

### Chemical Information:

Name: 10,11-Dihydro-5H-dibenz[b,f]azepine  
CAS No.: 494-19-9 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_202836 Lot No.: 02521DCV  
NTP\_CID No.: 6202 MW: 195.26 g/mol

Date of Analysis: 16 December 2016

### Purity and Identity Results:

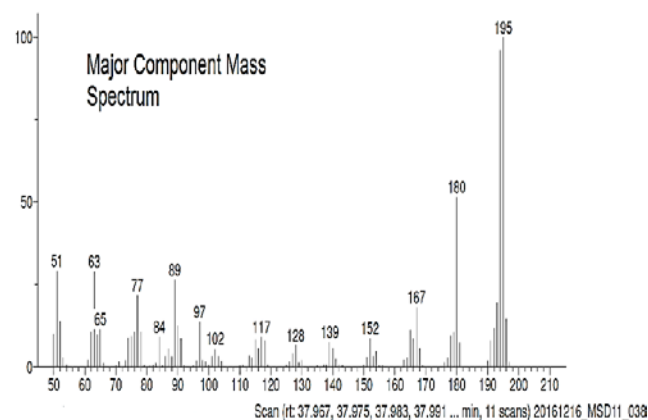
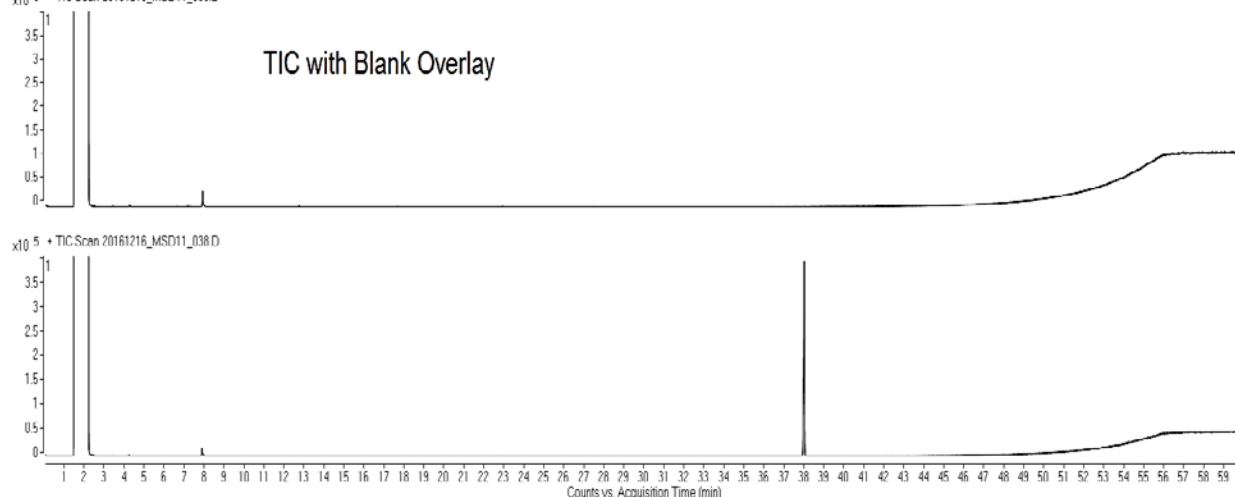
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
10,11-Dihydro-5H-dibenz[b,f]azepine	38.02	100.00

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	50 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2f Build 2014

x10<sup>5</sup> • TIC Scan 20161216\_MSD11\_003.D



Hit 1: 5H-Dibenz[b,f]azepine, 10,11-dihydro-C14H13N, MF: 920, RMF: 927, Prob 51.8%, CAS: 494-19-9, Lib: reptlib; ID: 23976.

