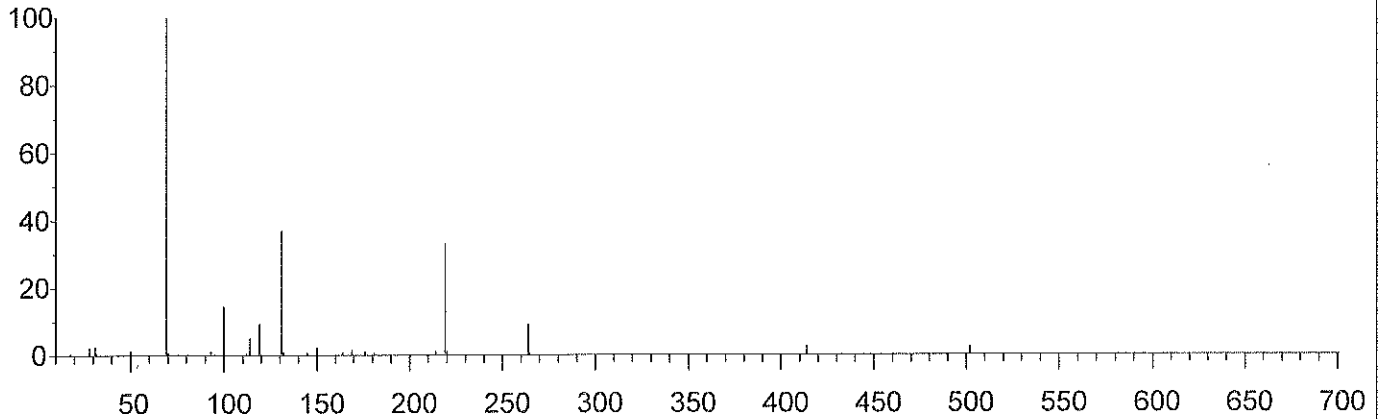


Ion Pol Pos MassGain 339
 MassOffs -40
 Emission 34.6 AmuGain 3125
 EIEnrgy 69.9 AmuOffs 119.50
 Filament 1 Wid219 0.014
 DC Pol Pos
 Repeller 34.81
 IonFcus 90.2 HEDEnab On
 EntLens 32.0 EMVolts 1988
 EntOffs 17.57
 PFTBA Open Samples 8
 Averages 3
 Stepsize 0.10

Temperatures and Pressures:
 MS Source 230 TurboSpd 100
 MS Quad 150 HiVac 1.09e05

Scan: 10.00 - 701.00 Samples: 8 Thresh: 100 Step: 0.10
 107 peaks Base: 69.00 Abundance: 349888



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	349888	100.00	70.00	3746	1.07
219.00	116224	33.22	220.00	5058	4.35
501.90	8914	2.55	503.00	804	9.02

Air/Water Check: H2O~0.58% N2~2.25% O2~0.72% CO2~0.05% N2/H2O~391.36%

Ramp Criteria:

Ion Focus Maximum 90 volts using ion 502; EM Gain 287277
 Repeller Maximum 35 volts using ion 219; Gain Factor 2.87

MassGain Values(Samples): 344(3) 350(2) 367(1) 386(0) 429(FS)

TARGET MASS: 50 69 131 219 414 502 1050

 Amu Offset: 119.5 119.5 119.5 119.5 119.5 119.5 119.5
 Entrance Lens Offset: 17.6 17.6 17.6 17.6 17.6 17.6 17.6

System Verification - Tune (Detector Optimization) Portion

Instrument Name : Py-gc-ms
DC Polarity : Positive
Filament : 1
BasePeak should be 69 or 219 Ok
Position of mass 69 69.00 Ok
Position of mass 219 219.00 Ok
Position of mass 502 501.99 Ok
Position of isotope mass 70 70.01 Ok
Position of isotope mass 220 220.00 Ok
Position of isotope mass 503 502.99 Ok
Ratio of mass 70 to mass 69(0.5 - 1.6%) 1.04 Ok
Ratio of mass 220 to mass 219(3.2 - 5.4%) 4.32 Ok
Ratio of mass 503 to mass 502(7.9 - 12.3%) 10.59 Ok
Ratio of 219 to 69 should be > 40% and is 33.10 Low
Ratio of 502 to 69 should be > 2.4% and is 2.69 Ok

