

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031815\  
 Data File : BF077791.D  
 Acq On : 18 Mar 2015 9:52  
 Operator : TP/IZ  
 Sample : PB82134BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

Manual Integrations  
 APPROVED

mohammad  
 3/20/2015 1:47:50 PM

Quant Time: Mar 19 01:22:07 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 13:16:00 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.16  | 152  | 37501    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.74  | 136  | 158316   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.91 | 164  | 76401    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.75 | 188  | 152660   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 16.09 | 240  | 161520   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 17.99 | 264  | 157820   | 20.00 | ng    | -0.11    |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 193261 | 89.96 | ng | 0.01  |
| 7) Phenol-d6             | 6.73  | 99  | 249186 | 93.88 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.85  | 82  | 177488 | 73.49 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 11.89 | 330 | 59636  | 81.58 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 10.09 | 172 | 413137 | 79.47 | ng | 0.00  |
| 78) Terphenyl-d14        | 14.75 | 244 | 473864 | 71.66 | ng | -0.01 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.06 | 88  | 34582  | 35.45 | ng | # 100  |
| 3) Pyridine                    | 2.75 | 79  | 101062 | 38.56 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.68 | 42  | 41681  | 36.52 | ng | 97     |
| 6) Aniline                     | 6.75 | 93  | 81248  | 21.40 | ng | # 72   |
| 8) 2-Chlorophenol              | 6.89 | 128 | 117959 | 46.13 | ng | 99     |
| 9) Benzaldehyde                | 6.60 | 77  | 6944   | 6.39  | ng | 92     |
| 10) Phenol                     | 6.74 | 94  | 141835 | 45.20 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.85 | 93  | 110728 | 47.11 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.08 | 146 | 124316 | 43.71 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.18 | 146 | 124059 | 41.98 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.37 | 146 | 116680 | 43.06 | ng | 98     |
| 15) Benzyl Alcohol             | 7.34 | 79  | 93621  | 45.18 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.53 | 45  | 143088 | 45.18 | ng | 100    |
| 17) 2-Methylphenol             | 7.49 | 107 | 94437  | 45.36 | ng | 98     |
| 18) Hexachloroethane           | 7.78 | 117 | 41893  | 43.22 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.68 | 70  | 77112  | 41.99 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.69 | 107 | 121795 | 44.58 | ng | 98     |
| 22) Acetophenone               | 7.66 | 105 | 156320 | 44.60 | ng | # 98   |
| 24) Nitrobenzene               | 7.88 | 77  | 111659 | 42.91 | ng | # 79   |
| 25) Isophorone                 | 8.18 | 82  | 209777 | 43.01 | ng | 100    |
| 26) 2-Nitrophenol              | 8.27 | 139 | 57217  | 44.92 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 8.34 | 122 | 110232 | 47.50 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 8.46 | 93  | 132560 | 44.78 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.57 | 162 | 100100 | 45.25 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.67 | 180 | 102622 | 41.46 | ng | 98     |
| 31) Naphthalene                | 8.76 | 128 | 342837 | 42.16 | ng | 100    |
| 32) Benzoic acid               | 8.45 | 122 | 48588  | 38.21 | ng | 97     |
| 33) 4-Chloroaniline            | 8.84 | 127 | 83950  | 25.44 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.92 | 225 | 58259  | 41.53 | ng | 99     |
| 35) Caprolactam                | 9.26 | 113 | 30271  | 46.82 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 9.45 | 107 | 98237  | 44.14 | ng | # 83   |
| 37) 2-Methylnaphthalene        | 9.62 | 142 | 233183 | 42.69 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.82 | 216 | 98592  | 43.27 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.81 | 237 | 102552 | 89.51 | ng | 98     |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

Manual Integrations  
 APPROVED

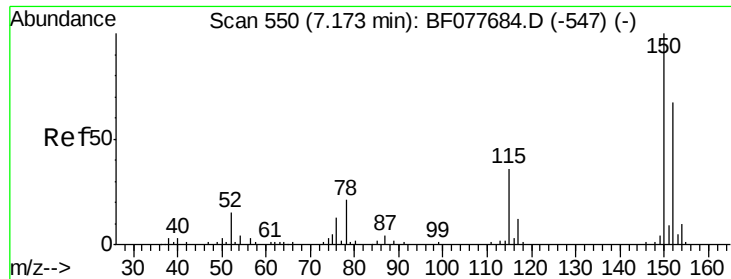
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 3/20/2015 1:47:50 PM

Quant Time: Mar 19 01:22:07 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 13:16:00 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.97  | 196  | 70191    | 44.47 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 10.02 | 196  | 74556    | 43.72 | nq    | # 88     |
| 45) 1,1'-Biphenyl              | 10.20 | 154  | 272336   | 44.59 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 10.22 | 162  | 226502   | 45.63 | nq    | 96       |
| 47) 2-Nitroaniline             | 10.35 | 65   | 57911    | 46.98 | nq    | # 78     |
| 48) Acenaphthylene             | 10.73 | 152  | 354559   | 42.96 | nq    | 100      |
| 49) Dimethylphthalate          | 10.60 | 163  | 250319   | 44.17 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.67 | 165  | 55462    | 47.22 | nq    | # 79     |
| 51) Acenaphthene               | 10.94 | 154  | 196531   | 41.53 | nq    | 97       |
| 52) 3-Nitroaniline             | 10.86 | 138  | 46558    | 34.13 | nq    | 82       |
| 53) 2,4-Dinitrophenol          | 11.00 | 184  | 40307    | 92.06 | nq    | # 86     |
| 54) Dibenzofuran               | 11.16 | 168  | 315248   | 44.92 | nq    | 95       |
| 55) 4-Nitrophenol              | 11.09 | 139  | 98933    | 97.90 | nq    | 96       |
| 56) 2,4-Dinitrotoluene         | 11.16 | 165  | 75824    | 49.50 | nq    | 86       |
| 57) Fluorene                   | 11.59 | 166  | 249177   | 42.76 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.32 | 232  | 60927    | 46.40 | nq    | # 100    |
| 59) Diethylphthalate           | 11.47 | 149  | 244897   | 44.36 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 11.60 | 204  | 116090   | 43.65 | nq    | # 88     |
| 61) 4-Nitroaniline             | 11.62 | 138  | 59478    | 43.75 | nq    | 80       |
| 62) Azobenzene                 | 11.79 | 77   | 232030   | 43.97 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 11.67 | 198  | 29141    | 41.11 | nq    | # 73     |
| 65) n-Nitrosodiphenylamine     | 11.75 | 169  | 215271   | 42.35 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.20 | 248  | 69170    | 42.46 | nq    | # 83     |
| 67) Hexachlorobenzene          | 12.26 | 284  | 74257    | 41.48 | nq    | # 83     |
| 68) Atrazine                   | 12.42 | 200  | 64050    | 44.96 | nq    | 91       |
| 69) Pentachlorophenol          | 12.51 | 266  | 78433    | 83.51 | nq    | 97       |
| 70) Phenanthrene               | 12.77 | 178  | 384926   | 43.92 | nq    | 99       |
| 71) Anthracene                 | 12.84 | 178  | 388787   | 44.90 | nq    | 100      |
| 72) Carbazole                  | 13.05 | 167  | 367816   | 44.66 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.51 | 149  | 387782   | 41.99 | nq    | 99       |
| 74) Fluoranthene               | 14.25 | 202  | 415911   | 43.03 | nq    | 93       |
| 76) Benzidine                  | 14.44 | 184  | 171907m  | 43.07 | nq    |          |
| 77) Pyrene                     | 14.53 | 202  | 443852m  | 43.70 | nq    |          |
| 79) Butylbenzylphthalate       | 15.39 | 149  | 170038   | 42.46 | nq    | 93       |
| 80) Benzo(a)anthracene         | 16.08 | 228  | 412243   | 43.06 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.05 | 252  | 108151   | 34.24 | nq    | 99       |
| 82) Chrysene                   | 16.12 | 228  | 394645   | 45.84 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 16.16 | 149  | 247677   | 40.83 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 17.03 | 149  | 412418   | 39.76 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.43 | 276  | 446853m  | 41.59 | nq    |          |
| 87) Benzo(b)fluoranthene       | 17.49 | 252  | 394795   | 38.32 | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 17.53 | 252  | 388662   | 48.29 | nq    | 98       |
| 89) Benzo(a)pyrene             | 17.92 | 252  | 387956   | 45.13 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 19.46 | 278  | 355616   | 41.71 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 19.85 | 276  | 363175   | 41.84 | nq    | 99       |

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





#1

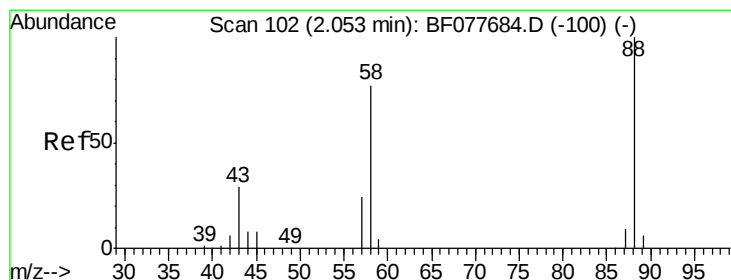
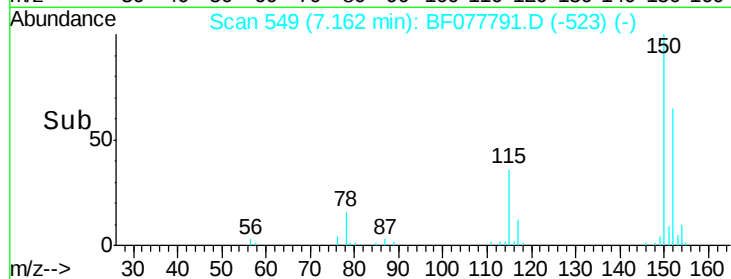
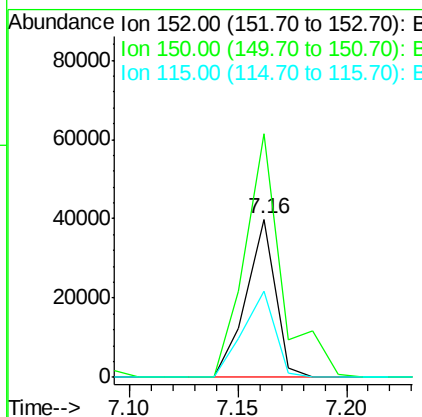
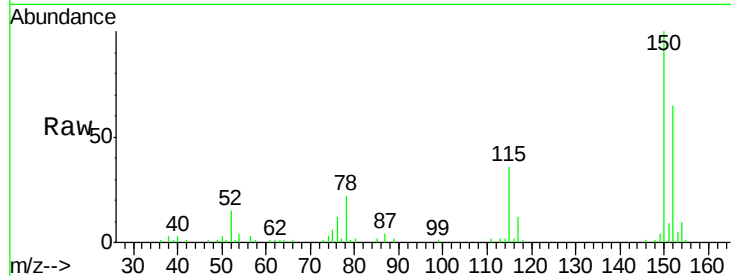
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.16 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 119.5 | 179.3 |
| 115     | 54.8  | 43.0  | 64.4  |

Manual Integrations  
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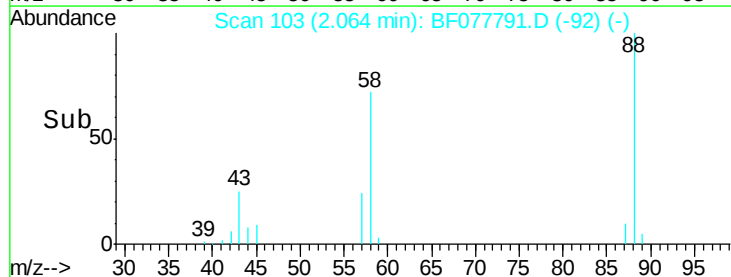
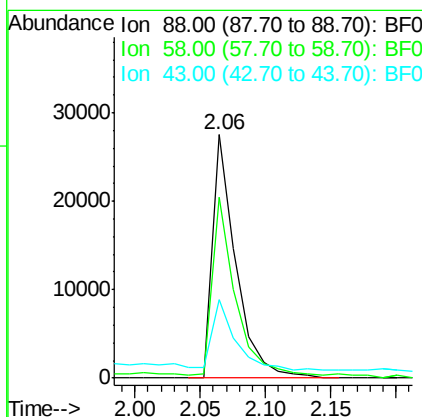
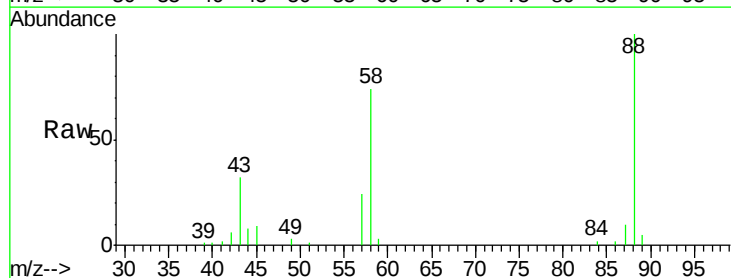
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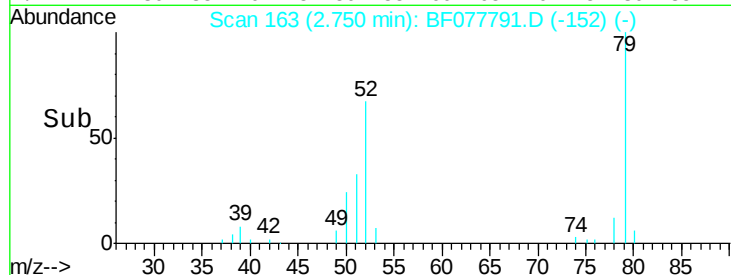
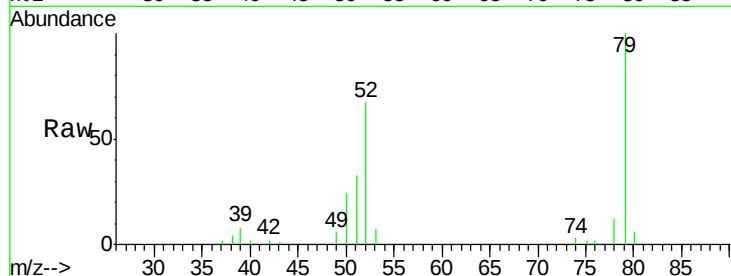
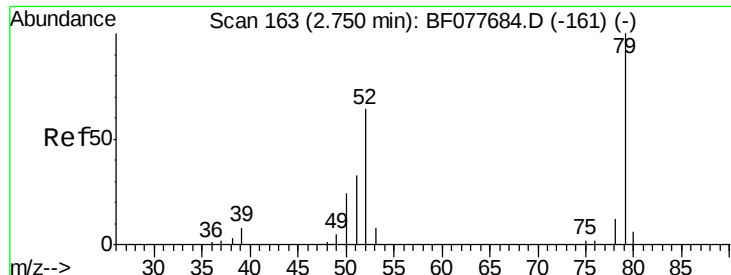


#2

1,4-Dioxane  
Concen: 35.45 ng  
RT: 2.06 min Scan# 103  
Delta R.T. 0.02 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.8  | 0.0   | 0.0#  |
| 43      | 28.7  | 0.0   | 0.0#  |





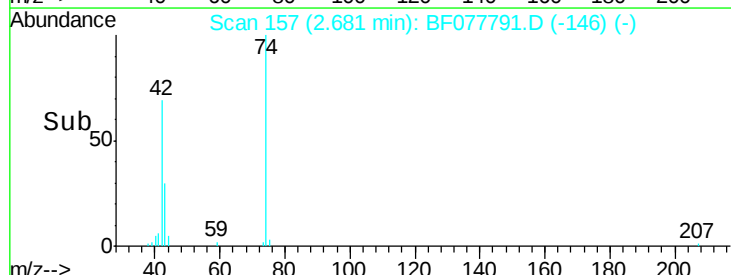
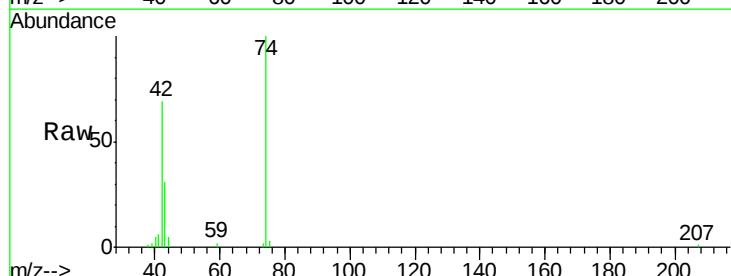
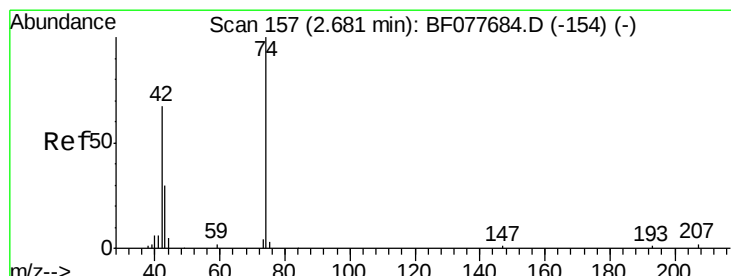
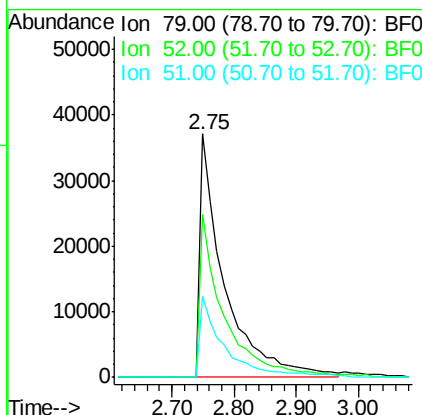
#3  
 Pvridine  
 Concen: 38.56 ng  
 RT: 2.75 min Scan# 163  
 Delta R.T. 0.02 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 101062 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 66.8  | 51.1  | 76.7   |
| 51        | 33.4  | 26.1  | 39.1   |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

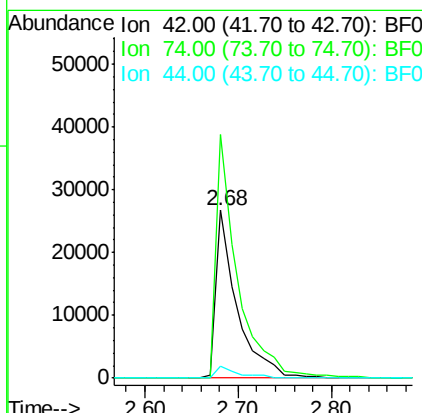
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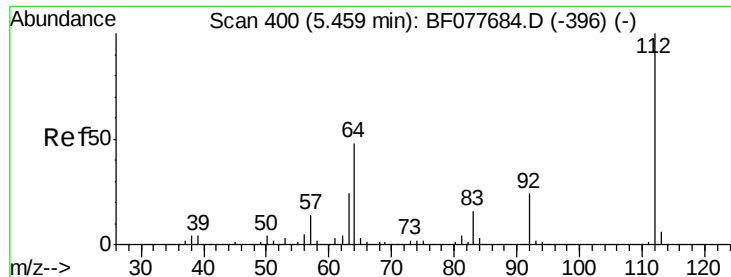
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#4  
 n-Nitrosodimethylamine  
 Concen: 36.52 ng  
 RT: 2.68 min Scan# 157  
 Delta R.T. 0.02 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 41681 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 145.3 | 119.3 | 178.9 |
| 44        | 7.2   | 5.4   | 8.2   |





#5

2-Fluorophenol

Concen: 89.96 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

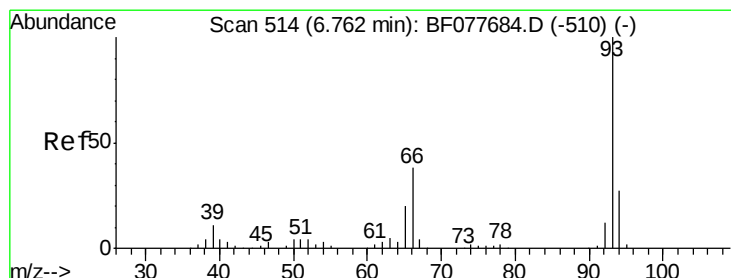
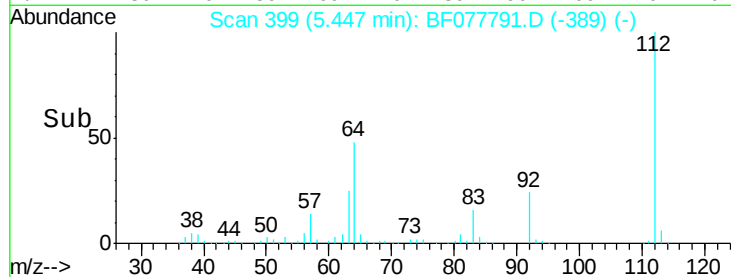
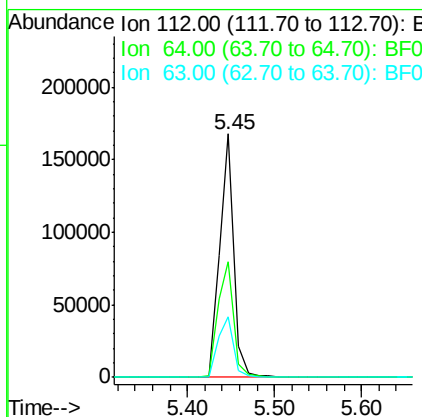
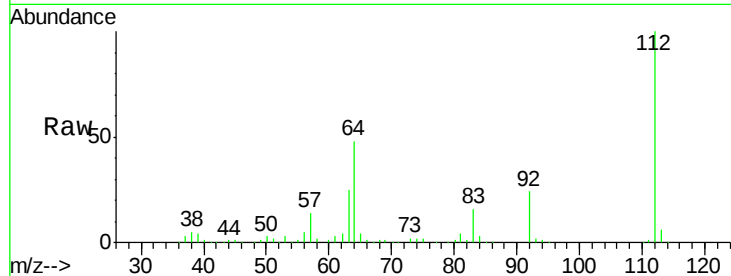
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 193261 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 47.7  | 38.6  | 57.8   |
| 63        | 24.8  | 19.3  | 28.9   |

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#6

Aniline

Concen: 21.40 ng

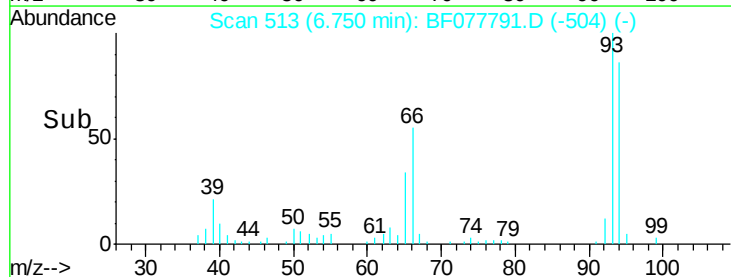
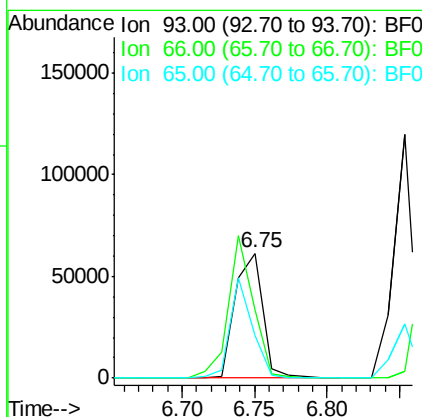
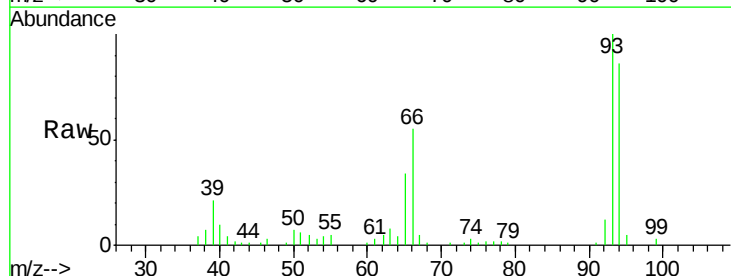
RT: 6.75 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 81248 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 55.1  | 30.8  | 46.2# |
| 65        | 33.9  | 16.0  | 24.0# |





#7

Phenol-d6

Concen: 93.88 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

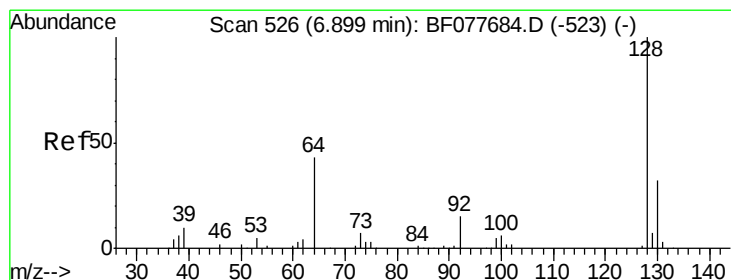
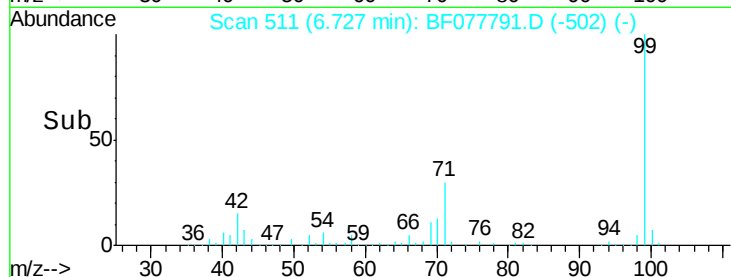
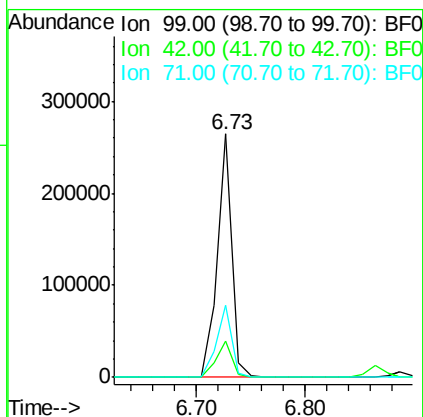
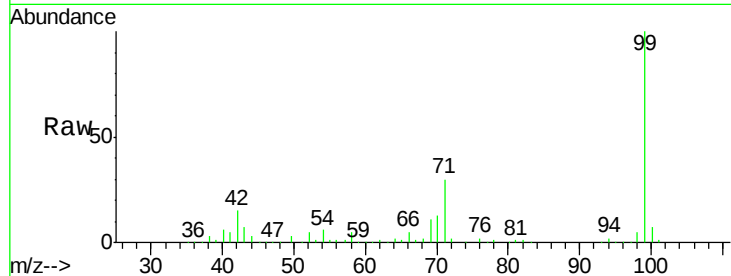
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 249186 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.7  | 11.0  | 16.4   |
| 71        | 29.7  | 23.4  | 35.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 46.13 ng

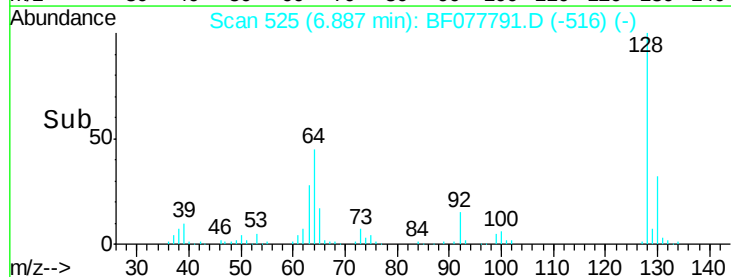
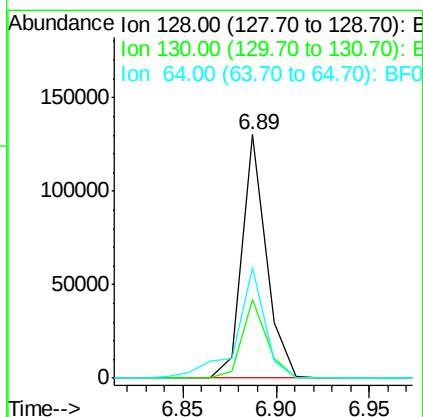
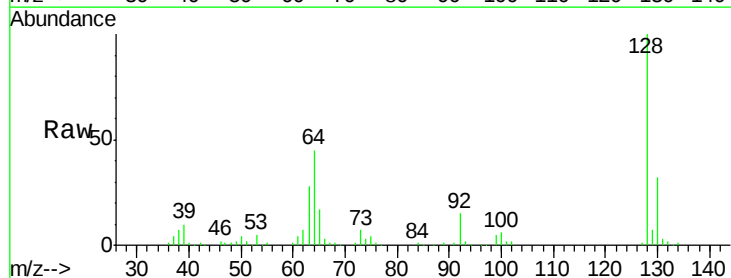
RT: 6.89 min Scan# 525

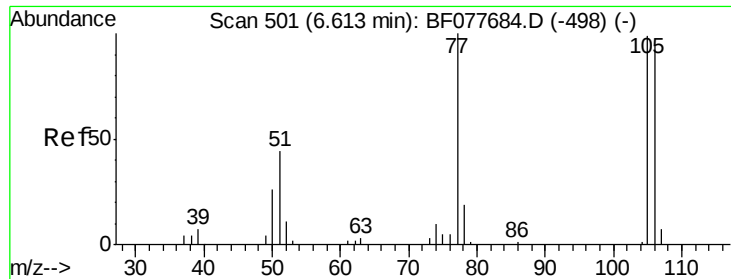
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 117959 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.2  | 12.0  | 52.0   |
| 64        | 45.4  | 24.9  | 64.9   |





