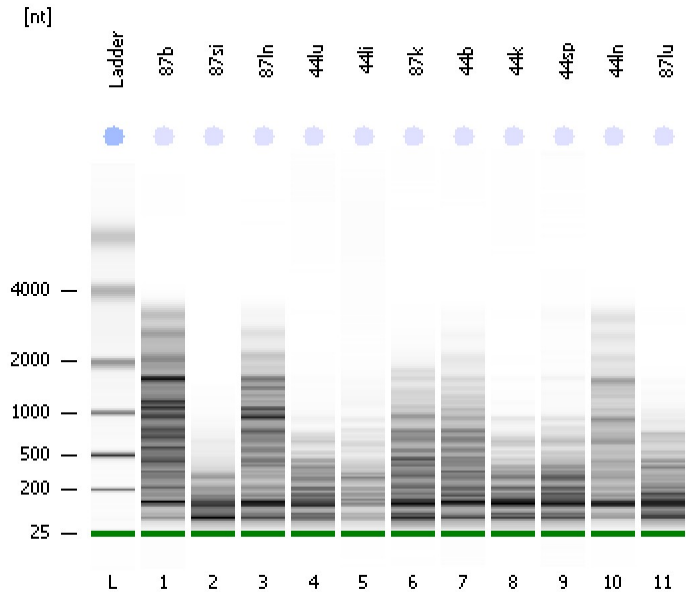


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electrophoresis File Run Summary



Instrument Information:

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

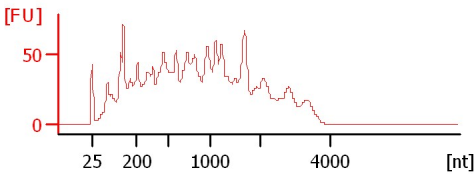
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

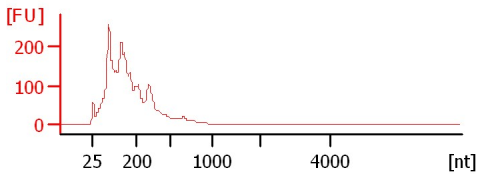
Chip Information:

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

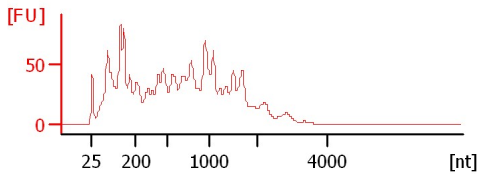
87b
RIN: 3.50



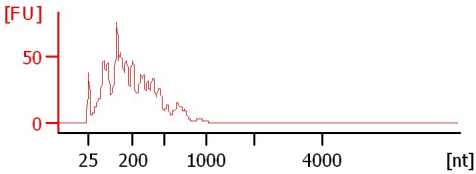
87si
RIN: 2.20



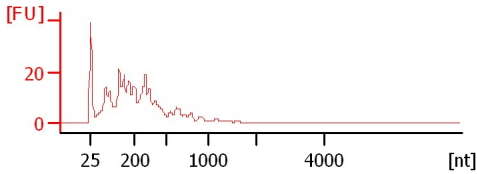
87ln
RIN: 3



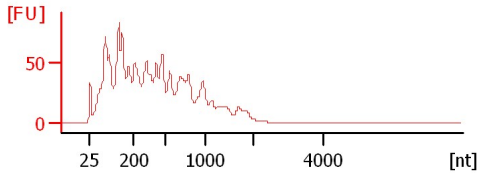
44lu
RIN: 2.20



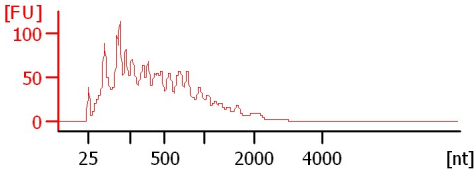
44li
RIN: 2.60



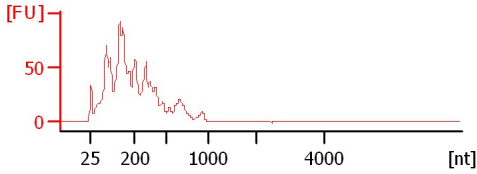
87k
RIN: 2.60



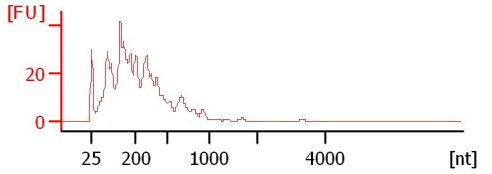
44b
RIN: 2.40



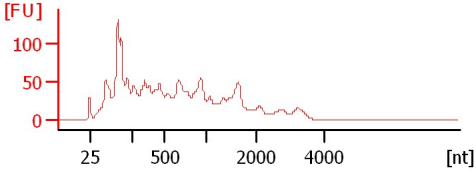
44k
RIN: 2.40



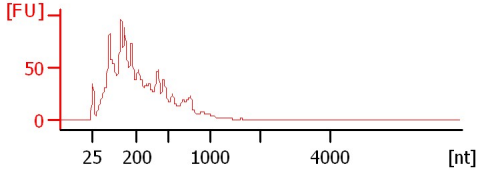
44sp
RIN: 2.30



44ln
RIN: 3.20



87lu
RIN: 2.20



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
 Modified: 7/28/2017 9:59:49 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 87b | | ✓ | RIN: 3.50 | |
| 87si | | ✓ | RIN: 2.20 | |
| 87ln | | ✓ | RIN:3 | |
| 44lu | | ✓ | RIN: 2.20 | |
| 44li | | ✓ | RIN: 2.60 | |
| 87k | | ✓ | RIN: 2.60 | |
| 44b | | ✓ | RIN: 2.40 | |
| 44k | | ✓ | RIN: 2.40 | |
| 44sp | | ✓ | RIN: 2.30 | |
| 44ln | | ✓ | RIN: 3.20 | |
| 87lu | | ✓ | RIN: 2.20 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

