

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071417\  
 Data File : BF096780.D  
 Acq On : 14 Jul 2017 19:14  
 Operator : SJ/JU  
 Sample : PB100644BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

Manual Integrations  
 APPROVED

mohammad  
 7/17/2017 3:56:32 PM

Quant Time: Jul 15 00:36:52 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.63  | 152  | 104395   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.91  | 136  | 418347   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.66  | 164  | 173111   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.13 | 188  | 310977   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.77 | 240  | 211650   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.14 | 264  | 178467   | 20.00 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.24  | 112  | 896142   | 129.07 | ng    | 0.00     |
| 7) Phenol-d6                | 6.28  | 99   | 953133   | 114.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 654081   | 96.84  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.45 | 330  | 207162   | 140.20 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.99  | 172  | 1019533  | 93.05  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.72 | 244  | 913646   | 74.86  | ng    | -0.01    |

| Target Compounds               | R.T. | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|------|------|----------|---------|-------|--------|
| 2) 1,4-Dioxane                 | 2.29 | 88   | 110925   | 31.049  | ng    | # 76   |
| 3) Pyridine                    | 2.96 | 79   | 279524   | 37.229  | ng    | # 61   |
| 4) n-Nitrosodimethylamine      | 2.90 | 42   | 177271   | 42.220  | ng    | # 77   |
| 6) Aniline                     | 6.29 | 93   | 350647   | 34.166  | ng    | # 23   |
| 8) 2-Chlorophenol              | 6.42 | 128  | 294501   | 39.318  | ng    | 100    |
| 9) Benzaldehyde                | 6.17 | 77   | 143346   | 29.766  | ng    | 100    |
| 10) Phenol                     | 6.29 | 94   | 354435   | 37.630  | ng    | 78     |
| 11) bis(2-Chloroethyl)ether    | 6.37 | 93   | 278152   | 39.271  | ng    | 92     |
| 12) 1,3-Dichlorobenzene        | 6.57 | 146  | 339037   | 42.582  | ng    | 99     |
| 13) 1,4-Dichlorobenzene        | 6.65 | 146  | 352841   | 43.760  | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 6.80 | 146  | 324661   | 44.269  | ng    | 96     |
| 15) Benzyl Alcohol             | 6.77 | 79   | 262939   | 48.203  | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45   | 660976   | 45.218  | ng    | 93     |
| 17) 2-Methylphenol             | 6.89 | 107  | 267821   | 45.981  | ng    | 99     |
| 18) Hexachloroethane           | 7.14 | 117  | 122165   | 42.728  | ng    | # 82   |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70   | 213752   | 42.583  | ng    | # 85   |
| 20) 3+4-Methylphenols          | 7.05 | 107  | 316117   | 44.725  | ng    | # 70   |
| 22) Acetophenone               | 7.04 | 105  | 433413   | 46.353  | ng    | # 97   |
| 24) Nitrobenzene               | 7.21 | 77   | 319991   | 45.810  | ng    | 94     |
| 25) Isophorone                 | 7.46 | 82   | 537609   | 42.789  | ng    | 95     |
| 26) 2-Nitrophenol              | 7.53 | 139  | 186647   | 48.055  | ng    | # 88   |
| 27) 2,4-Dimethylphenol         | 7.57 | 122  | 306693   | 47.997  | ng    | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.67 | 93   | 398724   | 46.963  | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.77 | 162  | 276006   | 47.719  | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.85 | 180  | 235745   | 42.868  | ng    | 97     |
| 31) Naphthalene                | 7.93 | 128  | 945102   | 47.689  | ng    | 99     |
| 32) Benzoic acid               | 7.72 | 122  | 231713   | 56.737  | ng    | 93     |
| 33) 4-Chloroaniline            | 7.98 | 127  | 313690   | 39.951  | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.06 | 225  | 132343   | 45.080  | ng    | 99     |
| 35) Caprolactam                | 8.36 | 113  | 92357m   | 49.834  | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.47 | 107  | 257670   | 41.431  | ng    | 89     |
| 37) 2-Methylnaphthalene        | 8.62 | 142  | 566915   | 44.870  | ng    | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216  | 196782   | 42.051  | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.78 | 237  | 184509   | 103.286 | ng    | 99     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

Manual Integrations  
 APPROVED

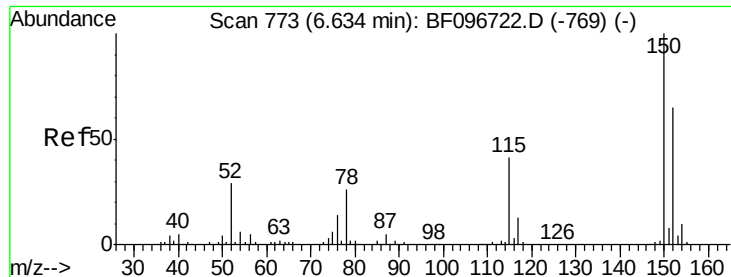
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 7/17/2017 3:56:32 PM

Quant Time: Jul 15 00:36:52 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.90  | 196  | 155626   | 45.085  | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 8.95  | 196  | 167828   | 48.209  | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.09  | 154  | 638488   | 43.005  | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.11  | 162  | 497602   | 45.516  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.20  | 65   | 176507   | 46.970  | ng    | 93       |
| 48) Acenaphthylene             | 9.52  | 152  | 795816   | 45.687  | ng    | 99       |
| 49) Dimethylphthalate          | 9.39  | 163  | 603589   | 46.306  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.45  | 165  | 131575   | 46.603  | ng #  | 86       |
| 51) Acenaphthene               | 9.69  | 154  | 459257   | 44.631  | ng    | 98       |
| 52) 3-Nitroaniline             | 9.62  | 138  | 125854   | 37.629  | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 9.73  | 184  | 145063   | 101.766 | ng #  | 75       |
| 54) Dibenzofuran               | 9.87  | 168  | 687170   | 47.654  | ng    | 98       |
| 55) 4-Nitrophenol              | 9.79  | 139  | 237026   | 97.003  | ng #  | 67       |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 172906   | 47.659  | ng #  | 76       |
| 57) Fluorene                   | 10.21 | 166  | 503160   | 47.220  | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.99  | 232  | 130733   | 54.148  | ng #  | 97       |
| 59) Diethylphthalate           | 10.09 | 149  | 580924   | 45.781  | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204  | 209630   | 48.534  | ng    | 92       |
| 61) 4-Nitroaniline             | 10.23 | 138  | 165682   | 52.752  | ng    | 93       |
| 62) Azobenzene                 | 10.36 | 77   | 551027   | 49.224  | ng    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.27 | 198  | 96894    | 49.626  | ng #  | 75       |
| 65) n-Nitrosodiphenylamine     | 10.32 | 169  | 484529   | 43.588  | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 142086   | 44.752  | ng    | 97       |
| 67) Hexachlorobenzene          | 10.76 | 284  | 151375   | 42.808  | ng #  | 92       |
| 68) Atrazine                   | 10.85 | 200  | 149102   | 47.080  | ng    | 93       |
| 69) Pentachlorophenol          | 10.95 | 266  | 154175   | 90.251  | ng    | 99       |
| 70) Phenanthrene               | 11.16 | 178  | 774784   | 45.821  | ng    | 99       |
| 71) Anthracene                 | 11.22 | 178  | 806974   | 47.202  | ng    | 99       |
| 72) Carbazole                  | 11.37 | 167  | 766628   | 46.306  | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.71 | 149  | 937611   | 45.475  | ng    | 99       |
| 74) Fluoranthene               | 12.34 | 202  | 846556   | 52.306  | ng    | 99       |
| 76) Benzidine                  | 12.47 | 184  | 469743   | 67.747  | ng #  | 92       |
| 77) Pyrene                     | 12.57 | 202  | 878208   | 45.720  | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.20 | 149  | 426265   | 93.412  | ng #  | 83       |
| 80) Benzo(a)anthracene         | 13.75 | 228  | 627172   | 47.558  | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.72 | 252  | 183403   | 38.675  | ng #  | 94       |
| 82) Chrysene                   | 13.79 | 228  | 623492   | 48.026  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149  | 487989   | 43.906  | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.37 | 149  | 737044   | 40.117  | ng #  | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 470388   | 39.024  | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.76 | 252  | 480573   | 44.648  | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 14.79 | 252  | 443785m  | 43.540  | ng    |          |
| 89) Benzo(a)pyrene             | 15.09 | 252  | 456430   | 46.234  | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.46 | 278  | 385767   | 42.467  | ng    | 96       |
| 91) Benzo(g,h,i)perylene       | 16.84 | 276  | 414389   | 42.600  | ng    | 99       |

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





#1

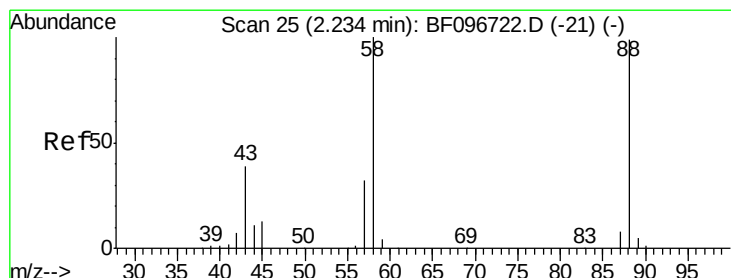
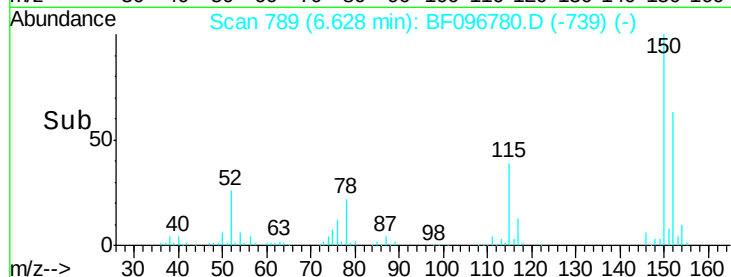
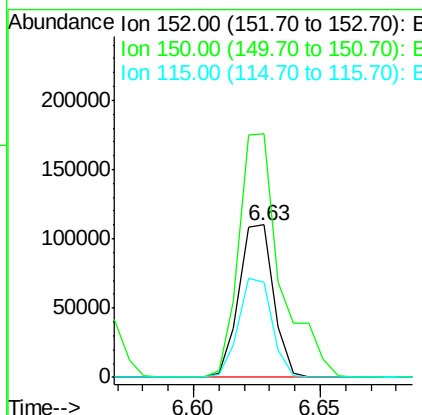
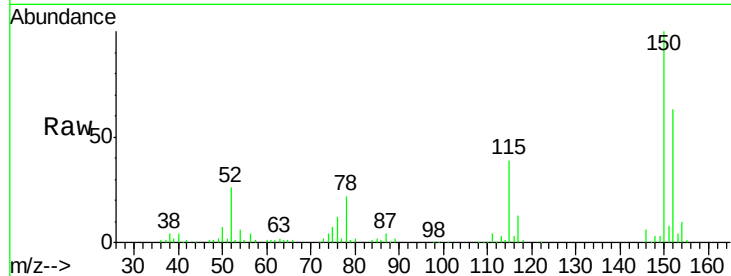
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.63 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.0 | 126.2 | 189.2 |
| 115     | 62.3  | 52.2  | 78.2  |

Manual Integrations  
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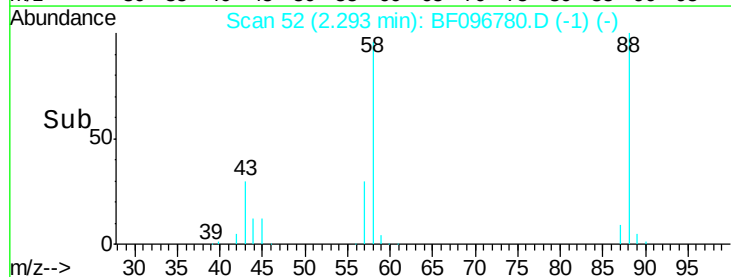
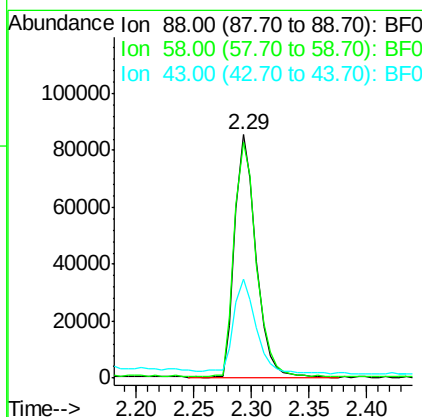
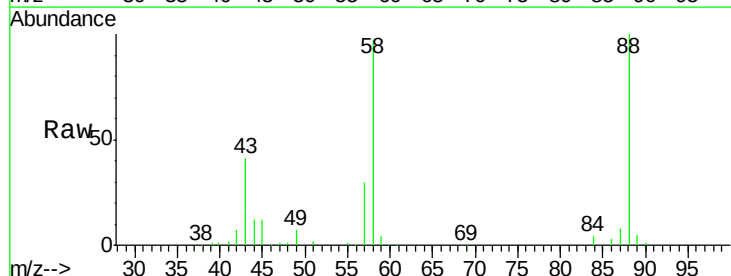
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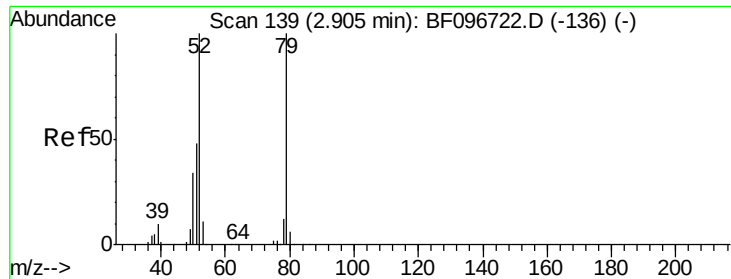


#2

1,4-Dioxane  
Concen: 31.049 ng  
RT: 2.29 min Scan# 52  
Delta R.T. 0.06 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 98.6  | 61.4  | 92.0# |
| 43      | 40.5  | 23.4  | 35.0# |





#3

Pyridine

Concen: 37.229 ng

RT: 2.96 min Scan# 165

Delta R.T. 0.05 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

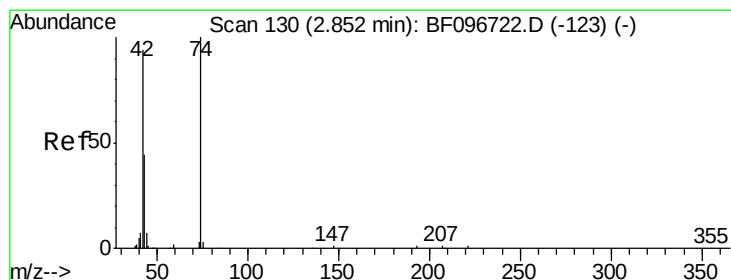
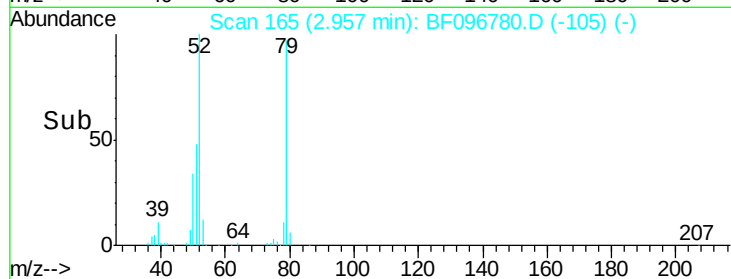
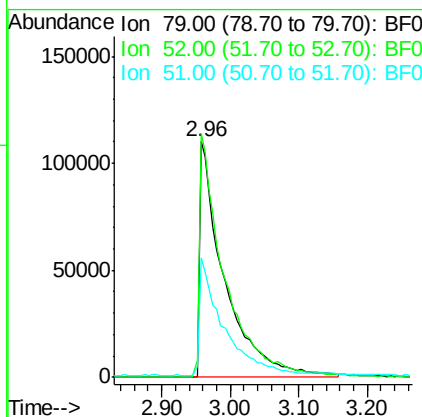
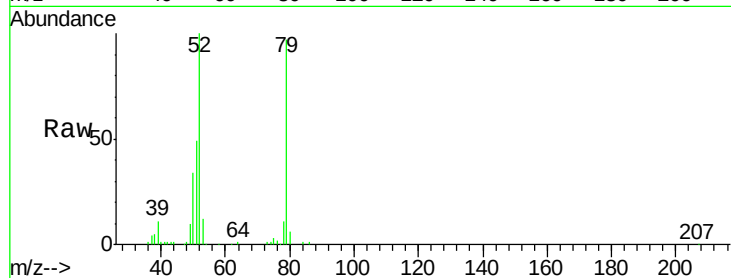
ClientSampleId :

PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 103.3 | 54.8  | 82.2# |
| 51      | 50.7  | 27.0  | 40.4# |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 42.220 ng

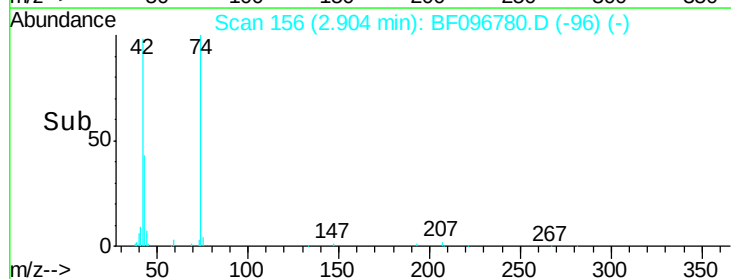
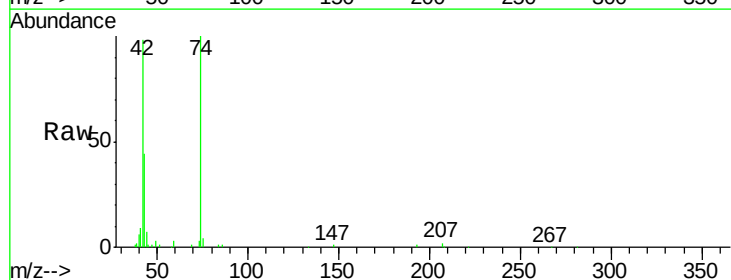
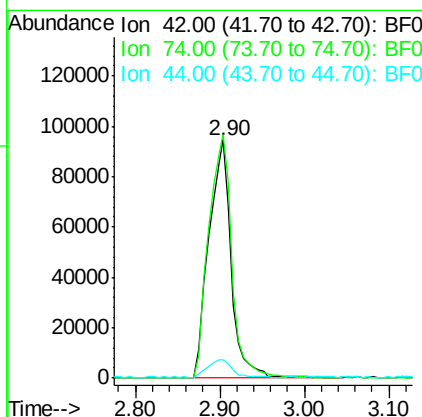
RT: 2.90 min Scan# 156

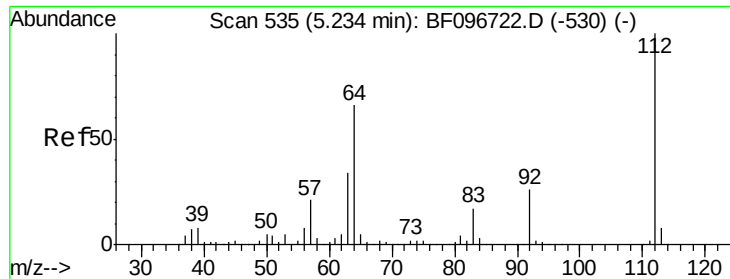
Delta R.T. 0.05 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 102.3 | 103.9 | 155.9# |
| 44      | 7.7   | 5.7   | 8.5    |





#5

2-Fluorophenol

Concen: 129.070 ng

RT: 5.24 min Scan# 553

Delta R.T. 0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

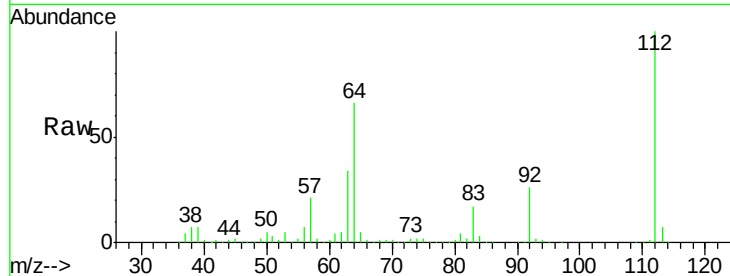
ClientSampleId :

PB100644BS

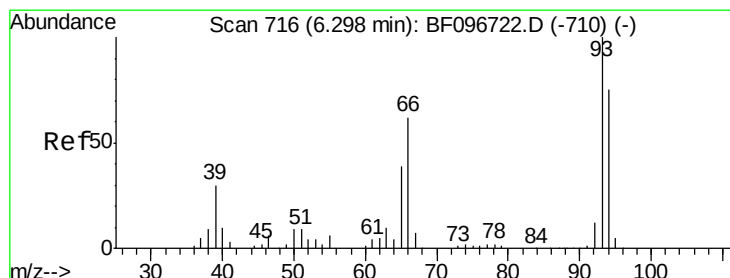
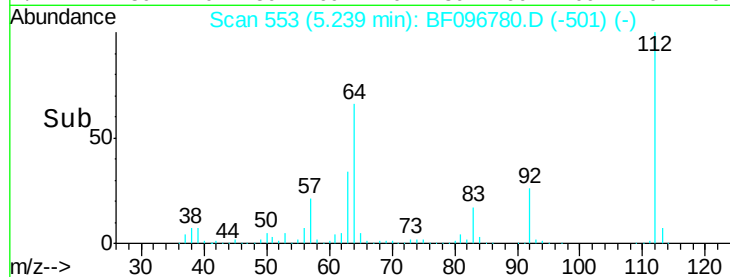
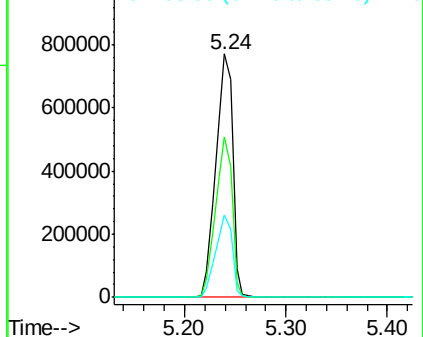
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 896142 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 66.0  | 46.0  | 69.0   |
| 63        | 33.8  | 23.4  | 35.0   |

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Abundance Ion 112.00 (111.70 to 112.70): BF0  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 34.166 ng

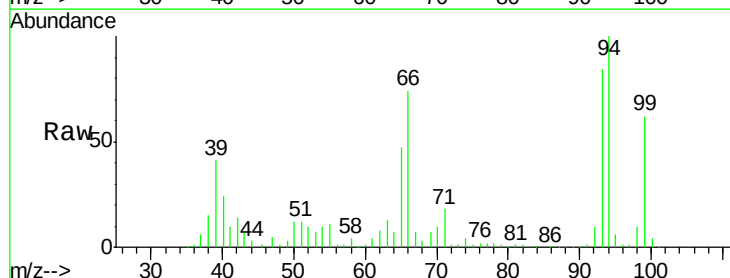
RT: 6.29 min Scan# 731

Delta R.T. -0.01 min

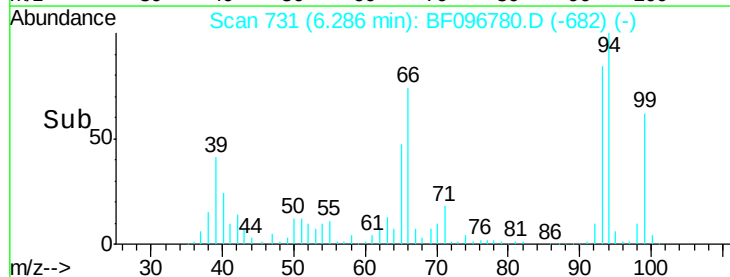
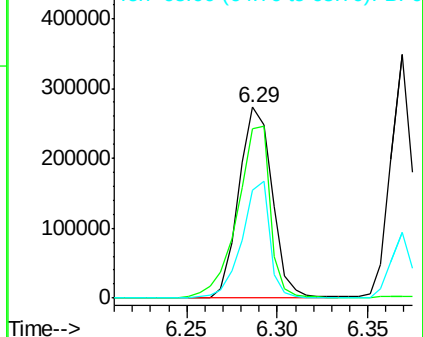
Lab File: BF096780.D

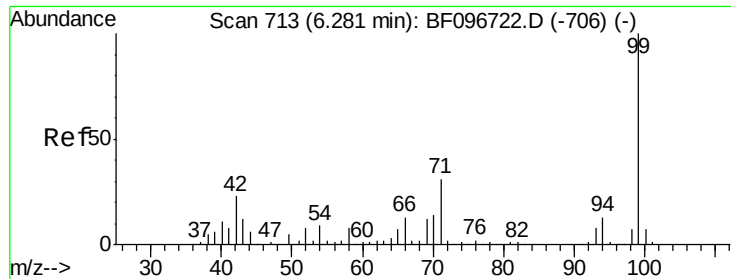
Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 350647 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 88.6  | 32.9  | 49.3#  |
| 65        | 56.7  | 16.0  | 24.0#  |



Abundance Ion 93.00 (92.70 to 93.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.396 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

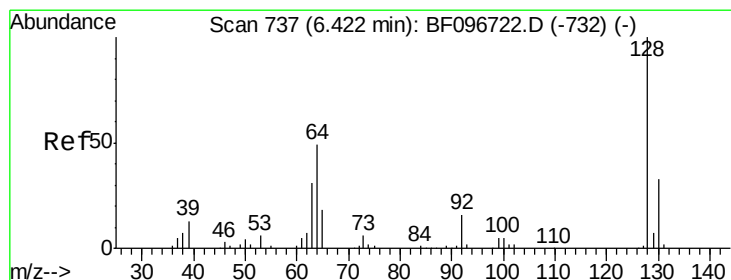
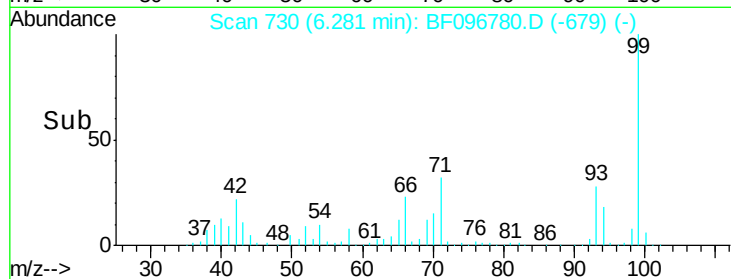
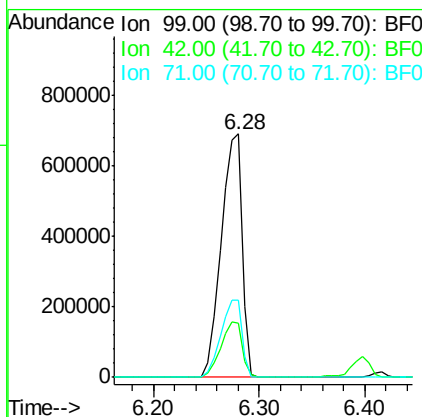
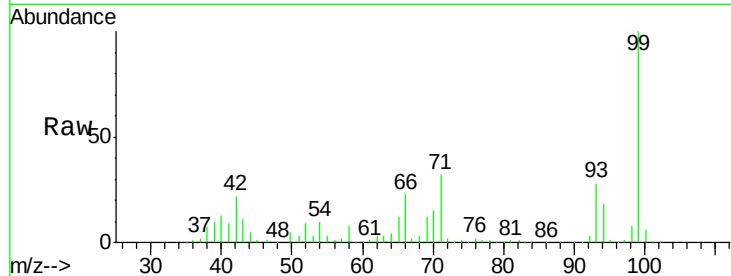
ClientSampleId :

PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 953133 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 22.2  | 13.5  | 20.3#  |
| 71        | 31.6  | 24.5  | 36.7   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 39.318 ng

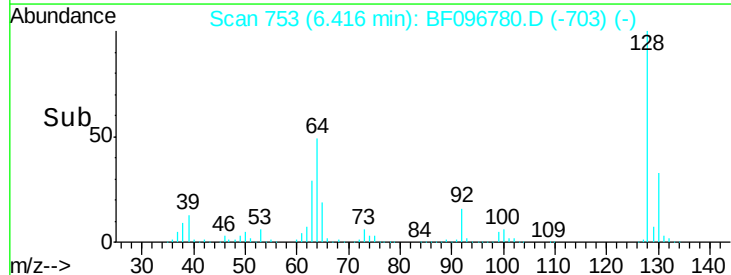
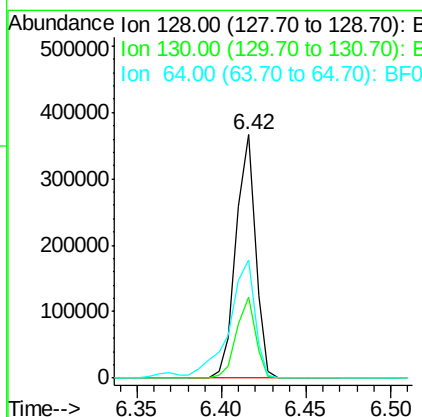
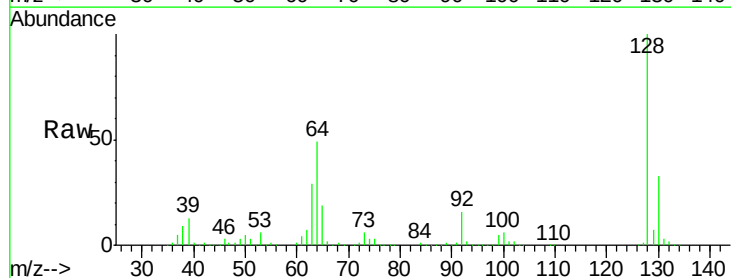
RT: 6.42 min Scan# 753

Delta R.T. -0.01 min

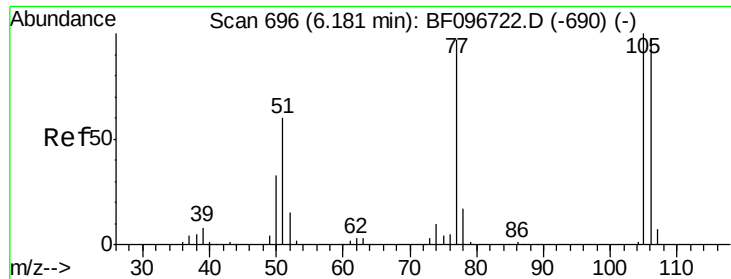
Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 294501 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.1  | 12.9  | 52.9   |
| 64        | 48.7  | 28.4  | 68.4   |







#9

Benzaldehyde

Concen: 29.766 ng

RT: 6.17 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

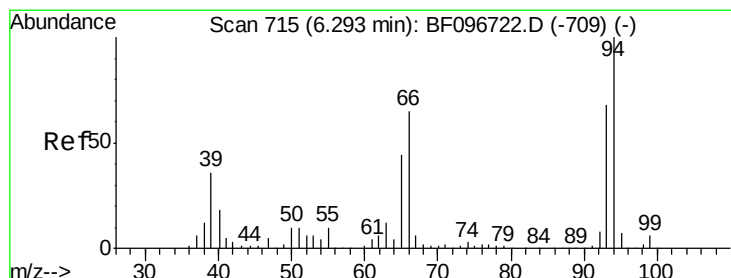
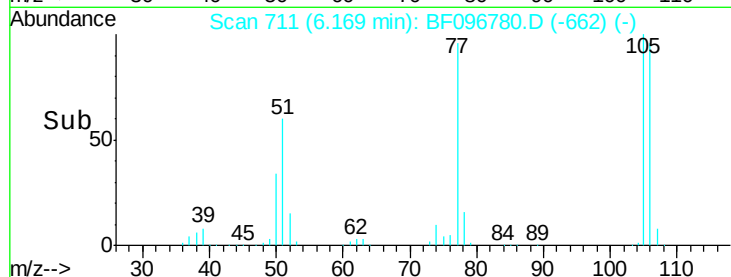
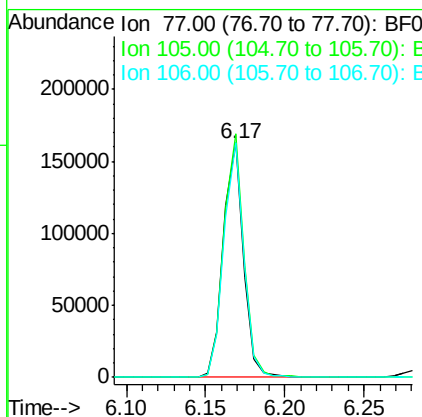
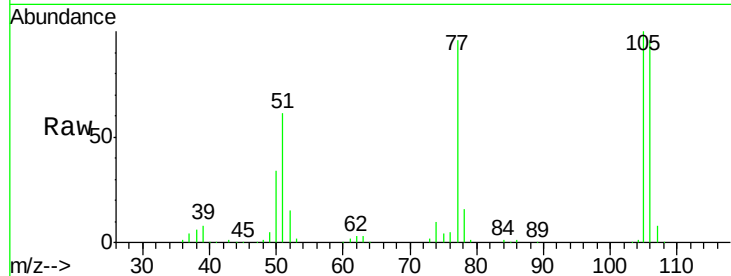
ClientSampleId :

