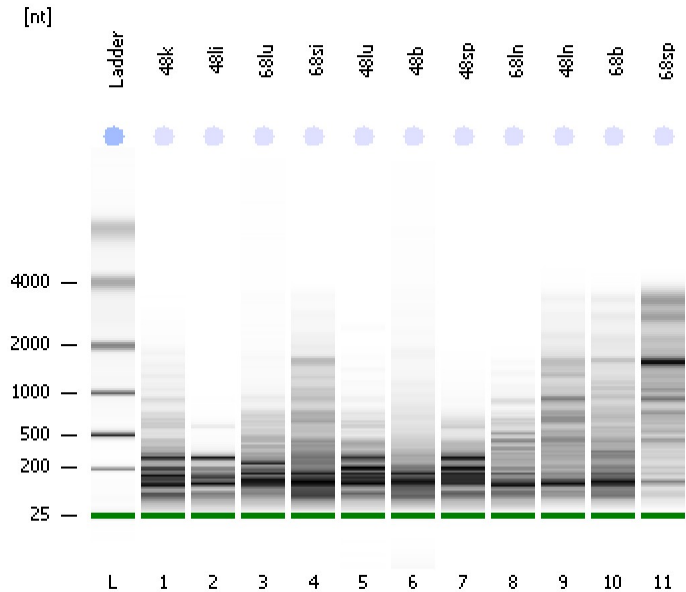


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
 Modified: 8/18/2017 10:40:41 AM

Electrophoresis File Run Summary



Instrument Information:

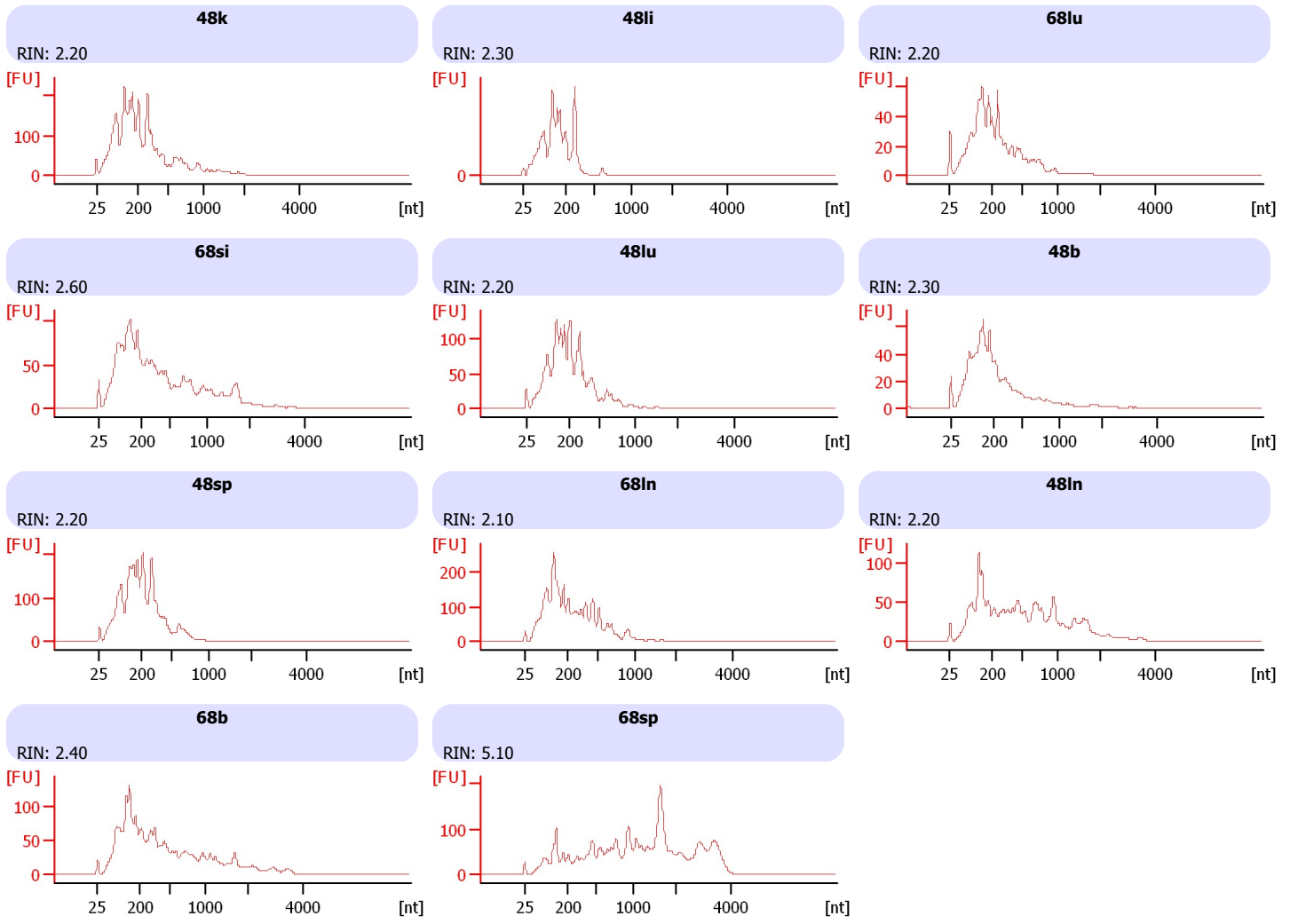
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
 Modified: 8/18/2017 10:40:41 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Status | Result Label | Result Color |
|-------------|----------------|--------|-------------------|--------------|
| 48k | | ✓ | RIN: 2.20 | |
| 48li | | ✓ | RIN: 2.30 | |
| 68lu | | ✓ | RIN: 2.20 | |
| 68si | | ✓ | RIN: 2.60 | |
| 48lu | | ✓ | RIN: 2.20 | |
| 48b | | ✓ | RIN: 2.30 | |
| 48sp | | ✓ | RIN: 2.20 | |
| 68ln | | ✓ | RIN: 2.10 | |
| 48ln | | ✓ | RIN: 2.20 | |
| 68b | | ✓ | RIN: 2.40 | |
| 68sp | | ✓ | RIN: 5.10 | |
| Ladder | | ✓ | All Other Samples | |