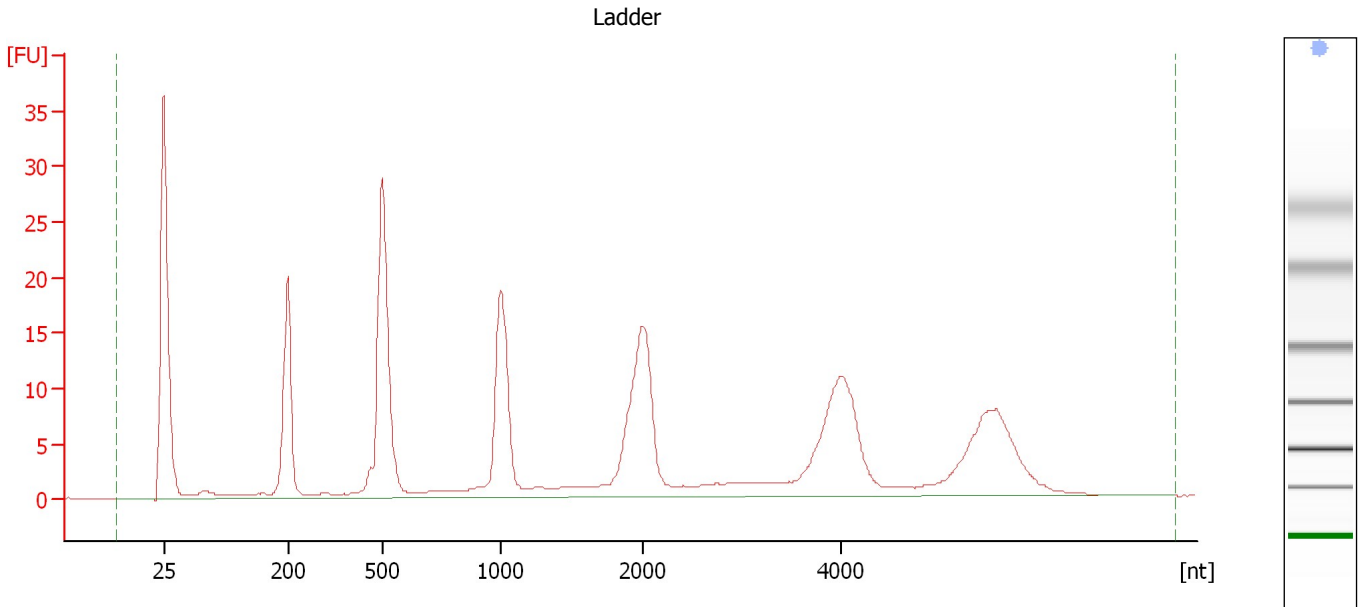
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary



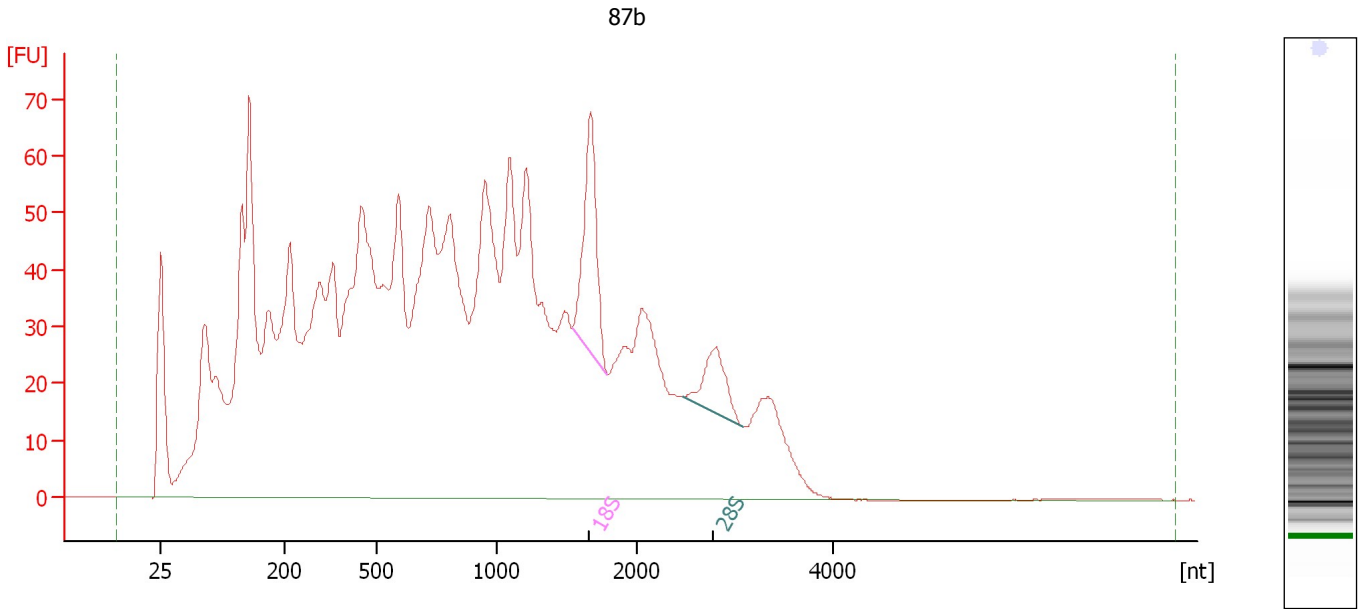
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 283.3 | Result Flagging Color: | |
| RNA Concentration: | 1,000 pg/μl | Result Flagging Label: | All Other Samples |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 87b

