

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

Created: 11/3/2016 2:16:03 PM
Modified: 11/3/2016 2:38:59 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

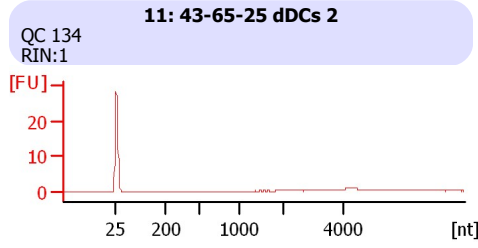
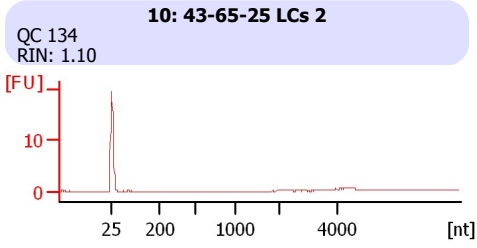
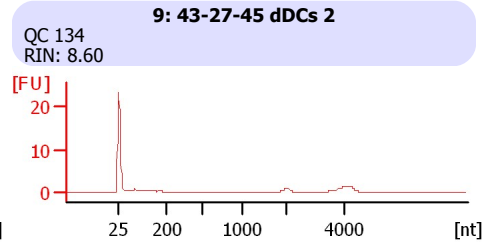
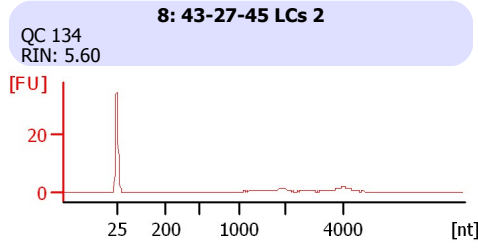
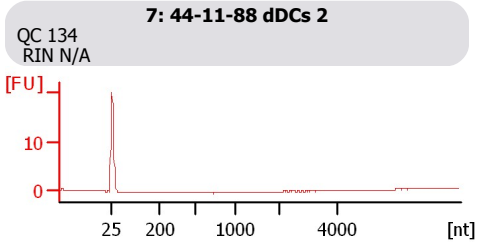
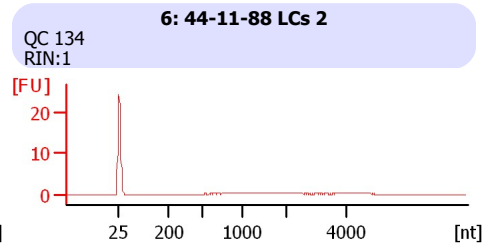
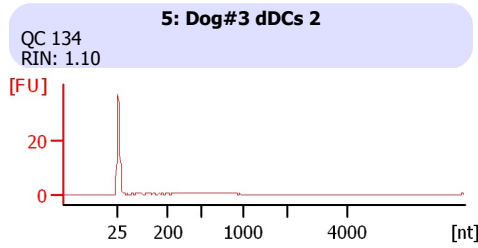
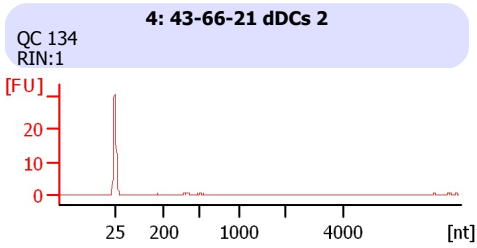
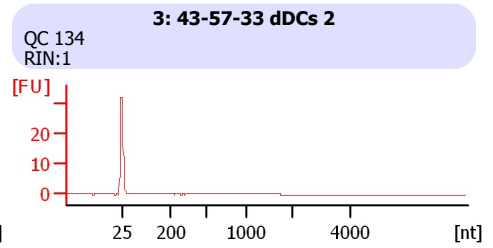
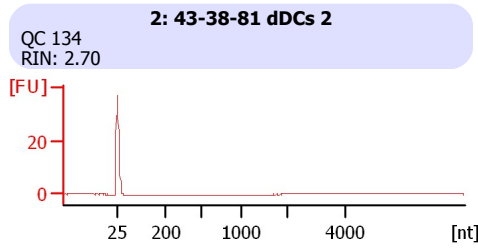
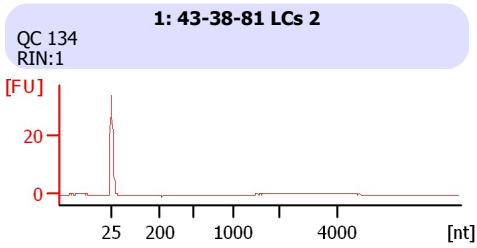
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1: 43-38-81 LCs 2	QC 134	✓	RIN:1	
2: 43-38-81 dDCs 2	QC 134	✓	RIN: 2.70	
3: 43-57-33 dDCs 2	QC 134	✓	RIN:1	
4: 43-66-21 dDCs 2	QC 134	✓	RIN:1	
5: Dog#3 dDCs 2	QC 134	✓	RIN: 1.10	
6: 44-11-88 LCs 2	QC 134	✓	RIN:1	
7: 44-11-88 dDCs 2	QC 134	✓	RIN N/A	
8: 43-27-45 LCs 2	QC 134	✓	RIN: 5.60	
9: 43-27-45 dDCs 2	QC 134	✓	RIN: 8.60	
10: 43-65-25 LCs 2	QC 134	✓	RIN: 1.10	
11: 43-65-25 dDCs 2	QC 134	✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

