

# Supplementary Material

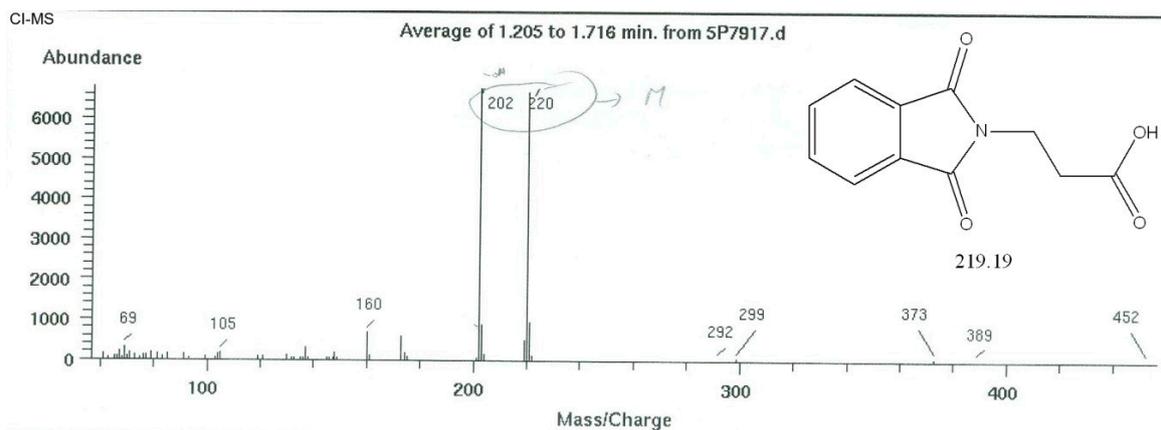


Figure S1. CI-MS of product 1, M = 219.19 g/mol.

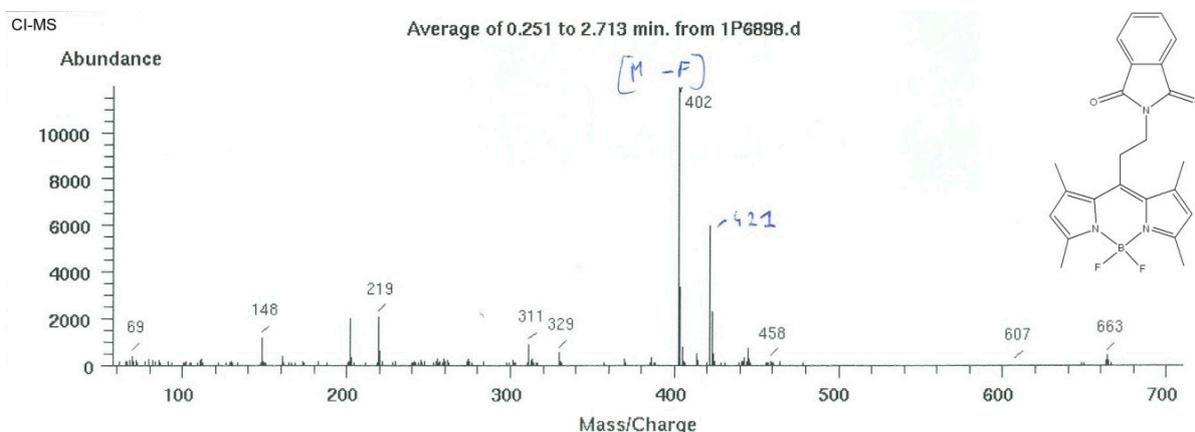


Figure S2. CI-MS of product 2, M = 421.25 g/mol.