Chip Lot #

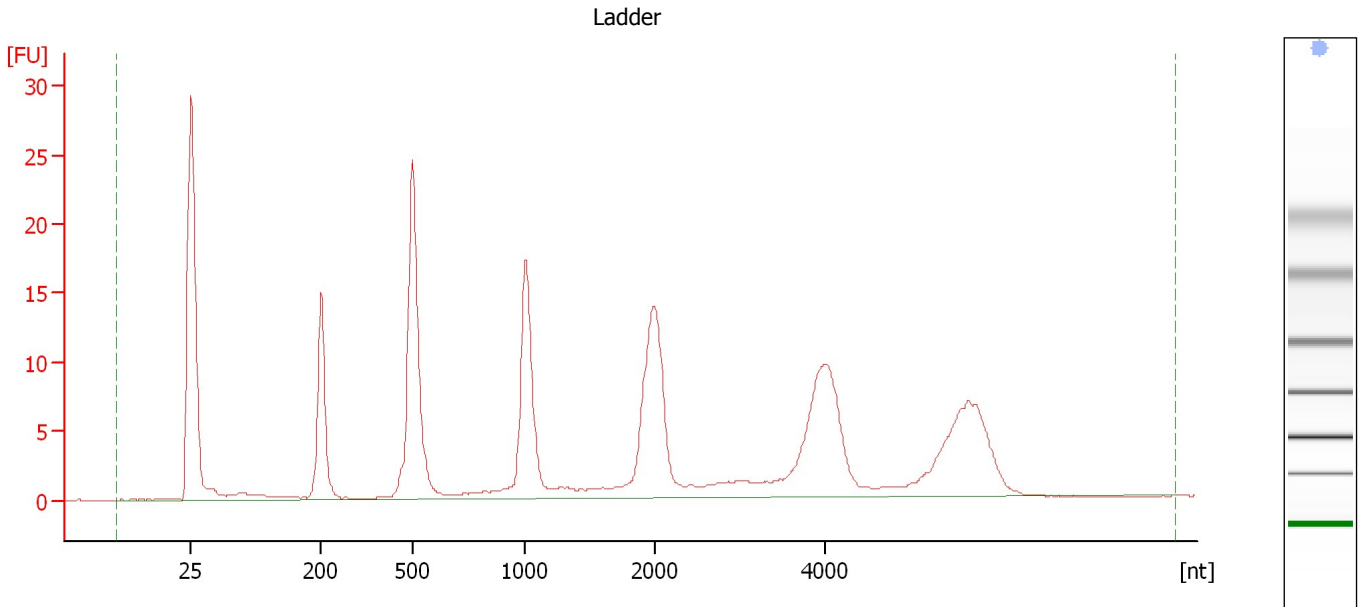
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary



