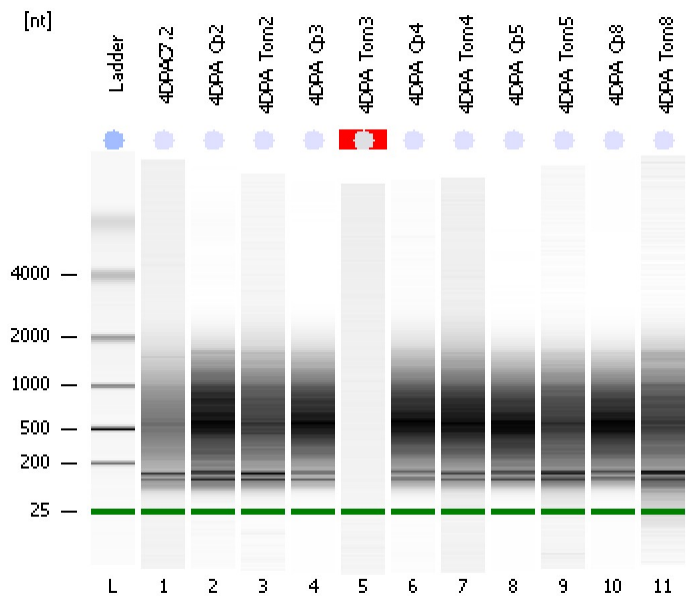


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electrophoresis File Run Summary



Instrument Information:

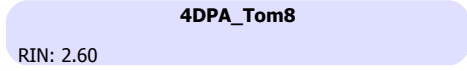
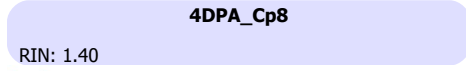
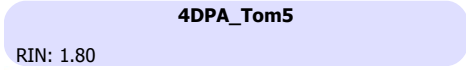
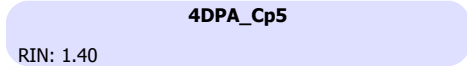
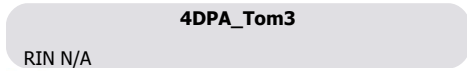
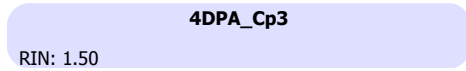
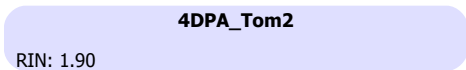
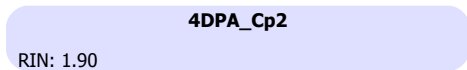
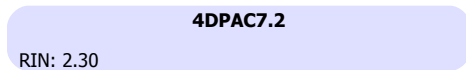
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
 Modified: 12/10/2013 3:37:56 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4DPAC7.2		✓	RIN: 2.30	
4DPA_Cp2		✓	RIN: 1.90	
4DPA_Tom2		✓	RIN: 1.90	
4DPA_Cp3		✓	RIN: 1.50	
4DPA_Tom3		✓	RIN N/A	
4DPA_Cp4		✓	RIN: 1.60	
4DPA_Tom4		✓	RIN: 1.90	
4DPA_Cp5		✓	RIN: 1.40	
4DPA_Tom5		✓	RIN: 1.80	
4DPA_Cp8		✓	RIN: 1.40	
4DPA_Tom8		✓	RIN: 2.60	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

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

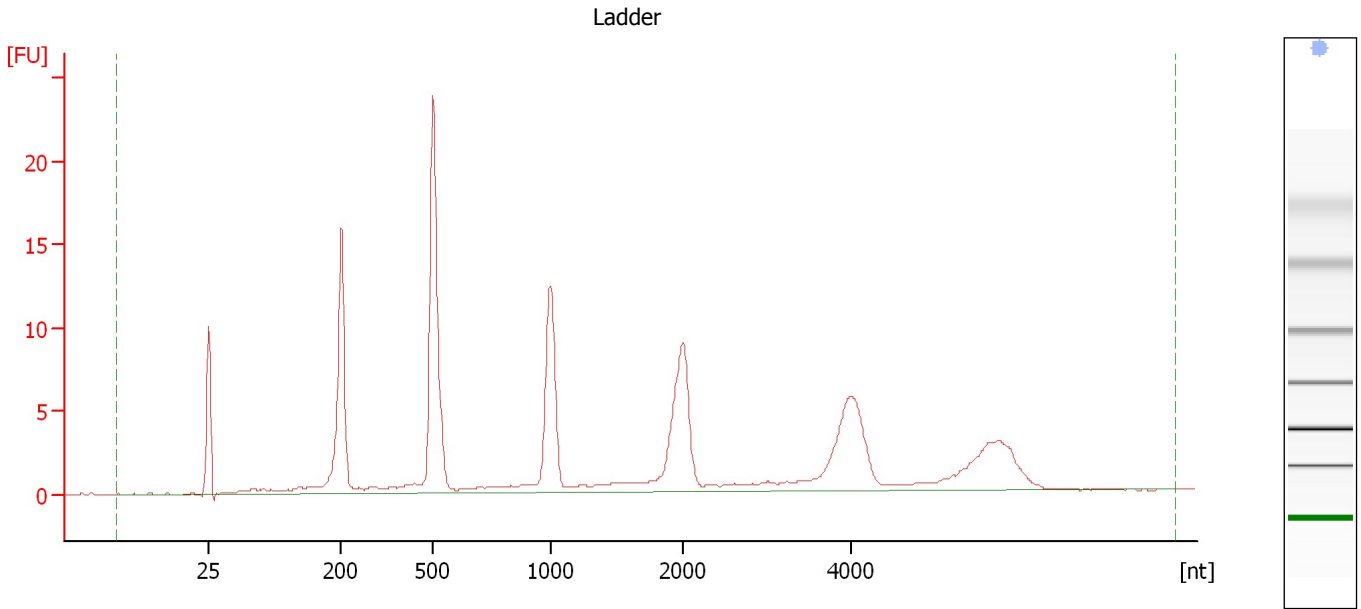
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary



