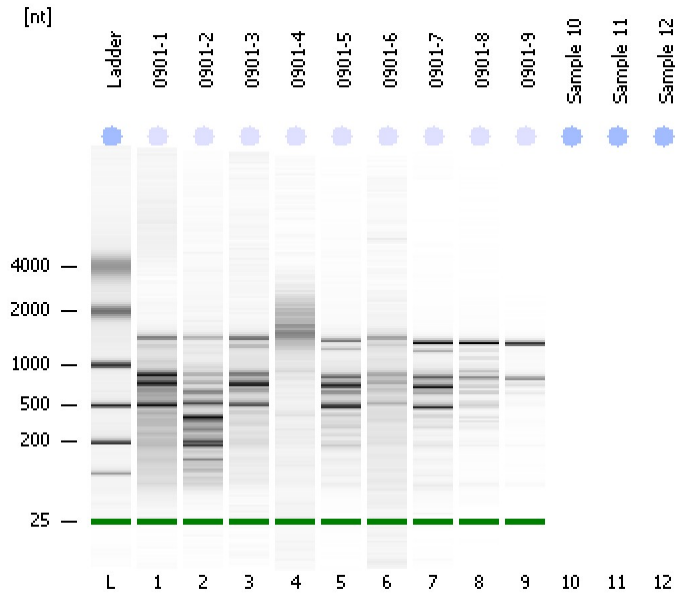


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electrophoresis File Run Summary



Instrument Information:

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

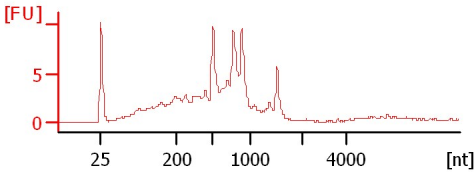
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

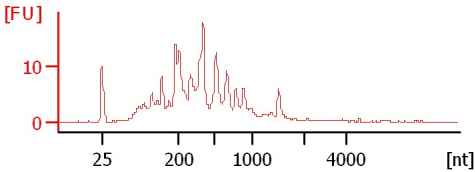
Chip Information:

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

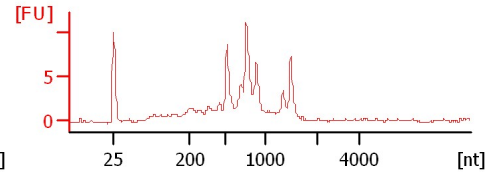
0901-1
QC_200
RIN: 4.70



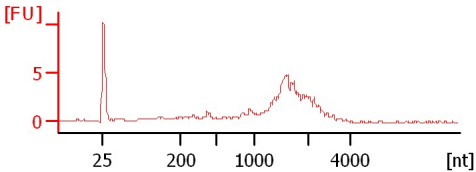
0901-2
QC_200
RIN: 4.20



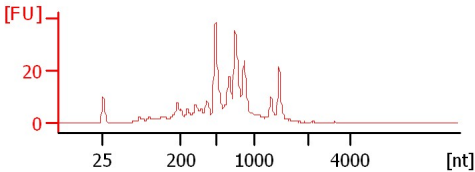
0901-3
QC_200
RIN: 5.90



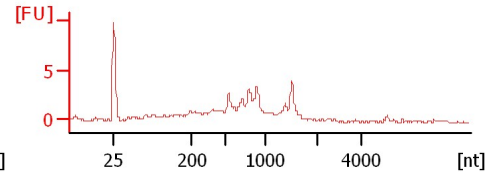
0901-4
QC_200
RIN: 2.60



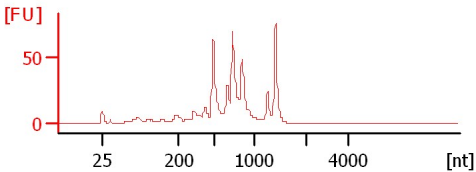
0901-5
QC_200
RIN: 5.40



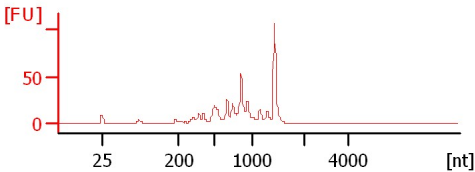
0901-6
QC_200
RIN: 4.90



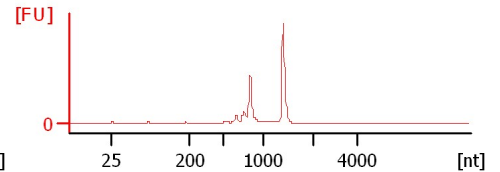
0901-7
QC_200
RIN: 6.30



0901-8
QC_200
RIN: 7.40



0901-9
QC_200
RIN: 8.30



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
 Modified: 9/5/2017 4:40:06 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 0901-1 | QC_200 | ✓ | RIN: 4.70 | |
| 0901-2 | QC_200 | ✓ | RIN: 4.20 | |
| 0901-3 | QC_200 | ✓ | RIN: 5.90 | |
| 0901-4 | QC_200 | ✓ | RIN: 2.60 | |
| 0901-5 | QC_200 | ✓ | RIN: 5.40 | |
| 0901-6 | QC_200 | ✓ | RIN: 4.90 | |
| 0901-7 | QC_200 | ✓ | RIN: 6.30 | |
| 0901-8 | QC_200 | ✓ | RIN: 7.40 | |
| 0901-9 | QC_200 | ✓ | RIN: 8.30 | |
| Sample 10 | | | | |
| Sample 11 | | | | |
| Sample 12 | | | | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

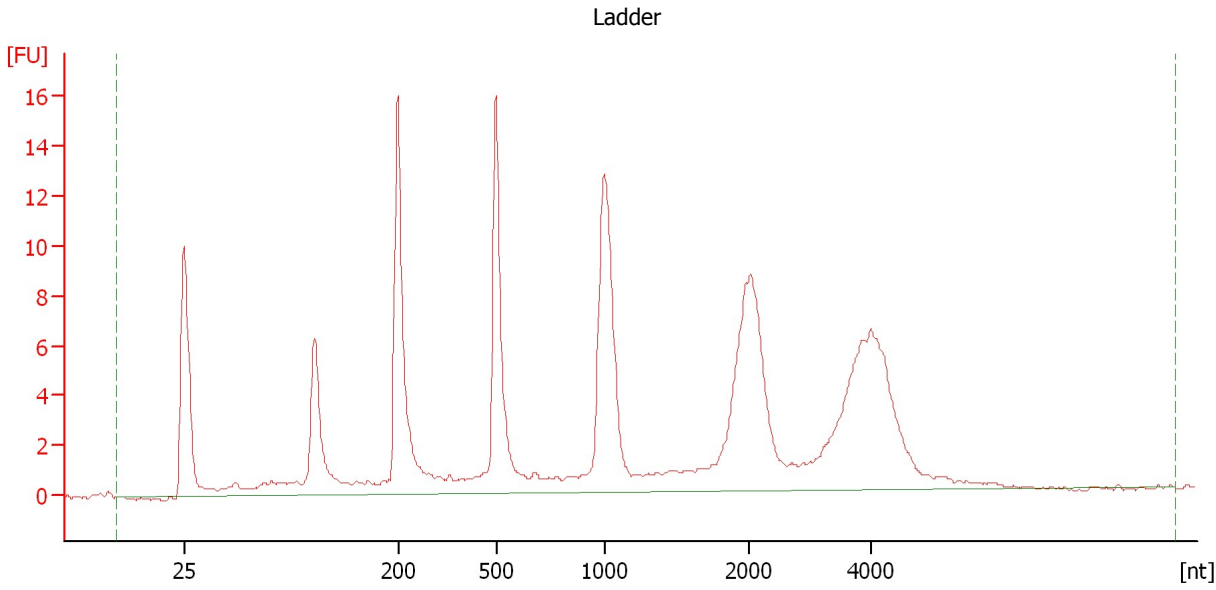
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary



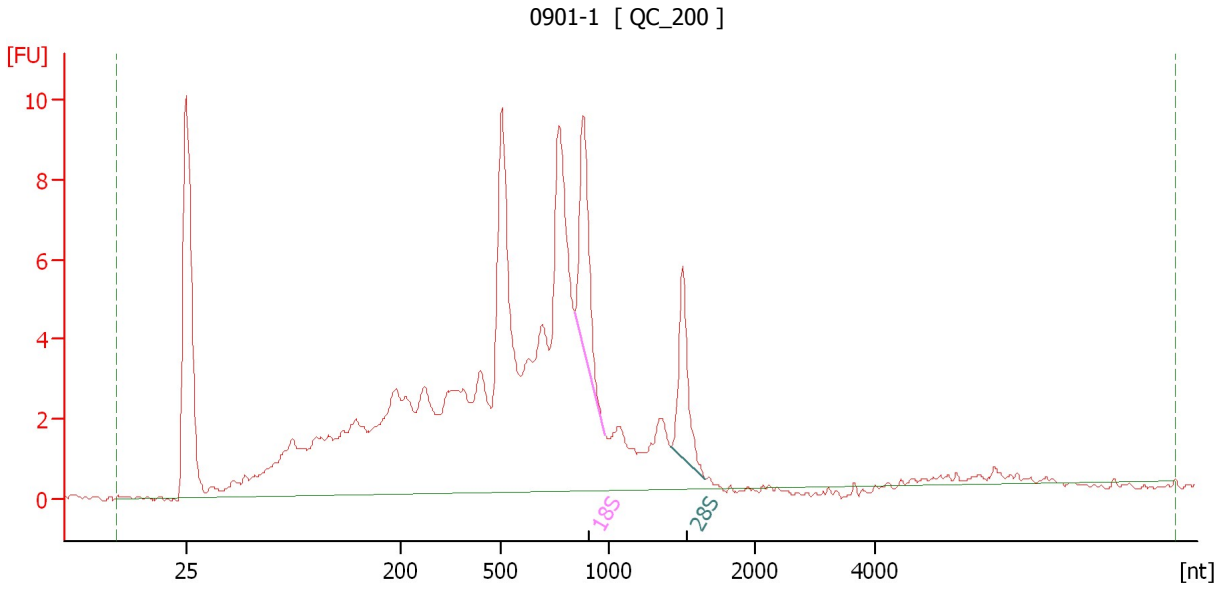
Overall Results for Ladder

| | | | |
|--------------------|-----------|------------------------|---|
| RNA Area: | 172.6 | Result Flagging Color: | |
| RNA Concentration: | 150 ng/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 0901-1

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 149.6 | RNA Integrity Number (RIN): | 4.7 (B.02.08) |
| RNA Concentration: | 130 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.8 | Result Flagging Label: | RIN: 4.70 |

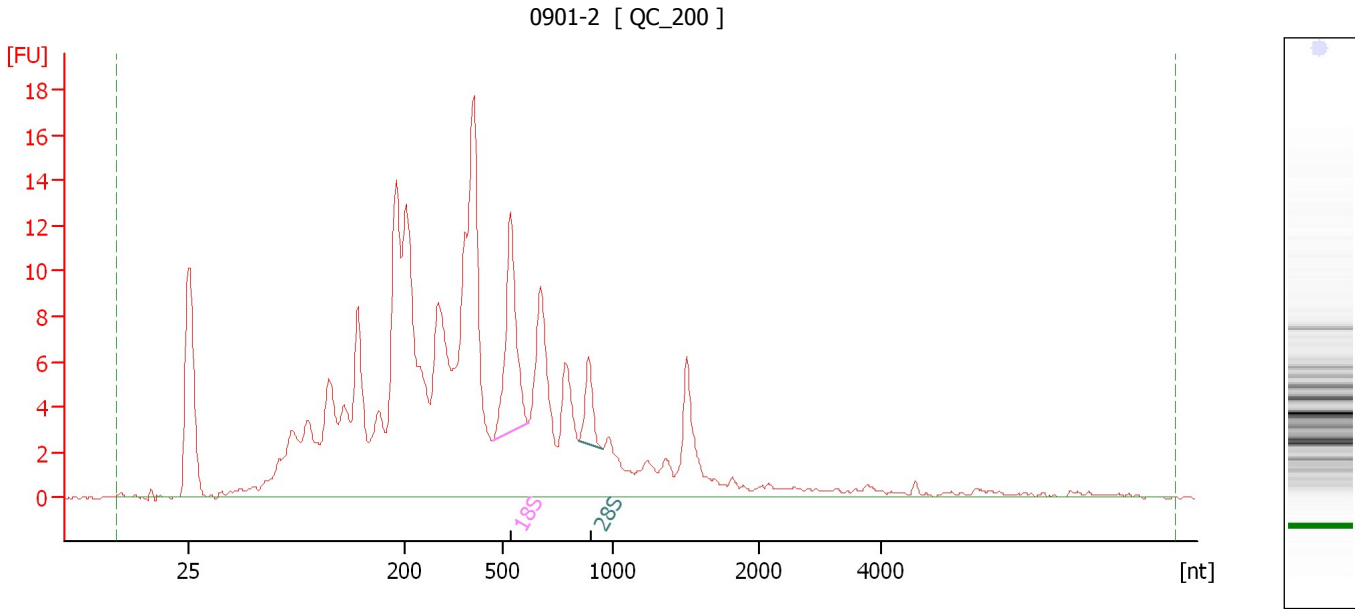
Fragment table for sample 1 : 0901-1

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 848 | 981 | 6.7 | 4.5 |
| 28S | 1,426 | 1,660 | 5.2 | 3.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 0901-2

RNA Area: 270.5 RNA Integrity Number (RIN): 4.2 (B.02.08)
RNA Concentration: 235 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 4.20