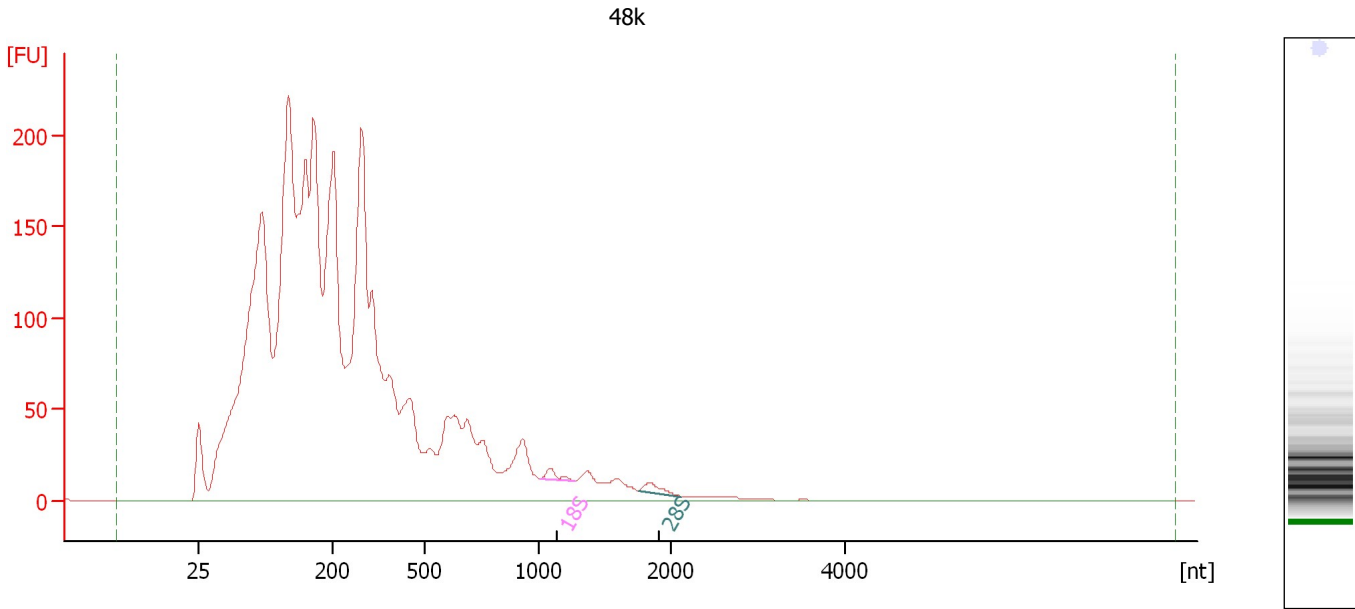
Overall Results for Ladder

| | | | |
|--------------------|-------------|------------------------|---|
| RNA Area: | 217.9 | 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\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 48k

| | | | |
|-------------------------|--------------------|-----------------------------|---|
| RNA Area: | 4,235.6 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 19,435 pg/ μ l | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 1.2 | Result Flagging Label: | RIN: 2.20 |

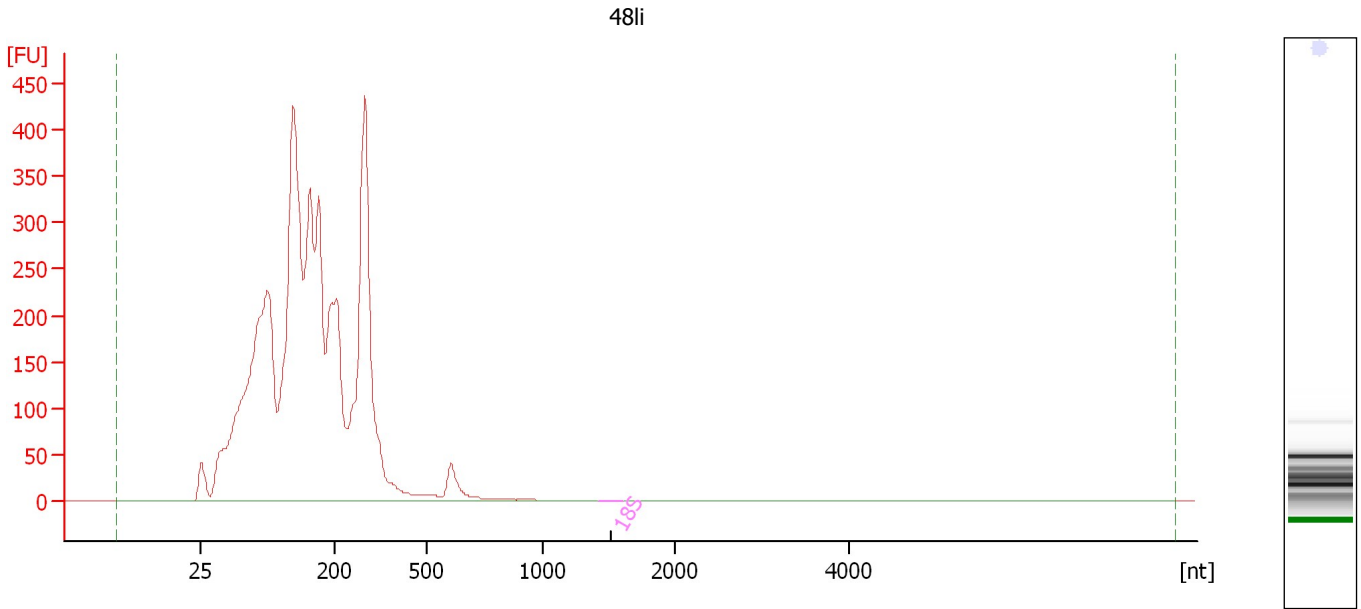
Fragment table for sample 1 : 48k

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,012 | 1,264 | 8.3 | 0.2 |
| 28S | 1,751 | 2,115 | 9.7 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
 Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 48li

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 5,214.8 | RNA Integrity Number (RIN): | 2.3 (B.02.08) |
| RNA Concentration: | 23,928 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.30 |

