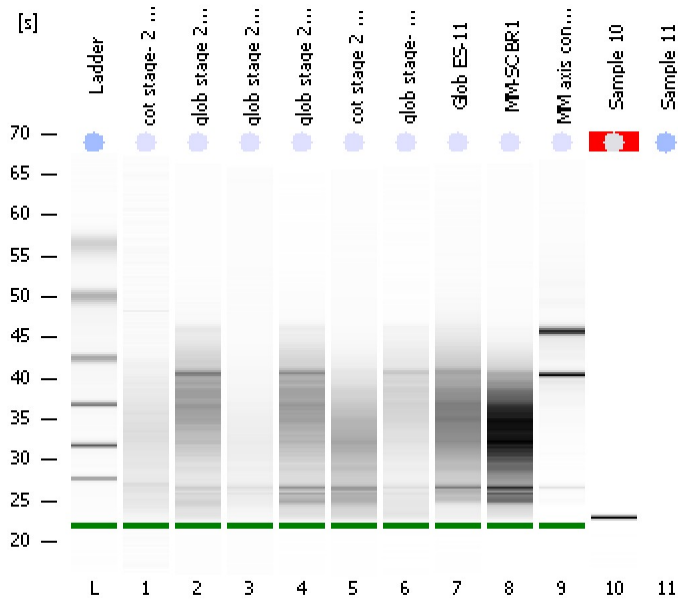


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electrophoresis File Run Summary

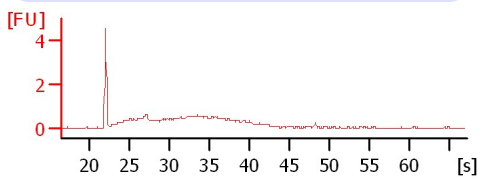


Instrument Information:
 Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

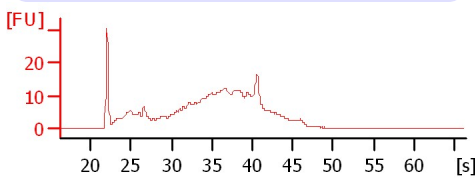
Assay Information:
 Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
 Assay Class: Eukaryote Total RNA Pico
 Version: 2.6
 Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
 © Copyright 2003 - 2009 Agilent Technologies,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

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

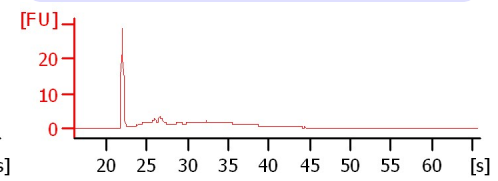
cot stage- 2 hr xylenes
RIN: 1.40



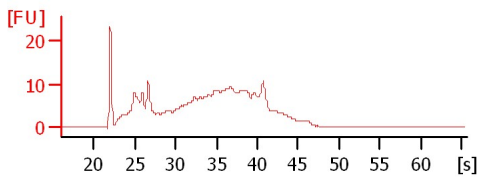
glob stage 2 hr xylenes
RIN: 3.70



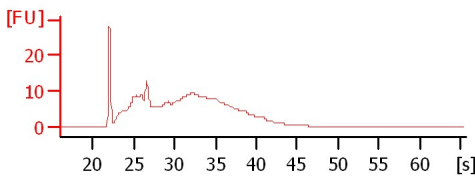
glob stage 2hr histoclear
RIN: 1.30



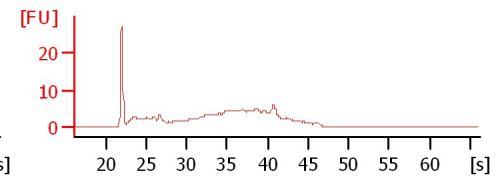
glob stage 2 hr xylenes-new paraffin
RIN: 3.30



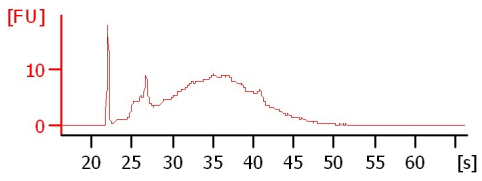
cot stage 2 hr xylenes- new paraffin
RIN: 2.40



