

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

Created: 8/24/2012 4:44:36 PM
Modified: 8/24/2012 5:10:03 PM

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)

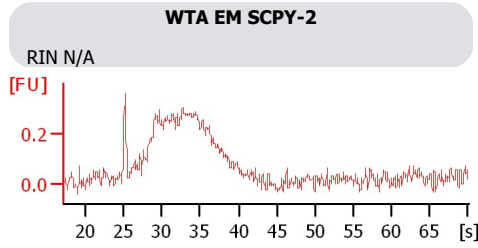
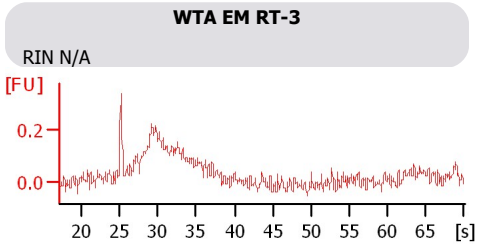
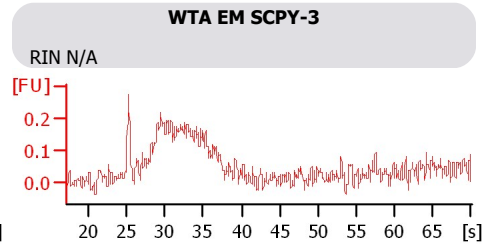
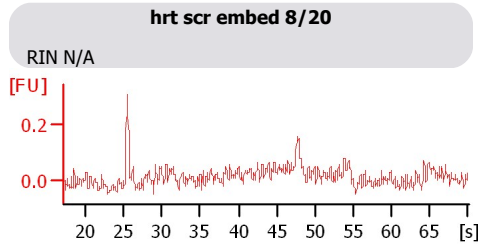
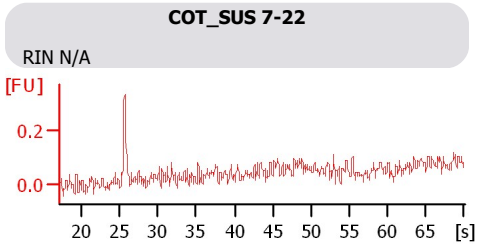
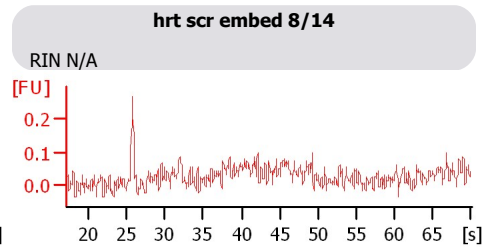
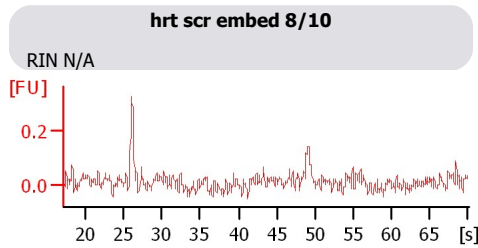
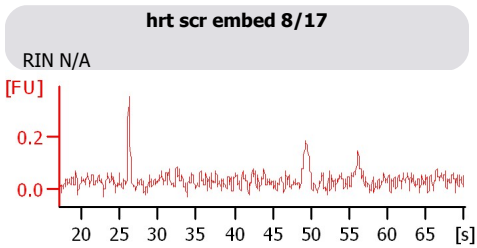
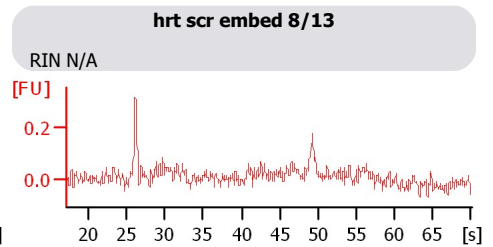
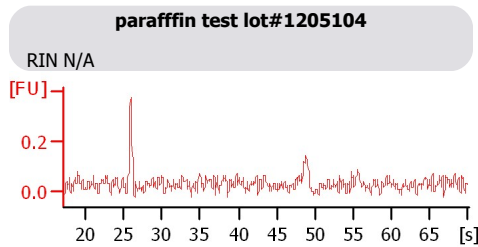
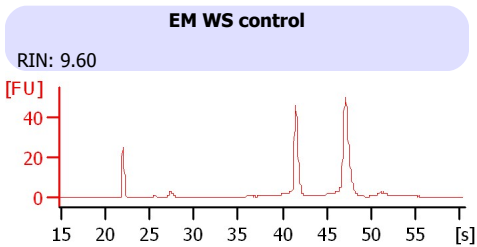
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Chip Information:

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
EM WS control		✓	RIN: 9.60	
paraffin test lot#1205104		✓	RIN N/A	
hrt scr embed 8/13		✓	RIN N/A	
hrt scr embed 8/17		✓	RIN N/A	
hrt scr embed 8/10		✓	RIN N/A	
hrt scr embed 8/14		✓	RIN N/A	
COT_SUS 7-22		✓	RIN N/A	
hrt scr embed 8/20		✓	RIN N/A	
WTA EM SCPY-3		✓	RIN N/A	
WTA EM RT-3		✓	RIN N/A	
WTA EM SCPY-2		✓	RIN N/A	
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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

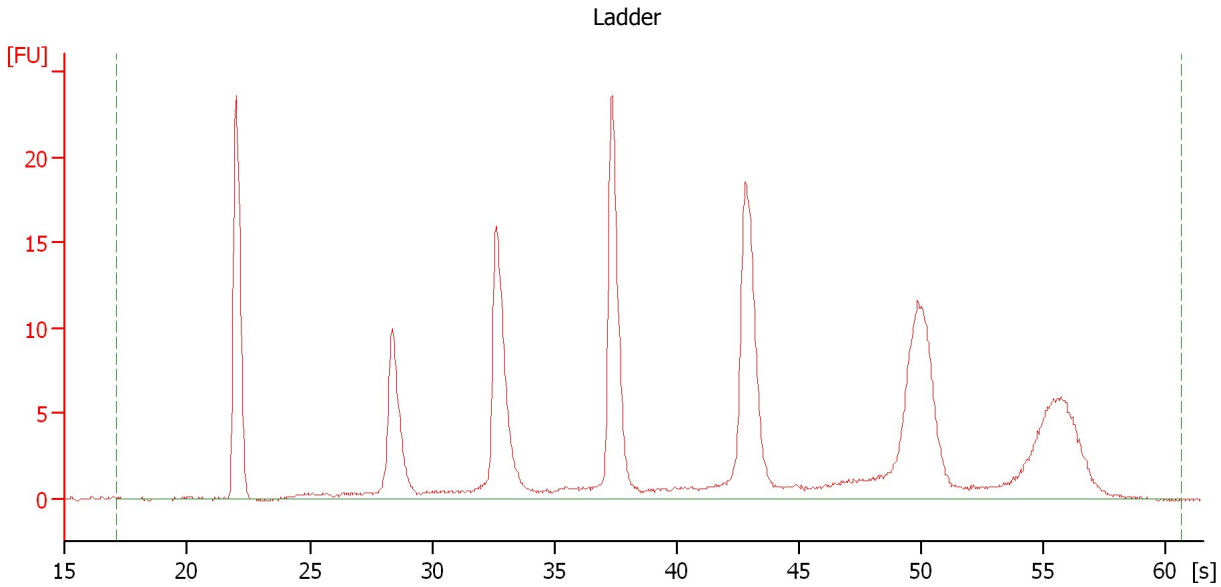
Ladder

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