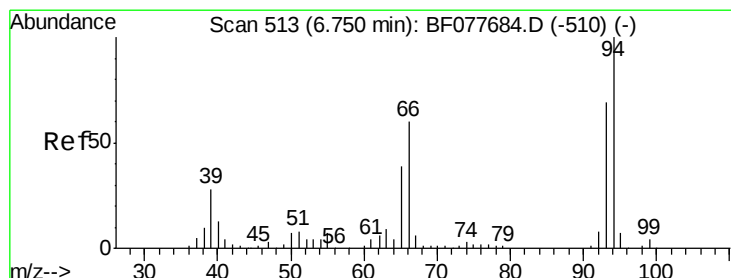
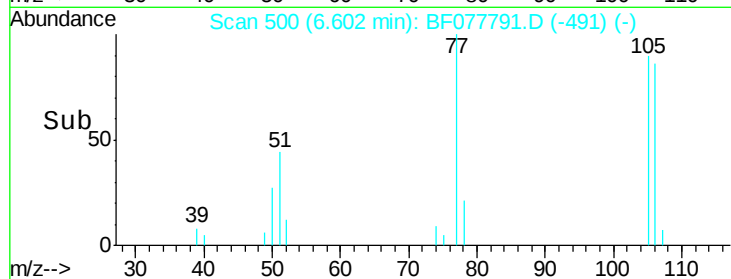
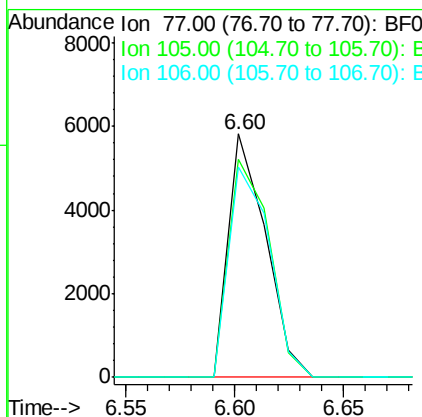
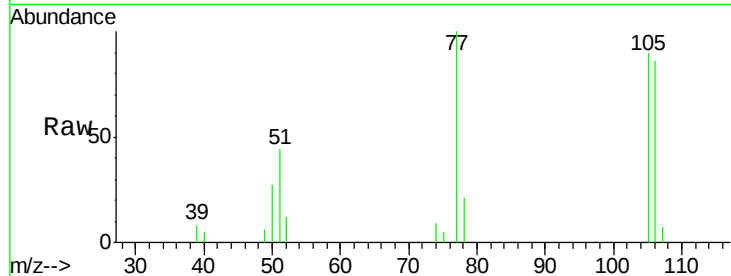
#9  
Benzaldehyde  
Concen: 6.39 ng  
RT: 6.60 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 89.7  | 78.8  | 118.8 |
| 106     | 86.5  | 73.7  | 113.7 |

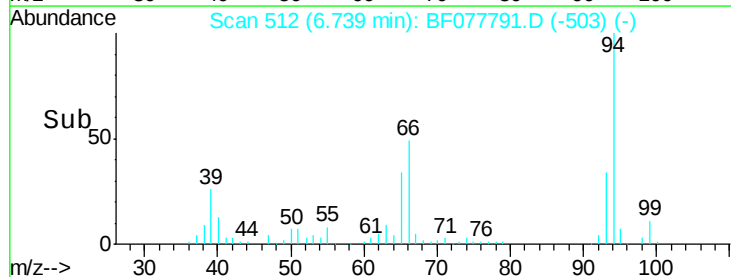
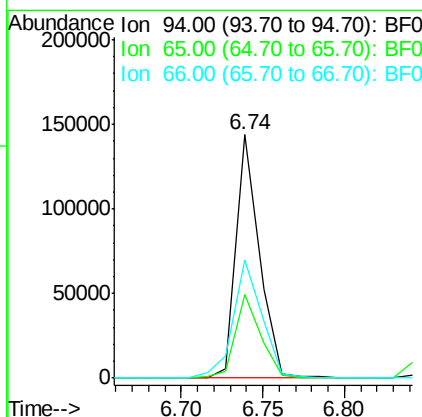
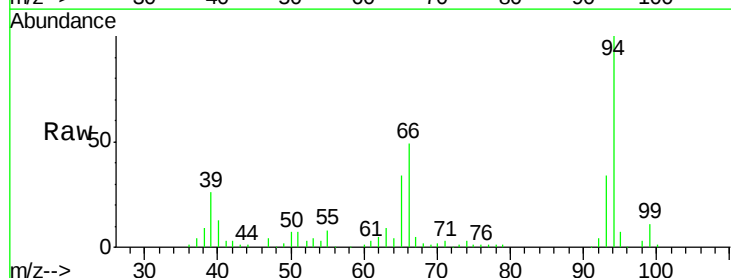
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#10  
Phenol  
Concen: 45.20 ng  
RT: 6.74 min Scan# 512  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 34.2  | 18.8  | 58.8  |
| 66      | 48.7  | 39.9  | 79.9  |





#11

bis(2-Chloroethyl)ether

Concen: 47.11 ng

RT: 6.85 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

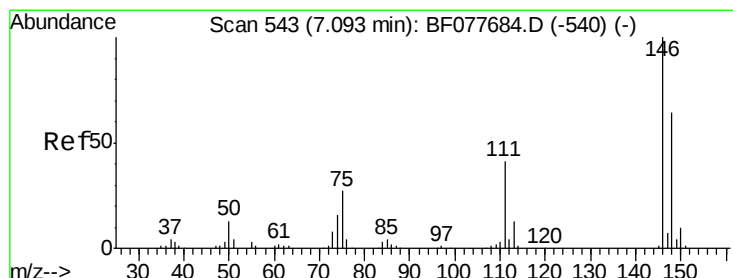
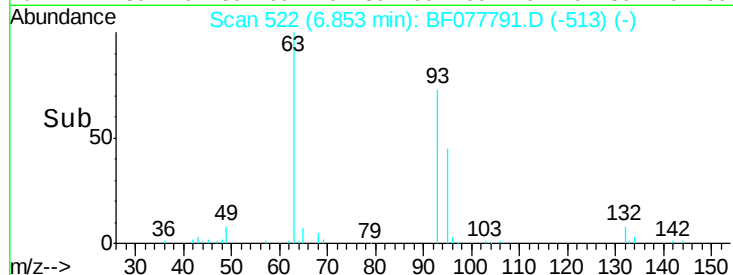
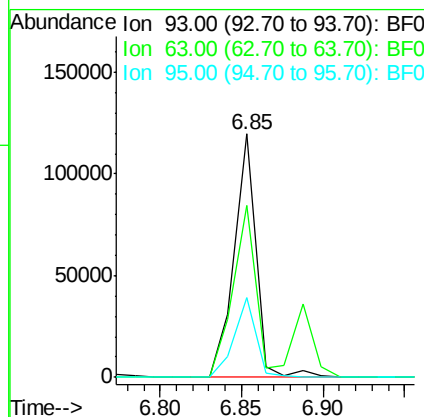
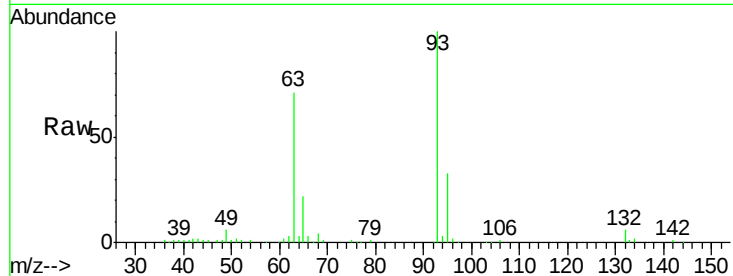
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 110728 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 70.7  | 49.5  | 89.5   |
| 95        | 32.9  | 13.5  | 53.5   |

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#12

1,3-Dichlorobenzene

Concen: 43.71 ng

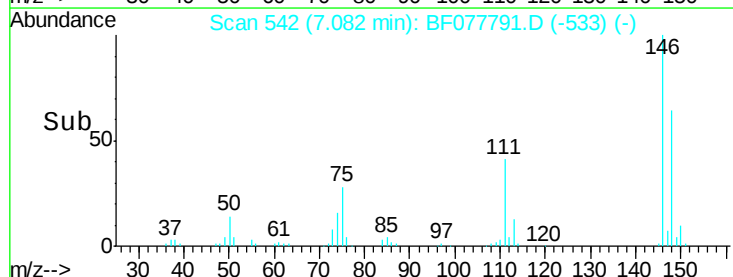
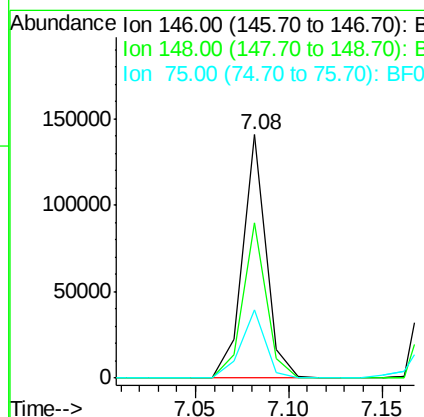
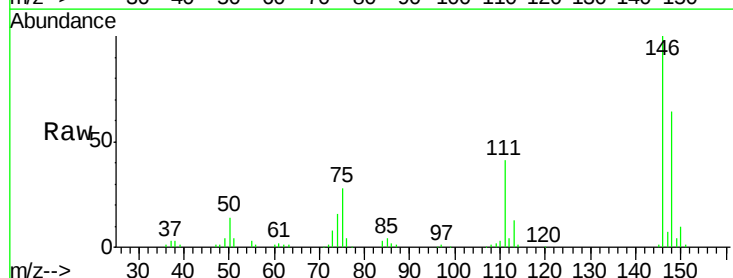
RT: 7.08 min Scan# 542

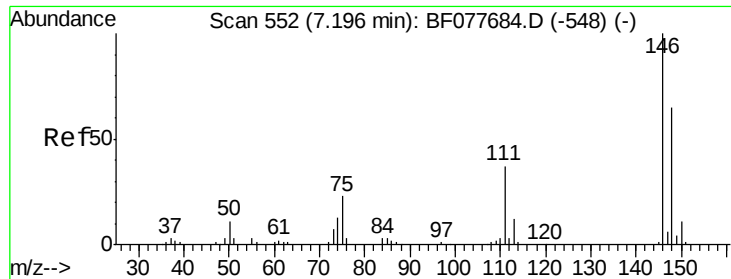
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 124316 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 50.9  | 76.3   |
| 75        | 28.0  | 21.4  | 32.2   |





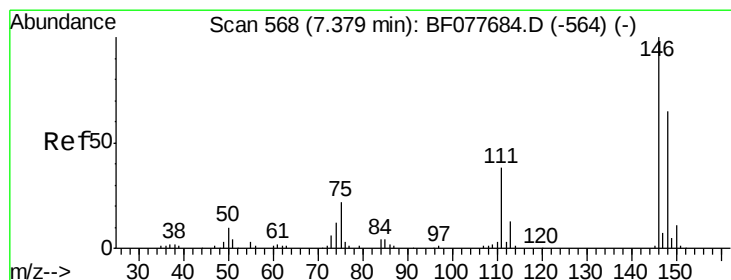
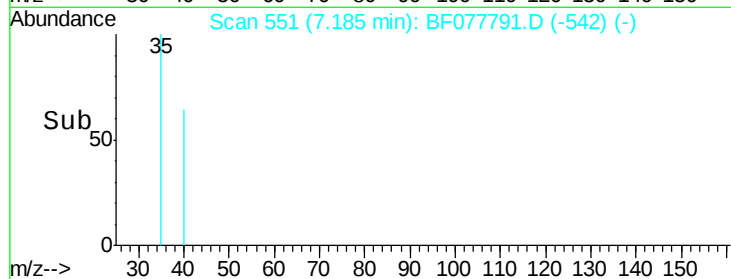
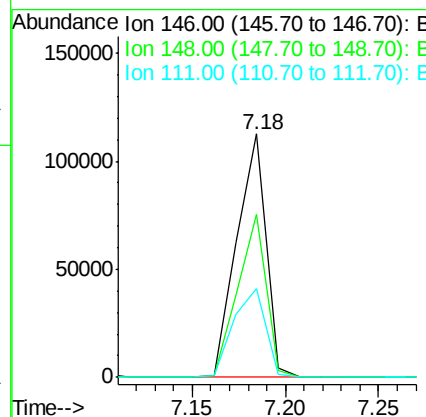
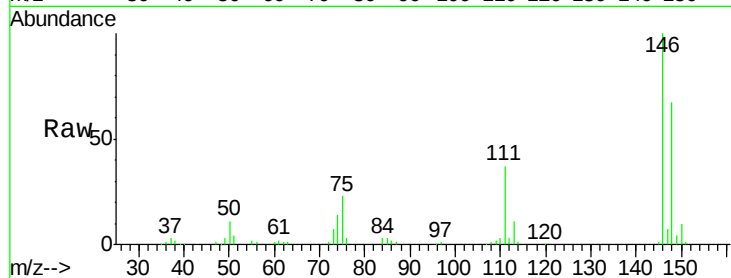
#13  
 1,4-Dichlorobenzene  
 Concen: 41.98 ng  
 RT: 7.18 min Scan# 551  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.8  | 51.9  | 77.9  |
| 111     | 36.6  | 29.2  | 43.8  |

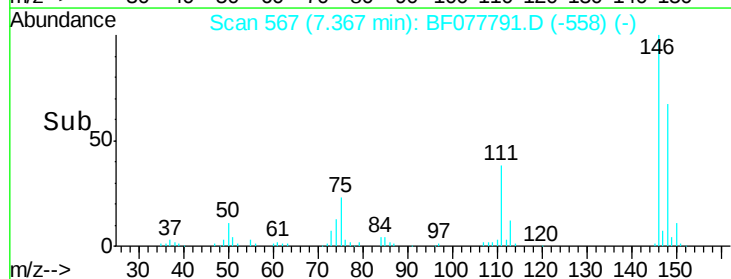
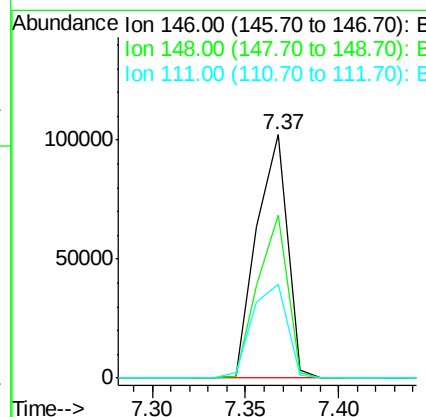
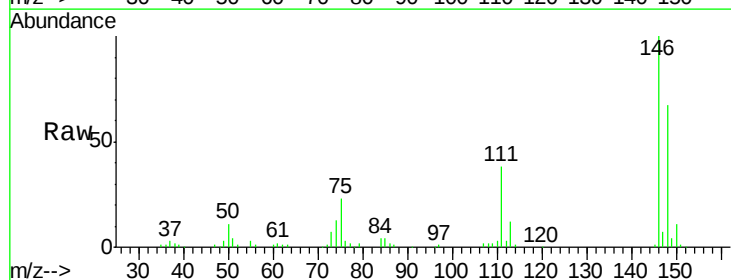
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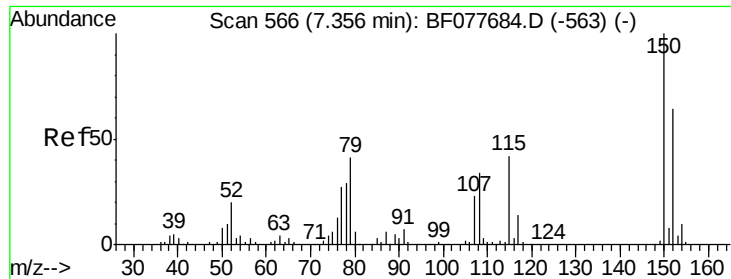
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 43.06 ng  
 RT: 7.37 min Scan# 567  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.1  | 52.3  | 78.5  |
| 111     | 38.4  | 30.6  | 45.8  |





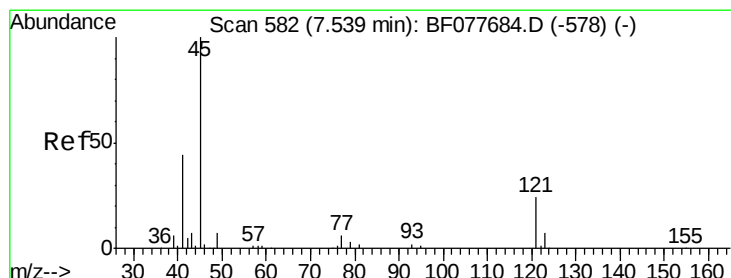
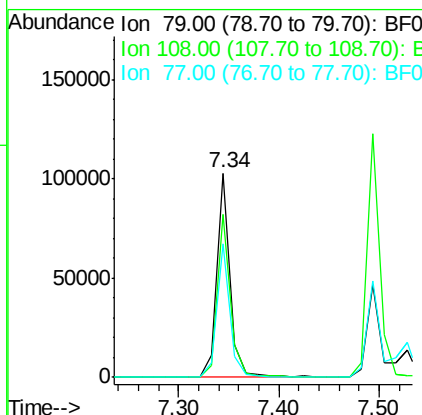
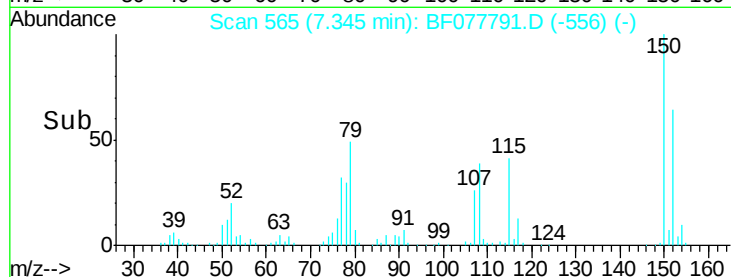
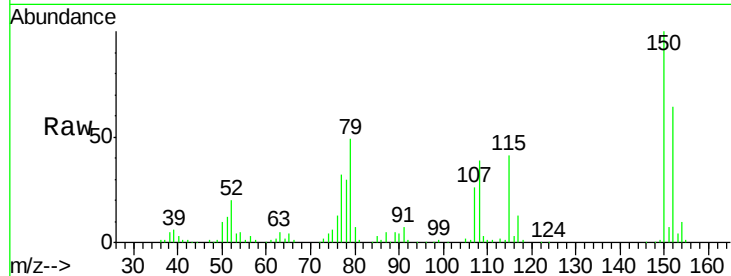
#15  
Benzyl Alcohol  
Concen: 45.18 ng  
RT: 7.34 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampled :  
PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.0  | 65.0  | 97.4  |
| 77      | 65.2  | 53.0  | 79.6  |

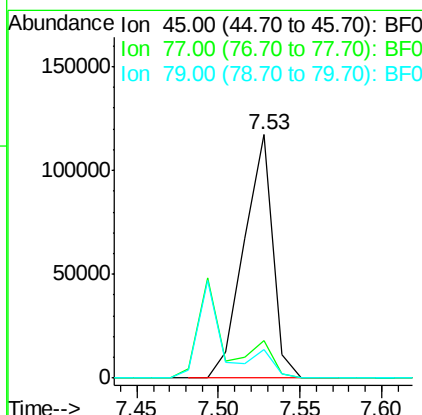
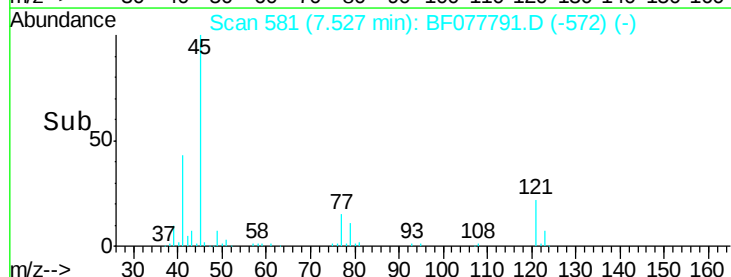
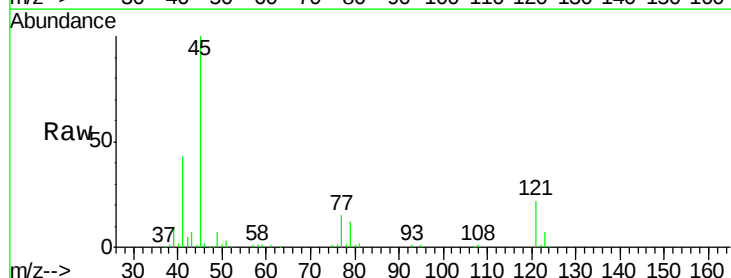
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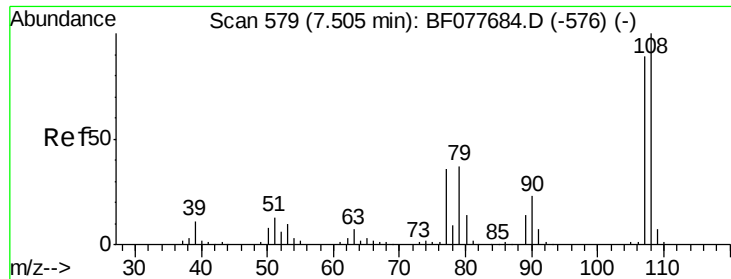
mohammad  
3/20/2015 1:47:50 PM



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 45.18 ng  
RT: 7.53 min Scan# 581  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.3  | 0.0   | 35.2  |
| 79      | 11.8  | 0.0   | 32.0  |





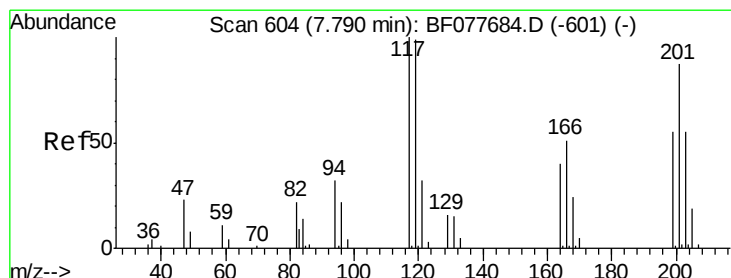
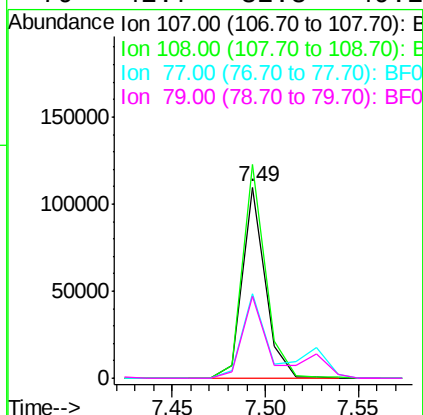
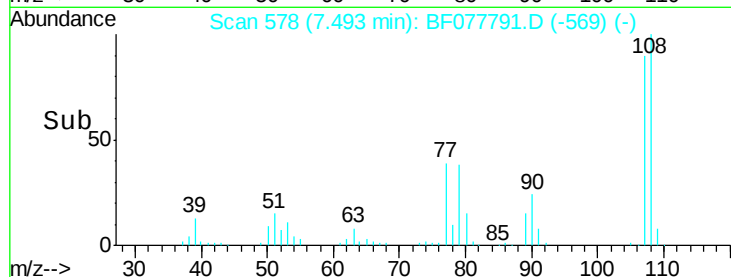
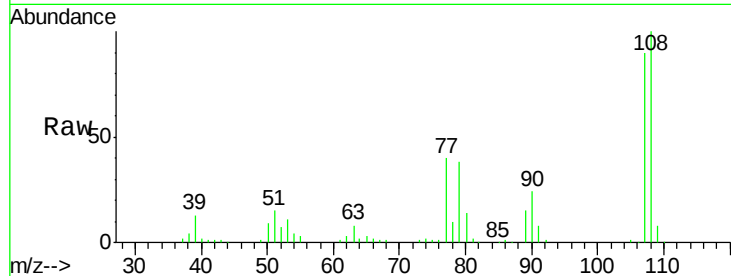
#17  
2-Methylphenol  
Concen: 45.36 ng  
RT: 7.49 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 94437 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 111.7 | 89.8  | 134.8 |
| 77        | 44.2  | 32.6  | 48.8  |
| 79        | 42.7  | 32.8  | 49.2  |

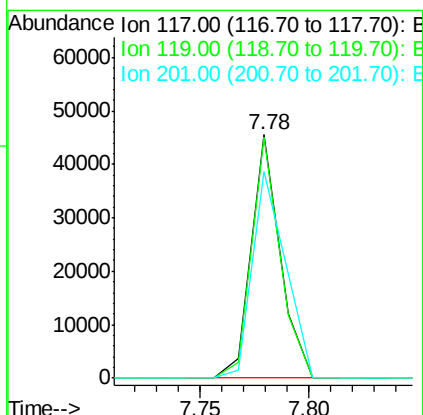
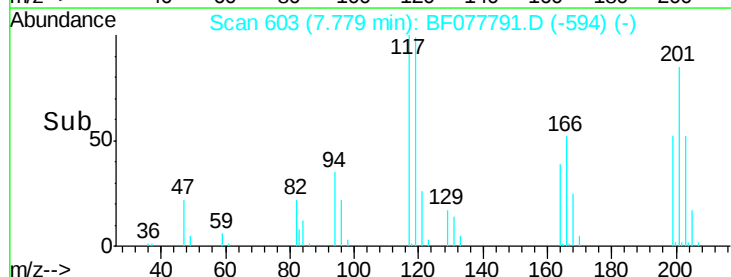
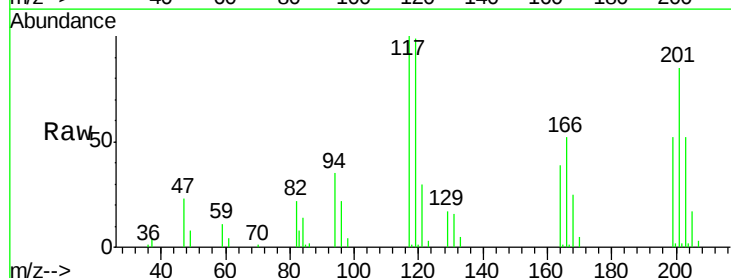
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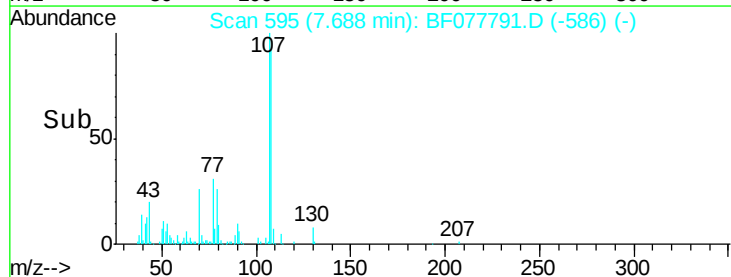
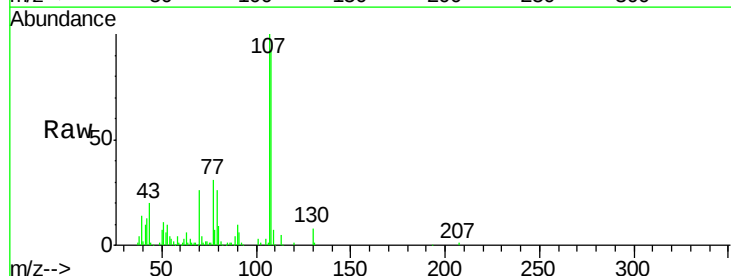
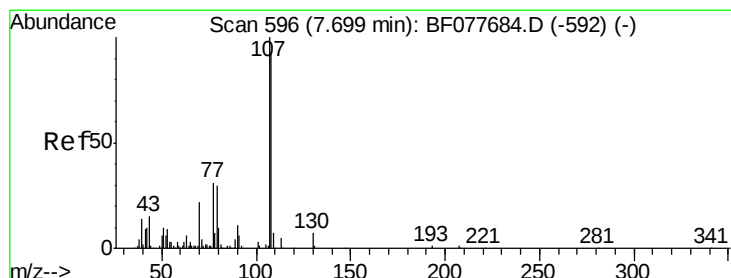
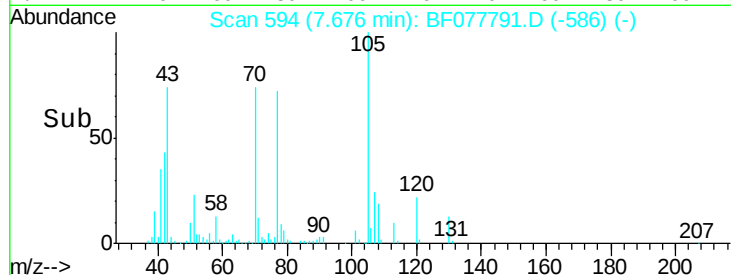
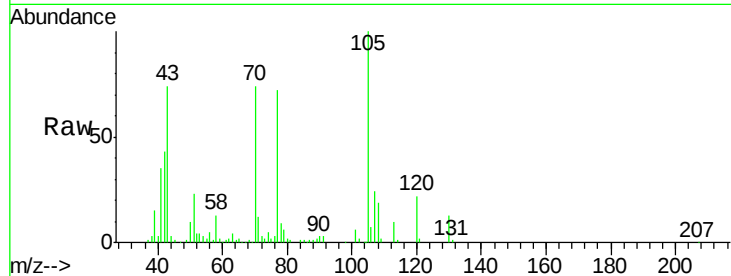
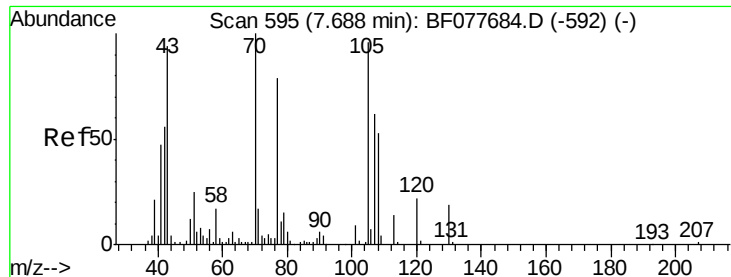
mohammad  
3/20/2015 1:47:50 PM



#18  
Hexachloroethane  
Concen: 43.22 ng  
RT: 7.78 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 41893 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 99.0  | 79.2  | 118.8 |
| 201       | 85.0  | 69.8  | 104.6 |

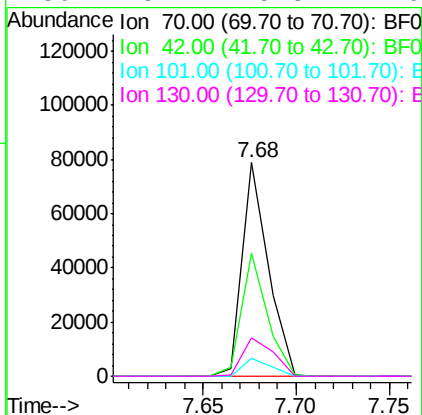




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.99 ng  
RT: 7.68 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 77112   | 70  | 100   |       |       |
|         | 42  | 57.7  | 44.5  | 66.7  |
|         | 101 | 8.4   | 7.4   | 11.2  |
|         | 130 | 18.1  | 15.3  | 22.9  |

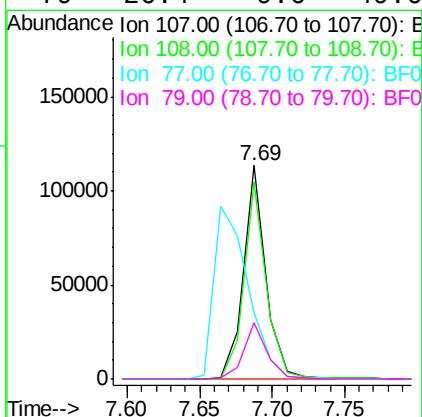


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#20  
3+4-Methylphenols  
Concen: 44.58 ng  
RT: 7.69 min Scan# 595  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 121795  | 107 | 100   |       |       |
|         | 108 | 92.4  | 73.2  | 113.2 |
|         | 77  | 31.4  | 10.7  | 50.7  |
|         | 79  | 26.4  | 9.6   | 49.6  |