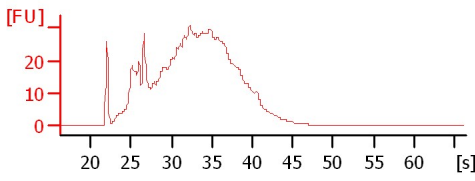
glob stage- 1 hr xylenes
RIN: 3.40



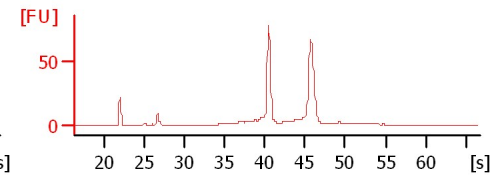
Glob ES-11
RIN: 2.70



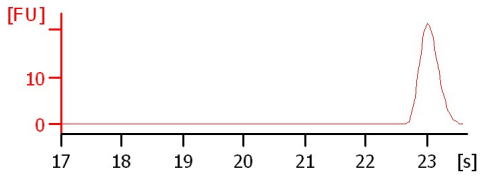
MM-SC BR1
RIN: 2



MM axis control
RIN: 9.30



Sample 10
RIN N/A



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
 Modified: 4/3/2013 3:28:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
cot stage- 2 hr xylenes		✓	RIN: 1.40	
glob stage 2 hr xylenes		✓	RIN: 3.70	
glob stage 2hr histoclear		✓	RIN: 1.30	
glob stage 2 hr xylenes-new paraffin		✓	RIN: 3.30	
cot stage 2 hr xylenes- new		✓	RIN: 2.40	
glob stage- 1 hr xylenes		✓	RIN: 3.40	
Glob ES-11		✓	RIN: 2.70	
MM-SC BR1		✓	RIN:2	
MM axis control		✓	RIN: 9.30	
Sample 10		✗	RIN N/A	
Sample 11		✗		
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 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

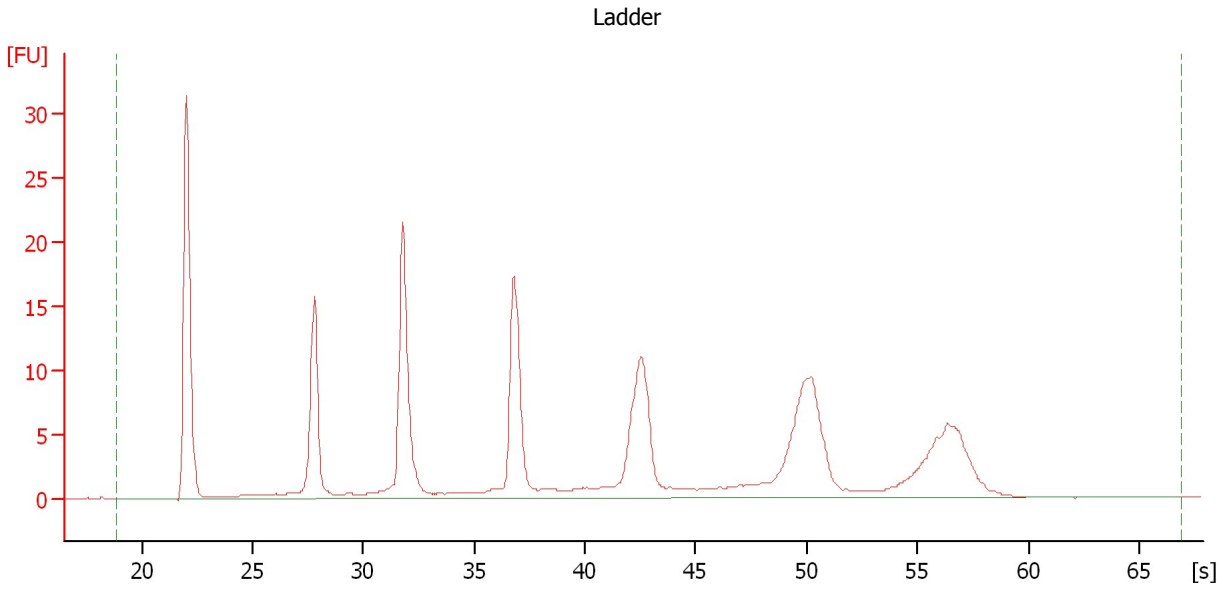
Ladder

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\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary



Overall Results for Ladder

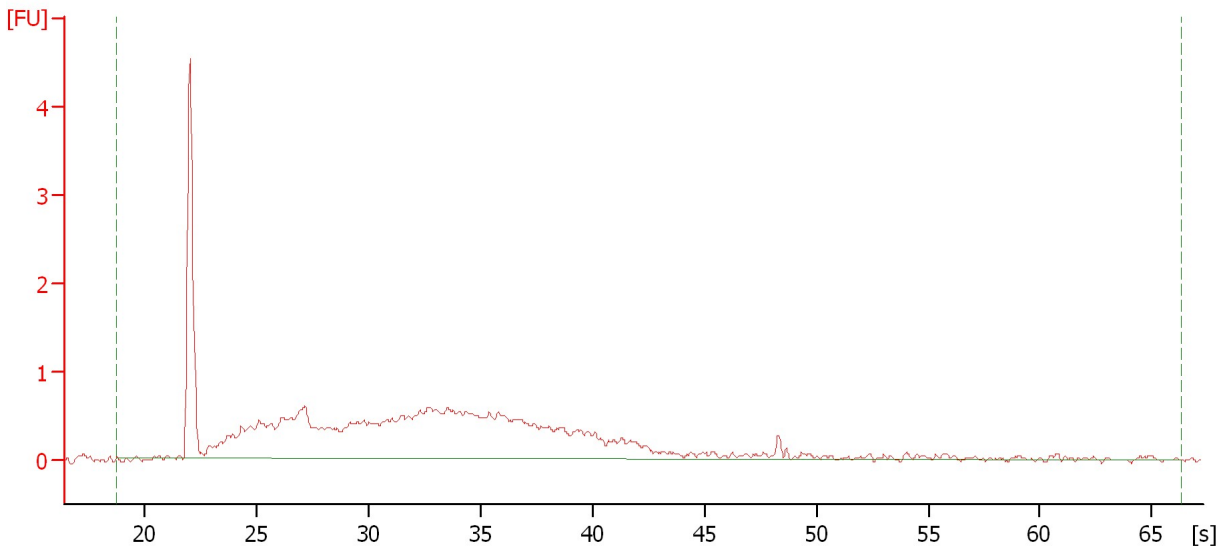
RNA Area:	186.0	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