PB100644BS

Tgt Ion: 77 Resp: 143346  
 Ion Ratio Lower Upper  
 77 100  
 105 103.8 83.8 123.8  
 106 99.9 79.1 119.1

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#10

Phenol

Concen: 37.630 ng

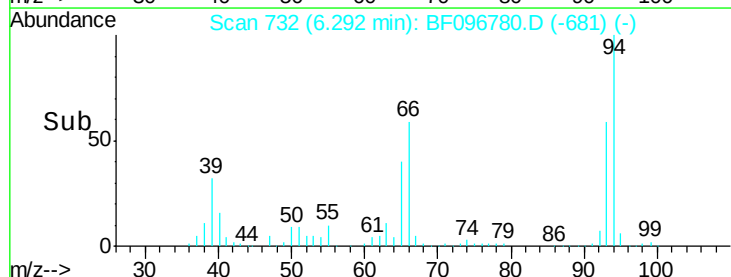
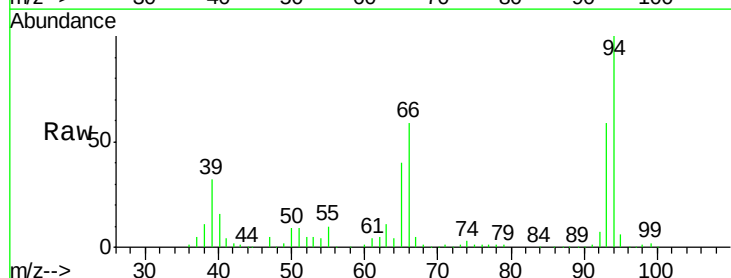
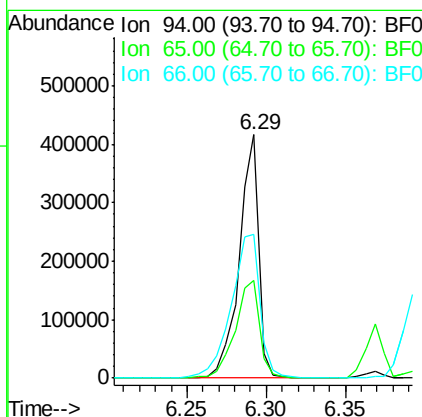
RT: 6.29 min Scan# 732

Delta R.T. -0.00 min

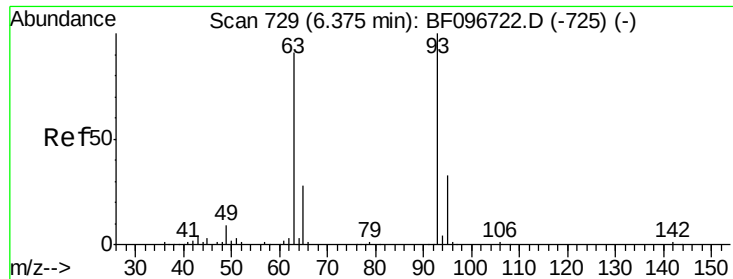
Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Tgt Ion: 94 Resp: 354435  
 Ion Ratio Lower Upper  
 94 100  
 65 40.1 9.9 49.9  
 66 59.0 23.1 63.1







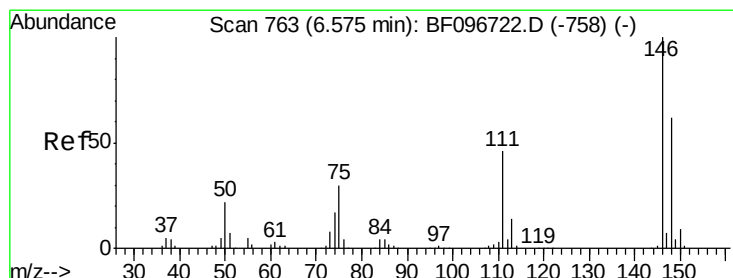
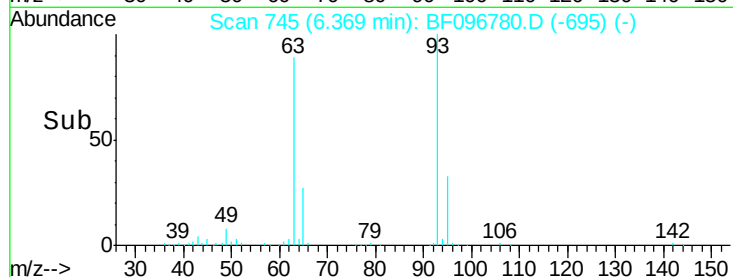
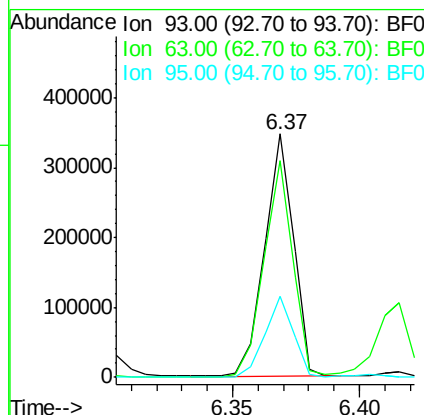
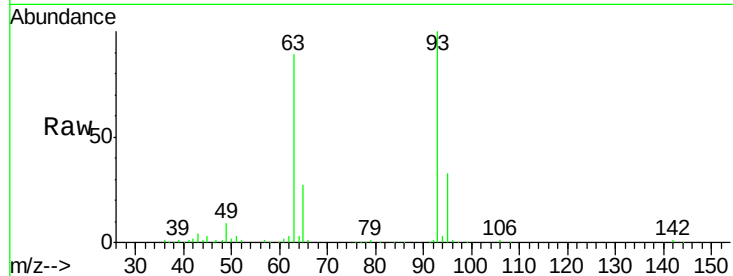
#11  
bis(2-Chloroethyl)ether  
Concen: 39.271 ng  
RT: 6.37 min Scan# 745  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 278152 |       |       |
| 63      | 88.9  | 59.2   | 99.2  |       |
| 95      | 33.3  | 12.8   | 52.8  |       |

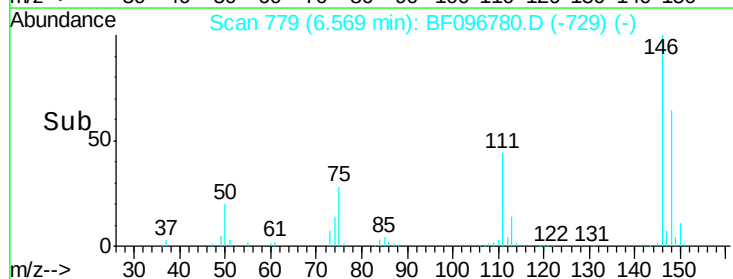
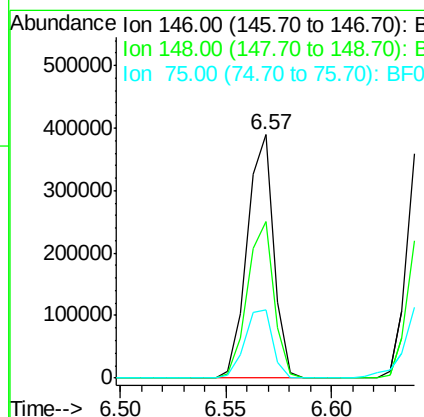
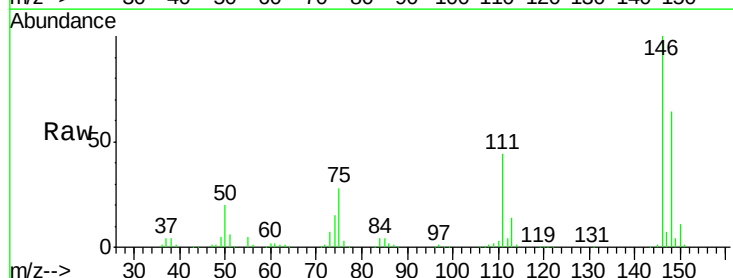
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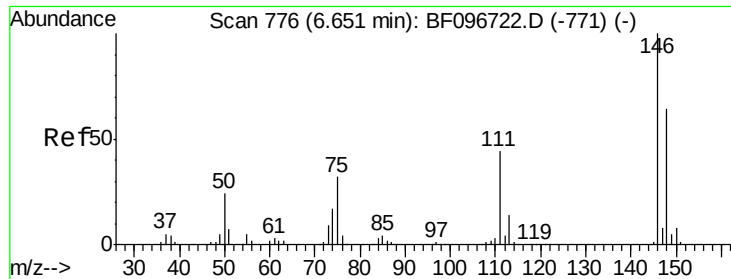
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 42.582 ng  
RT: 6.57 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 339037 |       |       |
| 148     | 64.3  | 51.8   | 77.6  |       |
| 75      | 28.0  | 23.1   | 34.7  |       |





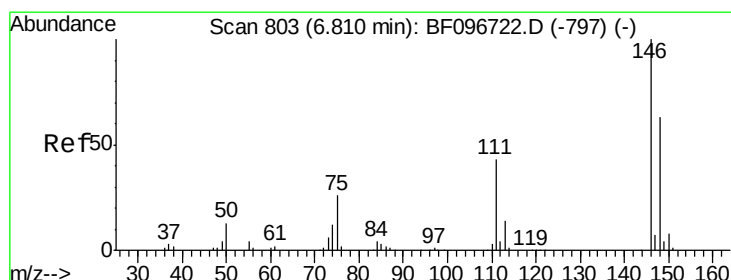
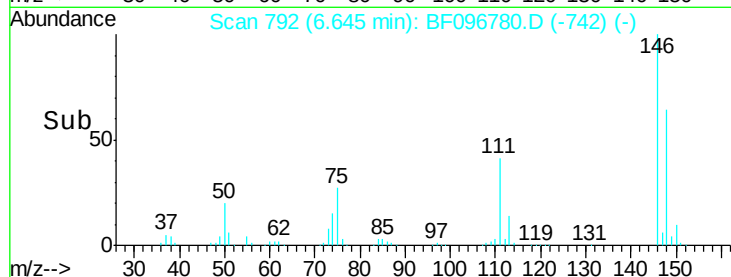
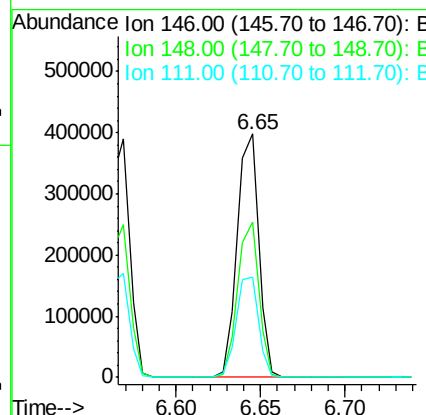
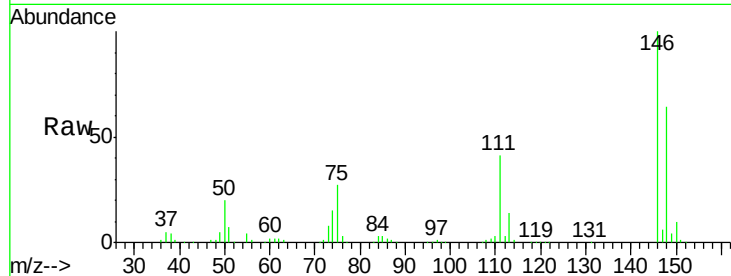
#13  
1,4-Dichlorobenzene  
Concen: 43.760 ng  
RT: 6.65 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 52.2  | 78.2  |
| 111     | 41.2  | 30.3  | 45.5  |

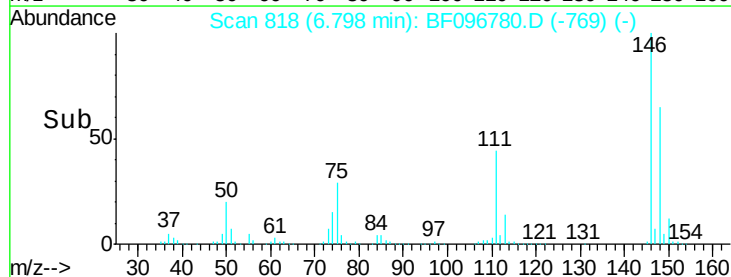
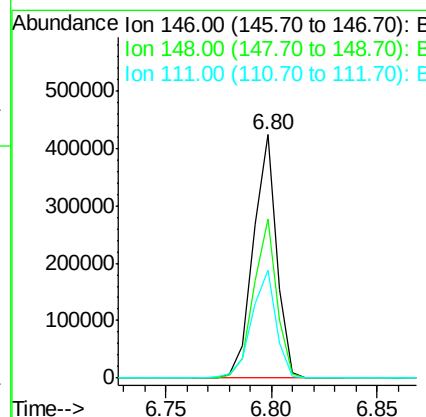
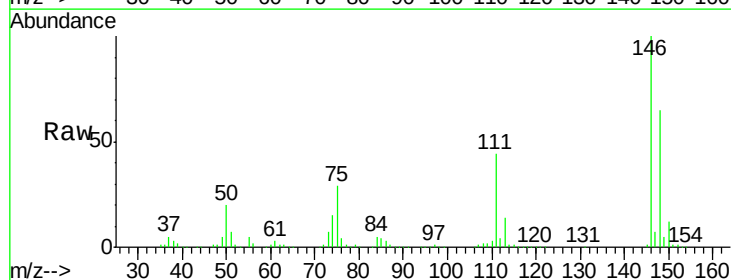
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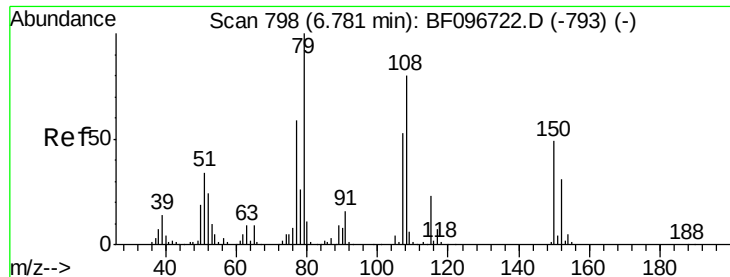
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#14  
1,2-Dichlorobenzene  
Concen: 44.269 ng  
RT: 6.80 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.4  | 50.4  | 75.6  |
| 111     | 44.2  | 38.2  | 57.4  |





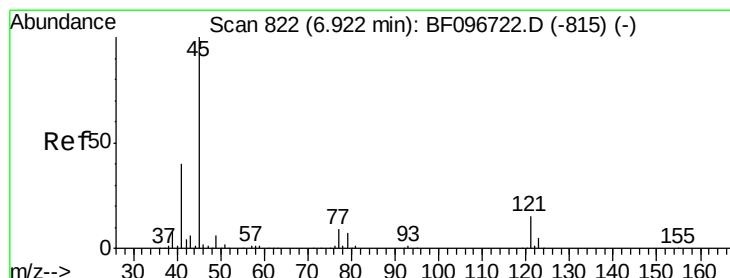
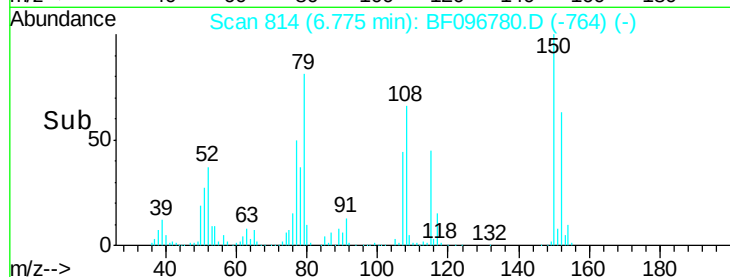
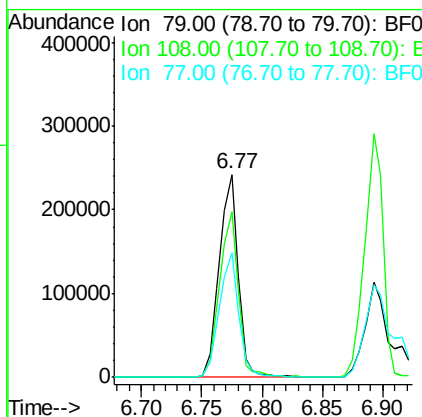
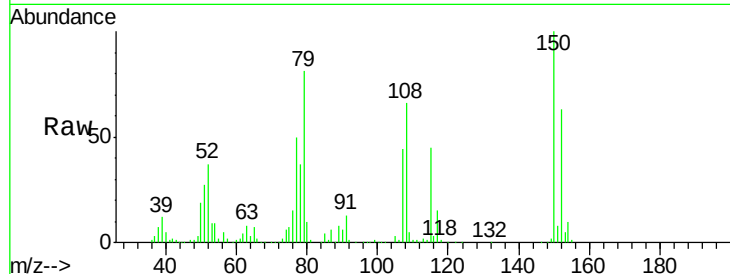
#15  
Benzyl Alcohol  
Concen: 48.203 ng  
RT: 6.77 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 81.6  | 63.4  | 95.0  |
| 77      | 61.7  | 49.2  | 73.8  |

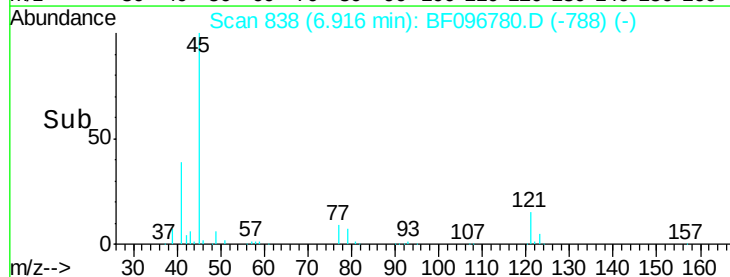
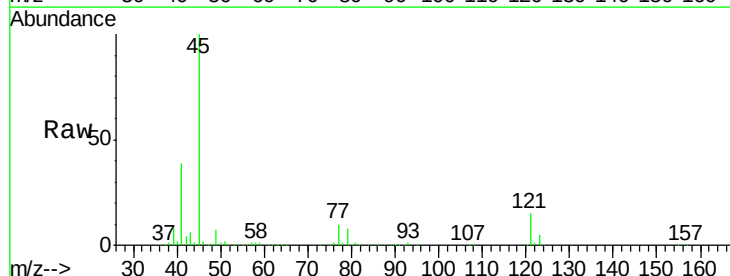
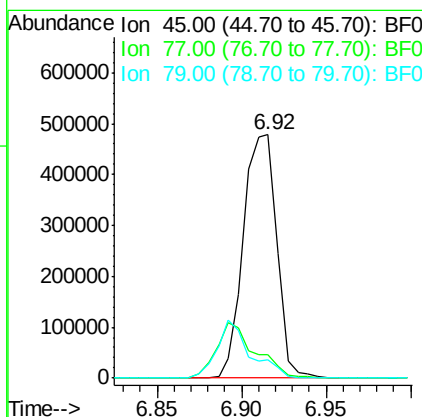
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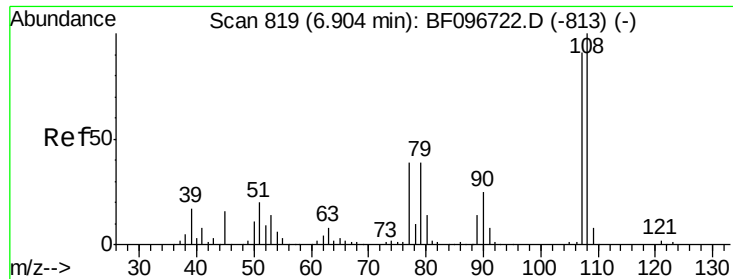
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.218 ng  
RT: 6.92 min Scan# 838  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 9.9   | 0.0   | 33.2  |
| 79      | 7.7   | 0.0   | 30.0  |





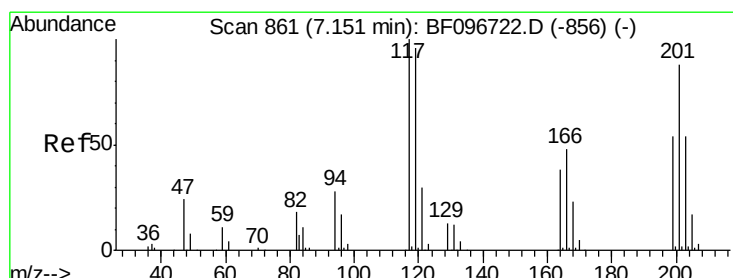
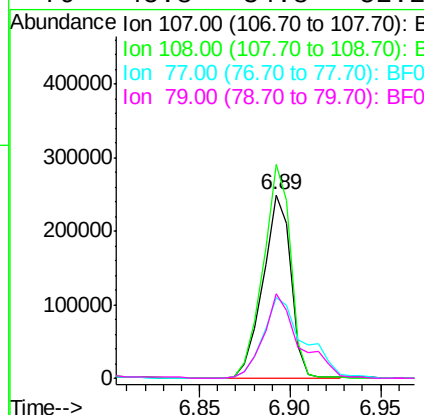
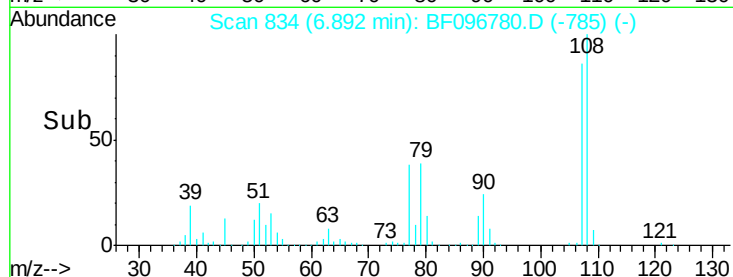
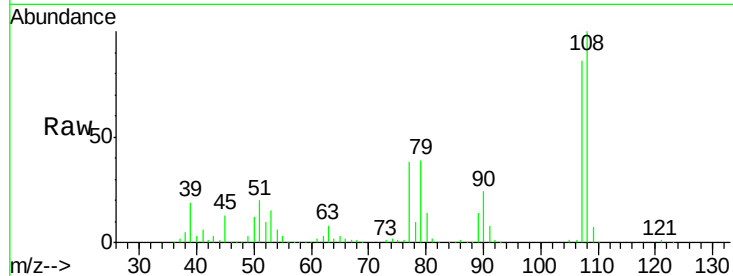
#17  
2-Methylphenol  
Concen: 45.981 ng  
RT: 6.89 min Scan# 834  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 267821 |       |       |
| 108     | 116.6 | 93.4   | 140.0 |       |
| 77      | 44.2  | 35.8   | 53.6  |       |
| 79      | 45.8  | 34.8   | 52.2  |       |

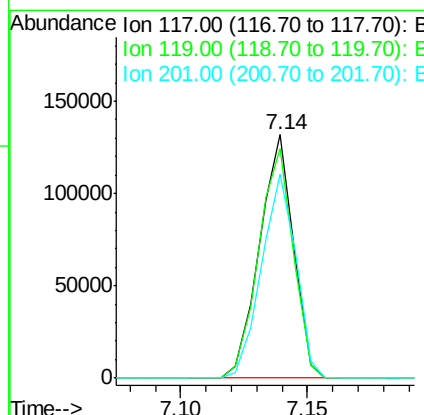
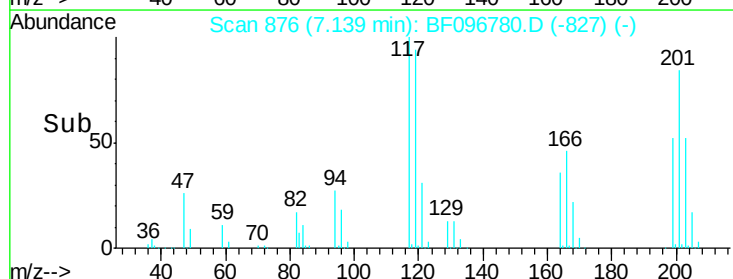
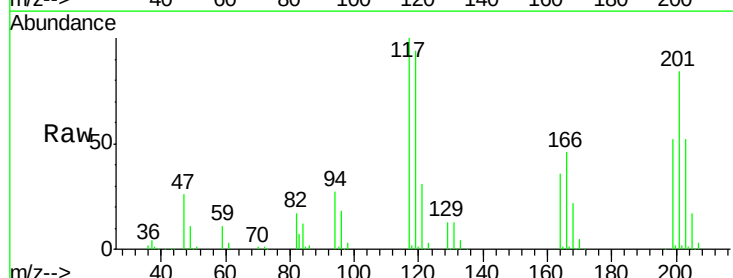
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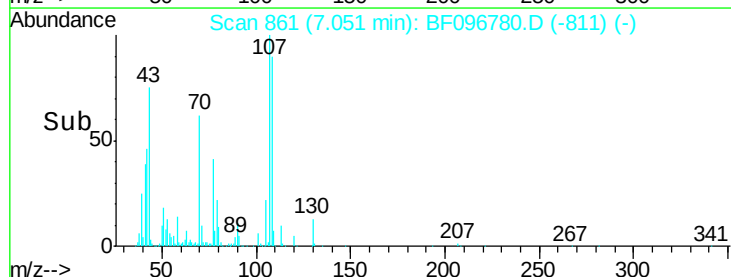
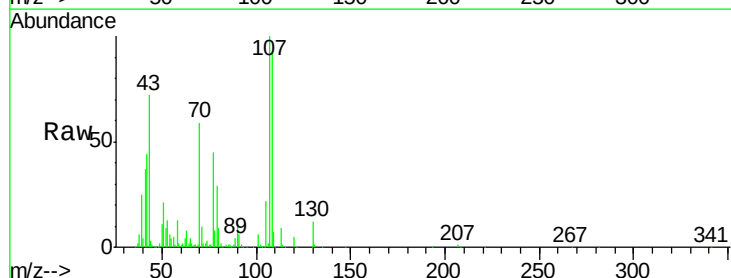
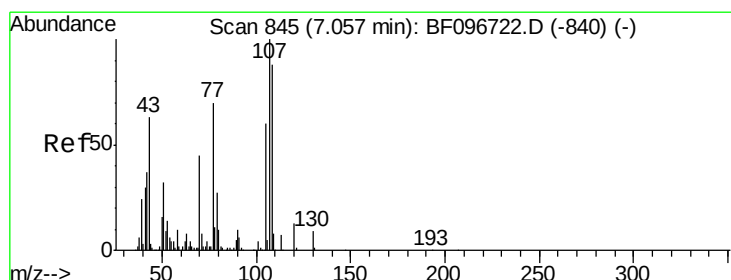
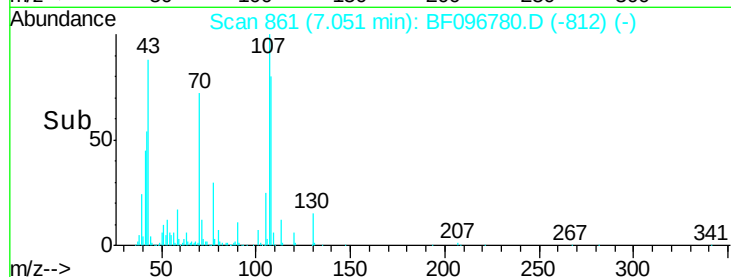
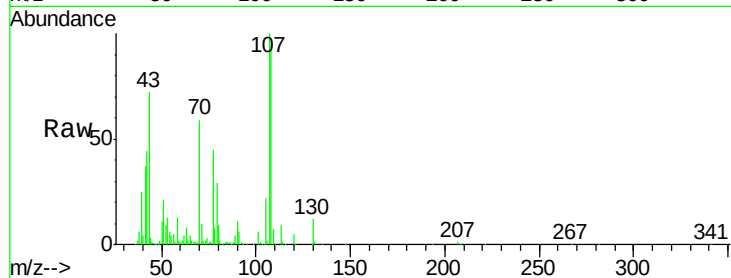
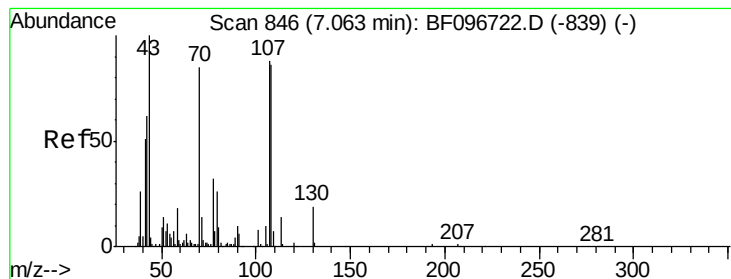
mohammad  
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#18  
Hexachloroethane  
Concen: 42.728 ng  
RT: 7.14 min Scan# 876  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 117     | 100   | 122165 |        |       |
| 119     | 94.3  | 77.4   | 116.0  |       |
| 201     | 83.8  | 94.6   | 141.8# |       |





#19

n-Nitroso-di-n-propylamine

Concen: 42.583 ng

RT: 7.05 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

ClientSampleId :

PB100644BS

Tgt Ion: 70 Resp: 213752

Ion Ratio Lower Upper

70 100

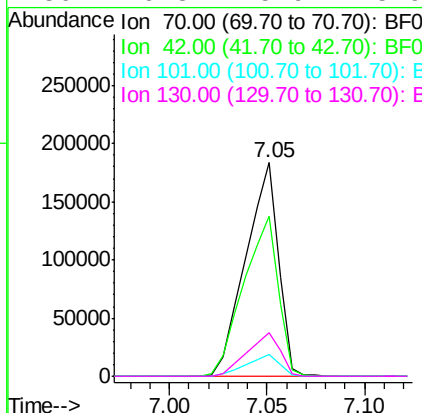
42 75.1 47.2 70.8#

101 10.2 7.2 10.8

130 20.3 15.9 23.9

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#20

3+4-Methylphenols

Concen: 44.725 ng

RT: 7.05 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Tgt Ion: 107 Resp: 316117

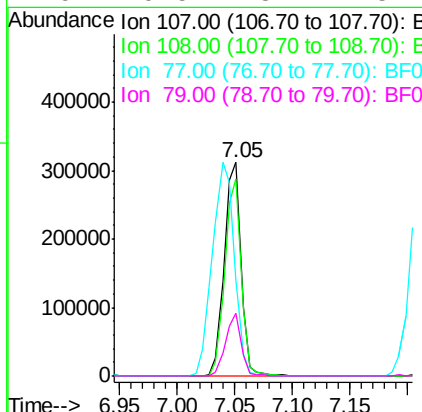
Ion Ratio Lower Upper

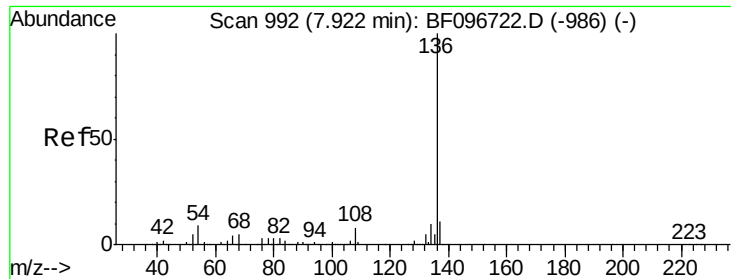
107 100

108 92.0 71.0 111.0

77 45.0 90.5 130.5#

79 29.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.91 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

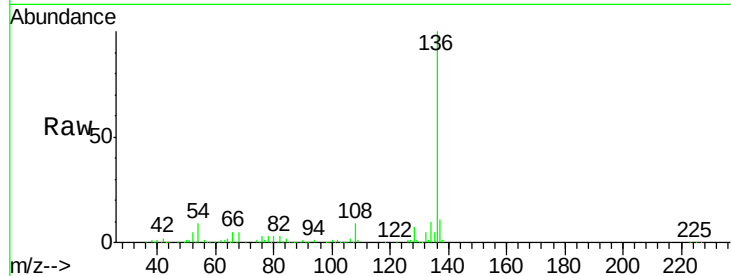
ClientSampleId :

PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 418347 |       |       |
| 137     | 10.8  | 8.5    | 12.7  |       |
| 54      | 9.1   | 4.9    | 7.3   |       |
| 68      | 4.9   | 4.1    | 6.1   |       |

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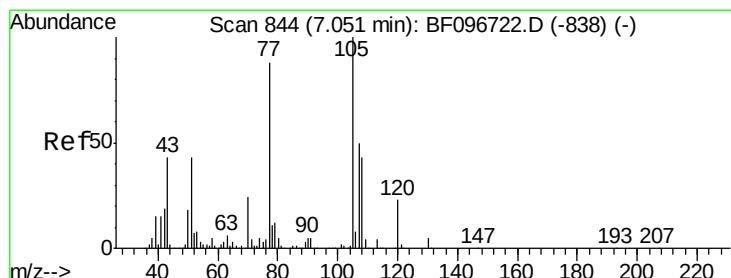
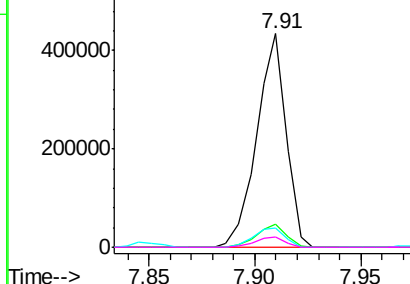
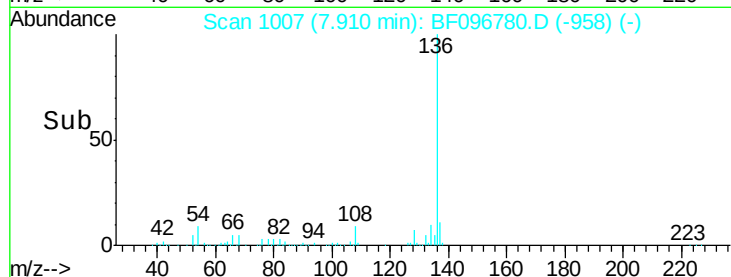


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.353 ng

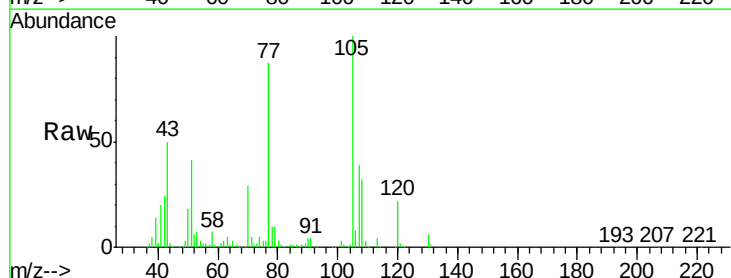
RT: 7.04 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 433413 |       |       |
| 71      | 4.8   | 2.8    | 4.2   |       |
| 51      | 41.5  | 30.7   | 46.1  |       |
| 120     | 21.9  | 17.4   | 26.0  |       |

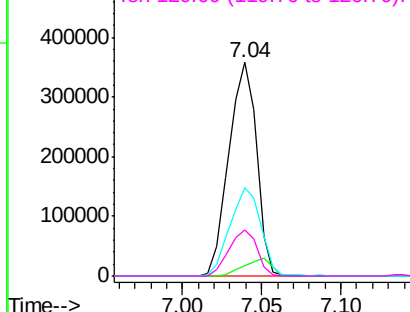
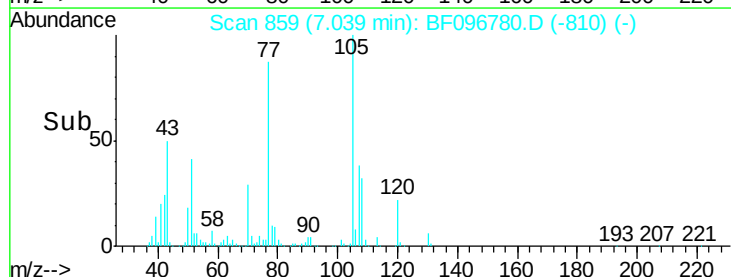


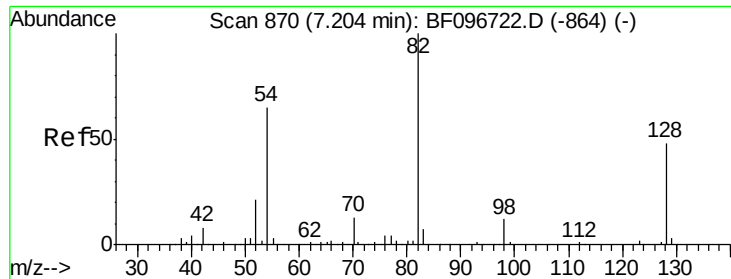
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





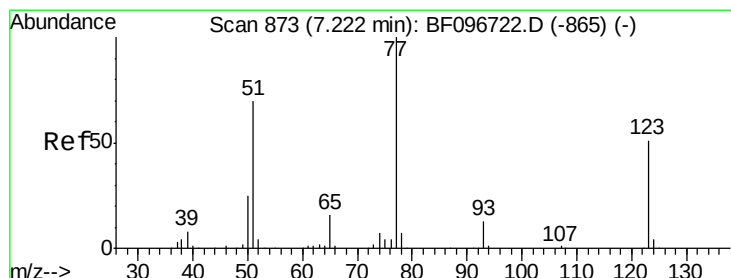
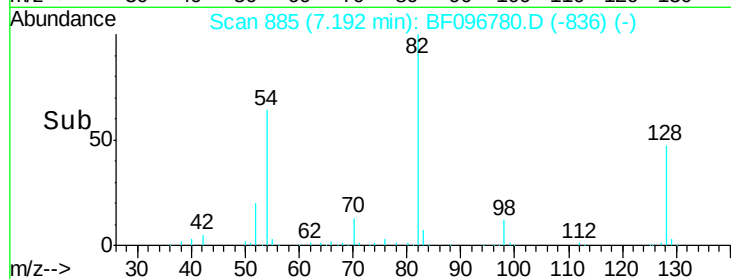
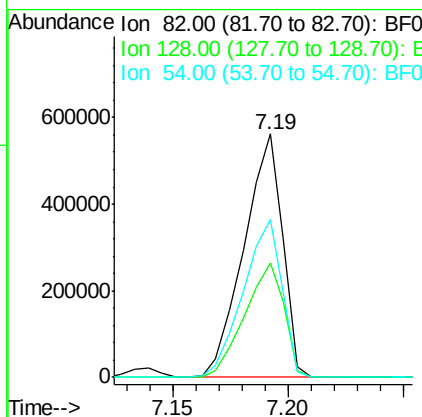
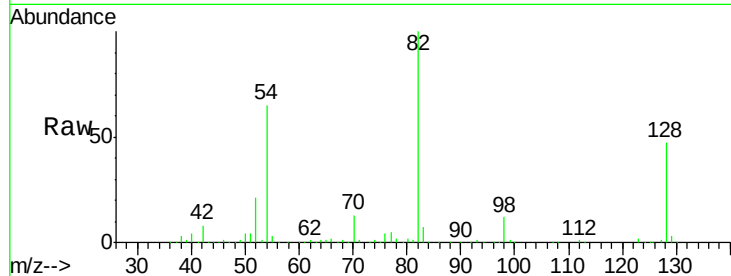
#23  
 Nitrobenzene-d5  
 Concen: 96.844 ng  
 RT: 7.19 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 82      | 100   |            |            |
| 128     | 46.8  | 34.0       | 51.0       |
| 54      | 64.8  | 42.2       | 63.2       |

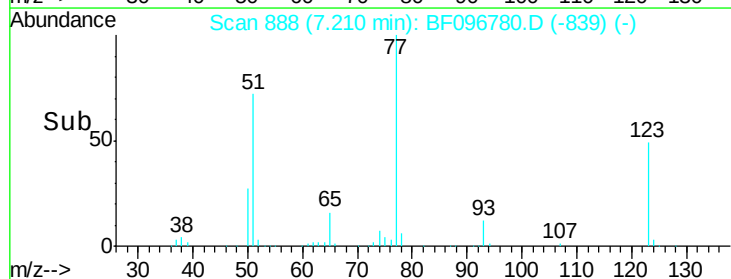
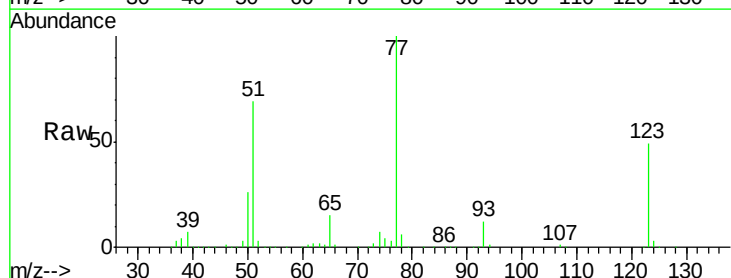
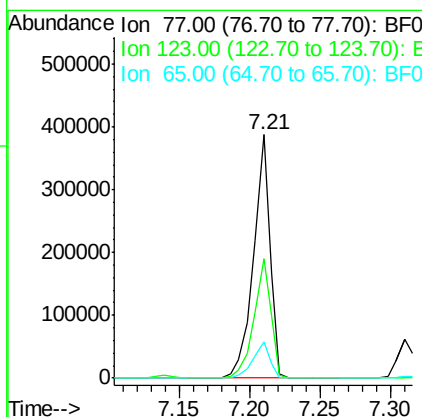
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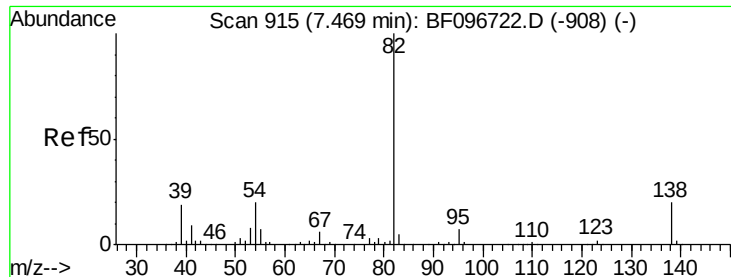


#24  
 Nitrobenzene  
 Concen: 45.810 ng  
 RT: 7.21 min Scan# 888  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 77      | 100   |            |            |
| 123     | 49.0  | 35.8       | 53.8       |
| 65      | 14.8  | 10.6       | 15.8       |







#25

Isophorone

Concen: 42.789 ng

RT: 7.46 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

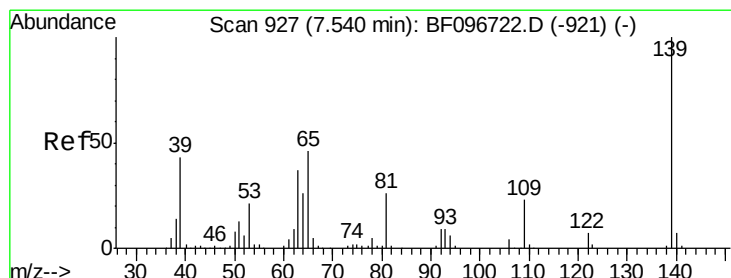
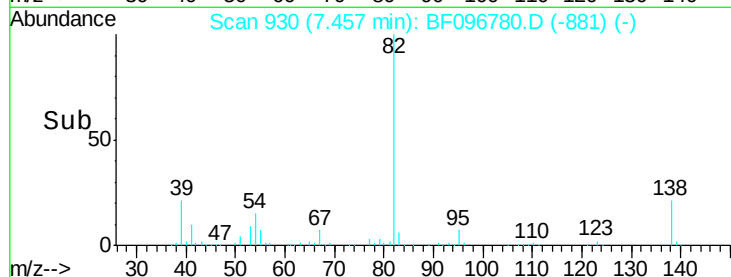
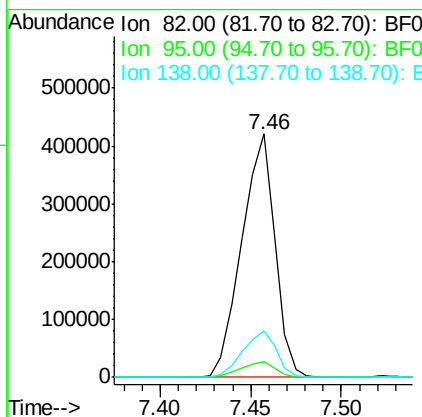
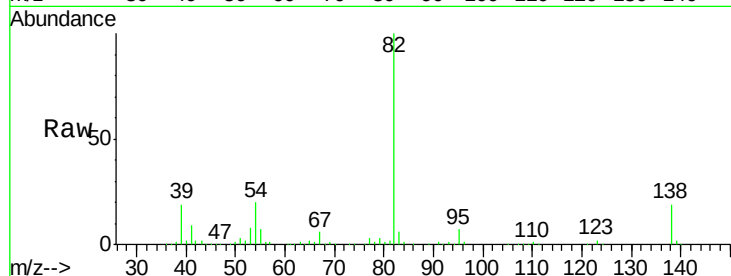
ClientSampleId :

PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 537609 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.3   | 7.9    |
| 138       | 19.1  | 13.1  | 19.7   |

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#26

2-Nitrophenol

Concen: 48.055 ng

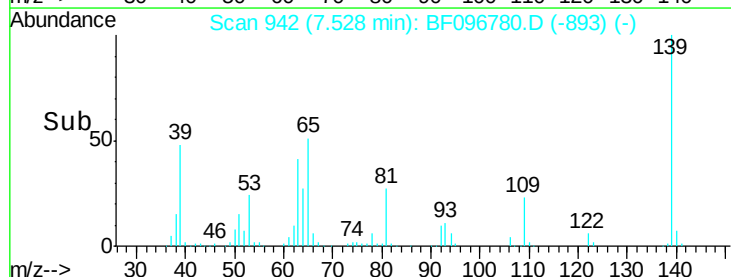
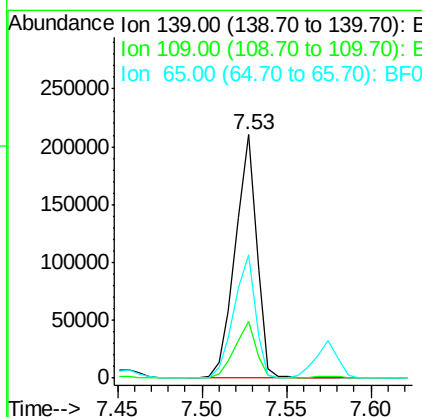
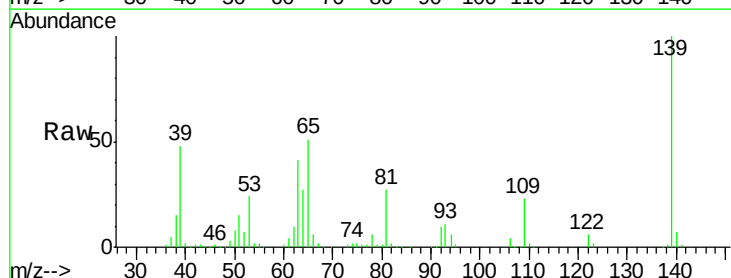
RT: 7.53 min Scan# 942

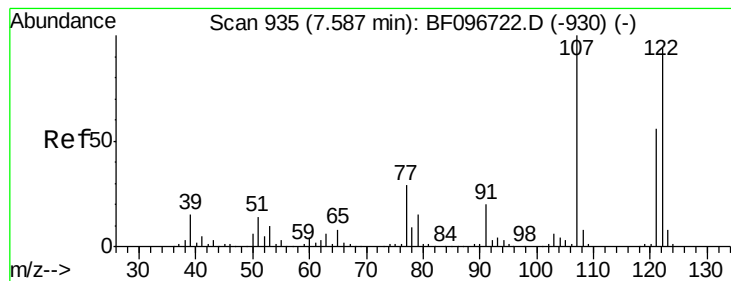
Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 186647 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 23.3  | 21.0  | 31.6   |
| 65        | 50.8  | 33.0  | 49.6#  |





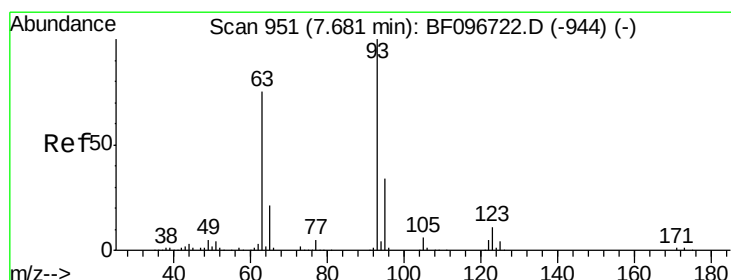
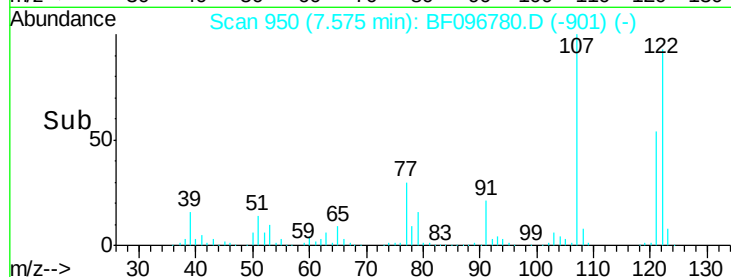
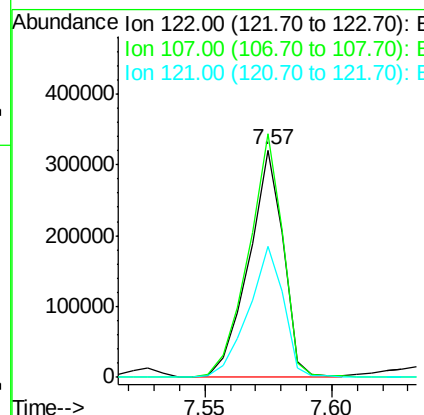
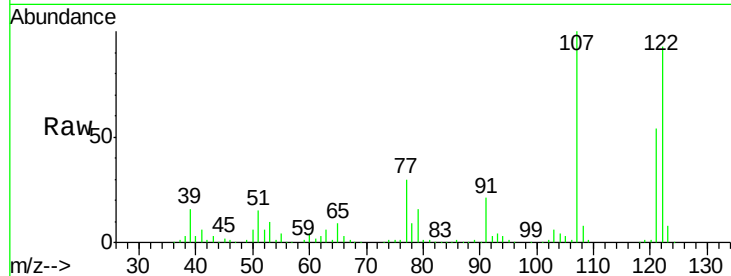
#27  
2,4-Dimethylphenol  
Concen: 47.997 ng  
RT: 7.57 min Scan# 950  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 306693 |       |       |
| 107     | 107.2 | 89.2   | 133.8 |       |
| 121     | 57.8  | 45.2   | 67.8  |       |

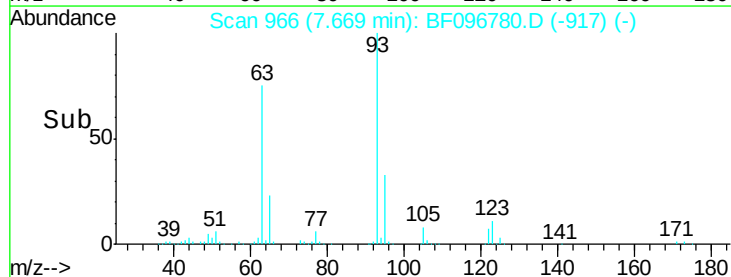
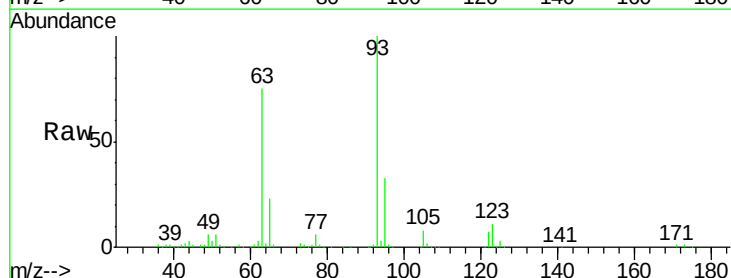
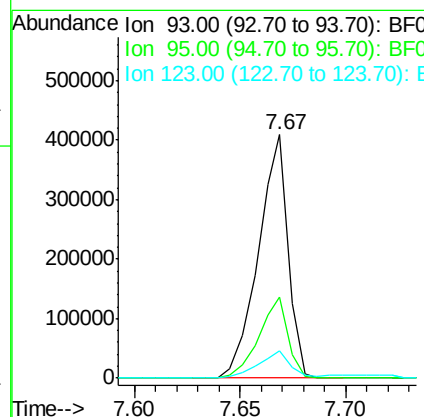
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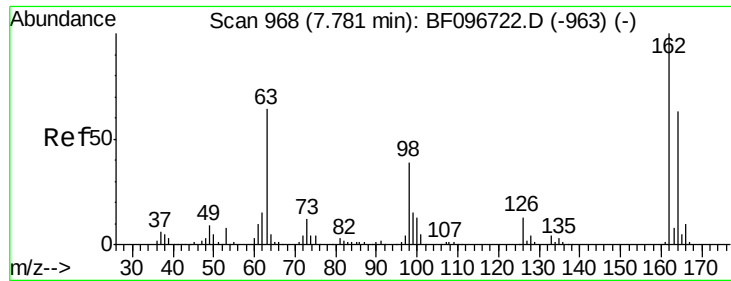
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#28  
bis(2-Chloroethoxy)methane  
Concen: 46.963 ng  
RT: 7.67 min Scan# 966  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 398724 |       |       |
| 95      | 33.4  | 26.5   | 39.7  |       |
| 123     | 11.0  | 9.0    | 13.4  |       |





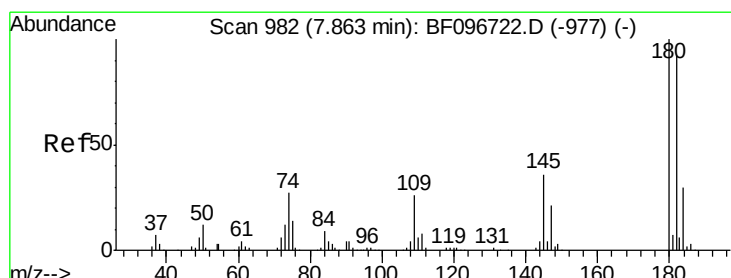
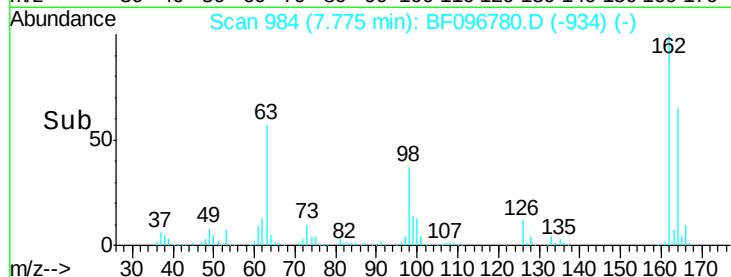
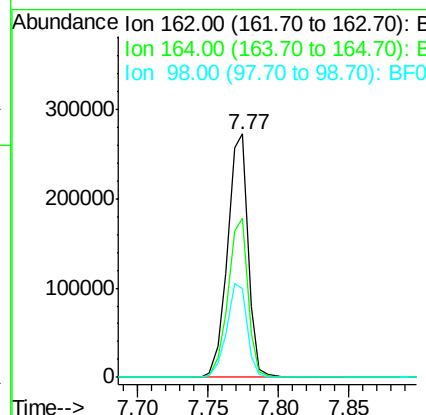
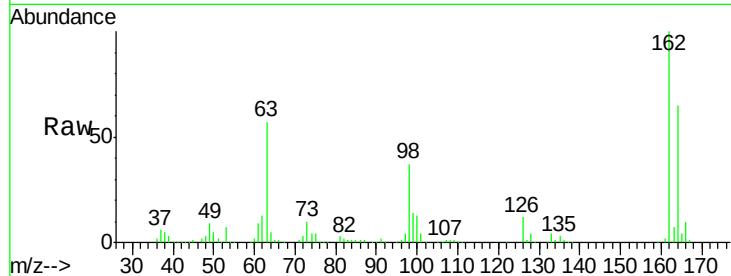
#29  
2,4-Dichlorophenol  
Concen: 47.719 ng  
RT: 7.77 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 65.3  | 44.6       | 84.6       |
| 98      | 36.5  | 14.8       | 54.8       |

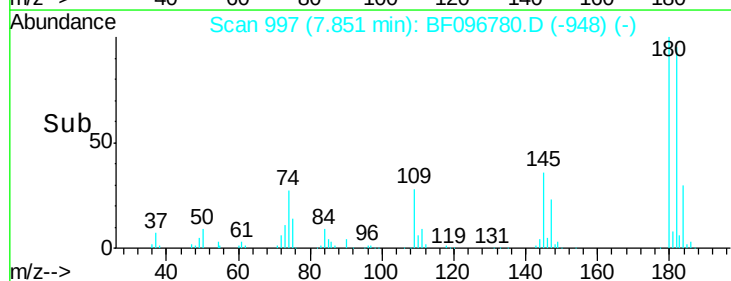
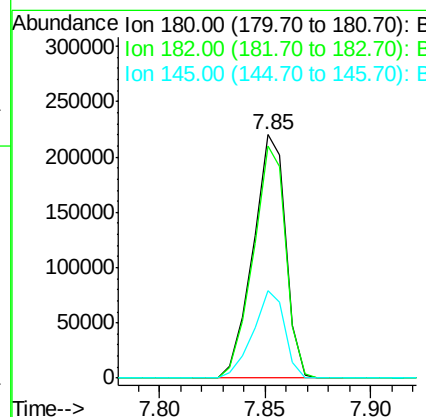
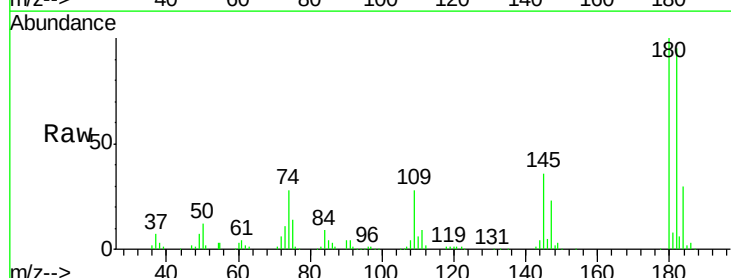
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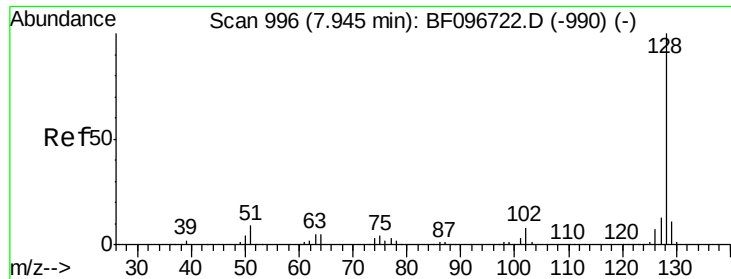
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#30  
1,2,4-Trichlorobenzene  
Concen: 42.868 ng  
RT: 7.85 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.4  | 75.8       | 113.6      |
| 145     | 36.0  | 25.3       | 37.9       |





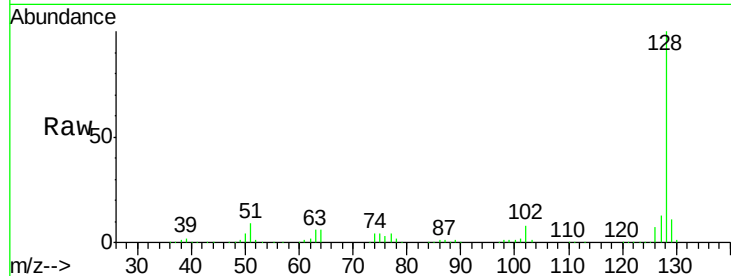
#31  
Naphthalene  
Concen: 47.689 ng  
RT: 7.93 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

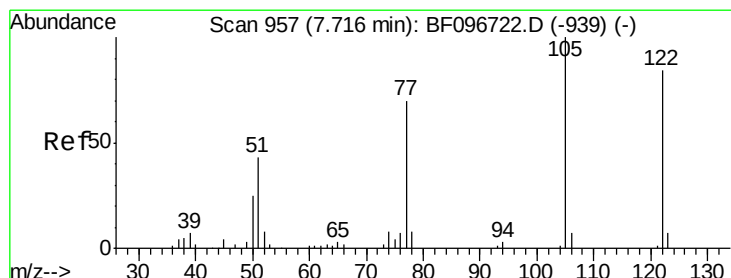
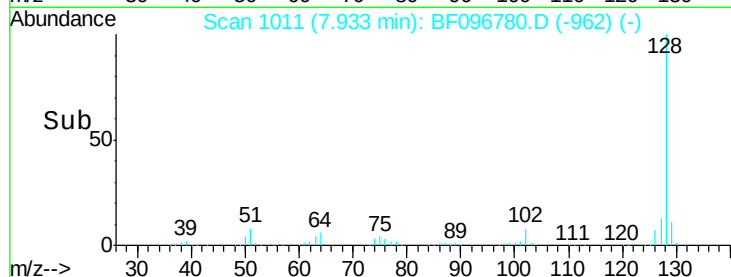
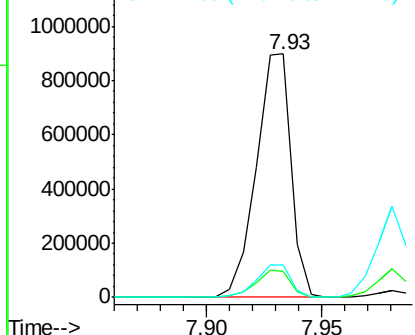
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 945102 |       |       |
| 129     | 10.6  | 9.0    | 13.6  |       |
| 127     | 13.4  | 10.8   | 16.2  |       |

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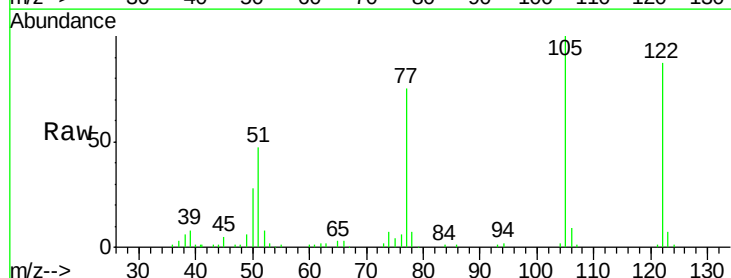


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

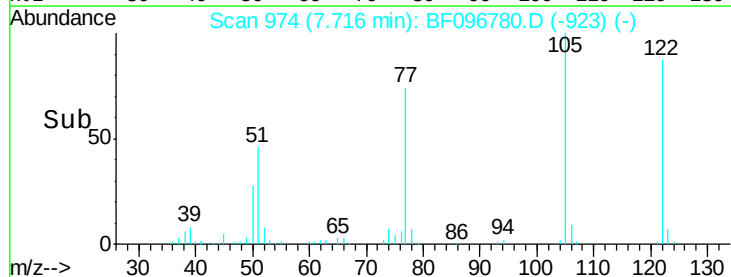
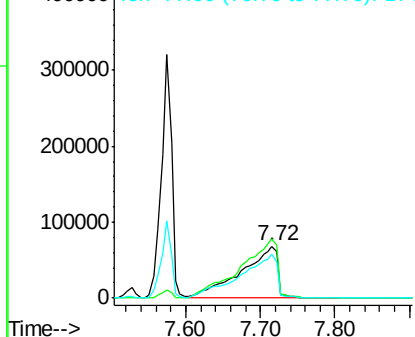


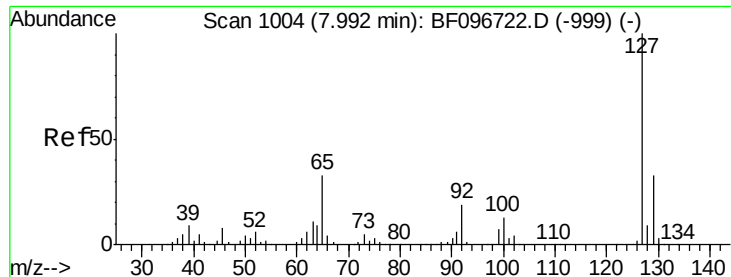
#32  
Benzoic acid  
Concen: 56.737 ng  
RT: 7.72 min Scan# 974  
Delta R.T. -0.00 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 231713 |       |       |
| 105     | 115.4 | 103.3  | 143.3 |       |
| 77      | 86.1  | 73.7   | 113.7 |       |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





