

# **Supporting Information**

## **Inhibition of HIV replication by cyclic and hairpin PNAs targeting the HIV-1 TAR RNA loop**

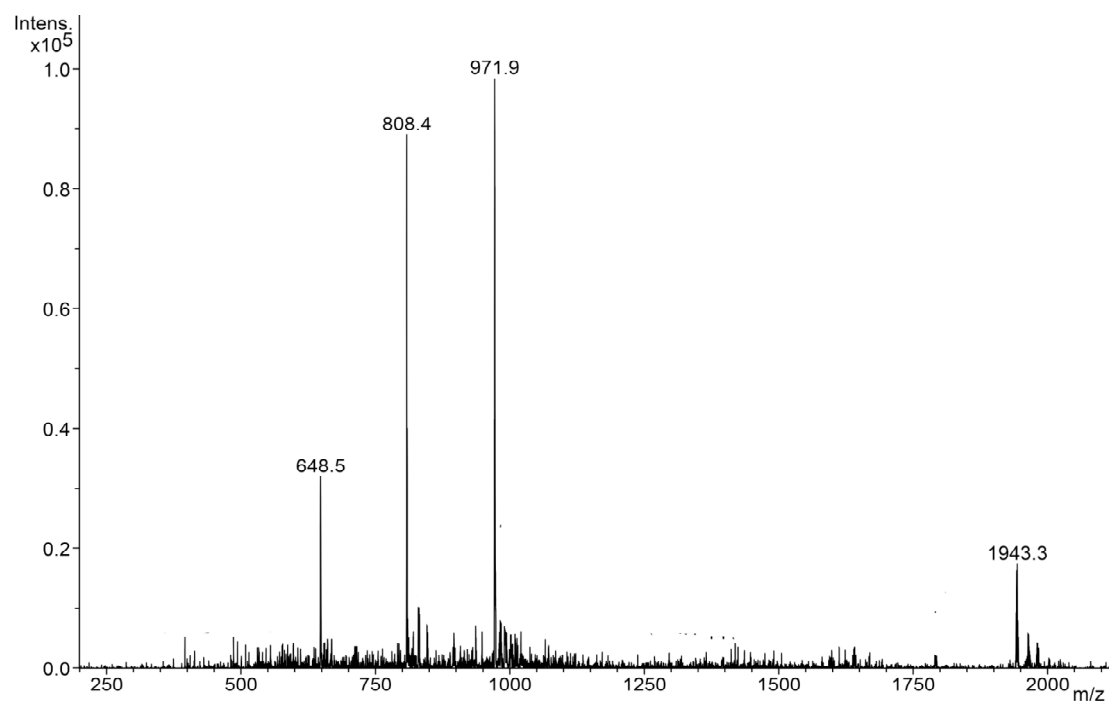
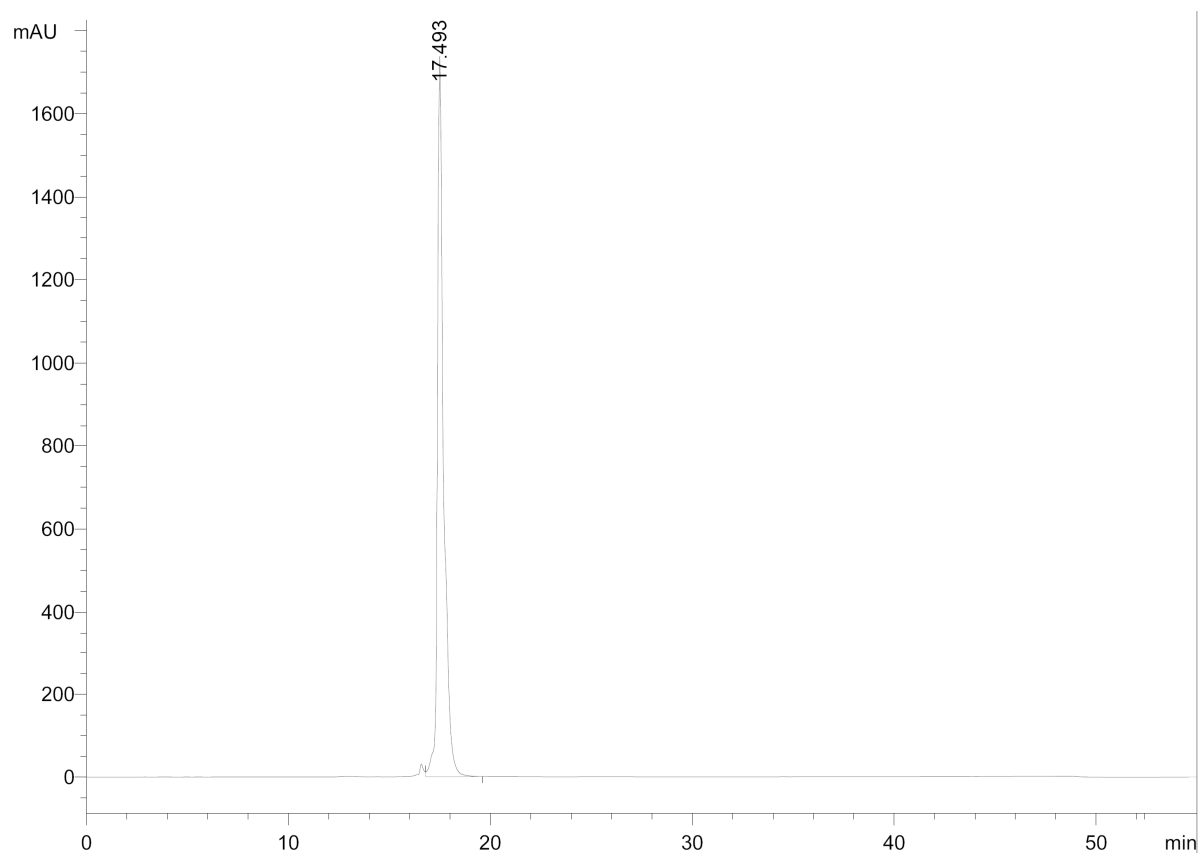
Gregory Upert, Audrey Di Giorgio, Alok Upadhyay, Dinesh Manvar, Nootan Pandey, Virendra N. Pandey\*  
and Nadia Patino\*

