

Supplemental Material B

Anti-Ovarian Cancer Conotoxins Identified from *Conus* Venom

Shuang Ju ¹, Yu Zhang ¹, Xijun Guo ¹, Qinghui Yan ¹, Siyi Liu ¹, Bokai Ma ², Mei Zhang ², Jiaolin Bao ¹, Sulan Luo ^{1,3} and Ying Fu ^{1,*}

¹ Key Laboratory of Tropical Biological Resources of Ministry of Education, School of Pharmaceutical Sciences, Hainan University, Haikou 570228, China

² Beijing Key Laboratory of Organic Materials Testing Technology & Quality Evaluation, Institute of Analysis and Testing, Beijing Academy of Science and Technology, Beijing 100094, China

³ Medical School, Guangxi University, Nanning 530004, China

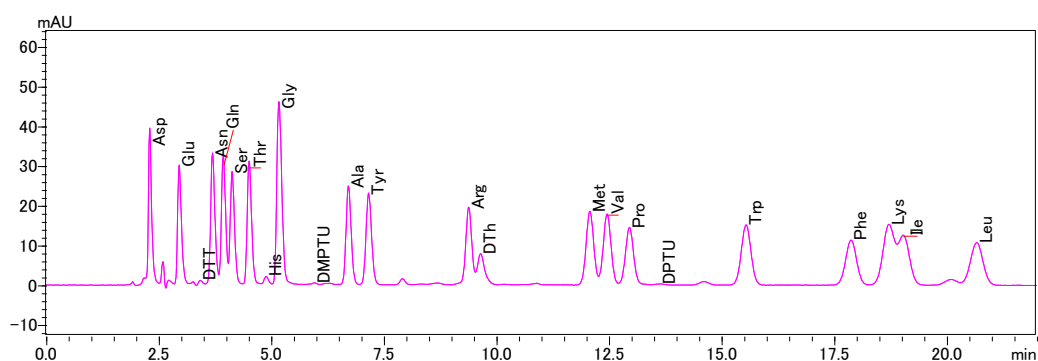
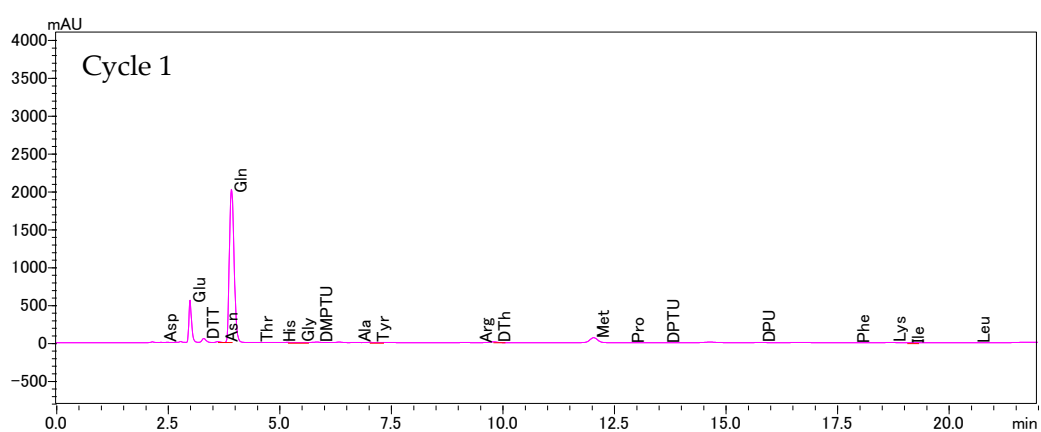
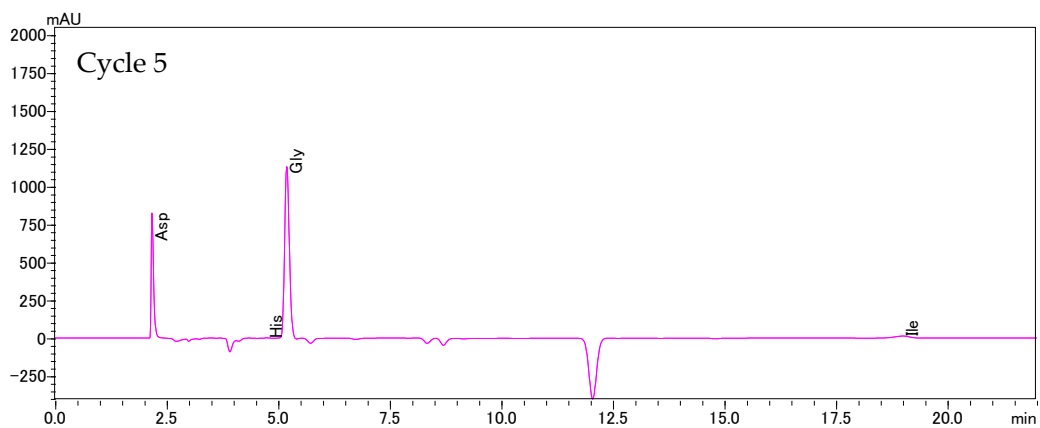
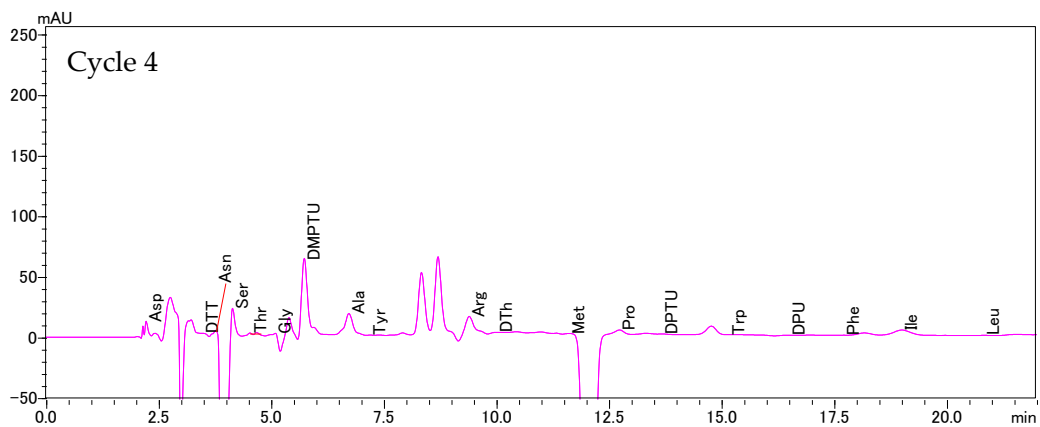
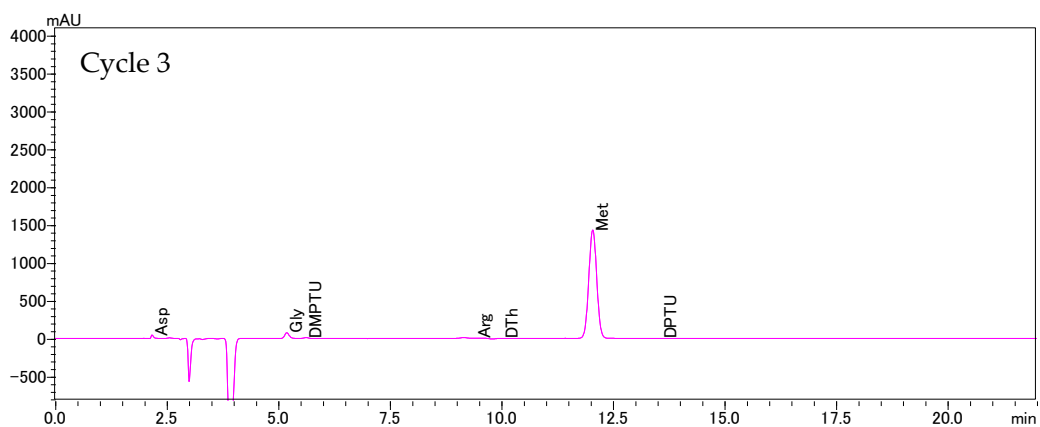
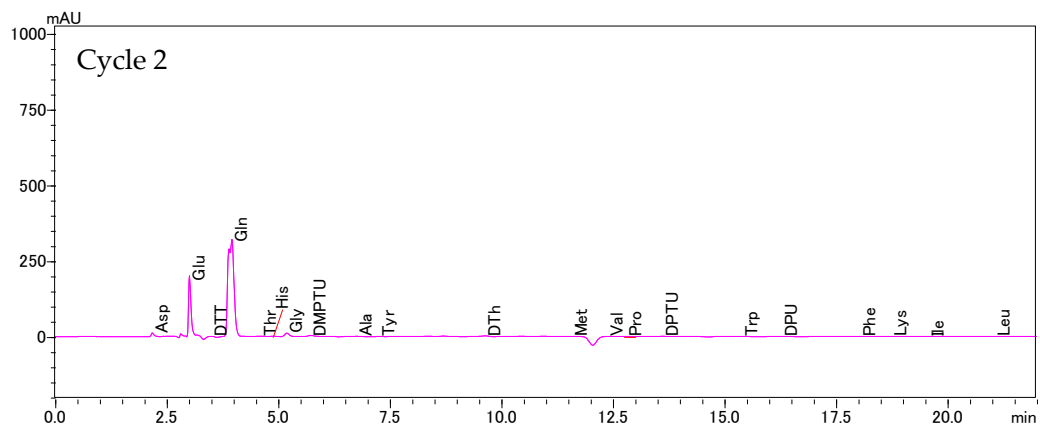


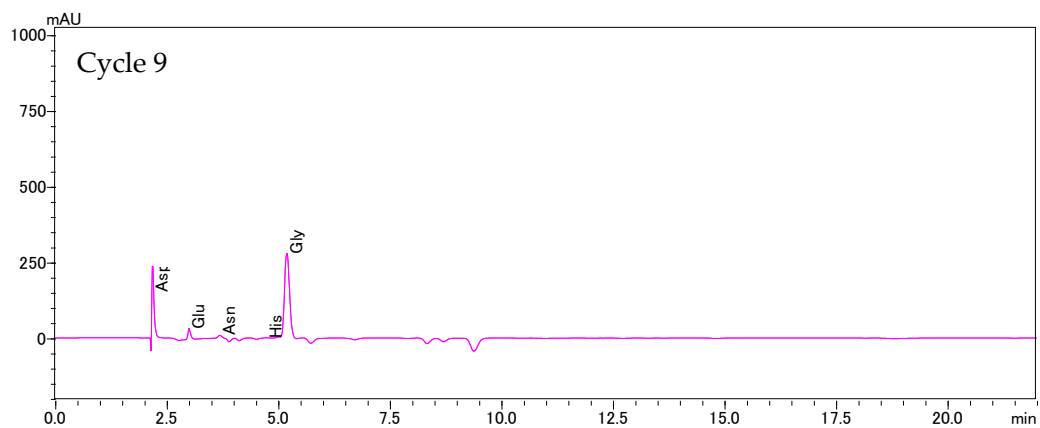
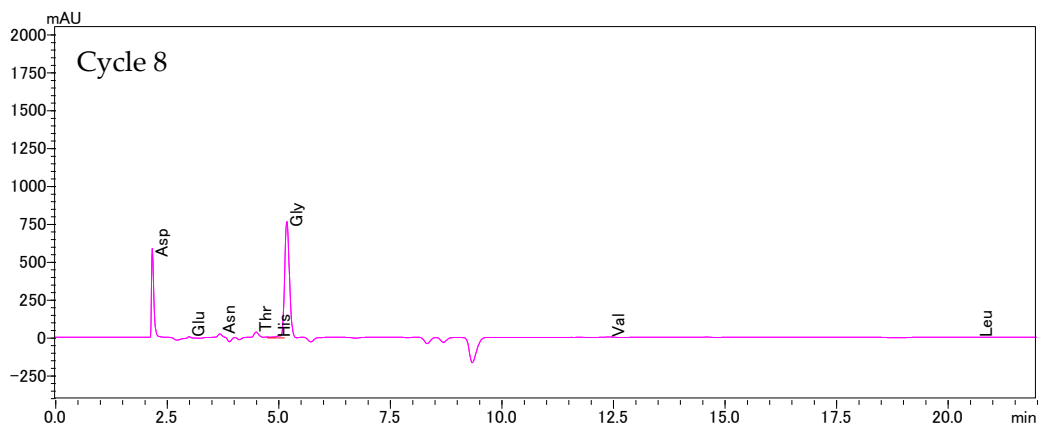
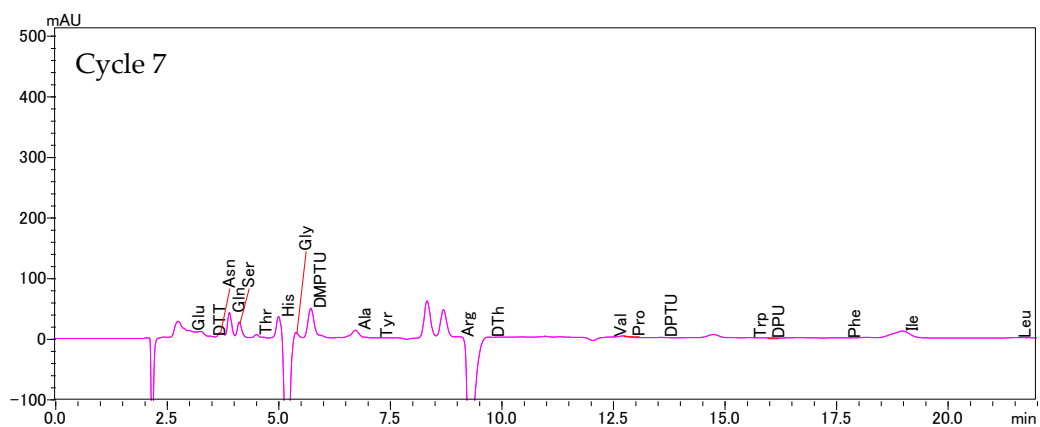
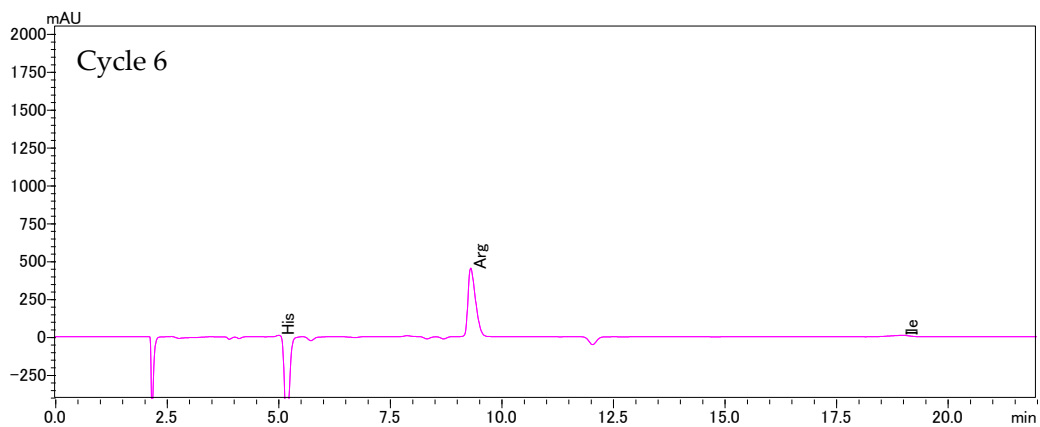
Figure S1. HPLC chromatogram of mixed amino acid standard.

