

Fig.S1. The ultraviolet absorption spectra of PBITS-LCA in acetonitrile, THF, ethanol, methanol and DMF.

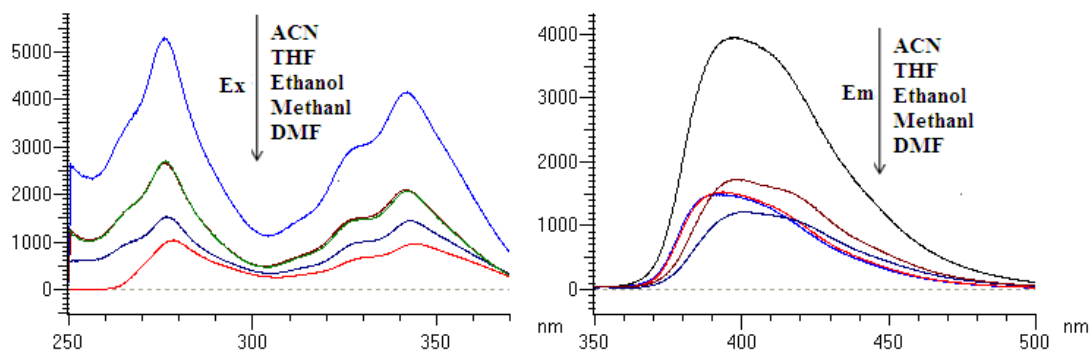


Fig.S2. The excitation and