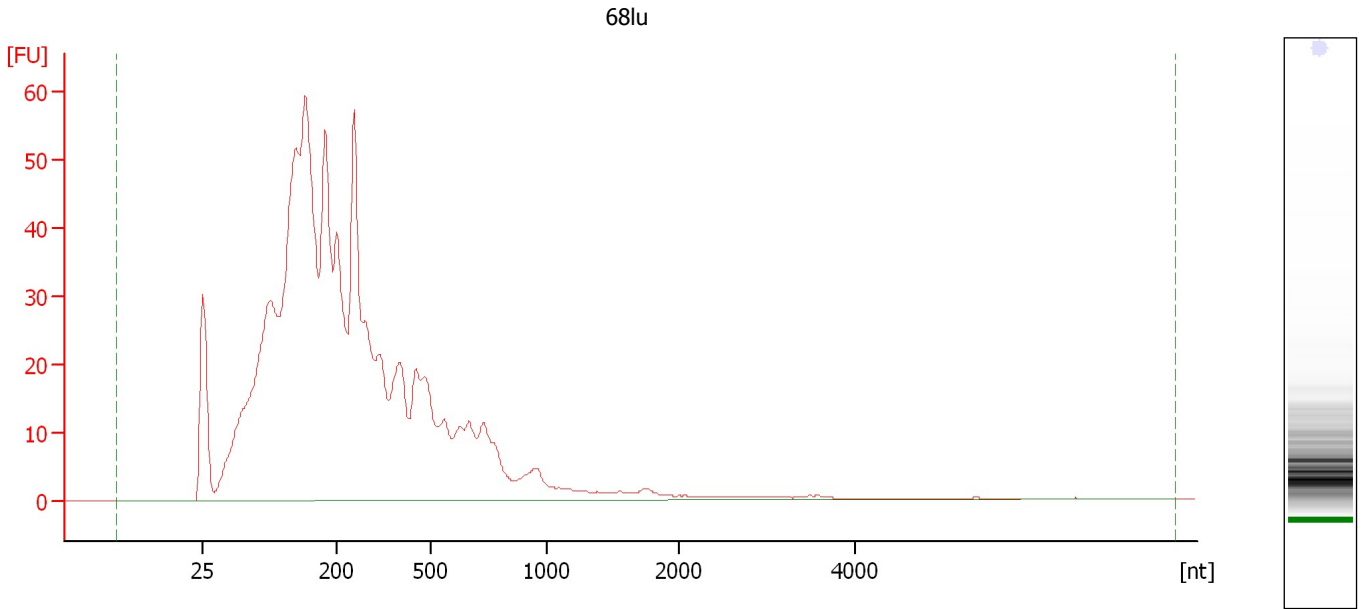
Fragment table for sample 2 : 48li

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,422 | 1,599 | 0.8 | 0.0 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



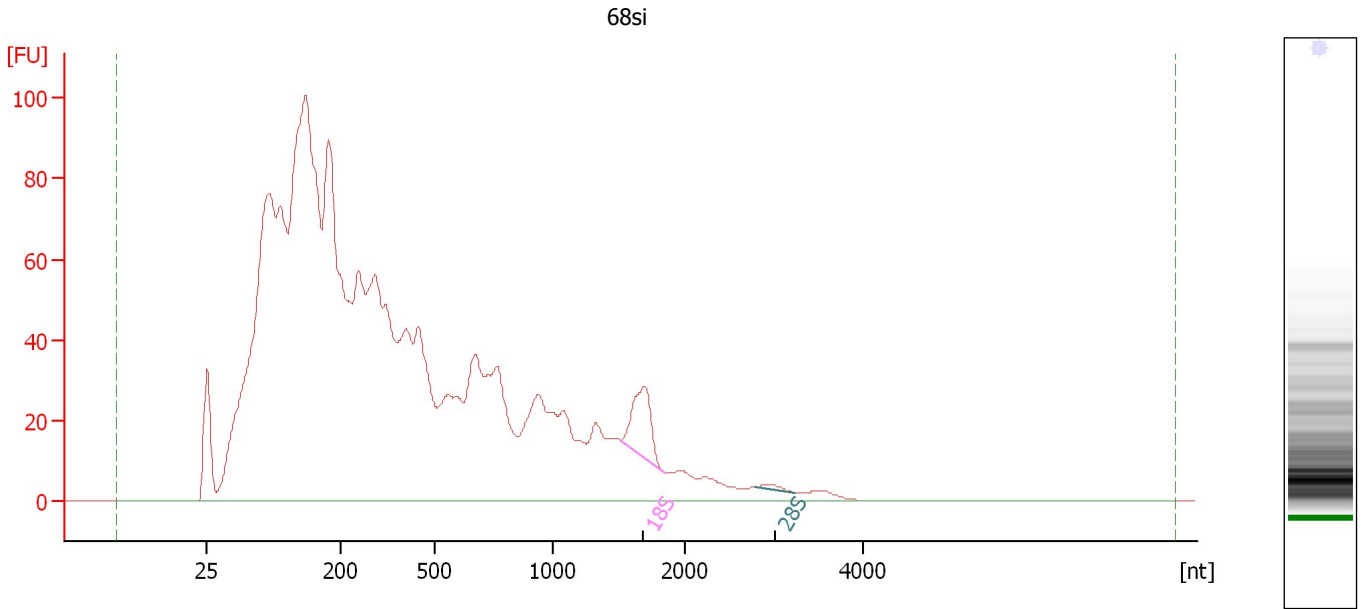
Overall Results for sample 3 : 68lu

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,061.0 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 4,868 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.20 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 68si

RNA Area: 2,544.8 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 11,677 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.60

