

Supplementary information to:

Influence of amino acid and N-terminal protection residue structures on peptide p-nitroanilide adsorption on polystyrene-based support. Amino acids. Alena V. Kolesnichenko, Nathalia A. Kazmina, Alexey A. Chistov, Roman G. Vakhrenev, Ekaterina F. Kolesanova*

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HPLC and MS characteristics of X_1 -AX₂R-pAA and X_1 -AX₂R pNA preparations, where pAA – p-aminoanilide, pNA – p-nitroanilide, X_1 – carbobenzoxy(Z), toluene sulfonyl, or tosyl(Tos) or glutaryl(glut), X_2 – Phe(F), Tyr(Y) or Trp(W).

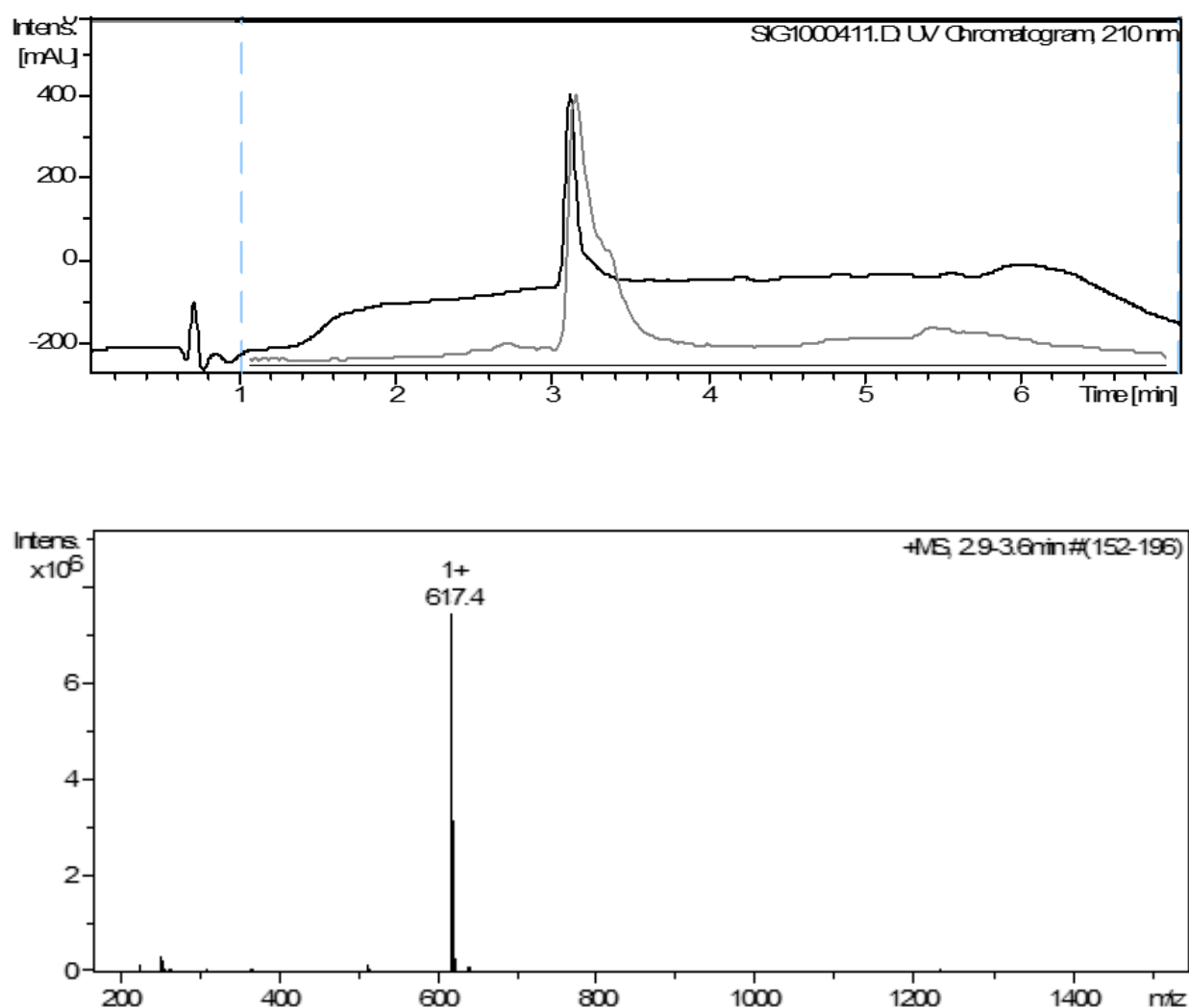


Fig. S1. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z-AFR-pAA.

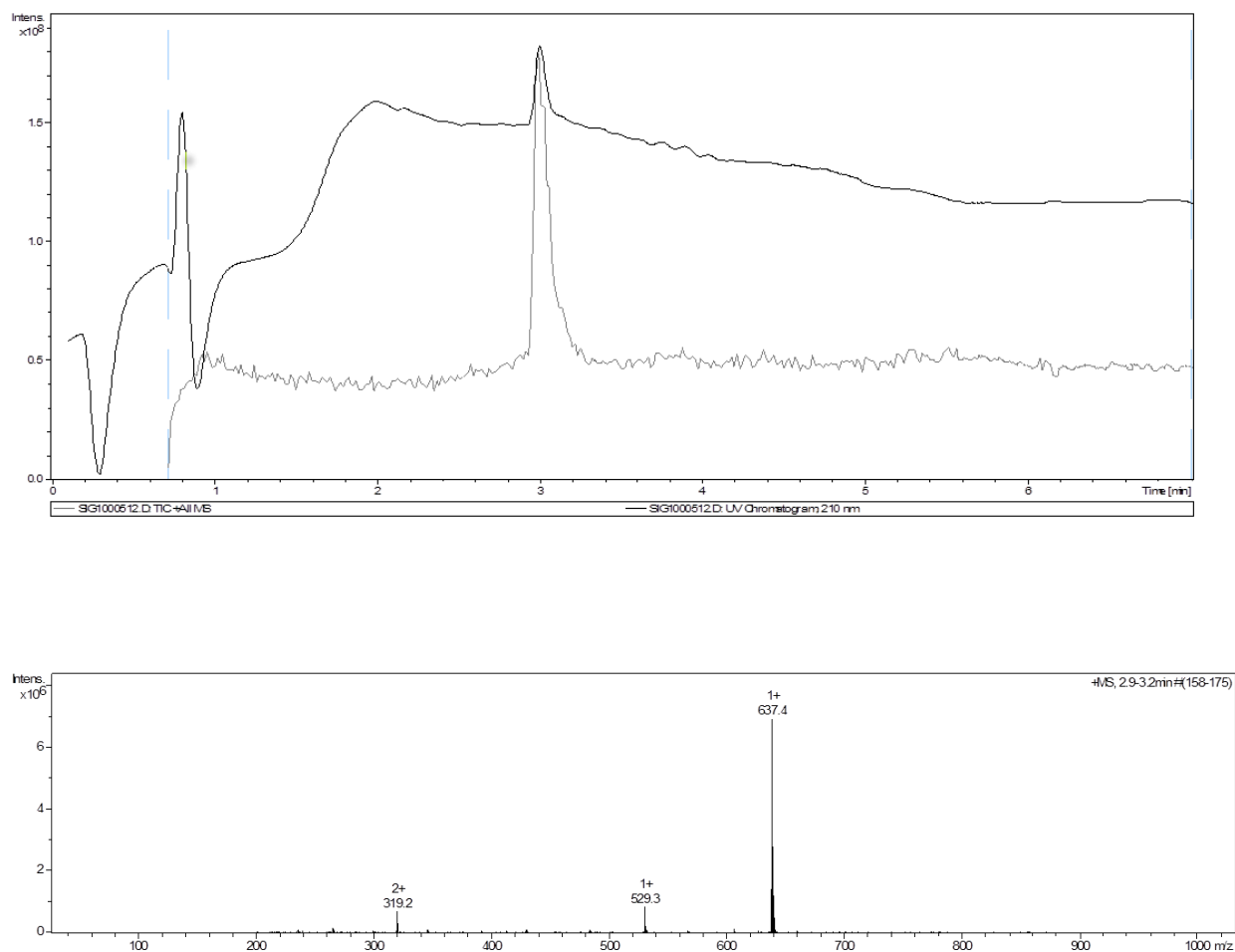


Fig. S2. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Tos-AFR-pAA.