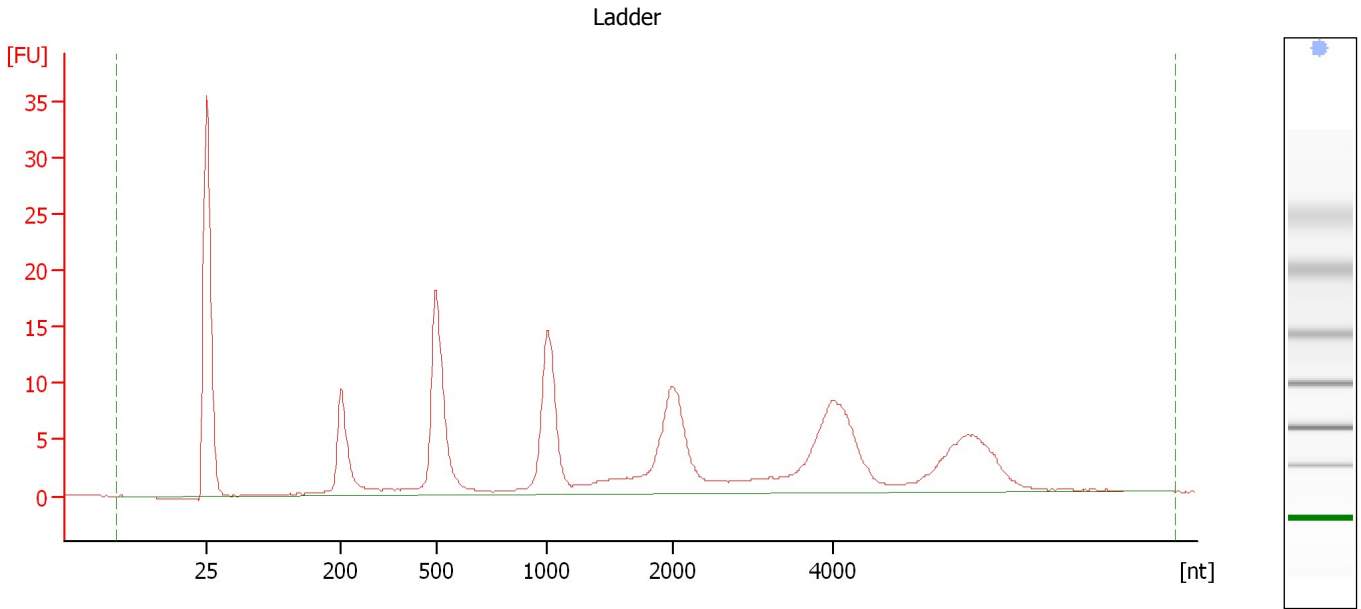
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