emission fluorescence spectra of PBITS-LCA in the five solvents

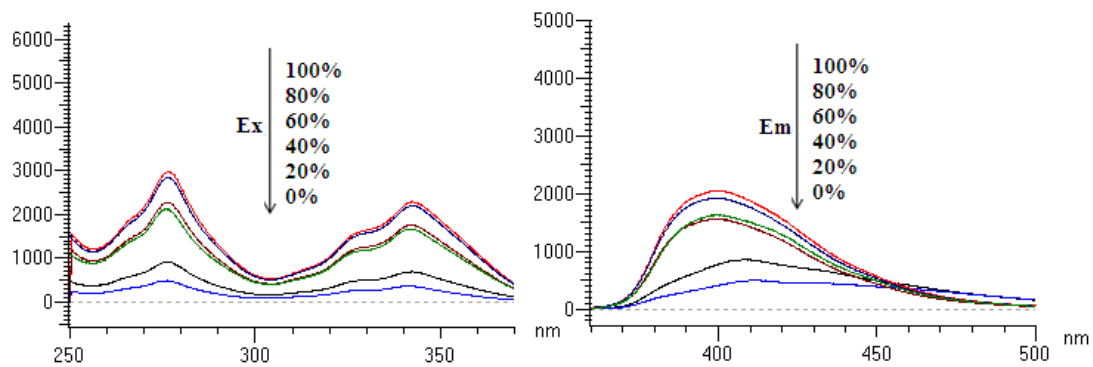
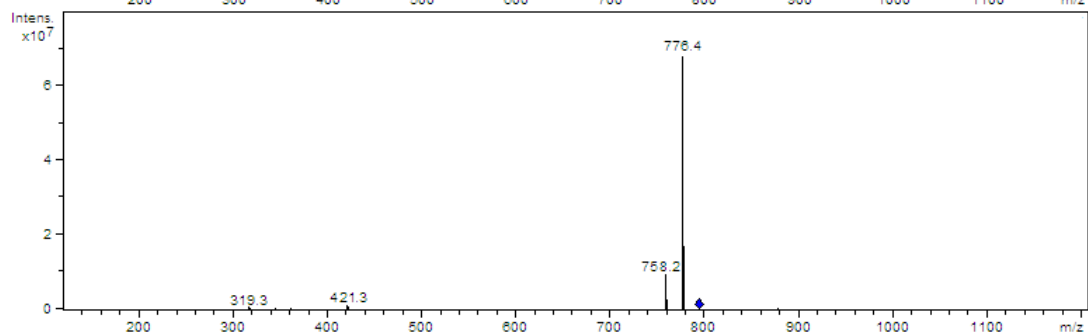
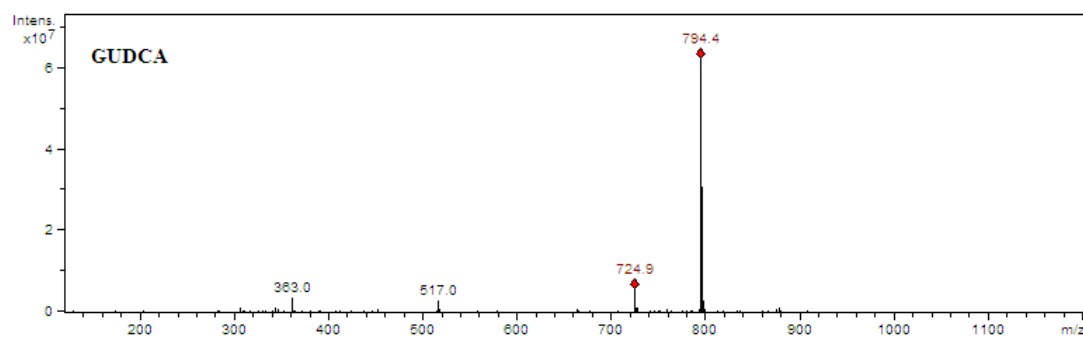
