

## Supporting Information

### Reactive oxygen species (ROS)-responsive ferrocene-polymer-based nanoparticles for controlled release of drugs

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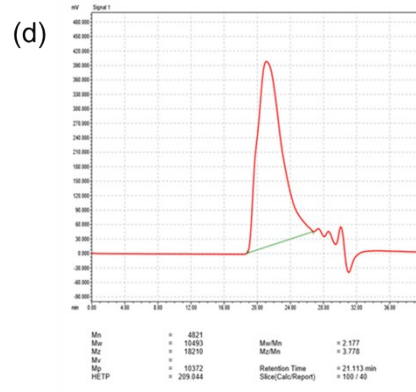
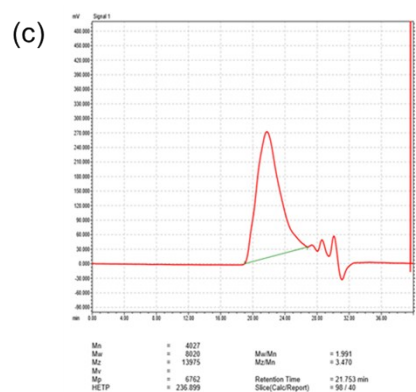
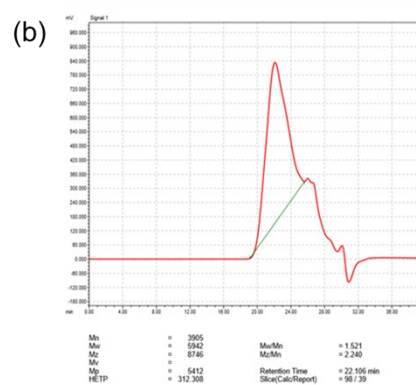
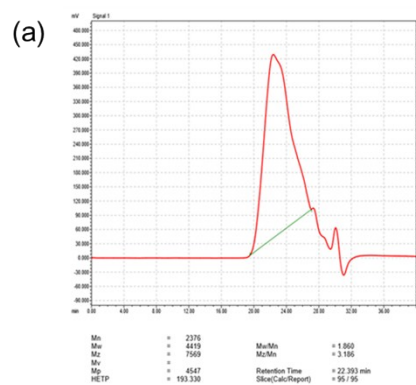
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Supplementary Table S1. The yields of the ferrocene-containing polymers.

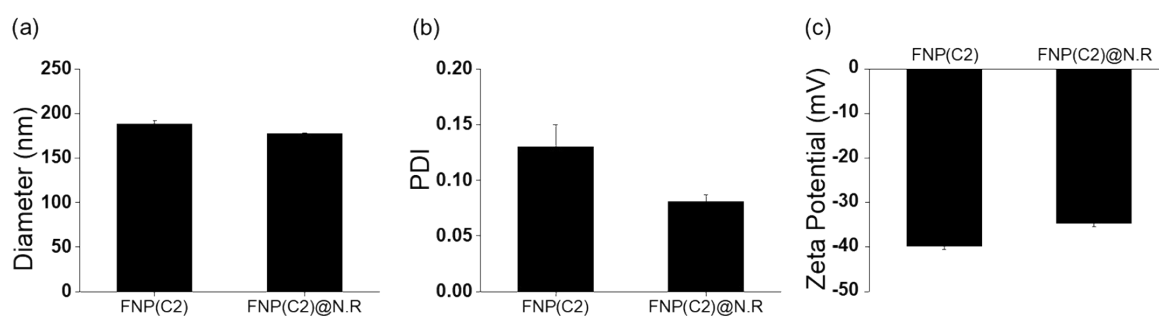
<b>Polymer groups</b>	<b>Yield (%)</b>
Poly C0.5	97.3 %
Poly C1	95.1 %
Poly C2	99.7 %
Poly C3	98.1 %

Supplementary Table S2. The diameters of the FNPs observed via TEM.

<b>FNP groups</b>	<b>Diameter (TEM)</b>
FNP(C0.5)	250 ± 31 nm
FNP(C1)	208 ± 38 nm
FNP(C2)	164 ± 28 nm
FNP(C3)	111 ± 18 nm



Supplementary Figure S1. The original GPC curves of the ferrocene-containing polymers (Poly(FMMA-*r*-MA)); (a) Poly C0.5, (b) Poly C1, (c) Poly C2, and (d) Poly C3.



Supplementary Figure S2. The physicochemical characteristics of the FNP(C2) and Nile red-loaded the Nile red-containing FNP(C2).