

### **3.2.1 Effect of combination on candesartan**

As shown in figures 11 to 13, when candesartan was administered alone its serum level reached its maximum (964.692 ng/ml) after half an hour and then gradually declines to reach a minimum concentration of (272.679 ng/ml) after 6 hours from the administration of candesartan.

The same drug when administered combined with orange makes slightly increase in serum concentration levels... It reaches its maximum serum concentration after half an hour (1253.163 ng/ml) and then gradually declines to reach a minimum concentration after 6 hours (253.149 ng/ml).

And when candesartan administered was combined with liquorice makes slightly decrease in serum concentration levels. It reaches its maximum serum concentration after half an hour (818.2868 ng/ml) and then gradually declines to reach a minimum concentration after 6 hours (276.4665 ng/ml).

But the combination of candesartan and pomegranate shows a decrease in serum concentration approximately the half the concentrations when candesartan is given alone. At the first half an hour of administration it reaches its maximum serum concentration (475.9673 ng/ml) and then gradually declines to reach a minimum concentration of (188.1737 ng/ml) at the end of follow up period (6 hours).