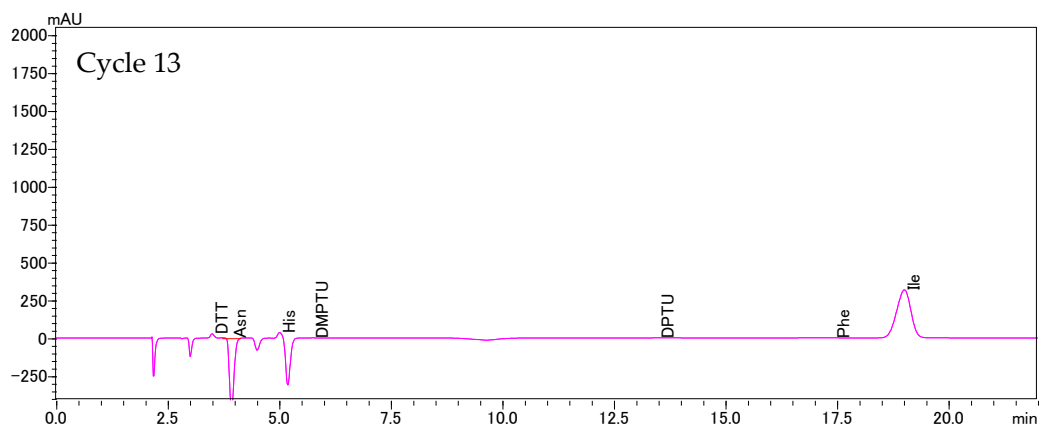
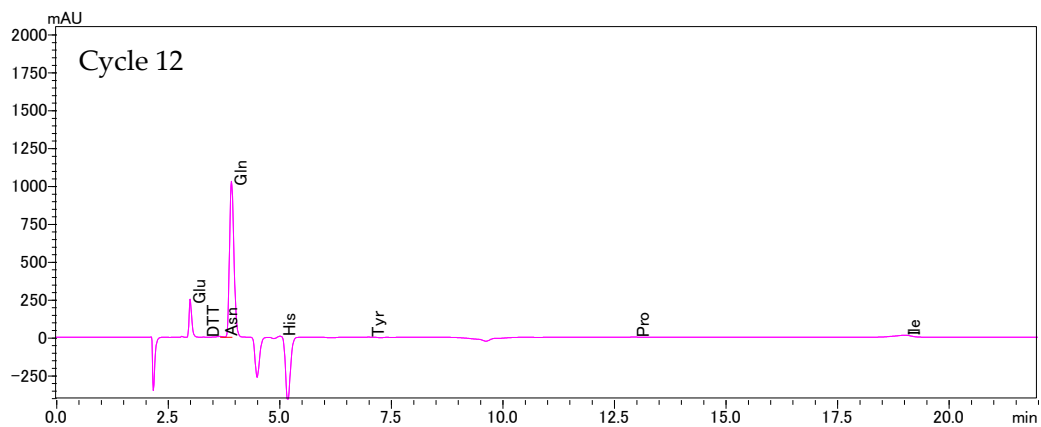
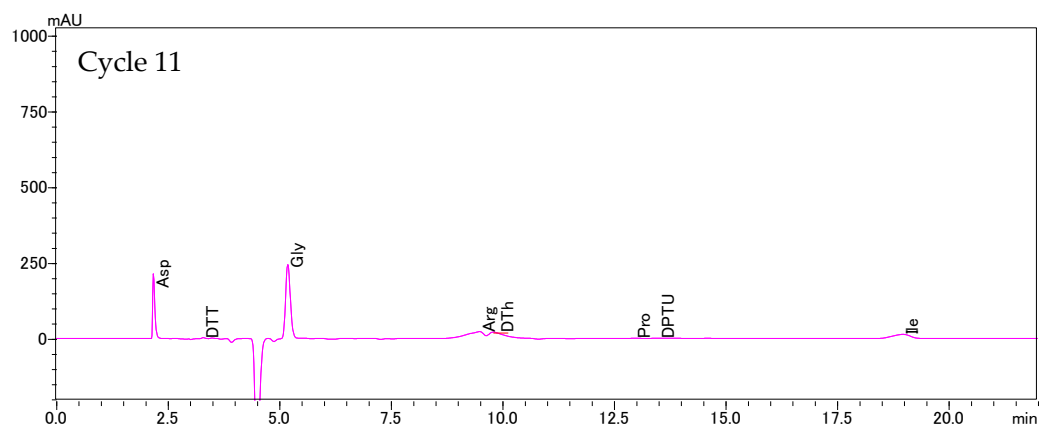
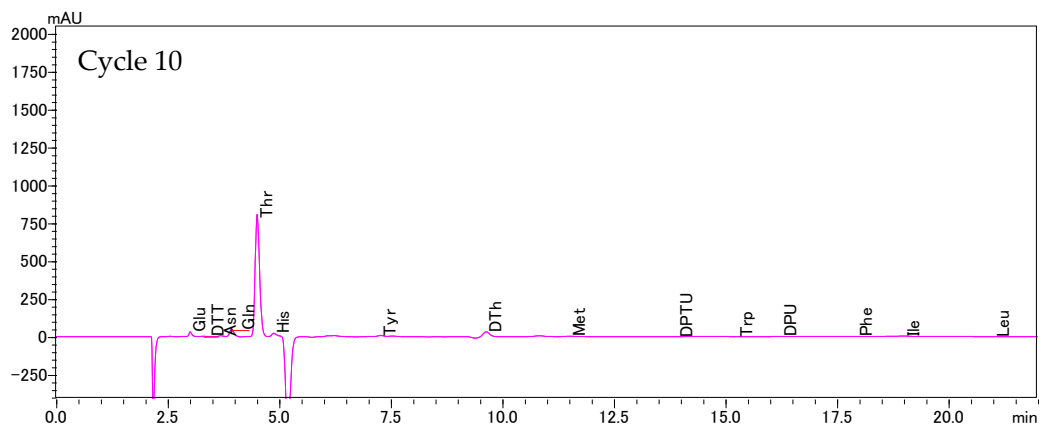
Table S1. Retention time of each amino acid in the HPLC chromatogram of the mixed standard

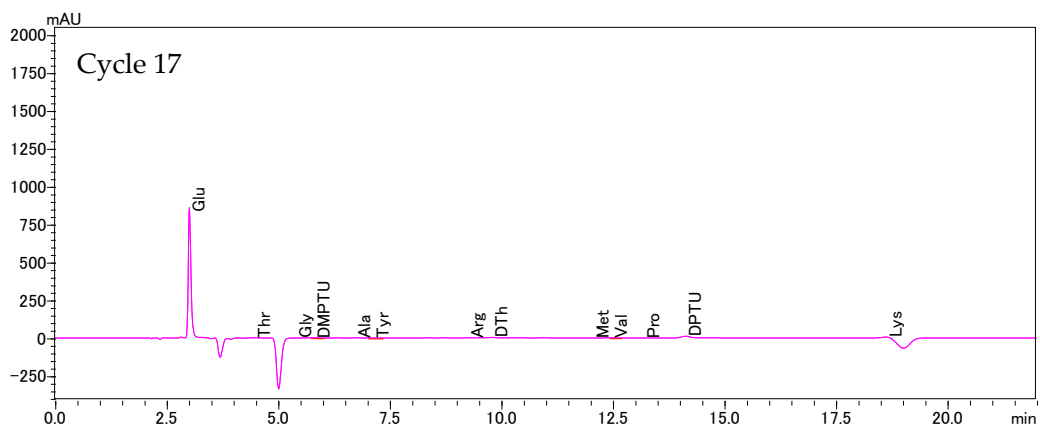
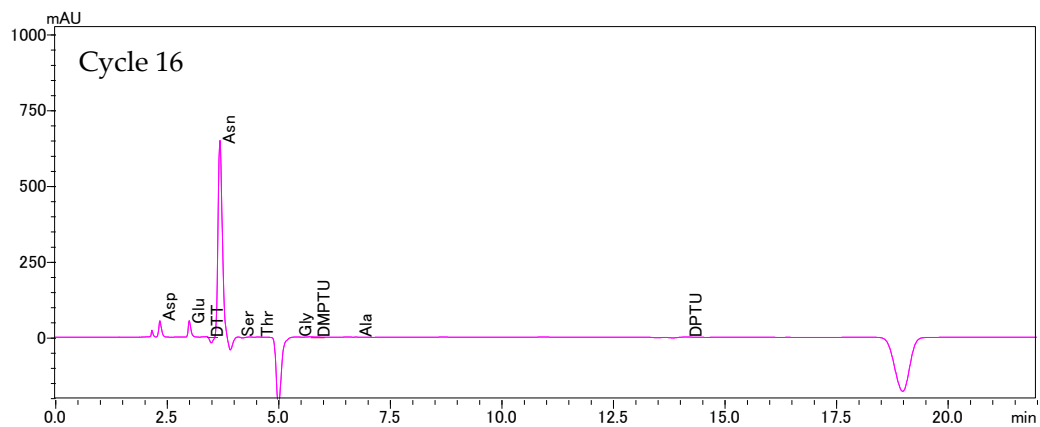
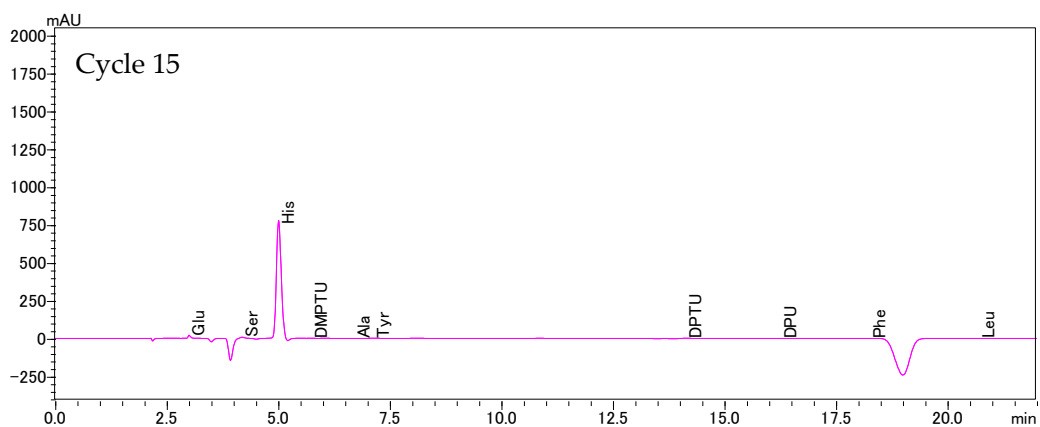
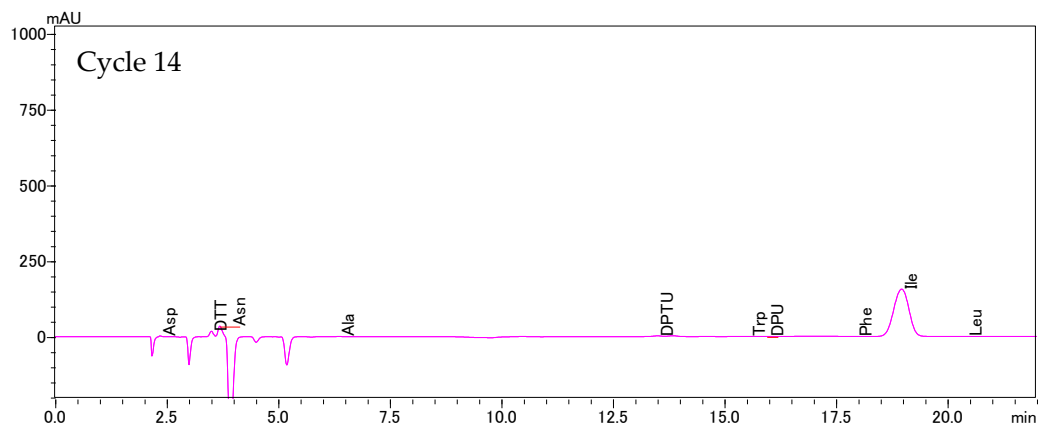
Constituent	Retention Time (min)
Asp	2.301
Glu	2.951
Asn	3.699
Gln	3.943
Ser	4.122
Thr	4.512
His	4.903
Gly	5.179
Ala	6.708
Tyr	7.163
Arg	9.398
Met	12.091
Val	12.464
Pro	12.980
Trp	15.530
Phe	17.879
Lys	18.653
Ile	19.054
Leu	20.630

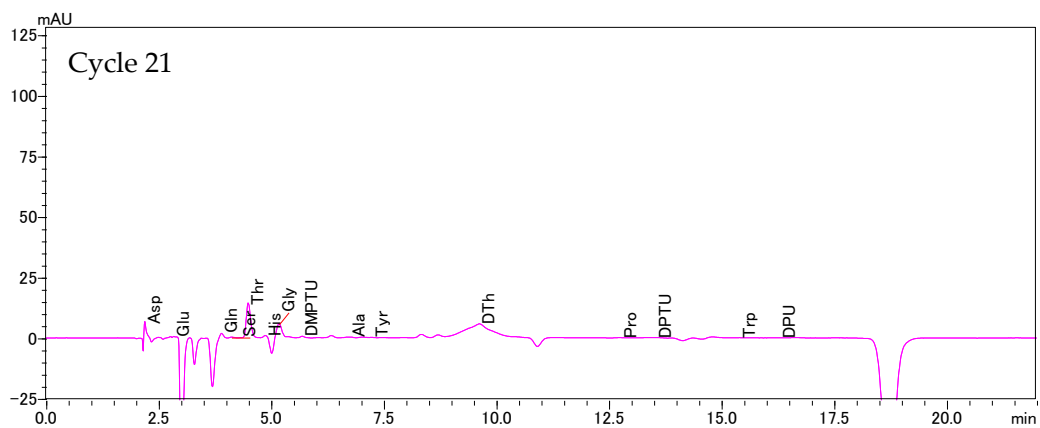
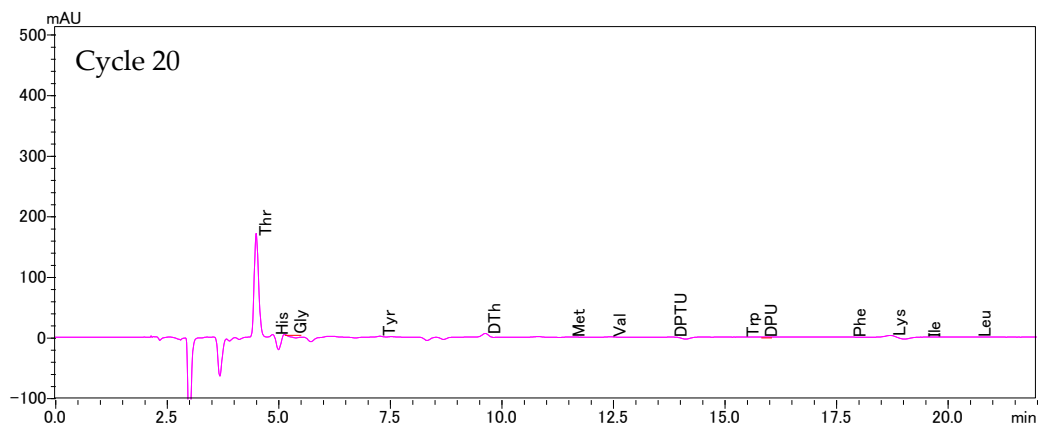
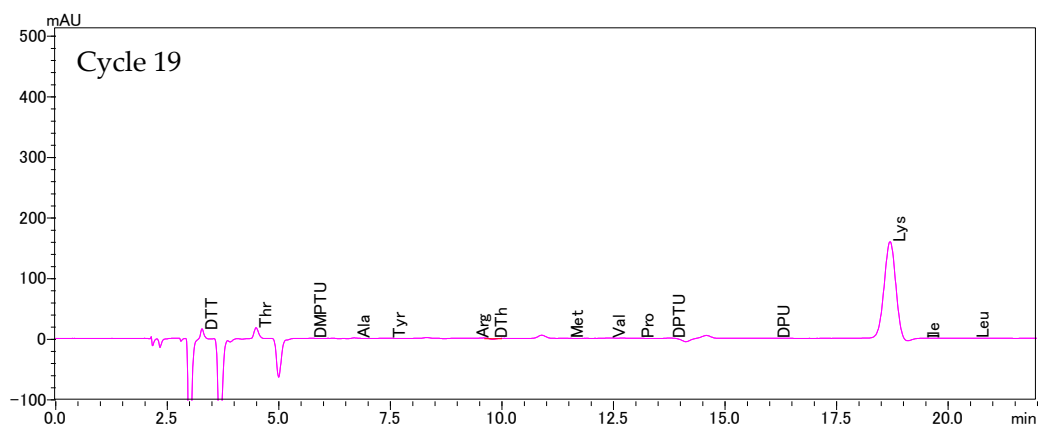
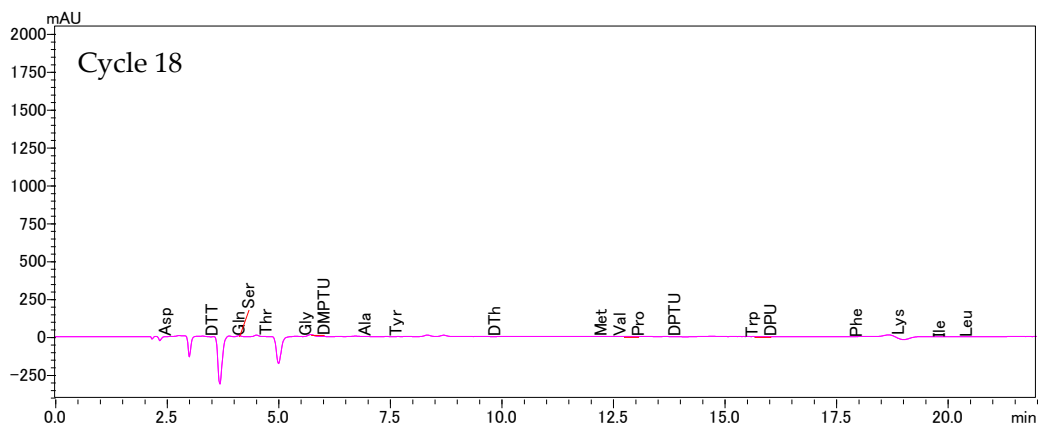


