Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

SUPPORTING INFORMATION

Exploiting the interaction between halloysite and charged PNAs for their controlled release

Serena Riela,[a] Raquel de Melo Barbosa,[b] Ana Borrego-Sánchez,[c] Silvia Cauteruccio,[d,*] Marina Massaro,[a,*] C. Ignacio Sainz-Díaz,[e] Rita Sánchez-Espejo[b], César Viseras-Iborra,[b,e] and Emanuela Licandro[d]

[a] *Department of Biological, Chemical and Pharmaceutical Sciences and Technologies, University of Palermo Viale delle Scienze, Ed. 17 90128 Palermo, Italy. E-mail: marina.massaro@unipa.it*

[b] *Department of Pharmacy and Pharmaceutical Technology, Faculty of Pharmacy, University of Granada, Campus of Cartuja, 18071 s/n, Granada, Spain.*

[c] *Instituto de Ciencia Molecular, Universitat de València, Carrer del Catedrátic José Beltrán Martinez 2, 46980 Paterna, Spain.*

[d] *Department of Chemistry, University of Milan, 20133 Milan, Italy- E-mail: silvia.cauteruccio@unimi.it.e*

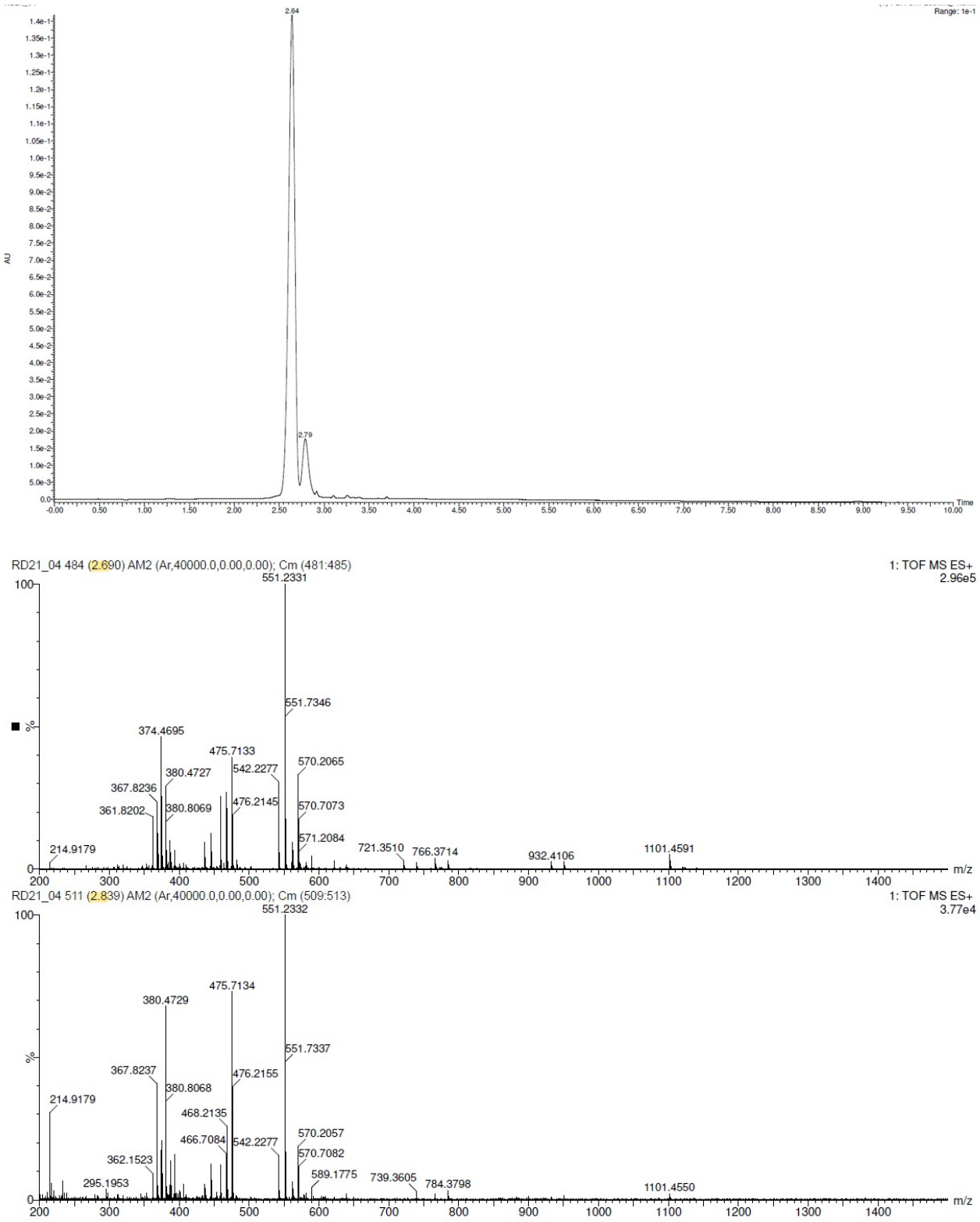
[e] *Andalusian Institute of Earth Sciences, CSIC-UGR, Avenida de las Palmeras 4, 18100, Armilla, Granada, Spain.*

