WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.04** g/210L **Quality Assurance solution**

Batch number **03036** Date: 10/27/2003

Preparation: 11.1 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12
1	0.049	0.048	0.048									
2	0.048	0.048	0.048									
3	0.048	0.049	0.048									
4	0.048	0.048	0.048									
5	0.048	0.048	0.048									
Ctrl	0.099	0.098	0.099									

External Control:

Lot #: A024546 Exp date: 09/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.0481 g/100 mL

SD: 0.00035

Range (3xSD): 0.0471 to 0.0492

Precision CV (%): 0.7310 %

Equivalent vapor concent.: 0.0391 g/210L

Analyst	Name	Signature	Date
1	Kari Gruendell	Kari Gruendell	10/29/03
2	Edward Formoso	E Formoso	10/29/03
3	Brian Capron	[illegible]	10/29/03
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: Kari Gruendell according to the approved protocol

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2203 Airport Way South, Suite 360•Seattle, Washington 98134-2027•(206) 262-6100•FAX (206) 262-6145

BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Kari D. Gruendell, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry and two years of analytical laboratory experience.

The quality assurance solution, Lot Number 03036, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0481 grams per 100ml.

Dated: 12/3/03
Seattle, WA

Kari D. Gruendell
Forensic Toxicologist

KDG/bf
KDGQA

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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Edward J. Formoso, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: B.S. degree in Chemistry and twenty-eight years experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 03036, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0481 grams per 100ml.

Dated: 12/3/03
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/bf
EFQA

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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Brian Capron, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology and eight years of experience in forensic toxicology.

The quality assurance solution, Lot Number 03036, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0481 grams per 100ml.

Dated: 12/3/03
Seattle, WA

Brian Capron
Forensic Toxicologist

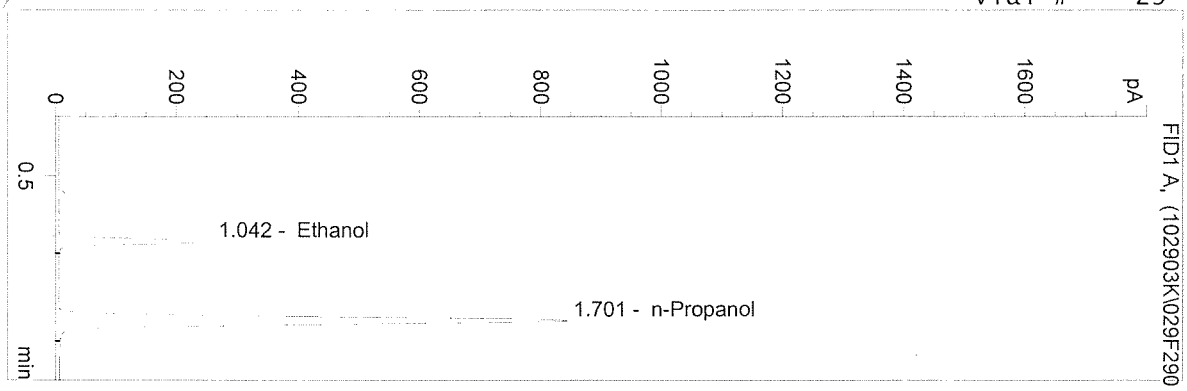
BC/bf
BCQA

WASHINGTON STATE TOXICOLOGY LABORATORY

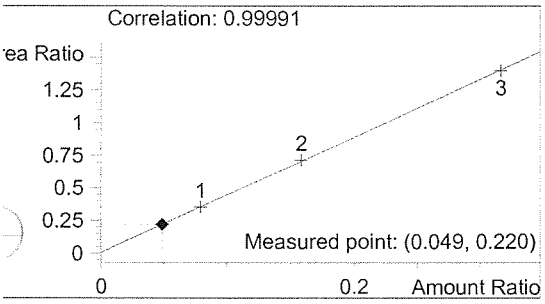
:\HPCHEM\1\METHODS\BLDALCO.M
)/29/03 2:23:53 PM
ıstrument 1
-ALC1

03036 QA
Kari Gruendell

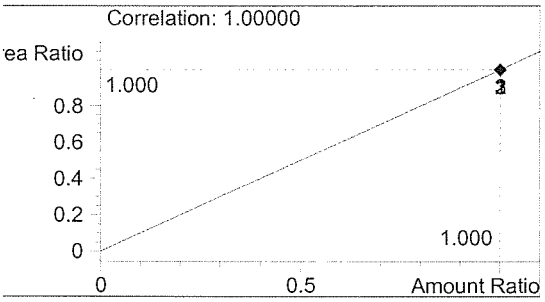
vial # 29



#	Compound	Area	RT
1	Ethanol	783	1.042
2	n-Propanol	3553	1.701
Totals:			



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

\HPCHEM\1\METHODS\BLDALCO.M
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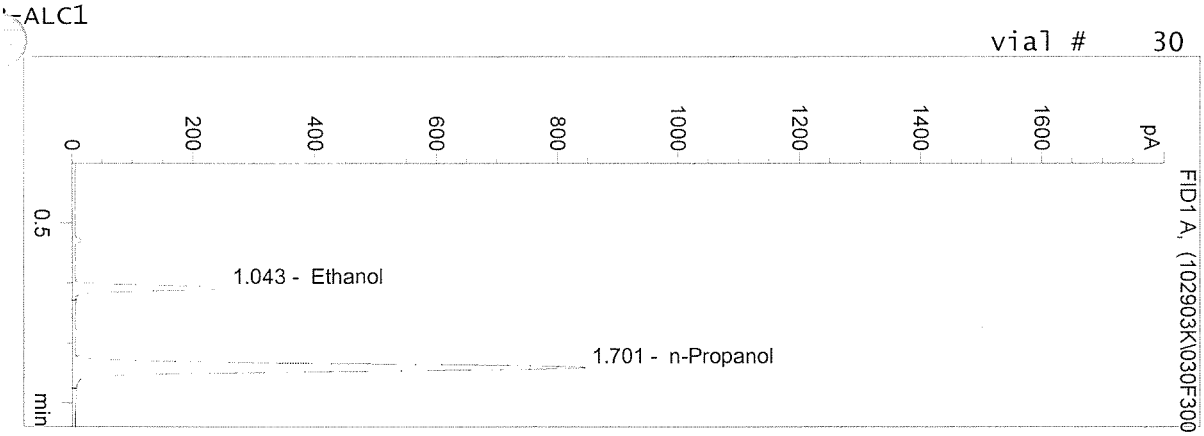
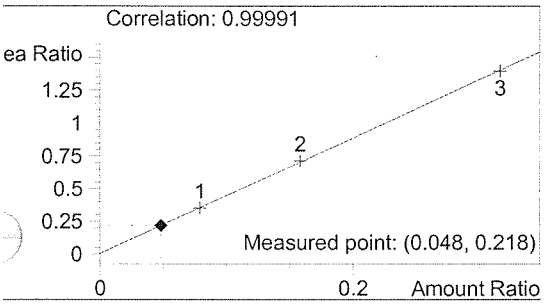
03036 QA
Kari Gruendell

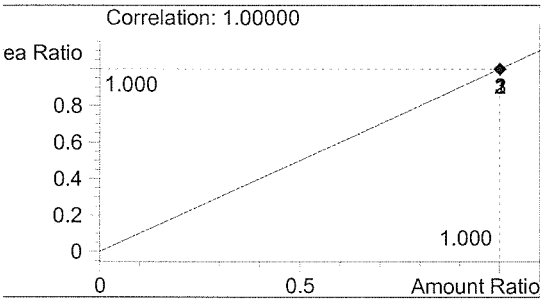
vial # 30



#	Compound	Area	RT
1	Ethanol	781	1.043
2	n-Propanol	3577	1.701
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

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ıstrument 1
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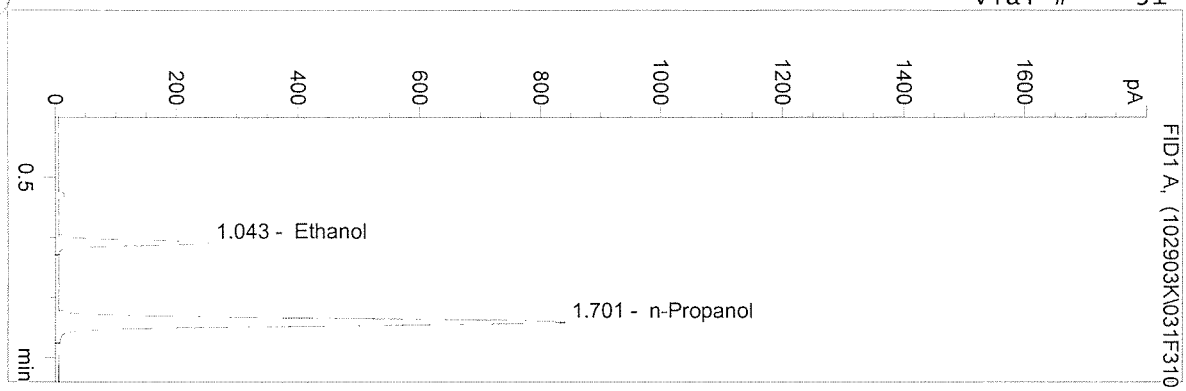
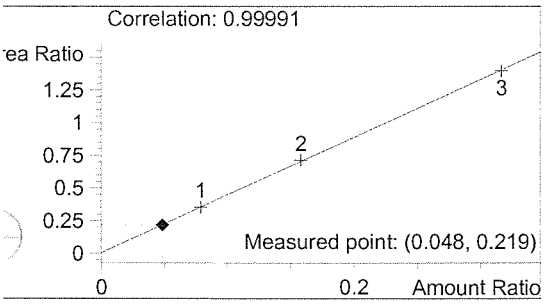
03036 QA
Kari Gruendell

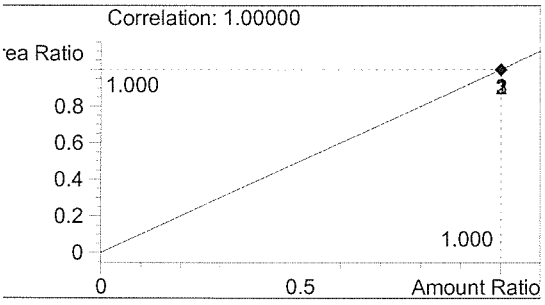
vial # 31



#	Compound	Area	RT
1	Ethanol	779	1.043
2	n-Propanol	3553	1.701
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

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:\HPCHEM\1\METHODS\BLDALCO.M
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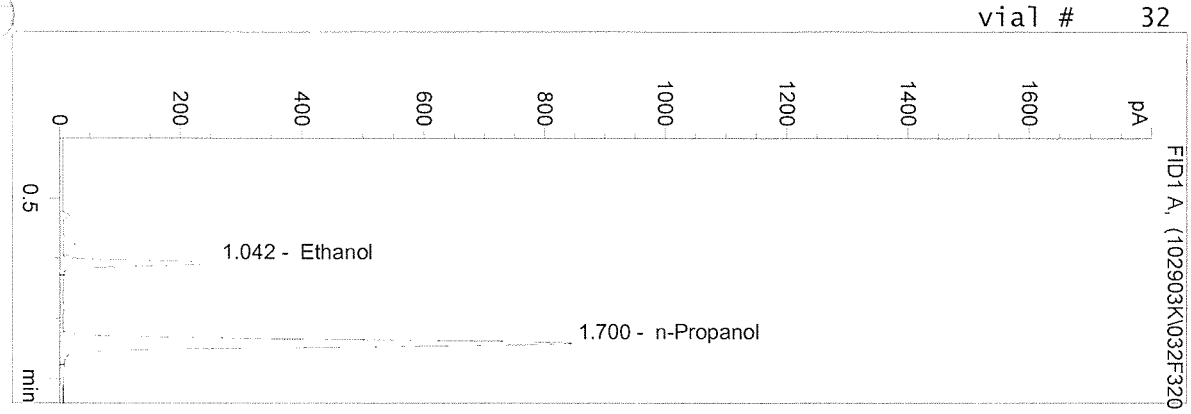
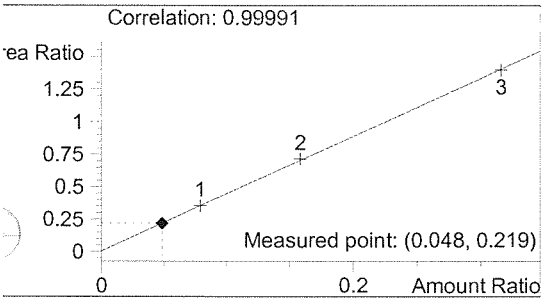
ıstrument 1
-ALC1

03036 QA
Kari Gruendell

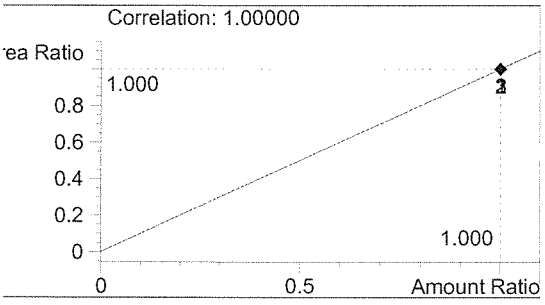
vial # 32



#	Compound	Area	RT
1	Ethanol	779	1.042
2	n-Propanol	3553	1.700
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\1\METHODS\BLDALCO.M
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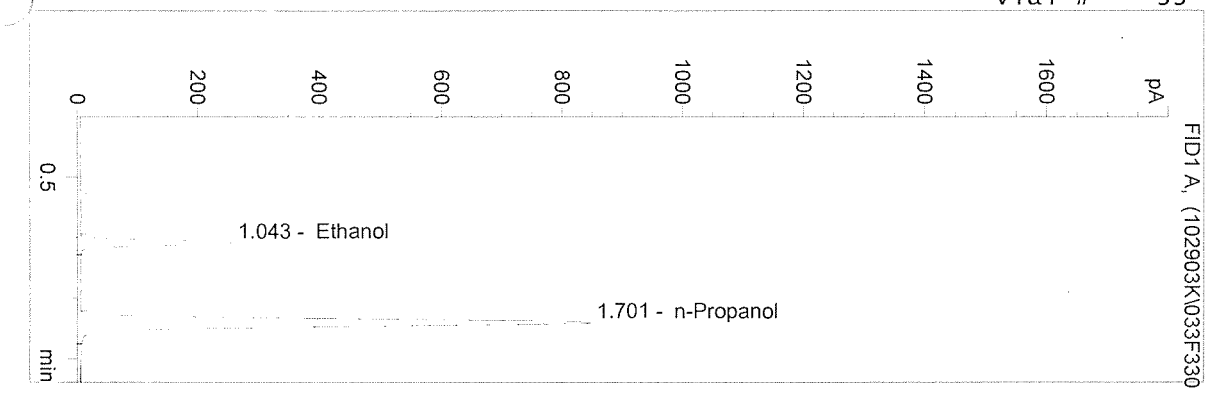
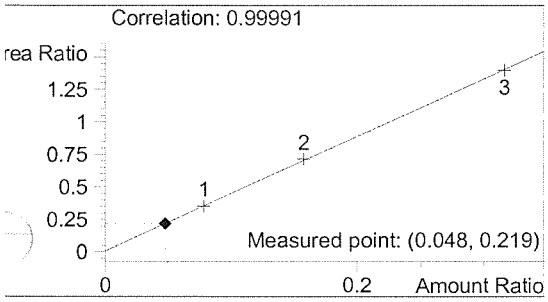
nstrument 1
3-ALC1

03036 QA
Kari Gruendell

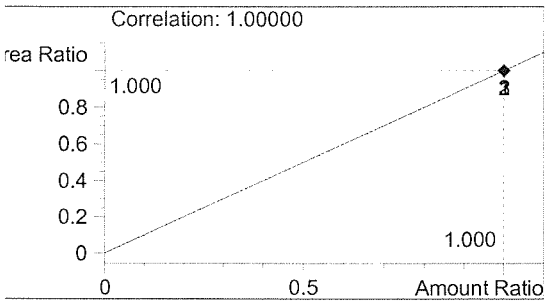
vial # 33



#	Compound	Area	RT
1	Ethanol	786	1.043
2	n-Propanol	3590	1.701
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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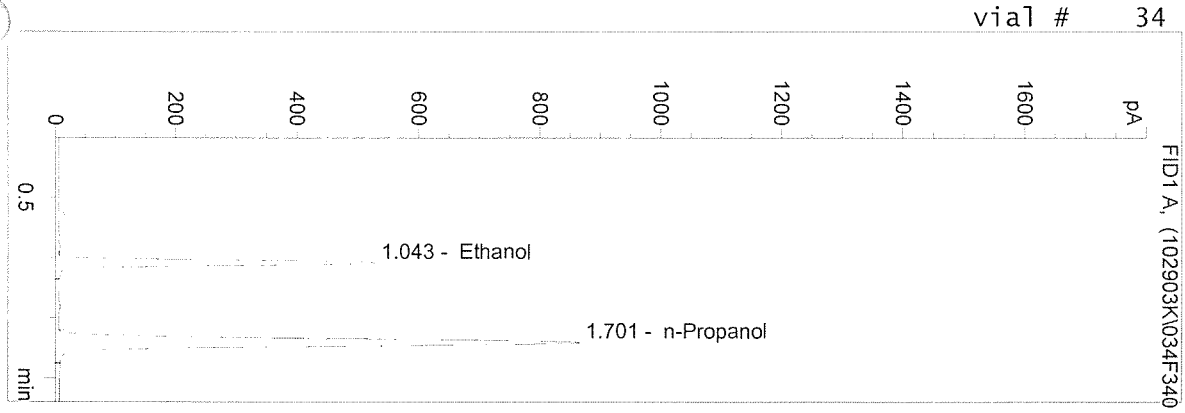
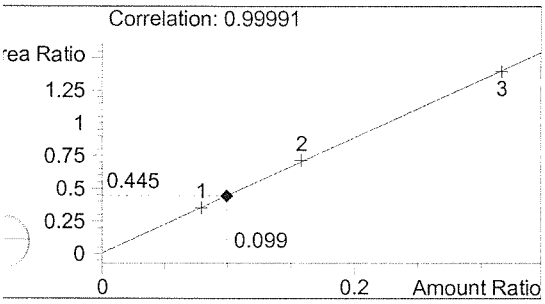
nstrument 1
3-ALC1

0.10 CONTROL
Kari Gruendell

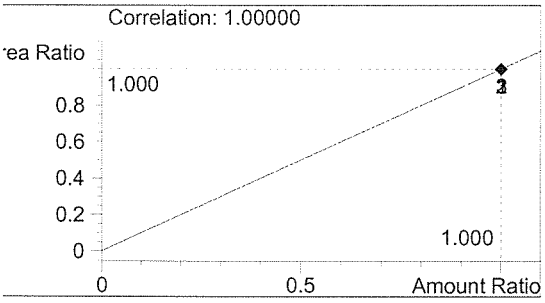
vial # 34



#	Compound	Area	RT
1	Ethanol	1627	1.043
2	n-Propanol	3658	1.701
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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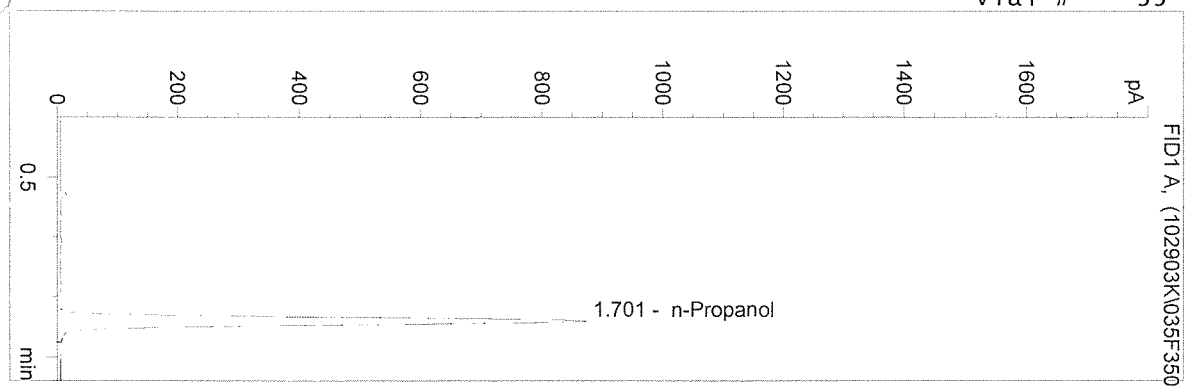
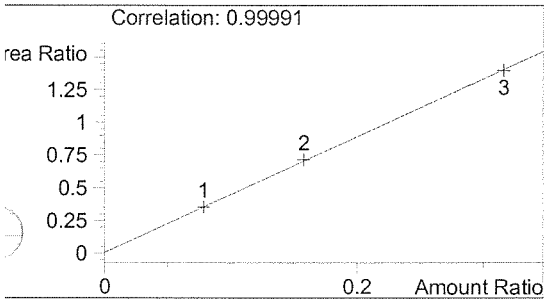
BLANK
Kari Gruendell

vial # 35

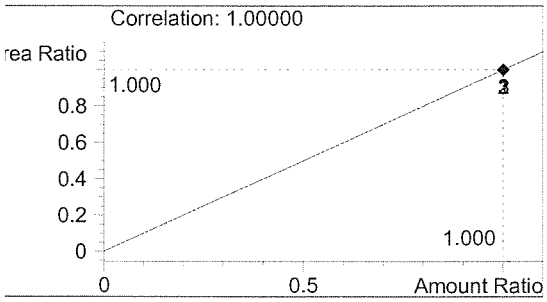


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3693	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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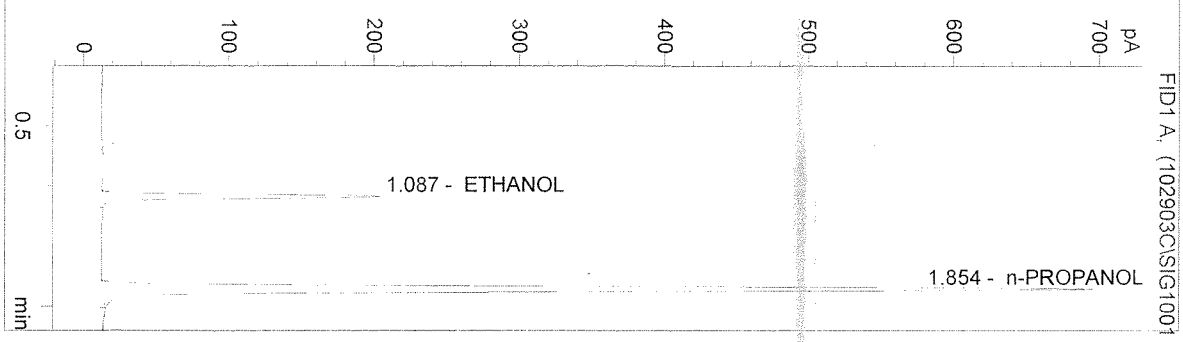
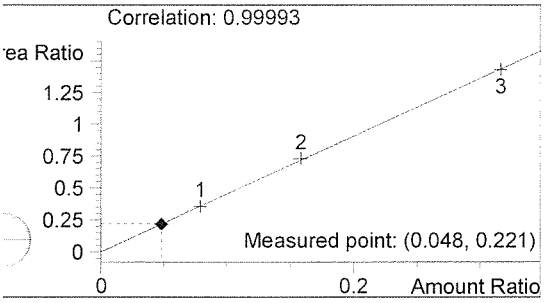
03036 - EF
BRIAN CAPRON

vial # 15

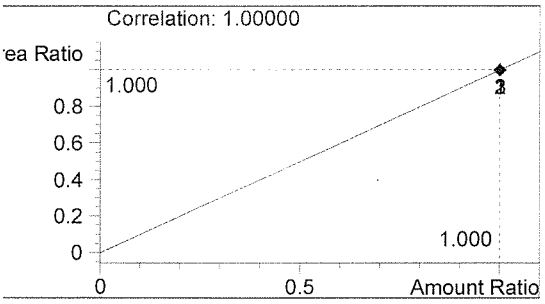


#	Compound	Area	RT
1	ETHANOL	443	1.087
2	n-PROPANOL	2008	1.854

Totals:



ETHANOL 0.048 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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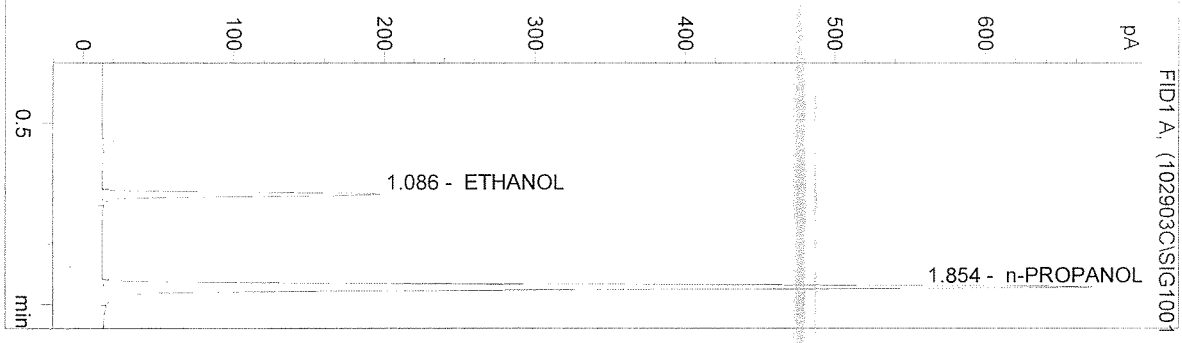
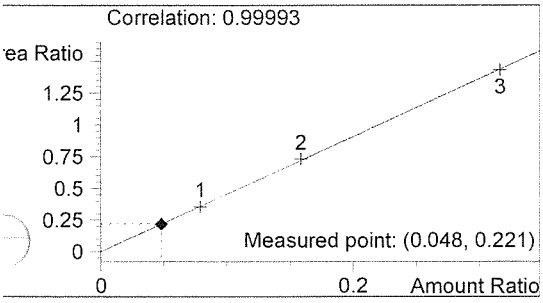
03036 - EF
BRIAN CAPRON

vial # 16

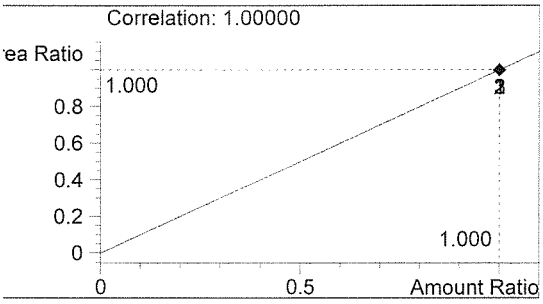


#	Compound	Area	RT
1	ETHANOL	427	1.086
2	n-PROPANOL	1929	1.854

Totals:



ETHANOL 0.048 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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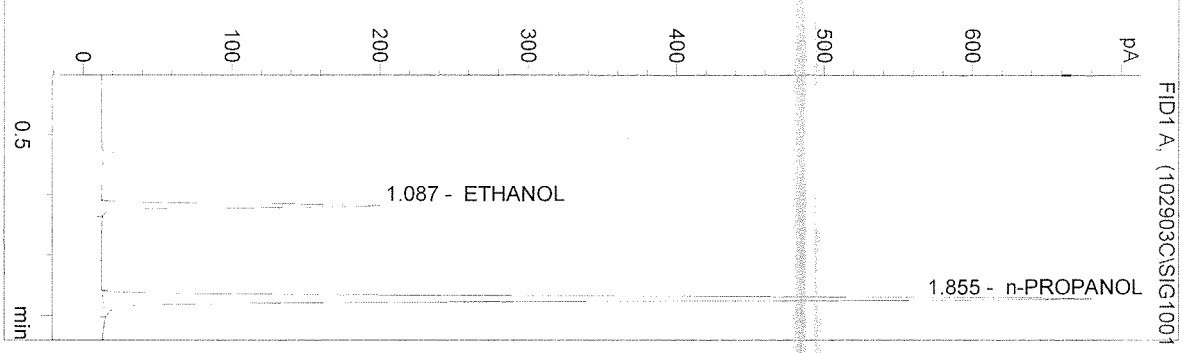
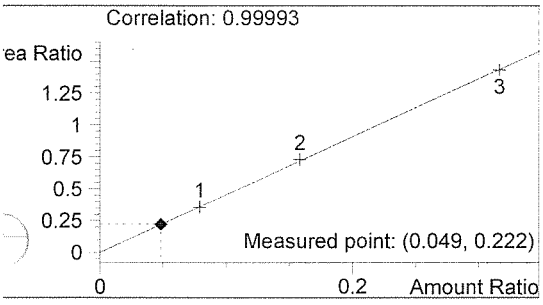
03036 - EF
BRIAN CAPRON

vial # 17

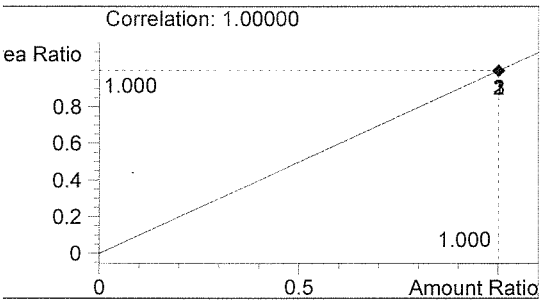


#	Compound	Area	RT
1	ETHANOL	436	1.087
2	n-PROPANOL	1958	1.855

Totals:



ETHANOL 0.049 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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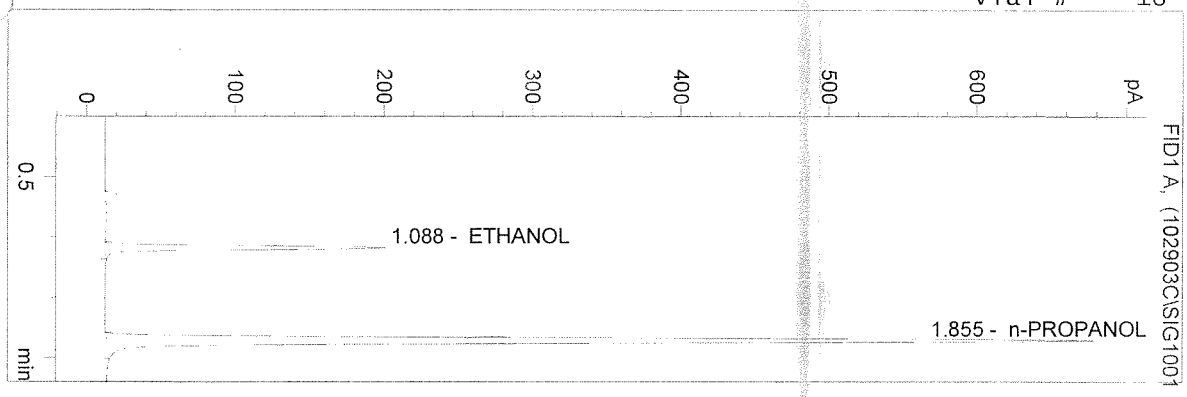
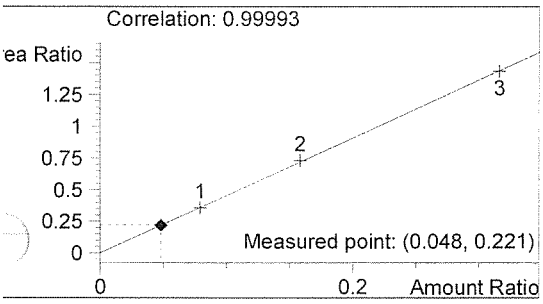
03036 - EF
BRIAN CAPRON

vial # 18

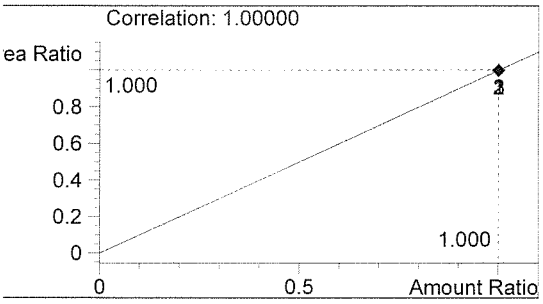


#	Compound	Area	RT
1	ETHANOL	432	1.088
2	n-PROPANOL	1951	1.855

Totals:



ETHANOL 0.048 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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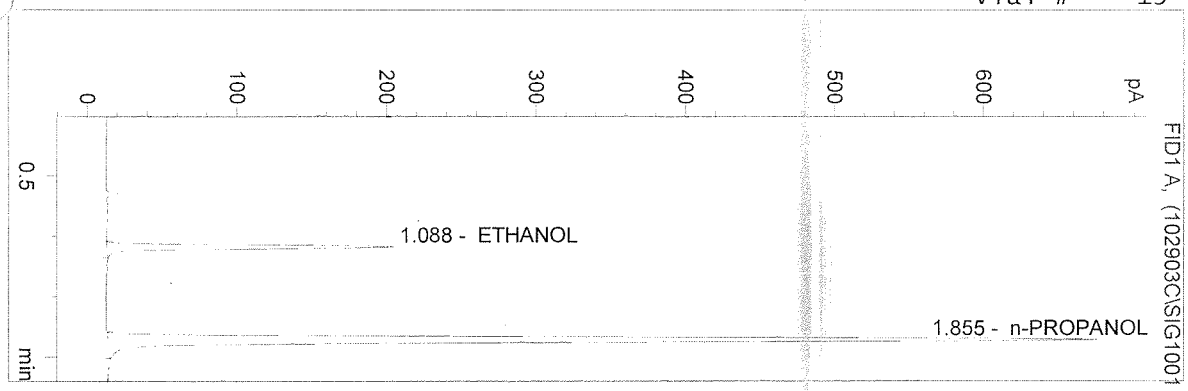
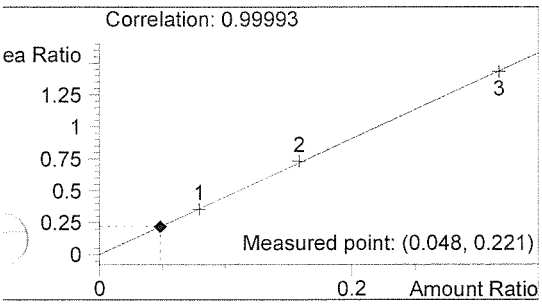
03036 --EF
BRIAN CAPRON

vial # 19

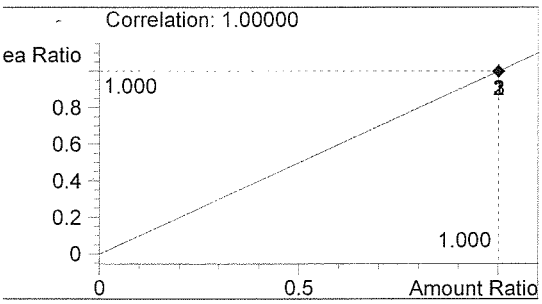


#	Compound	Area	RT
1	ETHANOL	426	1.088
2	n-PROPANOL	1928	1.855

Totals:



ETHANOL 0.048 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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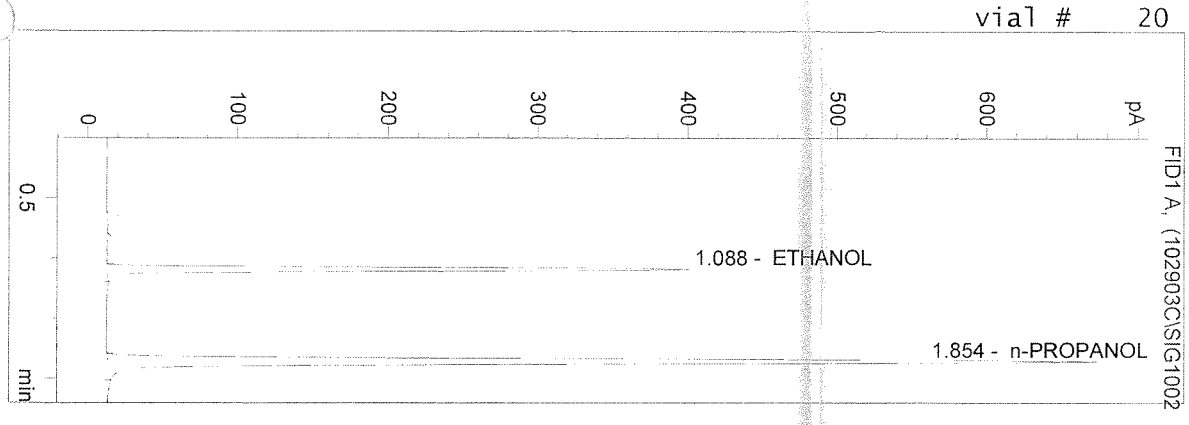
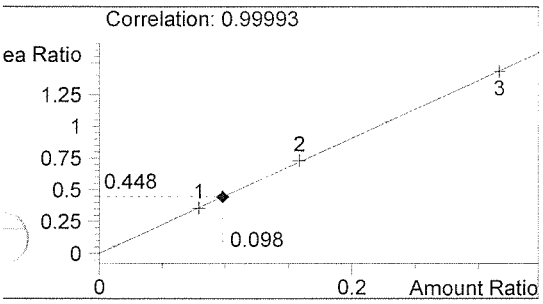
0.10 CONT - EF
BRIAN CAPRON

vial # 20

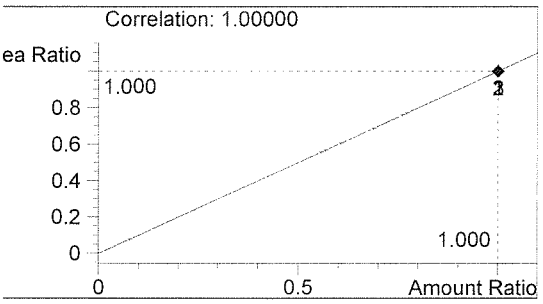


#	Compound	Area	RT
1	ETHANOL	858	1.088
2	n-PROPANOL	1915	1.854

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

\HPCHEM\1\METHODS\BLDALCO.M
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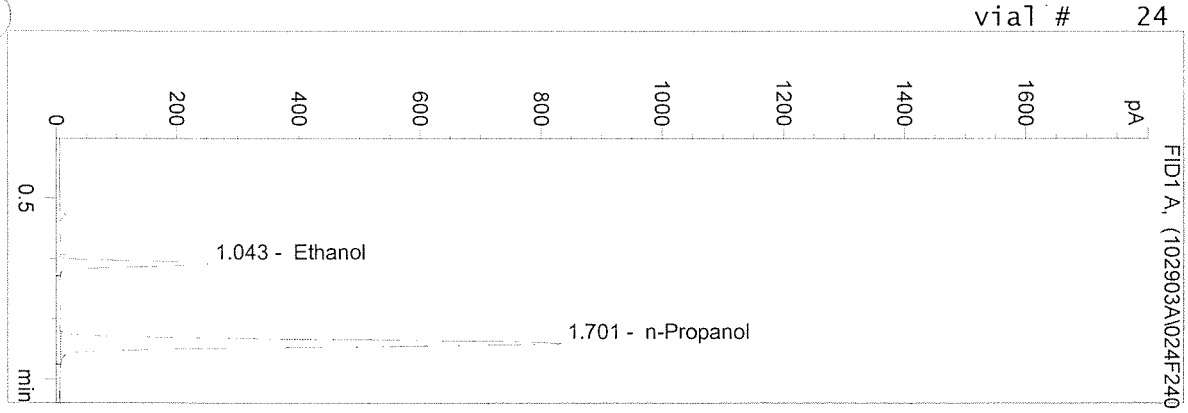
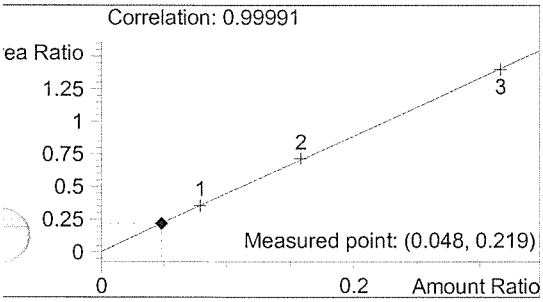
0.04 QA 03036
BRIAN CAPRON

vial # 24

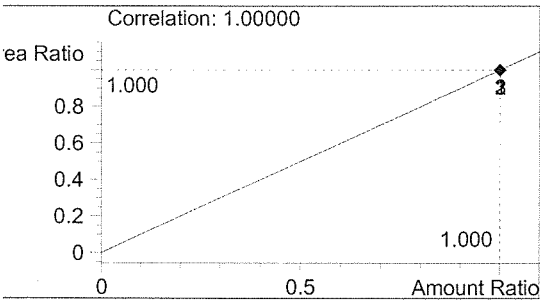


#	Compound	Area	RT
1	Ethanol	768	1.043
2	n-Propanol	3513	1.701

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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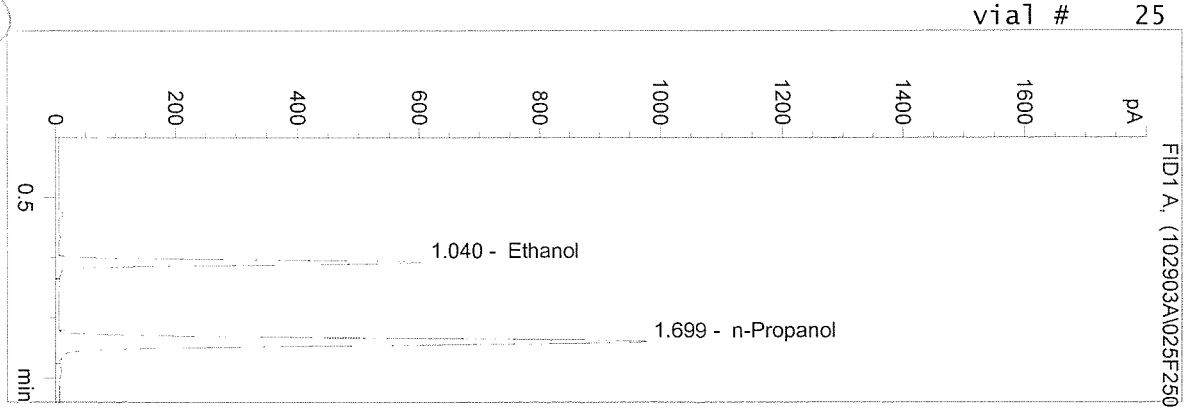
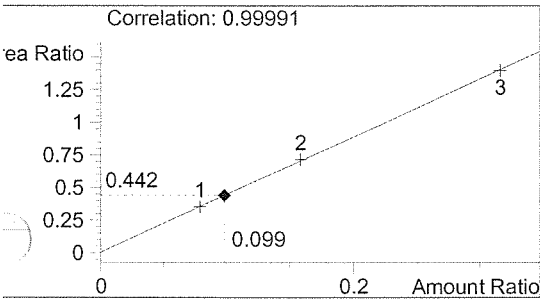
0.10 CONTROL
BRIAN CAPRON

vial # 25

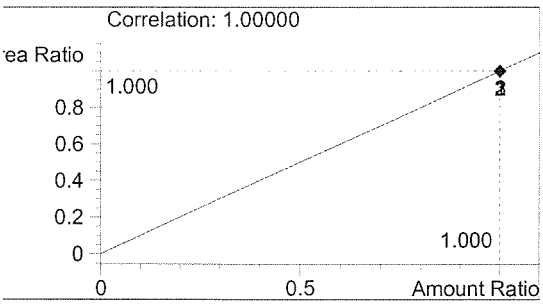


#	Compound	Area	RT
1	Ethanol	1798	1.040
2	n-Propanol	4072	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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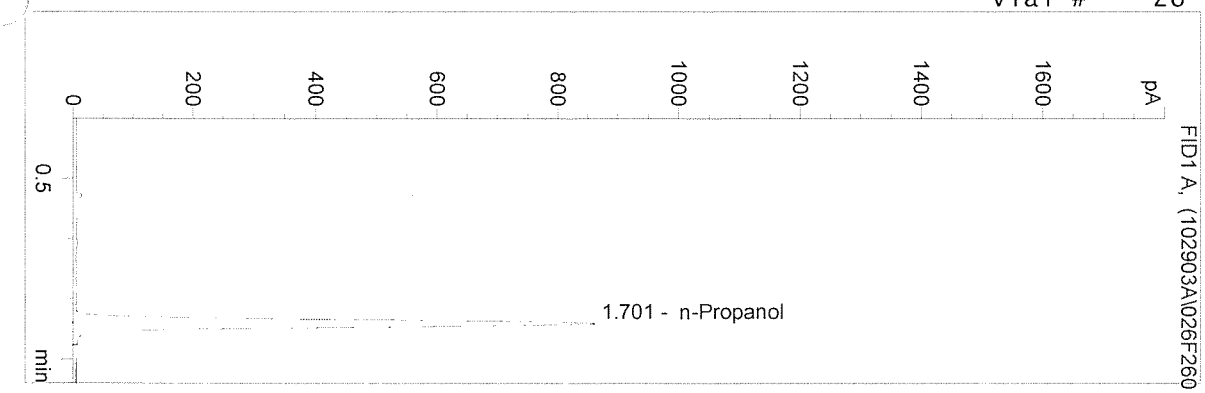
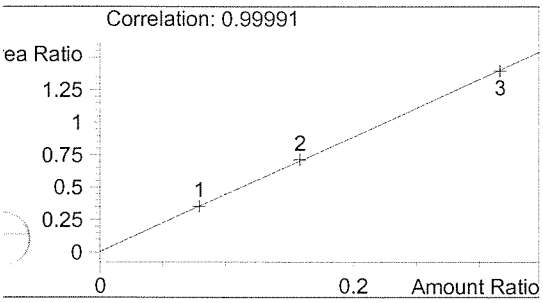
BRIAN CAPRON

vial # 26

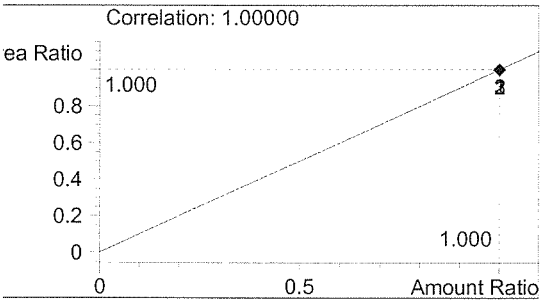


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3636	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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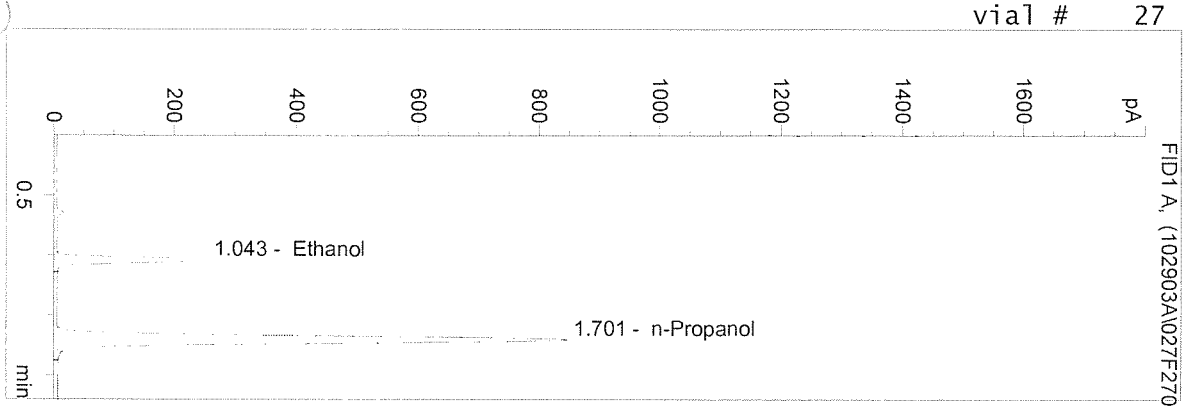
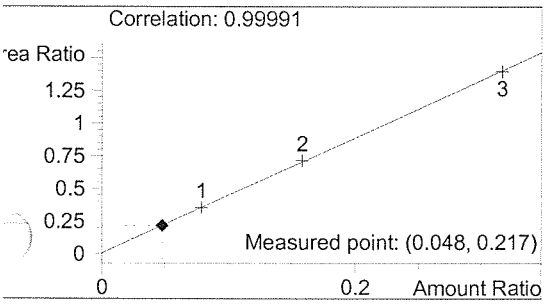
BRIAN CAPRON

vial # 27

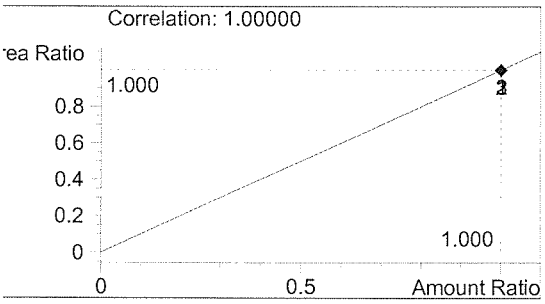


#	Compound	Area	RT
1	Ethanol	775	1.043
2	n-Propanol	3572	1.701

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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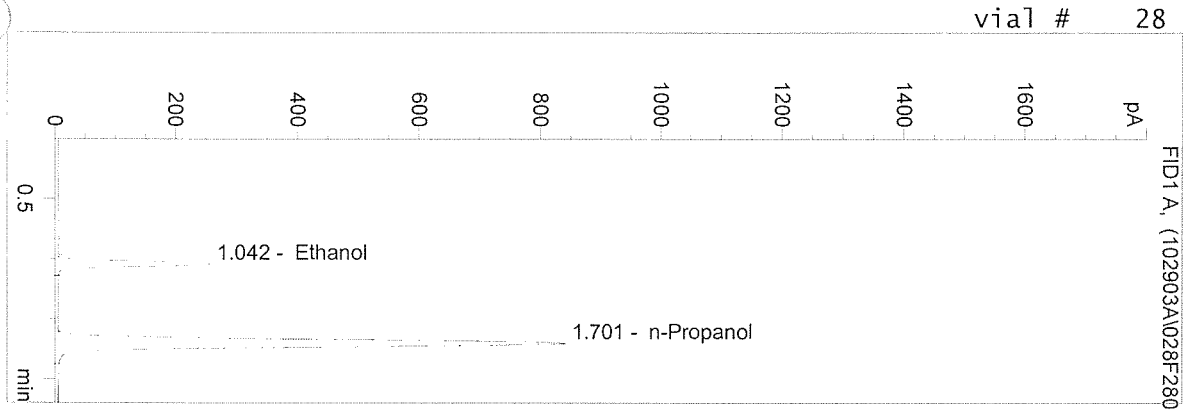
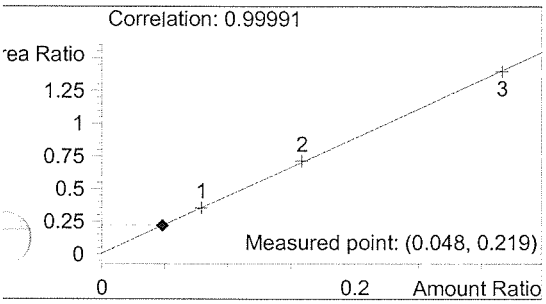
0.04 QA 03036
BRIAN CAPRON

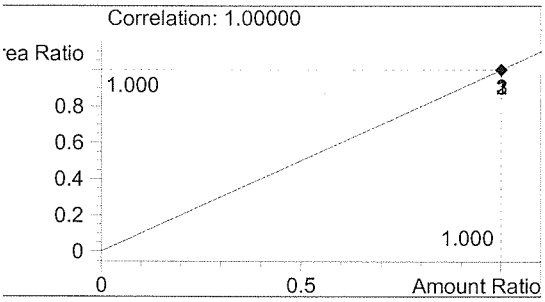
vial # 28



#	Compound	Area	RT
1	Ethanol	774	1.042
2	n-Propanol	3539	1.701
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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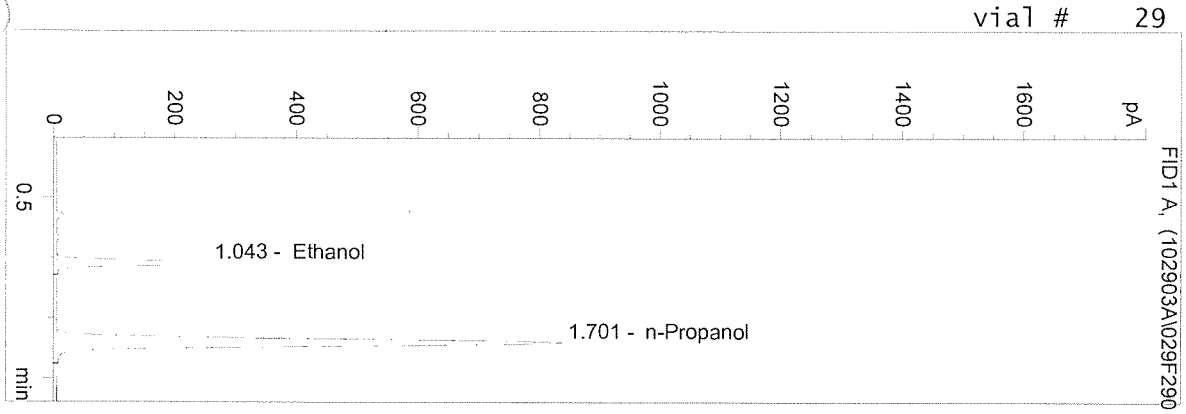
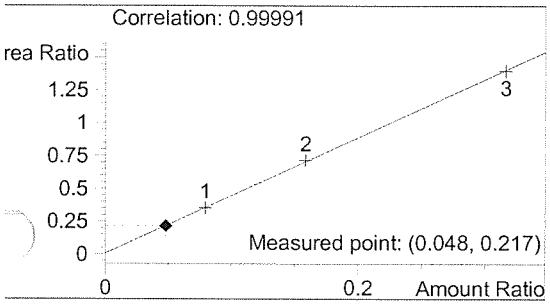
BRIAN CAPRON

vial # 29

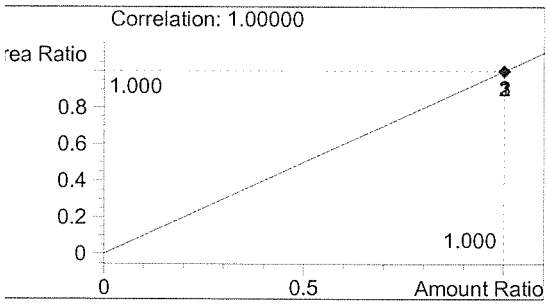


#	Compound	Area	RT
1	Ethanol	765	1.043
2	n-Propanol	3521	1.701

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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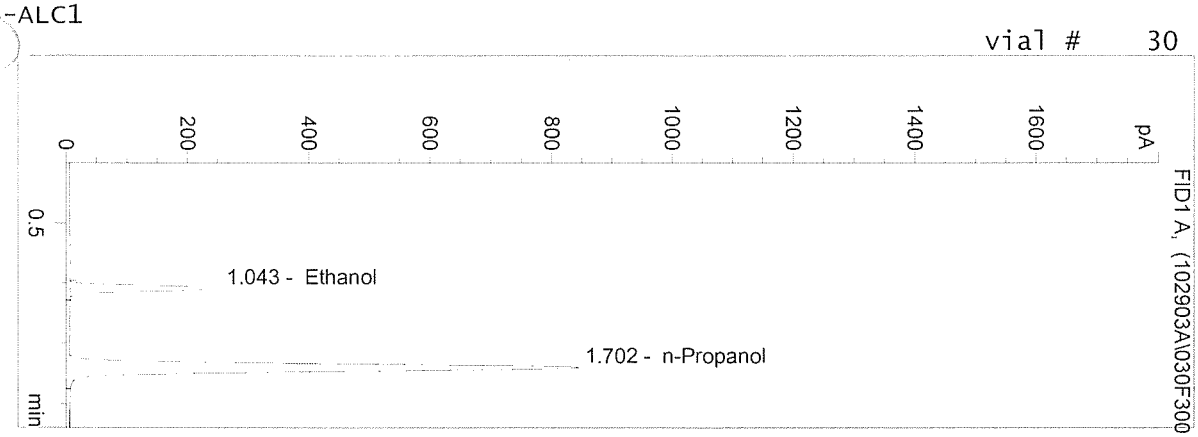
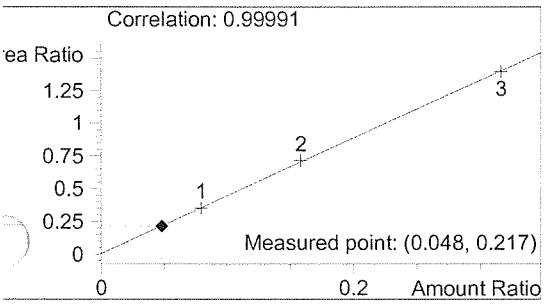
0.04 QA 03036
BRIAN CAPRON

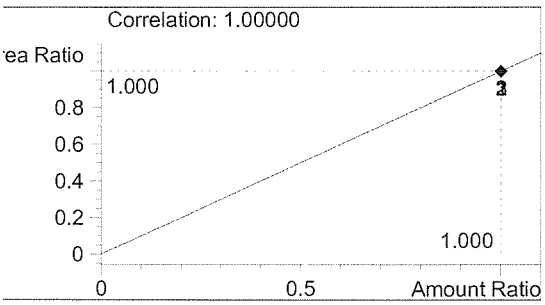
vial # 30



#	Compound	Area	RT
1	Ethanol	776	1.043
2	n-Propanol	3571	1.702
Totals:			



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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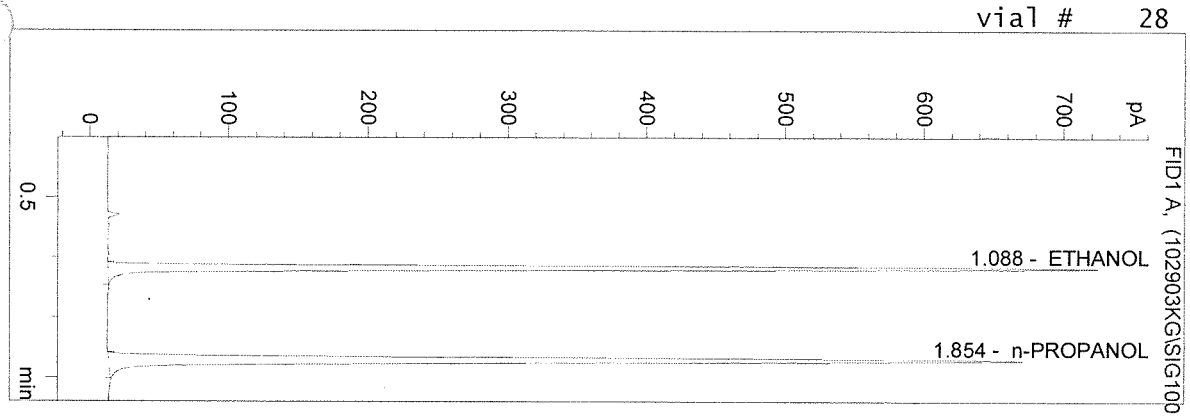
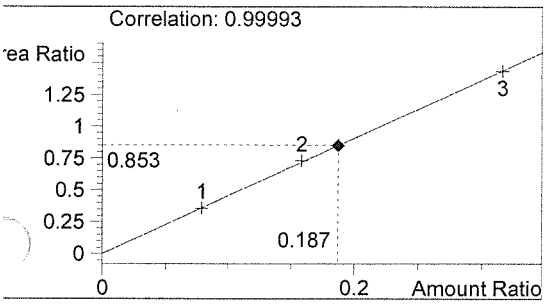
03037 QA
Kari Gruendell

vial # 28

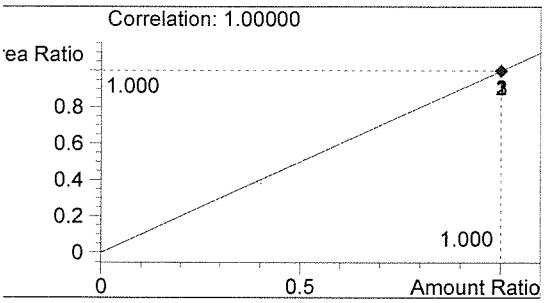


#	Compound	Area	RT
1	ETHANOL	1642	1.088
2	n-PROPANOL	1925	1.854

Totals:



ETHANOL 0.187 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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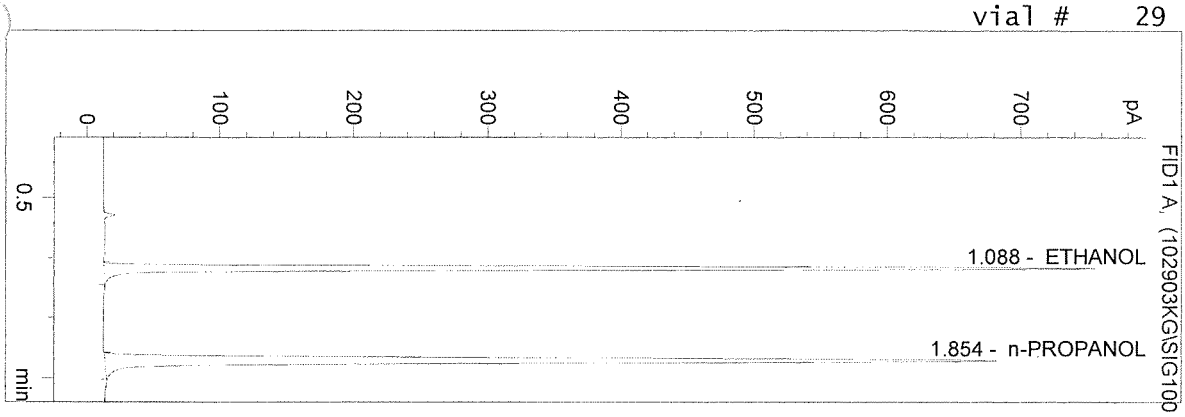
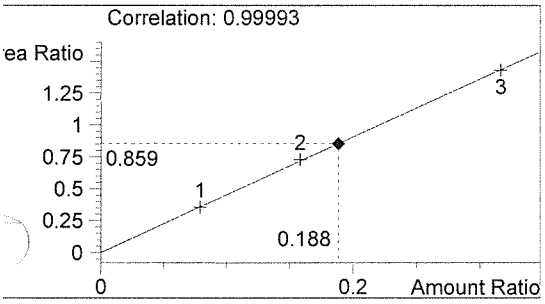
03037 QA
Kari Gruendell

vial # 29

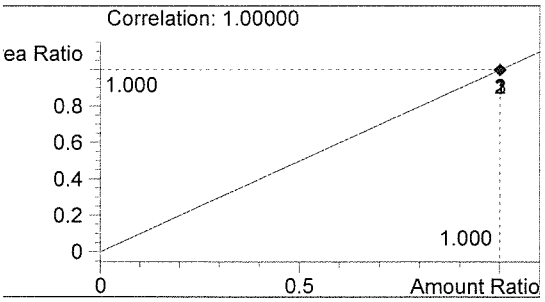


#	Compound	Area	RT
1	ETHANOL	1676	1.088
2	n-PROPANOL	1951	1.854

Totals:



ETHANOL 0.188 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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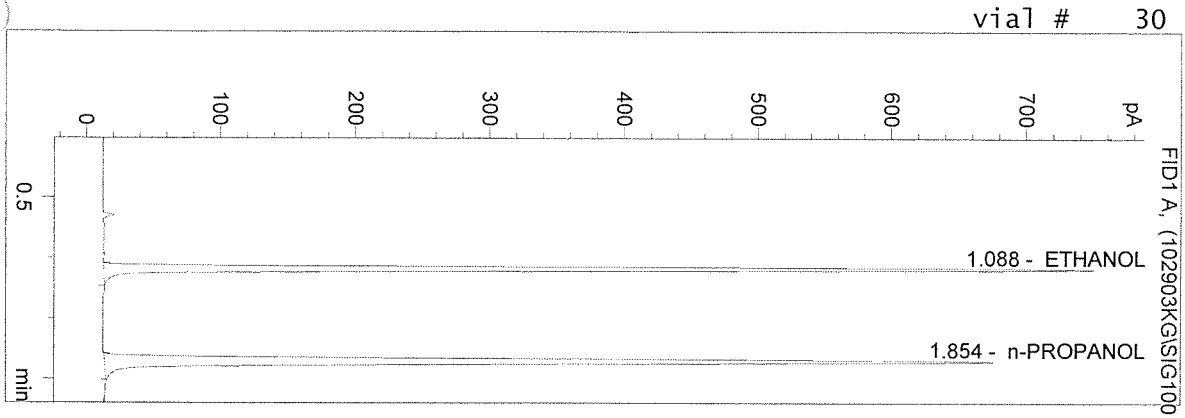
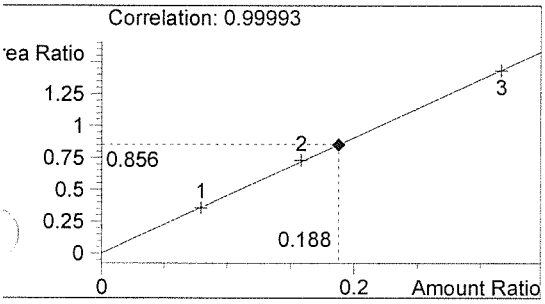
03037 QA
Kari Gruendell

vial # 30

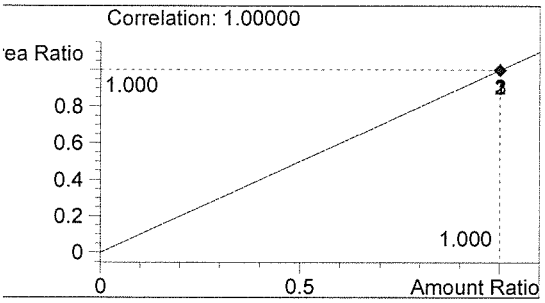


#	Compound	Area	RT
1	ETHANOL	1652	1.088
2	n-PROPANOL	1931	1.854

Totals:



ETHANOL 0.188 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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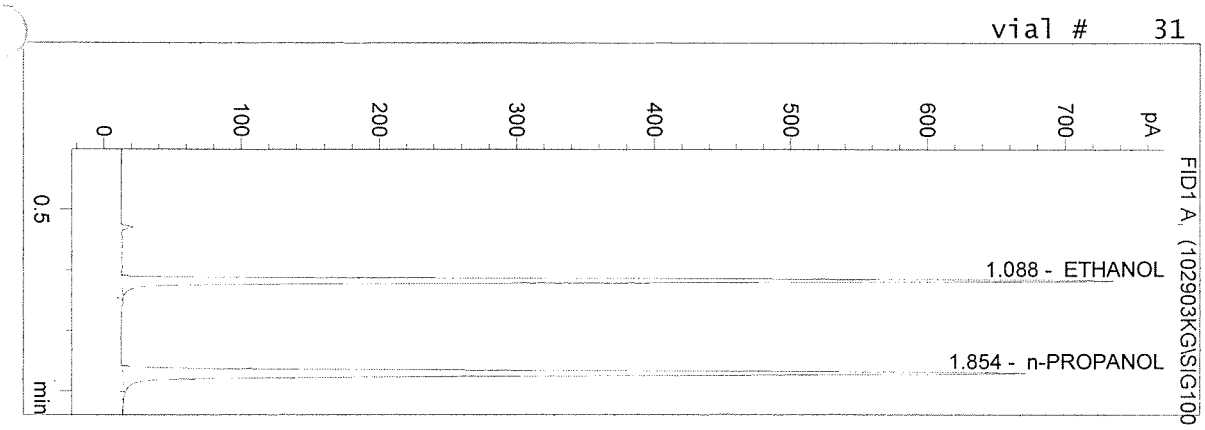
ıstrument 3

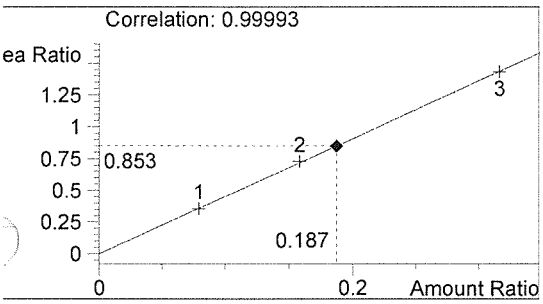
03037 QA
Kari Gruendell

vial # 31

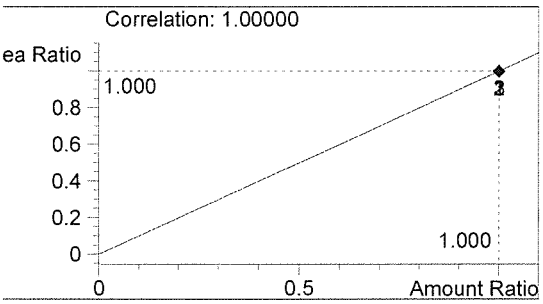


#	Compound	Area	RT
1	ETHANOL	1635	1.088
2	n-PROPANOL	1918	1.854

Totals:



ETHANOL 0.187 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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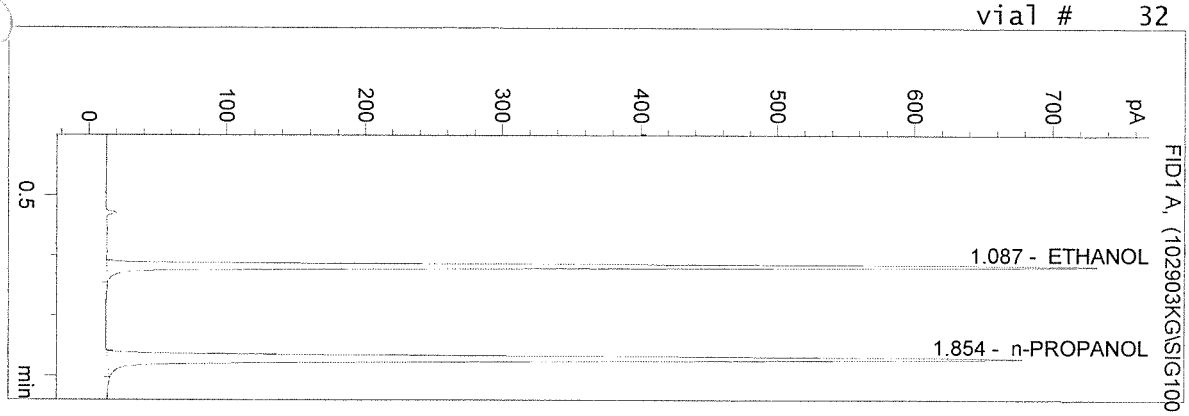
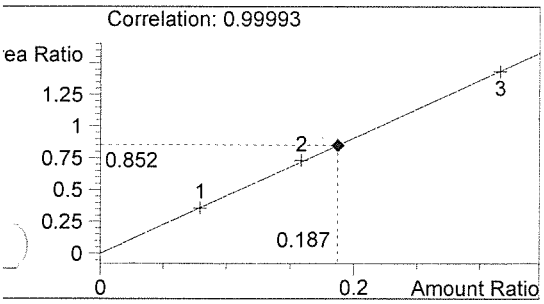
03037 QA
Kari Gruendell

vial # 32

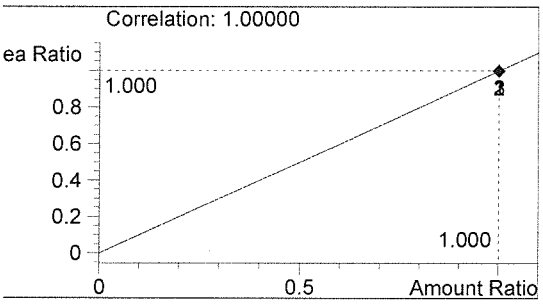


#	Compound	Area	RT
1	ETHANOL	1663	1.087
2	n-PROPANOL	1950	1.854

Totals:



ETHANOL 0.187 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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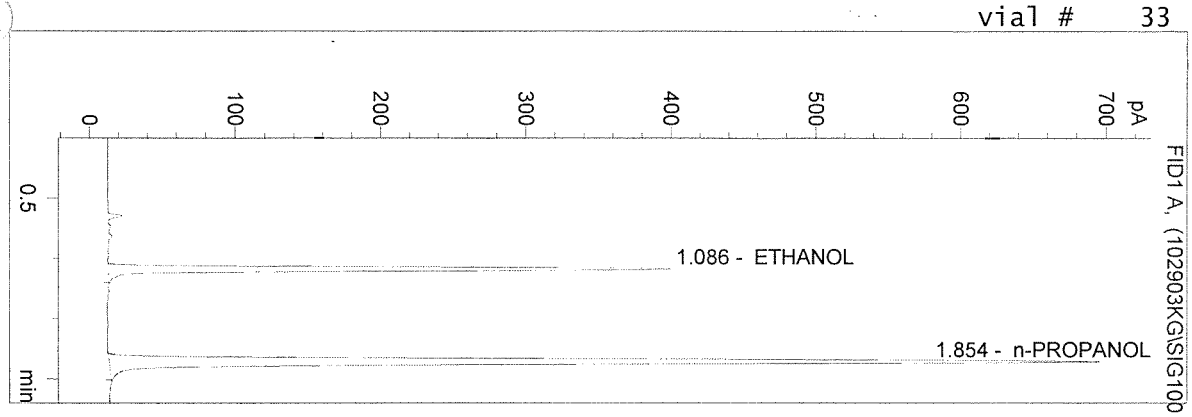
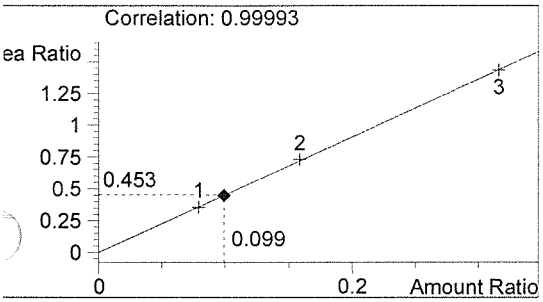
0.10 CONTROL
Kari Gruendell

vial # 33

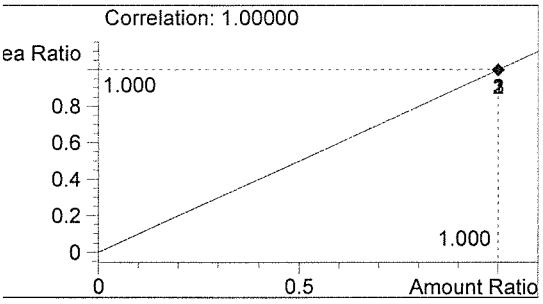


#	Compound	Area	RT
1	ETHANOL	911	1.086
2	n-PROPANOL	2013	1.854

Totals:



ETHANOL 0.099 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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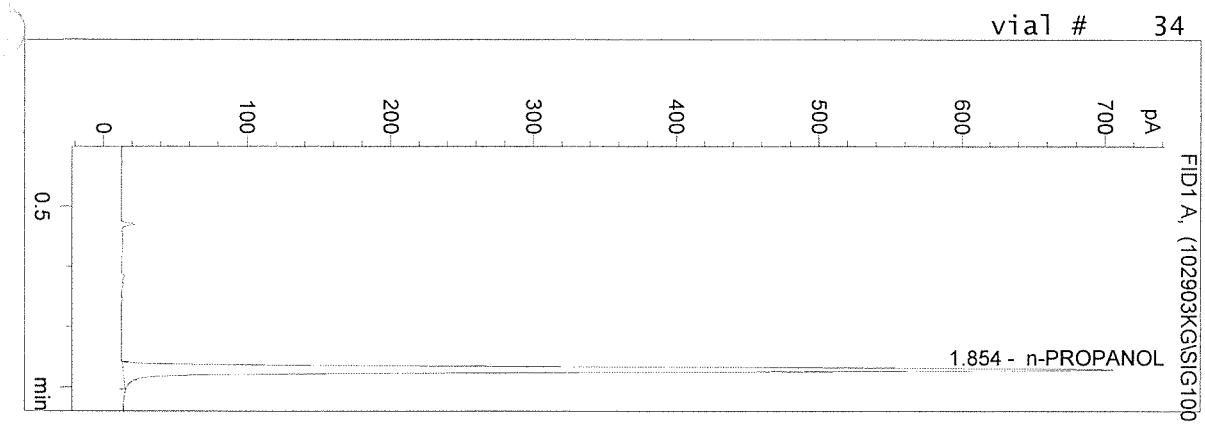
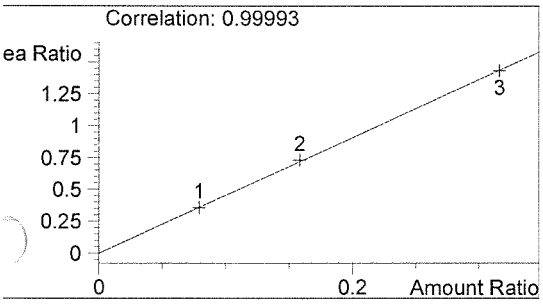
Kari Gruendell

vial # 34

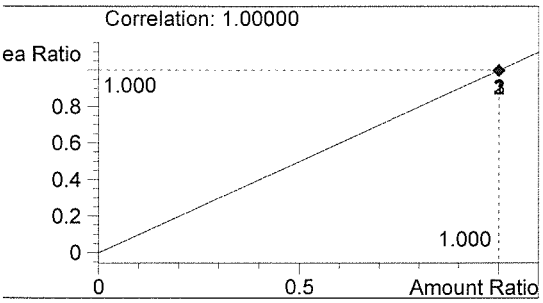


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2032	1.854

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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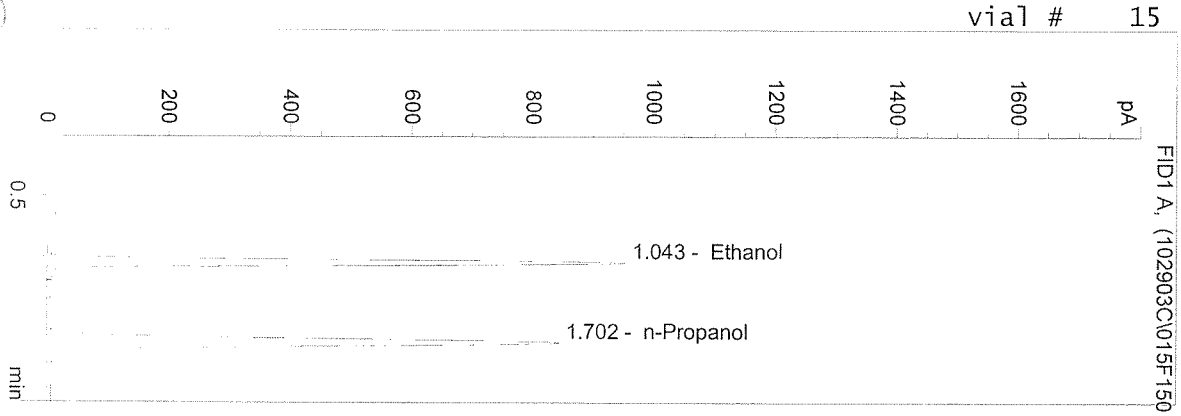
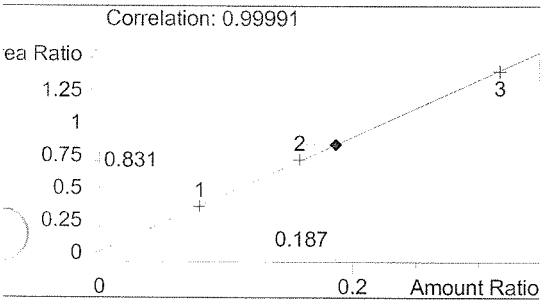
03037 - EF
BRIAN CAPRON

vial # 15

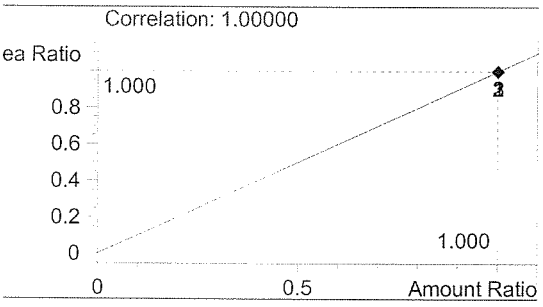


#	Compound	Area	RT
1	Ethanol	2959	1.043
2	n-Propanol	3563	1.702

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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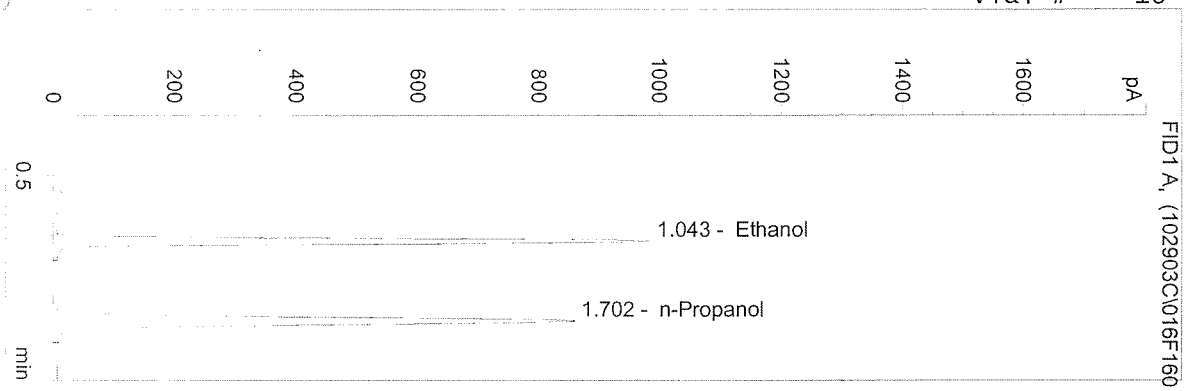
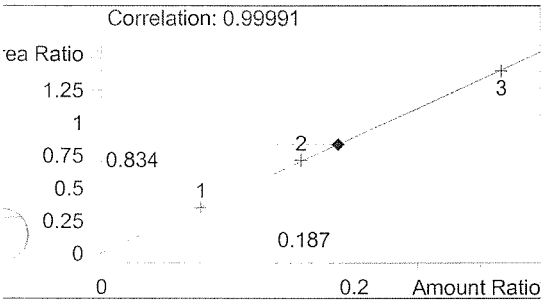
03037 - EF
BRIAN CAPRON

vial # 16

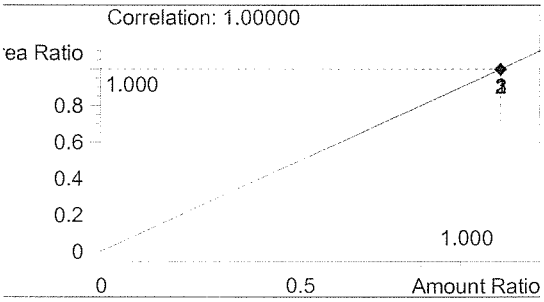


#	Compound	Area	RT
1	Ethanol	3026	1.043
2	n-Propanol	3627	1.702

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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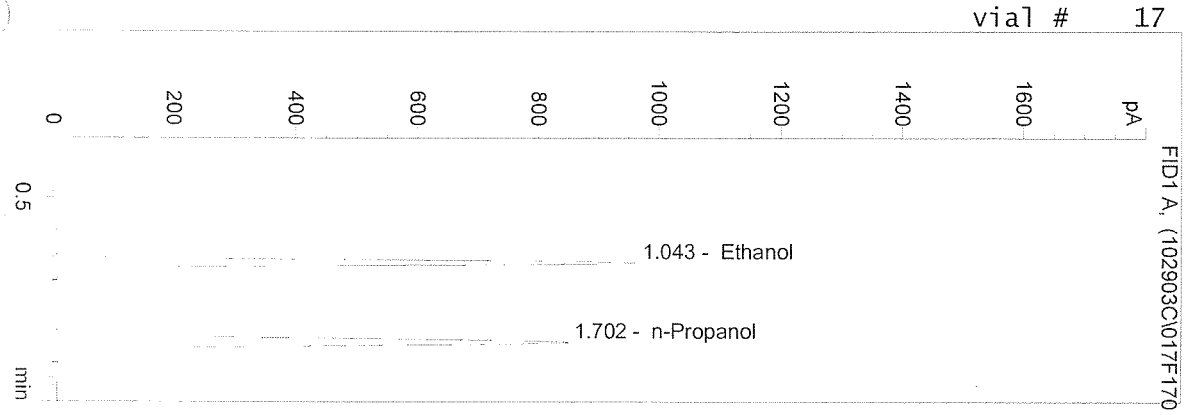
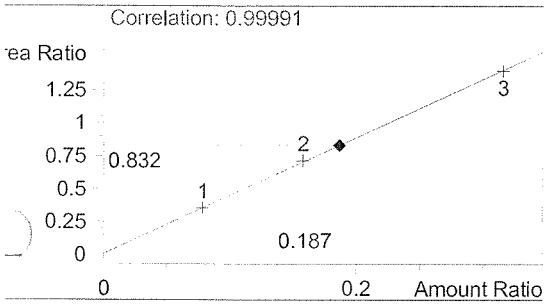
03037 - EF
BRIAN CAPRON

vial # 17

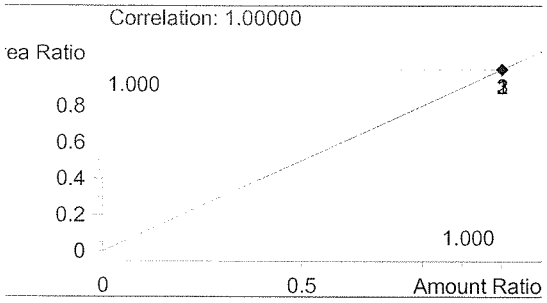


#	Compound	Area	RT
1	Ethanol	2987	1.043
2	n-Propanol	3591	1.702

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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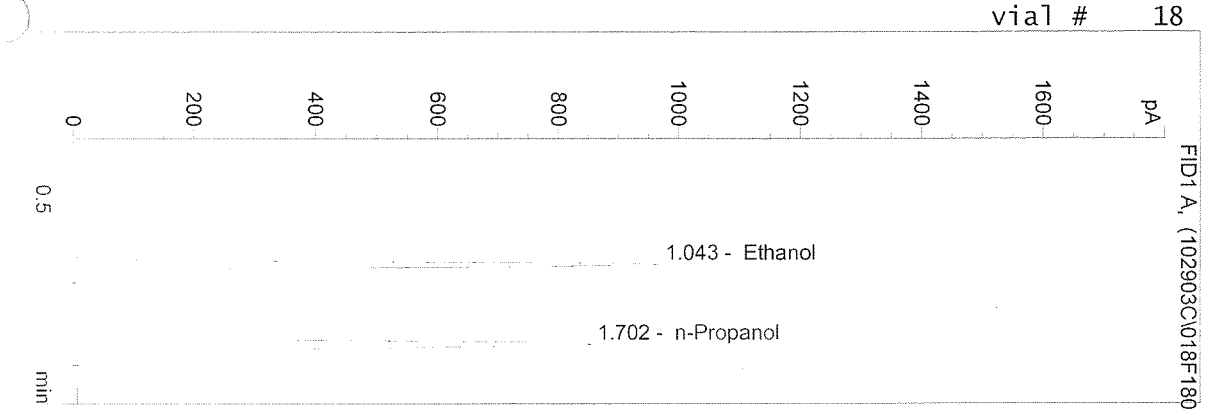
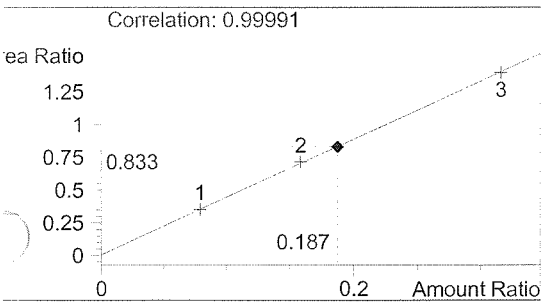
03037 - EF
BRIAN CAPRON

vial # 18

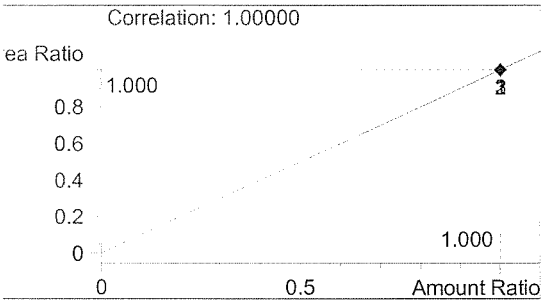


#	Compound	Area	RT
1	Ethanol	3011	1.043
2	n-Propanol	3616	1.702

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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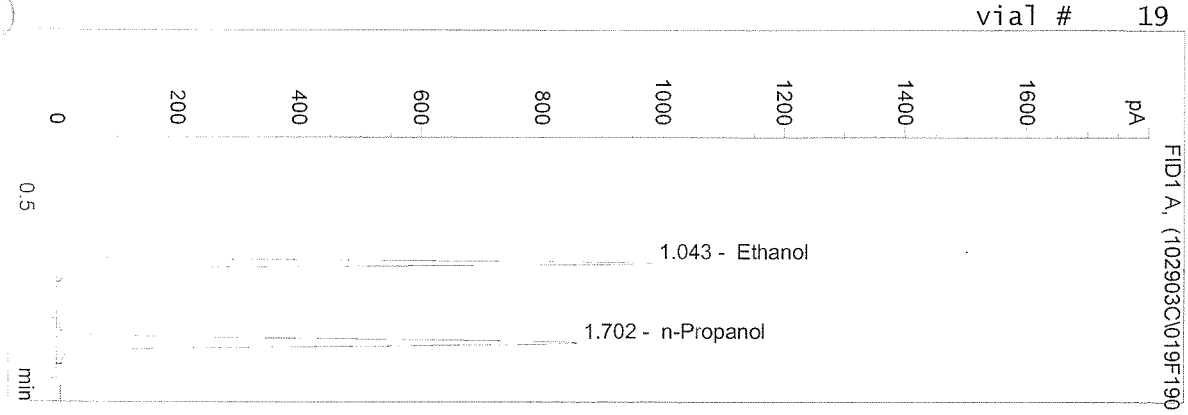
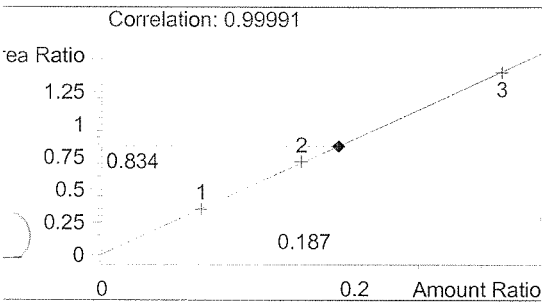
03037 - EF
BRIAN CAPRON