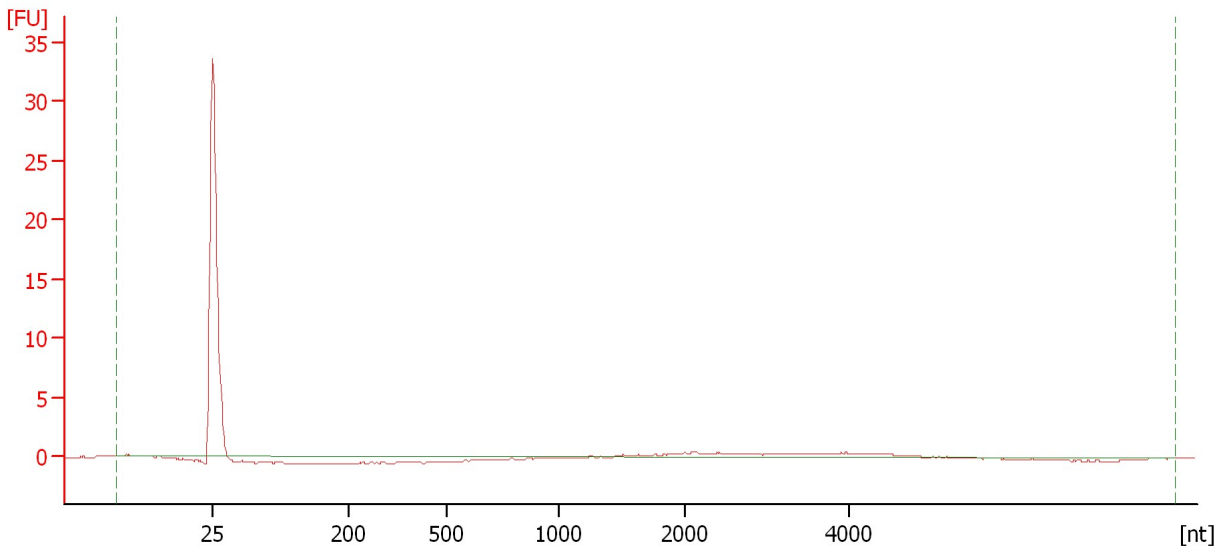
RNA Area:	206.7	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...

1: 43-38-81 LCs 2 [QC 134]



Overall Results for sample 1 : 1: 43-38-81 LCs 2

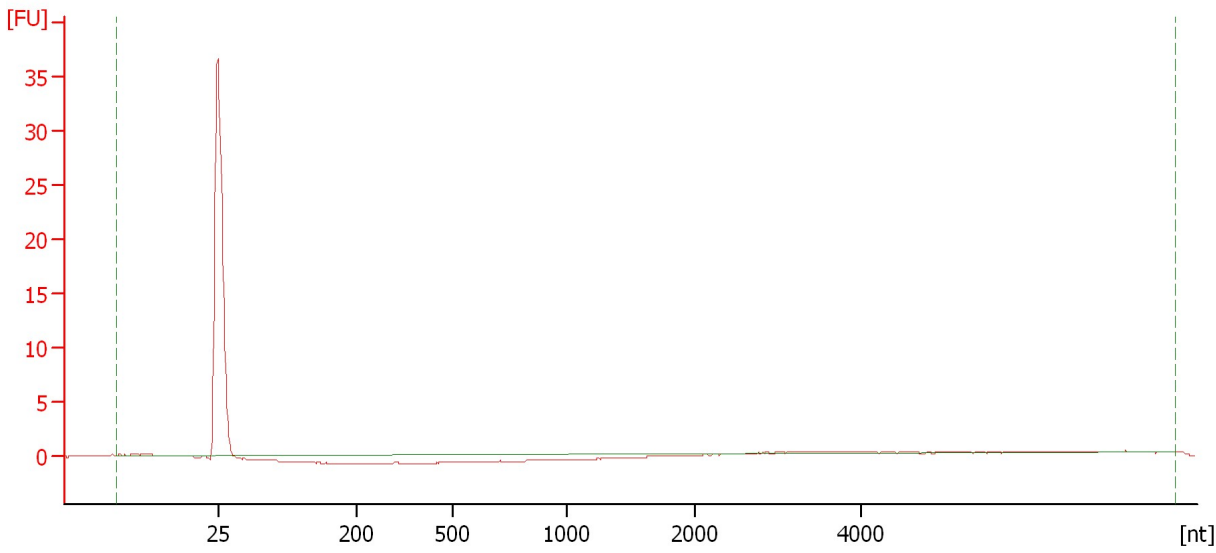
RNA Area:	7.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	34 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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Electropherogram Summary Continued ...