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Electropherogram Summary



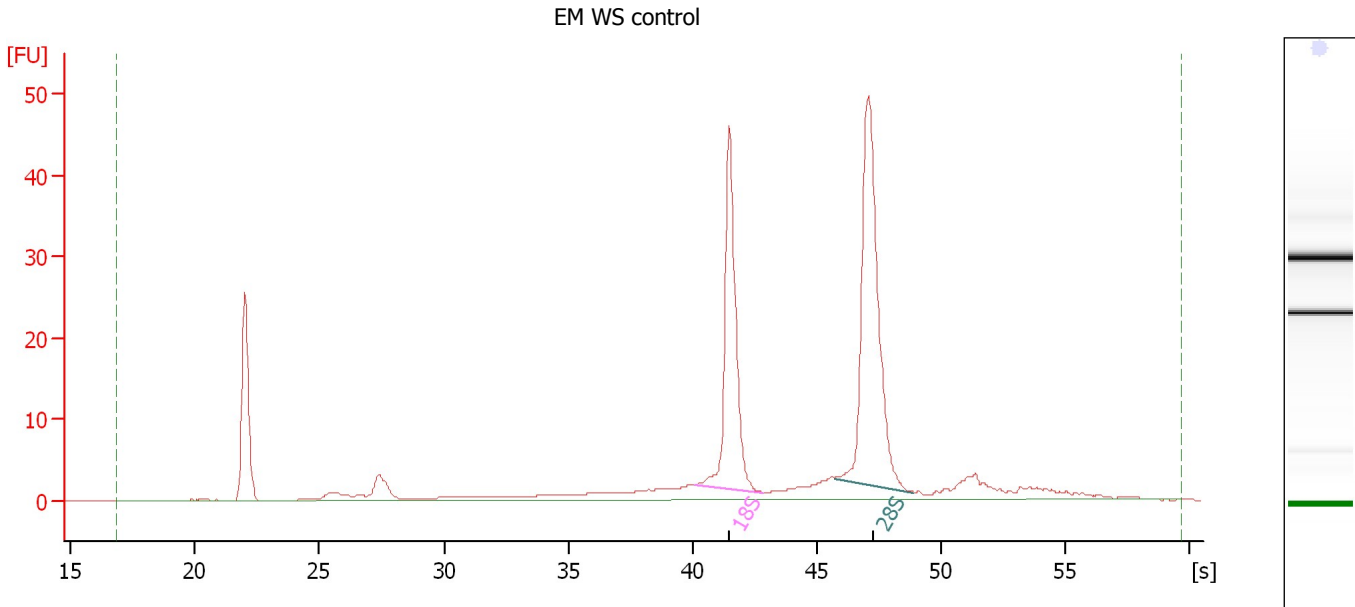
Overall Results for Ladder

RNA Area:	192.1	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : EM WS control

RNA Area:	212.3	RNA Integrity Number (RIN):	9.6 (B.02.08)
RNA Concentration:	1,105 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.60

Fragment table for sample 1 : EM WS control

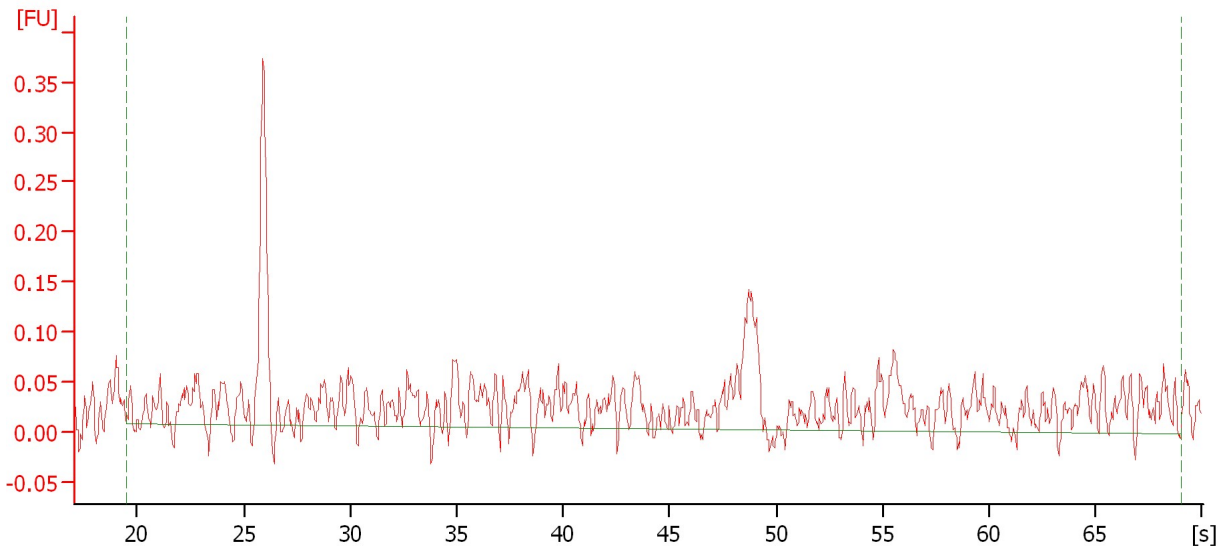
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,495	2,005	53.7	25.3
28S	2,829	3,727	75.4	35.5

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Electropherogram Summary Continued ...