**A - HPLC and ESI MS spectra of PNA (3-6) and TPP-[PNA 1a-c, 2-6] .....S2**

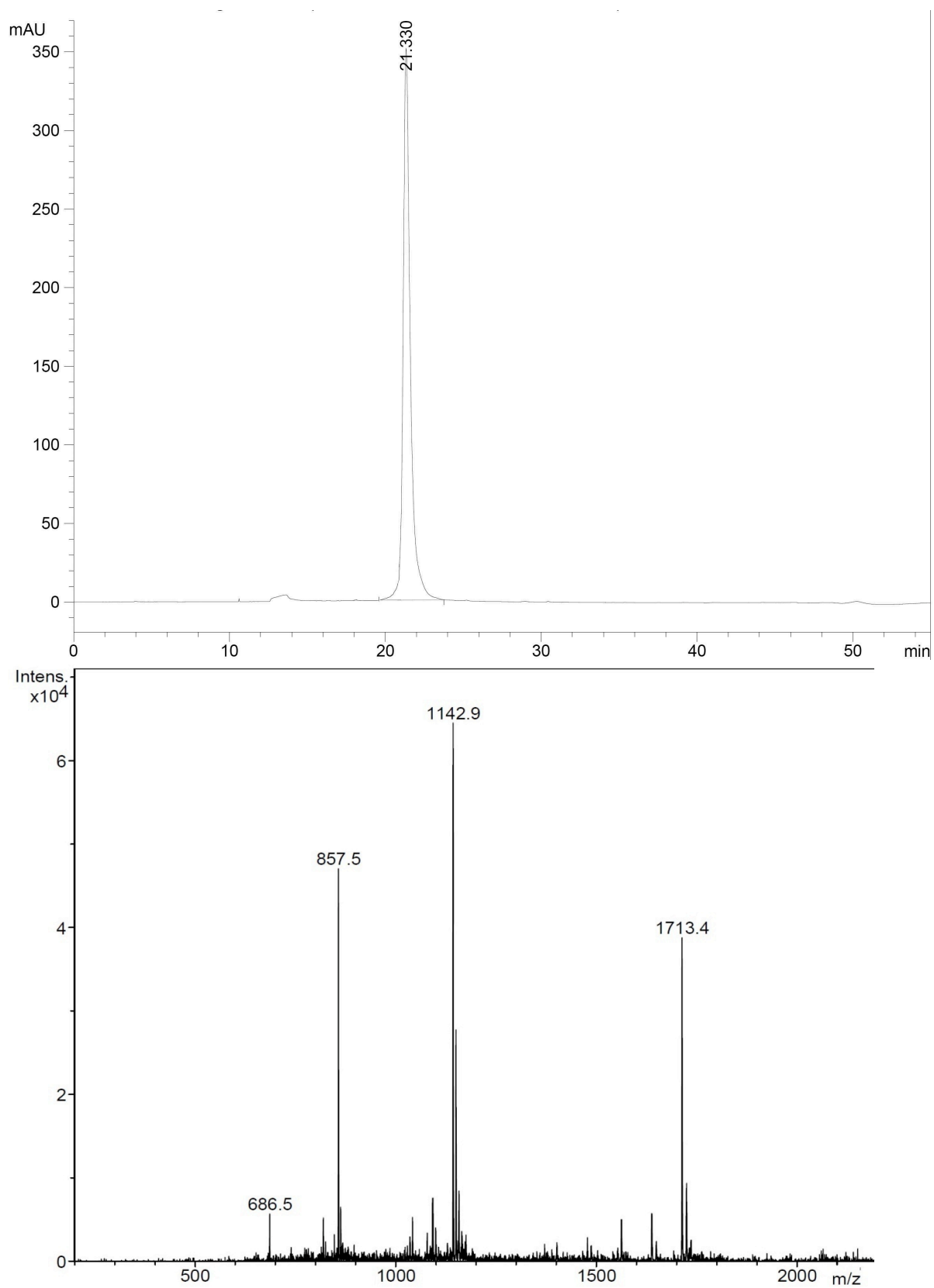
**B - Thermal denaturation followed by UV spectroscopy.....S14**

**A - HPLC and ESI MS spectra of PNAs (3-6) and TPP-[PNA 1a-c, 2-6]**

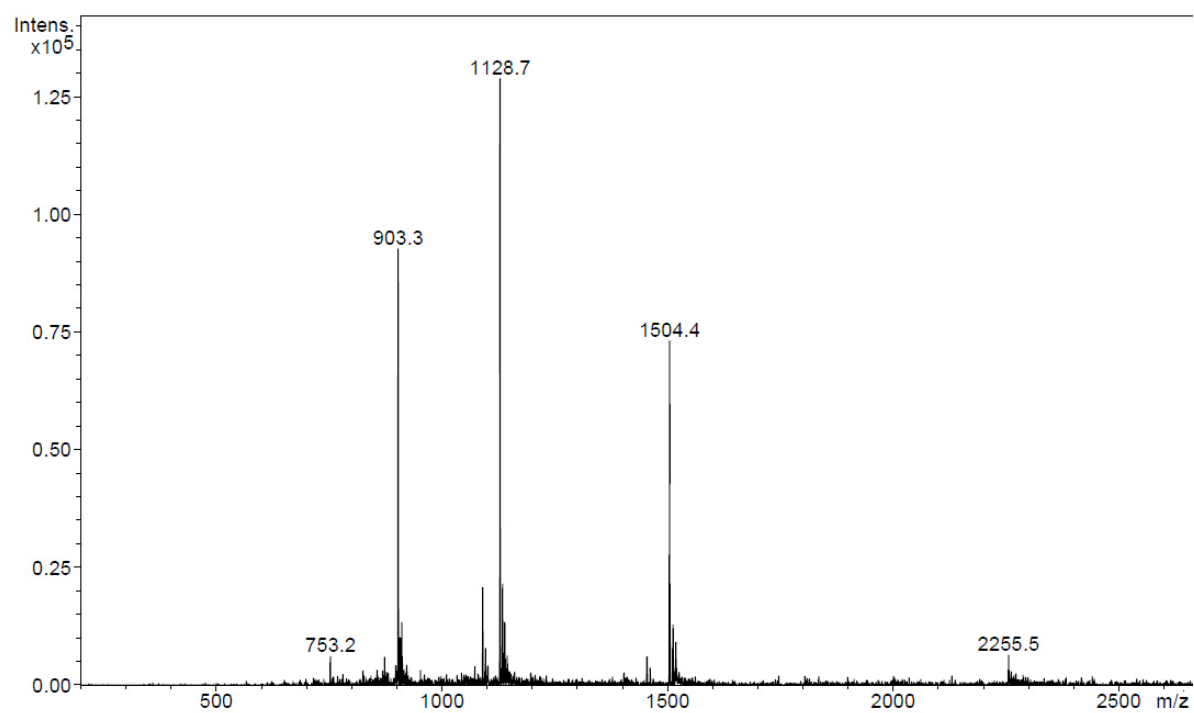
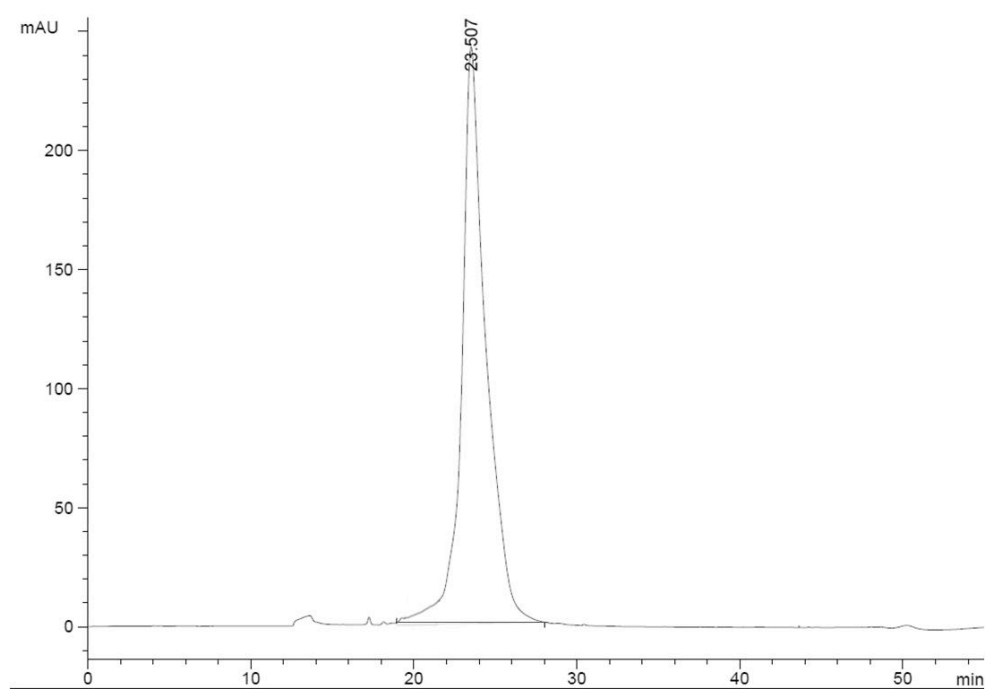
**c(Lys-TCCCAG-Gln)<sub>n=4</sub> (PNA 3)**



