

Chemical Information:

Name: Rotenone
CAS No.: 83-79-4
Tox21_ID No.: Tox21_201904
NTP_CID No.: 2051

Date of Analysis: 29 July 2009

Supplier: Sigma-Aldrich
Lot No.: 018K1160
MW: 394.42 g/mol

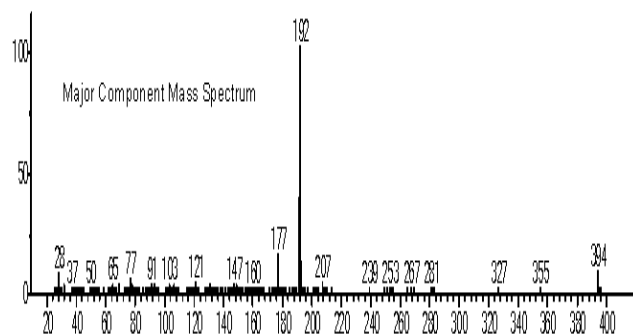
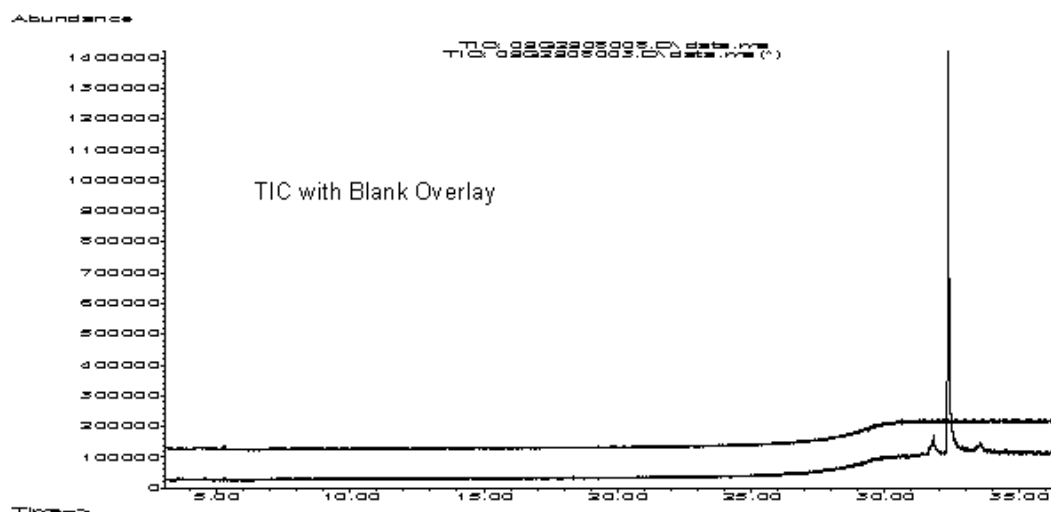
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	31.83	4.13
Rotenone	32.37	95.87

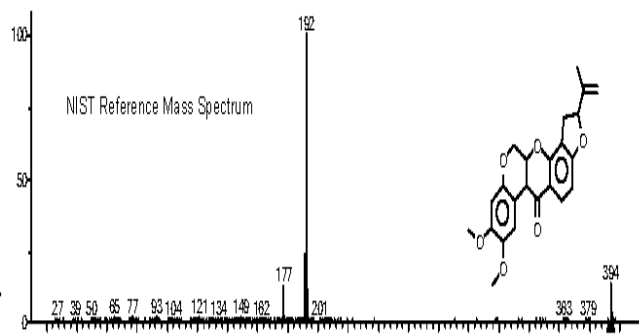
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Chloroform (~ 1 mg/mL)
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 7 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	MSD ChemStation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/08/2008



(History) Scan 5376 (32.373 min): 096290808.D\data.ms



MW: 394 CAS# 83-79-4 (replib) Rotenone