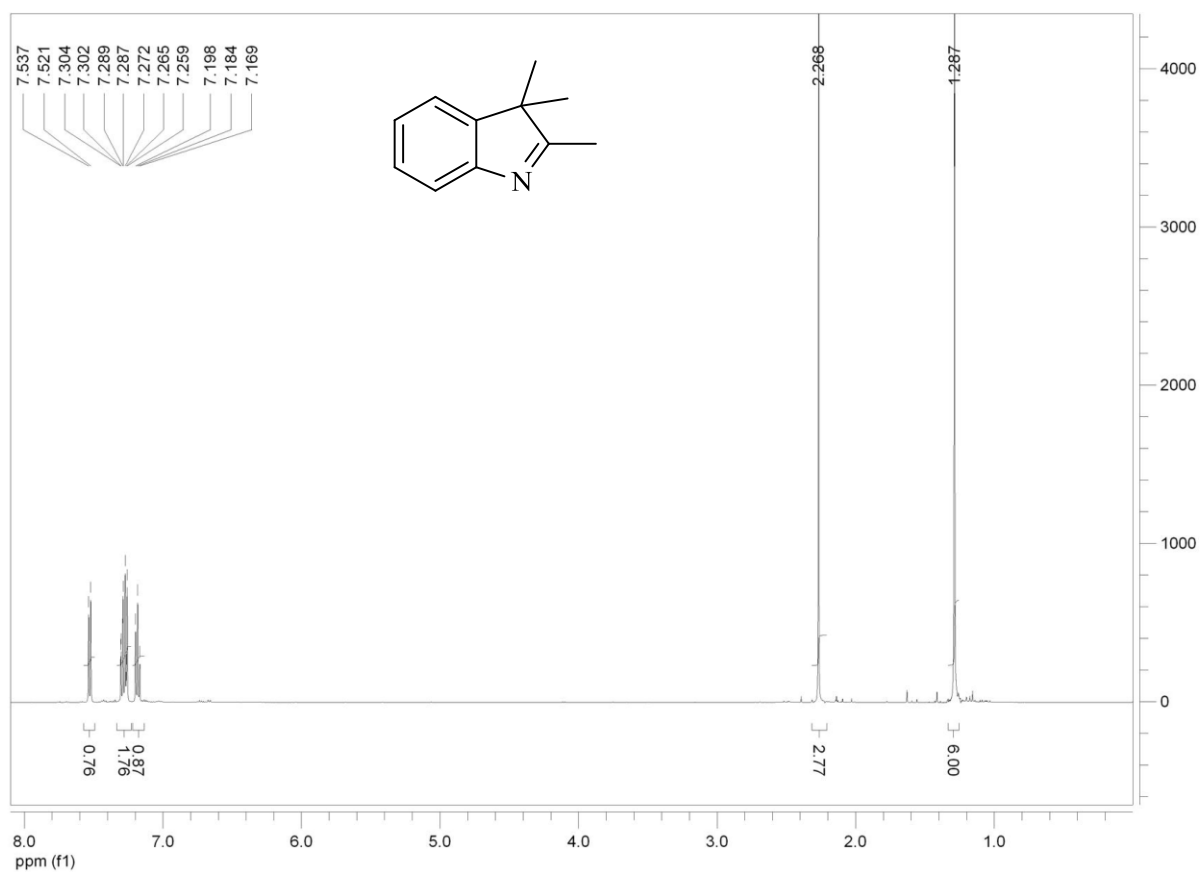


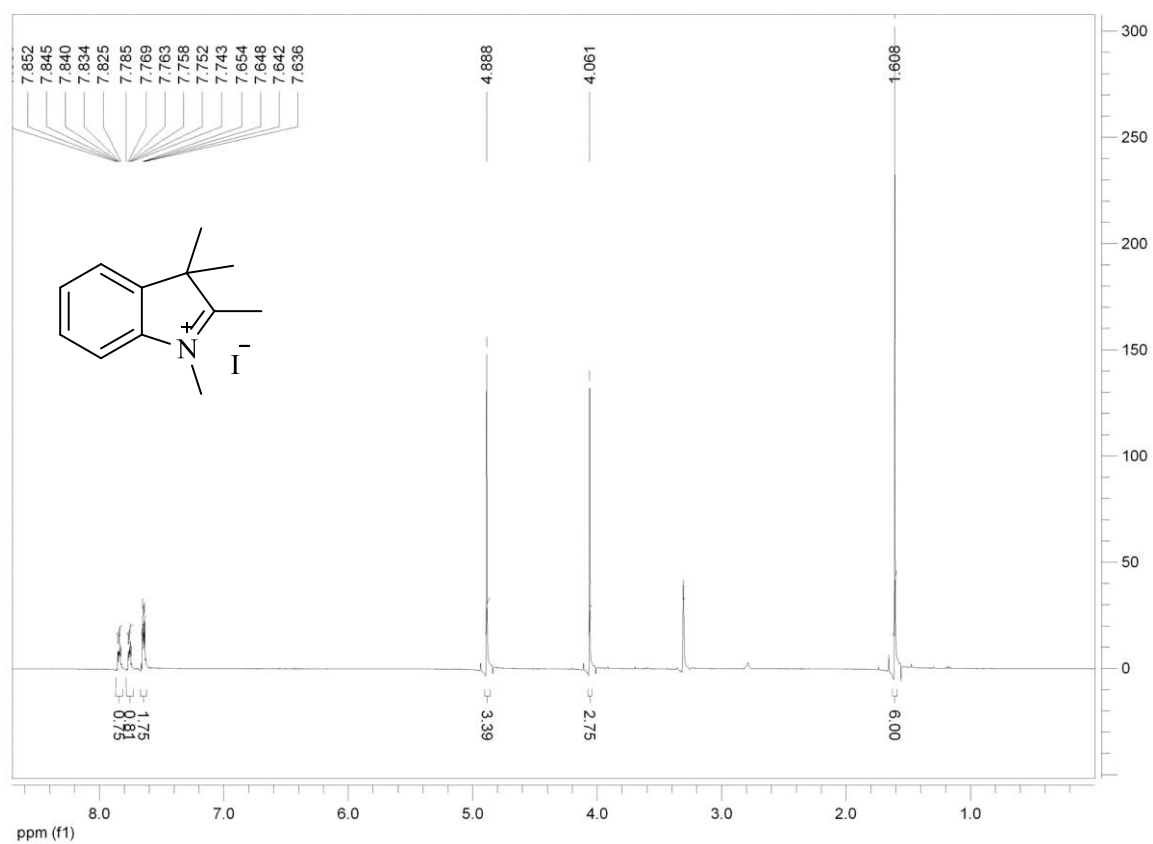
Electronic Supplementary Data

Copy of ^1H NMR, ^{13}C NMR, HRMS and IR spectra for products:

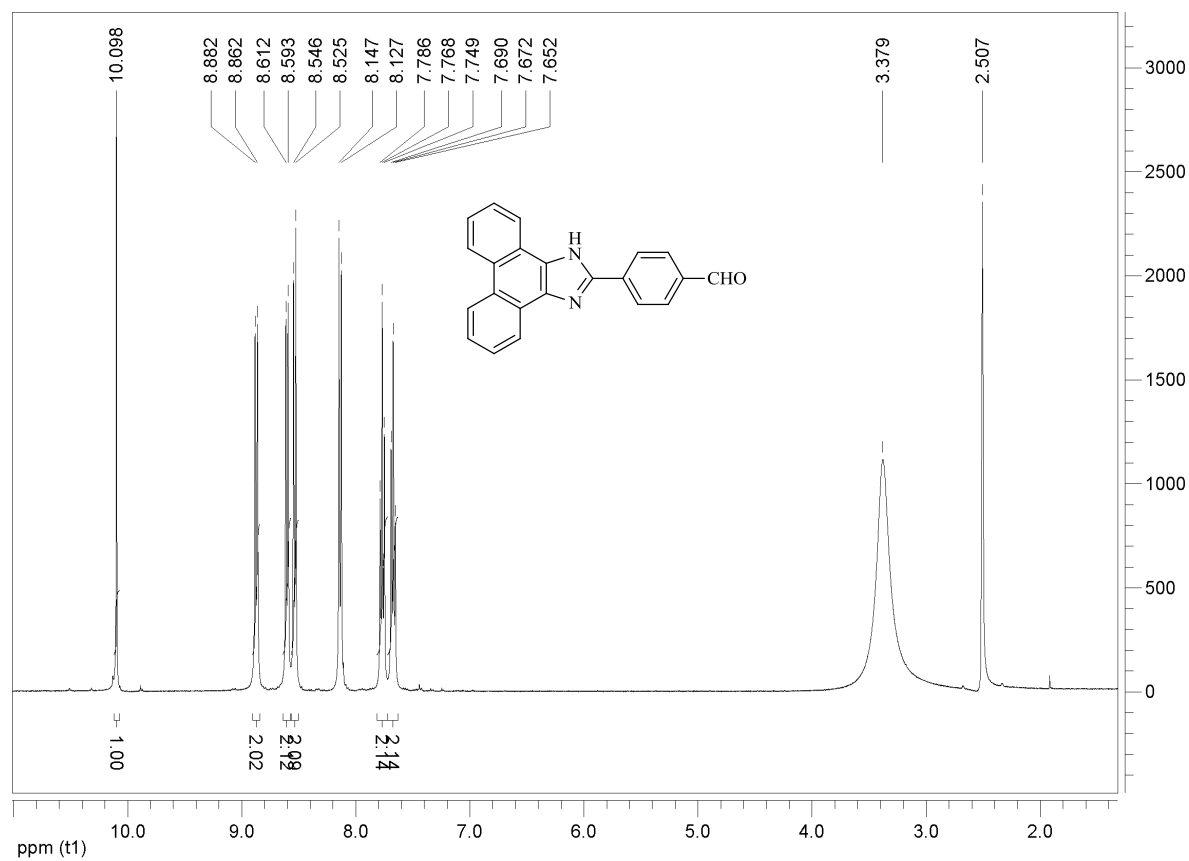
2, 3, 3-trimethyl-3H-indol (1)

