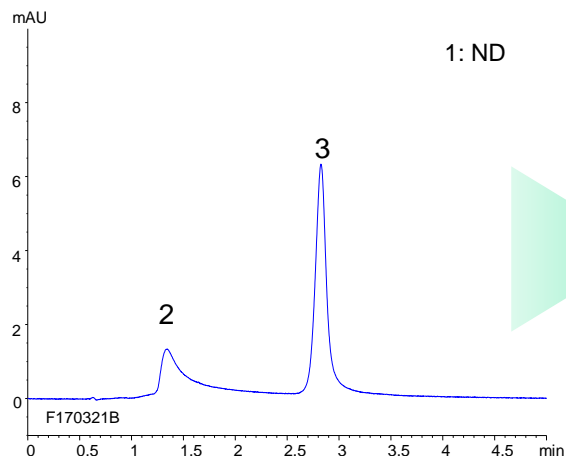
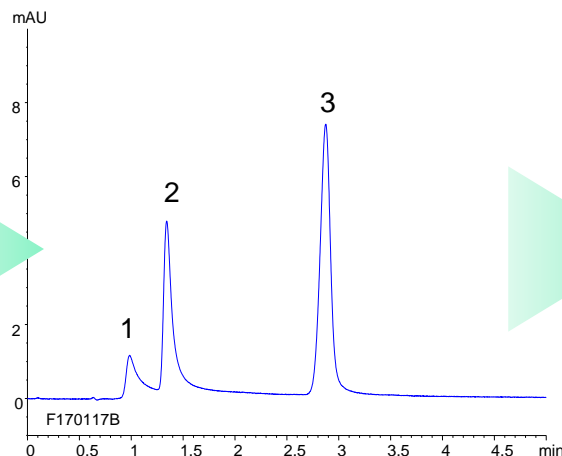


# Influence of system and column on analysis of nucleotides

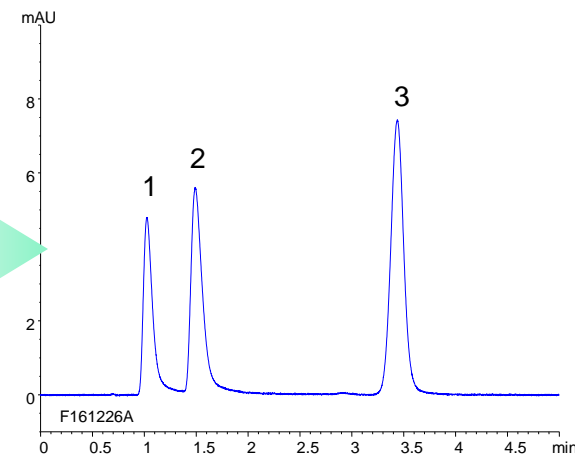
**Ordinary HPLC system & Standard column**



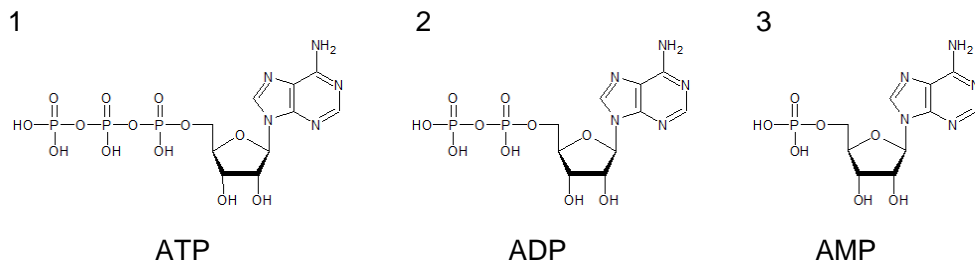
**Ordinary HPLC system & Metal free column**



**“Non-metal” HPLC system\*1 & Metal free column**



\*1 “Non-metal” HPLC system: PEEK sample loop, PEEK injector needle seat, and PEEK tubing are used.



Column	: YMC-Triart C18 3 μm, 50 X 2.1 mm.I.D.
Eluent	: 5 mM HCOONH <sub>4</sub>
Flow rate	: 0.21 mL/min
Temperature	: 25°C
Detection	: UV at 265 nm
Injection	: 1 μL (10 μg/mL)

ATP peak is detected, and peak shape of ADP is improved just by using the metal free column.



**Peak shape is greatly improved by using “non-metal” HPLC system.**