Total number of pages: 9
Total number of figures: 7

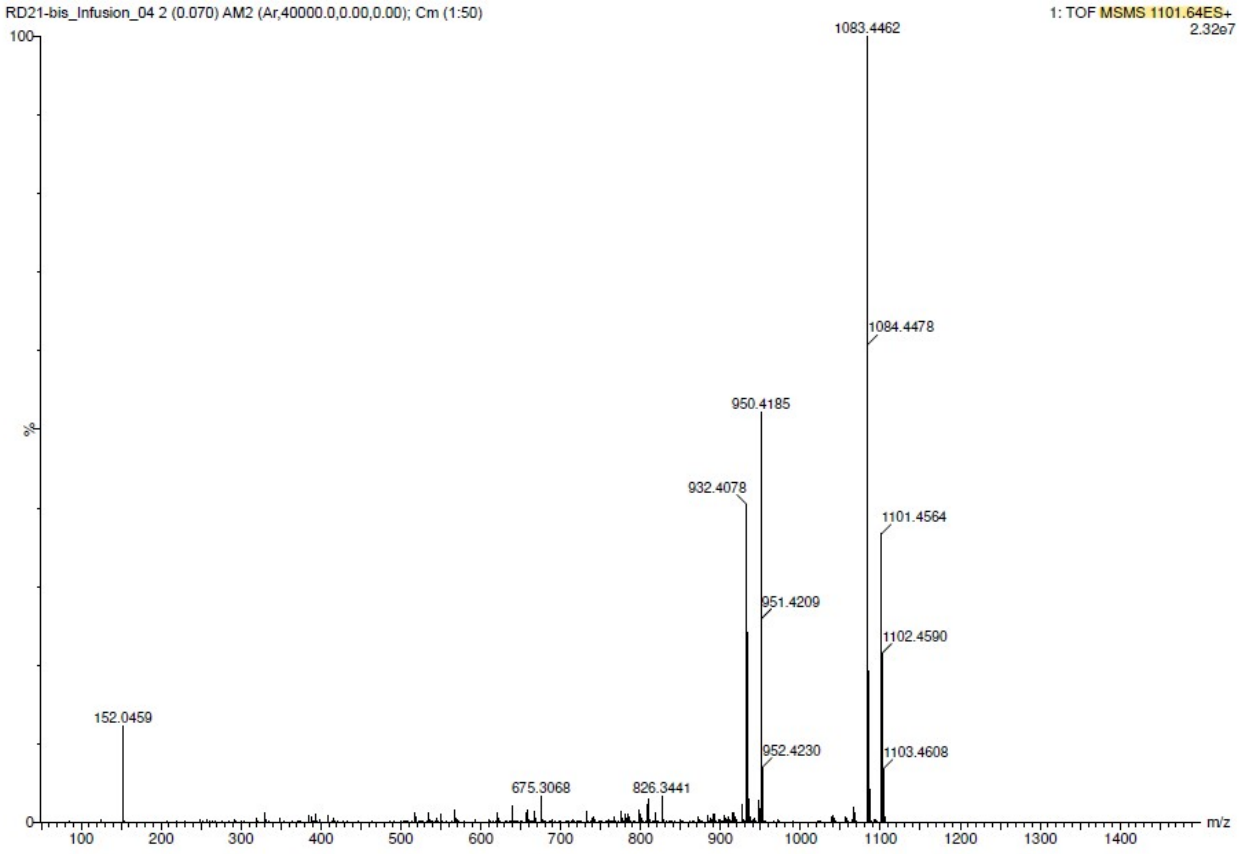
TABLE OF CONTENT

1. UPLC and HR-ESI mass analyses