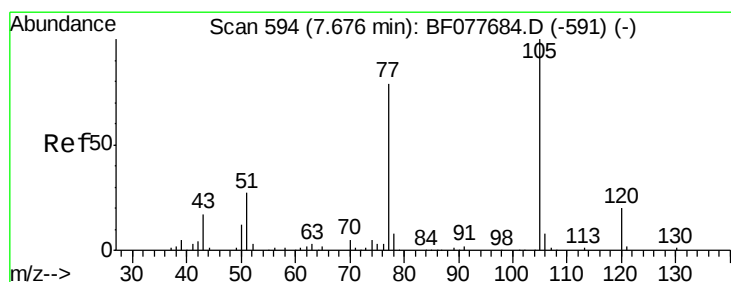
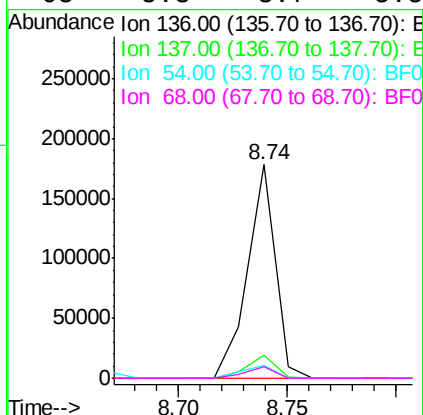
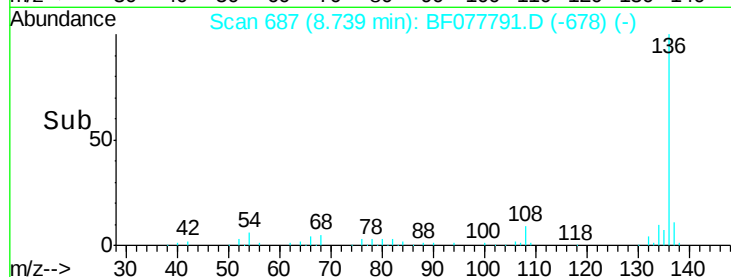
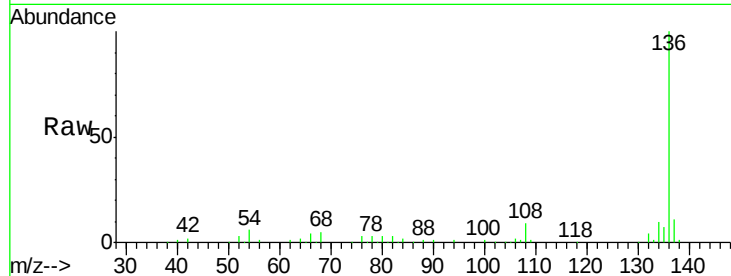
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.74 min Scan# 687  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 10.5 |       | 8.7  | 13.1  |       |
| 54      | 5.8  |       | 4.6  | 6.8   |       |
| 68      | 5.3  |       | 3.7  | 5.5   |       |

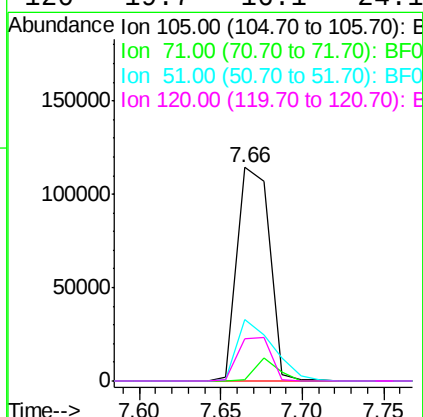
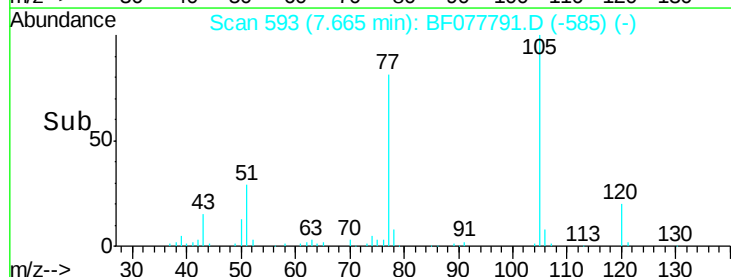
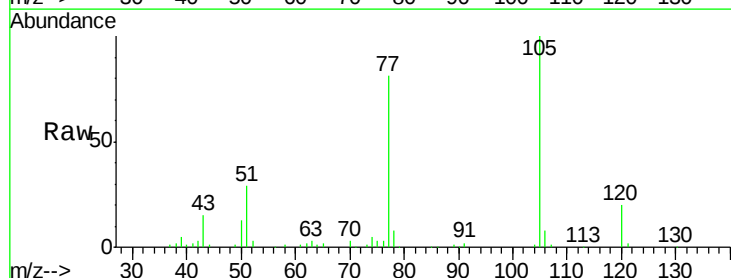
Manual Integrations  
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#22  
Acetophenone  
Concen: 44.60 ng  
RT: 7.66 min Scan# 593  
Delta R.T. -0.01 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 105     | 100  |       |      |       |       |
| 71      | 0.4  |       | 0.6  | 1.0#  |       |
| 51      | 28.7 |       | 21.6 | 32.4  |       |
| 120     | 19.7 |       | 16.1 | 24.1  |       |





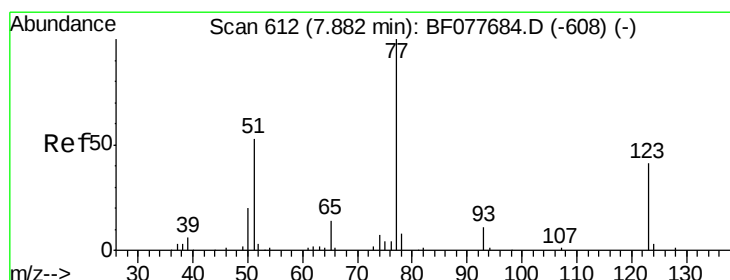
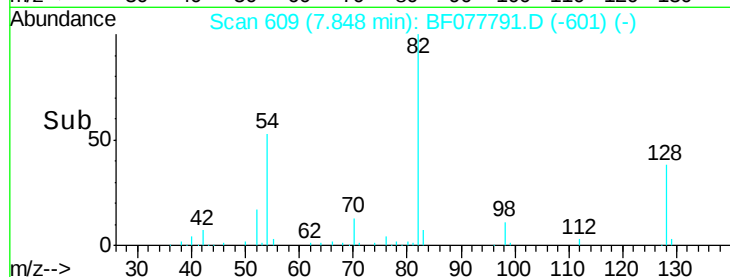
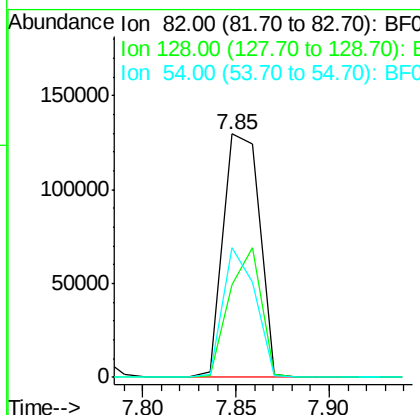
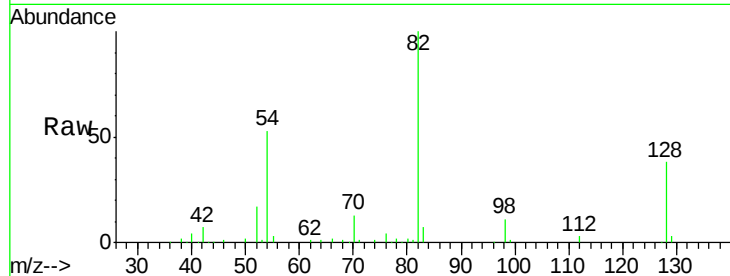
#23  
Nitrobenzene-d5  
Concen: 73.49 ng  
RT: 7.85 min Scan# 609  
Delta R.T. -0.01 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 177488 |       |       |
| 128     | 37.8  | 32.8   | 49.2  |       |
| 54      | 53.1  | 40.6   | 60.8  |       |

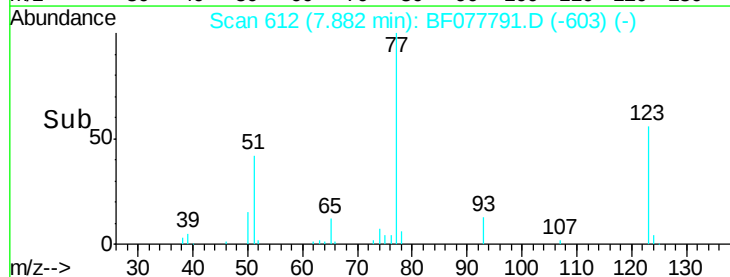
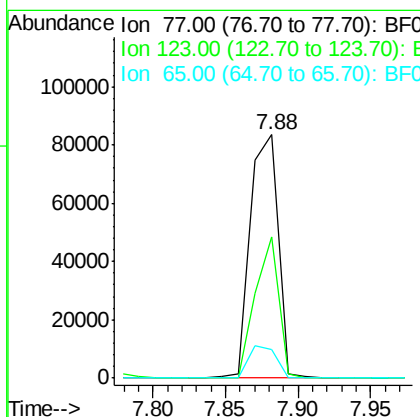
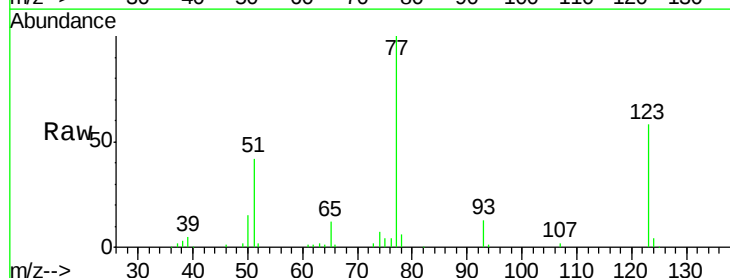
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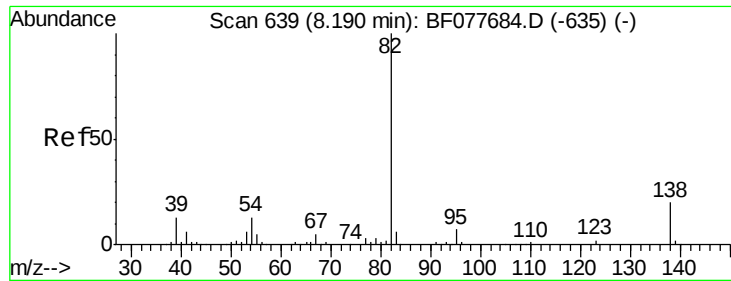
mohammad  
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#24  
Nitrobenzene  
Concen: 42.91 ng  
RT: 7.88 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 111659 |       |       |
| 123     | 57.8  | 32.6   | 49.0# |       |
| 65      | 12.0  | 10.9   | 16.3  |       |





#25

Isophorone

Concen: 43.01 ng

RT: 8.18 min Scan# 638

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

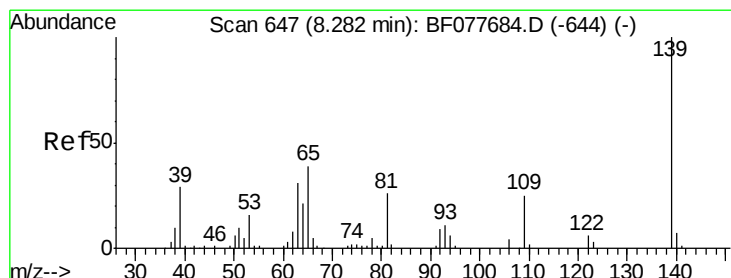
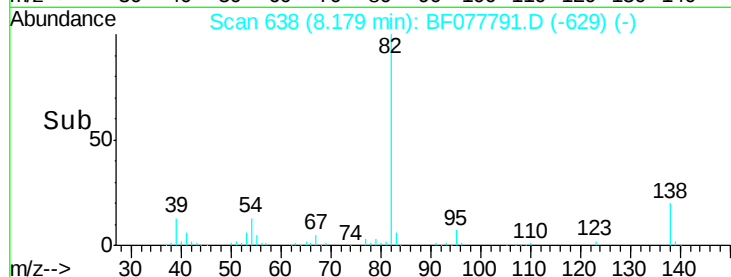
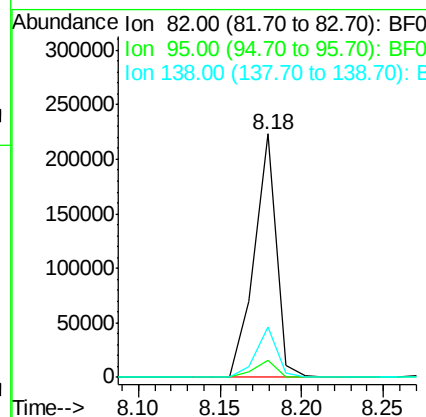
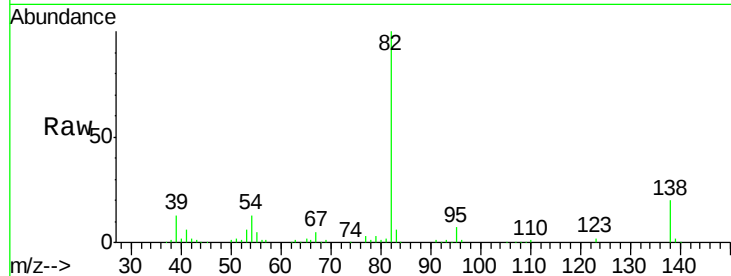
ClientSampleId :

PB82134BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 209777 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 7.3  | 5.8   | 8.6    |
| 138       | 20.5 | 16.3  | 24.5   |

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#26

2-Nitrophenol

Concen: 44.92 ng

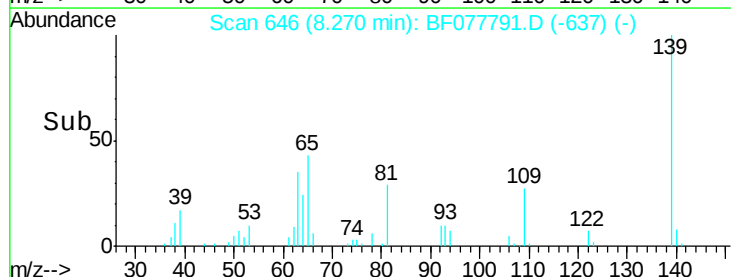
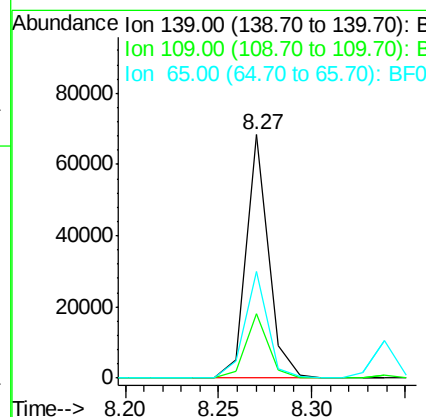
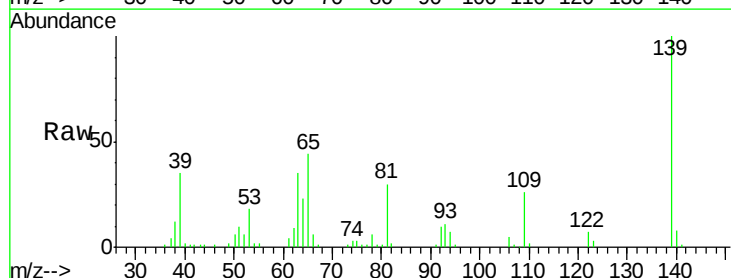
RT: 8.27 min Scan# 646

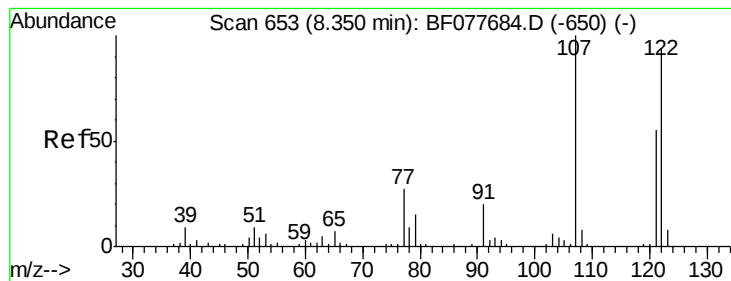
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 57217 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 26.4 | 20.1  | 30.1  |
| 65        | 44.0 | 31.5  | 47.3  |





#27

2,4-Dimethylphenol

Concen: 47.50 ng

RT: 8.34 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

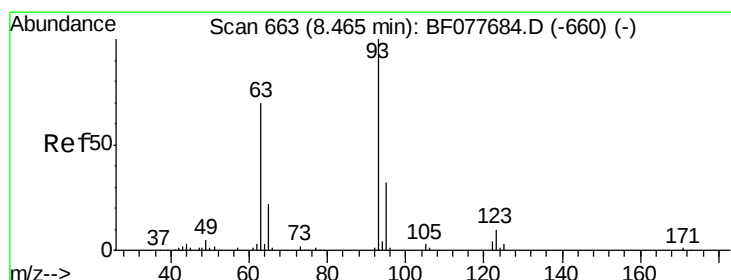
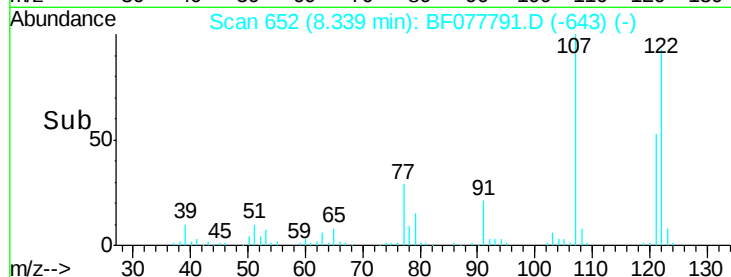
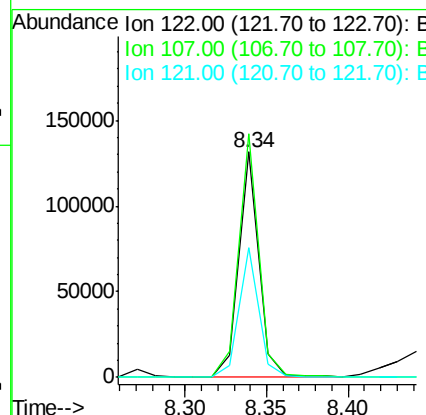
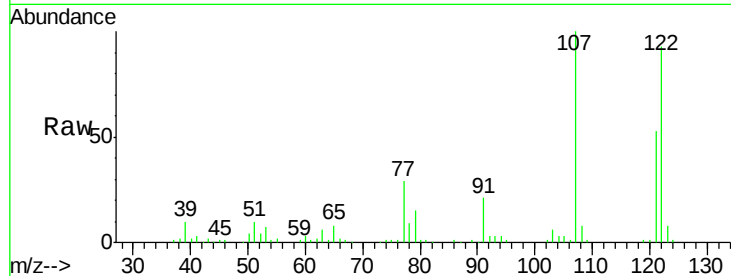
ClientSampleId :

PB82134BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 110232 |       |       |
| 107     | 108.0 | 84.7   | 127.1 |       |
| 121     | 57.5  | 46.6   | 69.8  |       |

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#28

bis(2-Chloroethoxy)methane

Concen: 44.78 ng

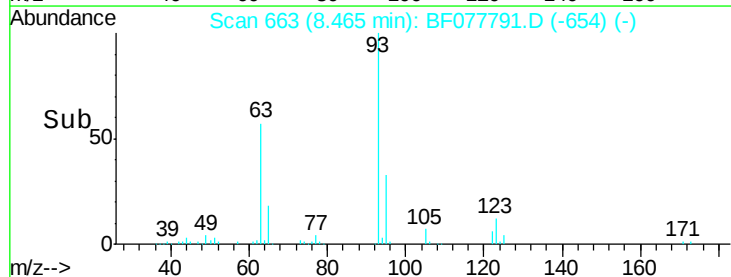
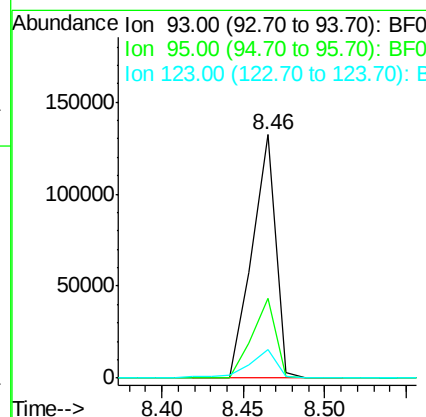
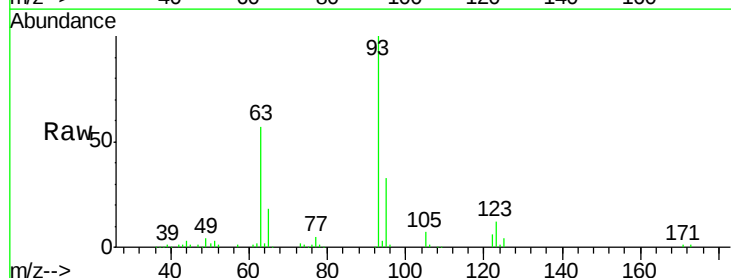
RT: 8.46 min Scan# 663

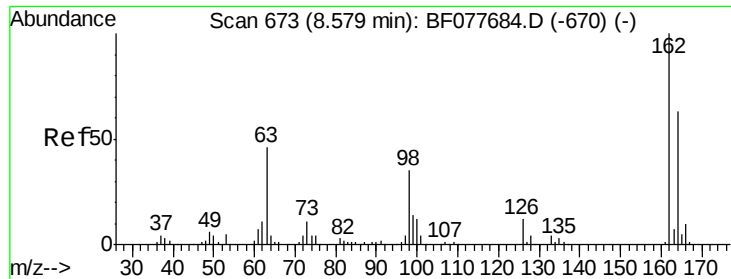
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 132560 |       |       |
| 95      | 32.5  | 25.5   | 38.3  |       |
| 123     | 11.8  | 8.6    | 13.0  |       |





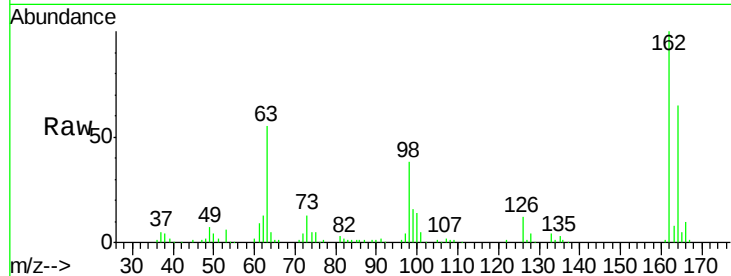
#29  
 2,4-Dichlorophenol  
 Concen: 45.25 ng  
 RT: 8.57 min Scan# 672  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

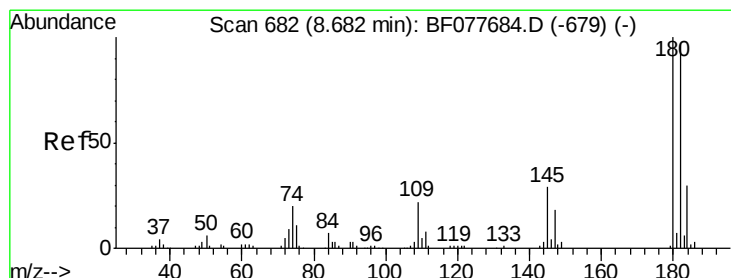
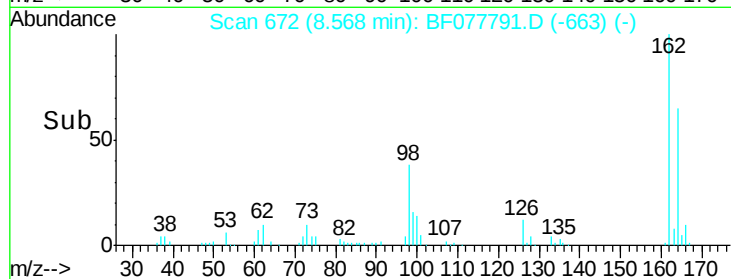
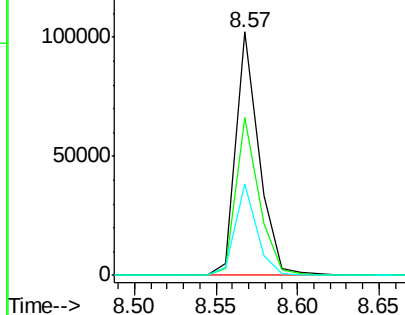
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 100100 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.8  | 42.8  | 82.8   |
| 98        | 37.6  | 14.5  | 54.5   |

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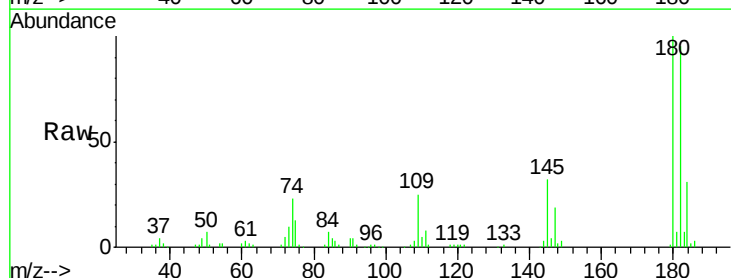


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

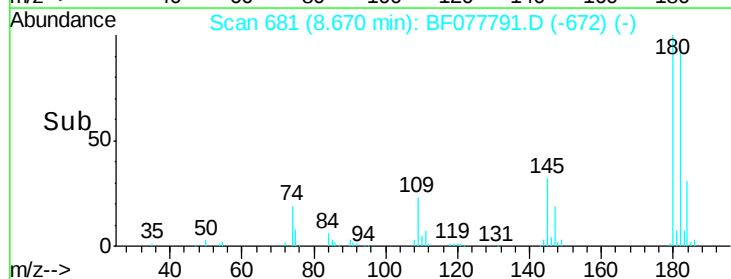
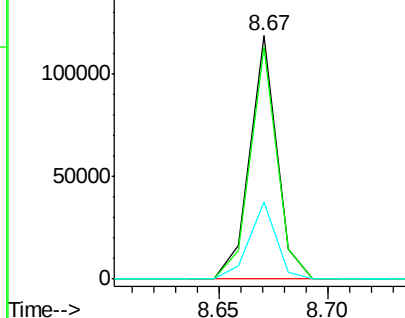


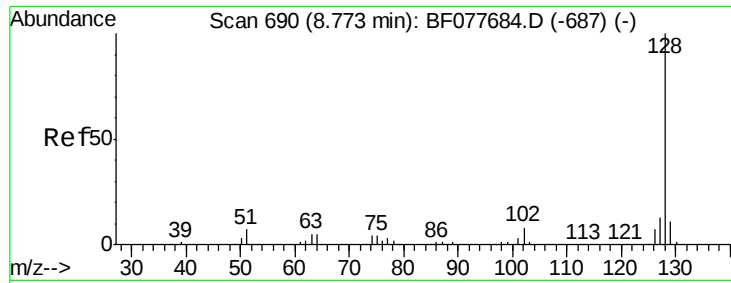
#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.46 ng  
 RT: 8.67 min Scan# 681  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 102622 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.4  | 77.6  | 116.4  |
| 145       | 31.6  | 23.4  | 35.2   |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





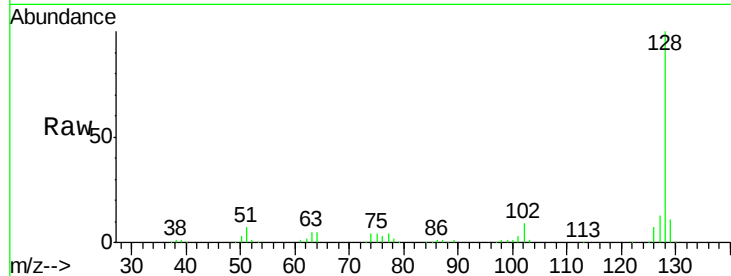
#31  
Naphthalene  
Concen: 42.16 ng  
RT: 8.76 min Scan# 689  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.1  | 8.9  | 13.3  |       |
| 127     | 13.1  | 10.4 | 15.6  |       |

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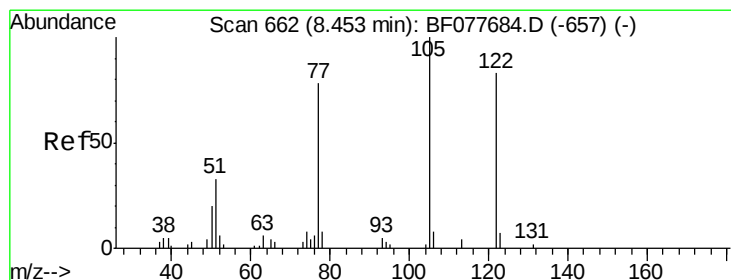
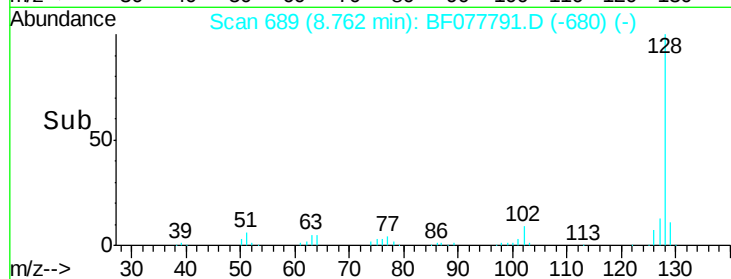
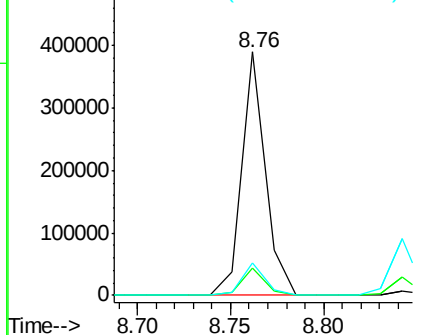


Abundance

Ion 128.00 (127.70 to 128.70): E

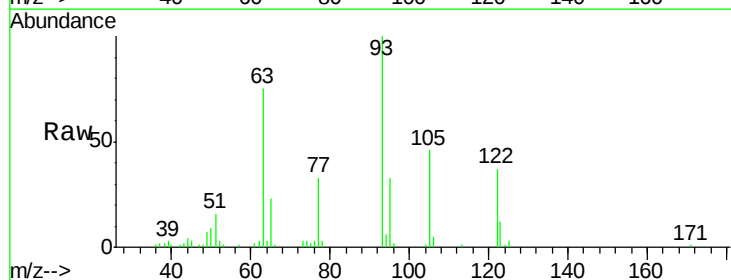
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 38.21 ng  
RT: 8.45 min Scan# 662  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 105     | 122.6 | 99.9 | 139.9 |       |
| 77      | 89.1  | 73.7 | 113.7 |       |