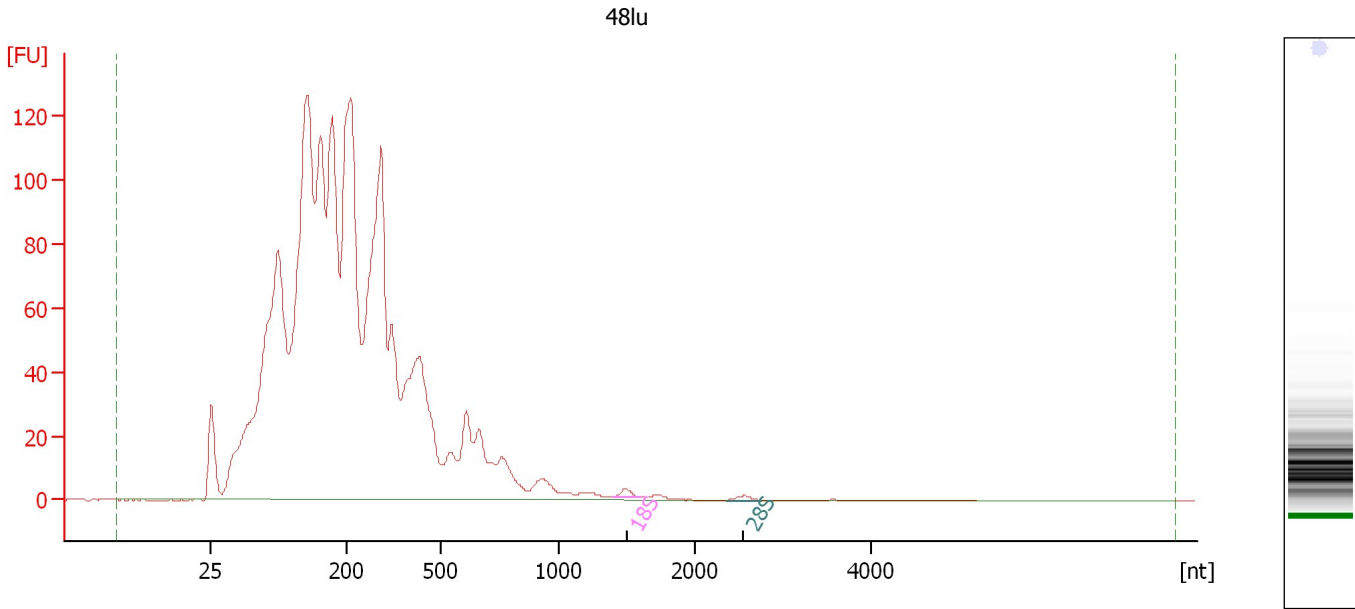
Fragment table for sample 4 : 68si

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,518 | 1,838 | 38.3 | 1.5 |
| 28S | 2,784 | 3,232 | 2.5 | 0.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 48lu

| | | | |
|-------------------------|--------------------|-----------------------------|---|
| RNA Area: | 2,275.1 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 10,440 pg/ μ l | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.7 | Result Flagging Label: | RIN: 2.20 |

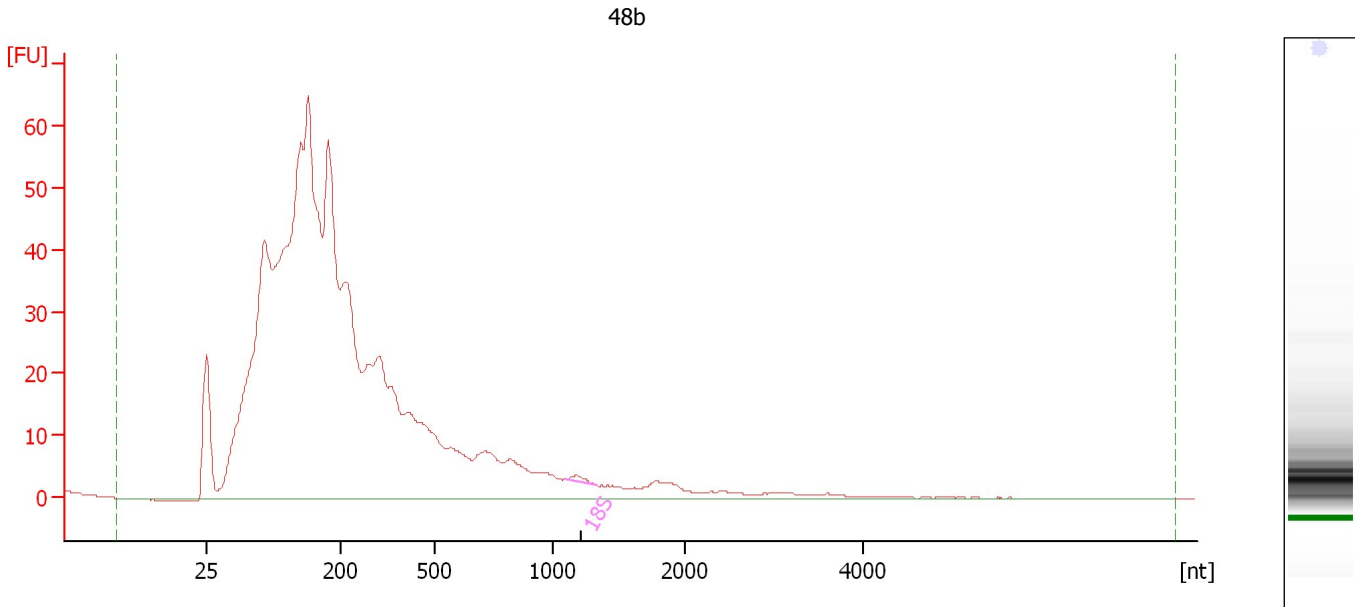
Fragment table for sample 5 : 48lu

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,397 | 1,603 | 3.4 | 0.1 |
| 28S | 2,360 | 2,756 | 2.2 | 0.1 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 48b

| | | | |
|-------------------------|-------------|-----------------------------|---|
| RNA Area: | 1,133.3 | RNA Integrity Number (RIN): | 2.3 (B.02.08) |
| RNA Concentration: | 5,200 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.30 |

