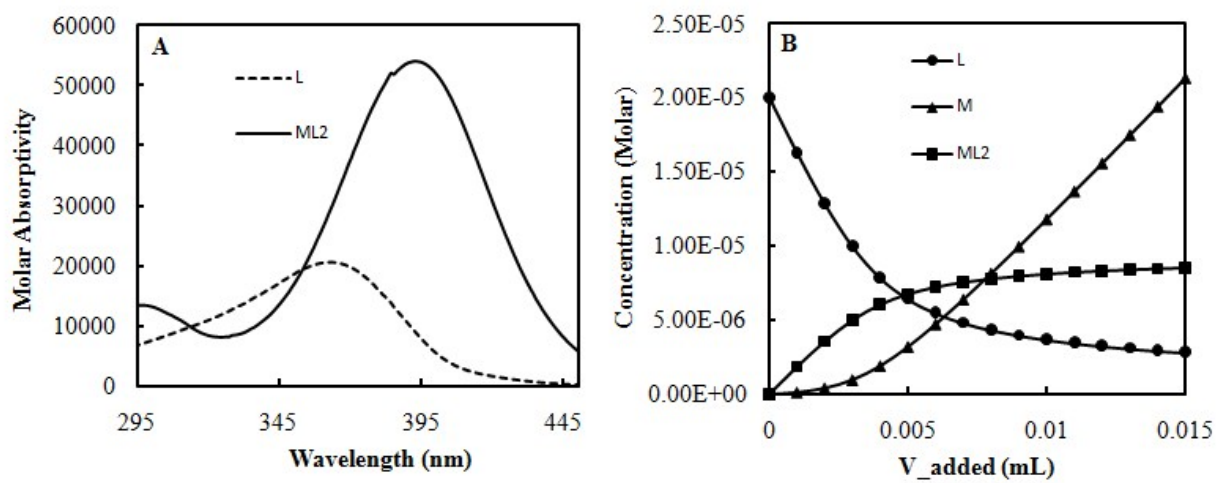


## Electronic Supplementary Information

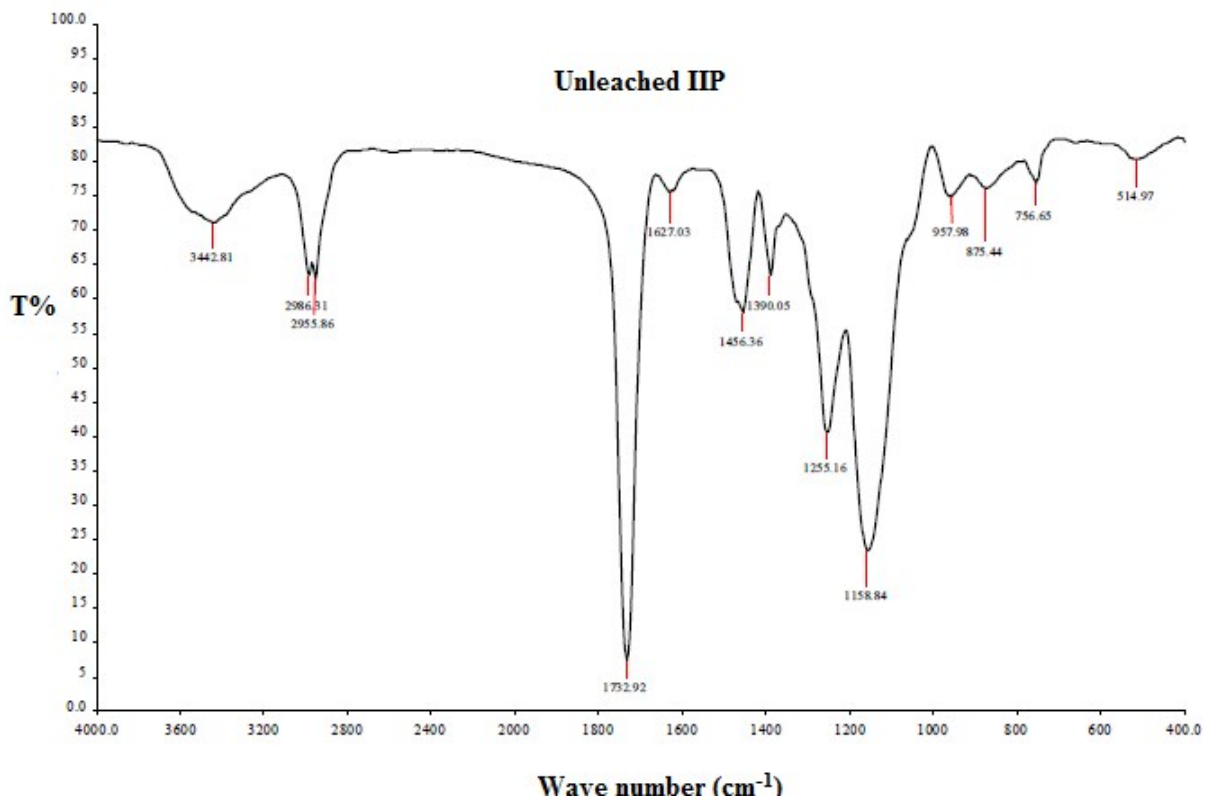
**Table ESI 1**

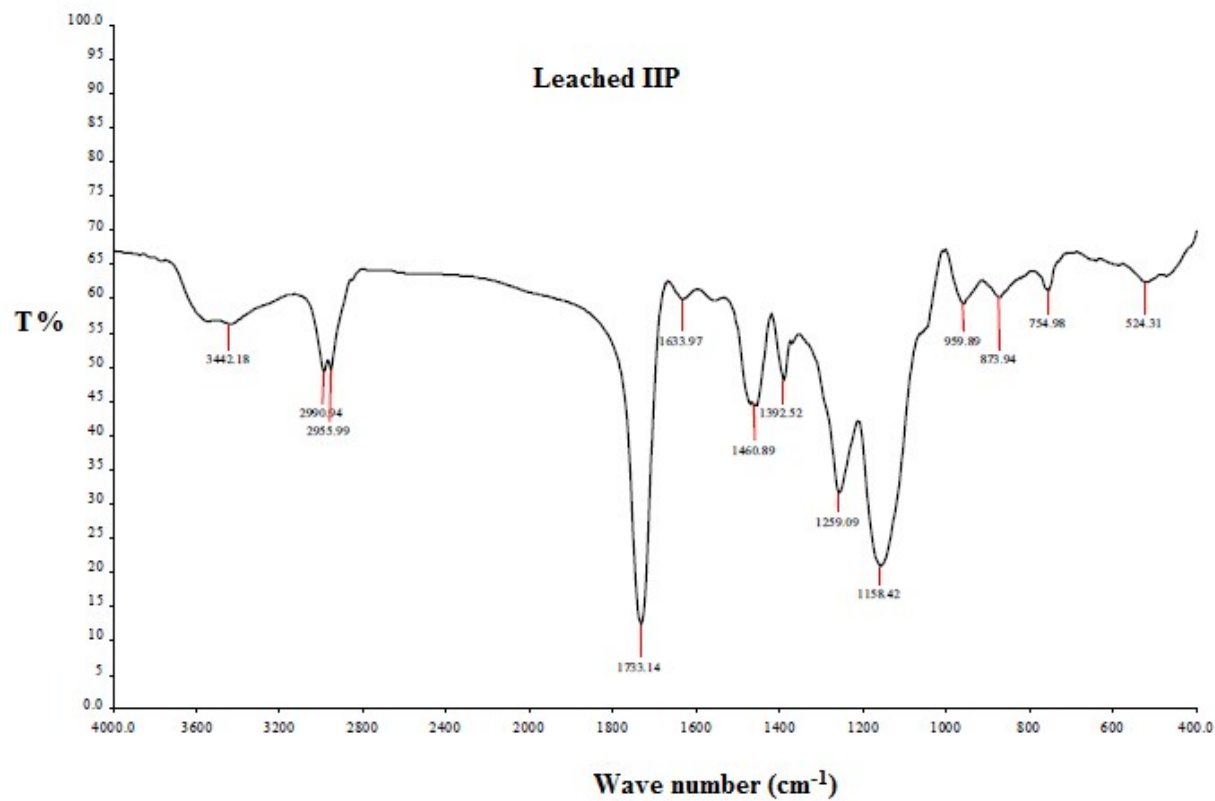
The graphite furnace temperature program for mercury determination

Step	Temperature (°C)	Ramp time (s)	Hold time (s)
Drying	90	5	20
Drying	105	3	20
Drying	110	2	10
Pyrolysis	300	250	10
AZ*	300	0	4
Atomization	1000	1500	3
Clean out	2300	500	4



**Fig. ESI 1** Spectral (A) and concentration (B) profiles for the species in the complex formation between mercury and ligand.