cot stage- 2 hr xylenes



Overall Results for sample 1 : cot stage- 2 hr xylenes

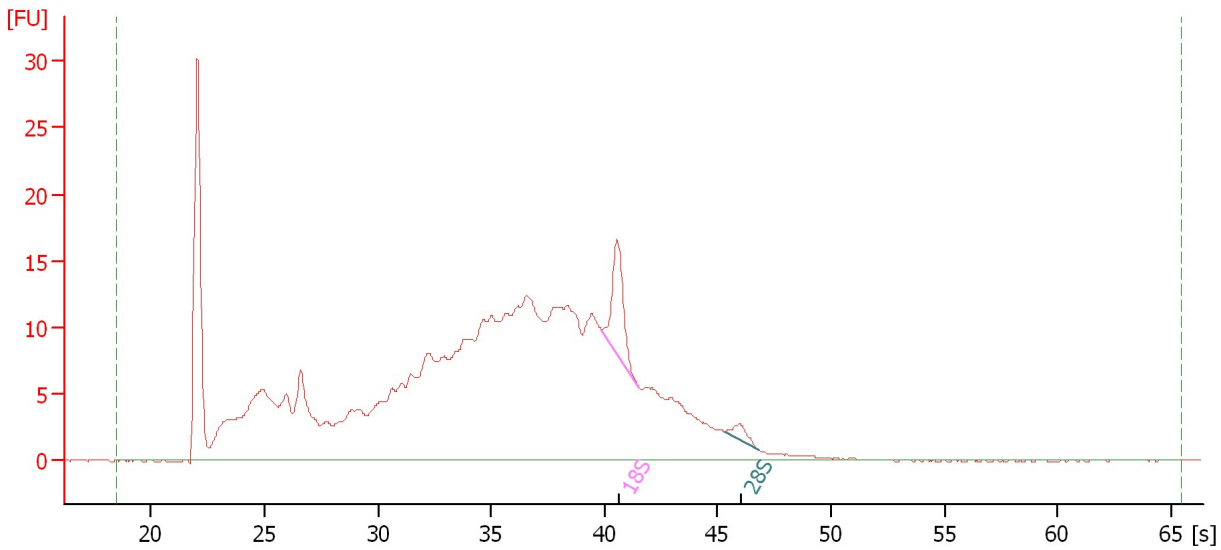
RNA Area:	24.9	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	134 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
 Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

glob stage 2 hr xylenes



Overall Results for sample 2 : glob stage 2 hr xylenes

RNA Area:	446.8	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	2,402 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 3.70

Fragment table for sample 2 : glob stage 2 hr xylenes

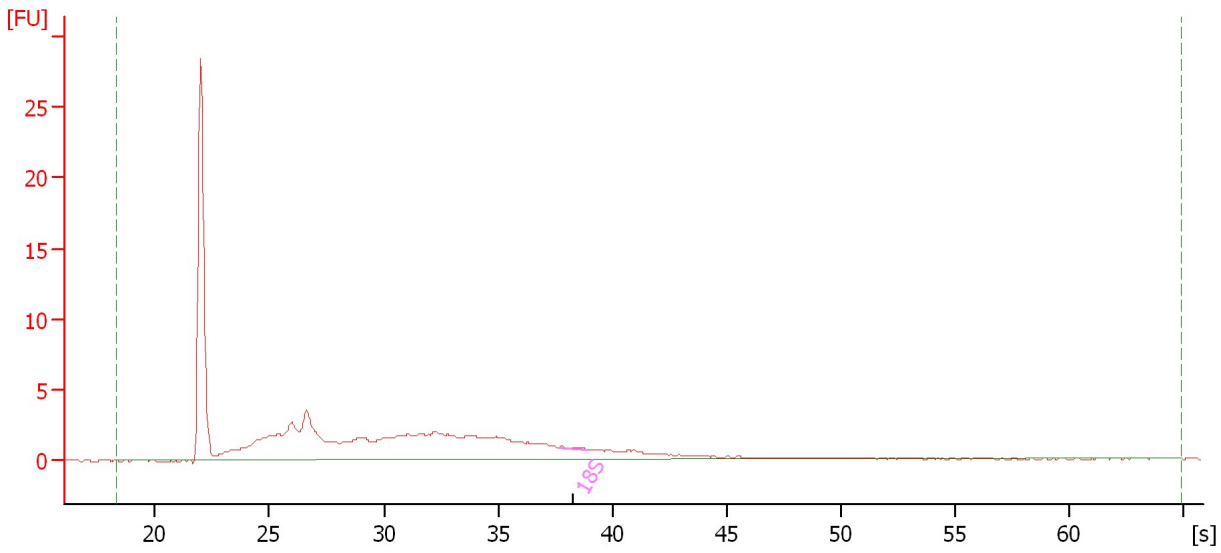
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.87	41.53	11.6	2.6
28S	45.28	46.84	1.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

