

Chemical Information:

Name: 1,8-Dinitronaphthalene
 CAS No.: 602-38-0
 Tox21_ID No.: Tox21_202886
 NTP_CID No.: 6358
 Supplier: TCI America
 Lot No.: OGK01
 MW: 218.17 g/mol

Date of Analysis: 16 December 2016

Purity and Identity Results: Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
1,5-Dinitronaphthalene	38.05	10.89
1,8-Dinitronaphthalene	42.44	89.11

^a Peaks comprising ≥ 0.5% of total area.

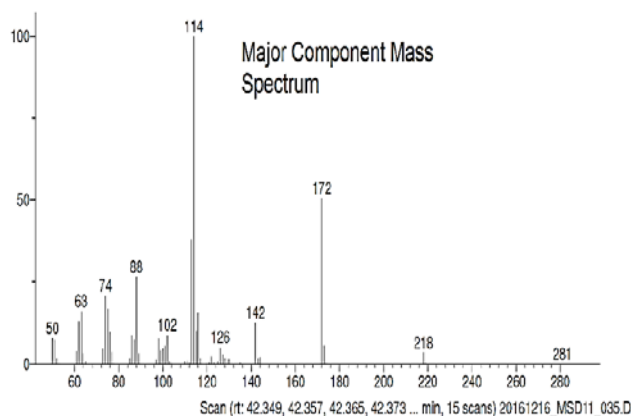
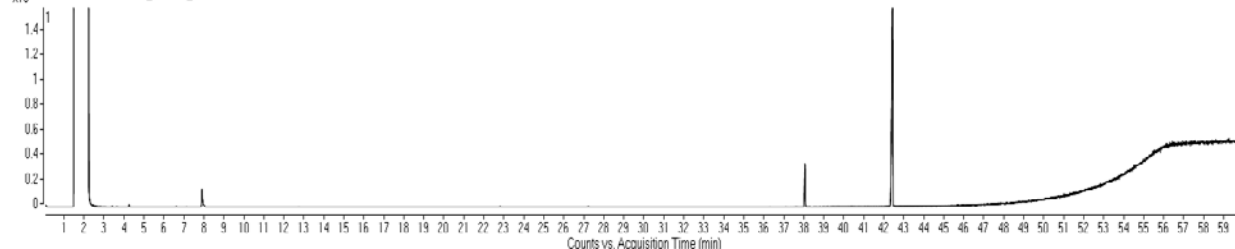
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1-μm 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 μL / 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

x10⁵ • TIC Scan 20161216_MSD11_003.D



x10⁵ • TIC Scan 20161216_MSD11_035.D



Hit 1: Naphthalene, 1,8-dinitro-
 C10H6N2O4; MF: 860; RMF: 860; Prob 96.6%; CAS: 602-38-0; Lib: replib; ID: 15451.

