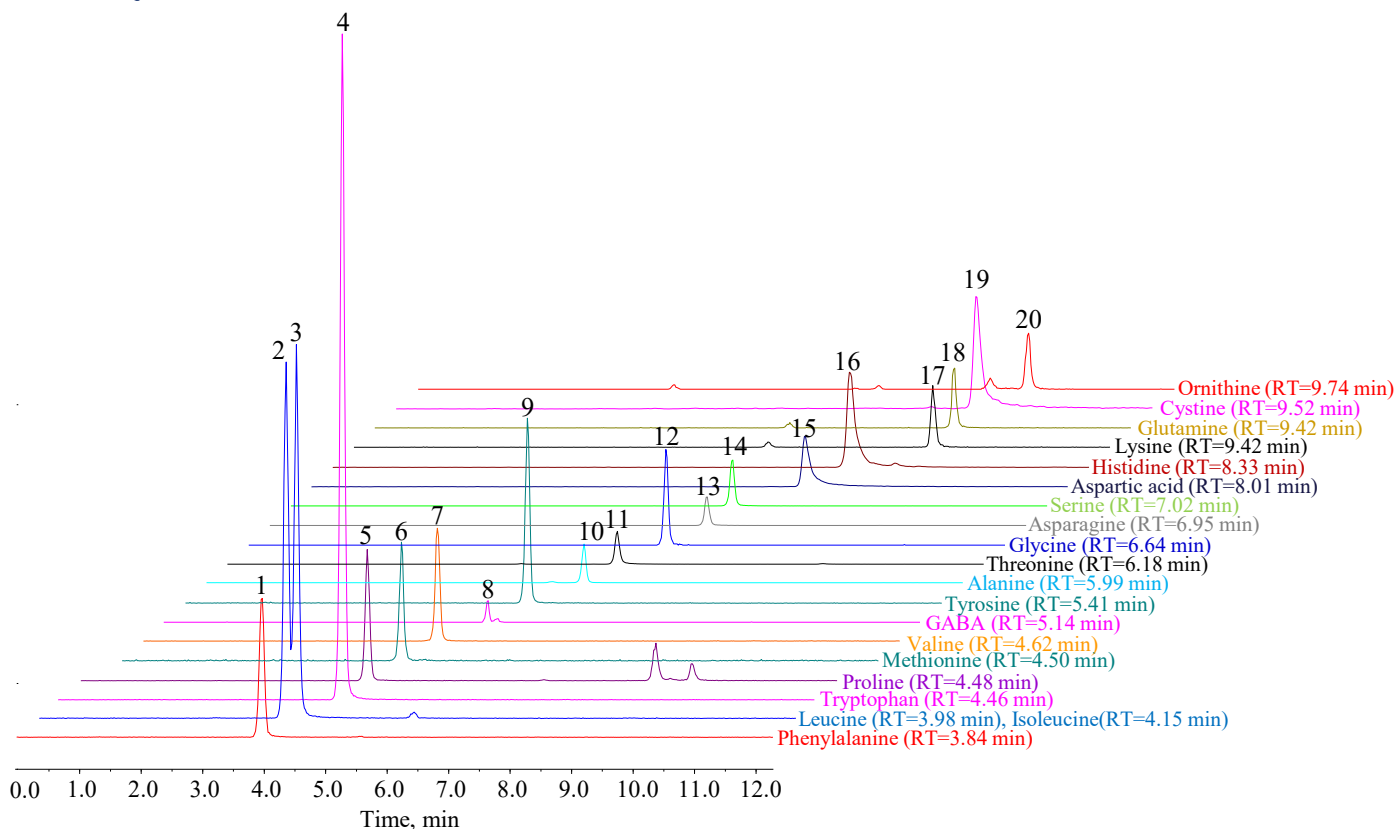


Analysis of Amino acids



Conditions

System : ExionLC AD (SCIEX) Qtrap 6500+
Column : Inertsil Hybrid-Z HILIC (GL Sciences Inc.)
 (3.5 μ m, 100 x 2.1 mm I.D.)
Column Cat. No. : 5020-76195
Eluent : A) 0.1 % HCOOH in CH₃CN
 B) 0.1 % HCOOH, 50 mM HCOONH₄ in H₂O

Time (min)	A %	B %
0.0	90	10
15.0	50	50
18.0	20	80
21.0	20	80
21.1	90	10

Flow Rate : 0.2 mL/min
Col. Temp. : 40 °C
Detection : MS/MS (ESI, Positive)
Injection Vol. : 2 μ L
Sample : Standard in CH₃CN/H₂O = 2/1

Analyte:

Analyte	Q1/ Q3
1. Phenylalanine (0.5 μ mol/L)	166.1/120.1
2. Leucine (0.5 μ mol/L)	132.1/ 86.1
3. Isoleucine (0.5 μ mol/L)	132.1/ 86.1
4. Tryptophan (0.5 μ mol/L)	205.1/188.1
5. Proline (0.5 μ mol/L)	116.1/ 70.1
6. Methionine (0.5 μ mol/L)	150.1/104.1
7. Valine (5 μ mol/L)	118.1/ 72.1
8. GABA (5 μ mol/L)	104.1/ 87.1
9. Tyrosine (0.5 μ mol/L)	182.1/136.1
10. Alanine (0.5 μ mol/L)	90.1/ 44.1
11. Threonine (0.5 μ mol/L)	120.1/ 74.1
12. Glycine (5 μ mol/L)	76.1/ 30.1
13. Asparagine (0.5 μ mol/L)	133.1/ 74.1
14. Serine (0.5 μ mol/L)	106.1/ 60.1
15. Aspartic acid (5 μ mol/L)	134.1/ 74.1
16. Histidine (0.5 μ mol/L)	156.1/110.1
17. Lysine (0.5 μ mol/L)	147.1/ 84.1
18. Glutamine (0.5 μ mol/L)	147.1/ 84.1
19. Cystine (5 μ mol/L)	241.1/152.1
20. Ornithine (5 μ mol/L)	133.1/ 70.1