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 2,644.2 | RNA Integrity Number (RIN): | 3.5 (B.02.08) |
| RNA Concentration: | 9,332 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.4 | Result Flagging Label: | RIN: 3.50 |

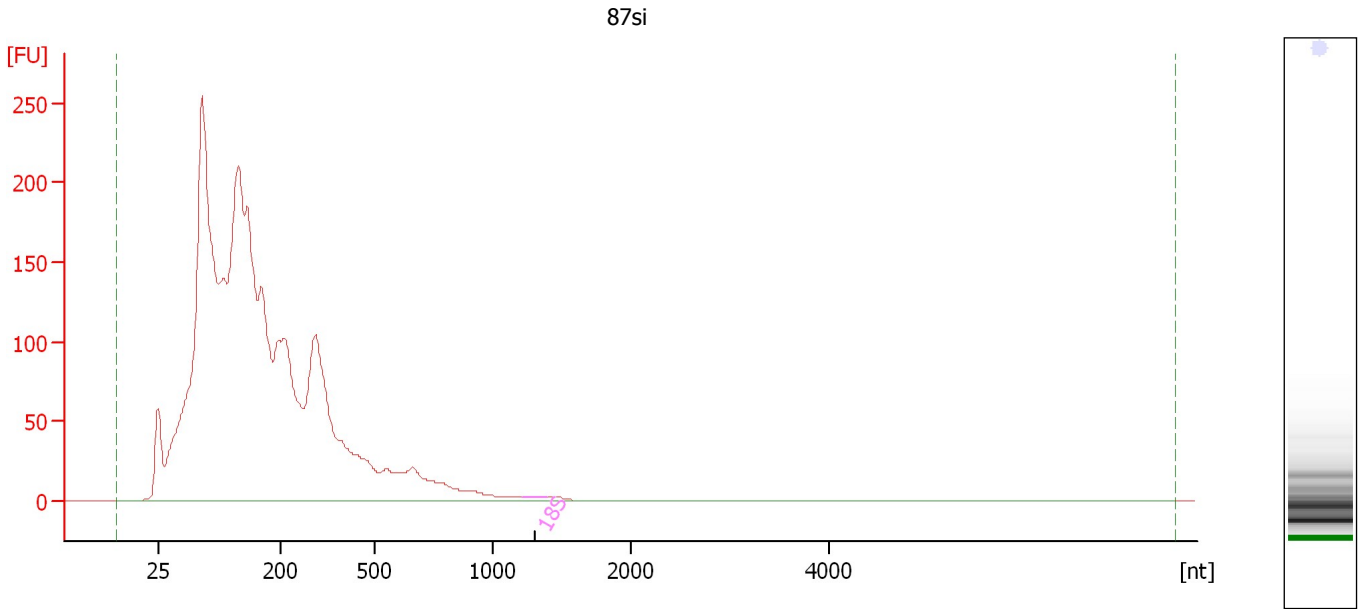
Fragment table for sample 1 : 87b

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,543 | 1,794 | 68.7 | 2.6 |
| 28S | 2,466 | 3,072 | 29.2 | 1.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 87si

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 3,872.5 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 13,667 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.20 |

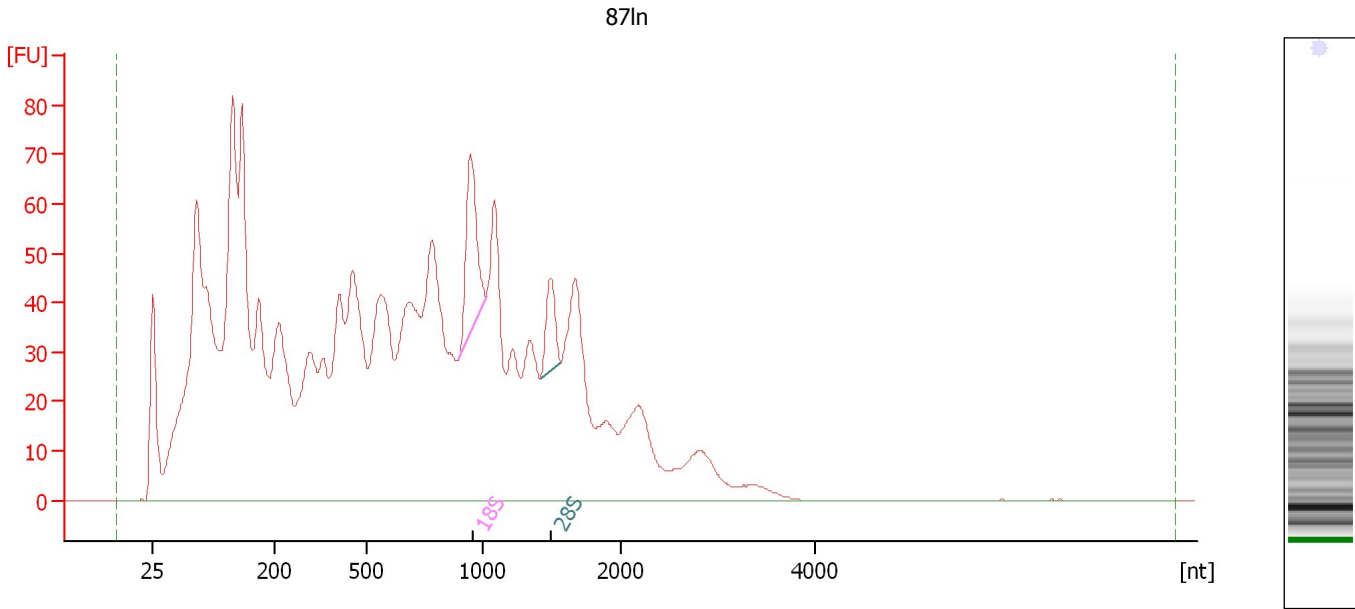
Fragment table for sample 2 : 87si

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,211 | 1,388 | 1.4 | 0.0 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
 Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 87In

