

Appendix A. Supplementary material

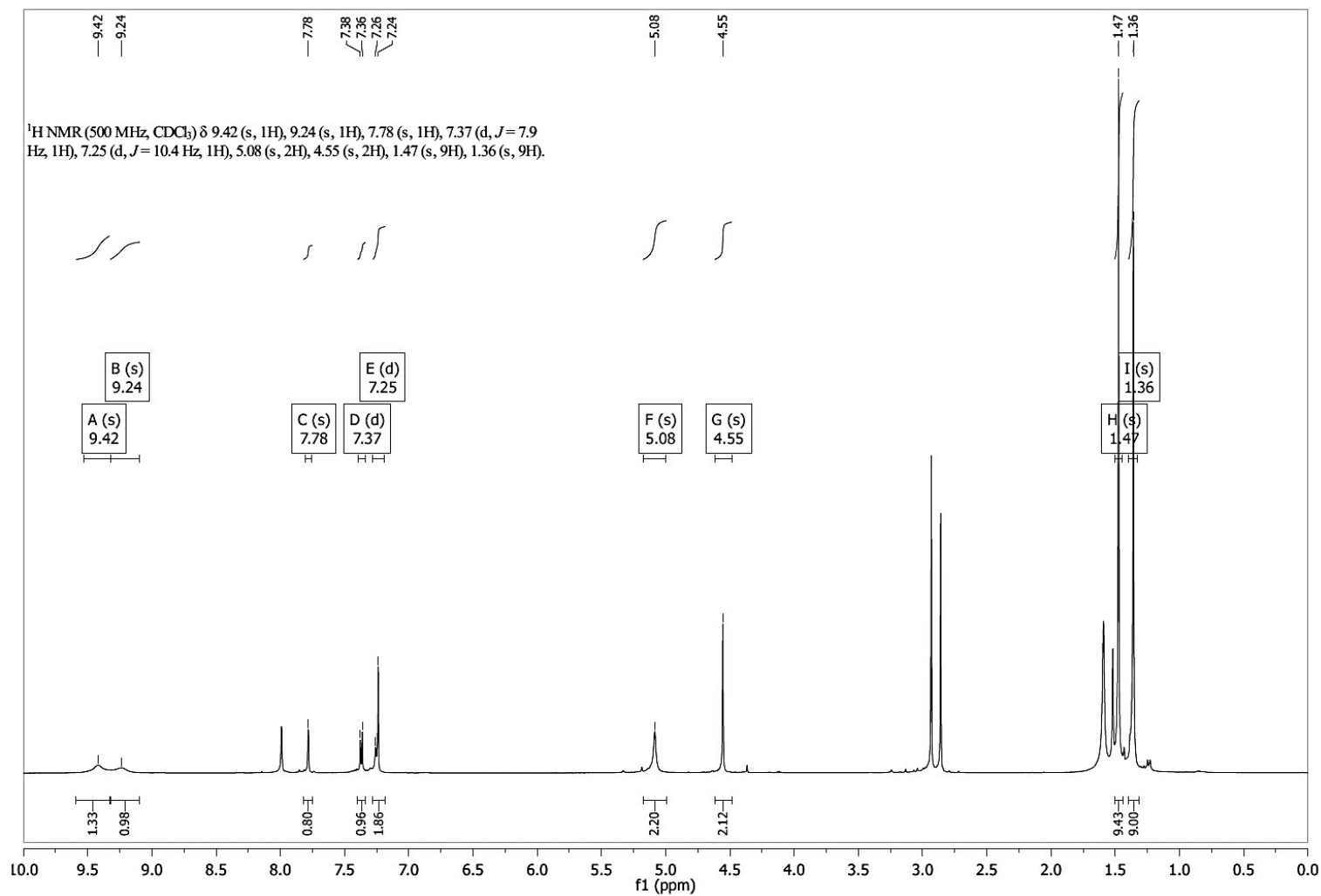


Fig. S1 ^1H NMR of ^{127}I -MoM-Boc in CDCl_3 .

