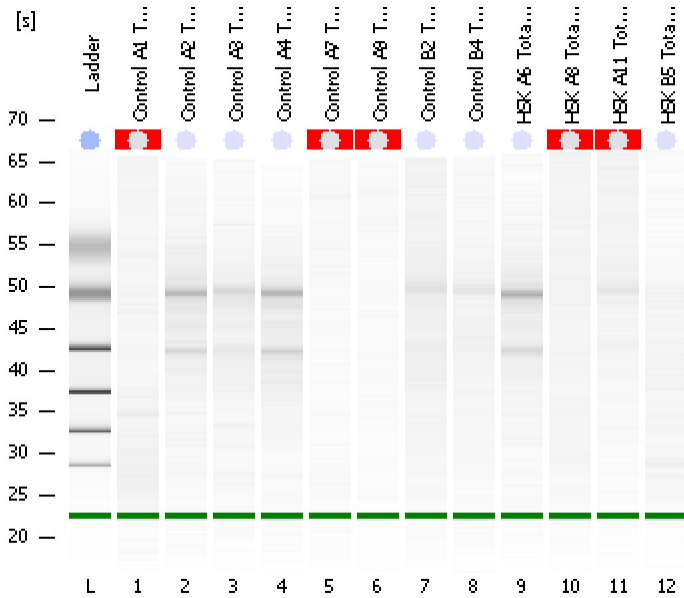


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

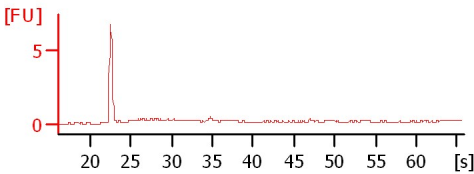
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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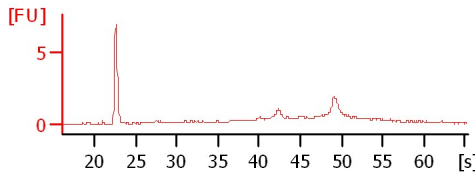
Chip Information:

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

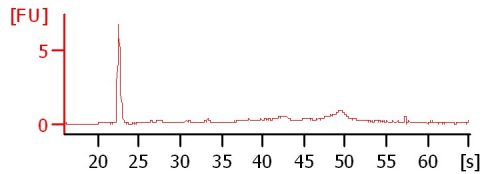
Control A1 Total RNA
RIN N/A



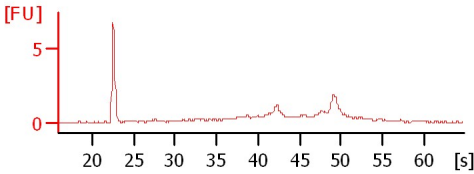
Control A2 Total RNA
RIN: 1.40



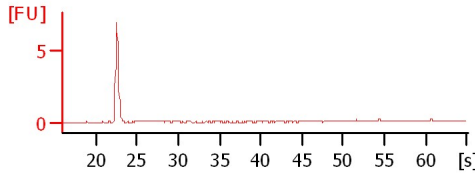
Control A3 Total RNA
RIN: 1



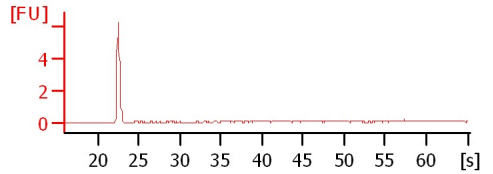
Control A4 Total RNA
RIN: 5.20



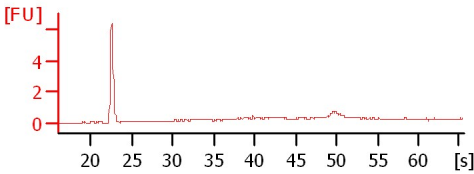
Control A7 Total RNA
RIN N/A



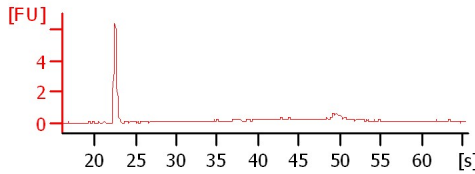
Control A9 Total RNA
RIN N/A



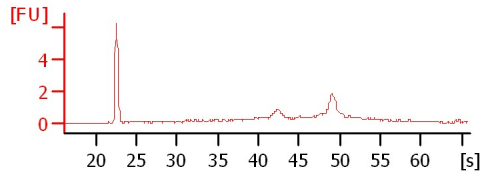
Control B2 Total RNA
RIN: 1



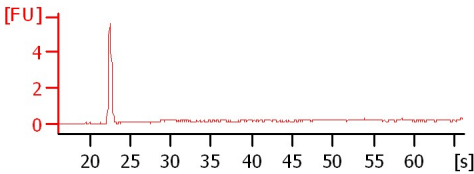
Control B4 Total RNA
RIN: 1



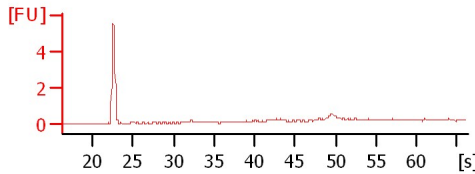
HSK A6 Total RNA
RIN: 1.40



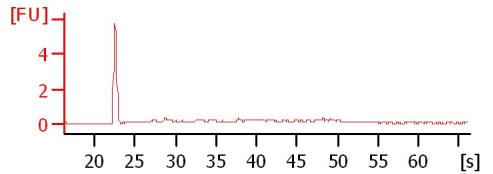
HSK A8 Total RNA
RIN N/A



HSK A11 Total RNA
RIN N/A



HSK B5 Total RNA
RIN: 1



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Control A1 Total RNA		✓	RIN N/A	
Control A2 Total RNA		✓	RIN: 1.40	
Control A3 Total RNA		✓	RIN:1	
Control A4 Total RNA		✓	RIN: 5.20	
Control A7 Total RNA		✓	RIN N/A	
Control A9 Total RNA		✓	RIN N/A	
Control B2 Total RNA		✓	RIN:1	
Control B4 Total RNA		✓	RIN:1	
HSK A6 Total RNA		✓	RIN: 1.40	
HSK A8 Total RNA		✓	RIN N/A	
HSK A11 Total RNA		✓	RIN N/A	
HSK B5 Total RNA		✓	RIN:1	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 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

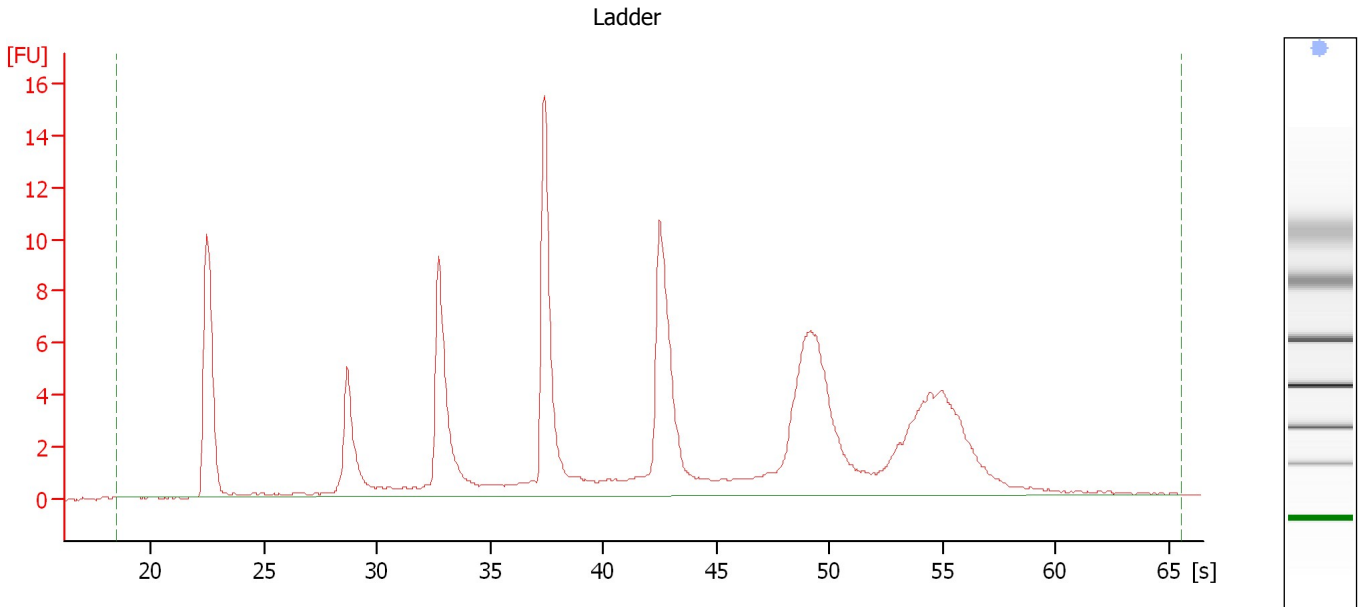
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary



Overall Results for Ladder

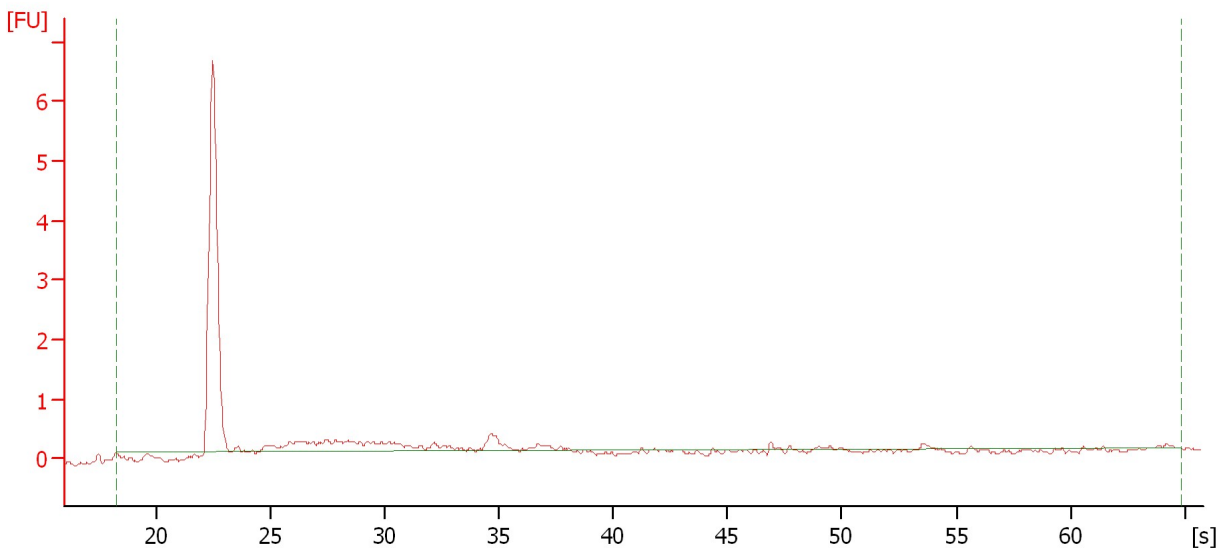
RNA Area:	135.3	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control A1 Total RNA