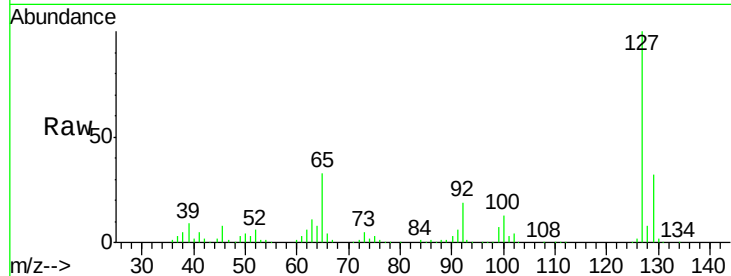
#33  
4-Chloroaniline  
Concen: 39.951 ng  
RT: 7.98 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

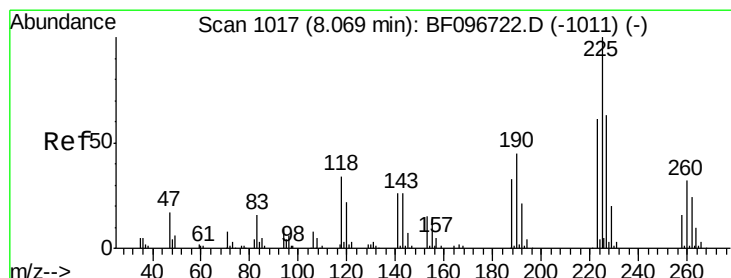
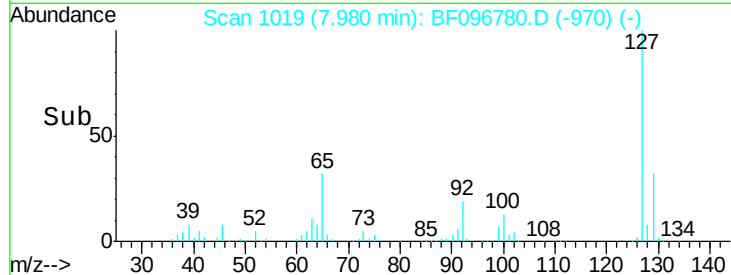
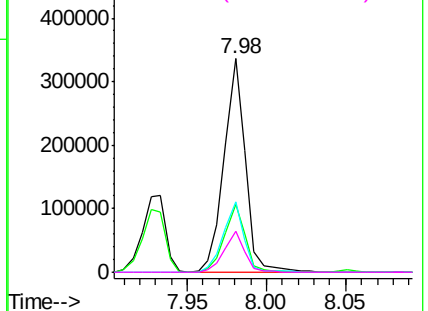
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 313690 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.8  | 26.2  | 39.2   |
| 65        | 33.0  | 27.8  | 41.8   |
| 92        | 19.1  | 16.8  | 25.2   |

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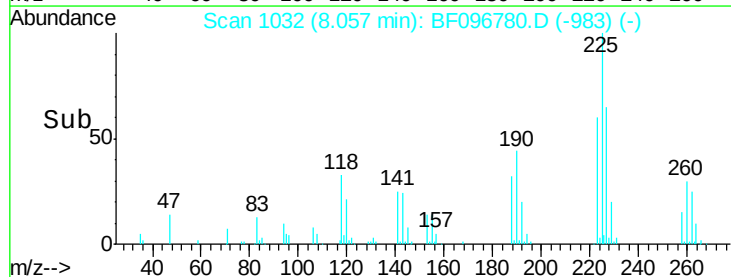
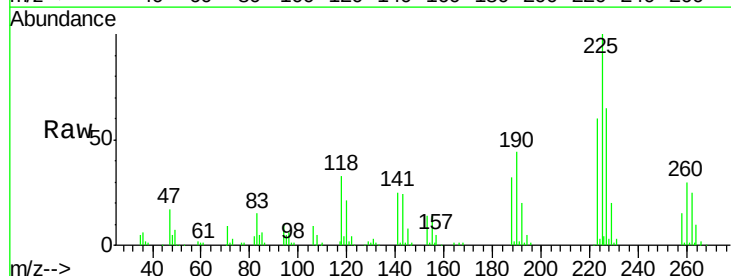
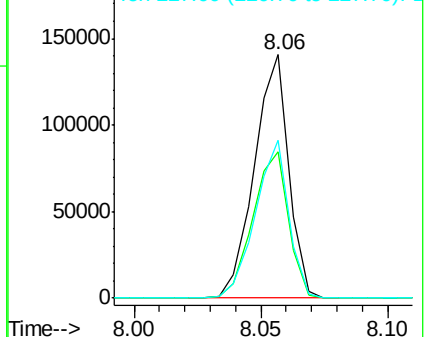
Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

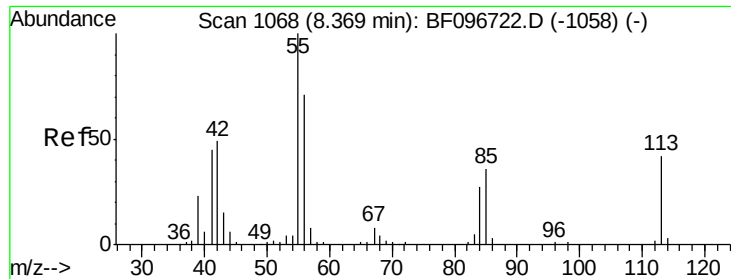


#34  
Hexachlorobutadiene  
Concen: 45.080 ng  
RT: 8.06 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 132343 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 60.2  | 48.8  | 73.2   |
| 227       | 65.0  | 51.1  | 76.7   |

Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





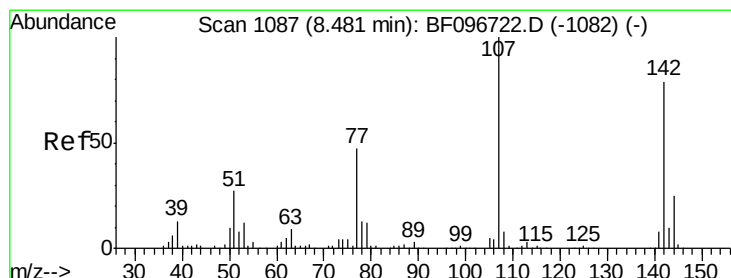
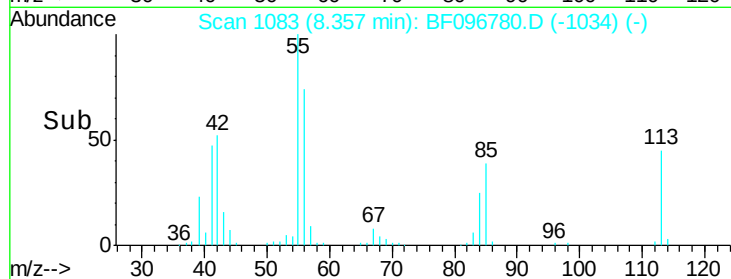
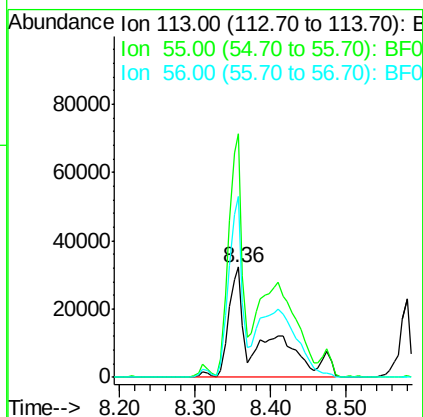
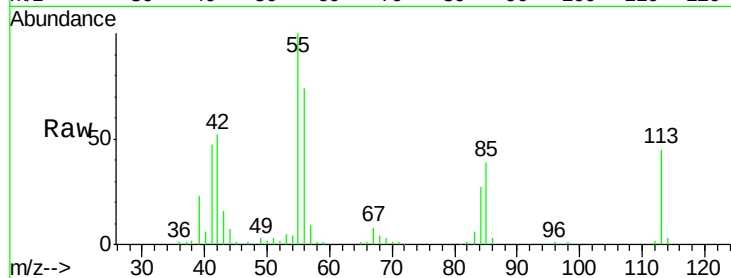
#35  
 Caprolactam  
 Concen: 49.834 ng m  
 RT: 8.36 min Scan# 1083  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

Tgt Ion:113 Resp: 92357  
 Ion Ratio Lower Upper  
 113 100  
 55 221.5 150.2 190.2#  
 56 164.8 107.8 147.8#

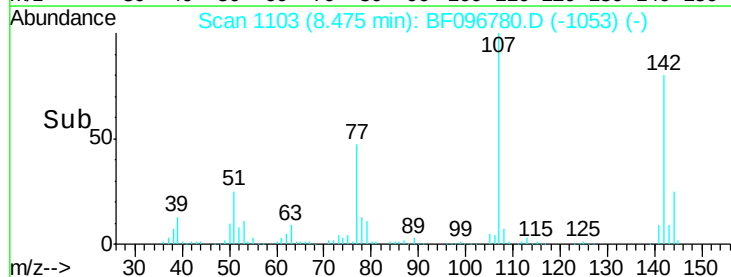
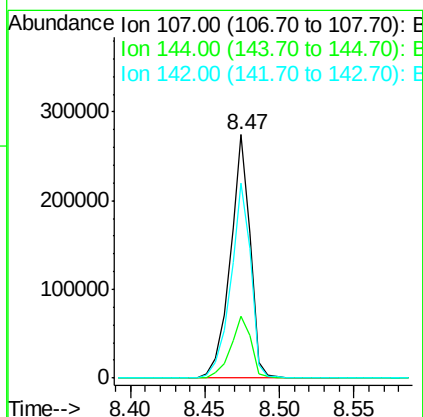
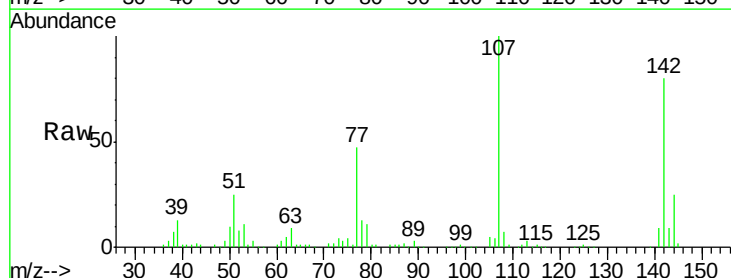
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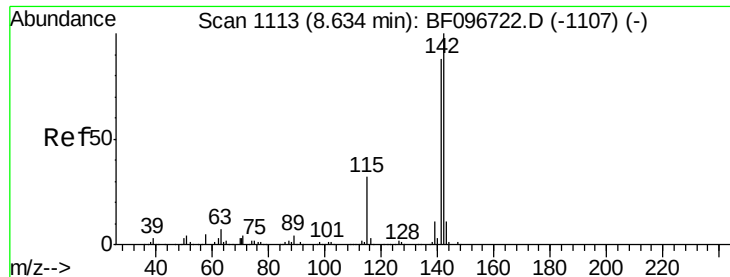
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#36  
 4-Chloro-3-methylphenol  
 Concen: 41.431 ng  
 RT: 8.47 min Scan# 1103  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Tgt Ion:107 Resp: 257670  
 Ion Ratio Lower Upper  
 107 100  
 144 25.5 24.2 36.4  
 142 80.3 73.4 110.0





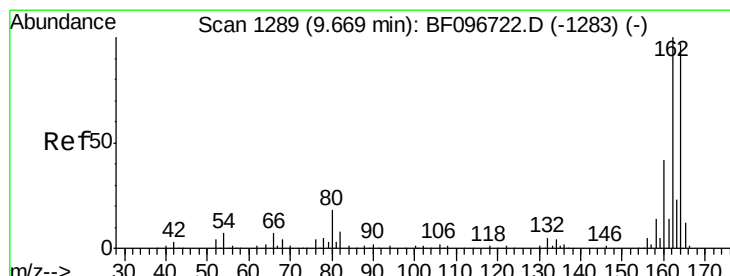
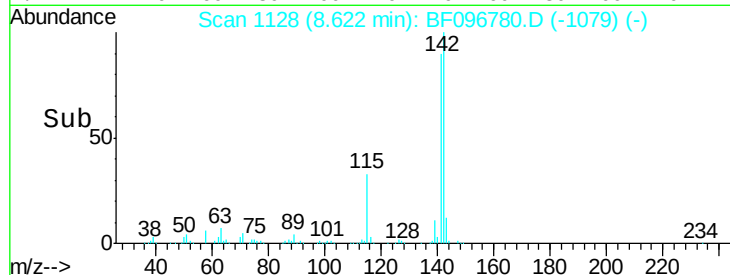
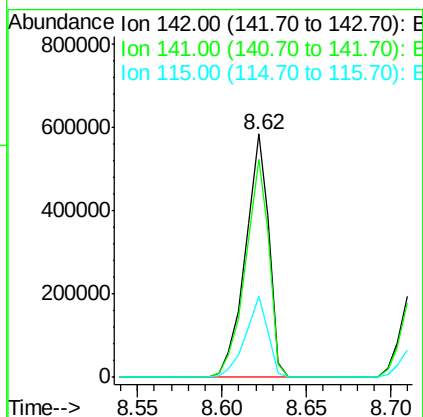
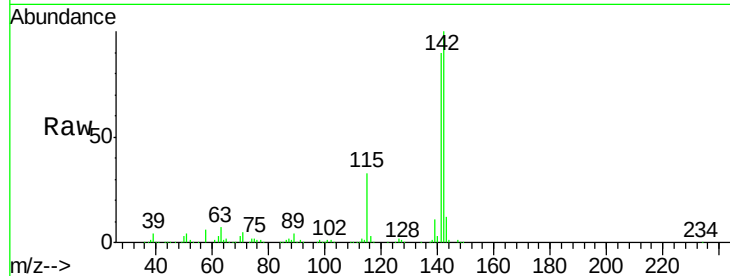
#37  
 2-Methylnaphthalene  
 Concen: 44.870 ng  
 RT: 8.62 min Scan# 1128  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 566915 |       |       |
| 141     | 89.7  | 71.3   | 106.9 |       |
| 115     | 33.2  | 27.1   | 40.7  |       |

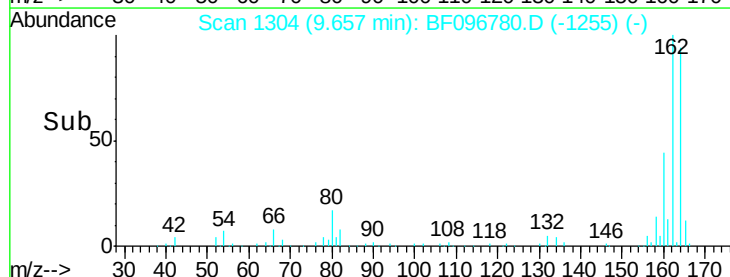
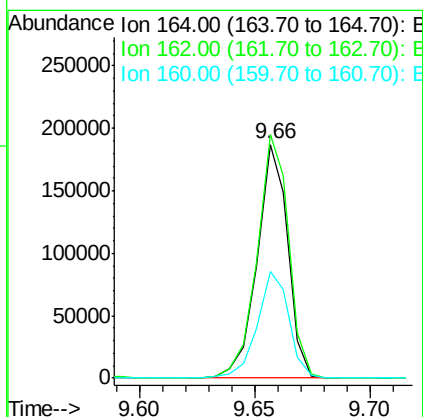
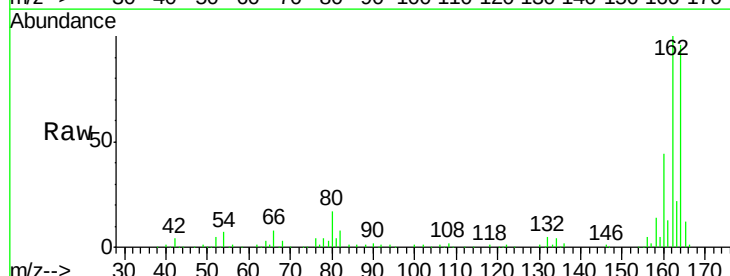
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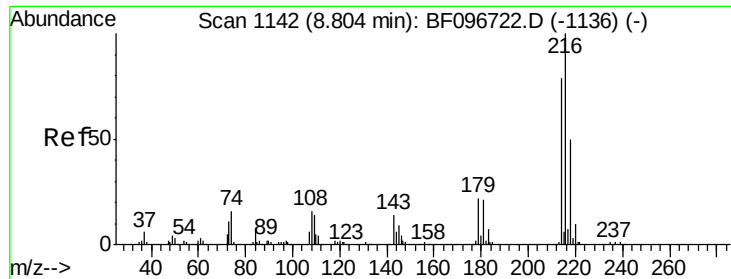
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.66 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 173111 |       |       |
| 162     | 104.1 | 82.6   | 123.8 |       |
| 160     | 45.6  | 36.2   | 54.2  |       |





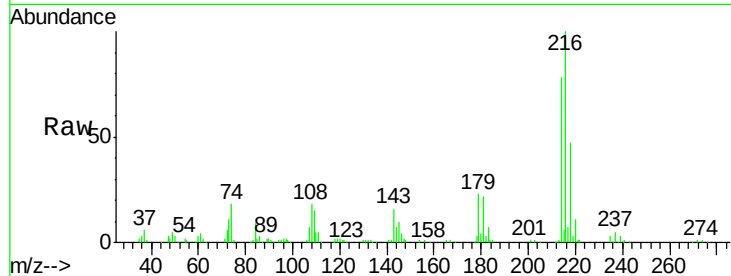
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.051 ng  
 RT: 8.79 min Scan# 1157  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

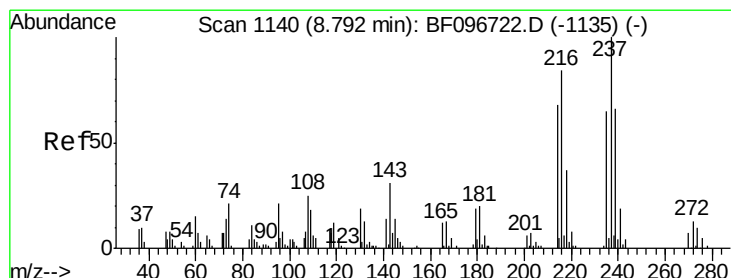
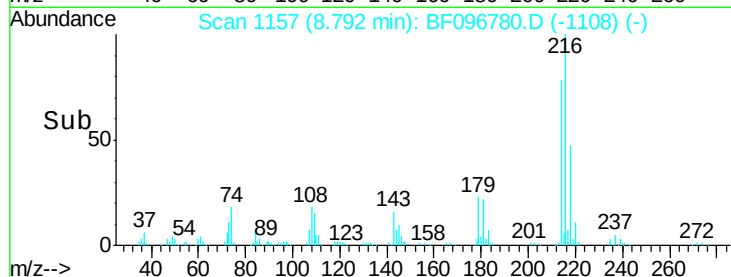
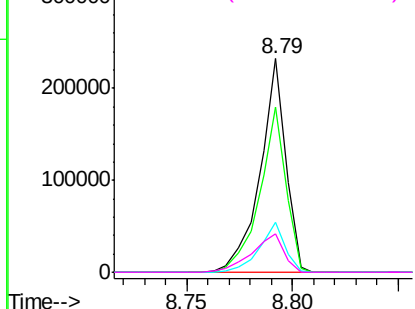
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 196782 |       |       |
| 214     | 79.3  | 63.4   | 95.2  |       |
| 179     | 23.2  | 17.9   | 26.9  |       |
| 108     | 22.2  | 16.5   | 24.7  |       |

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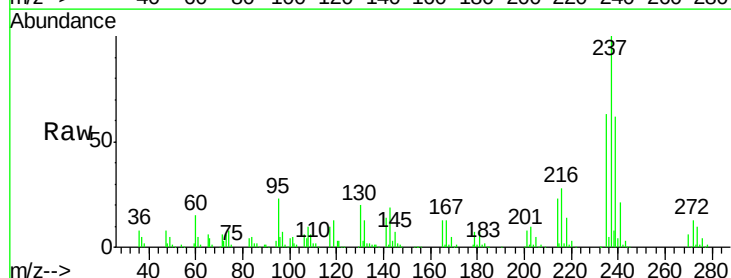


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

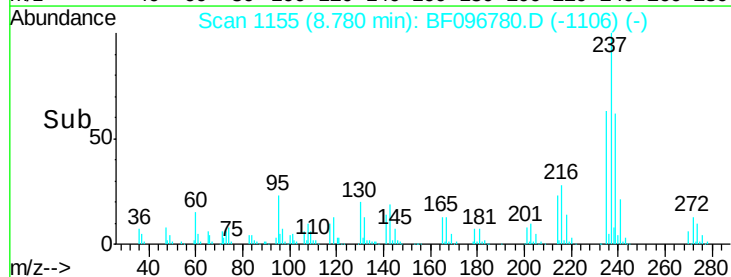
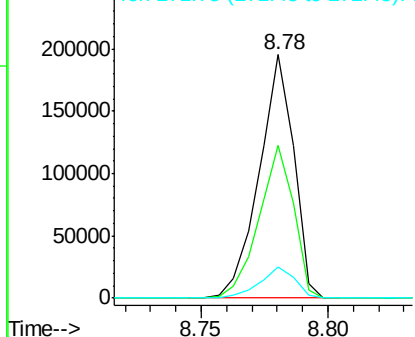


#40  
 Hexachlorocyclopentadiene  
 Concen: 103.286 ng  
 RT: 8.78 min Scan# 1155  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

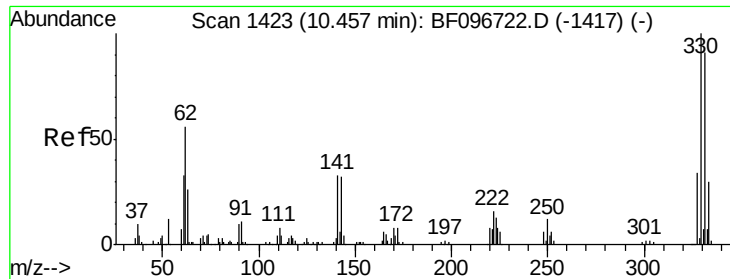
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 184509 |       |       |
| 235     | 63.0  | 42.6   | 82.6  |       |
| 272     | 12.6  | 0.0    | 31.9  |       |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E







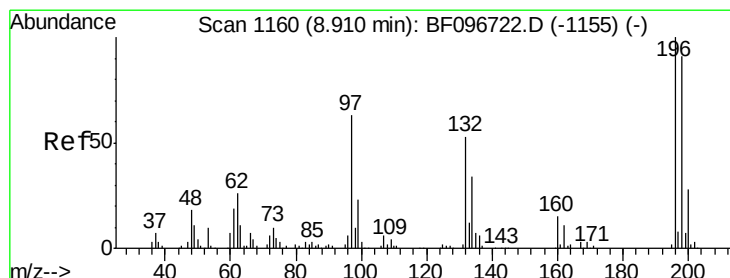
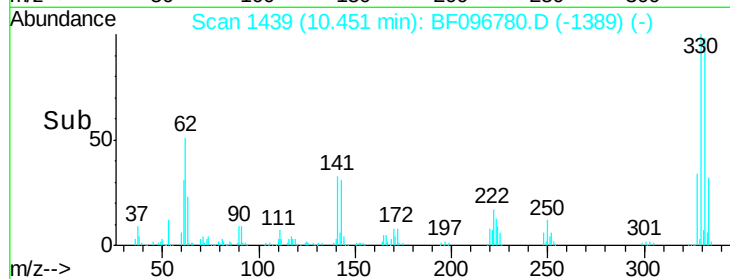
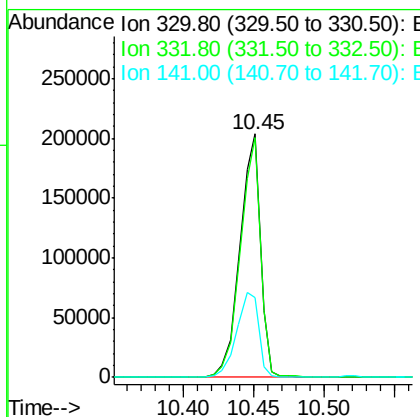
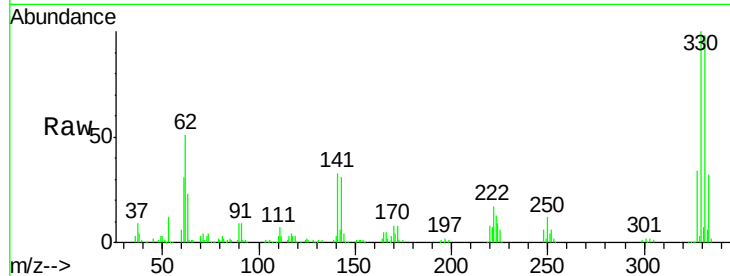
#41  
 2,4,6-Tribromophenol  
 Concen: 140.197 ng  
 RT: 10.45 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 207162 |       |       |
| 332     | 96.3  | 76.6   | 115.0 |       |
| 141     | 37.5  | 31.4   | 47.2  |       |

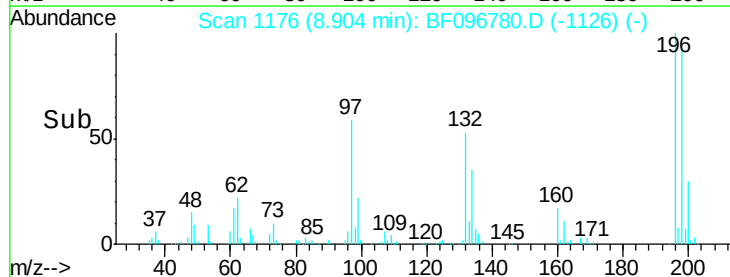
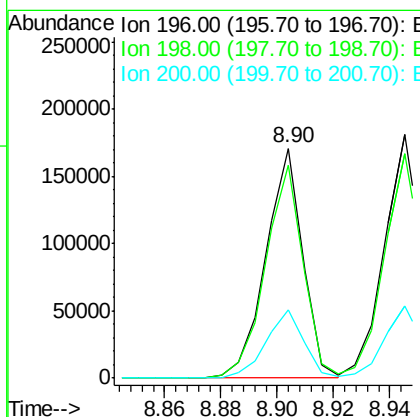
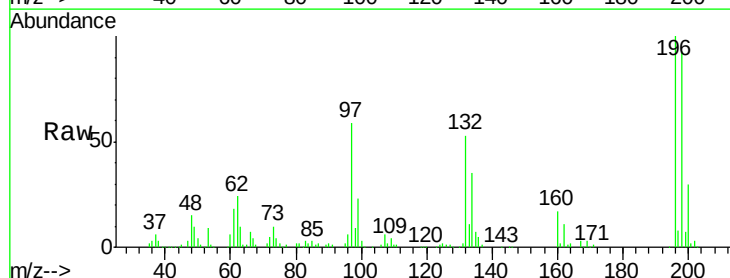
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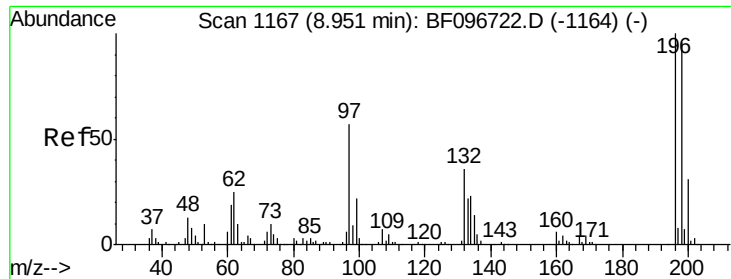
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#42  
 2,4,6-Trichlorophenol  
 Concen: 45.085 ng  
 RT: 8.90 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 155626 |       |       |
| 198     | 92.5  | 74.2   | 111.4 |       |
| 200     | 29.6  | 24.0   | 36.0  |       |





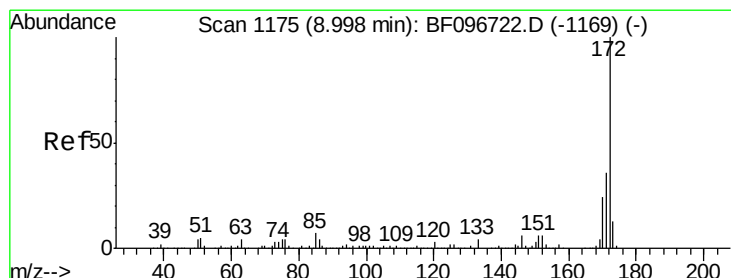
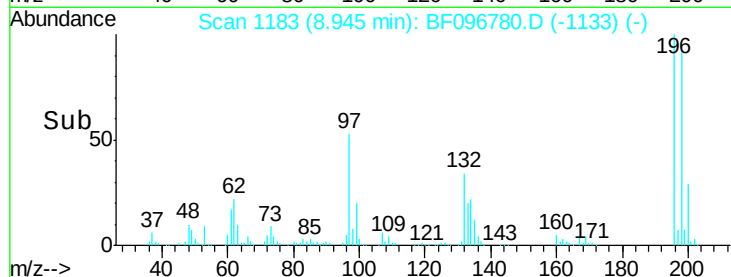
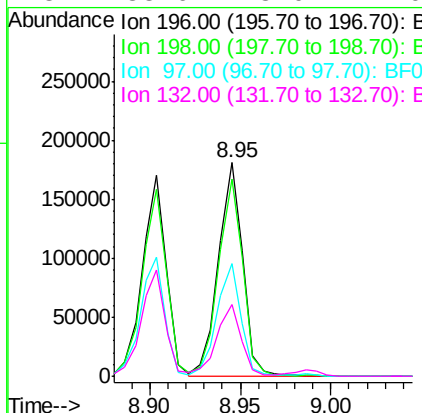
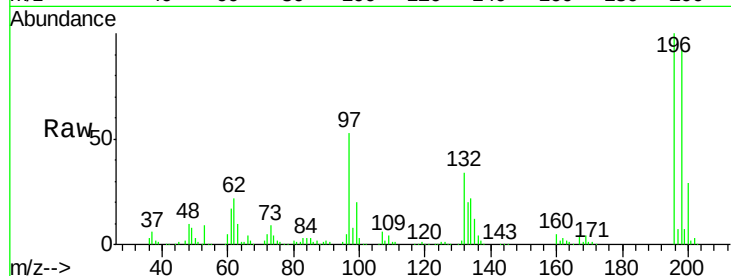
#43  
 2,4,5-Trichlorophenol  
 Concen: 48.209 ng  
 RT: 8.95 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 167828 |       |       |
| 198     | 92.1  | 75.7   | 113.5 |       |
| 97      | 52.9  | 47.7   | 71.5  |       |
| 132     | 33.6  | 28.0   | 42.0  |       |

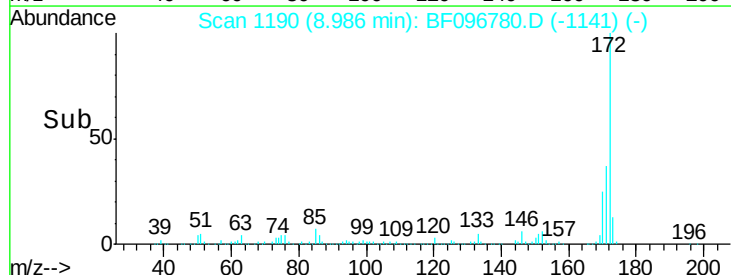
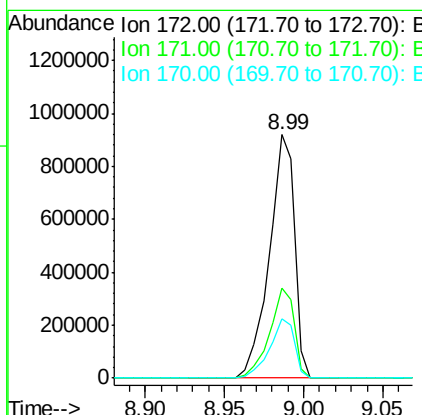
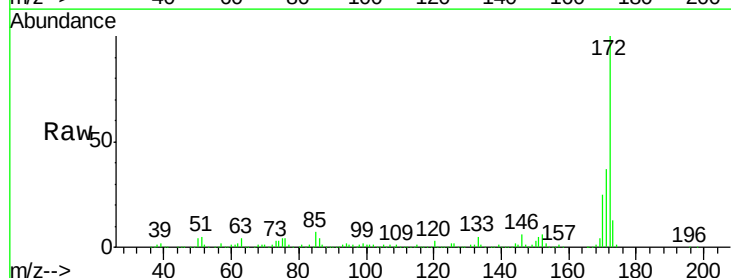
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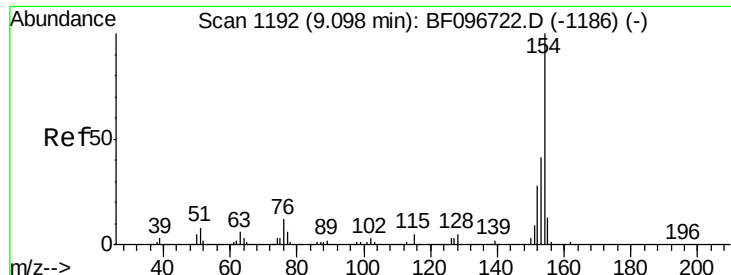
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#44  
 2-Fluorobiphenyl  
 Concen: 93.049 ng  
 RT: 8.99 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1019533 |       |       |
| 171     | 36.7  | 29.6    | 44.4  |       |
| 170     | 24.5  | 19.8    | 29.8  |       |