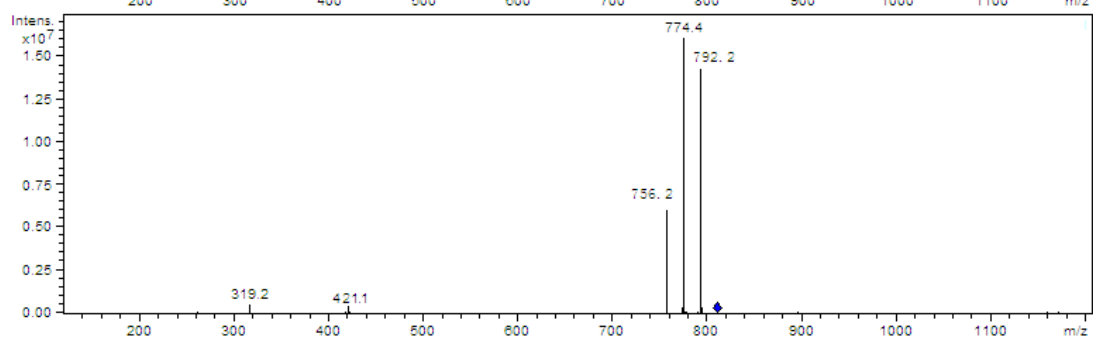
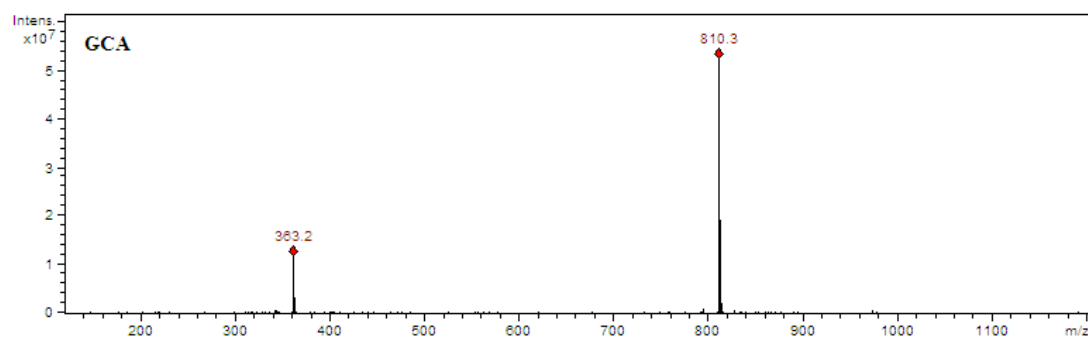
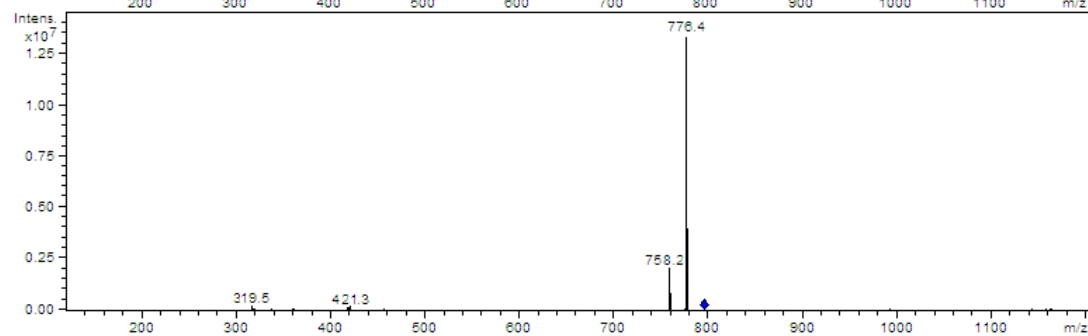
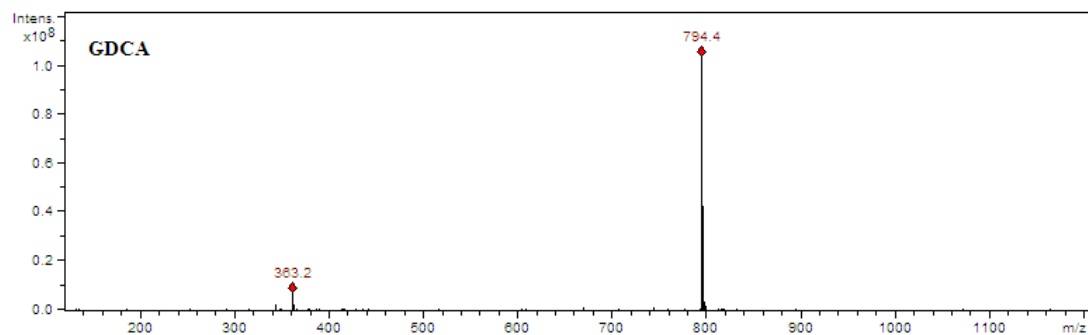
