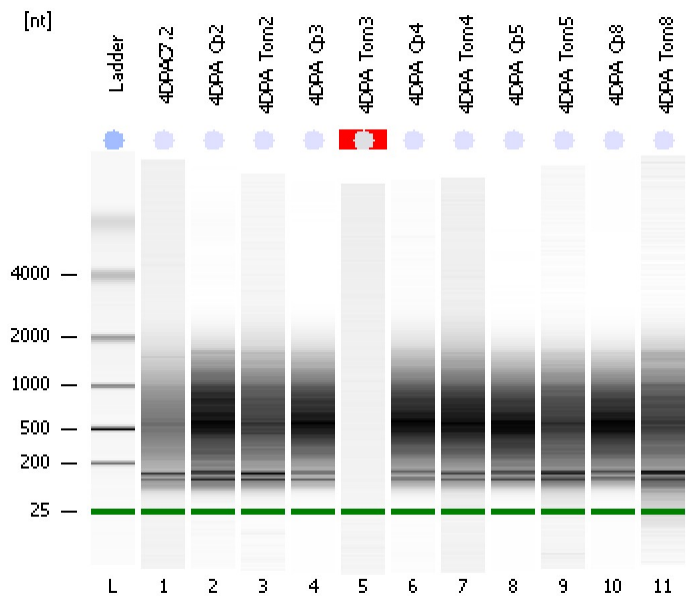


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-09\2013-12-09_008.xad

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

Electrophoresis File Run Summary



Instrument Information:

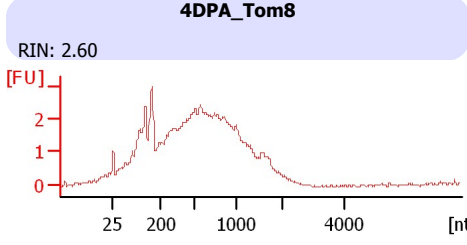
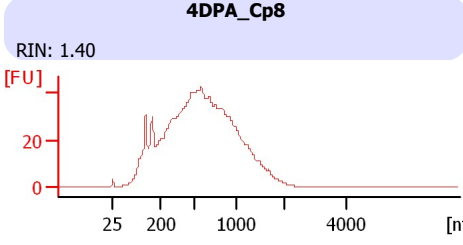
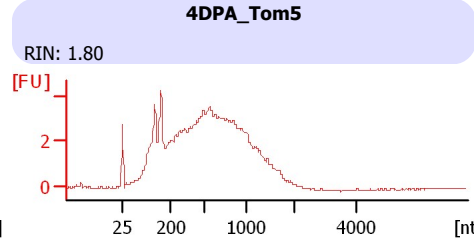
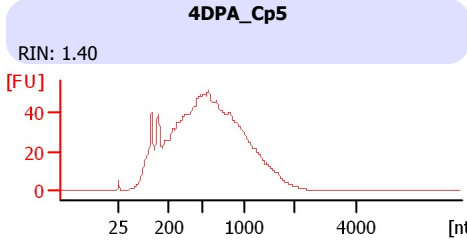
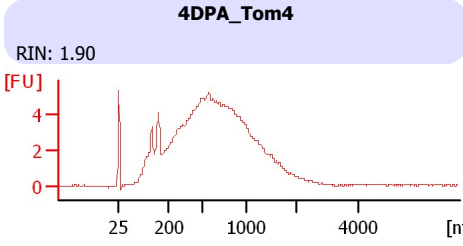
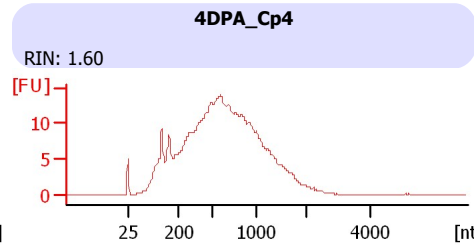
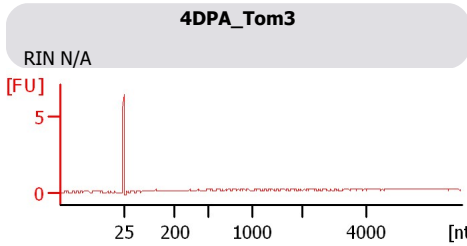
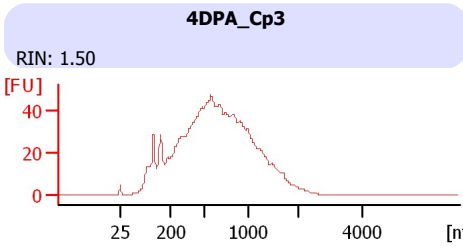
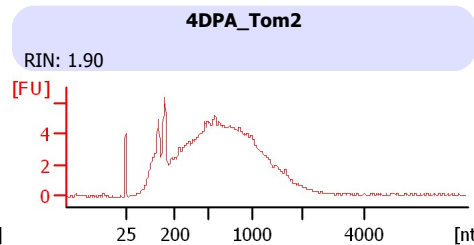
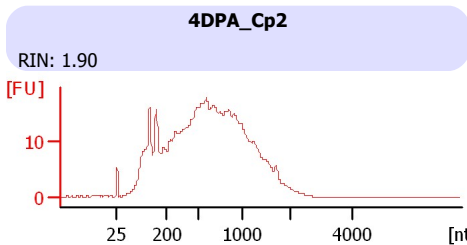
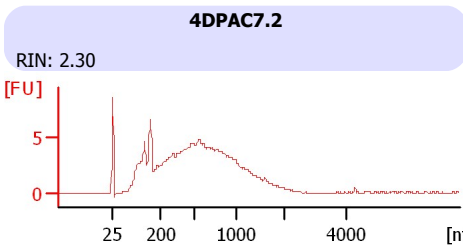
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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/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