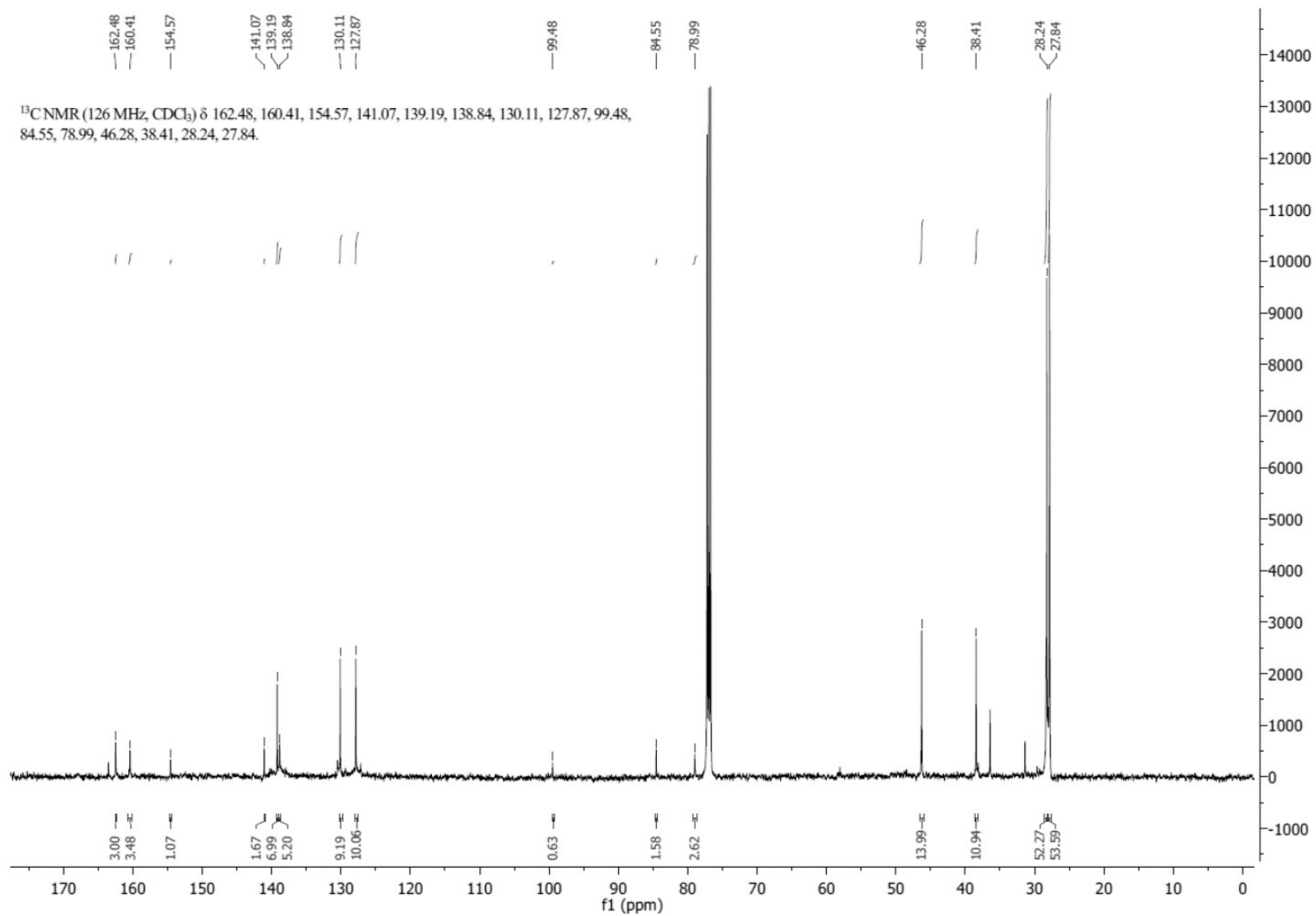


Fig. S2 ^{13}C NMR of ^{127}I -MoM-Boc in CDCl_3 .

