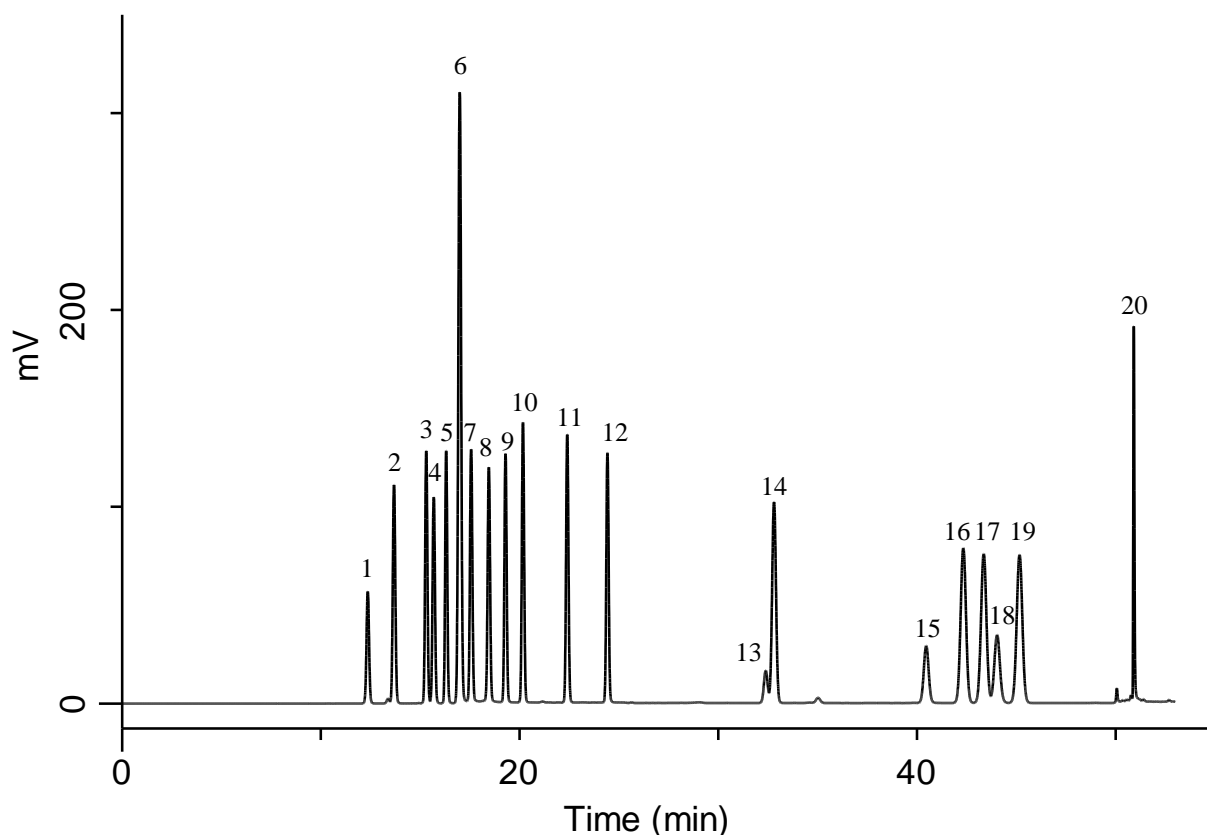


Simultaneous analysis of Amino acids derivatized with 4-fluoro-7-nitro-2,1,3-benzoxadiazole (NBD-F)



Conditions

Column : InertSustainSwift C18
(5 μ m, 250 x 4.6 mm I.D.)

Column Cat. No. : 5020-88027

Eluent : A) CH₃CN
B) 0.1% TFA in H₂O

Time (min)	A (vol%)	B (vol%)
0.0	10	90
5.0	10	90
20.0	30	70
45.0	35	65
46.0	80	20
50.0	80	20

Flow rate : 1.0 mL/min

Col. Temp. : 40 °C

Detection : FL Ex 470 nm Em 530 nm

Injection Vol. : 2 μ L

Sample : Standard solution derivatized by NBD-F

Analyte:

- | | |
|----------------------|-----------------------|
| 1. NBD-Histidine | 11. NBD-Alanine |
| 2. NBD-Asparagine | 12. NBD-Proline |
| 3. NBD-Glutamine | 13. NBD-Methionine |
| 4. NBD-Serine | 14. NBD-Valine |
| 5. NBD-Arginine | 15. NBD-Cystine |
| 6. NBD-OH | 16. NBD-Isoleucine |
| 7. NBD-Aspartic acid | 17. NBD-Leucine |
| 8. NBD-Glycine | 18. NBD-Lysine |
| 9. NBD-Glutamic acid | 19. NBD-Phenylalanine |
| 10. NBD-Threonine | 20. NBD-Tyrosine |

(NBD-amino acids, 20 μ mol/L each)