

Cadenza CD-C18

250 x 3 mm

Application

## LC-MS: Method for simultaneous analysis of functional ingredients in rice bran oil

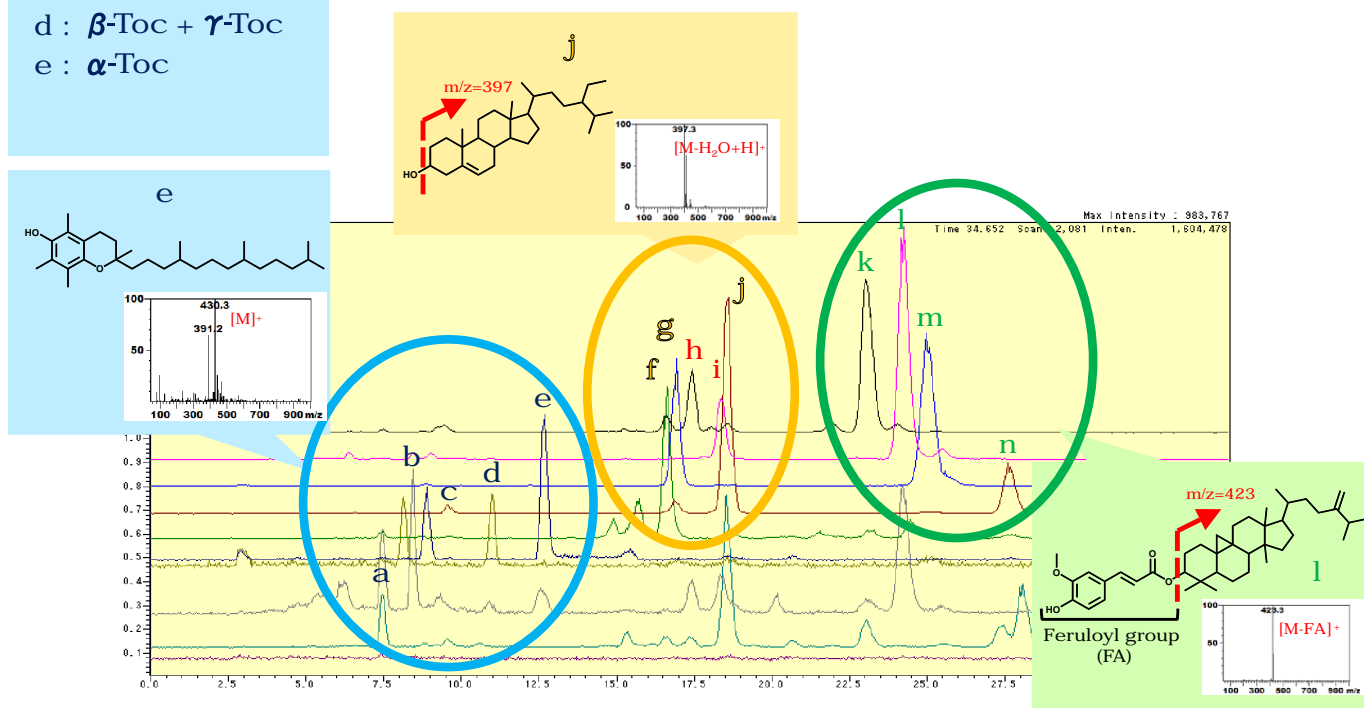
米糠油に含まれる機能性成分の網羅的分析

Tocopherol (Toc)  
+  
Tocotrienol (T3)

- a :  $\beta$ -T3 +  $\gamma$ -T3
- b :  $\alpha$ -T3
- c :  $\delta$ -Toc
- d :  $\beta$ -Toc +  $\gamma$ -Toc
- e :  $\alpha$ -Toc

Phytosterol + Triterpene alcohol

- f : Stigmasterol
- g : Campesterol
- h : Cycloartenol
- i : 24-Methylenecycloartanol
- j :  $\beta$ -Sitosterol



**Cadenza CD-C18, 250 x 3 mm**  
**methanol / acetic acid = 99 / 1**  
**0.45 mL/min, 40°C**  
**[MS] APCI (+)**

$\gamma$ -oryzanol

- k : Cycloartenyl ferulate
- l : 24-Methylenecycloartanyl ferulate
- m : Campesteryl ferulate
- n :  $\beta$ -Sitosteryl ferulate

Courtesy of TSUNO FOOD INDUSTRIAL CO., LTD. (JAPAN)