Rotate a Group of Atoms around a Bond

1) Select the group you want to rotate, including the bond you wish to rotate the group around.

2) Type 'mode fit'. The selected group now has changed colour a bit.

3) Right-click on the bond around which you want to rotate once (this 'activates' this bond)

4) Left-click on the bond, then move the mouse while holding down the left mouse button.

You also may wish to experiment with activating (right-click) other atoms, and holding down the SHIFT and CTRL keys while moving the mouse in the last step.

There are other options available for this command:

mode fit -s

will work exactly as above, but both, the original atom position as well as the new ones will be kept in the model, assigned appropriate parts and their occupancies will be linked.