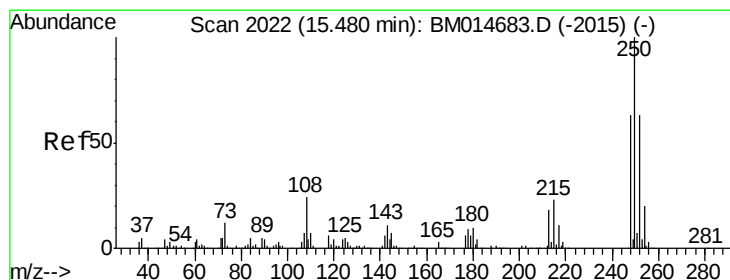
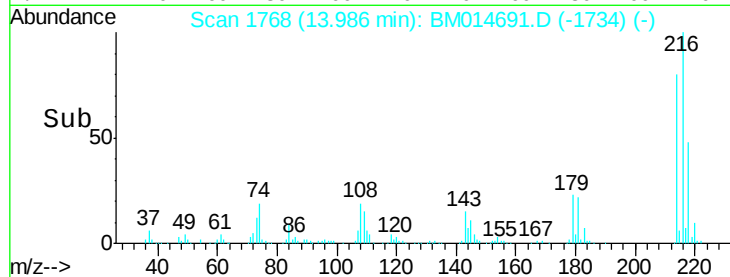
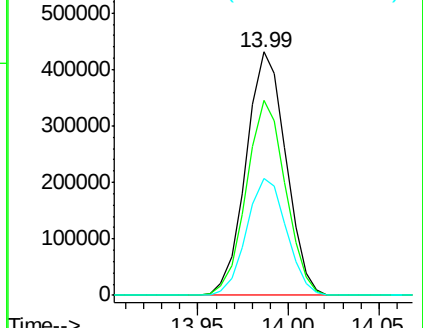
218 48.3 38.4 57.6



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 20.532 ng/uL

RT: 15.48 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

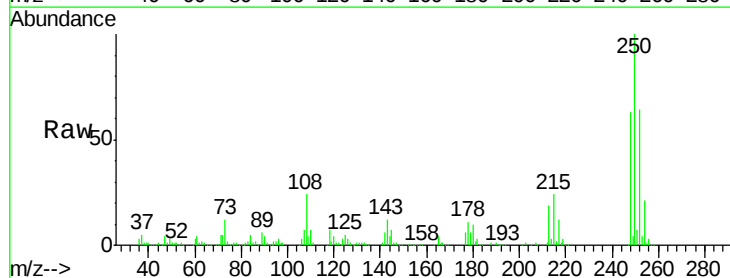
Tgt Ion:250 Resp: 644441

Ion Ratio Lower Upper

250 100

248 63.0 50.6 75.8

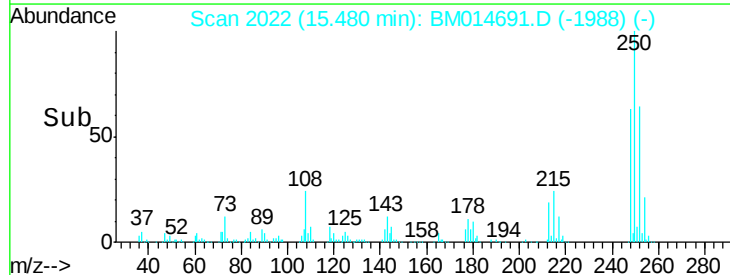
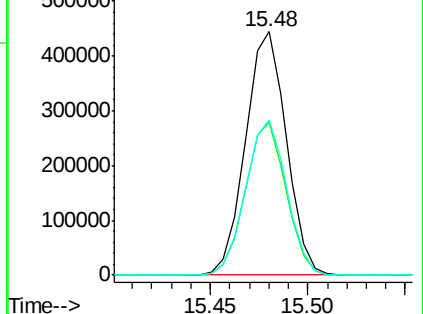
252 64.0 51.4 77.0

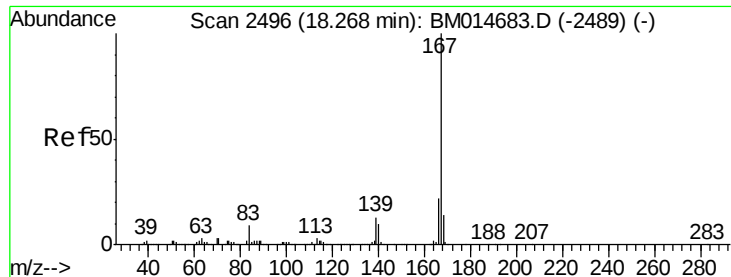


Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E



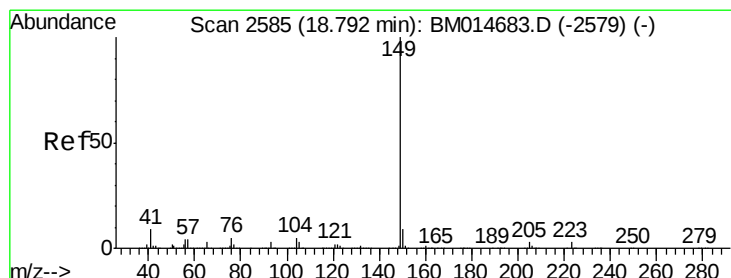
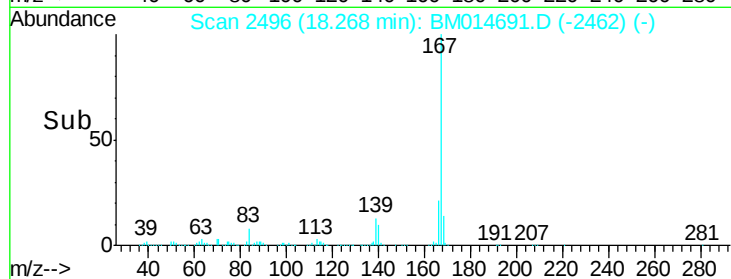
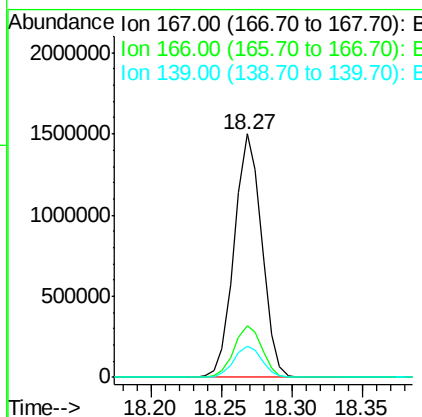
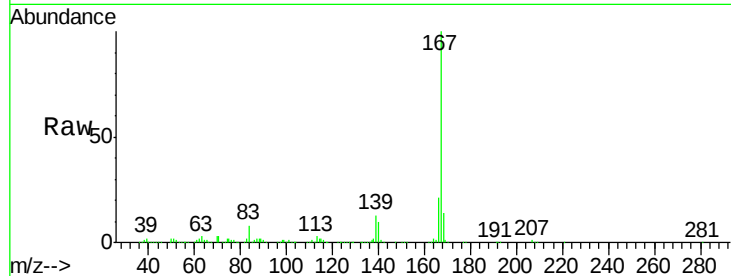


