



# Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

## GC-MS Maintenance Log

Instrument: GCMS-5

Date	He Tank Pressure	Air Tank Pressure*	H <sub>2</sub> Water Level* H <sub>2</sub> Pressure*	Auto Tune	Septum Change	Wash Vials Filled	Syringe Washed	Rough Pump Oil Level Checked	Liner Change	Gold Seal Replaced	Column Cut	Computer Restarted	Output* Bead Voltage*	Comments	Analyst
1/27/21	50 875	60 1400	yes 80	✓	X	✓	✓	✓	X	X	X	✓	0.4 0.561		mh
<del>1/29/2021 mh</del>															

\*For GC-MS/NPD instrument (GCMS-5).

Signature: Melina Henry

Date Completed: 1/29/2021

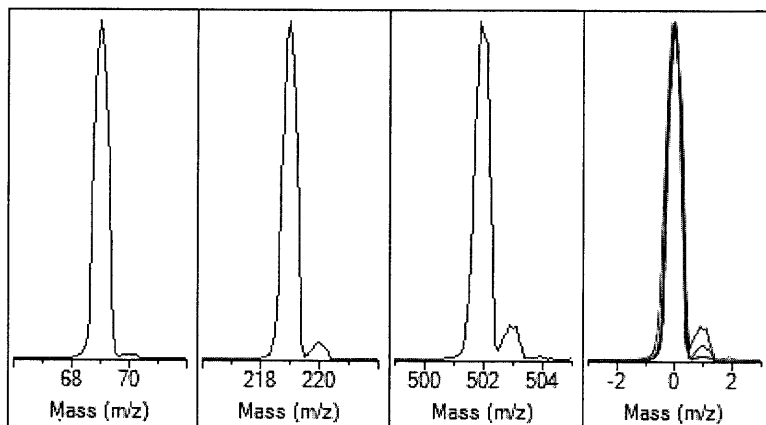
### Extraction Source Autotune - 5977

Tune timestamp: 1/27/2021 10:01 AM (UTC-06:00)

GCMS\_5 DRS Acquisition

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US1609M002

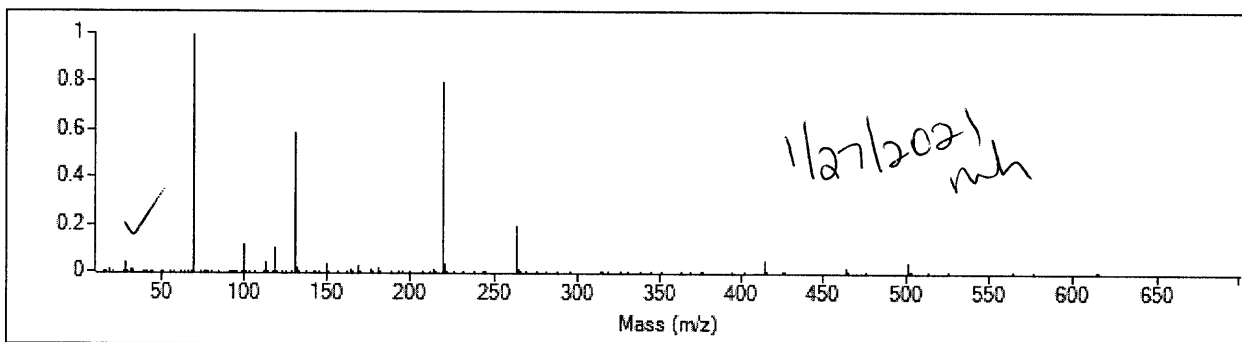


Ion Polarity	Pos	PFTBA	Open
Emission	34.6	Mass Gain	144
Electron Energy	70.0	Mass Offset	-23
Filament	1	Amu Gain	2641
Repeller	2.49	Amu Offset	136.81
Ion Focus	89.8	Width219	-0.049
Entrance Lens	22.7	DC Polarity	Neg
Ent Lens Offset	12.03	HED Enable	On
Ion Body	5.75	EM Volts	1178.9
Post Extractor 1	0	Extractor Lens	0.40
Post Extractor 2	0	Scan Speed	3
JetClean Flow Actual/[Setpoint]	0.00 [0.00]	Averages	3

Actual m/z	Abund	Rel Abund	Pw50
69.00	502,689	100.0%	0.60
219.00	405,320	80.6%	0.59
501.90	19,873	4.0%	0.61

Temperatures and Pressures		
MS Source	300 Turbo Speed	100.0
MS Quad	150 Hi Vac	N/C

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	128	69.00	479,360	1,586,343



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	479,360	100.0%	70.00	5,497	1.1%
219.00	219.00	383,168	79.9%	220.00	16,872	4.4%
502.00	502.00	19,440	4.1%	503.00	2,017	10.4%

Air/Water Check: H2O ~1.0% N2 ~4.1% O2 ~1.0% CO2 ~0.2% N2/H2O ~430.8%

Column(1) Flow: 2.19 Column(2): 0.00 ml/min Interface Temp: 300

**Ramp Criteria:**

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 89012.796

Repeller maximum 35 volts using ion 219; Gain Factor 0.8901

Mass Gain Values(Scan Speed): 151(3) 161(2) 172(1) 198(0) 285(FS1) 240(FS2) 240(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset		136.8	136.8	136.8	136.8	136.8	136.8
Entrance Lens Offset		12.0	12.0	12.0	12.0	12.0	12.0