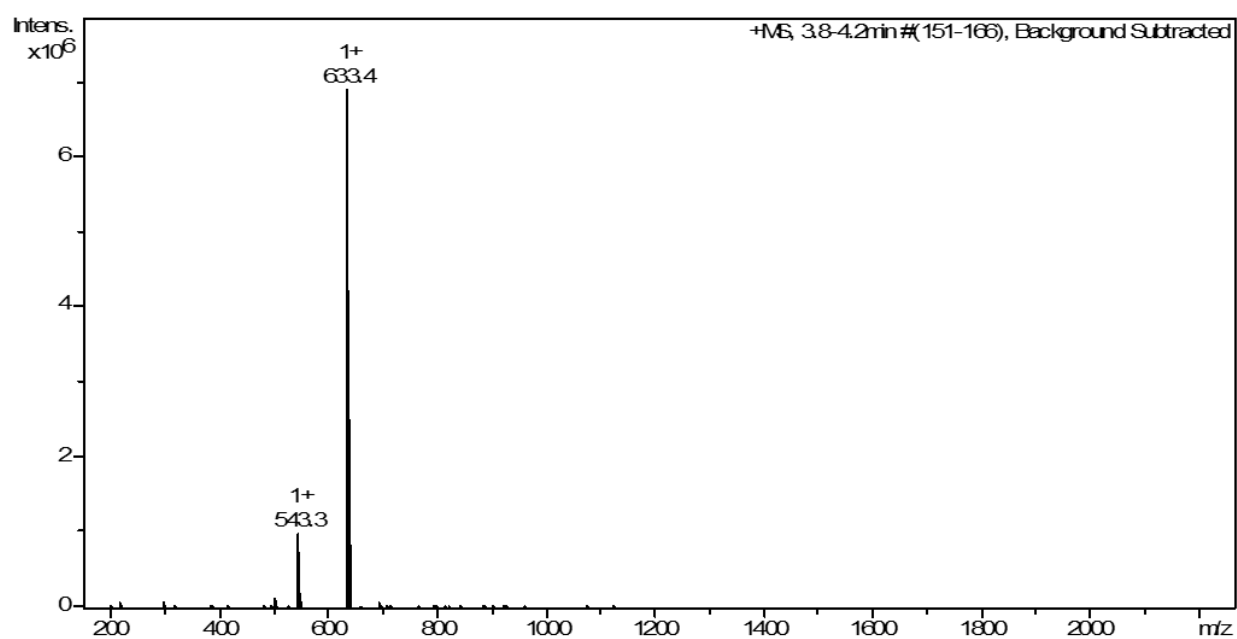
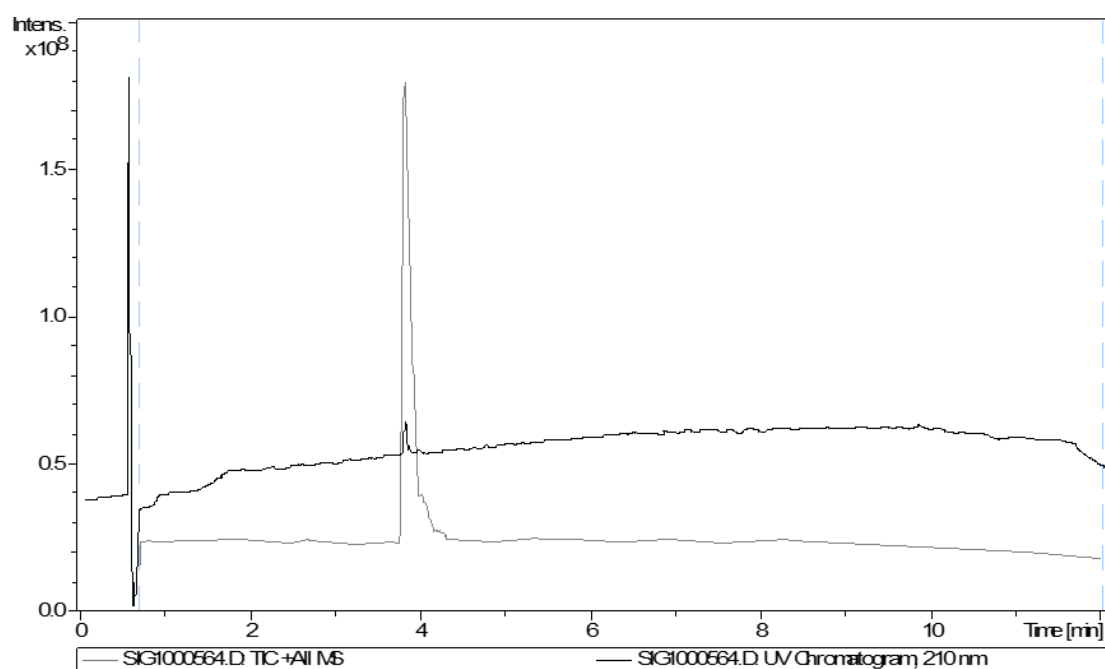


Fig. S3. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z-AYR-pAA.

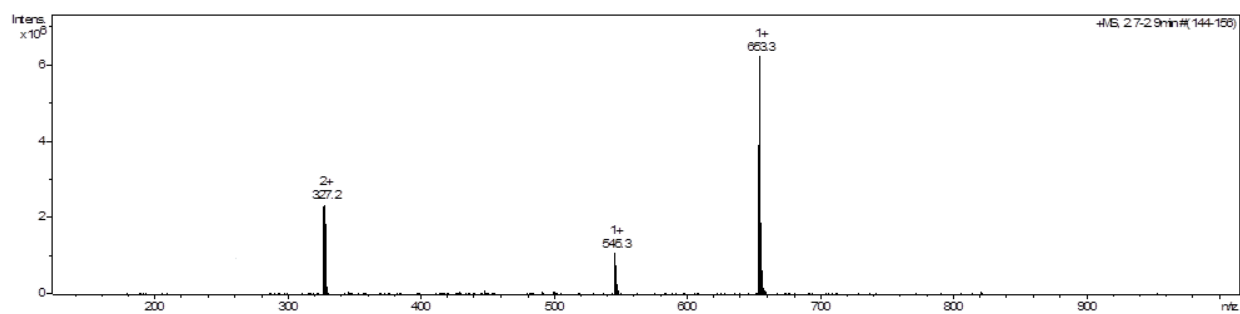
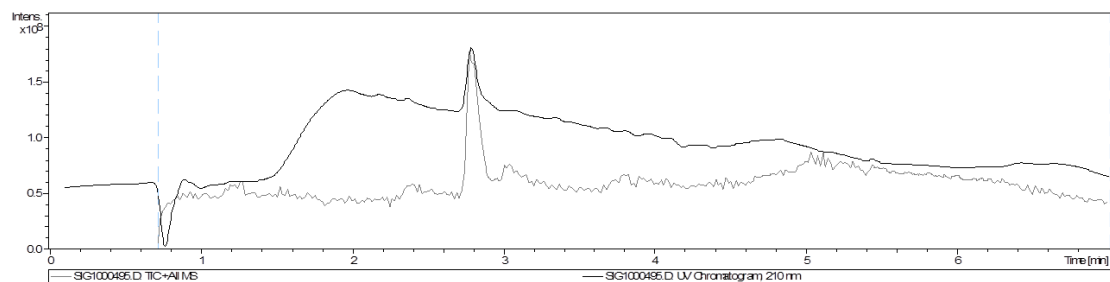


Fig. S4. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Tos-AYR-pAA.

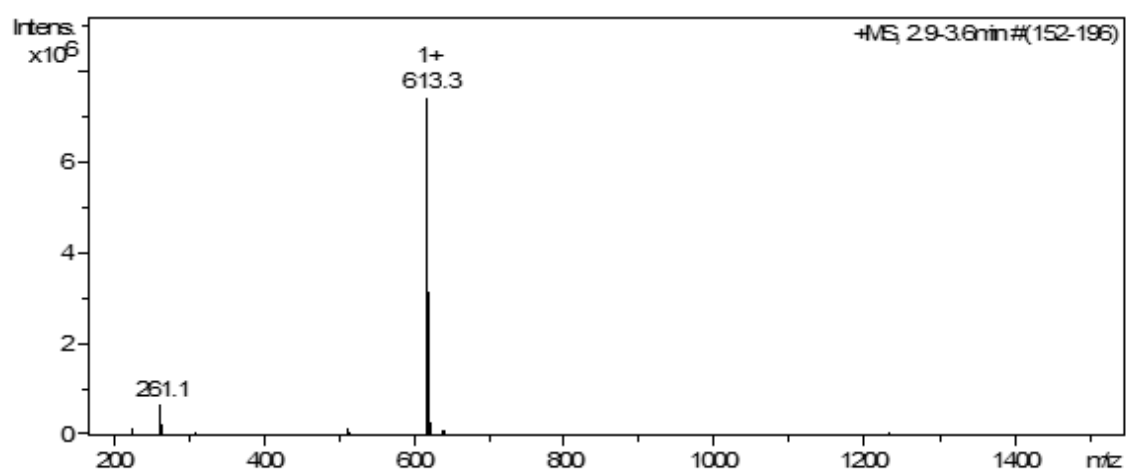
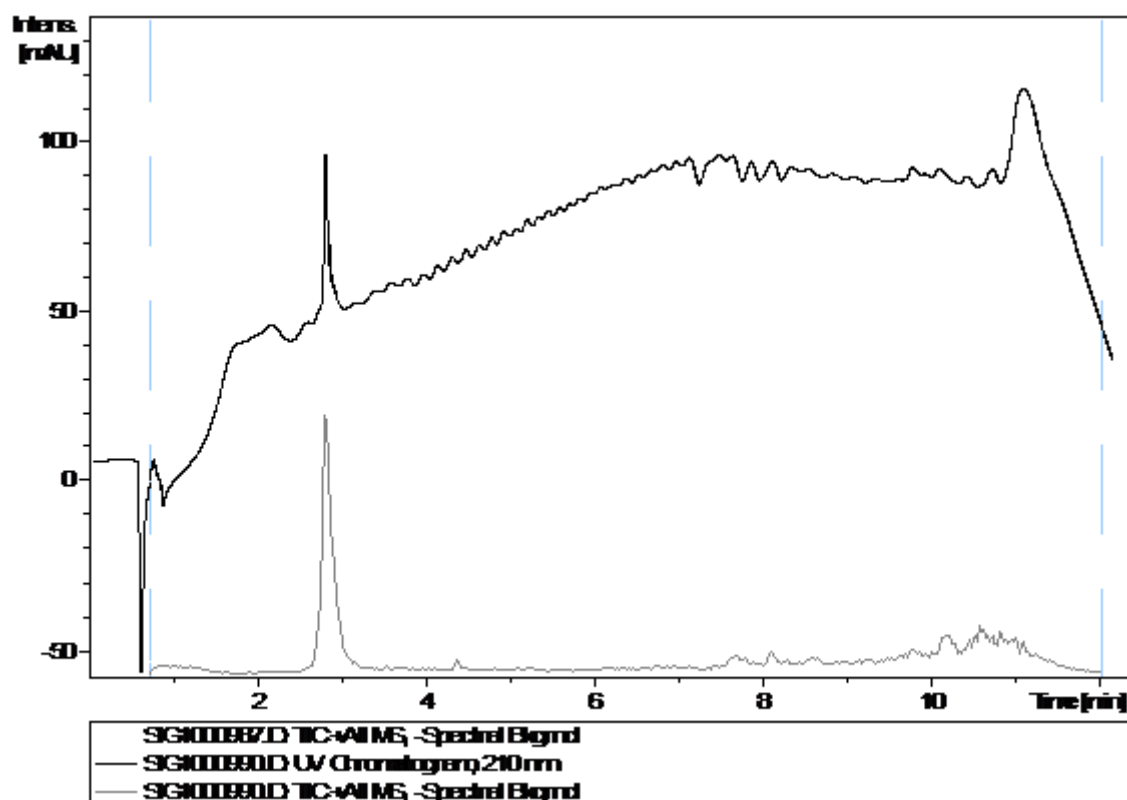