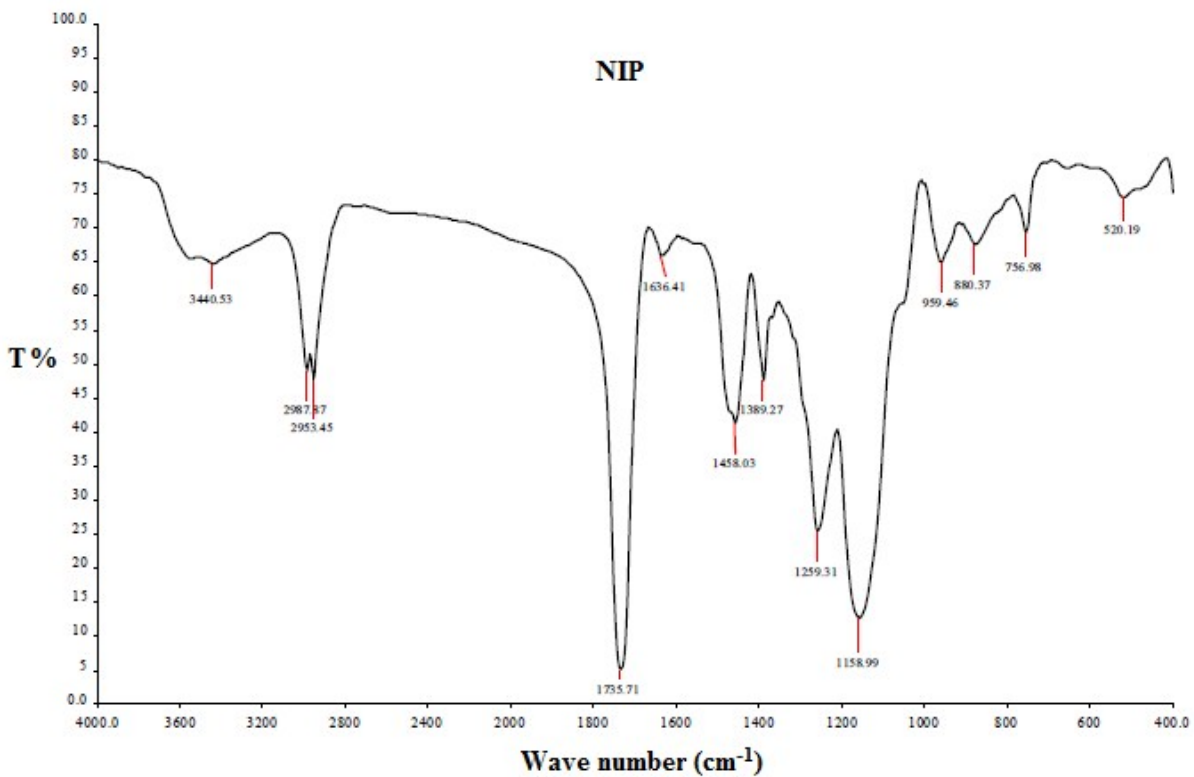
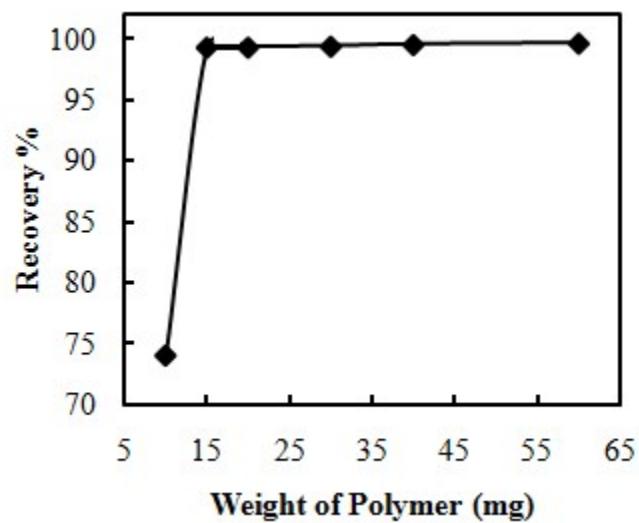
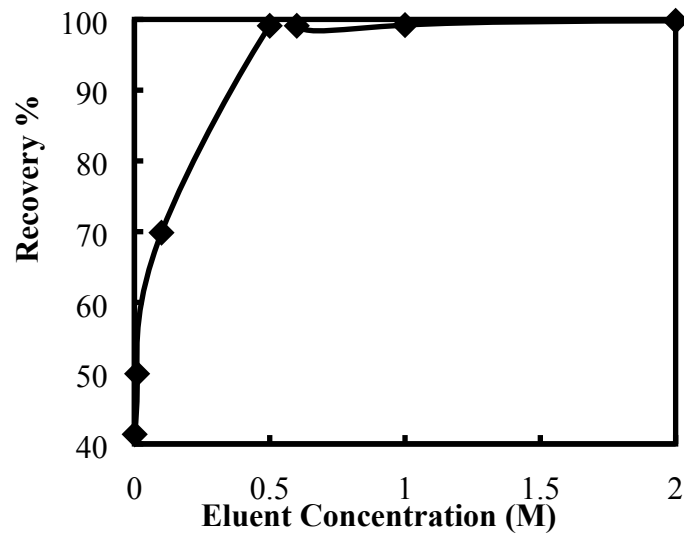


Fig. ESI 2 FT-IR spectra of leached, unleached and non-imprinted polymers.



**Fig. ESI 3** Effect of polymer particles weight on the pre-concentration of mercury ions.



**Fig. ESI 4** Influence of eluent concentration.