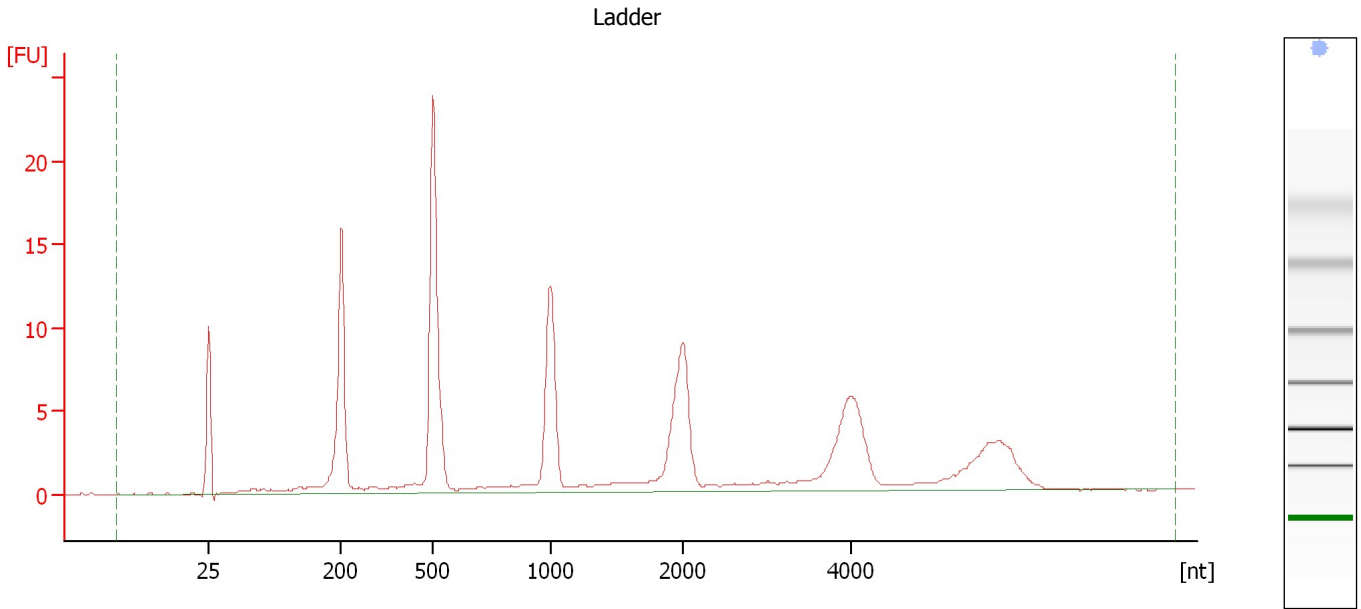
Ladder

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

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



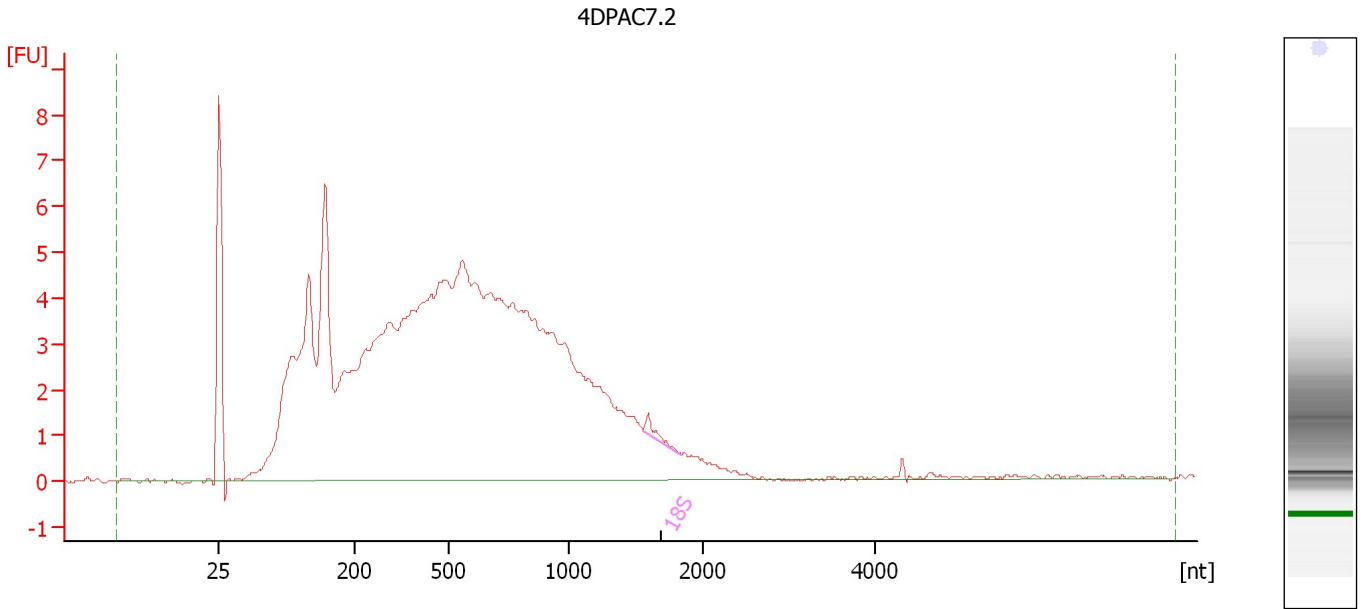
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| 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 |