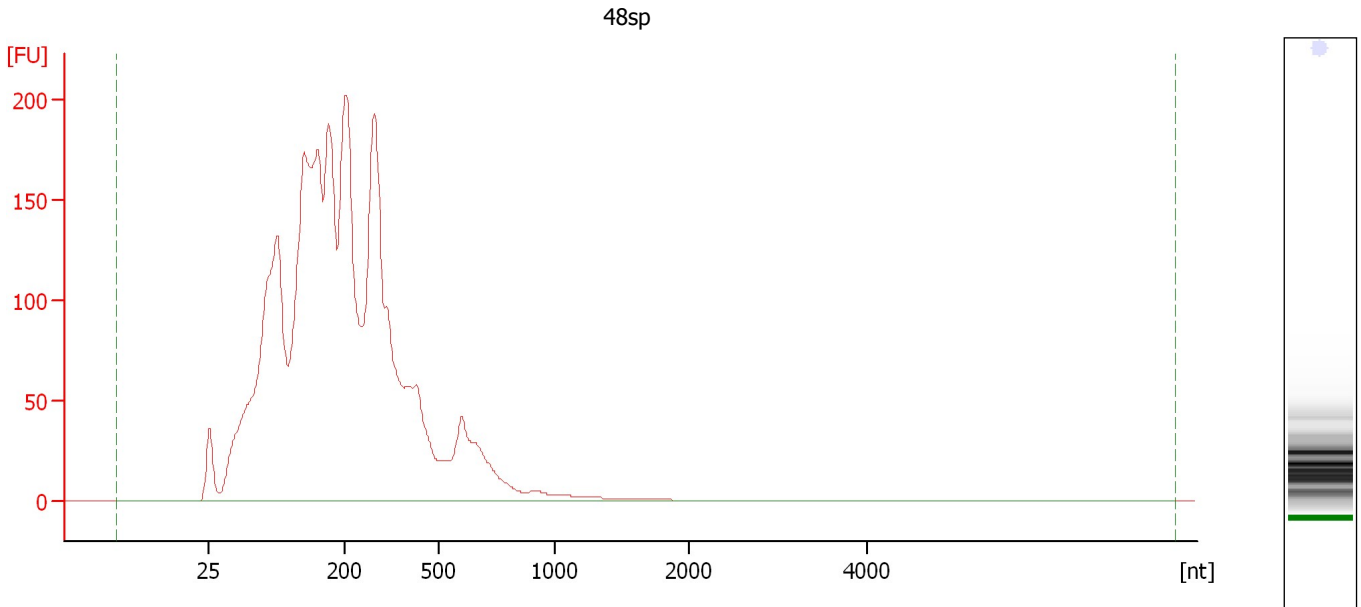
Fragment table for sample 6 : 48b

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,094 | 1,342 | 1.9 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



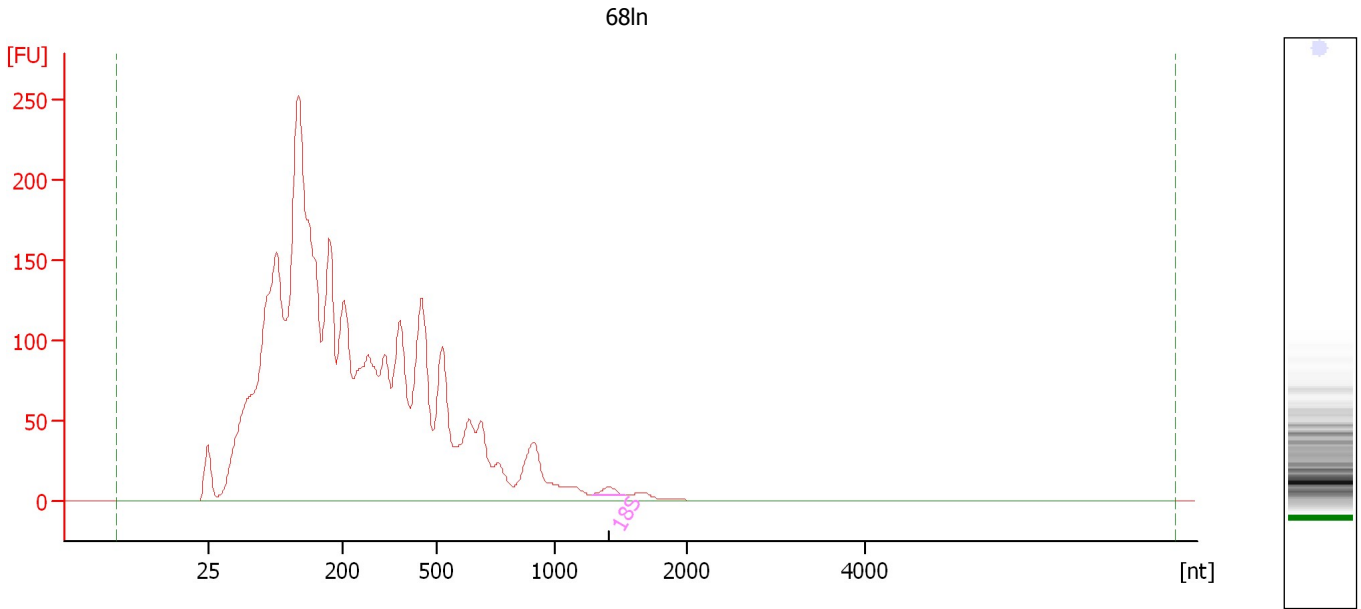
Overall Results for sample 7 : 48sp

| | | | |
|-------------------------|--------------------|-----------------------------|---|
| RNA Area: | 3,644.3 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 16,722 pg/ μ l | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.20 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 68ln