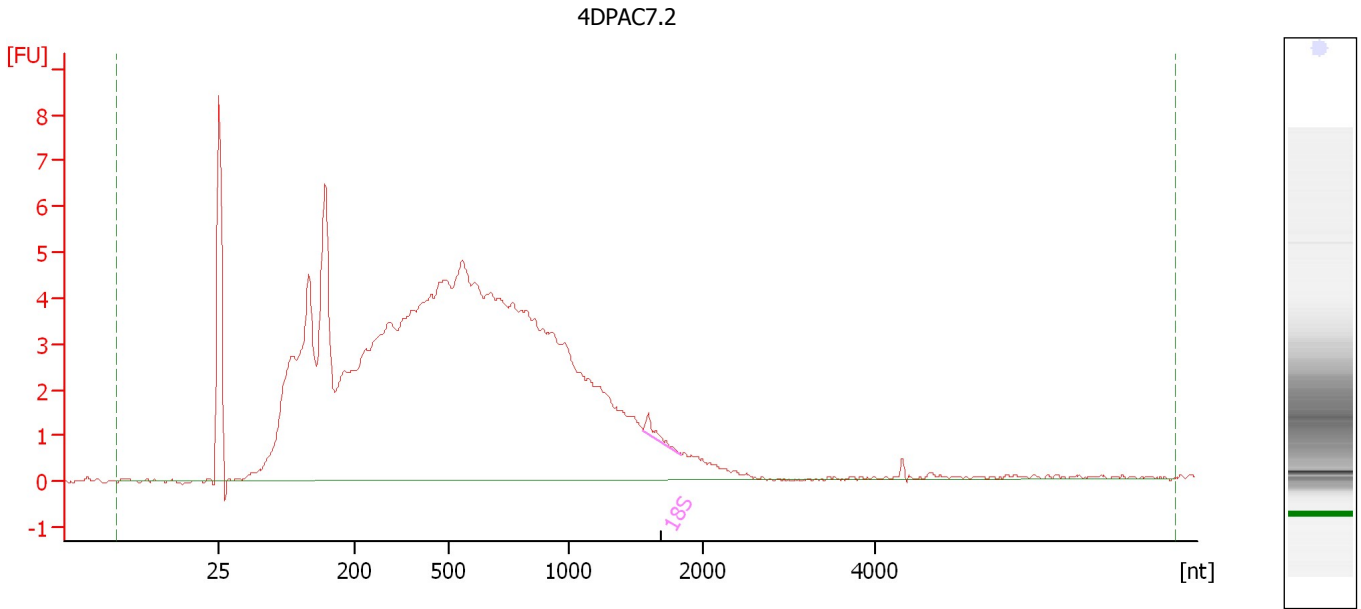
Overall Results for Ladder

RNA Area:	135.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4DPAC7.2

RNA Area:	164.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,218 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

