3.2 Serum validation

3.2.1 Intra-day validation

3.2.1.1 Accuracy

Validation for days 1-3

Accuracy % range of the six replicates of LLOQ for days 1, 2 and 3 were (100.16%-107.06%), (104.78%-110.15%) and (101.24%-103.96%), respectively. Regarding accuracy % values of QC low six replicates for days 1, 2 and 3 they were (98.36%-101.84%), (98.27%- 104.24%), and (98.75%-104.24%), respectively. The accuracy % values of the six replicates of QC mid were (101.98%-103.43%), (99.28%-101.62%), and (97.00%-101.85%) for days 1, 2 and 3, respectively, whereas accuracy % values of QC high were (103.17%/105.59%), (100.49%-102.36%) and (96.43%-104.40%) for day 1, 2 and 3, respectively. Highest accuracy % of mean predicted value was shown by QC high, LLOQ and QC low of 104.43%, 107.46% and 102.40% for day 1, 2 and 3, respectively. By contrast, the lowest accuracy % of mean predicted value was obtained by QC mid for both day 2 and day 3 of 100.32%, 100.28%, respectively, while QC low was the lowest accuracy % for day 1 of 99.52% **(Tables 3.25, 3.26 and 3.27).**