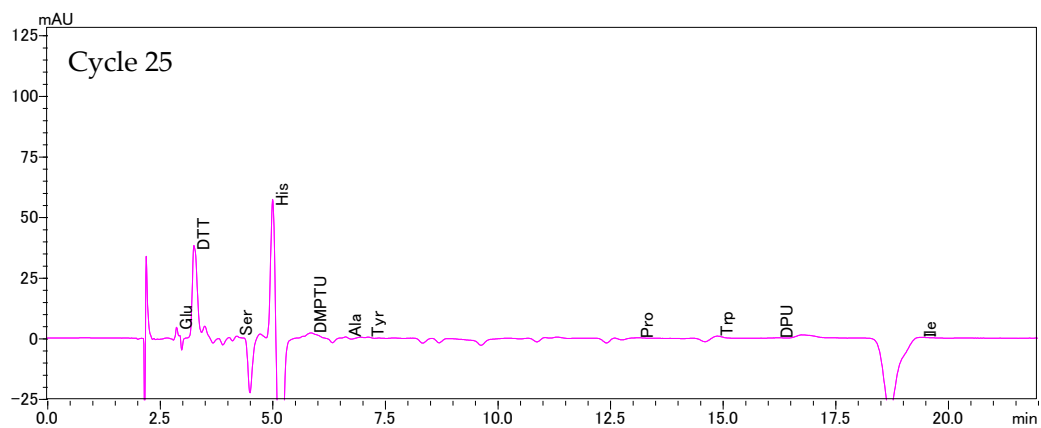
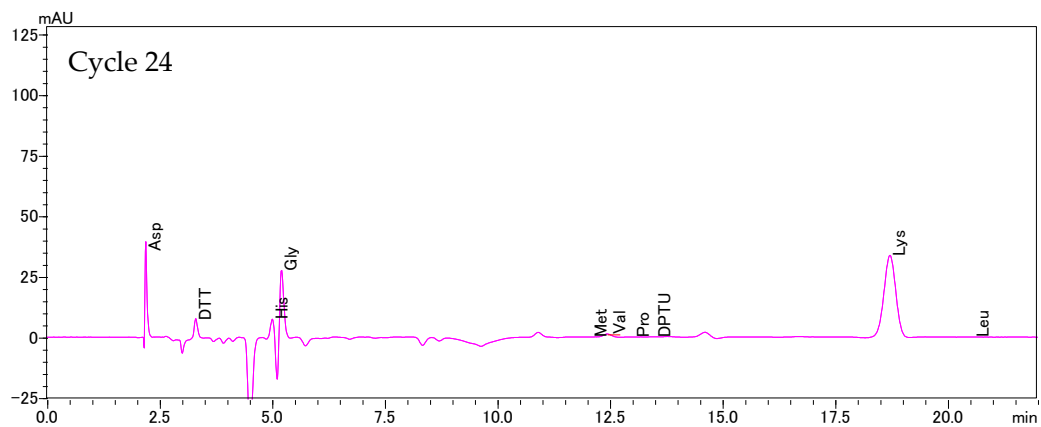
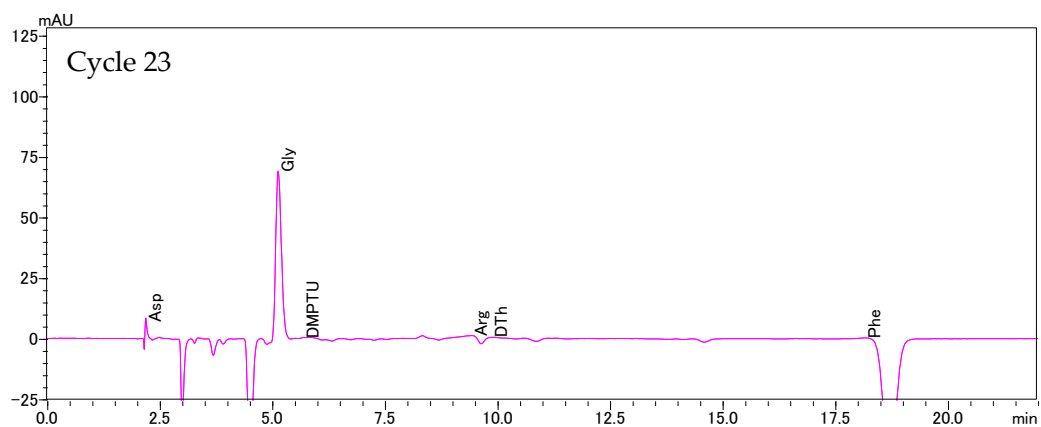
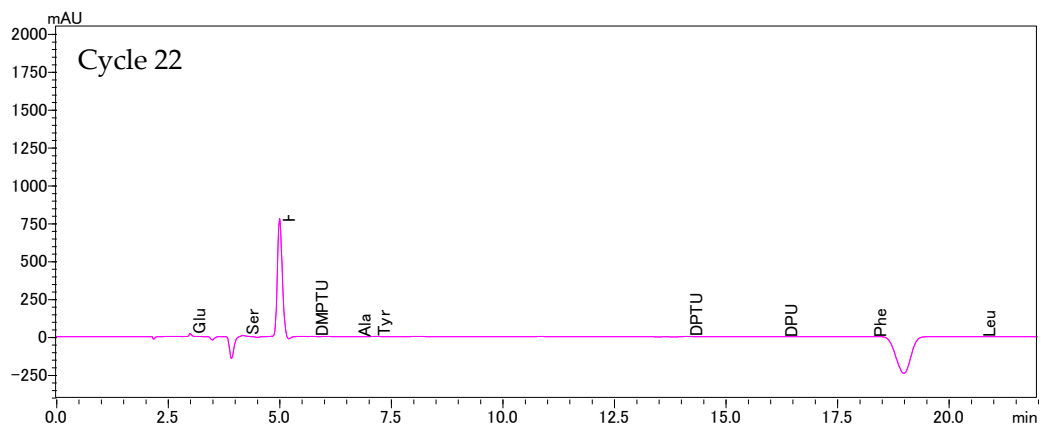












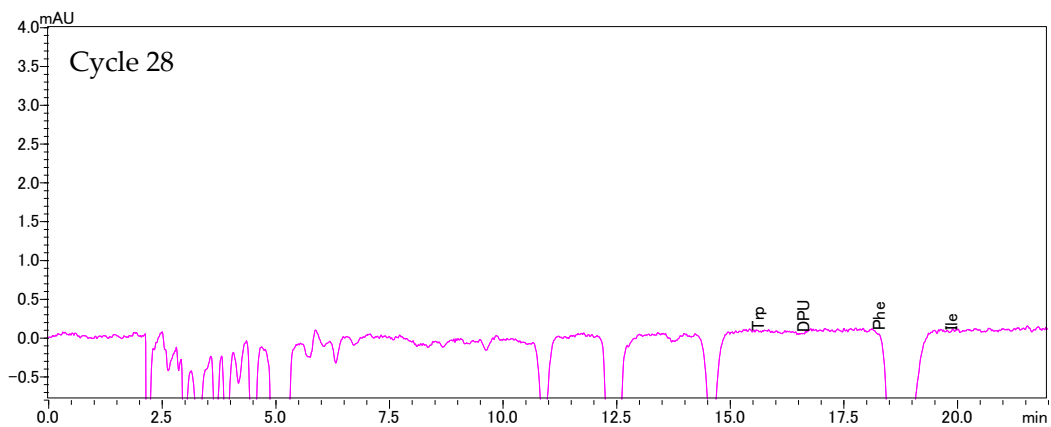
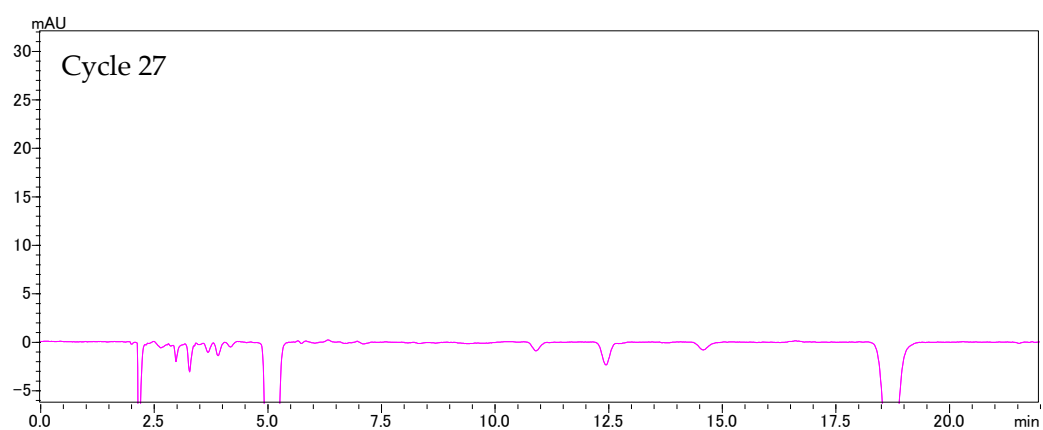
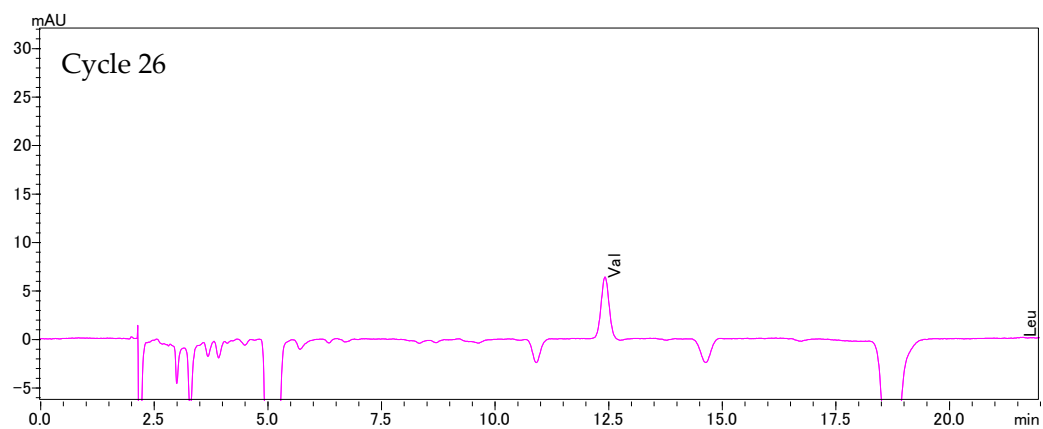
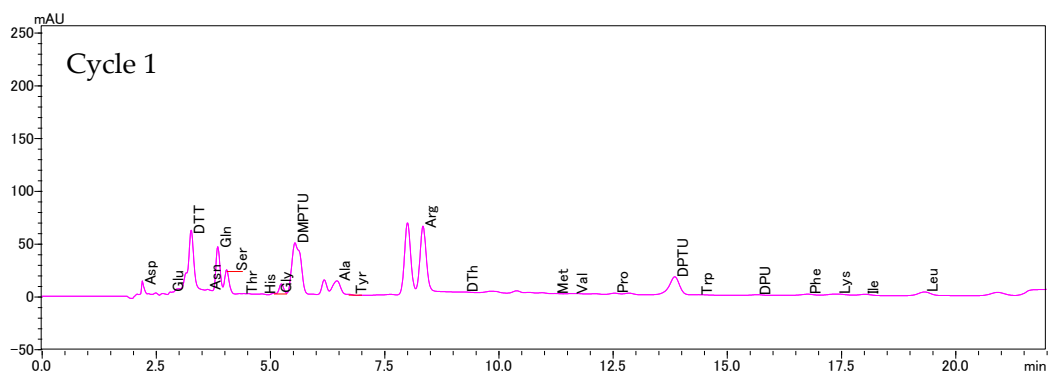
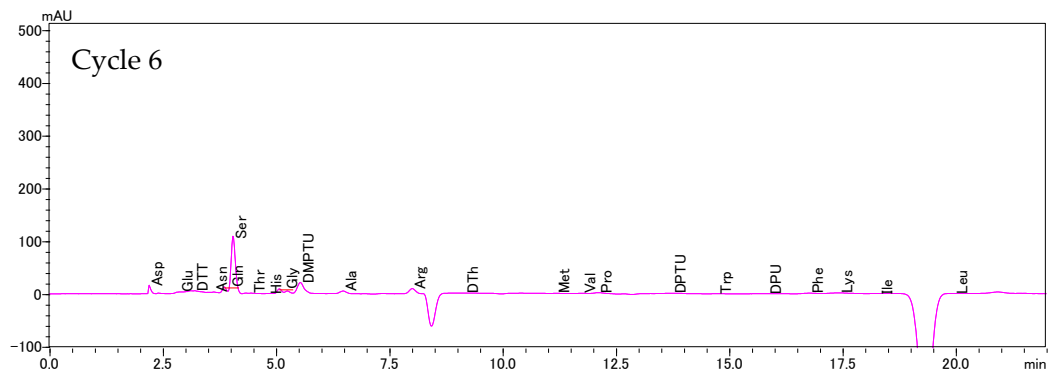
