

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

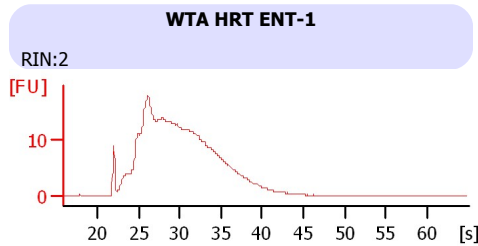
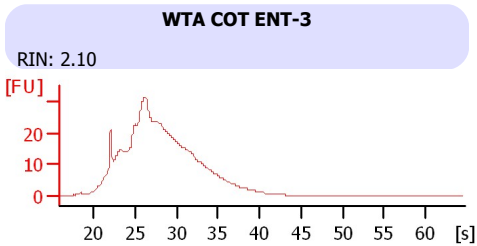
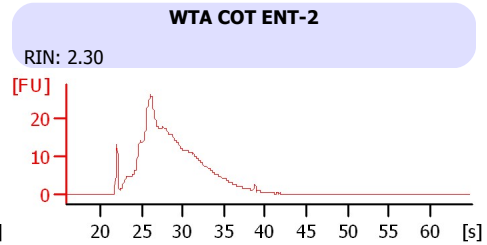
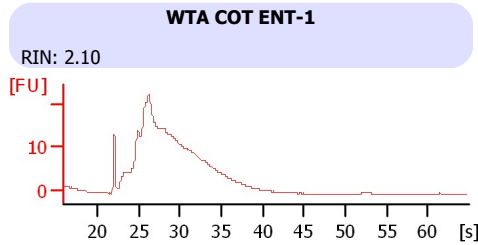
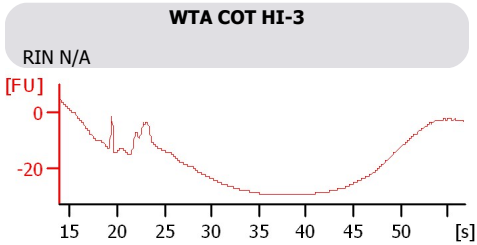
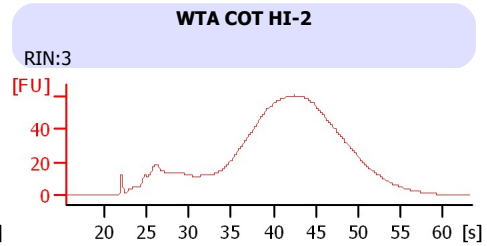
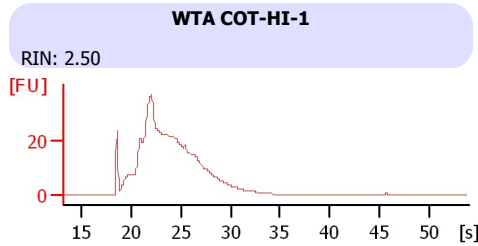
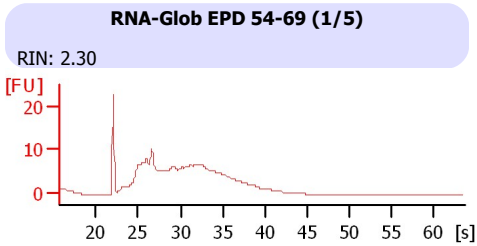
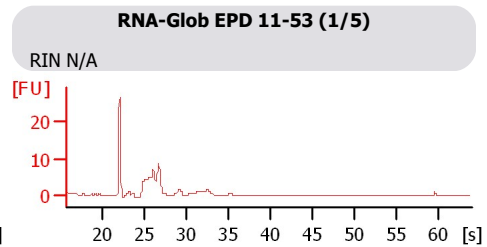
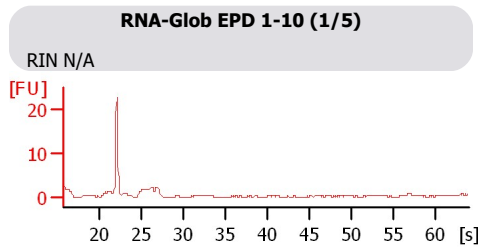
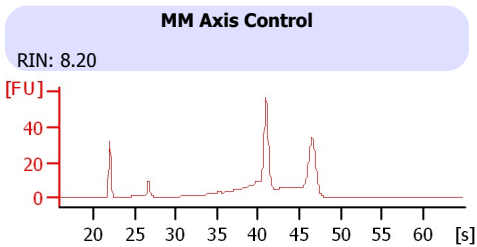
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