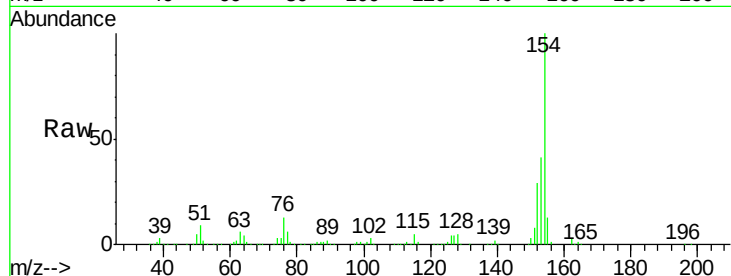
#45  
 1,1'-Biphenyl  
 Concen: 43.005 ng  
 RT: 9.09 min Scan# 1207  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

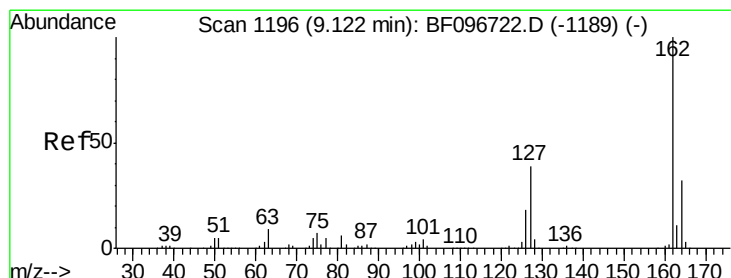
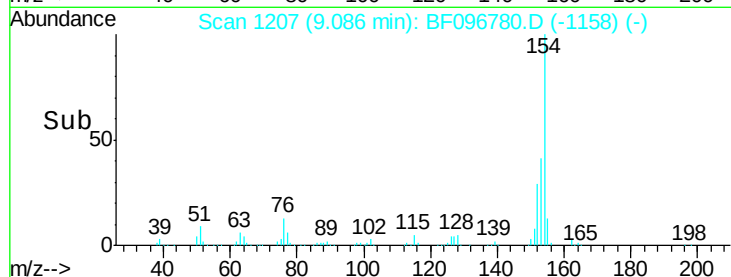
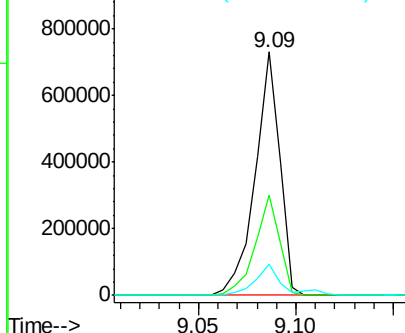
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 41.1  | 21.2 | 61.2  |       |
| 76      | 12.6  | 0.0  | 29.9  |       |

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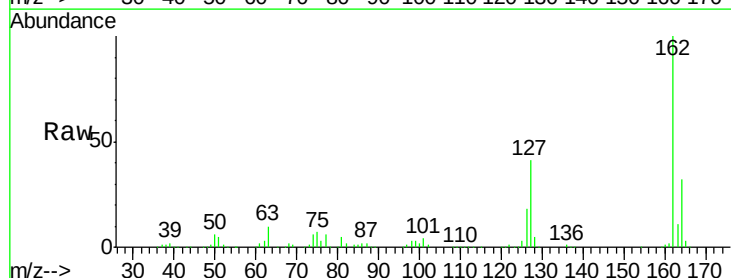


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

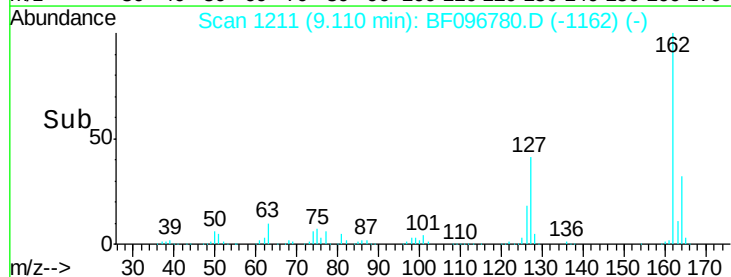
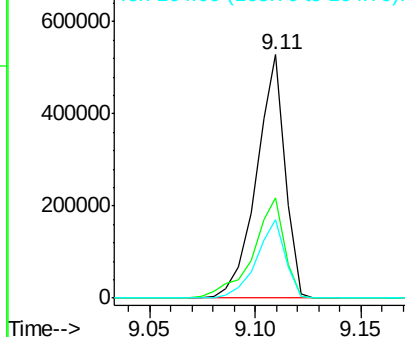


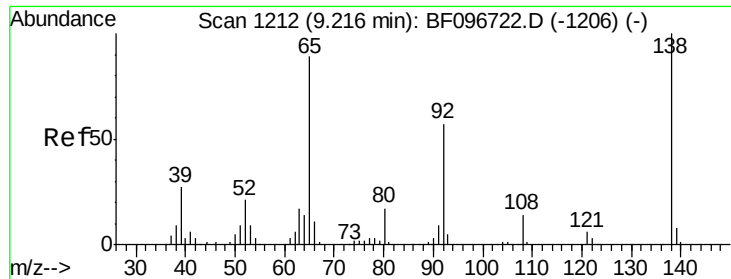
#46  
 2-Chloronaphthalene  
 Concen: 45.516 ng  
 RT: 9.11 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 41.2  | 28.3 | 42.5  |       |
| 164     | 32.4  | 27.0 | 40.4  |       |



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





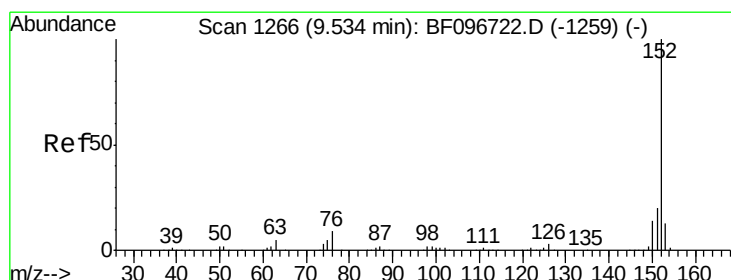
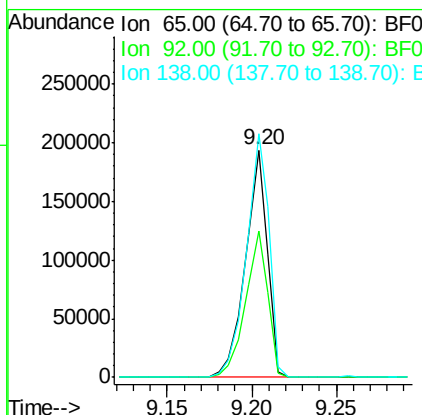
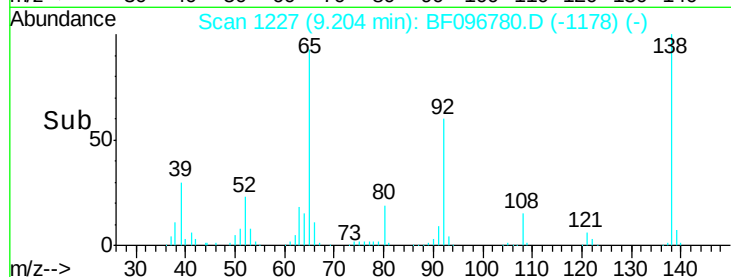
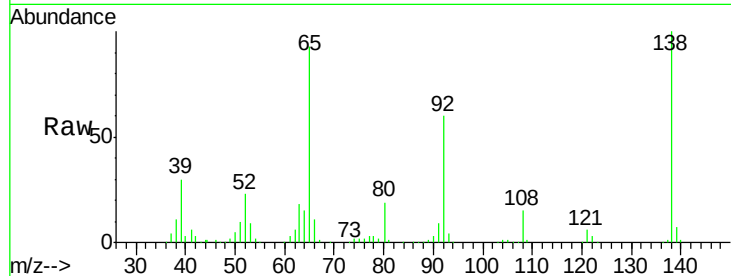
#47  
 2-Nitroaniline  
 Concen: 46.970 ng  
 RT: 9.20 min Scan# 1227  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 176507 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 64.3  | 53.9  | 80.9   |
| 138       | 107.2 | 78.8  | 118.2  |

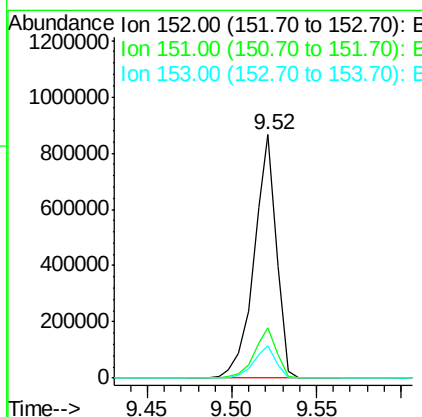
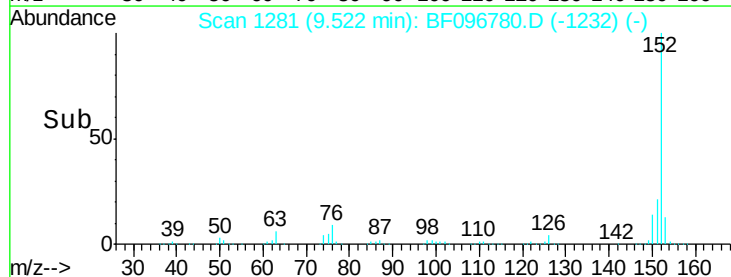
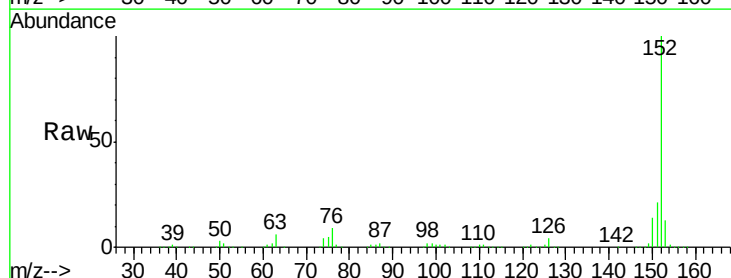
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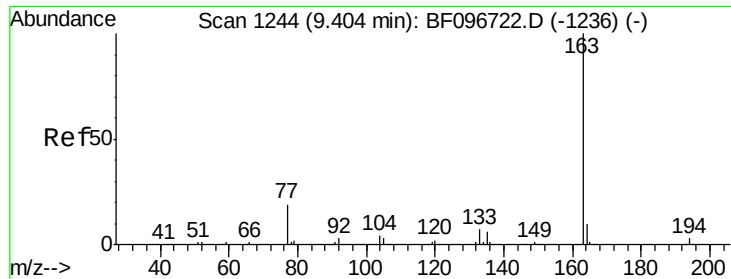
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#48  
 Acenaphthylene  
 Concen: 45.687 ng  
 RT: 9.52 min Scan# 1281  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 795816 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.6  | 16.8  | 25.2   |
| 153       | 13.2  | 10.8  | 16.2   |





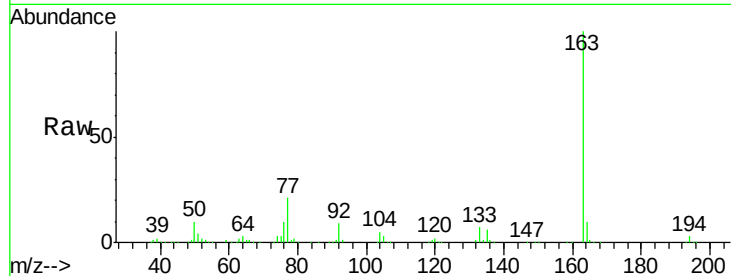
#49  
Dimethylphthalate  
Concen: 46.306 ng  
RT: 9.39 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

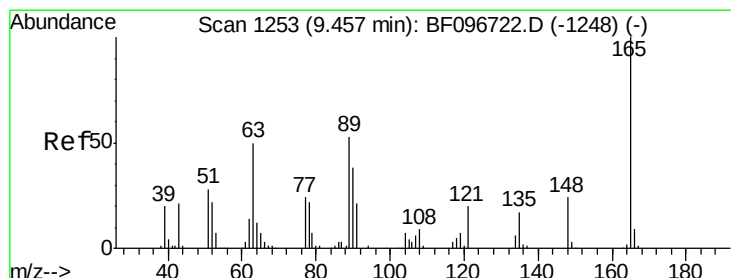
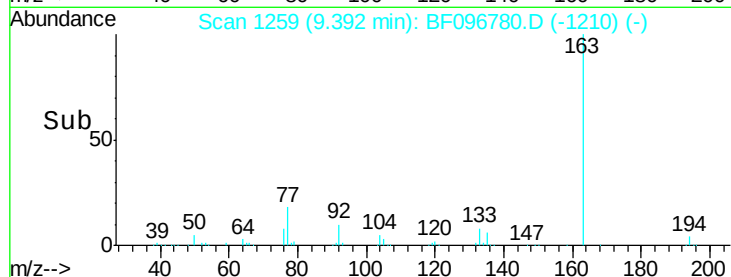
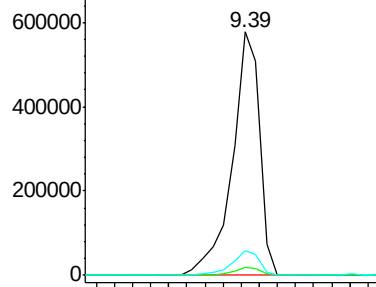
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.3   | 2.6        | 4.0        |
| 164     | 10.1  | 8.4        | 12.6       |

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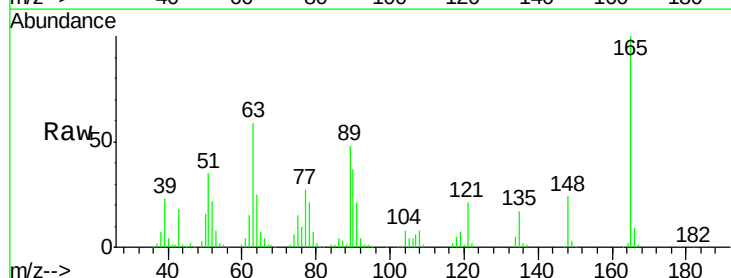


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

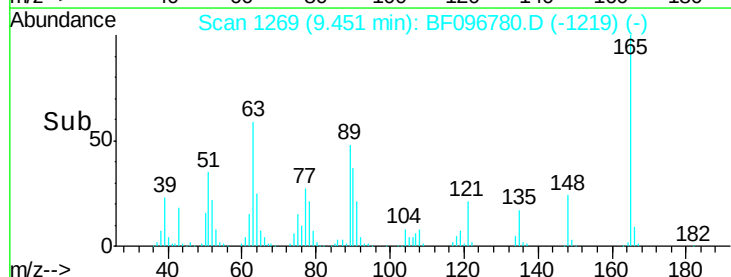
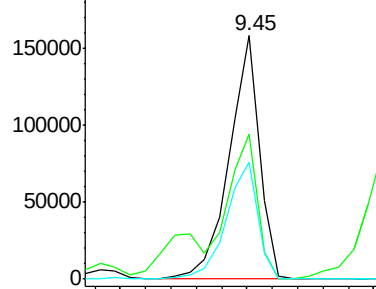


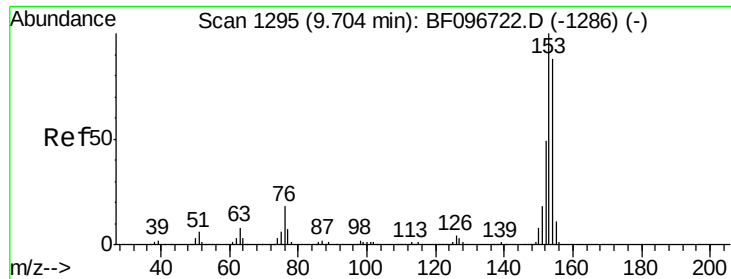
#50  
2,6-Dinitrotoluene  
Concen: 46.603 ng  
RT: 9.45 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 59.5  | 34.3       | 51.5#      |
| 89      | 47.9  | 37.1       | 55.7       |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.631 ng

RT: 9.69 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

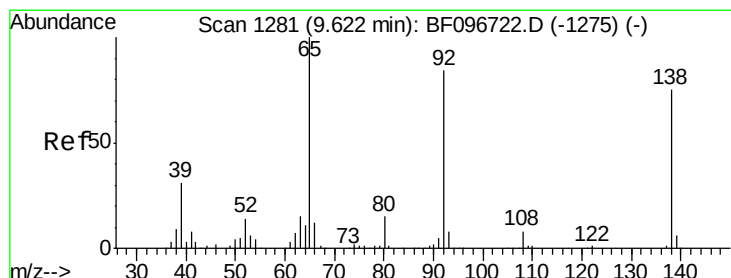
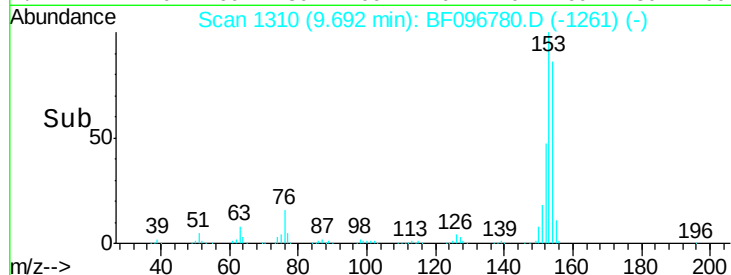
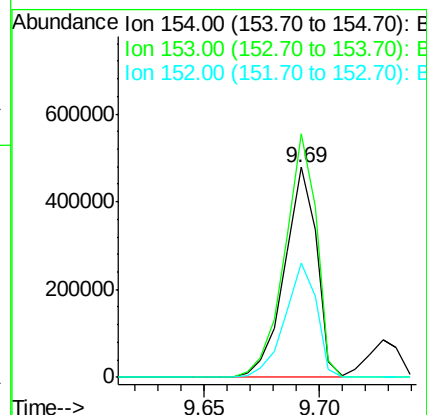
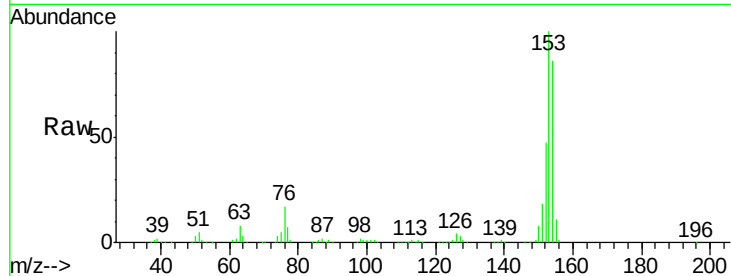
ClientSampleId :

PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 459257 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 116.0 | 90.5  | 135.7  |
| 152       | 54.2  | 43.6  | 65.4   |

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#52

3-Nitroaniline

Concen: 37.629 ng

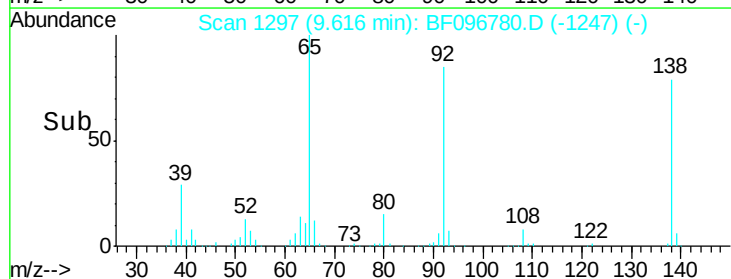
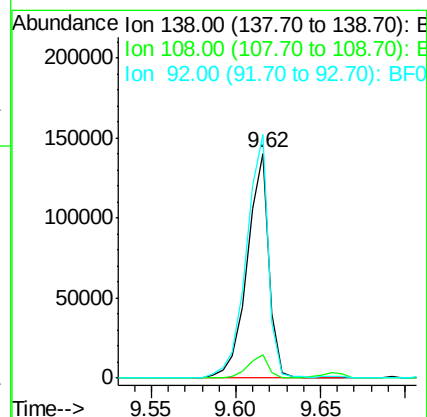
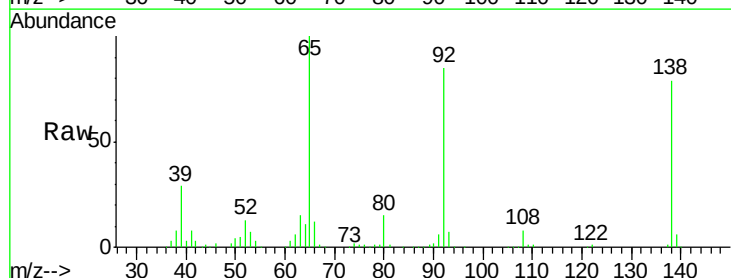
RT: 9.62 min Scan# 1297

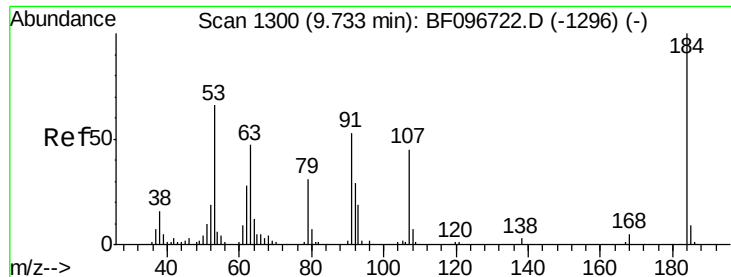
Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 125854 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.3  | 9.1   | 13.7   |
| 92        | 108.3 | 93.8  | 140.6  |





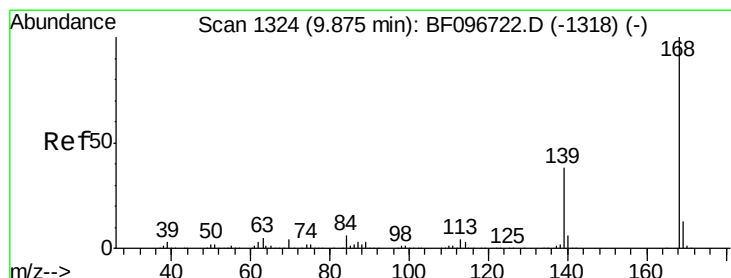
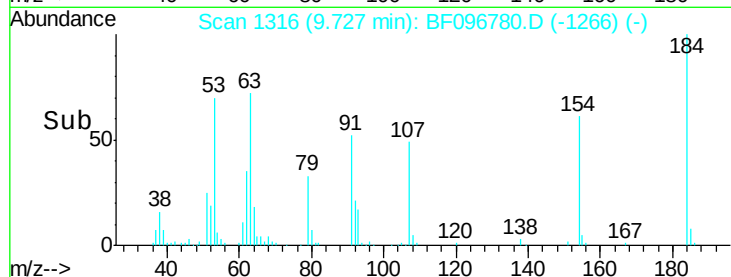
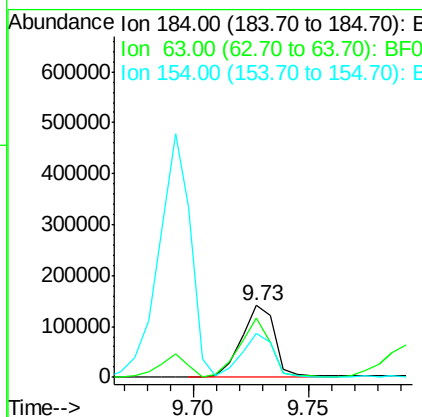
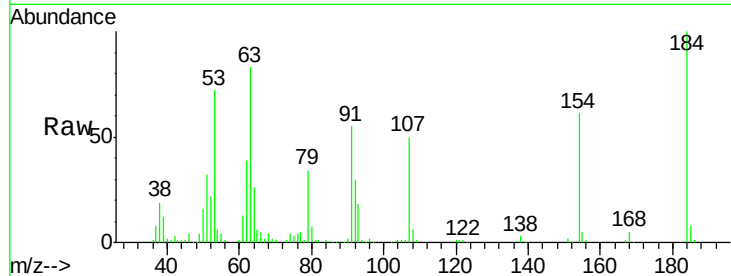
#53  
2,4-Dinitrophenol  
Concen: 101.766 ng  
RT: 9.73 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 184     | 100   | 145063 |        |       |
| 63      | 83.4  | 62.7   | 94.1   |       |
| 154     | 60.9  | 81.1   | 121.7# |       |

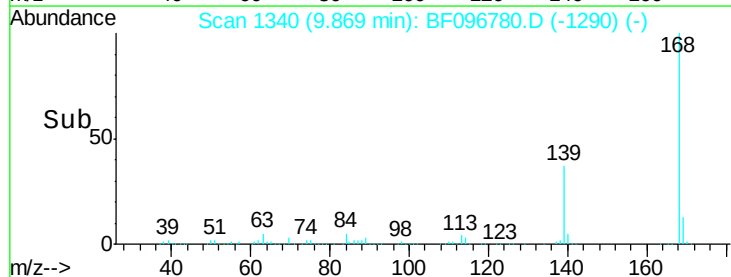
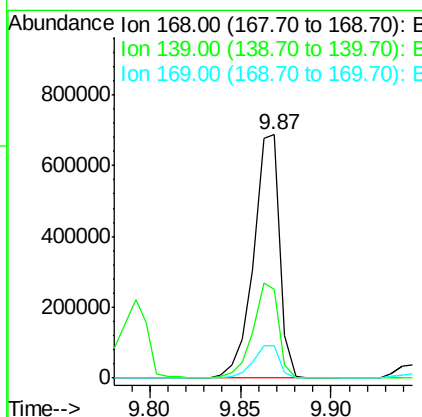
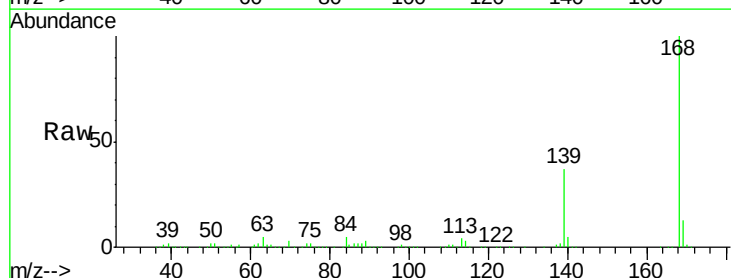
Manual Integrations  
APPROVED

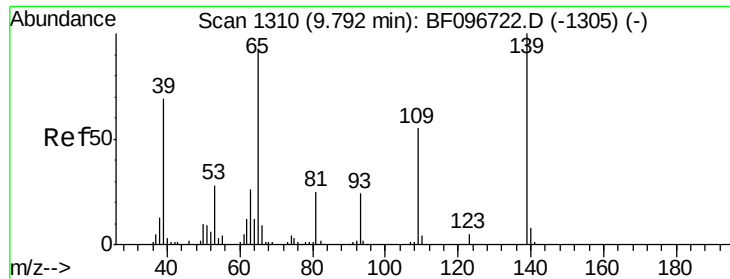
mohammad  
7/17/2017 3:56:32 PM



#54  
Dibenzofuran  
Concen: 47.654 ng  
RT: 9.87 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 687170 |       |       |
| 139     | 36.7  | 30.6   | 45.8  |       |
| 169     | 13.2  | 10.8   | 16.2  |       |





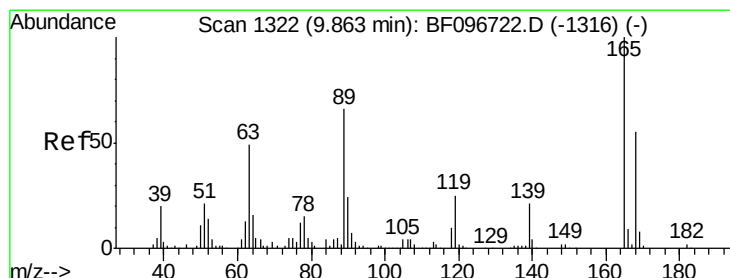
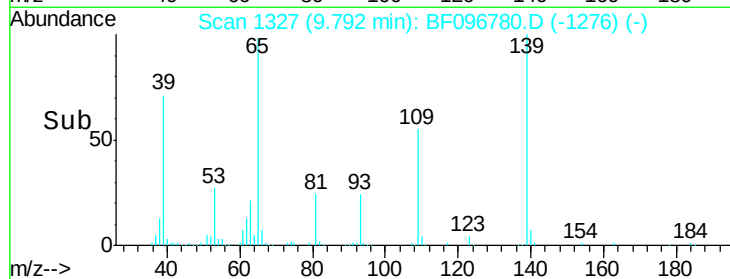
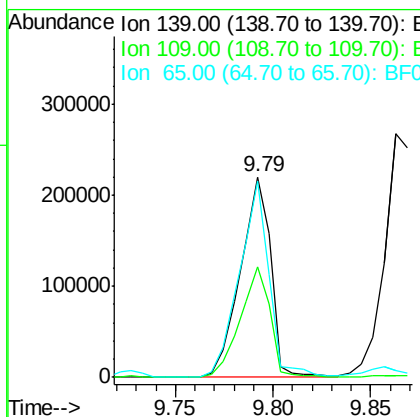
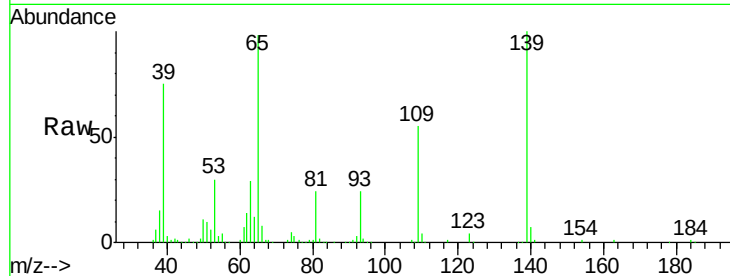
#55  
4-Nitrophenol  
Concen: 97.003 ng  
RT: 9.79 min Scan# 1327  
Delta R.T. -0.00 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 237026 |       |       |
| 109     | 55.4  | 34.1   | 74.1  |       |
| 65      | 98.1  | 31.4   | 71.4  |       |

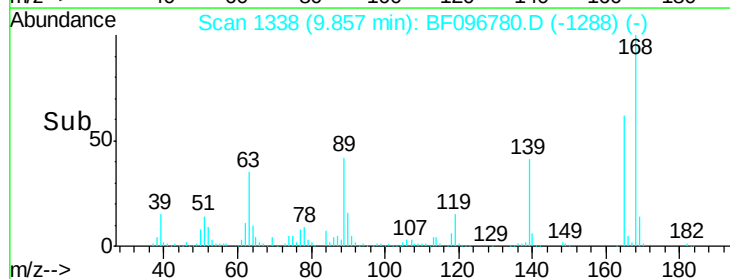
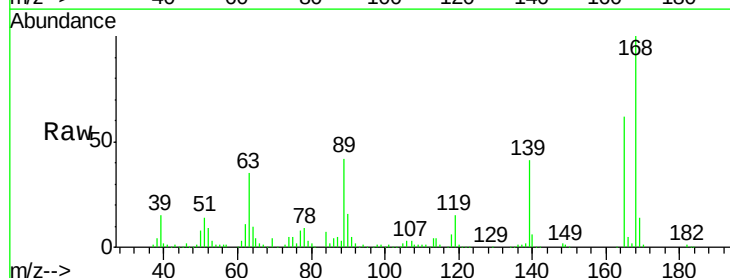
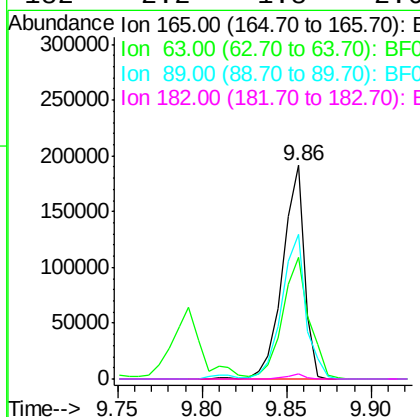
Manual Integrations  
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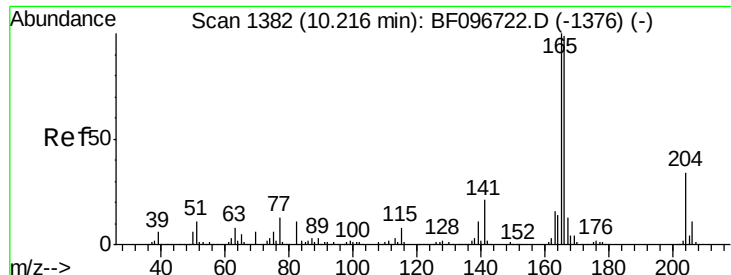