#74  
 Carbazole  
 Concen: 21.248 ng/ul  
 RT: 18.27 min Scan# 2496  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:167 Resp: 2039117  

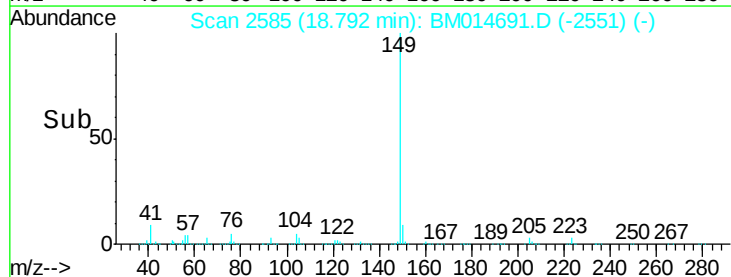
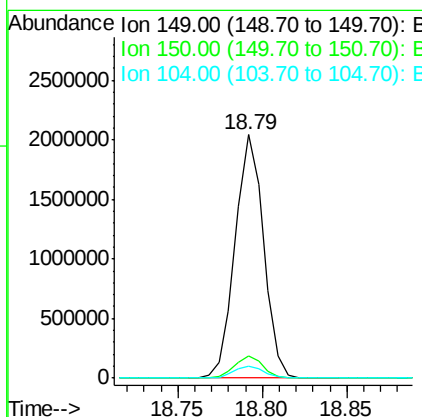
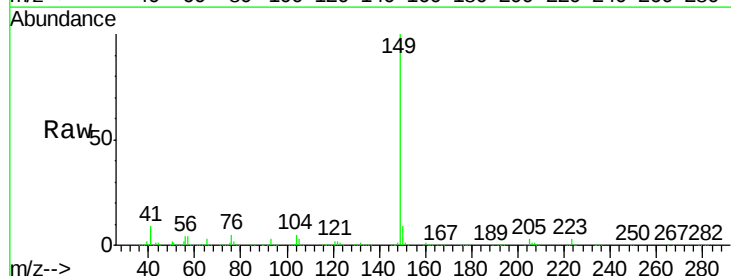
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.4  | 17.0  | 25.6  |
| 139 | 12.8  | 11.0  | 16.4  |

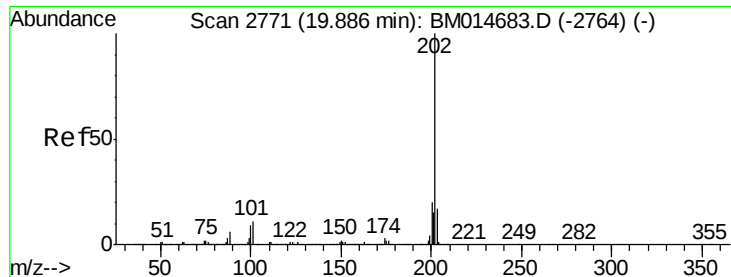


#75  
 Di-n-butylphthalate  
 Concen: 20.078 ng/ul  
 RT: 18.79 min Scan# 2585  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion:149 Resp: 2392114  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.1   | 7.4   | 11.0  |
| 104 | 5.1   | 4.0   | 6.0   |

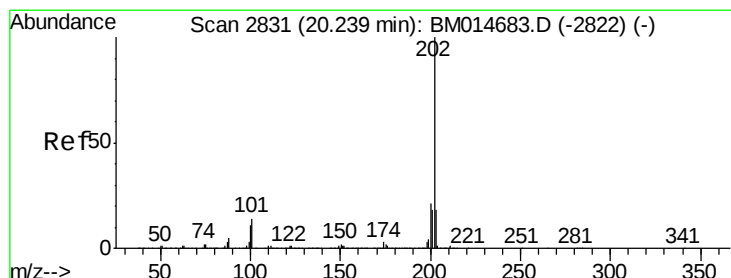
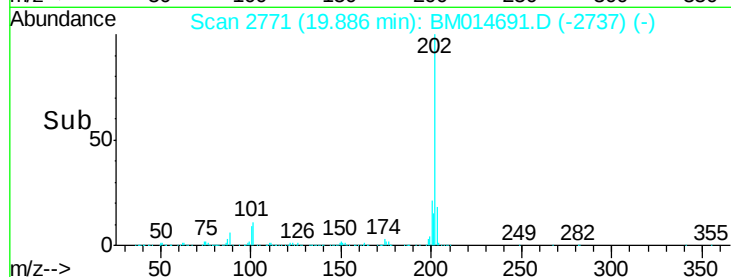
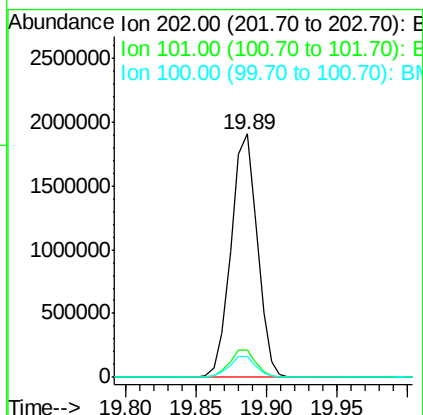
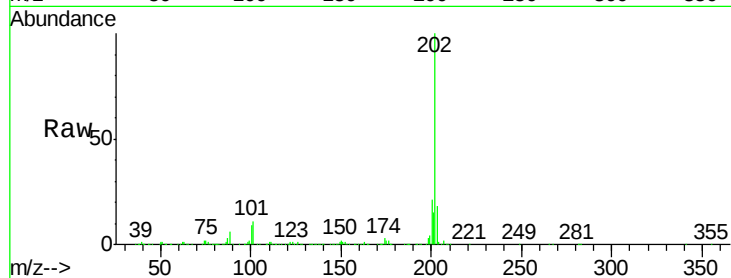