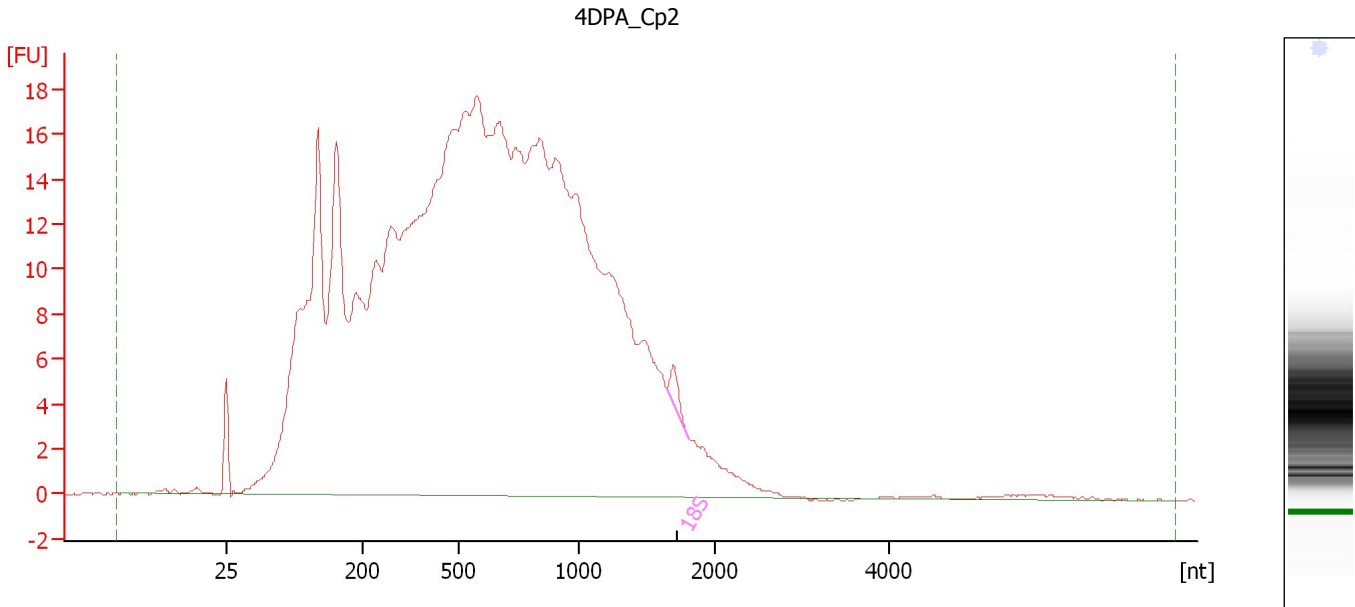
Fragment table for sample 1 : 4DPAC7.2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	1,838	0.5	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4DPA_Cp2

RNA Area: 623.4 RNA Integrity Number (RIN): 1.9 (B.02.08)
RNA Concentration: 4,617 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 1.90

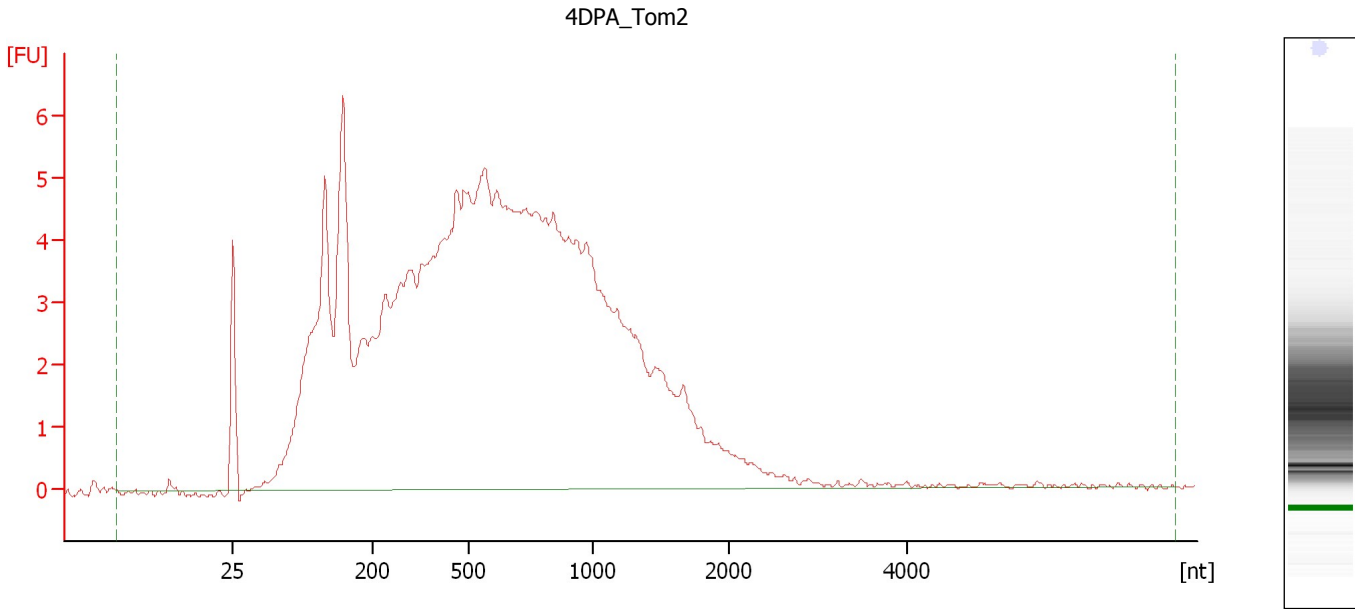
Fragment table for sample 2 : 4DPA_Cp2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,804	1.7	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