paraffin test lot#1205104



Setpoint Deviations for sample 2 : paraffin test lot#1205104

Area Threshold : 0.1

Overall Results for sample 2 : paraffin test lot#1205104

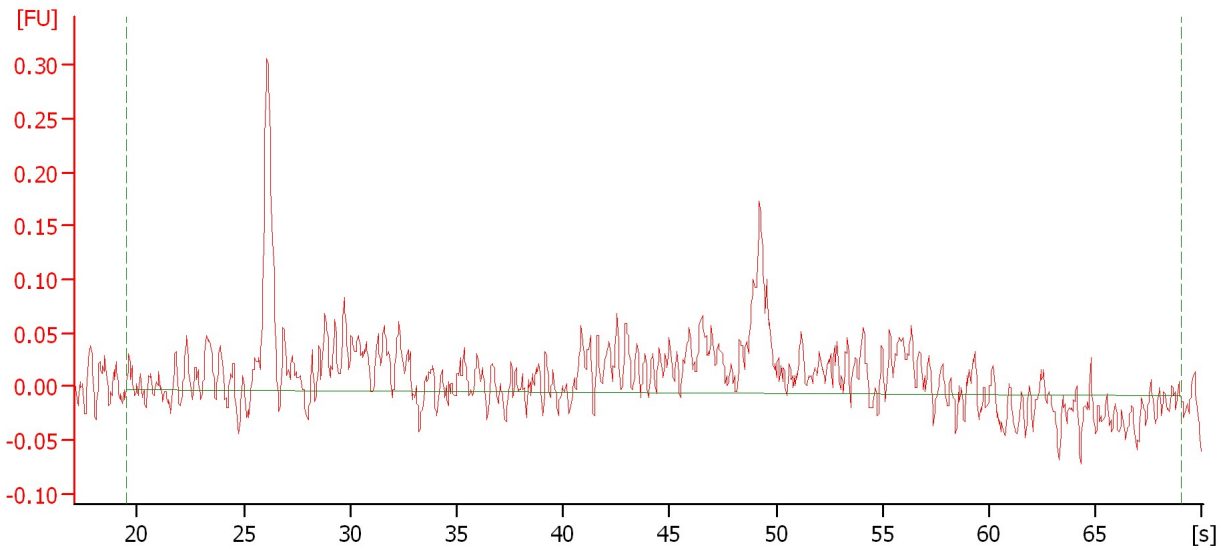
RNA Concentration:	17 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

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Electropherogram Summary Continued ...

hrt scr embed 8/13



Overall Results for sample 3 : hrt scr embed 8/13

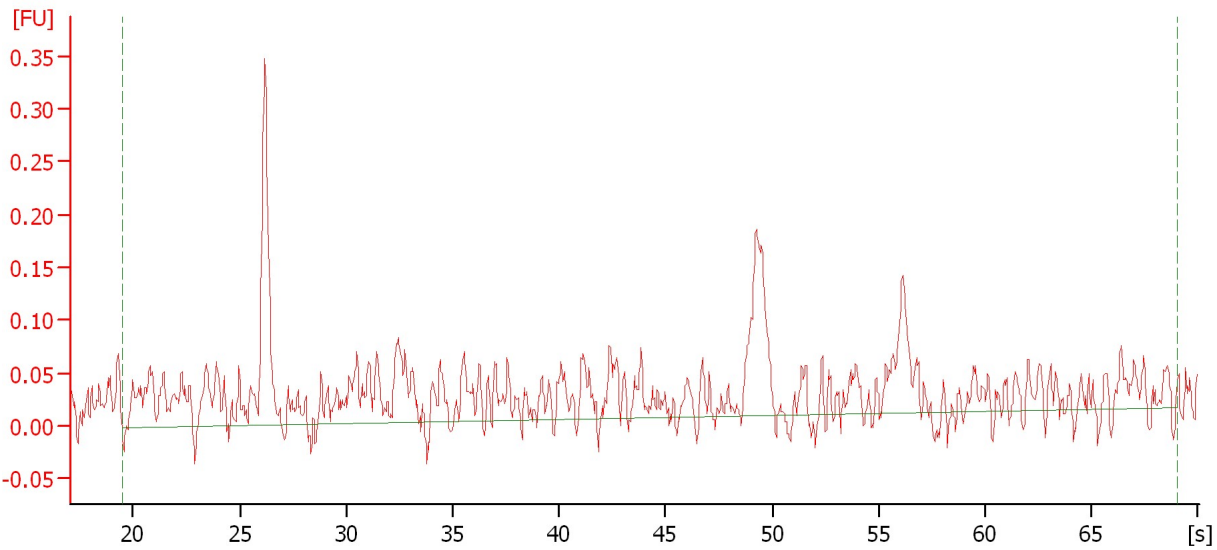
RNA Concentration:	15 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