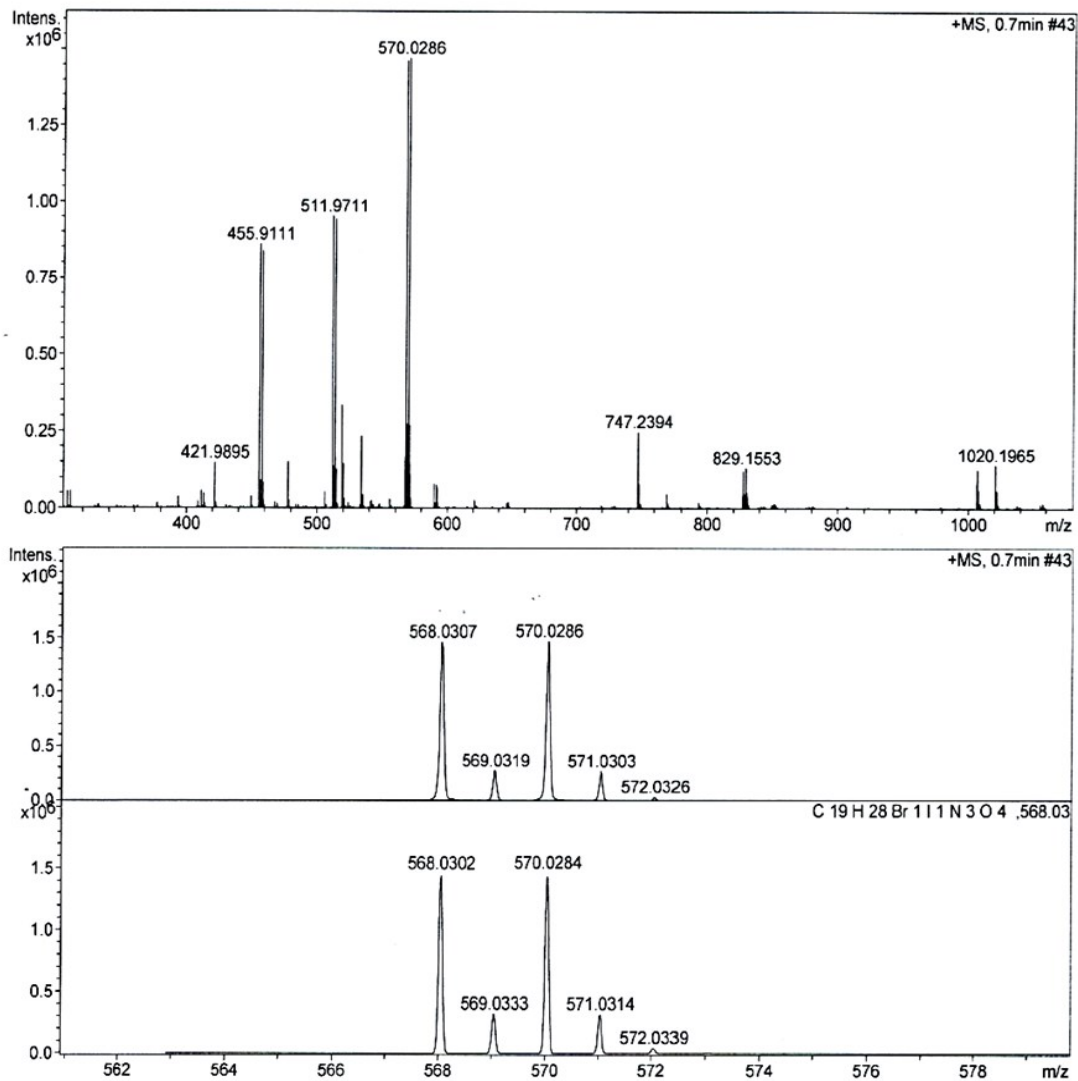
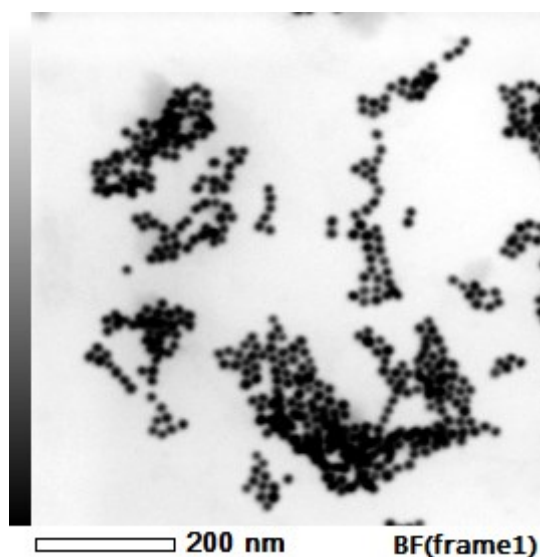