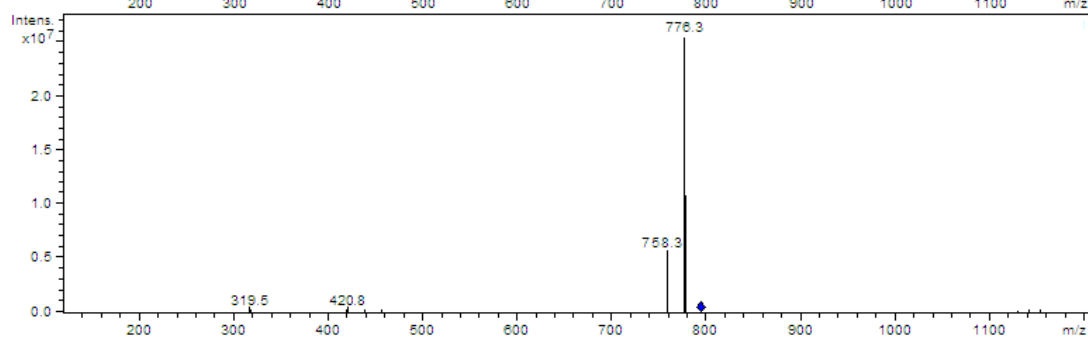
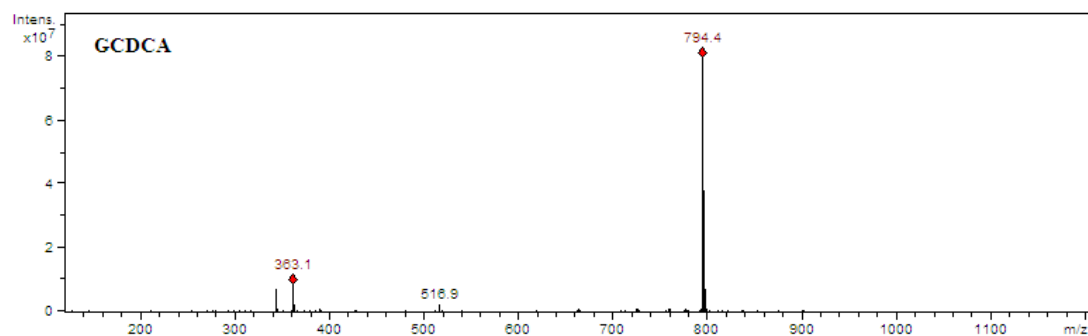
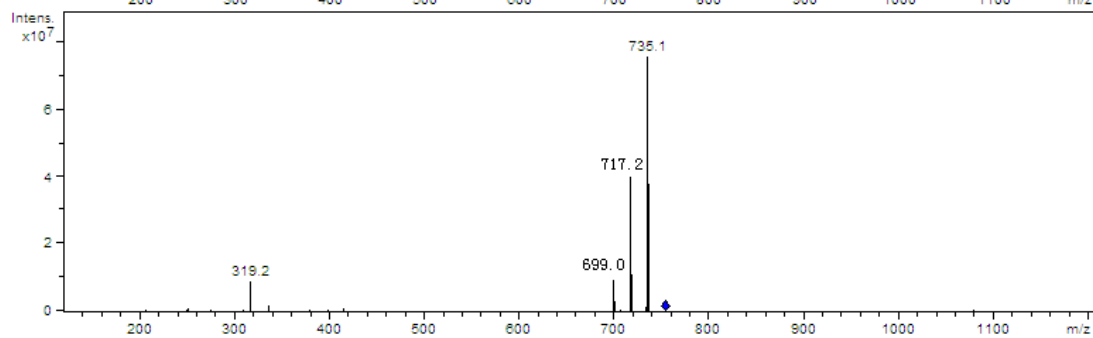
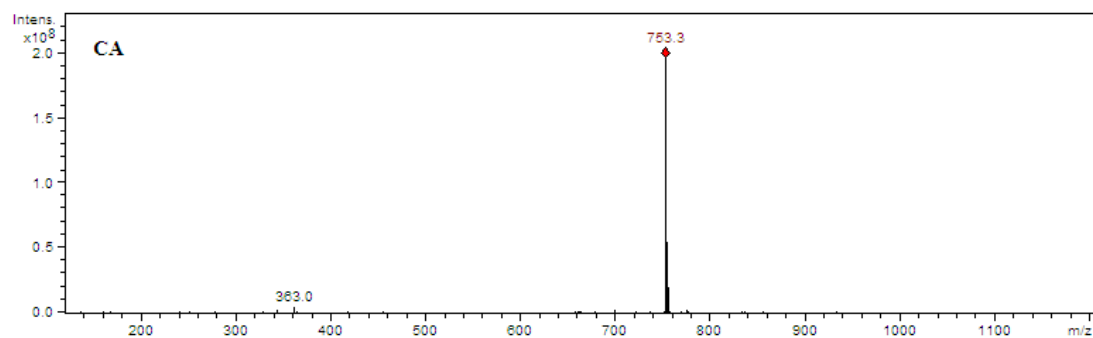
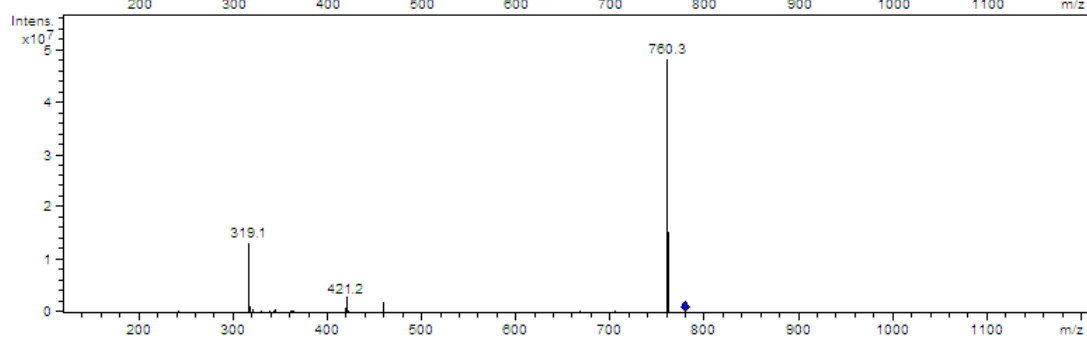