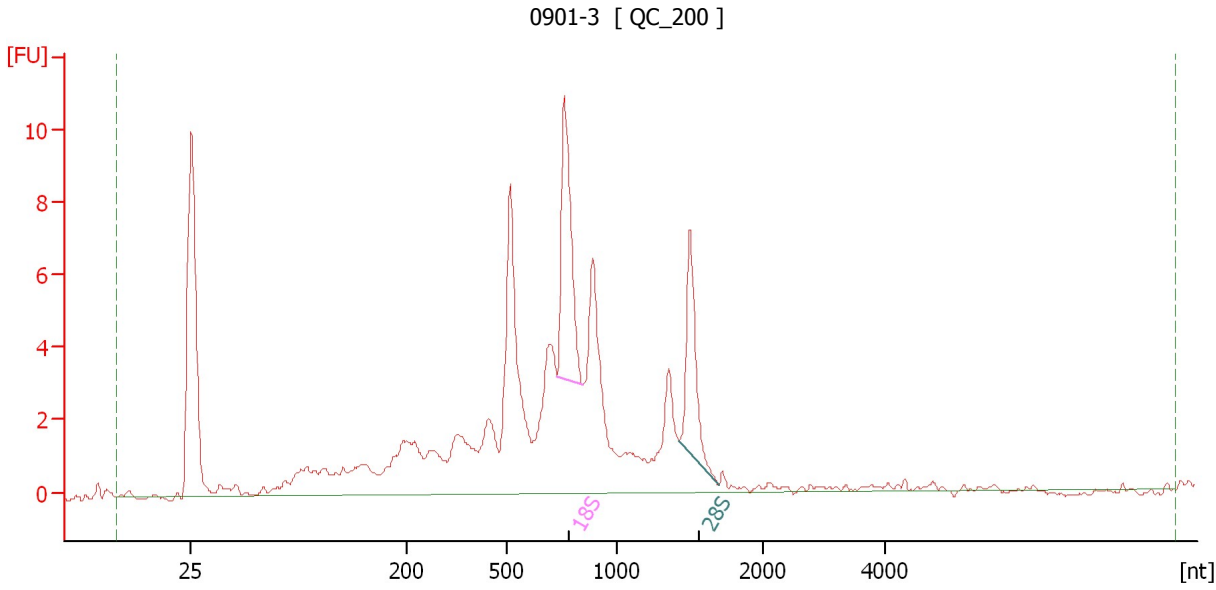
Fragment table for sample 2 : 0901-2

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 465 | 614 | 14.4 | 5.3 |
| 28S | 845 | 953 | 3.9 | 1.4 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 0901-3

RNA Area: 109.2 RNA Integrity Number (RIN): 5.9 (B.02.08)
RNA Concentration: 95 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 5.90

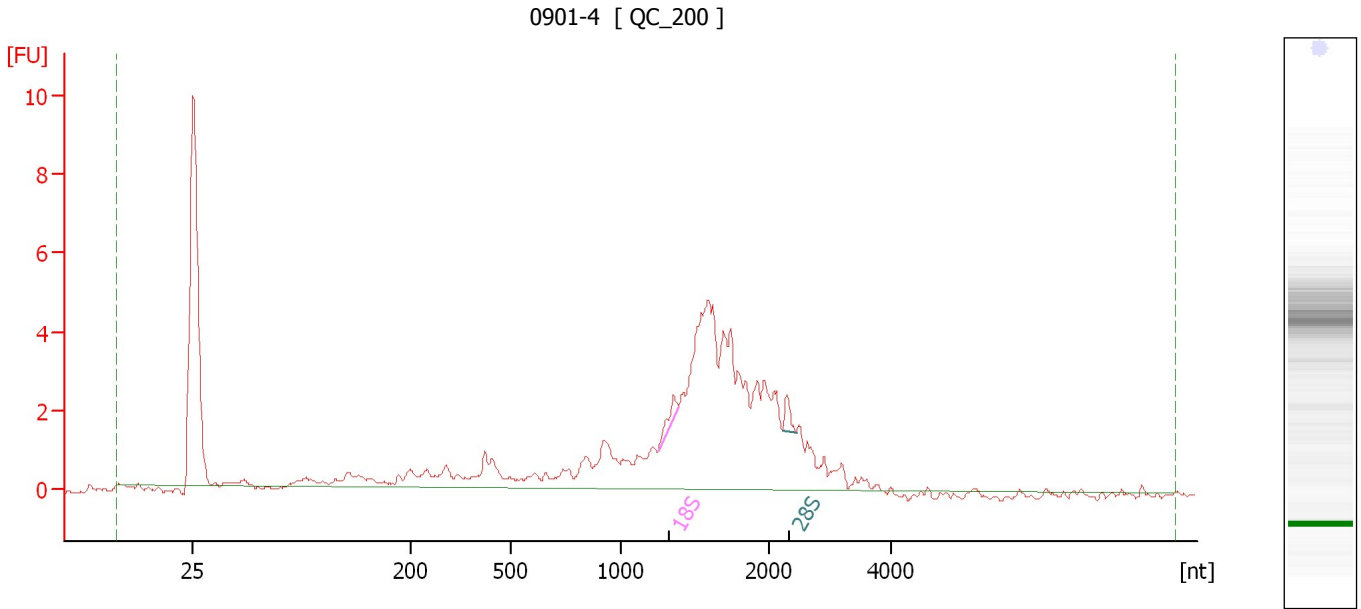
Fragment table for sample 3 : 0901-3

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 730 | 847 | 9.6 | 8.8 |
| 28S | 1,426 | 1,695 | 6.4 | 5.9 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 0901-4