hrt scr embed 8/17



Overall Results for sample 4 : hrt scr embed 8/17

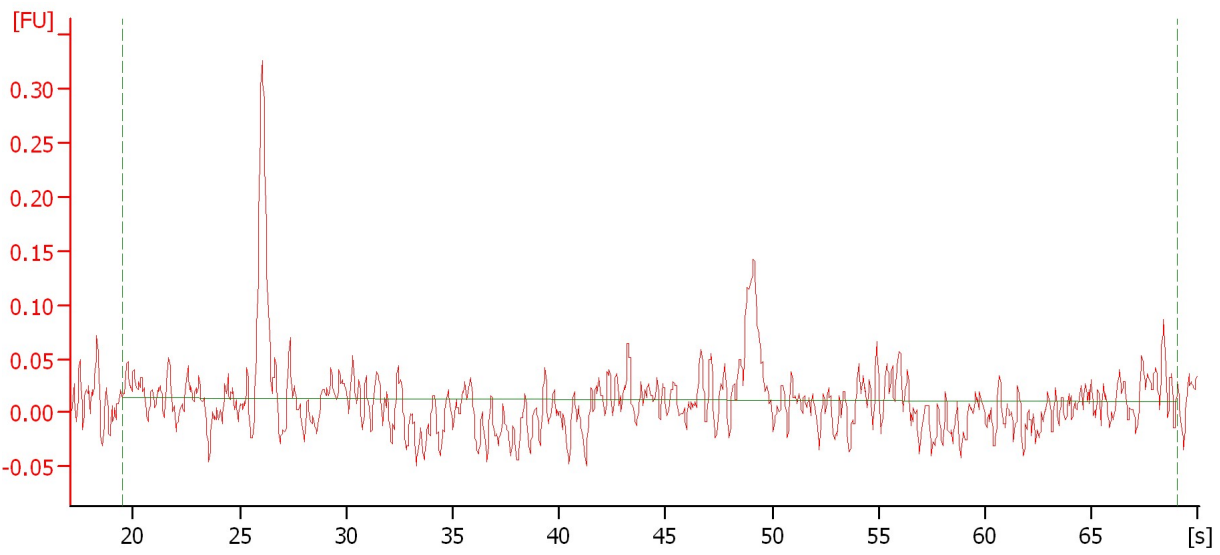
RNA Concentration:	18 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

hrt scr embed 8/10



Overall Results for sample 5 : hrt scr embed 8/10

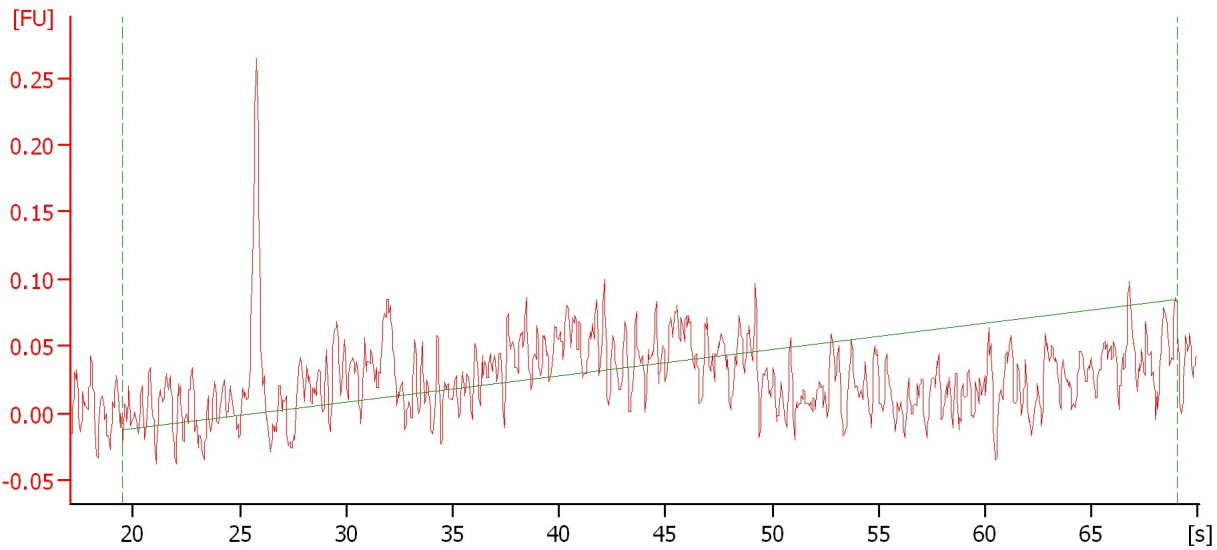
RNA Concentration:	7 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