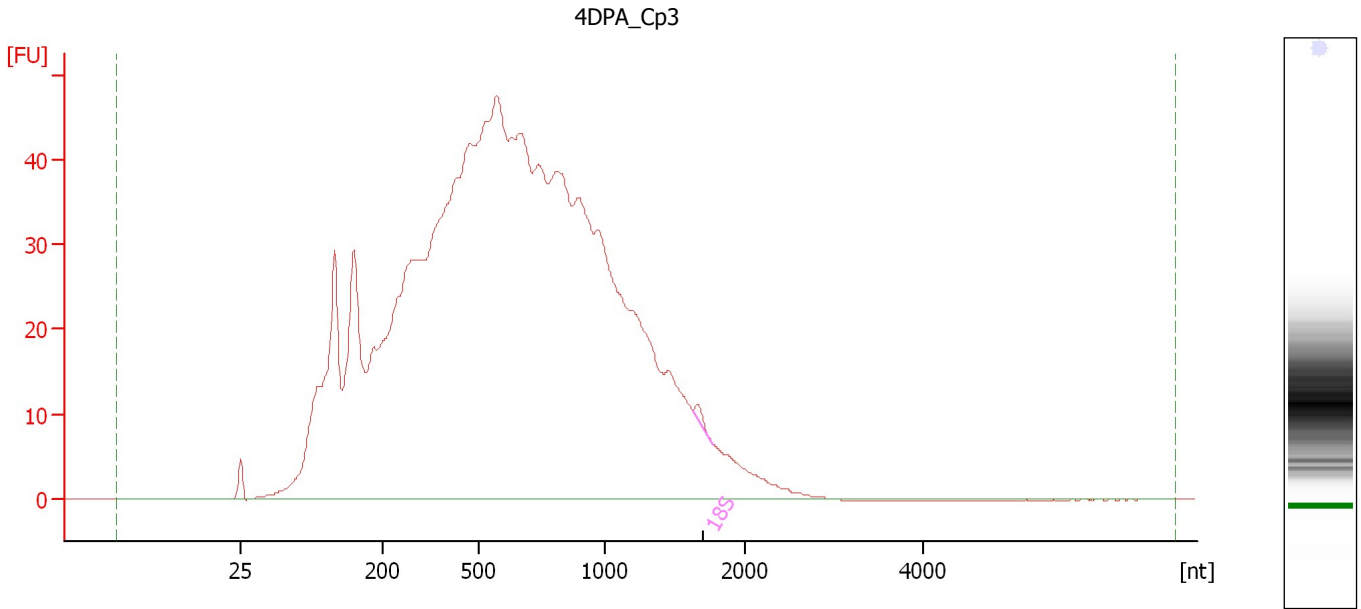
Overall Results for sample 3 : 4DPA Tom2

RNA Area:	181.0	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	1,341 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4DPA_Cp3

RNA Area:	1,431.0	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	10,597 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