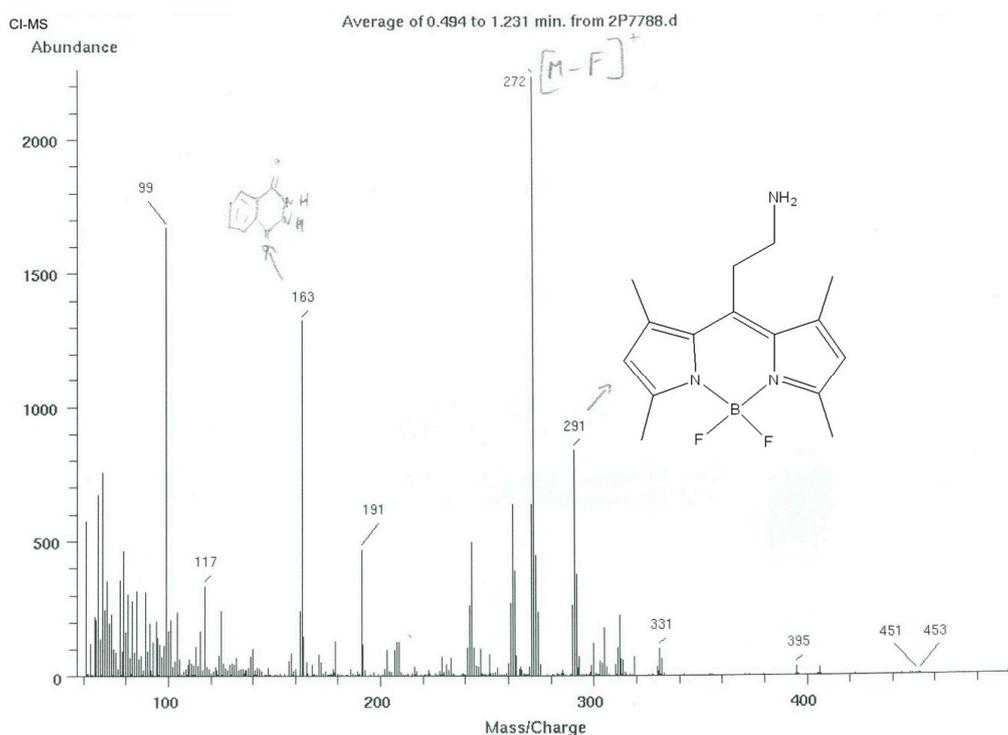
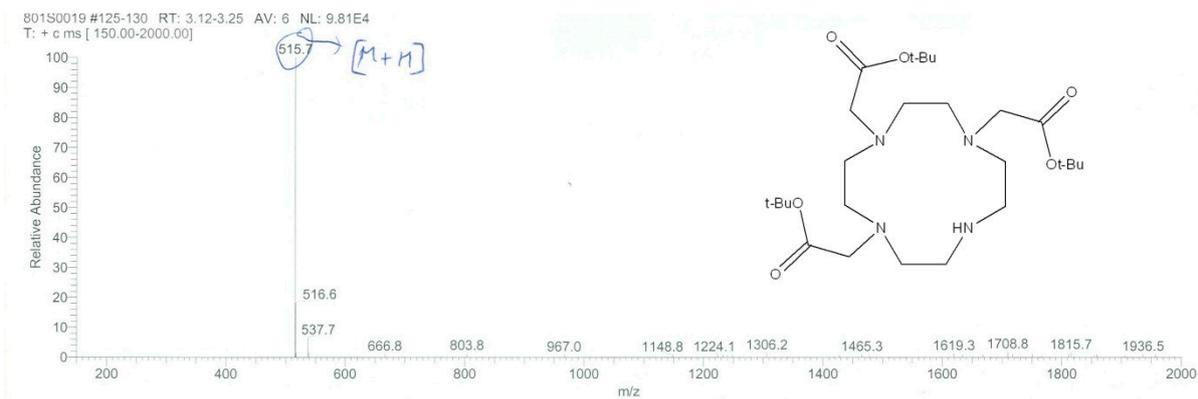
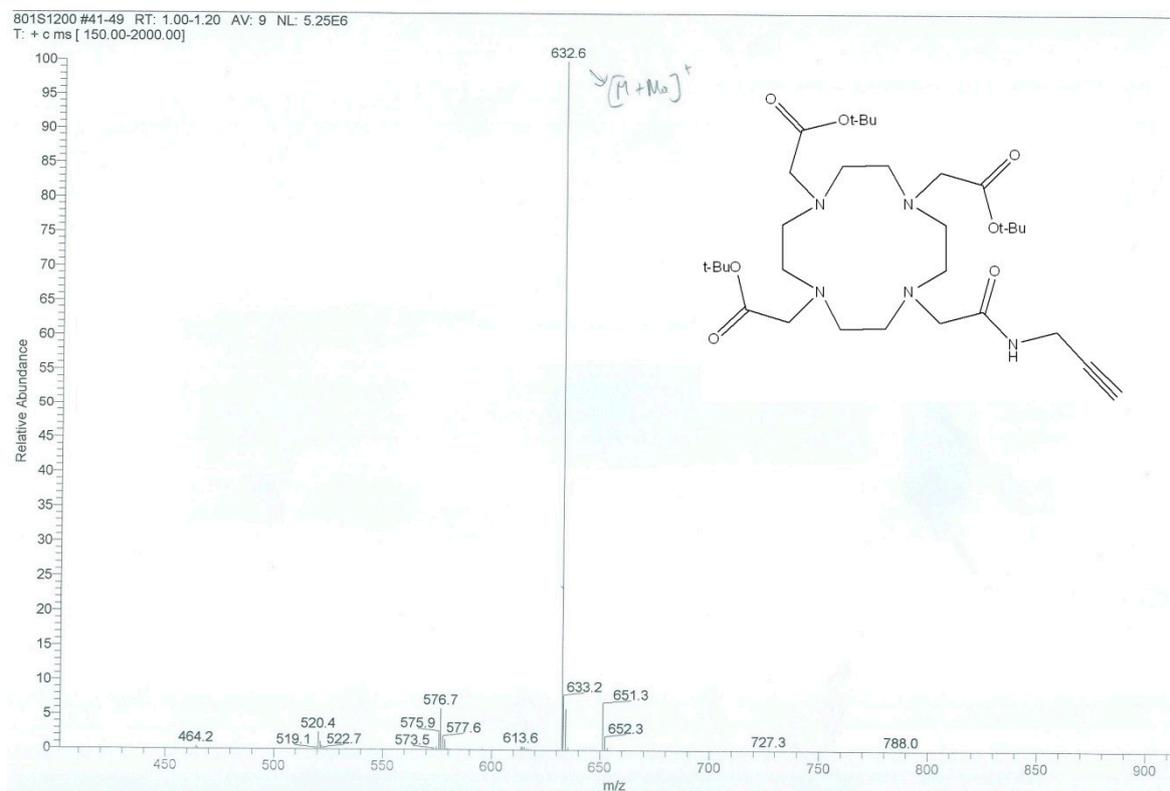