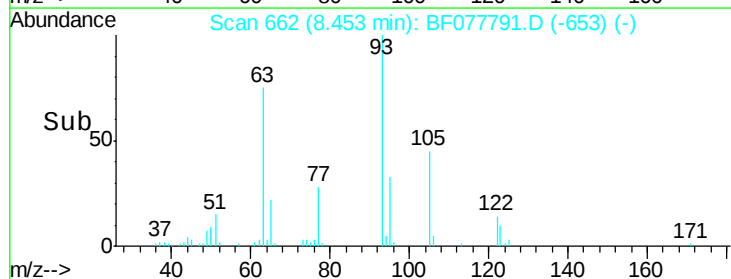
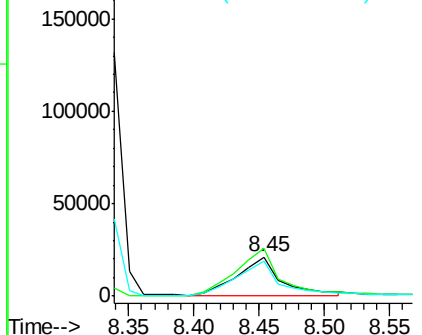


Abundance

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





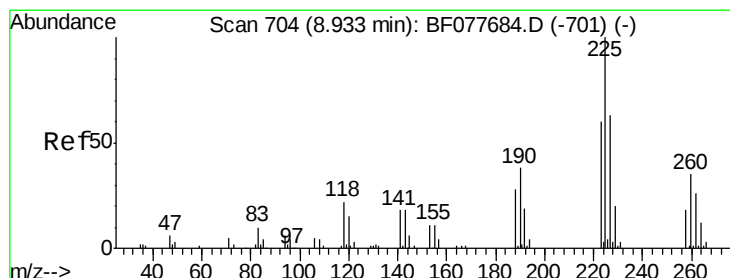
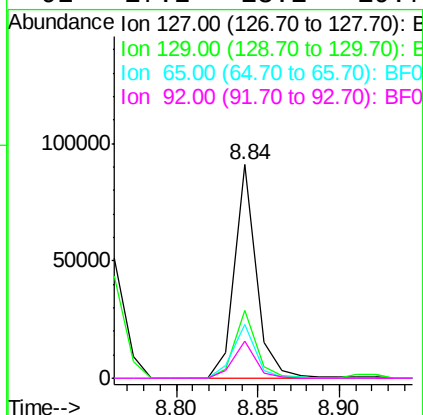
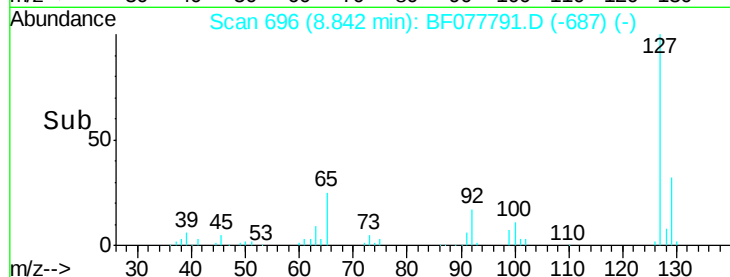
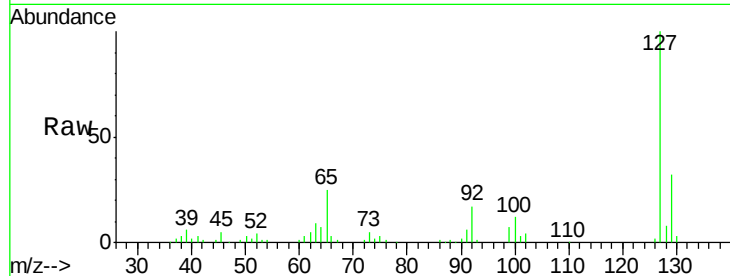
#33  
4-Chloroaniline  
Concen: 25.44 ng  
RT: 8.84 min Scan# 696  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.1 | 25.3  | 37.9 |       |       |
| 65      | 25.3 | 17.6  | 26.4 |       |       |
| 92      | 17.2 | 13.1  | 19.7 |       |       |

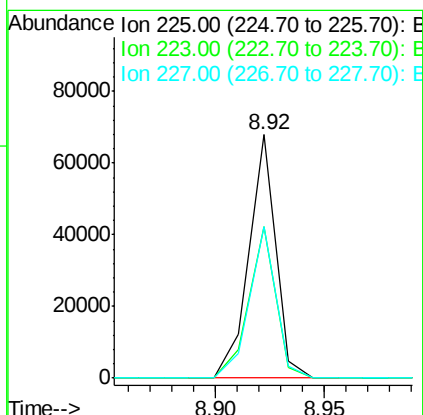
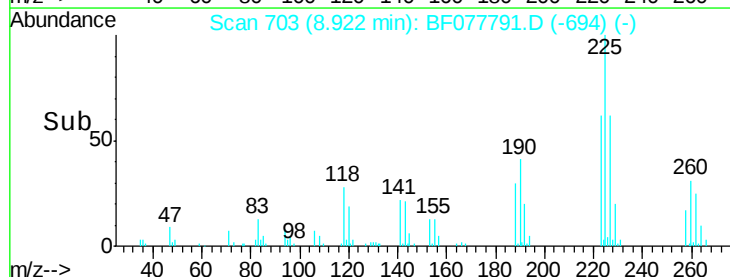
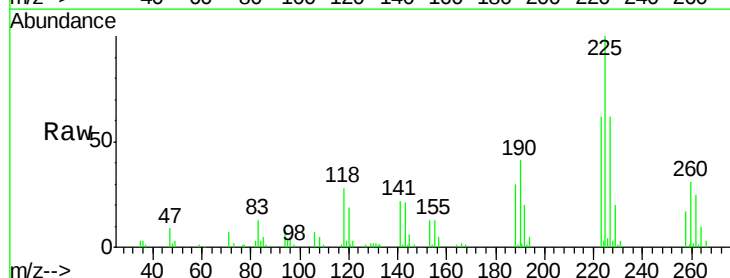
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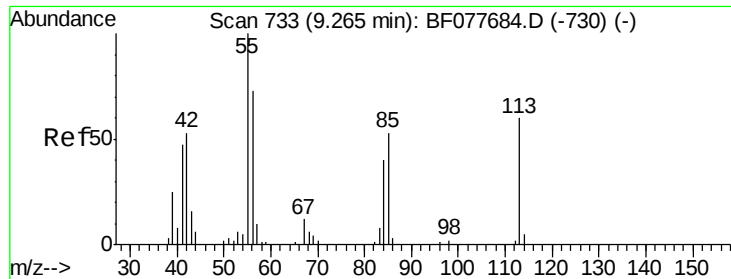
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#34  
Hexachlorobutadiene  
Concen: 41.53 ng  
RT: 8.92 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.0 | 47.9  | 71.9 |       |       |
| 227     | 62.5 | 50.1  | 75.1 |       |       |





#35

Caprolactam

Concen: 46.82 ng

RT: 9.26 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

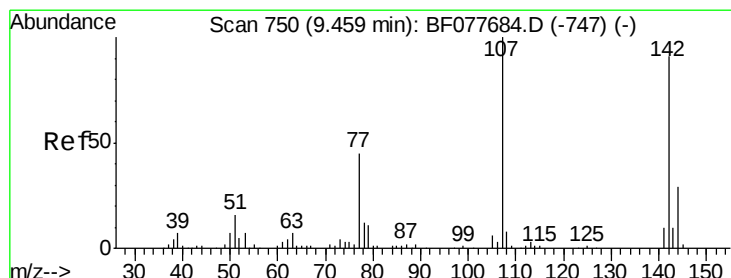
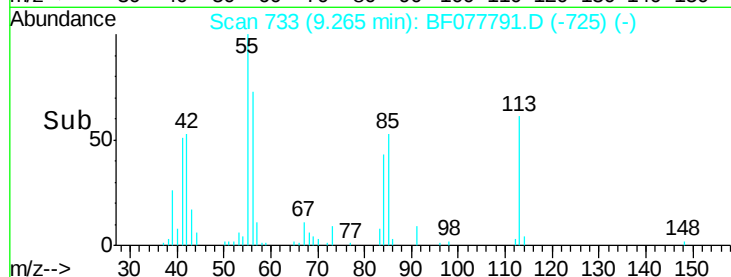
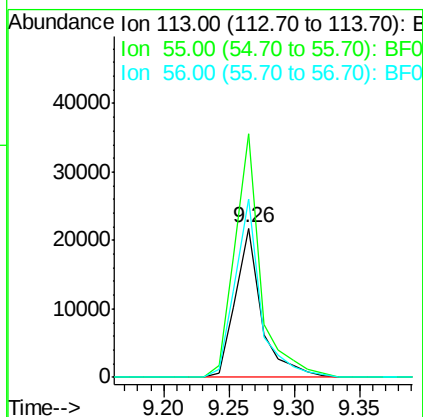
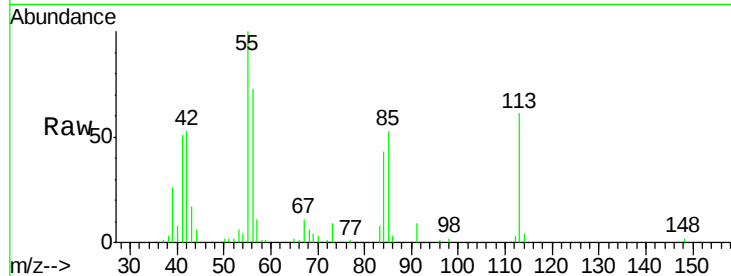
ClientSampleId :

PB82134BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 30271 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 163.4 | 145.9 | 185.9 |
| 56        | 120.0 | 101.0 | 141.0 |

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#36

4-Chloro-3-methylphenol

Concen: 44.14 ng

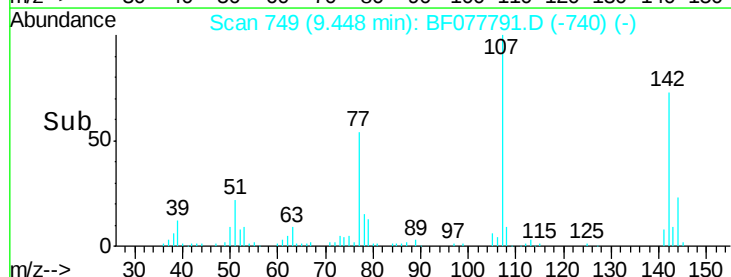
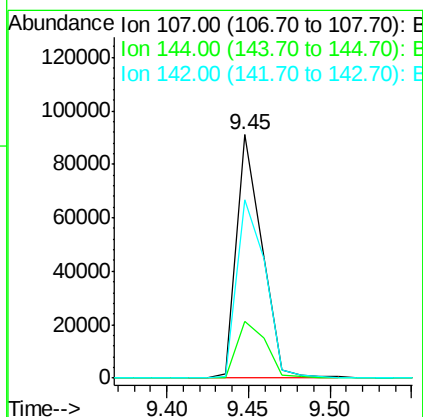
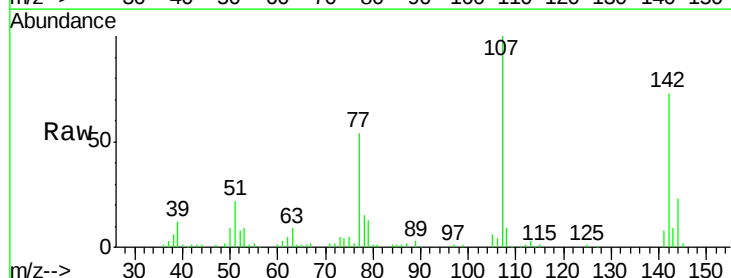
RT: 9.45 min Scan# 749

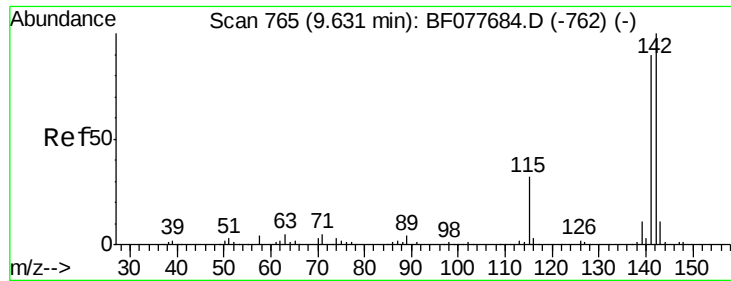
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 98237 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 23.3  | 23.3  | 34.9# |
| 142       | 73.4  | 72.6  | 109.0 |





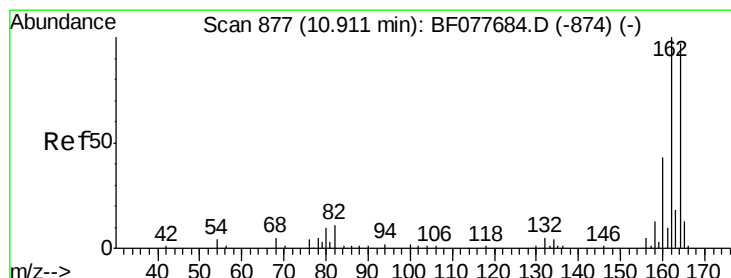
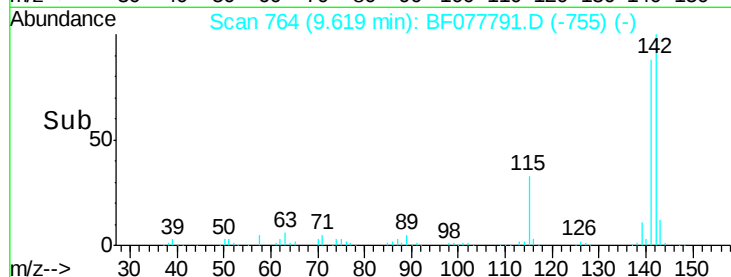
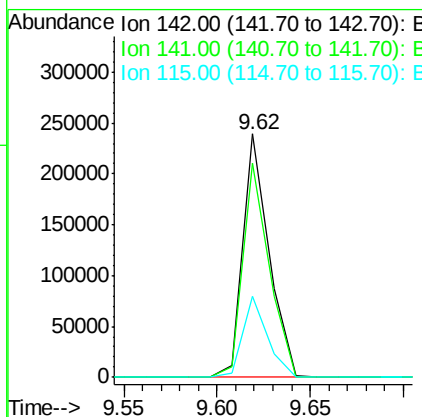
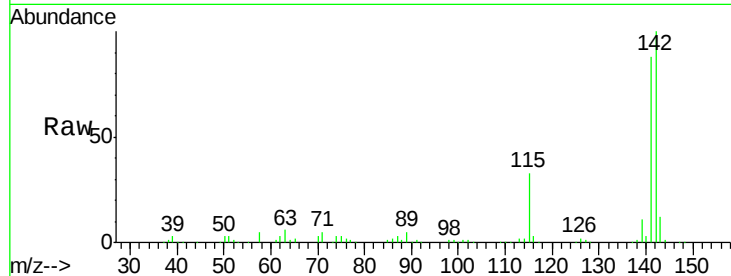
#37  
2-Methylnaphthalene  
Concen: 42.69 ng  
RT: 9.62 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.1  | 71.9  | 107.9 |
| 115     | 33.4  | 25.4  | 38.0  |

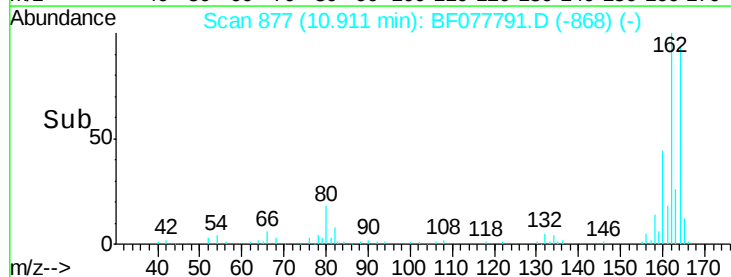
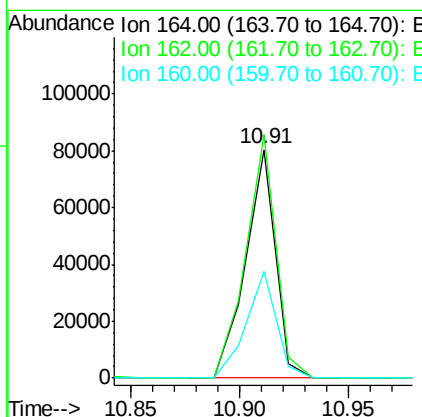
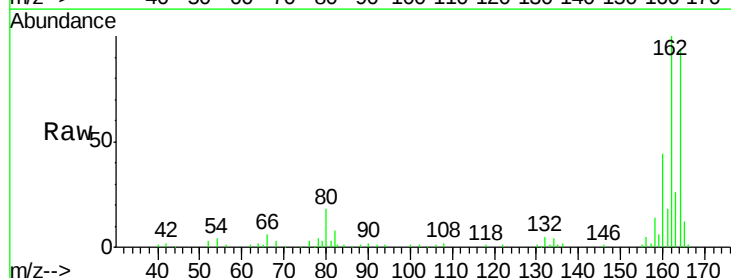
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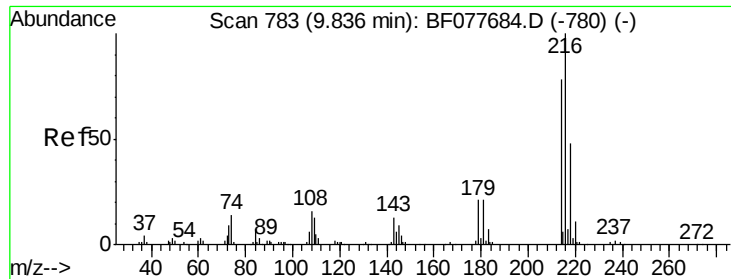
mohammad  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.91 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.5 | 82.4  | 123.6 |
| 160     | 46.8  | 35.8  | 53.6  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.27 ng

RT: 9.82 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

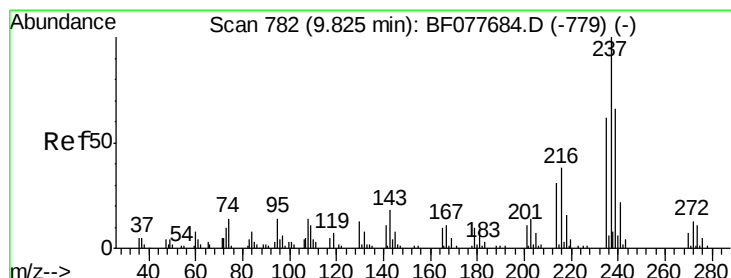
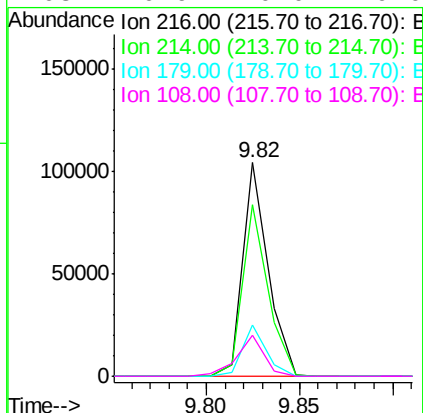
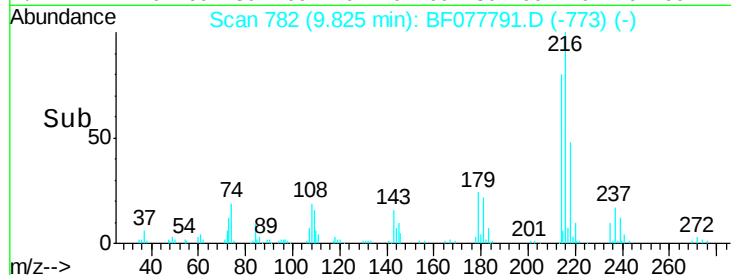
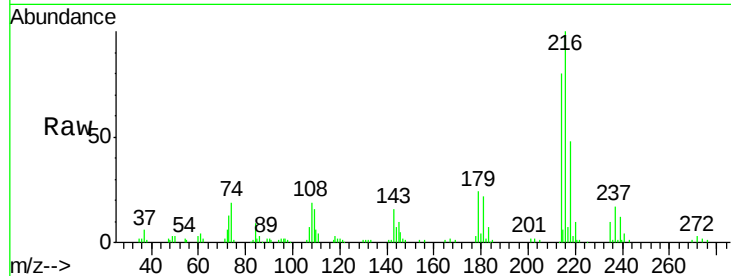
ClientSampleId :

PB82134BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 80.6 |       | 0.0  | 0.0   | 0.0   |
| 179     | 22.5 |       | 0.0  | 0.0   | 0.0   |
| 108     | 20.9 |       | 0.0  | 0.0   | 0.0   |

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#40

Hexachlorocyclopentadiene

Concen: 89.51 ng

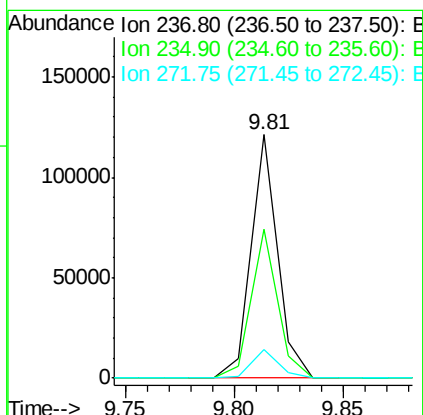
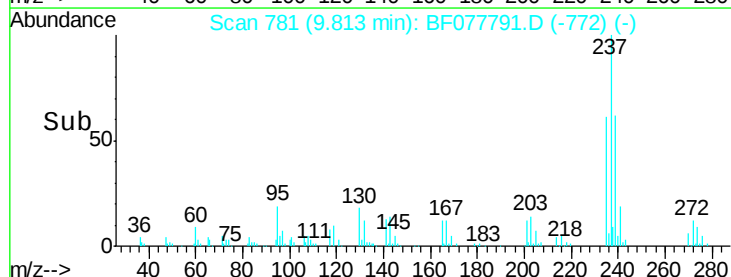
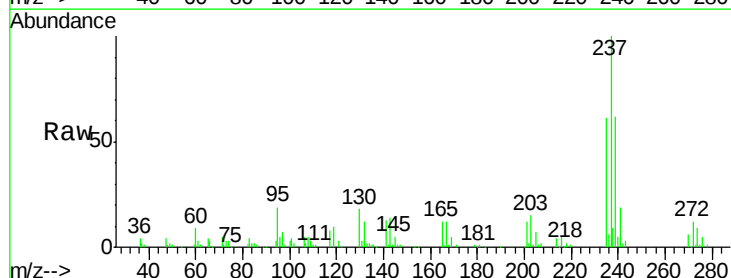
RT: 9.81 min Scan# 781

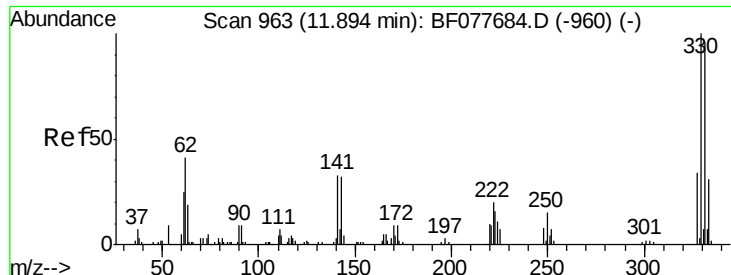
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 61.1 |       | 42.0 | 82.0  |       |
| 272     | 11.9 |       | 0.0  | 33.4  |       |





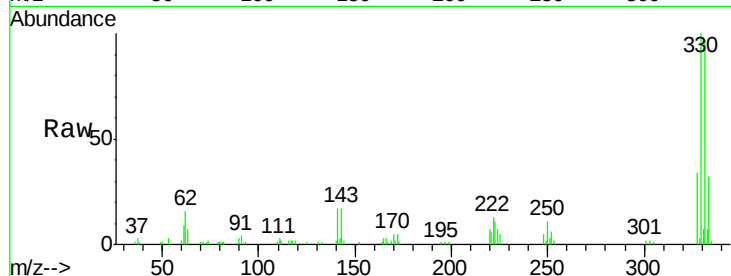
#41  
 2,4,6-Tribromophenol  
 Concen: 81.58 ng  
 RT: 11.89 min Scan# 963  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

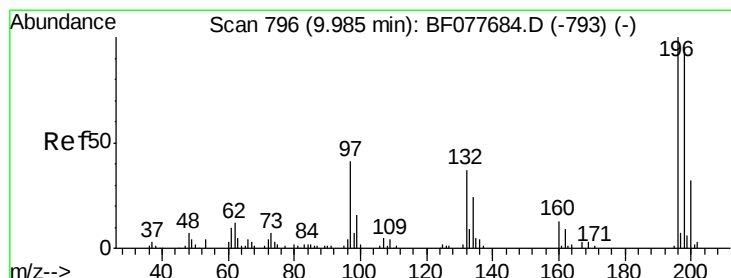
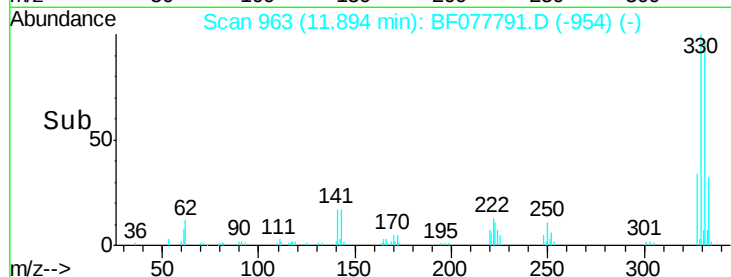
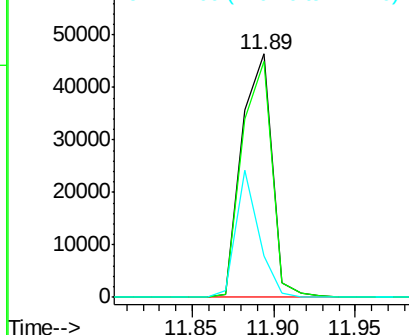
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.8  | 0.0        | 0.0#  |
| 141     | 39.4  | 0.0        | 0.0#  |

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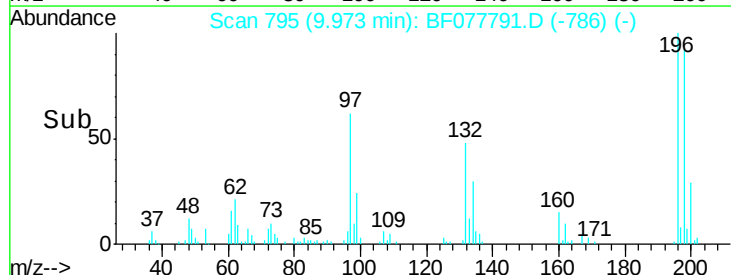
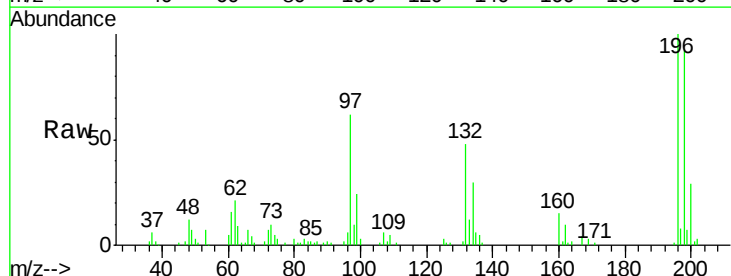
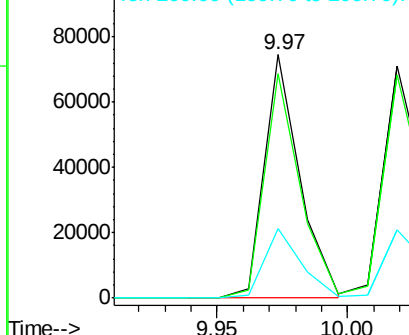
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

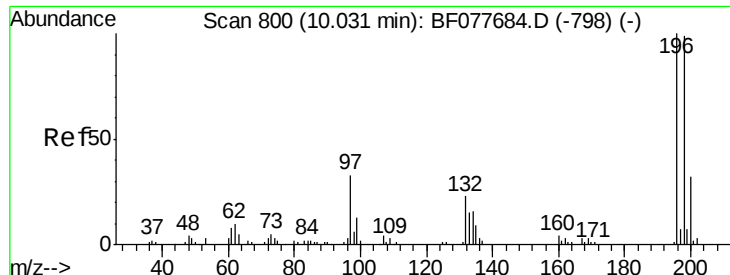


#42  
 2,4,6-Trichlorophenol  
 Concen: 44.47 ng  
 RT: 9.97 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 92.2  | 76.3       | 114.5 |
| 200     | 28.7  | 25.6       | 38.4  |

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





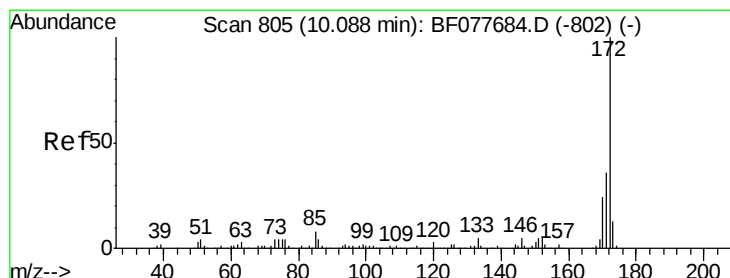
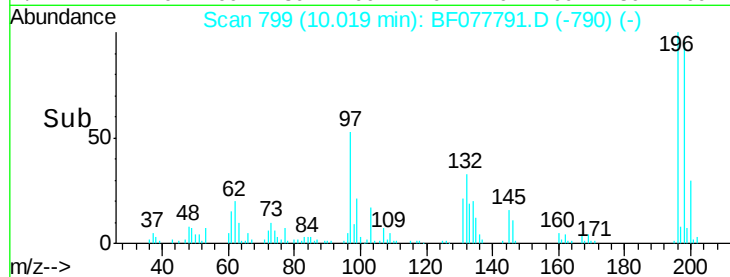
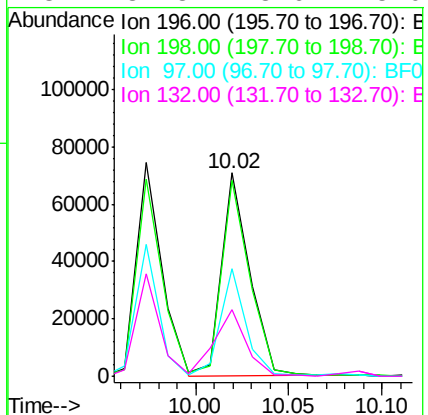
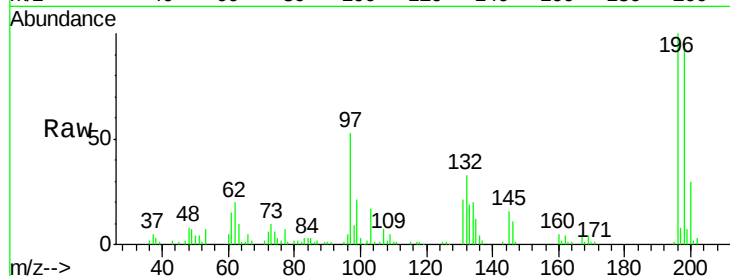
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.72 ng  
 RT: 10.02 min Scan# 799  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 196     | 100  |       | 74556 |       |       |
| 198     | 96.1 | 79.4  | 119.0 |       |       |
| 97      | 53.0 | 26.8  | 40.2# |       |       |
| 132     | 32.8 | 18.6  | 28.0# |       |       |

