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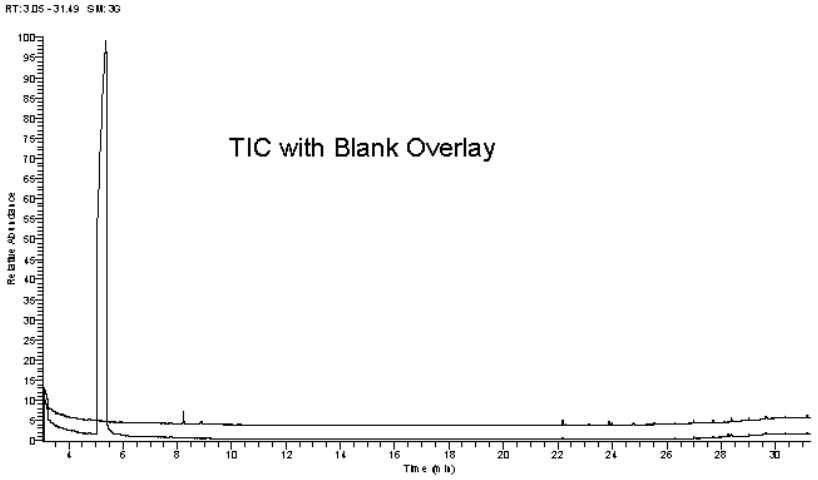
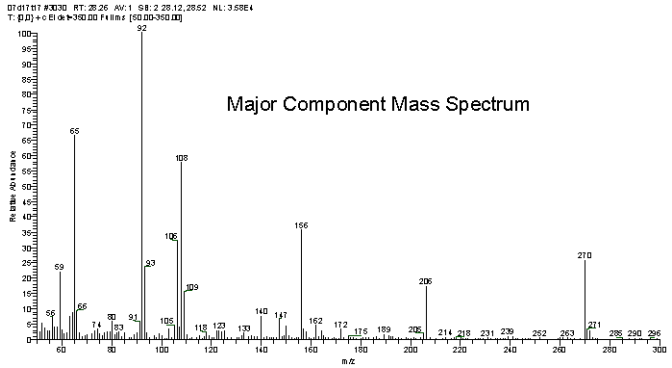
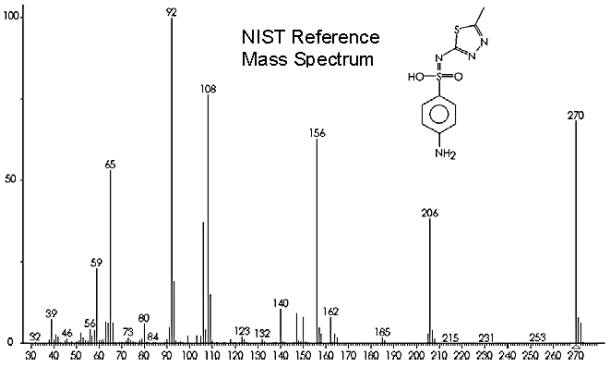
Chemical Information:

Name:	Sulfamethizole		Date of Analysis: 17 April 2007
CAS No.:	144-82-1	Supplier:	Sigma-Aldrich
Tox21_ID No.:	Tox21_201035	Lot No.:	065K1284
NTP_CID No.:	1303	MW:	270.33 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area)[a]
DMSO	5.38	Not applicable
Sulfamethizole	28.26	100.00

[a] Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / 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-µm 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 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 µL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999