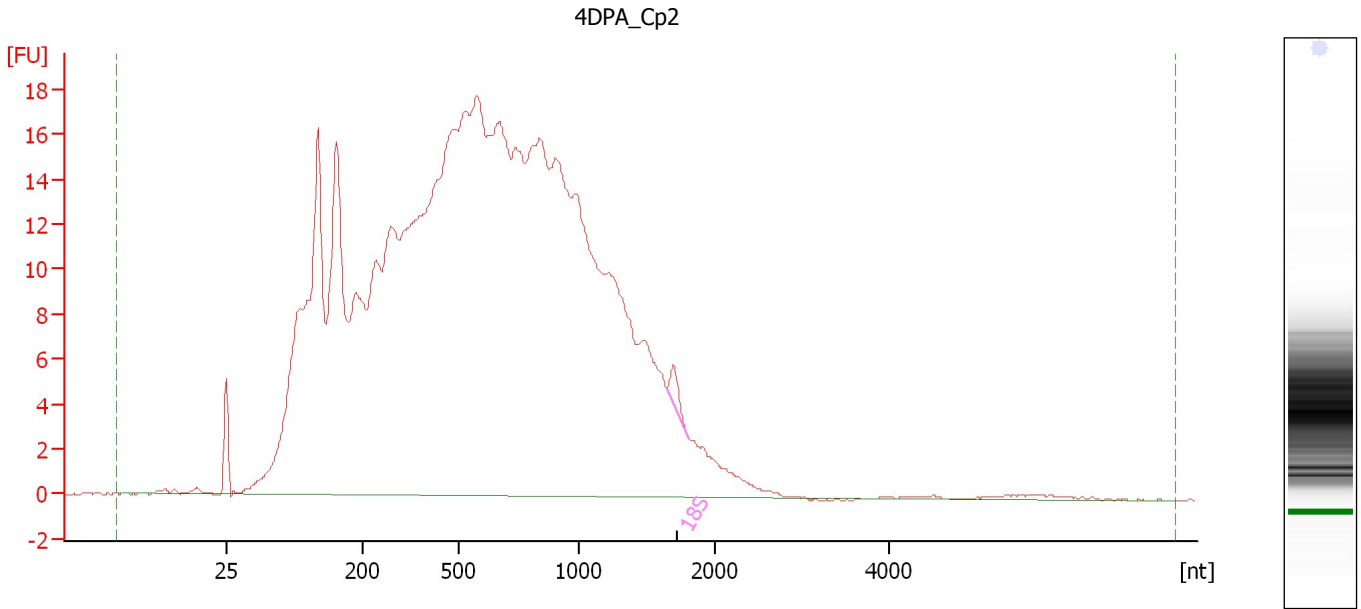
Fragment table for sample 1 : 4DPAC7.2

| 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 |

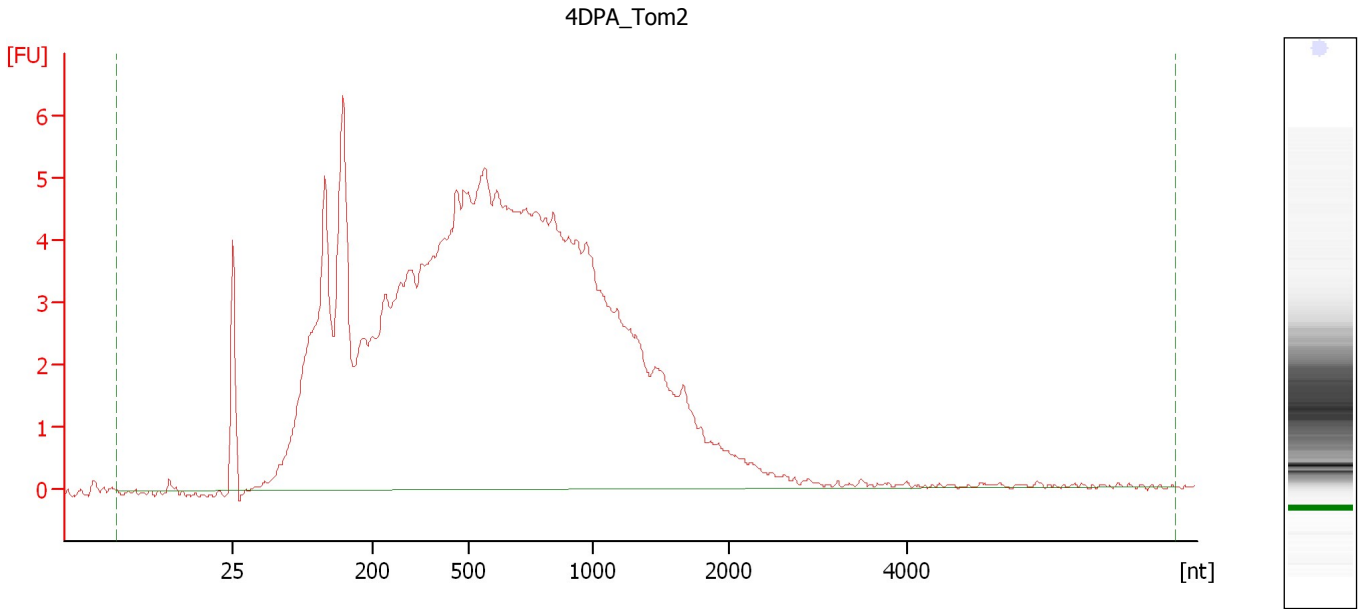
Fragment table for sample 2 : 4DPA_Cp2

| 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 ...