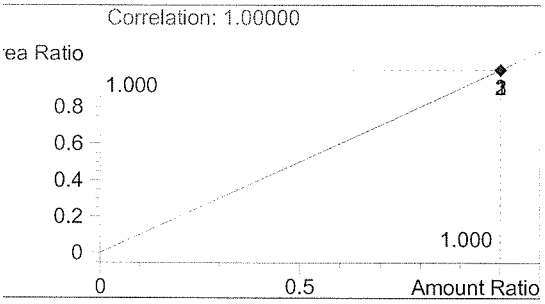
vial # 19



#	Compound	Area	RT
1	Ethanol	3019	1.043
2	n-Propanol	3618	1.702
Totals:			



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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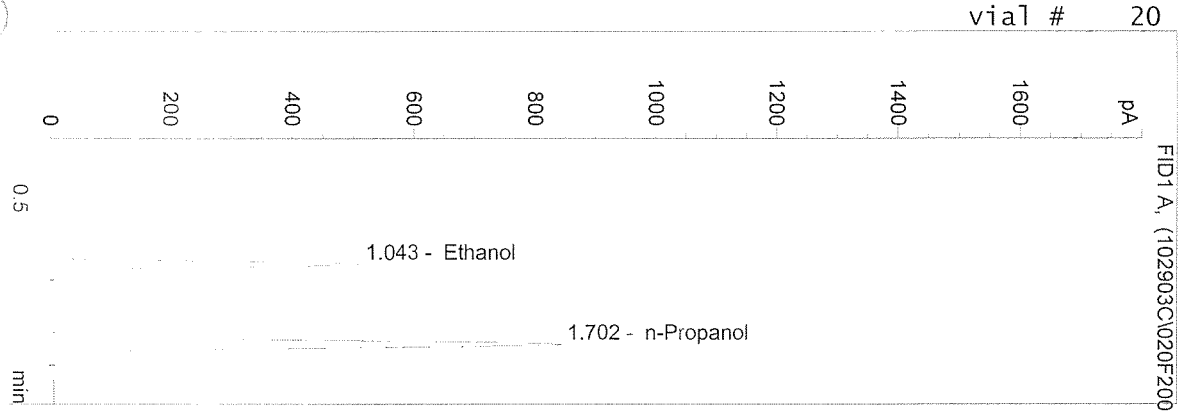
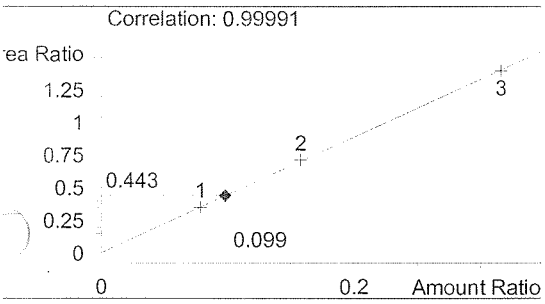
BRIAN CAPRON

vial # 20

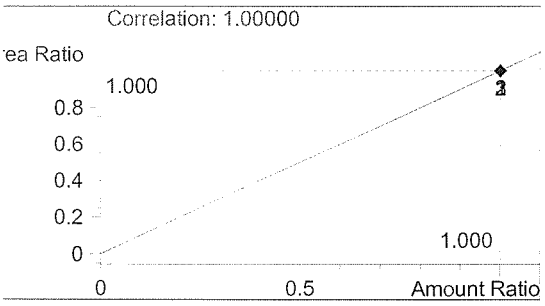


#	Compound	Area	RT
1	Ethanol	1580	1.043
2	n-Propanol	3564	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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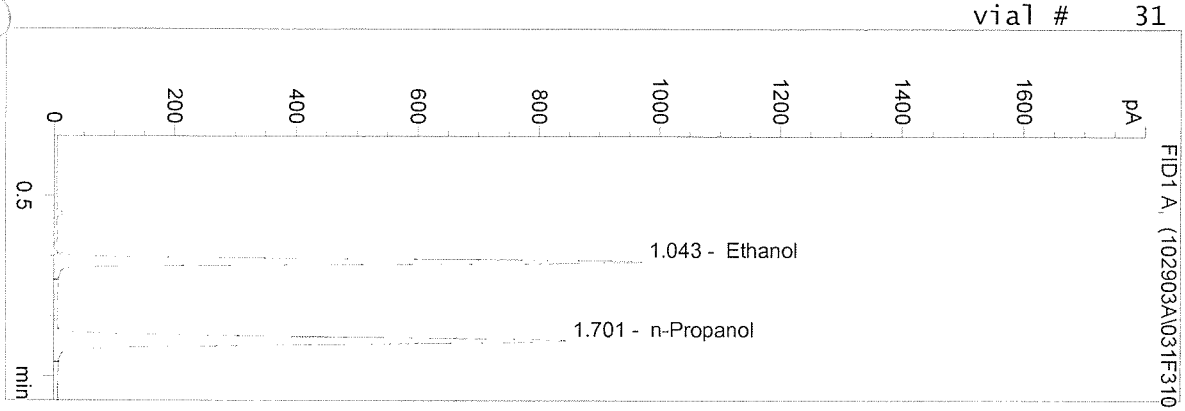
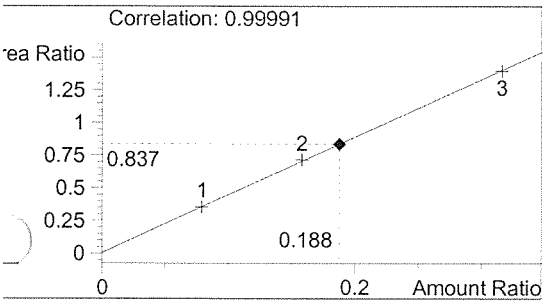
BRIAN CAPRON

vial # 31

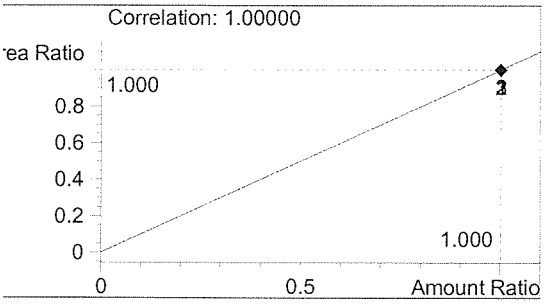


#	Compound	Area	RT
1	Ethanol	2972	1.043
2	n-Propanol	3552	1.701

Totals:



Ethanol 0.188 g/100ml



n-Propanol 1.000 g/100ml

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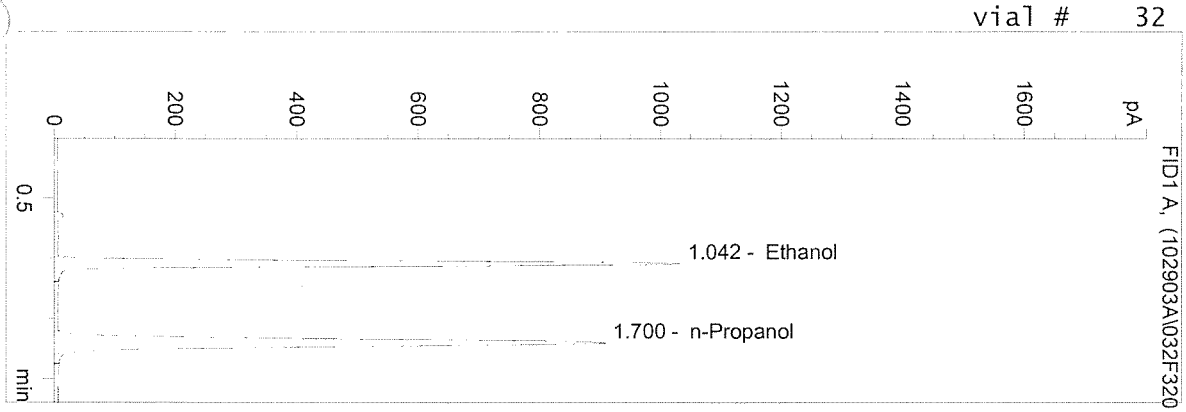
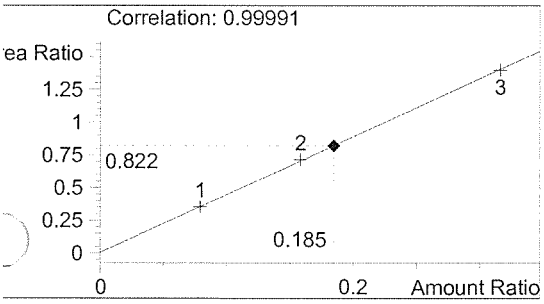
BRIAN CAPRON

vial # 32

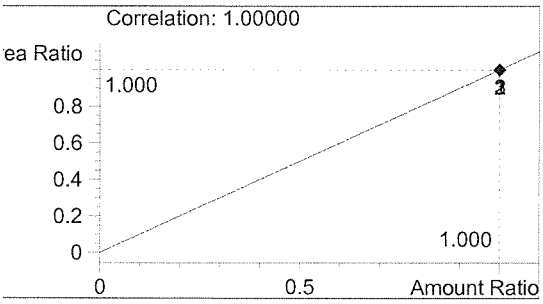


#	Compound	Area	RT
1	Ethanol	3132	1.042
2	n-Propanol	3811	1.700

Totals:



Ethanol 0.185 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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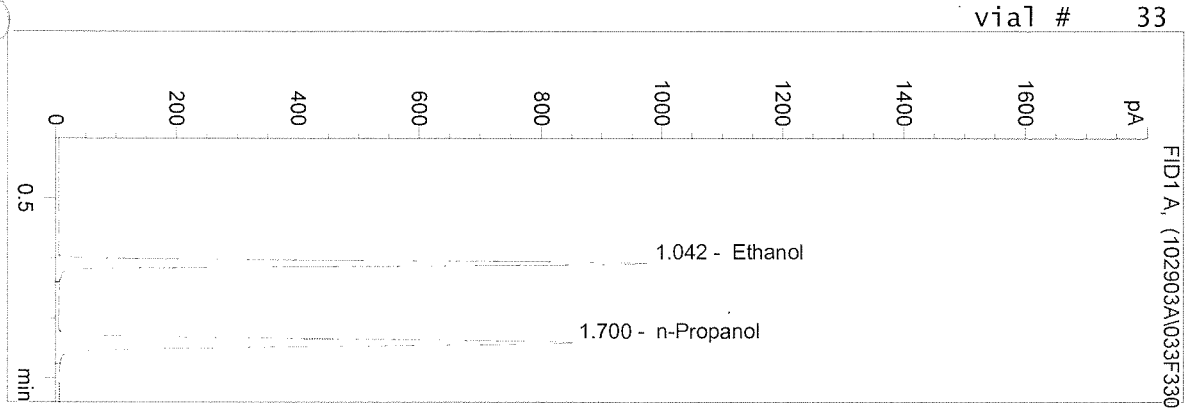
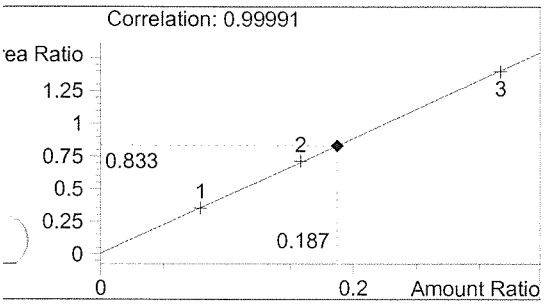
BRIAN CAPRON

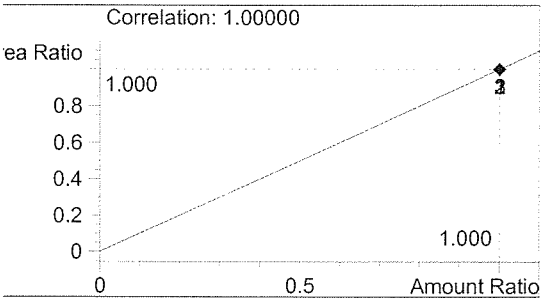
vial # 33



#	Compound	Area	RT
1	Ethanol	2980	1.042
2	n-Propanol	3576	1.700
Totals:			



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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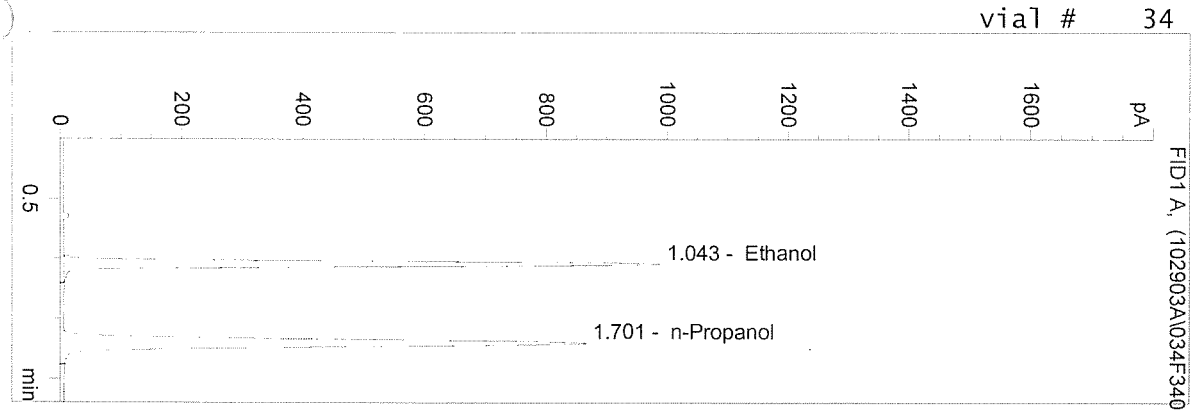
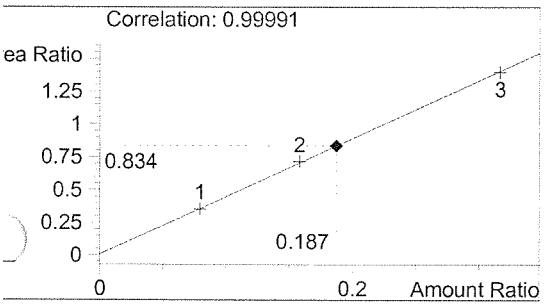
BRIAN CAPRON

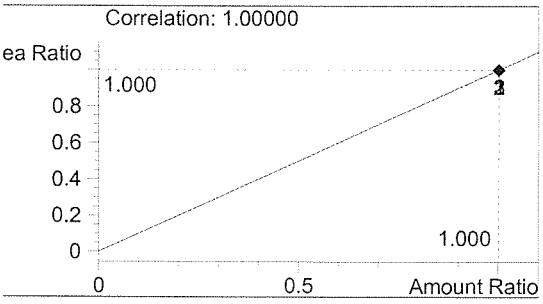
vial # 34



#	Compound	Area	RT
1	Ethanol	3039	1.043
2	n-Propanol	3644	1.701
Totals:			



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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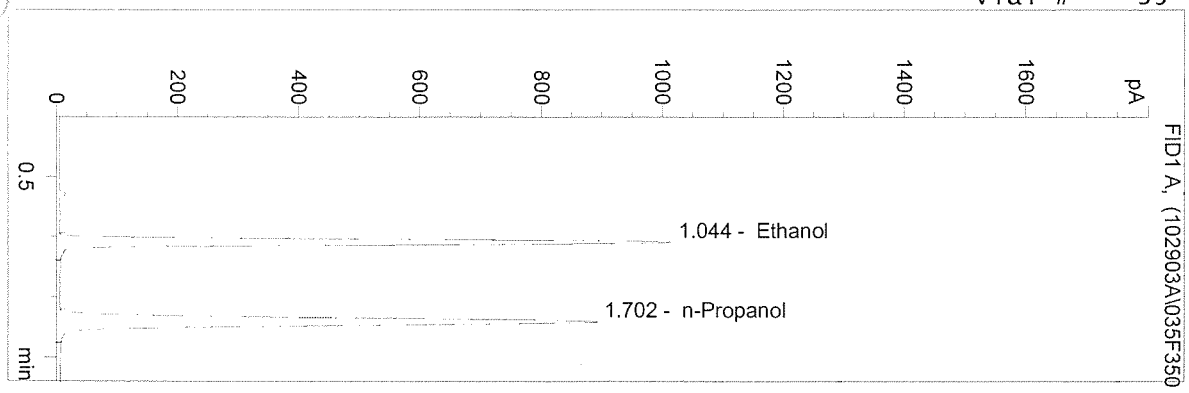
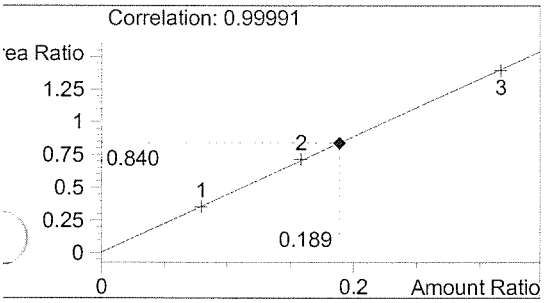
BRIAN CAPRON

vial # 35

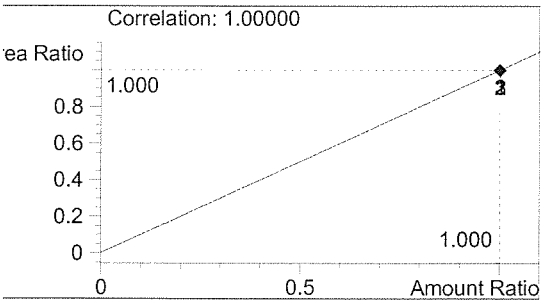


#	Compound	Area	RT
1	Ethanol	3178	1.044
2	n-Propanol	3785	1.702

Totals:



Ethanol 0.189 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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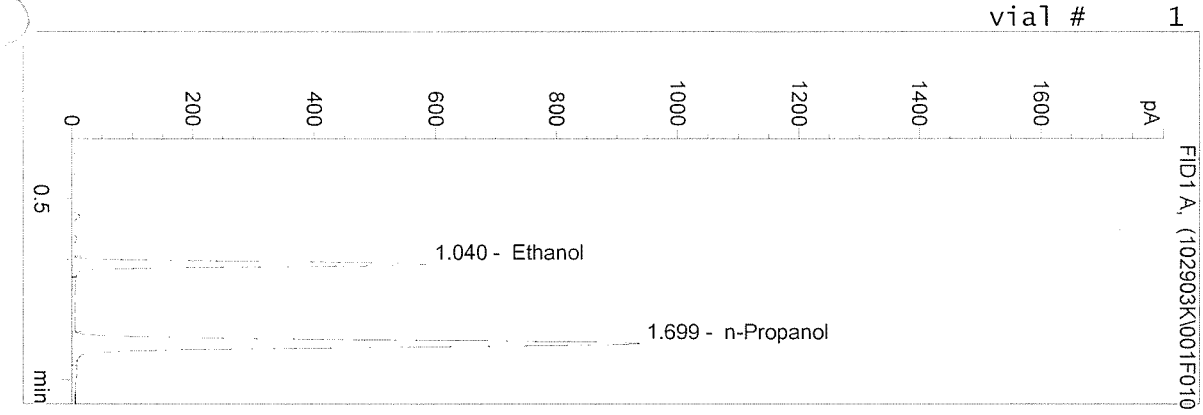
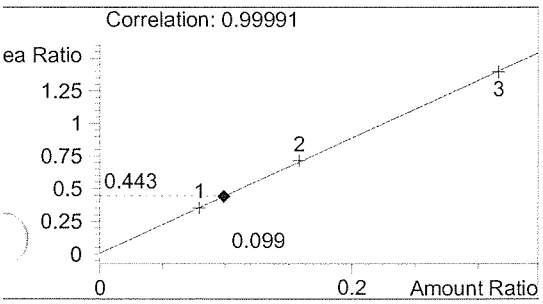
Kari Gruendell

vial # 1

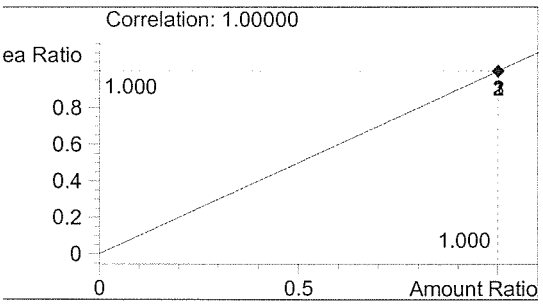


#	Compound	Area	RT
1	Ethanol	1733	1.040
2	n-Propanol	3910	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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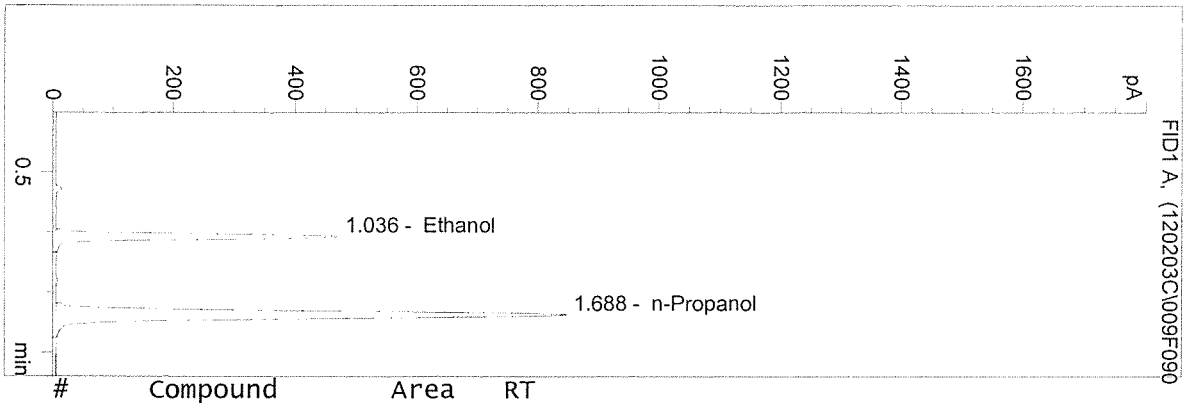
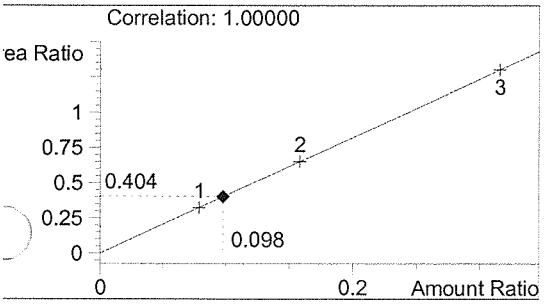
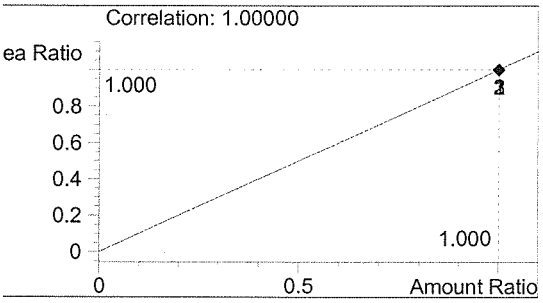
vial # 9



#	Compound	Area	RT
1	Ethanol	1442	1.036
2	n-Propanol	3571	1.688
Totals:			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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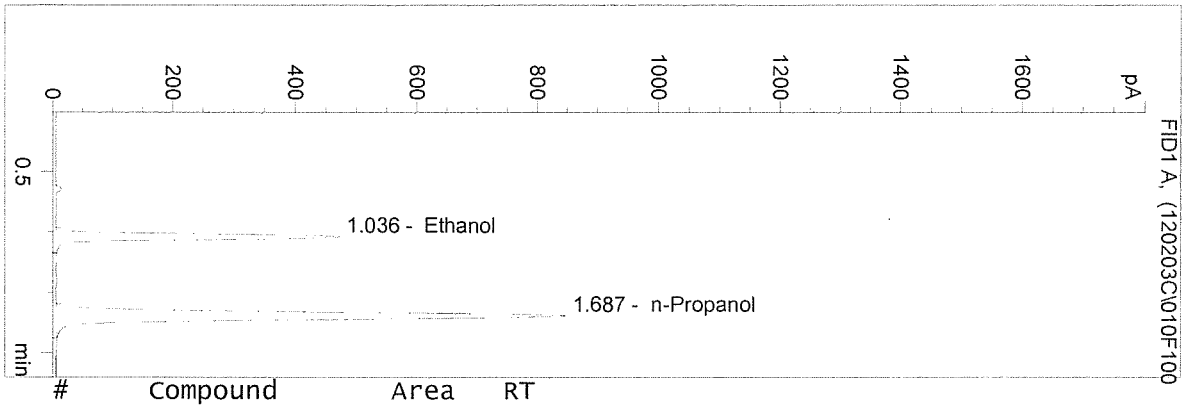
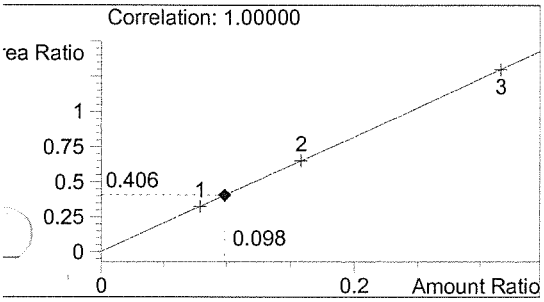
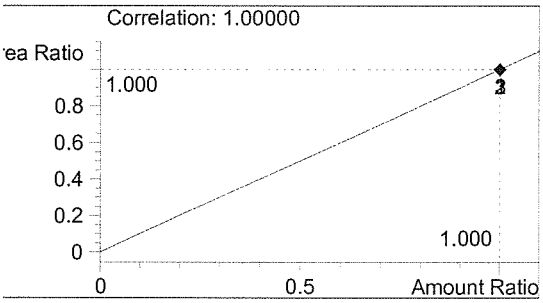
vial # 10



#	Compound	Area	RT
1	Ethanol	1450	1.036
2	n-Propanol	3575	1.687
Totals:			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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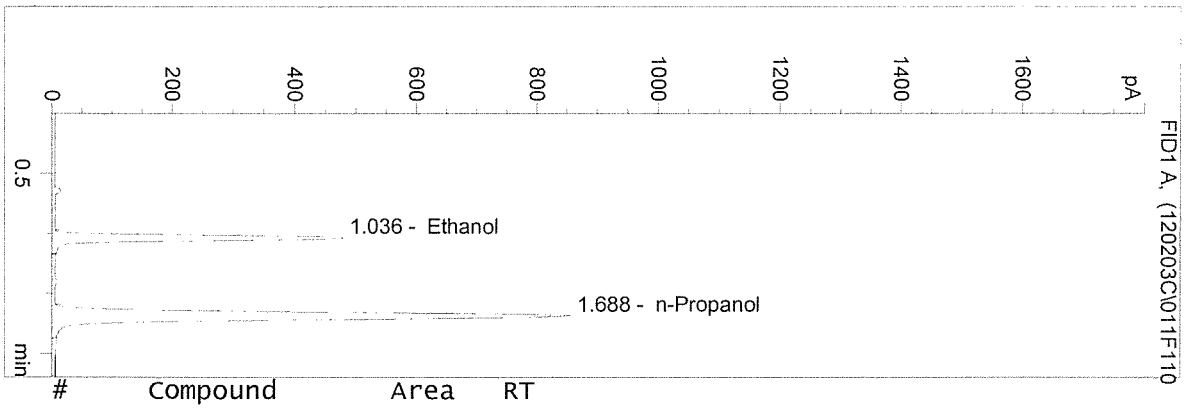
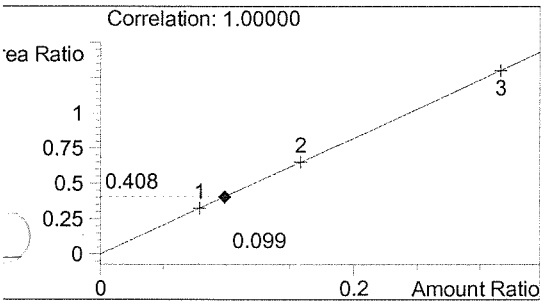
vial # 11