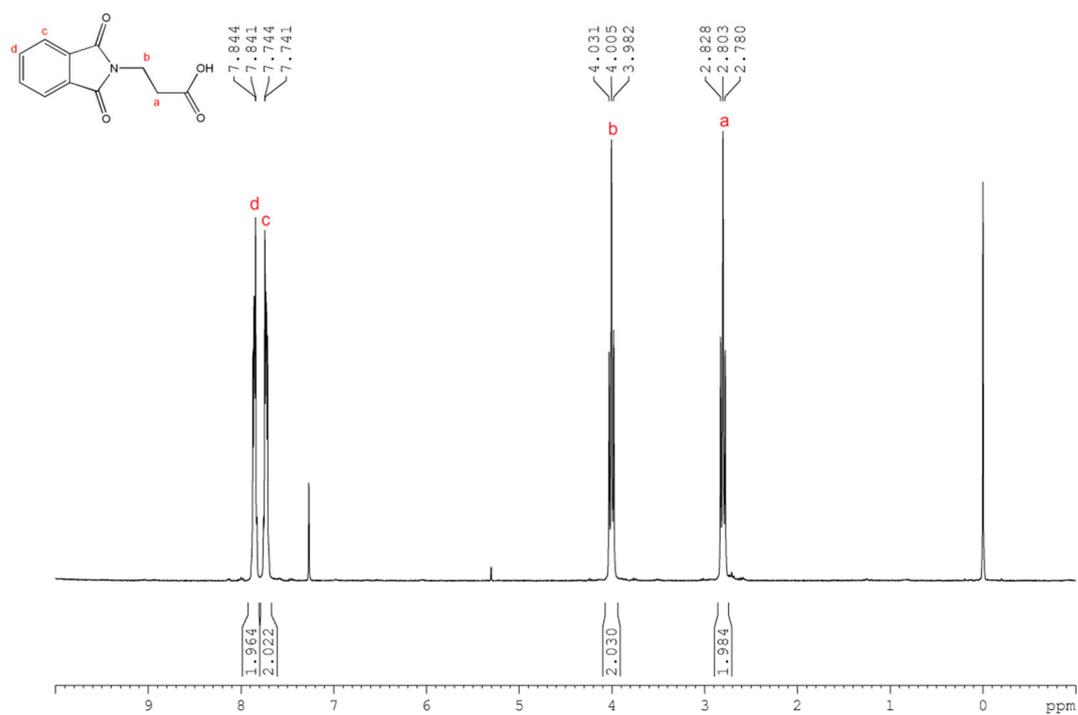
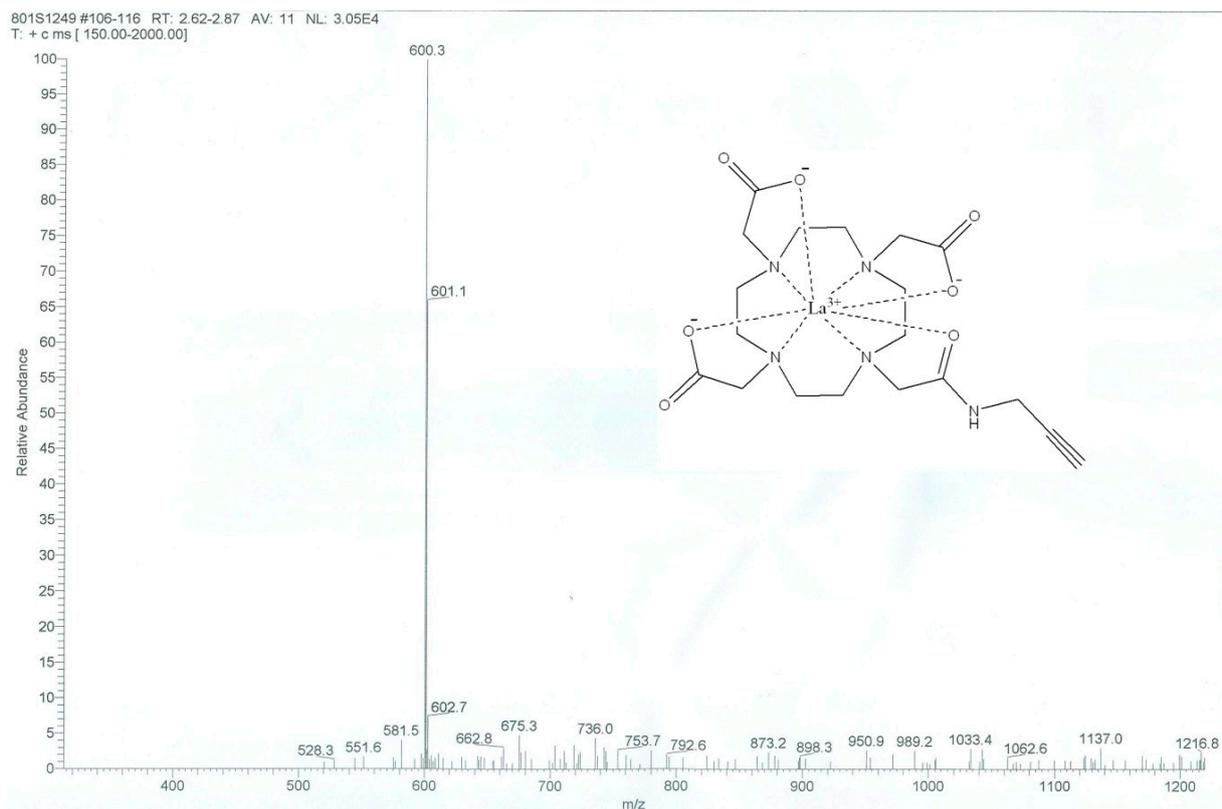
Figure S3. CI-MS of product 3, M = 291.15 g/mol.