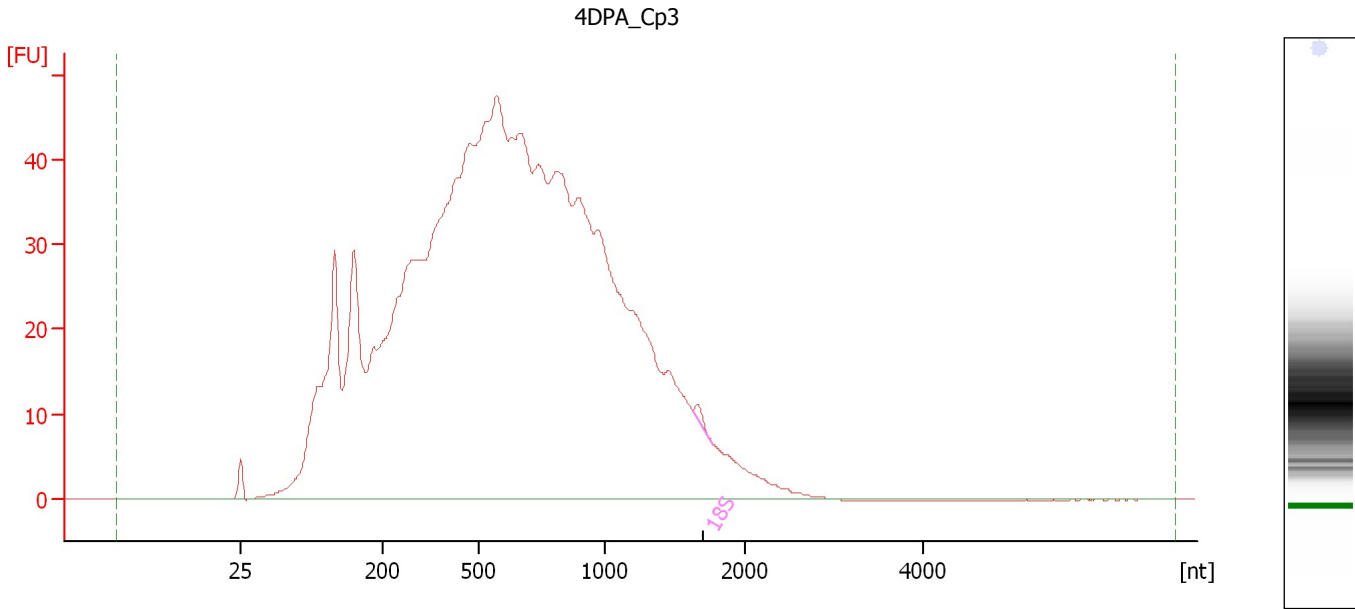
Overall Results for sample 3 : 4DPA Tom2

| | | | |
|-------------------------|-------------|-----------------------------|---|
| 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 |