Fig. S5. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of glut-AYR-pAA.

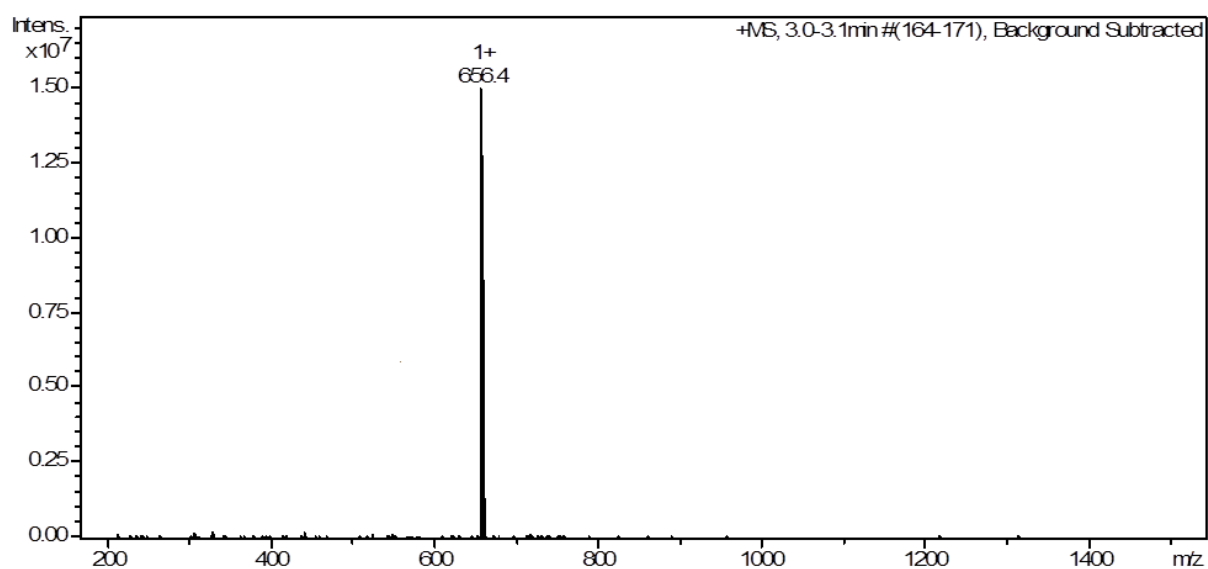
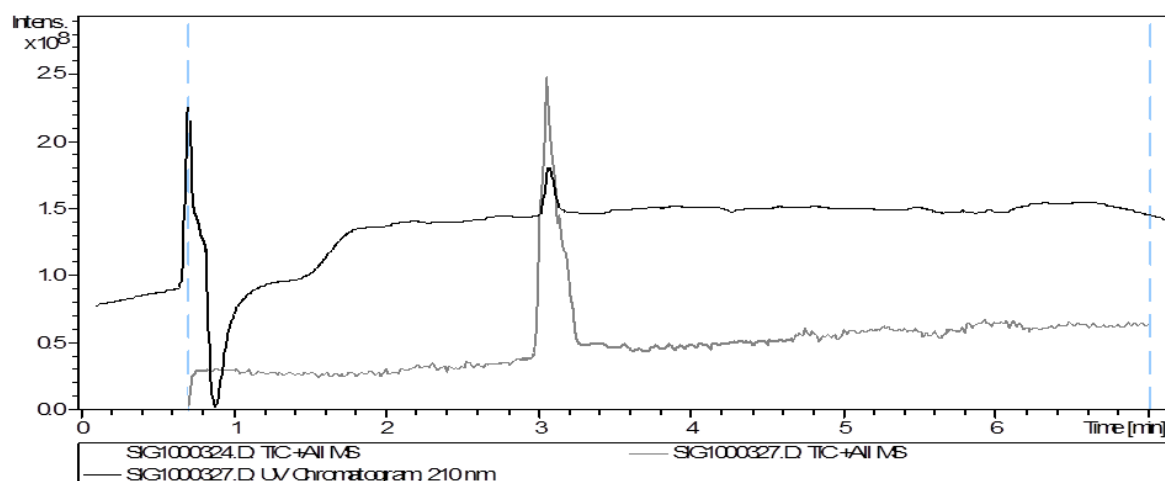


Fig. S6. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z-AWR-pAA.

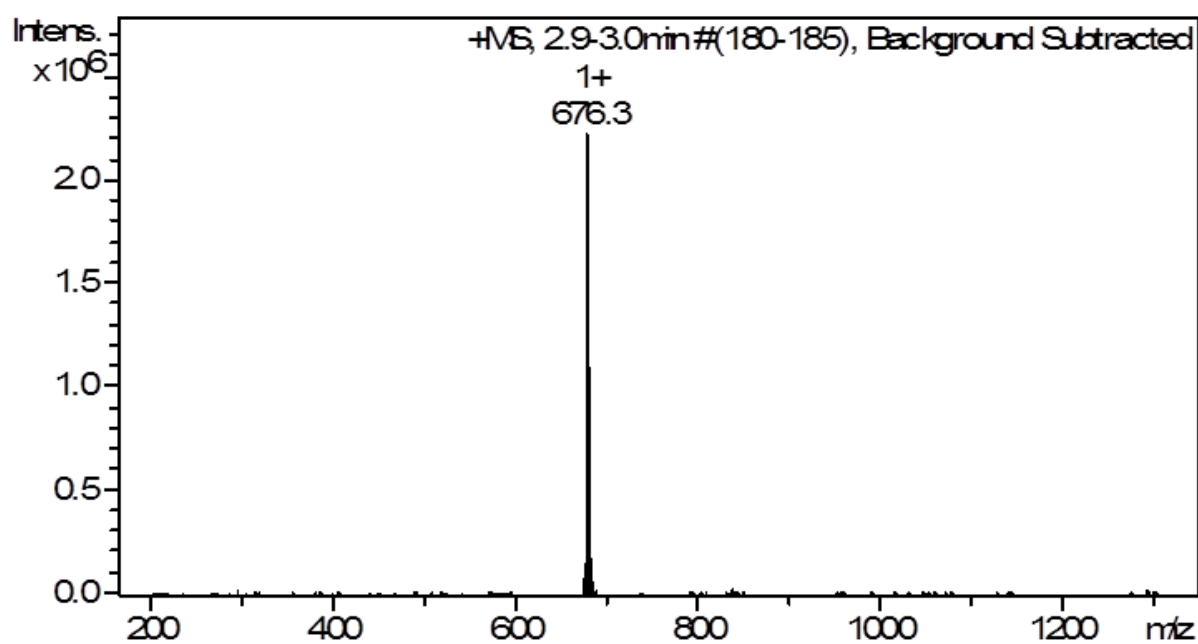
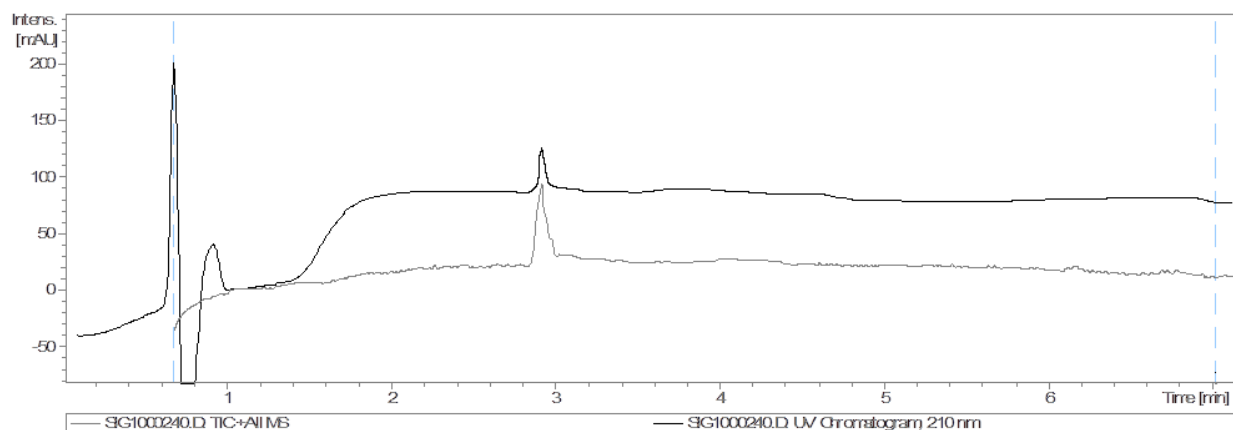


Fig. S7. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Tos-AWR-pAA.

