

Dynamic light scattering data (Intensity and Number vs size) of the ‘hit’ amines that resulted in the phase transfer of the SPIO nanoparticles after ring opening the adsorbed poly(octadecene-*co*-maleic anhydride) polymer (PMAO), Mn 30-50K is presented below in Figure 1. Table 1 shows the ID’s of the amines in Figure 1.

Table 1: ID’s of the ‘hit’ amine polymer phase transfer chemistries measured via DLS in Figure 1 below.

Figure ID	Amine
BM1 5	ethanolamine
BM2 5	jeffamine-1000
BM3 5	N-methyl-D-glucamine
BM5 5	4-amino -1- butanol
BM6 5	2-Methoxyethylamine
BM7 5	2 amino ethylamino ethanol
BM8 5	1-(2 hydroxyethyl) piperazine
BM9 5	2-butylaminoethanol
BM10 5	N,N-Bis(hydroxyethyl)trimethylenediamine
BM11 5	methoxy-PEG amine

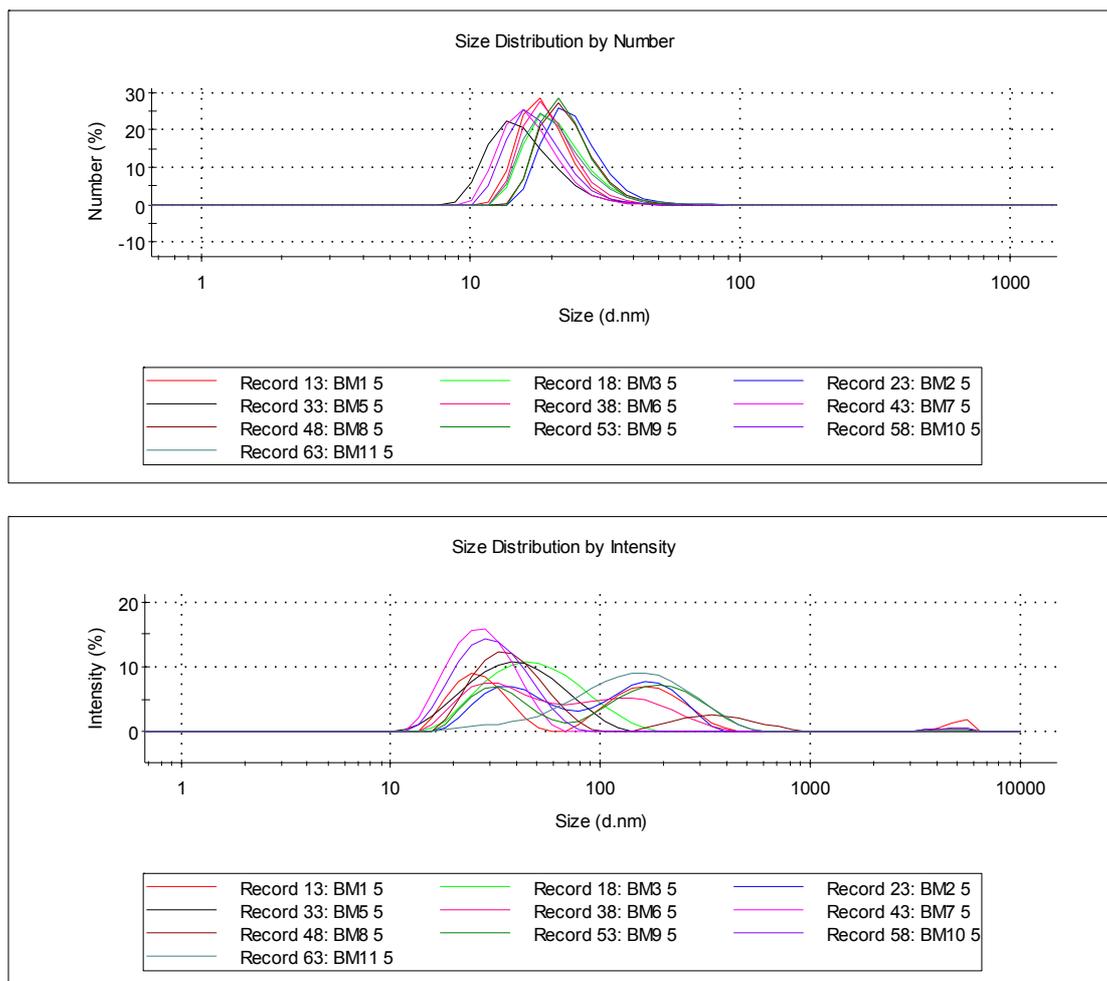


Figure 1. Dynamic Light Scattering data of the ‘hit’ amines (Intensity and Number vs size) that resulted in the phase transfer of the SPIO nanoparticles after ring opening the adsorbed poly(octadecene-*co*-maleic anhydride) polymer (PMAO), Mn 30-50K.