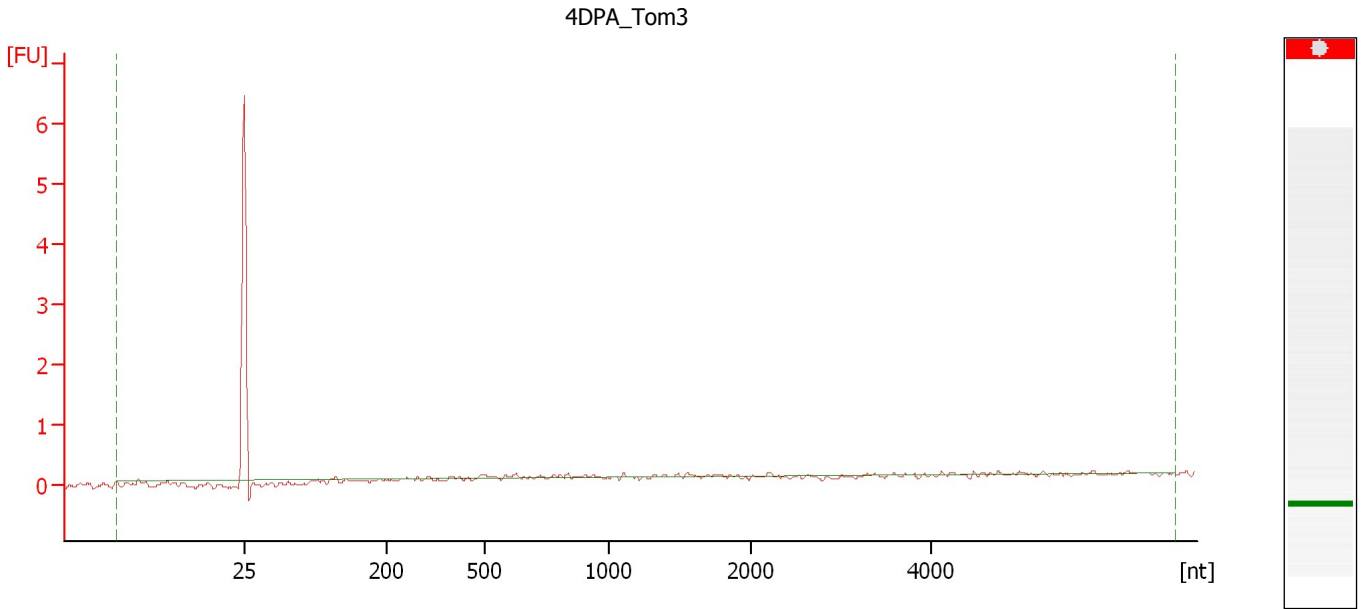
Fragment table for sample 4 : 4DPA_Cp3

| 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 ...



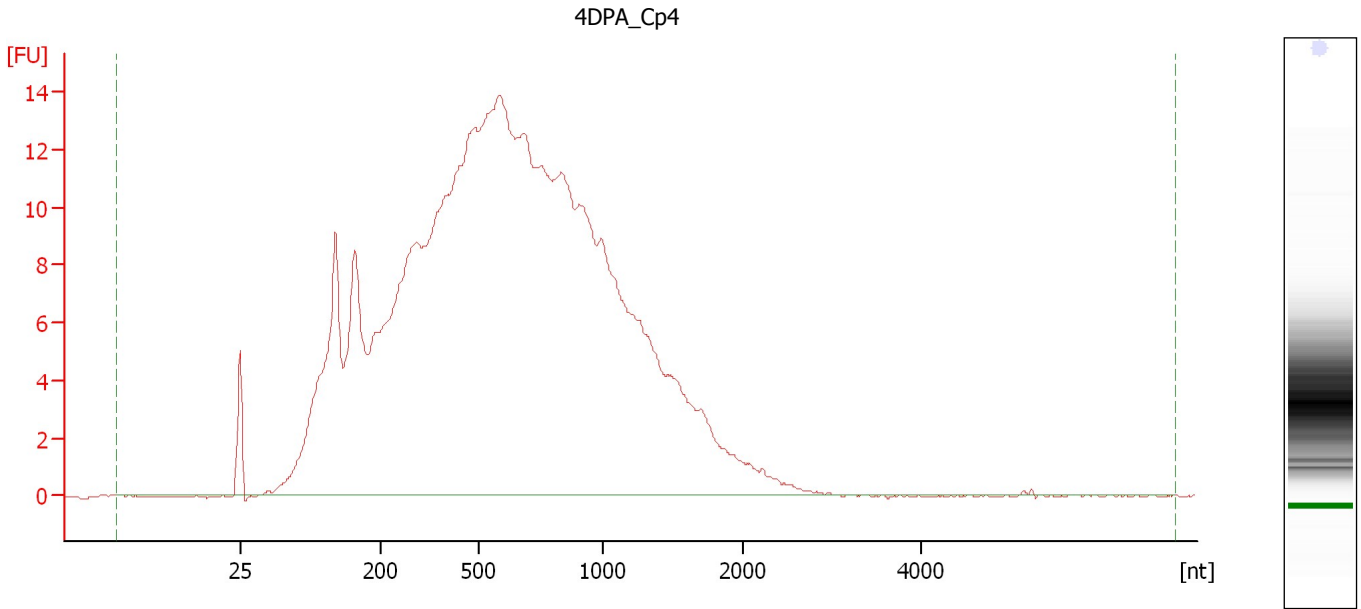
Overall Results for sample 5 : 4DPA Tom3

| | | | |
|-------------------------|---------|-----------------------------|---|
| 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 ...