Overall Results for sample 1 : Control A1 Total RNA

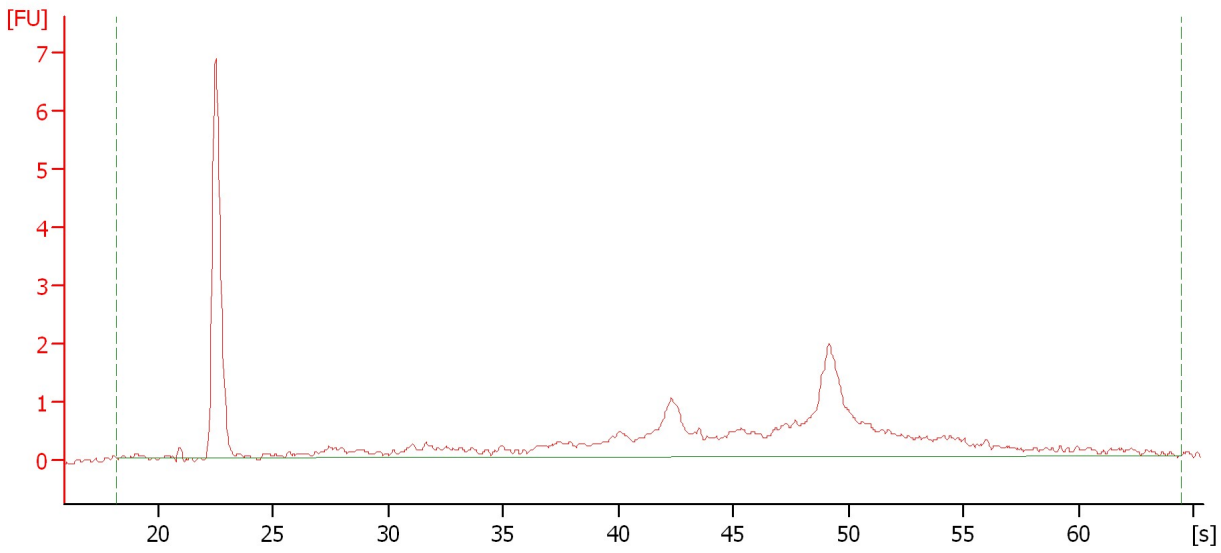
RNA Area:	5.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control A2 Total RNA



Overall Results for sample 2 : Control A2 Total RNA

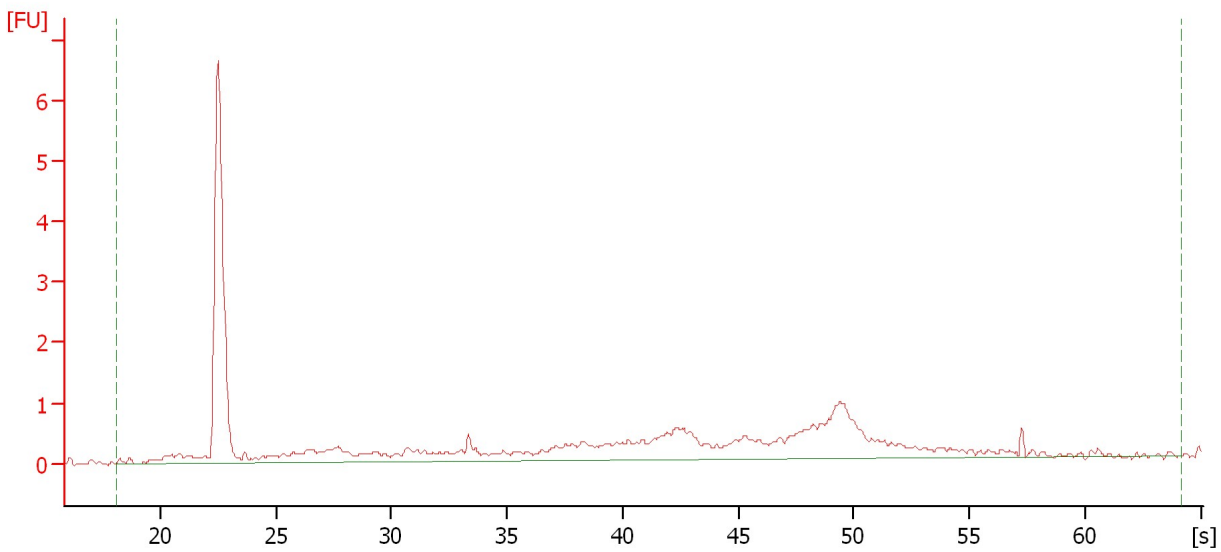
RNA Area:	24.4	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	27 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control A3 Total RNA