#56  
2,4-Dinitrotoluene  
Concen: 47.659 ng  
RT: 9.86 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 172906 |       |       |
| 63      | 56.7  | 25.4   | 38.0  |       |
| 89      | 67.6  | 46.4   | 69.6  |       |
| 182     | 2.2   | 1.8    | 2.6   |       |







#57

Fluorene

Concen: 47.220 ng

RT: 10.21 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

ClientSampleId :

PB100644BS

Tgt Ion:166 Resp: 503160

Ion Ratio Lower Upper

166 100

165 102.0 78.8 118.2

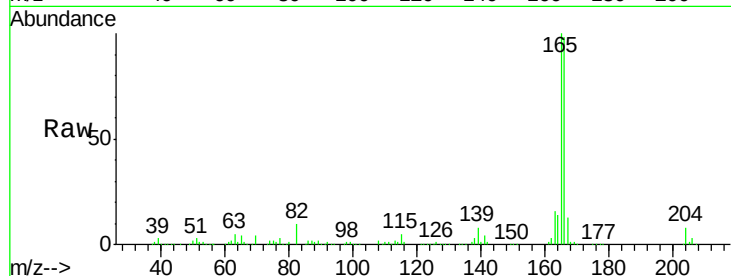
167 13.5 10.6 16.0

Manual Integrations

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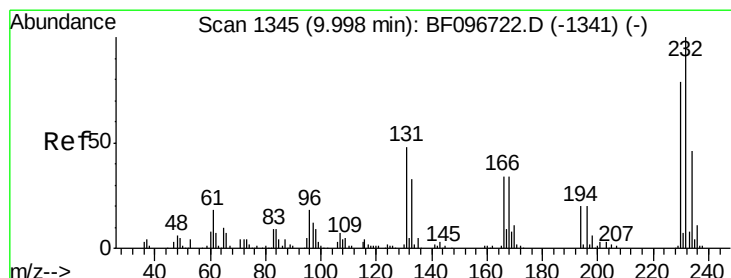
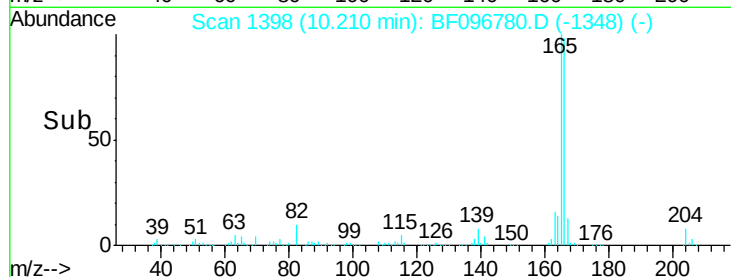
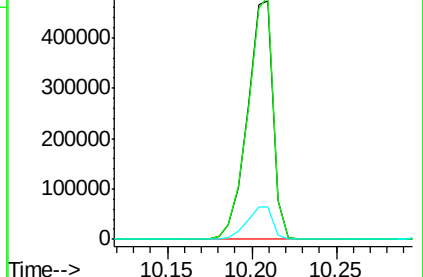


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.21



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.148 ng

RT: 9.99 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Tgt Ion:232 Resp: 130733

Ion Ratio Lower Upper

232 100

131 53.3 44.8 67.2

130 2.2 2.3 3.5#

166 35.2 29.0 43.4

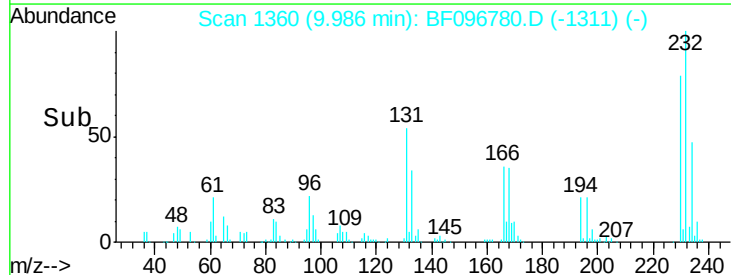
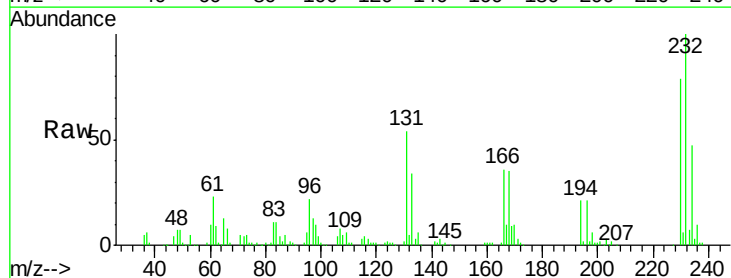
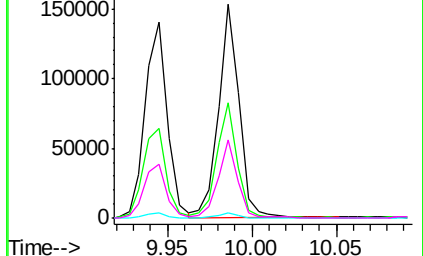
Abundance Ion 232.00 (231.70 to 232.70): E

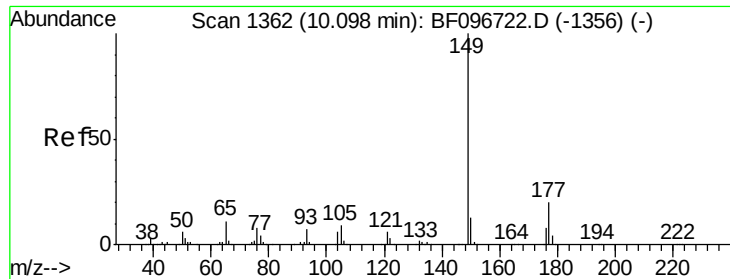
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

9.99





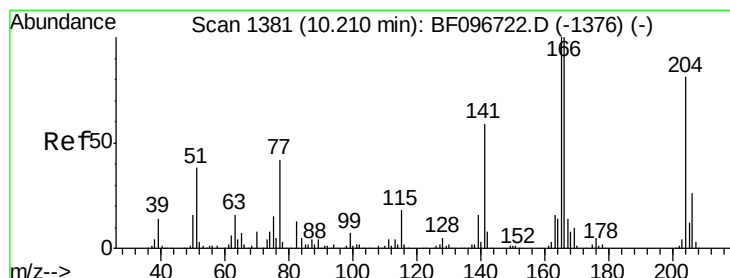
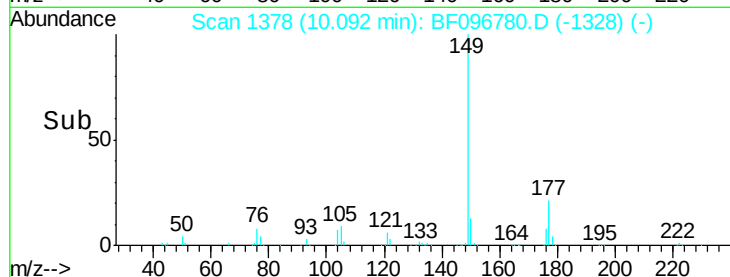
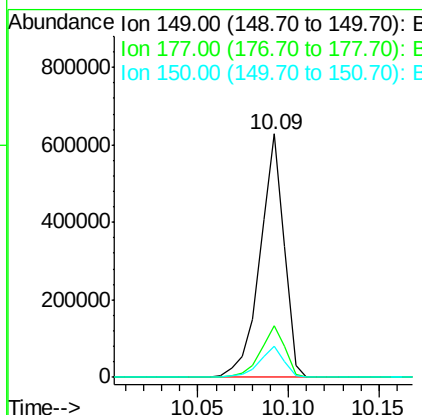
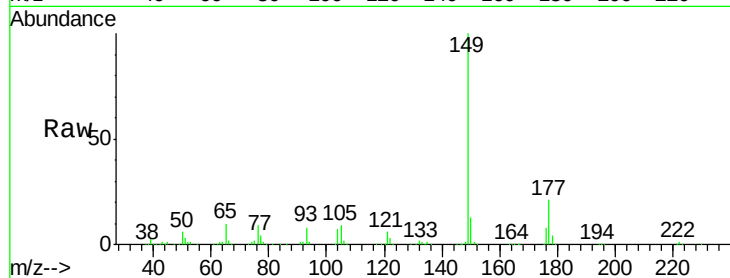
#59  
Diethylphthalate  
Concen: 45.781 ng  
RT: 10.09 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 580924 |       |       |
| 177     | 21.3  | 16.7   | 25.1  |       |
| 150     | 12.7  | 10.2   | 15.2  |       |

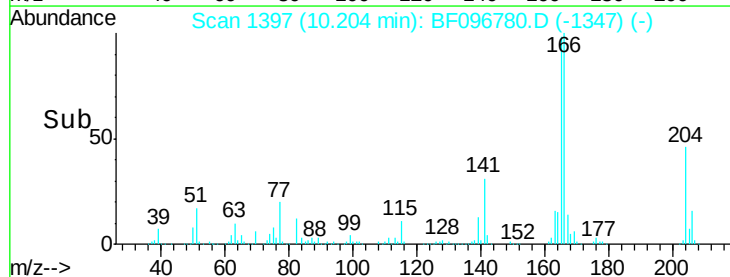
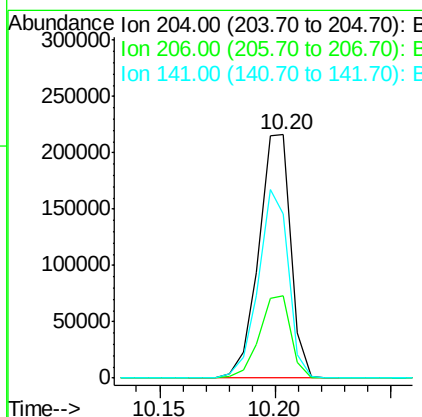
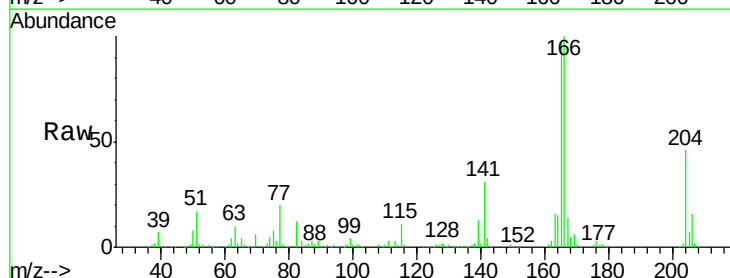
Manual Integrations  
APPROVED

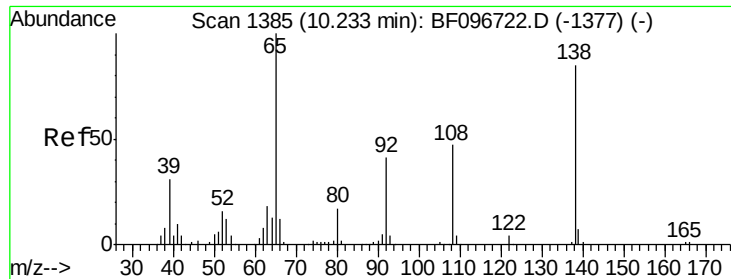
mohammad  
7/17/2017 3:56:32 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 48.534 ng  
RT: 10.20 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 209630 |       |       |
| 206     | 33.7  | 26.2   | 39.2  |       |
| 141     | 67.5  | 60.8   | 91.2  |       |





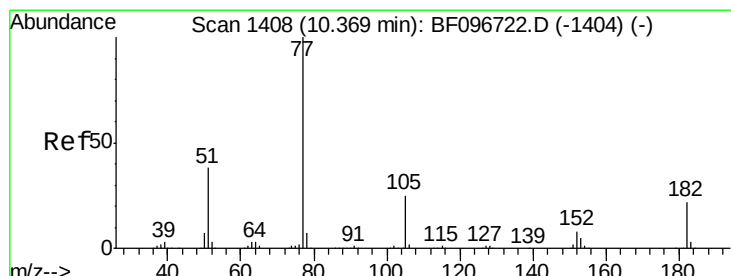
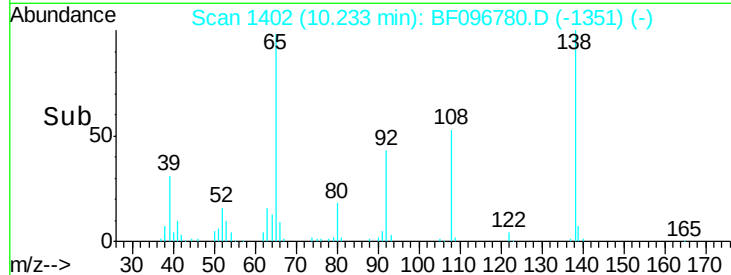
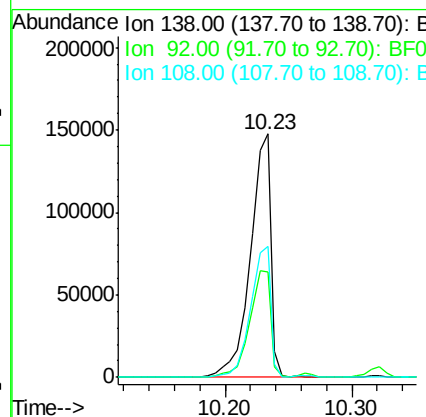
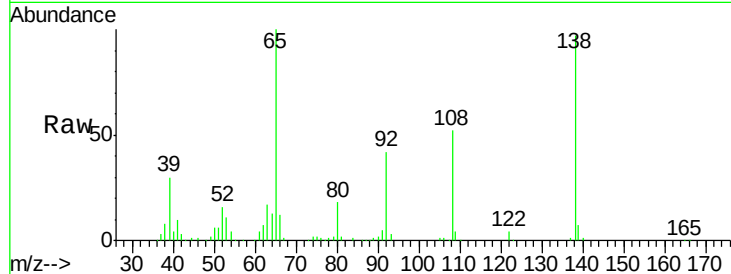
#61  
4-Nitroaniline  
Concen: 52.752 ng  
RT: 10.23 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 165682 |       |       |
| 92      | 43.1  | 21.8   | 61.8  |       |
| 108     | 53.8  | 42.3   | 82.3  |       |

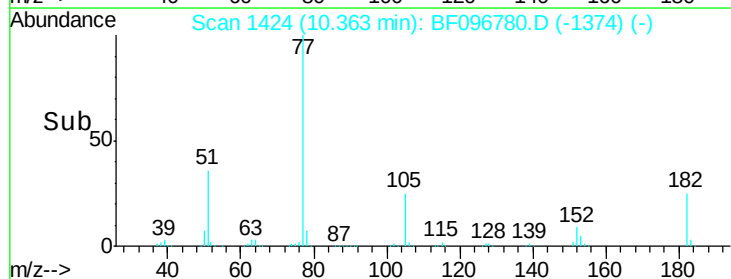
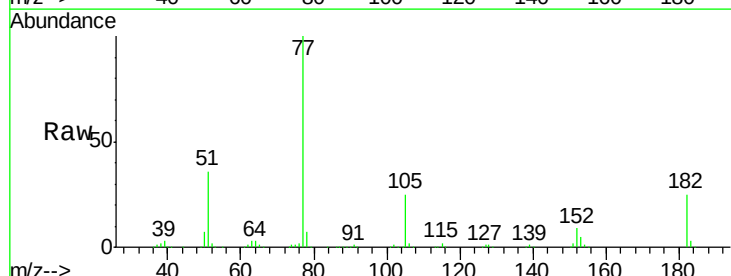
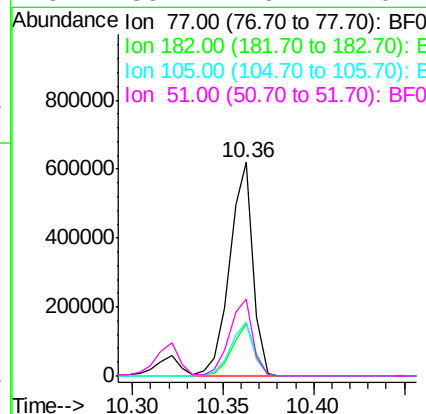
Manual Integrations  
APPROVED

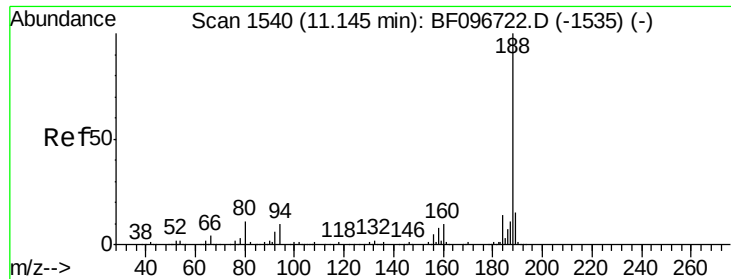
mohammad  
7/17/2017 3:56:32 PM



#62  
Azobenzene  
Concen: 49.224 ng  
RT: 10.36 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 551027 |       |       |
| 182     | 24.6  | 0.1    | 40.1  |       |
| 105     | 25.1  | 3.6    | 43.6  |       |
| 51      | 35.7  | 9.4    | 49.4  |       |





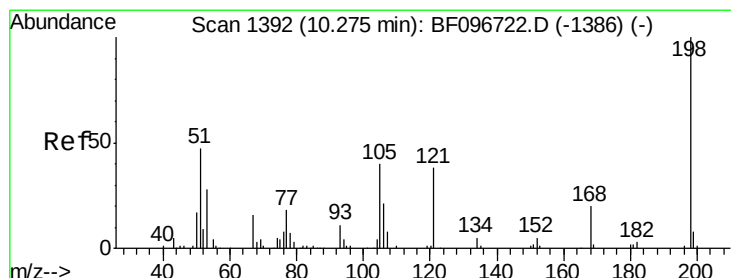
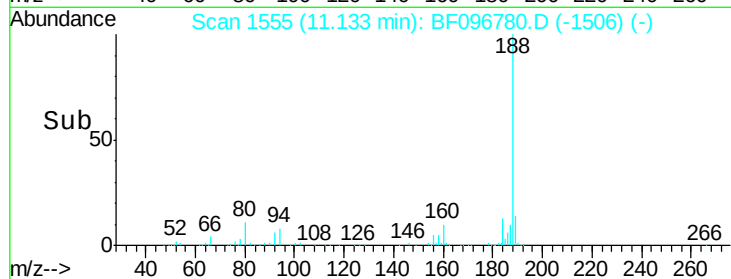
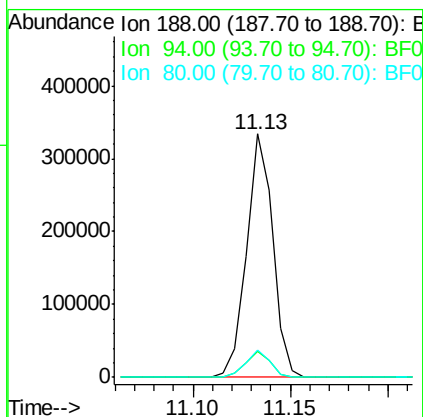
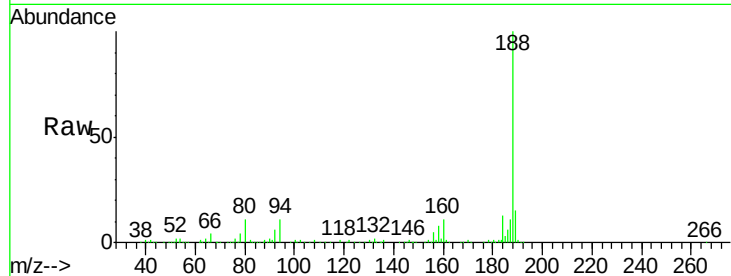
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.13 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 310977 |       |       |
| 94      | 10.8  |        | 9.4   | 14.2  |
| 80      | 11.0  |        | 10.2  | 15.2  |

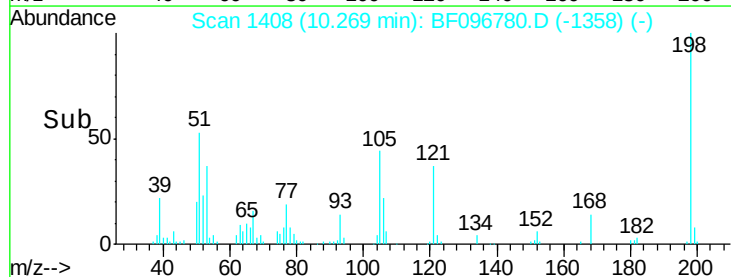
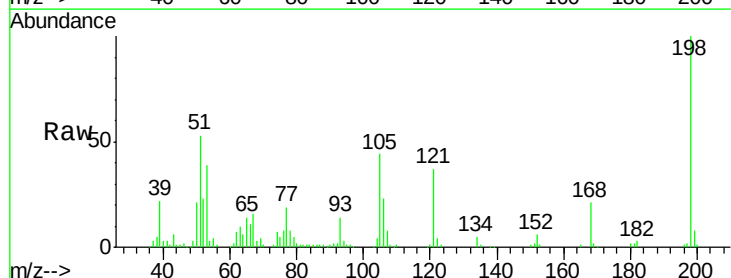
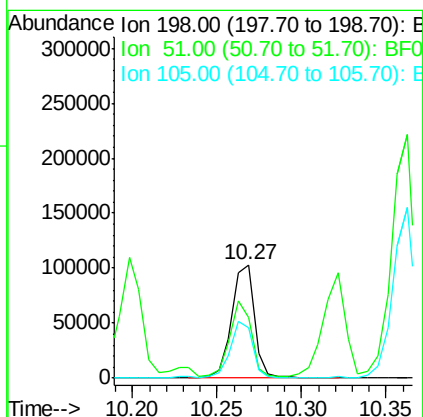
Manual Integrations  
 APPROVED

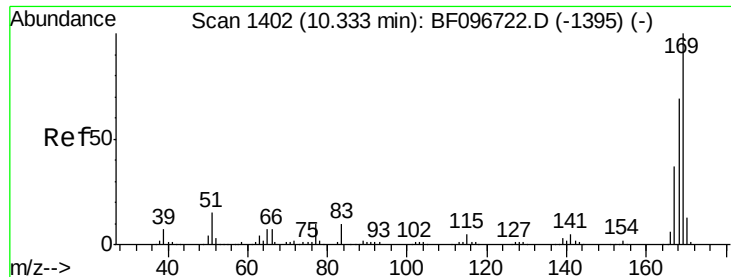
mohammad  
 7/17/2017 3:56:32 PM



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 49.626 ng  
 RT: 10.27 min Scan# 1408  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 96894 |       |       |
| 51      | 53.5  |       | 53.2  | 93.2  |
| 105     | 43.9  |       | 45.8  | 85.8# |





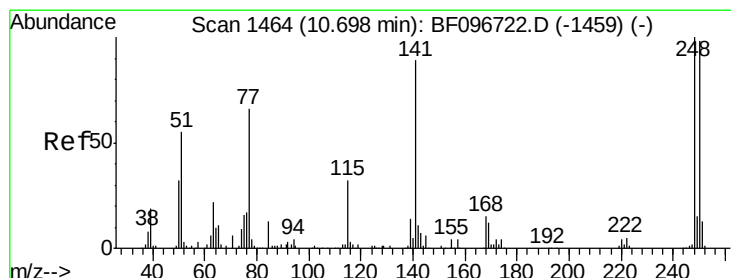
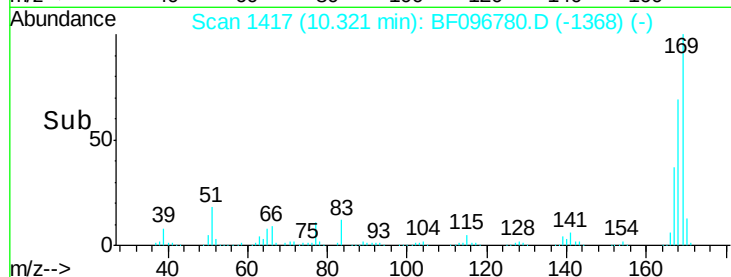
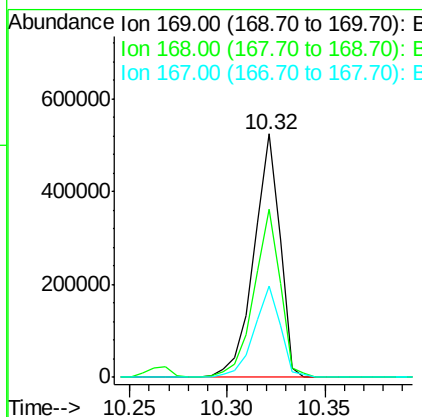
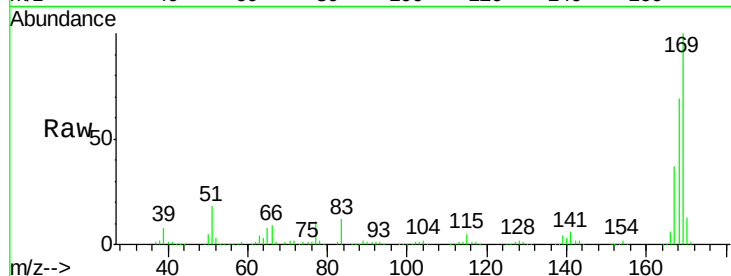
#65  
 n-Nitrosodiphenylamine  
 Concen: 43.588 ng  
 RT: 10.32 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 484529 |       |       |
| 168     | 69.0  | 53.2   | 79.8  |       |
| 167     | 37.4  | 29.5   | 44.3  |       |

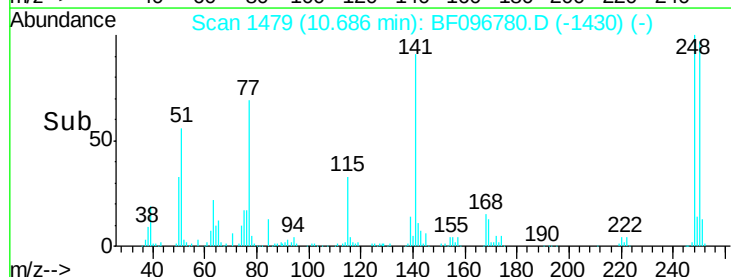
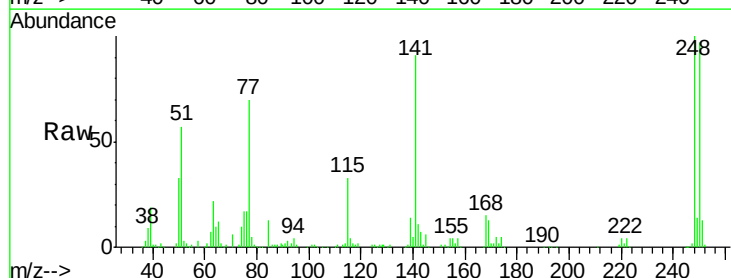
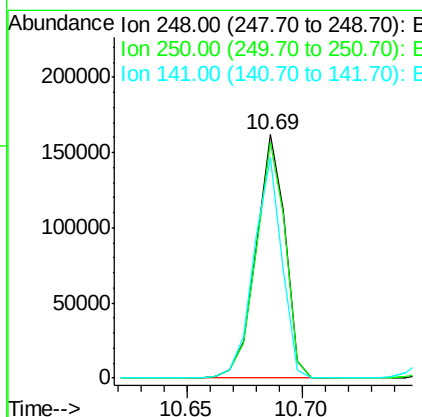
Manual Integrations  
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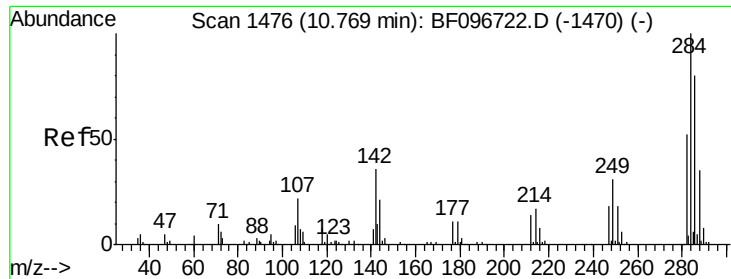
mohammad  
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#66  
 4-Bromophenyl-phenylether  
 Concen: 44.752 ng  
 RT: 10.69 min Scan# 1479  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 142086 |       |       |
| 250     | 96.8  | 76.8   | 115.2 |       |
| 141     | 90.7  | 68.6   | 103.0 |       |





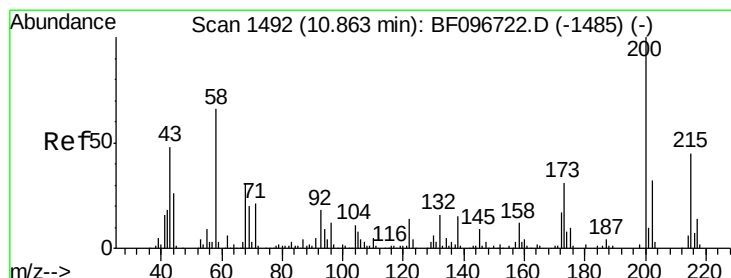
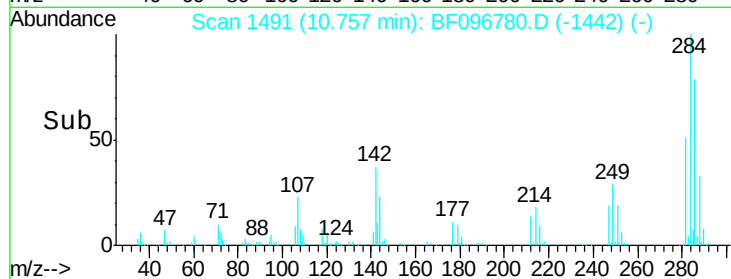
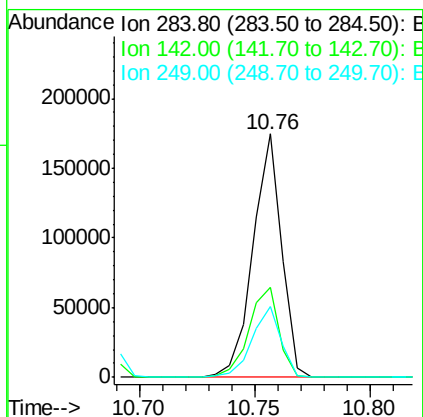
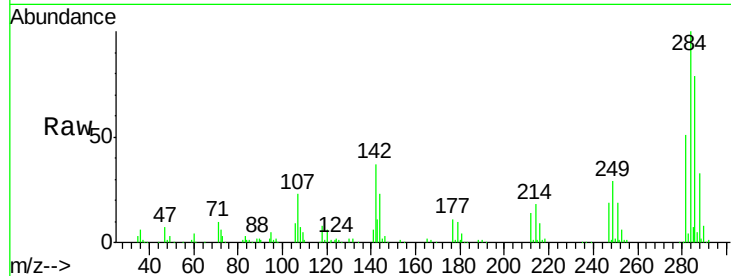
#67  
Hexachlorobenzene  
Concen: 42.808 ng  
RT: 10.76 min Scan# 1491  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 151375 |       |       |
| 142     | 36.7  | 22.8   | 34.2# |       |
| 249     | 29.2  | 24.0   | 36.0  |       |