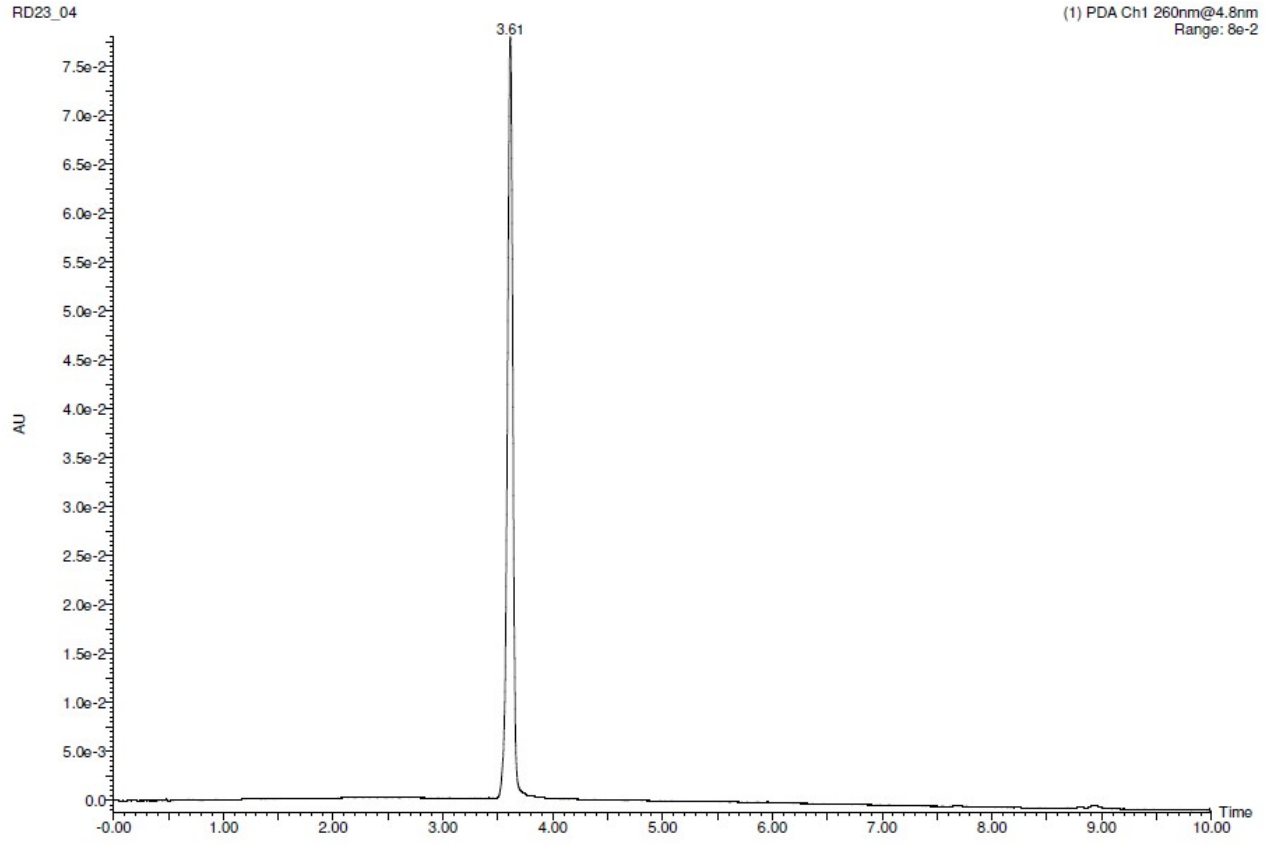
UPLC-PAD trace of tetramer **1** measured at 260 nm (above) and HR-ESI$^+$ MS spectrum of the corresponding peak (below).

