

CHAPTER V

5.1 RESULTS : COMPOSITION OF THE SAMPLES

5.1.1 X-RAY FLUORESCENCE STUDIES :

In figs. 6,7,8, 9 and 10 of XRF spectra for potato it is seen that Iron exists in KA which is distinct peak in 96 degree of 2Theta value, Calcium exist in KA which is distinct peak in 113 degree of 2Theta value, Potassium is found in KB and KA of peaks 118 and 136 degree respectively of 2Theta values. Chlorine exists in KA which is distinct peak in 93 degree of 2Theta value, Silicon exists in KB, KB1, KA3 and KA having peaks at 101, 101.3, 108 and 109.2 degrees respectively of 2Theta values, Sulphur occurs at KA having peak at 110.5 degree of 2Theta value. Phosphorus exists in KB, SKA3 and KA1 at peaks 125, 139 and 141 degree respectively of 2Theta values, Magnesium and Sodium exists in KA having 2Theta value peaks at 23 and 28 degrees respectively. Oxygen occurs in KA having peak at 56.5 degree of 2Theta value.

XRF spectra for apple was not obtained as sample preparation could not be done.

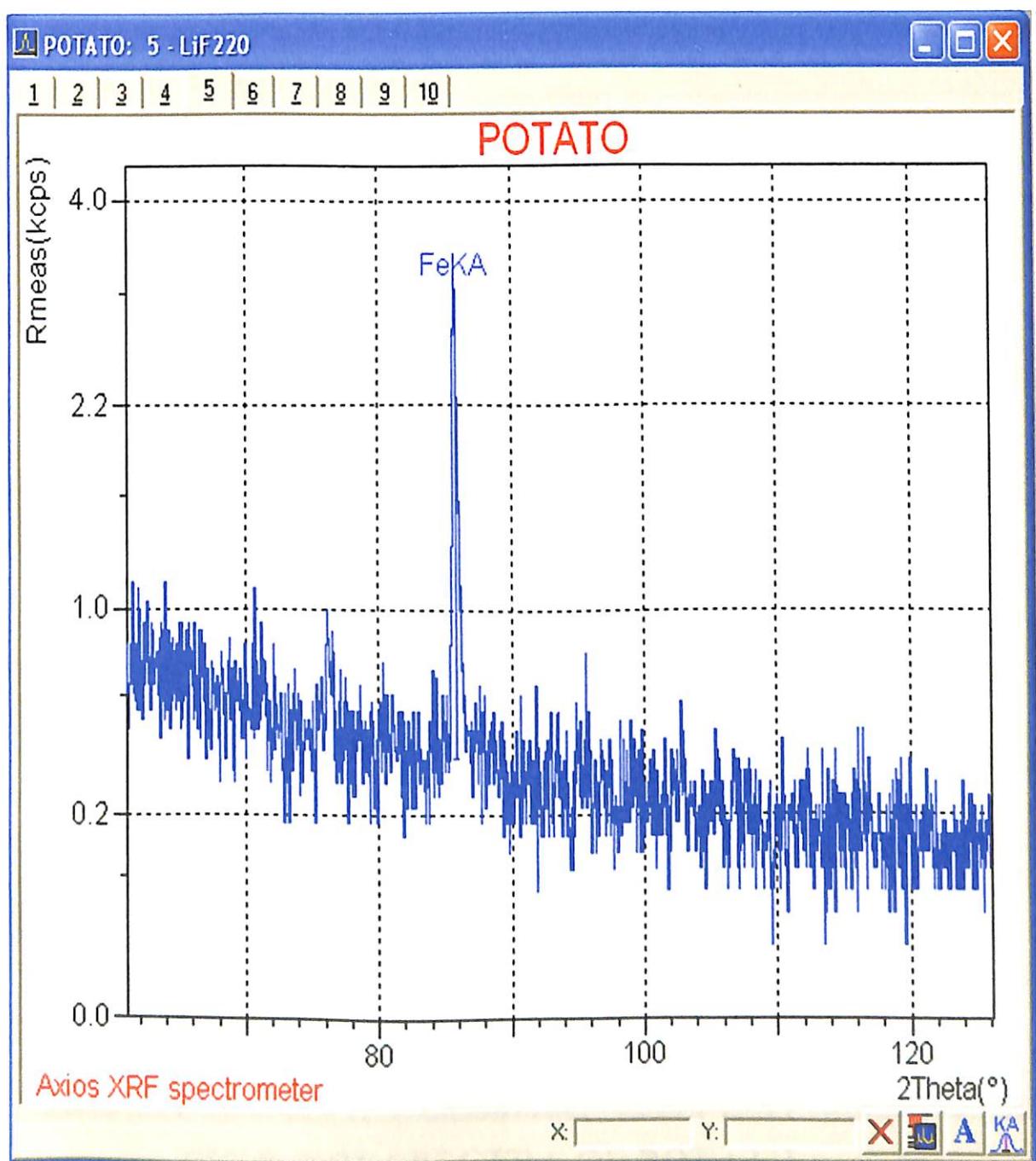
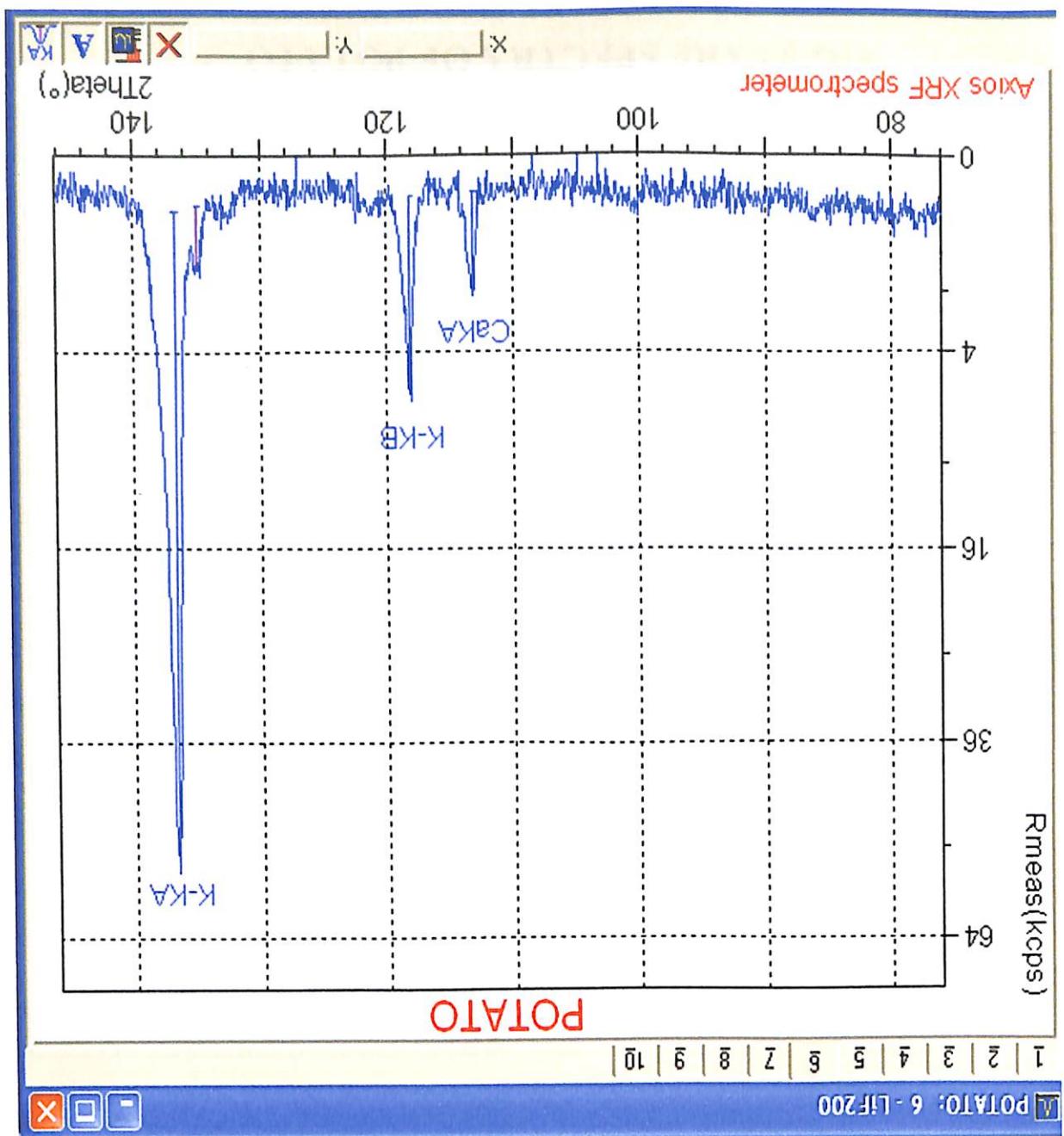


