

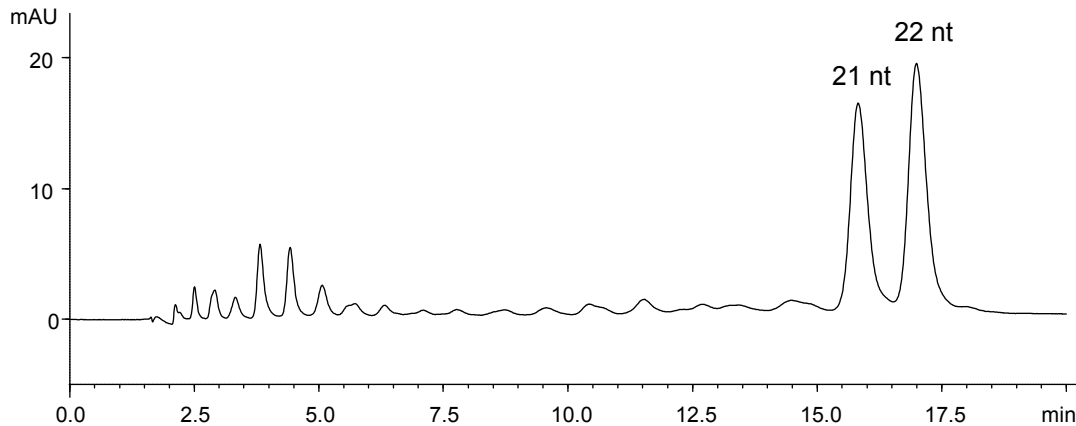
オリゴヌクレオチド(miRNA)の LC/MS 分析
LC/MS analysis of oligonucleotides (miRNA)

F120202A

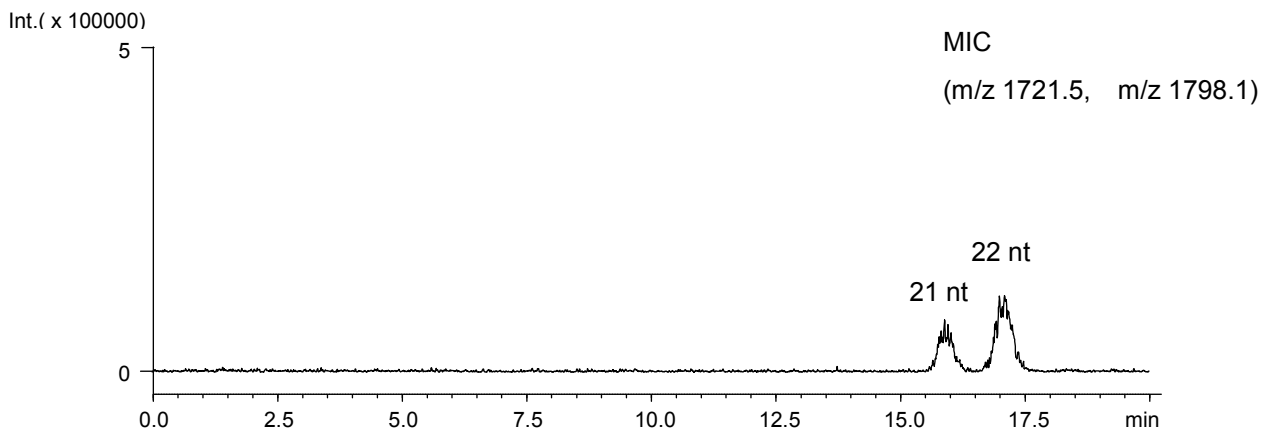
5'-pUGG AGU GUG ACA AUG GUG UUG-3' (21 nt, MW 6890.1)

5'-pUGG AGU GUG ACA AUG GUG UUG U-3' (22 nt, MW 7196.3)

(A) UV



(B) MS



Courtesy of M.Yamada, SHIMADZU CORPORATION

Column	: YMC-Triart C18 (3 μm, 12 nm) 150 X 2.0 mmI.D.
Eluent	: A) 10 mM di-n-butylamine-acetic acid (pH 7.5) B) 10 mM di-n-butylamine-acetic acid (pH 7.5)/acetonitrile (50/50) 62-72%B (0-20 min)
Flow rate	: 0.2 mL/min
Temperature	: 30°C
Detection	: (A) UV at 260 nm (B) ESI-negative mode
Injection	: 4 μL (5 nmol/mL)
Instrument	: LC) Shimadzu Prominence MS) Shimadzu LCMS2020