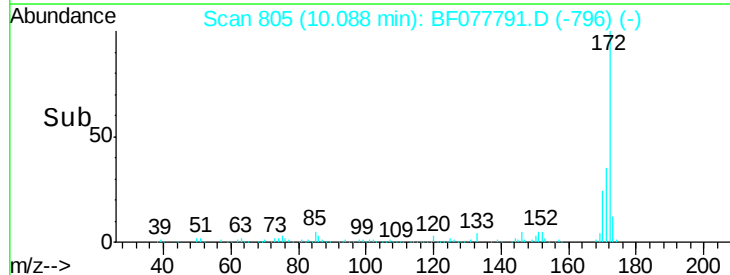
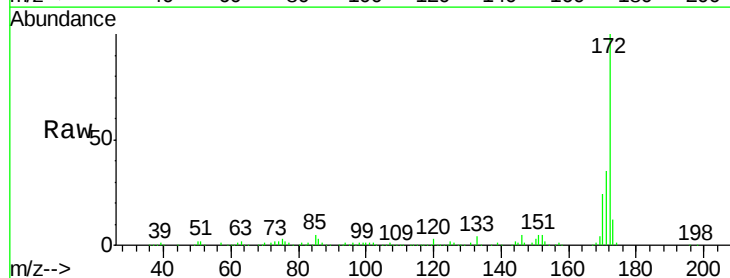
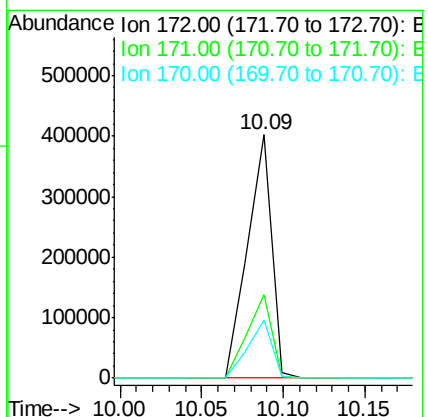
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#44  
 2-Fluorobiphenyl  
 Concen: 79.47 ng  
 RT: 10.09 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 413137 |       |       |
| 171     | 34.5 | 28.5  | 42.7   |       |       |
| 170     | 23.6 | 18.8  | 28.2   |       |       |





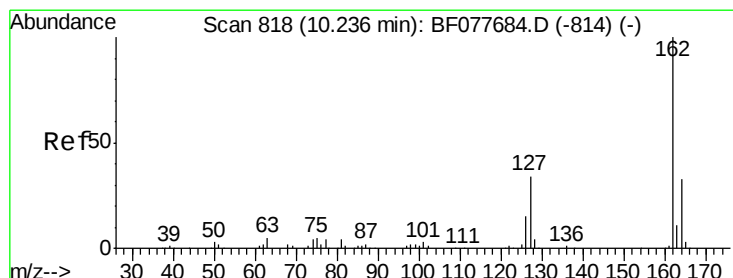
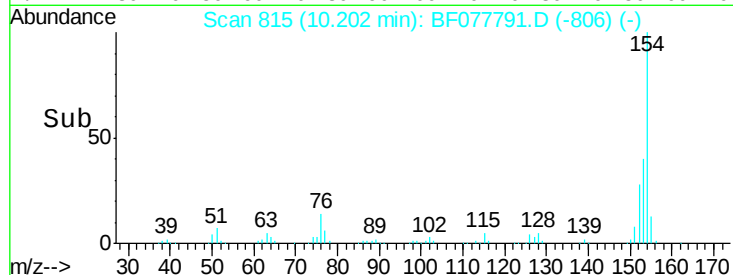
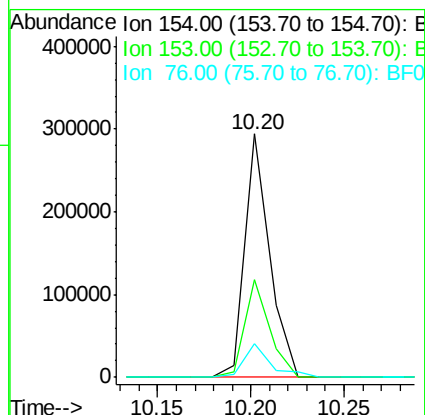
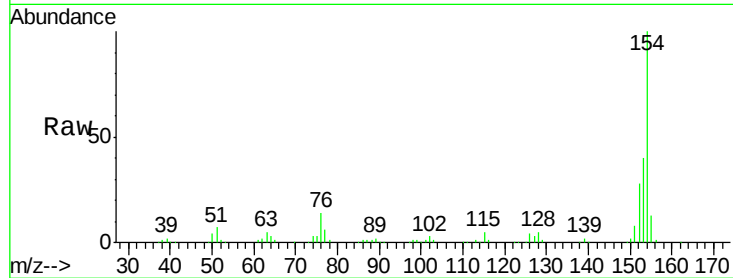
#45  
1,1'-Biphenyl  
Concen: 44.59 ng  
RT: 10.20 min Scan# 815  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 272336 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.1  | 20.7  | 60.7   |
| 76        | 14.0  | 0.0   | 30.9   |

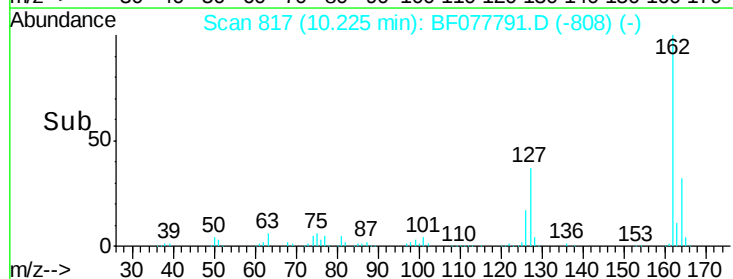
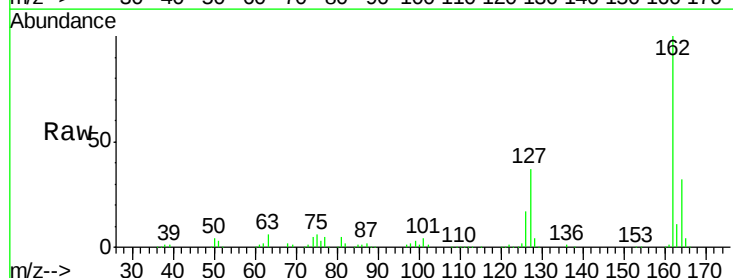
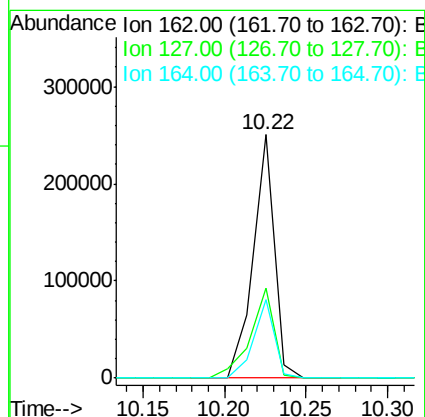
Manual Integrations  
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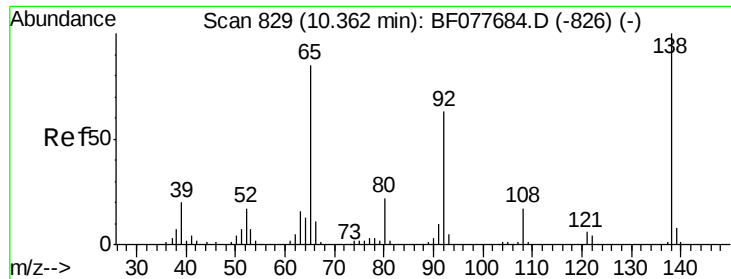
mohammad  
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#46  
2-Chloronaphthalene  
Concen: 45.63 ng  
RT: 10.22 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 226502 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 37.1  | 26.9  | 40.3   |
| 164       | 32.1  | 26.8  | 40.2   |





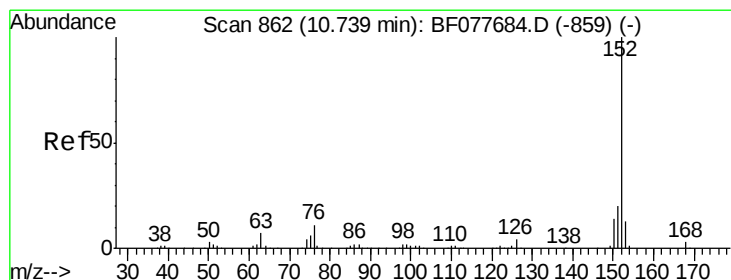
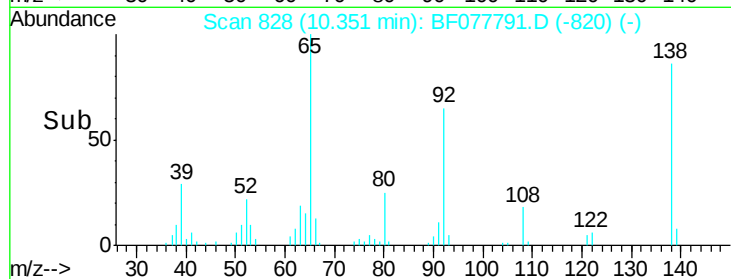
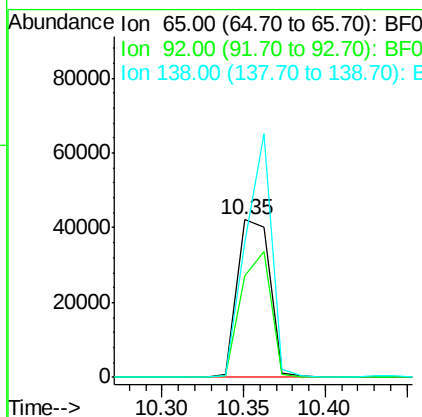
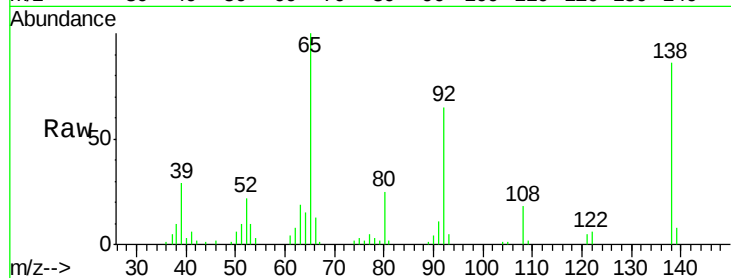
#47  
 2-Nitroaniline  
 Concen: 46.98 ng  
 RT: 10.35 min Scan# 828  
 Delta R.T. -0.01 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.9  | 59.1  | 88.7  |
| 138     | 85.7  | 93.9  | 140.9 |

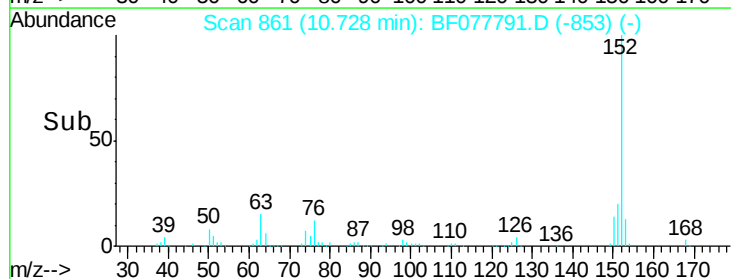
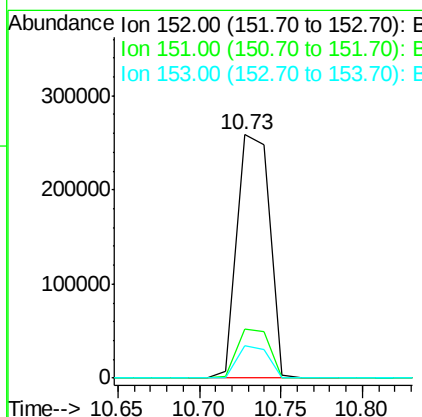
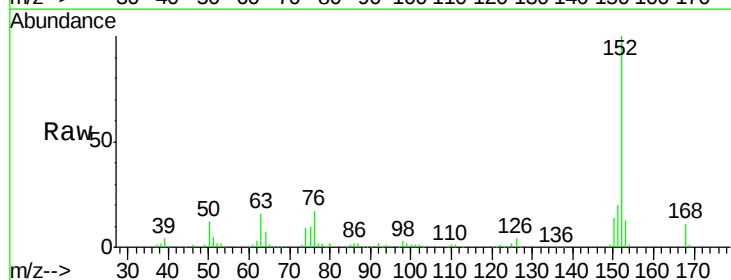
Manual Integrations  
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#48  
 Acenaphthylene  
 Concen: 42.96 ng  
 RT: 10.73 min Scan# 861  
 Delta R.T. -0.01 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.9  | 23.9  |
| 153     | 13.4  | 10.6  | 16.0  |





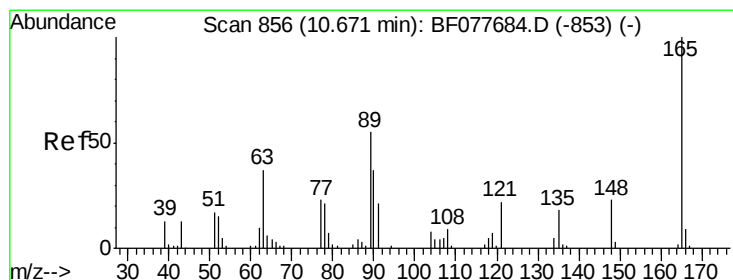
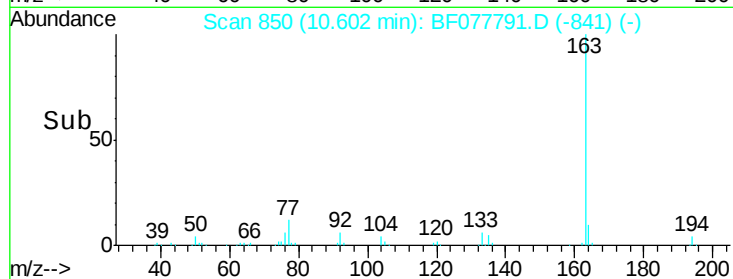
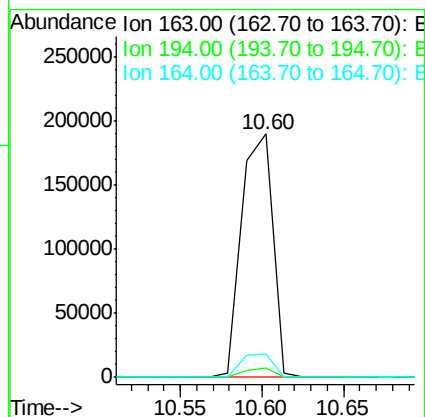
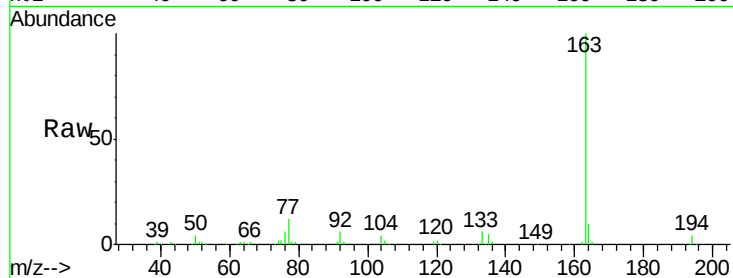
#49  
Dimethylphthalate  
Concen: 44.17 ng  
RT: 10.60 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 3.9   | 2.7        | 4.1   |
| 164     | 9.6   | 8.2        | 12.2  |

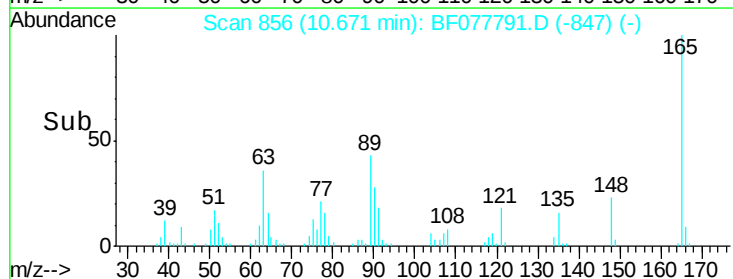
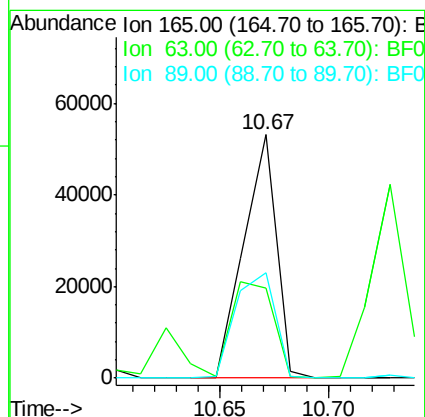
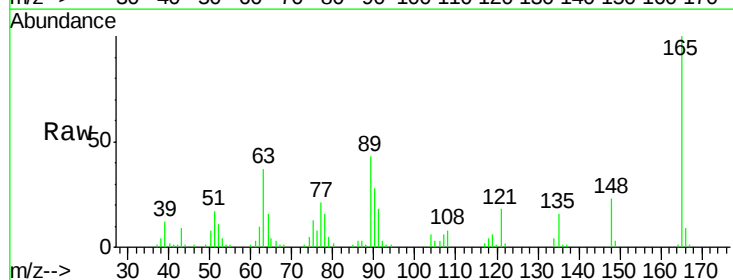
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#50  
2,6-Dinitrotoluene  
Concen: 47.22 ng  
RT: 10.67 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 36.9  | 44.1       | 66.1# |
| 89      | 43.4  | 44.3       | 66.5# |





#51

Acenaphthene

Concen: 41.53 ng

RT: 10.94 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

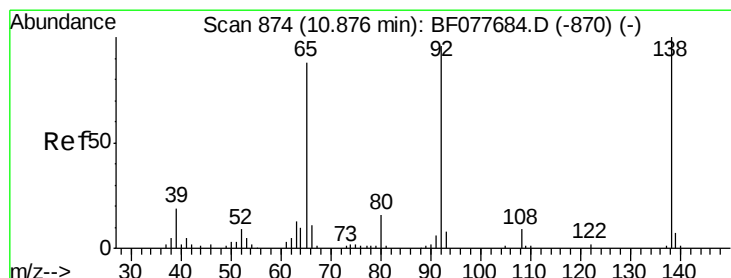
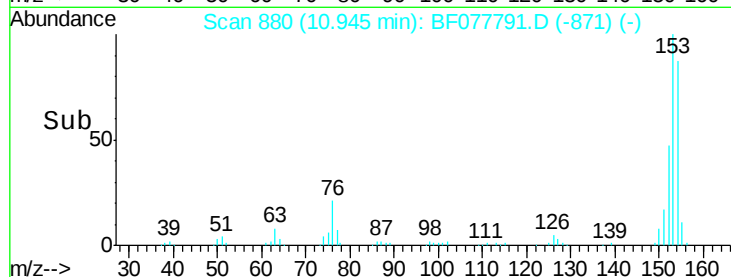
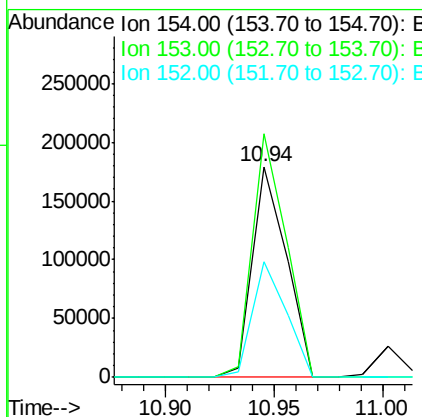
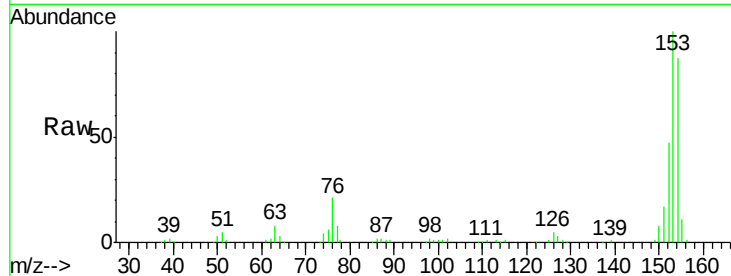
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 196531 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.6 | 90.0  | 135.0  |
| 152       | 54.6  | 42.6  | 63.8   |

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#52

3-Nitroaniline

Concen: 34.13 ng

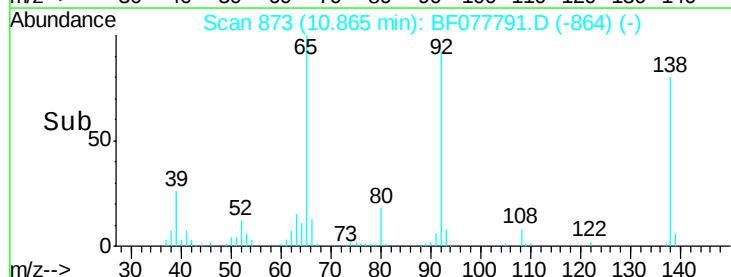
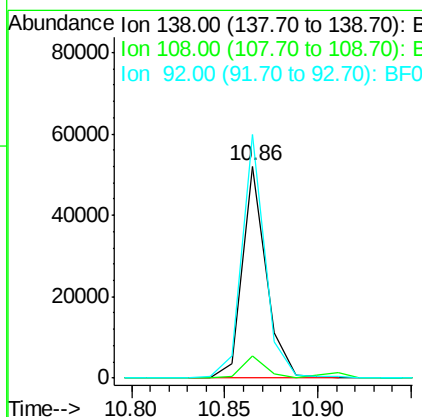
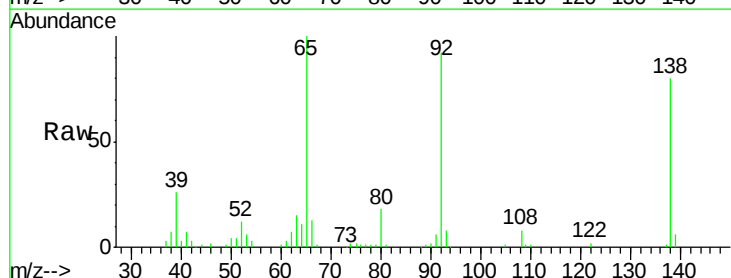
RT: 10.86 min Scan# 873

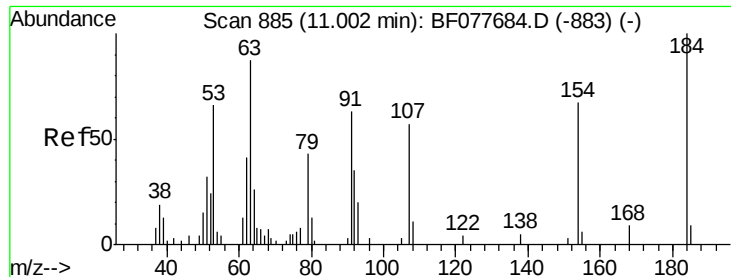
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 46558 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.3  | 7.3   | 10.9  |
| 92        | 114.7 | 76.6  | 114.8 |





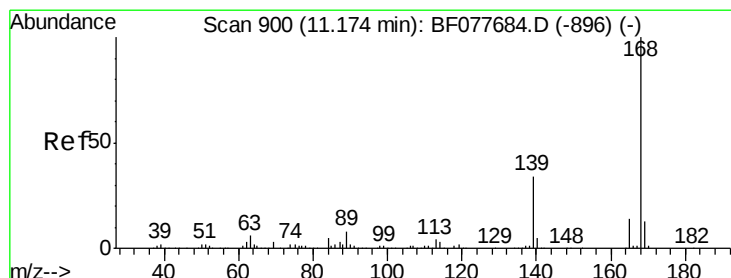
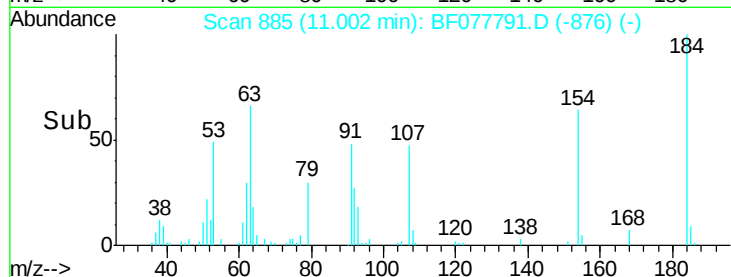
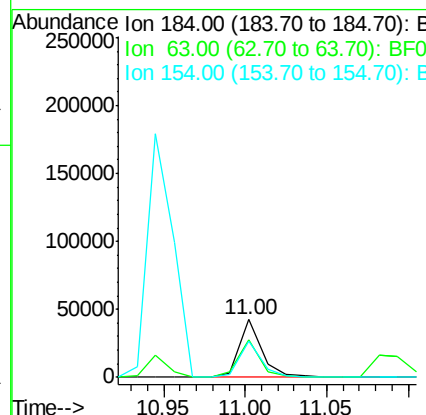
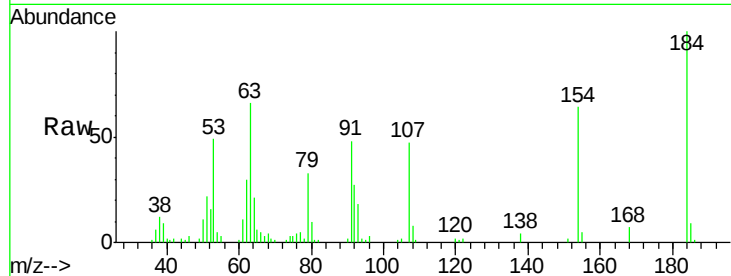
#53  
 2,4-Dinitrophenol  
 Concen: 92.06 ng  
 RT: 11.00 min Scan# 885  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB82134BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 65.8  | 69.2 | 103.8 |       |
| 154     | 63.6  | 53.3 | 79.9  |       |

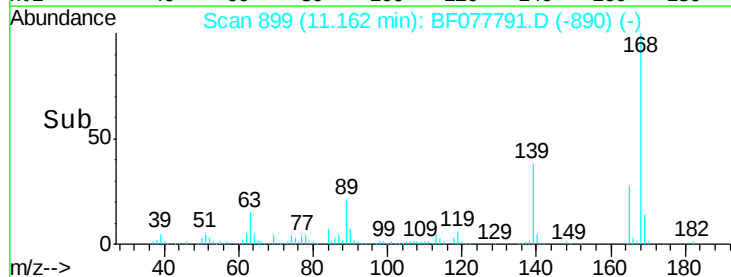
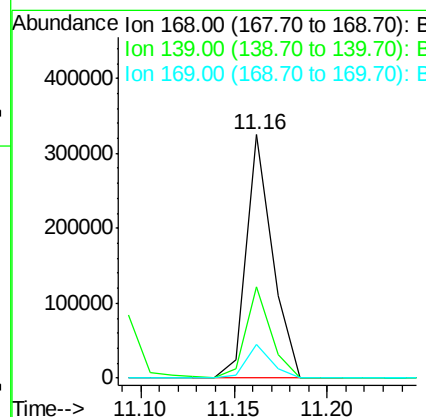
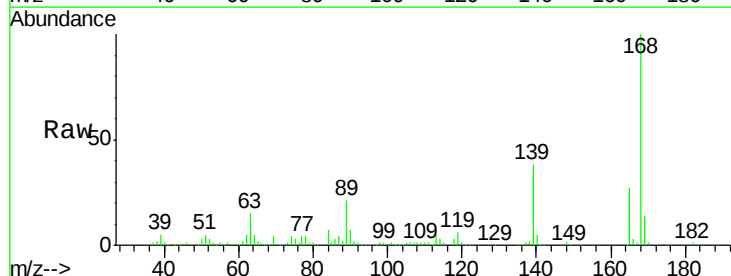
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#54  
 Dibenzofuran  
 Concen: 44.92 ng  
 RT: 11.16 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.6  | 27.3 | 40.9  |       |
| 169     | 13.6  | 10.6 | 16.0  |       |





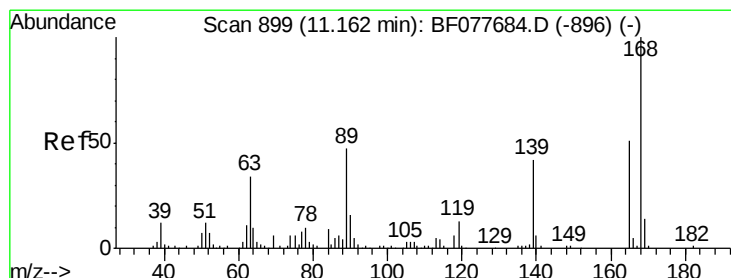
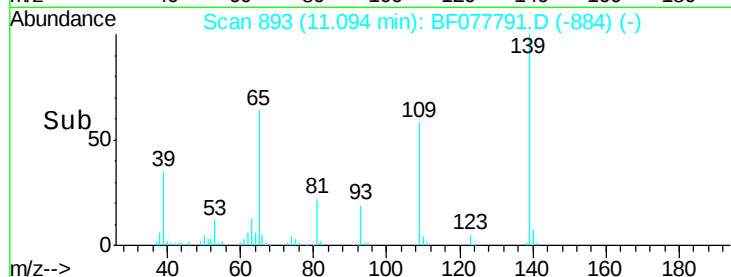
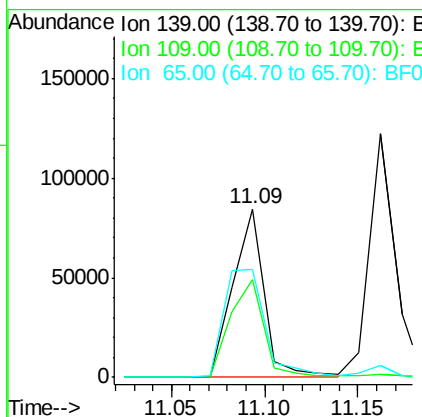
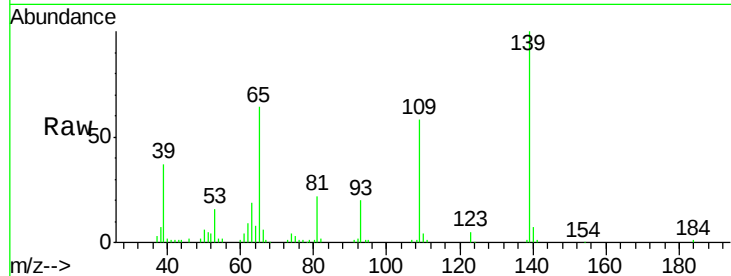
#55  
4-Nitrophenol  
Concen: 97.90 ng  
RT: 11.09 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 58.5  | 37.7 | 77.7  |       |
| 65      | 64.4  | 49.9 | 89.9  |       |