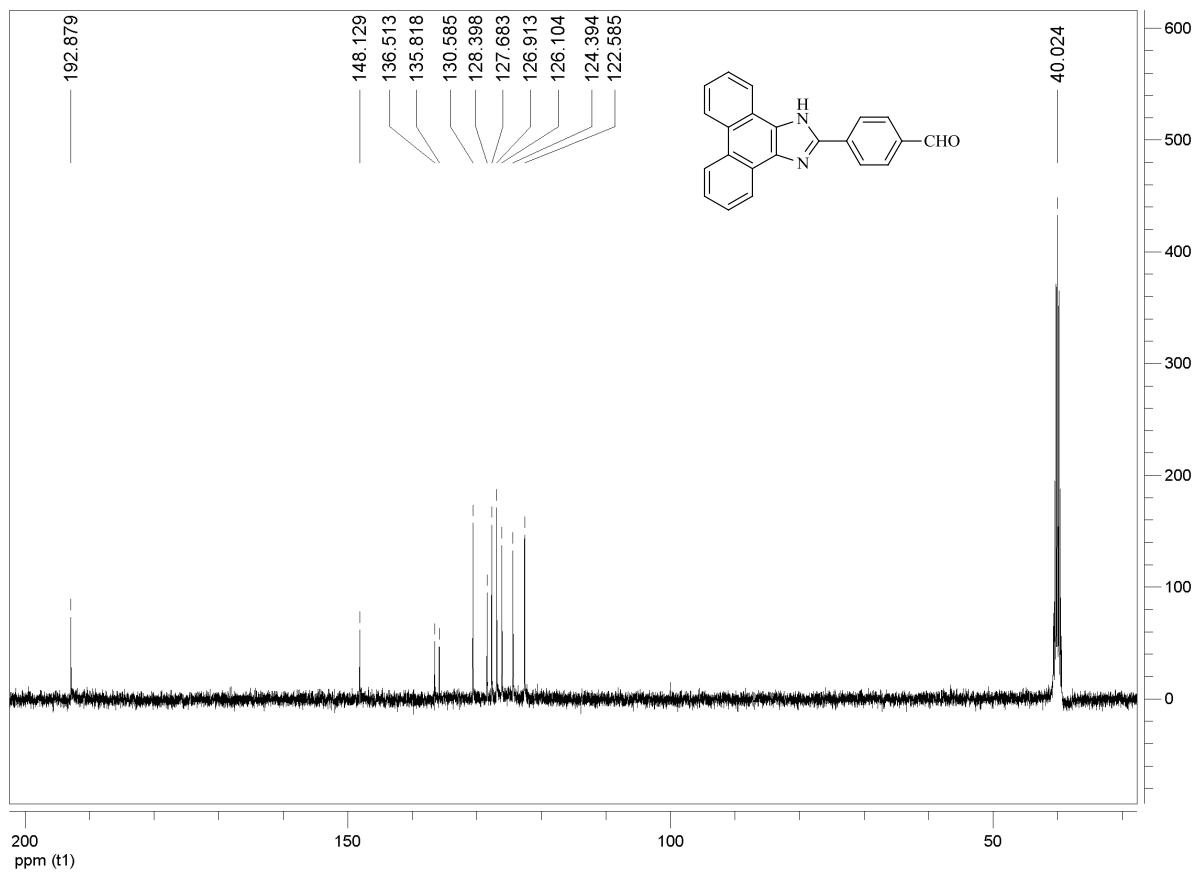


1, 2, 3, 3-tetramethyl-3H-indolium iodide (2)



2-(4-formylphenyl)phenanthroimidazole (3)