Possible causes include: Foreline pressure not between 20 and 100 mtorr
Bad filament being used
Dirty ion source

Mass 69 Precursor (<= 3%) 1.35 Ok
Mass 219 Precursor (<= 6%) 4.33 Ok
Mass 502 Precursor (<= 12%) 4.61 Ok

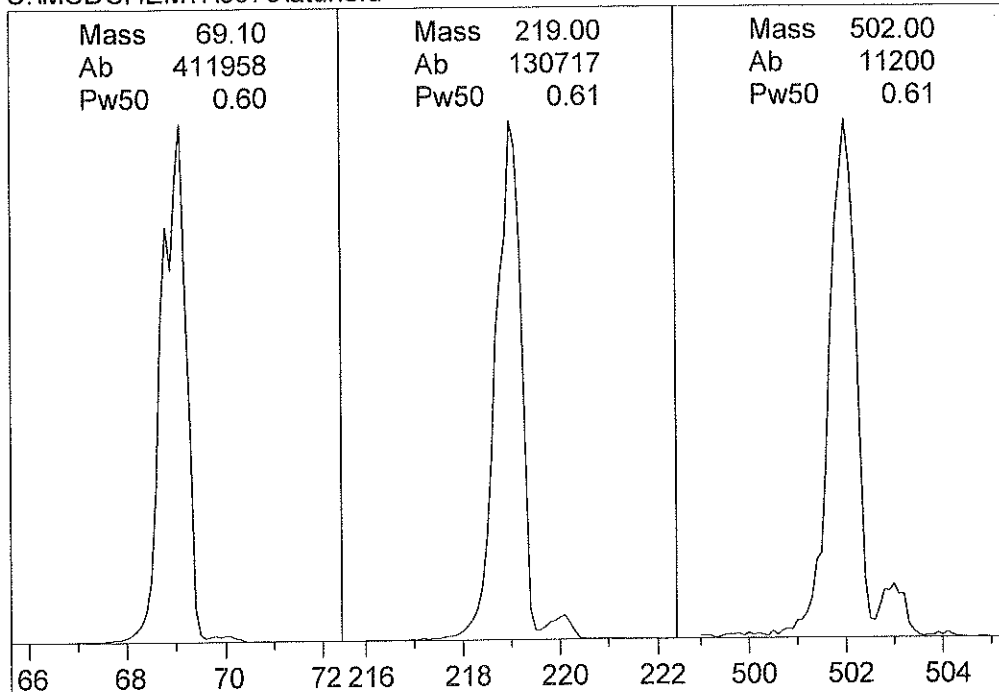
Testing for a leak in the system

Ratio of 18 to 69 (<20%) 0.70 Ok
Ratio of 28 to 69 (<10%) 2.08 Ok

Electron Multiplier Voltage 1988 Ok

One or more specifications was out of range.
Please correct before continuing.

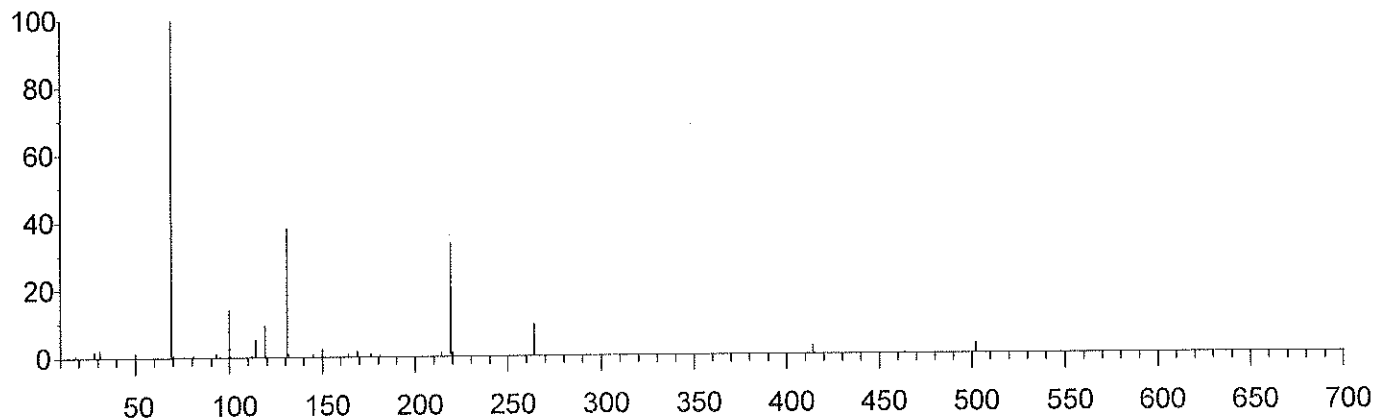
Failure of one or more tests may be caused by
selecting the wrong DC Polarity.
Please verify that the correct DC Polarity has been set
by removing the detector cover and checking the label
at the top of the EID.



