

Chemical Information:

Name: 2-Fluorobiphenyl

Date of Analysis: 14 December 2016

CAS No.: 321-60-8

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_202912

Lot No.: MKBG0557V

NTP_CID No.: 6525

MW: 172.20 g/mol

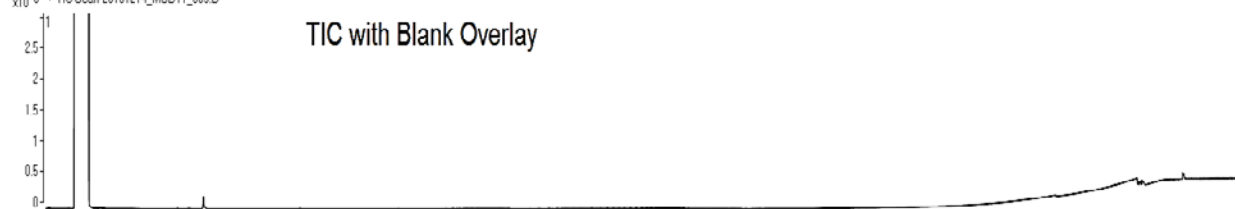
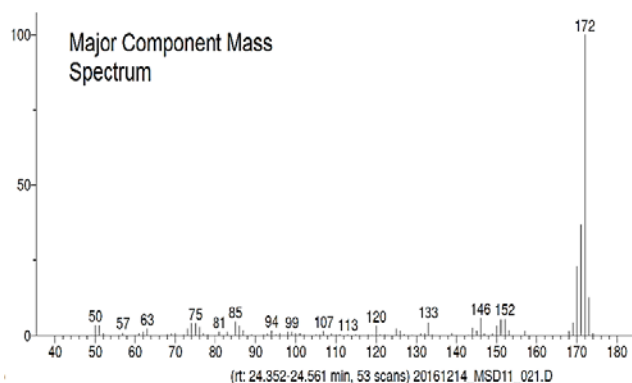
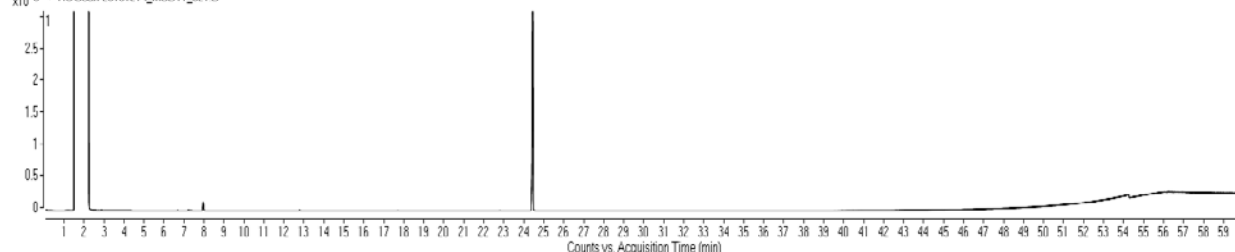
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2-Fluorobiphenyl	24.44	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 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 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

x10⁶ • TIC Scan 20161214_MSD11_003.D

x10⁶ • TIC Scan 20161214_MSD11_021.D

Hit 1: 1,1'-Biphenyl, 2-fluoro-
C₁₂H₉F; MF: 947; RMF: 947; Prob: 76.7%; CAS: 321-60-8; Lib: replib; ID: 22289.
