

Chemical Information:

Name: 9,10-Dihydrobenzo[a]pyren-7(8H)-one
CAS No.: 3331-46-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202913 Lot No.: 03802JZ
NTP_CID No.: 6526 MW: 270.32 g/mol

Date of Analysis: 14 December 2016

Purity and Identity Results:

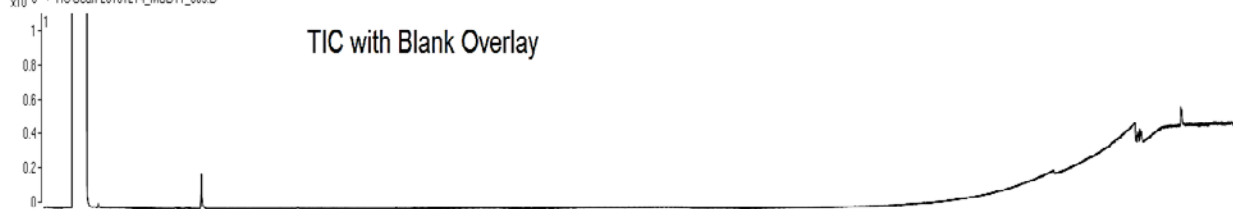
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
9,10-Dihydrobenzo[a]pyren-7(8H)-one	56.61	99.45

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

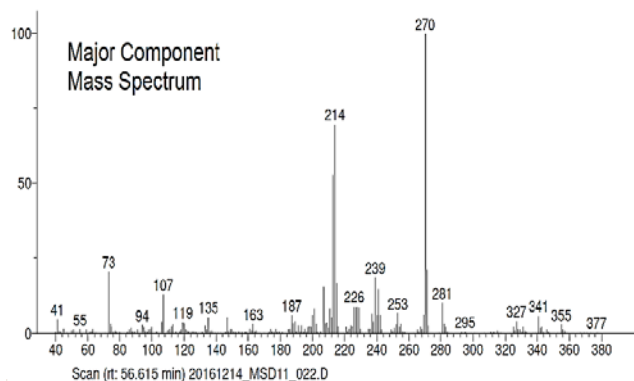
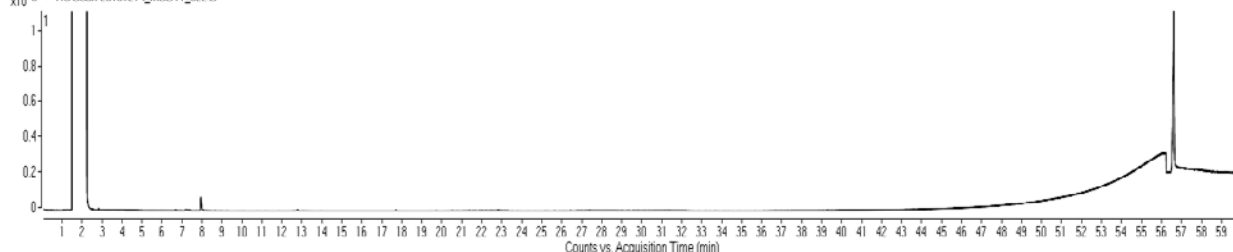
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ 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	40 – 380 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ 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

x10⁶ • TIC Scan 20161214_MSD11_003.D



x10⁶ • TIC Scan 20161214_MSD11_022.D



Hit 1: Benzo[a]pyren-7(8H)-one, 9,10-dihydro-
C20H14O; MF: 673; RMF: 814; Prob 45.5%; CAS: 3331-46-2; Lib: mainlib; ID: 171309.