2: 43-38-81 dDCs 2 [QC 134]



Overall Results for sample 2 : 2: 43-38-81 dDCs 2

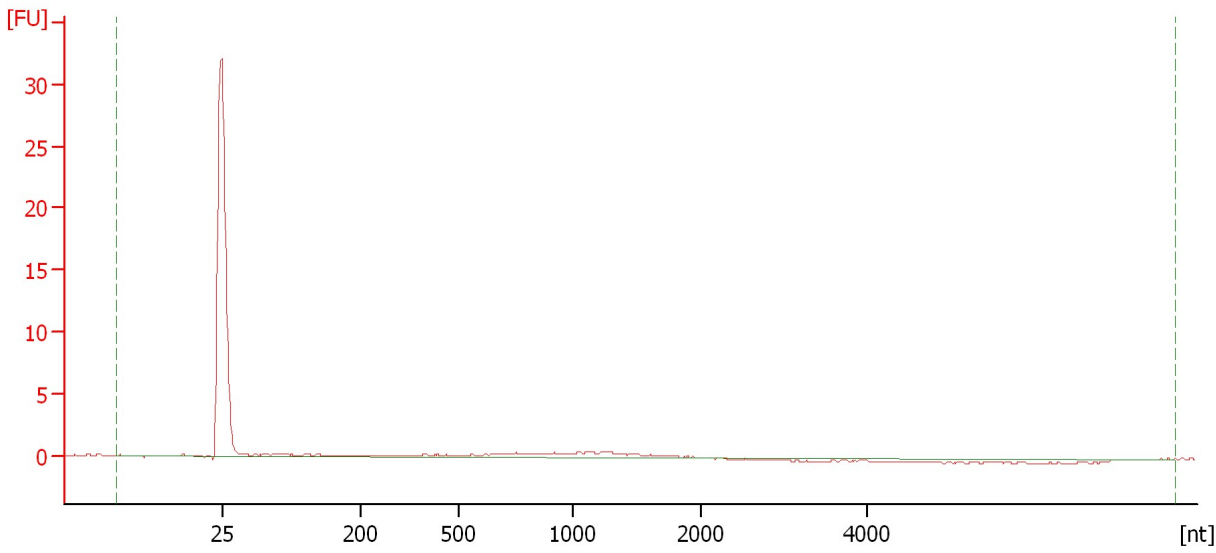
RNA Area:	3.8	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	18 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

3: 43-57-33 dDCs 2 [QC 134]



Overall Results for sample 3 : 3: 43-57-33 dDCs 2

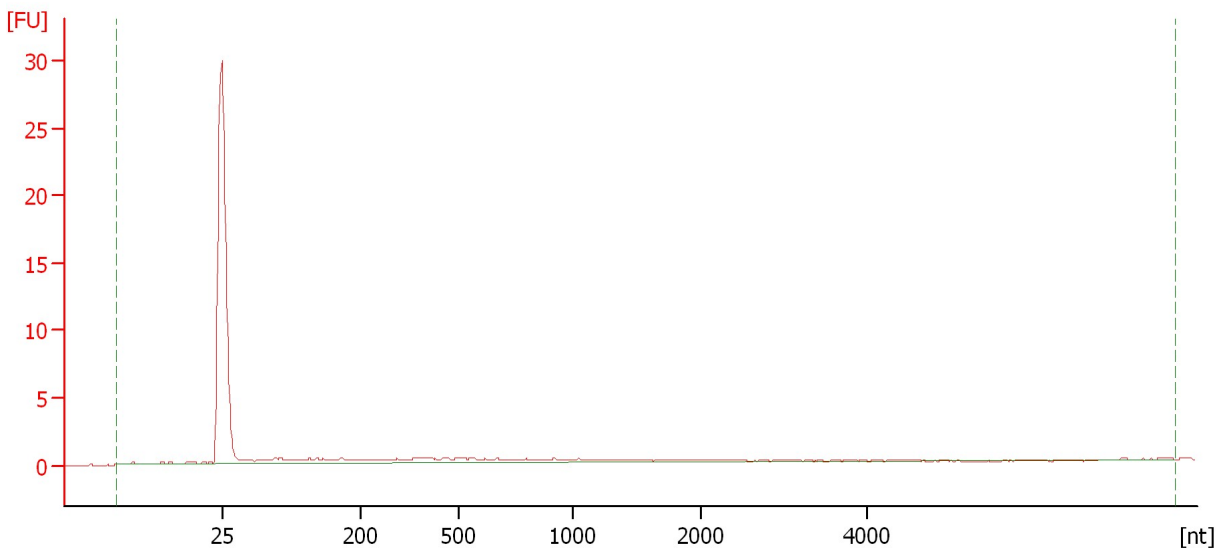
RNA Area:	8.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	40 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