Display Report

Analysis Info

Analysis Name

Method tune_low.m

Sample Name IFR-4

Comment

Acquisition Date 23/8/2011 11:01:36

Operator TJU

Instrument micrOTOF-Q II 10204

Acquisition Parameter

Source Type

ESI

Ion Polarity

Positive

Set Nebulizer

0.8 Bar

Focus

Not active

Set Capillary

4500 V

Set Dry Heater

180 °C

Scan Begin

50 m/z

Set End Plate Offset

-500 V

Set Dry Gas

6.0 l/min

Scan End

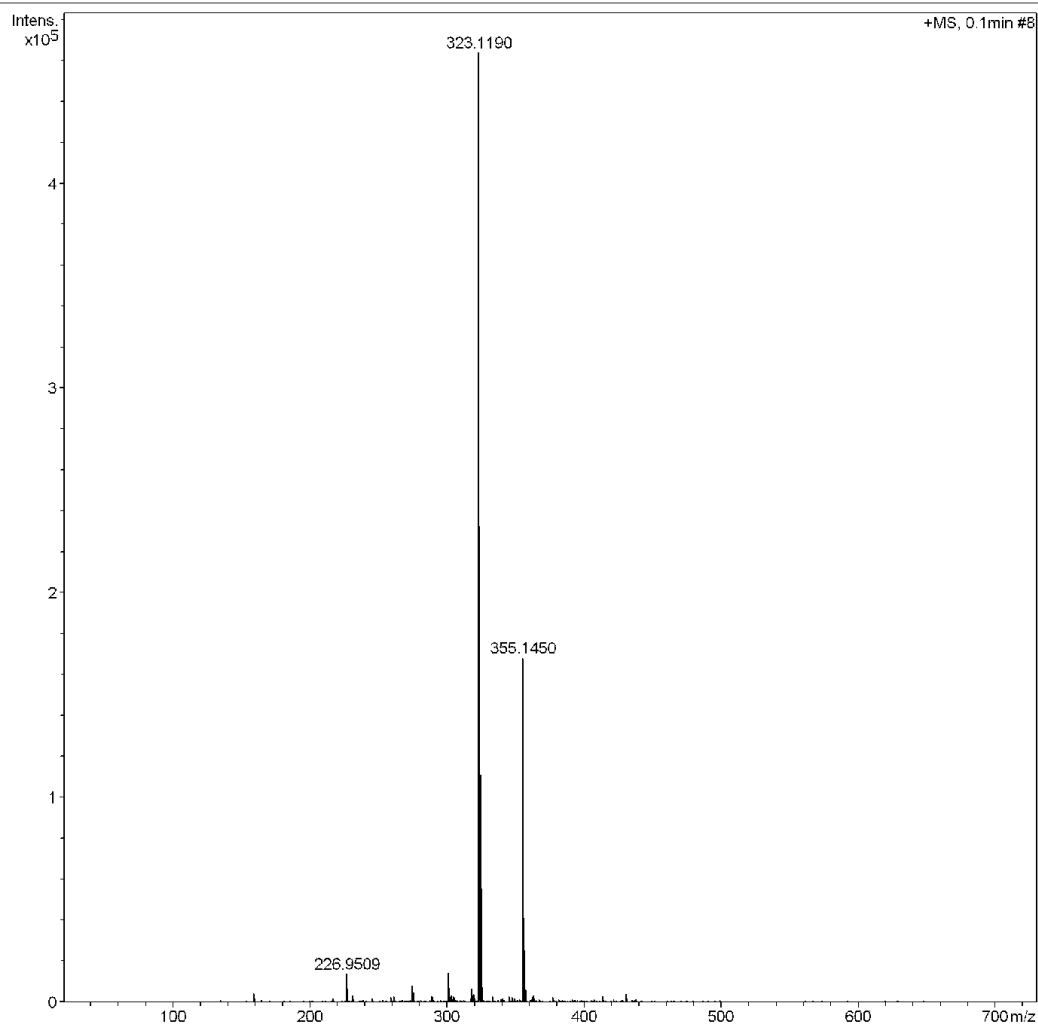
1000 m/z

Set Collision Cell RF

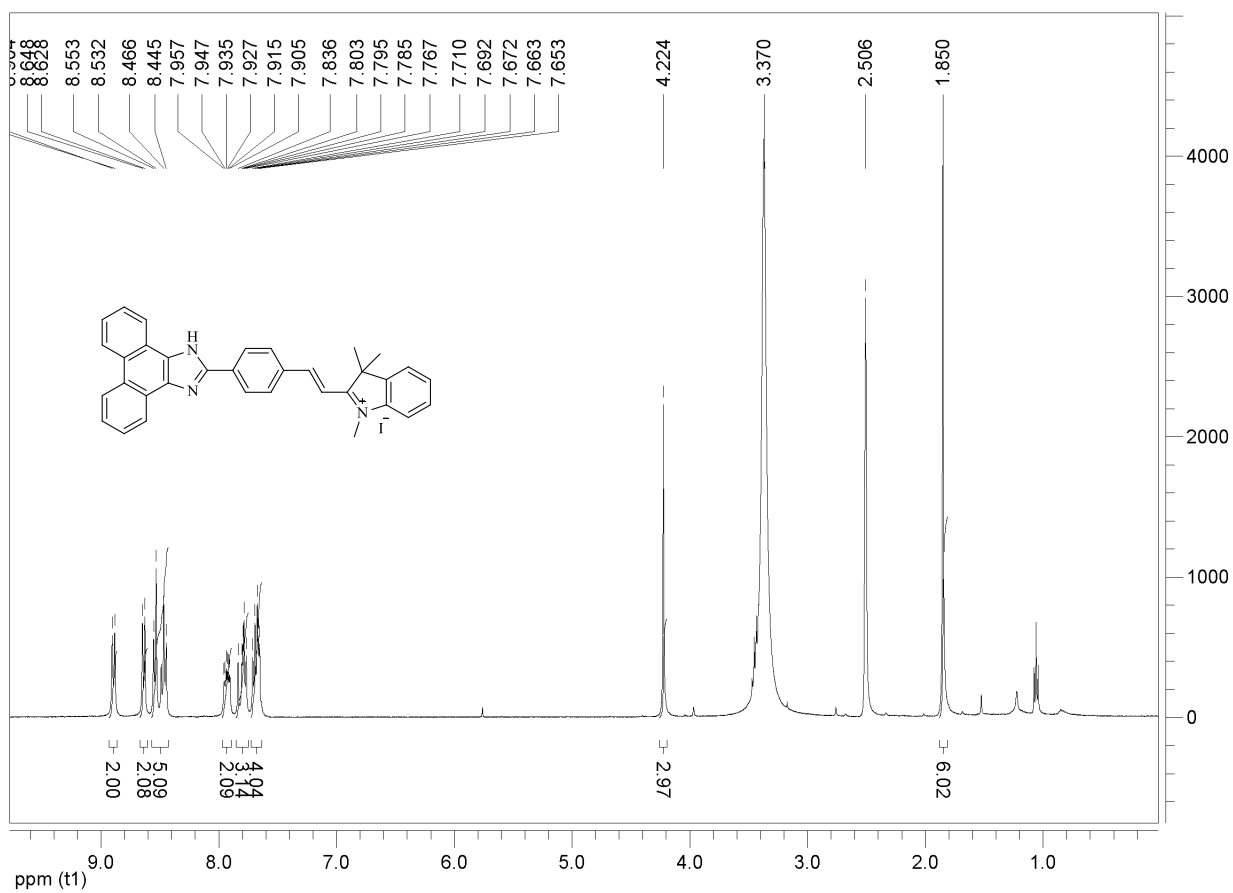
150.0 Vpp