RNA Area: 61.6 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 54 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 2.60

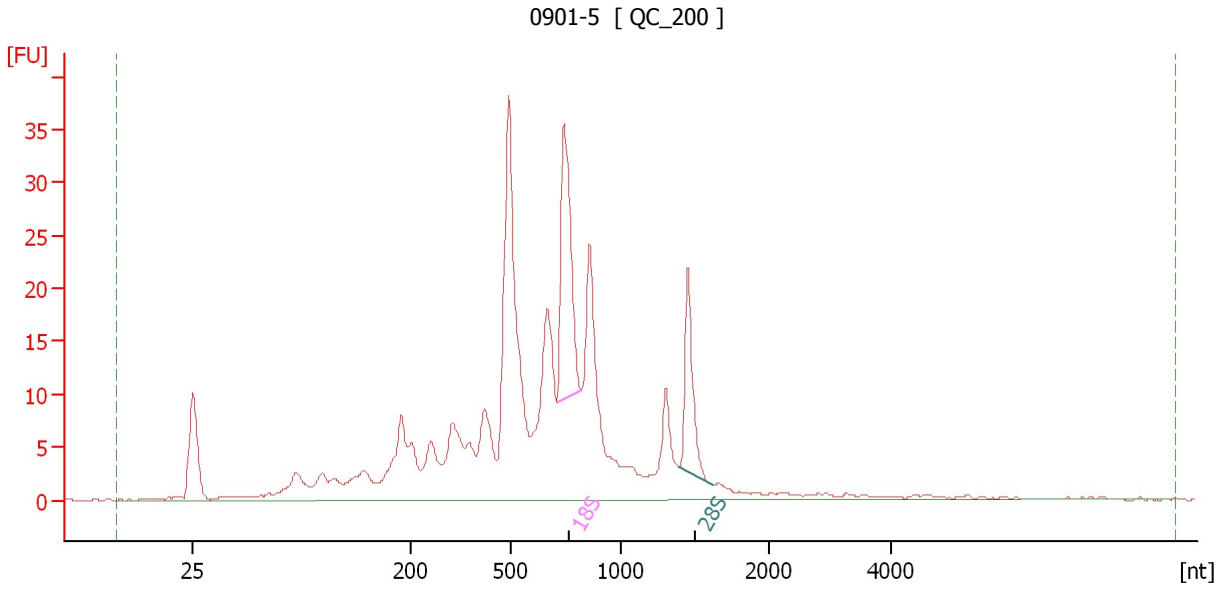
Fragment table for sample 4 : 0901-4

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,260 | 1,390 | 0.5 | 0.9 |
| 28S | 2,237 | 2,463 | 0.5 | 0.8 |

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
 Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 0901-5

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 379.2 | RNA Integrity Number (RIN): | 5.4 (B.02.08, Anomaly Threshold(s) manually adapted) |
| RNA Concentration: | 329 ng/μl | | |
| rRNA Ratio [28s / 18s]: | 0.5 | Result Flagging Color: | |
| | | Result Flagging Label: | RIN: 5.40 |

