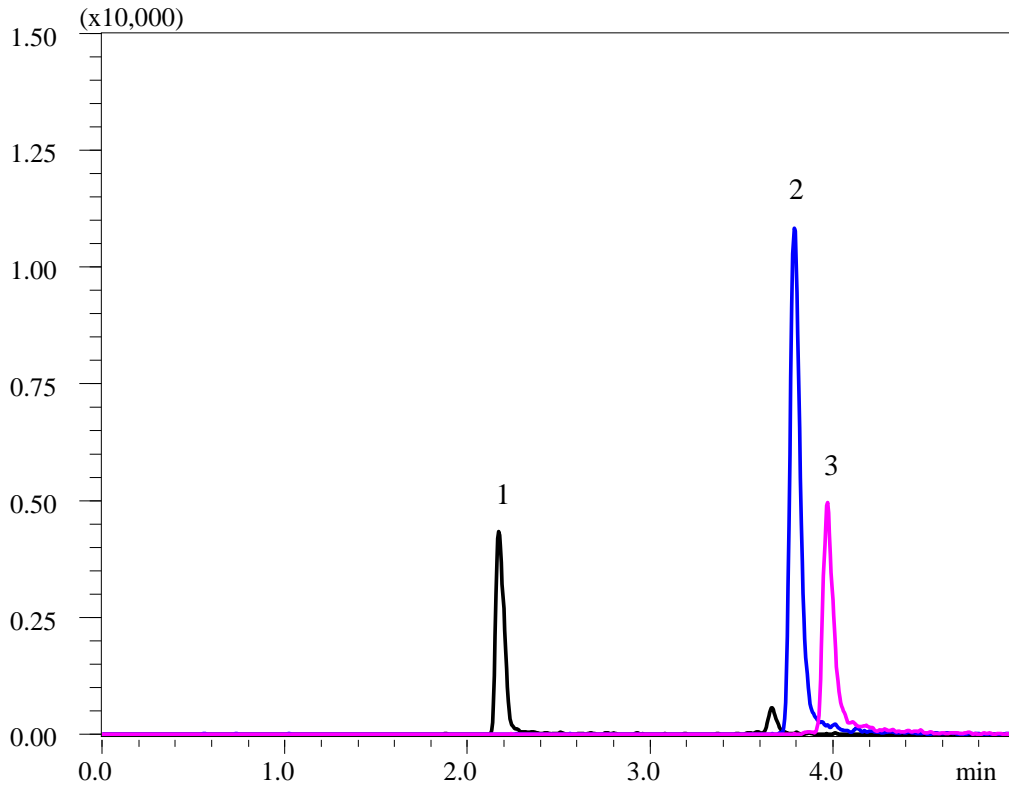


Analysis of Coenzyme A (CoA)



Conditions

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

Column : IM Column InertSustain AQ-C18 (GL Sciences Inc.)
(3 μ m, 150 x 2.1 mm I.D.)

Column Cat. No. : 5020-32011

Eluent : A) 5 mM HCOONH₄ in CH₃OH
B) 5 mM HCOONH₄ in H₂O

Time (min)	A (vol %)	B (vol %)
0.0	3	97
5.0	100	0
10.0	100	0

Flow Rate : 0.2 mL/min

Col. Temp. : 40 °C

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

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

Injection Vol. : 3 μ L

Sample : Standard

Analyte:	Q1/Q3	
1. Malonyl CoA	854.10/347.10	0.5 mg/L
2. CoA	769.00/260.90	0.1 mg/L
3. Acetyl CoA	811.00/304.10	0.1 mg/L