

Chemical Information:

Name: N-Phenyl-1-naphthylamine
CAS No.: 90-30-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202073 Lot No.: 04116EO
NTP_CID No.: 1081 MW: 219.28 g/mol

Date of Analysis: 10 October 2007

Purity and Identity Results:

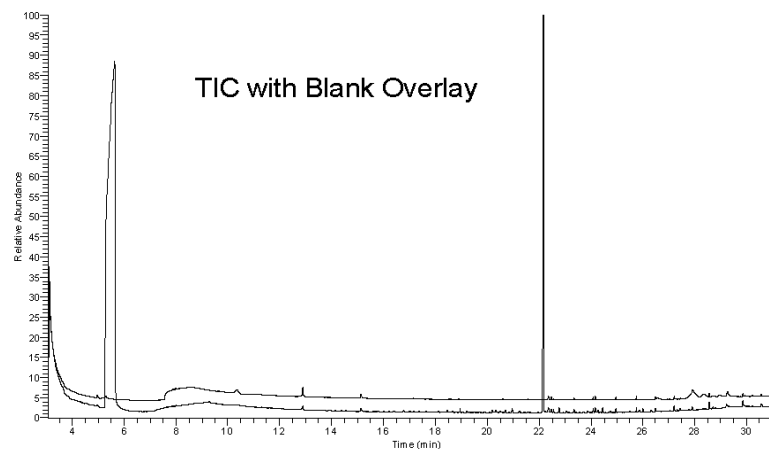
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.64	Not applicable
Unknown	18.96	0.60
N-Phenyl-1-naphthylamine	22.15	95.72
Unknown	22.77	0.77

^a Peaks comprising $\geq 0.5\%$ of total area.

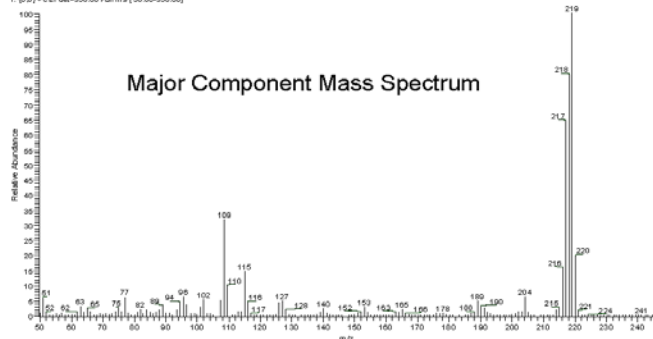
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05-31.48 SM: 3G



0710921 #2295 RT: 22.13 Rev: 1 SM: 2 22.10, 22.20 NL: 314E5
T: (D.J) + c:61 det=350.00 Full.ms=150.00-350.00



NIST Reference Mass Spectrum