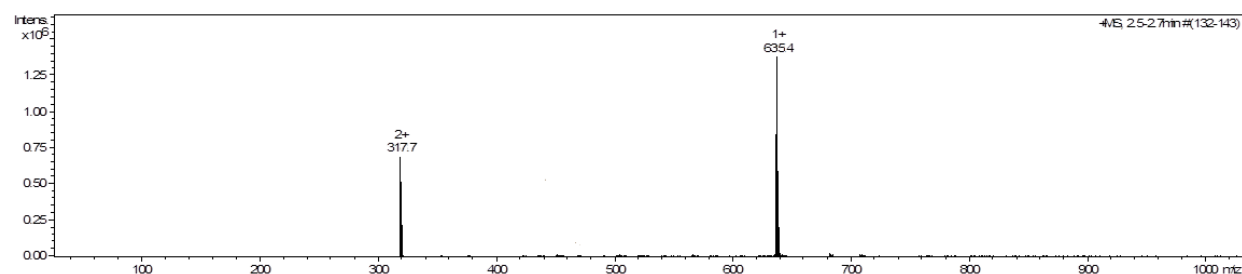
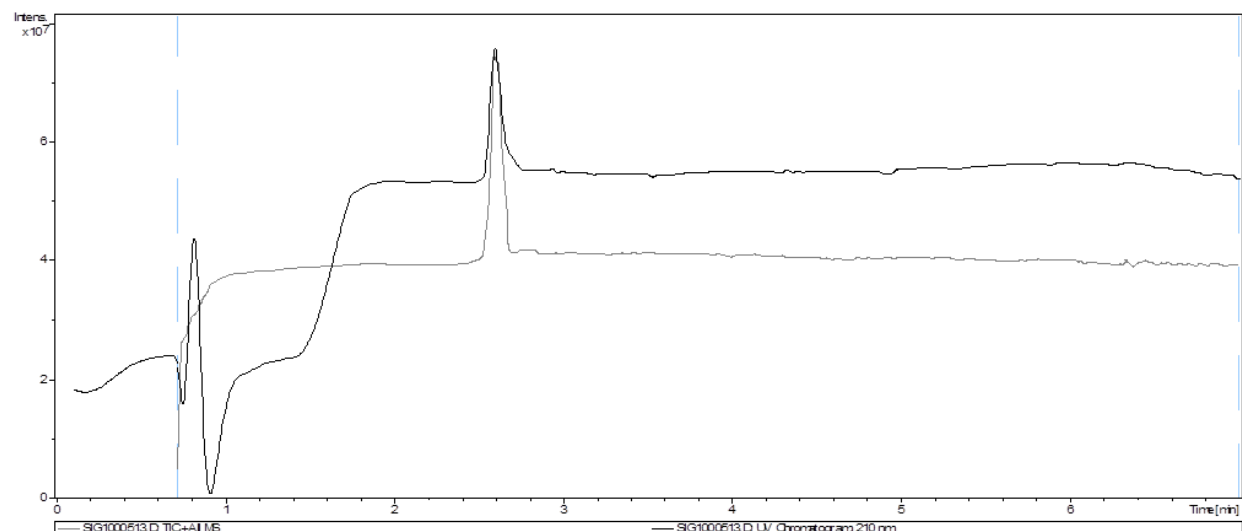


Fig. S8. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of glut-AWR-pAA.

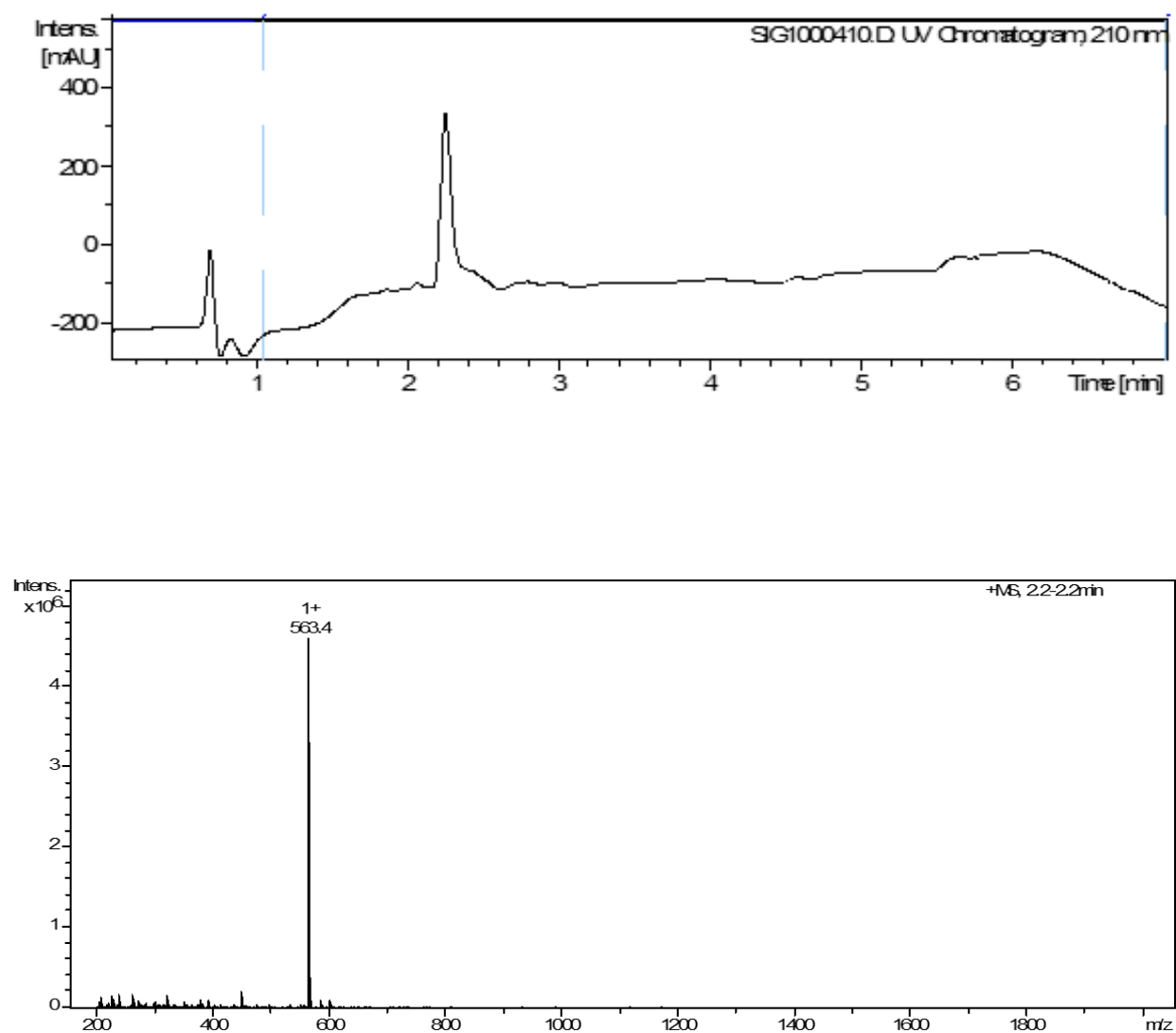


Fig. S9. Analytical HPLC with UV detection (upper) and mass-spectrum (bottom) of glut-ALR-pAA.

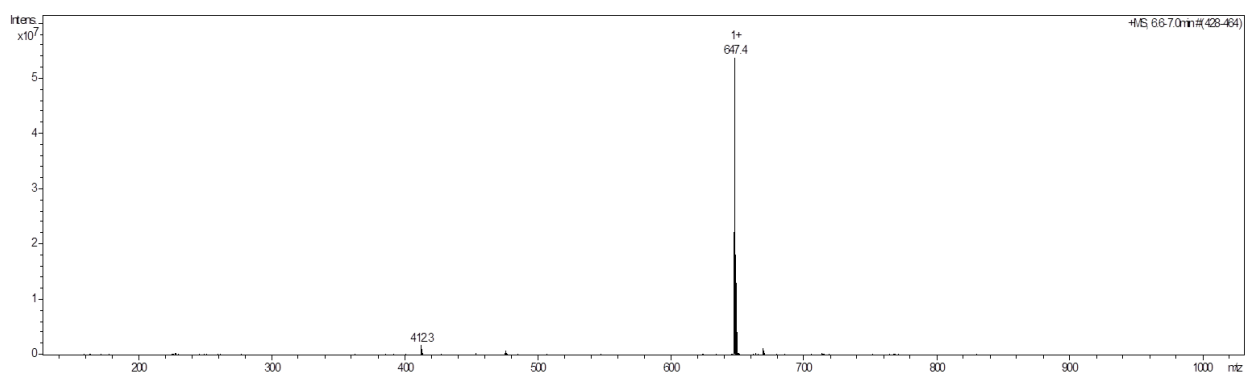
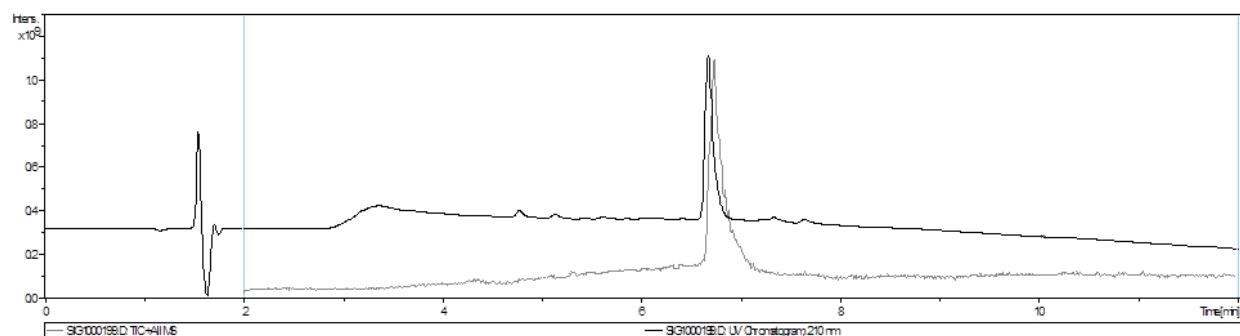


