

### Chemical Information:

Name: Cyclopentaphenanthrene  
CAS No.: 203-64-5 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201057 Lot No.: 09321CD  
NTP\_CID No.: 376 MW: 190.24 g/mol

Date of Analysis: 10 April 2007

### Purity and Identity Results:

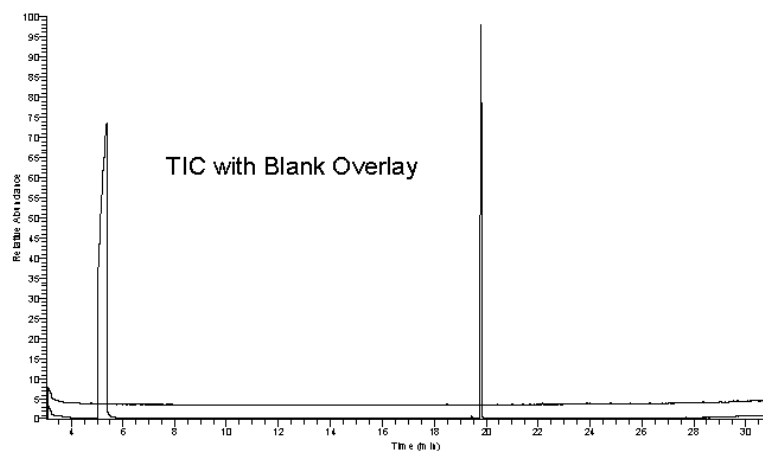
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.37	Not applicable
unknown	19.45	0.58
Cyclopentaphenanthrene	19.80	99.42

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

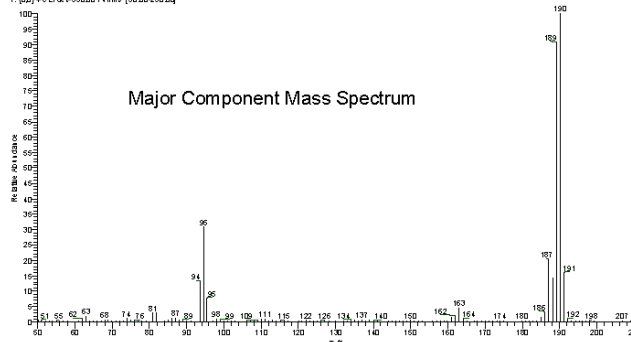
### GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- $\mu$ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.50 SM: 30



07/01/2006 #2012 RT: 19.71 AC: 1 SR: 2 19.72, 19.85 NL: 12456  
T: 0.00 s - 0.01 s - 30.00 s File: [50.00-200.00]



NIST Reference Mass Spectrum