hrt scr embed 8/14



Overall Results for sample 6 : hrt scr embed 8/14

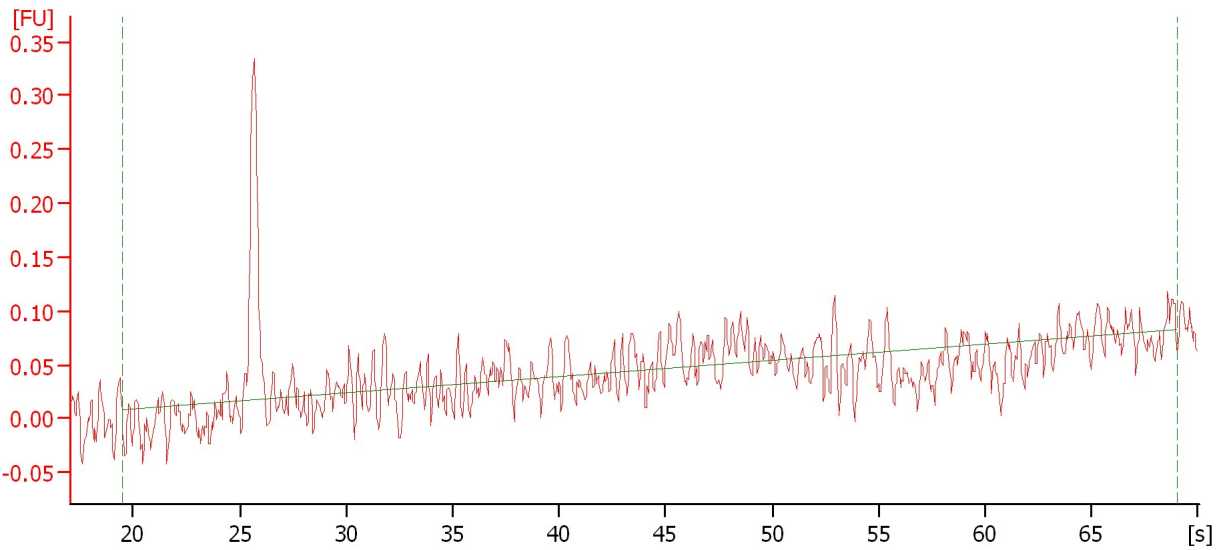
RNA Concentration:	9 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