Fig. S10. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z- AFR-pNA (column).

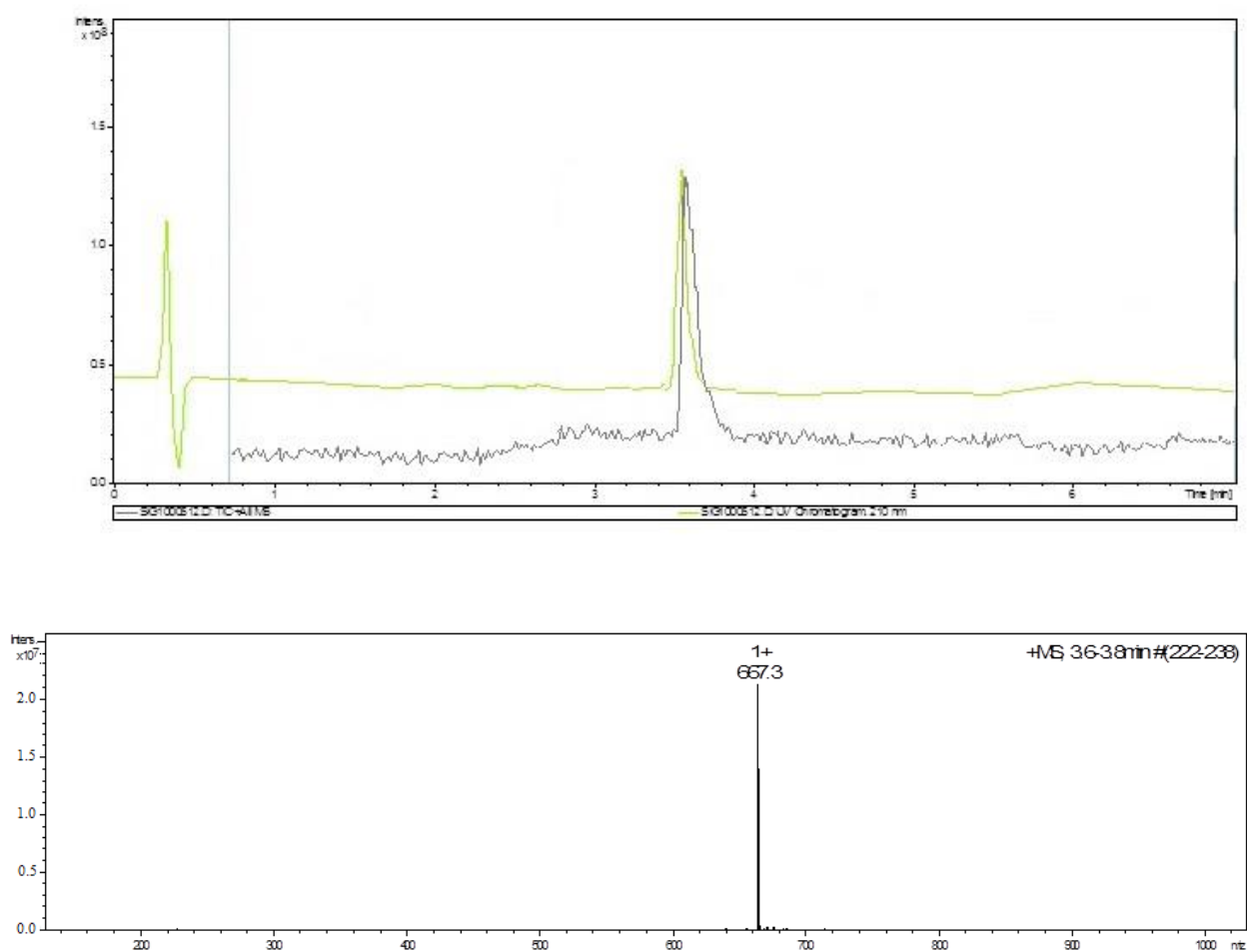


Fig. S11. Analytical HPLC with UV (olive line) and MS (grey line) detection (upper) and mass-spectrum of Tos-AFR-pNA.

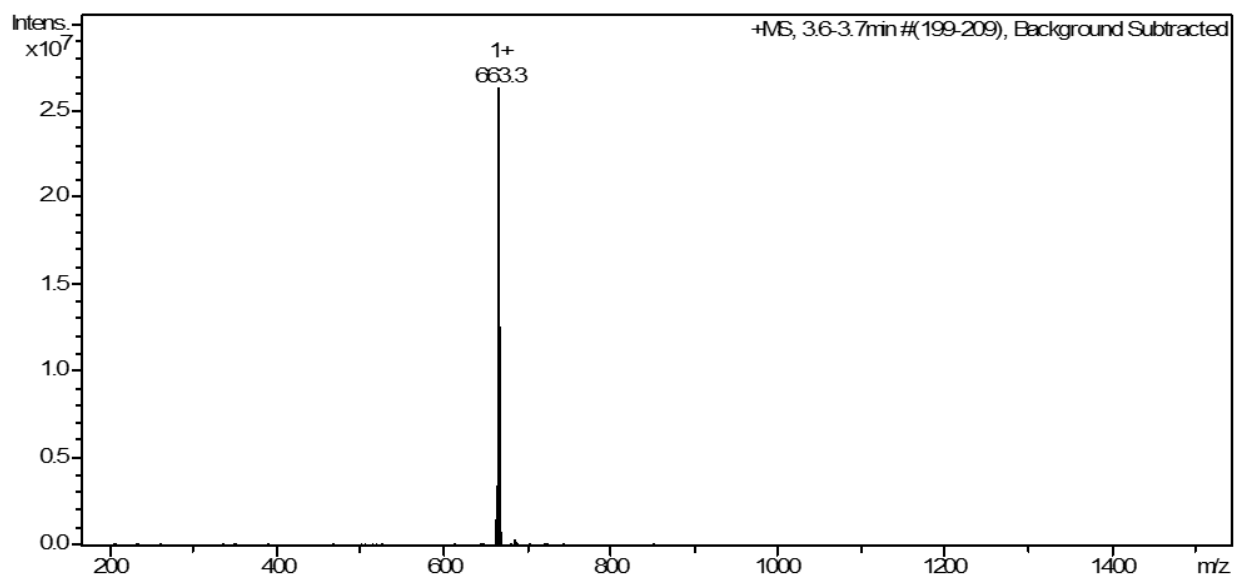
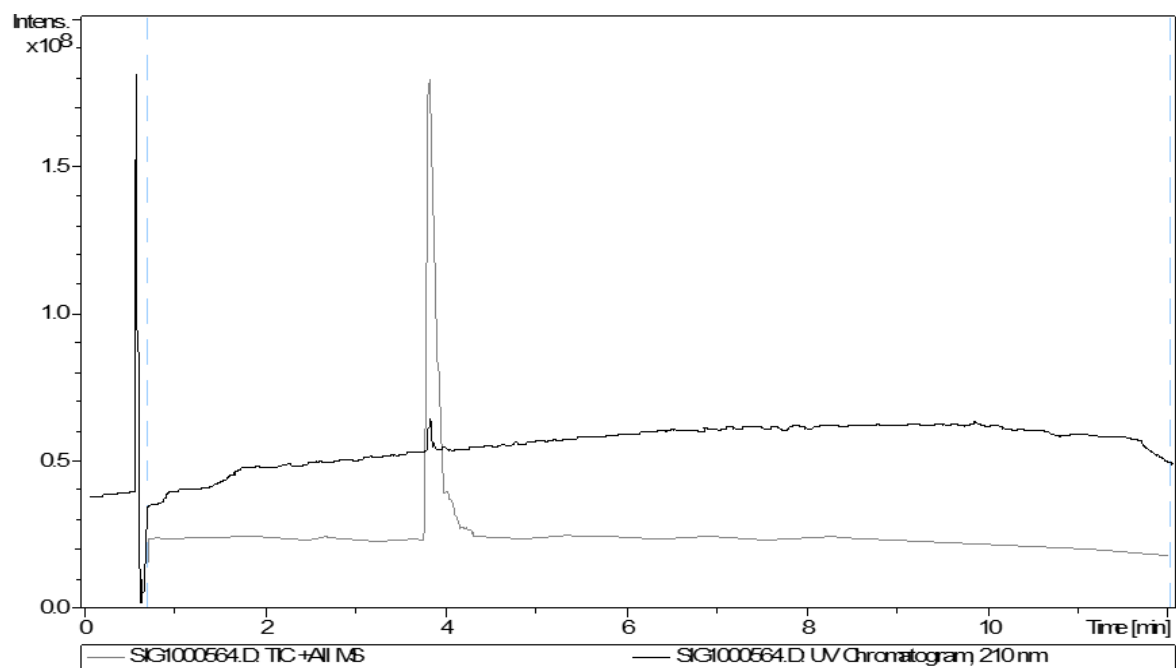


Fig. S12. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z-AYR-pNA.

