Figure 15 : Linearity results of level 150

Both drugs, esomeprazole and tadalafil R^2 values are within the accepted range, and the calibration curve equation gave a good linearity curve for both of them coupled with shown chromatograms for each level indicate the linearity test is validate.

3.4 Accuracy

In order to estimate the accuracy, samples at three different concentrations levels 50%, 100%, and 150% were analyzed, in each level of concentration the injection is triplicate in comparison to standard sample, as shown in tables (12,13).
The % of recovery equation: % Accuracy= (recovered amount / actual amount) X 100
The accepted limits of recovery are 98%-102% according to USP.

Table (12): Results of Accuracy of Esomeprasole.

Concentration %	50%	100%	150%
Area	6548275	1315487	1969204
Assay %	99.40	100.36	100.31
RSD%	0.34	0.16	0.04