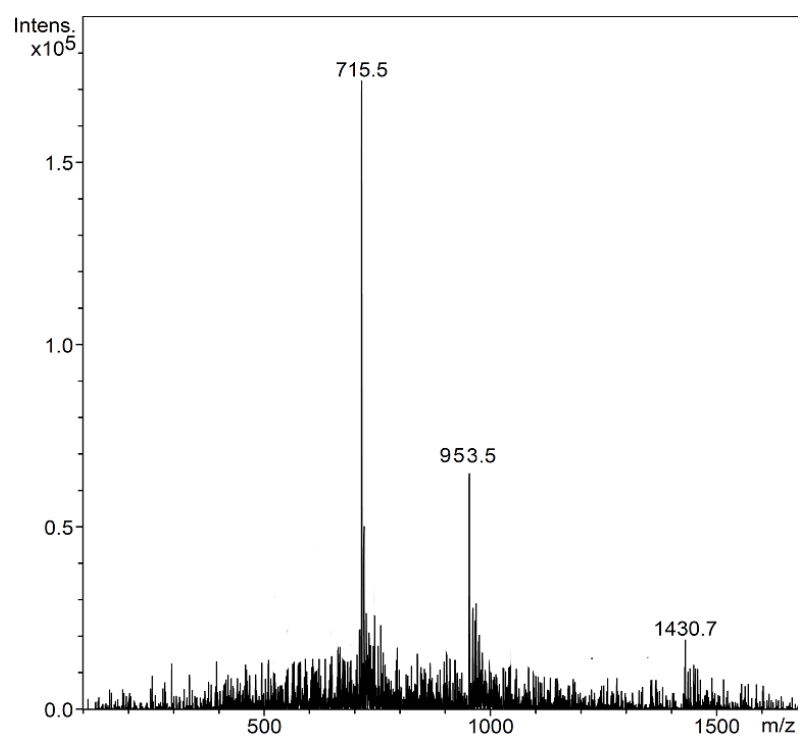
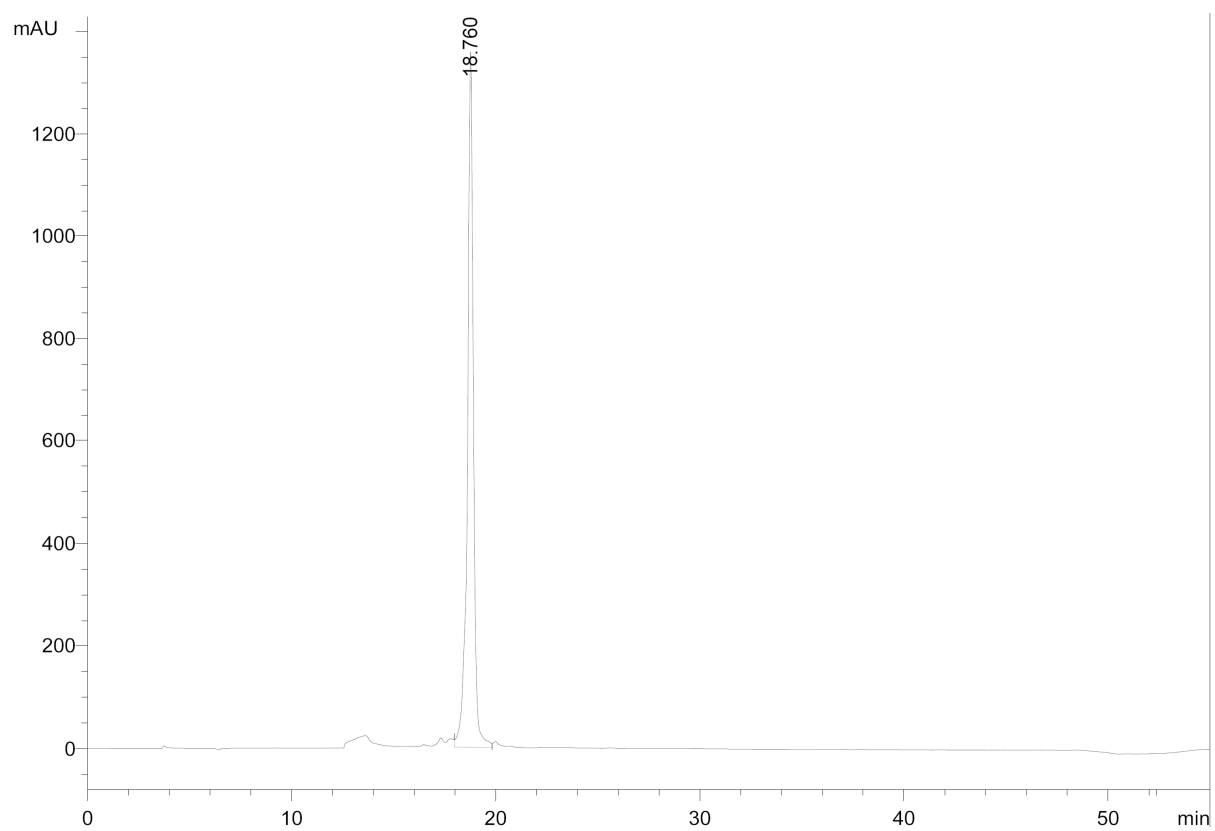
**Ac-Lys-CGGTCCCAGACG-NH<sub>2</sub> (PNA 4)**