#76  
 Fluoranthene  
 Concen: 21.017 ng/ul  
 RT: 19.89 min Scan# 2771  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

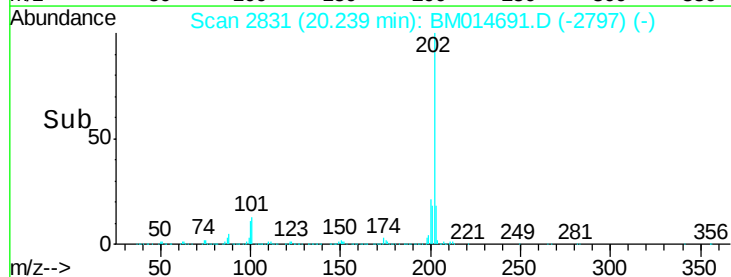
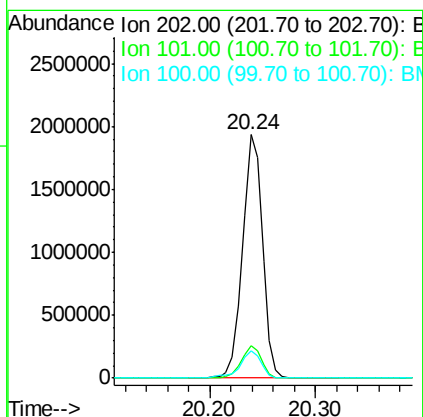
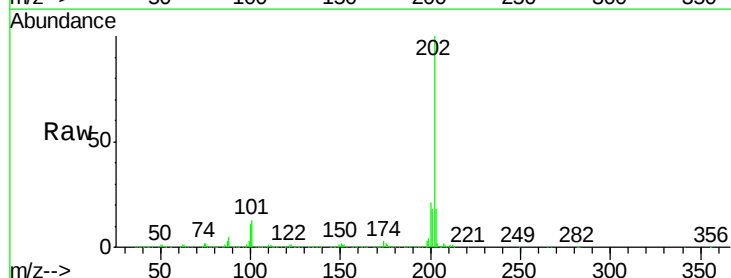
Instrument :  
 BNA\_M  
 ClientSampleId :

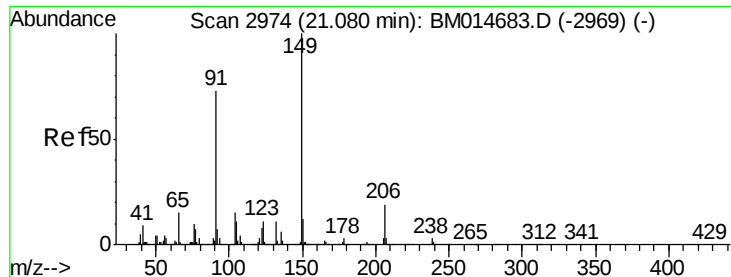
Tot Ion:202 Resp: 2474814  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 8.8 13.2  
 100 8.6 6.6 9.8



#79  
 Pyrene  
 Concen: 22.243 ng/ul  
 RT: 20.24 min Scan# 2831  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

Tgt Ion:202 Resp: 2513932  
 Ion Ratio Lower Upper  
 202 100  
 101 13.4 10.2 15.2  
 100 11.1 8.5 12.7

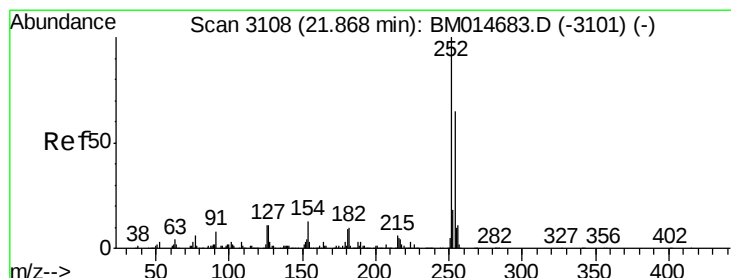
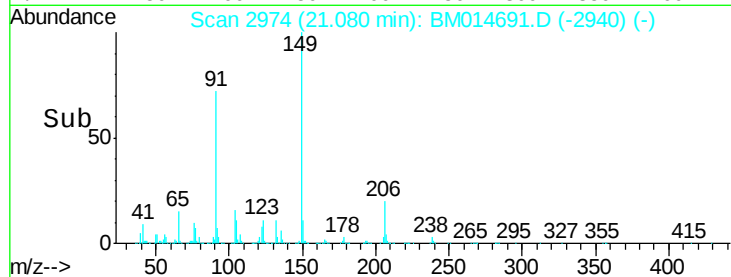
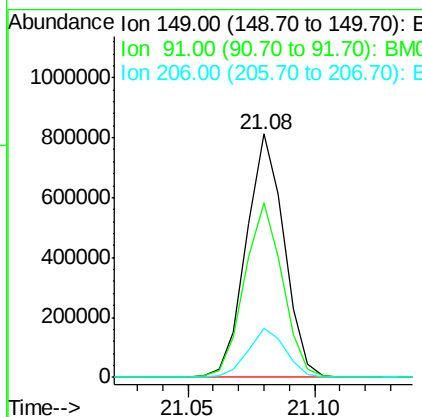
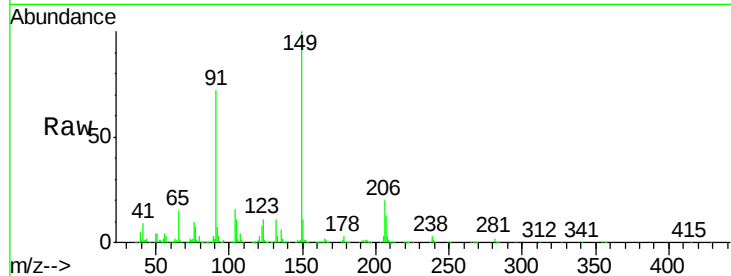