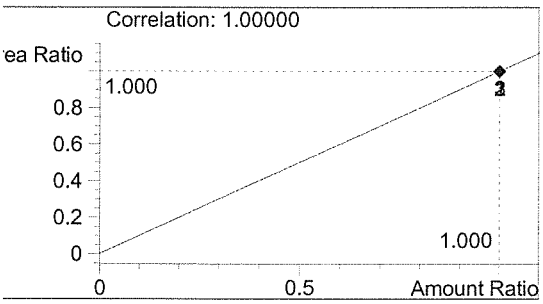


#	Compound	Area	RT
1	Ethanol	1473	1.036
2	n-Propanol	3613	1.688

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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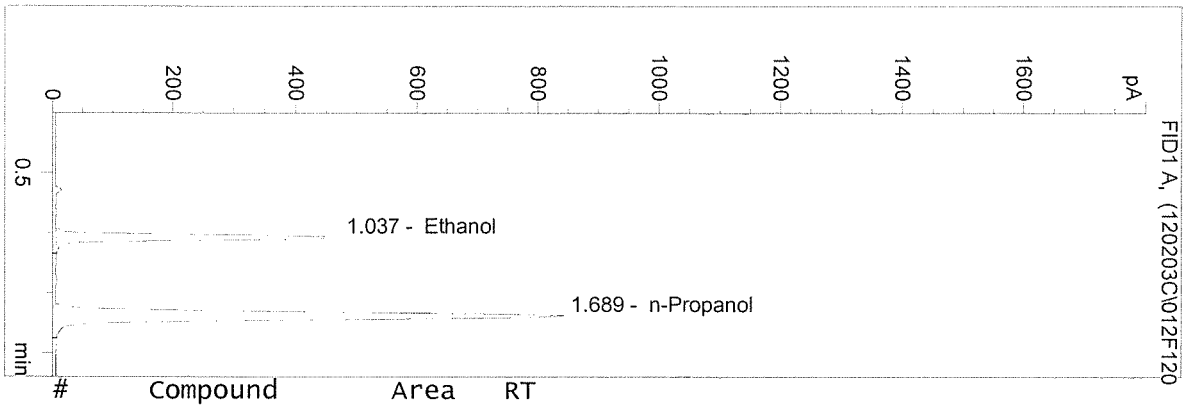
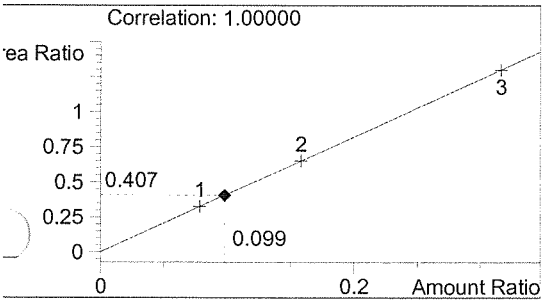
vial # 12

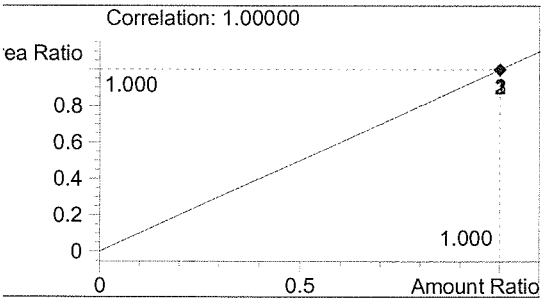


#	Compound	Area	RT
1	Ethanol	1453	1.037
2	n-Propanol	3569	1.689

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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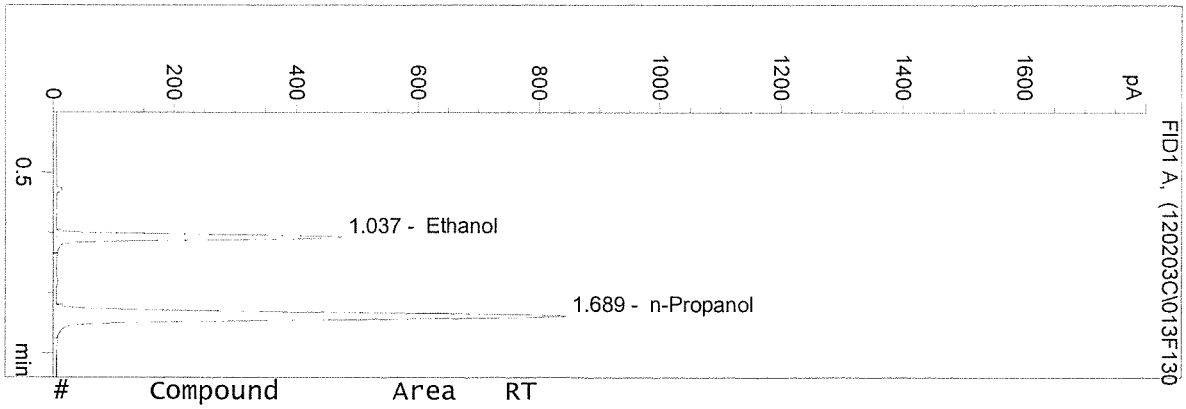
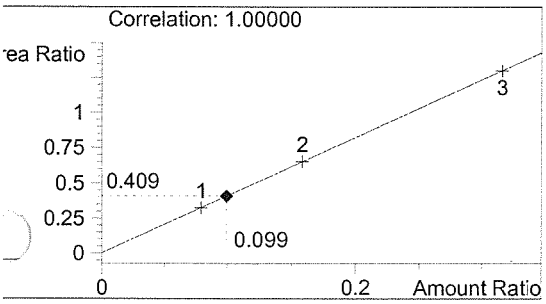
vial # 13

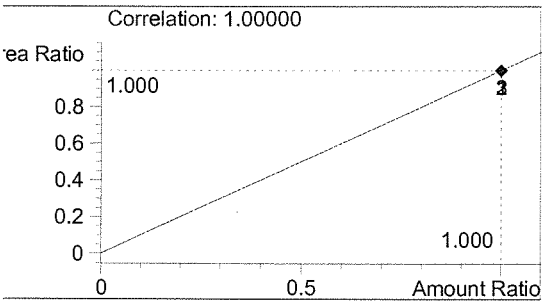


#	Compound	Area	RT
1	Ethanol	1453	1.037
2	n-Propanol	3556	1.689

Totals:



Ethanol 0.099 g/100ml



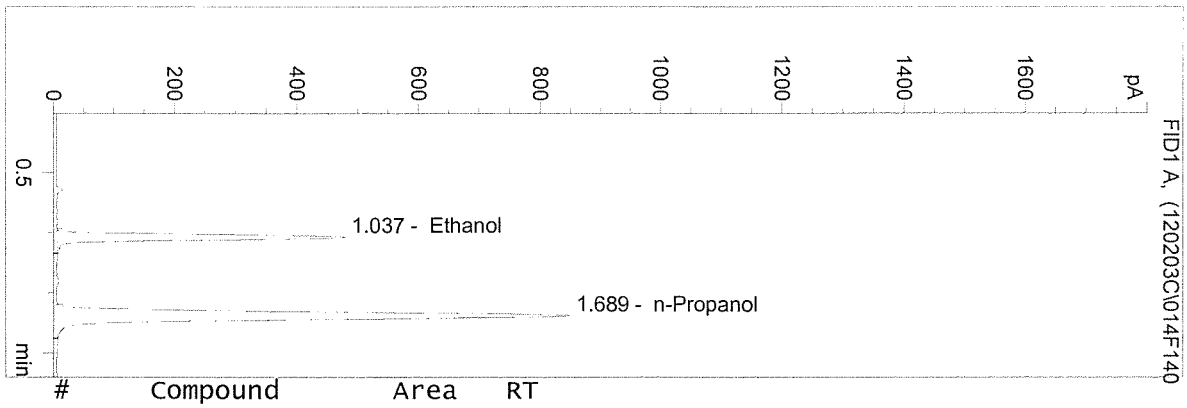
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 11:10:29 AM
istrument 2
-ALC1

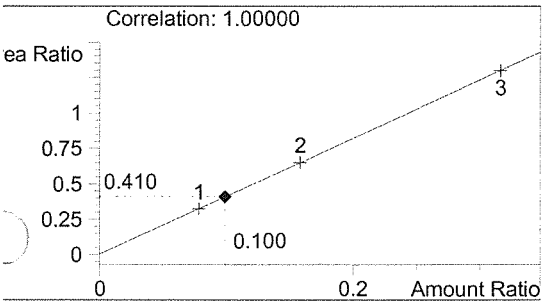
0.10 CONTROL
ED FORMOSO

vial # 14

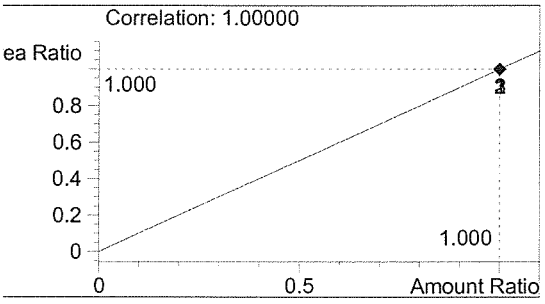


#	Compound	Area	RT
1	Ethanol	1473	1.037
2	n-Propanol	3589	1.689

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

Sequence Parameters:

Operator:	ED FORMOSO
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120203C
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	BLANK	BLDALCO2	1	Sample		
2	2	0.079 CAL	BLDALCO2	1	Calib		
3	3	0.158 CAL	BLDALCO2	1	Calib		
4	4	0.316 CAL	BLDALCO2	1	Calib		
5	5	BLANK	BLDALCO2	1	Sample		
6	6	0.04 CAP	BLDALCO2	1	Ctrl Samp		
7	7	0.20 CONTROL	BLDALCO2	1	Ctrl Samp		
8	8	BLANK	BLDALCO2	1	Sample		
9	9	03038	BLDALCO2	1	Sample		
10	10	03038	BLDALCO2	1	Sample		
11	11	03038	BLDALCO2	1	Sample		
12	12	03038	BLDALCO2	1	Sample		
13	13	03038	BLDALCO2	1	Sample		
14	14	0.10 CONTROL	BLDALCO2	1	Ctrl Samp		
15	15	03039	BLDALCO2	1	Sample		
16	16	03039	BLDALCO2	1	Sample		
17	17	03039	BLDALCO2	1	Sample		
18	18	03039	BLDALCO2	1	Sample		
19	19	03039	BLDALCO2	1	Sample		
20	20	0.10 CONTROL	BLDALCO2	1	Ctrl Samp		

Sequence Table (Back Injector):

No entries - empty table!

Calibration Table

Calib. Data Modified : Tuesday, December 02, 2003 10:41:57 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.040 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.040 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Floating Average New 99%
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ng/ul]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl		Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
1.037	1	1	7.90000e-2		1177.37598	6.70984e-5	1		Ethanol
		2	1.58000e-1		2362.60352	6.68754e-5			
		3	3.16000e-1		4629.68164	6.82552e-5			
1.689	1	1	1.00000		3627.78369	2.75650e-4	I1		n-Propanol
		2	1.00000		3619.52466	2.76279e-4			
		3	1.00000		3560.85645	2.80831e-4			

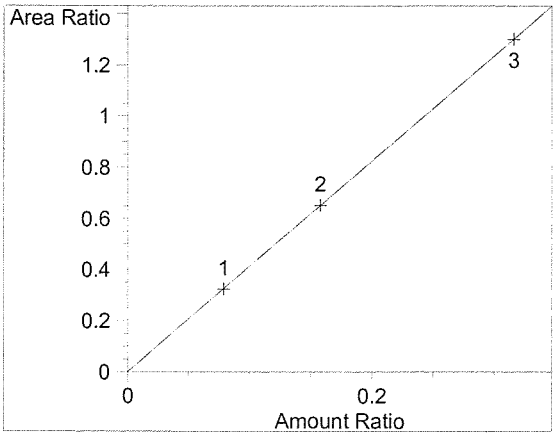
Peak Sum Table

No Entries in table

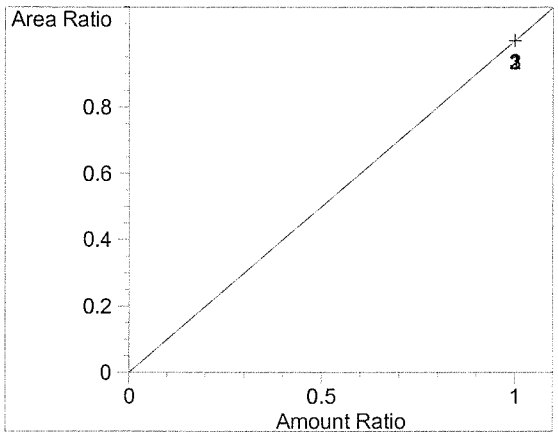
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.037
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00174
Formula: y = mx + b
m: 4.11593
b: 3.33466e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.689
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

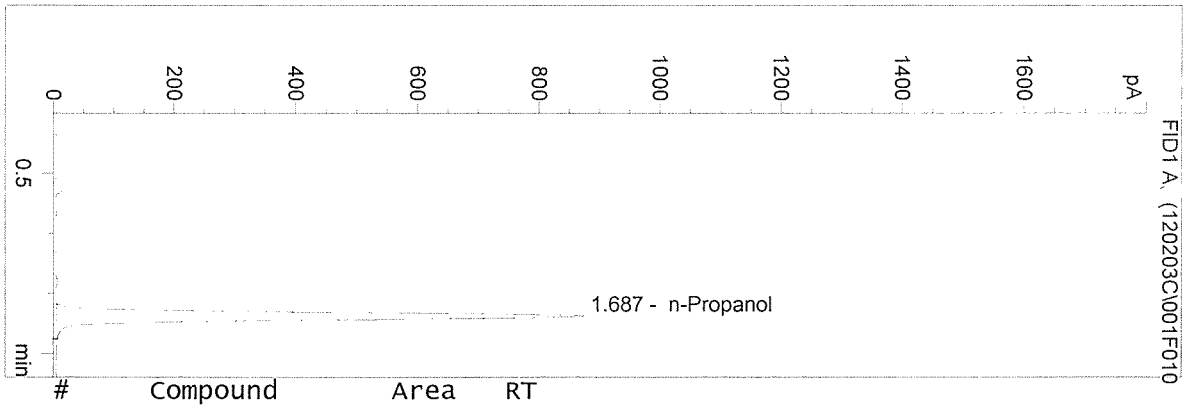
==========

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 10:30:30 AM
ıstrument 2
3-ALC1

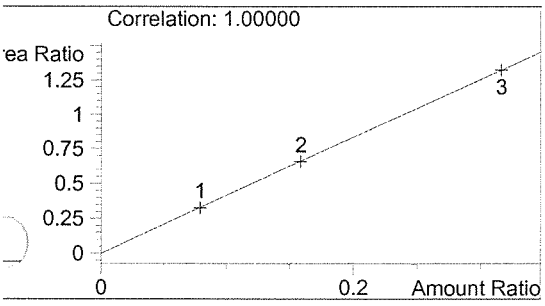
BLANK
ED FORMOSO

vial # 1

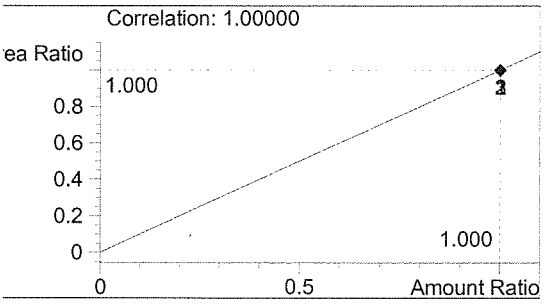


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3691	1.687

Totals:



Ethanol 0.000 g/100ml



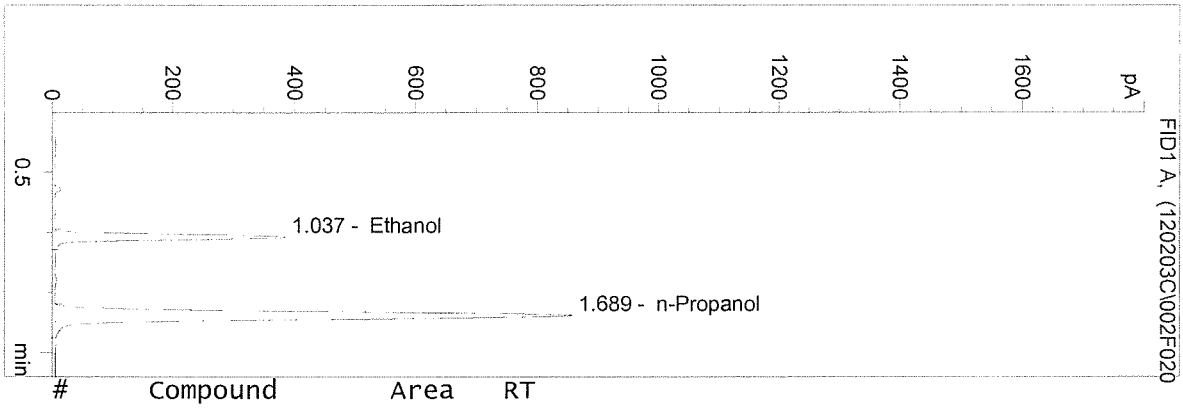
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

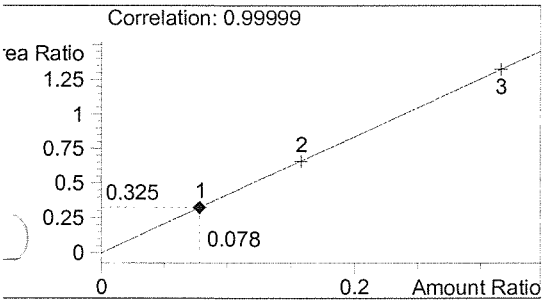
:\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 10:33:34 AM
nstrument 2
2-ALC1

0.079 CAL
ED FORMOSO

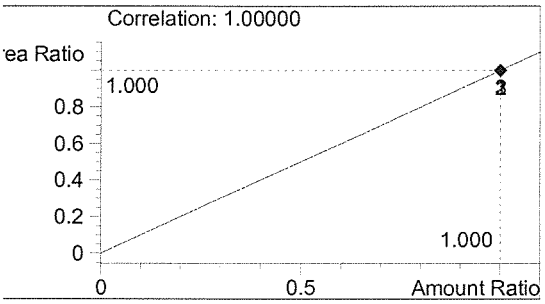
vial # 2



#	Compound	Area	RT
1	Ethanol	1177	1.037
2	n-Propanol	3628	1.689
Totals:			



Ethanol 0.078 g/100ml



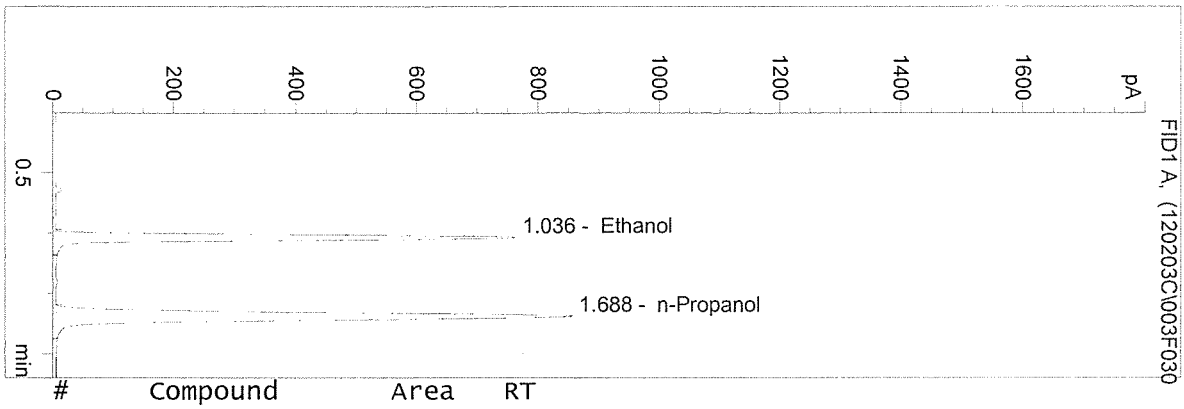
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 10:36:39 AM
ıstrument 2
2-ALC1

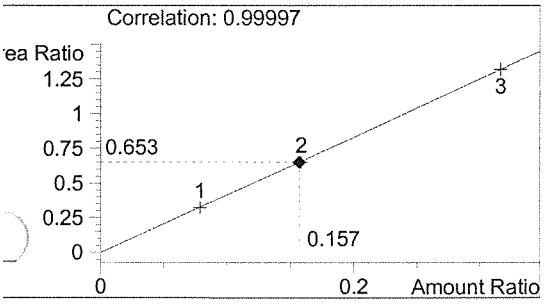
0.158 CAL
ED FORMOSO

vial # 3

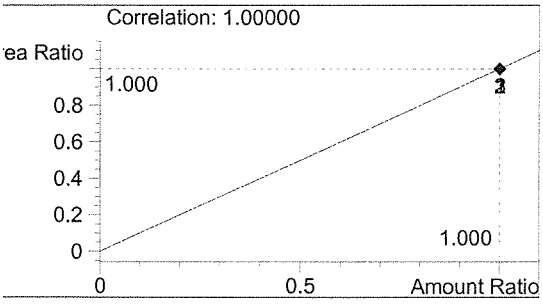


#	Compound	Area	RT
1	Ethanol	2363	1.036
2	n-Propanol	3620	1.688

Totals:



Ethanol 0.157 g/100ml



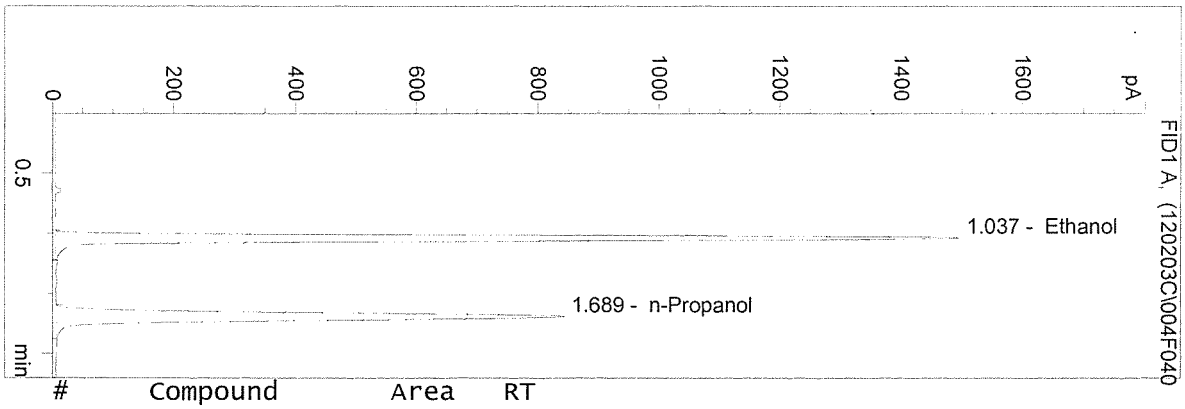
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 10:39:43 AM
nstrument 2
2-ALC1

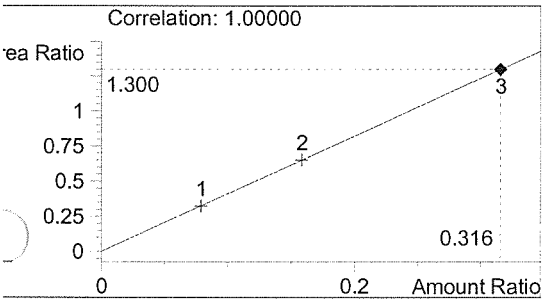
0.316 CAL
ED FORMOSO

vial # 4

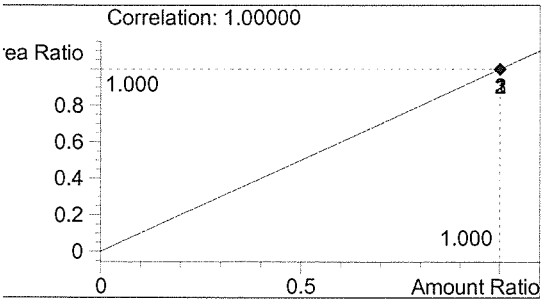


#	Compound	Area	RT
1	Ethanol	4630	1.037
2	n-Propanol	3561	1.689

Totals:



Ethanol 0.316 g/100ml



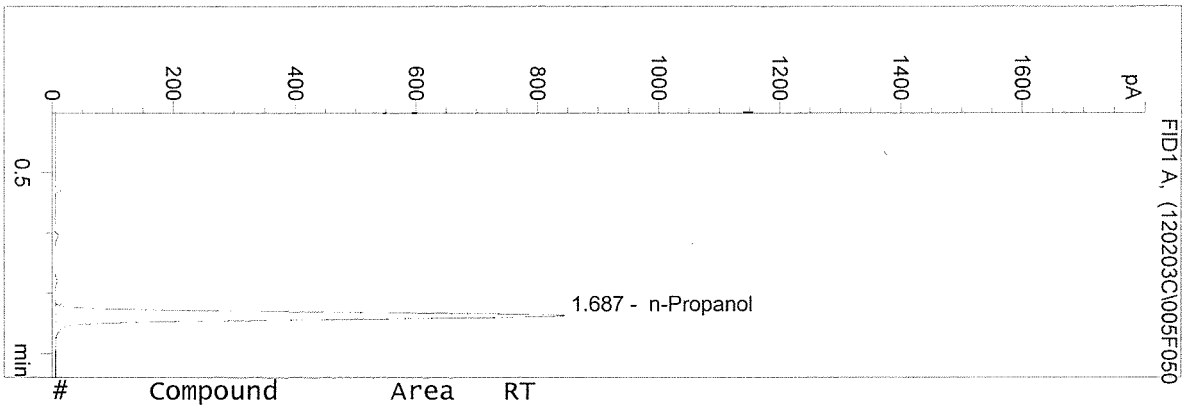
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
?/2/03 10:42:48 AM
ıstrument 2
R-ALC1

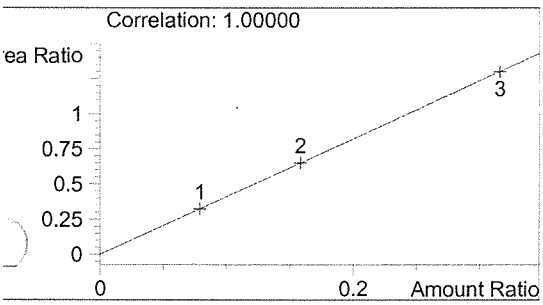
BLANK
ED FORMOSO

vial # 5

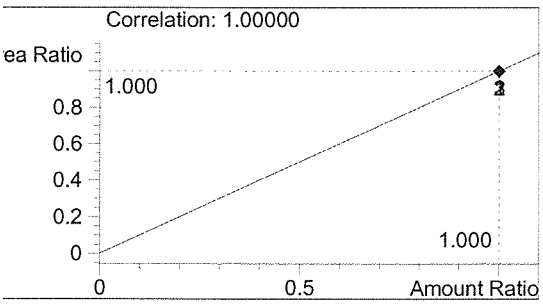


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3565	1.687

Totals:



Ethanol 0.000 g/100ml



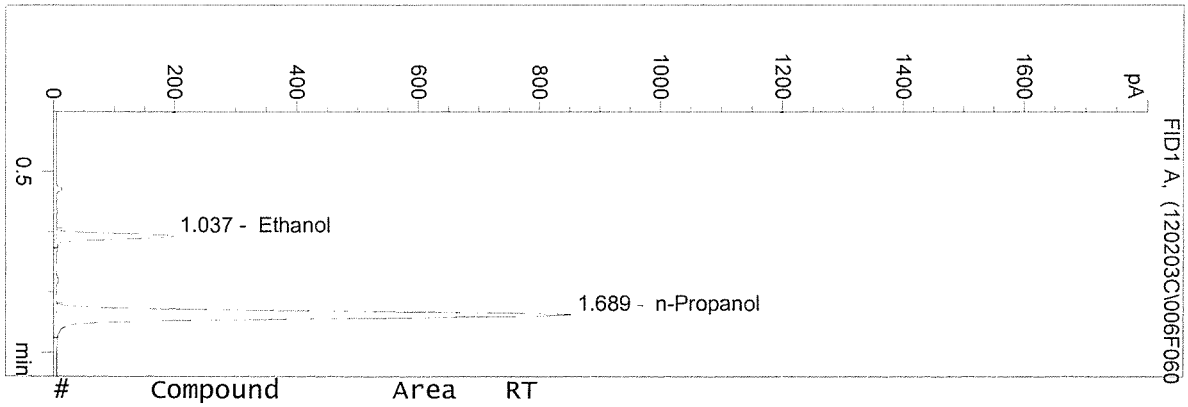
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

\HPCHEM\2\METHODS\BLDALCO2.M
/2/03 10:45:52 AM
istrument 2
-ALC1

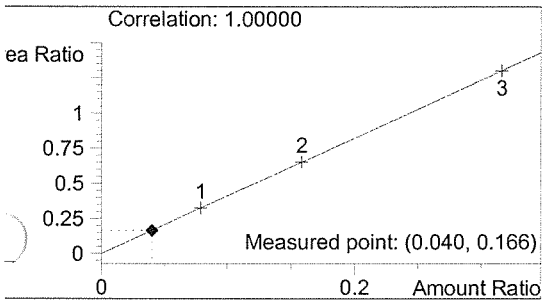
0.04 CAP
ED FORMOSO

vial # 6

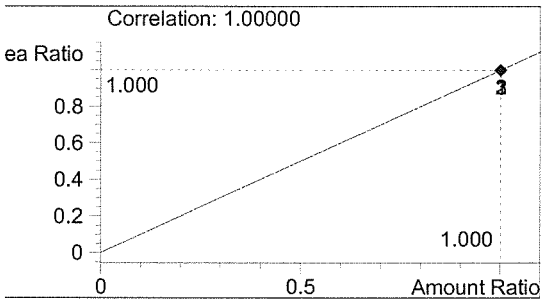


#	Compound	Area	RT
1	Ethanol	597	1.037
2	n-Propanol	3600	1.689

Totals:



Ethanol 0.040 g/100ml



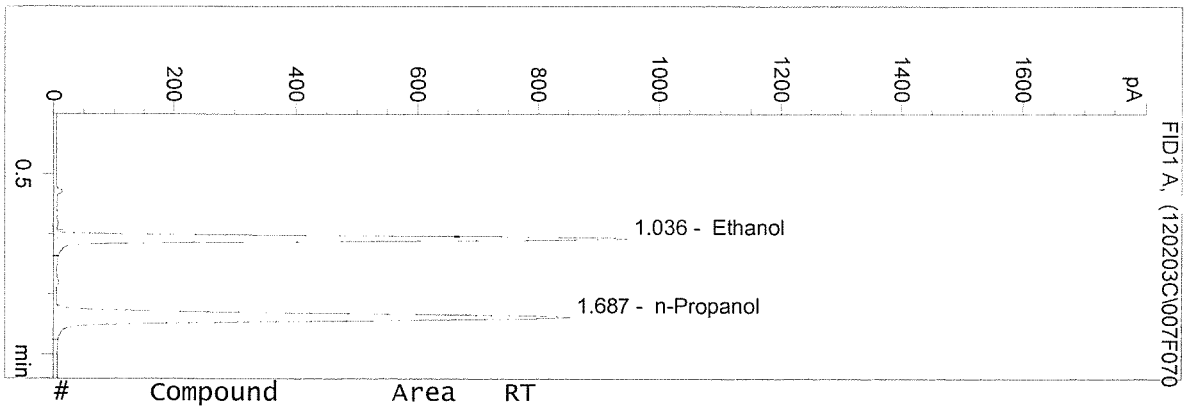
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

\HPCHEM\2\METHODS\BLDALCO2.M
:/2/03 10:48:57 AM
istrument 2
-ALC1

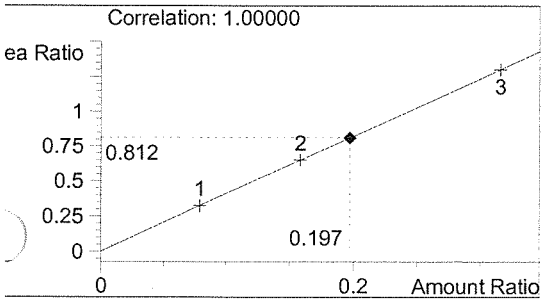
0.20 CONTROL
ED FORMOSO

vial # 7

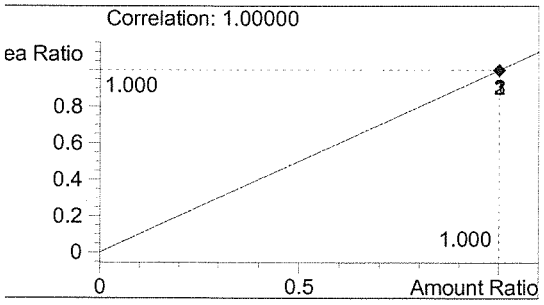


#	Compound	Area	RT
1	Ethanol	2931	1.036
2	n-Propanol	3610	1.687

Totals:



Ethanol 0.197 g/100ml



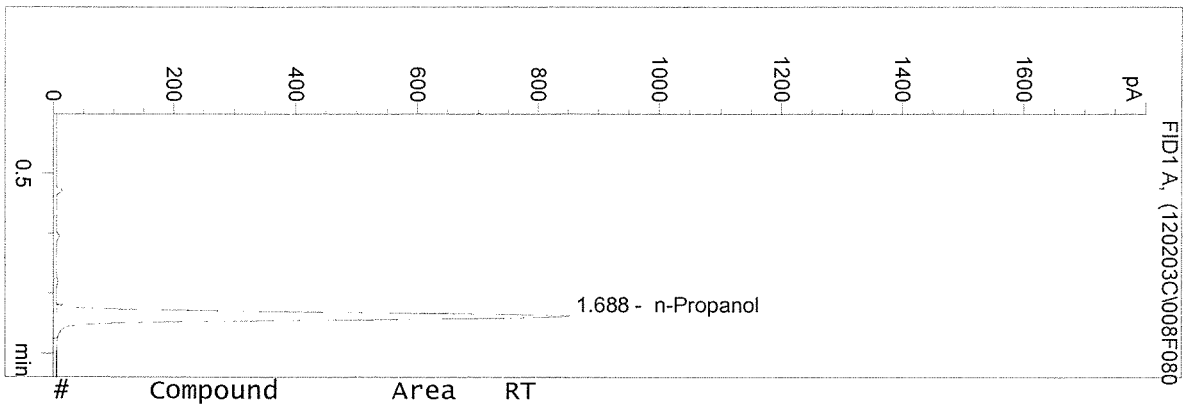
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/2/03 10:52:01 AM
nstrument 2
3-ALC1

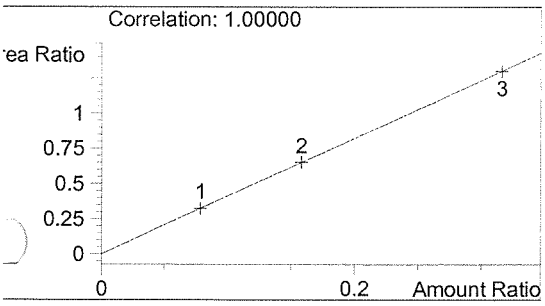
BLANK
ED FORMOSO

vial # 8

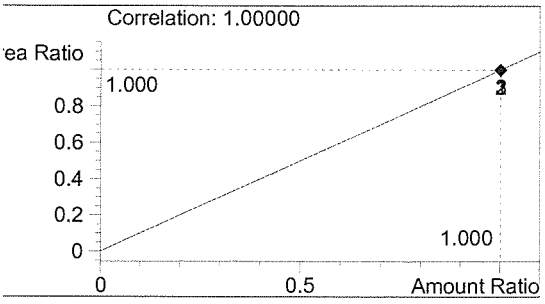


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3606	1.688

Totals:



Ethanol 0.000 g/100ml



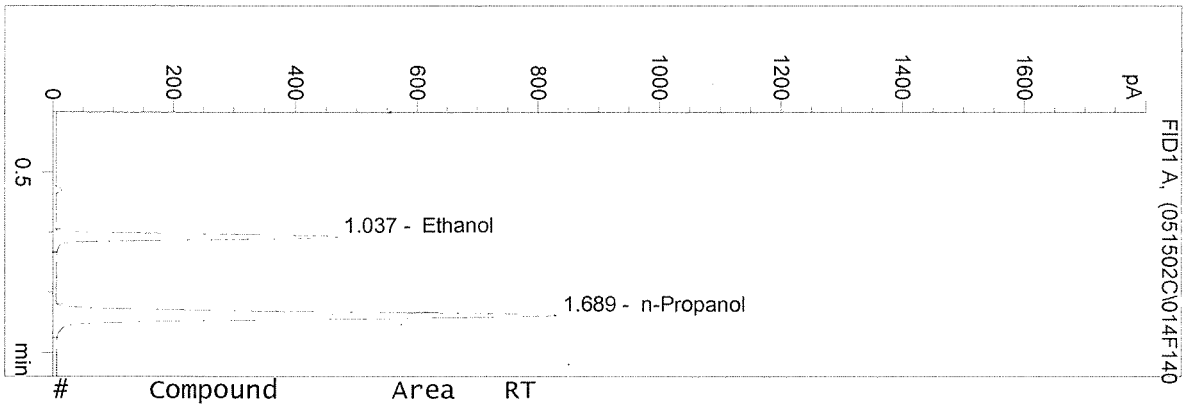
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/1/03 2:40:42 PM
nstrument 2
R-ALC1

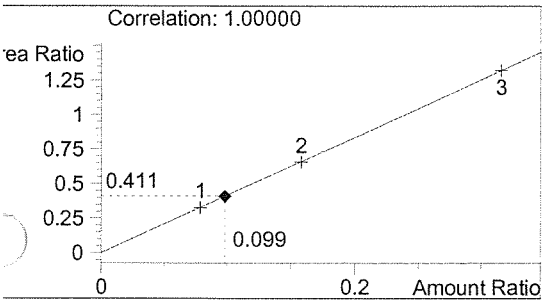
03038 QA
Kari Gruendell

vial # 14

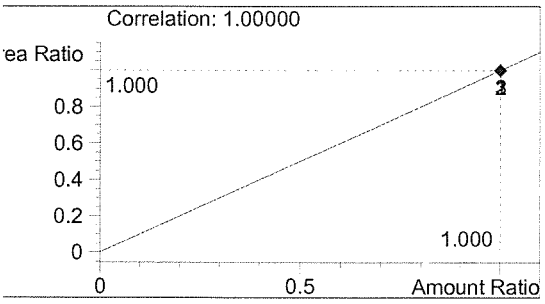


#	Compound	Area	RT
1	Ethanol	1442	1.037
2	n-Propanol	3509	1.689

Totals:



Ethanol 0.099 g/100ml



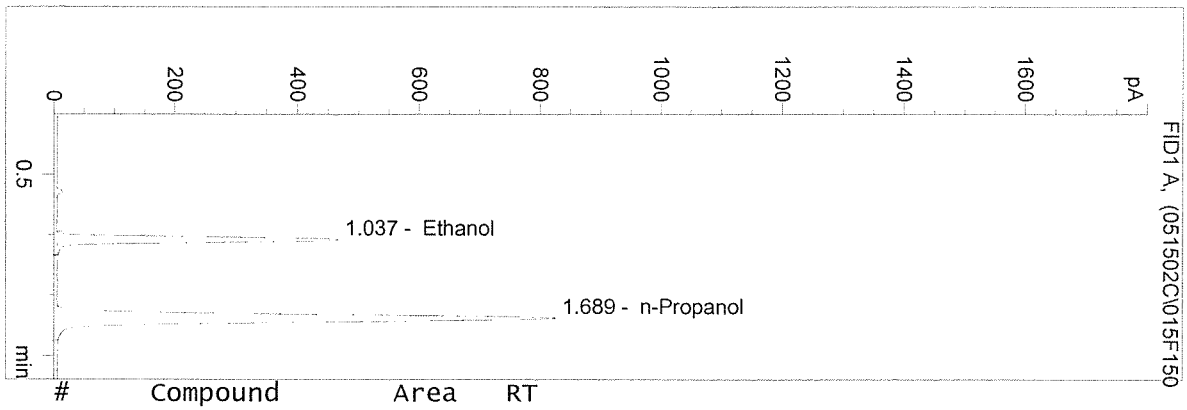
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/1/03 2:43:56 PM
nstrument 2
?-ALC1

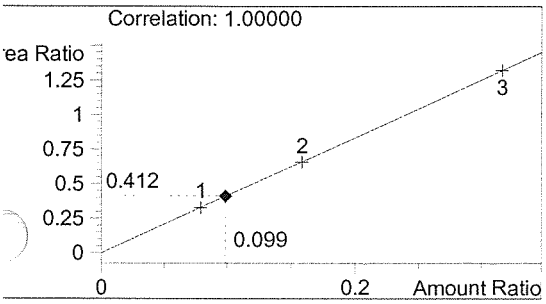
03038 QA
Kari Gruendell

vial # 15

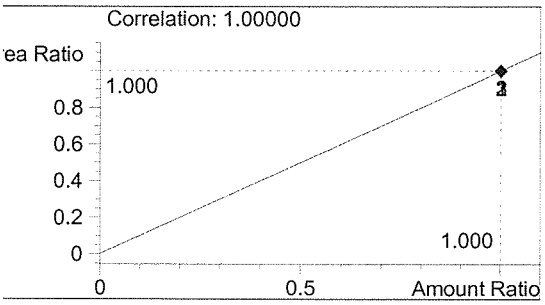


#	Compound	Area	RT
1	Ethanol	1437	1.037
2	n-Propanol	3487	1.689

Totals:



Ethanol 0.099 g/100ml



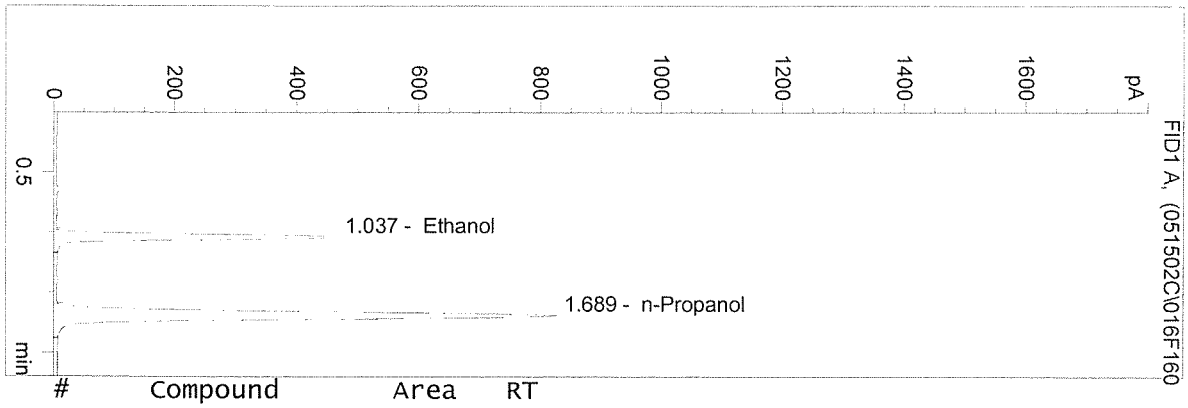
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

:\HPCHEM\2\METHODS\BLDALCO2.M
2/1/03 2:47:09 PM
nstrument 2
-ALC1

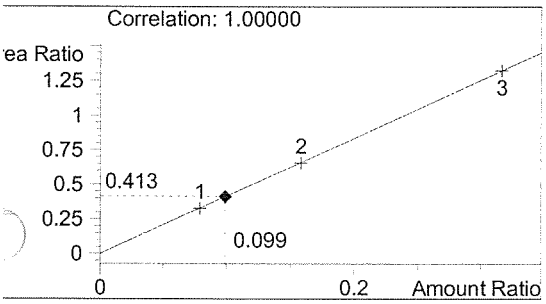
03038 QA
Kari Gruendell

vial # 16

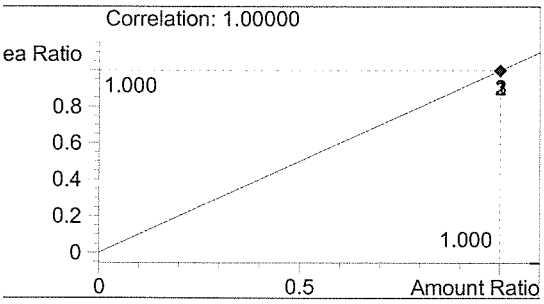


#	Compound	Area	RT
1	Ethanol	1441	1.037
2	n-Propanol	3488	1.689

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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nstrument 2
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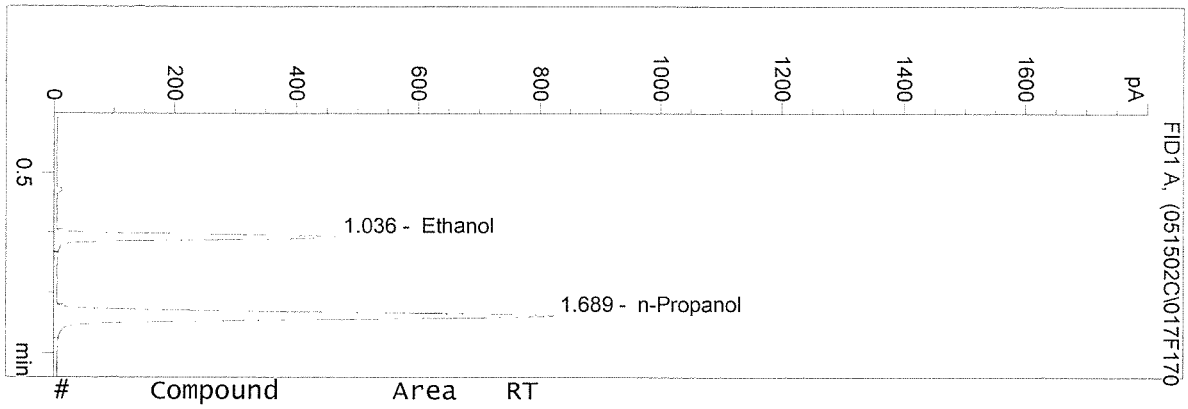
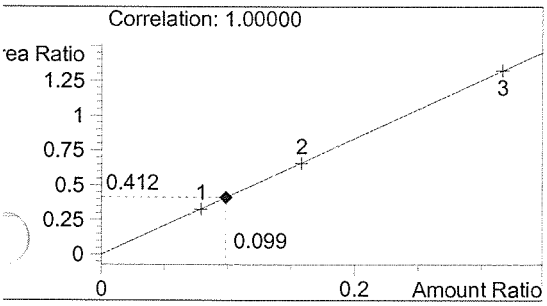
03038 QA
Kari Gruendell

vial # 17

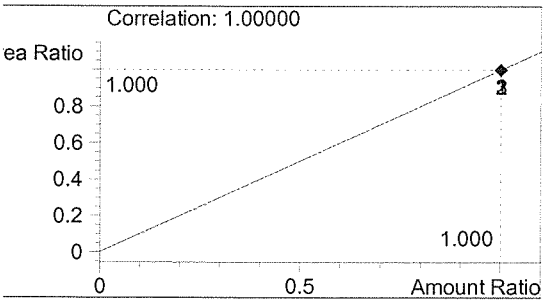


#	Compound	Area	RT
1	Ethanol	1429	1.036
2	n-Propanol	3470	1.689

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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nstrument 2
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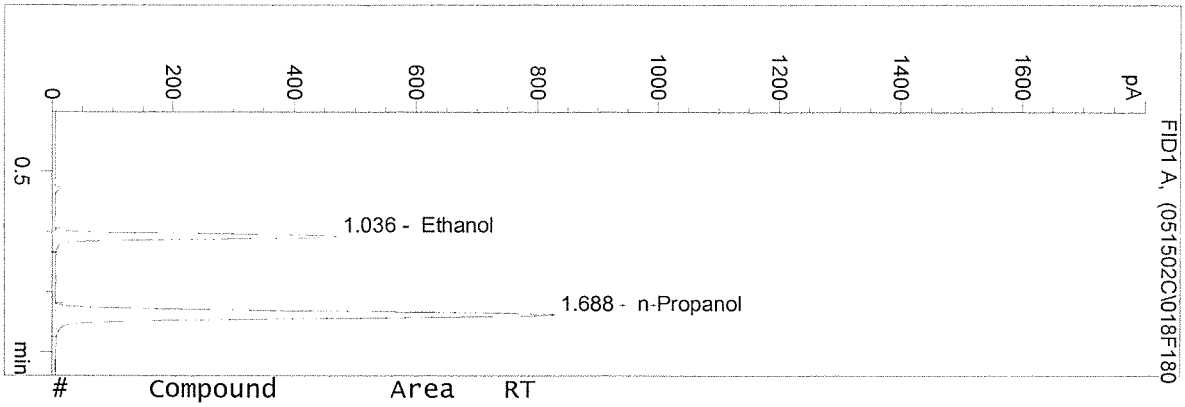
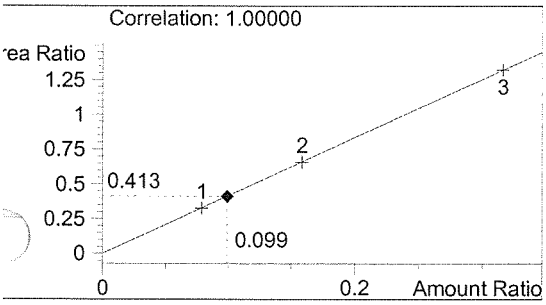
03038 QA
Kari Gruendell

vial # 18

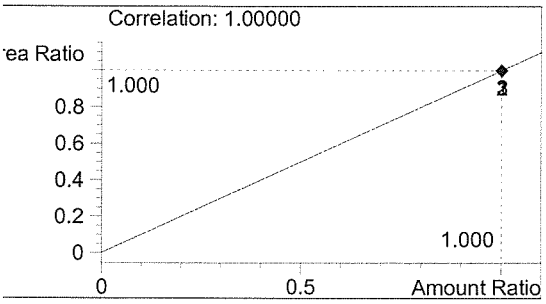


#	Compound	Area	RT
1	Ethanol	1444	1.036
2	n-Propanol	3493	1.688

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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nstrument 2
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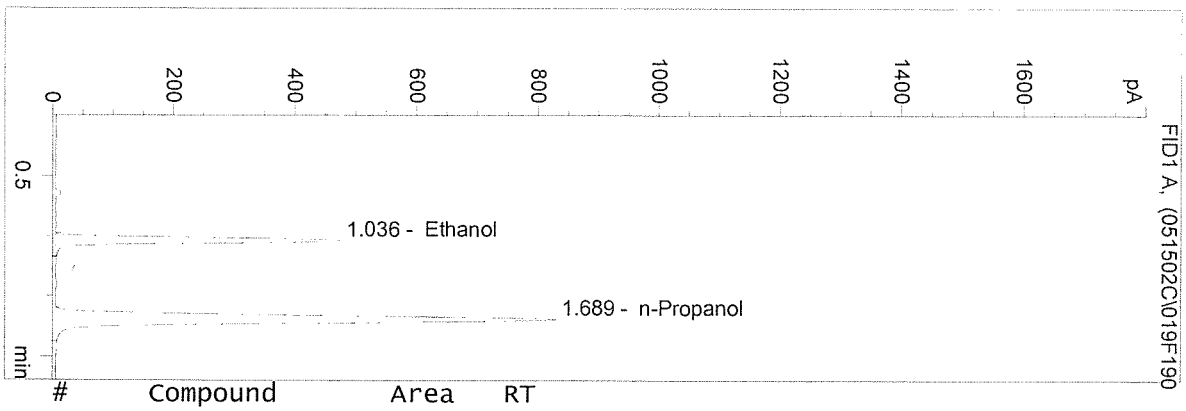
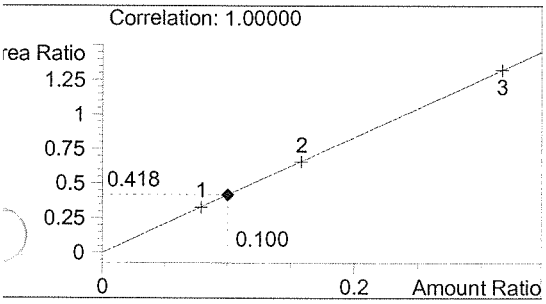
0.10 CONTROL
Kari Gruendell

vial # 19

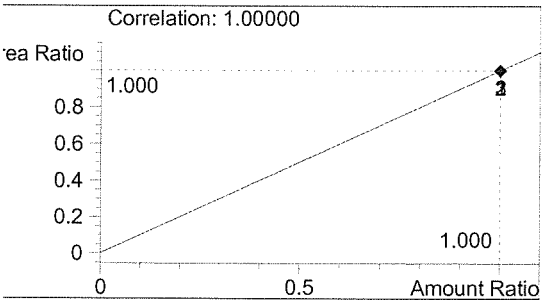


#	Compound	Area	RT
1	Ethanol	1461	1.036
2	n-Propanol	3497	1.689

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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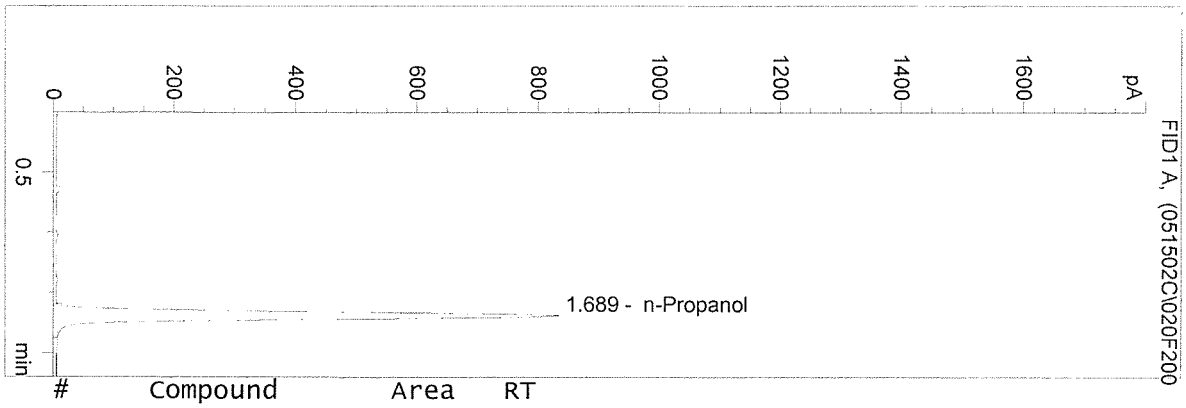
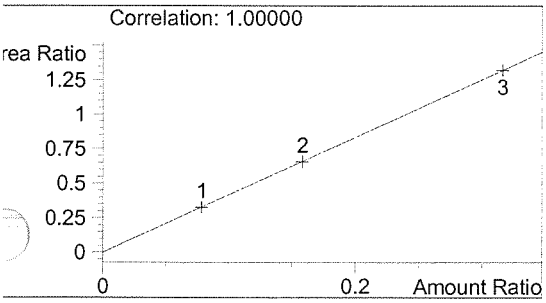
Kari Gruendell

vial # 20

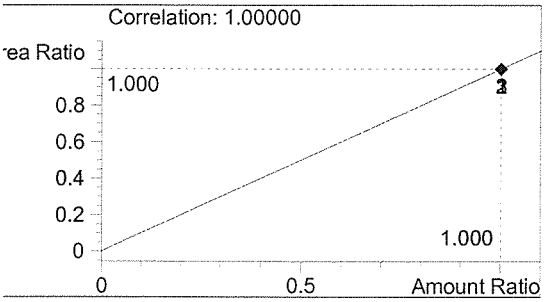


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3521	1.689

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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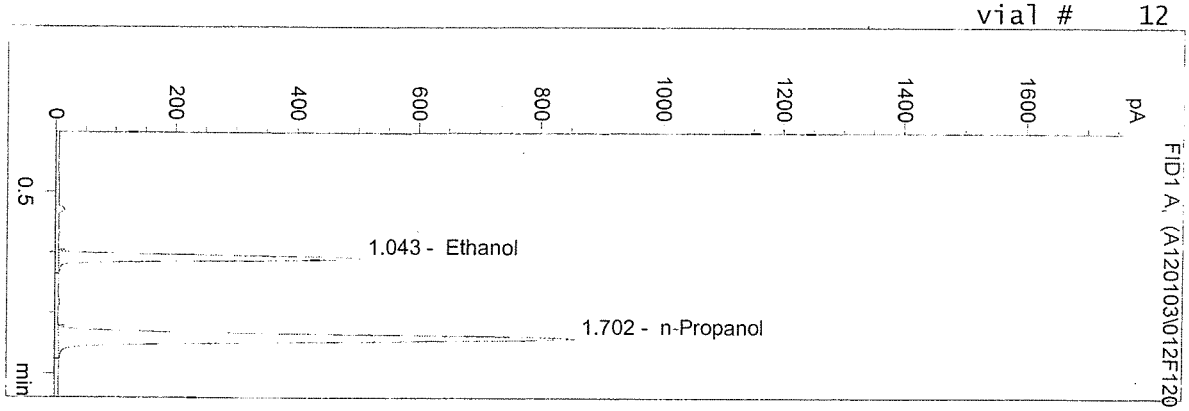
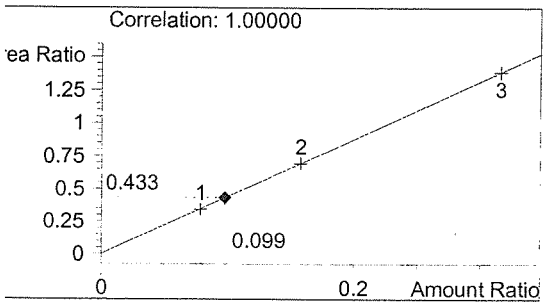
vial # 12

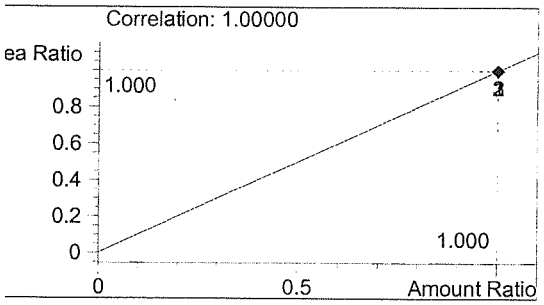


#	Compound	Area	RT
1	Ethanol	1578	1.043
2	n-Propanol	3647	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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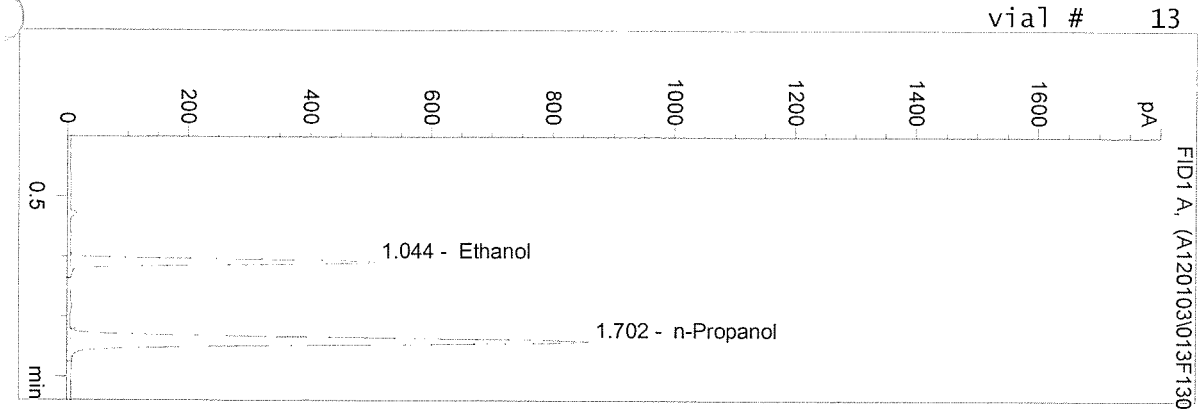
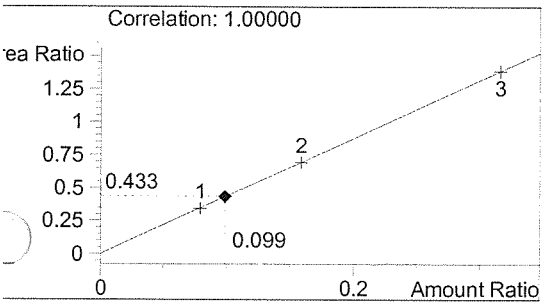
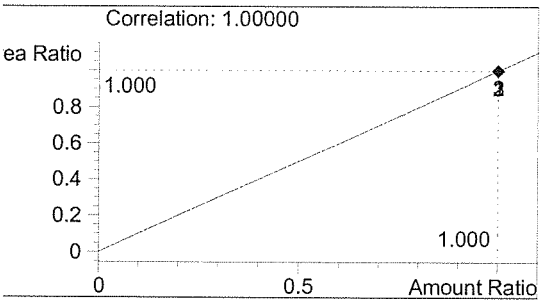
vial # 13