4: 43-66-21 dDCs 2 [QC 134]



Overall Results for sample 4 : 4: 43-66-21 dDCs 2

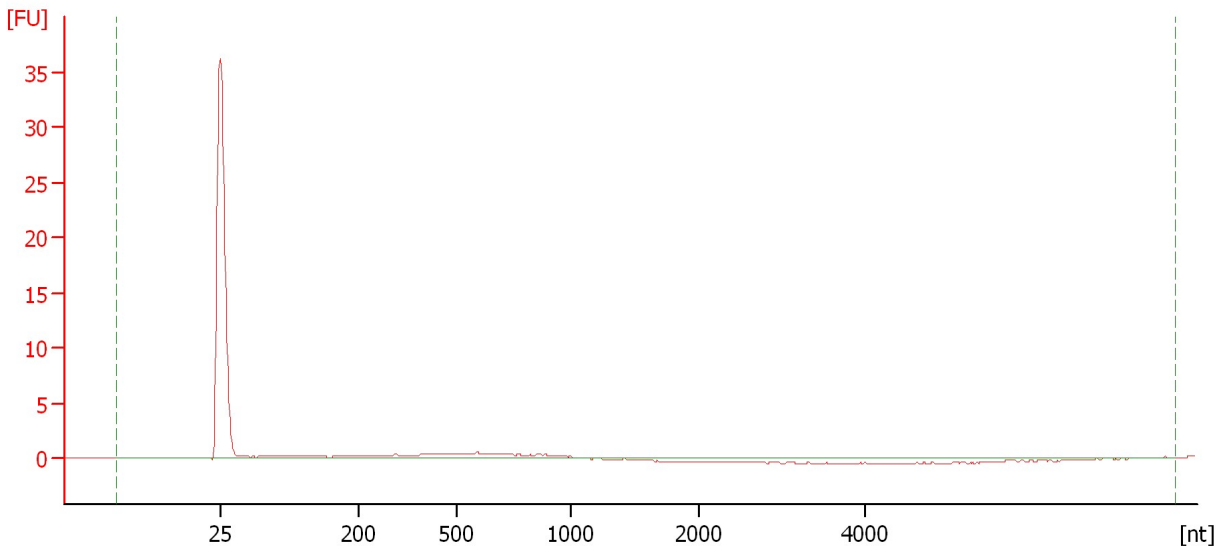
RNA Area:	18.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	89 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

5: Dog#3 dDCs 2 [QC 134]



Overall Results for sample 5 : 5: Dog#3 dDCs 2

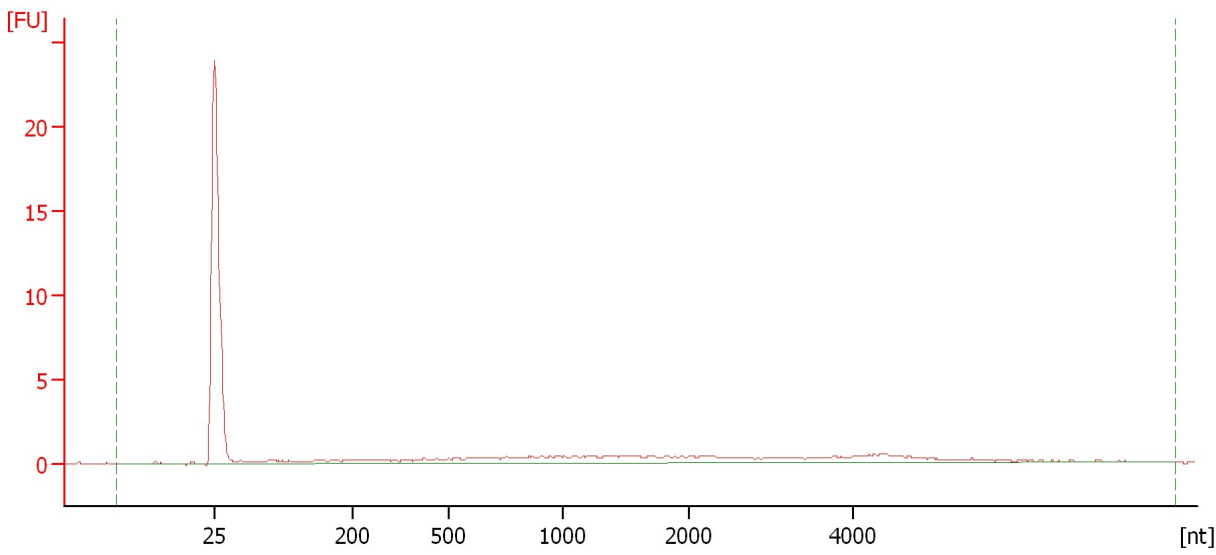
RNA Area:	13.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	67 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