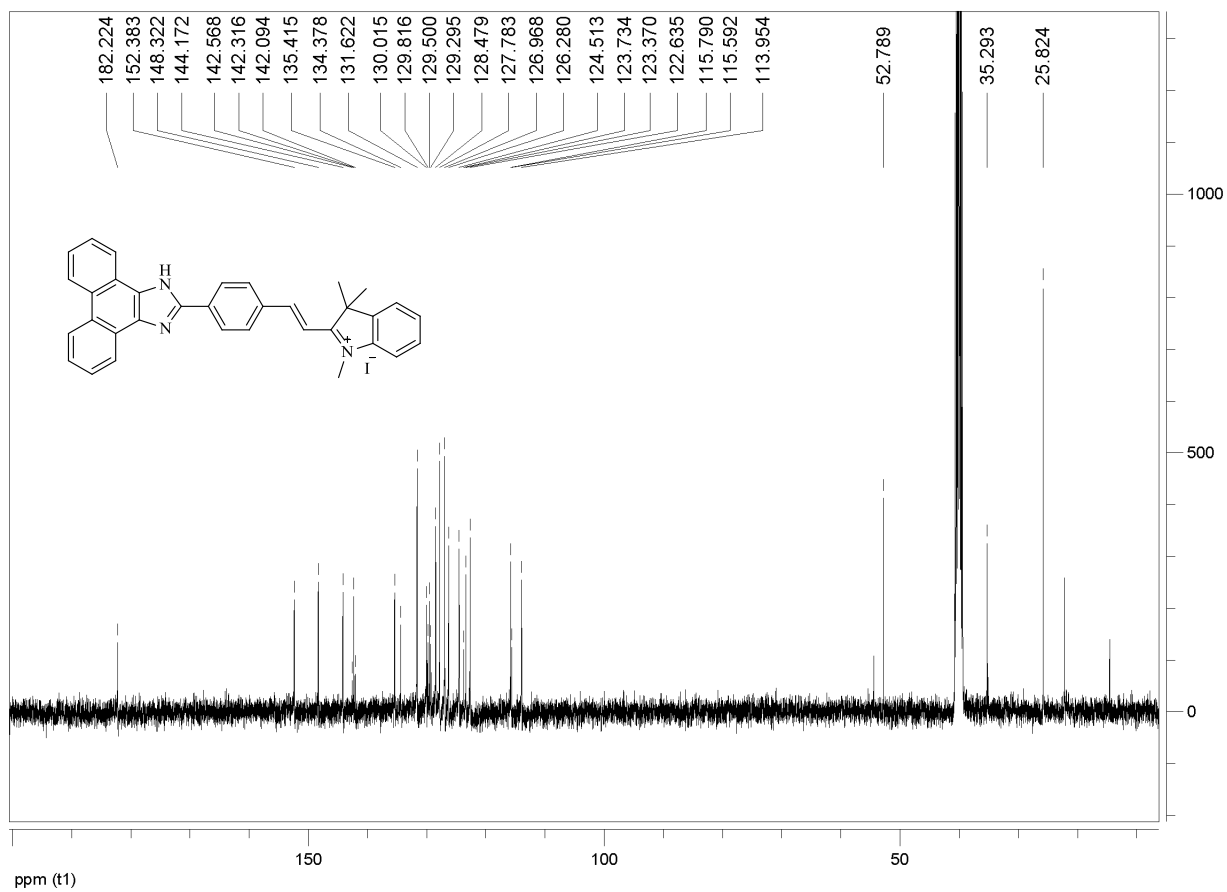
Set Divert Valve

Source



Compound (4)





Display Report

Analysis Info

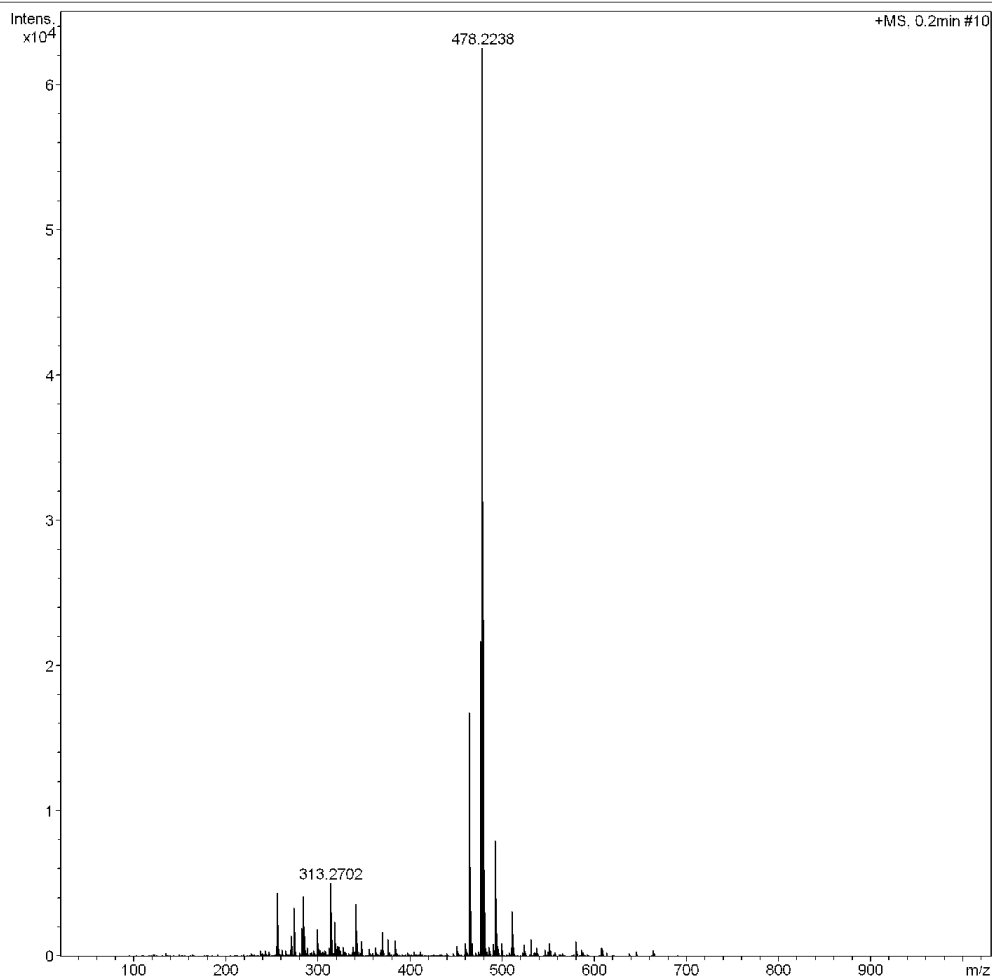
Analysis Name D:\Data\Chen Li Gong\20120620-LTT-049.d
Method tune_low.m
Sample Name 20120618-1M-2814.4.5.2828
Comment