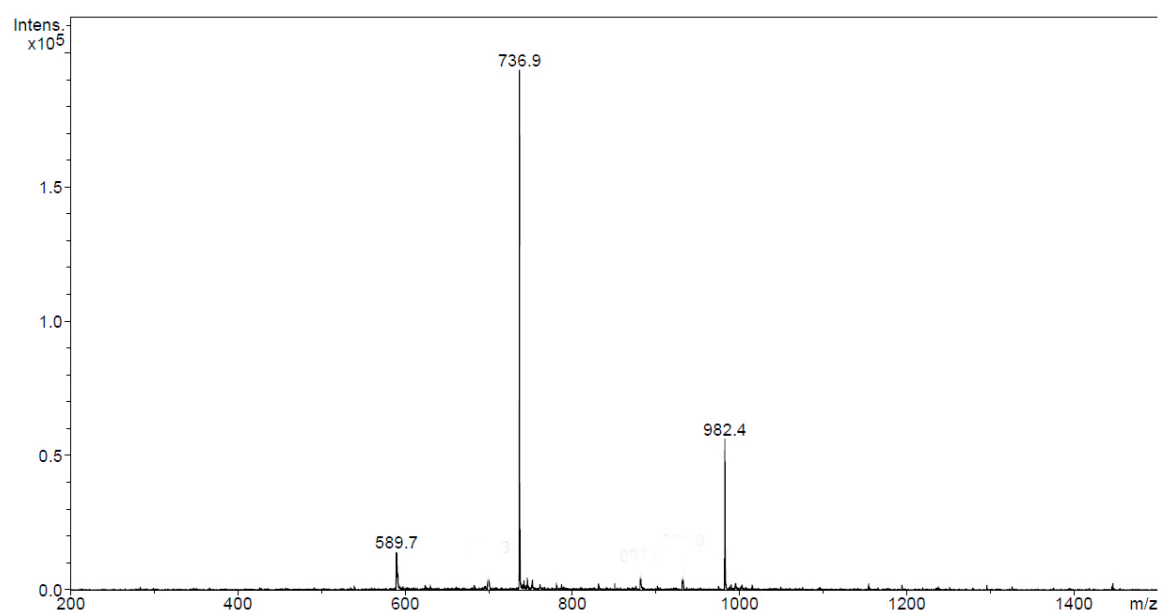
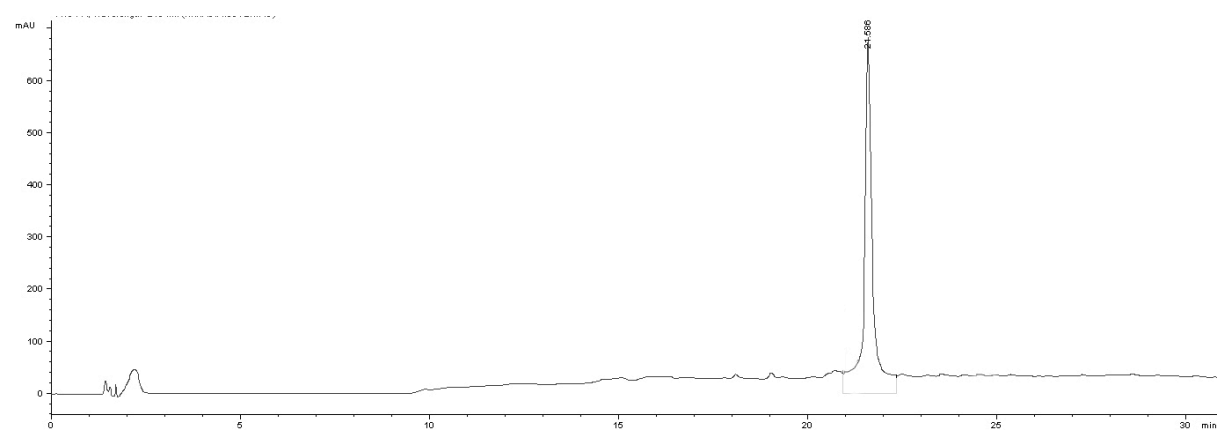
**Ac-Lys-CGCGGTCCCAGACGCG-NH<sub>2</sub> (PNA 5)**



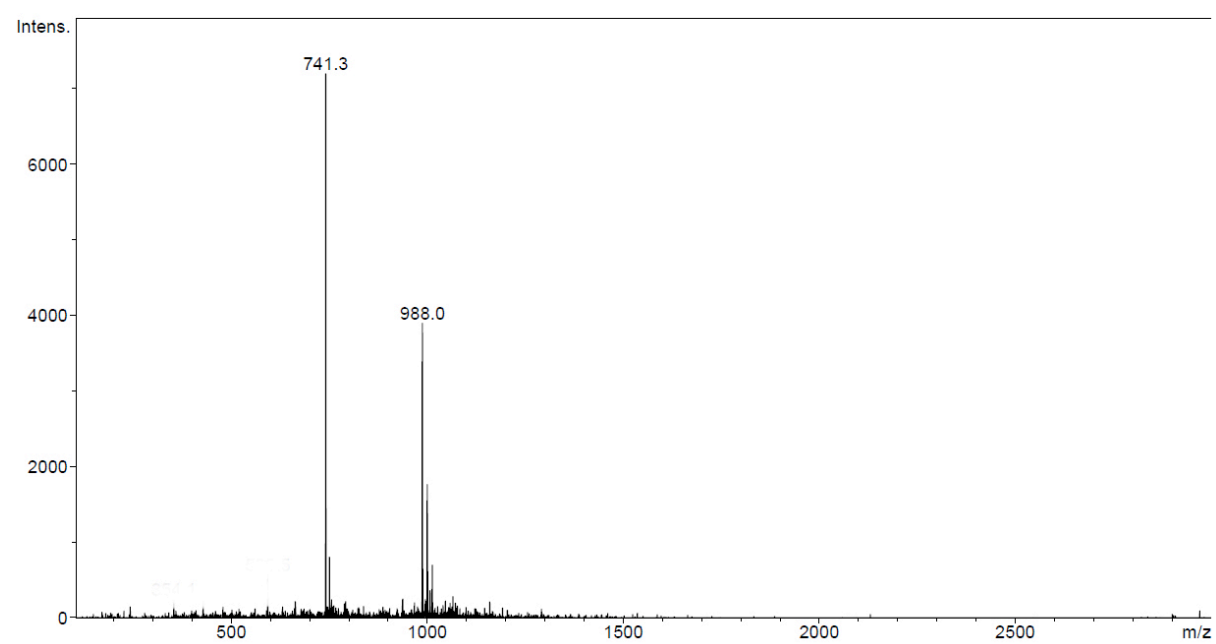
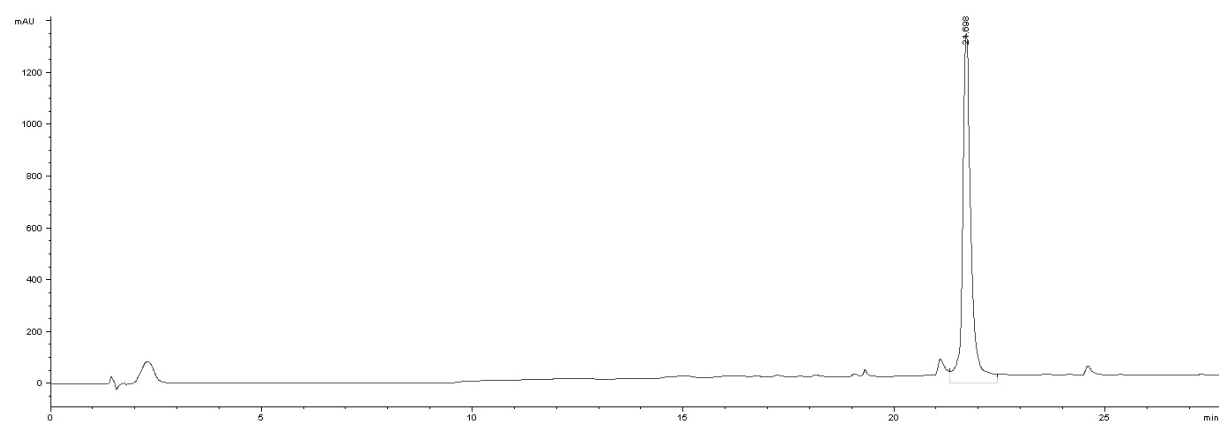
**Ac-Lys-CGTCCCAGCG-NH<sub>2</sub> (PNA 6)**