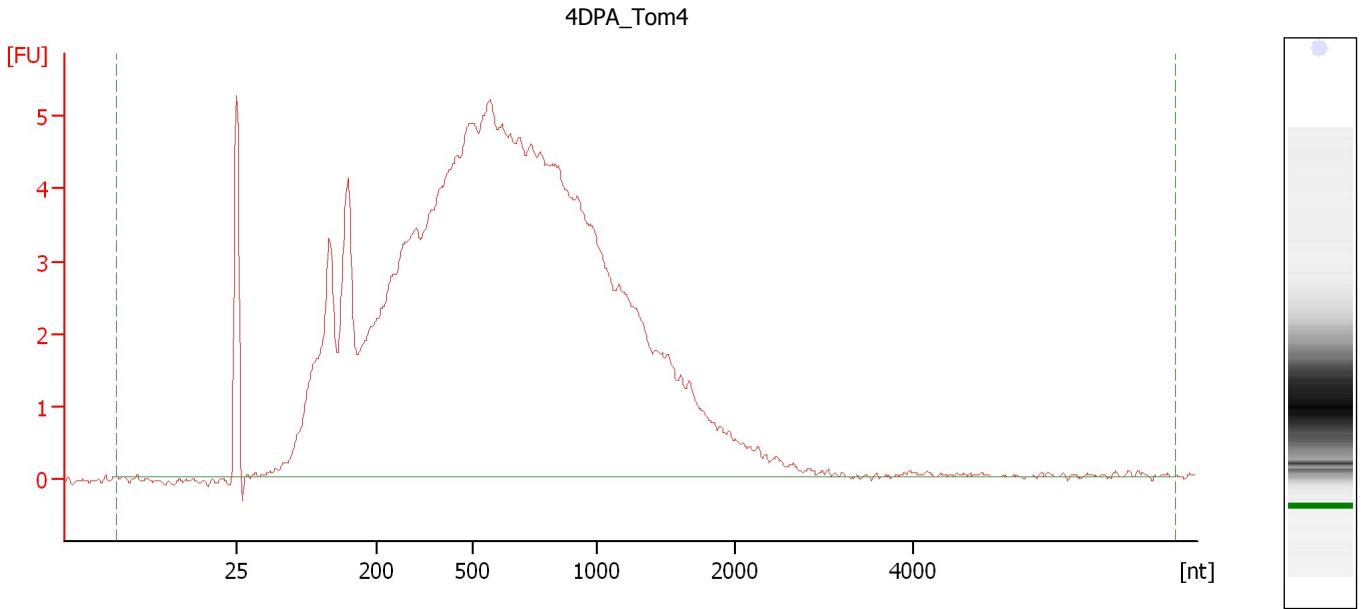
Overall Results for sample 6 : 4DPA_Cp4

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 427.9 | RNA Integrity Number (RIN): | 1.6 (B.02.08) |
| RNA Concentration: | 3,168 µg/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 ...



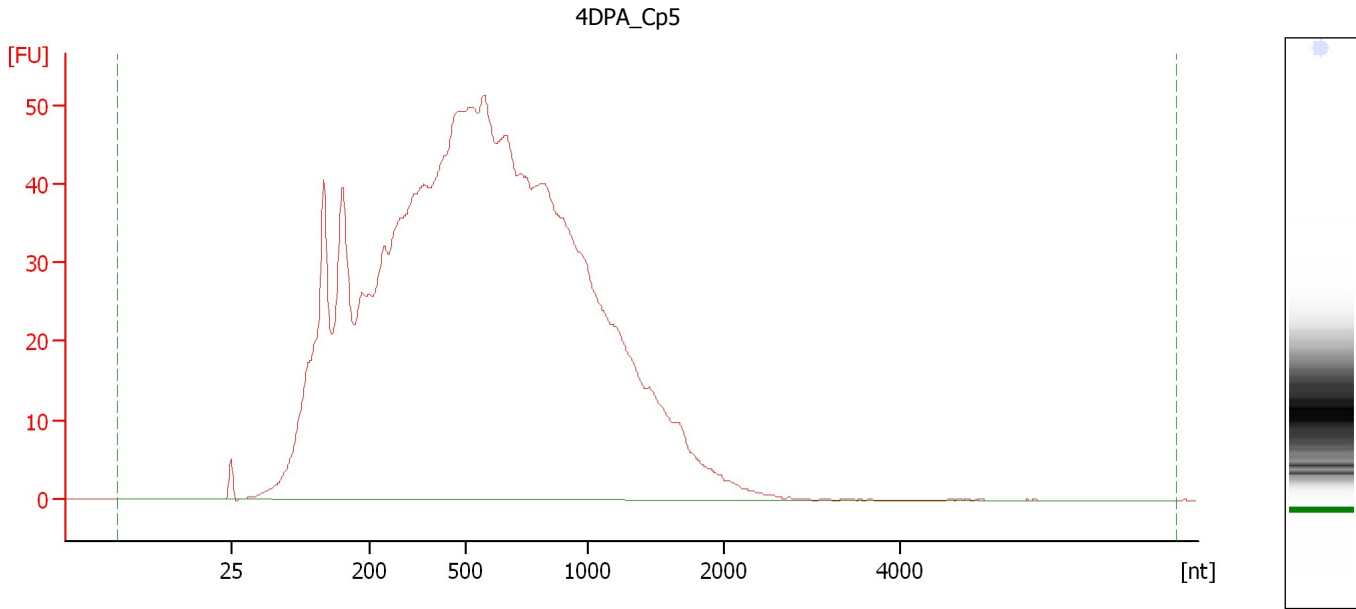
Overall Results for sample 7 : 4DPA Tom4

