

Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 3

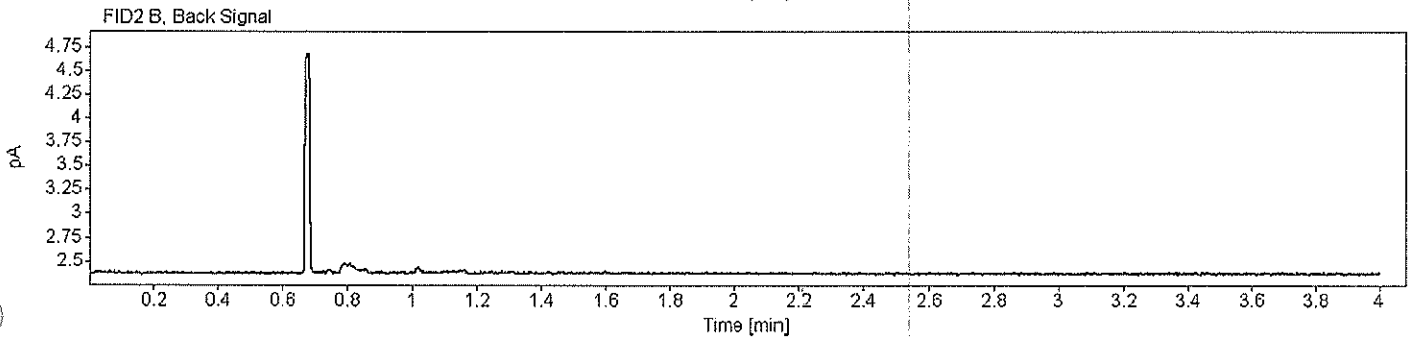
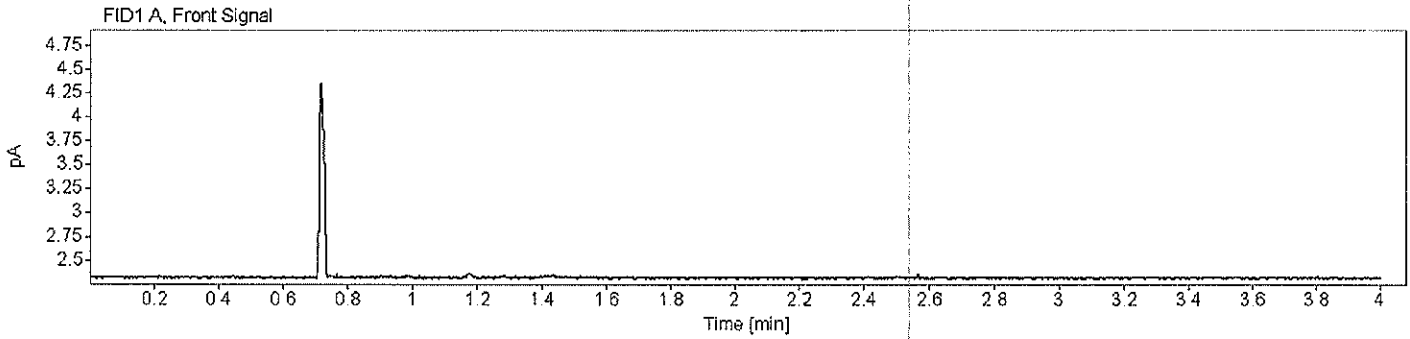
Date	N ₂ Tank Pressure	H ₂ Water Level	H ₂ Pressure	Air Tank Pressure	He Tank Pressure	Air Control	SS	Comments	Signature
						Pass/Fail	Pass/Fail		
8/17/2020	70 550	yes 70	70 600	70 1600	Pass	Pass		<i>luk</i>	
8/19/2020	70 500	yes 70	75 2300	70 1500	Pass	Pass	changed air tank	<i>oag</i>	
 									
 									
 									