COT_SUS 7-22



Setpoint Deviations for sample 7 : COT_SUS 7-22

Height Threshold [FU] : 0.05 Width Threshold [s] : 0.1

Overall Results for sample 7 : COT_SUS 7-22

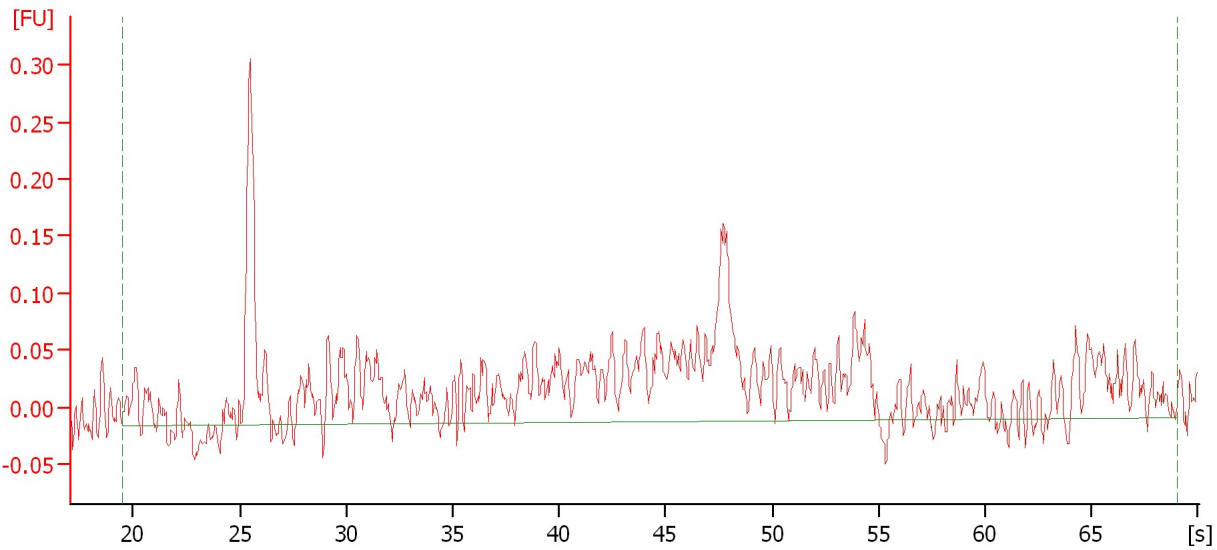
RNA Concentration: 6 pg/ μ l Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

hrt scr embed 8/20



Overall Results for sample 8 : hrt scr embed 8/20

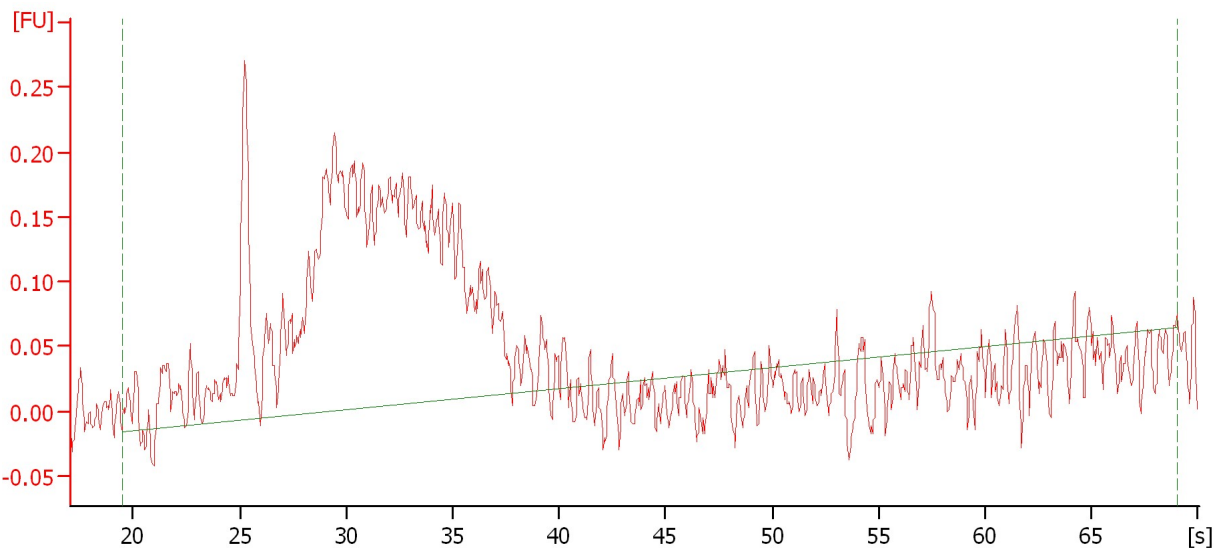
RNA Concentration:	20 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

