

Chemical Information:

Name: 3-Acetylphenanthrene
CAS No.: 2039-76-1
Tox21_ID No.: Tox21_202956
NTP_CID No.: 6581

Date of Analysis: 14 December 2016

Supplier: Sigma-Aldrich
Lot No.: S36476
MW: 220.27 g/mol

Purity and Identity Results:

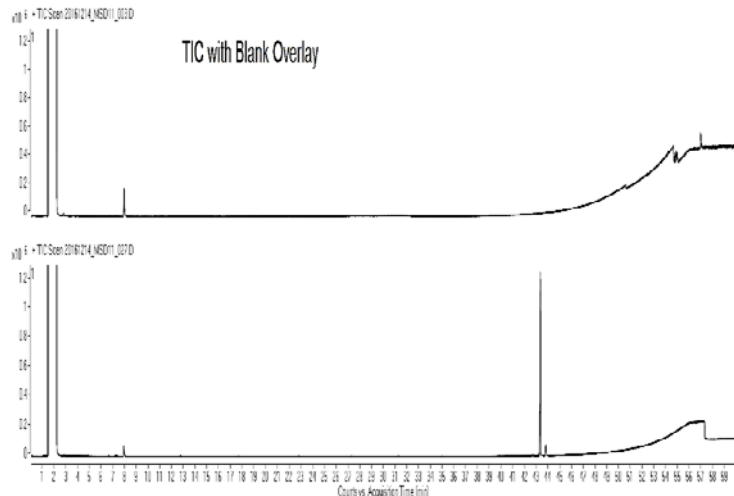
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	42.69	0.56
3-Acetylphenanthrene	43.35	93.76
3-Acetylphenanthrene	43.82	5.07

^a Peaks comprising $\geq 0.5\%$ of total area. Total of components identified as test article = 98.83%.

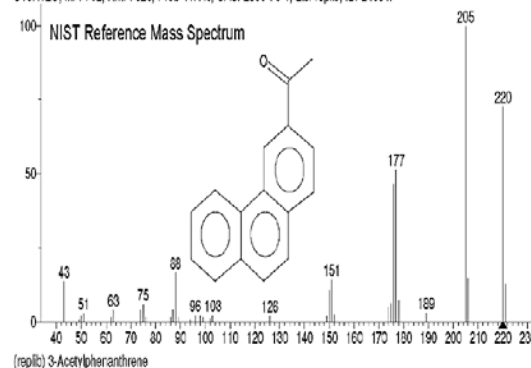
GC/MS Instrument Parameters:

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

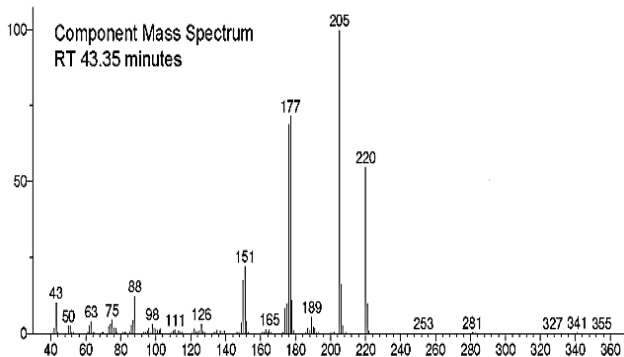
TIC with Blank Overlay



C18H12O, MF: 762, RMF: 928, Prob: 41.1%, CAS: 2039-78-1, Lib: replib, ID: 24801.

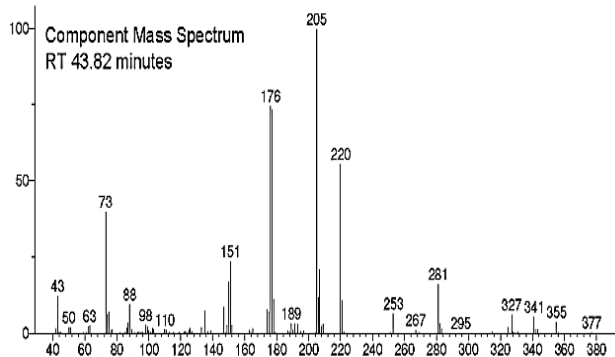


Component Mass Spectrum
RT 43.35 minutes



(Text File) 3-Acetylphenanthrene: + Scan (rt: 43.240-43.417 min, 45 scans) 20161214_MSD11_027.D

Component Mass Spectrum
RT 43.82 minutes



(Text File) 3-Acetylphenanthrene: + Scan (rt: 43.754-43.947 min, 49 scans) 20161214_MSD11_027.D