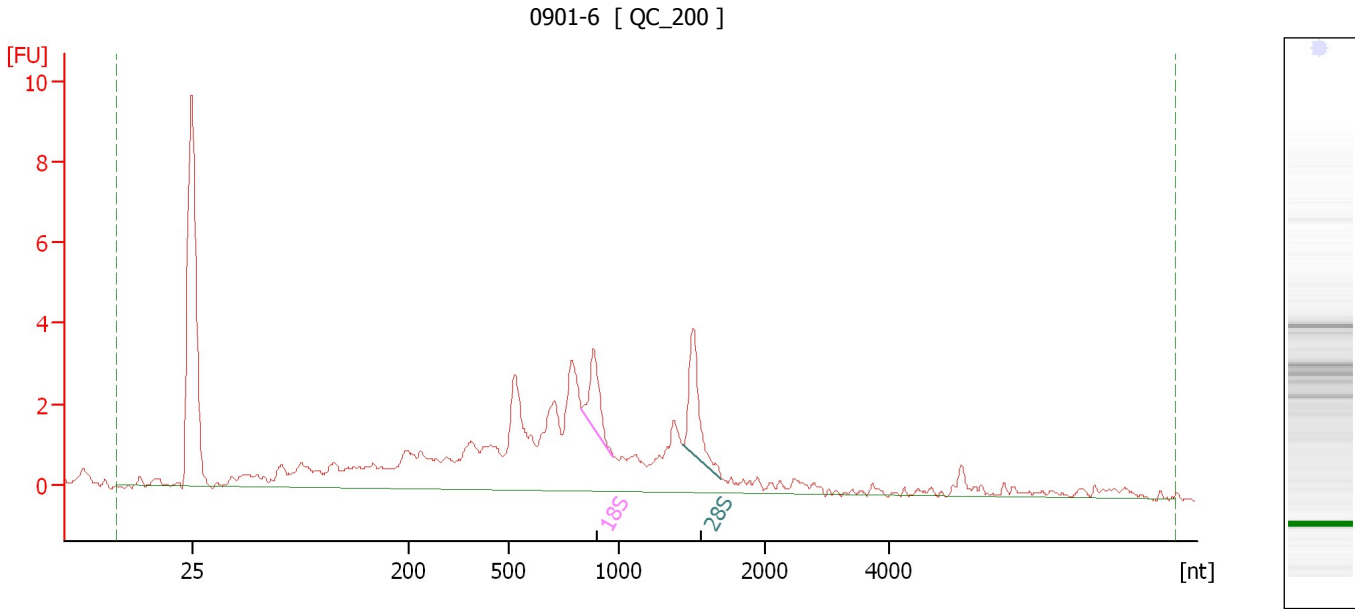
Fragment table for sample 5 : 0901-5

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 708 | 825 | 33.4 | 8.8 |
| 28S | 1,397 | 1,629 | 17.2 | 4.5 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 0901-6

RNA Area: 67.9 RNA Integrity Number (RIN): 4.9 (B.02.08)
RNA Concentration: 59 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 4.90

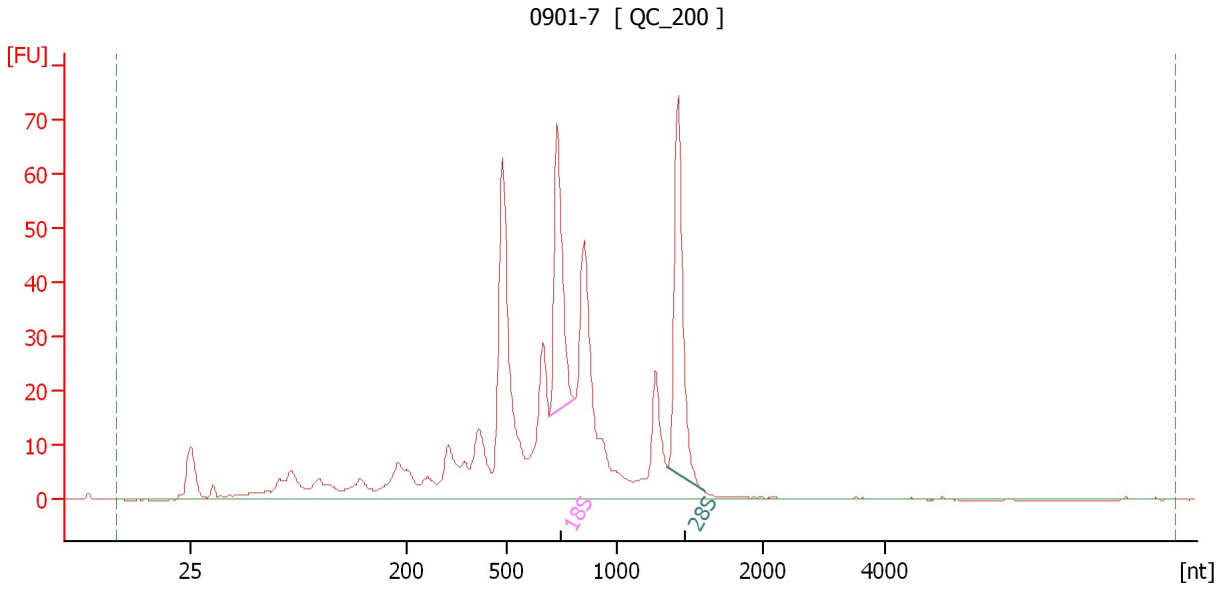
Fragment table for sample 6 : 0901-6

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 833 | 980 | 2.3 | 3.4 |
| 28S | 1,441 | 1,701 | 3.5 | 5.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 0901-7

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 615.7 | RNA Integrity Number (RIN): | 6.3 (B.02.08) |
| RNA Concentration: | 535 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.1 | Result Flagging Label: | RIN: 6.30 |

