

Chemical Information:

Name: 17 alpha-Estradiol

Date of Analysis: 14 June 2016

CAS No.: 57-91-0

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201262

Lot No.: 038K4096

NTP_CID No.: 5060

MW: 272.38 g/mol

Purity and Identity Results:

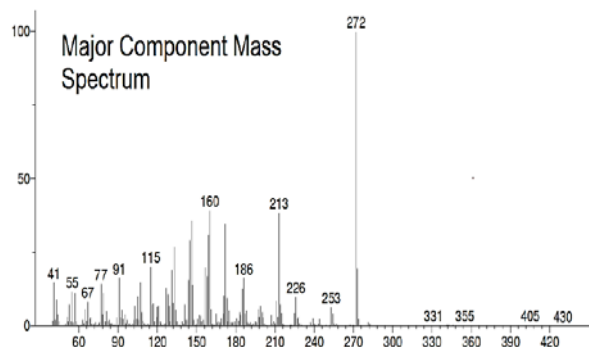
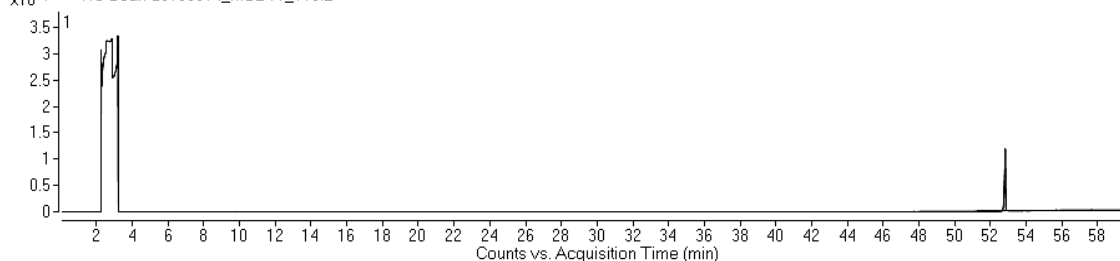
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
17 alpha-Estradiol	52.82	100.00

^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 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

x10⁷ + TIC Scan 20160614_MSD11_102.D

x10⁷ + TIC Scan 20160614_MSD11_113.D


(Text File) .alpha-Estradiol: + Scan (rt: 52.726, 52.732, 52.738, 52.744 ... min, 22 scans) 20160614_MSD11_113.D Subtract

Hit 1 : α-Estradiol
C₁₈H₂₄O₂; MF: 921; RMF: 934; Prob 51.6%; CAS: 57-91-0; Lib: mainlib; ID: 171859.