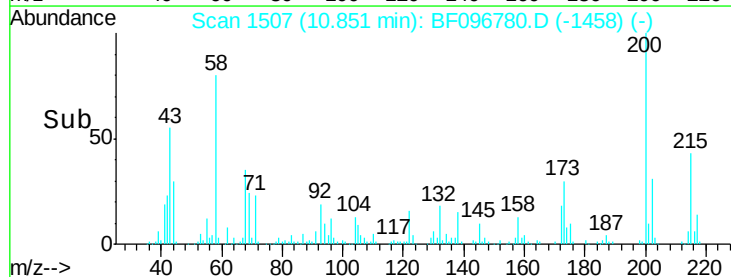
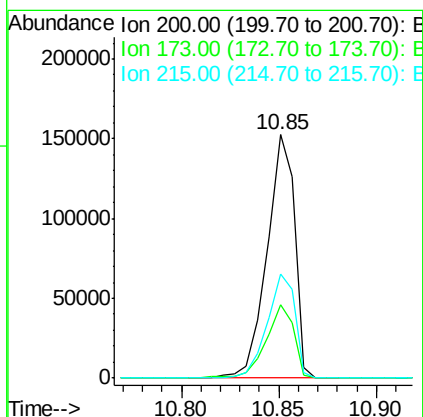
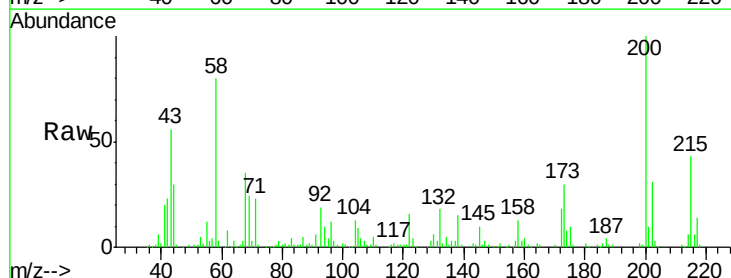
Manual Integrations  
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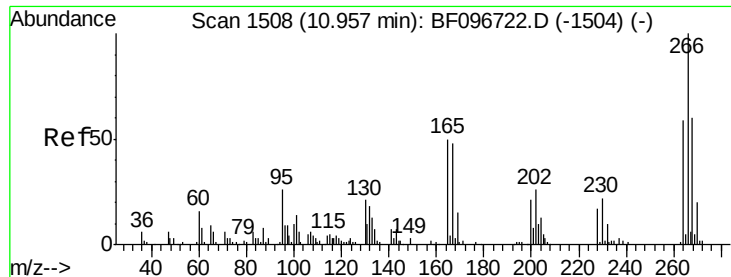
mohammad  
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#68  
Atrazine  
Concen: 47.080 ng  
RT: 10.85 min Scan# 1507  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 149102 |       |       |
| 173     | 30.1  | 6.3    | 46.3  |       |
| 215     | 42.8  | 27.2   | 67.2  |       |





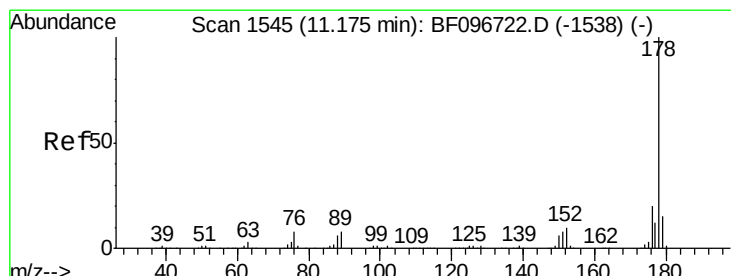
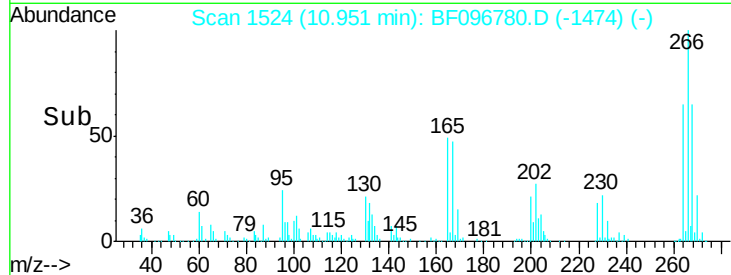
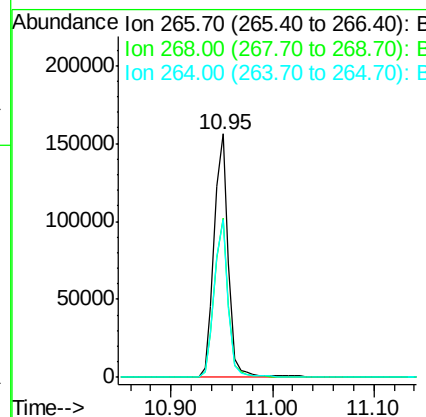
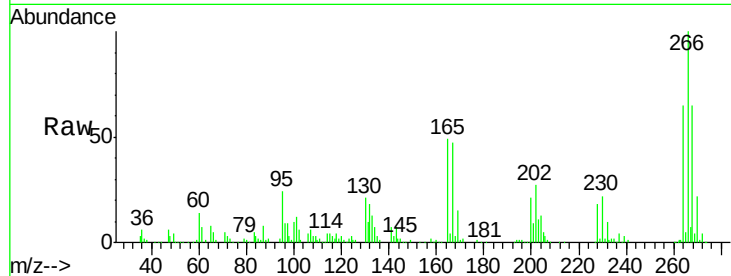
#69  
 Pentachlorophenol  
 Concen: 90.251 ng  
 RT: 10.95 min Scan# 1524  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 154175 |       |       |
| 268     | 65.4  | 51.1   | 76.7  |       |
| 264     | 64.6  | 51.7   | 77.5  |       |

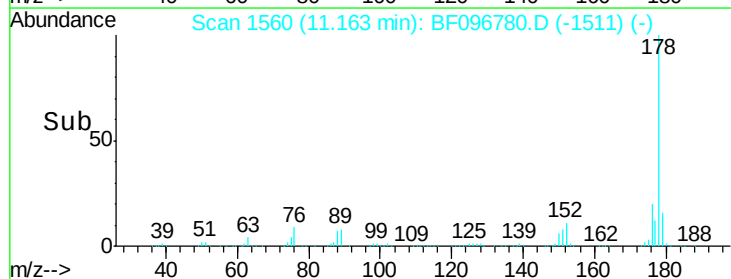
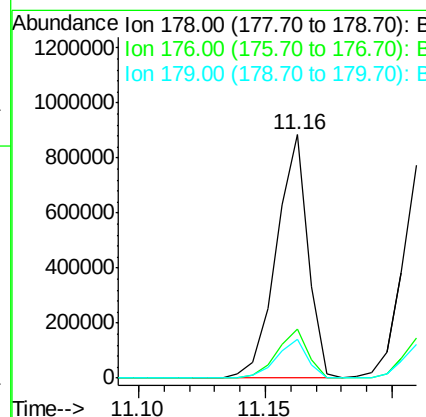
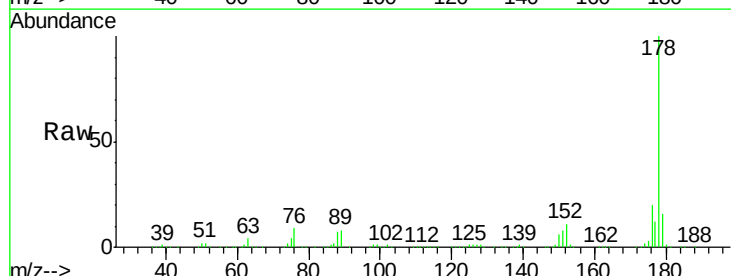
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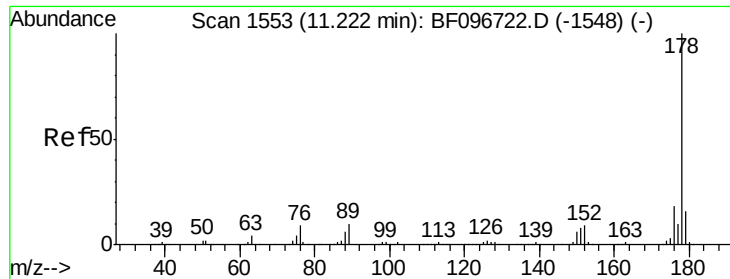
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#70  
 Phenanthrene  
 Concen: 45.821 ng  
 RT: 11.16 min Scan# 1560  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 774784 |       |       |
| 176     | 19.9  | 16.2   | 24.4  |       |
| 179     | 15.7  | 12.6   | 19.0  |       |





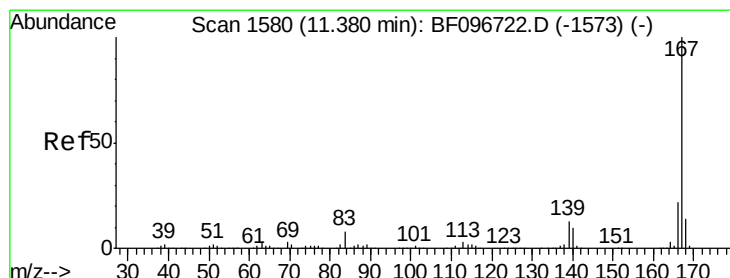
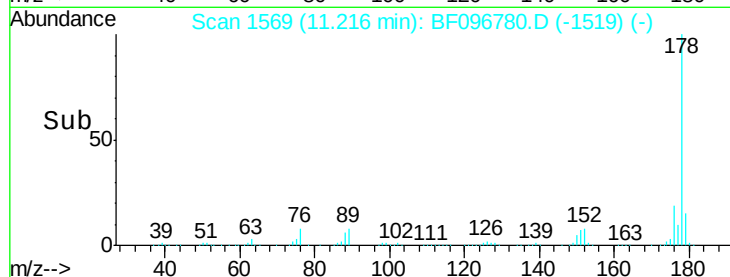
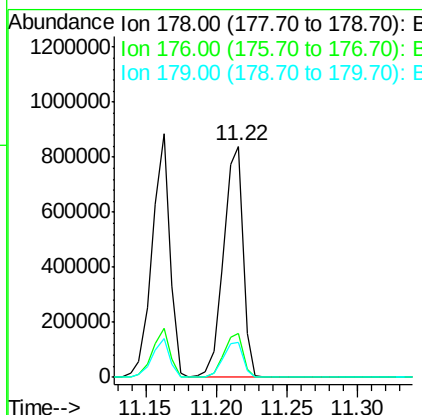
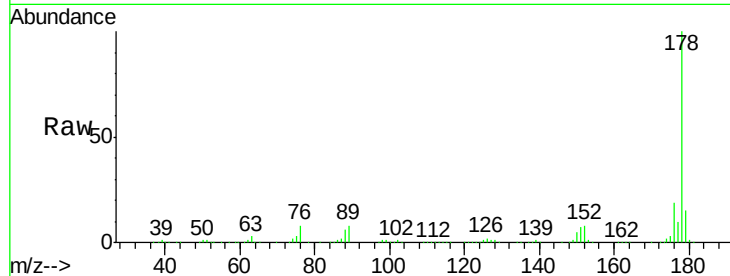
#71  
 Anthracene  
 Concen: 47.202 ng  
 RT: 11.22 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.8  | 23.8  |
| 179     | 15.2  | 12.7  | 19.1  |

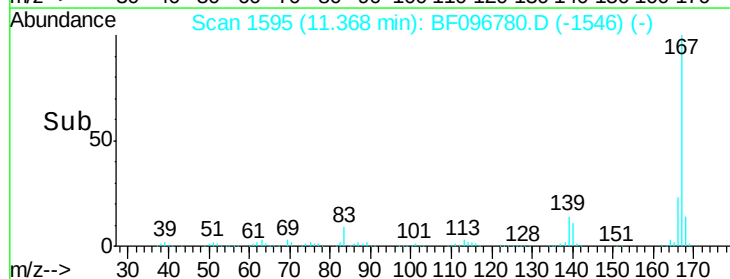
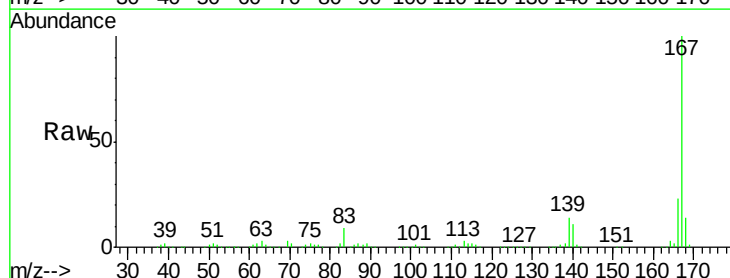
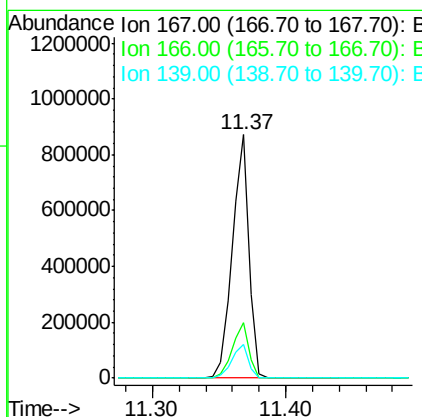
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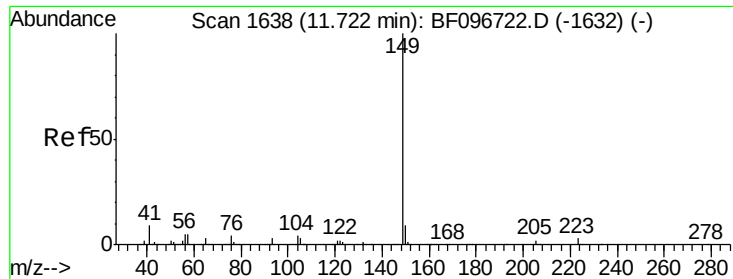


#72  
 Carbazole  
 Concen: 46.306 ng  
 RT: 11.37 min Scan# 1595  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.8  | 18.1  | 27.1  |
| 139     | 13.6  | 11.7  | 17.5  |







#73

Di-n-butylphthalate

Concen: 45.475 ng

RT: 11.71 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

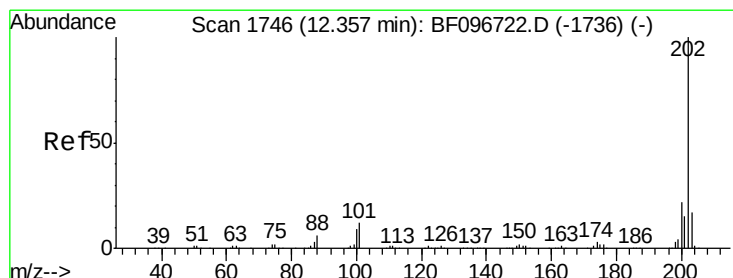
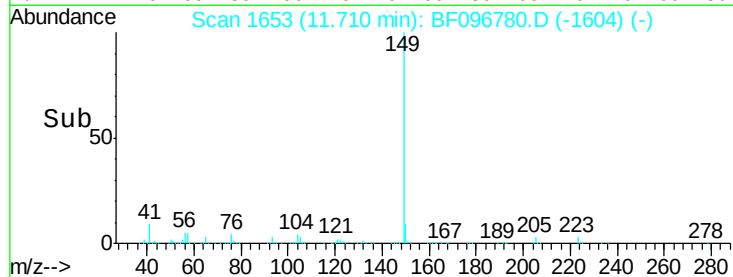
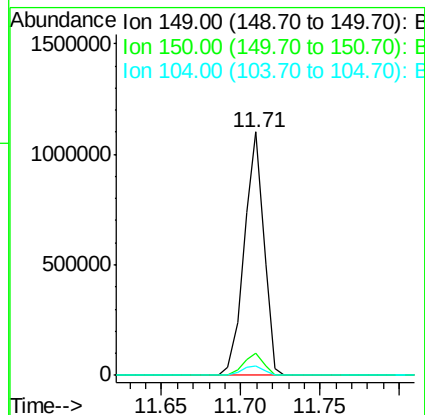
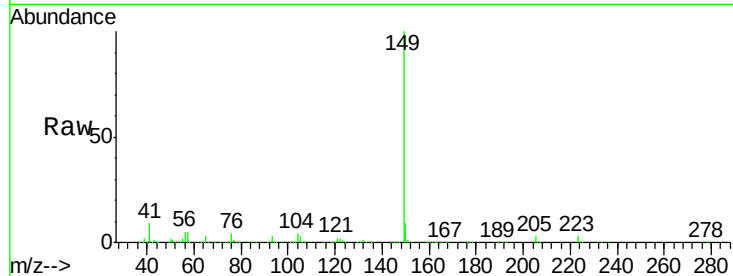
ClientSampleId :

PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 937611 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.4   | 7.7   | 11.5   |
| 104       | 4.1   | 4.0   | 6.0    |

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#74

Fluoranthene

Concen: 52.306 ng

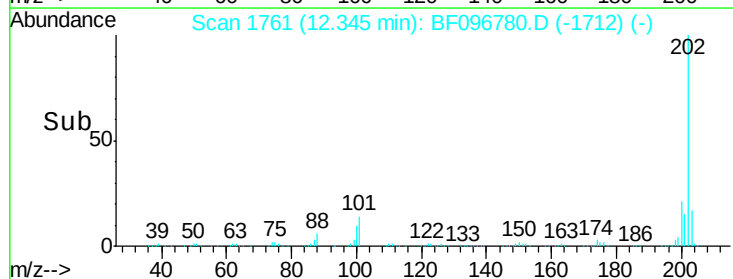
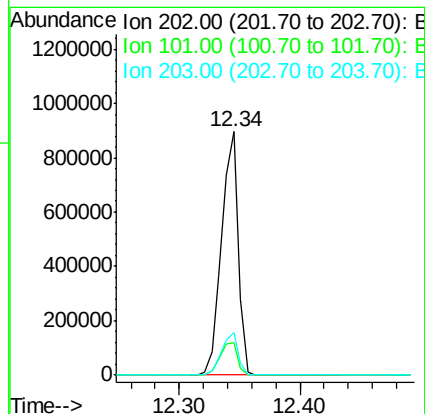
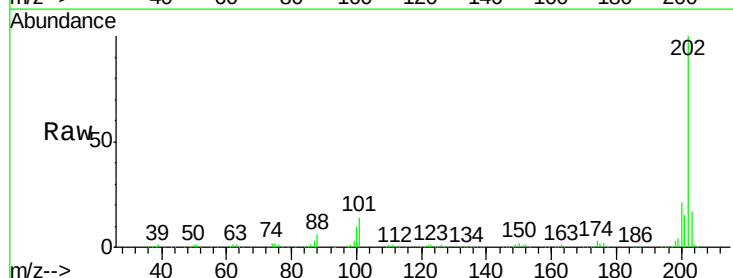
RT: 12.34 min Scan# 1761

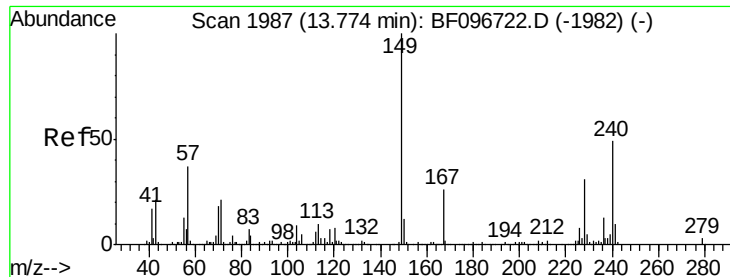
Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 846556 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.5  | 0.0   | 33.2   |
| 203       | 17.4  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

ClientSampleId :

PB100644BS

Tgt Ion: 240 Resp: 211650

Ion Ratio Lower Upper

240 100

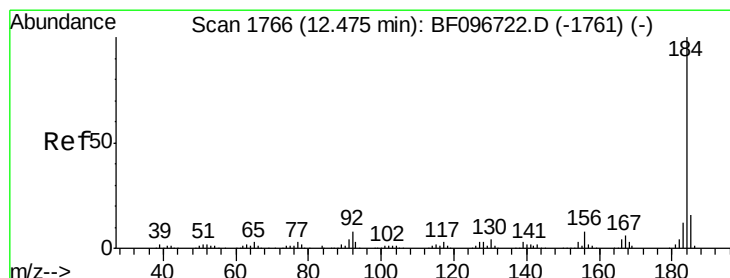
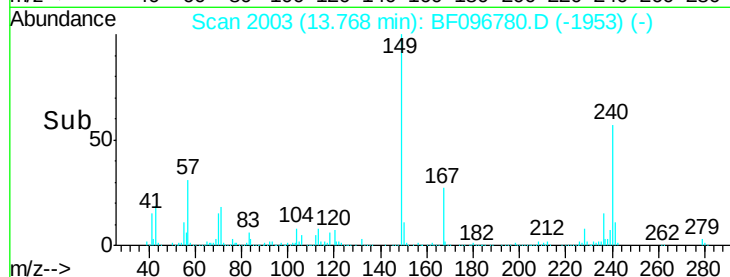
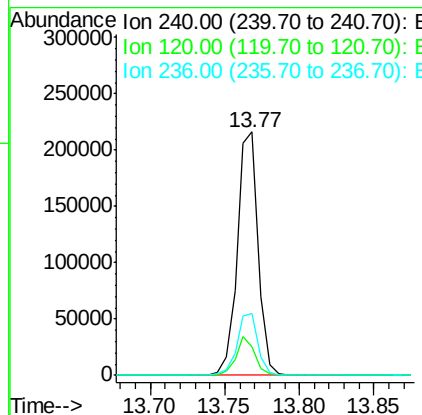
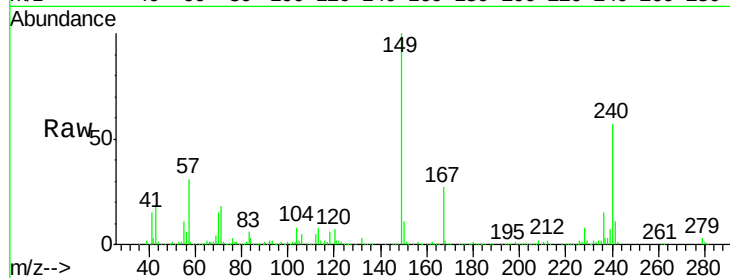
120 11.7 5.8 8.8#

236 25.6 20.5 30.7

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#76

Benzidine

Concen: 67.747 ng

RT: 12.47 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

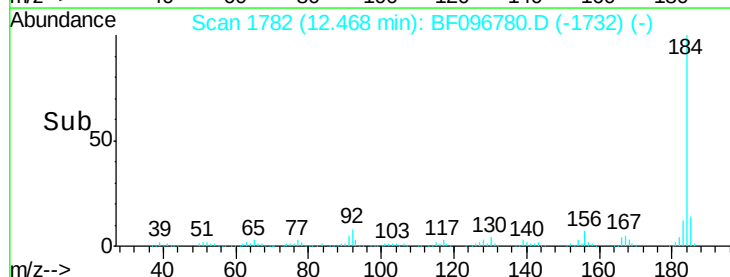
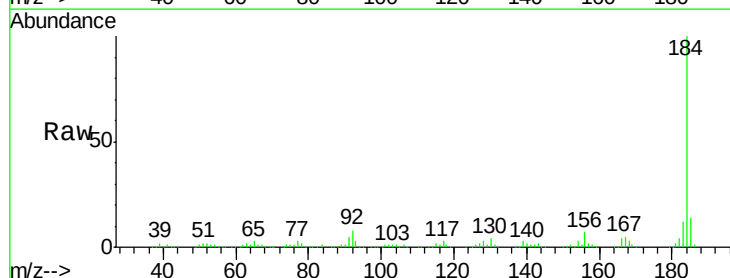
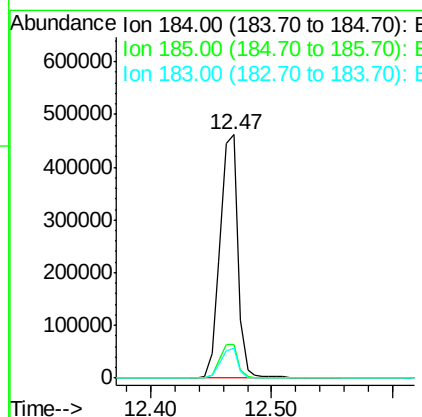
Tgt Ion: 184 Resp: 469743

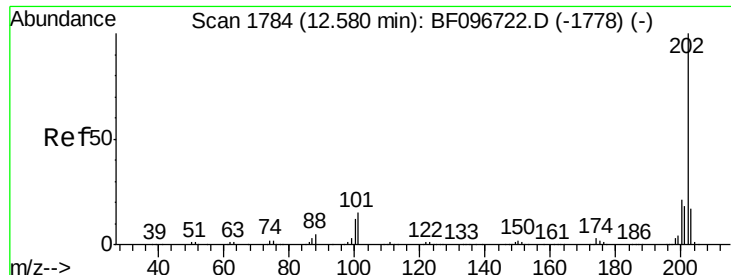
Ion Ratio Lower Upper

184 100

185 13.9 15.5 23.3#

183 12.0 9.8 14.6





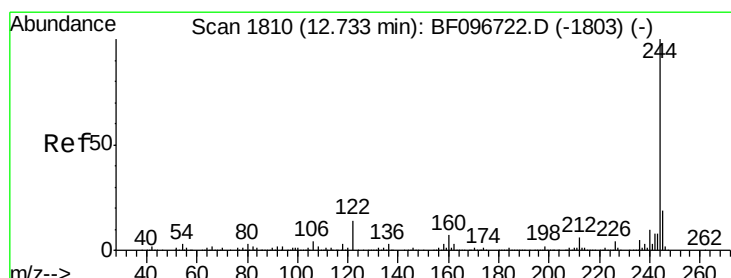
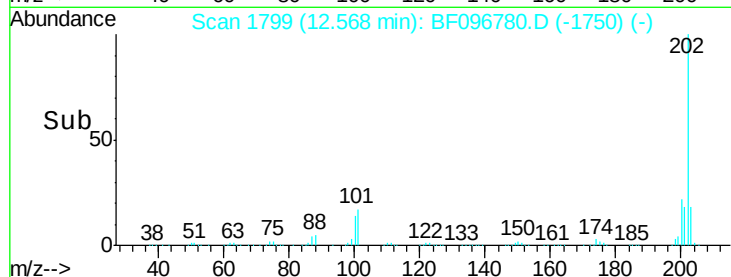
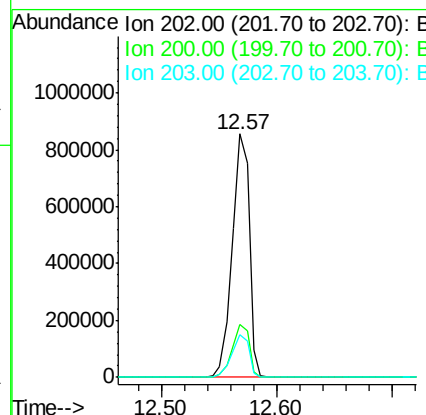
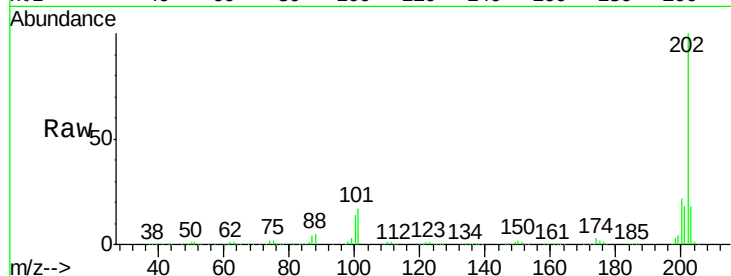
#77  
 Pyrene  
 Concen: 45.720 ng  
 RT: 12.57 min Scan# 1799  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 878208 |       |       |
| 200     | 21.9  | 17.6   | 26.4  |       |
| 203     | 17.7  | 14.4   | 21.6  |       |

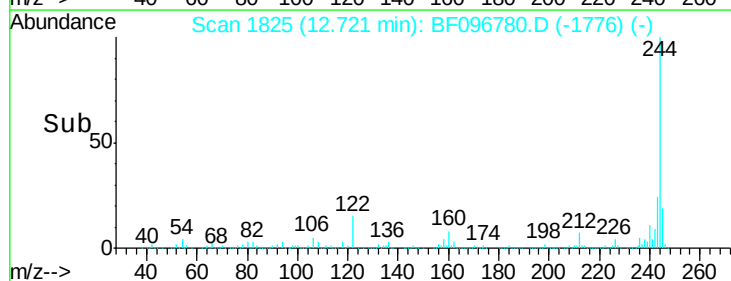
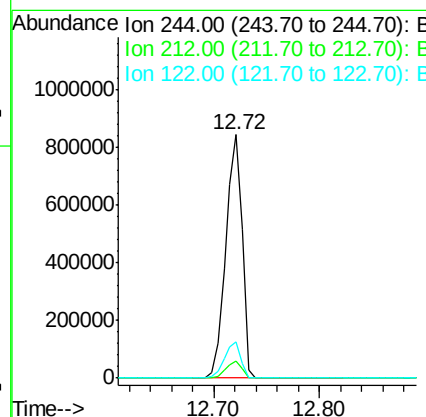
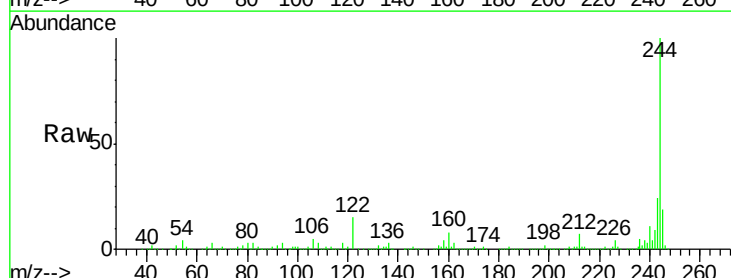
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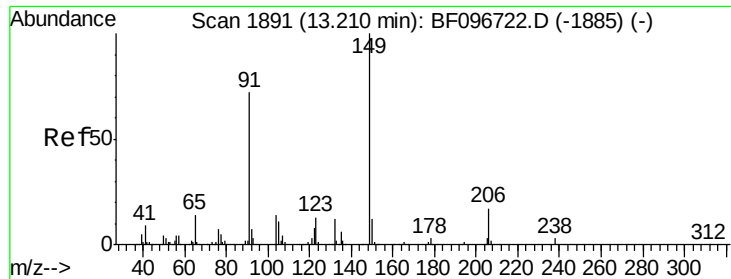
mohammad  
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#78  
 Terphenyl-d14  
 Concen: 74.864 ng  
 RT: 12.72 min Scan# 1825  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 913646 |       |       |
| 212     | 6.8   | 6.0    | 9.0   |       |
| 122     | 15.1  | 10.3   | 15.5  |       |





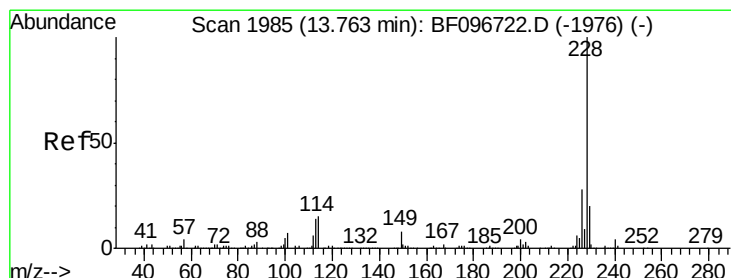
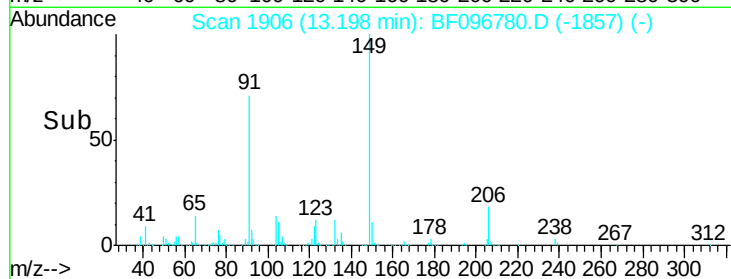
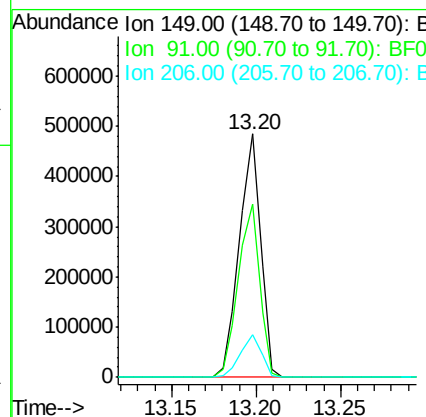
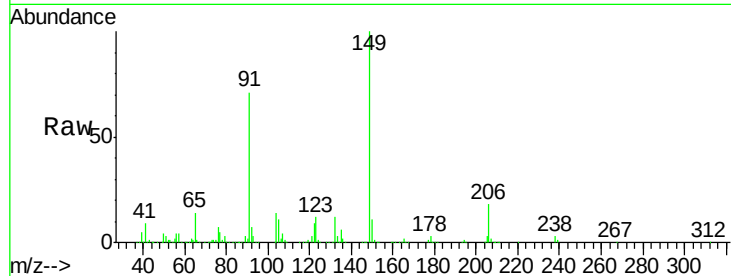
#79  
Butylbenzylphthalate  
Concen: 93.412 ng  
RT: 13.20 min Scan# 1906  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 91      | 71.0  | 45.0       | 67.4#      |
| 206     | 17.6  | 17.0       | 25.6       |

