Supplementary Information

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Supplement: Oxidative degradation of gentamicin present in water by an electro-Fenton process and biodegradability improvement

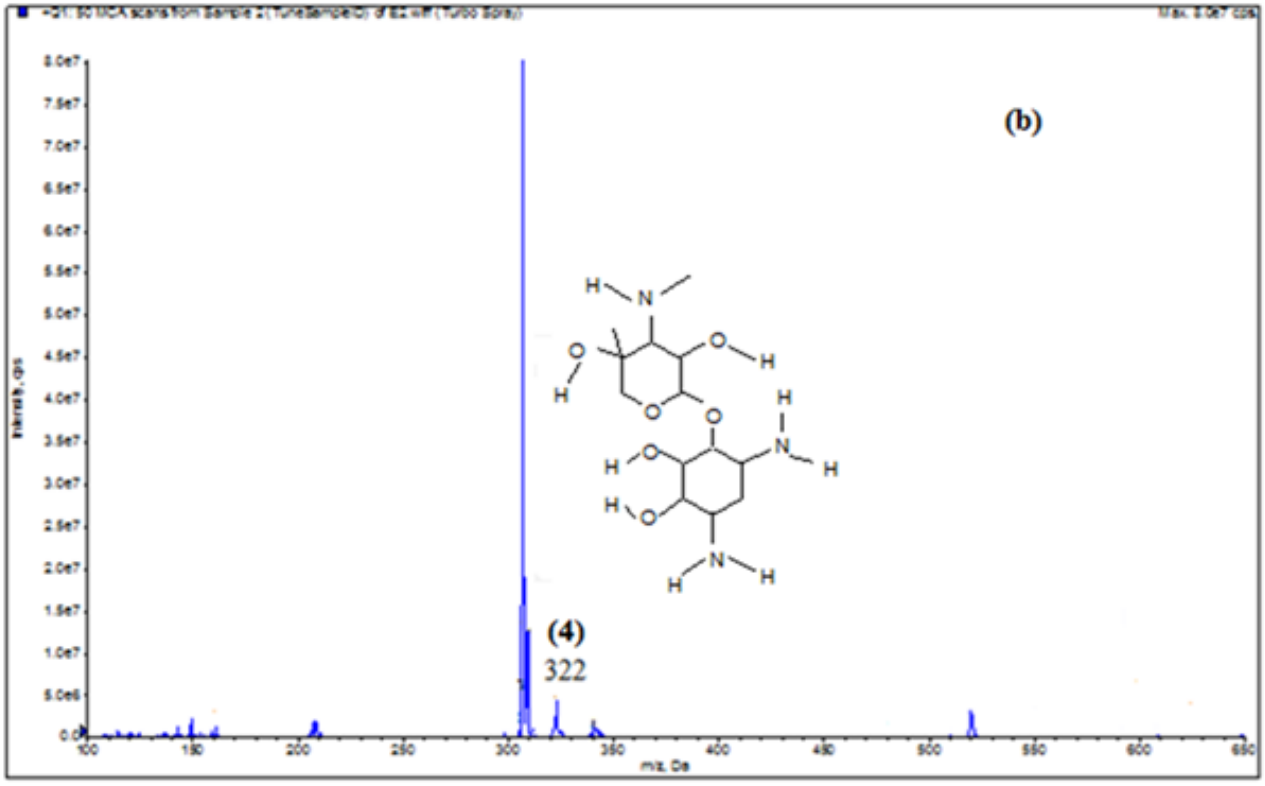
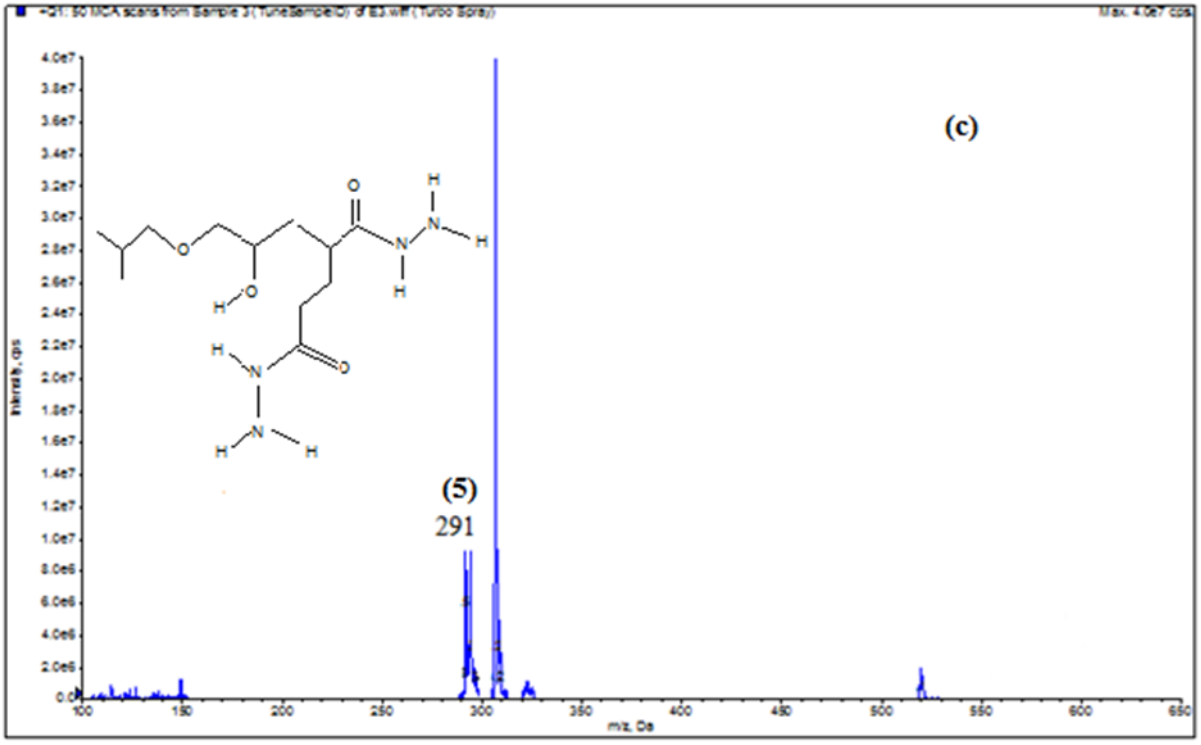