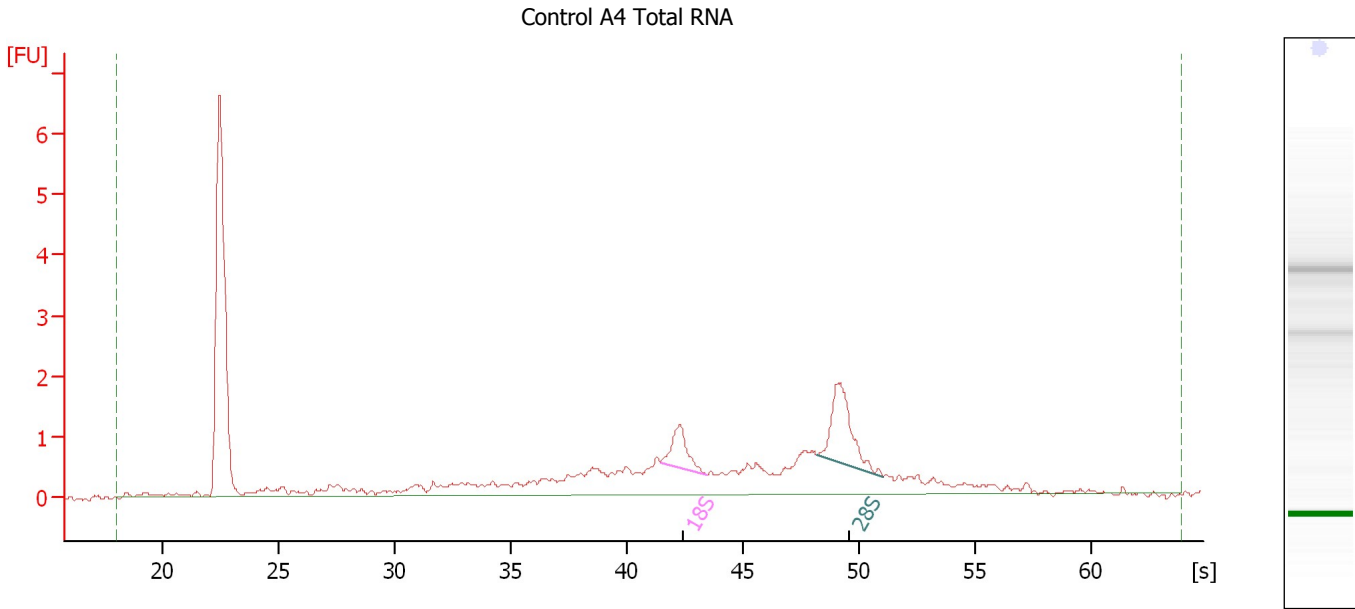
Overall Results for sample 3 : Control A3 Total RNA

RNA Area:	21.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	24 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Control A4 Total RNA

RNA Area: 27.5 RNA Integrity Number (RIN): 5.2 (B.02.08)
RNA Concentration: 30 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 5.20