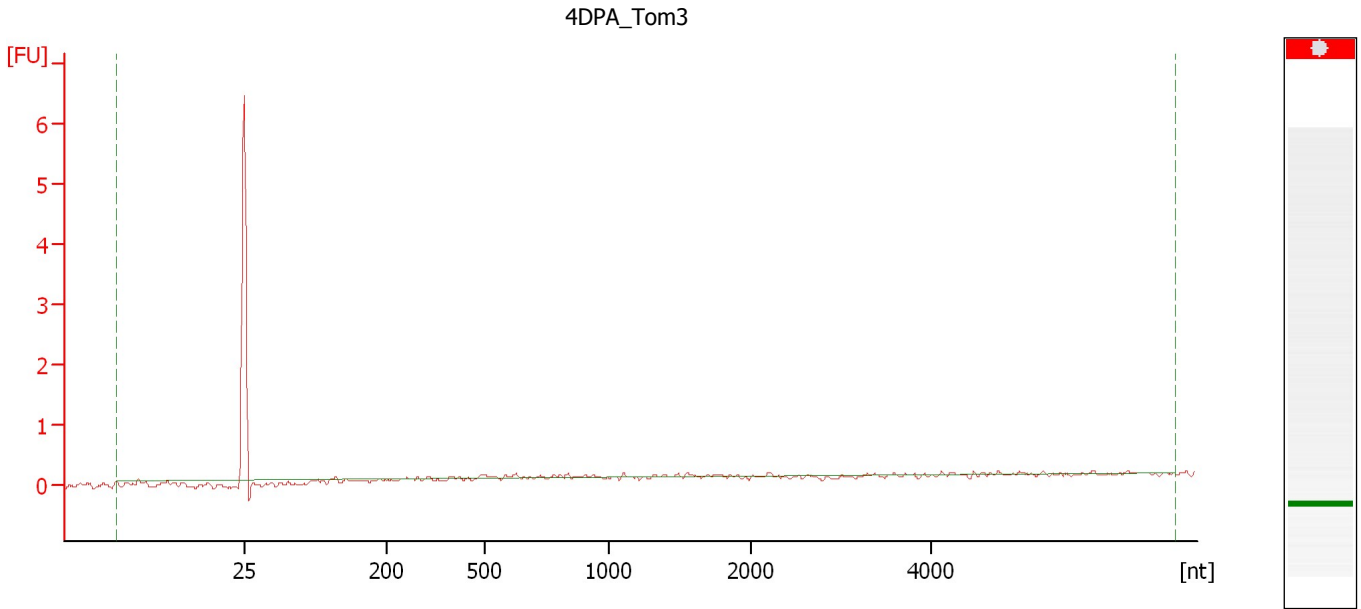
Fragment table for sample 4 : 4DPA_Cp3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,633	1,778	1.5	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



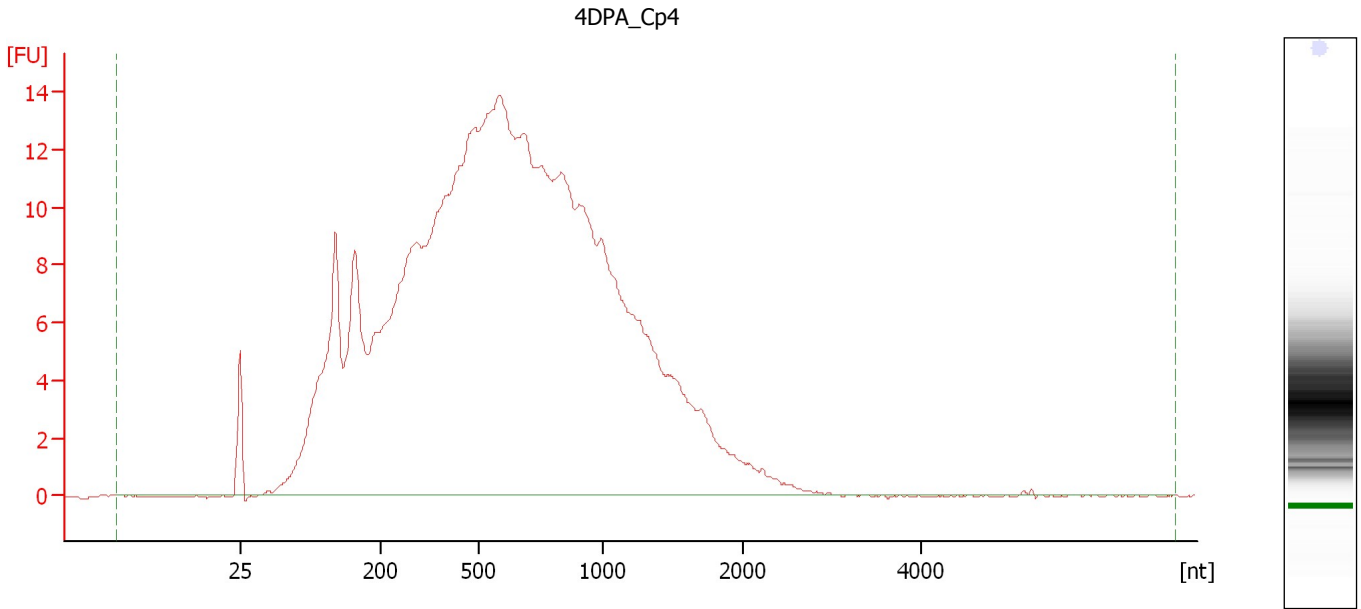
Overall Results for sample 5 : 4DPA Tom3

RNA Area:	1.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 pg/μl	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\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