#	Compound	Area	RT
1	Ethanol	1581	1.044
2	n-Propanol	3655	1.702
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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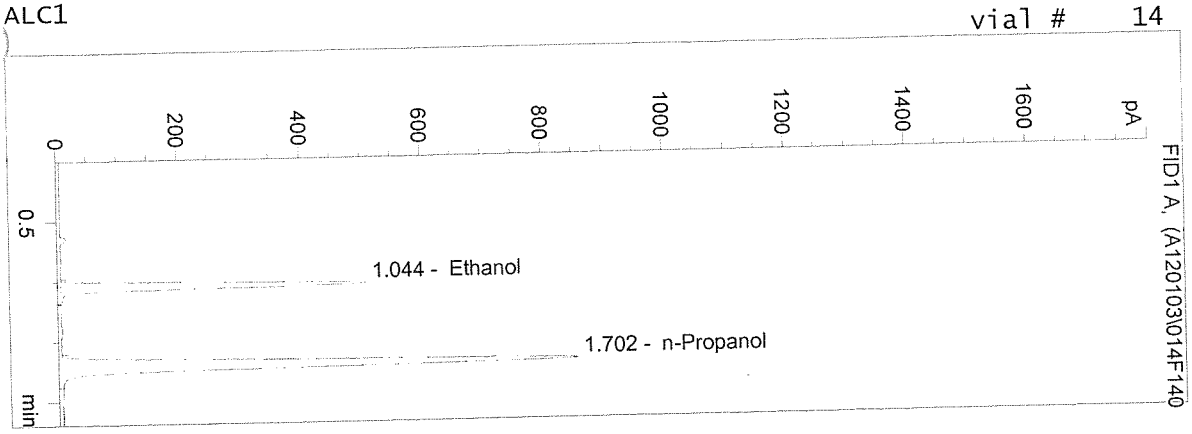
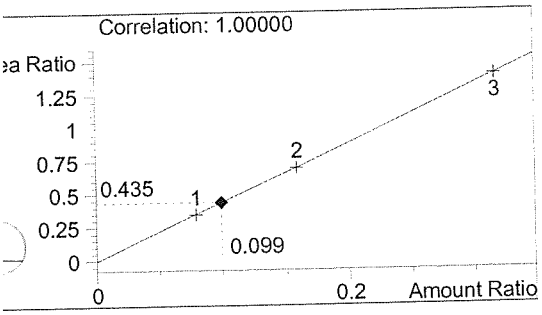
vial # 14

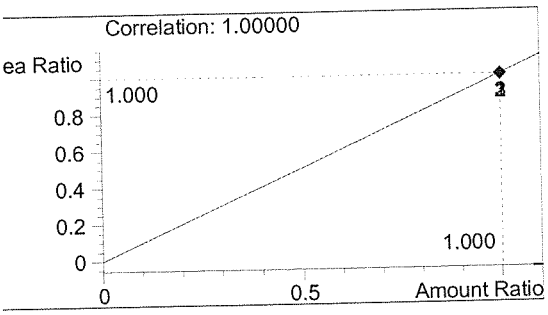


#	Compound	Area	RT
1	Ethanol	1583	1.044
2	n-Propanol	3636	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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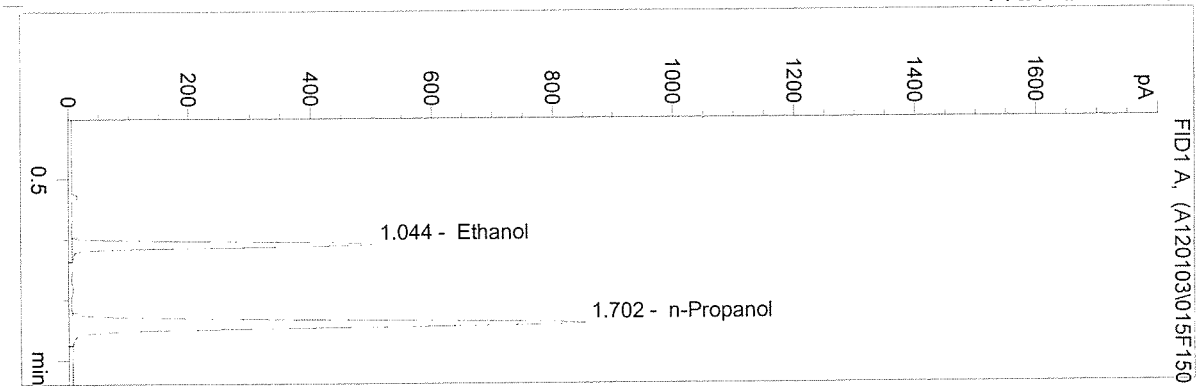
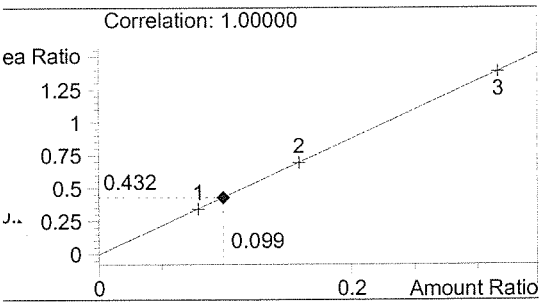
vial # 15

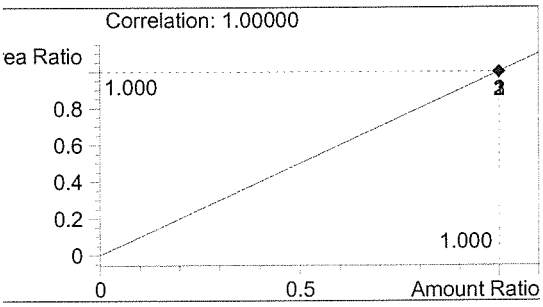


#	Compound	Area	RT
1	Ethanol	1568	1.044
2	n-Propanol	3627	1.702

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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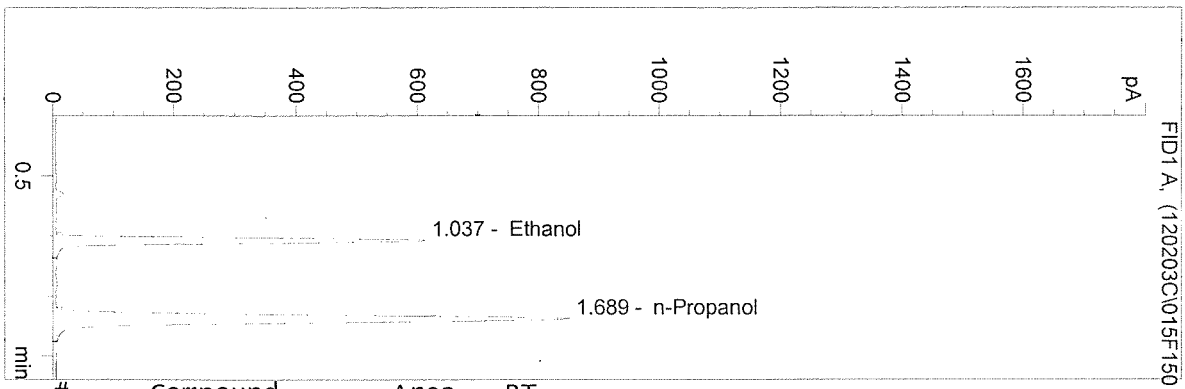
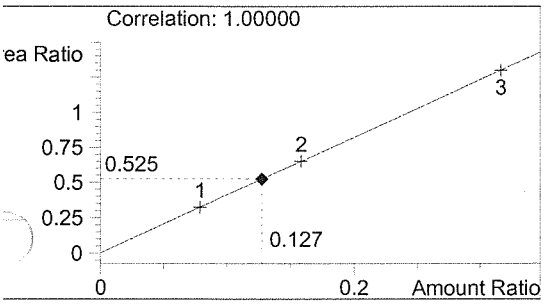
vial # 15

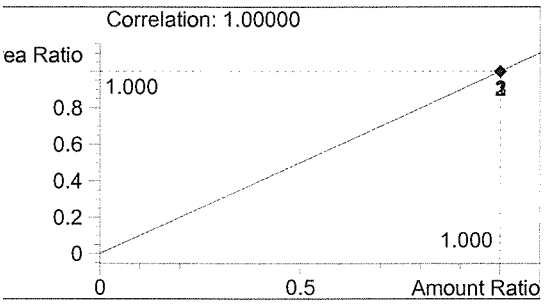


#	Compound	Area	RT
1	Ethanol	1885	1.037
2	n-Propanol	3592	1.689

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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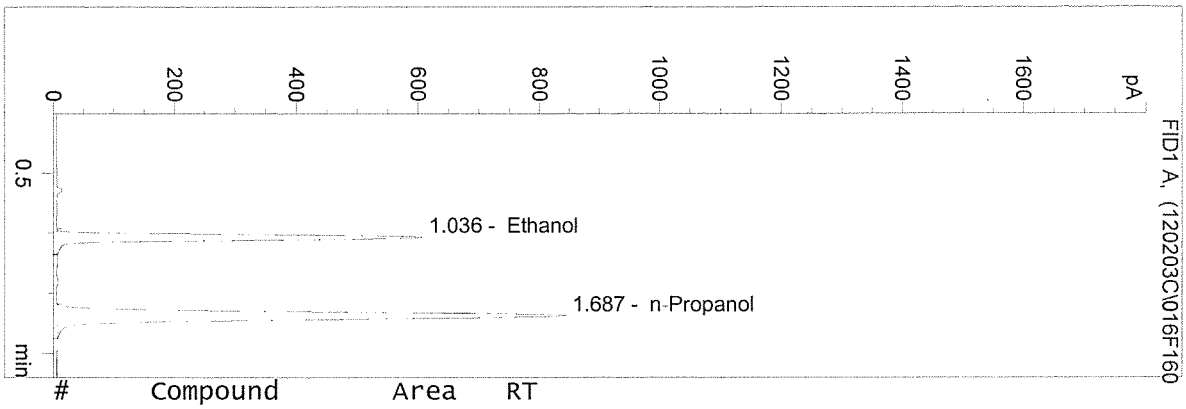
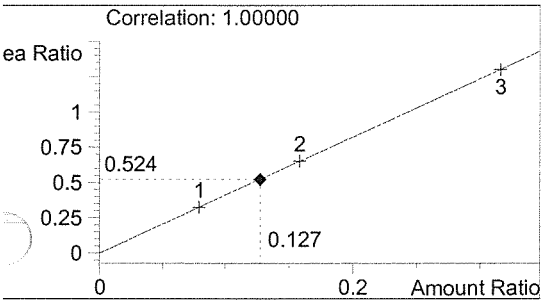
vial # 16

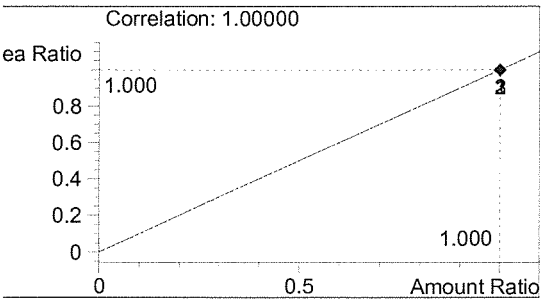


#	Compound	Area	RT
1	Ethanol	1864	1.036
2	n-Propanol	3558	1.687

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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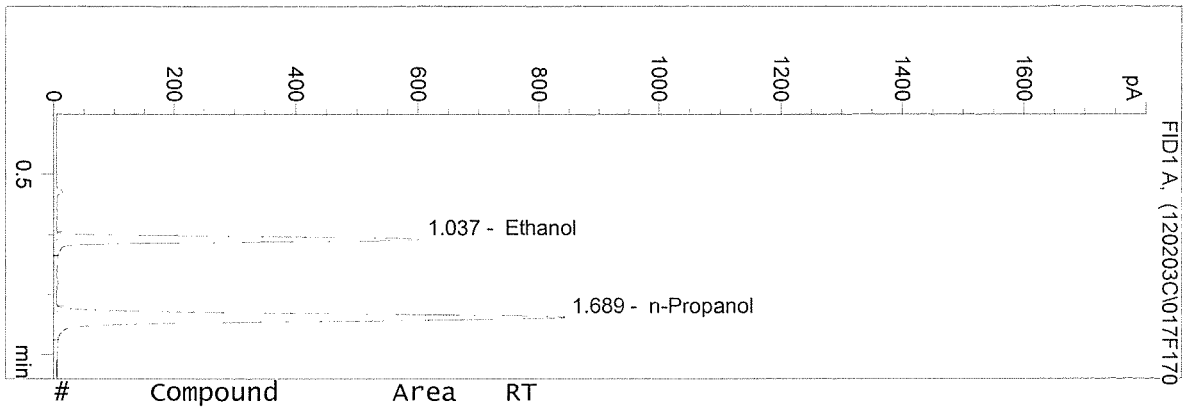
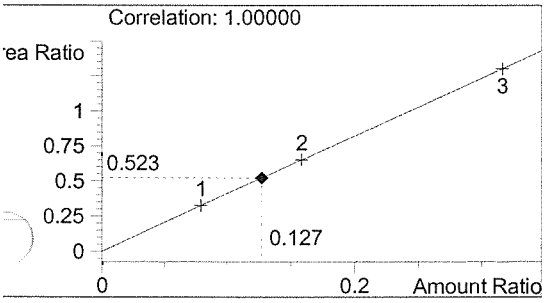
ED FORMOSO

vial # 17

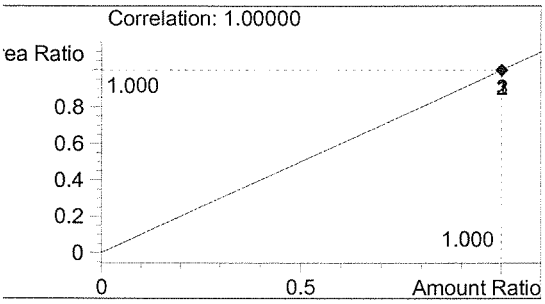


#	Compound	Area	RT
1	Ethanol	1859	1.037
2	n-Propanol	3554	1.689

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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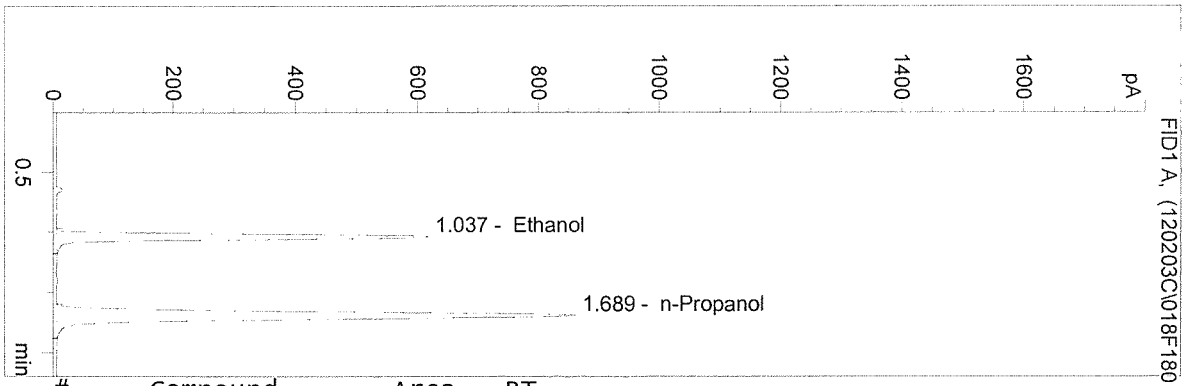
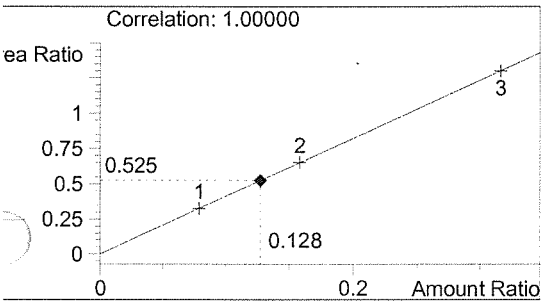
vial # 18

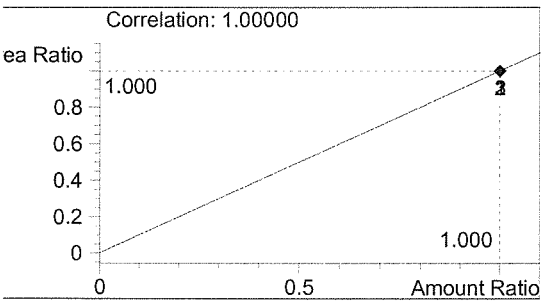


#	Compound	Area	RT
1	Ethanol	1909	1.037
2	n-Propanol	3634	1.689

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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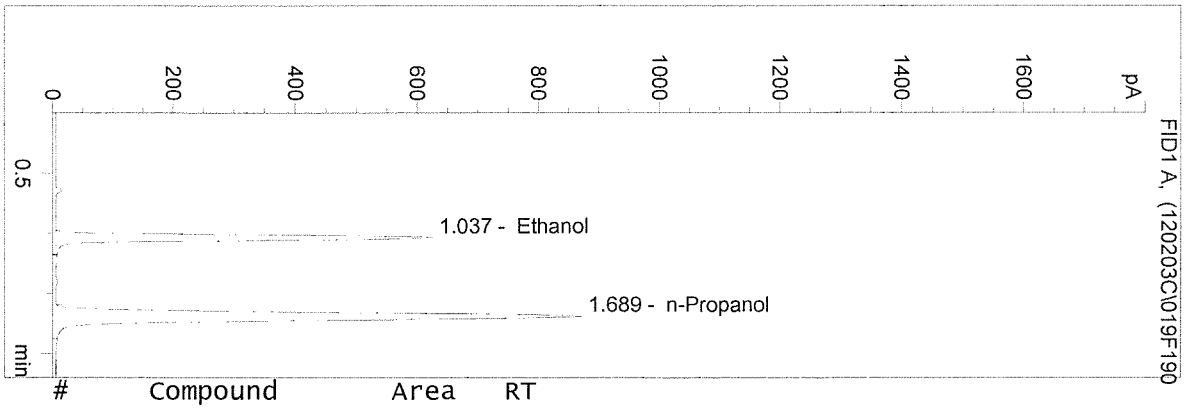
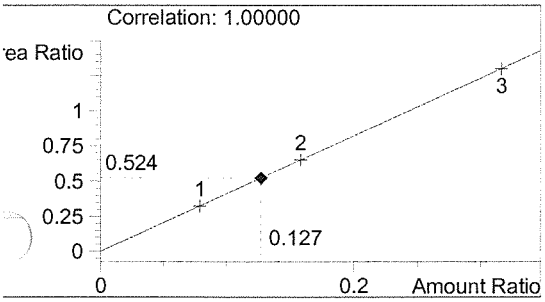
ED FORMOSO

vial # 19

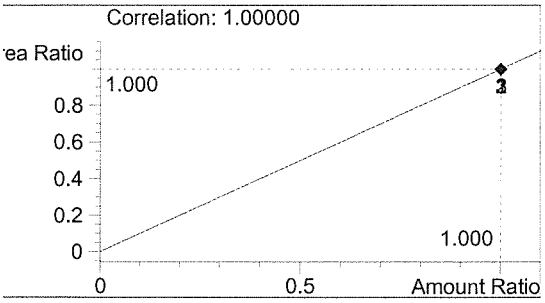


#	Compound	Area	RT
1	Ethanol	1925	1.037
2	n-Propanol	3673	1.689

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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0.10 CONTROL
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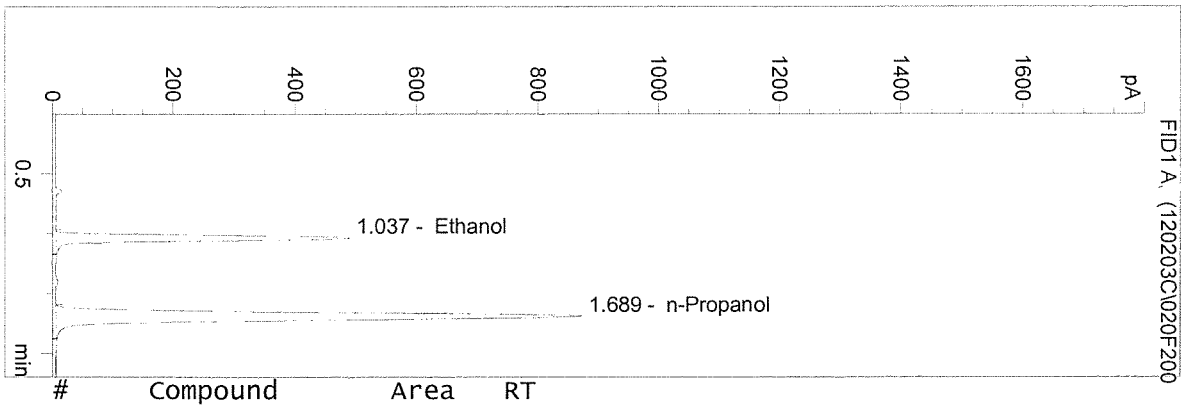
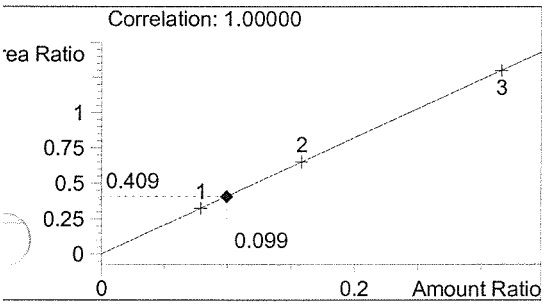
vial # 20

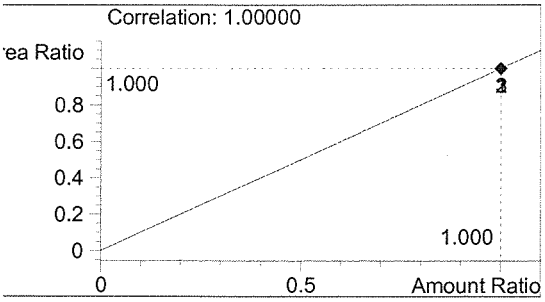


#	Compound	Area	RT
1	Ethanol	1508	1.037
2	n-Propanol	3682	1.689

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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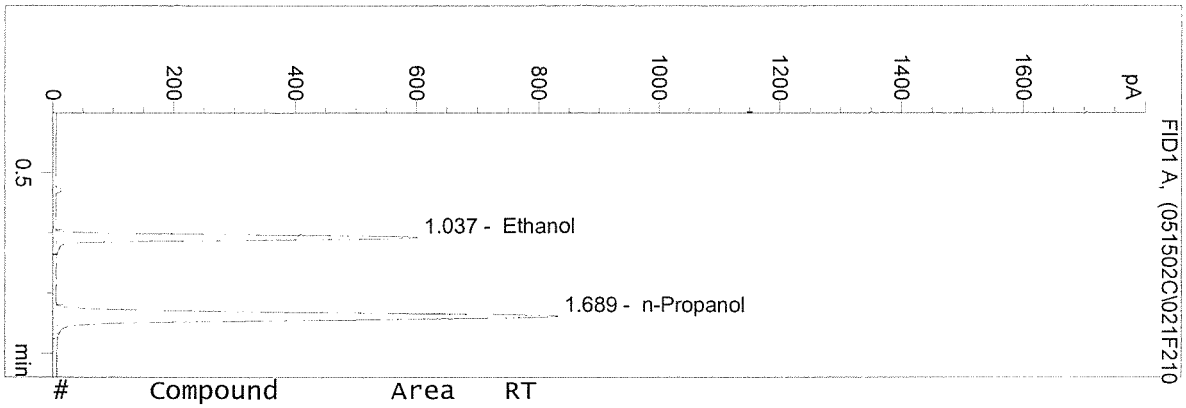
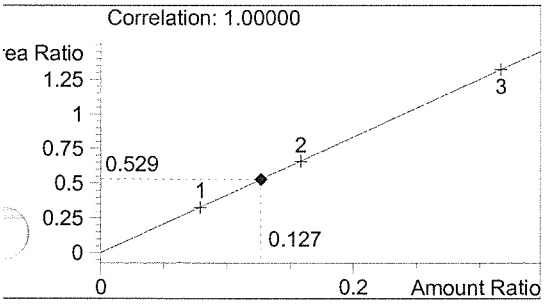
Kari Gruendell

vial # 21

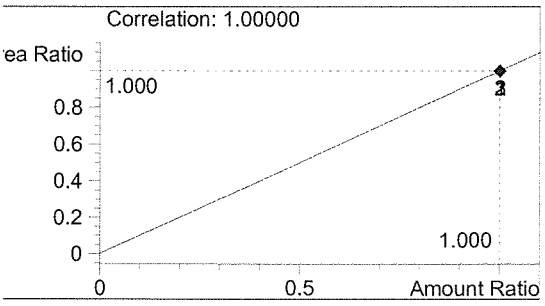


#	Compound	Area	RT
1	Ethanol	1856	1.037
2	n-Propanol	3508	1.689

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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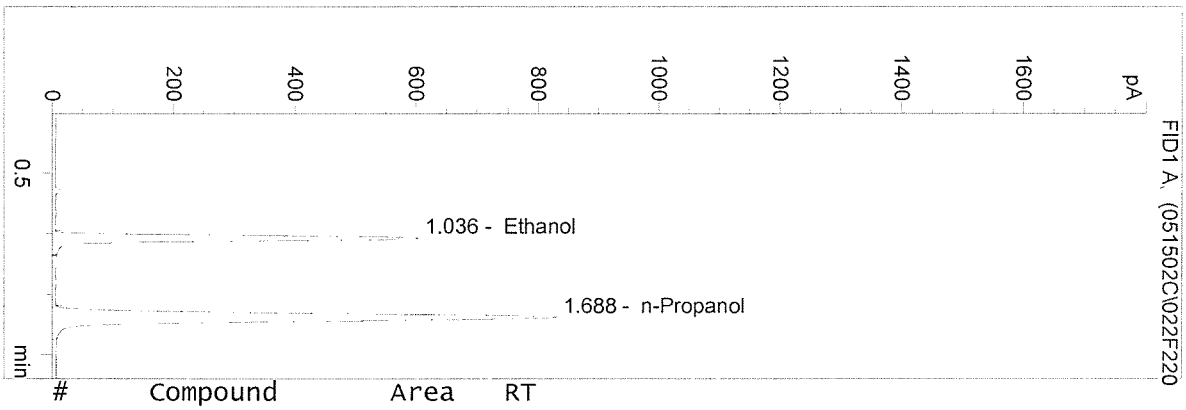
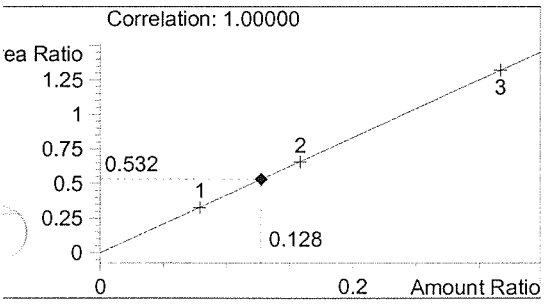
03039 QA
Kari Gruendell