#80  
 Butylbenzylphthalate  
 Concen: 21.341 ng/ul  
 RT: 21.08 min Scan# 2974  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

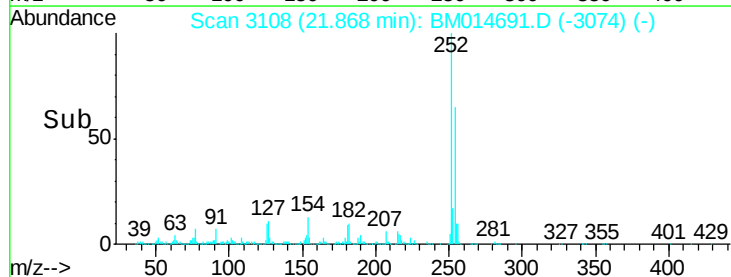
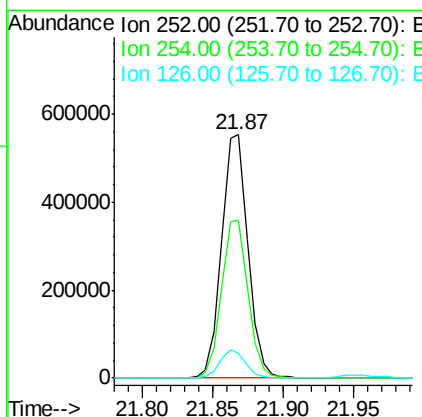
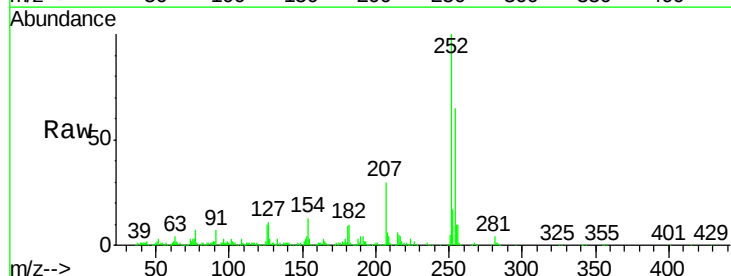
Instrument :  
 BNA\_M  
 ClientSampleId :

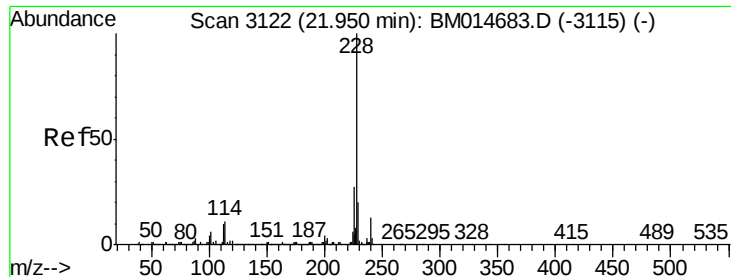
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 71.6  | 53.4  | 80.2  |
| 206     | 19.9  | 16.6  | 24.8  |



#81  
 3,3'-Dichlorobenzidine  
 Concen: 21.862 ng/ul  
 RT: 21.87 min Scan# 3108  
 Delta R.T. 0.00 min  
 Lab File: BM014691.D  
 Acq: 10 Apr 2018 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.6  | 52.2  | 78.2  |
| 126     | 10.4  | 9.4   | 14.2  |





#82

Benzo(a)anthracene

Concen: 20.604 ng/ul

RT: 21.95 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

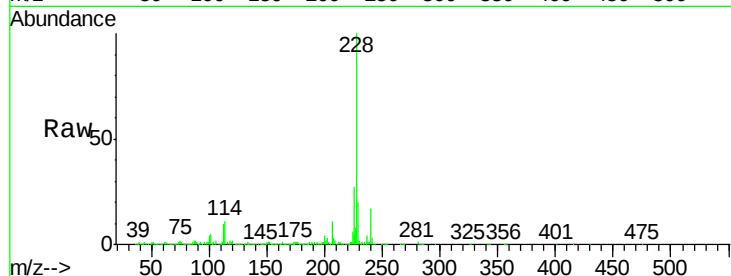
Instrument :

BNA\_M

ClientSampled :

Tot Ion:228 Resp: 2185560

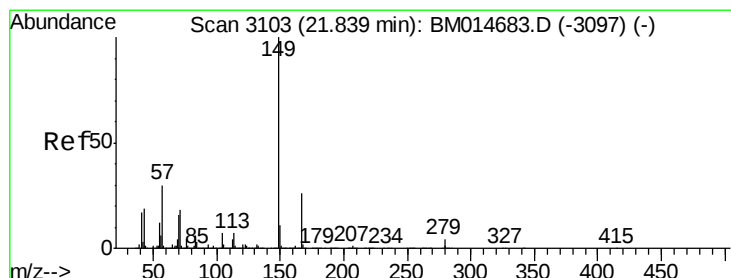
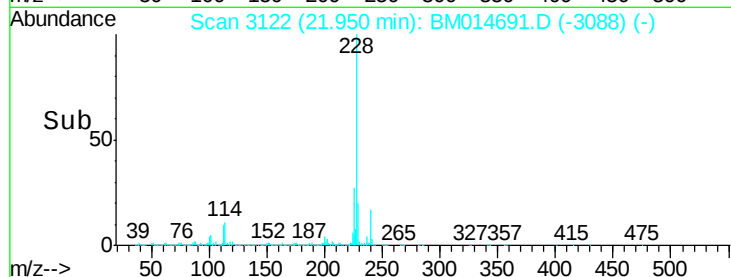
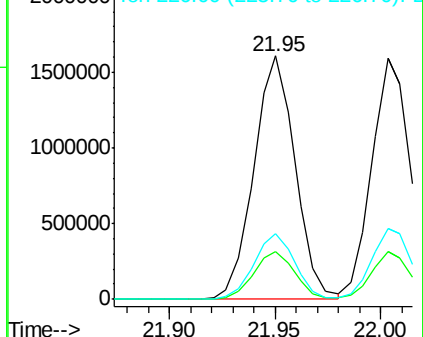
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.8  | 15.7  | 23.5  |
| 226 | 27.2  | 21.8  | 32.6  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 18.771 ng/ul

