

Supplementary data

Table S1. Nanotextural and chemical characteristics of the commercial ACs.

AC	pH _{PZC}	A _{BET} [*] cm ³ g ⁻¹	V _{total} ^a cm ³ g ⁻¹	V _{meso} ^b cm ³ g ⁻¹	αmethod		
					V _{α total} cm ³ g ⁻¹	V _{α ultra} cm ³ g ⁻¹	V _{α super} cm ³ g ⁻¹
R	6.5	937	0.65	0.36	0.29	0.10	0.19
N	8.4	1065	0.70	0.30	0.40	0.02	0.38
N _{ox}	5.5	875	0.51	0.14	0.37	0.00	0.37

^a Volume adsorbed at p/p⁰ = 0.95; ^b Difference between V_{total} and V_{α total}.

* Specific surface area obtained by BET equation.

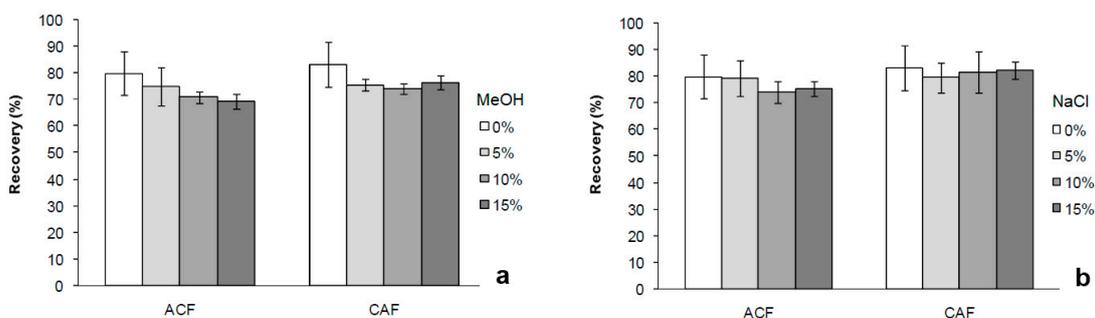


Figure S1. Effect of matrix polarity (a) and ionic strength (b) on the recovery of ACF and CAF by MSA_μE(AC(R)-LD)/HPLC-DAD.

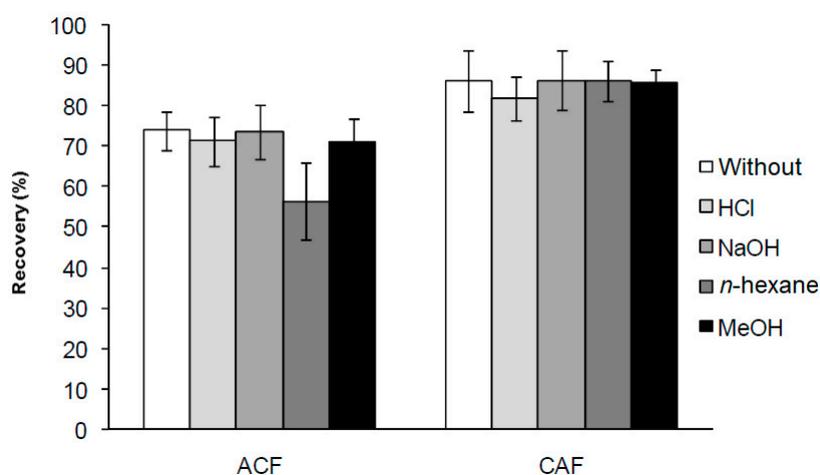


Figure S2. Evaluation of extraction capacity after immersing the devices in different solvents.