									BAM 8/24/2020

Form Complete Date/Signature: Brooke Menderhall 8/24/2020

Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms



Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/17/2020 10:32:21 AM
Data file: C:\Chem32\1\Data\ALC_20200817_TEST\ALC_20200817_TEST 2020-08-17 10-22-16\001F0101.D

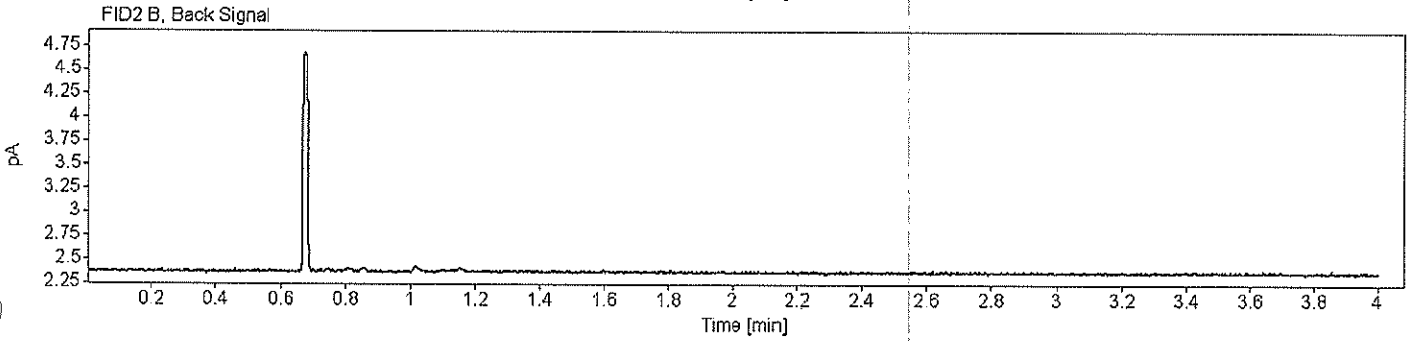
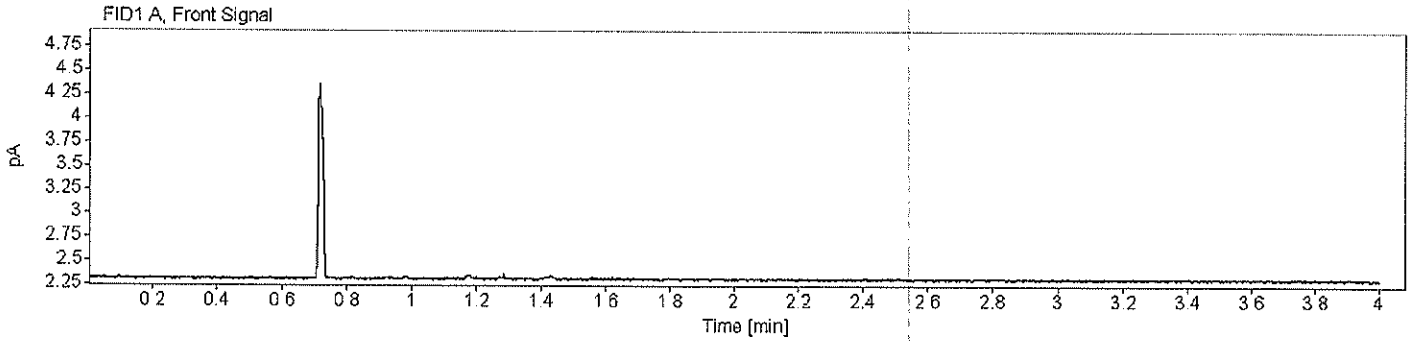


EM

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Toxicology - Volatile Analysis Chromatograms



Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/17/2020 10:36:51 AM
Data file: C:\Chem32\1\Data\ALC_20200817_TEST\ALC_20200817_TEST 2020-08-17 10-22-16\002F0201.D