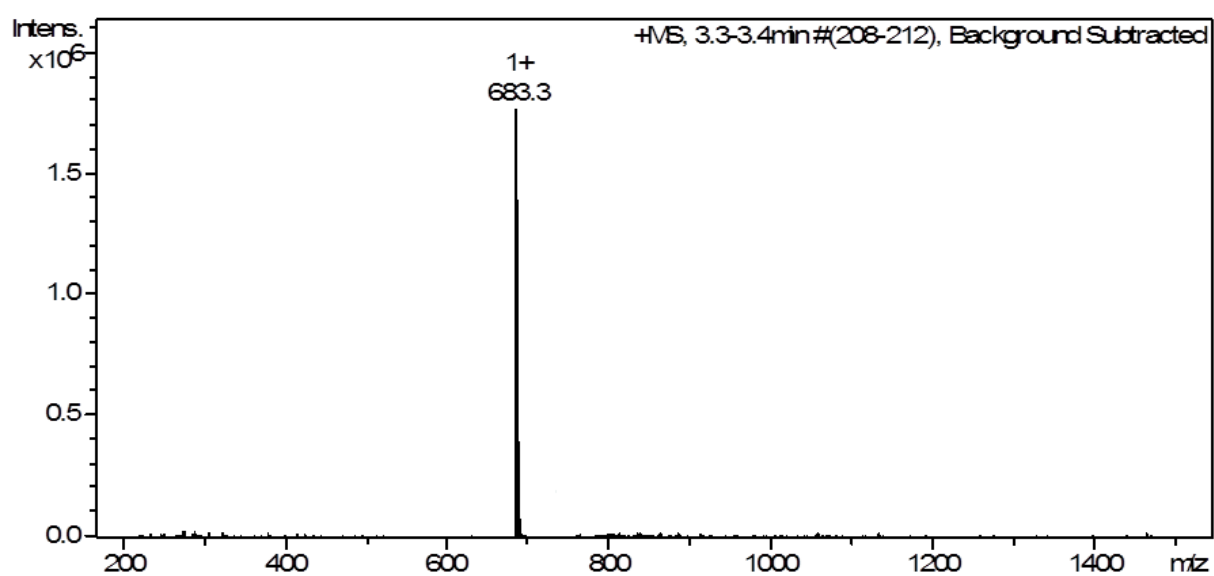
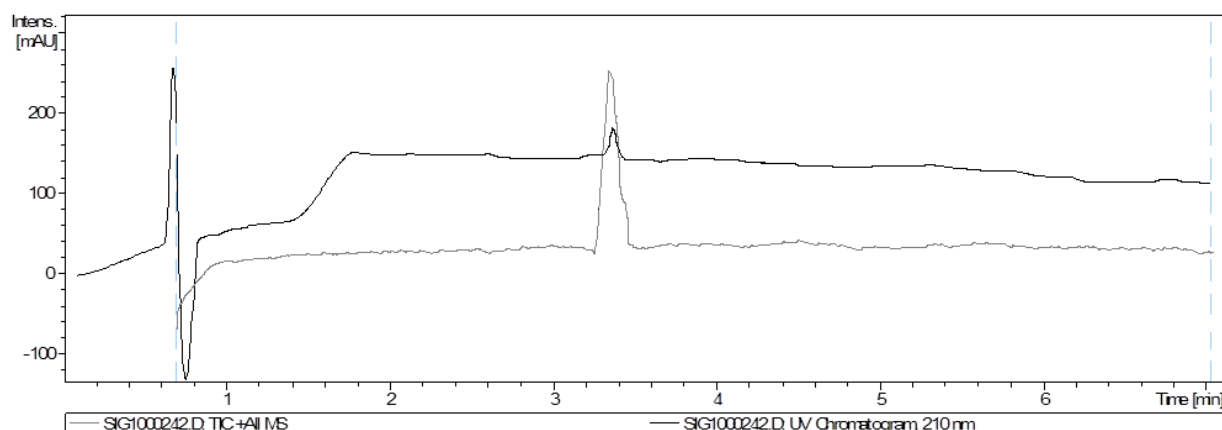


Fig. S13. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Tos-AYR-pNA.

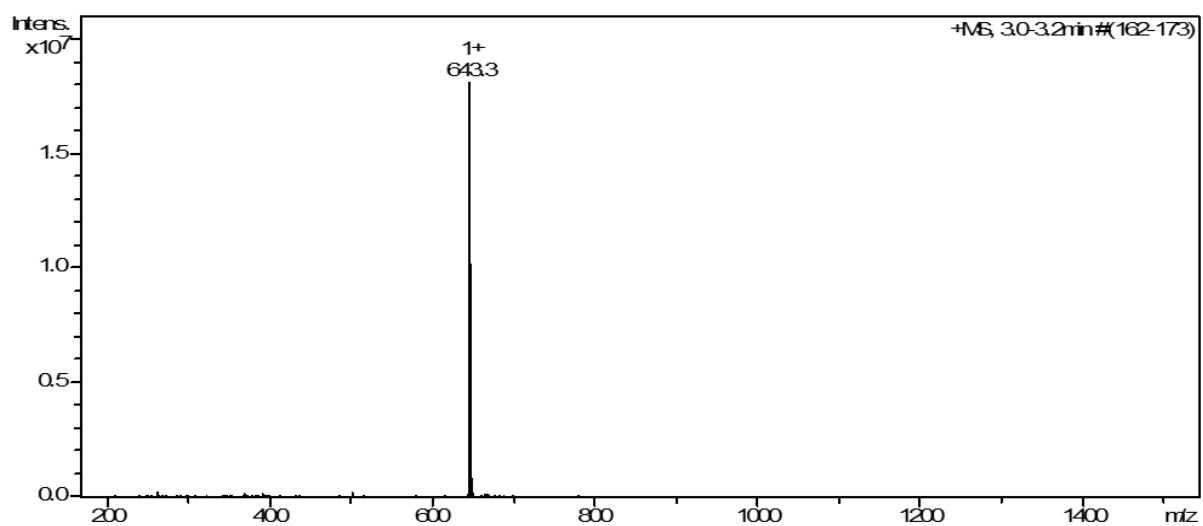
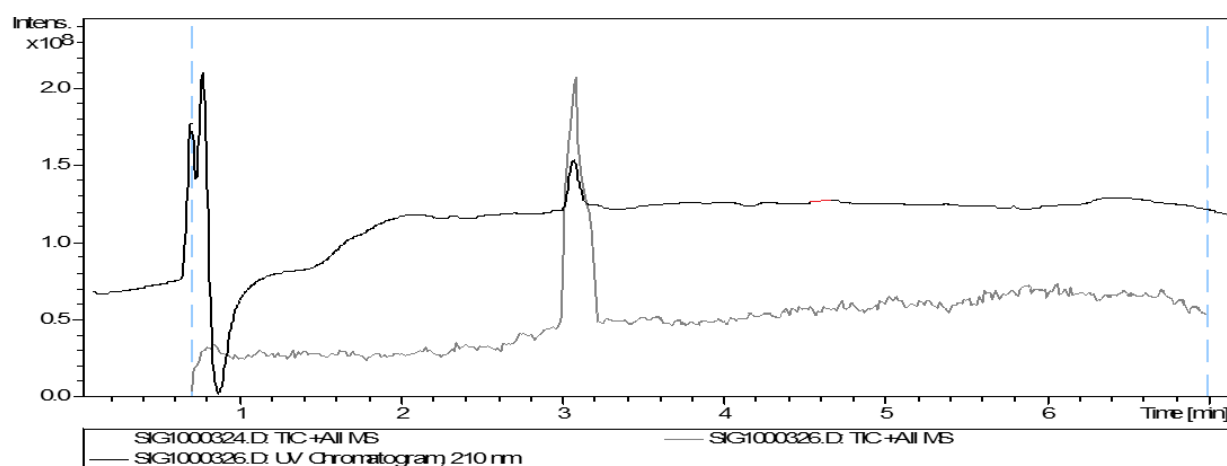