Chip Lot #: Reagent Kit Lot #: Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
MM Axis Control		✓	RIN: 8.20	
RNA-Glob EPD 1-10 (1/5)		✓	RIN N/A	
RNA-Glob EPD 11-53 (1/5)		✓	RIN N/A	
RNA-Glob EPD 54-69 (1/5)		✓	RIN: 2.30	
WTA COT-HI-1		✓	RIN: 2.50	
WTA COT HI-2		✓	RIN:3	
WTA COT HI-3		✓	RIN N/A	
WTA COT ENT-1		✓	RIN: 2.10	
WTA COT ENT-2		✓	RIN: 2.30	
WTA COT ENT-3		✓	RIN: 2.10	
WTA HRT ENT-1		✓	RIN:2	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

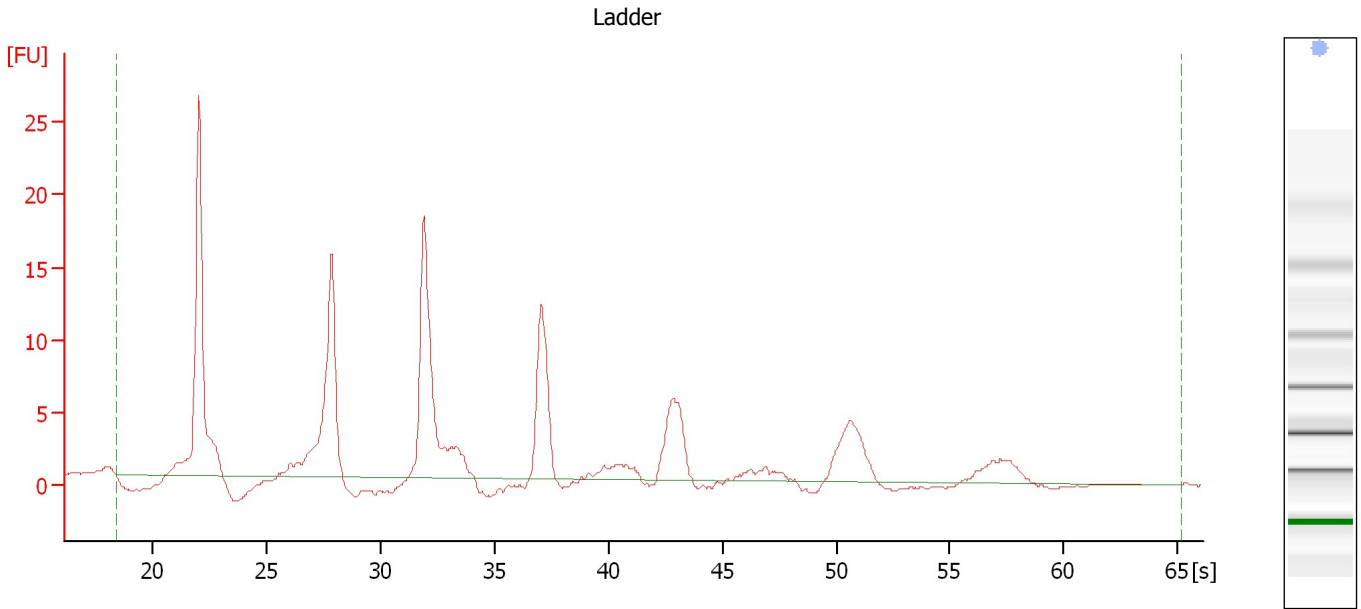
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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Electropherogram Summary