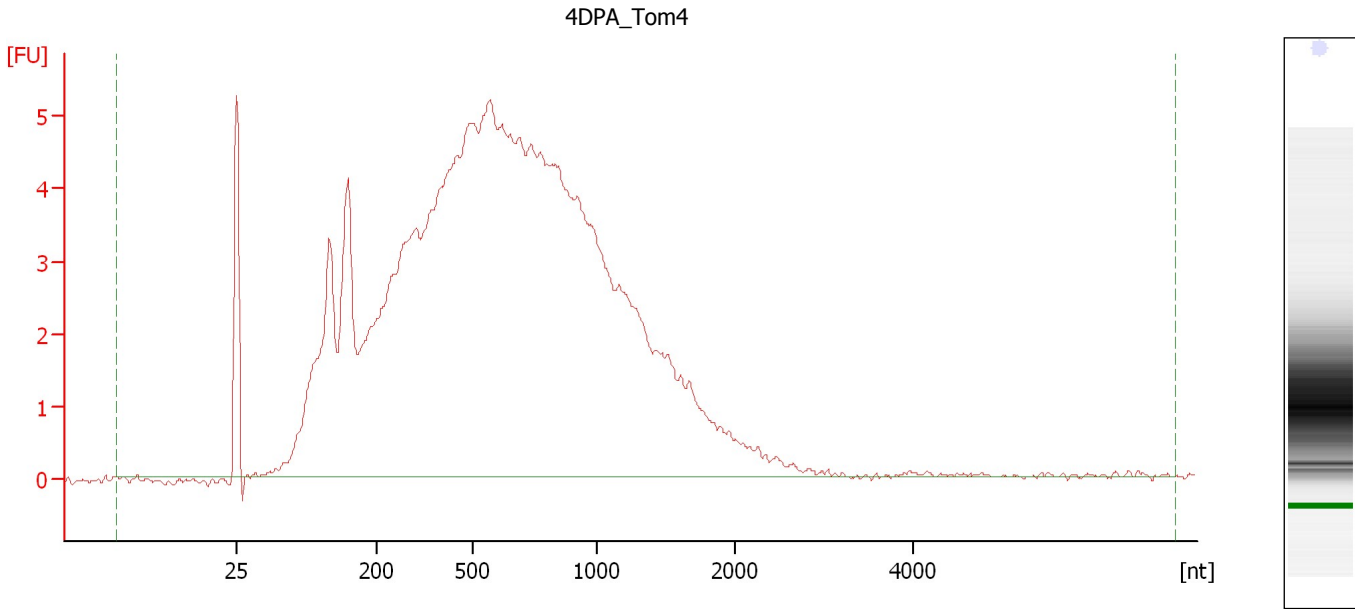
Overall Results for sample 6 : 4DPA_Cp4

RNA Area:	427.9	RNA Integrity Number (RIN):	1.6 (B.02.08)
RNA Concentration:	3,168 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



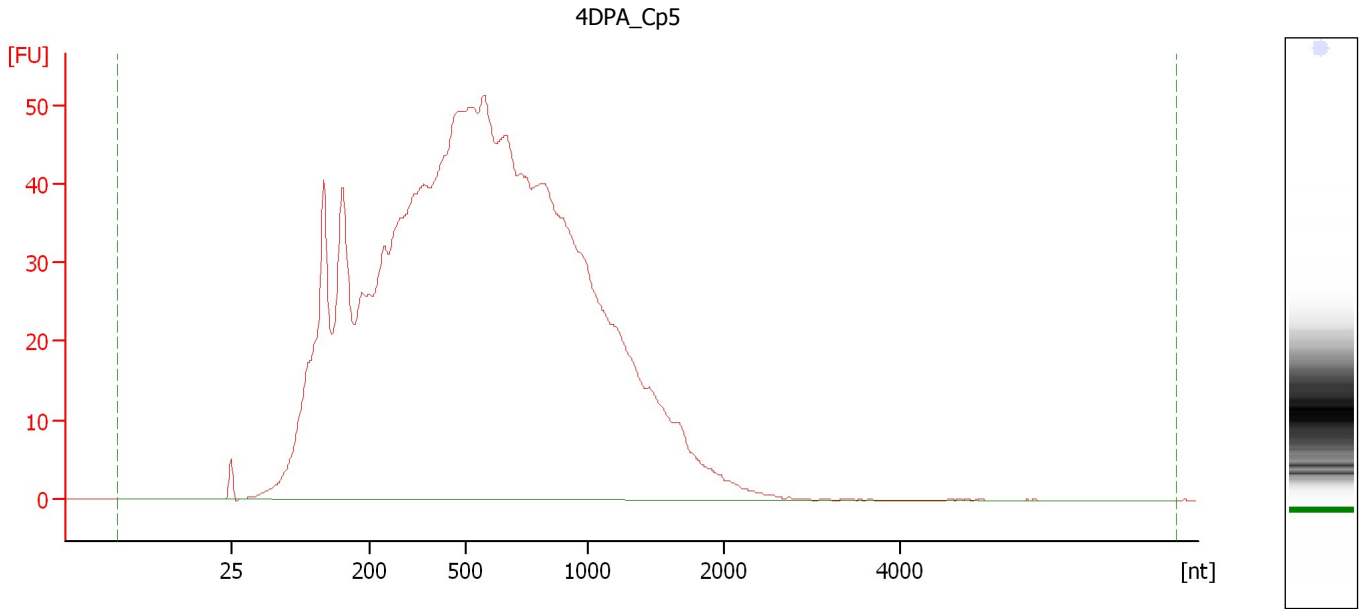
Overall Results for sample 7 : 4DPA Tom4