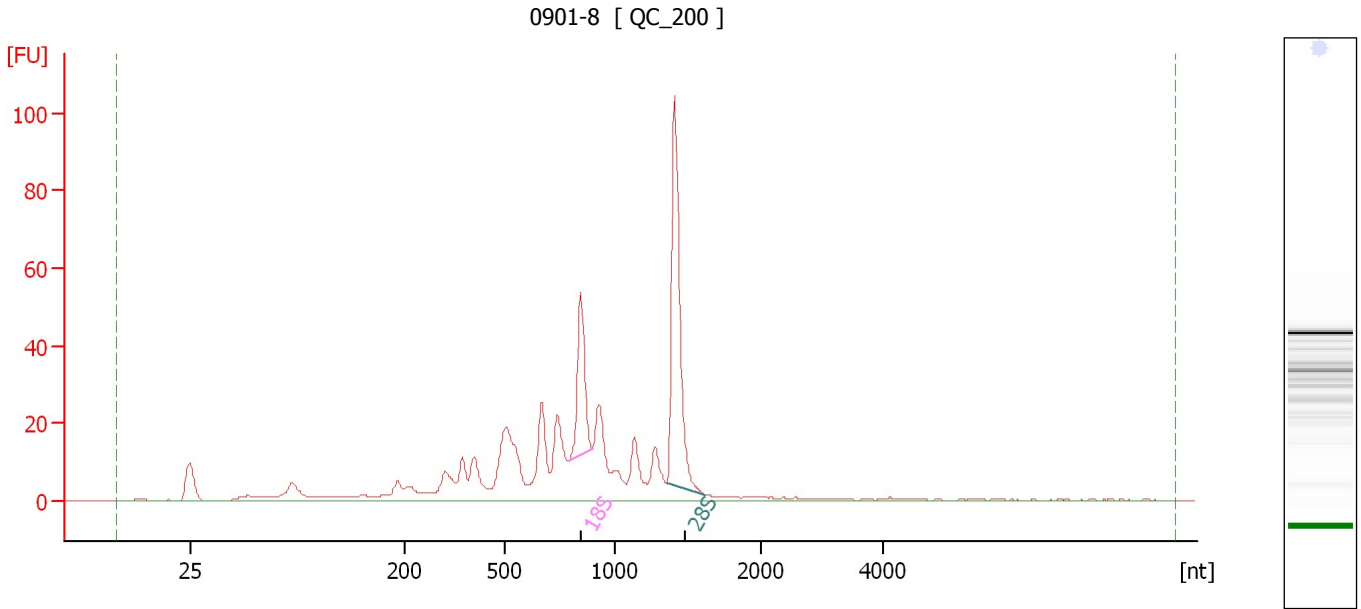
Fragment table for sample 7 : 0901-7

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 696 | 813 | 59.3 | 9.6 |
| 28S | 1,346 | 1,600 | 67.1 | 10.9 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 0901-8

RNA Area: 481.3 RNA Integrity Number (RIN): 7.4 (B.02.08)
RNA Concentration: 418 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 7.40

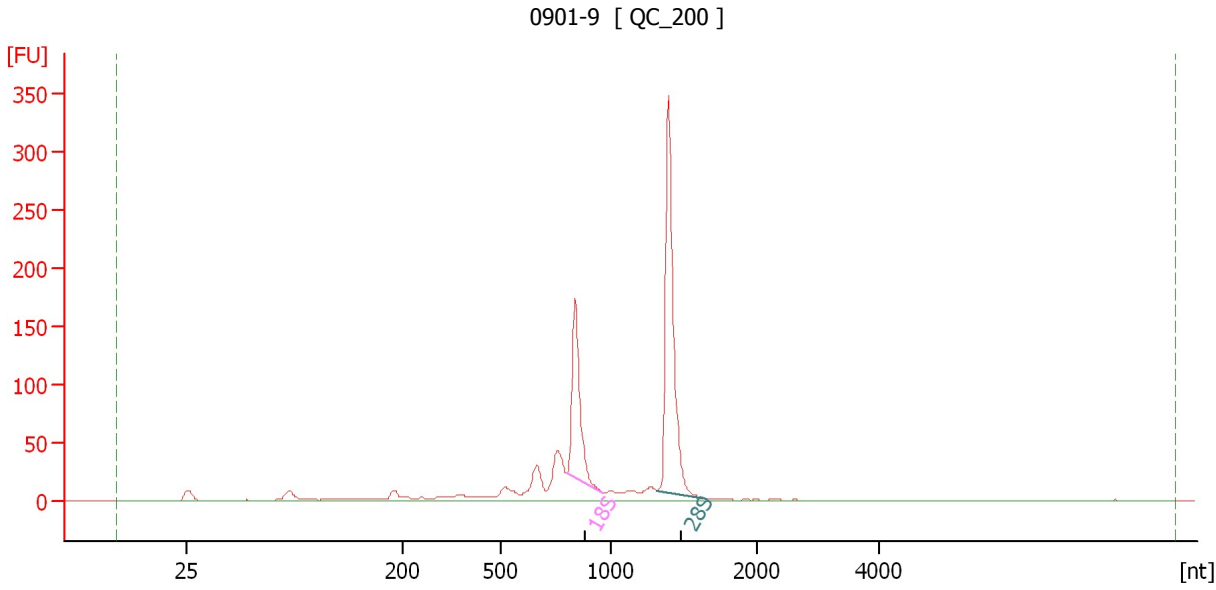
Fragment table for sample 8 : 0901-8

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 787 | 900 | 37.9 | 7.9 |
| 28S | 1,353 | 1,615 | 92.0 | 19.1 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 0901-9

| | | | |
|-------------------------|-----------|-----------------------------|---|
| RNA Area: | 884.9 | RNA Integrity Number (RIN): | 8.3 (B.02.08) |
| RNA Concentration: | 769 ng/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 2.0 | Result Flagging Label: | RIN: 8.30 |