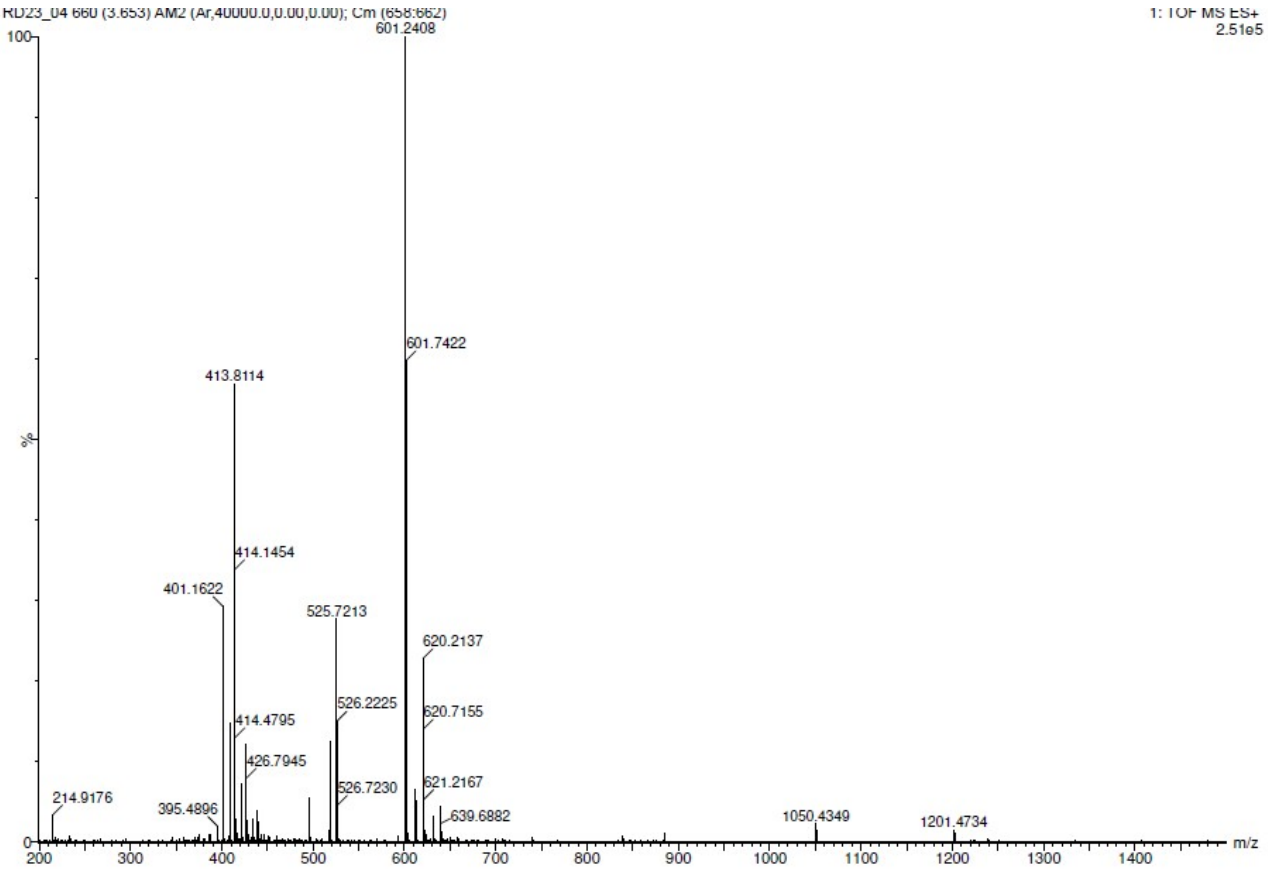


HR-ESI^{+} MS/MS spectrum for ion with m/z 1101.64.