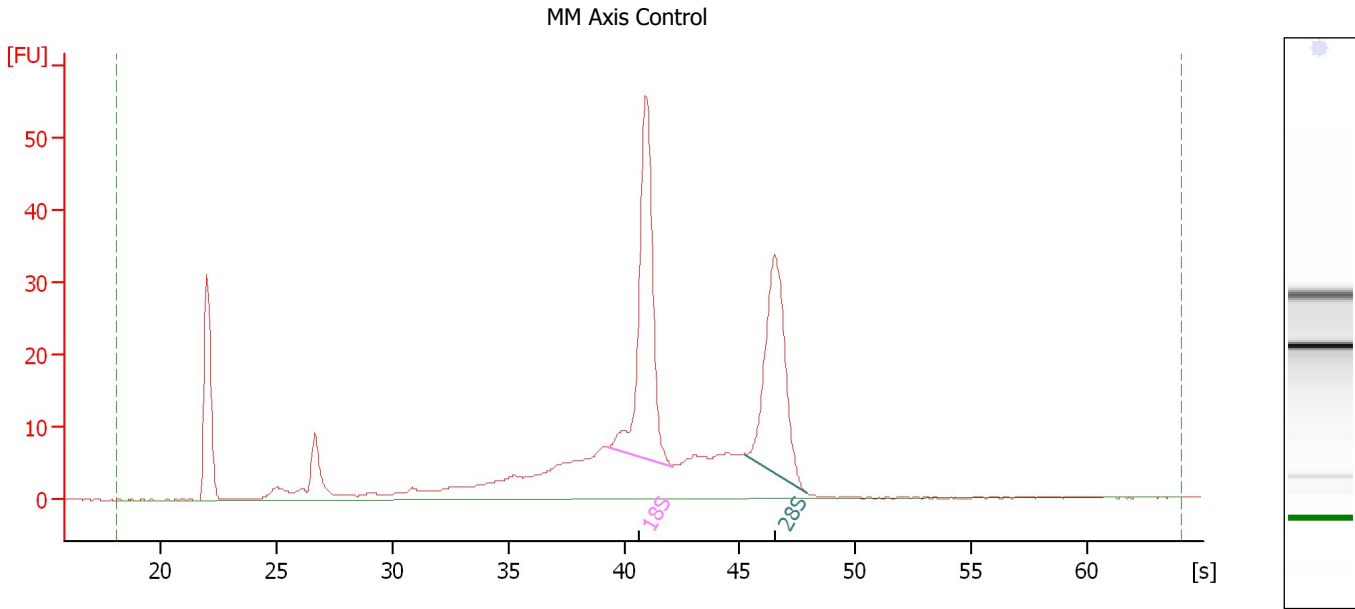
Overall Results for Ladder

RNA Area:	123.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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 Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : MM Axis Control

RNA Area:	352.8	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	2,853 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 8.20

Fragment table for sample 1 : MM Axis Control

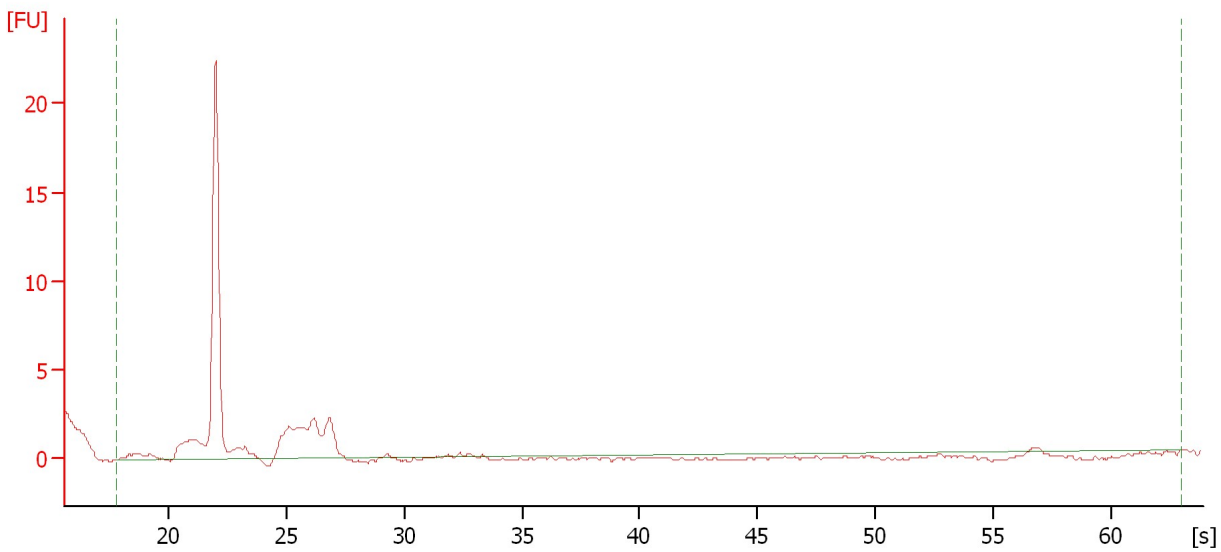
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.22	42.10	82.8	23.5
28S	45.25	47.95	63.9	18.1

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Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

RNA-Glob EPD 1-10 (1/5)



Overall Results for sample 2 : RNA-Glob EPD 1-10 (1/5)

