



**Figure S1:** Binding of chloride ions as determined by ES-MS; 15 mM of NaCl was added to a SL / DTAB micellar solution. A<sup>-</sup> : dodecylcarboxylate anion (199 Da); K<sup>+</sup> : dodecyltrimethylammonium cation (228 Da); the peaks between 250 and 300 (*m/z*) are noise due to the solvent.