glob stage 2hr histoclear



Overall Results for sample 3 : glob stage 2hr histoclear

RNA Area:	86.5	RNA Integrity Number (RIN):	1.3 (B.02.08)
RNA Concentration:	465 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.30

Fragment table for sample 3 : glob stage 2hr histoclear

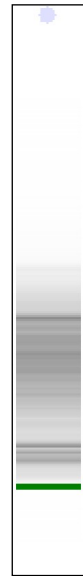
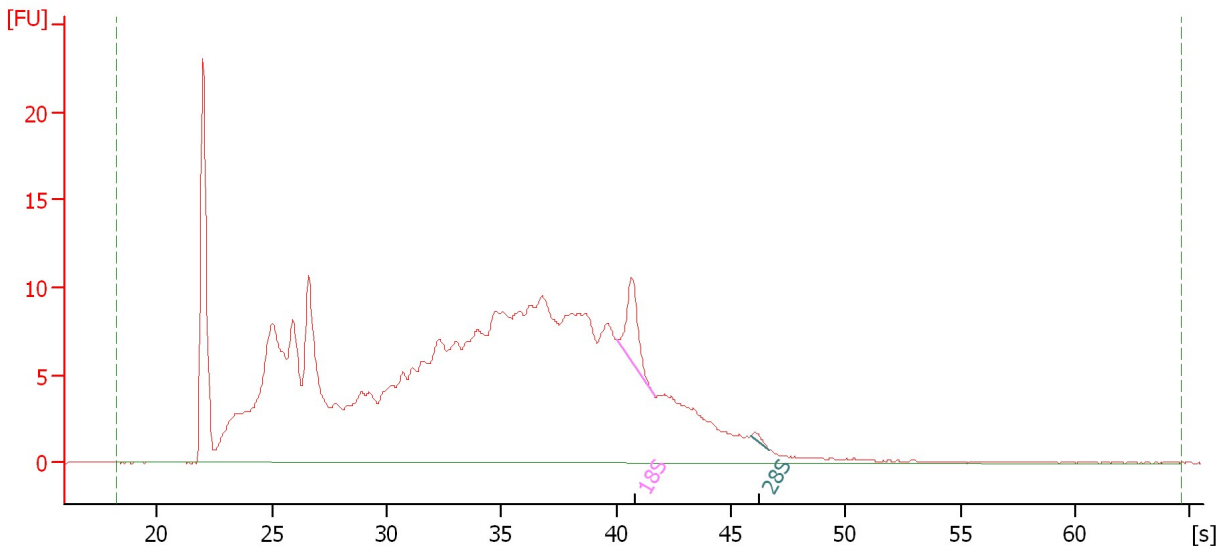
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	37.65	38.92	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

glob stage 2 hr xylenes-new paraffin



Overall Results for sample 4 : glob stage 2 hr xylenes-new paraffin

RNA Area: 392.1 RNA Integrity Number (RIN): 3.3 (B.02.08)
RNA Concentration: 2,108 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 3.30