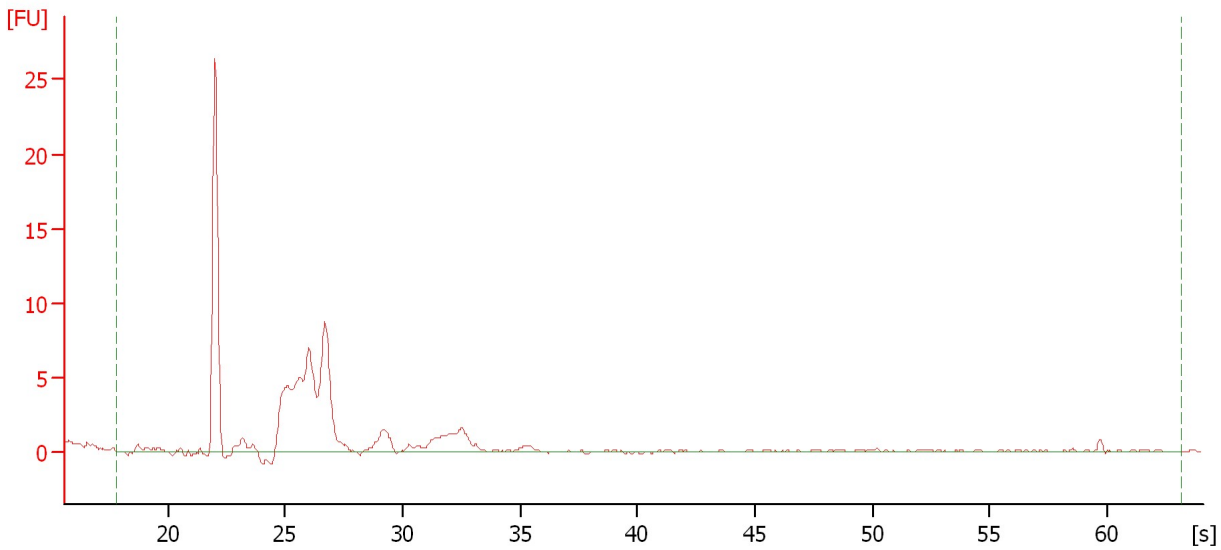
RNA Area:	26.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	213 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
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Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

RNA-Glob EPD 11-53 (1/5)



Overall Results for sample 3 : RNA-Glob EPD 11-53 (1/5)

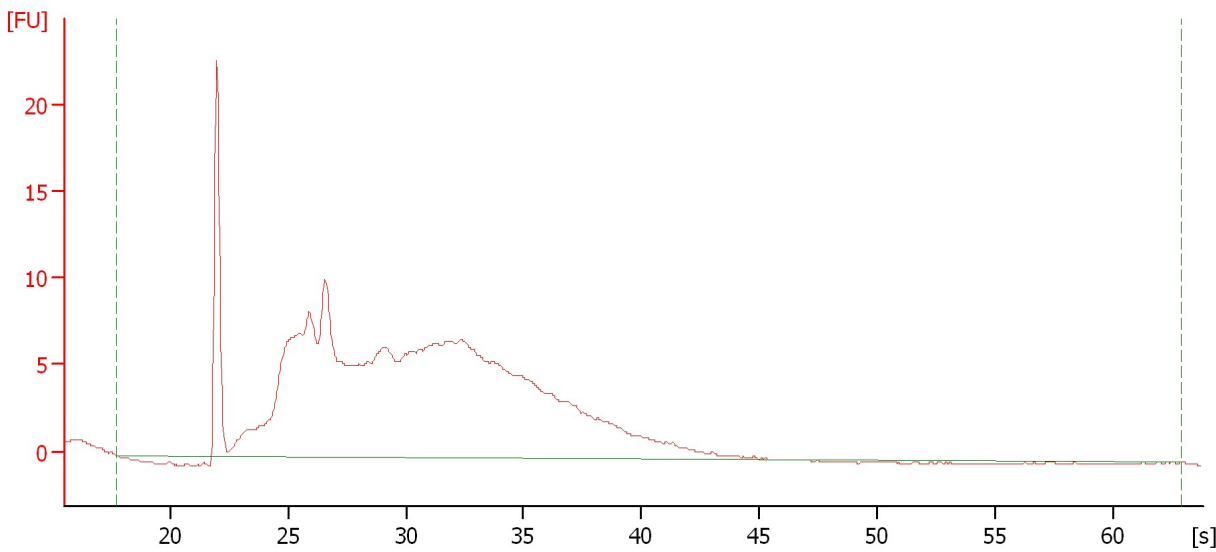
RNA Area:	65.4	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	529 µg/µl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

RNA-Glob EPD 54-69 (1/5)



Overall Results for sample 4 : RNA-Glob EPD 54-69 (1/5)