RNA Area:	165.6	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	1,226 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



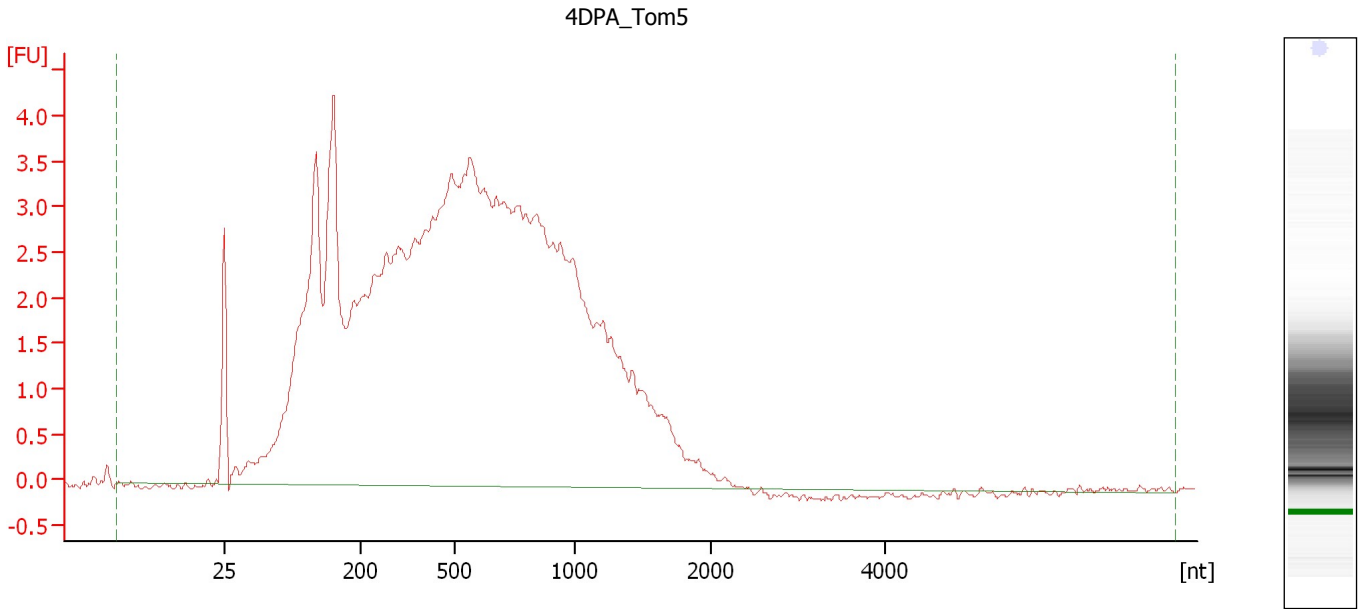
Overall Results for sample 8 : 4DPA_Cp5

RNA Area:	1,634.1	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	12,101 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