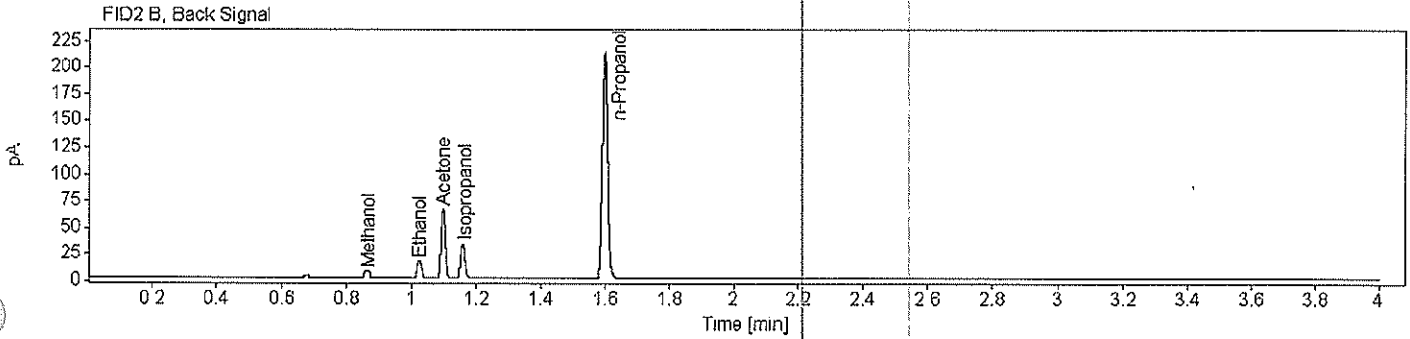
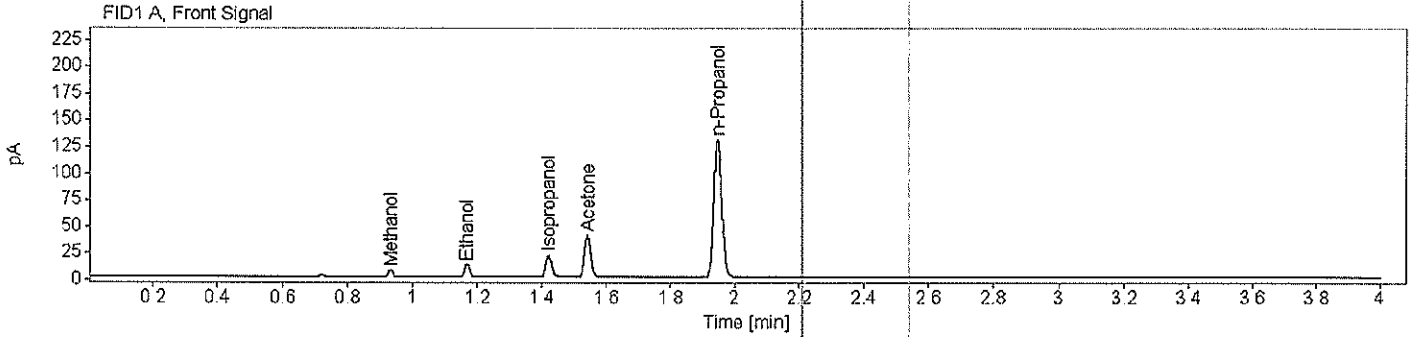


DMC

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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/17/2020 10:42:43 AM
 Data file: C:\Chem32\1\Data\ALC_20200817_TEST\ALC_20200817_TEST 2020-08-17 10-22-16\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.14398		0.935	0.934	7.2950	0.0115
Ethanol	0.85769		1.170	1.170	14.8185	0.0117
Isopropanol	0.85364		1.422	1.422	28.4540	0.0101
Acetone	0.85293		1.542	1.542	55.7725	0.0105
n-Propanol	0.87098		1.947	1.948	228.6687	0.0100