**Figure S4.** ESI-MS of product **4**,  $M = 514.70$  g/mol.



**Figure S5.** ESI-MS of product **5**,  $M = 609.80$  g/mol.



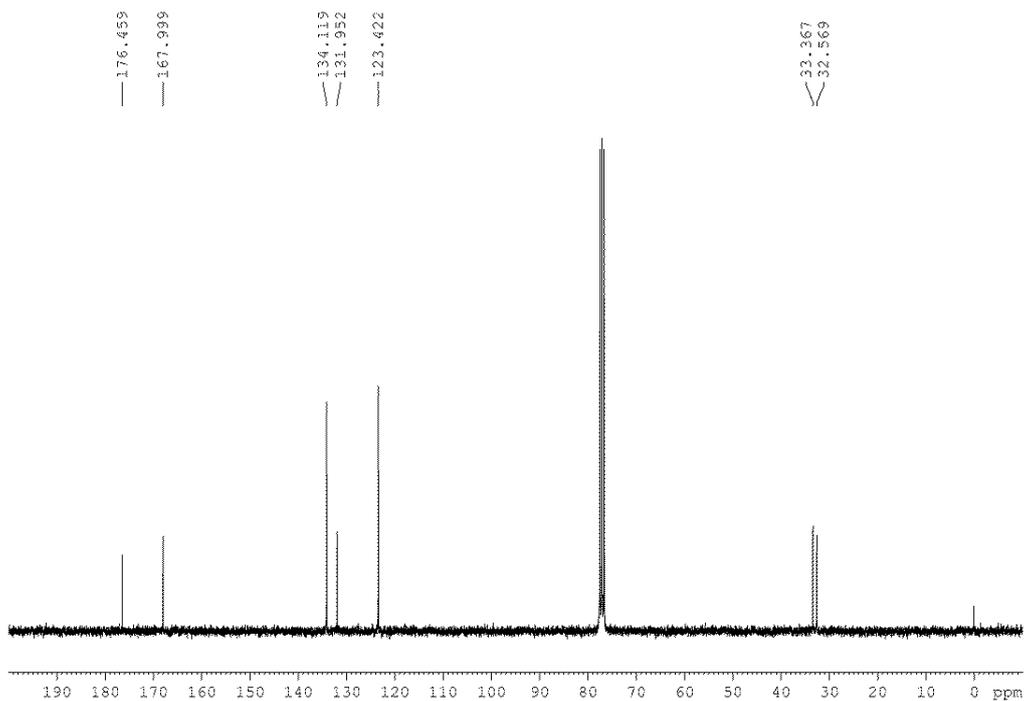


Figure S8.  $^{13}\text{C}$  NMR spectrum of product **1** in chloroform-d.

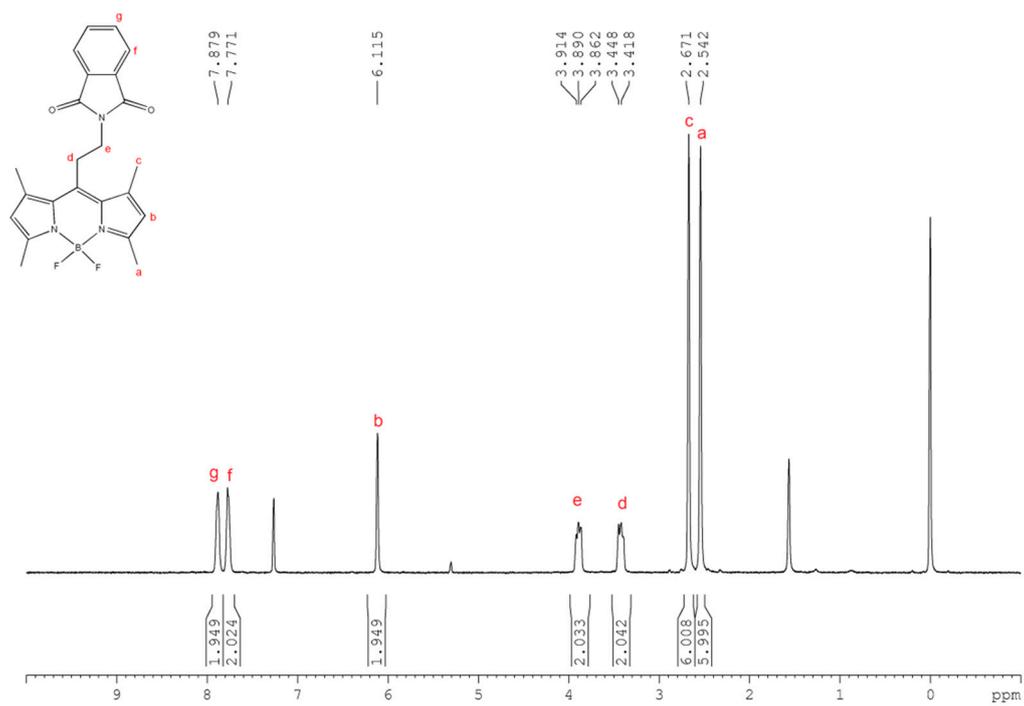


Figure S9.  $^1\text{H}$  NMR of product **2** in chloroform-d.

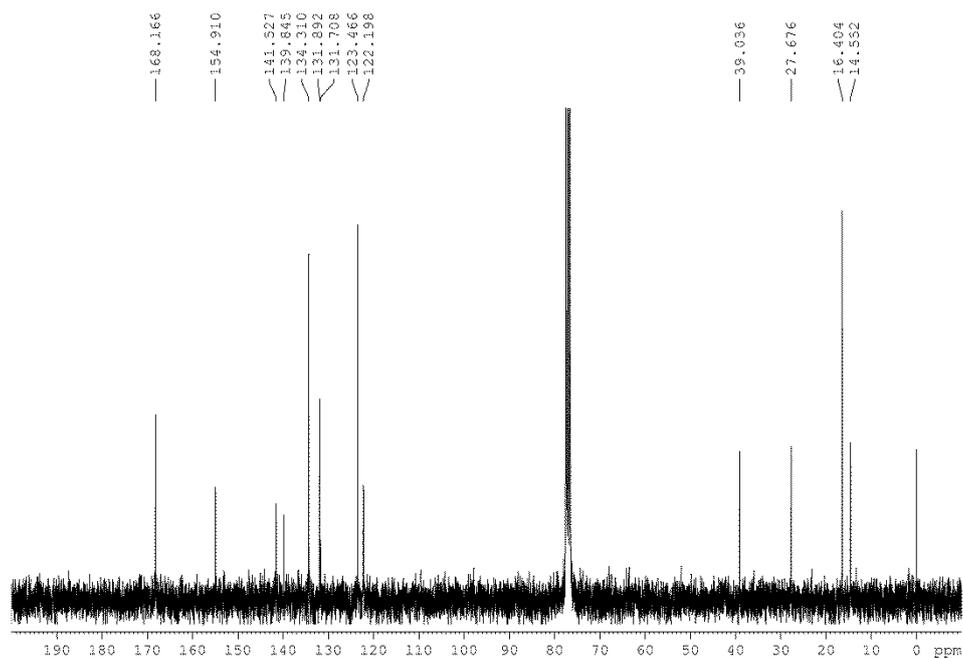


Figure S10.  $^{13}\text{C}$  NMR spectrum of product **2** in chloroform-d.

