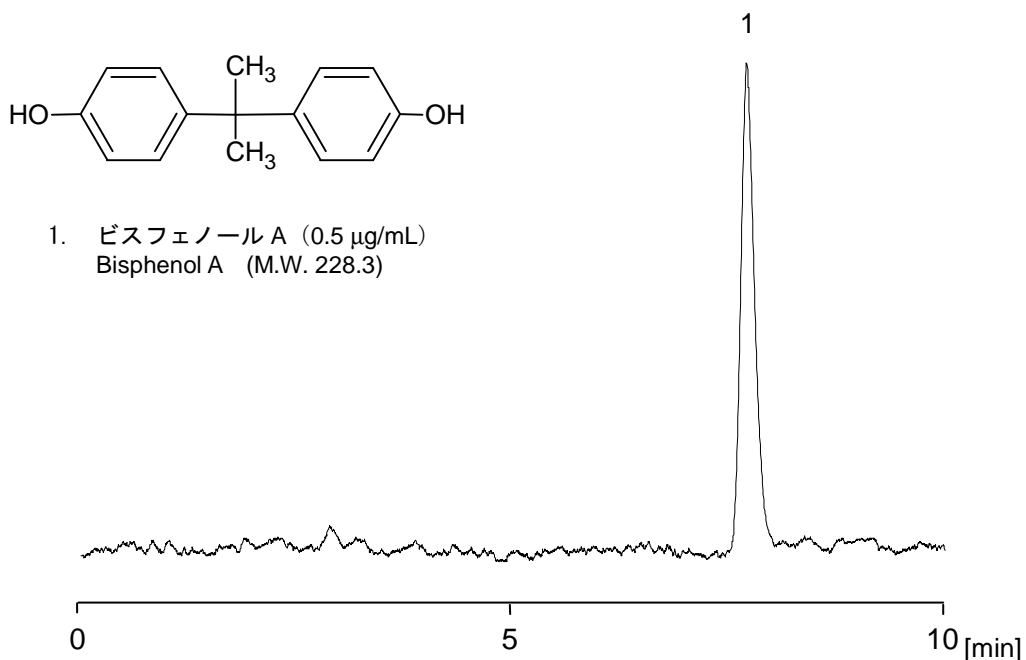


ビスフェノール A は水には溶けにくいものの、微量でも内分泌かく乱作用が疑われるため、環境水中の定量分析が広く行われています。CAPCELL CORE C₁₈ (2.1 mm i.d. x 150 mm) を用い、蛍光検出器により測定した例を示します。流速は通常流速の 2 倍としました (圧力：装置とカラムの分を含め最大 30.7 MPa)。

While its solubility in water is low, even a trace amount of bisphenol A in environmental water can cause endocrine disruption, and therefore, its concentration in water is often measured. Show here is a chromatogram obtained with CAPCELL CORE C₁₈ (2.1 mm i.d. x 150 mm), and a fluorescence detector. The flow rate of 400 μ L/min corresponds to twice a common rate (pressure:30.7 MPa, including the column and the instruments).

**【HPLC Conditions】**

Column	: CAPCELL CORE C ₁₈ S2.7 ; 2.1 mm i.d. x 150 mm
Mobile phase	: H ₂ O / CH ₃ CN = 70 / 30
Flow rate	: 400 μ L / min
Temperature	: 40 °C
Detection	: FL Ex. 275 nm, Em. 310 nm
Inj. vol.	: 3 μ L
Sample dissolved in	: Standard compound was dissolved in CH ₃ CN at 1000 μ g /mL. 50 μ L portion of the solution was diluted to 100 mL with the mobile phase.
	※ 1 μ g/mL = 1 ppm