| | | | |
|-------------------------|-------------------|-----------------------------|---|
| RNA Area: | 165.6 | RNA Integrity Number (RIN): | 1.9 (B.02.08) |
| RNA Concentration: | 1,226 pg/ μ l | 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 ...



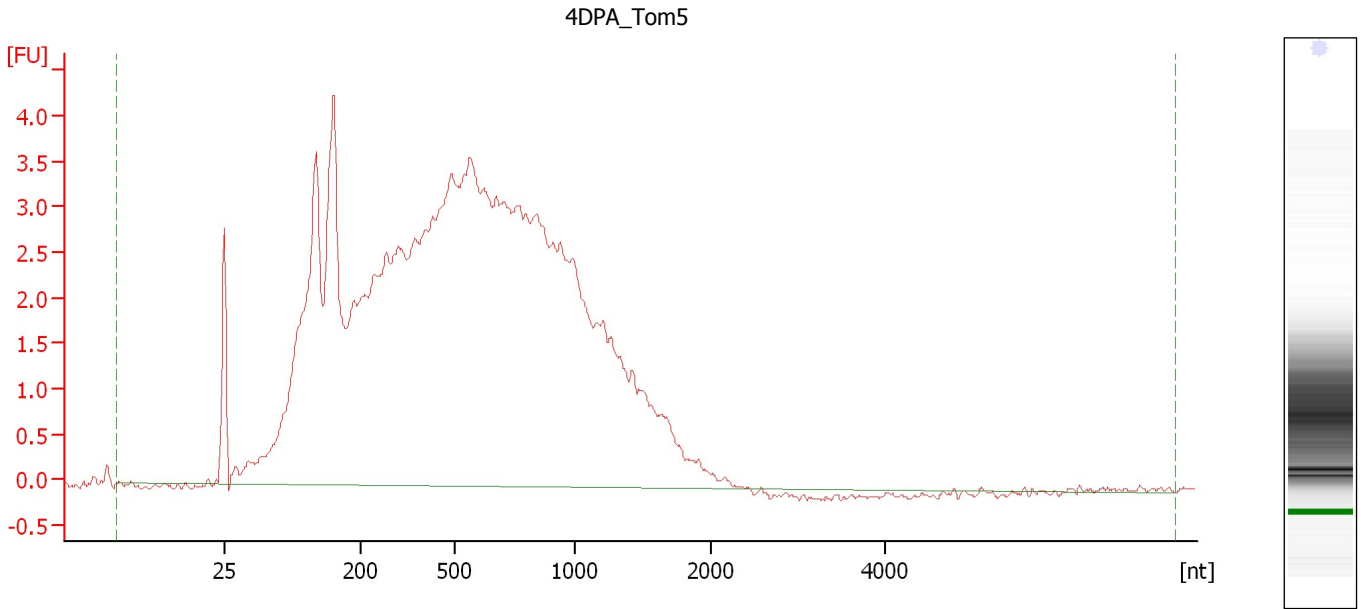
Overall Results for sample 8 : 4DPA_Cp5

| | | | |
|-------------------------|--------------------|-----------------------------|---|
| 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 ...