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 2,515.4 | RNA Integrity Number (RIN): | 3 (B.02.08) |
| RNA Concentration: | 8,878 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.4 | Result Flagging Label: | RIN:3 |

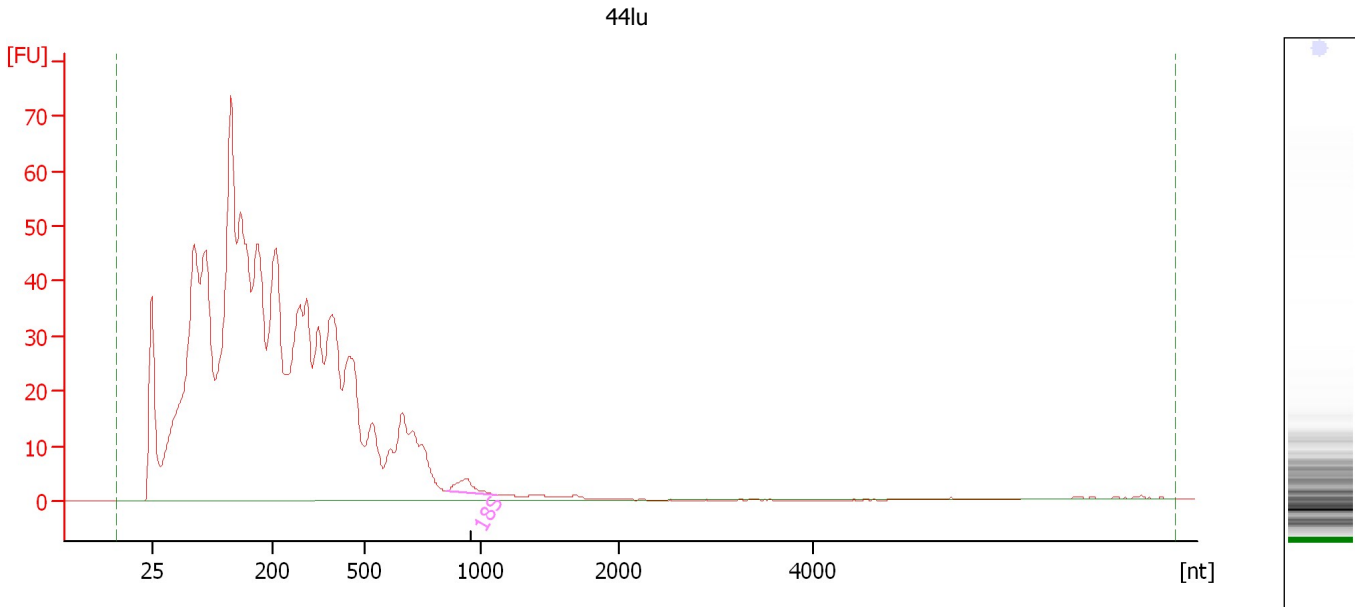
Fragment table for sample 3 : 87In

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 896 | 1,025 | 54.8 | 2.2 |
| 28S | 1,413 | 1,560 | 21.4 | 0.8 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 44lu

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,296.6 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 4,576 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.20 |

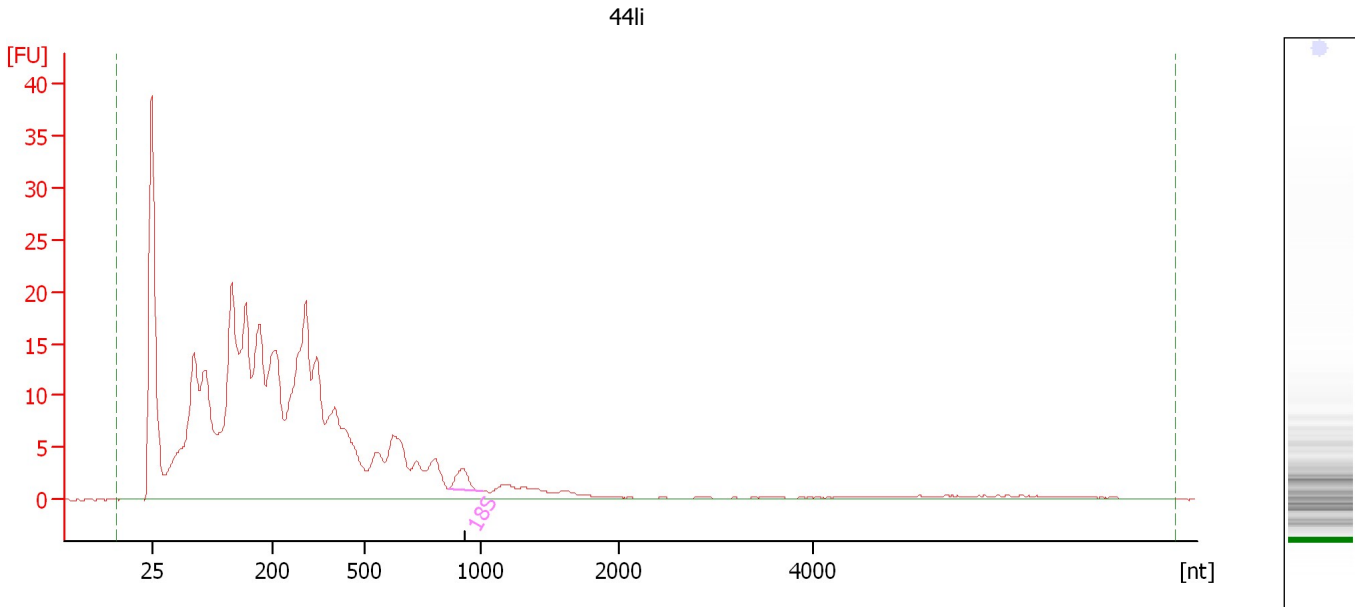
Fragment table for sample 4 : 44lu

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 853 | 1,116 | 6.7 | 0.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 44li