Ion Pol Pos MassGain 343
MassOffs -40
Emission 34.6 AmuGain 3119
EIEnrgy 69.9 AmuOffs 119.06
Filament 1 Wid219 -0.003
DC Pol Pos
Repeller 34.81
IonFcus 90.2 HEDEnab On
EntLens 32.0 EMVolts 1941
EntOffs 17.57
PFTBA Open Samples 8
Averages 3
Stepsize 0.10

Temperatures and Pressures:
MS Source 230 TurboSpd 100
MS Quad 150 HiVac 1.13e05

Scan: 10.00 - 701.00 Samples: 8 Thresh: 100 Step: 0.10
118 peaks Base: 69.00 Abundance: 354880



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	354880	100.00	70.00	3483	0.98
219.00	119304	33.62	220.10	5608	4.70
502.00	11048	3.11	503.00	1171	10.60

Air/Water Check: H2O~0.71% N2~1.98% O2~0.70% CO2~0.05% N2/H2O~280.59%

Ramp Criteria:

Ion Focus Maximum 90 volts using ion 502; EM Gain 250503
Repeller Maximum 35 volts using ion 219; Gain Factor 2.51

MassGain Values(Samples): 350(3) 353(2) 371(1) 392(0) 392(FS)

TARGET MASS: 50 69 131 219 414 502 1050

Amu Offset: 119.1 119.1 119.1 119.1 119.1 119.1 119.1
Entrance Lens Offset: 17.6 17.6 17.6 17.6 17.6 17.6 17.6

System Verification - Tune (Detector Optimization) Portion

Instrument Name : Py-gc-ms
DC Polarity : Positive
Filament : 1
BasePeak should be 69 or 219 Ok
Position of mass 69 69.00 Ok
Position of mass 219 219.00 Ok
Position of mass 502 502.01 Ok
Position of isotope mass 70 70.01 Ok
Position of isotope mass 220 220.03 Ok
Position of isotope mass 503 503.01 Ok
Ratio of mass 70 to mass 69(0.5 - 1.6%) 1.08 Ok
Ratio of mass 220 to mass 219(3.2 - 5.4%) 4.29 Ok
Ratio of mass 503 to mass 502(7.9 - 12.3%) 10.08 Ok
Ratio of 219 to 69 should be > 40% and is 33.27 Low
Ratio of 502 to 69 should be > 2.4% and is 2.94 Ok

Possible causes include: Foreline pressure not between 20 and 100 mtorr
Bad filament being used
Dirty ion source

Mass 69 Precursor (<= 3%) 1.29 Ok
Mass 219 Precursor (<= 6%) 4.06 Ok
Mass 502 Precursor (<= 12%) 5.08 Ok

Testing for a leak in the system

Ratio of 18 to 69 (<20%) 0.69 Ok
Ratio of 28 to 69 (<10%) 1.95 Ok

Electron Multiplier Voltage 1941 Ok

One or more specifications was out of range.
Please correct before continuing.

Failure of one or more tests may be caused by
selecting the wrong DC Polarity.
Please verify that the correct DC Polarity has been set
by removing the detector cover and checking the label
at the top of the EID.