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 4,038.8 | RNA Integrity Number (RIN): | 2.1 (B.02.08) |
| RNA Concentration: | 18,532 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.0 | Result Flagging Label: | RIN: 2.10 |

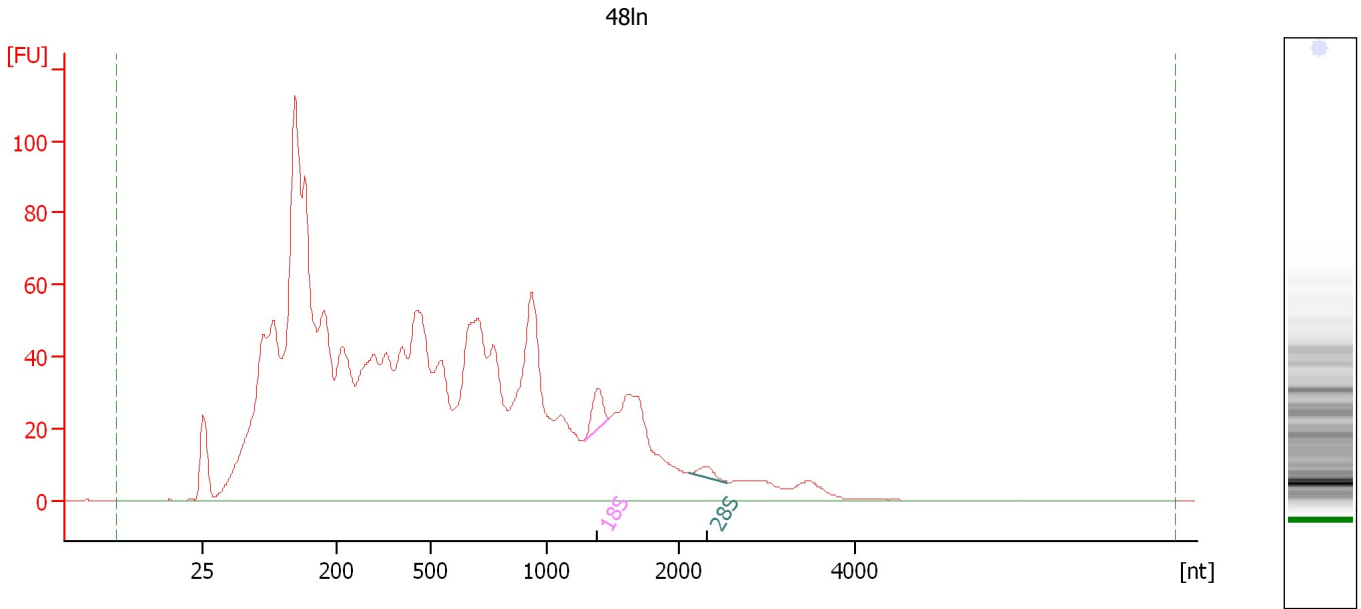
Fragment table for sample 8 : 68ln

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,288 | 1,535 | 8.9 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 48ln

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 2,353.3 | RNA Integrity Number (RIN): | 2.2 (B.02.08) |
| RNA Concentration: | 10,798 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.3 | Result Flagging Label: | RIN: 2.20 |