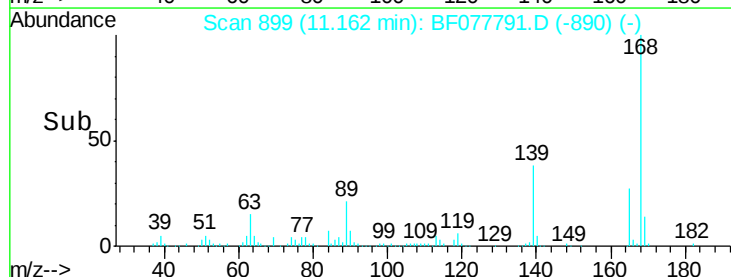
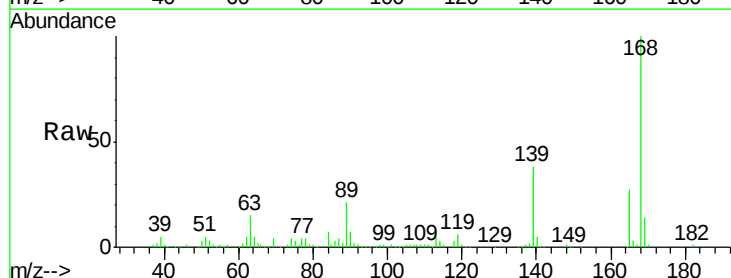
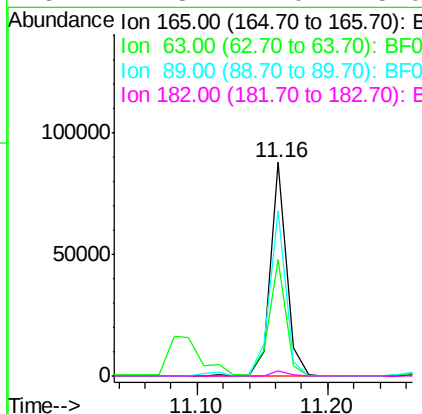
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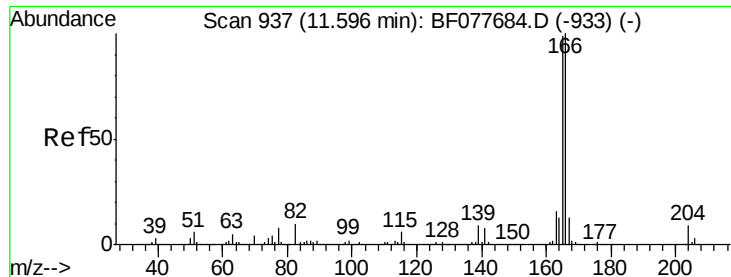
mohammad  
3/20/2015 1:47:50 PM



#56  
2,4-Dinitrotoluene  
Concen: 49.50 ng  
RT: 11.16 min Scan# 899  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 54.8  | 52.4 | 78.6  |       |
| 89      | 77.3  | 72.4 | 108.6 |       |
| 182     | 2.3   | 2.0  | 3.0   |       |





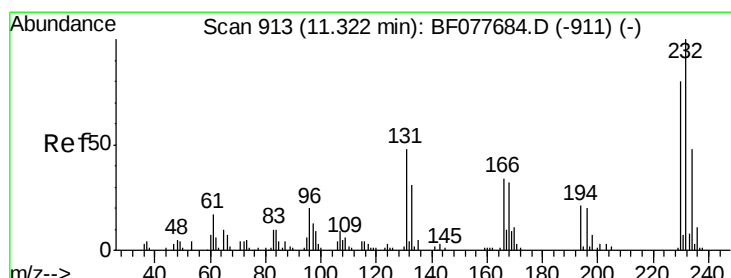
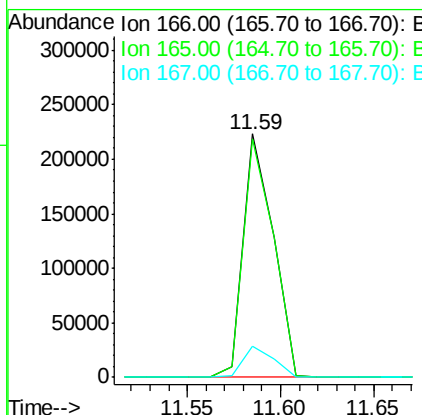
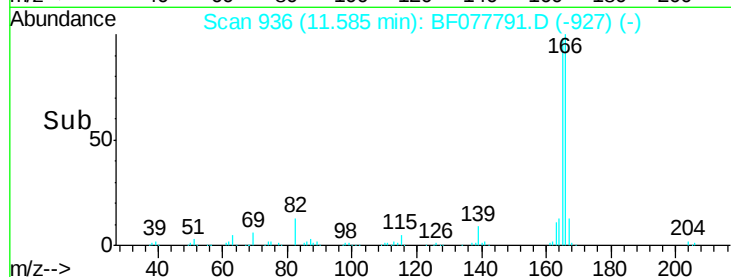
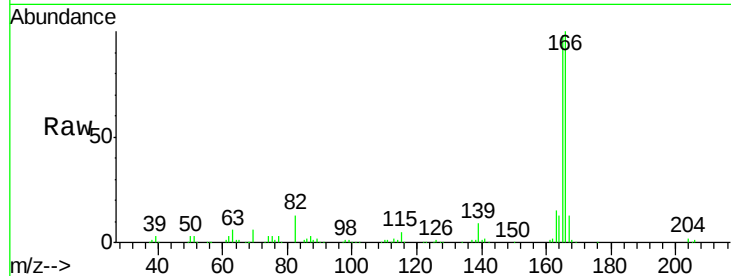
#57  
Fluorene  
Concen: 42.76 ng  
RT: 11.59 min Scan# 936  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 249177 |       |       |
| 165     | 98.2  | 79.0   | 118.4 |       |
| 167     | 13.0  | 10.3   | 15.5  |       |

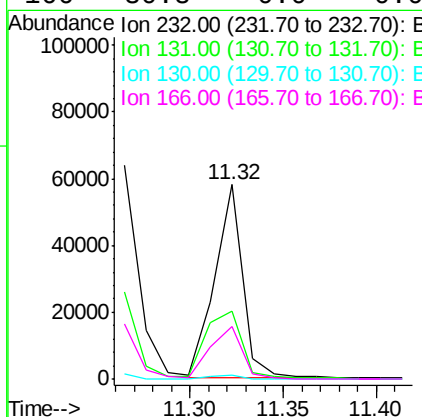
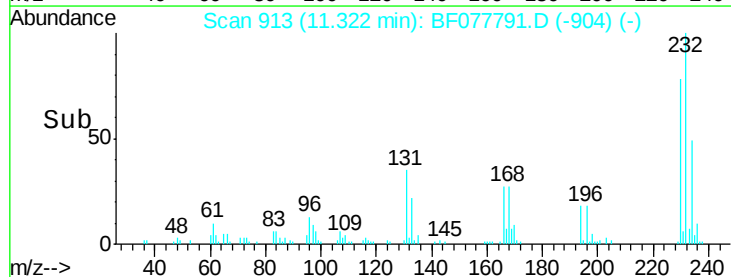
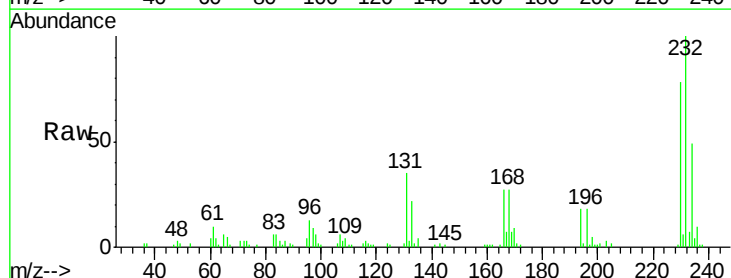
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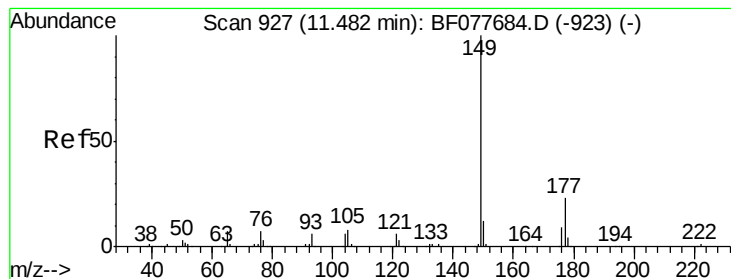
mohammad  
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#58  
2,3,4,6-Tetrachlorophenol  
Concen: 46.40 ng  
RT: 11.32 min Scan# 913  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 60927 |       |       |
| 131     | 44.2  | 0.0   | 0.0#  |       |
| 130     | 2.2   | 0.0   | 0.0#  |       |
| 166     | 30.8  | 0.0   | 0.0#  |       |





#59

Diethylphthalate

Concen: 44.36 ng

RT: 11.47 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

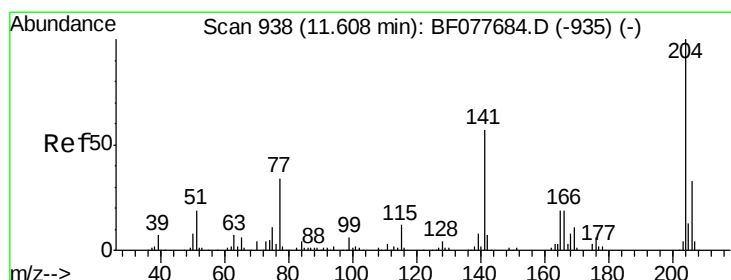
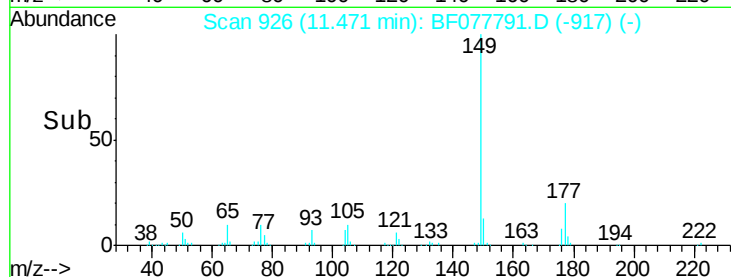
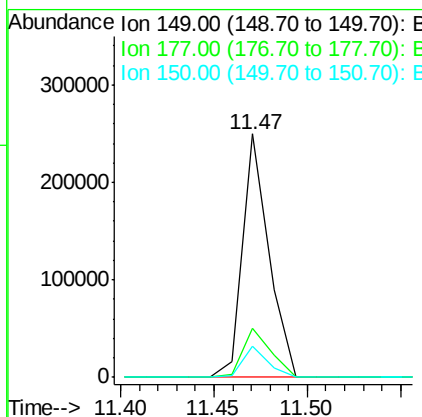
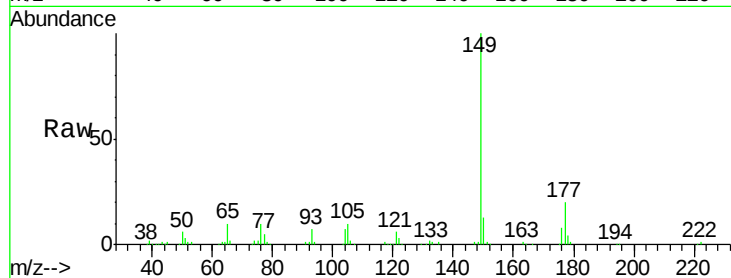
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 244897 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 20.1  | 18.3  | 27.5   |
| 150       | 12.8  | 9.8   | 14.8   |

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#60

4-Chlorophenyl-phenylether

Concen: 43.65 ng

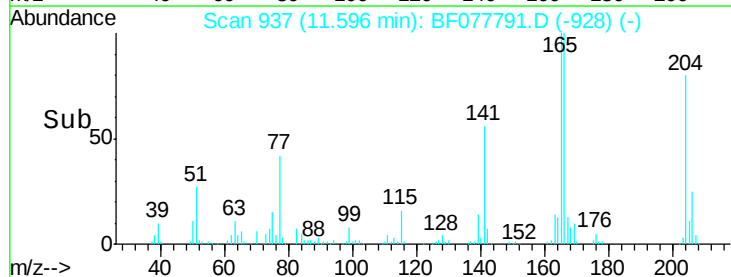
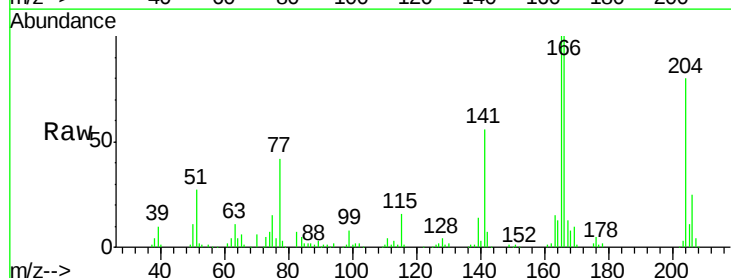
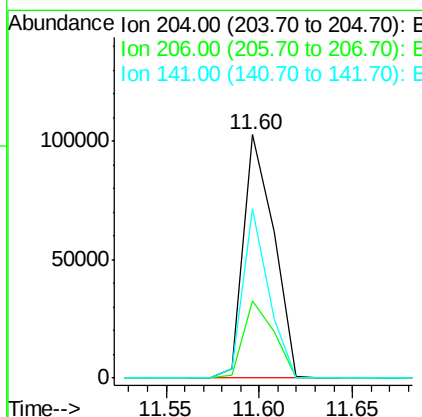
RT: 11.60 min Scan# 937

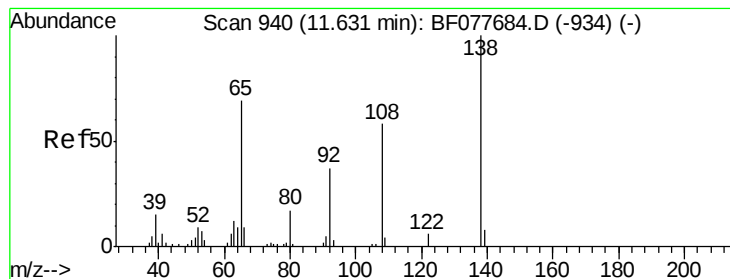
Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 116090 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 31.5  | 26.6  | 39.8   |
| 141       | 69.5  | 45.2  | 67.8#  |





#61

4-Nitroaniline

Concen: 43.75 ng

RT: 11.62 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

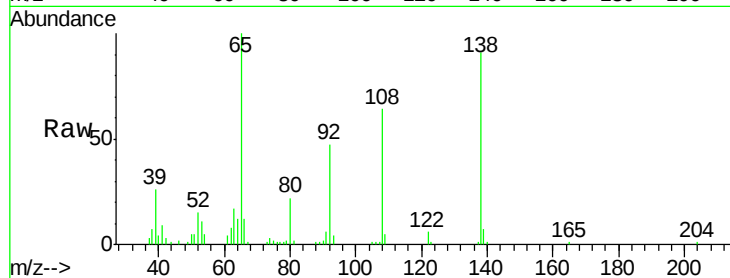
ClientSampleId :

PB82134BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 138   | Resp: | 59478 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 51.3  | 16.7  | 56.7  |
| 108       | 70.4  | 37.6  | 77.6  |

Manual Integrations  
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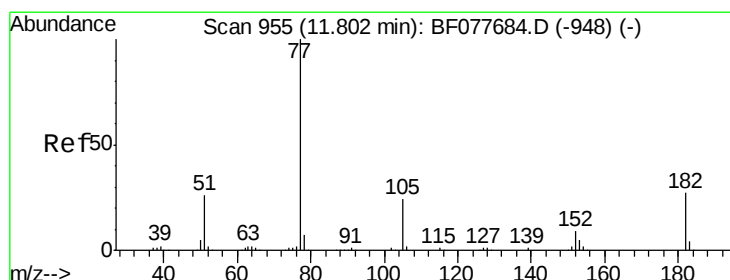
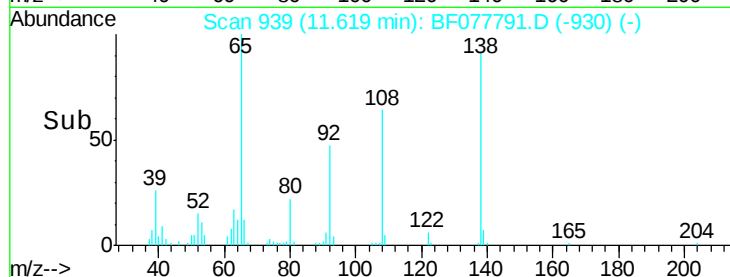
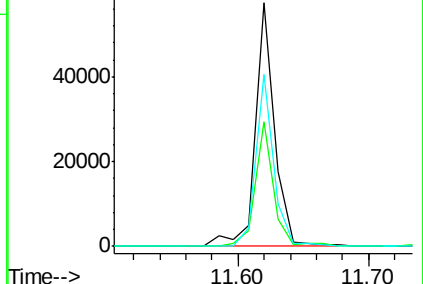
mohammad  
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.97 ng

RT: 11.79 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

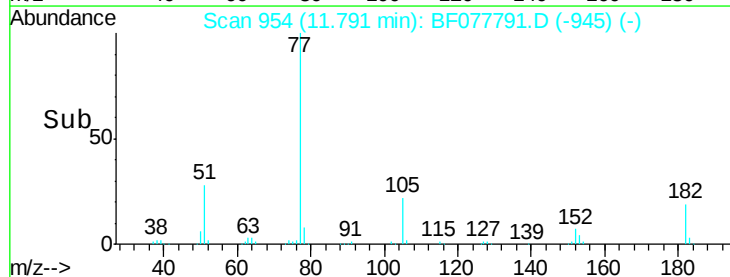
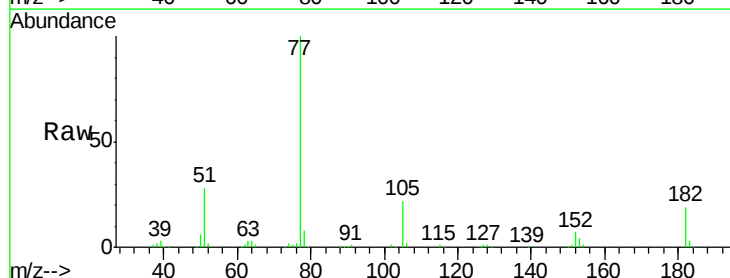
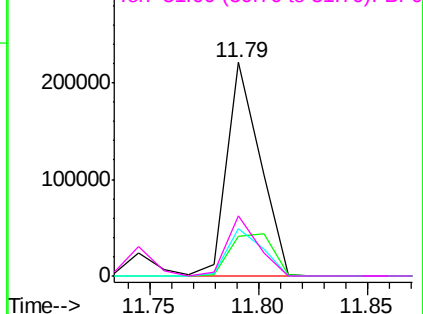
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 232030 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 18.6  | 6.5   | 46.5   |
| 105       | 22.1  | 3.8   | 43.8   |
| 51        | 28.1  | 5.5   | 45.5   |

Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





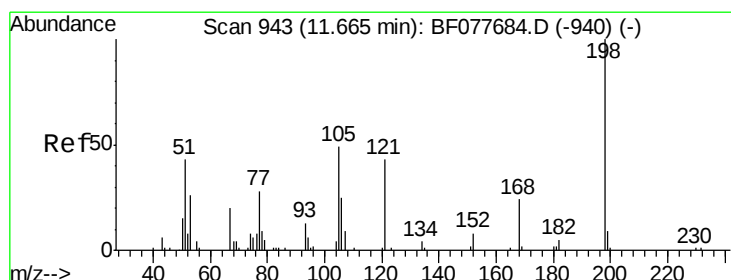
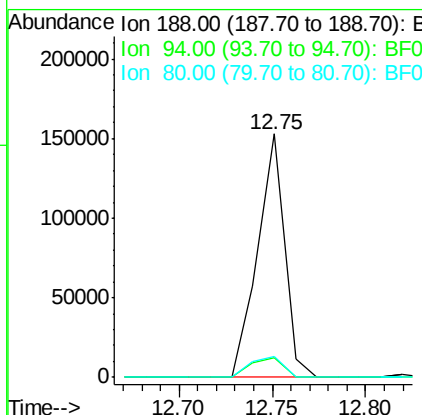
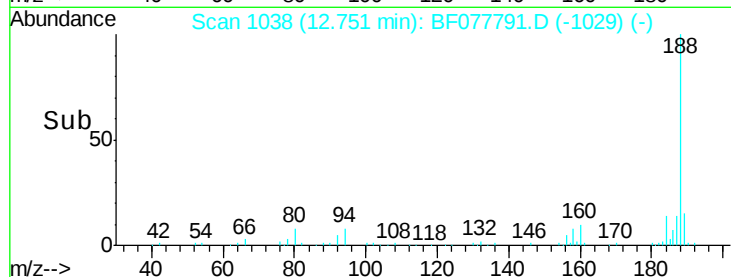
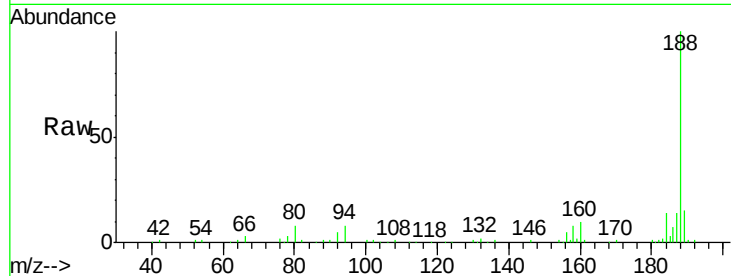
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.75 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 7.9   | 8.7        | 13.1# |
| 80      | 8.4   | 9.3        | 13.9# |

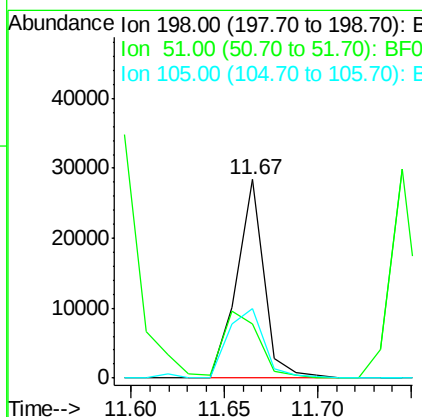
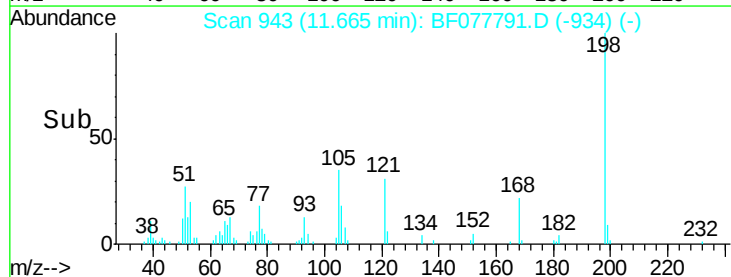
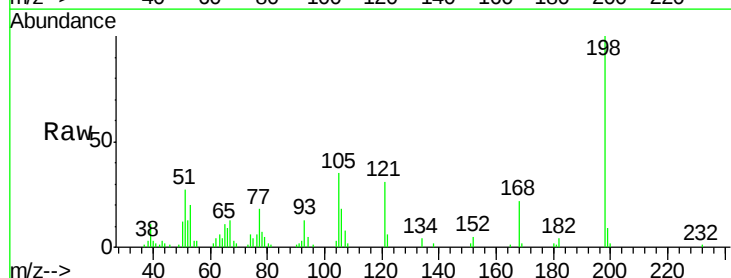
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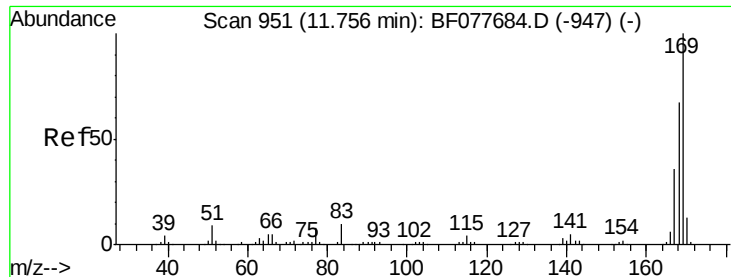
mohammad  
3/20/2015 1:47:50 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.11 ng  
RT: 11.67 min Scan# 943  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 27.0  | 28.8       | 68.8# |
| 105     | 34.9  | 30.5       | 70.5  |





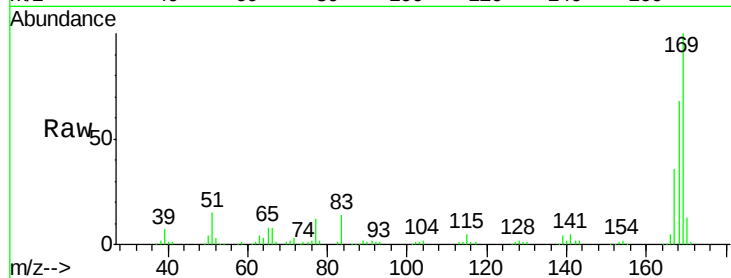
#65  
n-Nitrosodiphenylamine  
Concen: 42.35 ng  
RT: 11.75 min Scan# 950  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

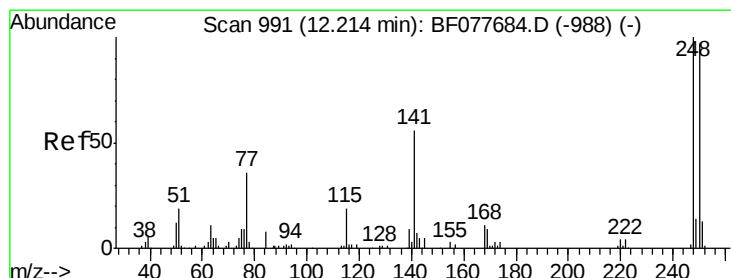
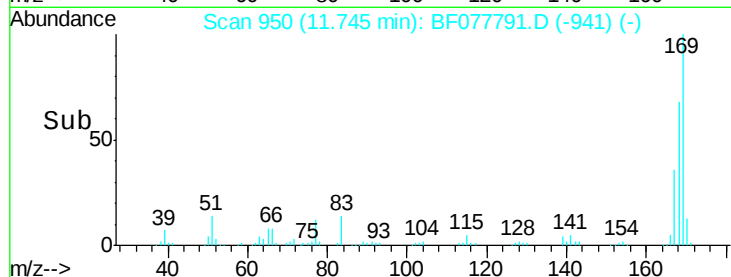
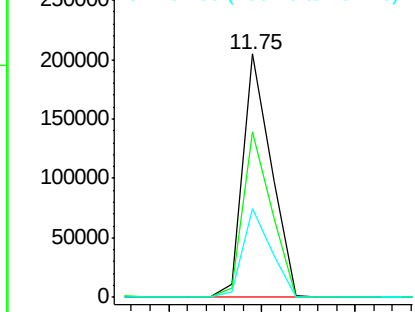
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 215271 |       |       |
| 168     | 67.9  |        | 53.9  | 80.9  |
| 167     | 36.3  |        | 28.9  | 43.3  |

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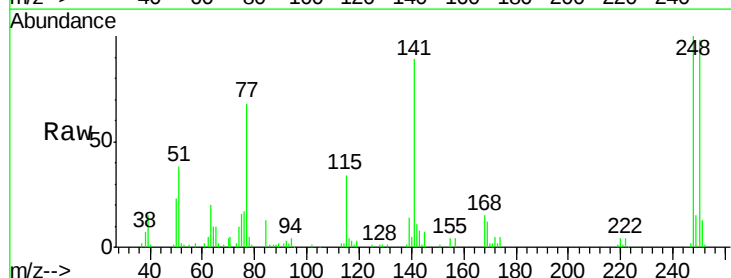


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

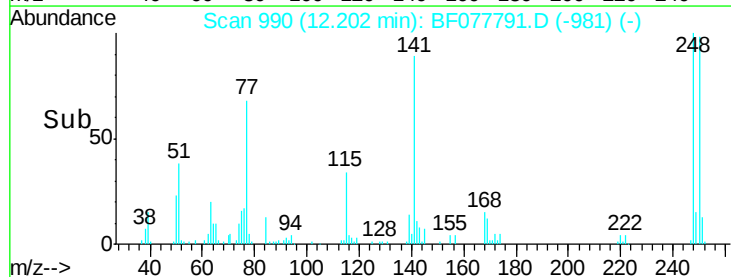
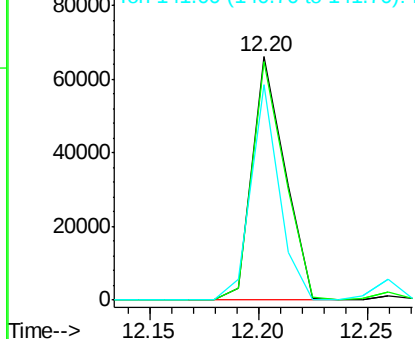


#66  
4-Bromophenyl-phenylether  
Concen: 42.46 ng  
RT: 12.20 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 69170 |       |       |
| 250     | 98.1  |       | 77.4  | 116.0 |
| 141     | 88.6  |       | 45.2  | 67.8# |



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





#67

Hexachlorobenzene

Concen: 41.48 ng

RT: 12.26 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

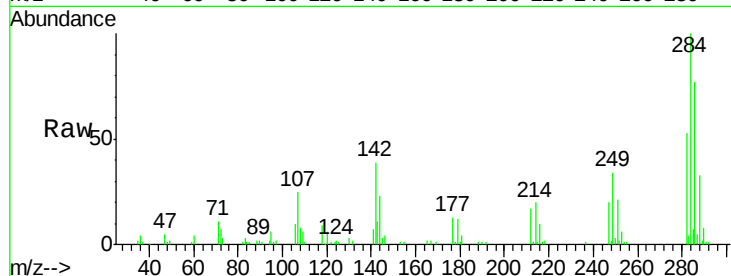
ClientSampleId :

PB82134BS

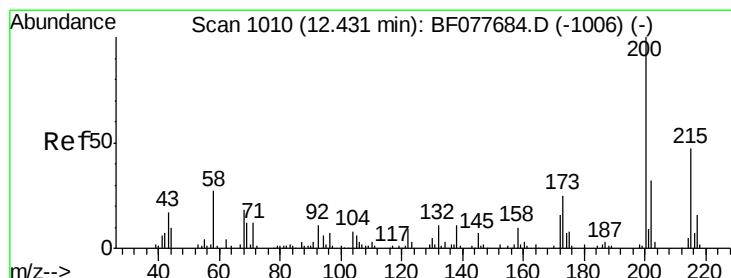
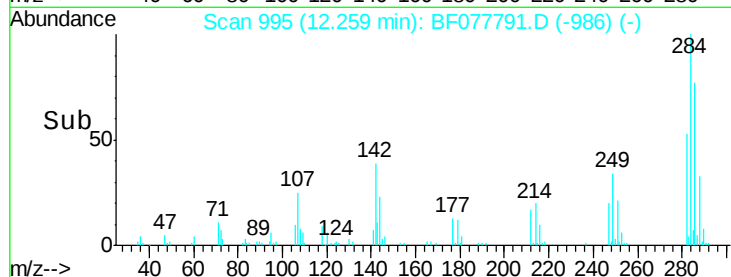
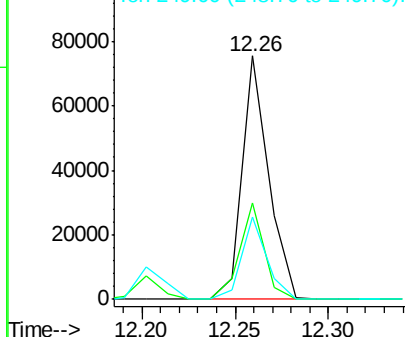
|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 284  | Resp: | 74257 |
| Ion Ratio |      | Lower | Upper |
| 284       | 100  |       |       |
| 142       | 39.5 | 20.4  | 30.6# |
| 249       | 33.6 | 23.8  | 35.6  |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 44.96 ng

