**Figure 1**: Antibacterial activity of TTX extracts of liver, skin and muscles isolated from Puffer fish, *L. sceleratus* with some gram positive bacteria againstAmpicillin (standard).

**Figure 2**: Antibacterial activity of TTX extracts of liver, skin and muscles isolated from Puffer fish, *L. sceleratus* with some gram negative bacteria against Gentamycin (standard).

**Figure 3**: Antifungal activity of TTX extracts of liver, skin and muscles isolated from Puffer fish, *L. sceleratus* with some fungi strains against fluconazole (standard).

**Figure 4**: Seasonal TTX levels in different tissues isolated from males of Puffer fish, *L. sceleratus* (µg/g) using LC/MS/MS.

**Figure 5**: Seasonal TTX levels in different tissues isolated from females of Puffer fish, *L. sceleratus* (µg/g) using LC/MS/MS.



**Figure 6**:HPLC analysis of TTX in the liver of toxic Puffer fish, *Lagocephalus sceleratus* from Mediterranean sea, Egypt.



 **Figure 7**:HPLC analysis of TTX standard (Authentic TTX).



**Figure 8**:UV absorption spectra of TTX fraction from liver of Puffer fish, *Lagocephalus sceleratus* inhabiting Mediterranean sea, Egypt.



**Figure 9**:UV absorption spectra of TTX standard (Authentic TTX) fraction.