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 437.7 | RNA Integrity Number (RIN): | 2.6 (B.02.08) |
| RNA Concentration: | 1,545 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.60 |

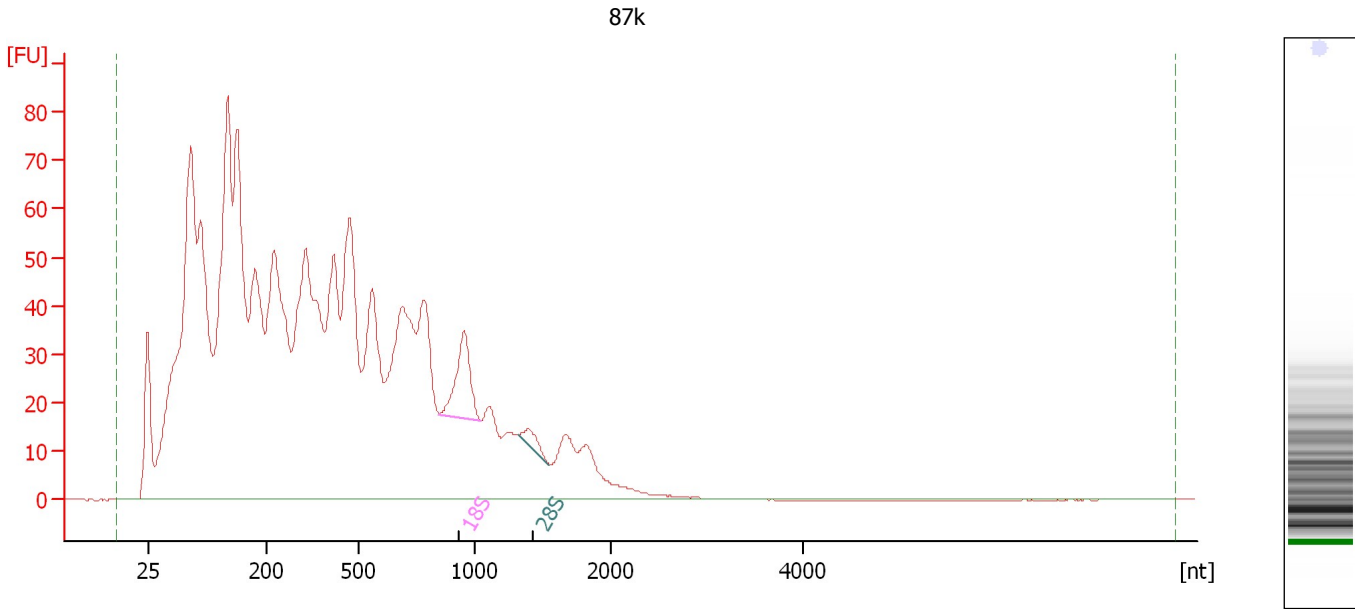
Fragment table for sample 5 : 44li

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 858 | 1,007 | 3.9 | 0.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 87k

RNA Area: 2,285.1 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 8,065 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 2.60

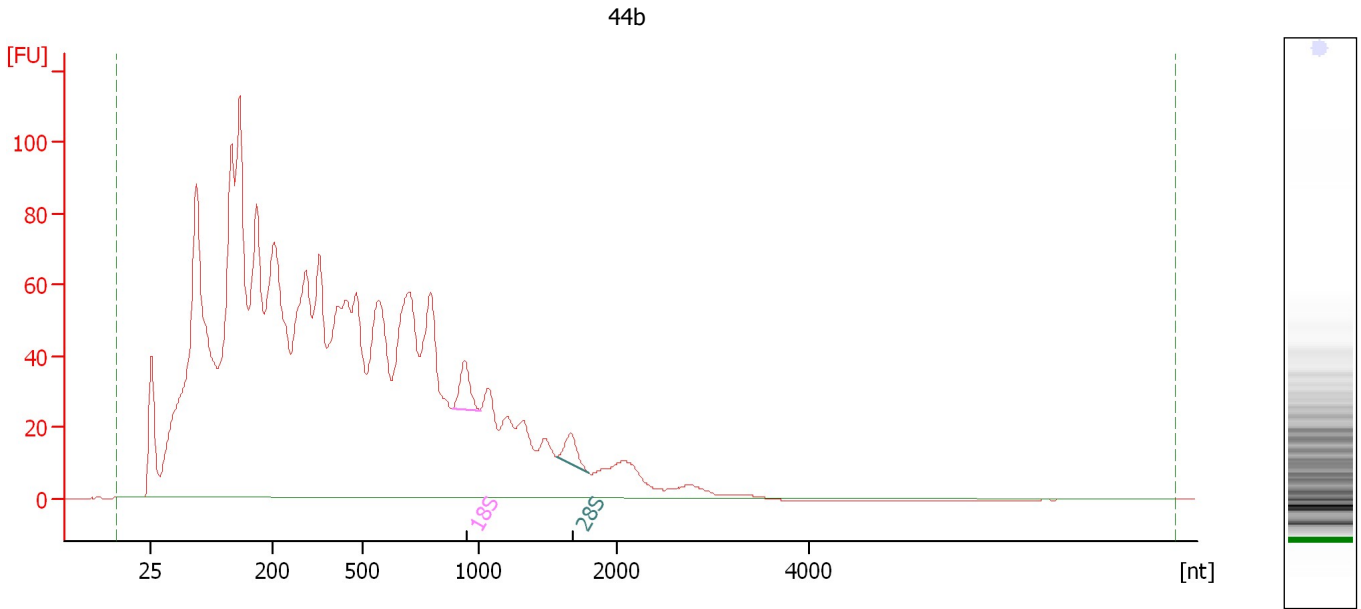
Fragment table for sample 6 : 87k

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 851 | 1,054 | 37.4 | 1.6 |
| 28S | 1,328 | 1,556 | 6.4 | 0.3 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
 Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 44b