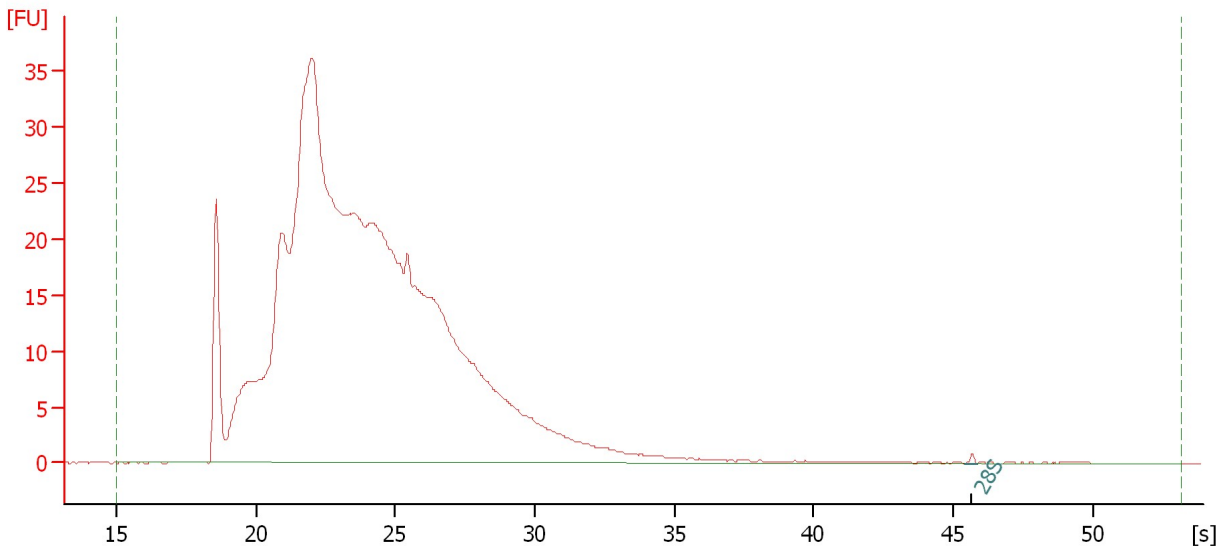
RNA Area:	277.4	RNA Integrity Number (RIN):	2.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,243 pg/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

WTA COT-HI-1



Overall Results for sample 5 : WTA COT-HI-1

RNA Area:	520.2	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	4,207 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

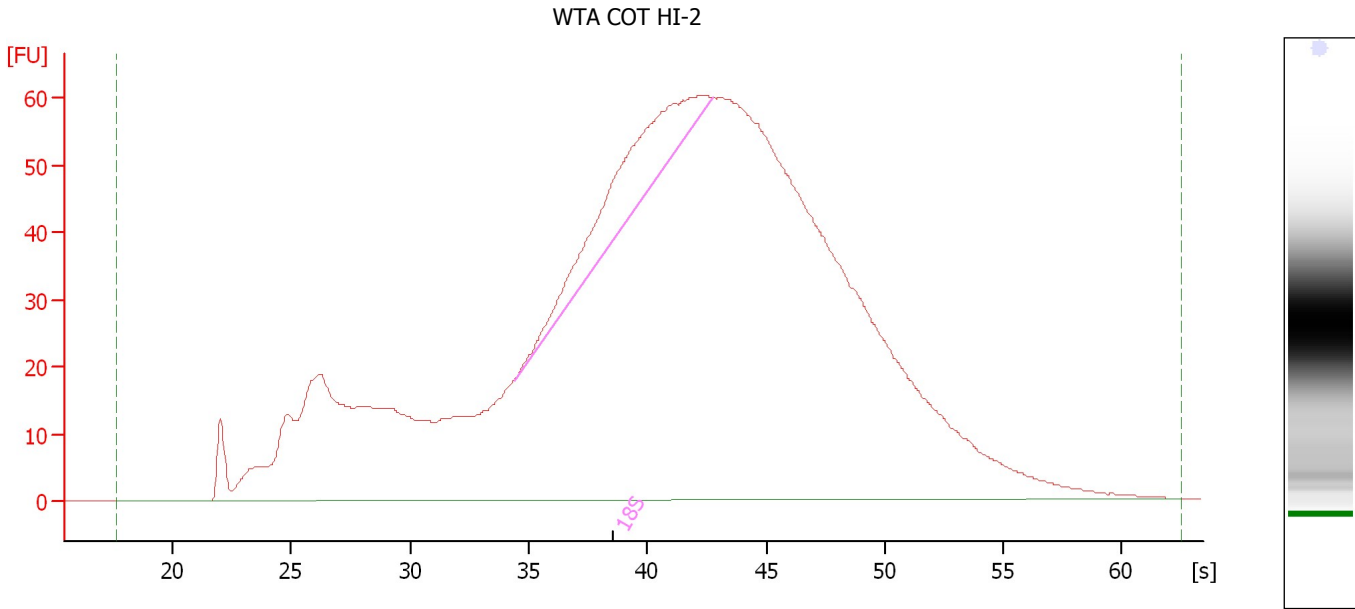
Fragment table for sample 5 : WTA COT-HI-1

Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	45.46	45.85	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : WTA COT HI-2

RNA Area:	2,293.3	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	18,545 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

Fragment table for sample 6 : WTA COT HI-2

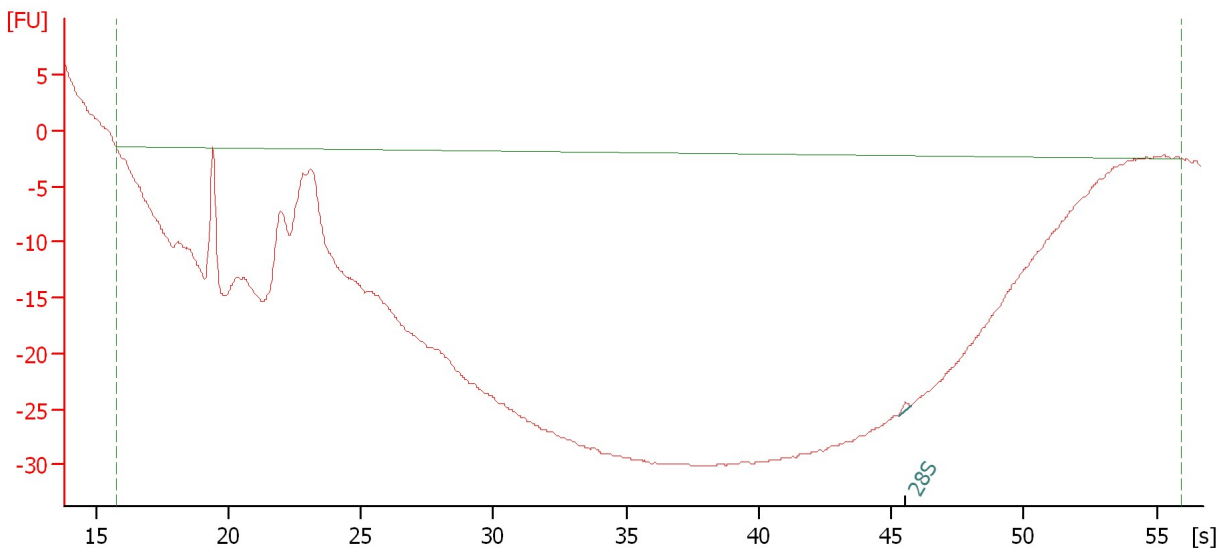
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	34.40	42.78	114.6	5.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

WTA COT HI-3



Overall Results for sample 7 : WTA COT HI-3

RNA Area:	0.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 7 : WTA COT HI-3

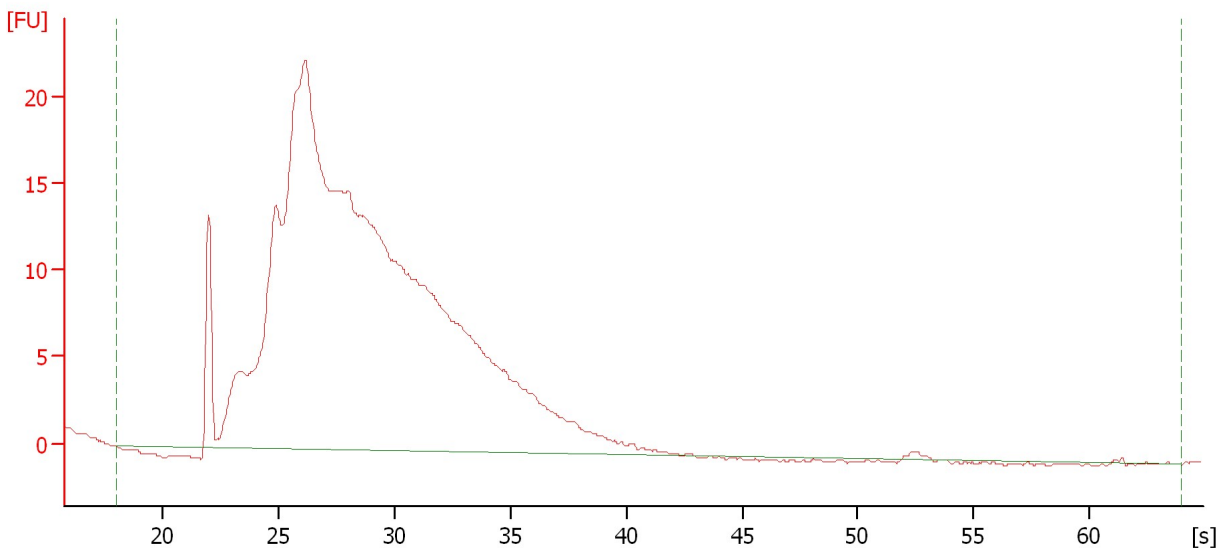
Name	Start Time [s]	End Time [s]	Area	% of total Area
28S	45.26	45.74	0.4	222.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