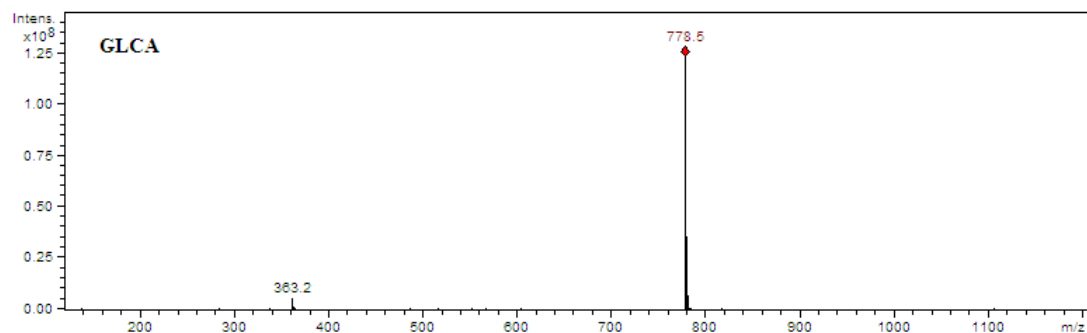
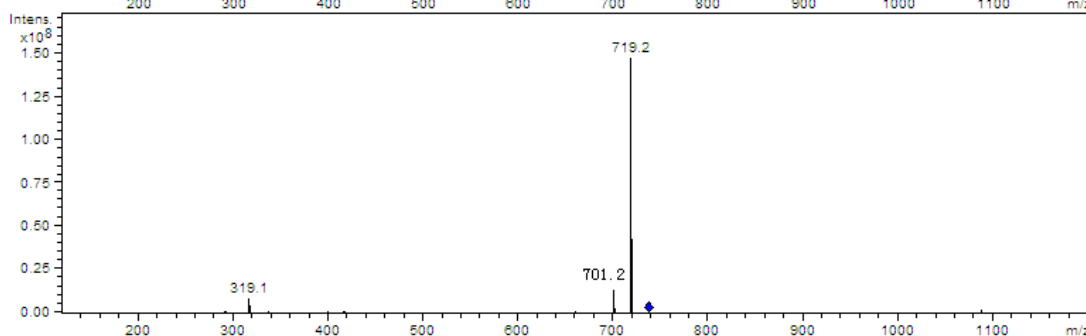
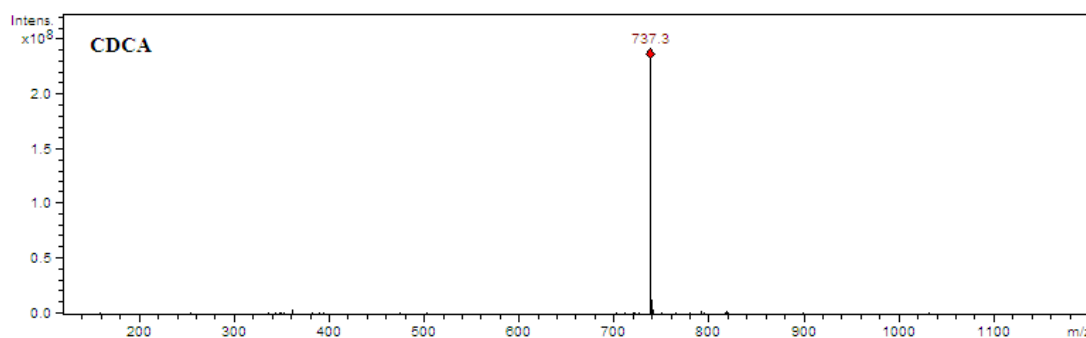
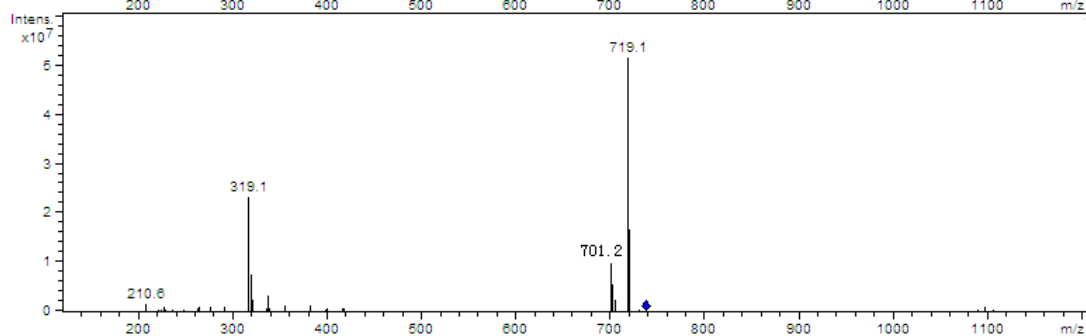