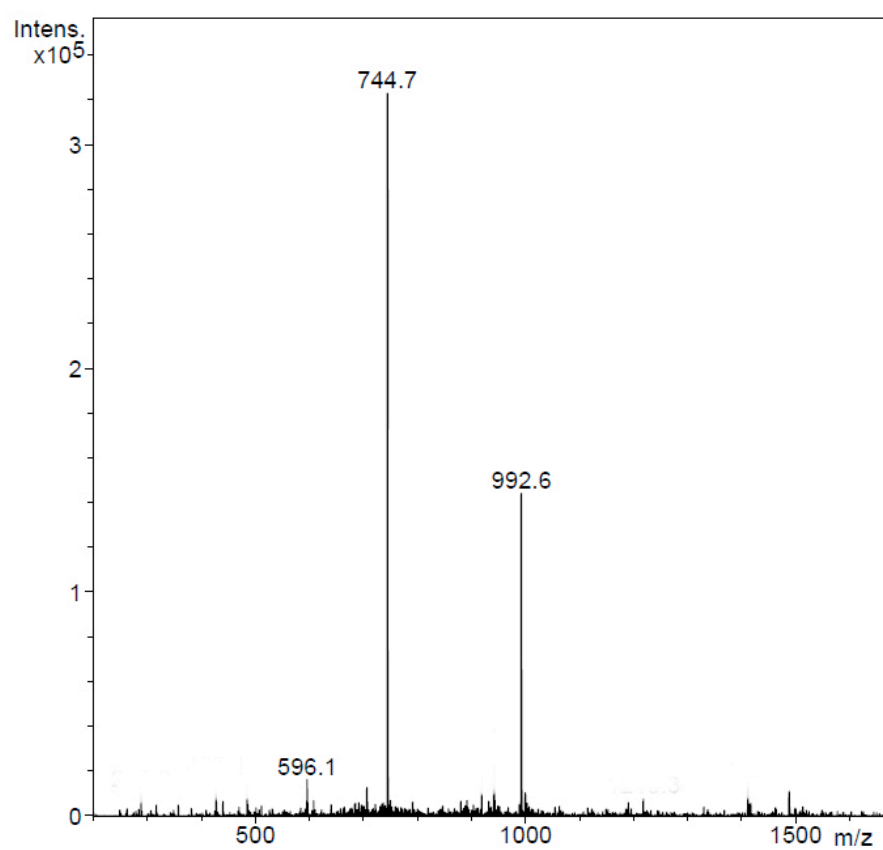
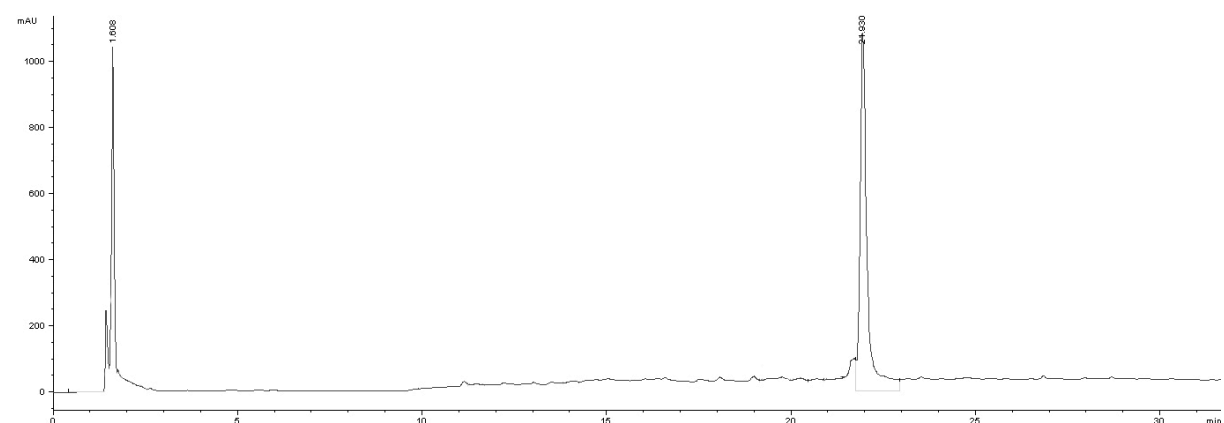
## TPP-[PNA 1a]



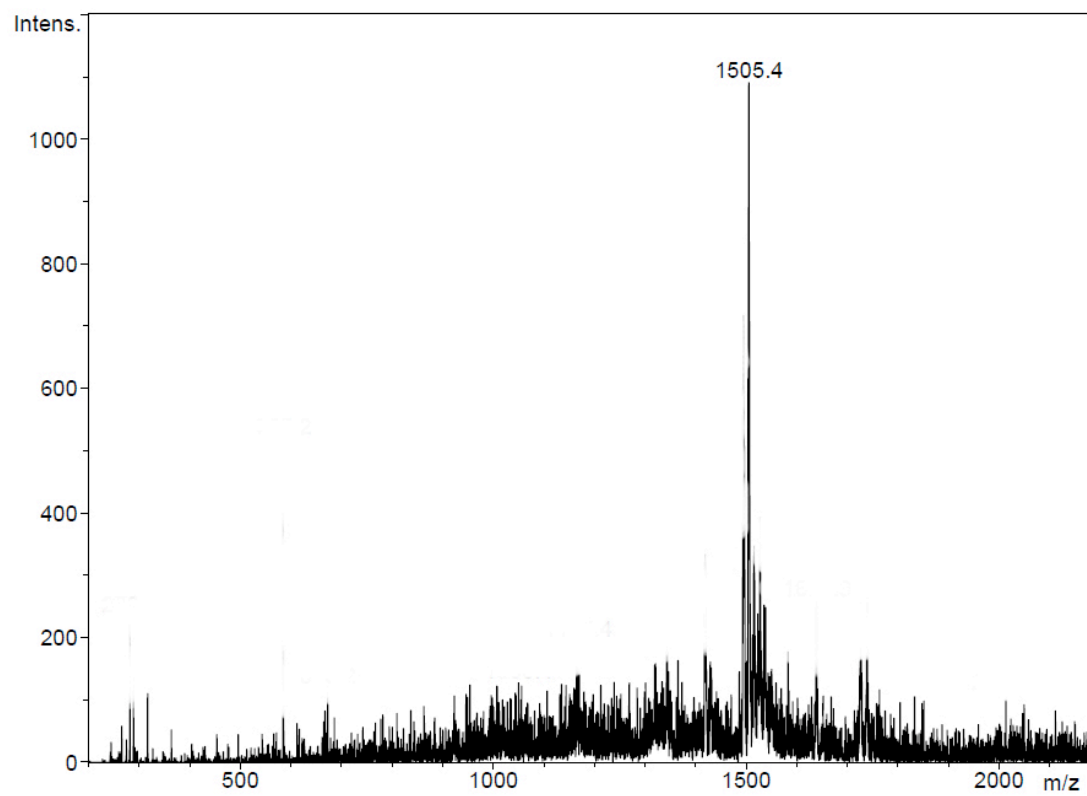
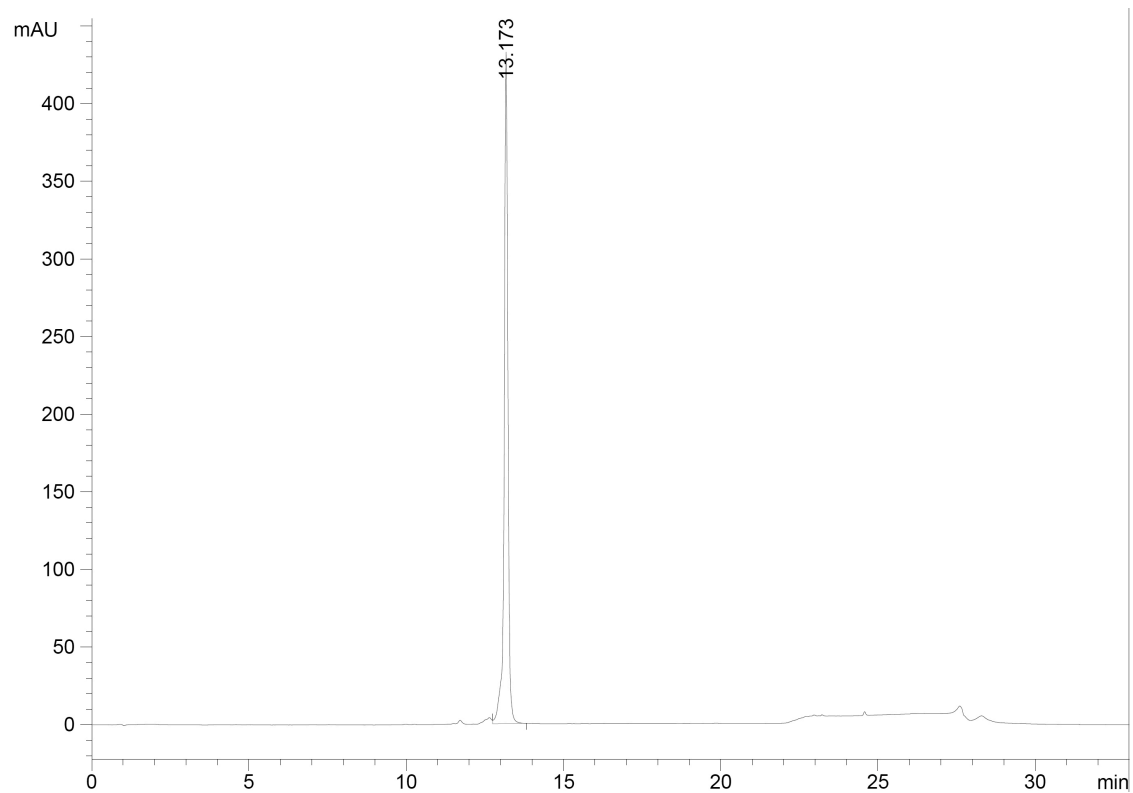
## TPP-[PNA 1b]