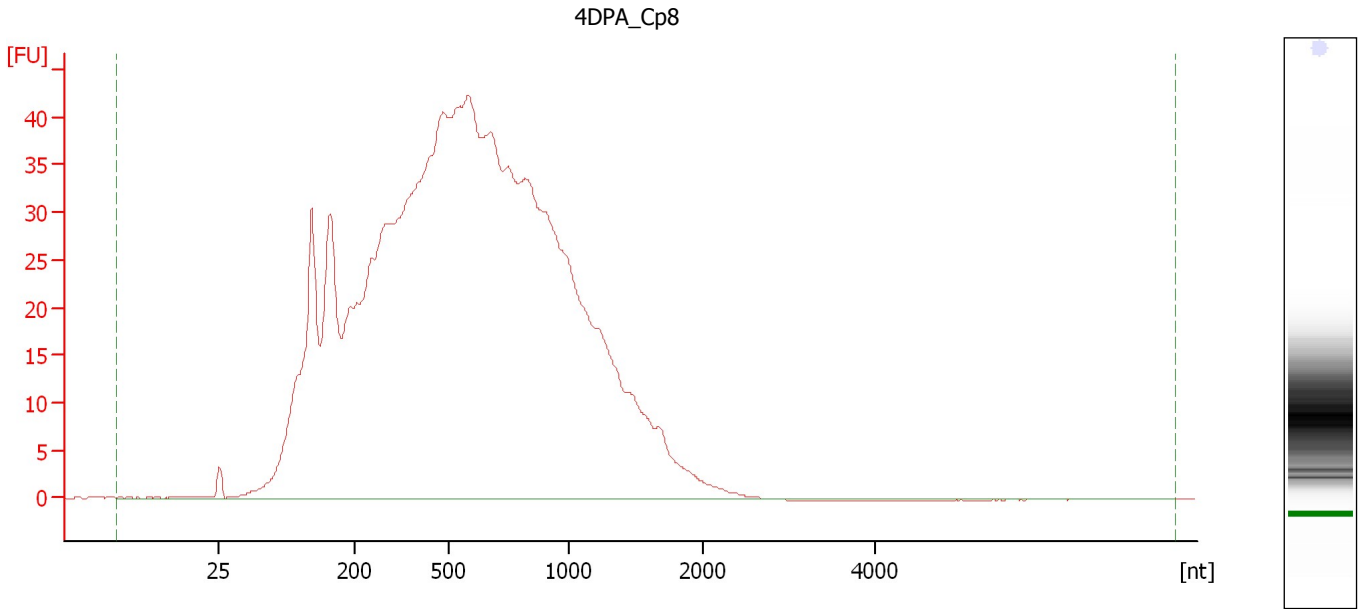
Overall Results for sample 9 : 4DPA Tom5

RNA Area:	126.2	RNA Integrity Number (RIN):	1.8 (B.02.08)
RNA Concentration:	934 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



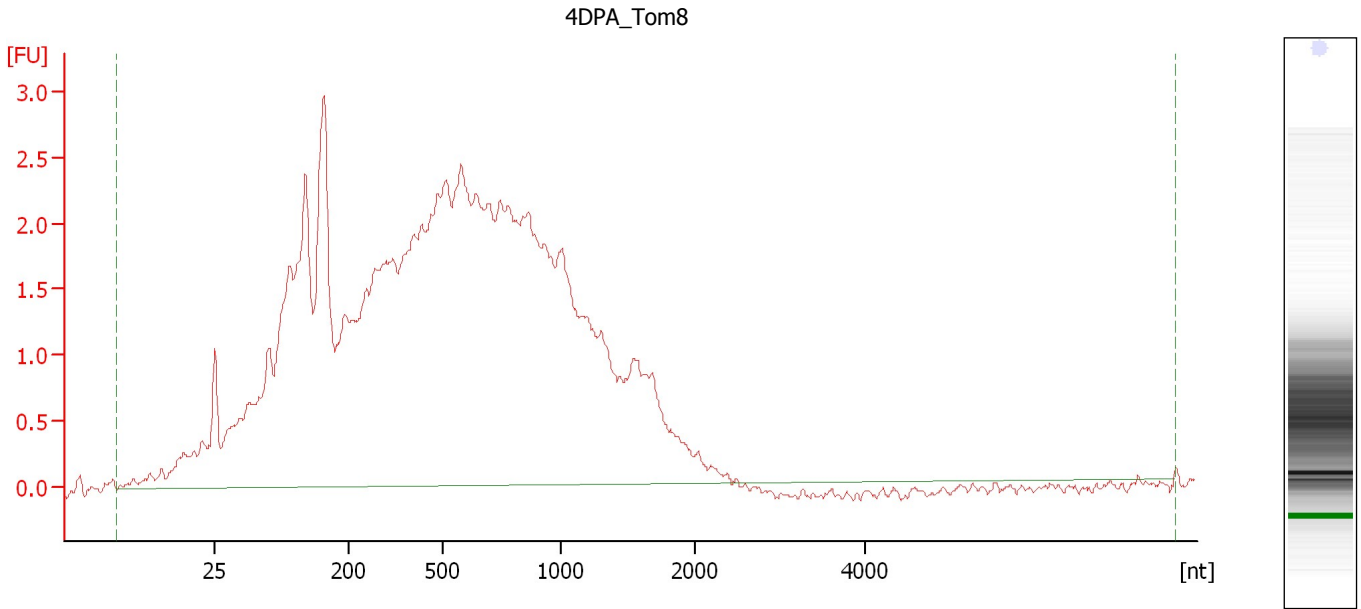
Overall Results for sample 10 : 4DPA_Cp8

RNA Area:	1,309.1	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	9,694 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 4DPA Tom8

RNA Area:	95.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	706 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

Created: 12/9/2013 4:58:39 PM
Modified: 12/10/2013 3:37:56 PM

Gel Image