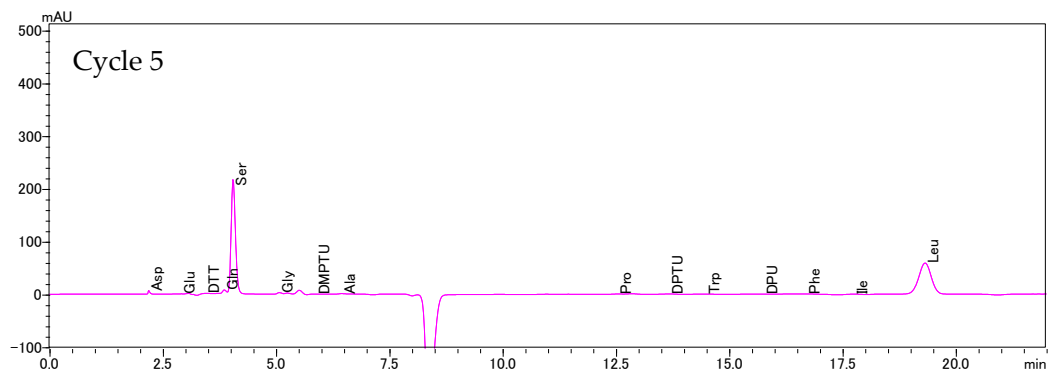
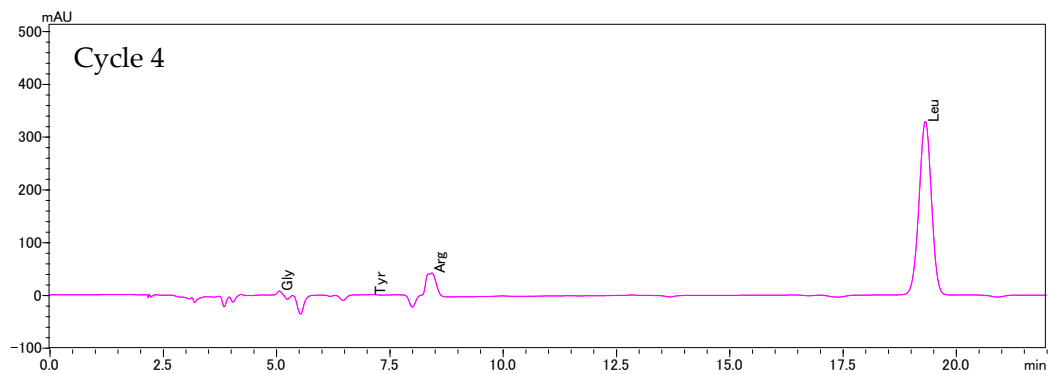
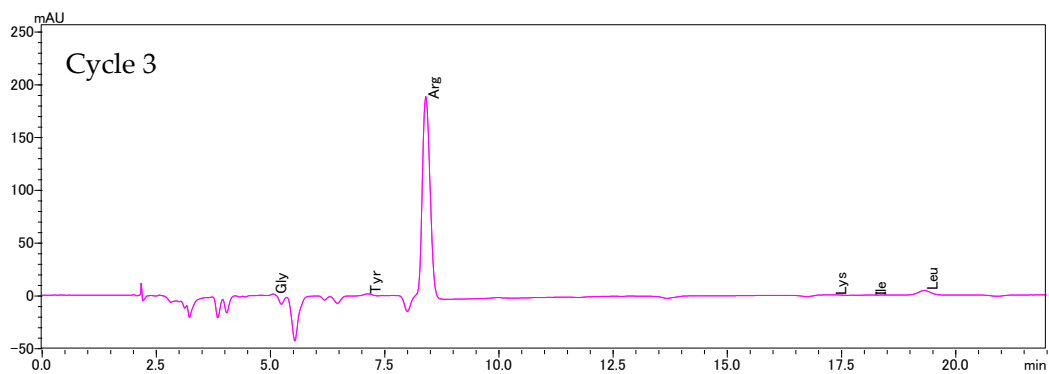
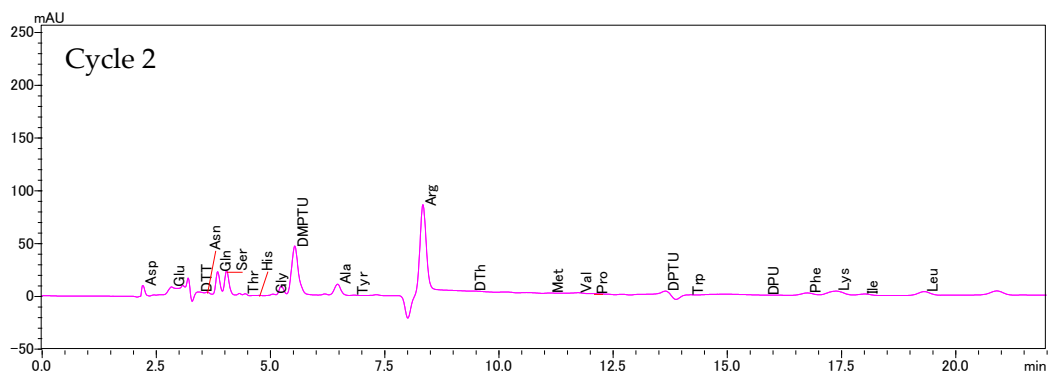
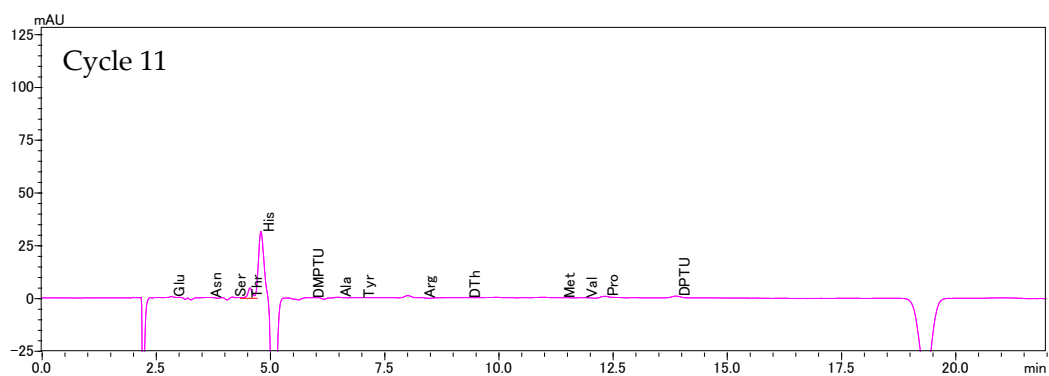
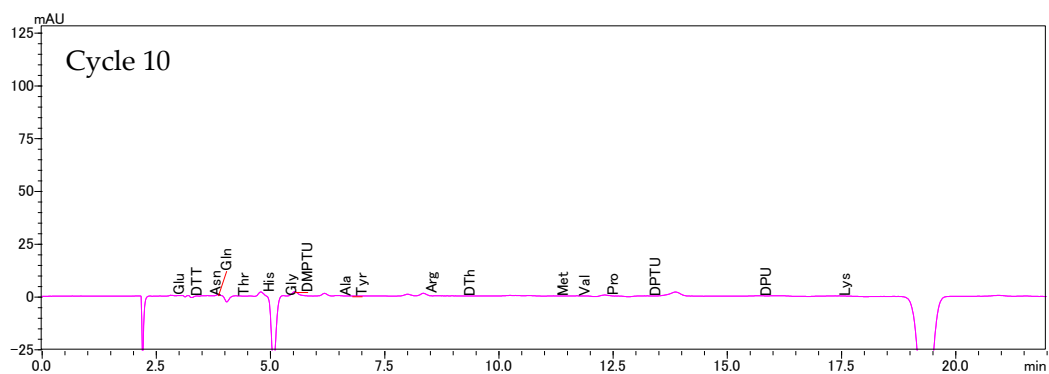
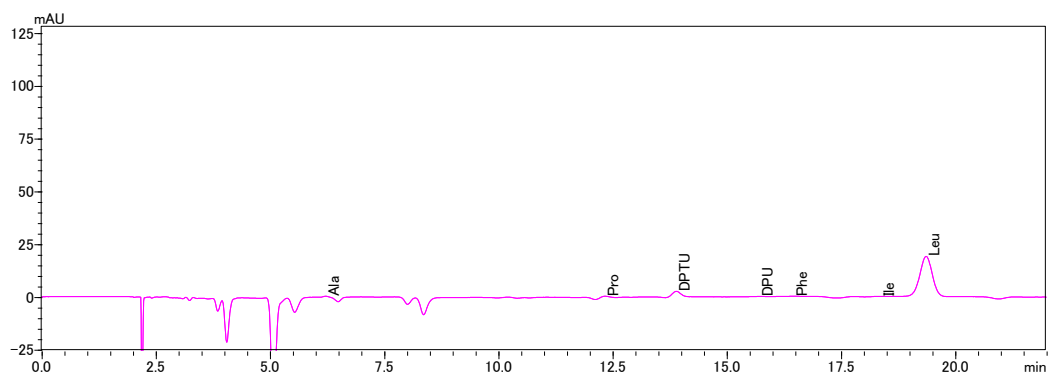
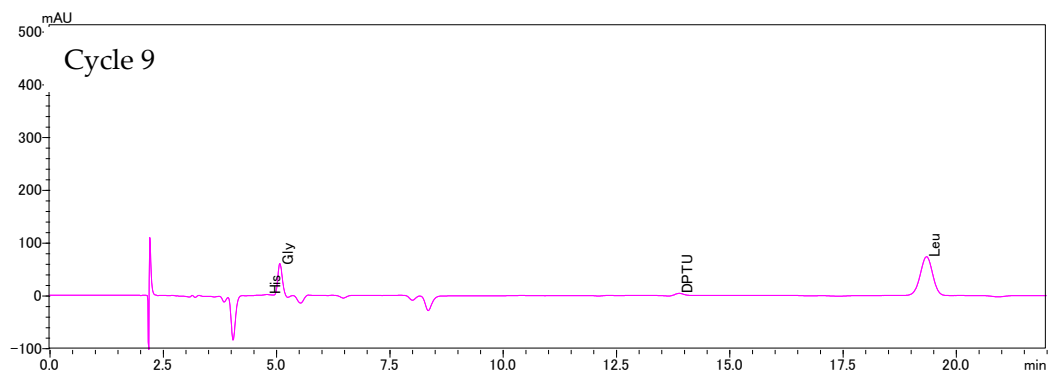
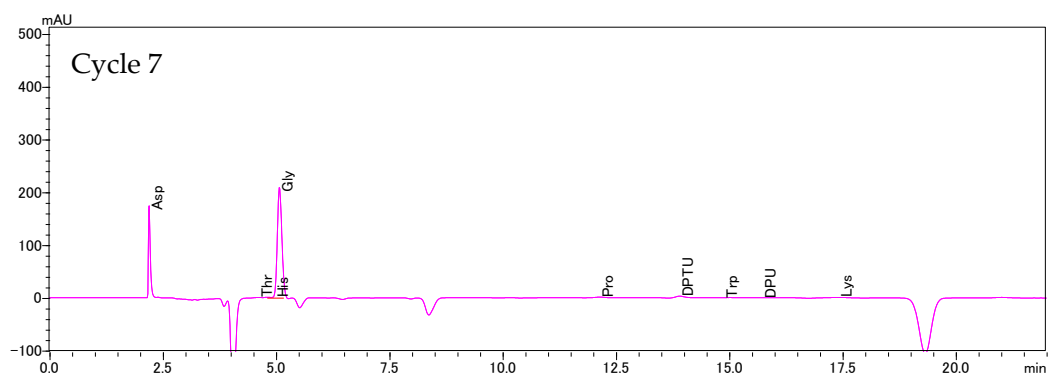