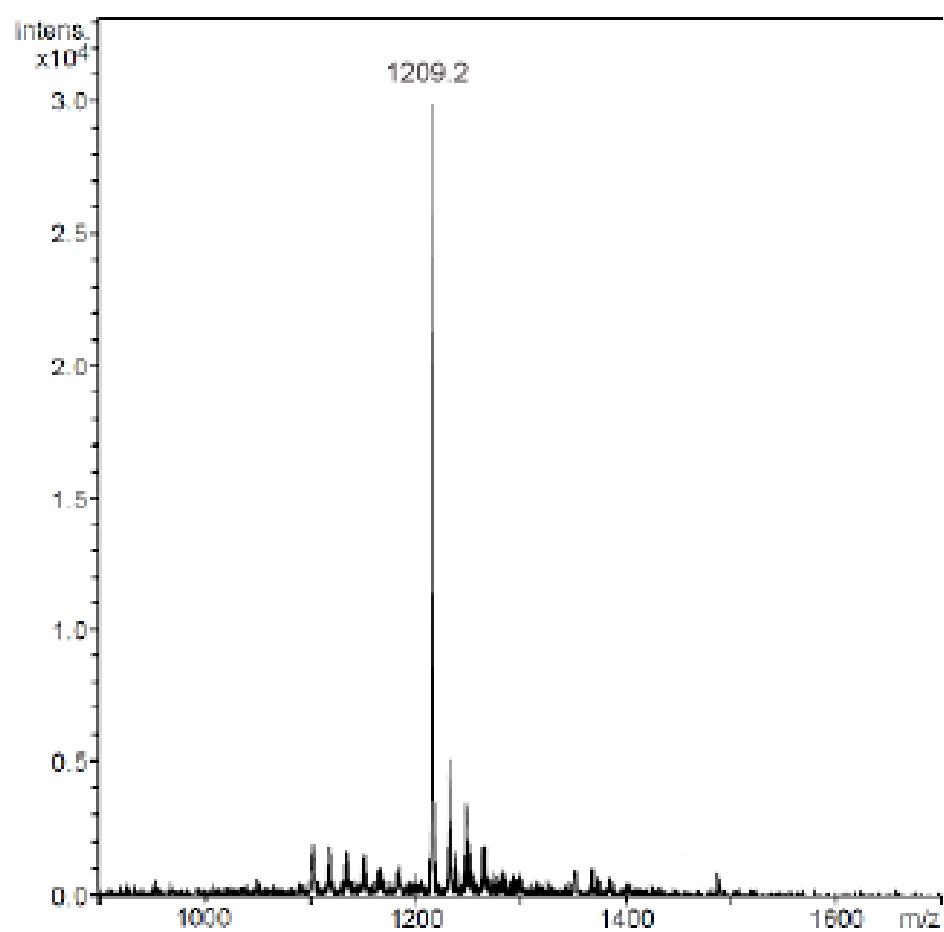
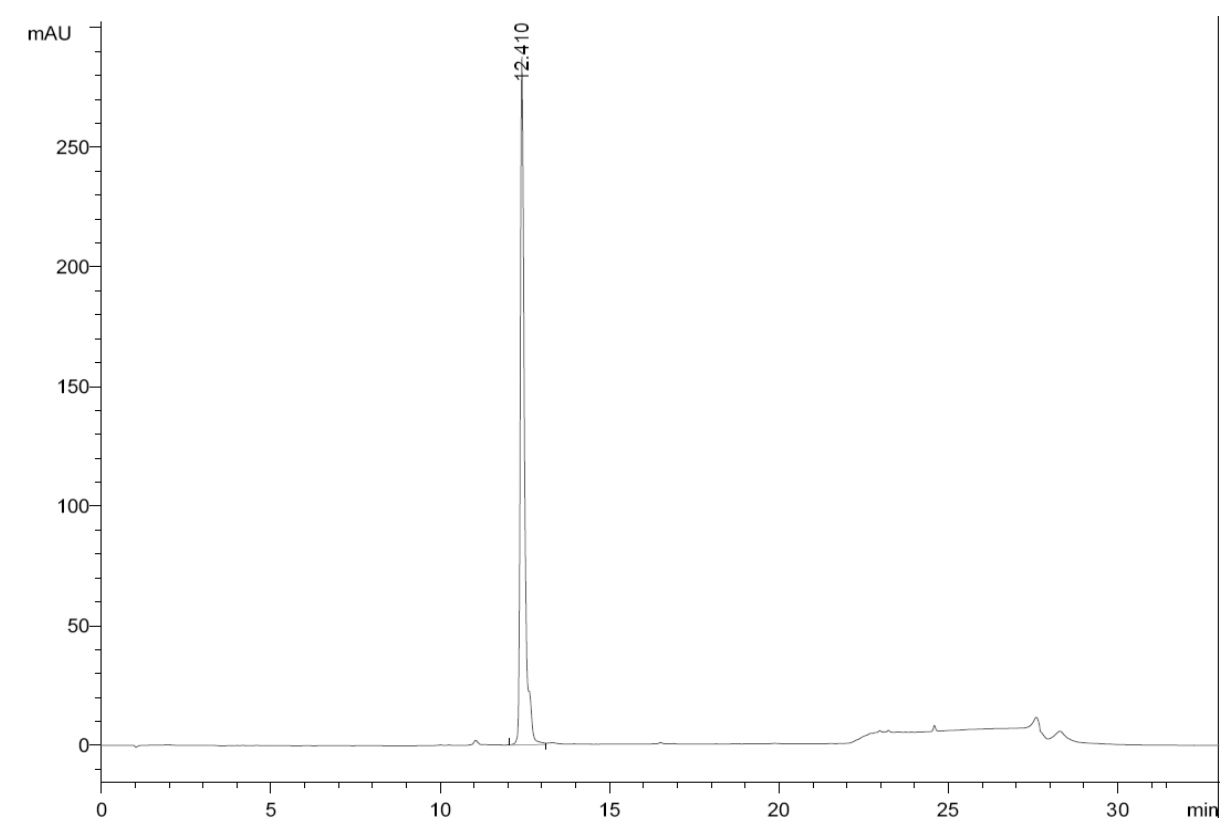
## TPP-[PNA 1c]