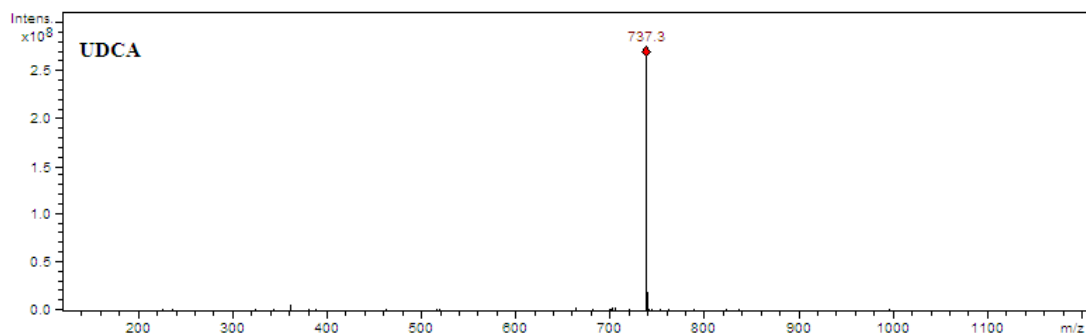


Fig.S3. The excitation and emission fluorescence spectra of PBITS-LCA in the acetonitrile solution (0-100%)









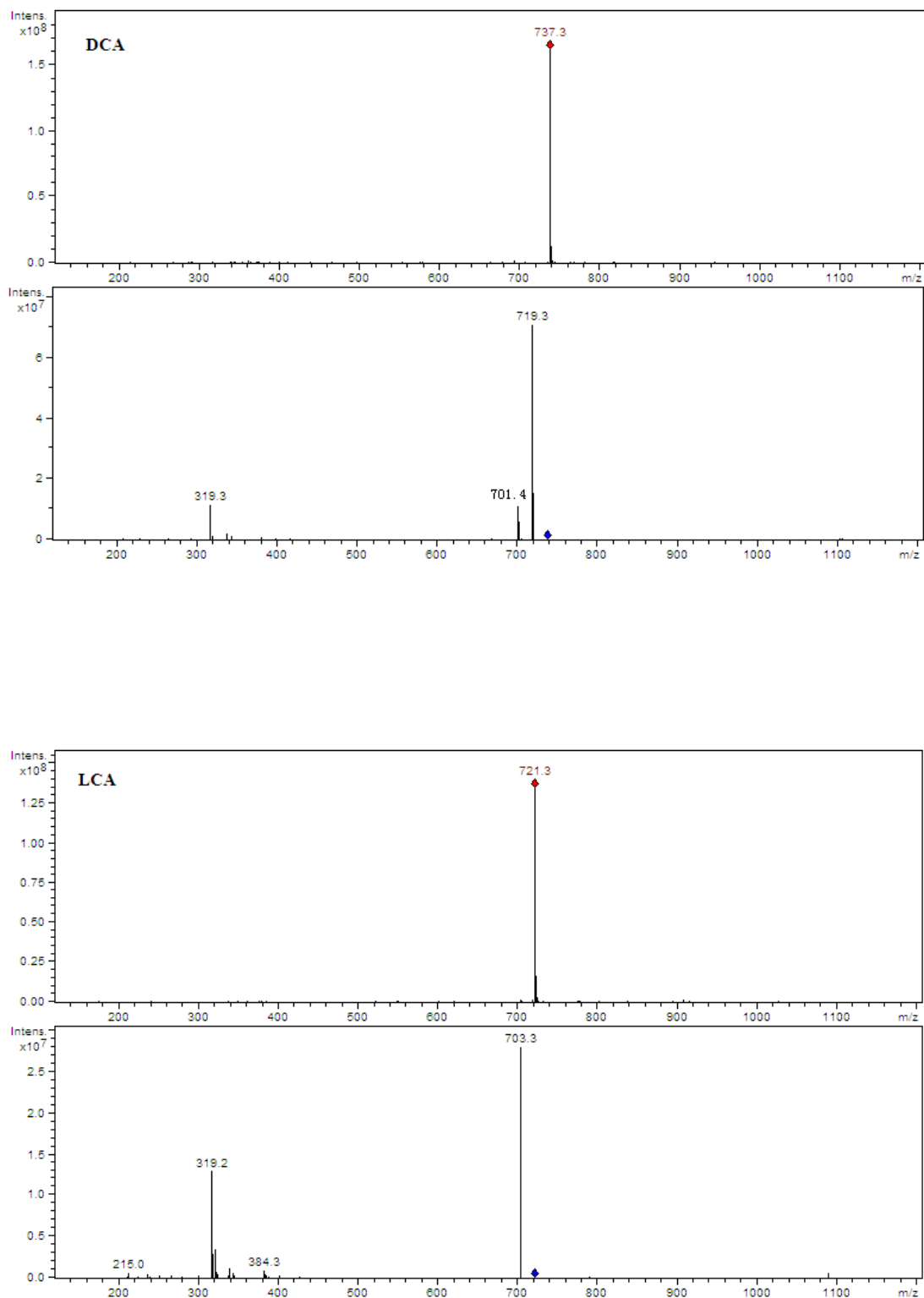


Fig.4-13. The MS and MS/MS spectra of the derivative PBITS-GCA, PBITS-GUDCA, PBITS-GCDCA, PBITS-GDCA, PBITS-GLCA, PBITS-CA, PBITS-UDCA, PBITS-CDCA, PBITS-DCA and PBITS-LCA.