Name FID2B

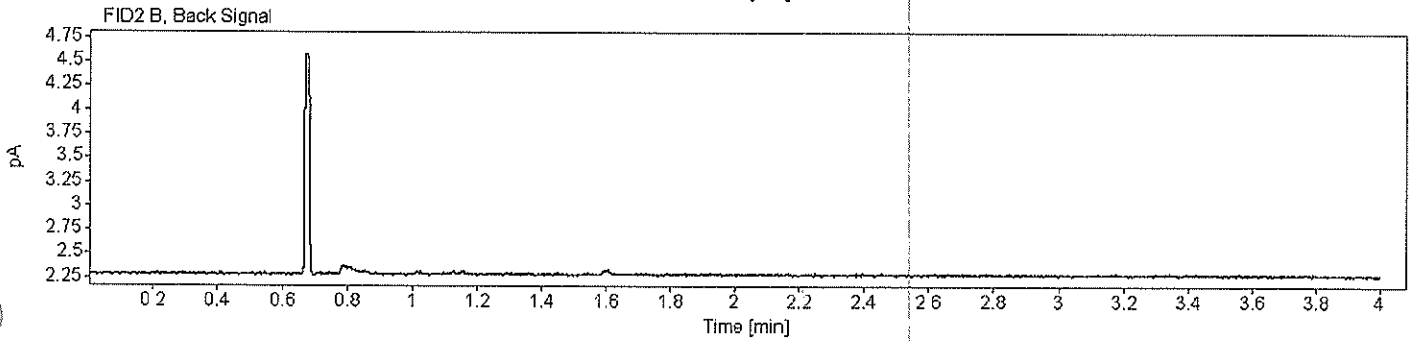
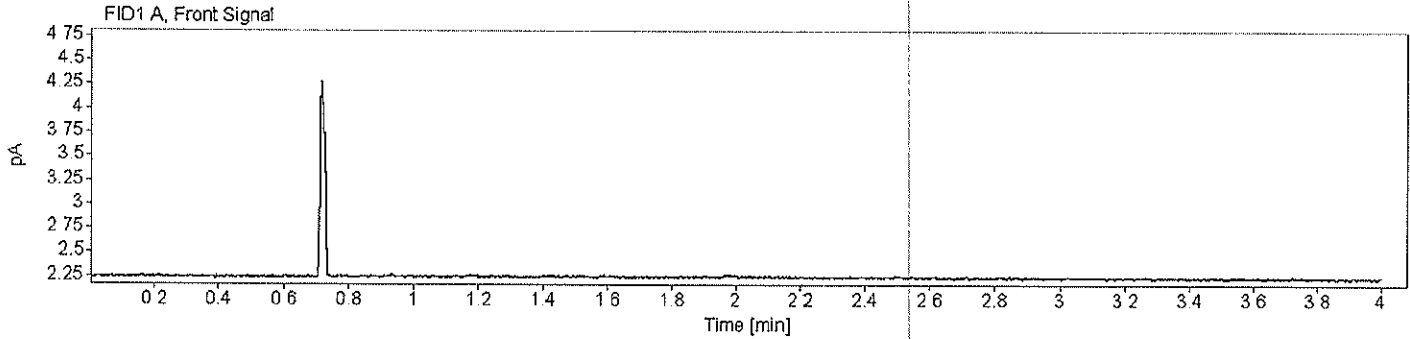
Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.68137		0.867	0.867	8.1987	0.0114
Ethanol	0.91475		1.026	1.027	16.8131	0.0117
Acetone	0.89924	929.260495962951	1.099	1.100	62.7073	0.0106
Isopropanol	0.89000	459.242088171683	1.160	1.162	32.1288	0.0102
n-Propanol	0.94599		1.600	1.603	254.6514	0.0100

DM

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Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/19/2020 12:47:11 PM
Data file: C:\Chem32\1\Data\ALC_20200819_TEST\ALC_20200819_TEST 2020-08-19 12-37-50\001F0101.D