RT: 21.83 min Scan# 3102

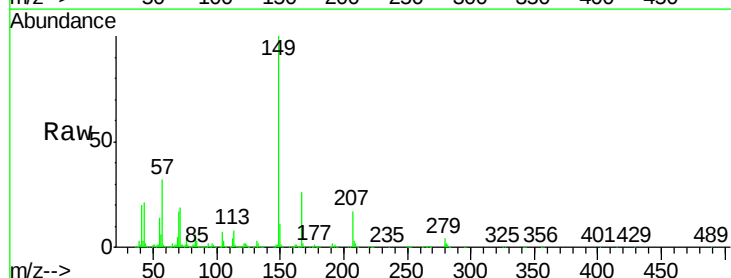
Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Tgt Ion:149 Resp: 1107310

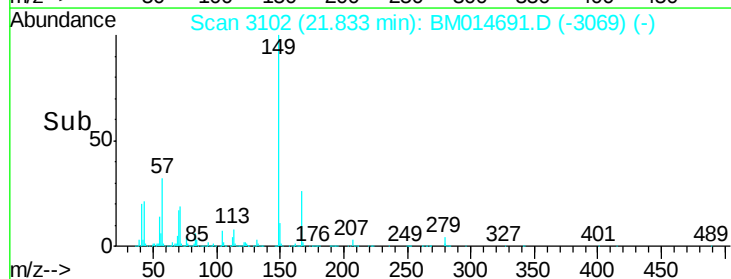
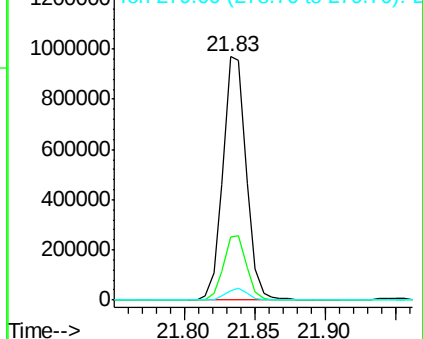
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.1  | 21.6  | 32.4  |
| 279 | 4.0   | 3.0   | 4.4   |

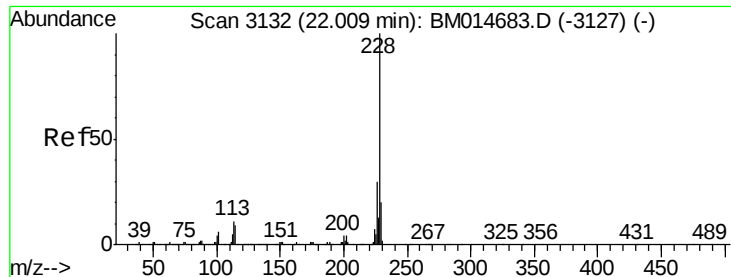


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 20.592 ng/ul

RT: 22.00 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

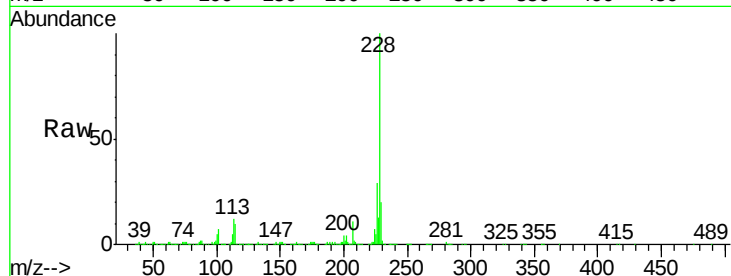
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 2039941

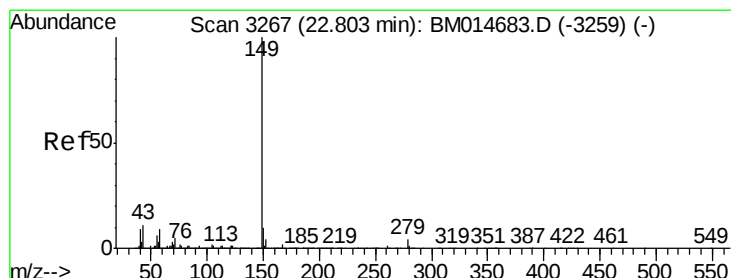
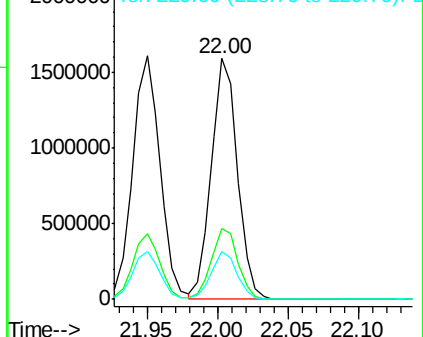
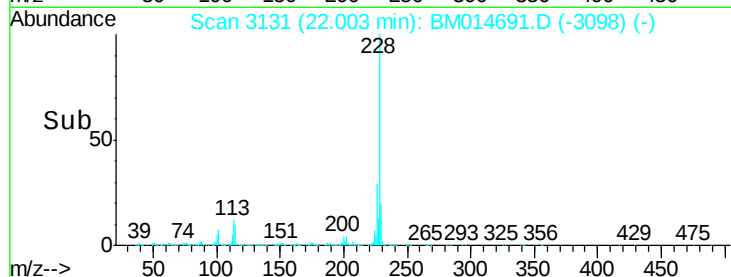
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.4  | 24.0  | 36.0  |
| 229 | 19.7  | 15.6  | 23.4  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Di-n-octyl phthalate