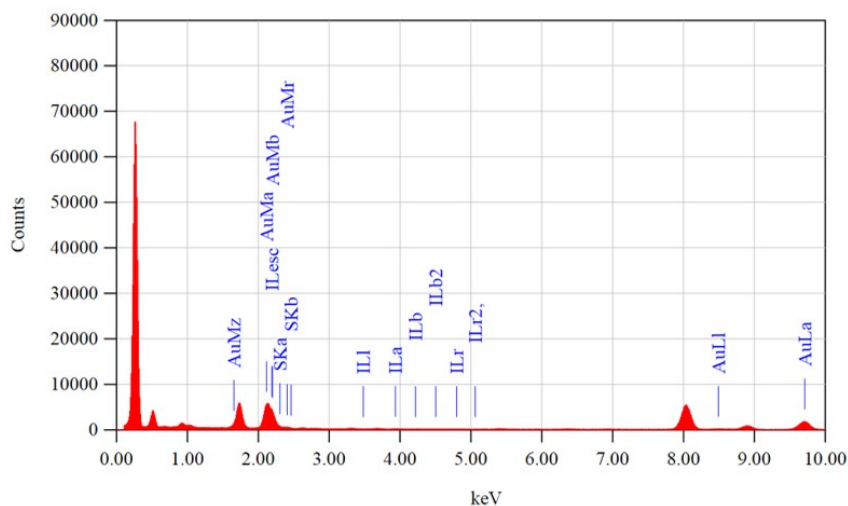
Fig. S3 Mass spectrometry of ^{127}I -MoM-Boc.



JEOLUSER 1/1

Date	: 21/08/2019
Resolution	: 256 x 256

Instrument	: JEM-2100(U)
Acc. Volt.	: 200 kV
Magnification	: x 250,000
Dwell Time	: 0.20 msec.
Sweep Count	: 100



Acquisition Parameter	
Instrument	: JEM-2100(URP)
Acc. Voltage	: 200.0 kV
Probe Current	: 1.00000 nA
PHA mode	: T2
Real Time	: 1317.55 sec
Live Time	: 1310.48 sec
Dead Time	: 0 %
Counting Rate	: 894 cps
Energy Range	: 0 - 40 keV

ZAF Method Standardless Quantitative Analysis
Fitting Coefficient : 0.9198

Element	(keV)	Mass%	Sigma	Atom%	Compound	Mass%	Cation	K
S K	2.307	1.05	0.05	5.19				0.3853
I L	3.936	33.71	2.21	42.19				19.0842
Au M	2.121	65.25	0.34	52.62				80.5305
Total		100.00		100.00				

Fig. S4 The TEM-EDX spectra of ^{127}I -MoM-PEG-GNPs.