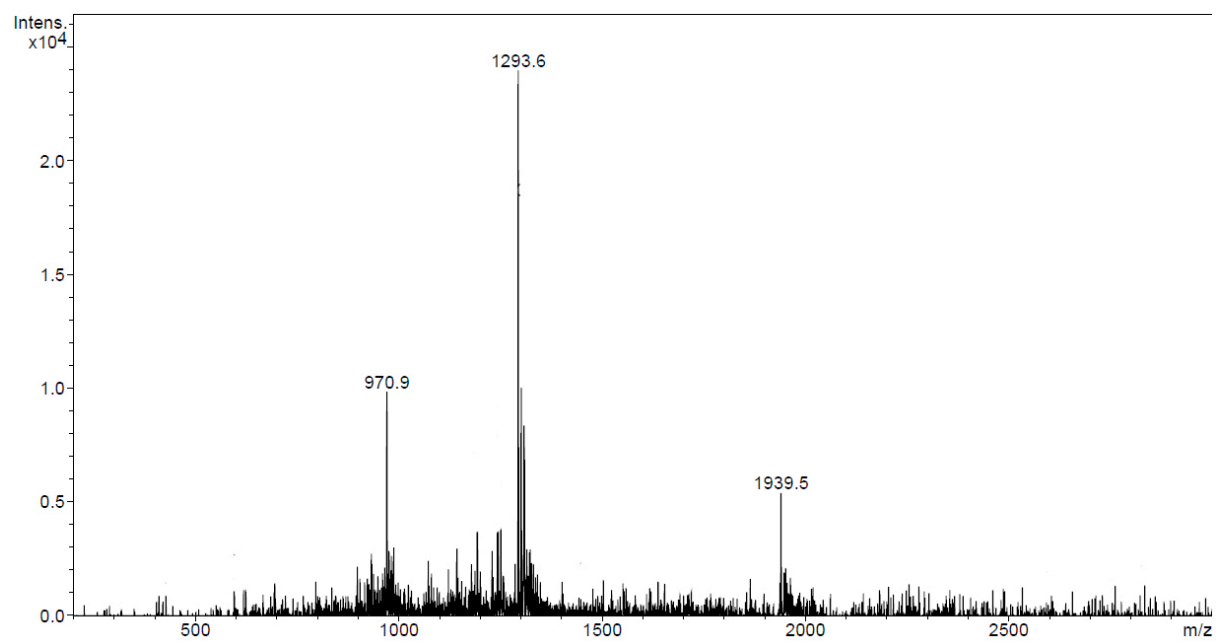
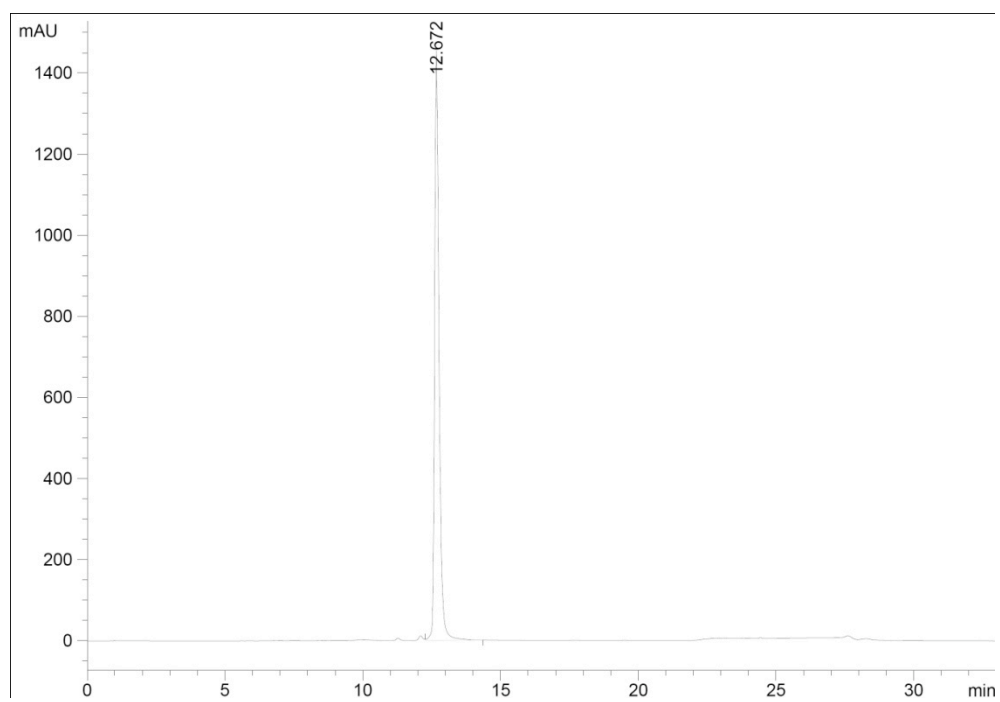
# TPP-[PNA 2]



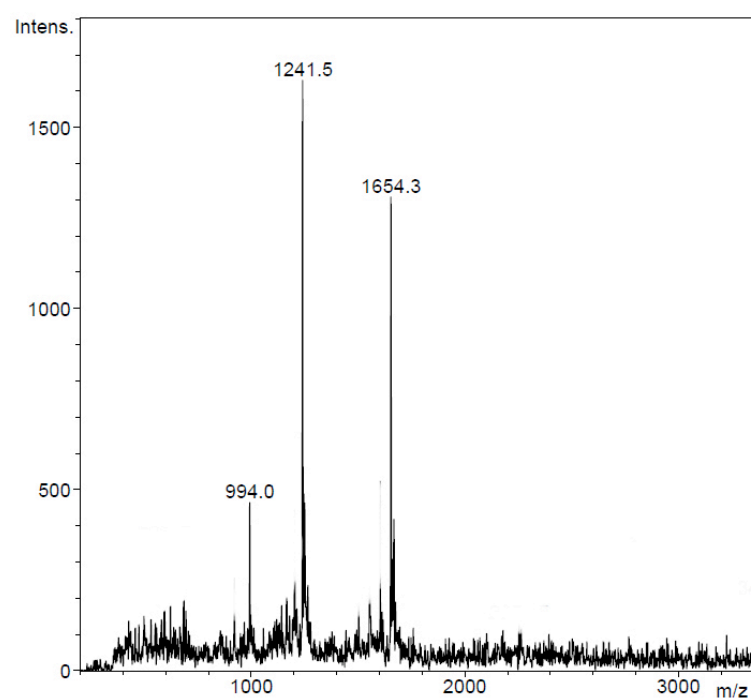
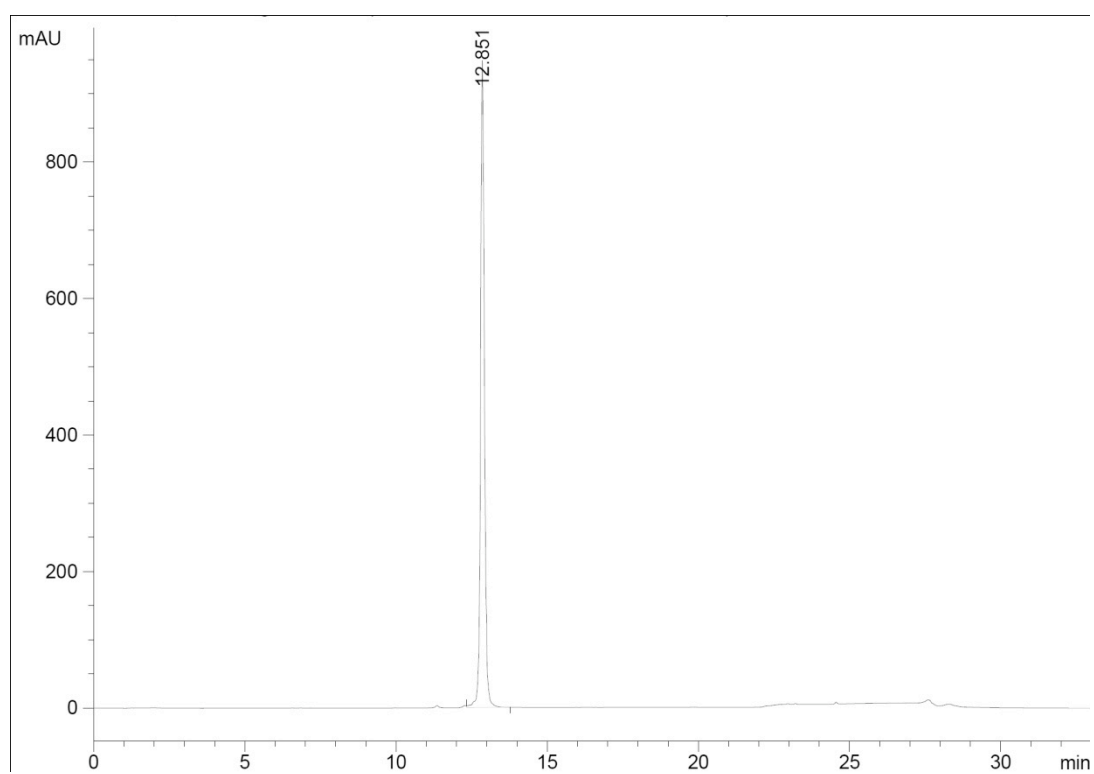
# TPP-[PNA 3]