WTA COT ENT-1



Overall Results for sample 8 : WTA COT ENT-1

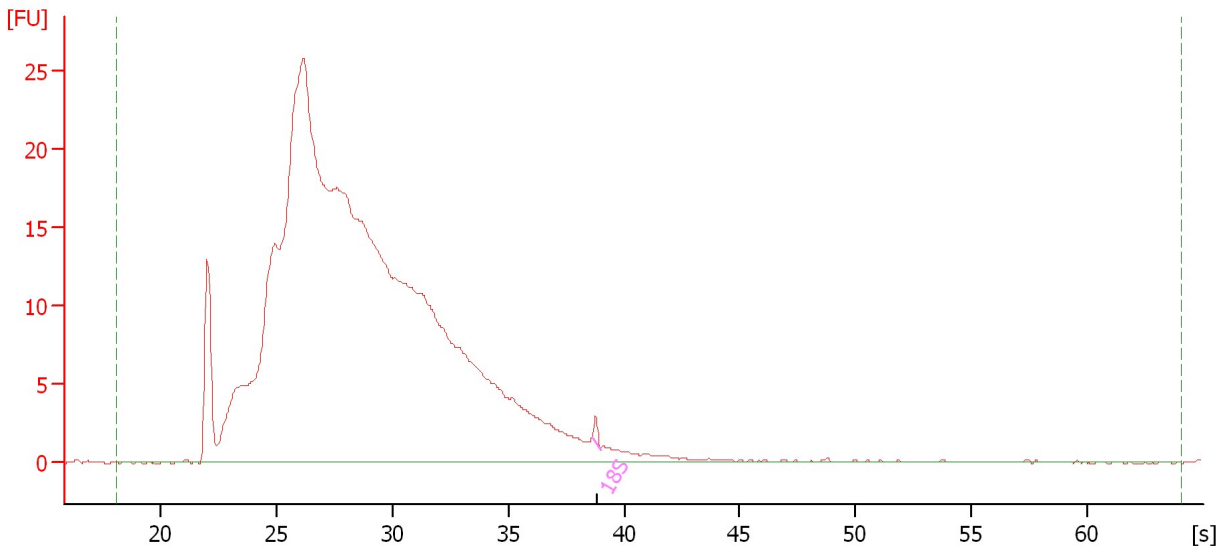
RNA Area:	490.9	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	3,970 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

WTA COT ENT-2



Overall Results for sample 9 : WTA COT ENT-2

RNA Area:	540.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	4,366 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