Fragment table for sample 4 : glob stage 2 hr xylenes-new paraffin

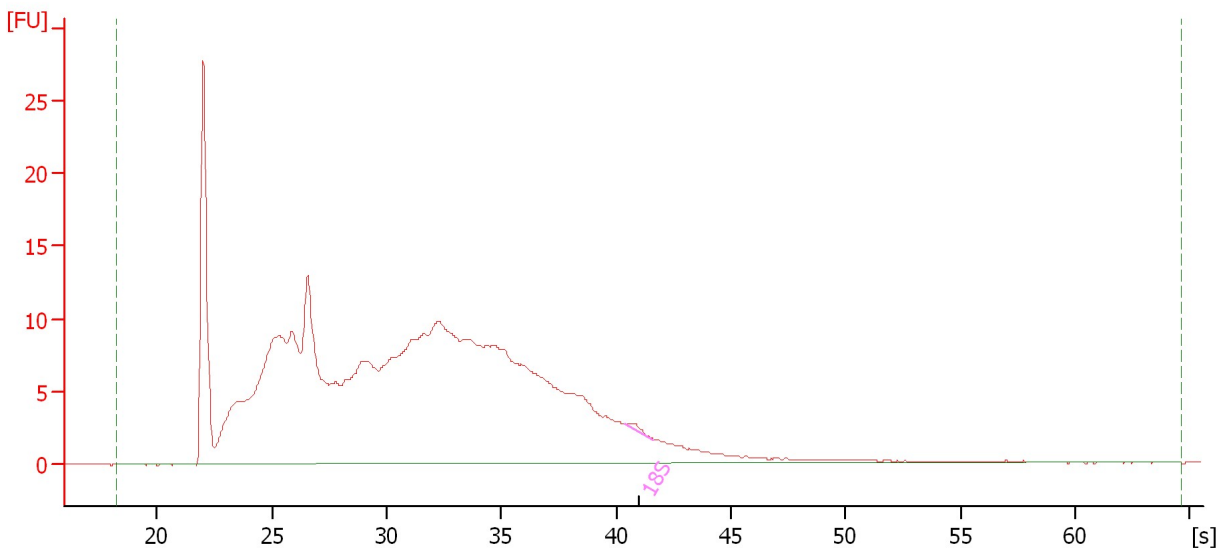
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.02	41.66	6.7	1.7
28S	45.87	46.67	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

cot stage 2 hr xylenes- new paraffin



Overall Results for sample 5 : cot stage 2 hr xylenes- new paraffin

RNA Area:	403.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	2,172 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Fragment table for sample 5 : cot stage 2 hr xylenes- new paraffin

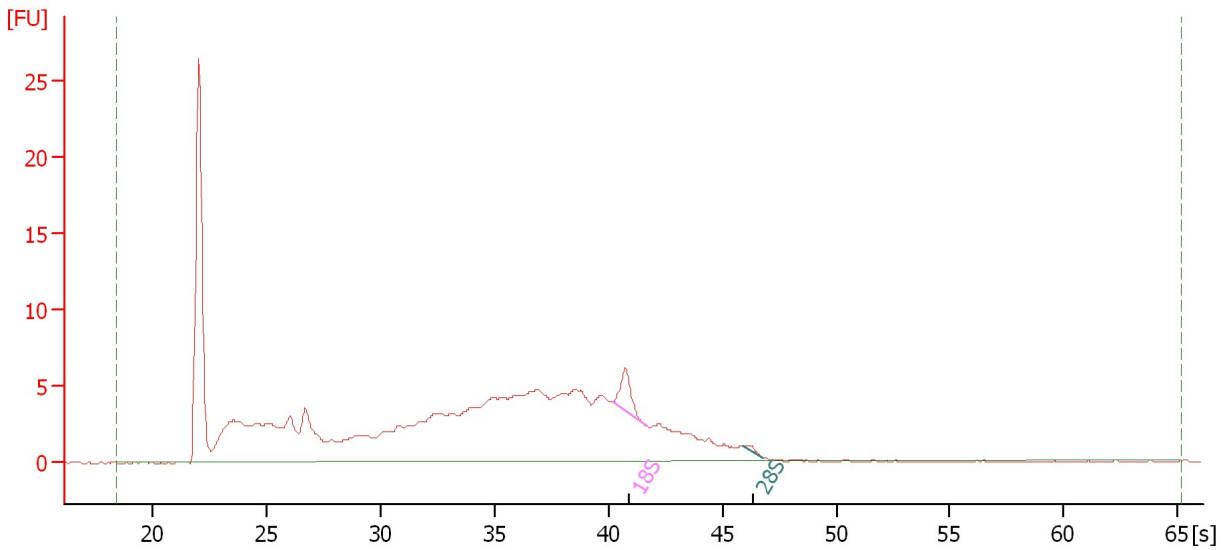
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.35	41.61	0.6	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

glob stage- 1 hr xylenes



Overall Results for sample 6 : glob stage- 1 hr xylenes

RNA Area: 197.8 RNA Integrity Number (RIN): 3.4 (B.02.08)
RNA Concentration: 1,063 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 3.40

