

Application note # QAN-0038

PARAMETERS

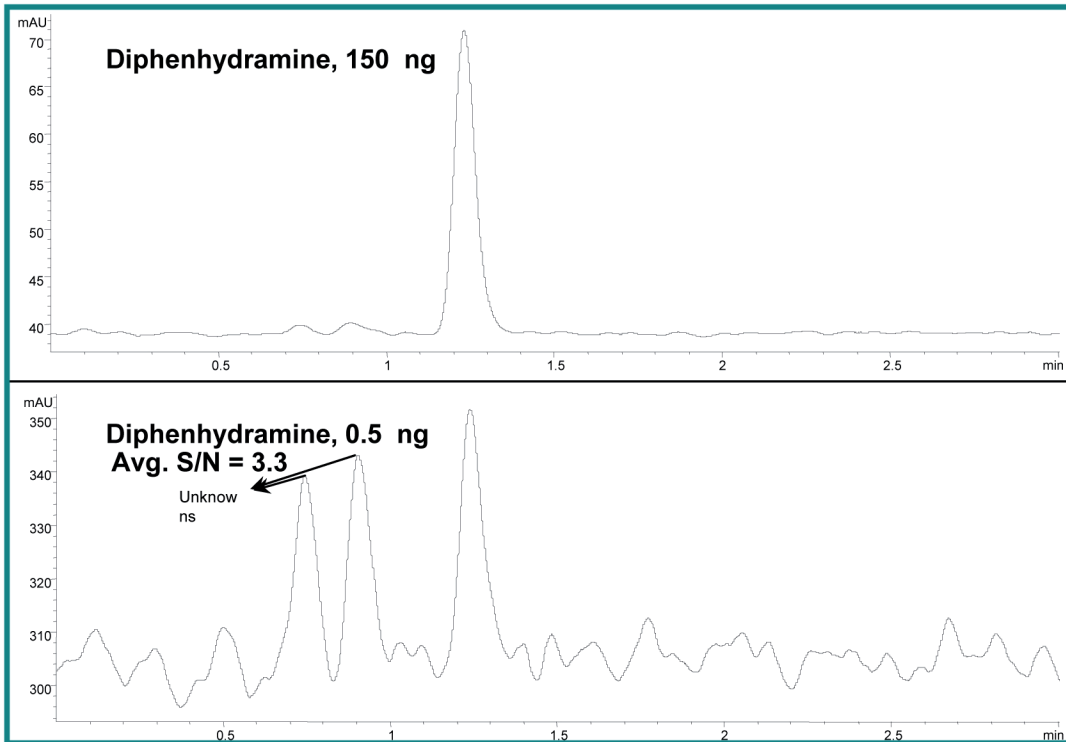
NQAD

GAS: Air
 FILTER: 5 sec
 GAIN: 50x
 EVAPORATION TEMP: 35C

HPLC

MOBILE PHASE: 50:50 0.2% TFA in water: 0.2% TFA in ACN
 FLOW RATE: 1.2 mL/min
 COLUMN: Alltech Alltima HP C18, 3 u, 33 x 7.0 mm
 COLUMN TEMP: Ambient
 INJECTION VOLUME :10 uL
 ANALYTE: Diphenhydramine

CHROMATOGRAMS



NQAD technology is highly sensitive. Subnanogram sensitivity is possible. While it is important to have a clean HPLC system, clean solvents, and columns with low bleed to detect in subnanogram ranges, it can be done routinely. Detecting with subnanogram sensitivity allows the chromatographer to detect more sample components in a single run, without overloading the column.



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