6: 44-11-88 LCs 2 [QC 134]



Overall Results for sample 6 : 6: 44-11-88 LCs 2

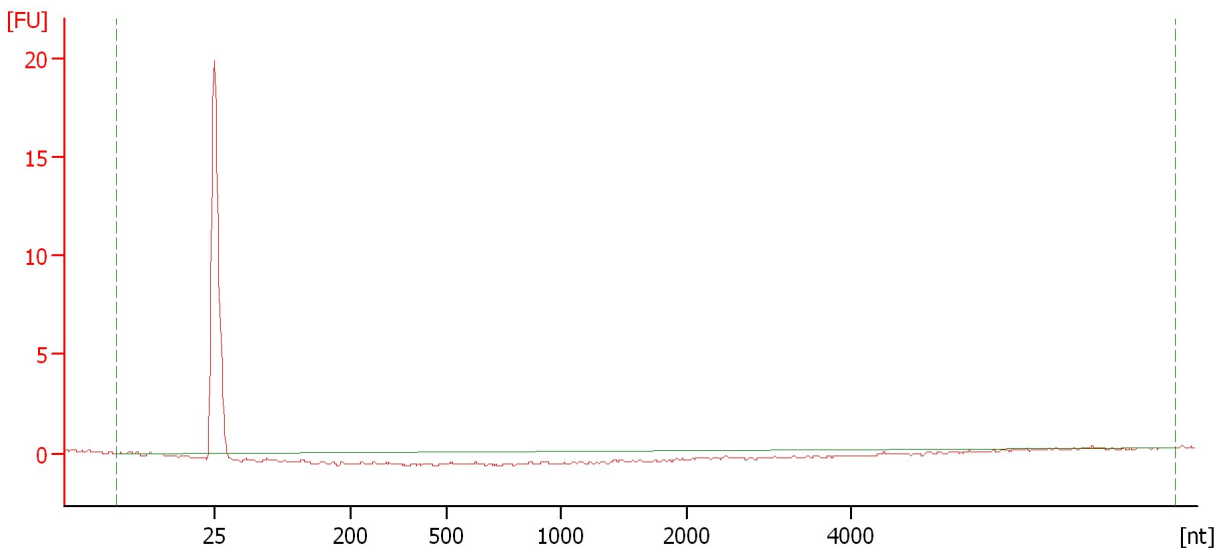
RNA Area:	23.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	112 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad


Created: 11/3/2016 2:16:03 PM
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Electropherogram Summary Continued ...

7: 44-11-88 dDCs 2 [QC 134]



Overall Results for sample 7 : 7: 44-11-88 dDCs 2

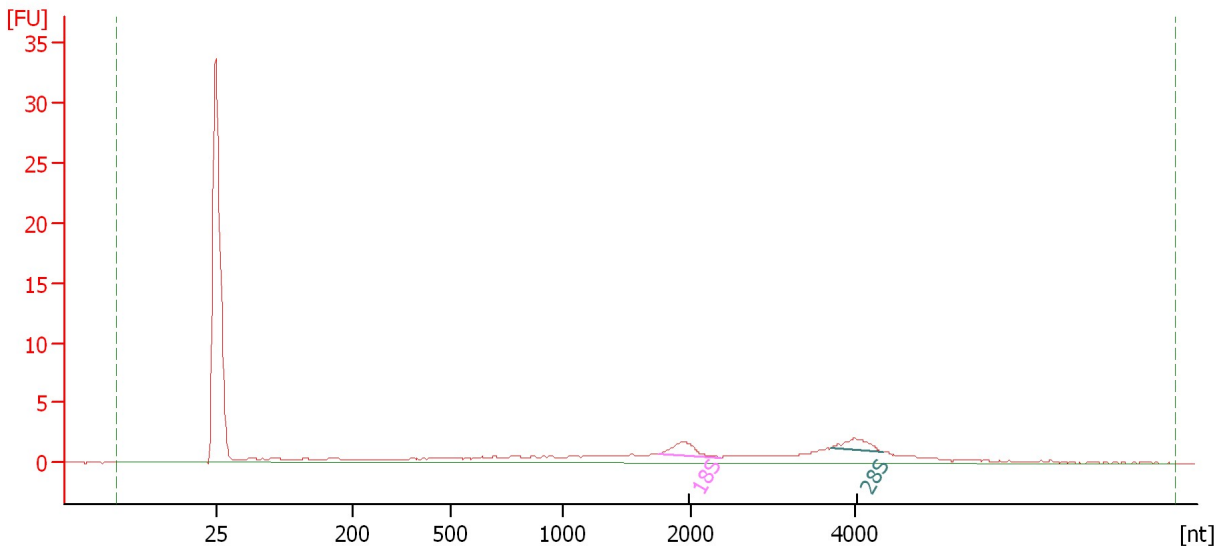
RNA Area:	0.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