Fragment table for sample 6 : glob stage- 1 hr xylenes

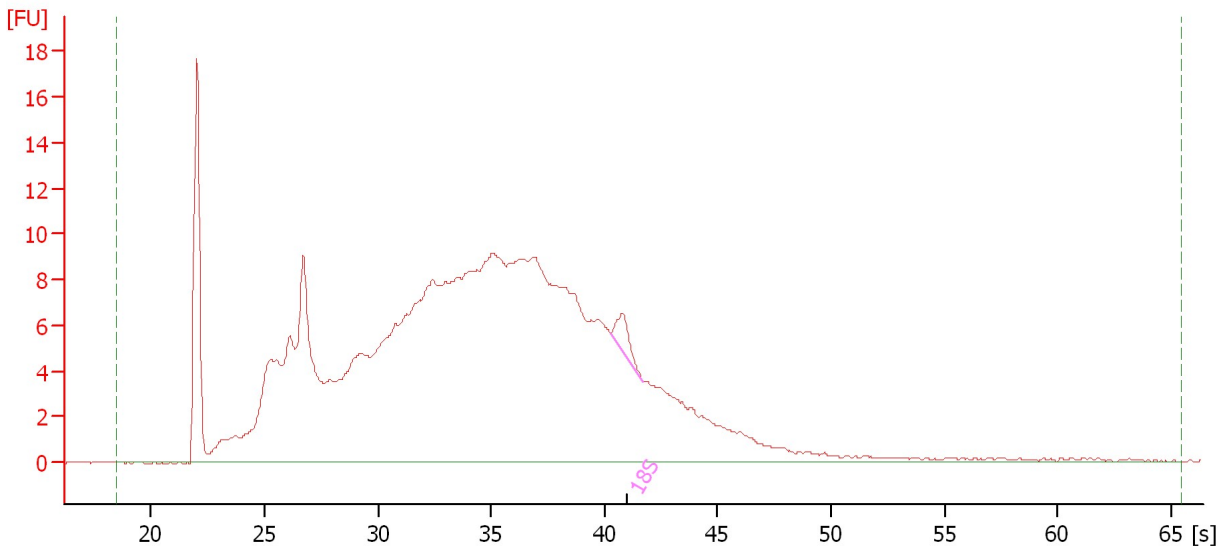
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.22	41.69	3.6	1.8
28S	45.94	46.79	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...

Glob ES-11



Overall Results for sample 7 : Glob ES-11

RNA Area:	368.5	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	1,981 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

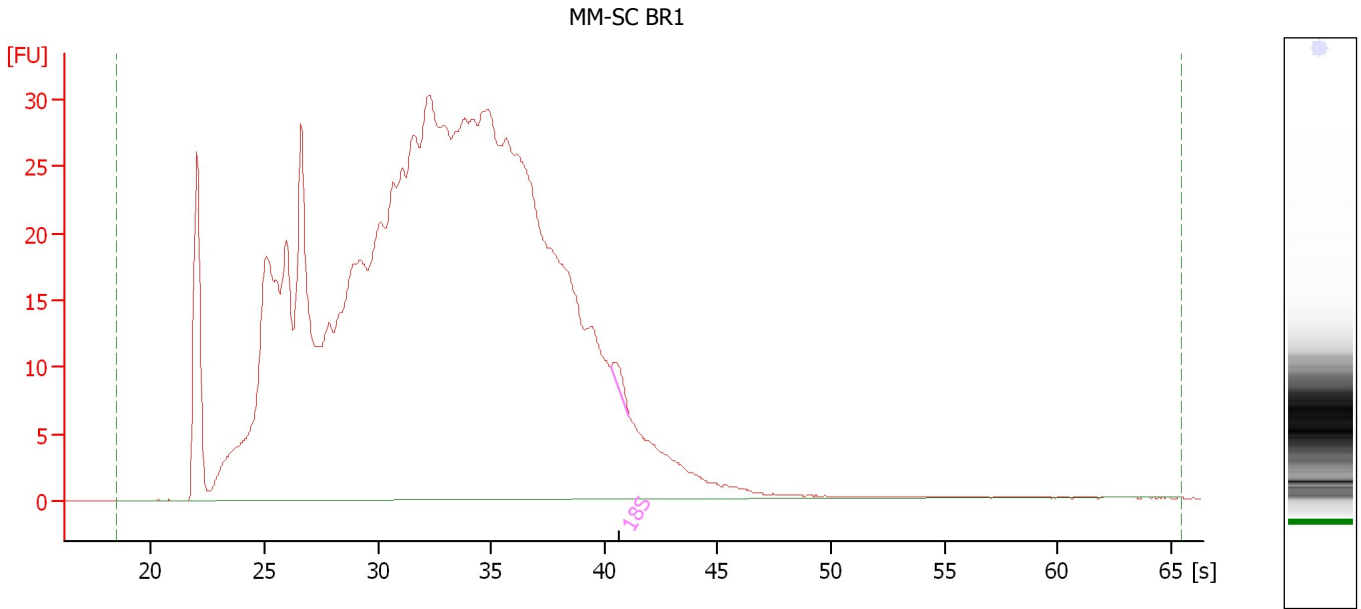
Fragment table for sample 7 : Glob ES-11

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.25	41.68	2.6	0.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : MM-SC BR1

RNA Area:	1,080.1	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	5,807 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