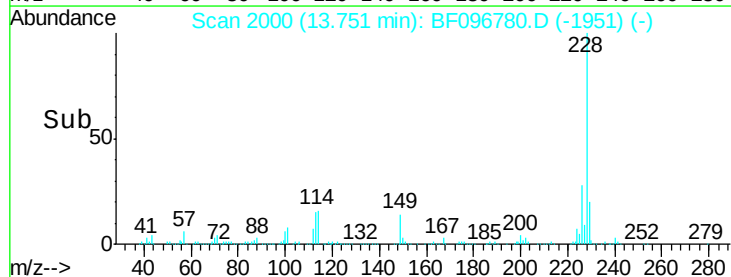
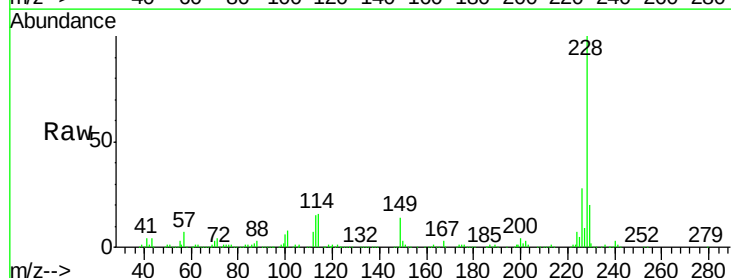
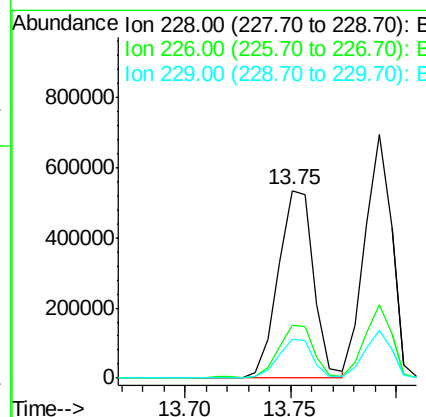
Manual Integrations  
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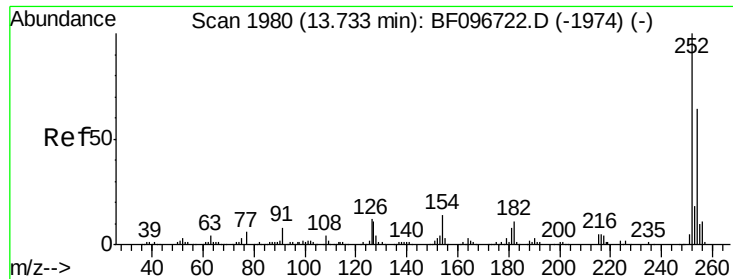
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#80  
Benzo(a)anthracene  
Concen: 47.558 ng  
RT: 13.75 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 28.4  | 22.6       | 33.8       |
| 229     | 20.4  | 16.3       | 24.5       |





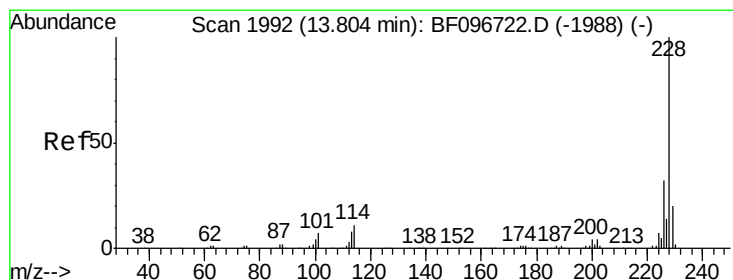
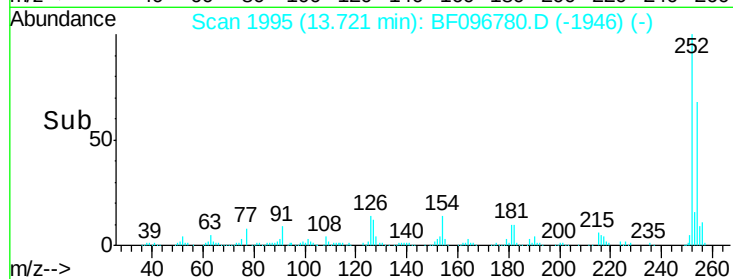
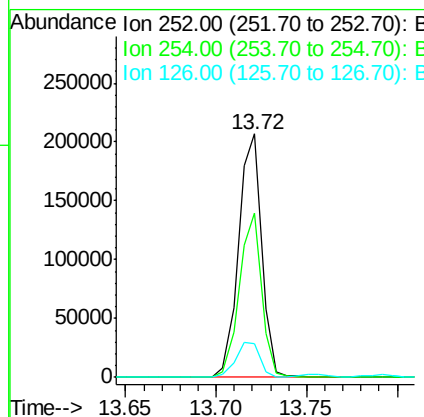
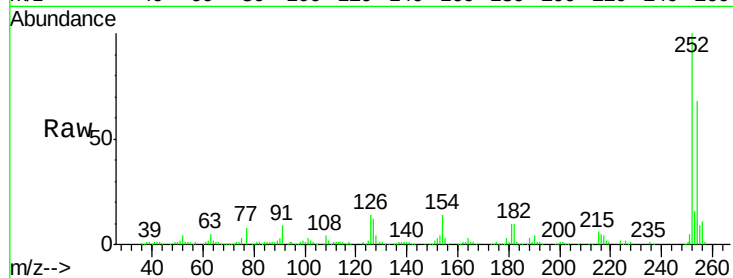
#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.675 ng  
 RT: 13.72 min Scan# 1995  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB100644BS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 67.7  | 51.5       | 77.3       |
| 126     | 13.9  | 15.8       | 23.8       |

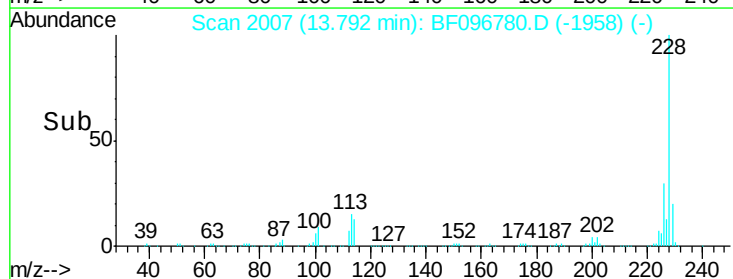
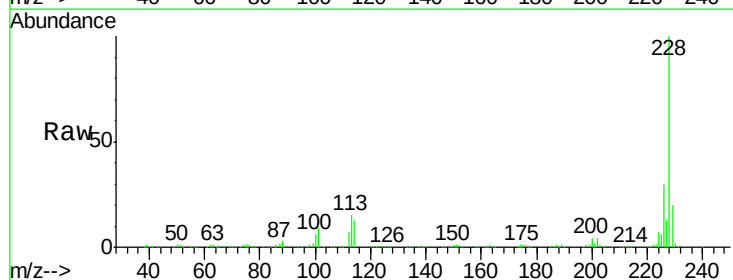
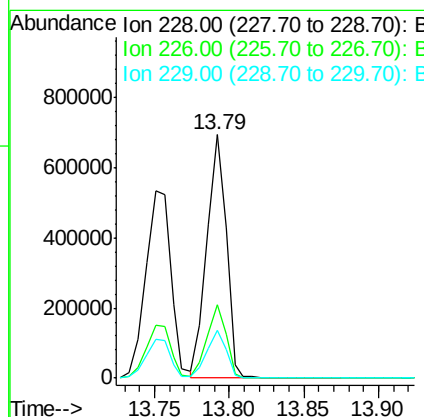
Manual Integrations  
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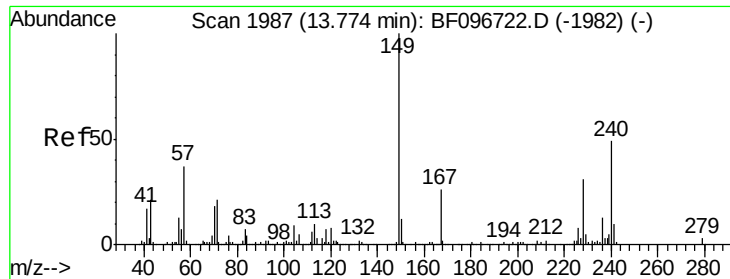
mohammad  
 7/17/2017 3:56:32 PM



#82  
 Chrysene  
 Concen: 48.026 ng  
 RT: 13.79 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 30.2  | 24.9       | 37.3       |
| 229     | 19.7  | 15.8       | 23.6       |





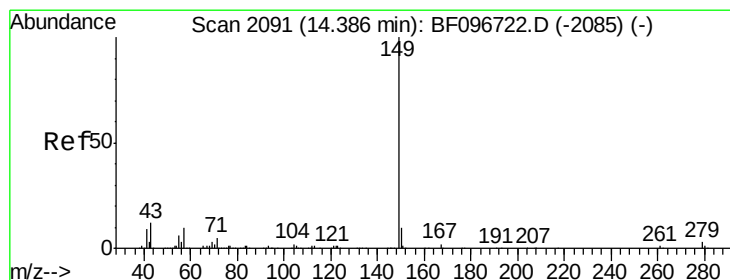
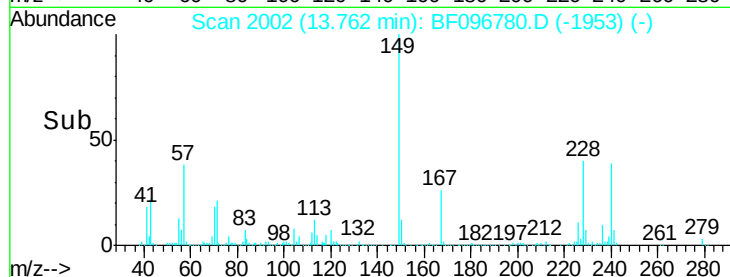
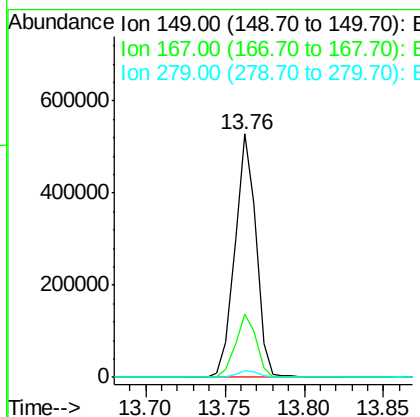
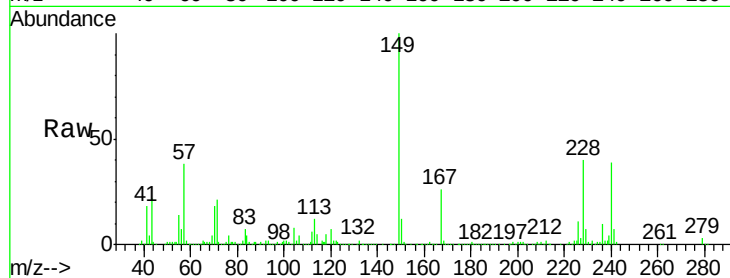
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.906 ng  
 RT: 13.76 min Scan# 2002  
 Delta R.T. -0.01 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100644BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 487989 |       |       |
| 167     | 25.8  | 21.0   | 31.4  |       |
| 279     | 2.6   | 1.9    | 2.9   |       |

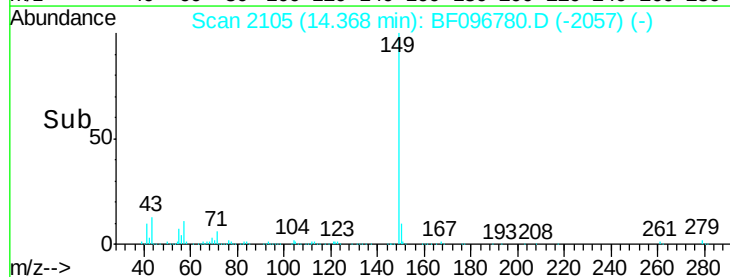
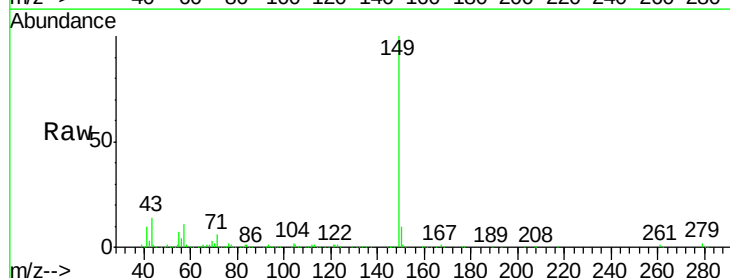
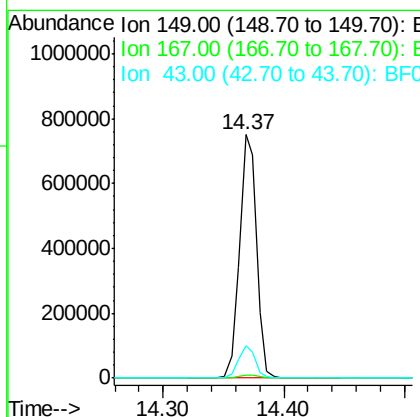
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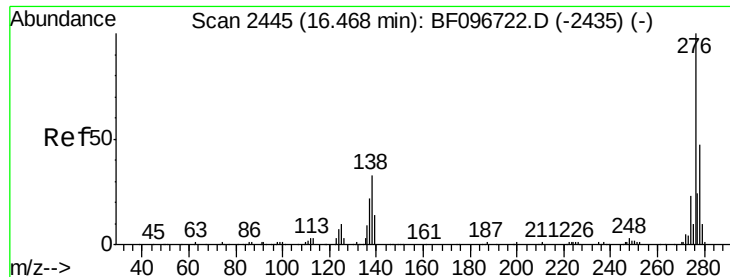
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#84  
 Di-n-octyl phthalate  
 Concen: 40.117 ng  
 RT: 14.37 min Scan# 2105  
 Delta R.T. -0.02 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 737044 |       |       |
| 167     | 1.4   | 1.2    | 1.8   |       |
| 43      | 12.9  | 8.5    | 12.7# |       |





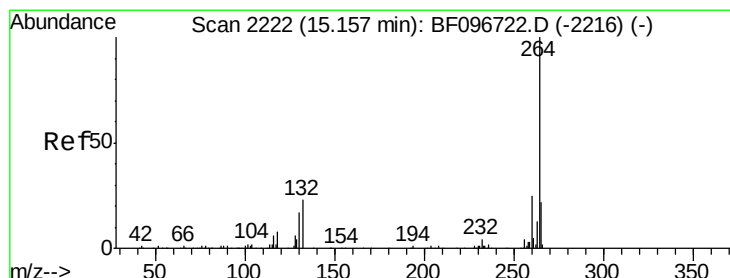
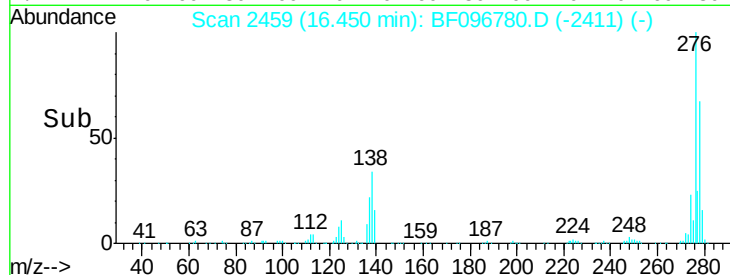
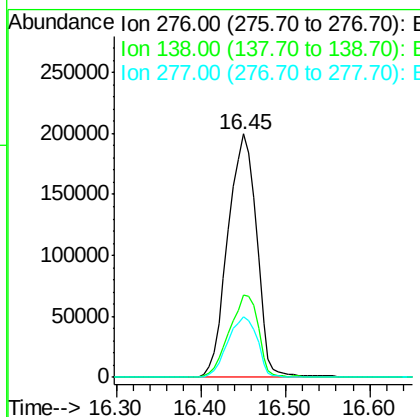
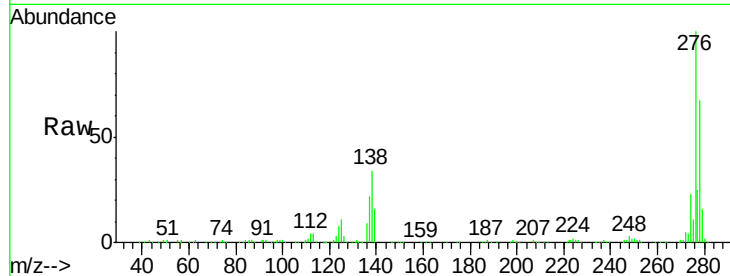
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 39.024 ng  
 RT: 16.45 min Scan# 2459  
 Delta R.T. -0.02 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.2  | 27.8  | 41.6  |
| 277     | 25.4  | 20.2  | 30.4  |

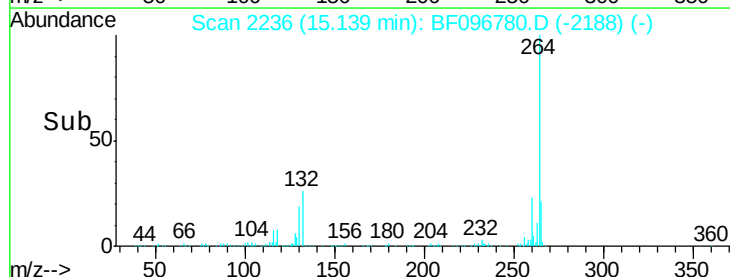
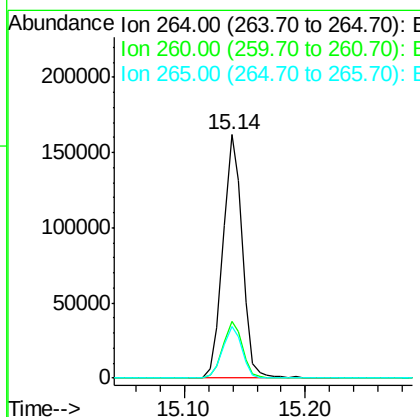
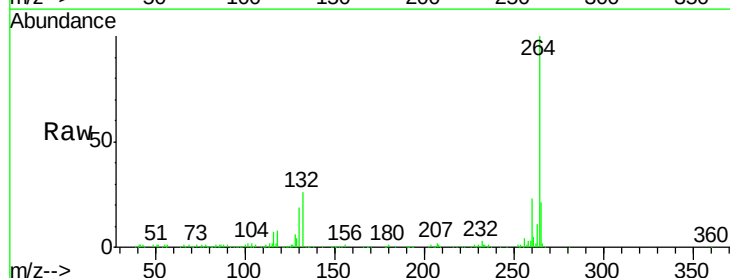
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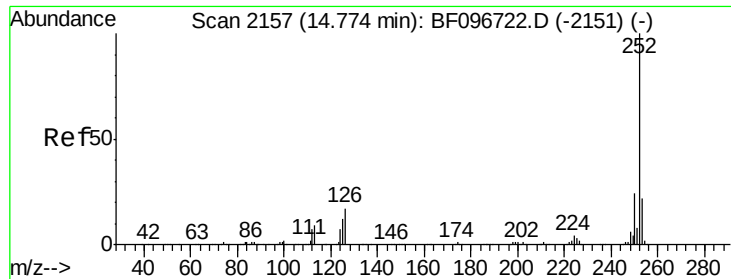
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 2236  
 Delta R.T. -0.02 min  
 Lab File: BF096780.D  
 Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.0  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 44.648 ng

RT: 14.76 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

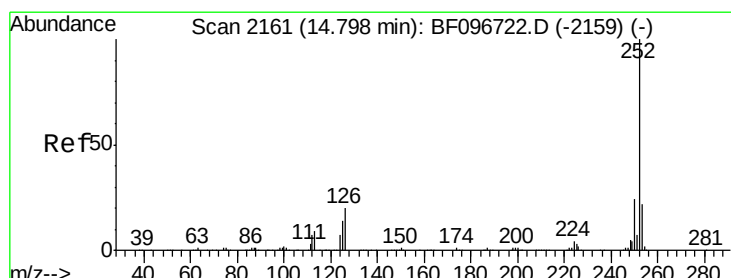
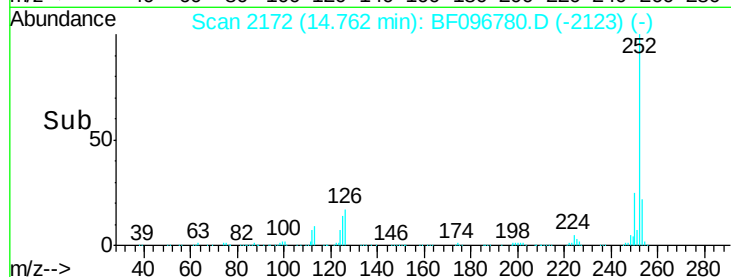
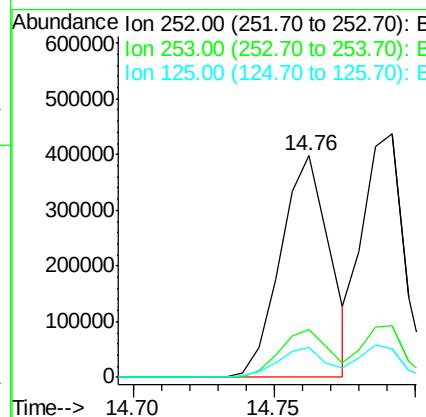
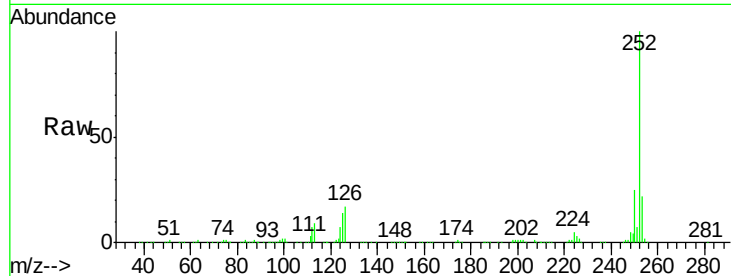
ClientSampleId :

PB100644BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 480573 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.6  | 18.1  | 27.1   |
| 125       | 13.6  | 9.8   | 14.8   |

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#88

Benzo(k)fluoranthene

Concen: 43.540 ng m

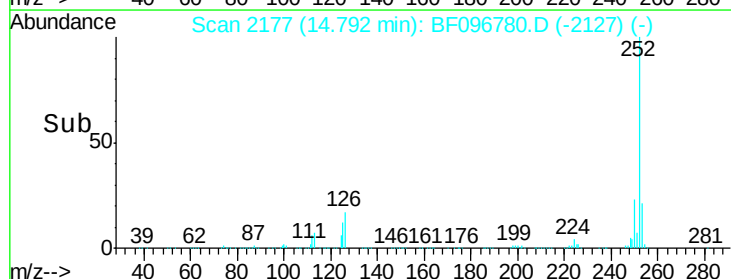
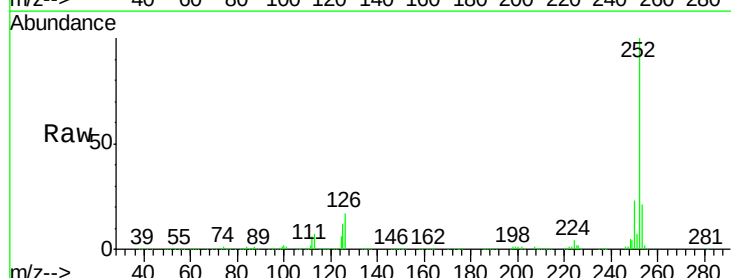
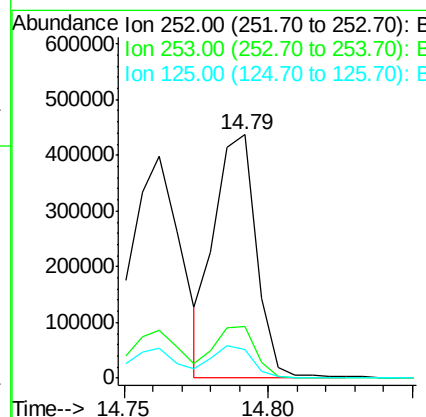
RT: 14.79 min Scan# 2177

Delta R.T. -0.01 min

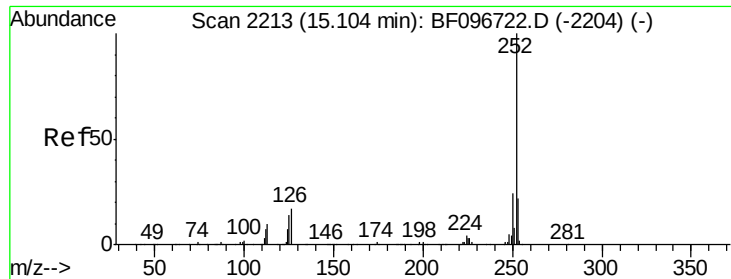
Lab File: BF096780.D

Acq: 14 Jul 2017 19:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 443785 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.4  | 18.4  | 27.6   |
| 125       | 11.7  | 13.1  | 19.7#  |







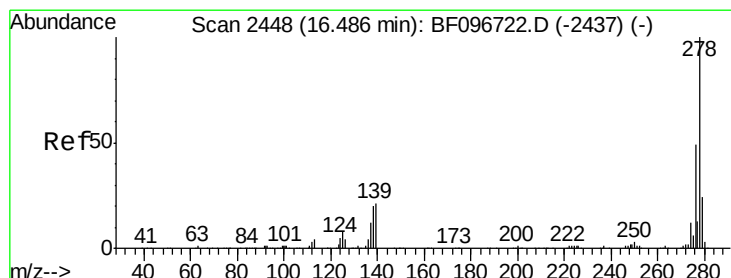
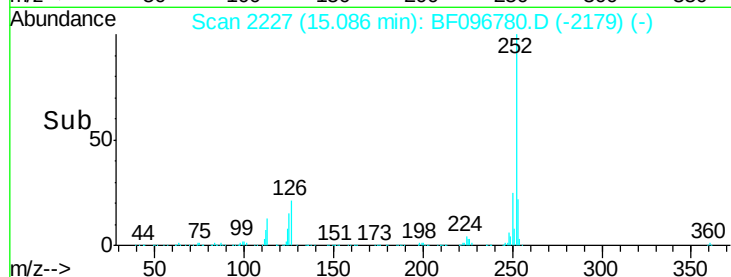
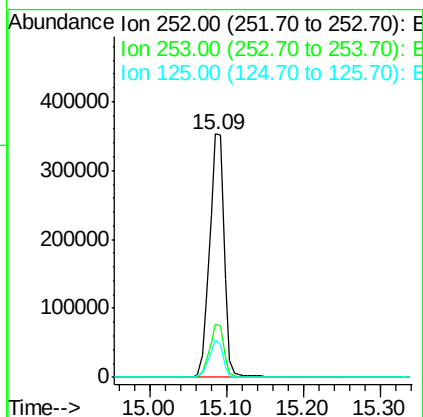
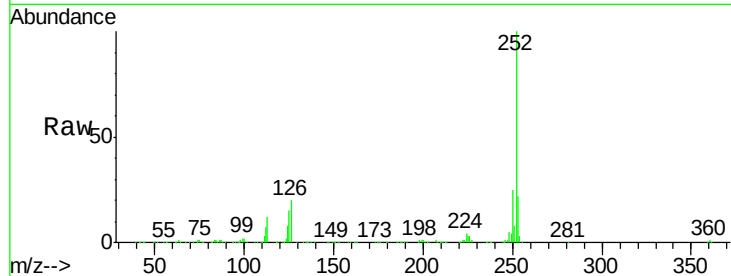
#89  
Benzo(a)pyrene  
Concen: 46.234 ng  
RT: 15.09 min Scan# 2227  
Delta R.T. -0.02 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB100644BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.5  | 26.3  |
| 125     | 15.2  | 11.0  | 16.4  |

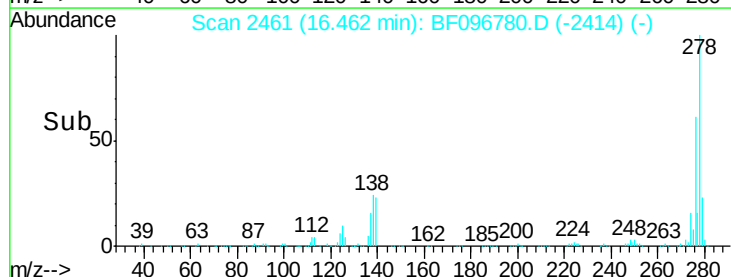
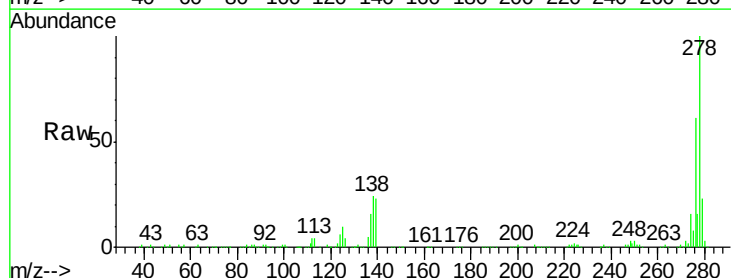
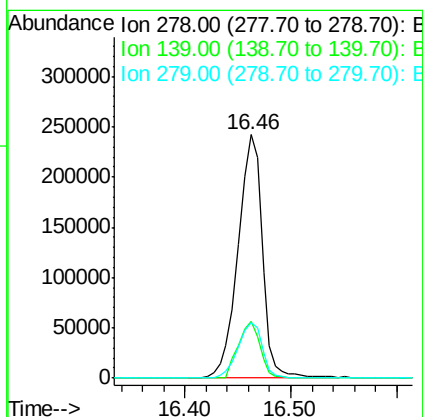
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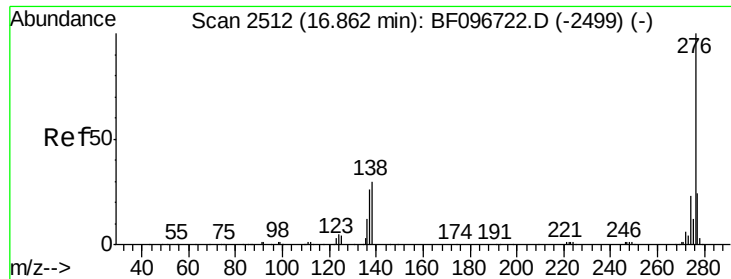
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#90  
Dibenzo(a,h)anthracene  
Concen: 42.467 ng  
RT: 16.46 min Scan# 2461  
Delta R.T. -0.02 min  
Lab File: BF096780.D  
Acq: 14 Jul 2017 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 23.1  | 16.6  | 24.8  |
| 279     | 22.8  | 19.3  | 28.9  |





#91

Benzo(g,h,i)perylene

Concen: 42.600 ng

RT: 16.84 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF096780.D

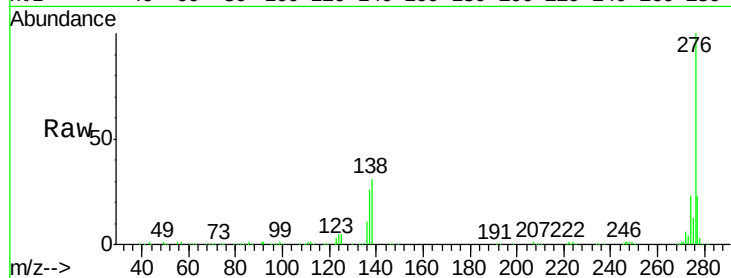
Acq: 14 Jul 2017 19:14

Instrument :

BNA\_F

ClientSampleId :

PB100644BS



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 414389 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.4  | 18.6  | 28.0   |
| 138       | 30.8  | 25.4  | 38.0   |

Manual Integrations  
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