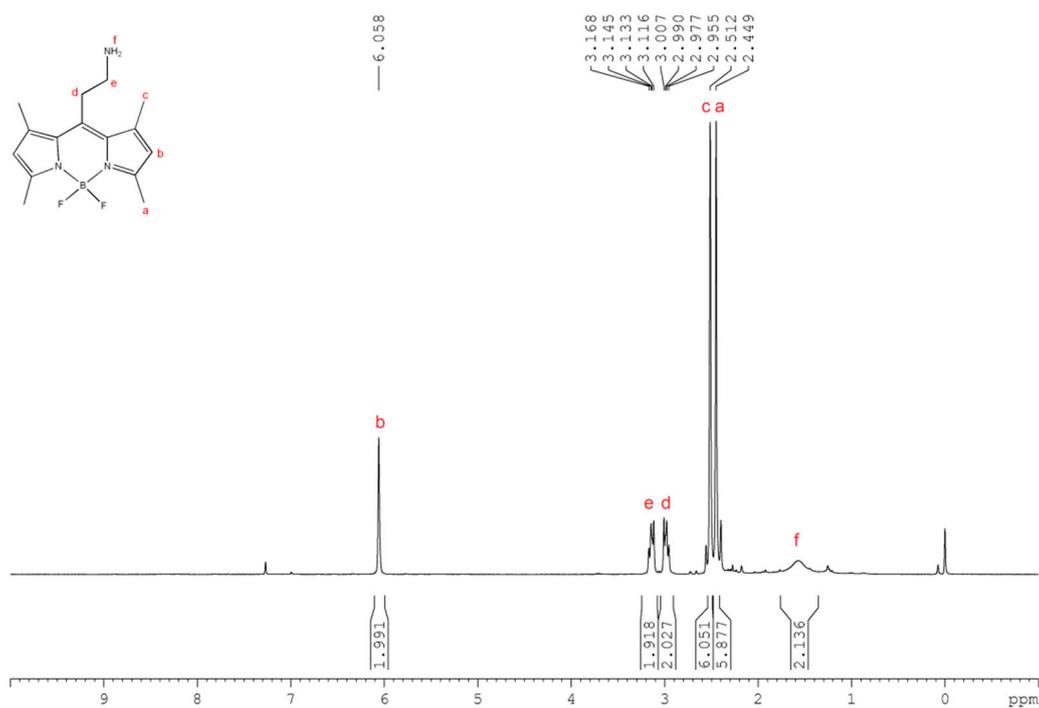
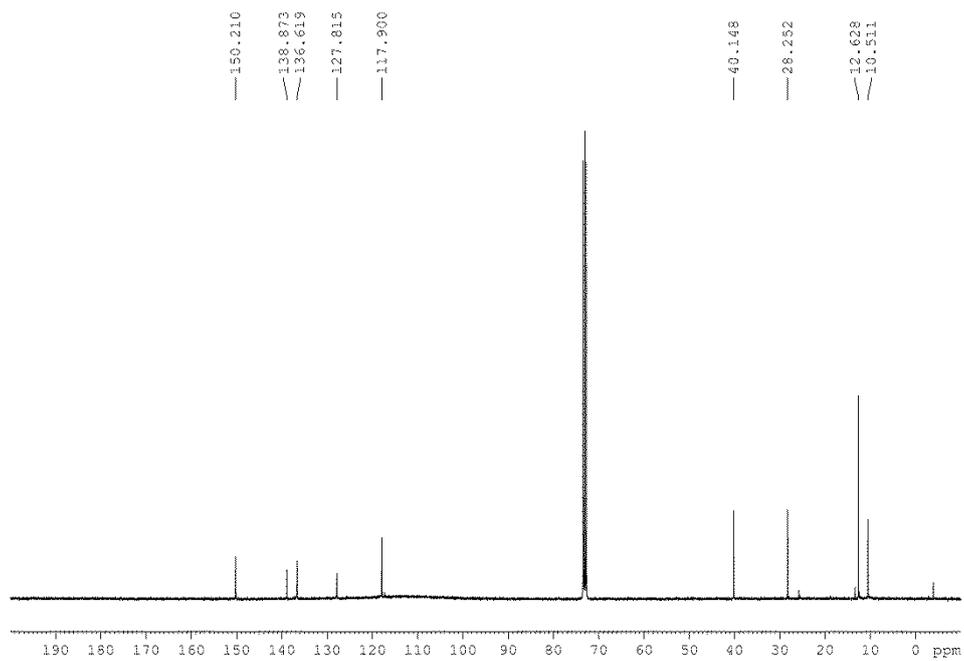
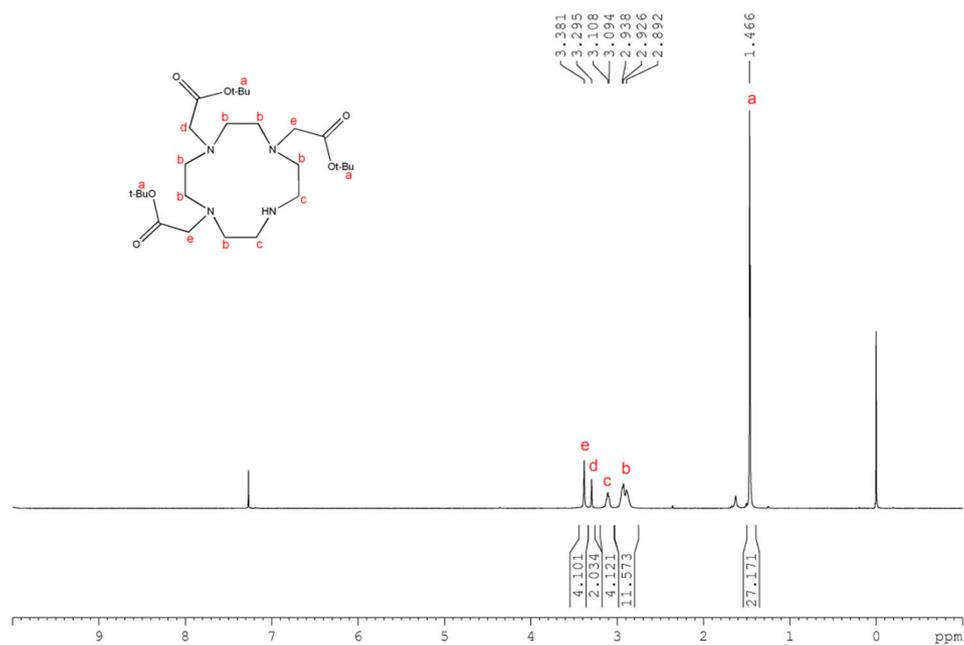


Figure S11.  $^1\text{H}$  NMR of product **3** in chloroform-d.