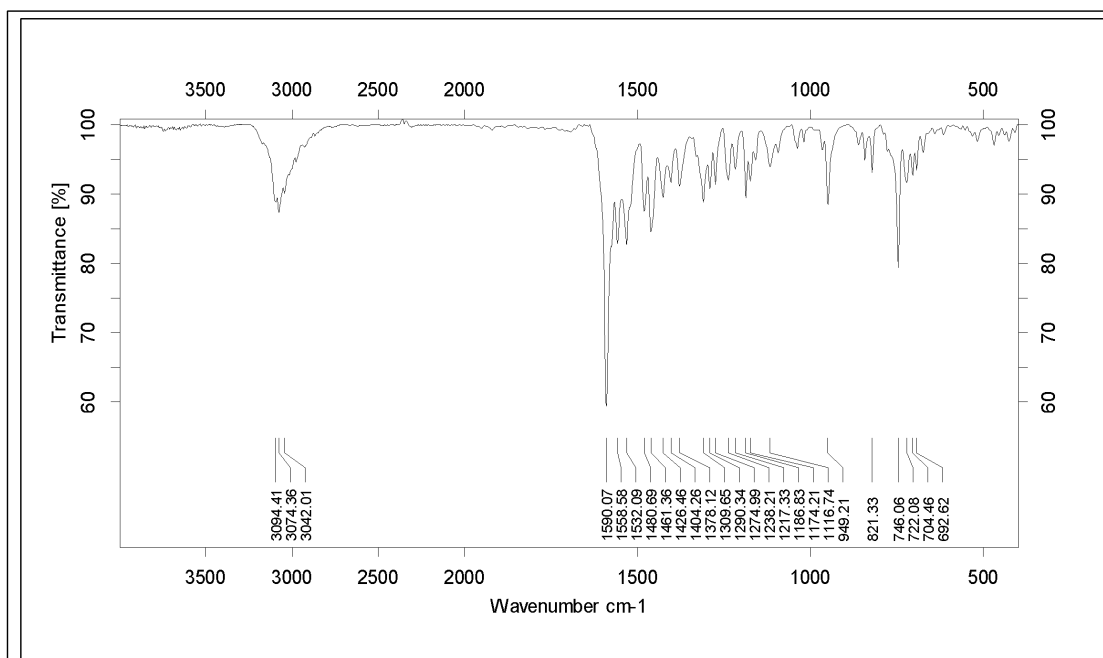
Acquisition Date 6/20/2012 6:20:56 PM

Operator TJU
Instrument micrOTOF-Q II 10204

Acquisition Parameter

Source Type	APCI	Ion Polarity	Positive	Set Nebulizer	1.6 Bar
Focus	Not active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	8.0 l/min
Scan End	1000 m/z	Set Collision Cell RF	150.0 Vpp	Set Divert Valve	Source





Sample :	Frequency Range : 3996.44 - 399.258	Measured on : 19/06/2012
Technique :	Resolution : 4	Instrument : TENSOR 27
Customer : Operator	Zerofilling : 2	Sample Scans : 16
	Acquisition : Double Sided,For	