8: 43-27-45 LCs 2 [QC 134]



Overall Results for sample 8 : 8: 43-27-45 LCs 2

RNA Area: 46.4 RNA Integrity Number (RIN): 5.6 (B.02.08)
RNA Concentration: 225 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 5.60

Fragment table for sample 8 : 8: 43-27-45 LCs 2

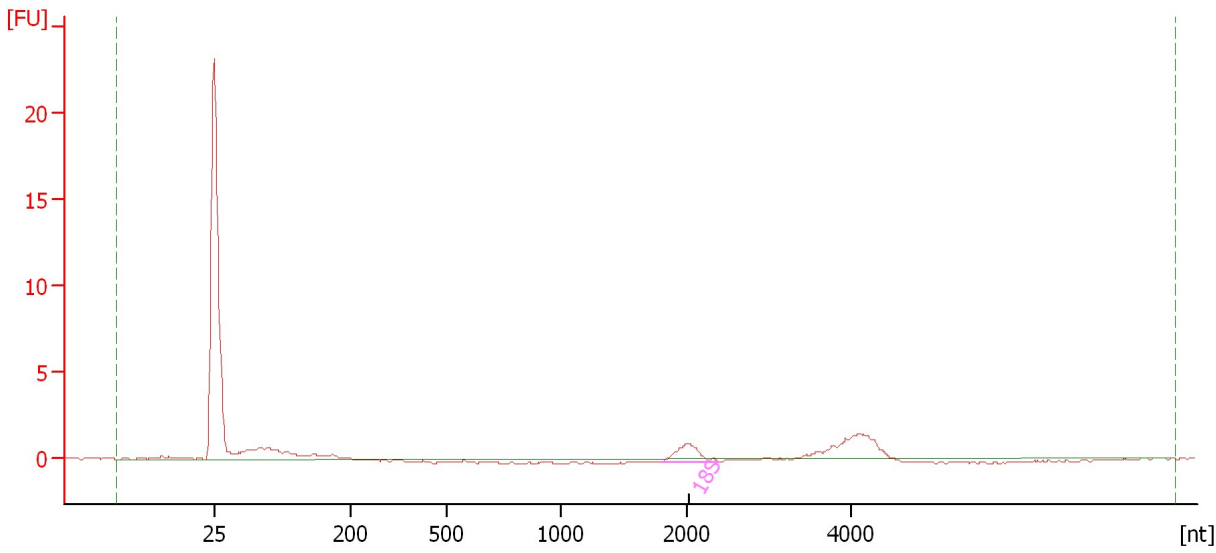
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,360	3.0	6.5
28S	3,699	4,323	2.3	5.0

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Electropherogram Summary Continued ...

9: 43-27-45 dDCs 2 [QC 134]



Overall Results for sample 9 : 9: 43-27-45 dDCs 2

RNA Area:	15.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	76 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 8.60