FIG. 6 : XRF SPECTRA OF POTATO

FIG.7: XRF SPECTRA OF POTATO



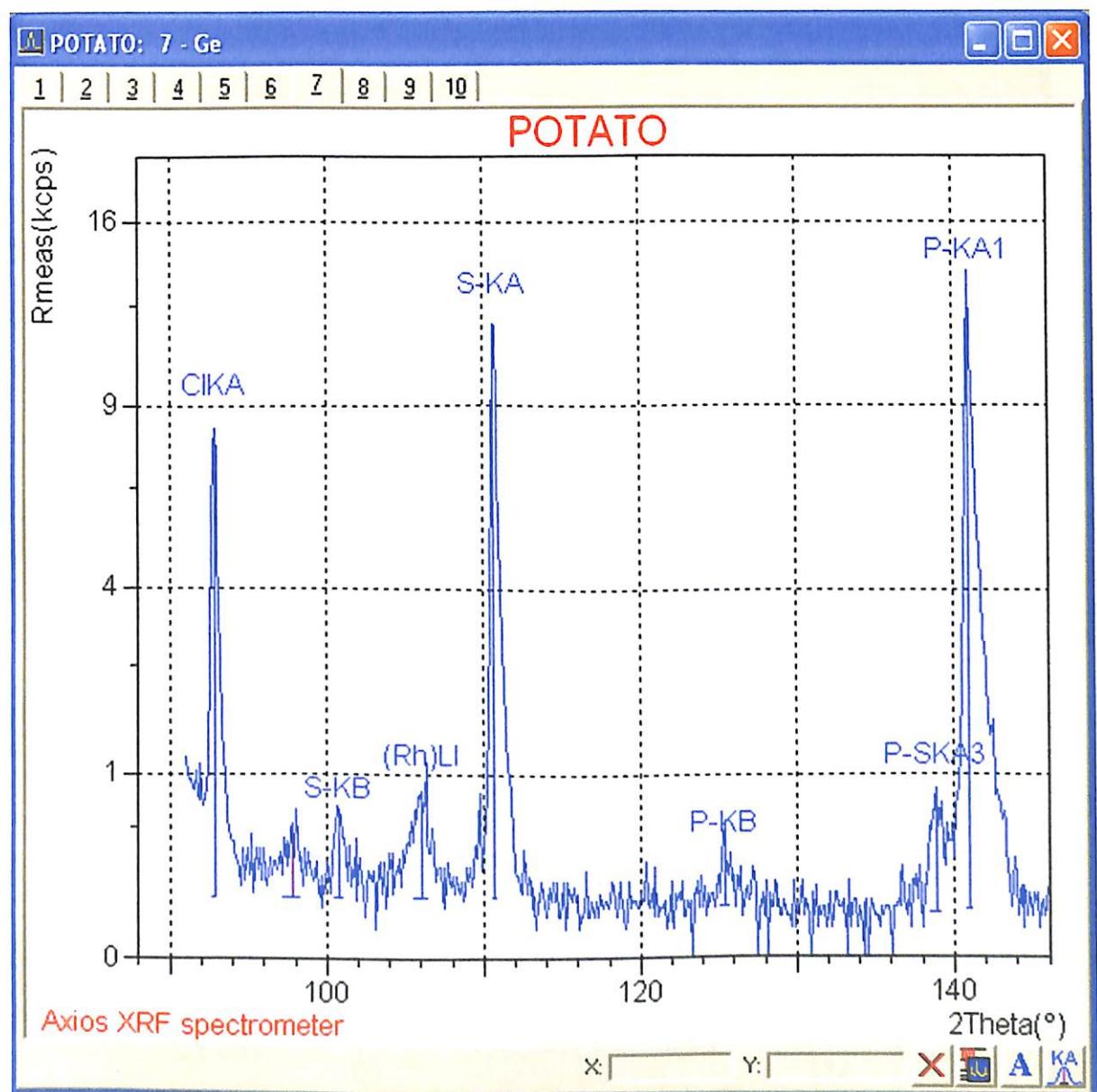