Concen: 17.989 ng/ul

RT: 22.80 min Scan# 3266

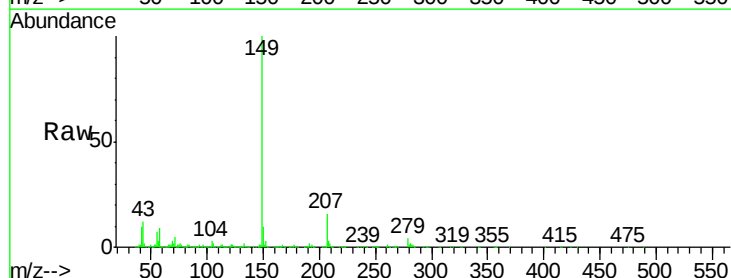
Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Tgt Ion:149 Resp: 1633946

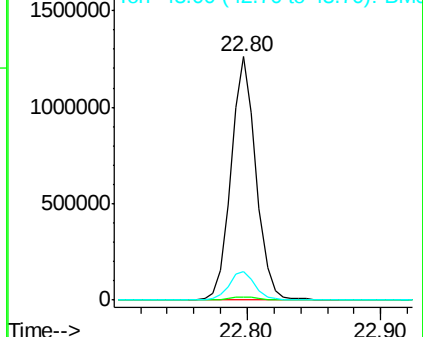
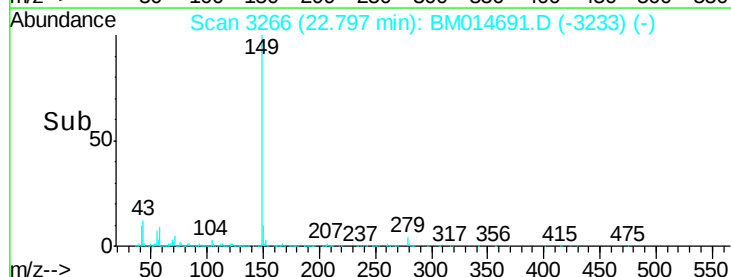
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.5   | 1.2   | 1.8   |
| 43  | 11.9  | 5.6   | 8.4   |

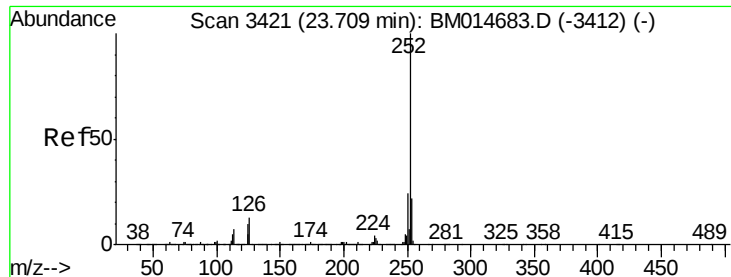


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#87

Benzo(b)fluoranthene

Concen: 20.619 ng/ul

RT: 23.71 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

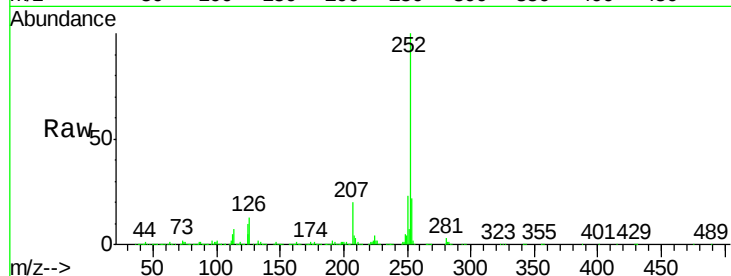
Tot Ion:252 Resp: 1915747

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

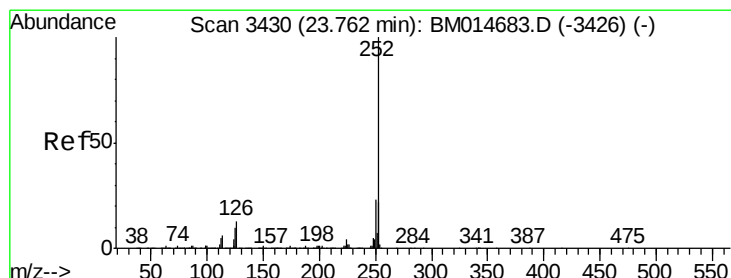
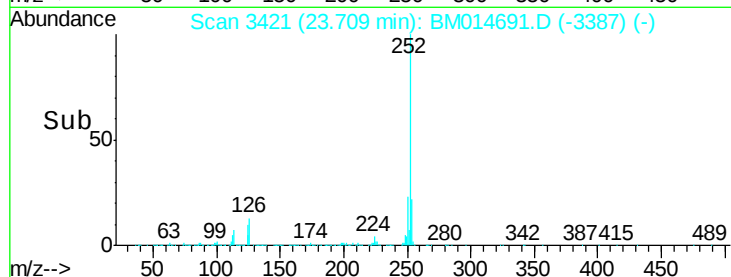
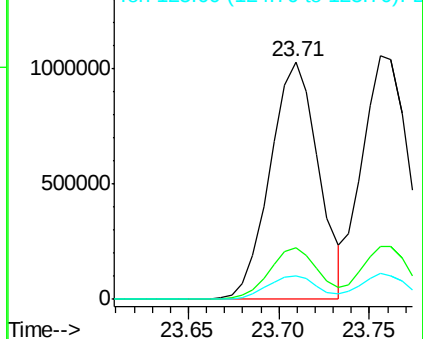
125 10.1 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 21.202 ng/ul