Fragment table for sample 4 : Control A4 Total RNA

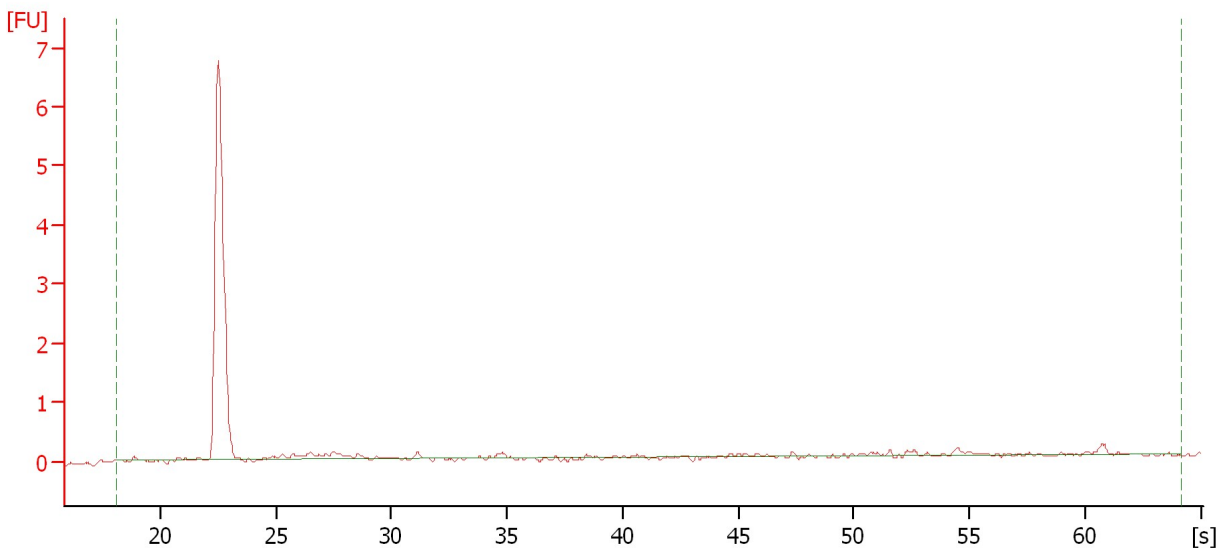
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	41.48	43.43	1.2	4.5
28S	48.24	51.06	2.6	9.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control A7 Total RNA



Overall Results for sample 5 : Control A7 Total RNA

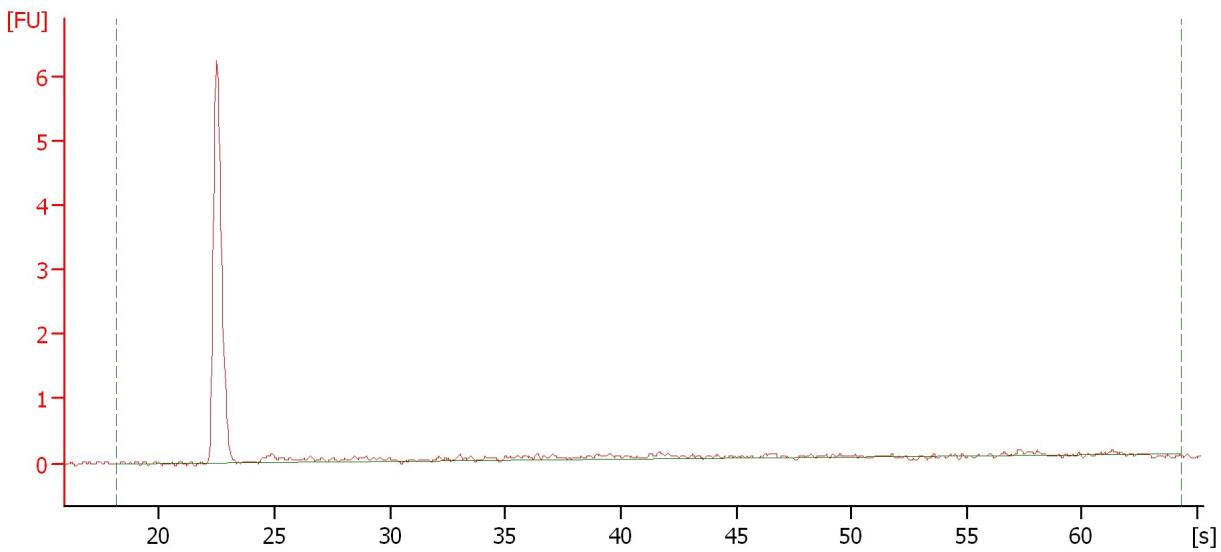
RNA Area:	2.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control A9 Total RNA