Figure S2. HPLC chromatograms of the amino acids released from each Edman degradation cycle of Vi14b.







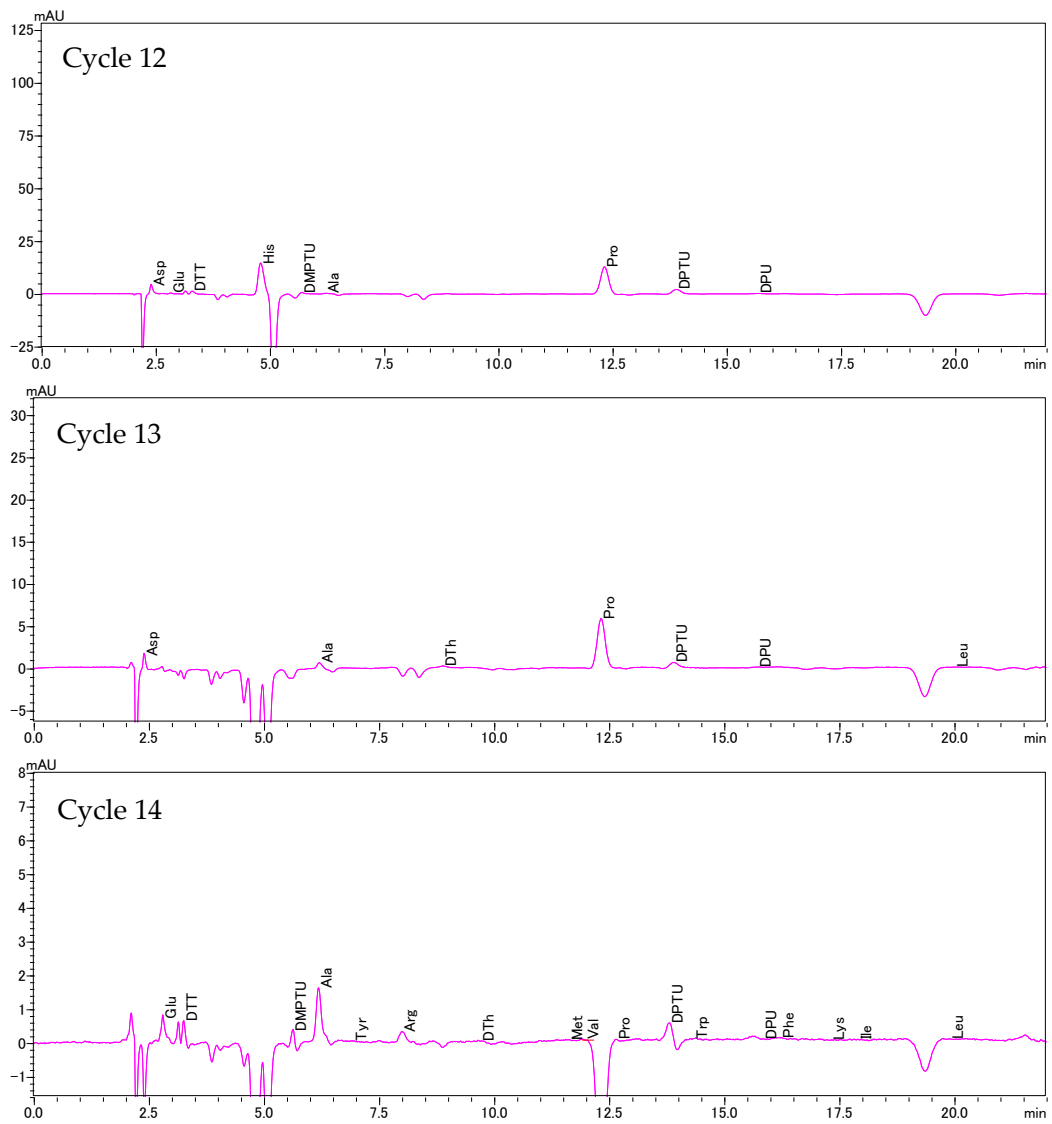
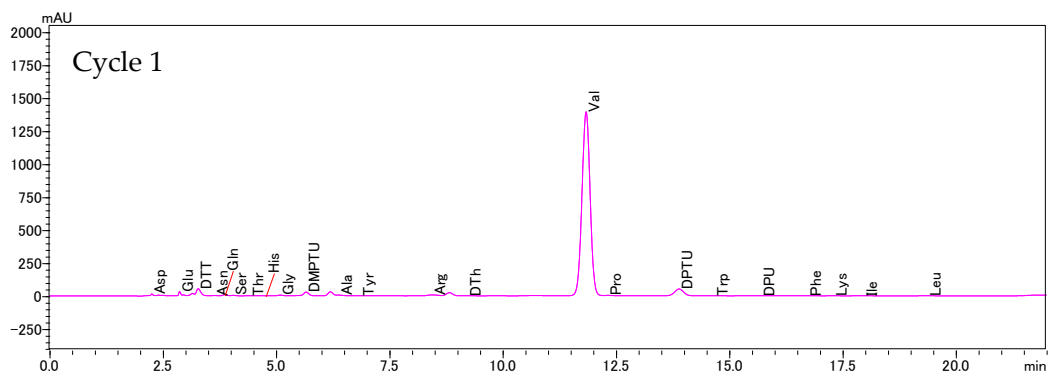
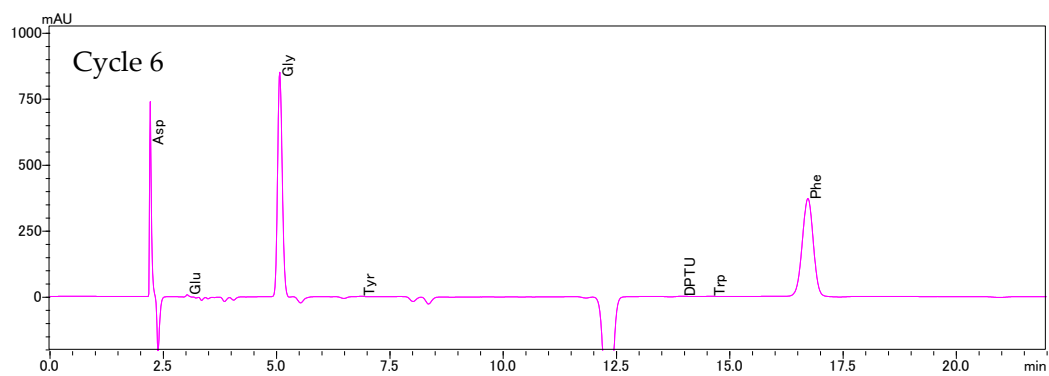
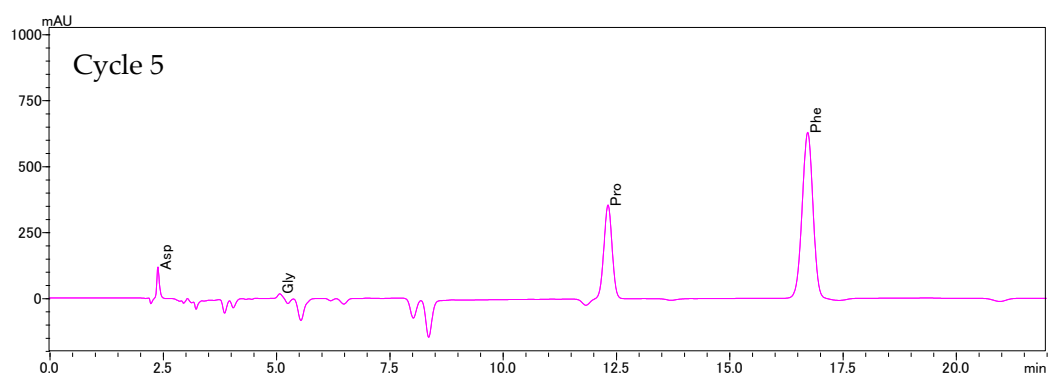
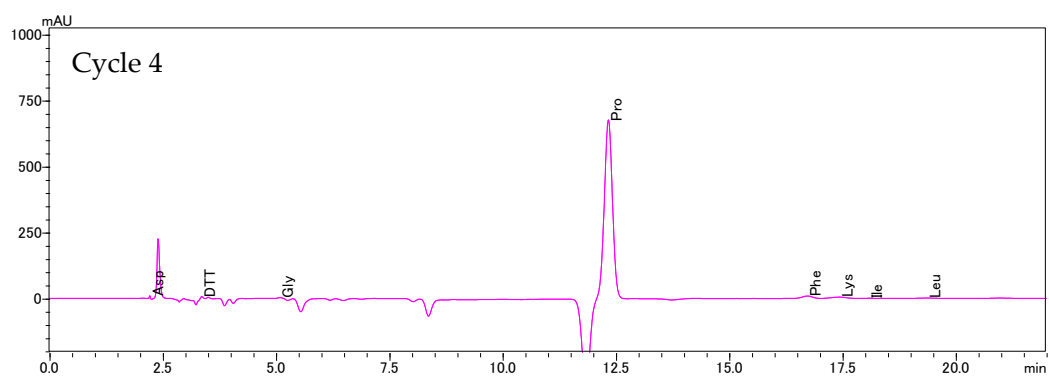
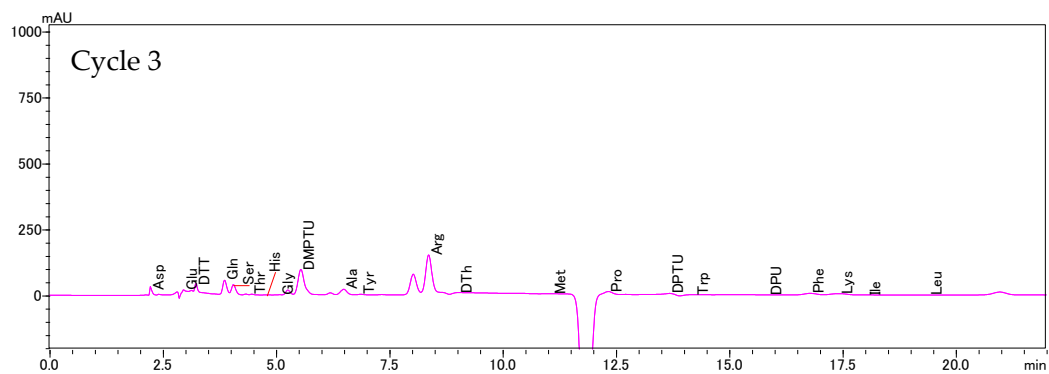
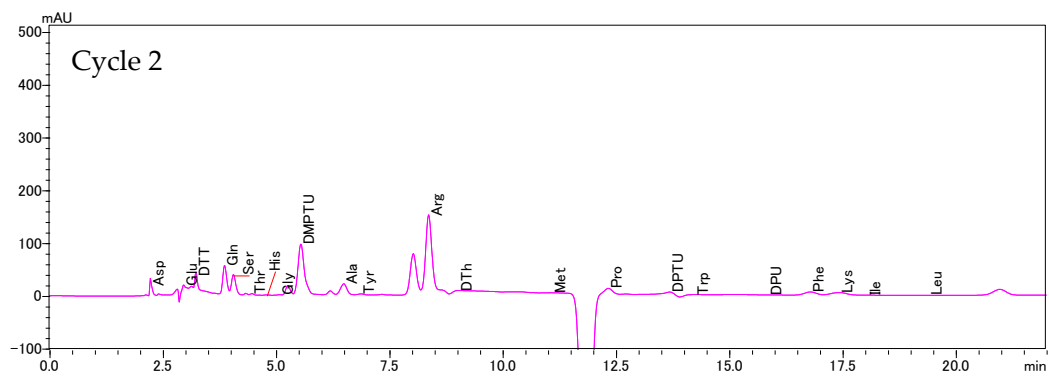
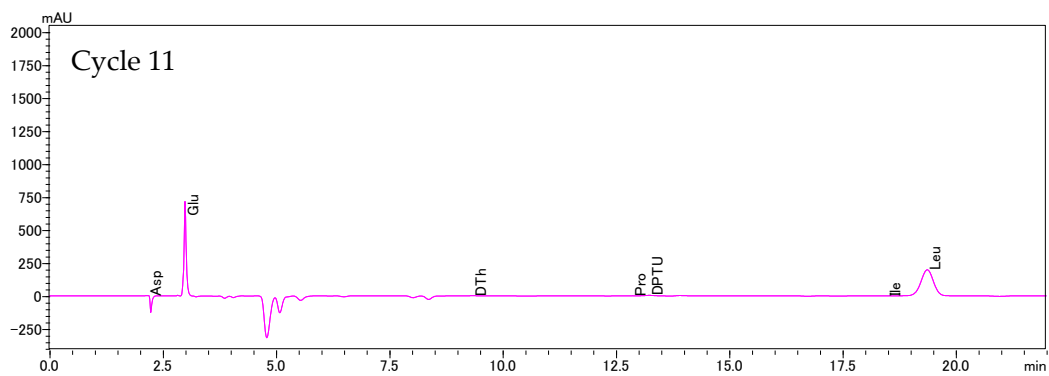
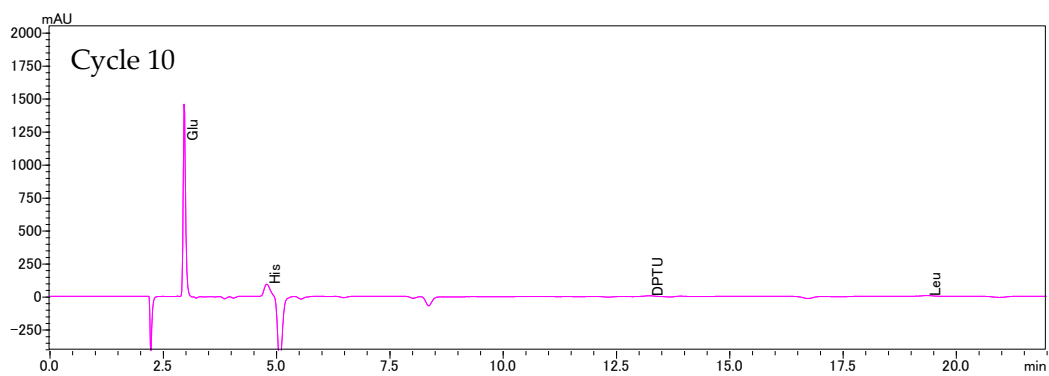
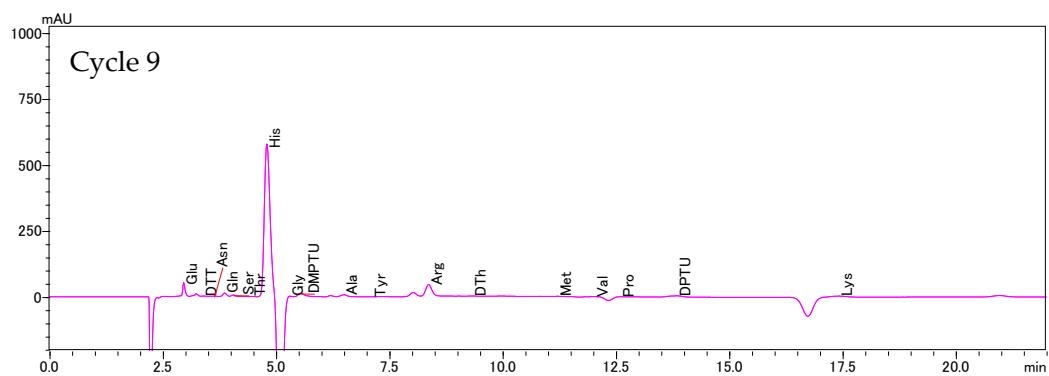
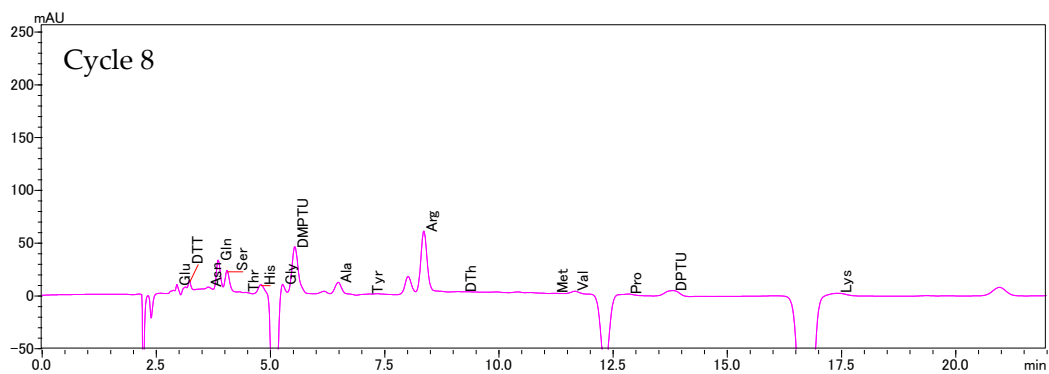
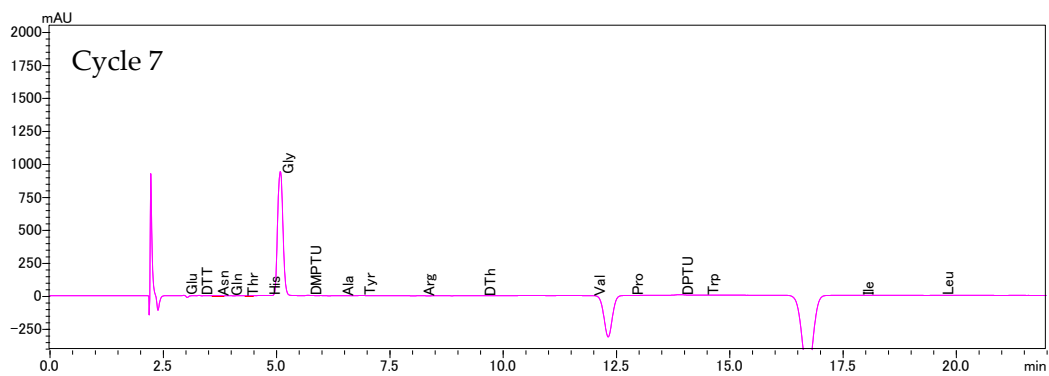


Figure S3. HPLC chromatograms of the amino acids released from each Edman degradation cycle of Mr3d.1.