**Figure S12.**  $^{13}\text{C}$  NMR spectrum of product **3** in chloroform-d.



**Figure S13.**  $^1\text{H}$  NMR of product **4** in chloroform-d.

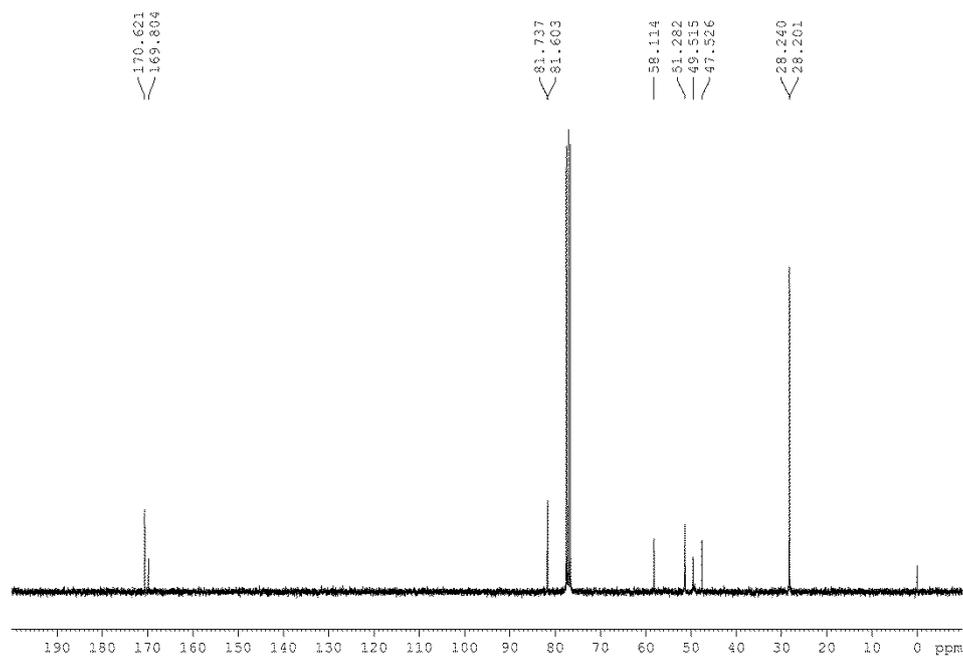


Figure S14.  $^{13}\text{C}$  NMR spectrum of product **4** in chloroform-d.