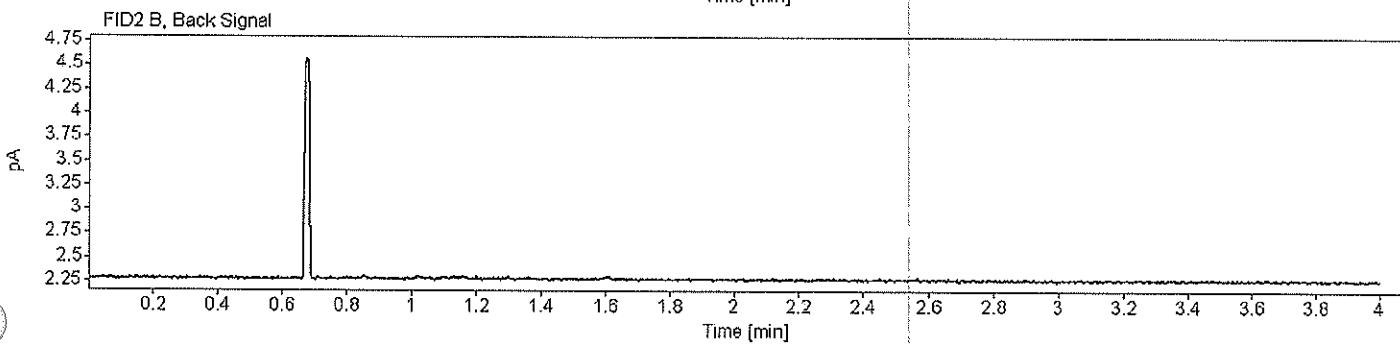
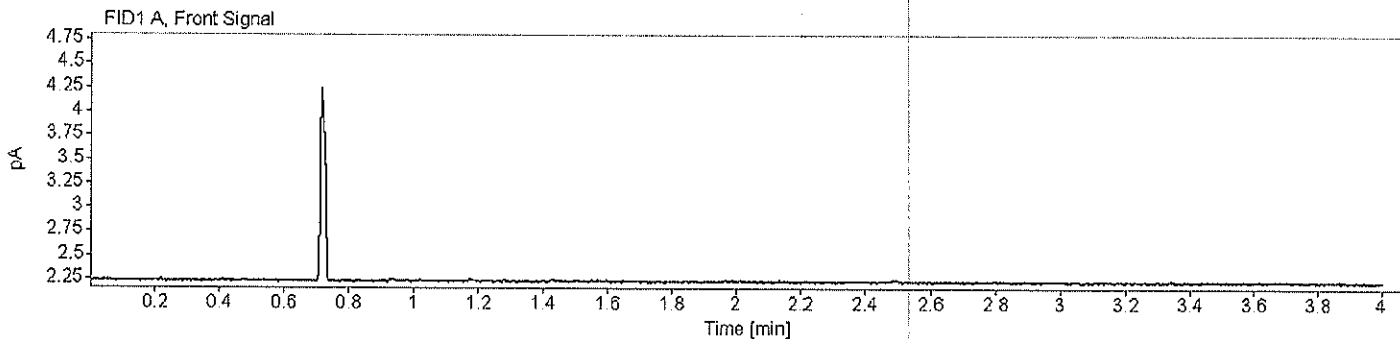


Ray

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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/19/2020 12:51:40 PM
Data file: C:\Chem32\1\Data\ALC_20200819_TEST\ALC_20200819_TEST 2020-08-19 12-37-50\002F0201.D