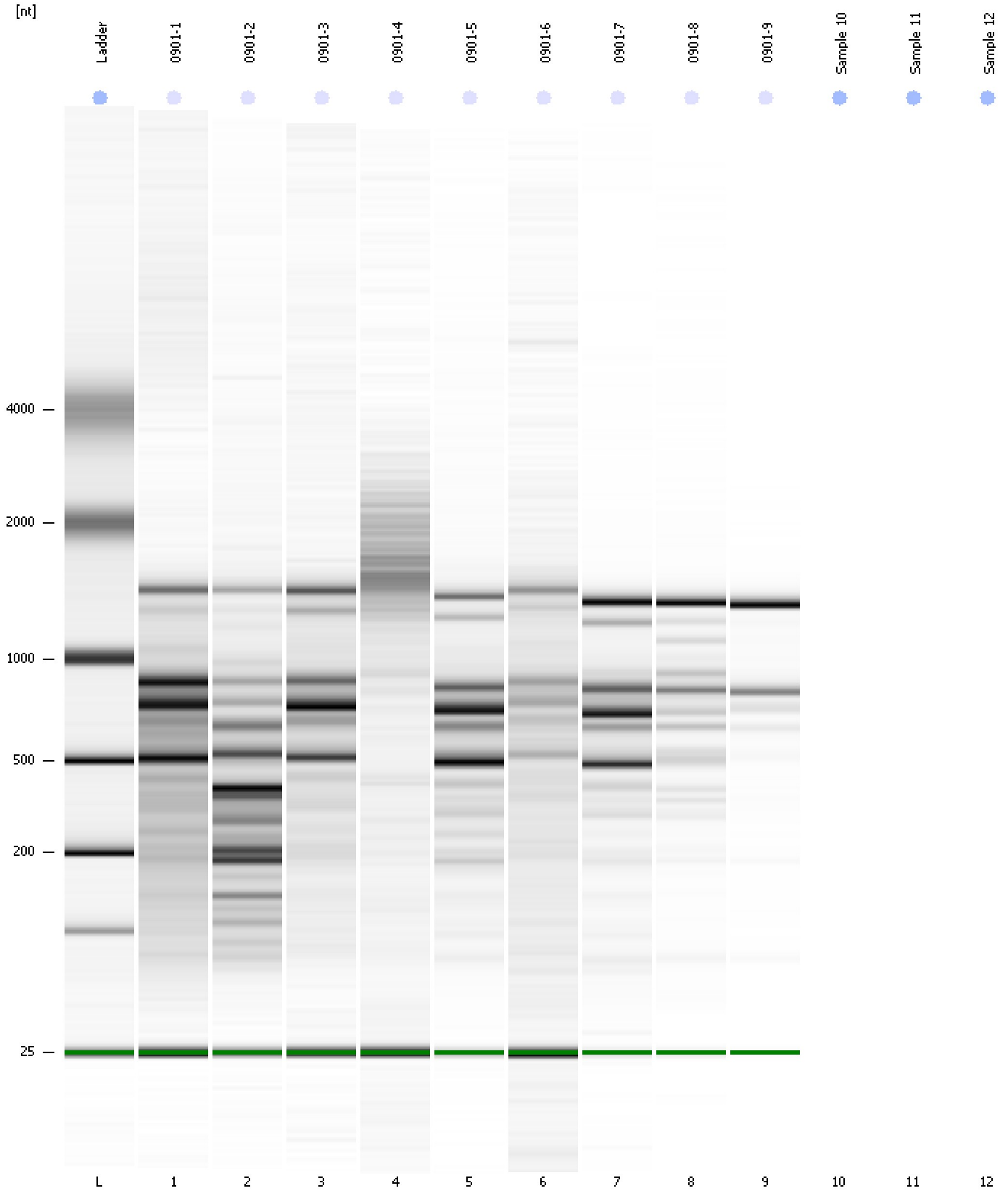
Fragment table for sample 9 : 0901-9

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 800 | 962 | 159.6 | 18.0 |
| 28S | 1,316 | 1,660 | 323.8 | 36.6 |

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-05\2017-09-05_004.xad

Created: 9/5/2017 4:18:59 PM
Modified: 9/5/2017 4:40:06 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.