Overall Results for sample 6 : Control A9 Total RNA

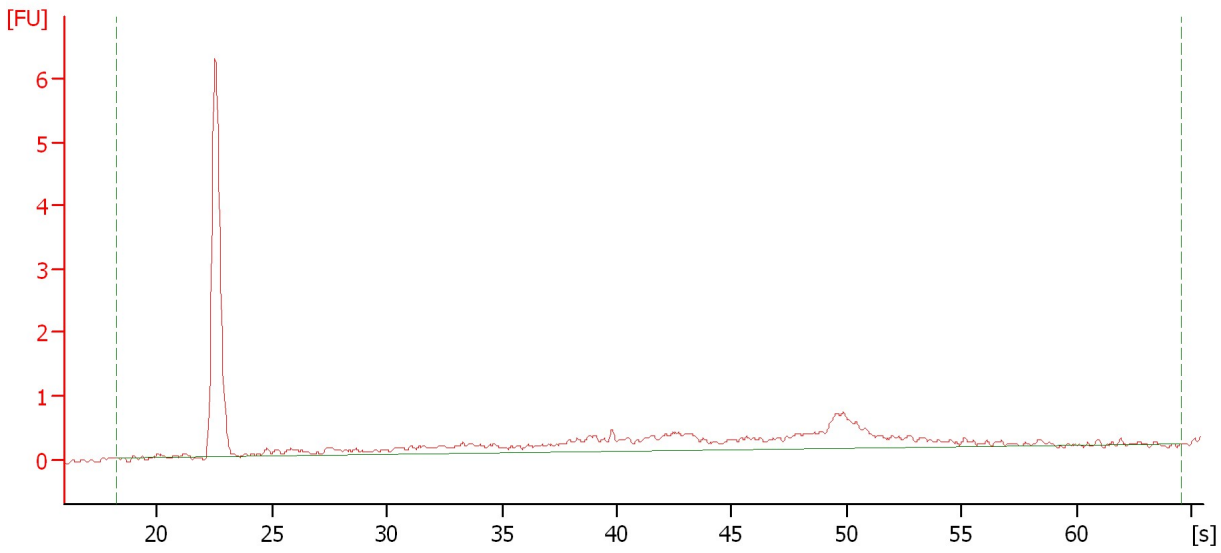
RNA Area:	2.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control B2 Total RNA



Overall Results for sample 7 : Control B2 Total RNA

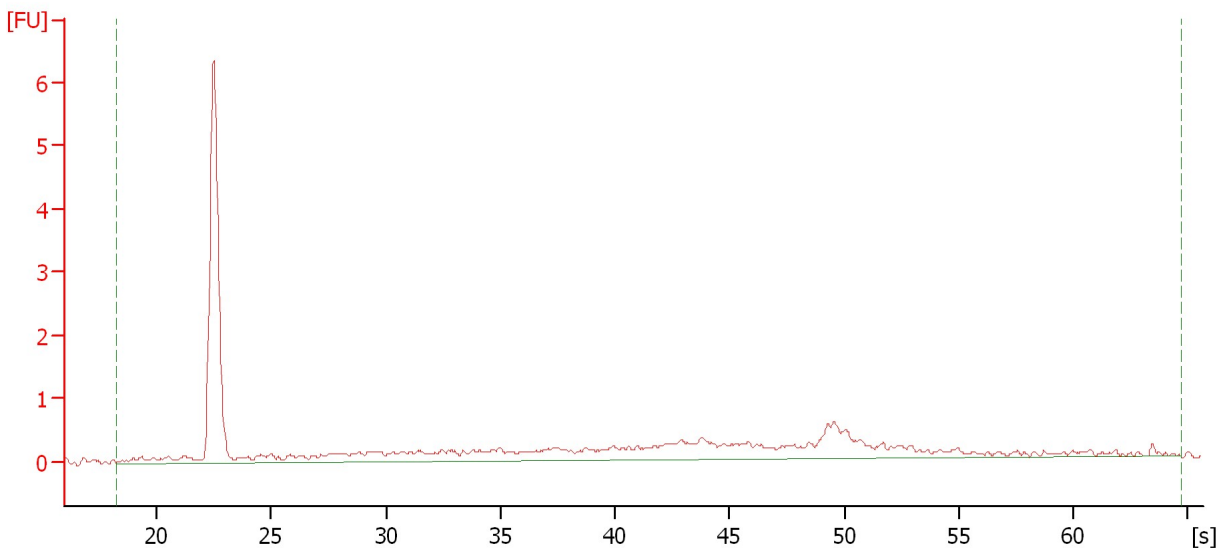
RNA Area:	12.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	13 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