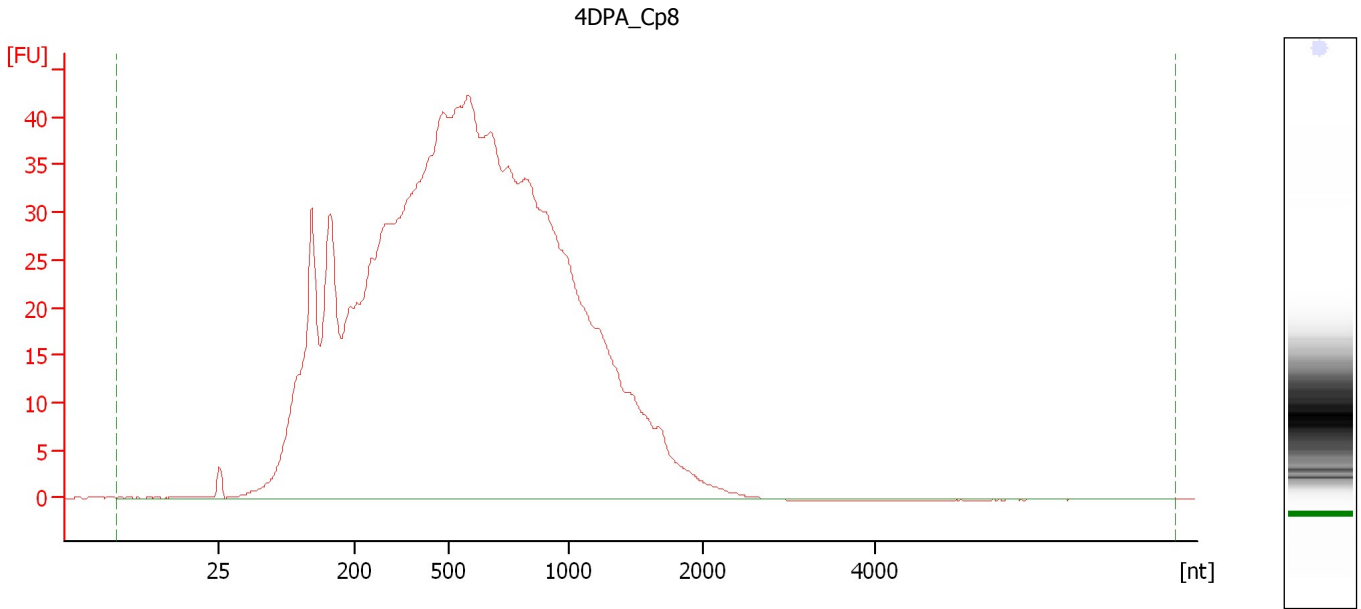
Overall Results for sample 9 : 4DPA Tom5

| | | | |
|-------------------------|-----------|-----------------------------|---|
| 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 ...



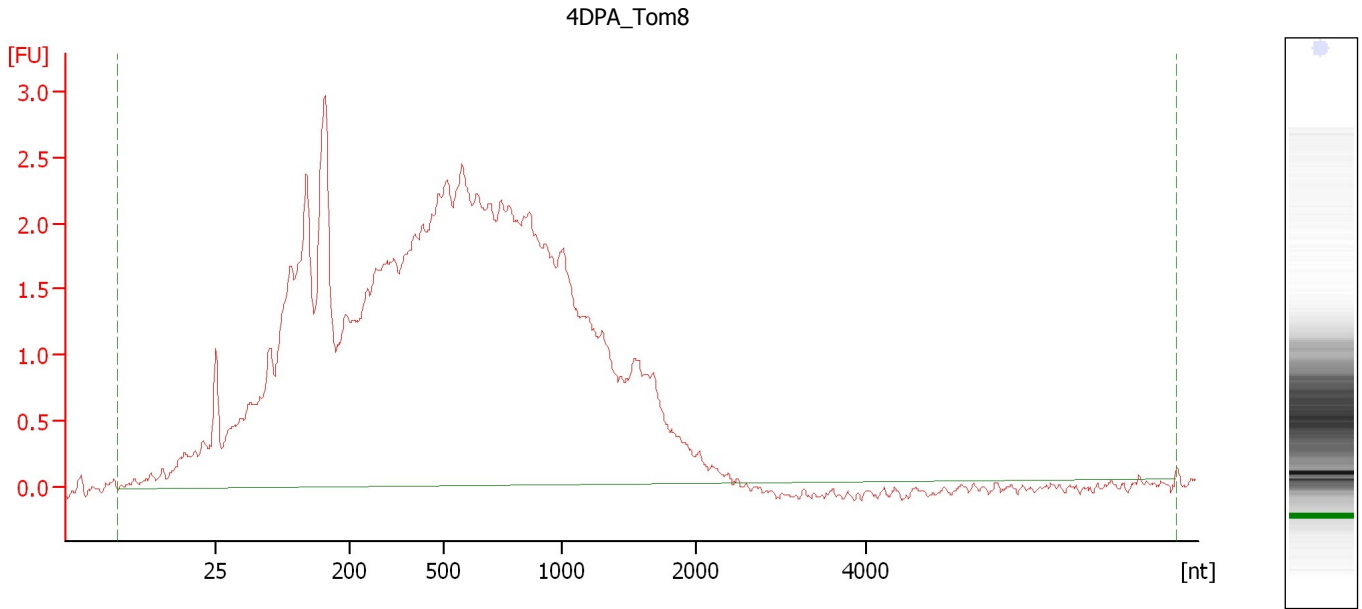
Overall Results for sample 10 : 4DPA_Cp8

| | | | |
|-------------------------|-------------|-----------------------------|---|
| 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