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 2,908.4 | RNA Integrity Number (RIN): | 2.4 (B.02.08) |
| RNA Concentration: | 10,264 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.6 | Result Flagging Label: | RIN: 2.40 |

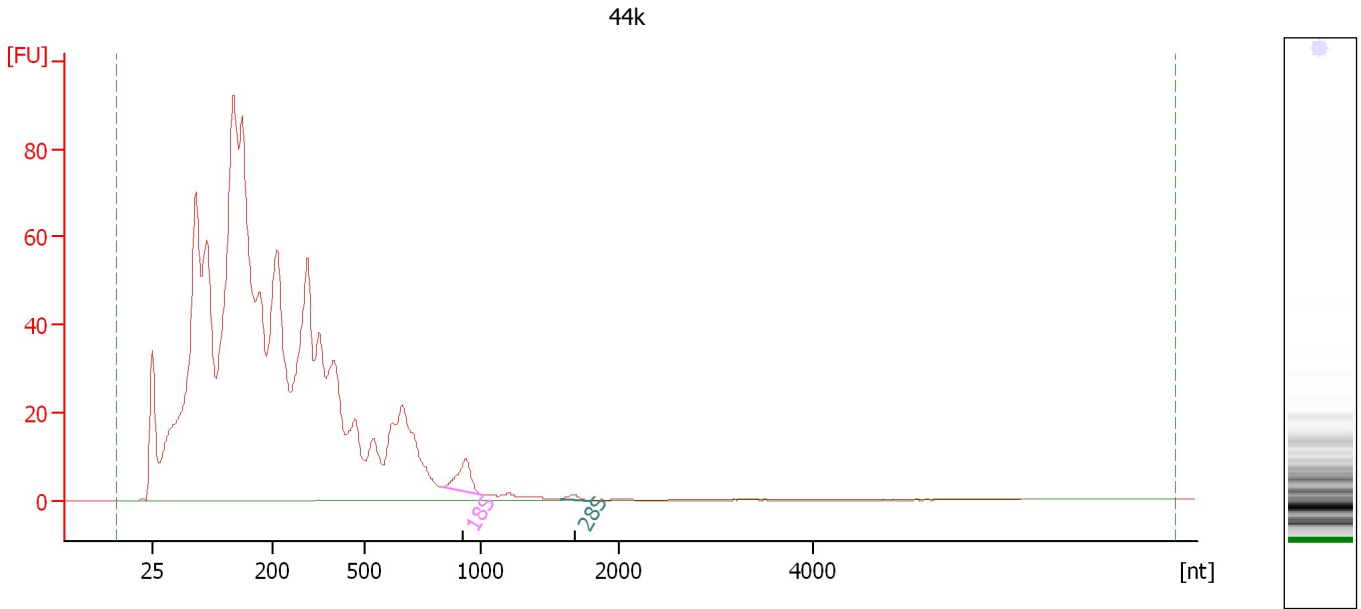
Fragment table for sample 7 : 44b

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 884 | 1,005 | 21.4 | 0.7 |
| 28S | 1,566 | 1,800 | 13.8 | 0.5 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 44k

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,600.7 | RNA Integrity Number (RIN): | 2.4 (B.02.08) |
| RNA Concentration: | 5,649 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.1 | Result Flagging Label: | RIN: 2.40 |