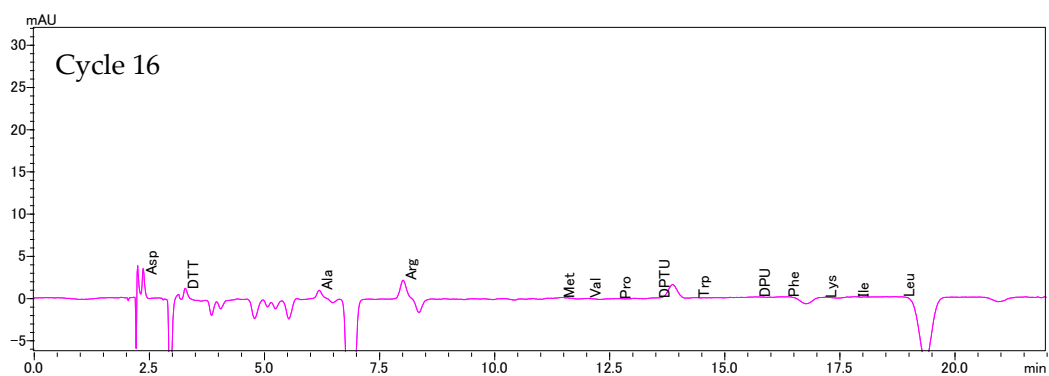
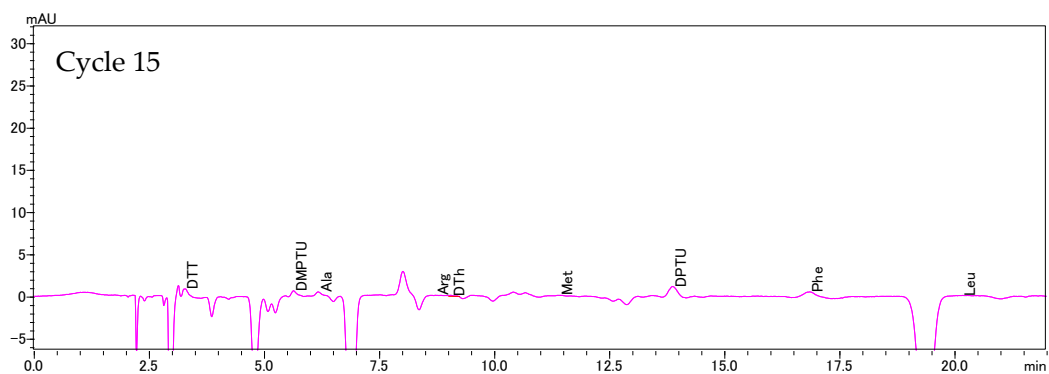
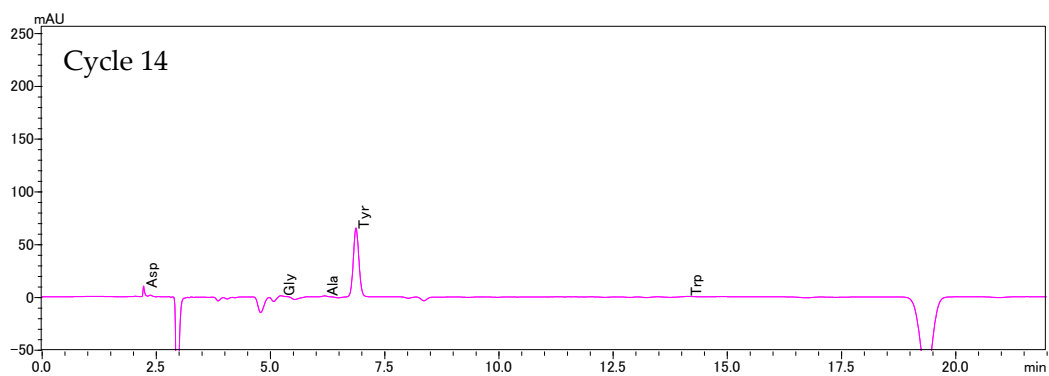
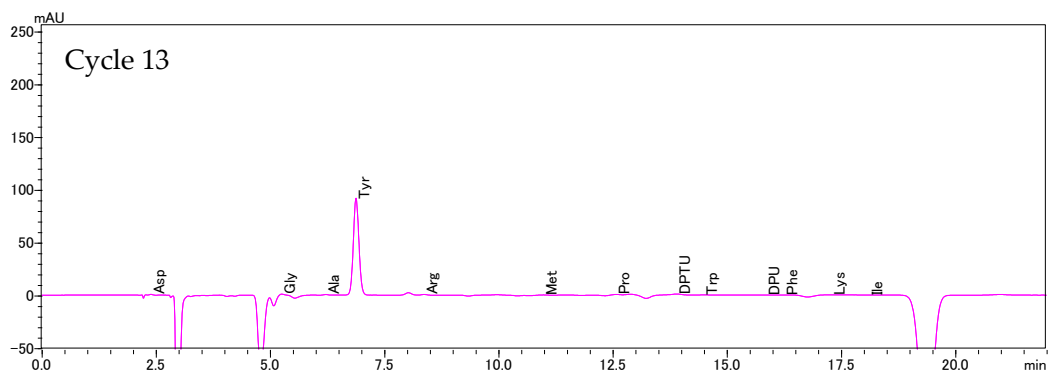
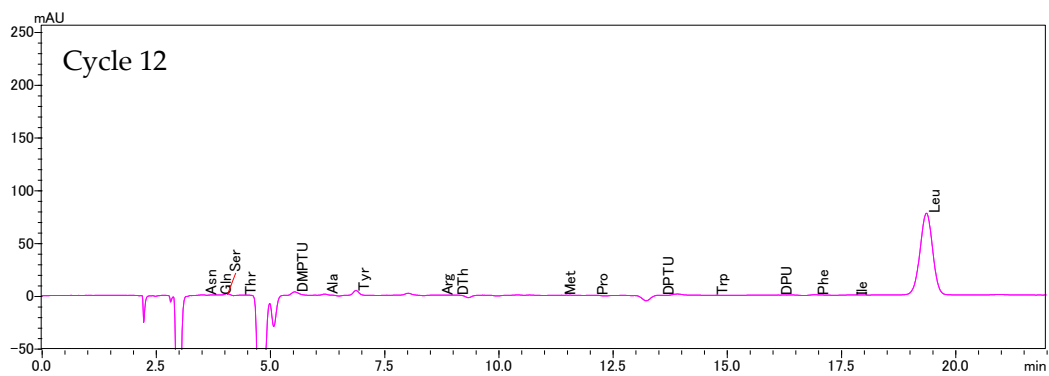
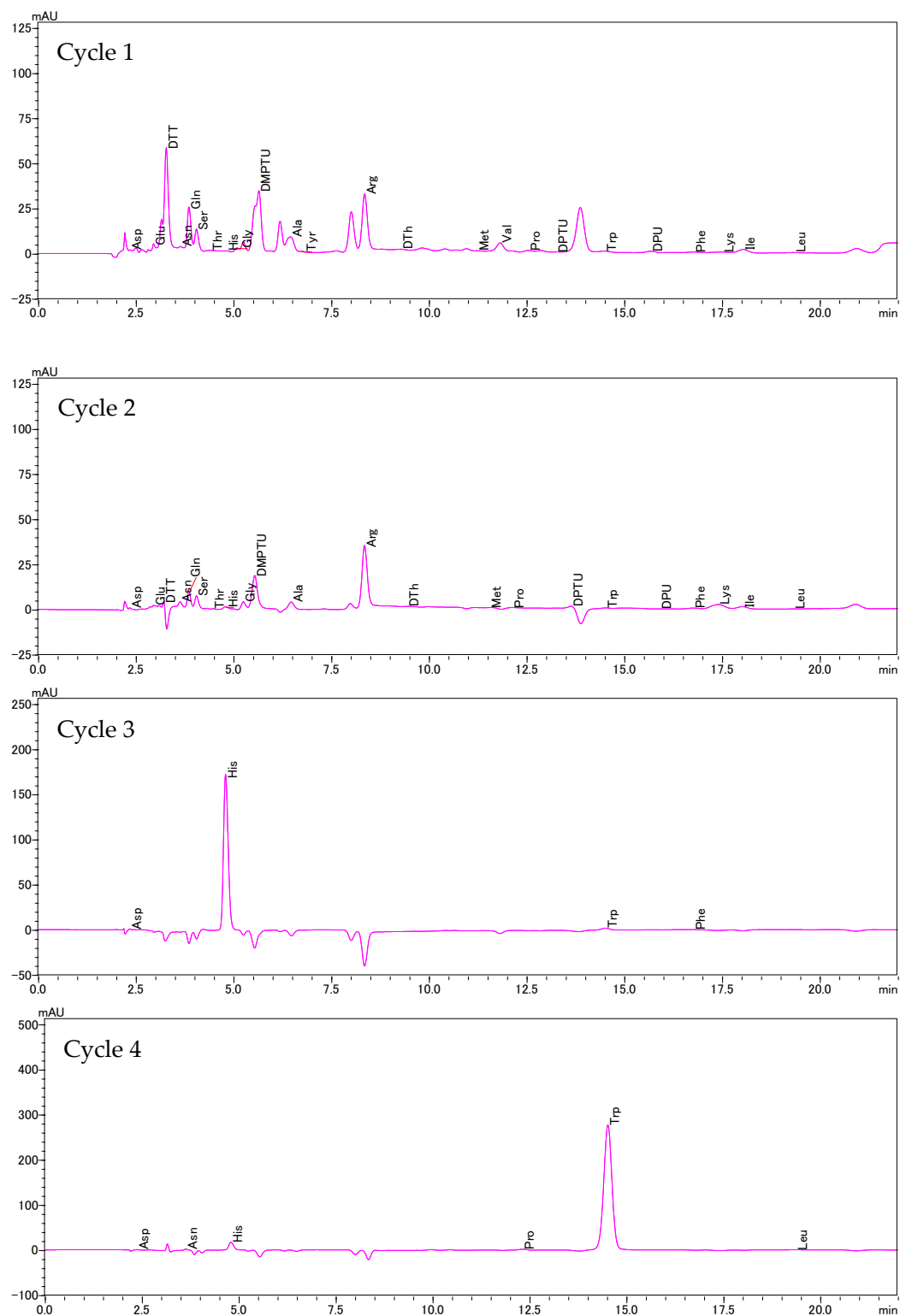
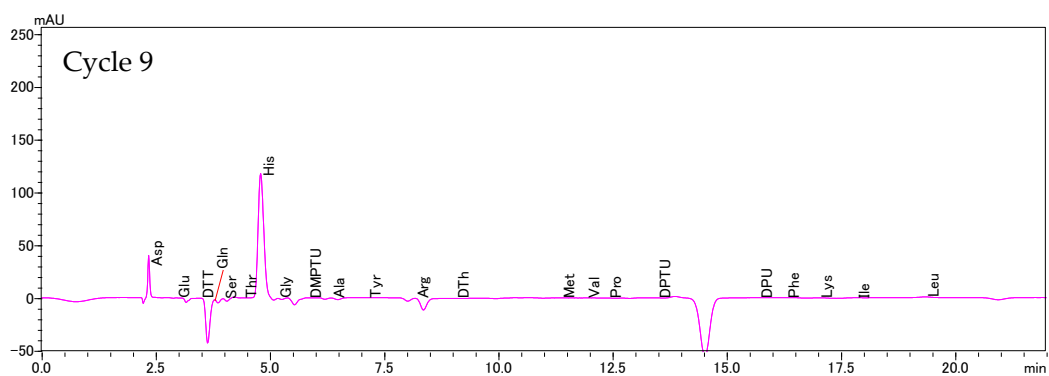
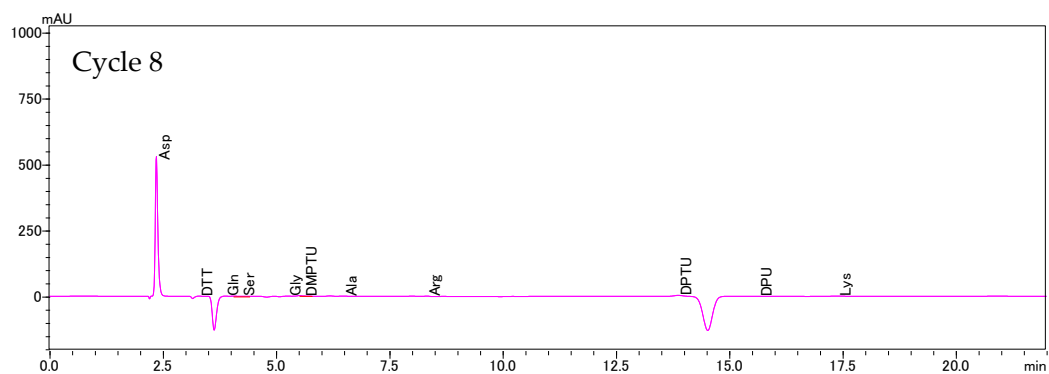
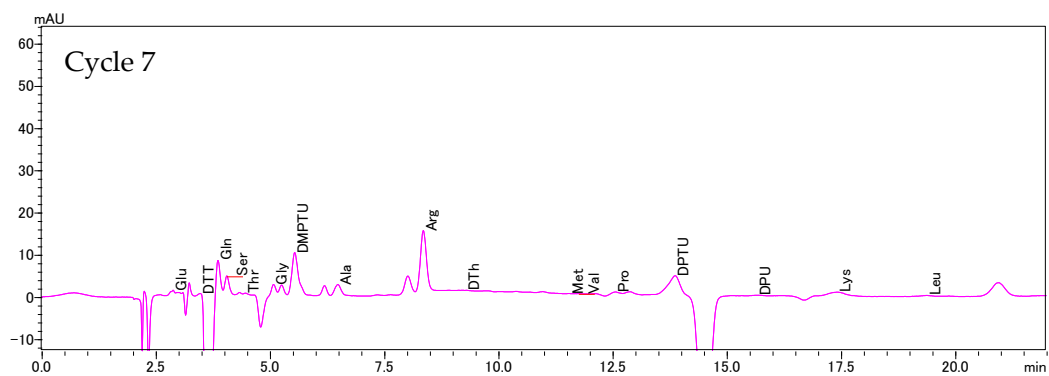
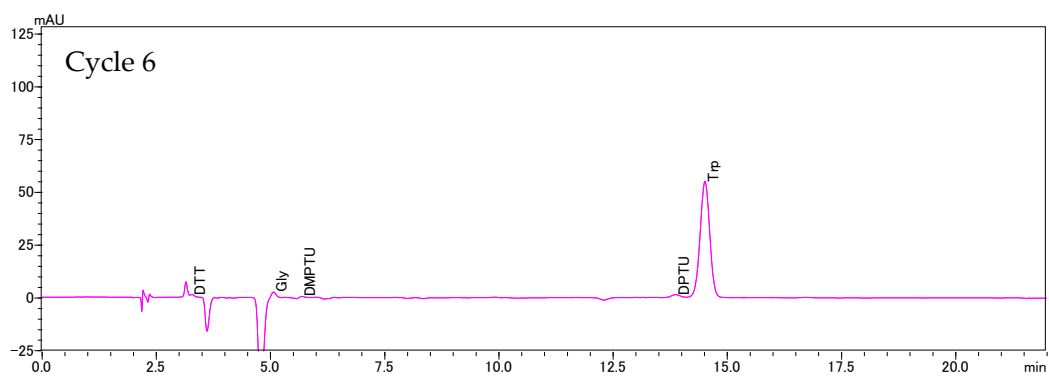
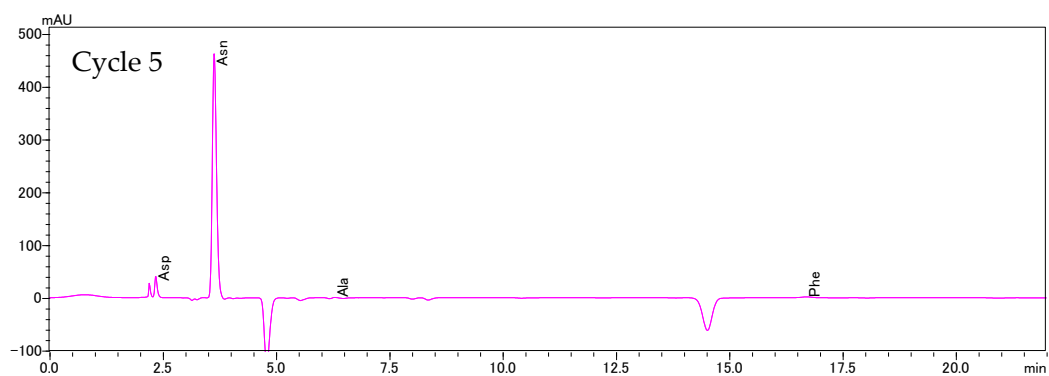
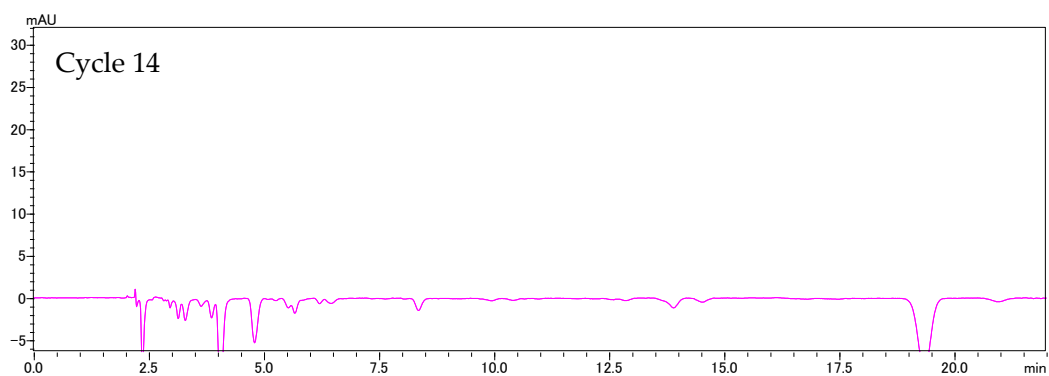
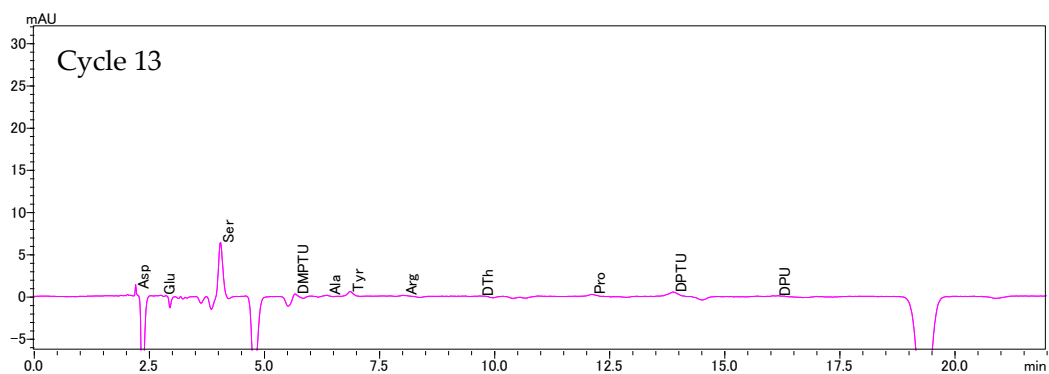
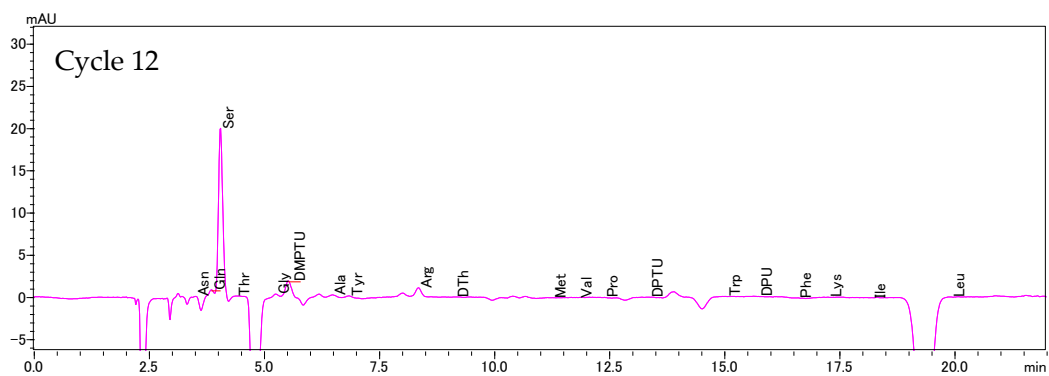
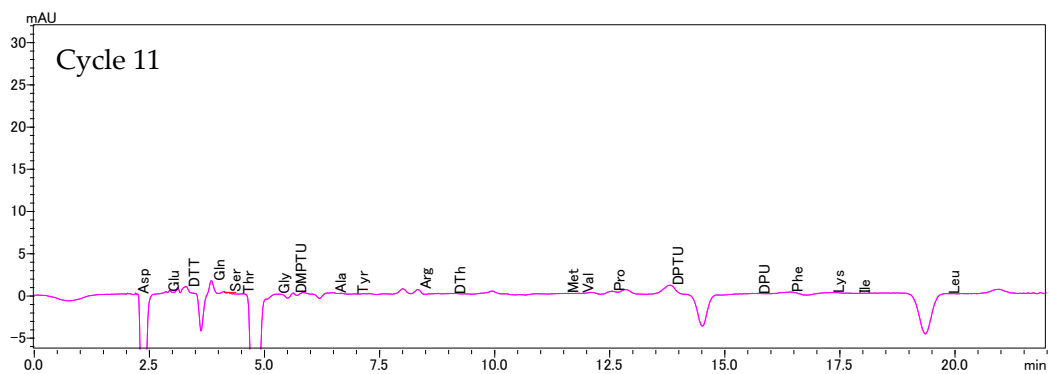
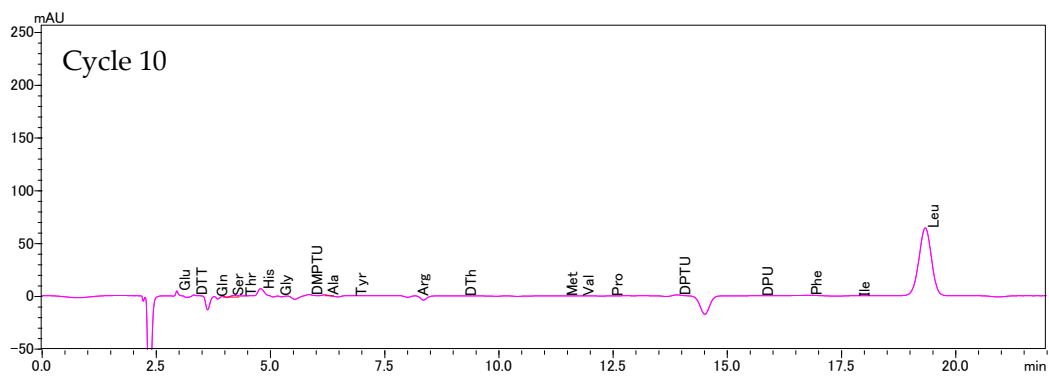


Figure S4. HPLC chromatograms of the amino acids released from each Edman degradation cycle of Mr3e.1.