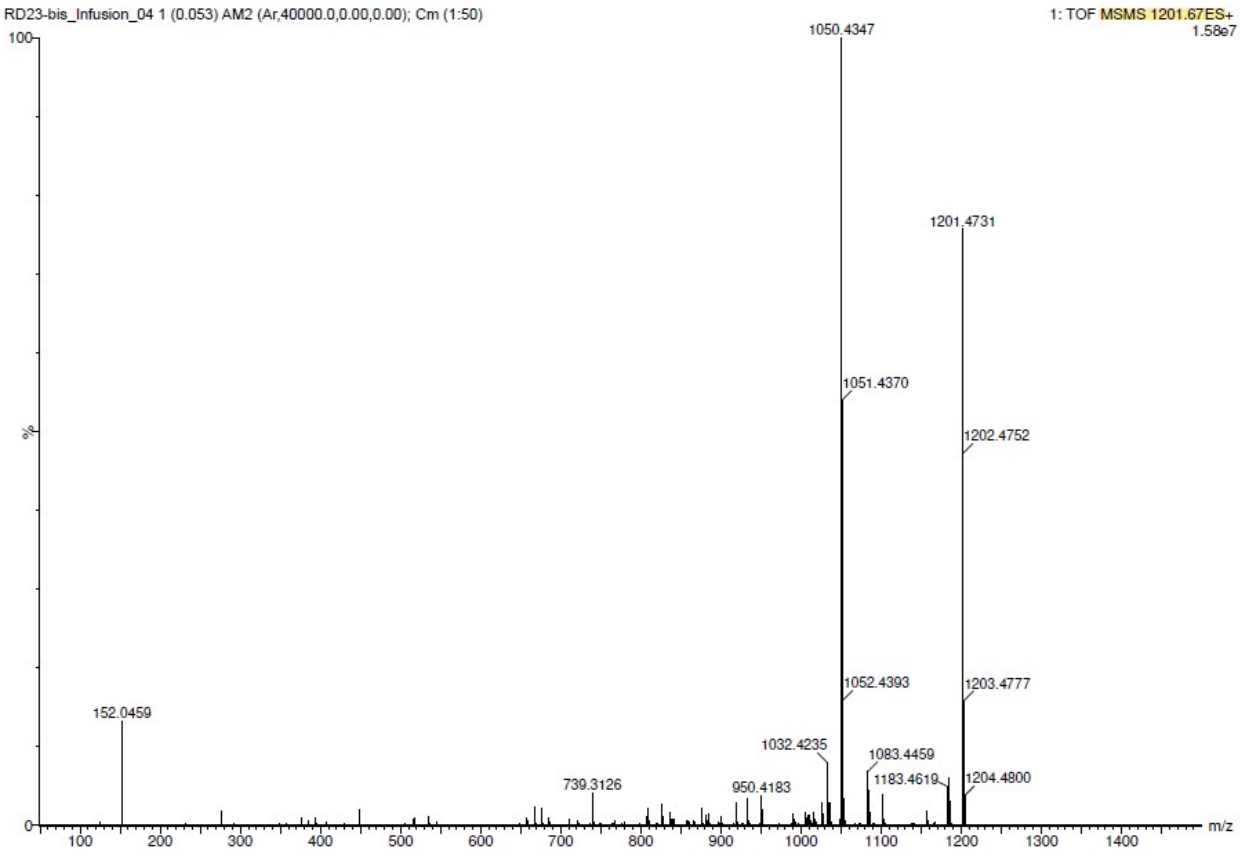


UPLC-PAD trace of tetramer **2** measured at 260 nm (above) and HR-ESI^{+} MS spectrum of the corresponding peak (below).

