

Application note # QAN-0031

PARAMETERS

NQAD

GAS: Air
 FILTER: 5 sec
 GAIN: 1x
 EVAPORATION TEMP: OFF

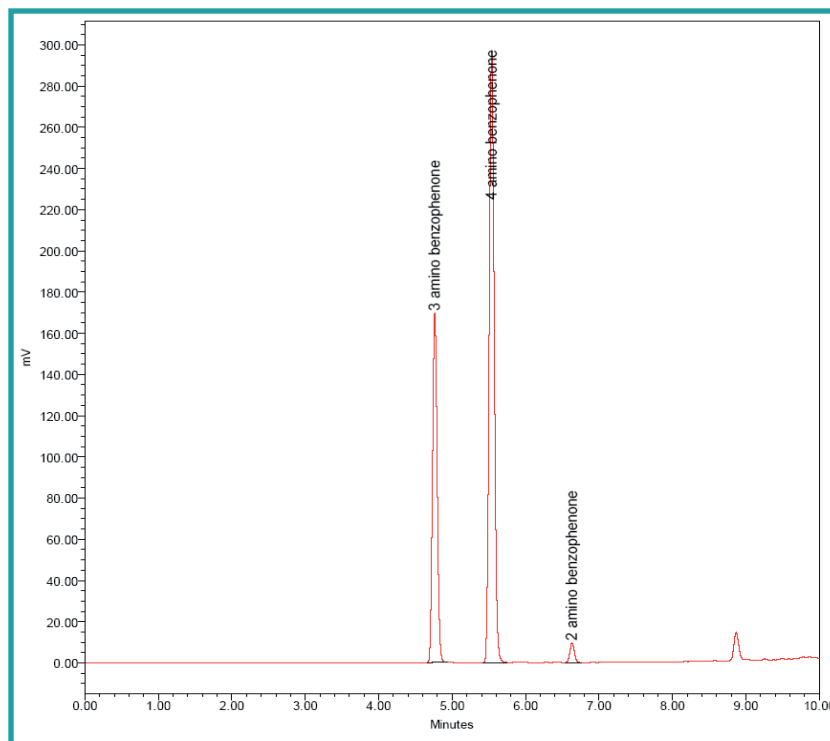
HPLC

MOBILE PHASE:

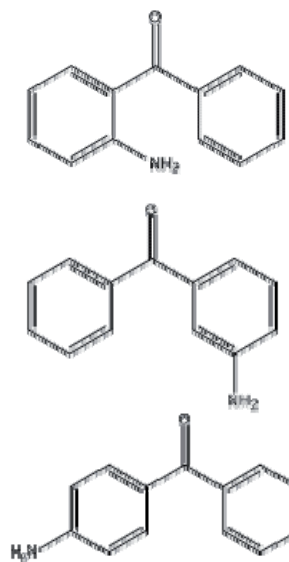
Time (min)	0.5% TFA in water	0.5% TFA in ACN
0.0	95	5
7.0	5	95
10.0	5	95
10.5	95	5
20.0	95	5
21.0	95	5

FLOW RATE: 0.6 mL/min
 COLUMN: commercially available C18, 150 x 4.6
 COLUMN TEMP: 35°C
 INJECTION VOLUME :3 µL
 ANALYTE: Aminobenzophenones

CHROMATOGRAMS



STRUCTURES



FW = 197.23

Analytes can range in volatility depending on their molecular structure. An example of this is aminobenzophenones who differ in volatility based on constituent position. The above chromatogram demonstrates the ability of the NQAD to be able to detect all aminobenzophenones, including the very volatile 2-amino benzophenone. Using the user programmed evaporator temperature can be used to optimize semi volatile detection



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