

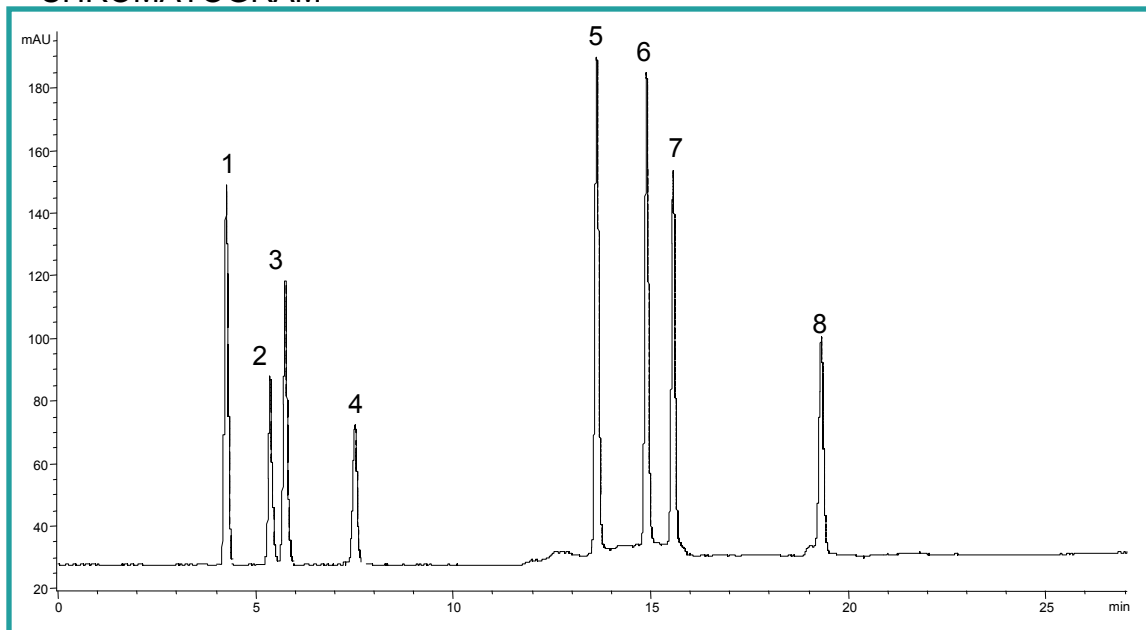
DETECT ANALYTES THAT DO NOT CONTAIN A CHROMOPHORE WITHOUT DERIVATIZATION

Application note # QAN-0036

PARAMETERS

NQAD		
GAS: Air		
FILTER: 5		
GAIN: 10x		
EVAPORATION TEMP: 35°C		
HPLC		
MOBILE PHASE:		
Time	5 mM HFBA, pH 1.0 adjusted with 0.1% TFA in Water	ACN
0	100	0
6	100	0
8	85	15
25	35	65
FLOW RATE: 1.2 mL/min		
COLUMN: Alltima C18, 5u, 250 x 4.6 mm		
COLUMN TEMP: Ambient		
INJECTION VOLUME :10 µL		

CHROMATOGRAM



1 = Gly, 2 = Ala, 3 = Cys, 4 = Pro, 5 = Val, 6 = Tyr, 7 = Leu, 8 = Trp

One of the greatest benefits of NQAD technology is the ability to detect analytes that do not contain a chromophore without the need for cumbersome derivatization methods. The above chromatogram describes the ability to detect amino acids, which do not contain a chromophore.



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