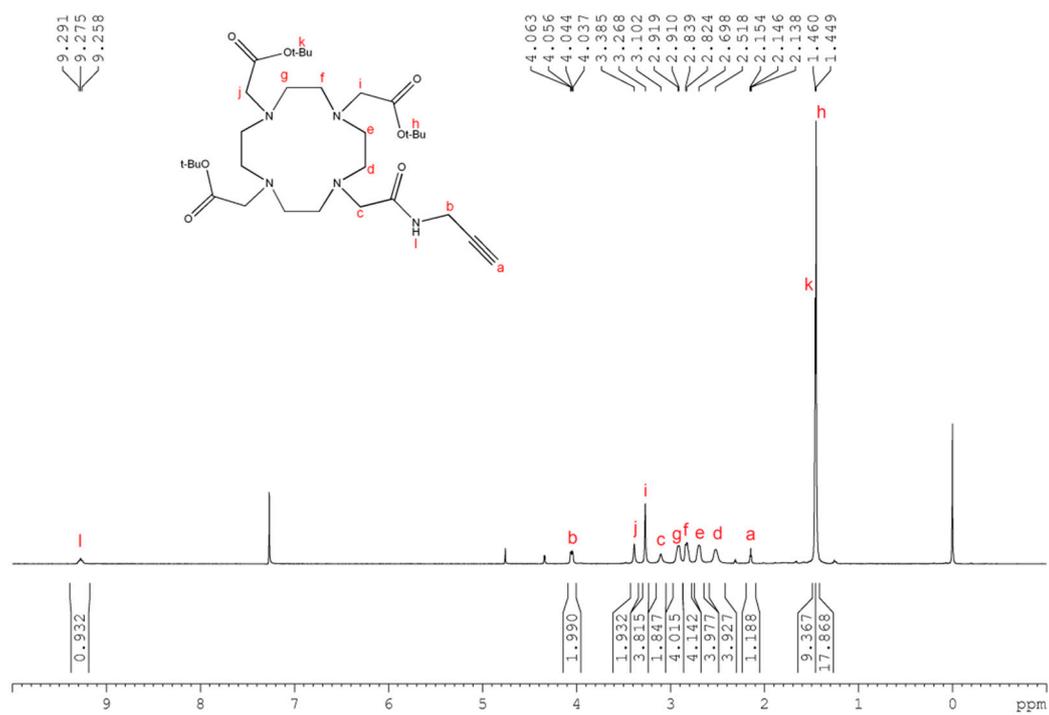
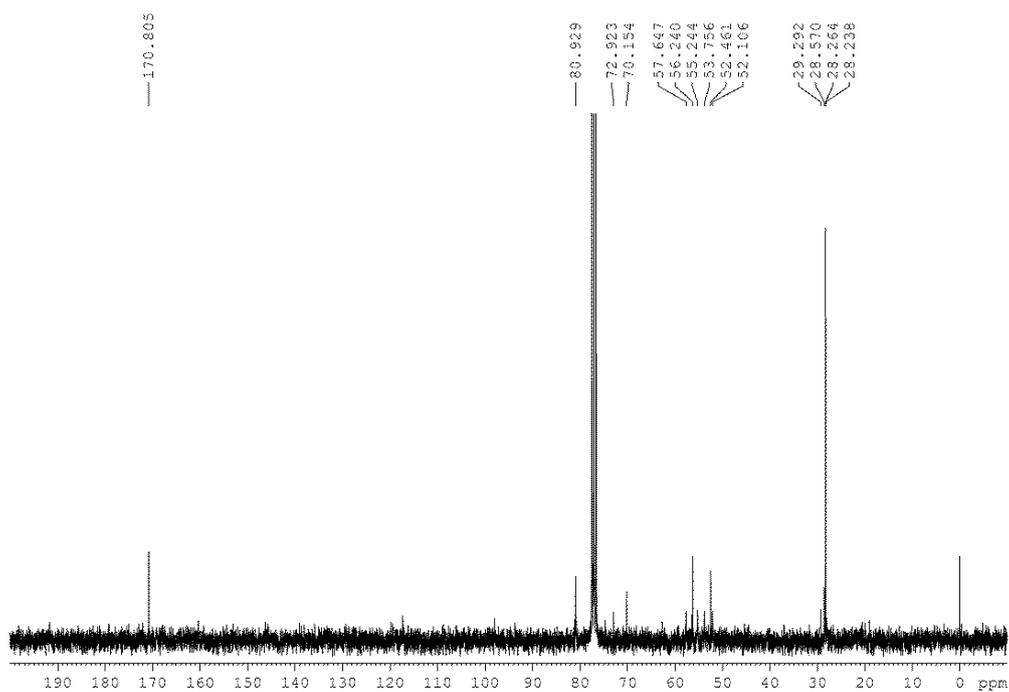
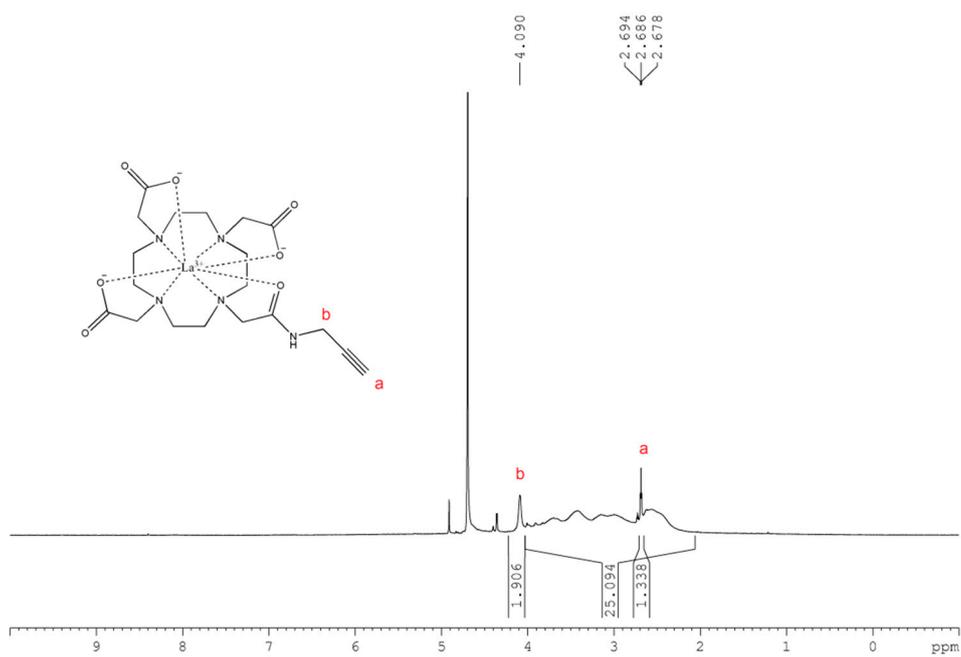


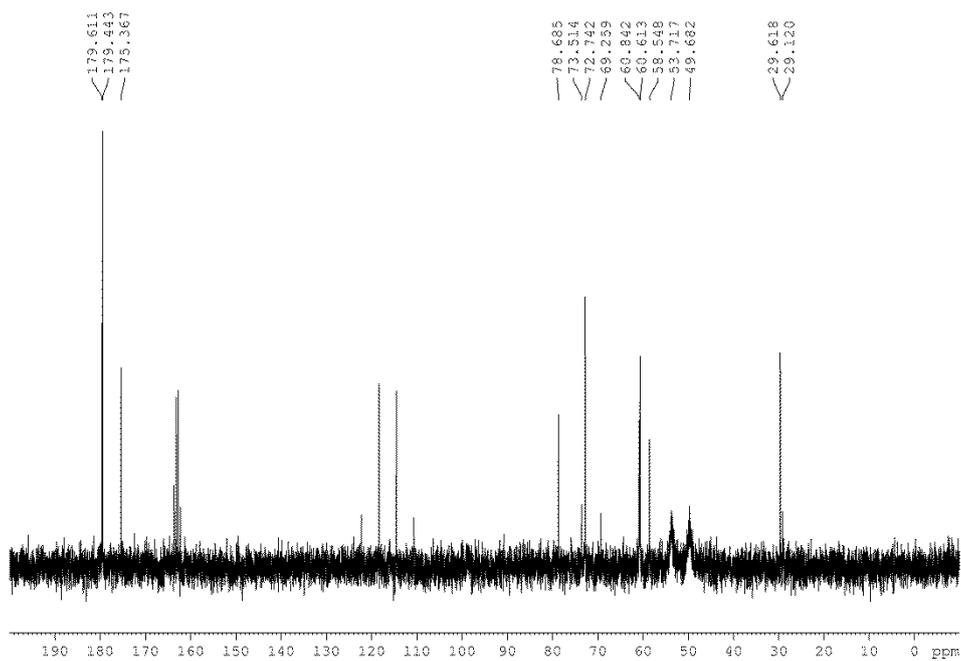
Figure S15.  $^1\text{H}$  NMR of product **5** in chloroform-d.