Figure SI-1: Chromatograms showing the diminution of the existence of the gentamicin in the solution during the first 40 min of treatment by electro-Fenton process. [Fe^{2+}]=0.5 mM, I = 60 (mA / cm^2) , [Na_2SO_4] = 0.05 M, V = 200 ml.



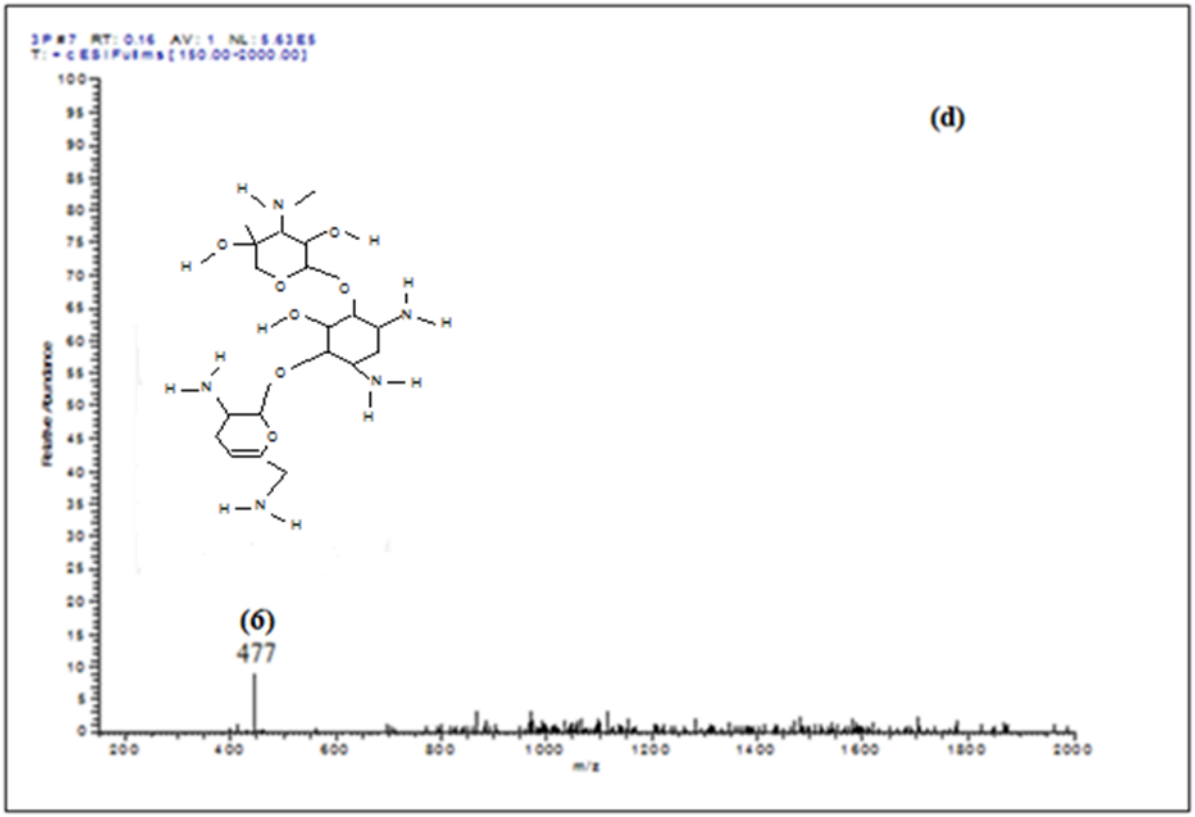


Figure SI-2: (a, b, c, d) Mass spectra of intermediate products in the solution during 60 min by electro-Fenton process of the gentamicin. $[Fe^{2+}]$ = 0.5 mM, I = 100(mA / cm2) , $[Na_2SO_4]$ = 0.05 mM, pH 3.