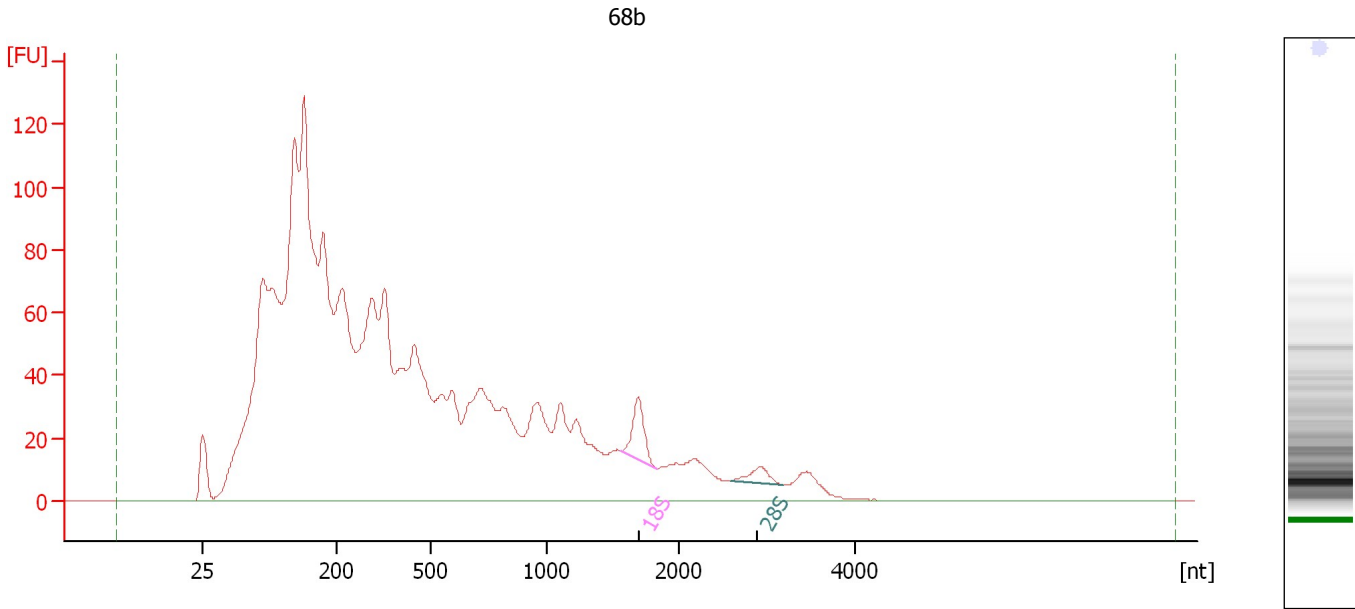
Fragment table for sample 9 : 48ln

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,280 | 1,473 | 14.9 | 0.6 |
| 28S | 2,117 | 2,543 | 5.0 | 0.2 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : 68b

RNA Area: 2,750.8 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 12,622 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.40

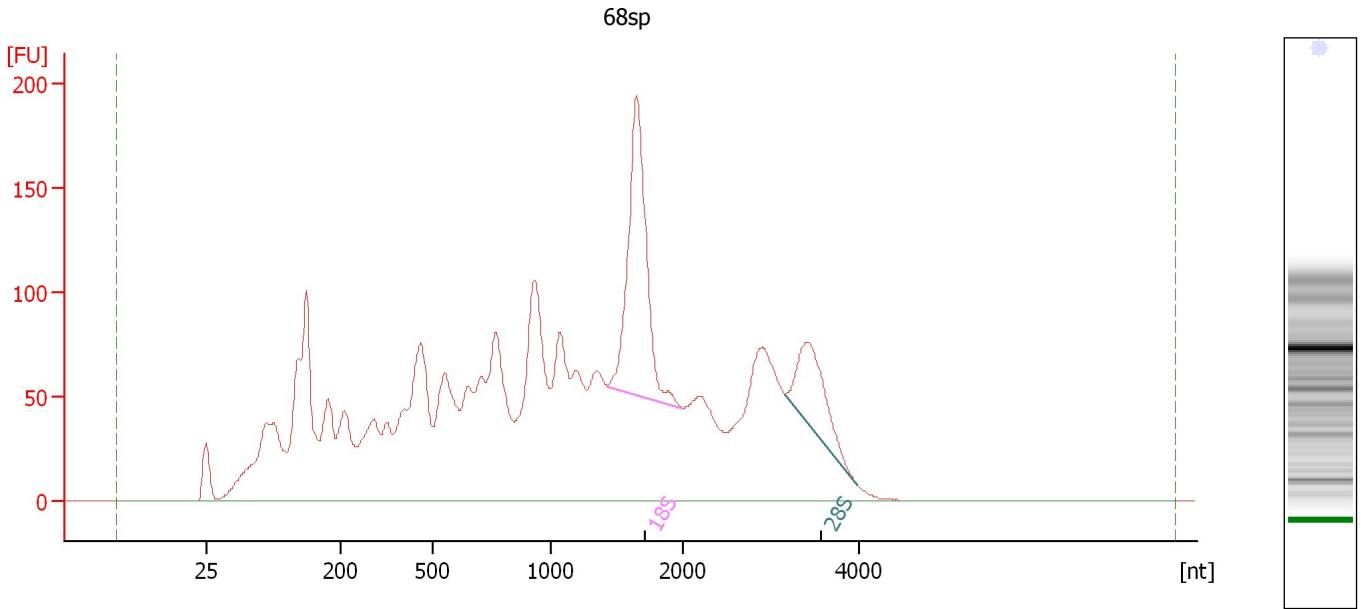
Fragment table for sample 10 : 68b

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|------|-----------------|
| 18S | 1,562 | 1,828 | 27.9 | 1.0 |
| 28S | 2,592 | 3,189 | 10.9 | 0.4 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 68sp

| | | | |
|-------------------------|--------------|-----------------------------|---|
| RNA Area: | 3,989.5 | RNA Integrity Number (RIN): | 5.1 (B.02.08) |
| RNA Concentration: | 18,306 pg/μl | Result Flagging Color: | |
| rRNA Ratio [28s / 18s]: | 0.4 | Result Flagging Label: | RIN: 5.10 |

Fragment table for sample 11 : 68sp

| Name | Start Size [nt] | End Size [nt] | Area | % of total Area |
|------|-----------------|---------------|-------|-----------------|
| 18S | 1,428 | 1,990 | 316.7 | 7.9 |
| 28S | 3,149 | 3,974 | 115.8 | 2.9 |

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-18\2017-08-18_002.xad

Created: 8/18/2017 10:18:34 AM
Modified: 8/18/2017 10:40:41 AM

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