

Supplementary materials

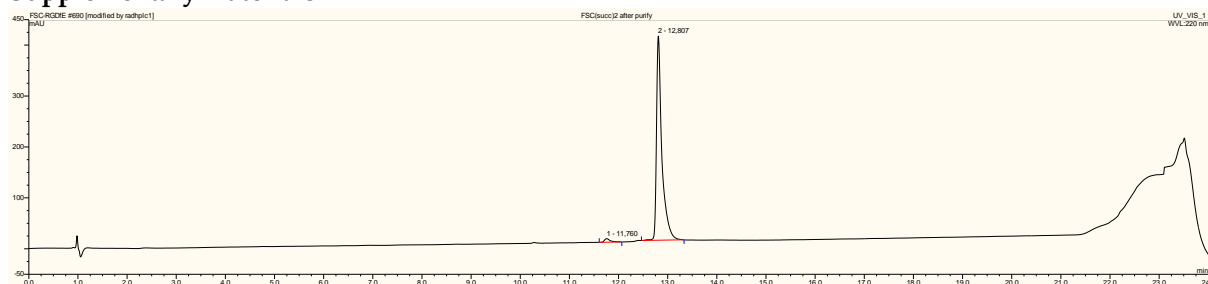


Figure 1. HPLC chromatogram of purified FSC(succ)₂, gradient: 0-2.0 min 0% CH₃CN/0.1% TFA, 2.0-16.0 min 0-40 % CH₃CN/0.1% TFA, t_R = 12.807 min.

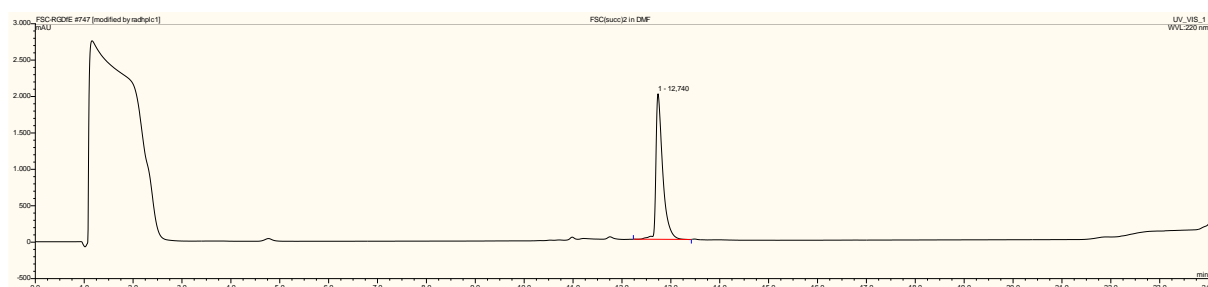


Figure S2. HPLC chromatogram of purified FSC(succ)₂AA, gradient: 0-2.0 min 0% CH₃CN/0.1% TFA, 2.0-16.0 min 0-40 % CH₃CN/0.1% TFA, t_R = 12.740min

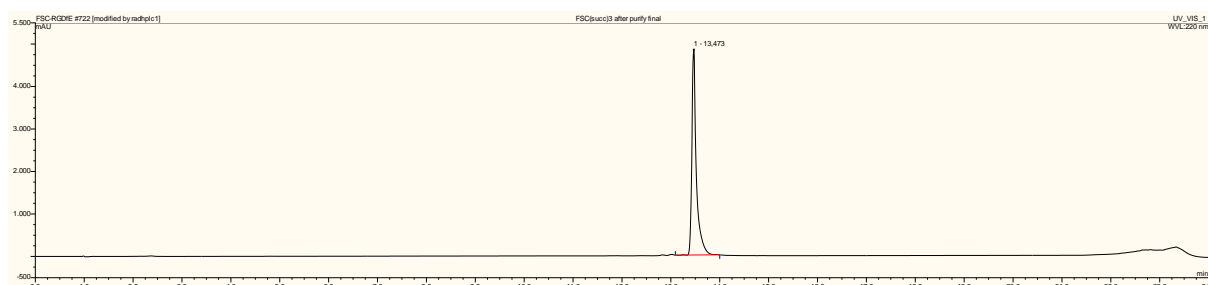


Figure S3. HPLC chromatogram of purified FSC(succ)₃, gradient: 0-2.0 min 0% CH₃CN/0.1% TFA, 2.0-16.0 min 0-40 % CH₃CN/0.1% TFA, t_R = 13.473 min