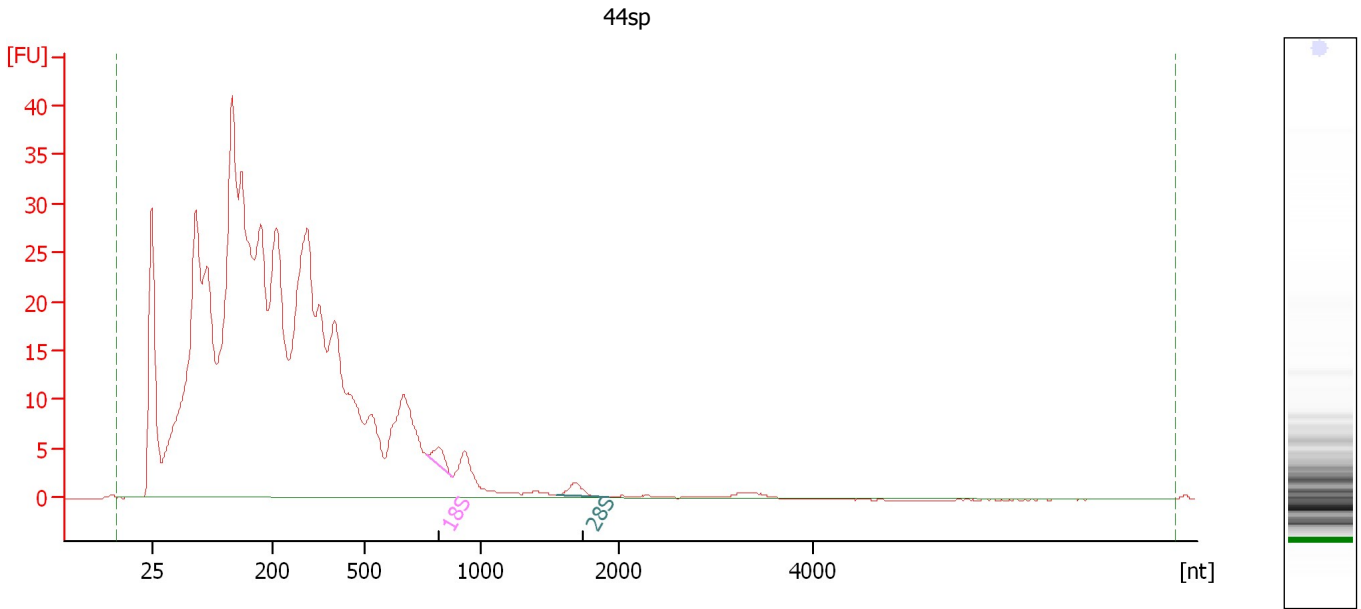
Fragment table for sample 8 : 44k

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 830 | 1,015 | 15.0 | 0.9 |
| 28S | 1,575 | 1,777 | 1.8 | 0.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 44sp

RNA Area: 795.5 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 2,808 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 2.30

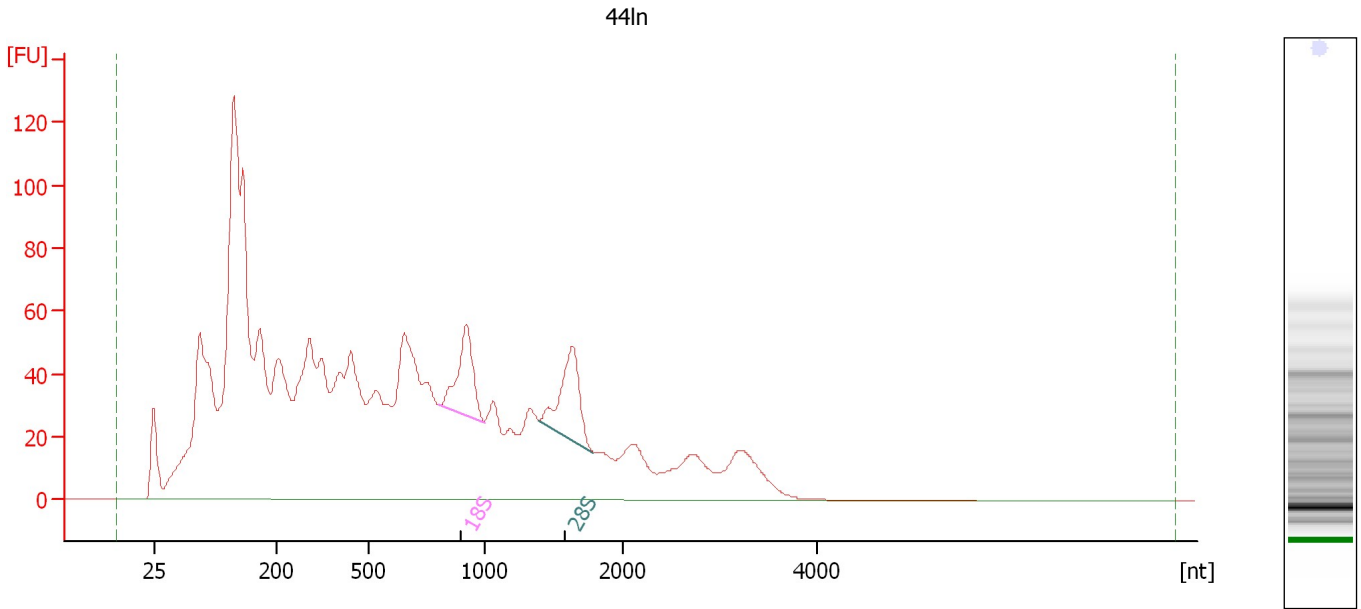
Fragment table for sample 9 : 44sp

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 766 | 876 | 3.2 | 0.4 |
| 28S | 1,544 | 1,925 | 2.3 | 0.3 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 44In

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 2,727.2 | RNA Integrity Number (RIN): | 3.2 (B.02.08) |
| RNA Concentration: | 9,625 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.1 | Result Flagging Label: | RIN: 3.20 |