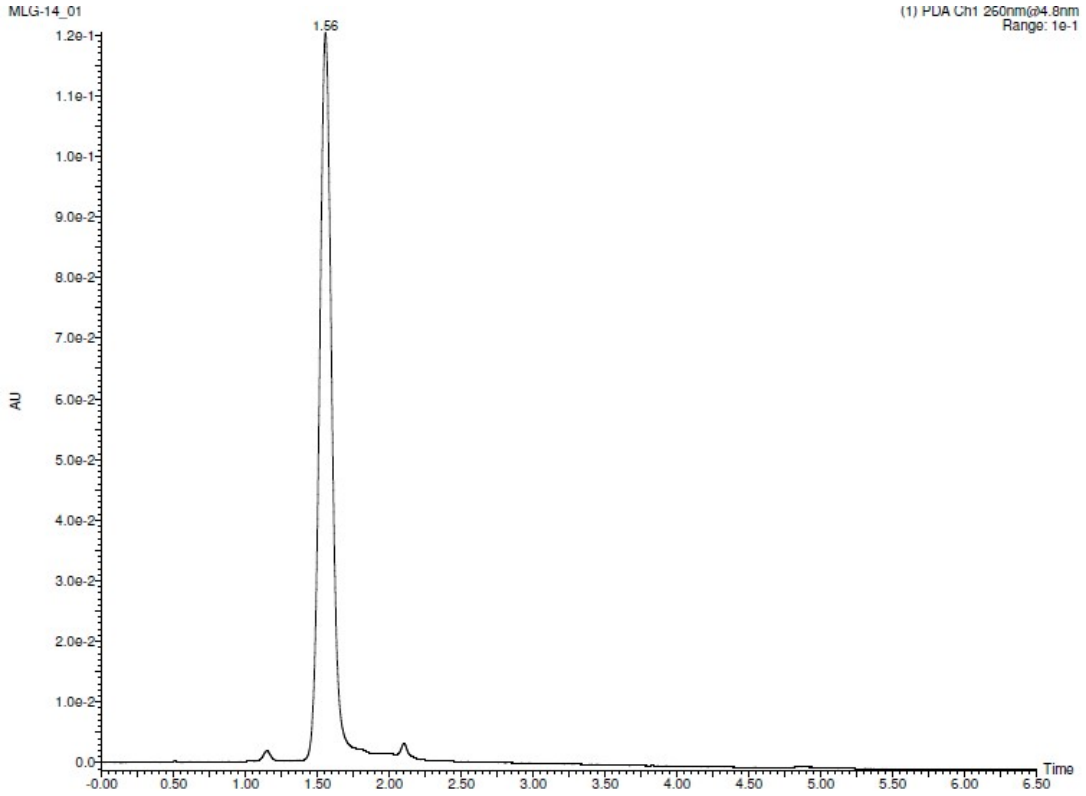


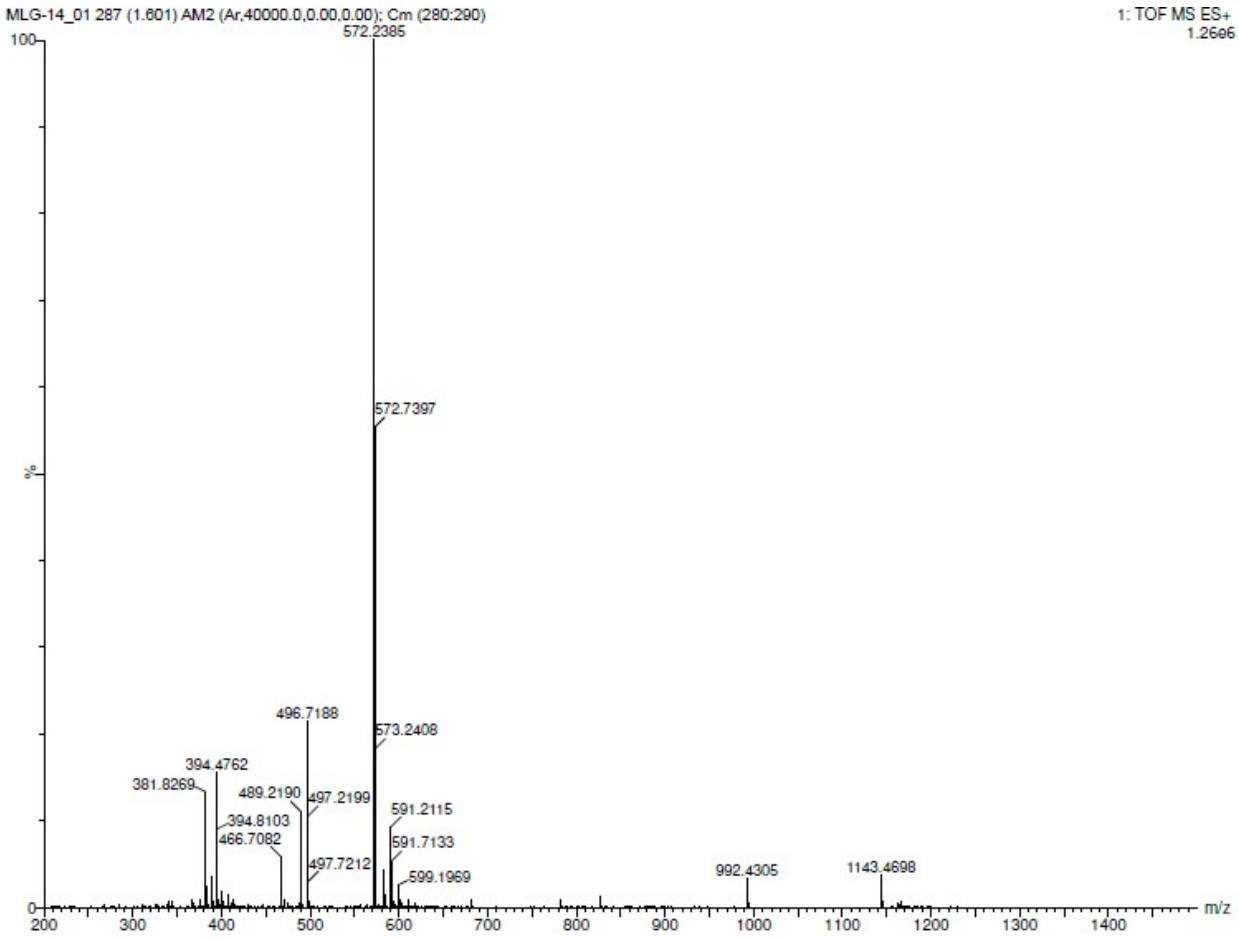


HR-ESI^{+} MS/MS spectrum for ion with m/z 1201.67.