Fragment table for sample 9 : 9: 43-27-45 dDCs 2

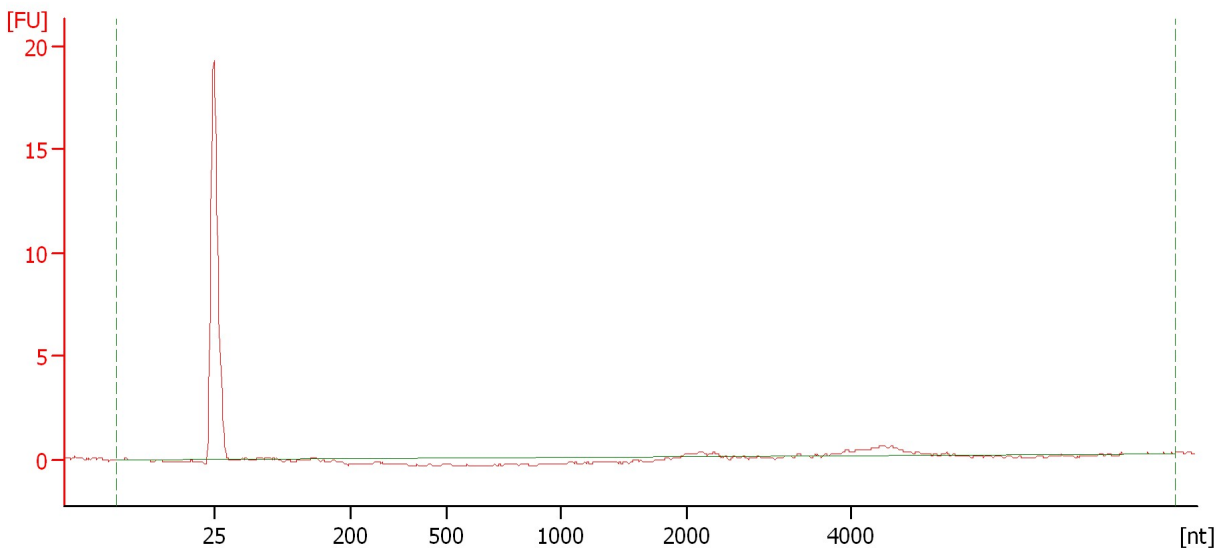
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,794	2,385	2.7	17.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

10: 43-65-25 LCs 2 [QC 134]



Overall Results for sample 10 : 10: 43-65-25 LCs 2

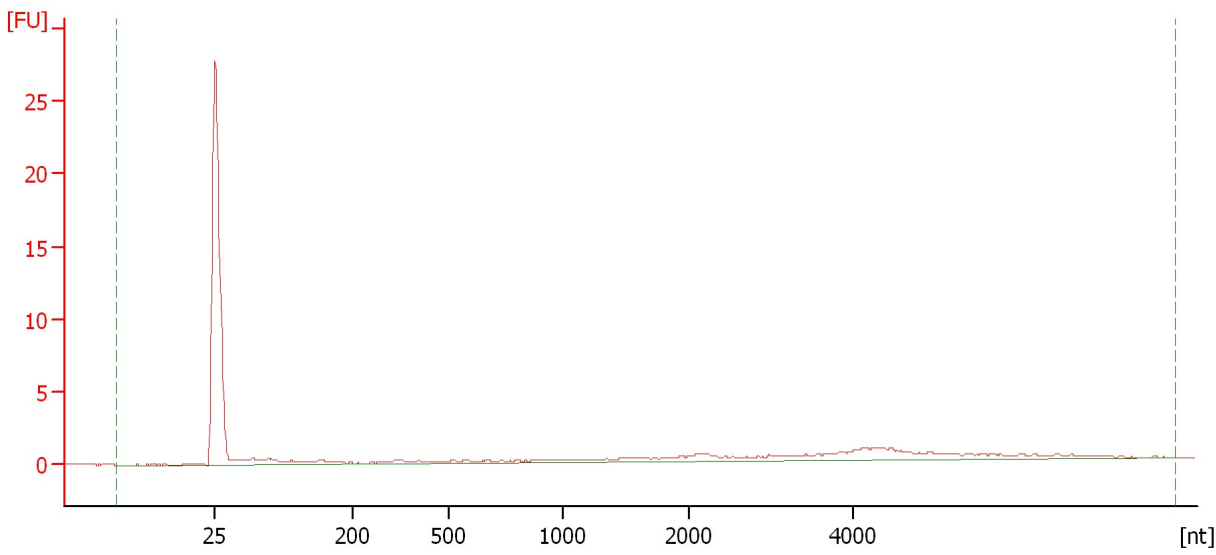
RNA Area:	2.8	RNA Integrity Number (RIN):	1.1 (B.02.08)
RNA Concentration:	14 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

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Electropherogram Summary Continued ...

11: 43-65-25 dDCs 2 [QC 134]



Overall Results for sample 11 : 11: 43-65-25 dDCs 2

RNA Area:	24.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	117 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

Created: 11/3/2016 2:16:03 PM
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Gel Image

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad

Created: 11/3/2016 2:16:03 PM
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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/3/2016 2:38:58 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_003.xad)		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/3/2016 2:16:08 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1