Fig. S14. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of glut-AYR-pNA

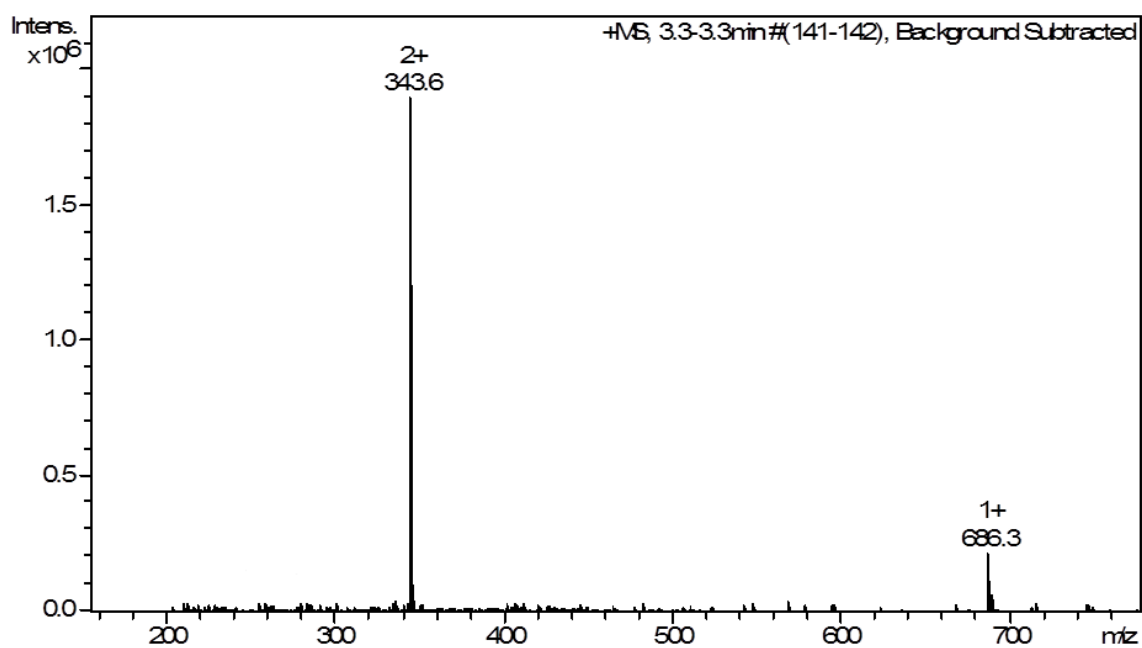
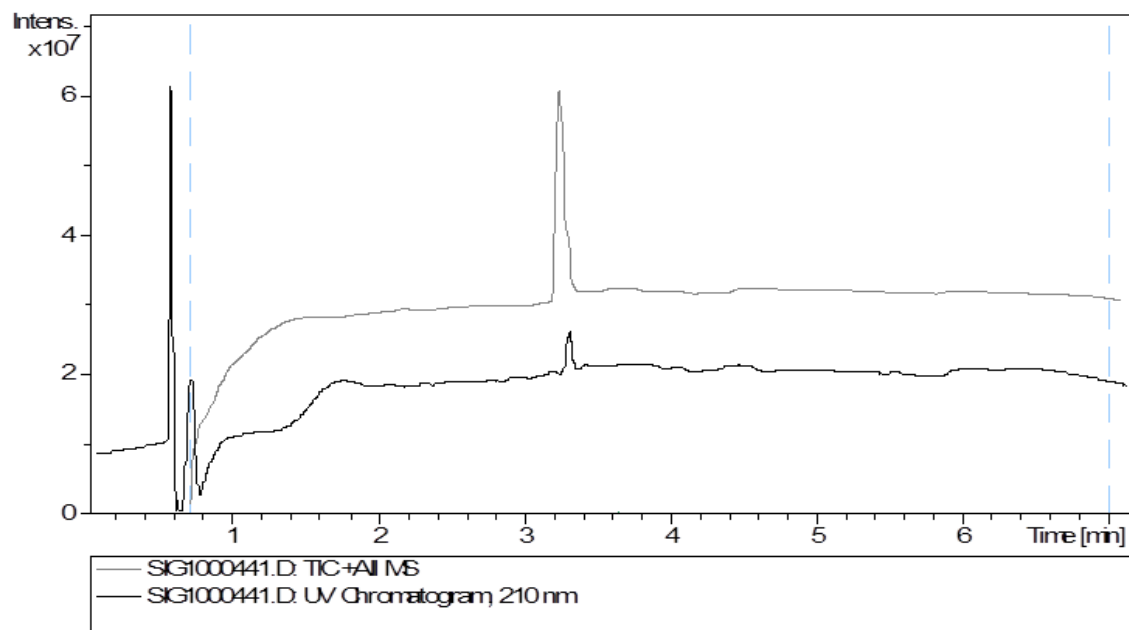


Fig. S15. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Z-AWR-pNA

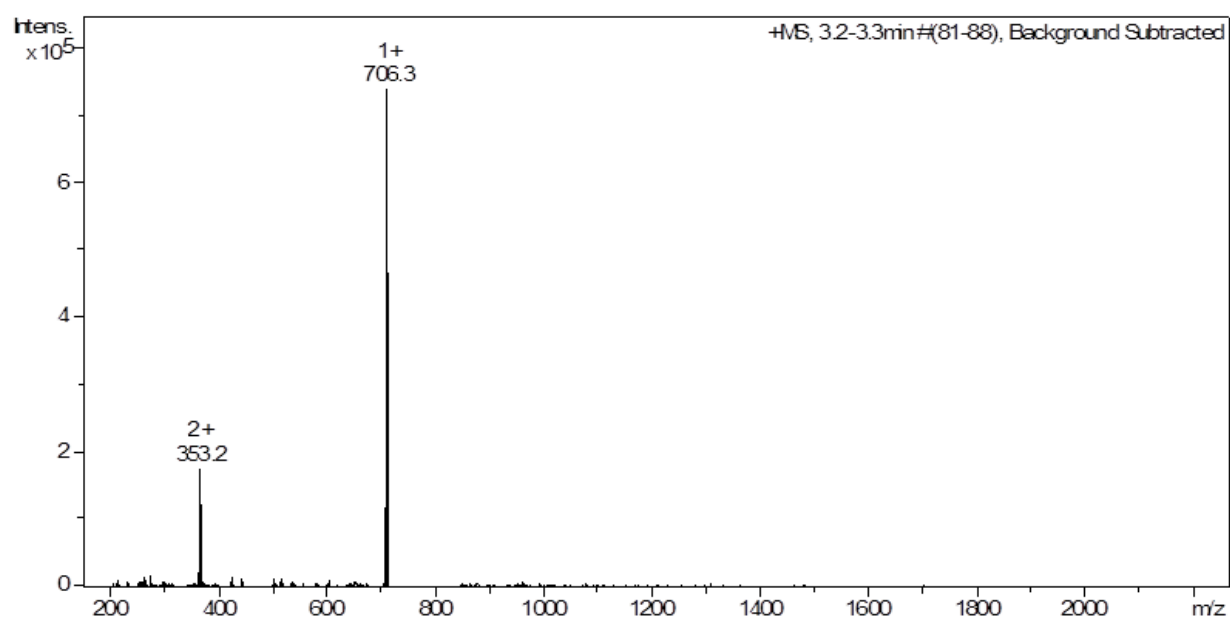
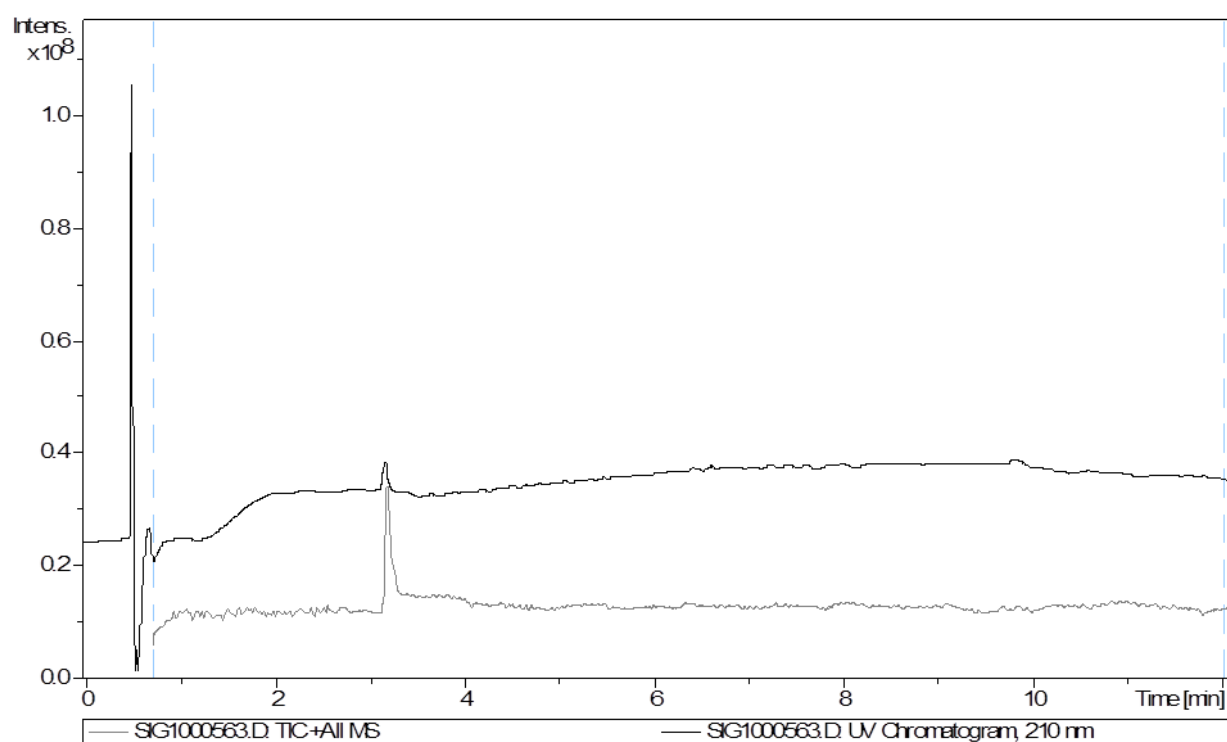