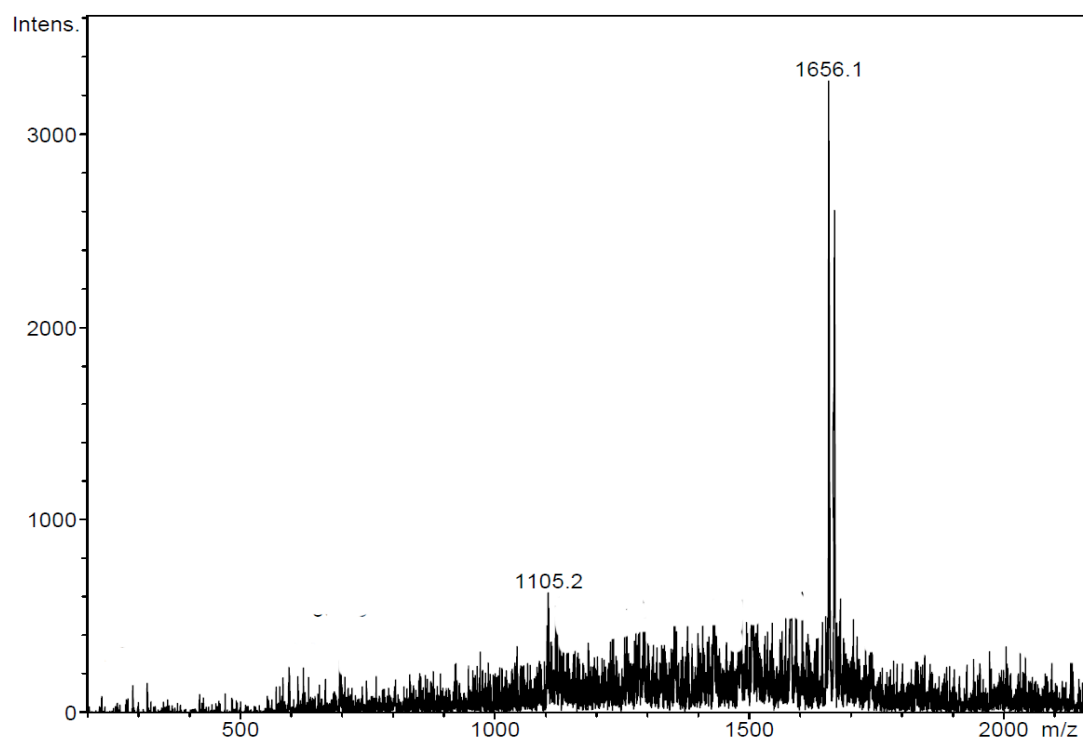
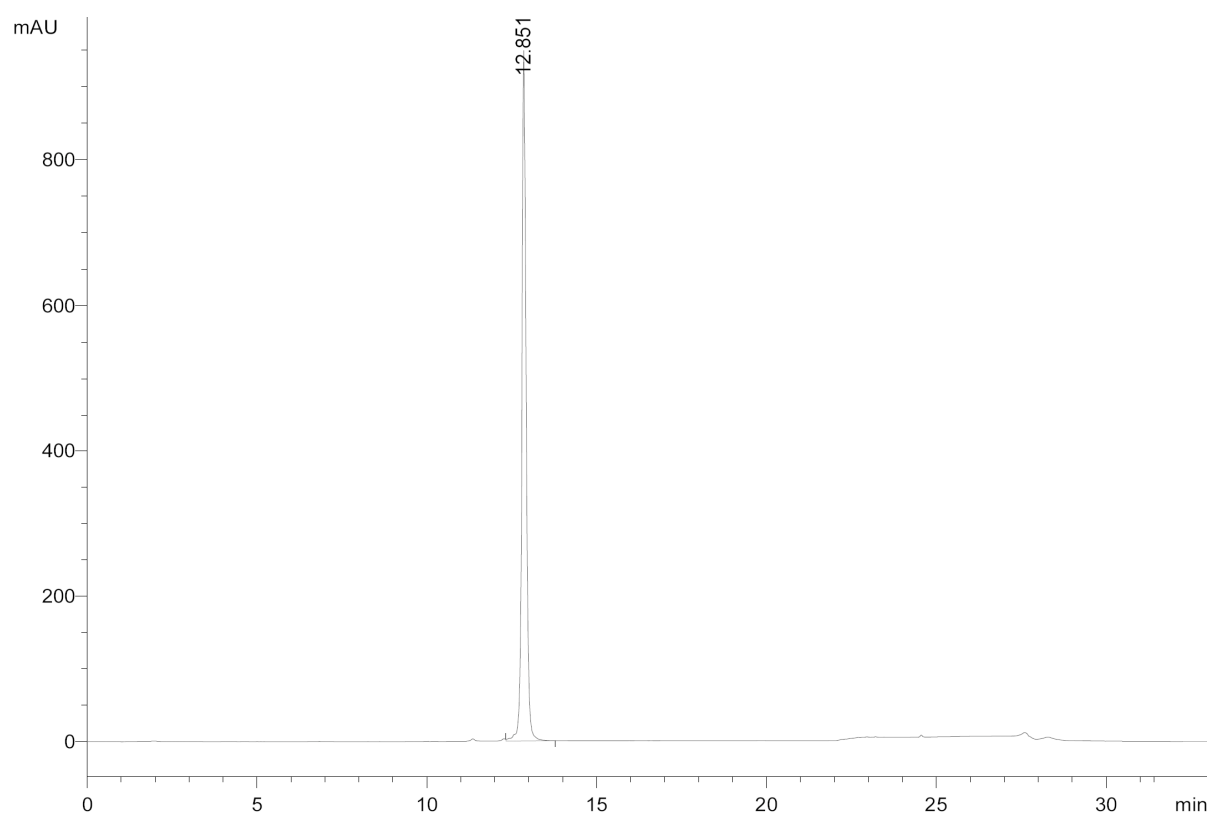
## TPP-[PNA 4]



# TPP-[PNA 5]



# TPP-[PNA 6]



## B - Thermal denaturation followed by UV spectroscopy