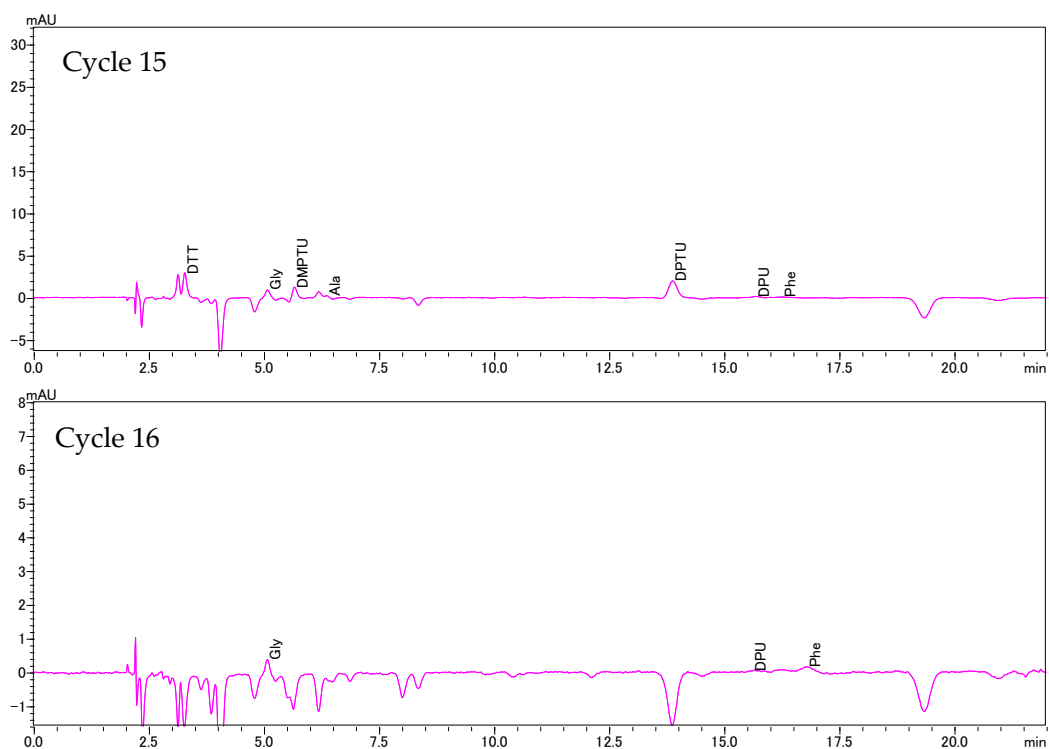
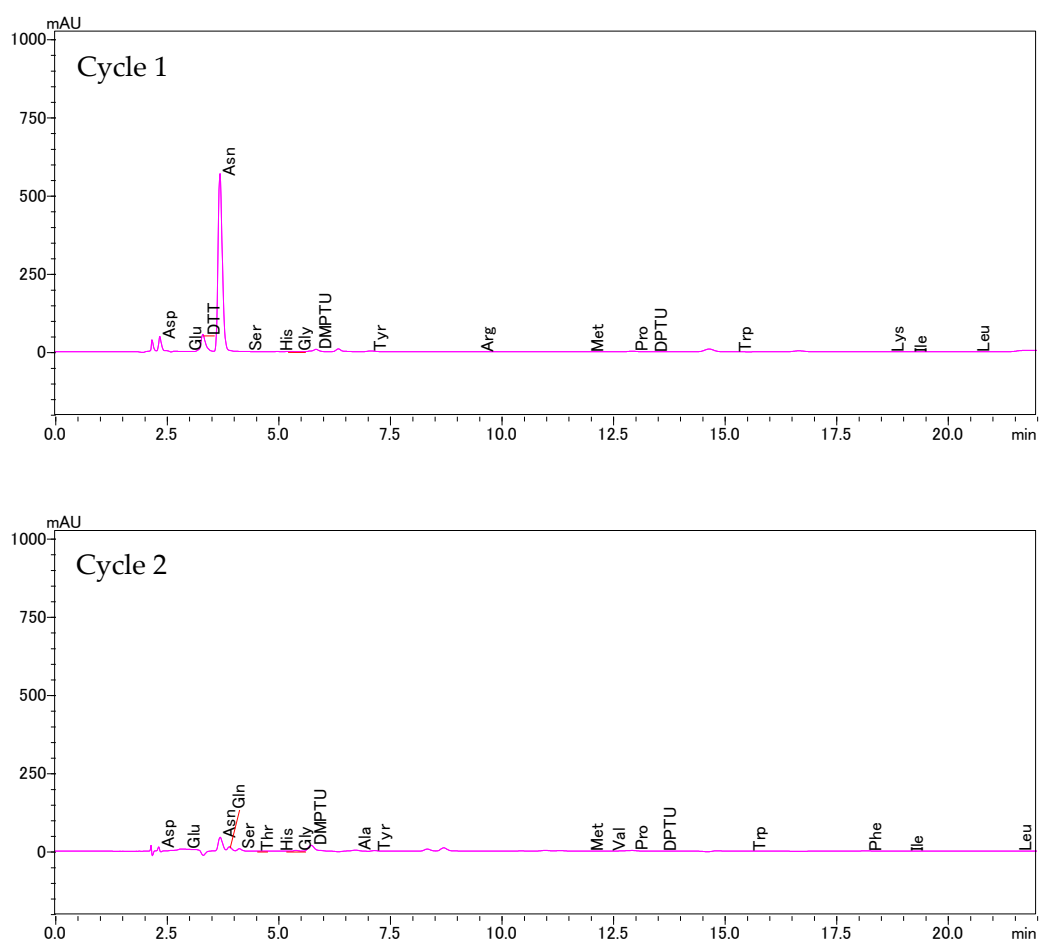
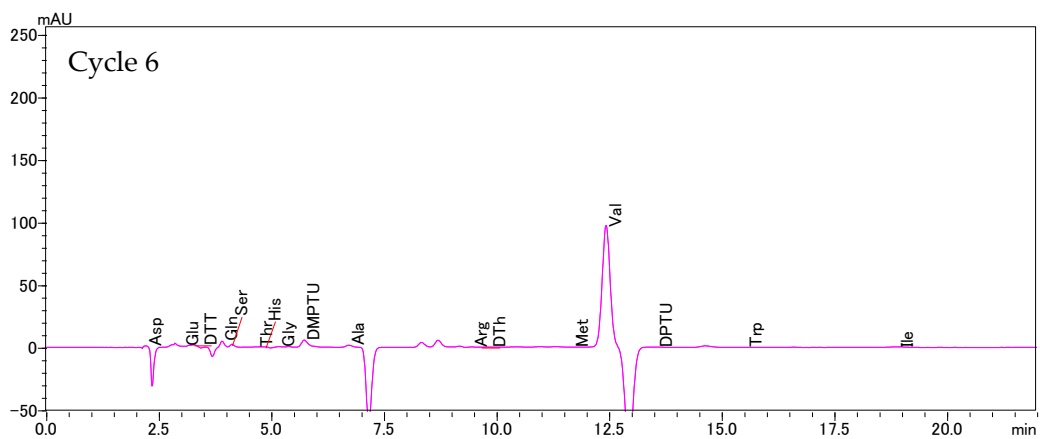
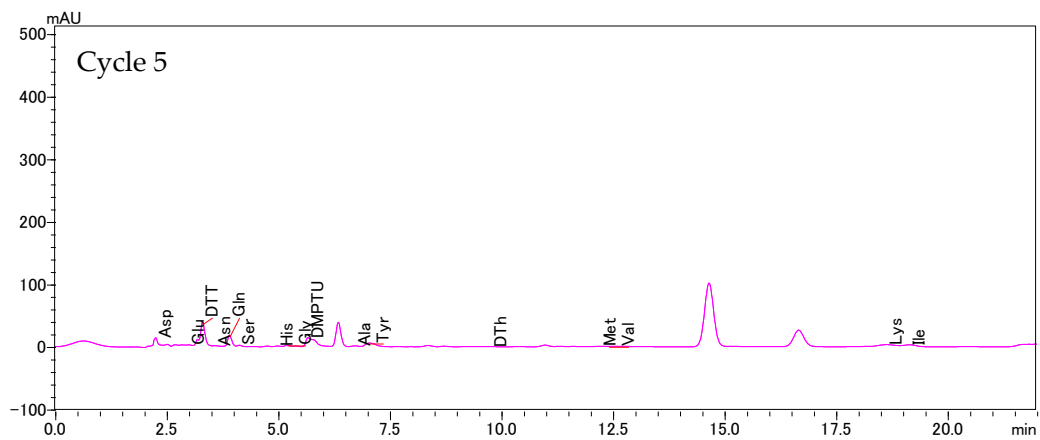
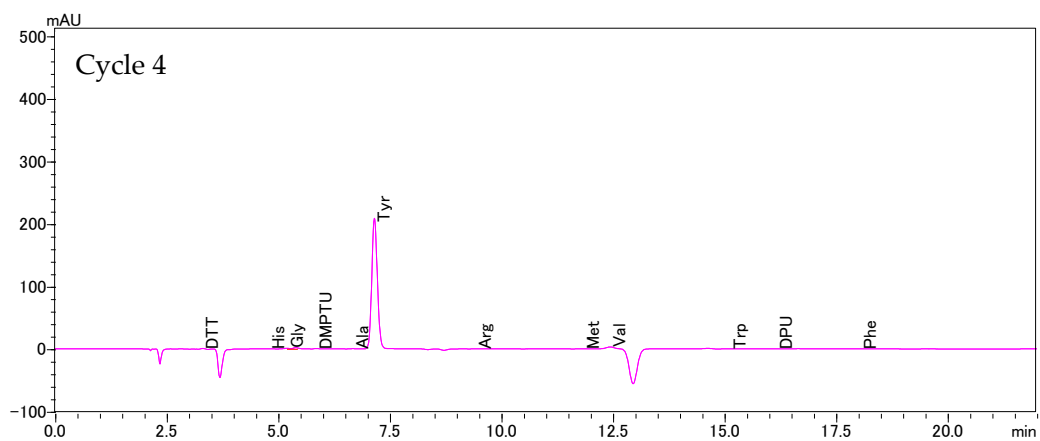
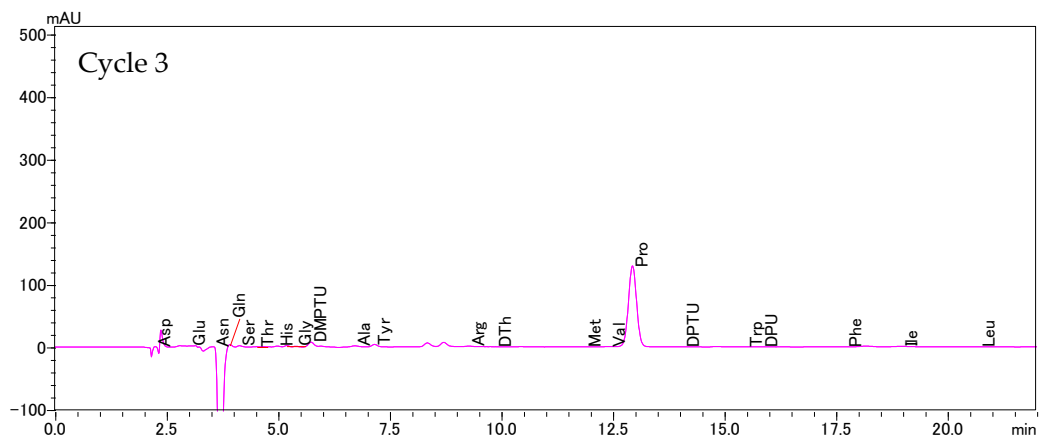
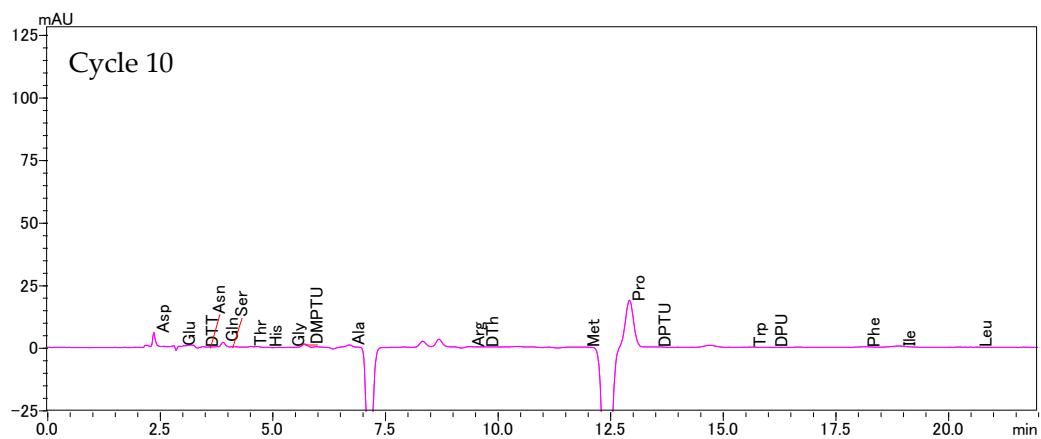
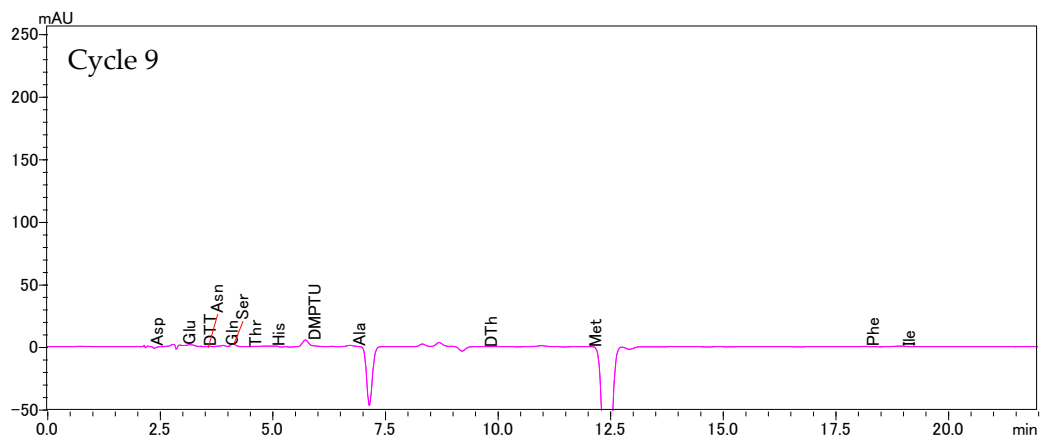
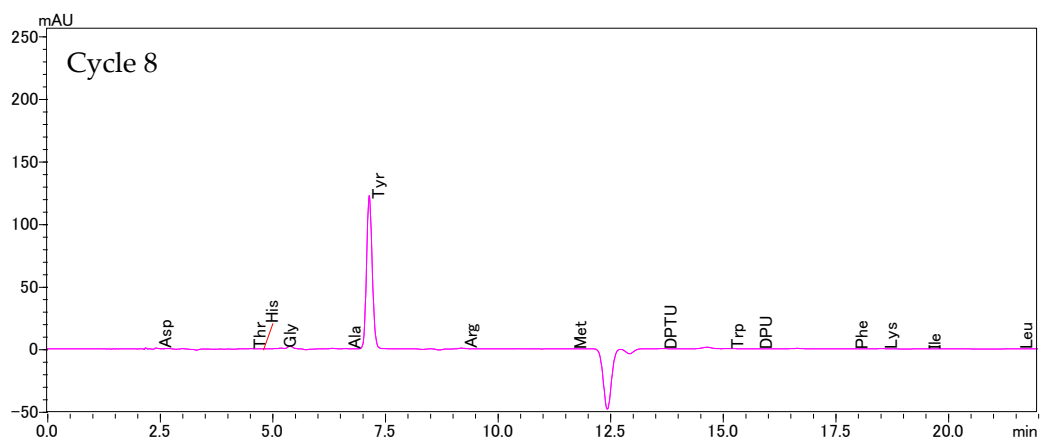
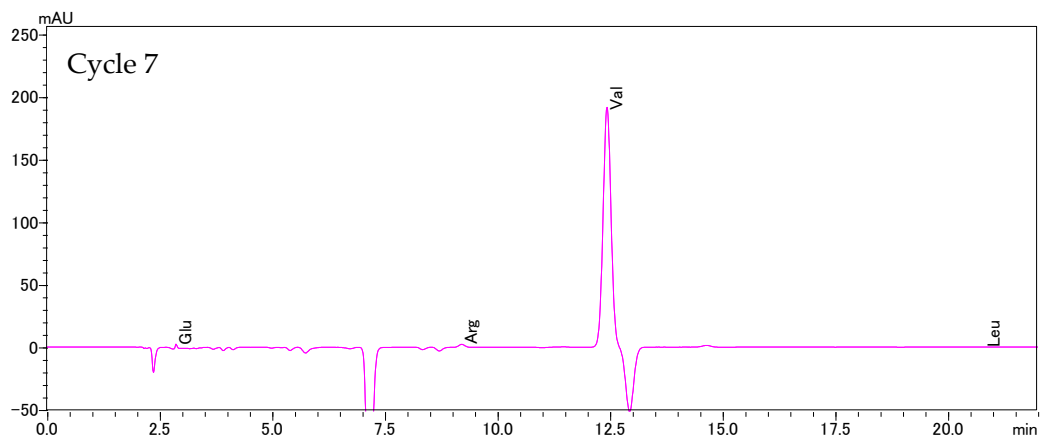
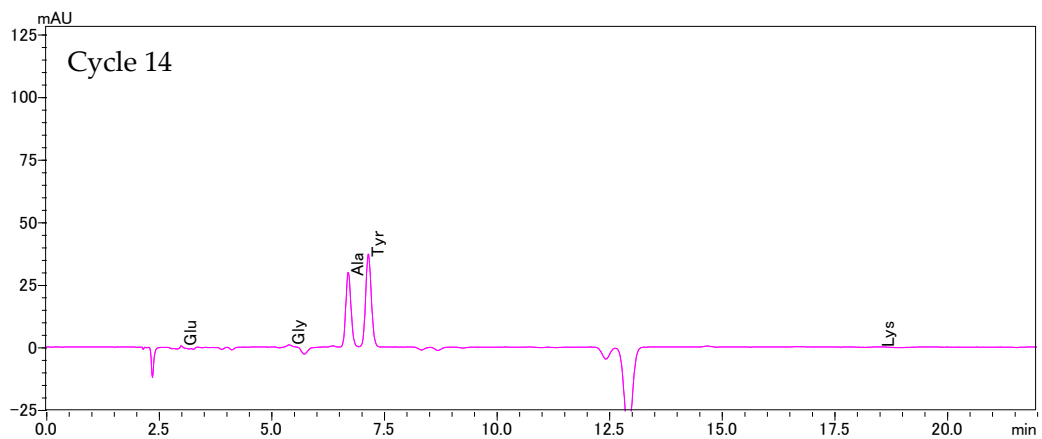
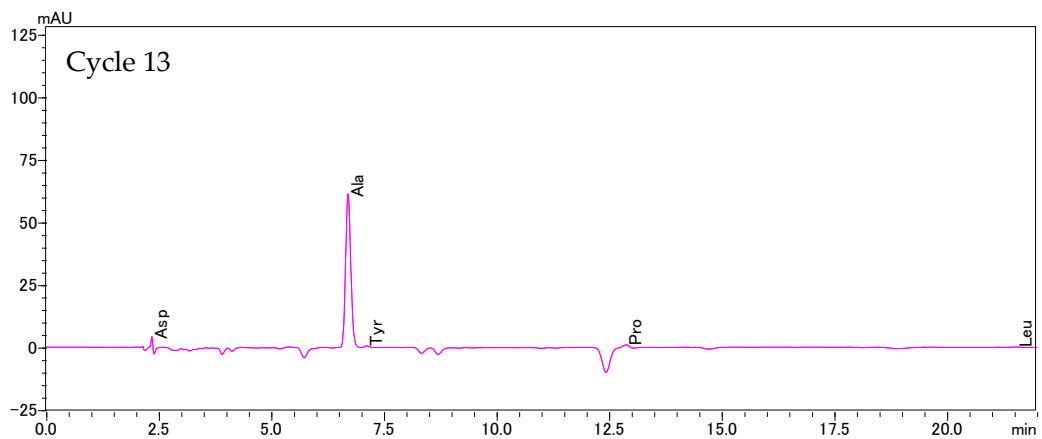
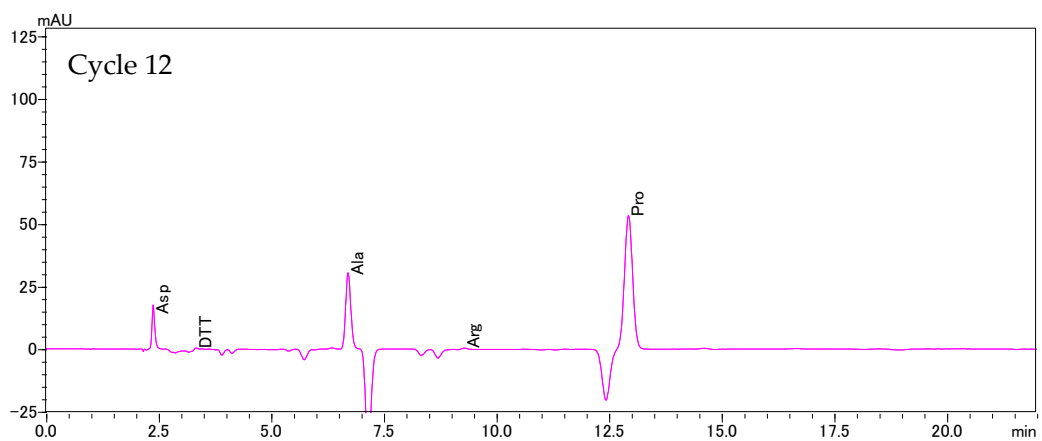
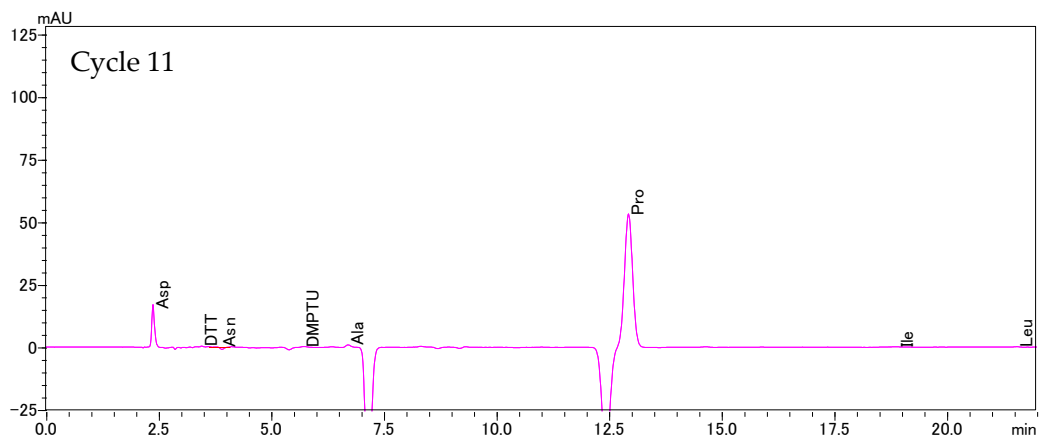