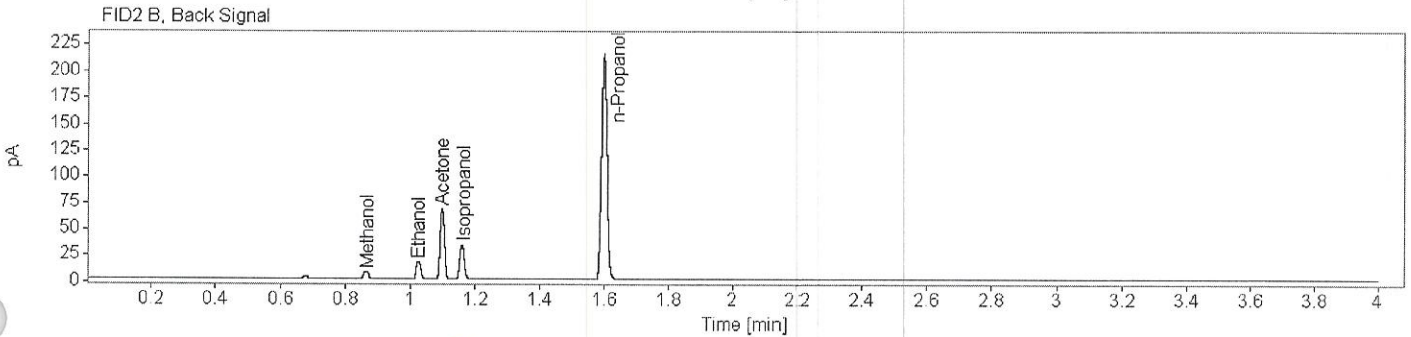
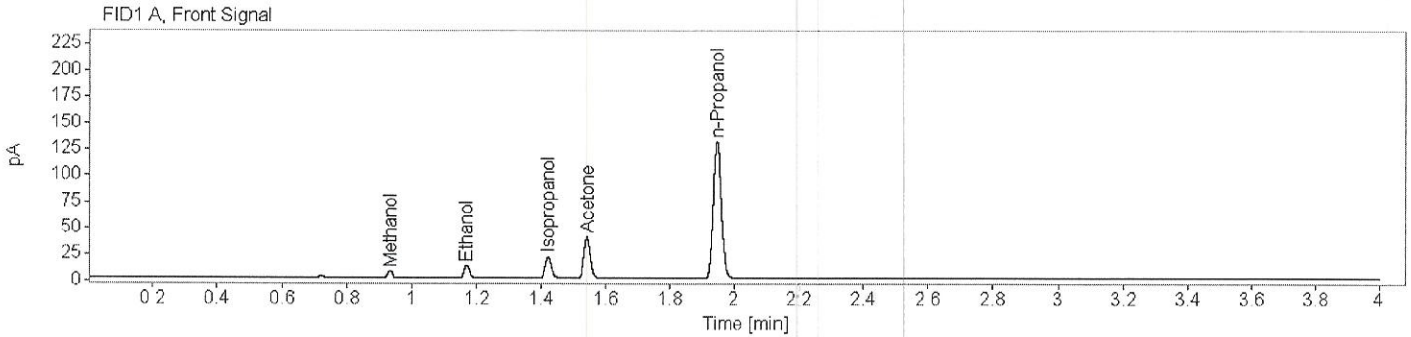


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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 8/19/2020 12:57:34 PM
 Data file: C:\Chem32\1\Data\ALC_20200819_TEST\ALC_20200819_TEST 2020-08-19 12-37-50\003F0301.D



Name FID1A ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.14710		0.935	0.934	7.4459	0.0117
Ethanol	0.86173		1.171	1.170	14.9774	0.0118
Isopropanol	0.84760		1.423	1.422	28.6556	0.0101
Acetone	0.85284		1.543	1.542	56.4493	0.0106
n-Propanol	0.87066		1.947	1.948	229.6233	0.0100

Name FID2B ✓

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.69604		0.867	0.867	8.2921	0.0114
Ethanol	0.92631		1.027	1.027	17.0082	0.0118
Acetone	0.89550	904.051538108124	1.100	1.100	63.4013	0.0106
Isopropanol	0.88900	443.653713459939	1.161	1.162	32.3120	0.0102
n-Propanol	0.94623		1.600	1.603	255.7293	0.0100

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