RT: 23.76 min Scan# 3429

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

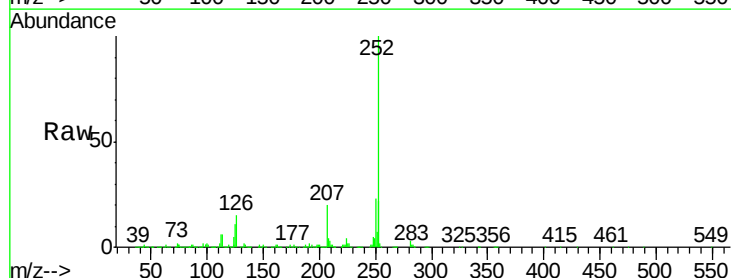
Tgt Ion:252 Resp: 1895699

Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

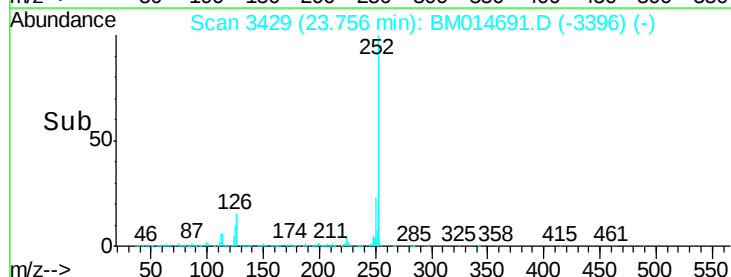
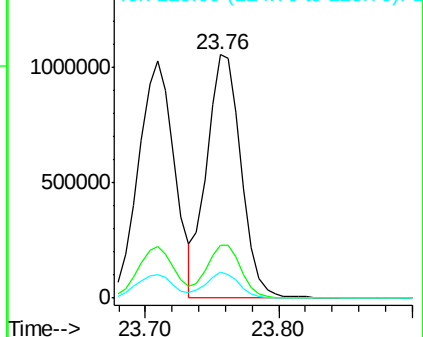
125 10.5 8.2 12.2

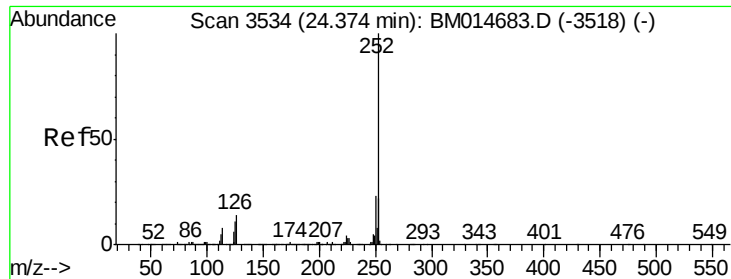


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 20.746 ng/ul

RT: 24.37 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampled :

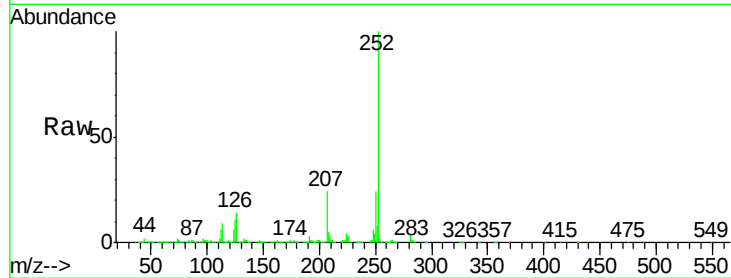
Tot Ion:252 Resp: 1804084

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

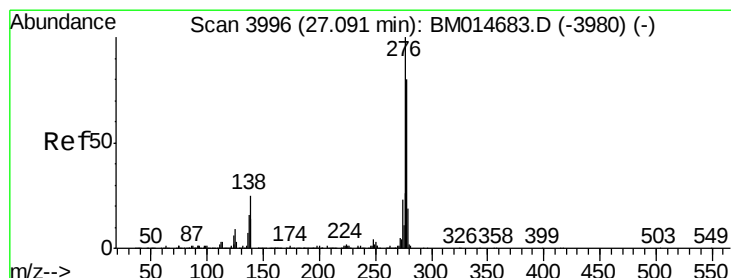
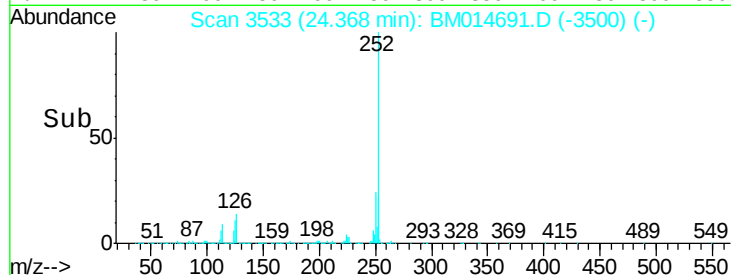
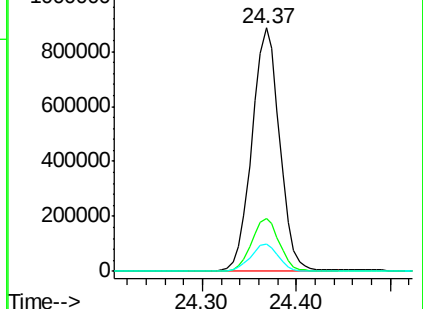
125 11.3 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 20.867 ng/ul