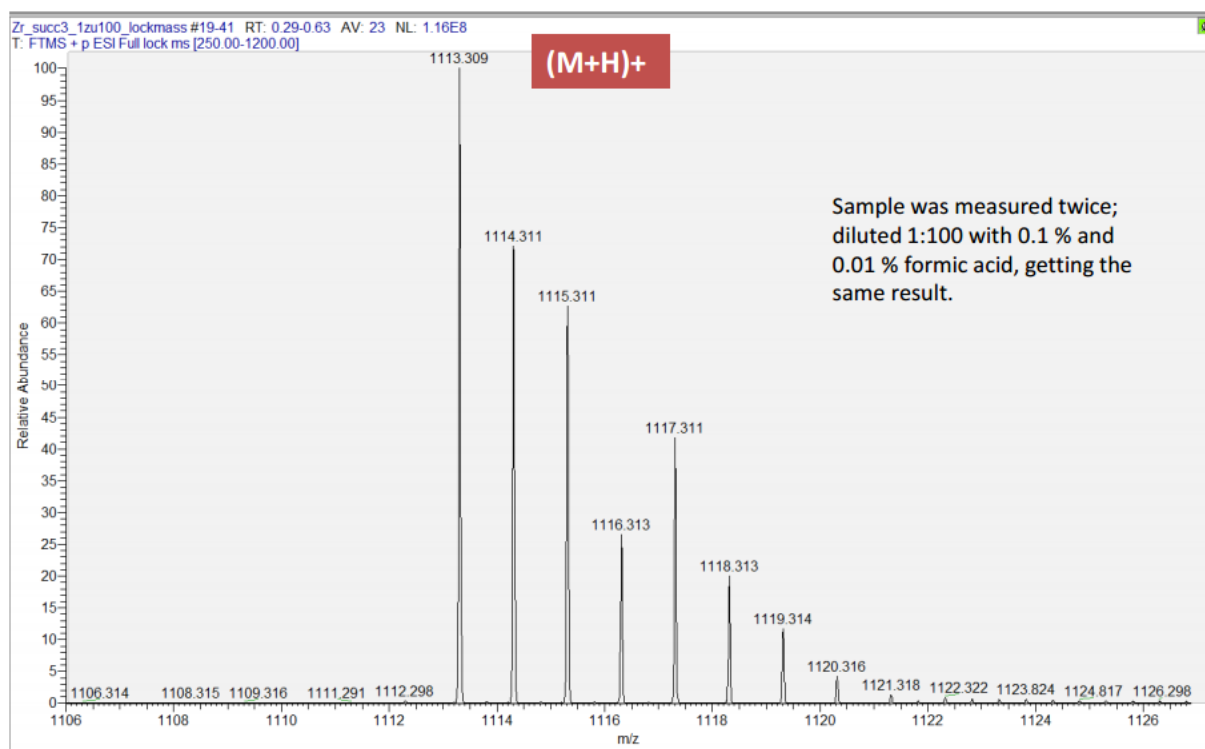


Figure S4. The ESI-MS of [natZr]FSC(succ)₃

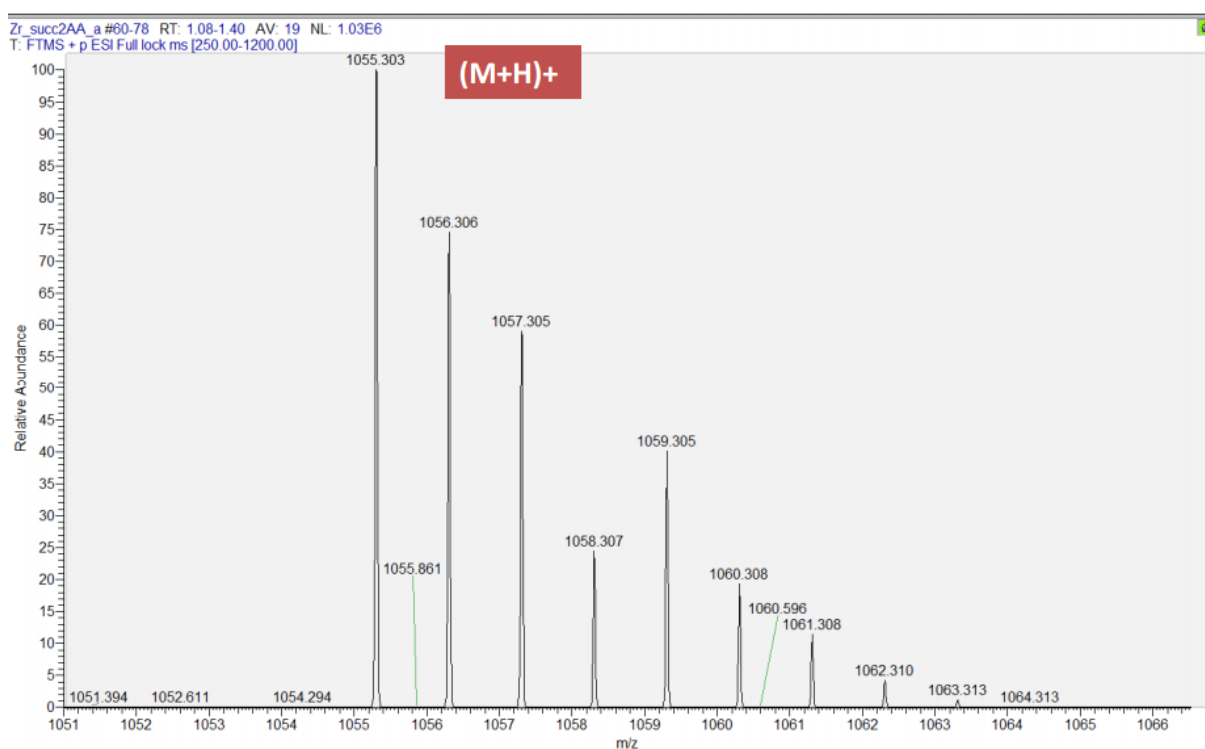


Figure S5. The ESI-MS of [natZr]FSC(succ)₂AA

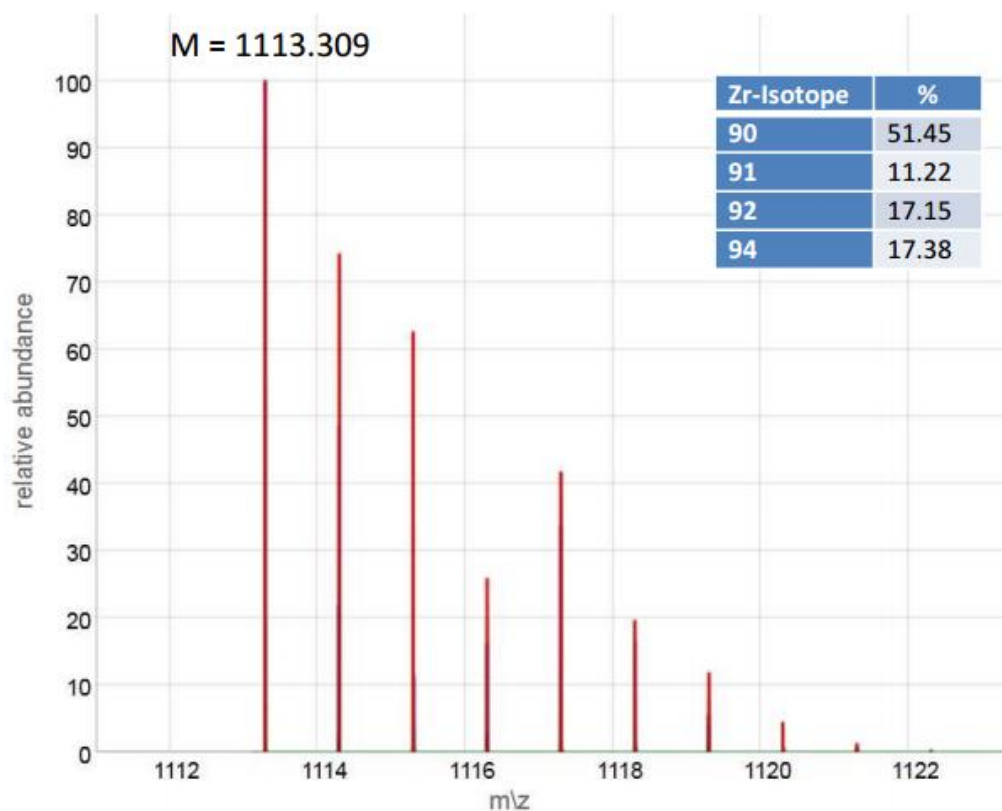


Figure S6. The calculated isotope pattern for $C_{45}H_{63}N_6O_{21}Zr$ ($[^{nat}Zr]FSC(succ)_3$)

Figure S7. 3D microPET/CT images of $[^{89}Zr]Zr-FSC(succ)_3$ in a mouse 80min p.i.

Figure S8. 3D microPET/CT images of $[^{89}Zr]Zr-FSC(succ)_3$ in a mouse 24h p.i.

Figure S9. 3D microPET/CT images of $[^{89}Zr]Zr-TAFC$ in a mouse 80min p.i.

Figure S10. 3D microPET/CT images of $[^{89}Zr]Zr-TAFC$ in a mouse 24h p.i.