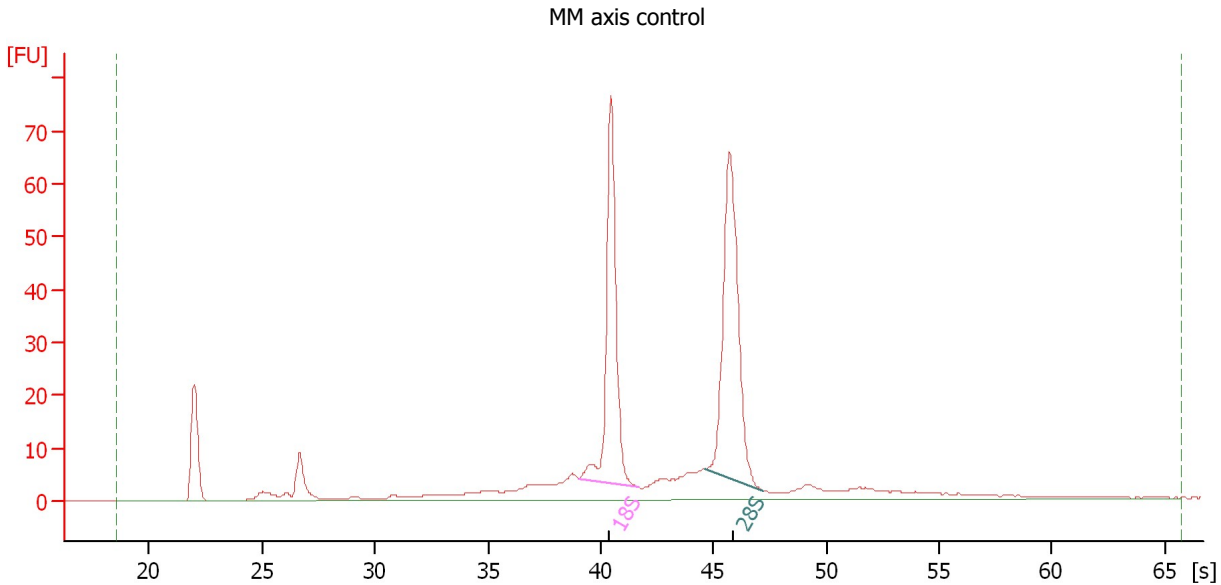
Fragment table for sample 8 : MM-SC BR1

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.25	41.11	2.0	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
 Modified: 4/3/2013 3:28:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : MM axis control

RNA Area:	358.6	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	1,928 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.30

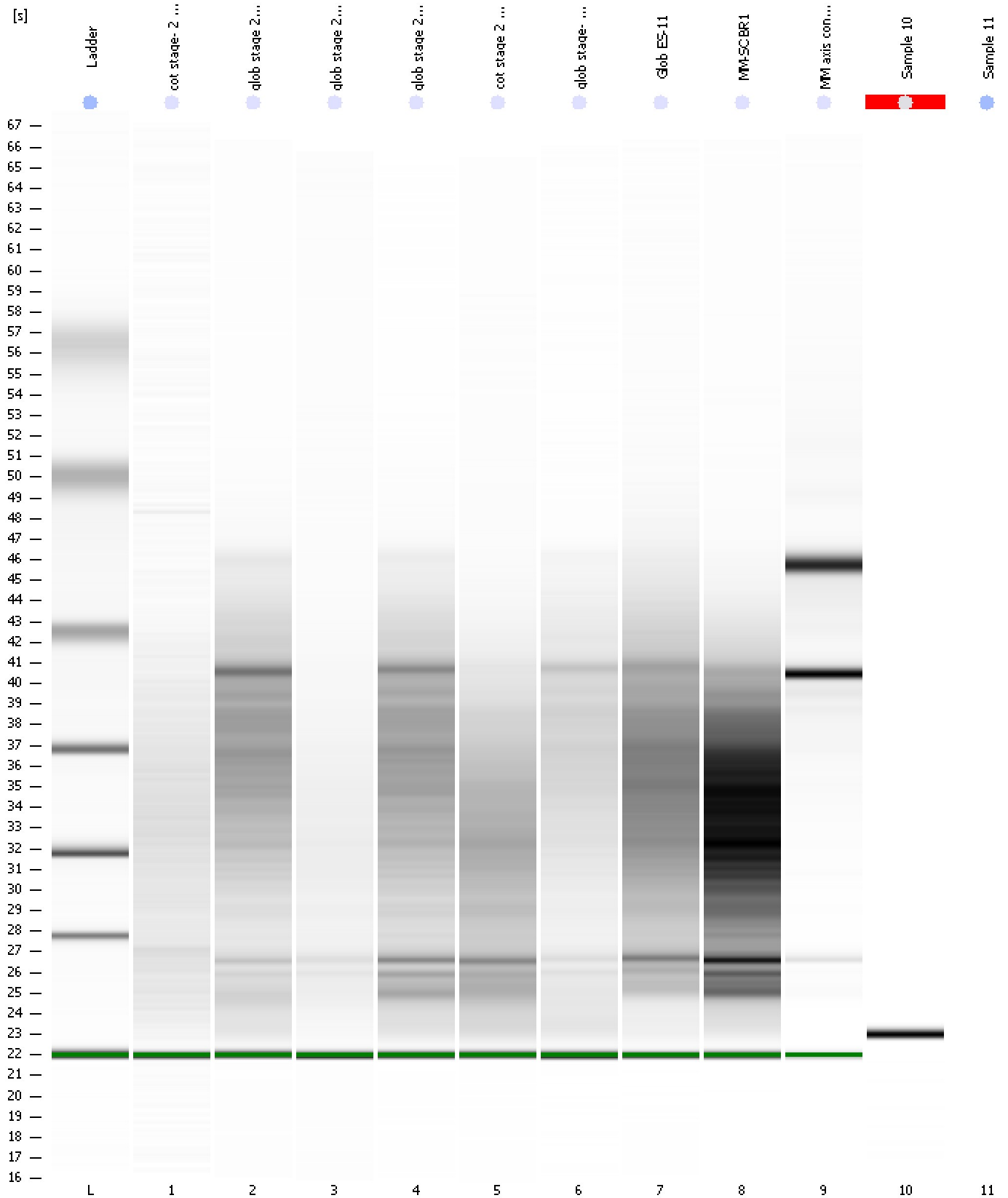
Fragment table for sample 9 : MM axis control