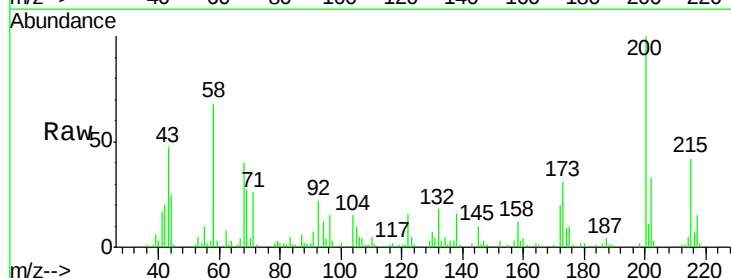
RT: 12.42 min Scan# 1009

Delta R.T. -0.01 min

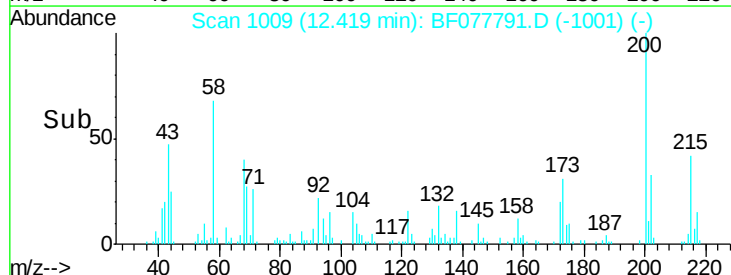
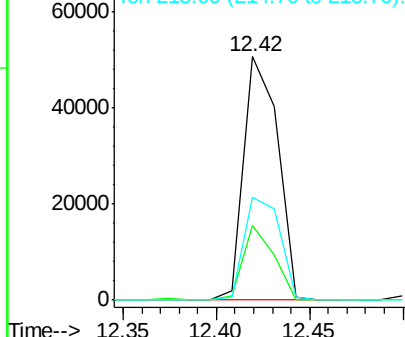
Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 200  | Resp: | 64050 |
| Ion Ratio |      | Lower | Upper |
| 200       | 100  |       |       |
| 173       | 30.7 | 4.8   | 44.8  |
| 215       | 42.1 | 26.9  | 66.9  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





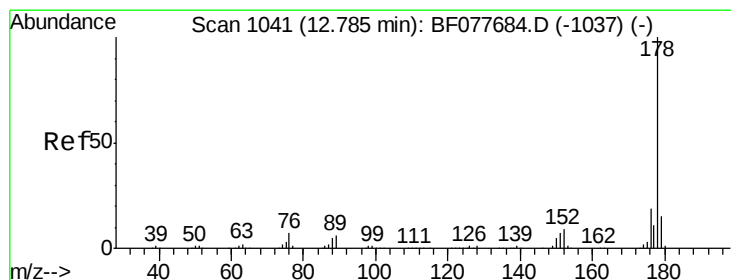
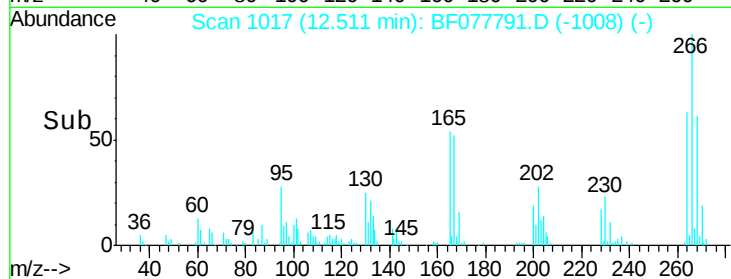
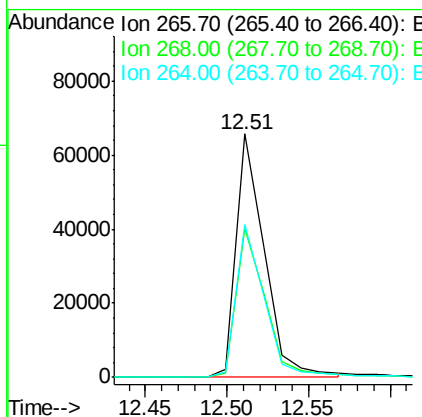
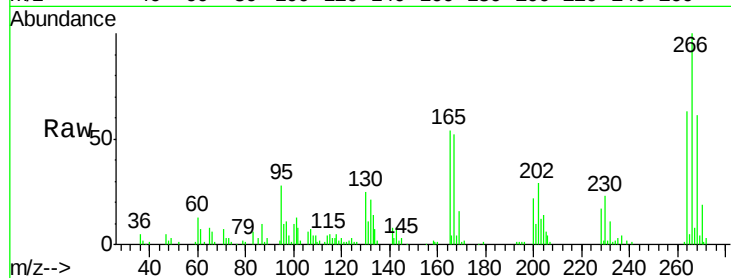
#69  
 Pentachlorophenol  
 Concen: 83.51 ng  
 RT: 12.51 min Scan# 1017  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 61.2  | 52.0  | 78.0  |
| 264     | 62.5  | 49.0  | 73.4  |

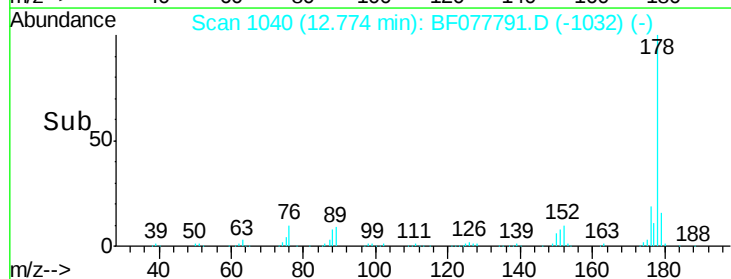
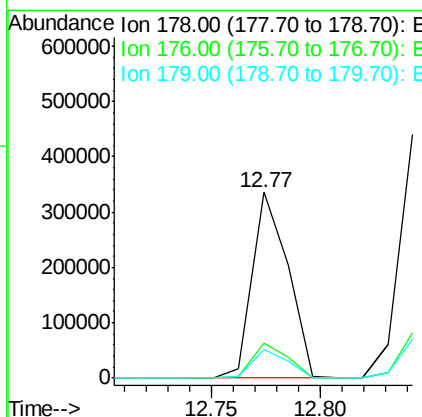
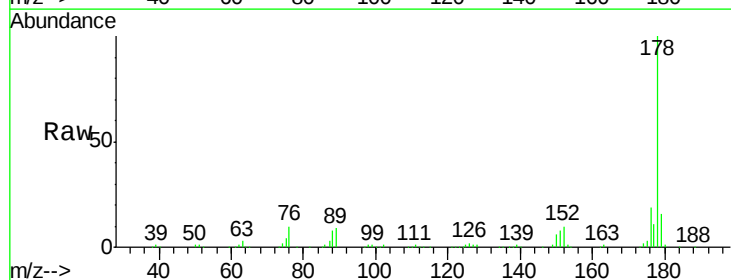
Manual Integrations  
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 3/20/2015 1:47:50 PM



#70  
 Phenanthrene  
 Concen: 43.92 ng  
 RT: 12.77 min Scan# 1040  
 Delta R.T. -0.01 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.2  | 22.8  |
| 179     | 15.5  | 12.1  | 18.1  |





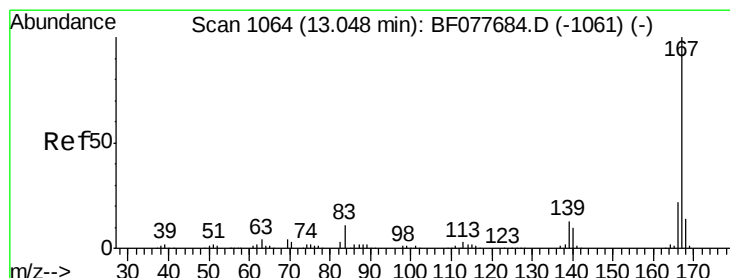
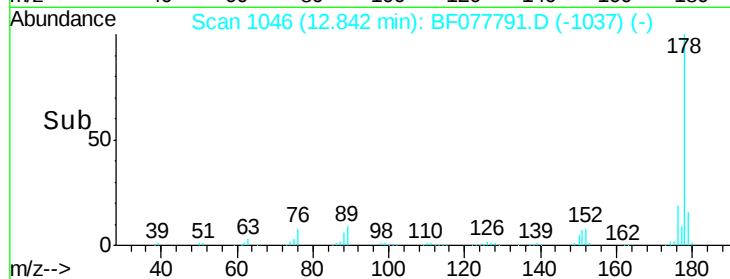
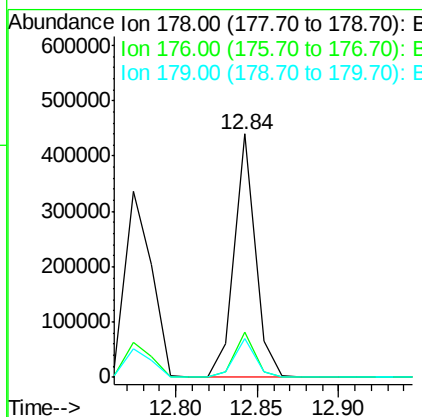
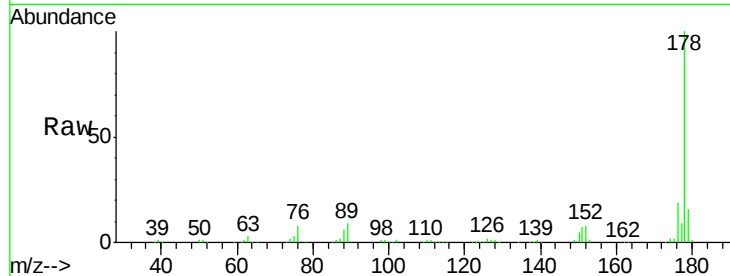
#71  
 Anthracene  
 Concen: 44.90 ng  
 RT: 12.84 min Scan# 1046  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 14.6  | 22.0  |
| 179     | 15.8  | 12.6  | 19.0  |

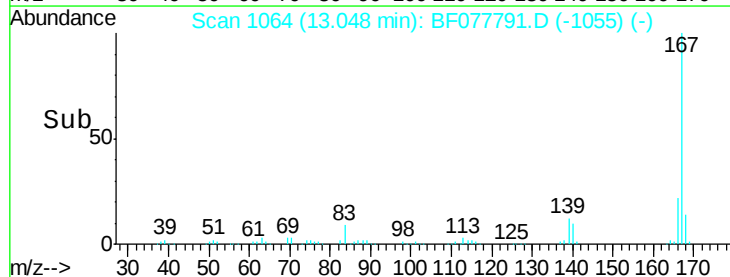
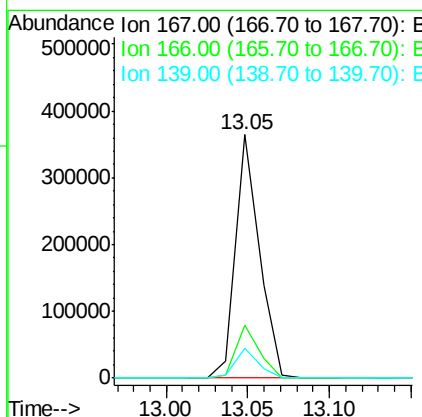
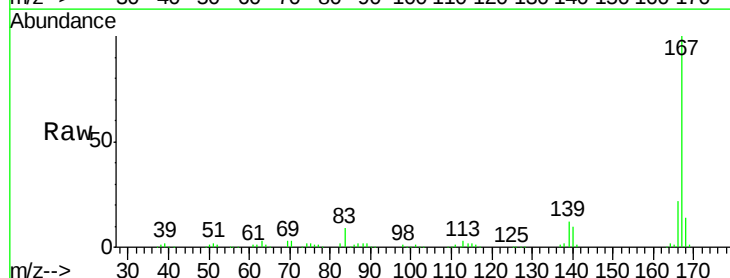
Manual Integrations  
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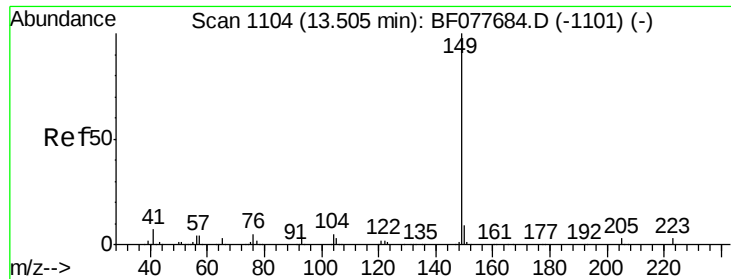
mohammad  
 3/20/2015 1:47:50 PM



#72  
 Carbazole  
 Concen: 44.66 ng  
 RT: 13.05 min Scan# 1064  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 17.2  | 25.8  |
| 139     | 12.4  | 10.8  | 16.2  |





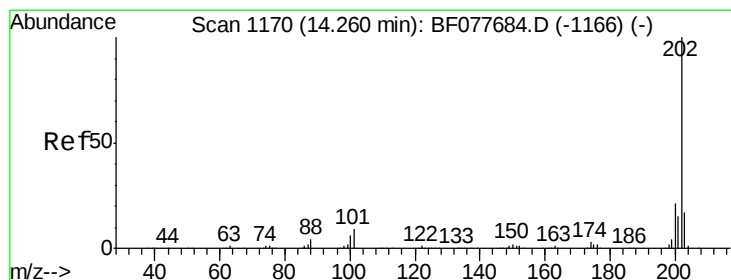
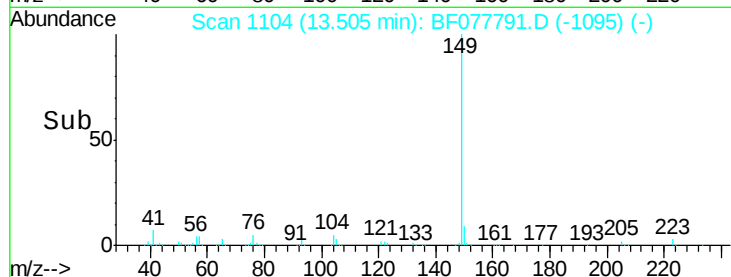
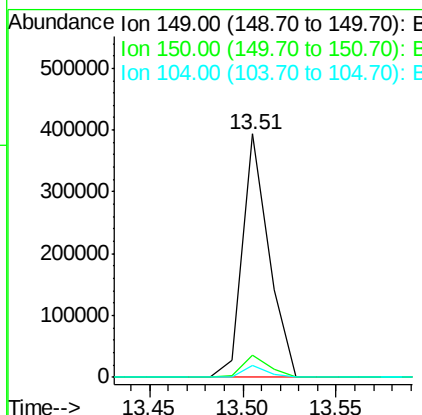
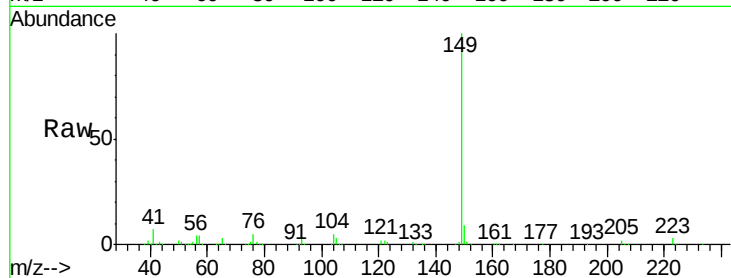
#73  
Di-n-butylphthalate  
Concen: 41.99 ng  
RT: 13.51 min Scan# 1104  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.0   | 7.5  | 11.3  |       |
| 104     | 4.7   | 3.7  | 5.5   |       |

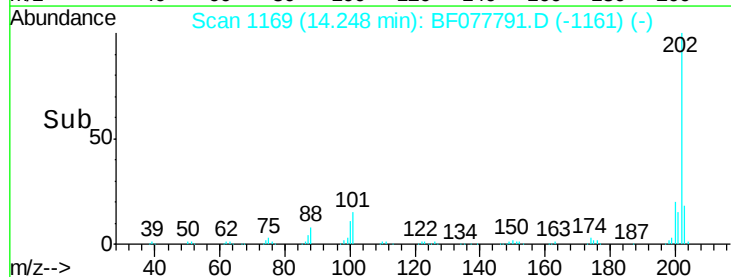
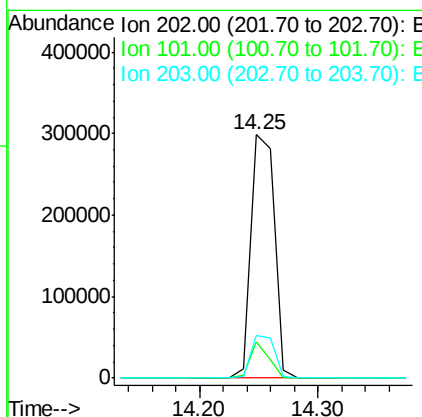
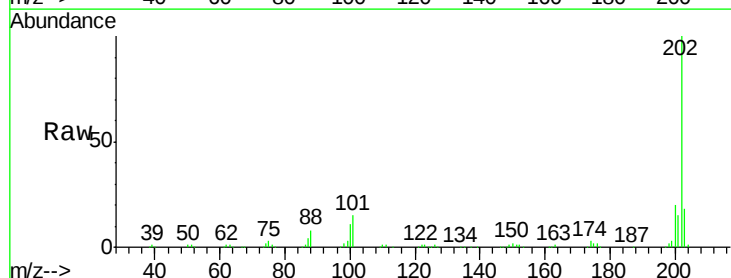
Manual Integrations  
APPROVED

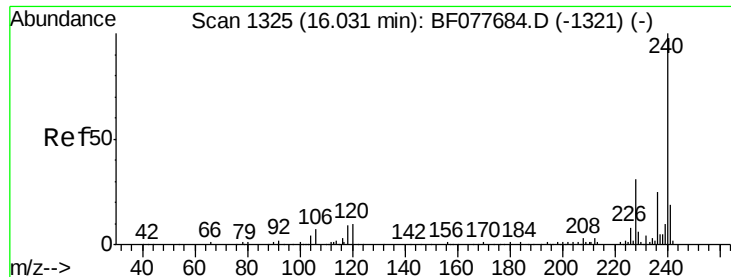
mohammad  
3/20/2015 1:47:50 PM



#74  
Fluoranthene  
Concen: 43.03 ng  
RT: 14.25 min Scan# 1169  
Delta R.T. -0.01 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 14.8  | 0.0  | 28.7  |       |
| 203     | 17.7  | 0.0  | 37.2  |       |





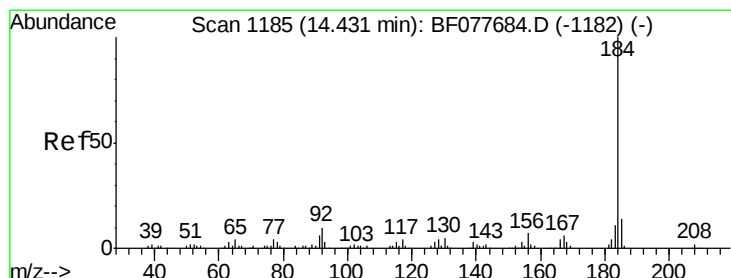
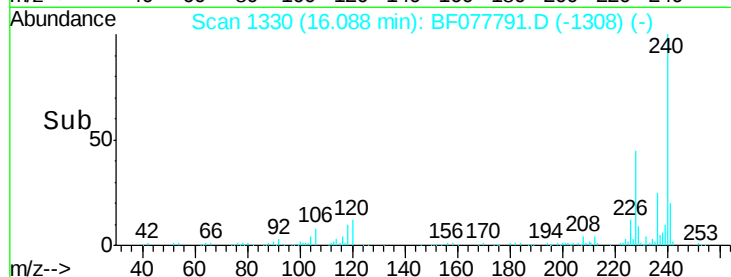
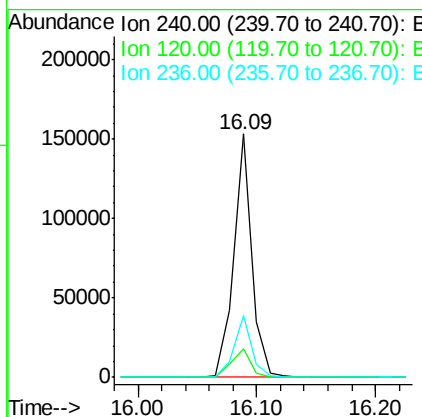
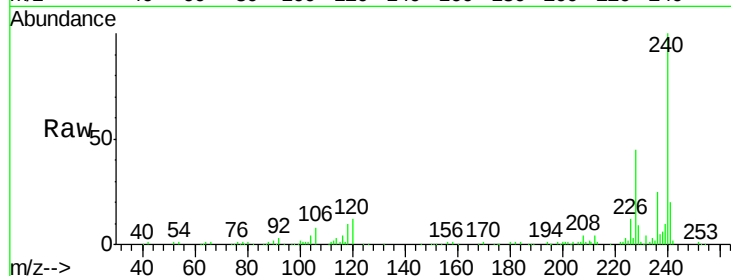
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 16.09 min Scan# 1330  
 Delta R.T. -0.05 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.7  | 8.2   | 12.2  |
| 236     | 25.2  | 20.0  | 30.0  |

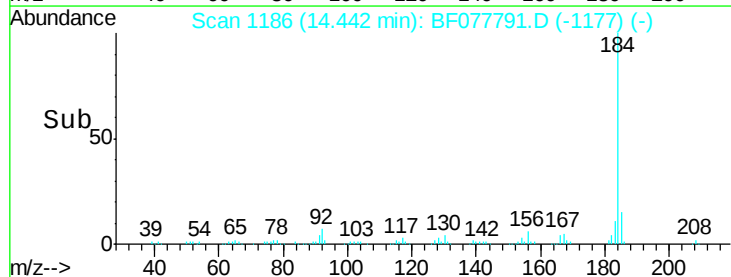
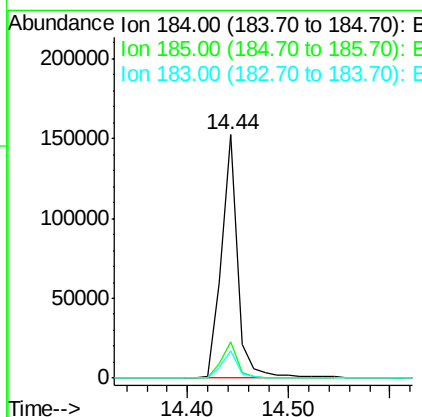
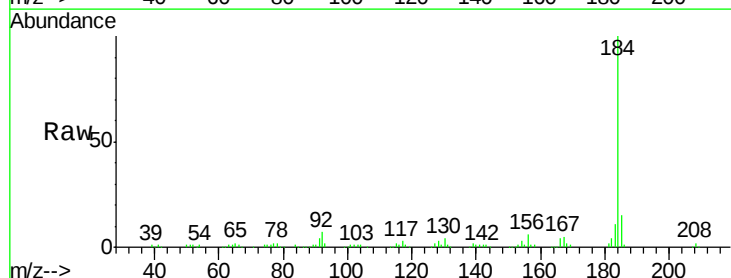
Manual Integrations  
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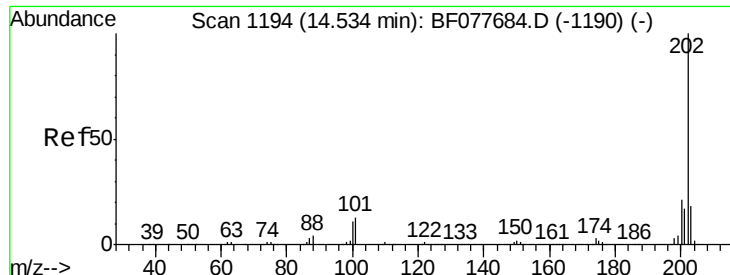
mohammad  
 3/20/2015 1:47:50 PM



#76  
 Benzidine  
 Concen: 43.07 ng m  
 RT: 14.44 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 15.0  | 11.3  | 16.9  |
| 183     | 11.1  | 8.9   | 13.3  |





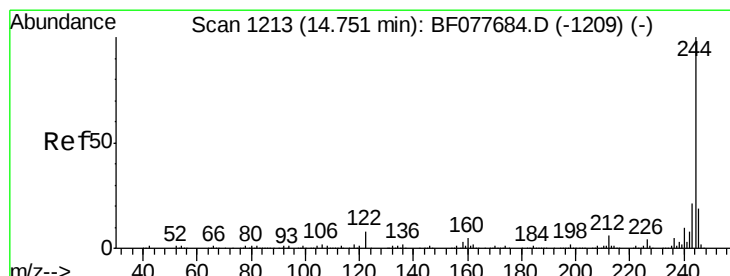
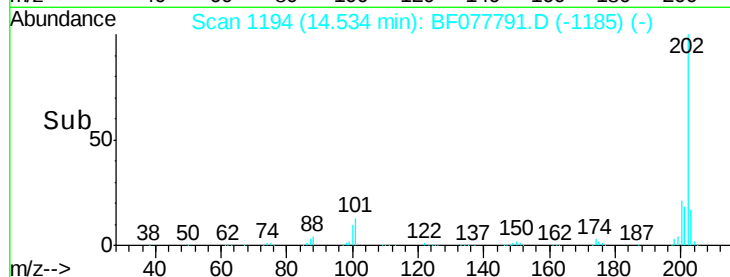
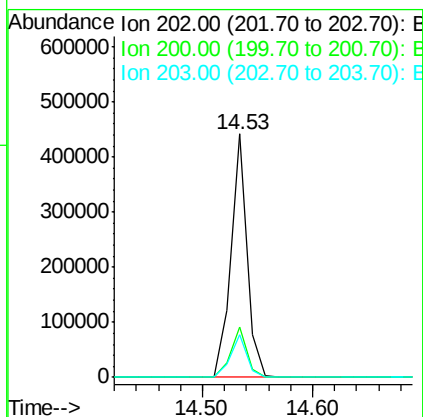
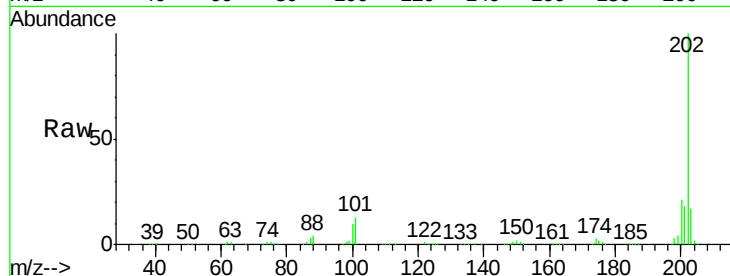
#77  
Pvrene  
Concen: 43.70 ng/mL  
RT: 14.53 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 202     | 100  |       |      |       |       |
| 200     | 20.6 | 16.9  | 25.3 |       |       |
| 203     | 17.4 | 14.1  | 21.1 |       |       |

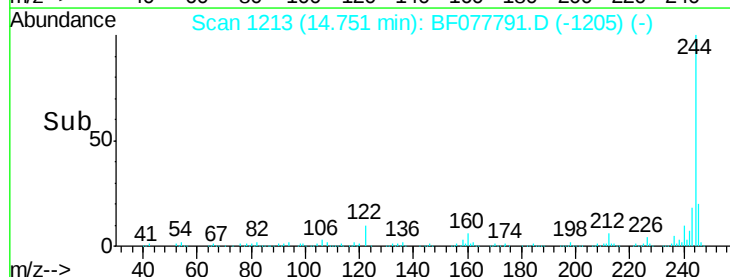
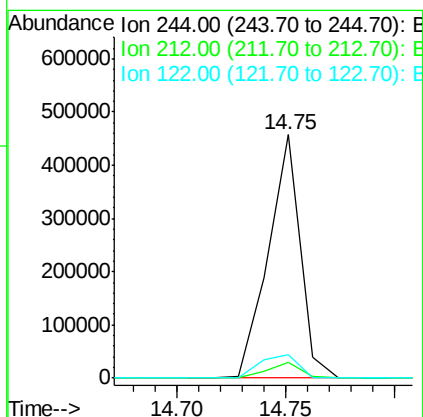
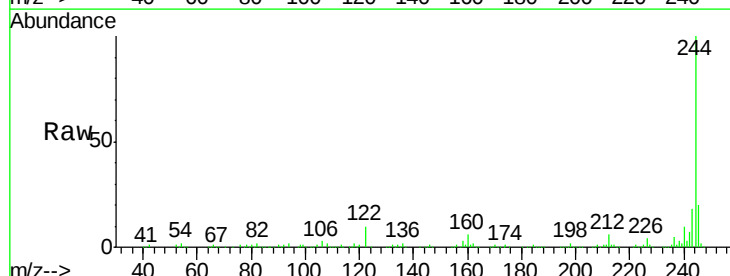
Manual Integrations  
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3/20/2015 1:47:50 PM



#78  
Terphenyl-d14  
Concen: 71.66 ng/mL  
RT: 14.75 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 244     | 100 |       |      |       |       |
| 212     | 6.5 | 4.9   | 7.3  |       |       |
| 122     | 9.6 | 6.2   | 9.4  |       |       |





