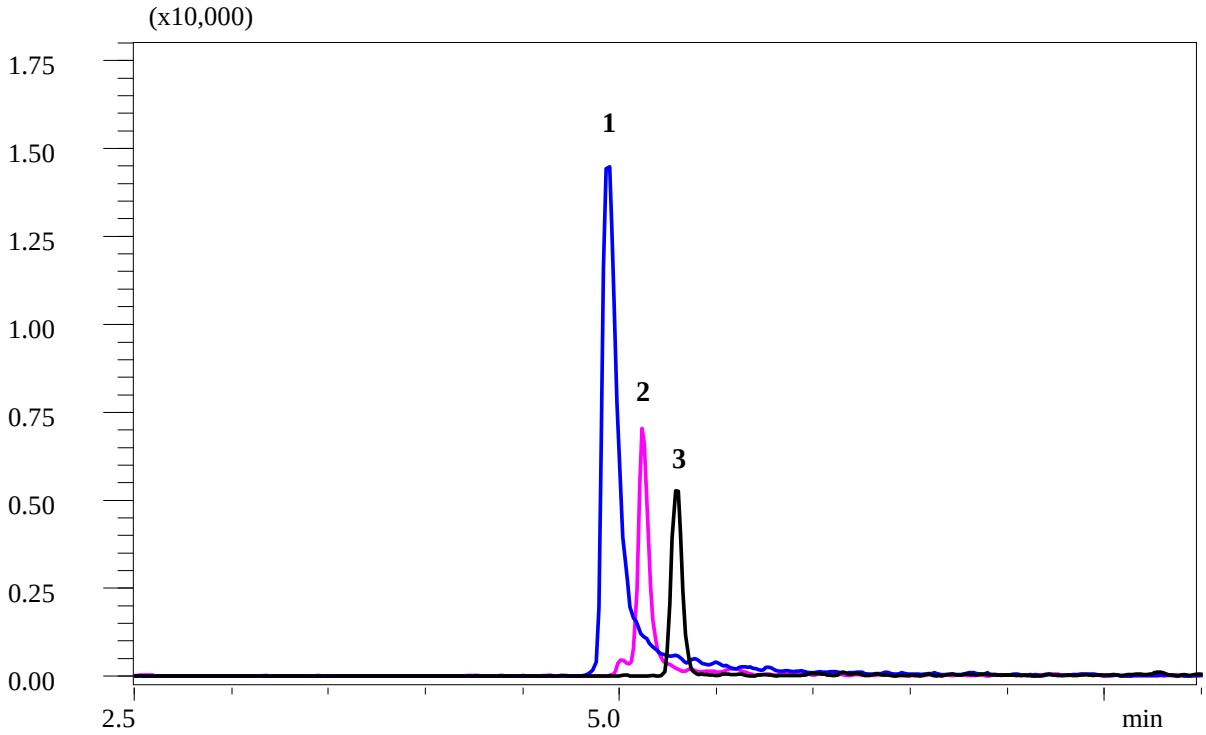
Analysis of Riboflavin (Vitamin B2) and its metabolites



Conditions

System : Nexera HPLC system (Shimadzu)
LCMS-8030 Plus (Shimadzu)

Column : IM Column InertSustainSwift C18 (GL Sciences Inc.)
(3 μm, 150 x 2.1 mm I.D.)

Column Cat. No. : 5020-32017

Eluent : A) CH_3CN
B) 0.1% HCOOH in H_2O

Time (min)	A (vol %)	B (vol %)
0.0	1	99
10.0	100	0
15.0	100	0

Flow Rate : 0.2 mL/min

Col. Temp. : 40 ℃

Detection : MS/MS (ESI, Negative, SRM)

Nebulizing gas flow	Heating gas flow	Interface temperature	DL temperature	Heat block temperature	Drying gas flow
2 L/min	15 L/min	300 ℃	250 ℃	400 ℃	15 L/min

Injection Vol. : 3 μL

Sample : Standard

Analyte:	Q1/Q3	
1. FAD	784.00/346.10	1.0 mg/L
2. FMN	455.00/97.05	0.1 mg/L
3. Riboflavin	375.20/255.20	1.0 mg/L