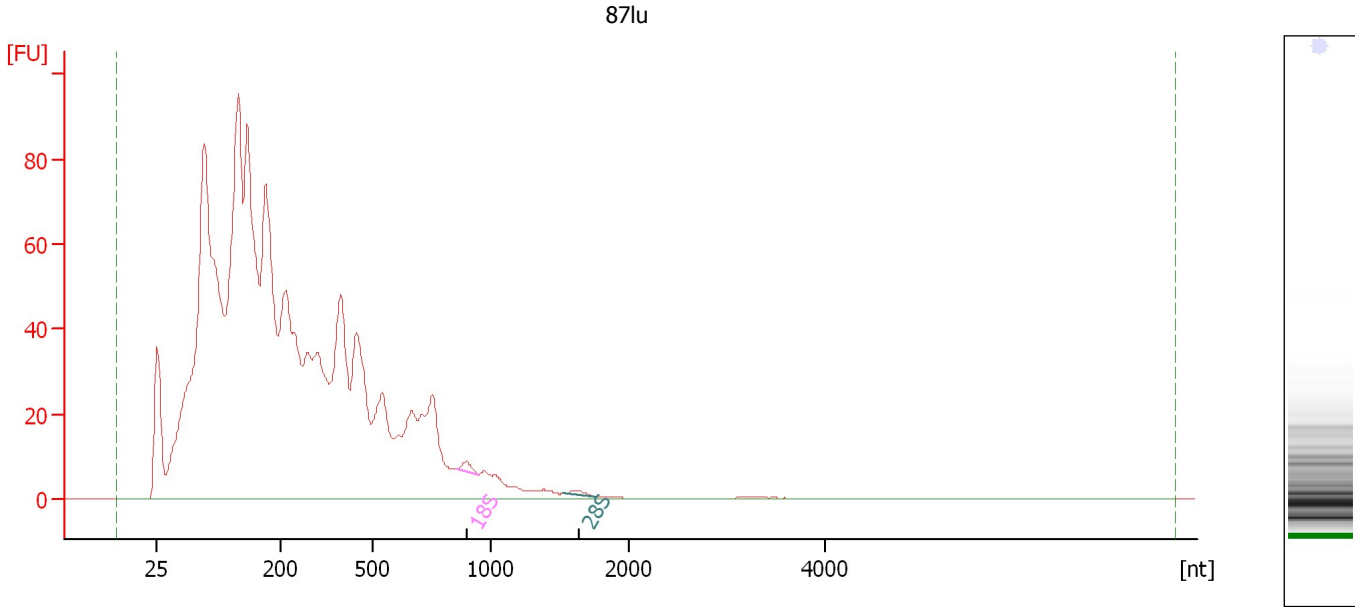
Fragment table for sample 10 : 44In

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 806 | 997 | 65.7 | 2.4 |
| 28S | 1,391 | 1,785 | 72.7 | 2.7 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 87lu

RNA Area: 1,864.0 RNA Integrity Number (RIN): 2.2 (B.02.08)
RNA Concentration: 6,579 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 2.20

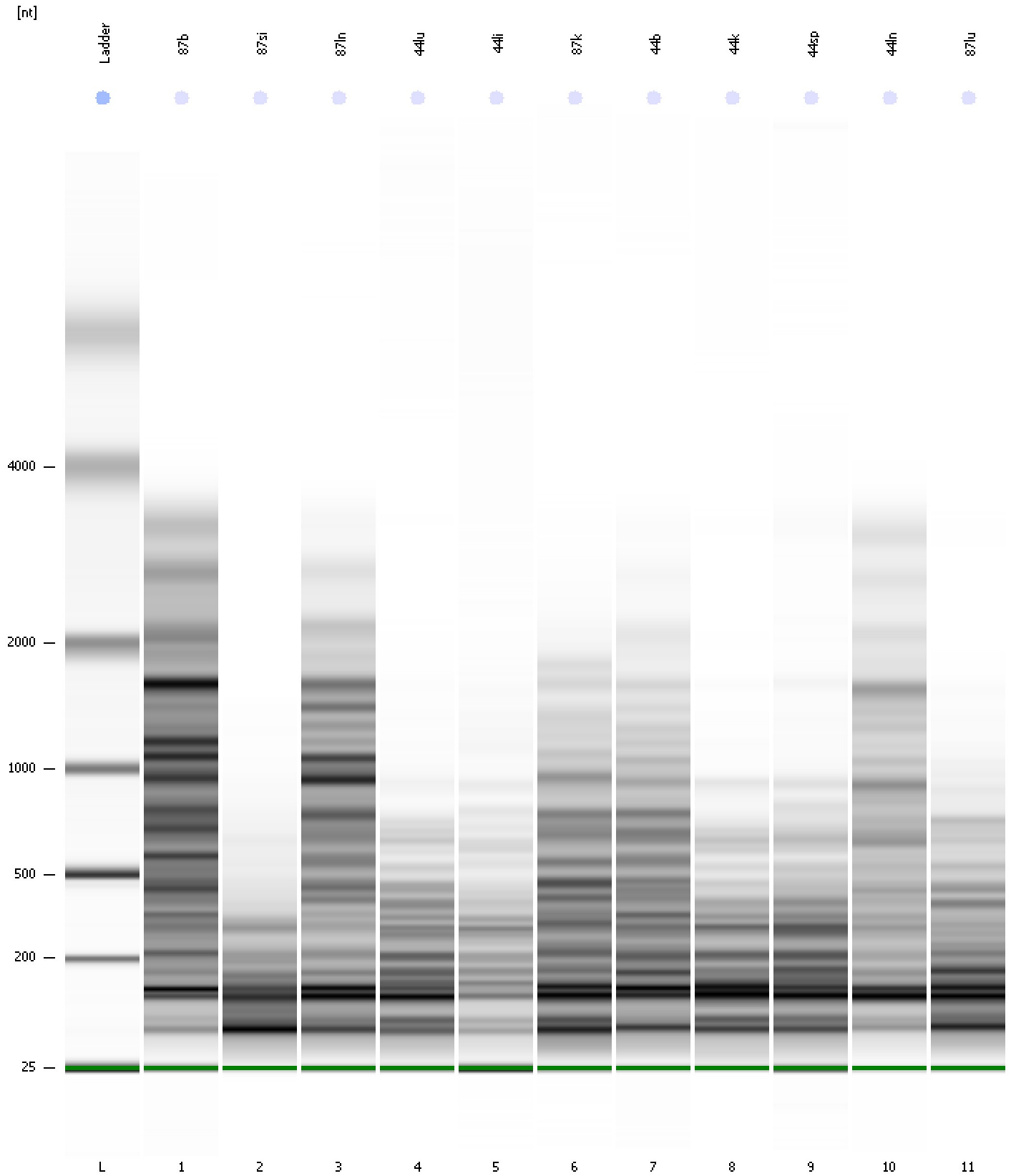
Fragment table for sample 11 : 87lu

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 856 | 947 | 3.1 | 0.2 |
| 28S | 1,525 | 1,763 | 2.1 | 0.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-28\2017-07-28_001.xad

Created: 7/28/2017 9:36:50 AM
Modified: 7/28/2017 9:59:49 AM

Curves

Standard Curve