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.05	41.71	90.8	25.3
28S	44.62	47.24	103.8	29.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Gel Image

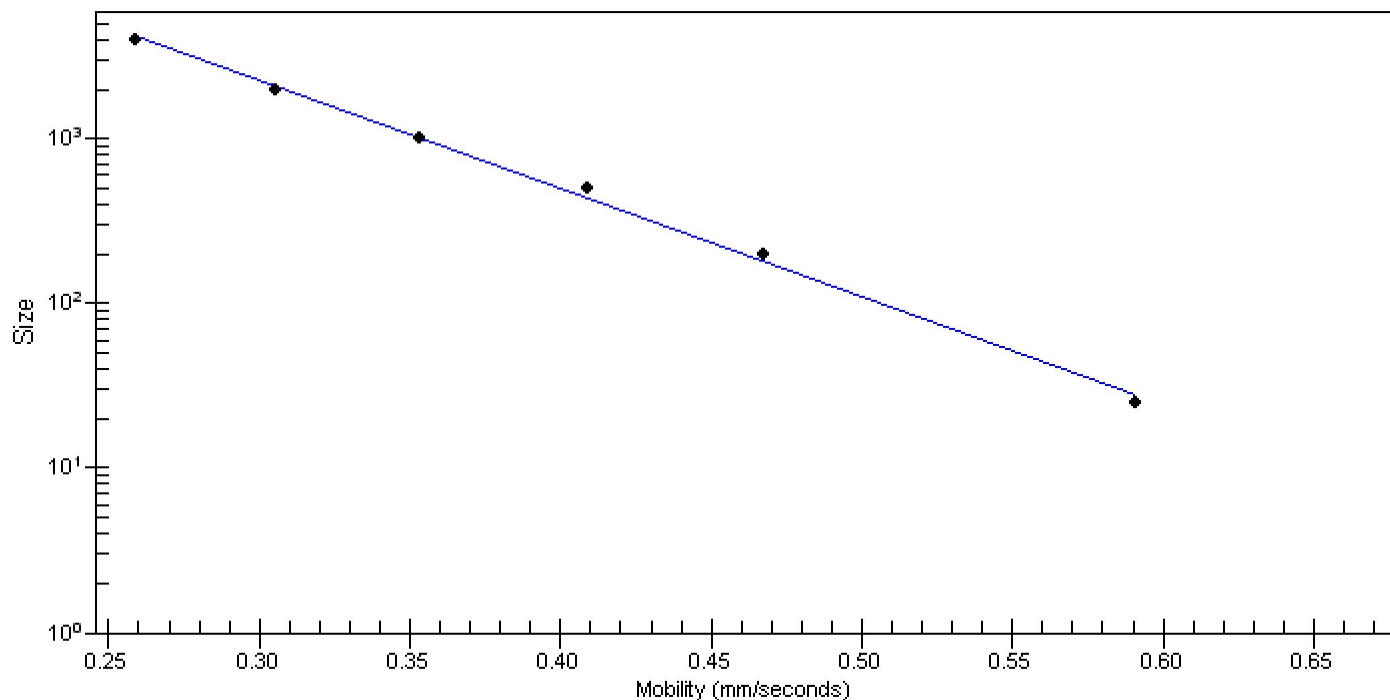


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
Modified: 4/3/2013 3:28:49 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad

Created: 4/3/2013 3:08:09 PM
 Modified: 4/3/2013 3:28:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run aborted on port 1		Instrument	Run		4/3/2013 3:28:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-03\2013-04-03_004.xad)		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/3/2013 3:08:10 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1