FIG.8 : XRF SPECTRA OF POTATO

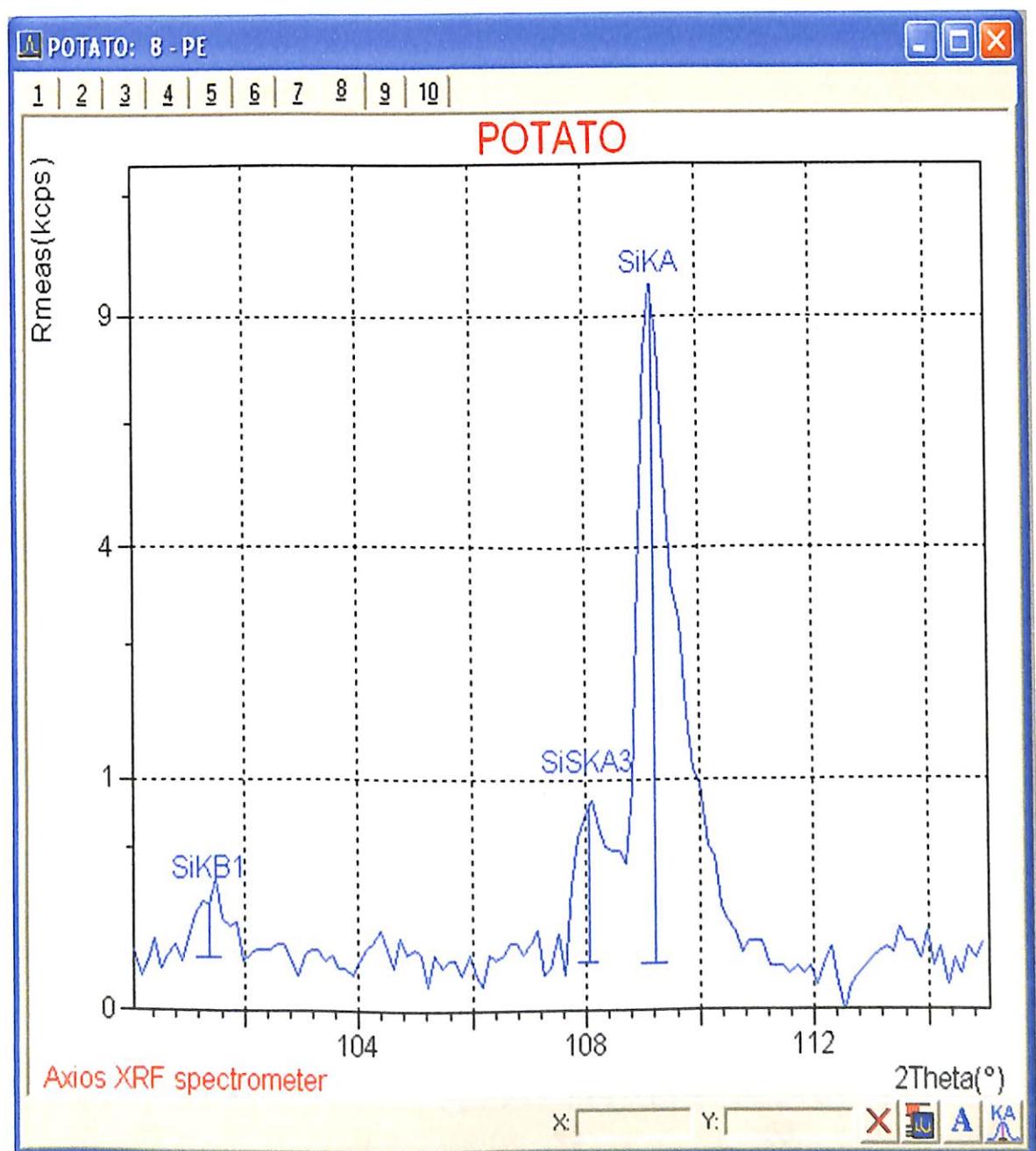