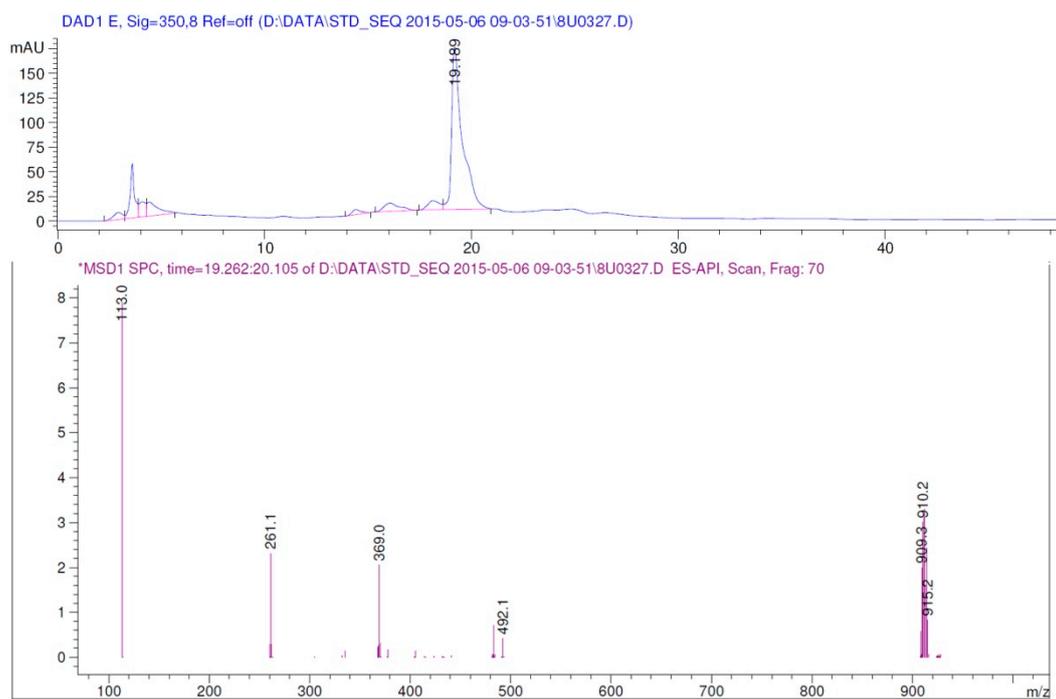
**Figure S16.**  $^{13}\text{C}$  NMR spectrum of product **5** in chloroform-d.



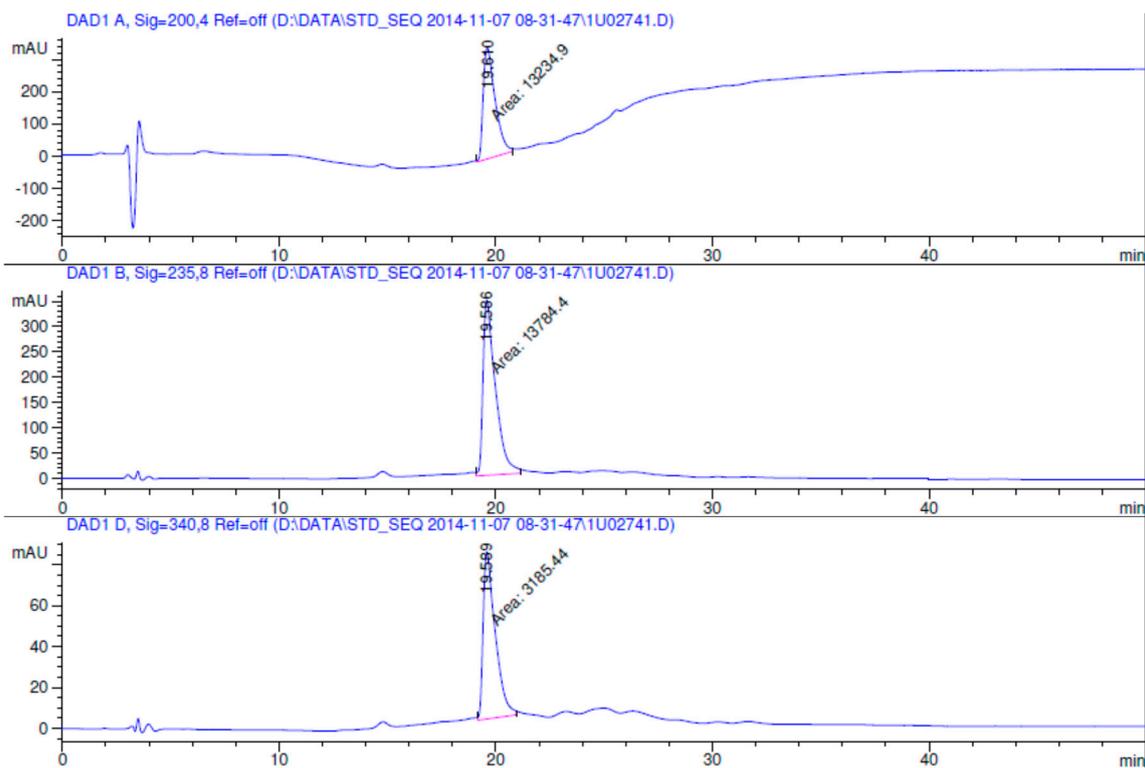
**Figure S17.**  $^1\text{H}$  NMR of Product **8** in deuterated water.



**Figure S18.**  $^{13}\text{C}$  NMR spectrum of product **8** in deuterated water. Peaks of TFA can also be observed.



**Figure S19.** HPLC trace of product **9** (Gd-DOTA-BODIPY),  $M = 912,85$  g/mol.



**Figure S20.** HPLC trace of product 10 (La-DOTA-BODIPY).