NARICT, ZARIA
GCMS ANALYSIS
SAMPLE: LEAVES + STEM BARK + ROOT

Chromatogram
Chromatogram LEAVES + STEM Sample C/GCMSsolutionSOLA OLADIP/SOLA OLADP003.png

Method

[Analytical Line]

[AOC-201]
# of Rinses with PreSolvent: 5
# of Rinses with Solvent(post): 5
# of Rinses with Sample: 3
Purger Speed(Suction): High
Vicinity Comp. Time: 0.2 sec
Purger Speed(Injection): High
Syringe Insertion Speed: High
Injection Mode: Normal
Pumping Times: 5
Inj. Port Dwell Time: 0.3 sec
Terminal Air Gap: No
Purger Washing Speed: High
Washing Volume: 60L
Syringe Suction Position: 0.0 mm
Syringe Injection Position: 0.0 mm
Uvi-3 Solvent Vial: 1 vial

[GC-2010]
Column Oven Temp.: 60.0 °C
Injection Temp.: 250.00 °C
Injection Mode: Split
Flow Control Mode: Linear Velocity
Pressure: 100.2 kPa
Total Flow: 60 mL/min
Column Flow: 1.61 mL/min
Linear Velocity: 46.3 m/sec
Purge Flow: 3.0 mL/min
Split Ratio: 1.0
High Pressure Injection: OFF
Carrier Gas: Helium
Splitter Hold: OFF
Oven Temp. Program
Rate  Temperature(°C)  Hold Time(min)
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  7.00    60.0    140.0    3.00
  7.00    280.0    15.00

< Ready Check Heat Unit >
  Column Oven   : Yes
  SP2        : Yes
  MS         : Yes

< Ready Check Detector (FTD) >

< Ready Check Baseline Drift >
< Ready Check Injection Flow >
SP2 Carrier   : Yes
SP2 Purge    : Yes

< Ready Check APC Flow >
< Ready Check Detector APC Flow >
External Wait : No
Equilibrium Time : 3.0 min

[GC Program]

[GCMS-QP2010 Plus]
IonSource Temp  : 200.00 °C
Interface Temp  : 250.00 °C
Solvent Cut Time : 5.50 min
Detector Gain Mode  : Relative
Detector Gain : 0.00 kV
Threshold     : 3000

[MS Table]
--Group 1 - Event 1--
Start Time : 3.00 min
End Time   : 48.00 min
ACQ Mode   : Scan
Event Time : 0.50 sec
Scan Speed : 1666
Start m/z  : 40.00
End m/z    : 800.00
Sample Inlet Unit : GC

[MS Program]
Use MS Program : OFF

Spectrum

Line #1 R Time: 24.9 (Scan #: 2639)
Mass Peaks: 15
Run Mode: Single 24.9 (2639) Base Peak: 74 (30.549)
BG Mode: 24.9 (2632) Group 1 - Event 1

Line #2 R Time: 27.2 (Scan #: 2910)
Mass Peaks: 27
Run Mode: Single 27.2 (2910) Base Peak: 55 (16.146)
BG Mode: 27.2 (2913) Group 1 - Event 1

Line #3 R Time: 27.7 (Scan #: 2968)
Mass Peaks: 39
Run Mode: Single 27.7 (2968) Base Peak: 55 (41.348)
BG Mode: 27.7 (2972) Group 1 - Event 1