FIG. 9 : XRF SPECTRA OF POTATO

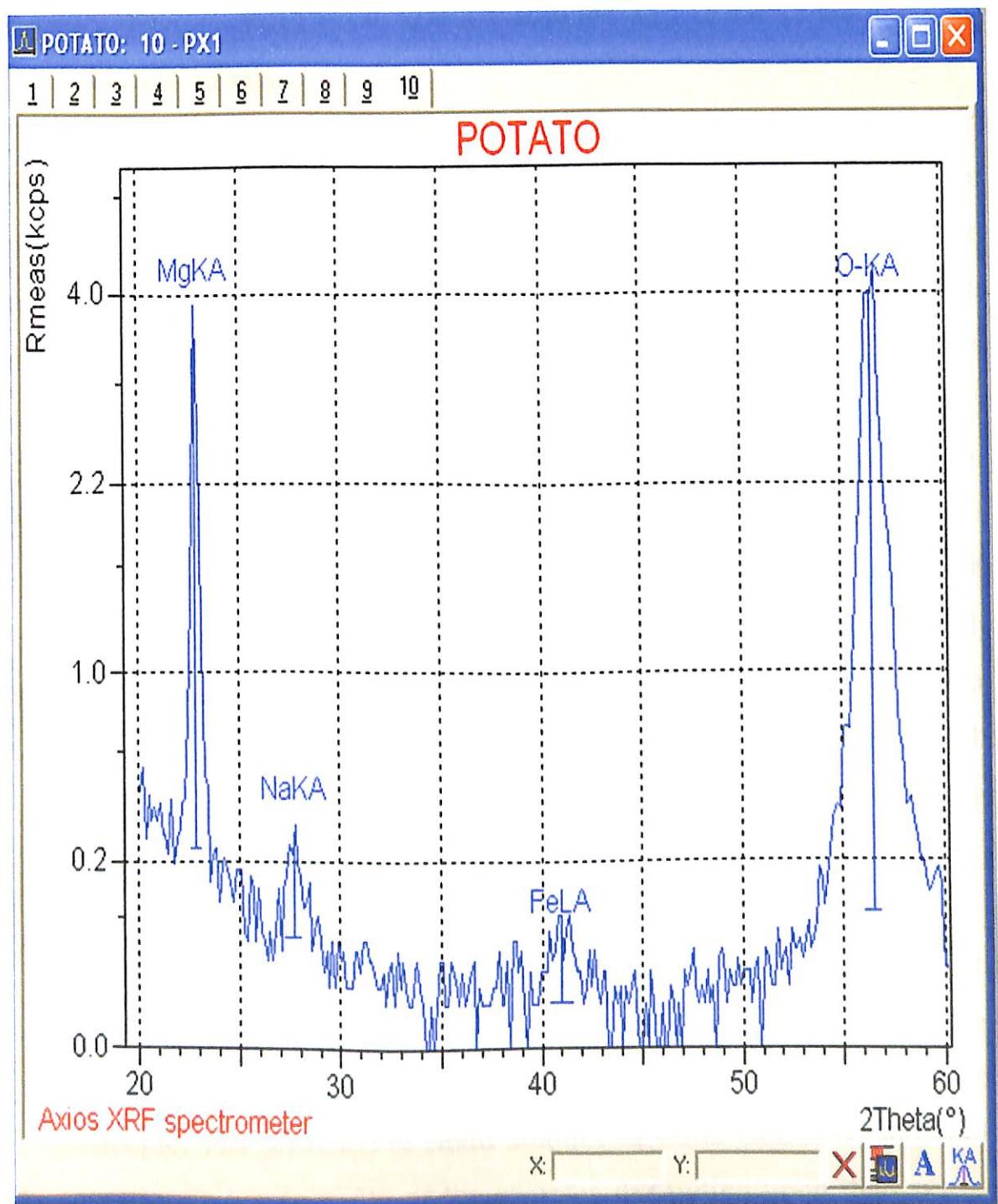


FIG.10 : XRF SPECTRA OF POTATO