WTA EM SCPY-3



Overall Results for sample 9 : WTA EM SCPY-3

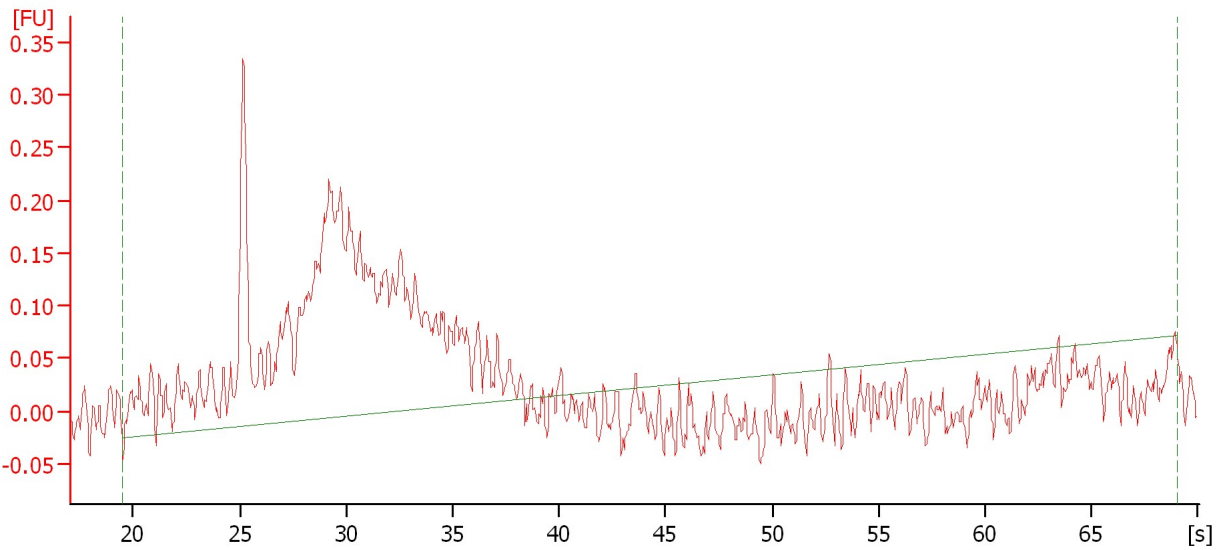
RNA Concentration:	29 pg/ μ l	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
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Electropherogram Summary Continued ...

WTA EM RT-3



Overall Results for sample 10 : WTA EM RT-3

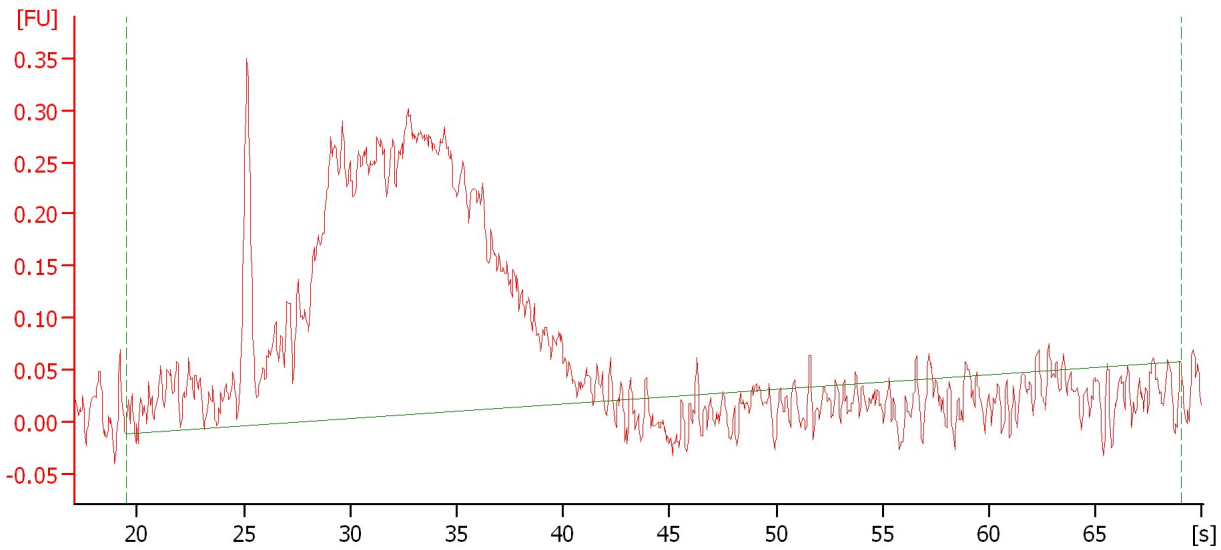
RNA Concentration:	27 pg/μl	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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Electropherogram Summary Continued ...

WTA EM SCPY-2



Overall Results for sample 11 : WTA EM SCPY-2

RNA Concentration:	48 pg/ μ l	Result Flagging Color:	<input type="checkbox"/>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-24\2012-08-24_003.xad

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