Fig. S16. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of Tos-AWR-pNA

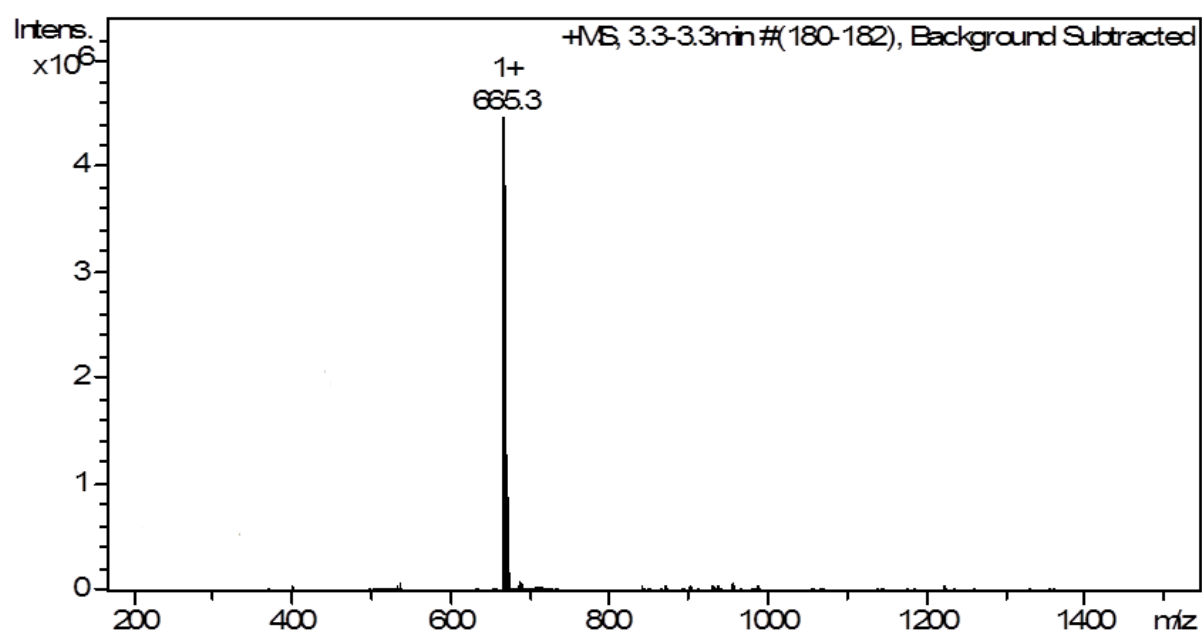
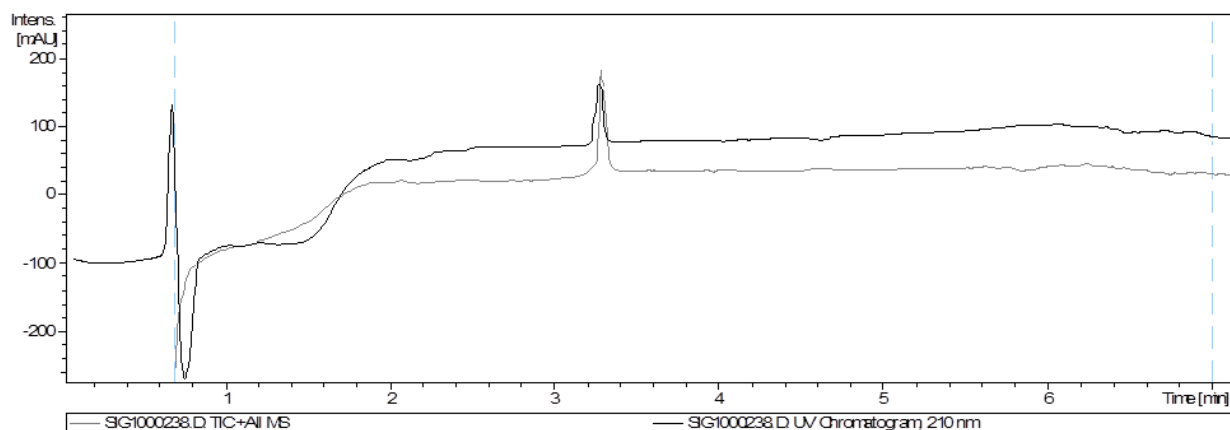


Fig. S17. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of glut-AWR-pNA

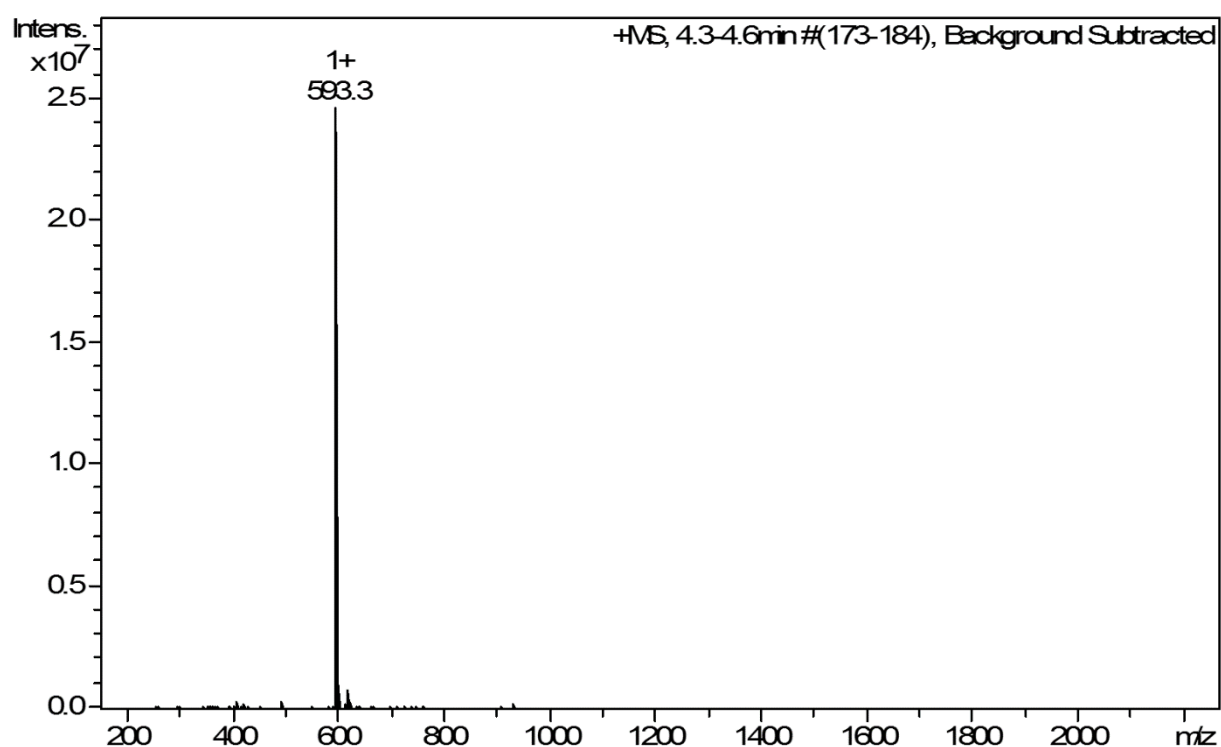
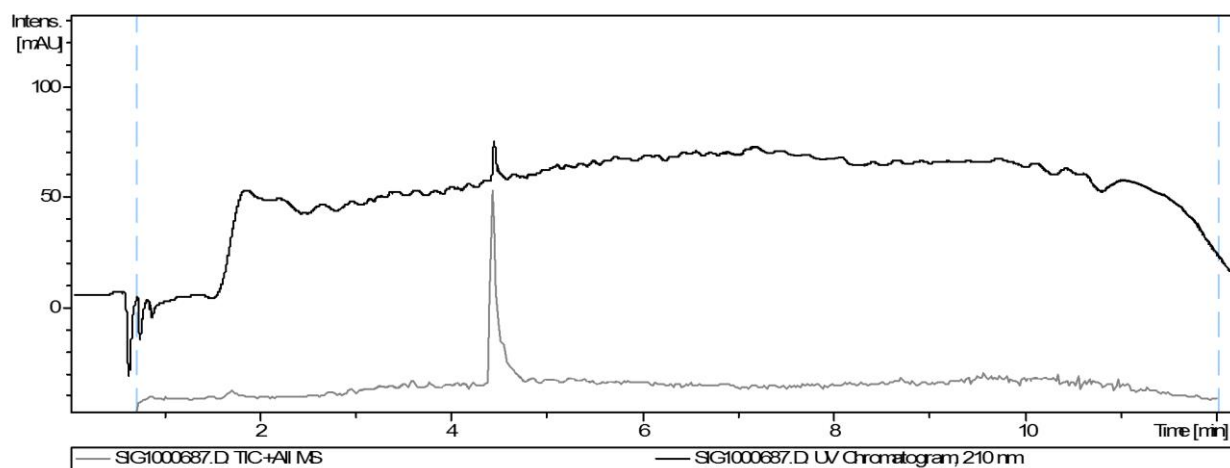


Fig. S18. Analytical HPLC with UV (black line) and MS (grey line) detection (upper) and mass-spectrum (bottom) of glut-ALR-pNA