RT: 27.09 min Scan# 3995

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

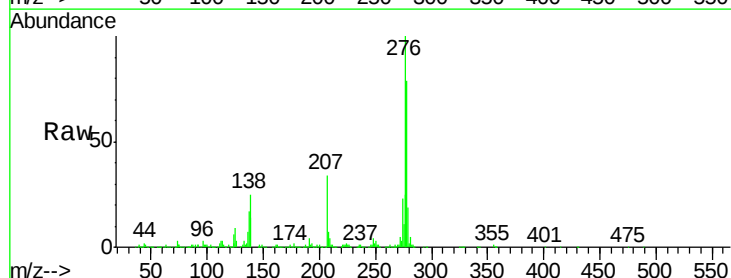
Tgt Ion:276 Resp: 2035054

Ion Ratio Lower Upper

276 100

138 24.9 22.3 33.5

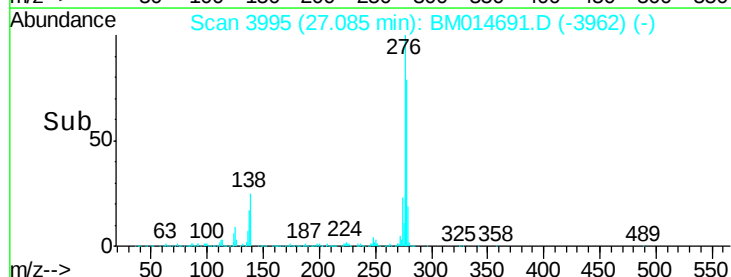
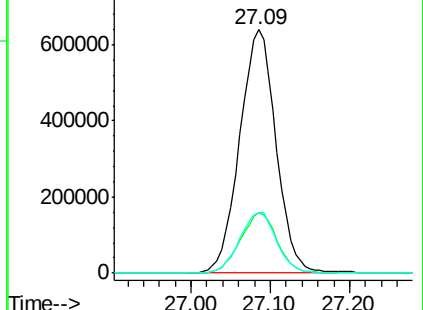
277 24.9 20.2 30.2

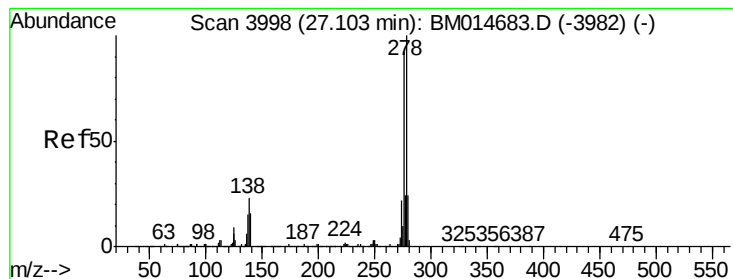


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 20.988 ng/ul

RT: 27.10 min Scan# 3997

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

Instrument :

BNA\_M

ClientSampleId :

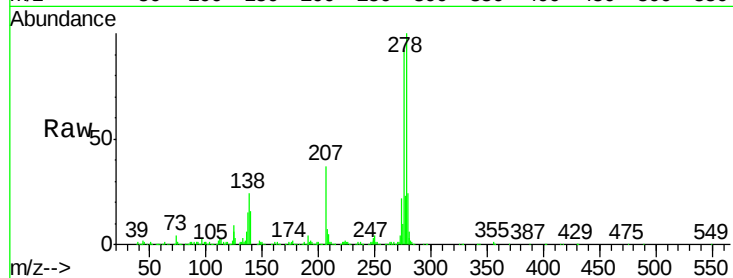
Tot Ion:278 Resp: 1716360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.4  | 13.9  | 20.9  |
| 279 | 23.8  | 19.0  | 28.4  |

278 100

139 16.4 13.9 20.9

279 23.8 19.0 28.4

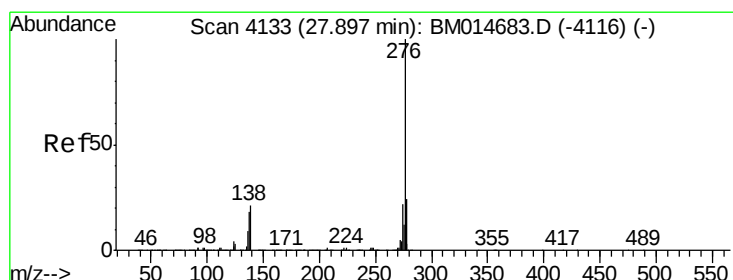
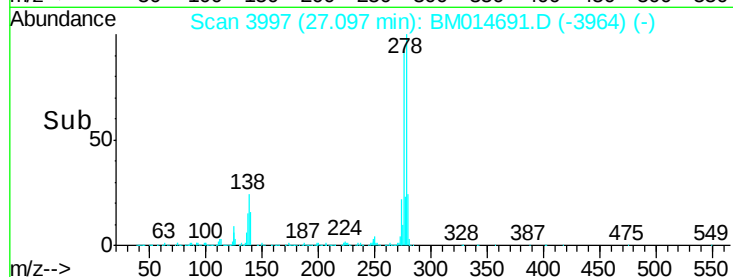
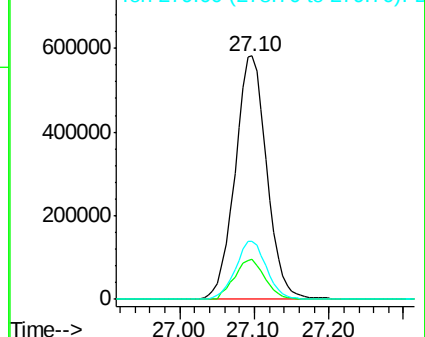


Abundance

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



#93

Benzo(g,h,i)perylene

Concen: 20.934 ng/ul

RT: 27.89 min Scan# 4131

Delta R.T. -0.01 min

Lab File: BM014691.D

Acq: 10 Apr 2018 17:21

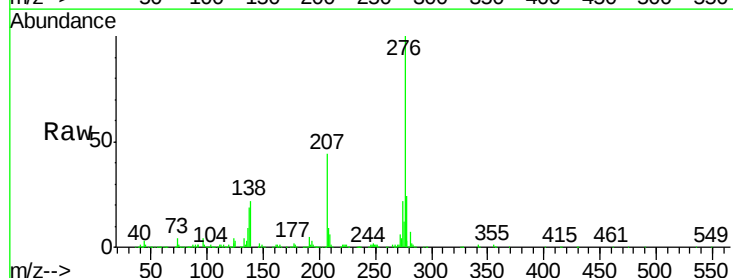
Tgt Ion:276 Resp: 1659825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 21.9  | 18.9  | 28.3  |
| 277 | 23.8  | 19.2  | 28.8  |

276 100

138 21.9 18.9 28.3

277 23.8 19.2 28.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