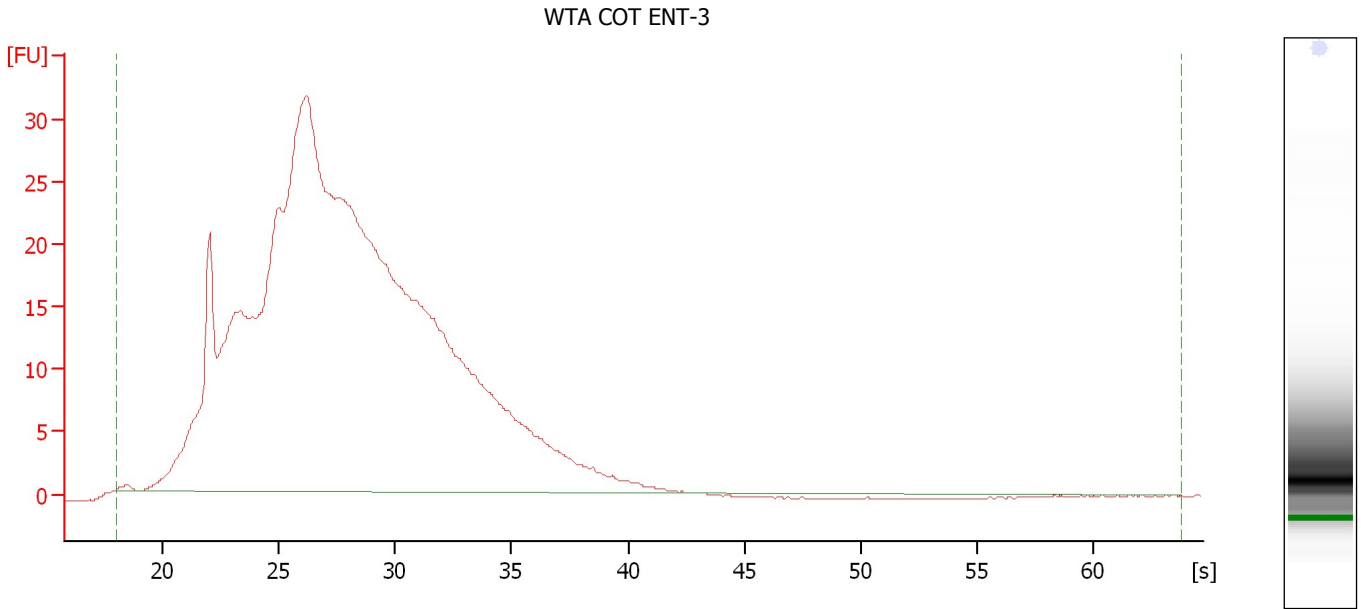
Fragment table for sample 9 : WTA COT ENT-2

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.62	38.99	0.9	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : WTA COT ENT-3

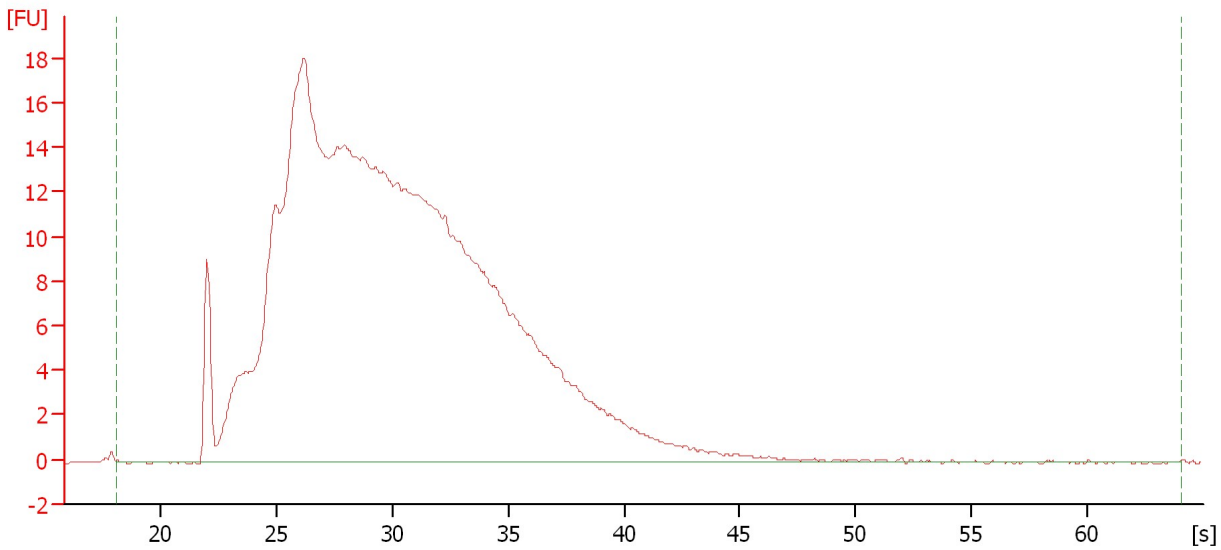
RNA Area:	816.0	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	6,598 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Electropherogram Summary Continued ...

WTA HRT ENT-1



Overall Results for sample 11 : WTA HRT ENT-1

RNA Area:	529.9	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	4,285 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

Created: 3/18/2013 11:33:16 AM
Modified: 3/18/2013 11:56:11 AM

Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad

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 Modified: 3/18/2013 11:56:11 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		3/18/2013 11:56:07 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-03-18\2013-03-18_003.xad)		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/18/2013 11:33:16 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1