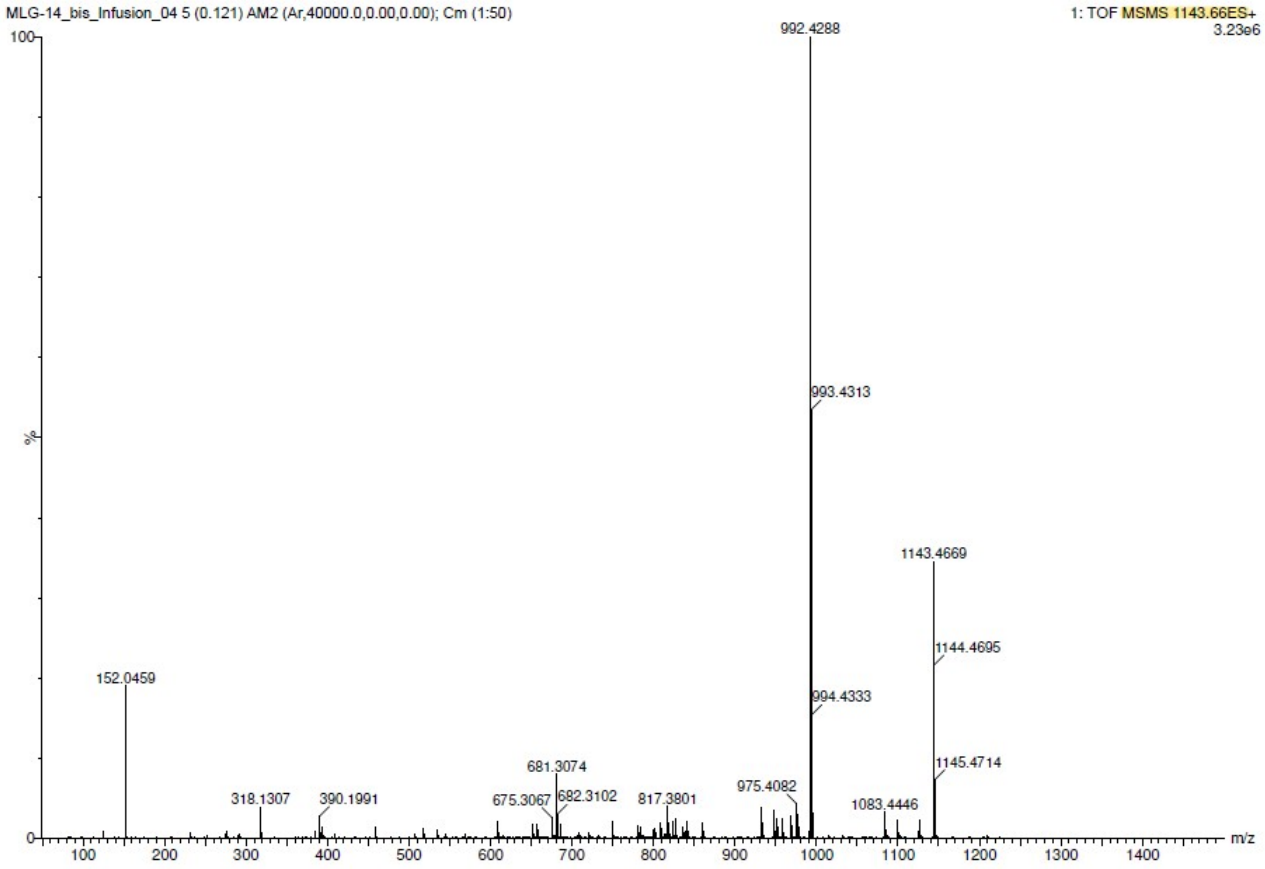


UPLC-PAD trace of tetramer **3** measured at 260 nm (above) and HR-ESI$^+$ MS spectrum of the corresponding peak (below).




MLG-14_01 287 (1.601) AM2 (Ar,40000.0,0.00,0.00); Cm (280:290)
1: TOF MS ES+
1.26e6
100
%
0
572.2385
572.7397
496.7188
573.2408
394.4762
381.8269
489.2190
497.2199
591.2115
394.8103
466.7082
591.7133
497.7212
599.1969
992.4305
1143.4698
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
m/z

HR-ESI^{+} MS/MS spectrum for ion with m/z 1143.66.



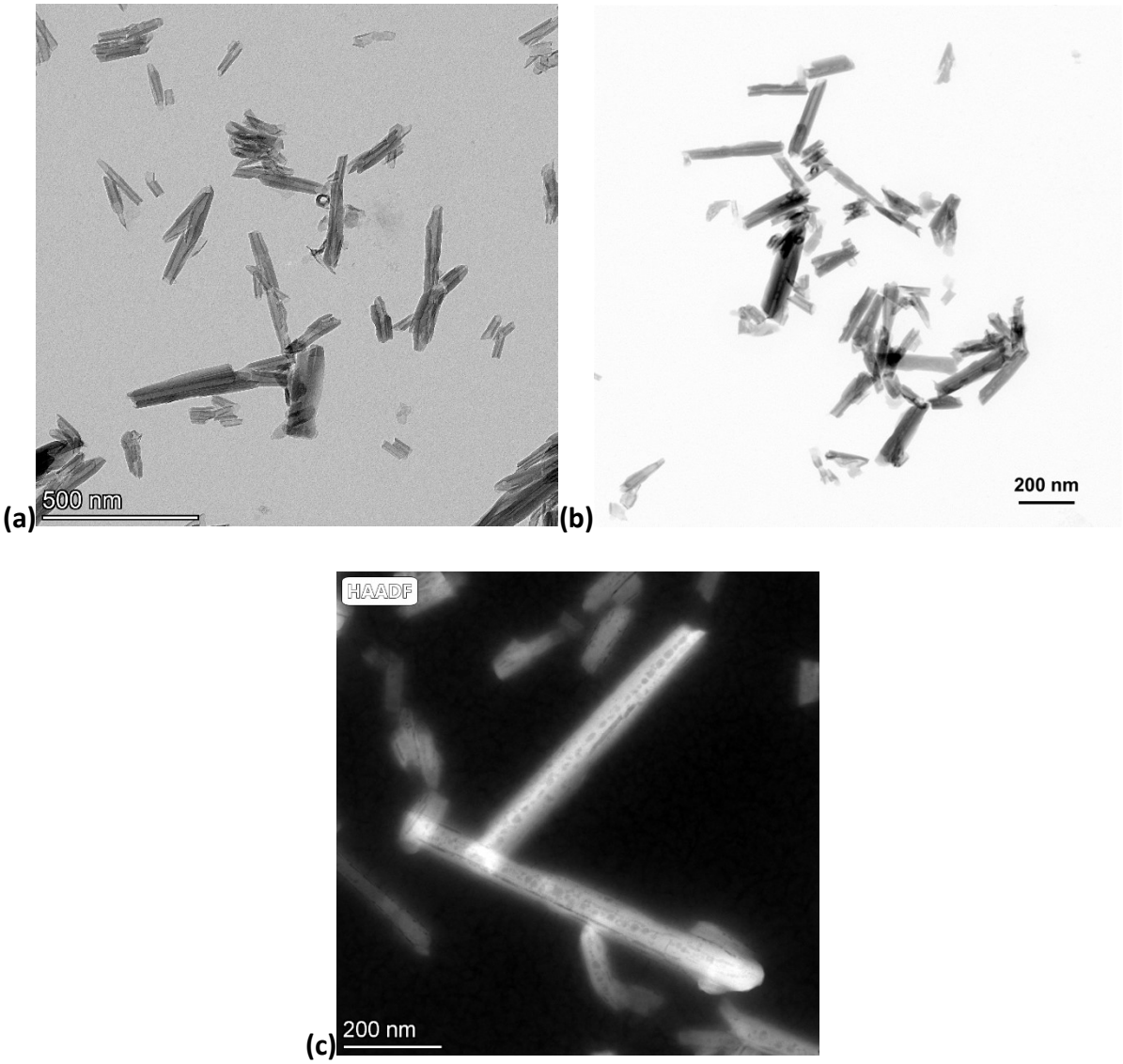


Figure S.1. TEM images of (a) HNTs/**1**, (b) HNTs/**2** and (c) HNTs/**3** nanomaterials.