vial # 22

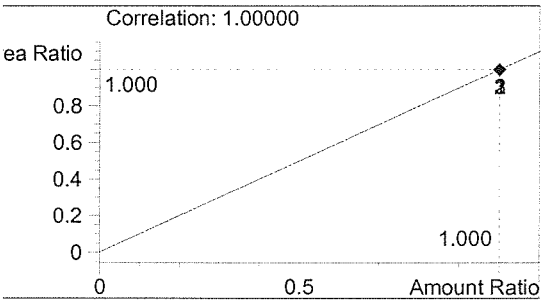


#	Compound	Area	RT
1	Ethanol	1863	1.036
2	n-Propanol	3500	1.688

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

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nstrument 2
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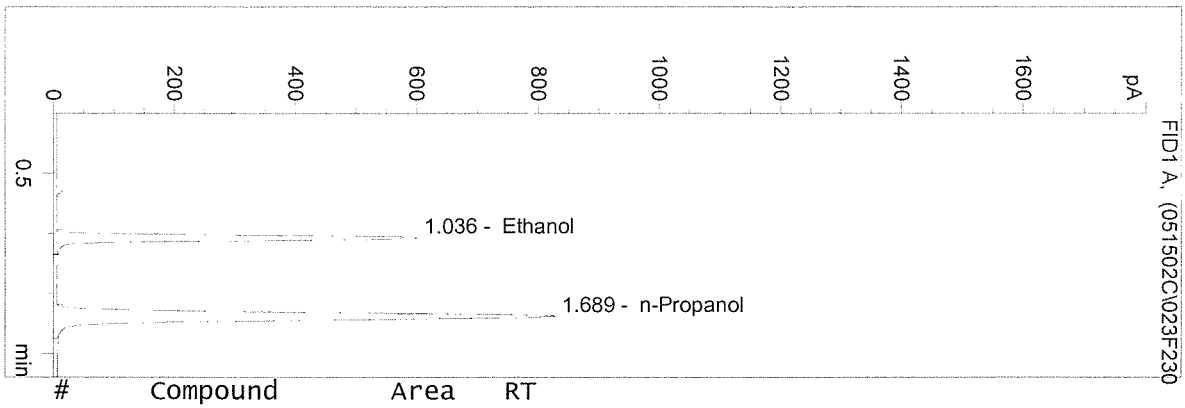
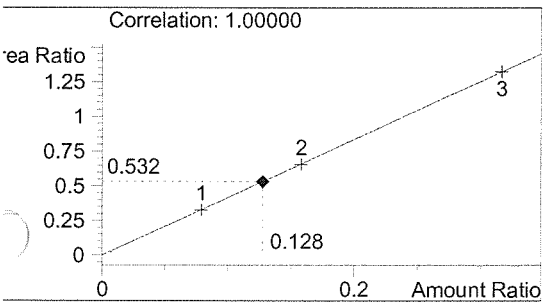
03039 QA
Kari Gruendell

vial # 23

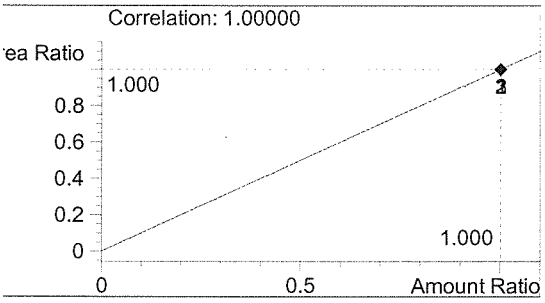


#	Compound	Area	RT
1	Ethanol	1859	1.036
2	n-Propanol	3491	1.689

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

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nstrument 2
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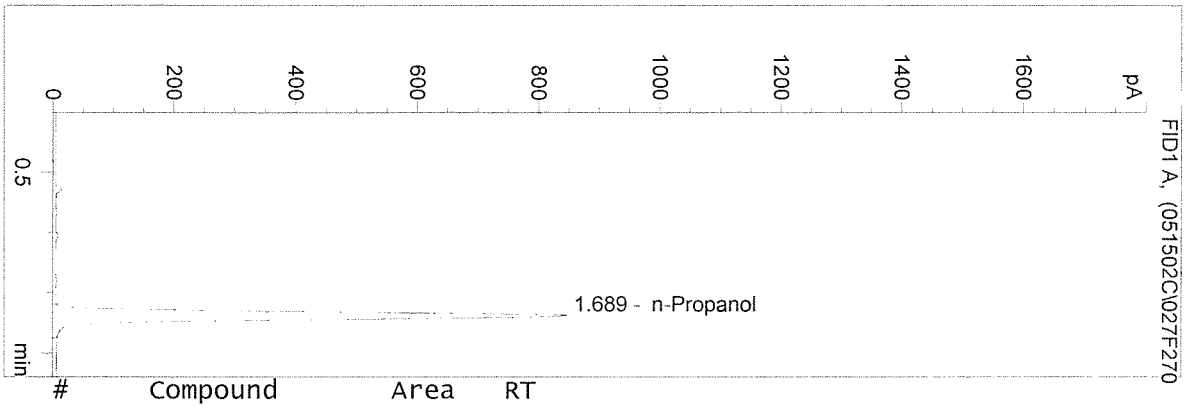
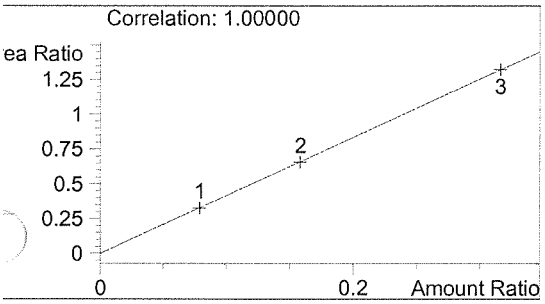
Kari Gruendell

vial # 27

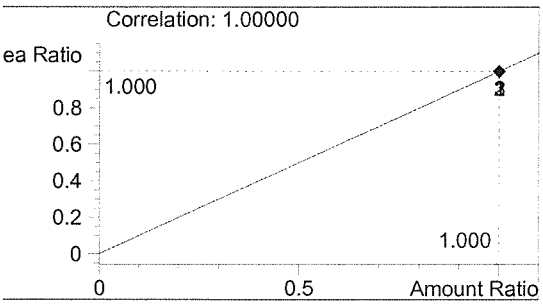


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3575	1.689

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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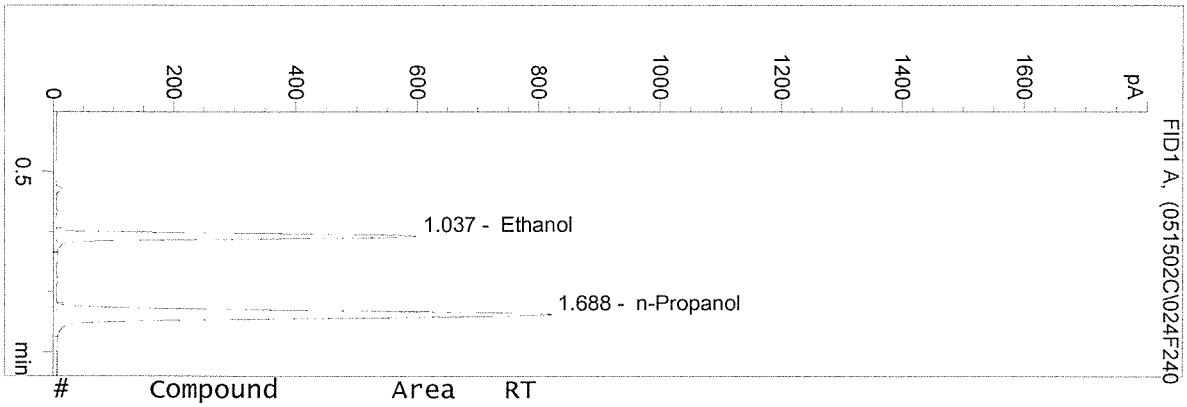
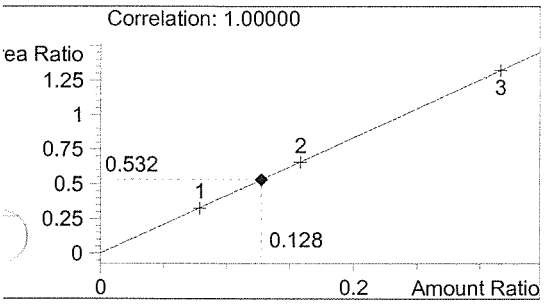
Kari Gruendell

vial # 24

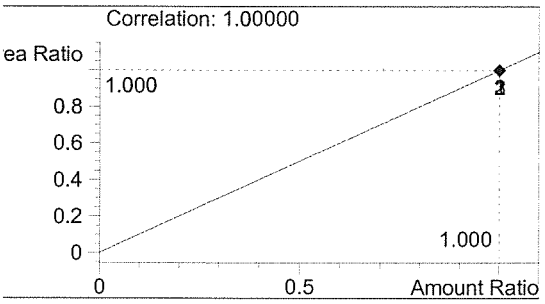


#	Compound	Area	RT
1	Ethanol	1842	1.037
2	n-Propanol	3460	1.688

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

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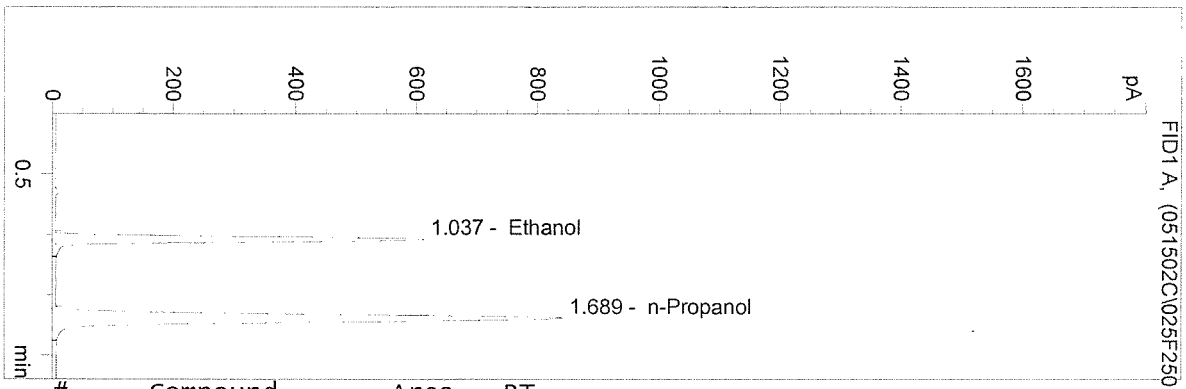
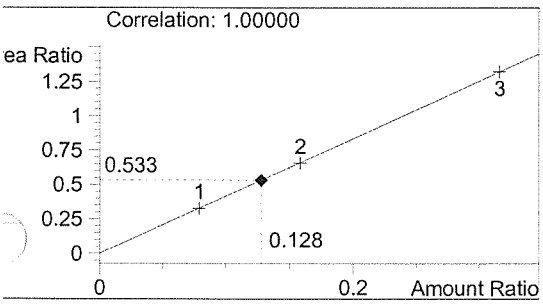
Kari Gruendell

vial # 25

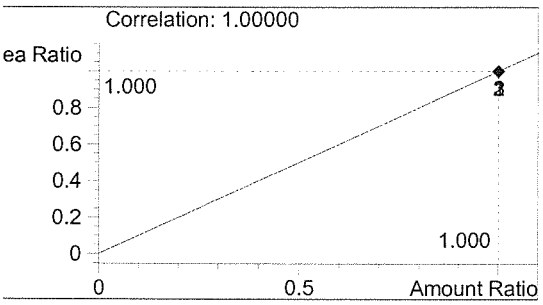


#	Compound	Area	RT
1	Ethanol	1893	1.037
2	n-Propanol	3550	1.689

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

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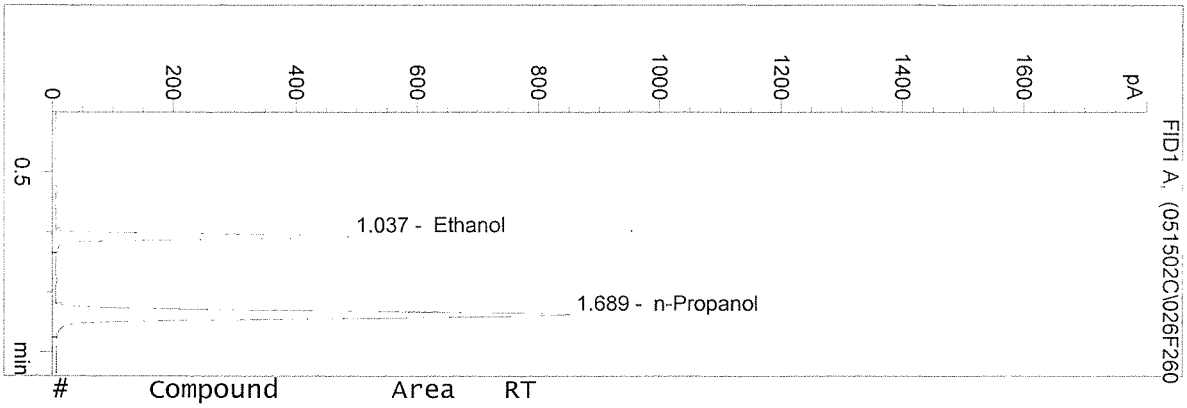
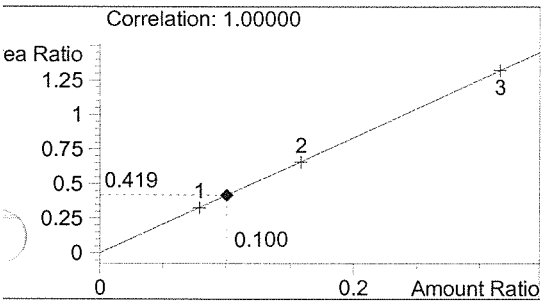
0.10 CONTROL
Kari Gruendell

vial # 26

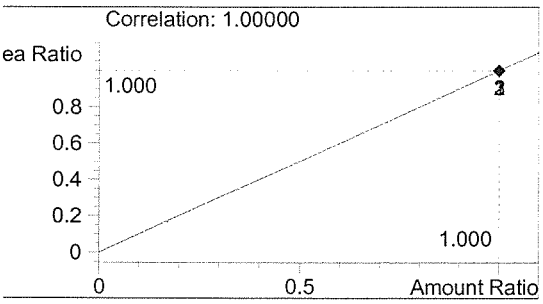


#	Compound	Area	RT
1	Ethanol	1504	1.037
2	n-Propanol	3593	1.689

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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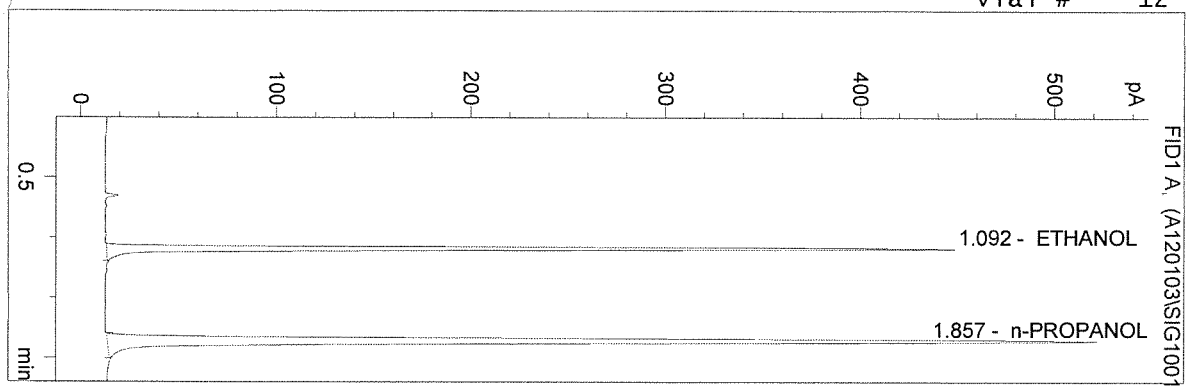
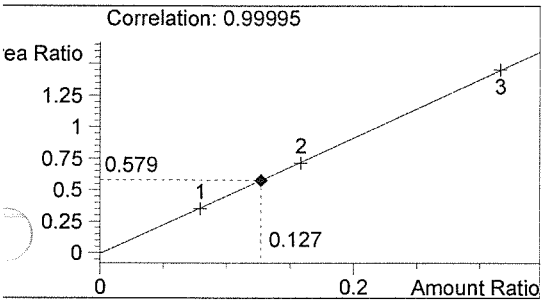
vial # 12

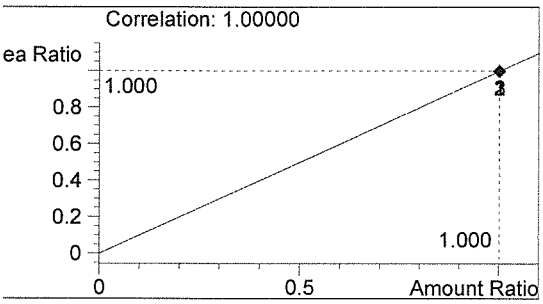


#	Compound	Area	RT
1	ETHANOL	808	1.092
2	n-PROPANOL	1395	1.857

Totals:



ETHANOL 0.127 g/100mL



n-PROPANOL 1.000 g/100mL

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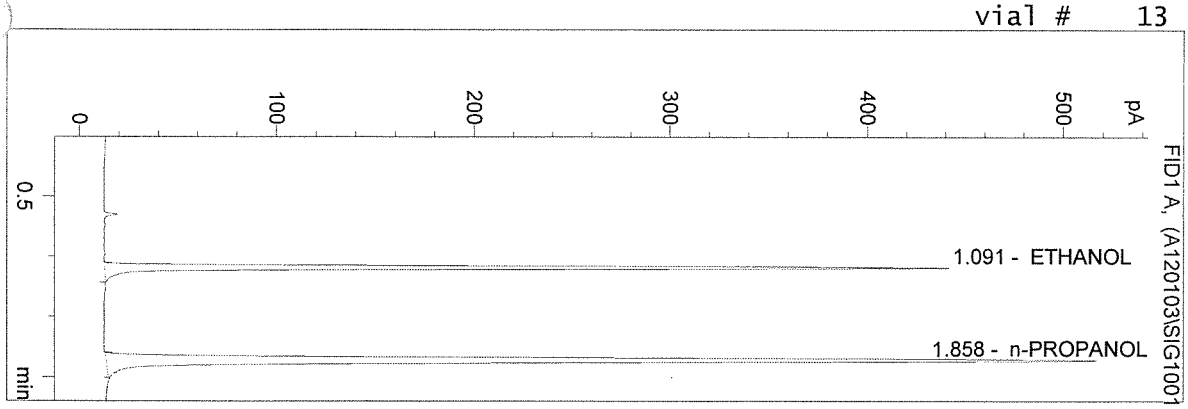
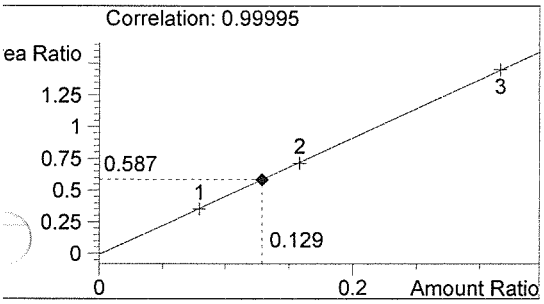
vial # 13

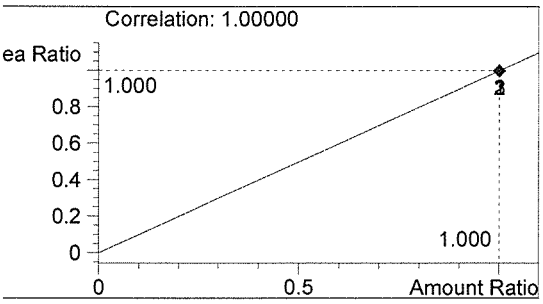


#	Compound	Area	RT
1	ETHANOL	811	1.091
2	n-PROPANOL	1382	1.858

Totals:



ETHANOL 0.129 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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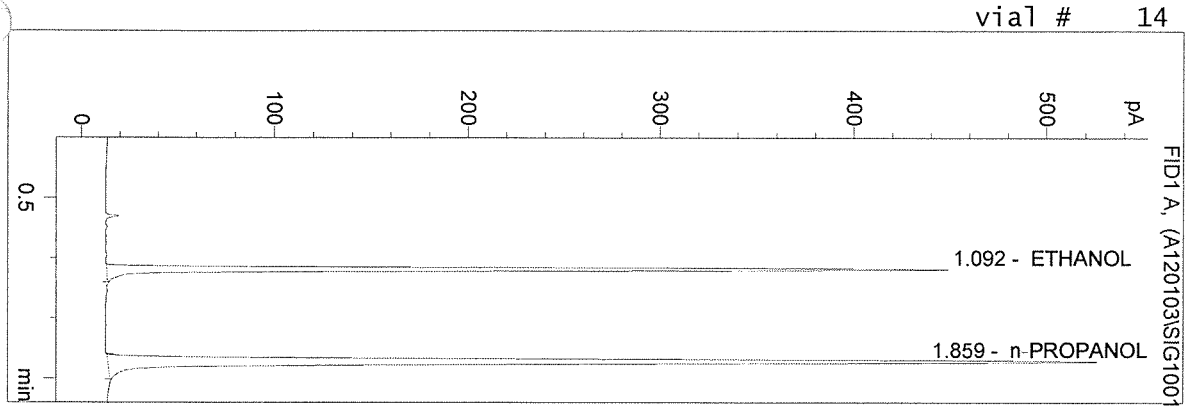
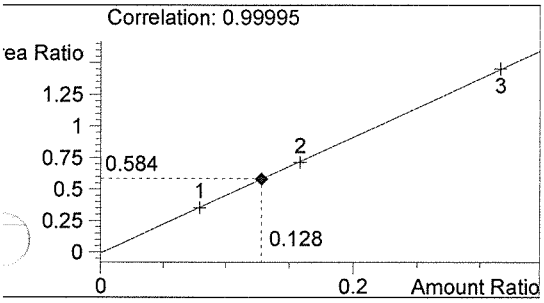
vial # 14

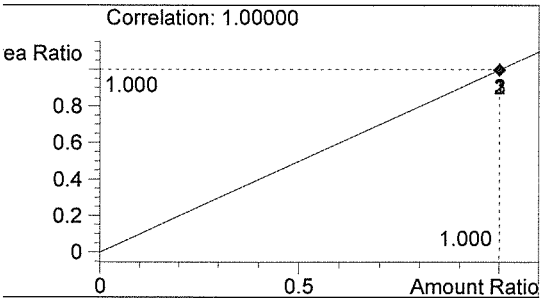


#	Compound	Area	RT
1	ETHANOL	822	1.092
2	n-PROPANOL	1407	1.859

Totals:



ETHANOL 0.128 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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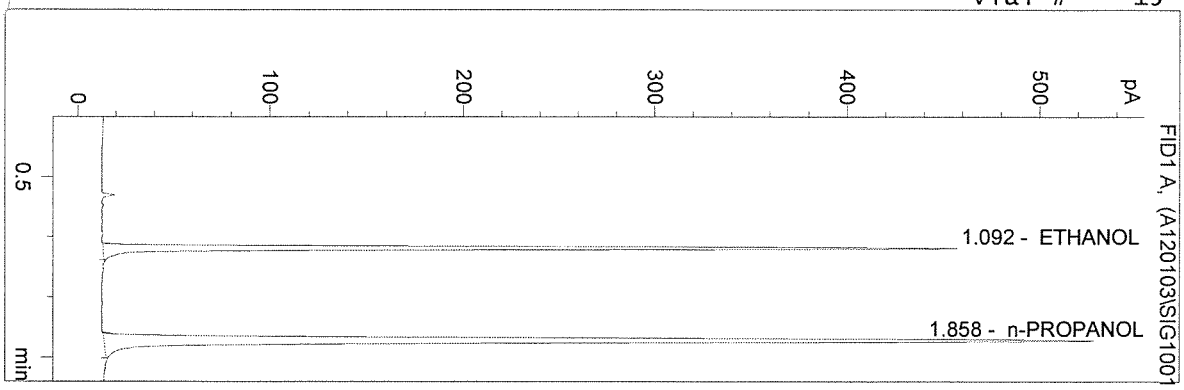
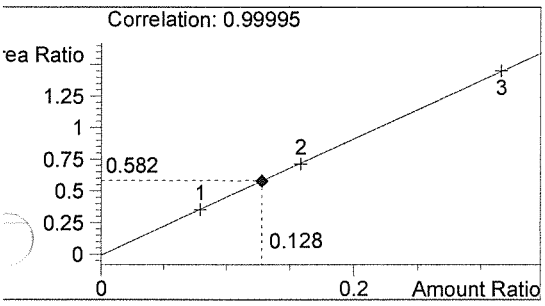
vial # 15

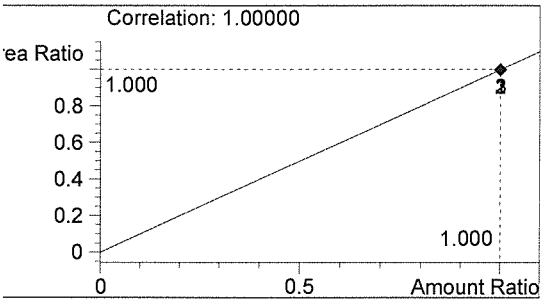


#	Compound	Area	RT
1	ETHANOL	821	1.092
2	n-PROPANOL	1410	1.858

Totals:



ETHANOL 0.128 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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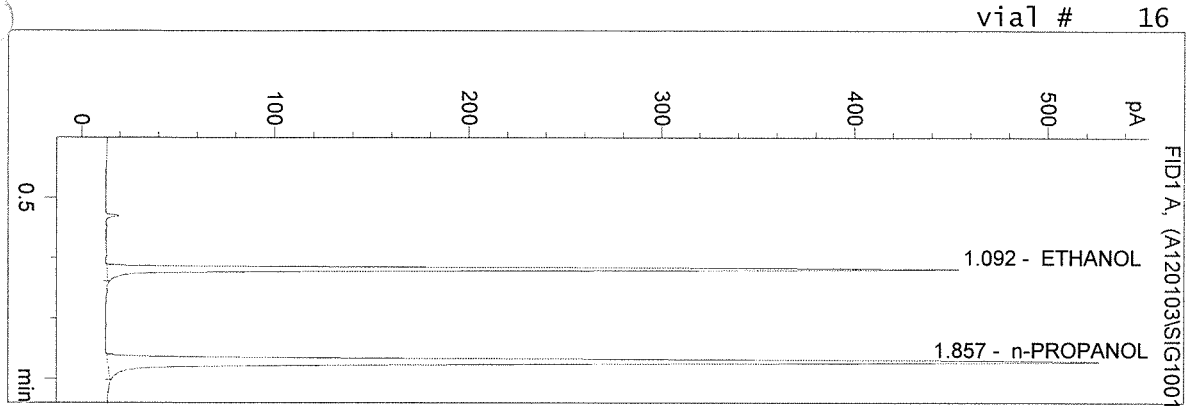
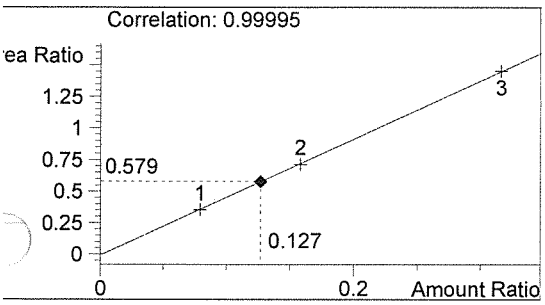
vial # 16

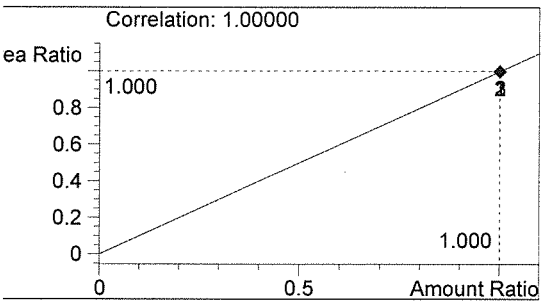


#	Compound	Area	RT
1	ETHANOL	813	1.092
2	n-PROPANOL	1404	1.857

Totals:



ETHANOL 0.127 g/100mL



n-PROPANOL 1.000 g/100mL

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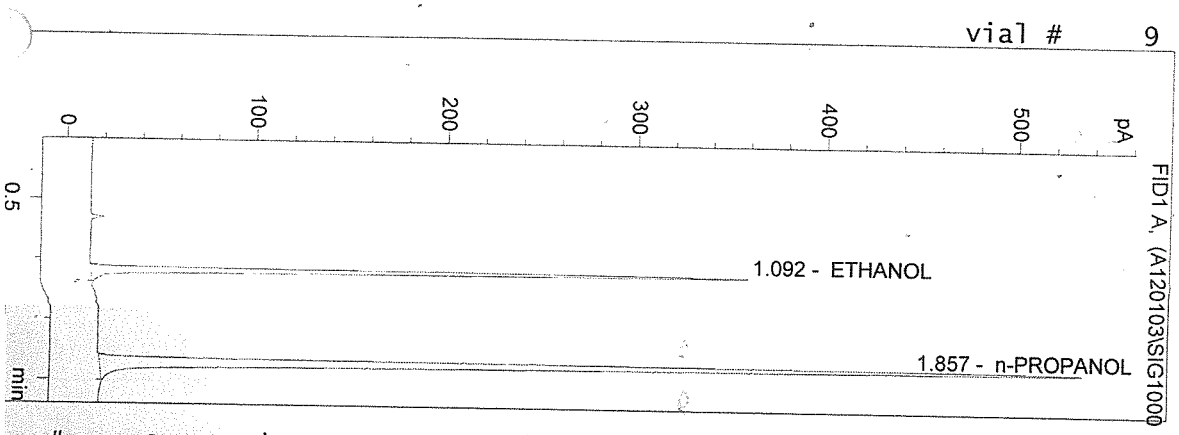
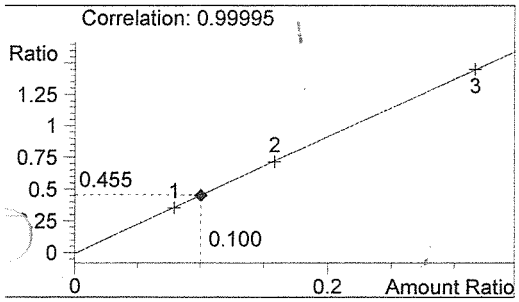
vial # 9

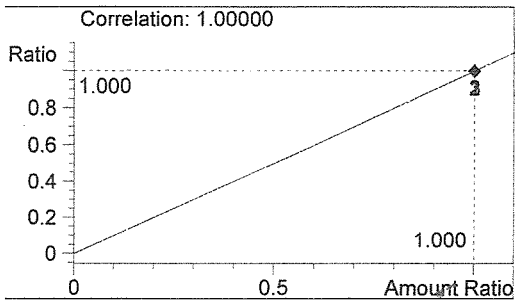


#	Compound	Area	RT
1	ETHANOL	653	1.092
2	n-PROPANOL	1434	1.857

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL