



Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

GC/MS Maintenance Log

Instrument: GCMS-5

Date	He Tank Pressure	H ₂ Tank Pressure*	Air Tank Pressure*	Auto Tune	Septum Change	Wash Vials Filled	Syringe Washed	Rough Pump Oil Level Checked	Liner Change	Gold Seal Replaced	Column Cut	Output*	Bead Voltage*	Comments	Signature
11/29/18	70 1650	70 2300	50 1500	✓	✓	✓	✓	✓	✓	X	X	11.2	0.939	BNZ=62	mh
12/3/18 mh															

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

Signature: Melina Henry

Date Completed: 12/3/18

LAB-24

Issued By: Supervisor - Toxicology

Issue Date: 2017-03-06

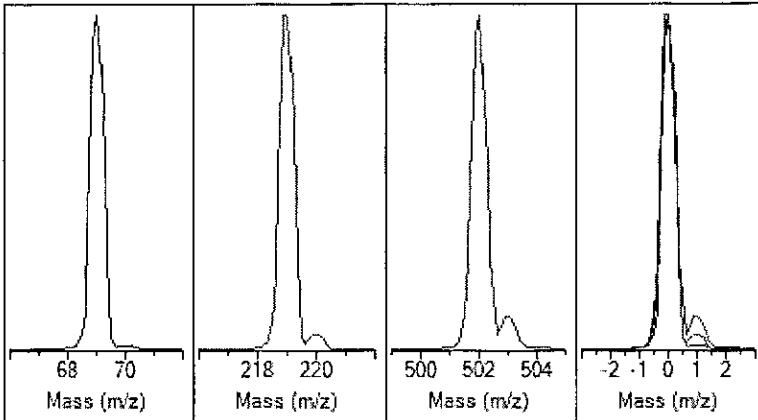
Extraction Source Autotune - 5977

Tune timestamp: 11/29/2018 7:45 AM (UTC-06:00)

GC-MS 5

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US1609M002



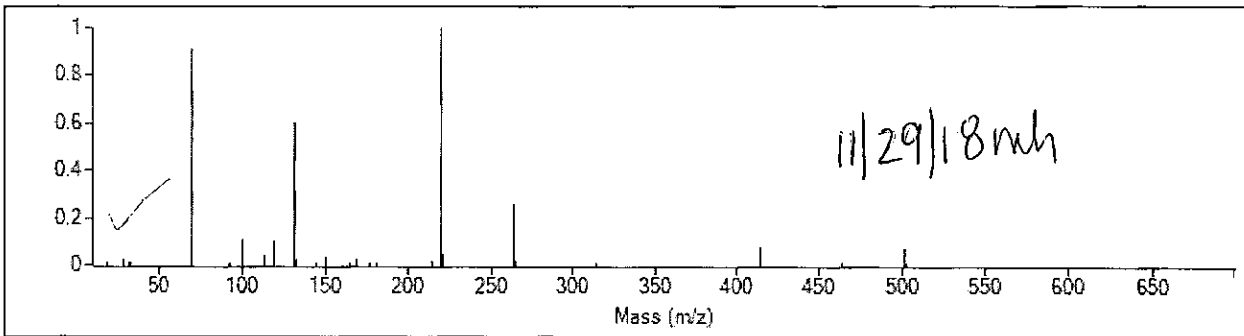
Ion Polarity	Pos	Mass Gain	-102
Emission	34.6	Mass Offset	-21
Electron Energy	70.0	Amu Gain	1937
Filament	1	Amu Offset	139.81
Repeller	2.89	Width219	-0.018
Ion Focus	89.8	DC Polarity	Neg
Entrance Lens	22.7	HED Enable	On
Ent Lens Offset	9.95	EM Volts	1101.4
Ion Body	8.00	Extractor Lens	0.40
Post Extractor 1	0	Scan Speed	3
Post Extractor 2	0	Averages	3
PFTBA	Open	Step Size	0.10

Actual m/z	Abund	Rel Abund	Pw50
69.00	419,569	100.0%	0.59 ✓
218.90	448,304	106.8%	0.60 ✓
502.00	30,823	7.3%	0.62 ✓

Temperatures and Pressures

MS Source	300 Turbo Speed	100.0
MS Quad	180 Hi Vac	N/C

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	92	219.00	429,312	1,488,343



Target m/z	Actual m/z	Abund	Rel Abund	Iso m/z	Iso Abund	Iso Ratio
69.00	69.00	388,736	100.0%	70.00	4,310	1.1% ✓
219.00	219.00	429,312	110.4%	220.00	18,648	4.3% ✓
502.00	502.00	28,648	7.4%	503.10	2,769	9.7% ✓

Air/Water Check: H2O ~0.6% N2 ~2.2% O2 ~0.7% CO2 ~0.1% N2/H2O ~366.8%

Column(1) Flow: 5.57 Column(2): 0.00 ml/min Interface Temp: 310

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 53058.076

Repeller maximum 35 volts using ion 219; Gain Factor 0.5306

Mass Gain Values(Scan Speed): -96(3) -92(2) -82(1) -66(0) -36(FS1) -15(FS2) 5(FS3)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset		139.8	139.8	139.8	139.8	139.8	139.8
Entrance Lens Offset		9.9	9.9	9.9	9.9	9.9	9.9