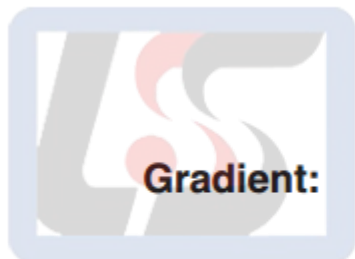


Sucrose analysis by LC-MS

Instrument: [Applied Bio system 3200 Q trap LC/MS](#)

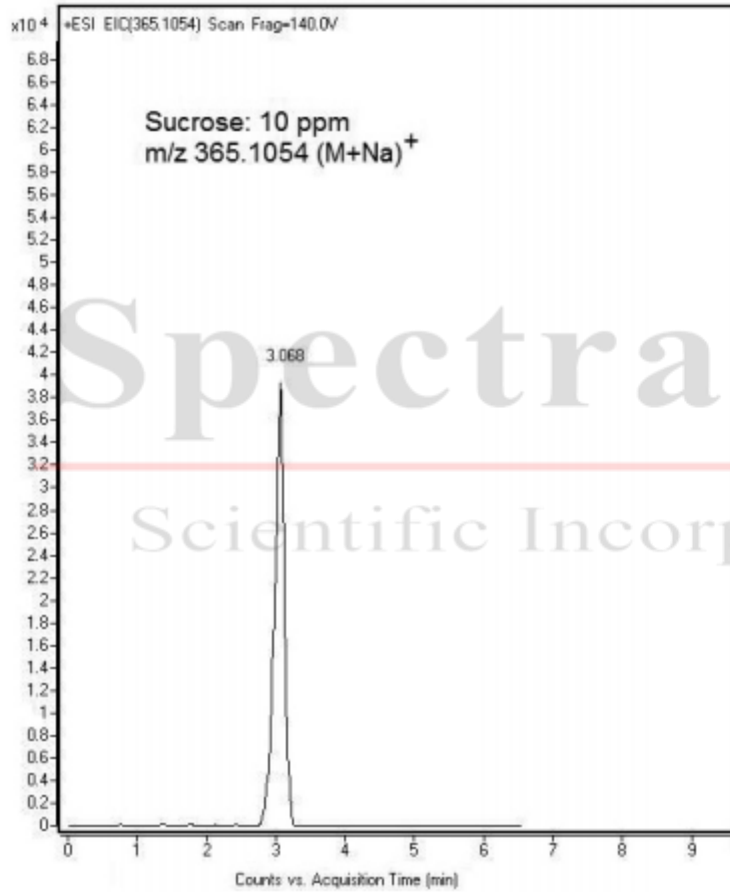
Column: Cogent Diamond Hydride™ 4µm, 100Å.
Catalog No.: 70000-15P-2
Dimensions: 2.1mm x 150mm
Solvents: A: 80% DI water/20% methanol/0.1% formic acid/ 100 microM sodium acetate
B: 100% acetonitrile+0.2% acetic acid
*ATTENTION: Na concentration is in microM.
Higher concentration is harmful for MS.*



Gradient:

Time (min)	%B	Flow Rate(mL/min)
0.00	100	0.600
1.00	100	0.600
4.00	50	0.600
7.00	50	0.600
8.00	100	0.600

Post Tme: Total gradient time 10 minutes. Post time 5 min
Flow Rate: 0.4 mL/min.
Samples: Sucrose 10 ppm, m/z 365.1054 (M+Na)⁺
Detection: ESI – pos - Agilent 6210 MSD TOF mass spectrometer.



Reference: http://webcache.googleusercontent.com/search?q=cache:M06sC4x6z0gJ:cogent-hplc.com/hplc/app_sucrose.asp+&cd=1&hl=en&ct=clnk&gl=ca