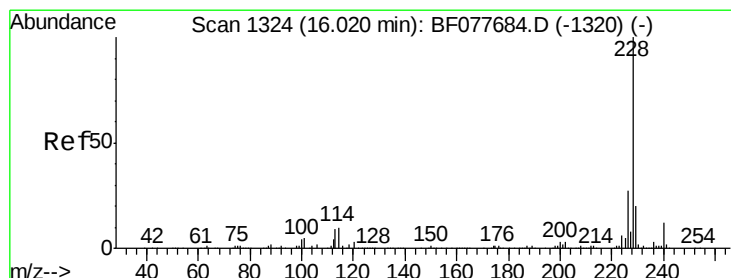
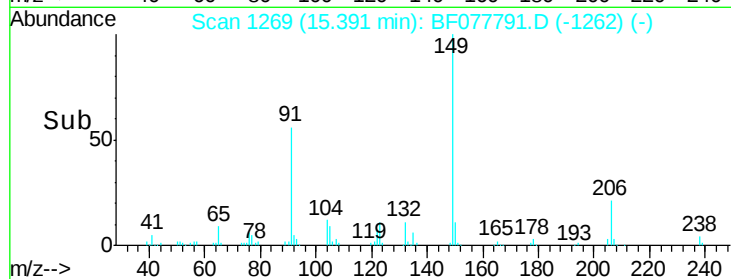
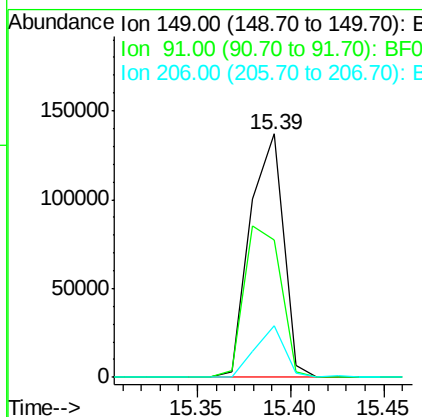
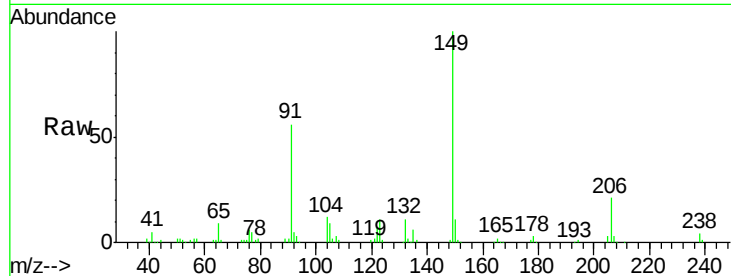
#79  
Butylbenzylphthalate  
Concen: 42.46 ng  
RT: 15.39 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 170038 |       |       |
| 91      | 56.3  | 50.1   | 75.1  |       |
| 206     | 21.5  | 16.2   | 24.2  |       |

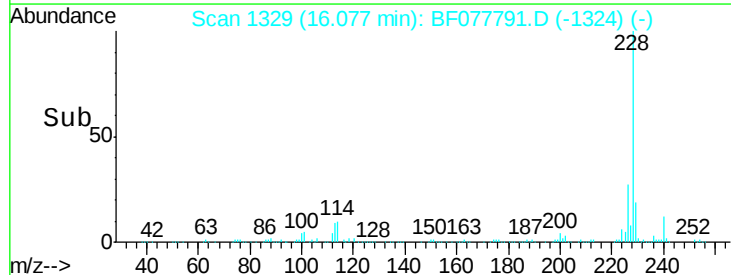
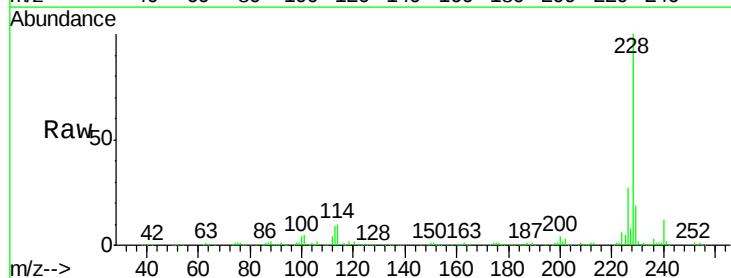
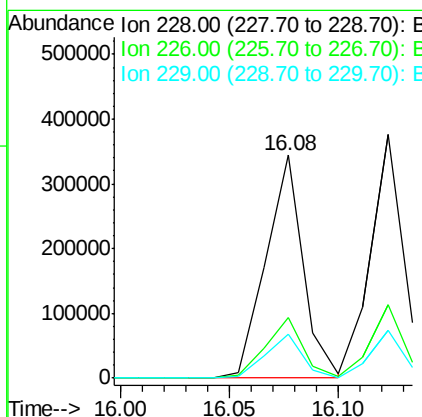
Manual Integrations  
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3/20/2015 1:47:50 PM



#80  
Benzo(a)anthracene  
Concen: 43.06 ng  
RT: 16.08 min Scan# 1329  
Delta R.T. -0.05 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 412243 |       |       |
| 226     | 27.0  | 21.7   | 32.5  |       |
| 229     | 19.5  | 16.0   | 24.0  |       |





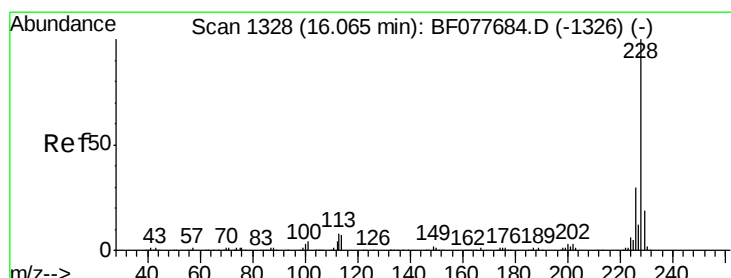
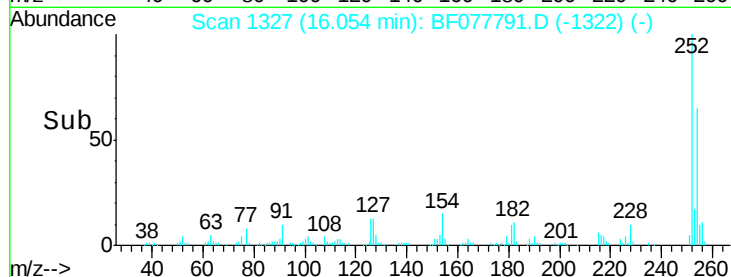
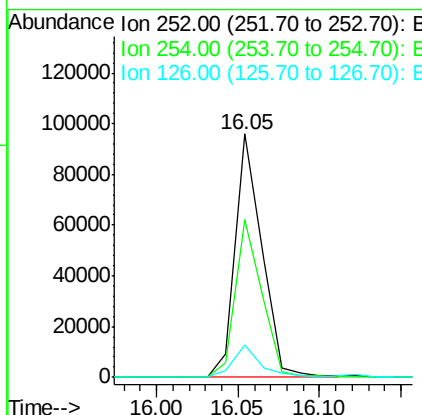
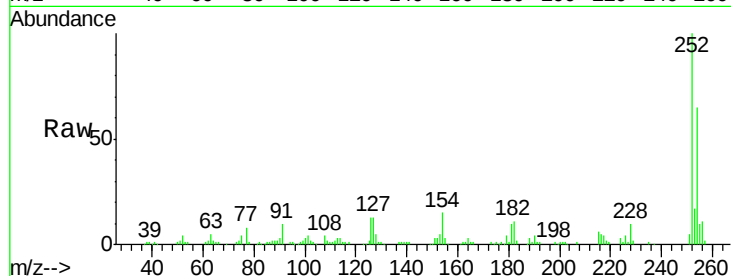
#81  
 3,3'-Dichlorobenzidine  
 Concen: 34.24 ng  
 RT: 16.05 min Scan# 1327  
 Delta R.T. -0.05 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.8  | 51.9       | 77.9  |
| 126     | 13.4  | 9.8        | 14.8  |

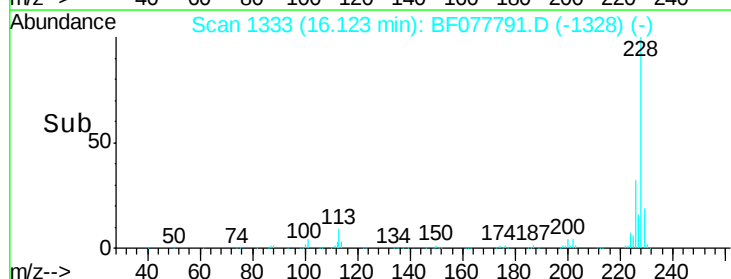
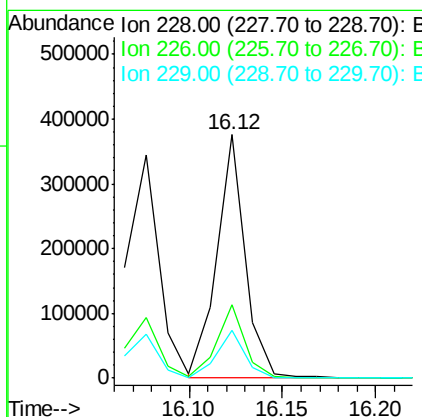
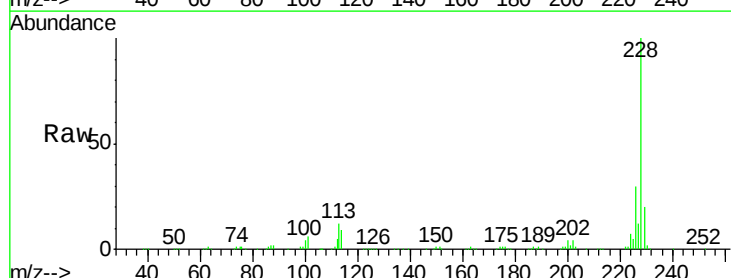
Manual Integrations  
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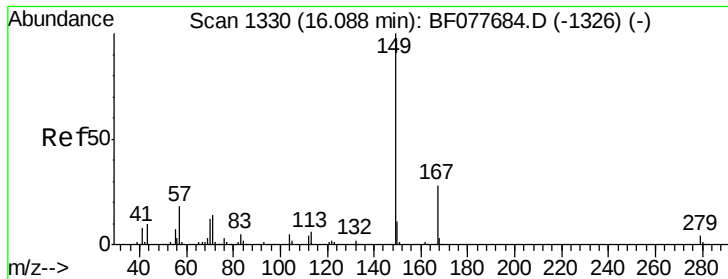
mohammad  
 3/20/2015 1:47:50 PM



#82  
 Chrysene  
 Concen: 45.84 ng  
 RT: 16.12 min Scan# 1333  
 Delta R.T. -0.05 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.9  | 24.1       | 36.1  |
| 229     | 19.6  | 15.5       | 23.3  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.83 ng

RT: 16.16 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

Instrument :

BNA\_F

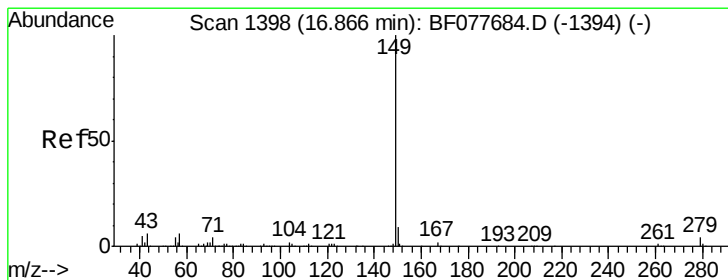
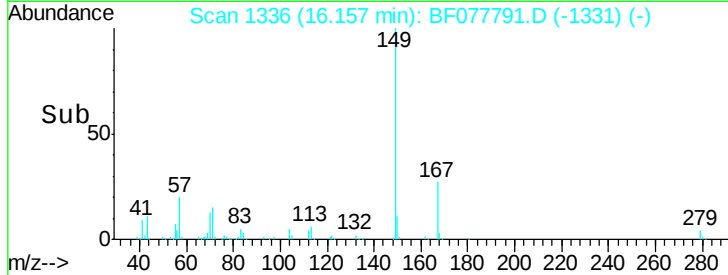
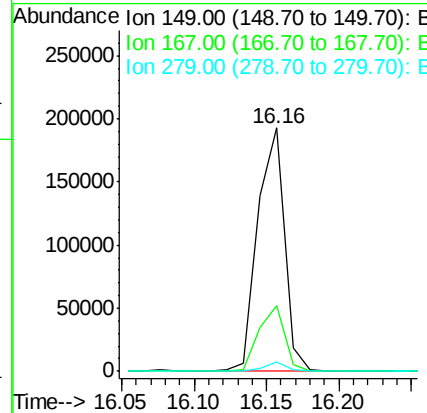
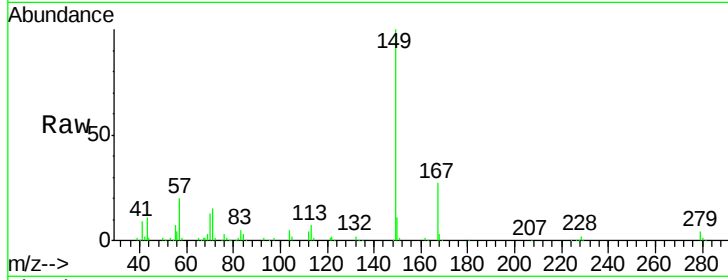
ClientSampleId :

PB82134BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 247677 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.0  | 22.4  | 33.6   |
| 279       | 3.6   | 3.4   | 5.0    |

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#84

Di-n-octyl phthalate

Concen: 39.76 ng

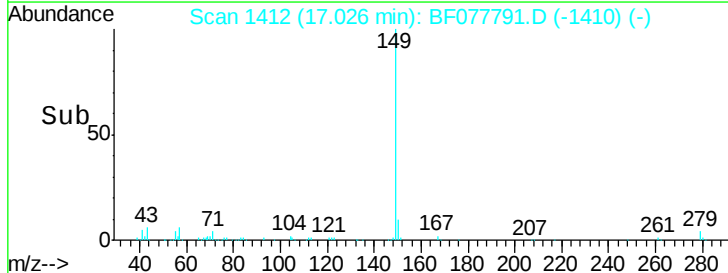
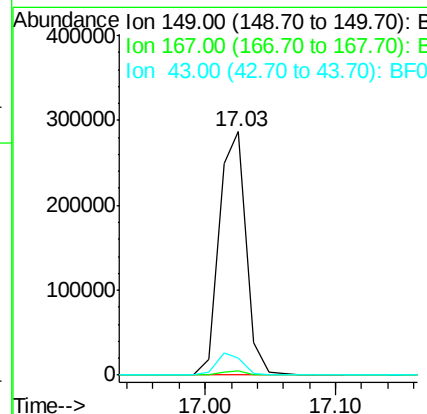
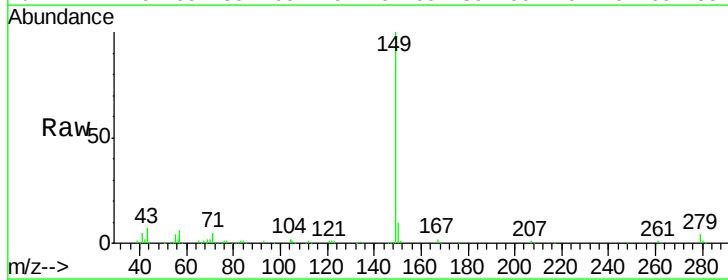
RT: 17.03 min Scan# 1412

Delta R.T. -0.08 min

Lab File: BF077791.D

Acq: 18 Mar 2015 9:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 412418 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.5   | 1.2   | 1.8    |
| 43        | 9.1   | 7.3   | 10.9   |





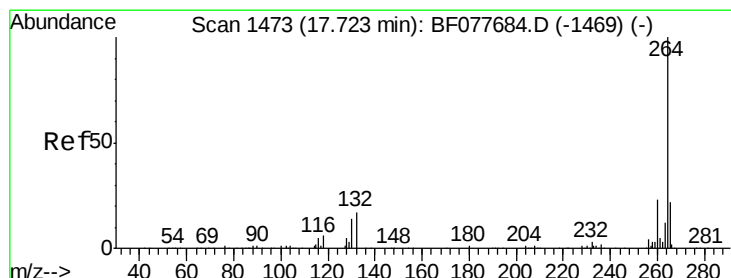
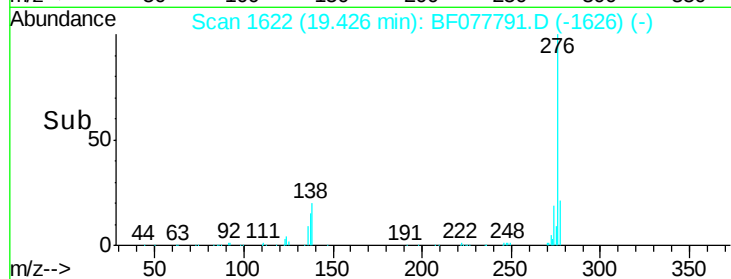
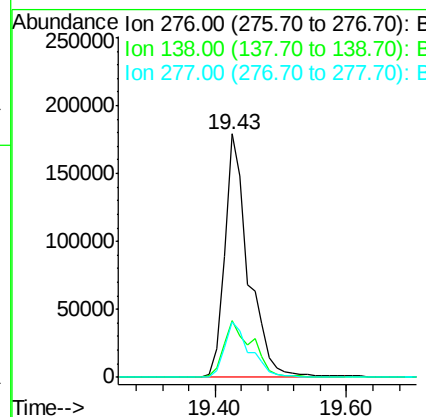
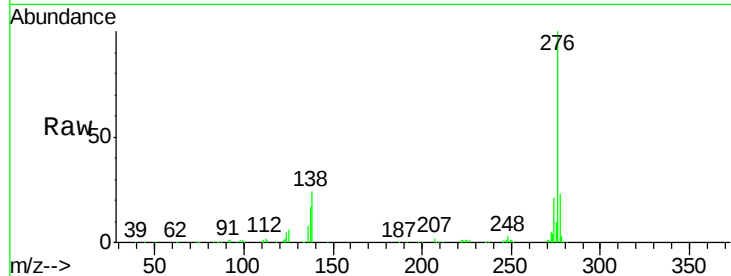
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.59 ng/ml  
 RT: 19.43 min Scan# 1622  
 Delta R.T. -0.15 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 276     | 100 |       |      |       |       |
| 138     | 0.0 | 0.0   | 0.0  |       |       |
| 277     | 0.0 | 0.0   | 0.0  |       |       |

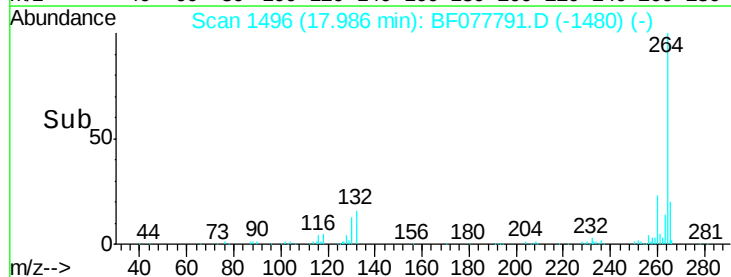
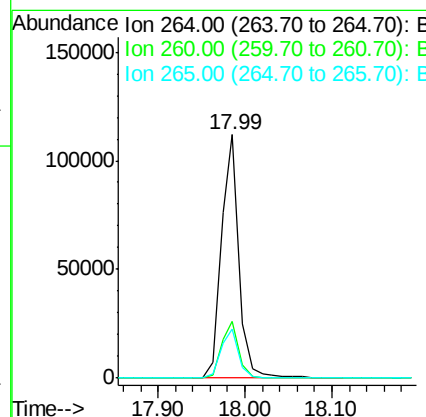
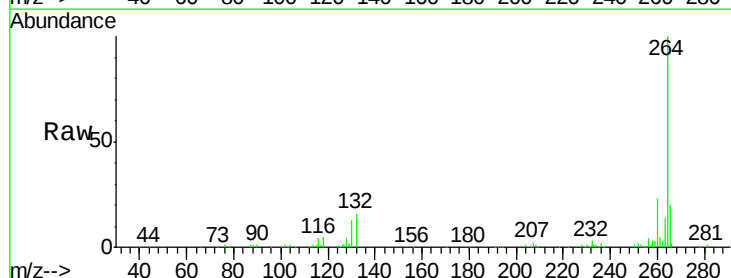
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.99 min Scan# 1496  
 Delta R.T. -0.11 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 264     | 100  |       |      |       |       |
| 260     | 23.3 | 18.6  | 27.8 |       |       |
| 265     | 20.4 | 17.3  | 25.9 |       |       |





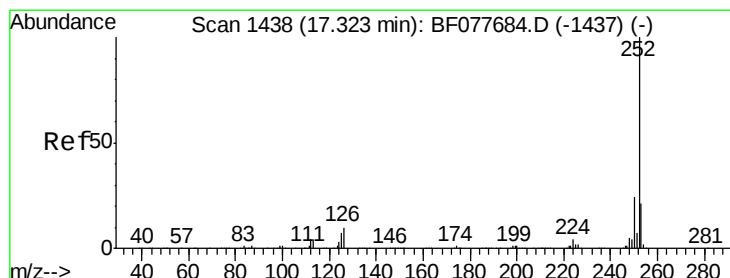
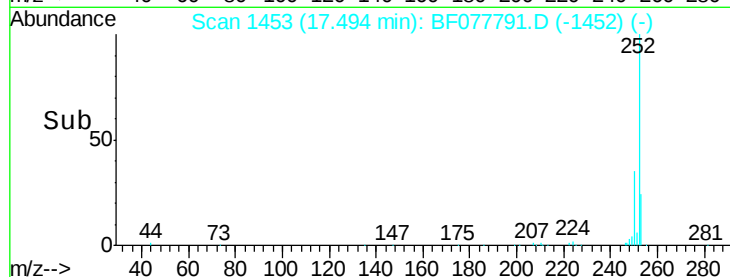
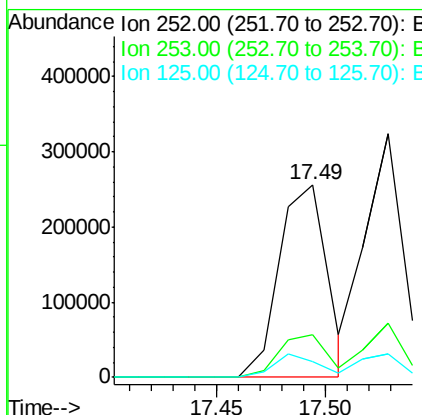
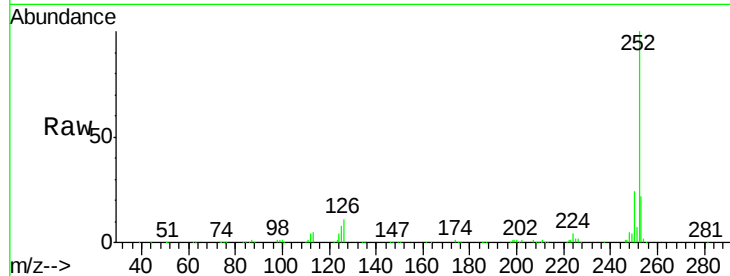
#87  
Benzo(b)fluoranthene  
Concen: 38.32 ng  
RT: 17.49 min Scan# 1453  
Delta R.T. -0.09 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 18.0  | 27.0  |
| 125     | 8.0   | 9.9   | 14.9  |

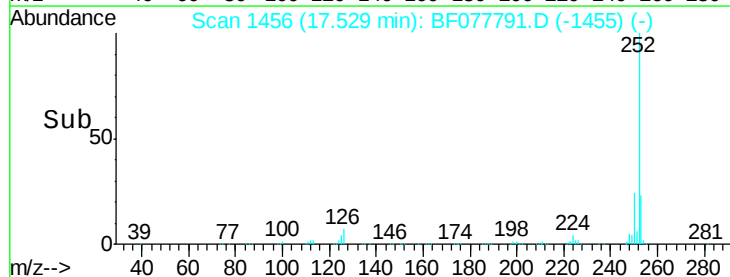
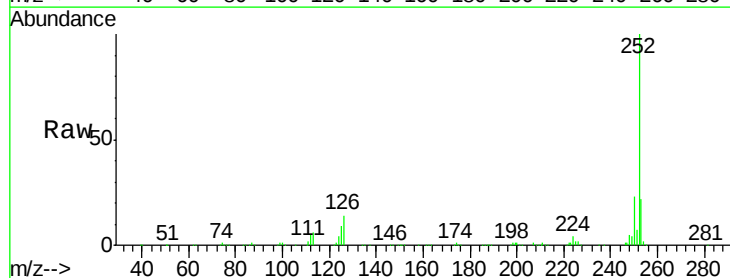
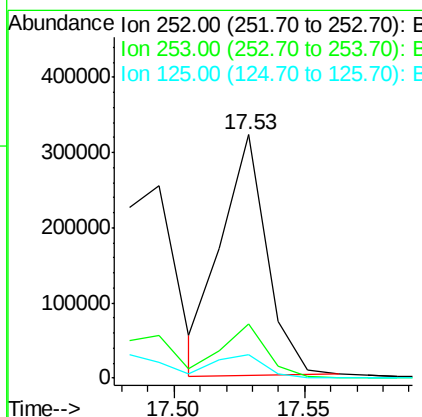
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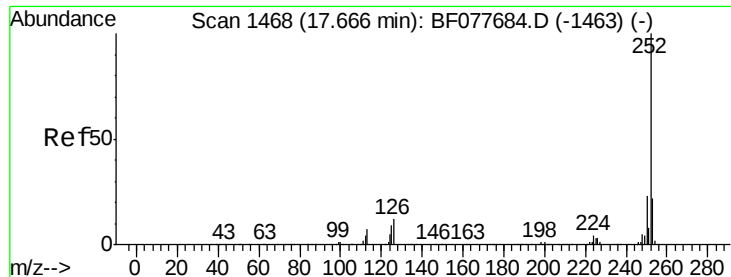
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#88  
Benzo(k)fluoranthene  
Concen: 48.29 ng  
RT: 17.53 min Scan# 1456  
Delta R.T. -0.09 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.2  | 25.8  |
| 125     | 9.4   | 8.1   | 12.1  |





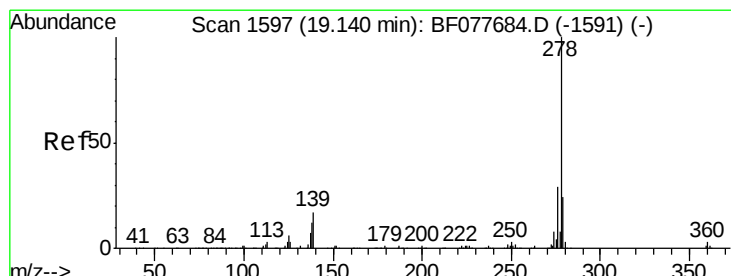
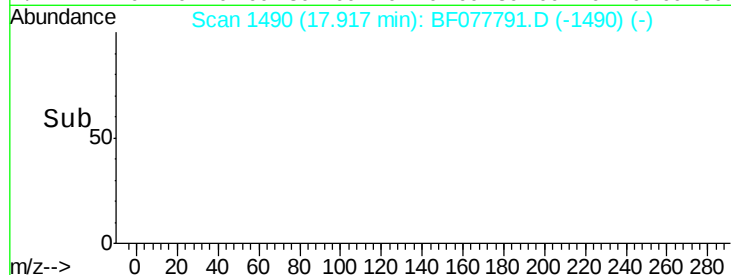
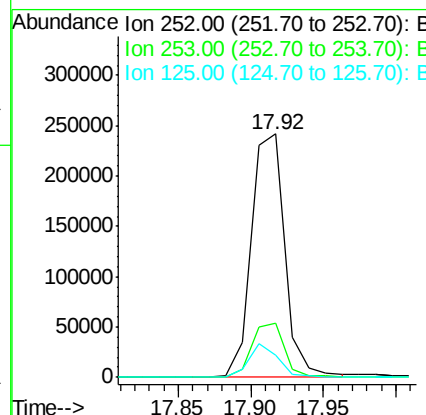
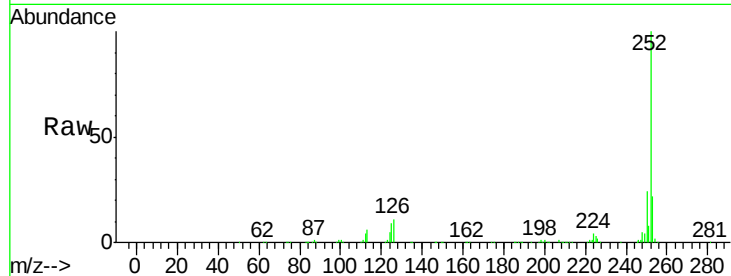
#89  
Benzo(a)pyrene  
Concen: 45.13 ng  
RT: 17.92 min Scan# 1490  
Delta R.T. -0.10 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

Instrument :  
BNA\_F  
ClientSampleId :  
PB82134BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.3  | 17.6       | 26.4  |
| 125     | 9.0   | 7.4        | 11.2  |

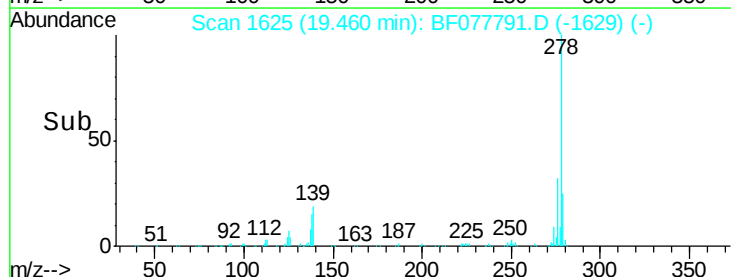
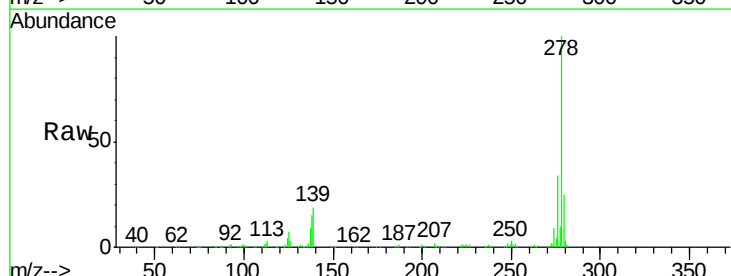
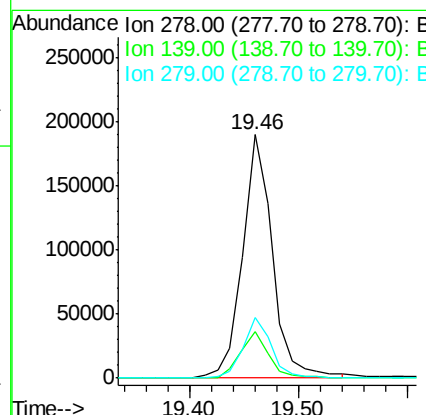
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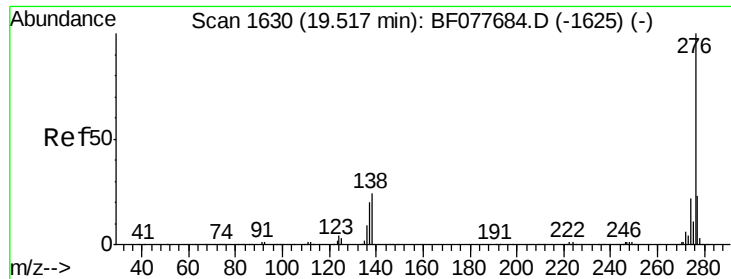
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#90  
Dibenzo(a,h)anthracene  
Concen: 41.71 ng  
RT: 19.46 min Scan# 1625  
Delta R.T. -0.15 min  
Lab File: BF077791.D  
Acq: 18 Mar 2015 9:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 278     | 100   |            |       |
| 139     | 18.9  | 13.4       | 20.0  |
| 279     | 25.0  | 19.0       | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 41.84 ng  
 RT: 19.85 min Scan# 1659  
 Delta R.T. -0.15 min  
 Lab File: BF077791.D  
 Acq: 18 Mar 2015 9:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82134BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 363175 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.7 | 18.5  | 27.7   |
| 138       | 23.3 | 19.0  | 28.6   |

Manual Integrations  
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