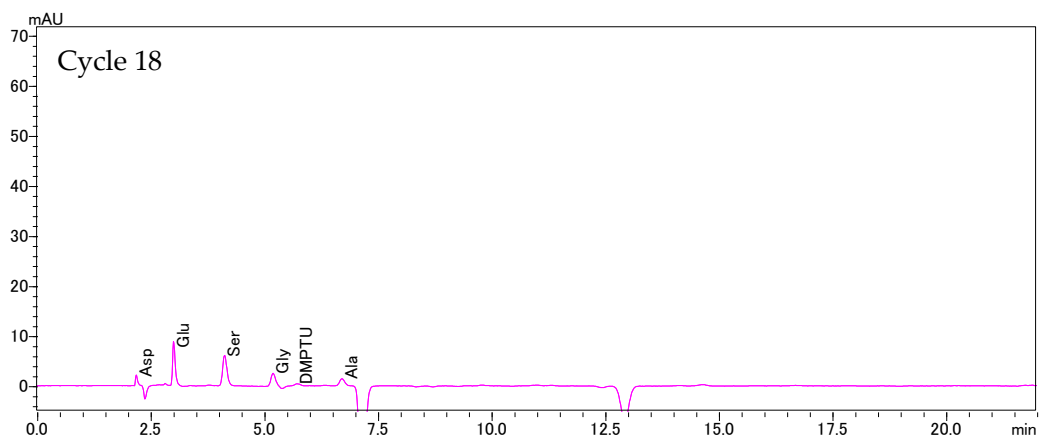
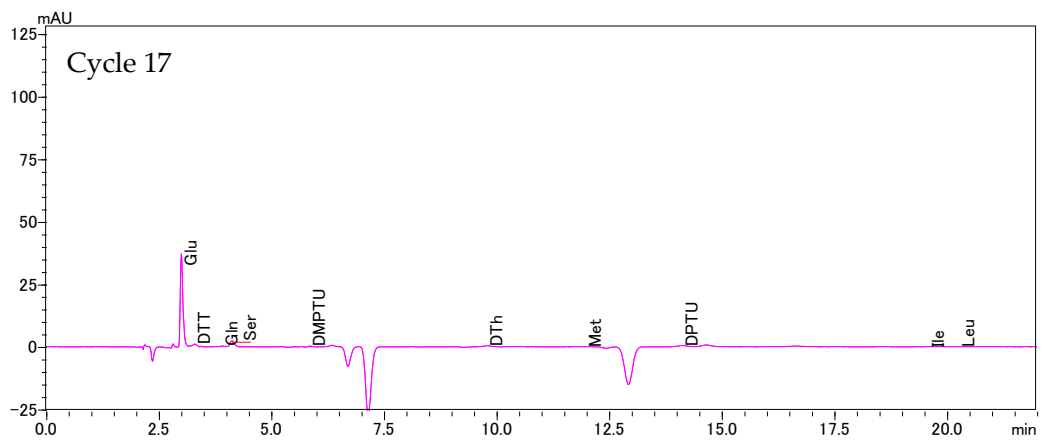
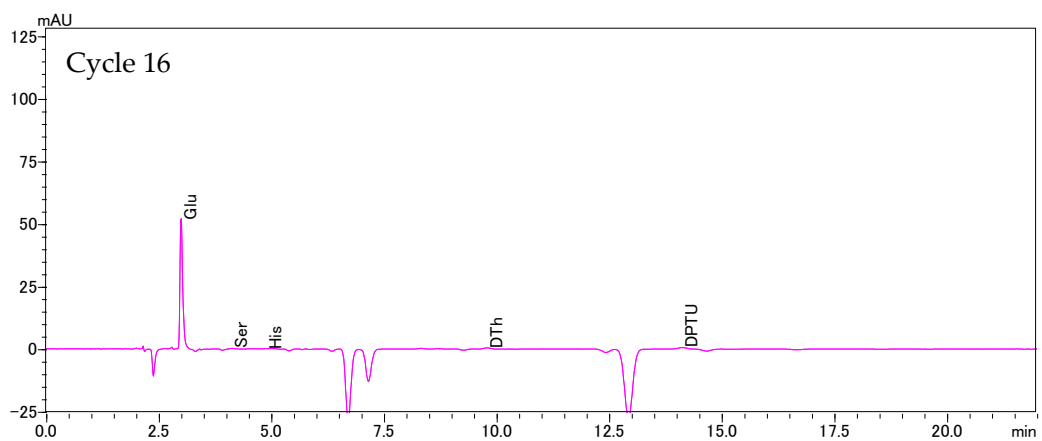
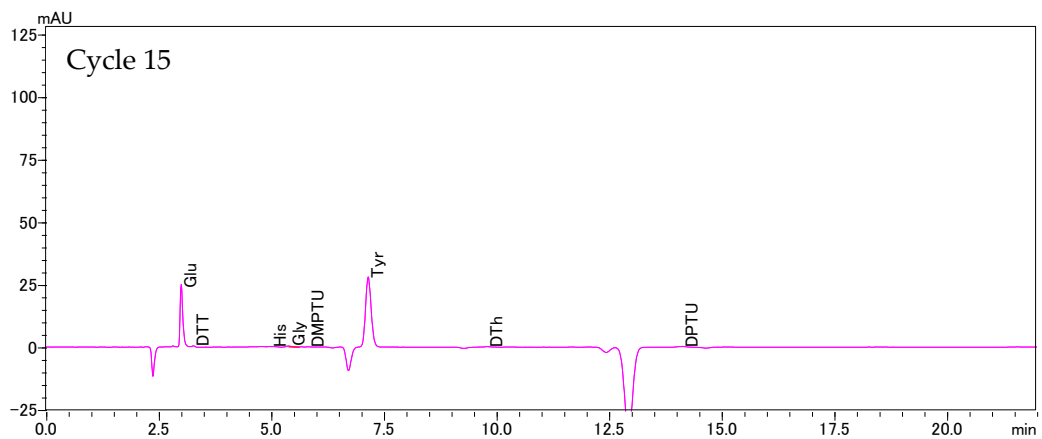
Figure S5. HPLC chromatograms of the amino acids released from each Edman degradation cycle of Mr3.8.











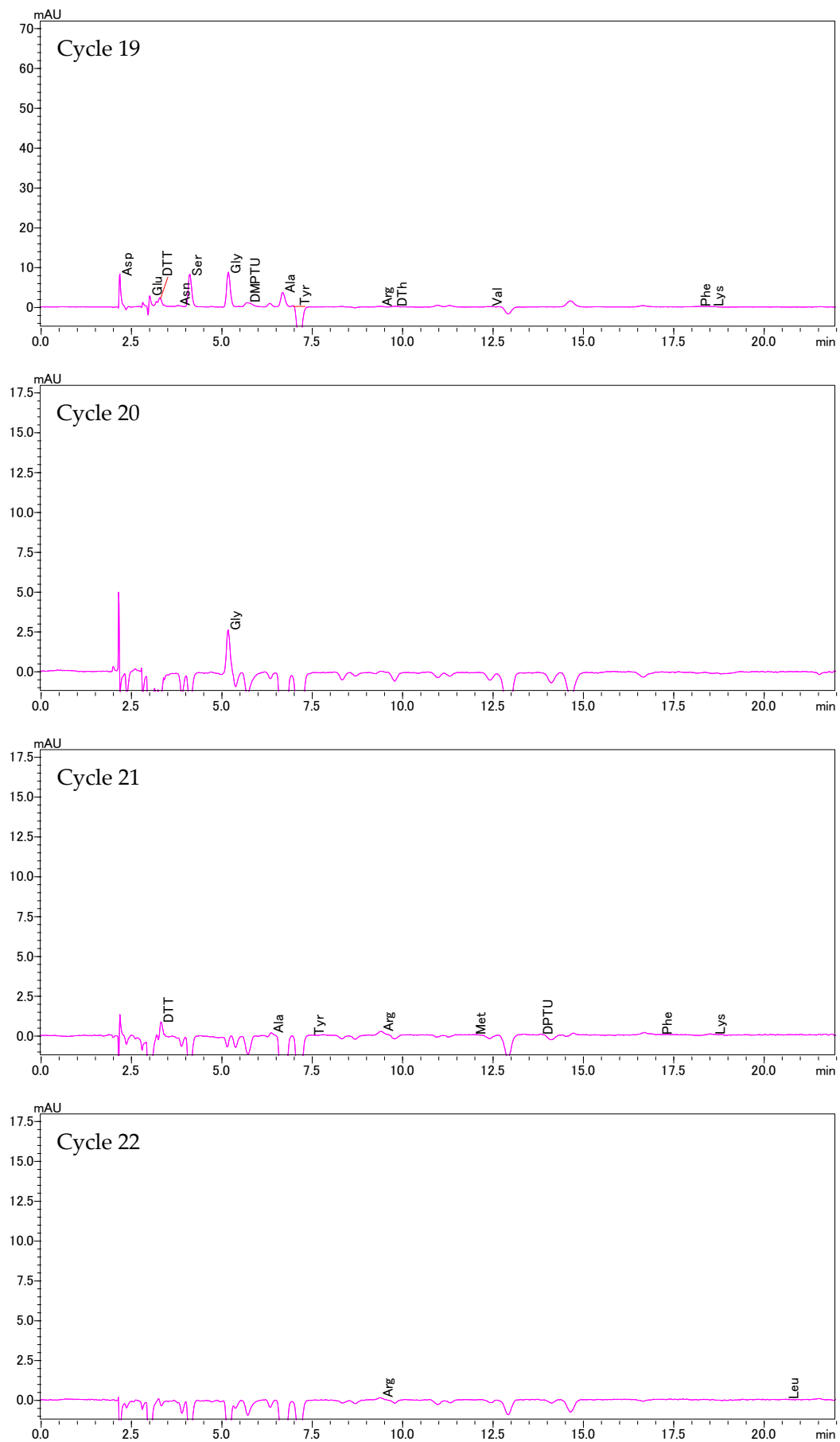


Figure S6. HPLC chromatograms of the amino acids released from each Edman degradation cycle of TCP.