Control B4 Total RNA



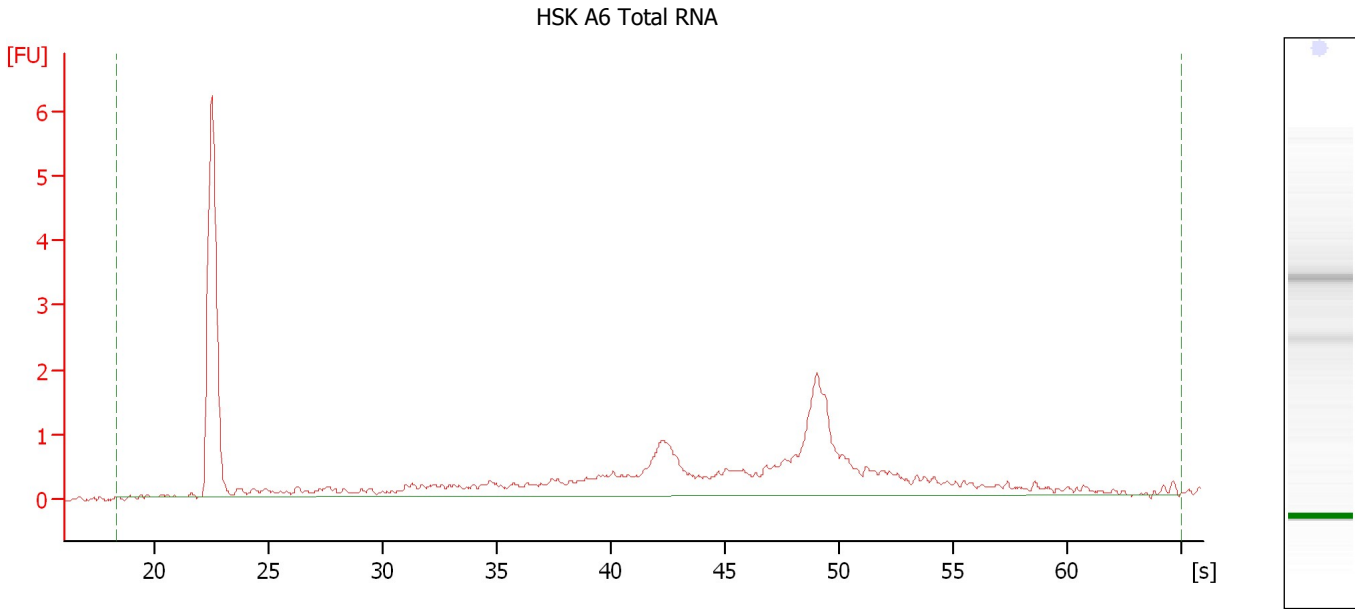
Overall Results for sample 8 : Control B4 Total RNA

RNA Area:	15.2	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	17 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : HSK A6 Total RNA

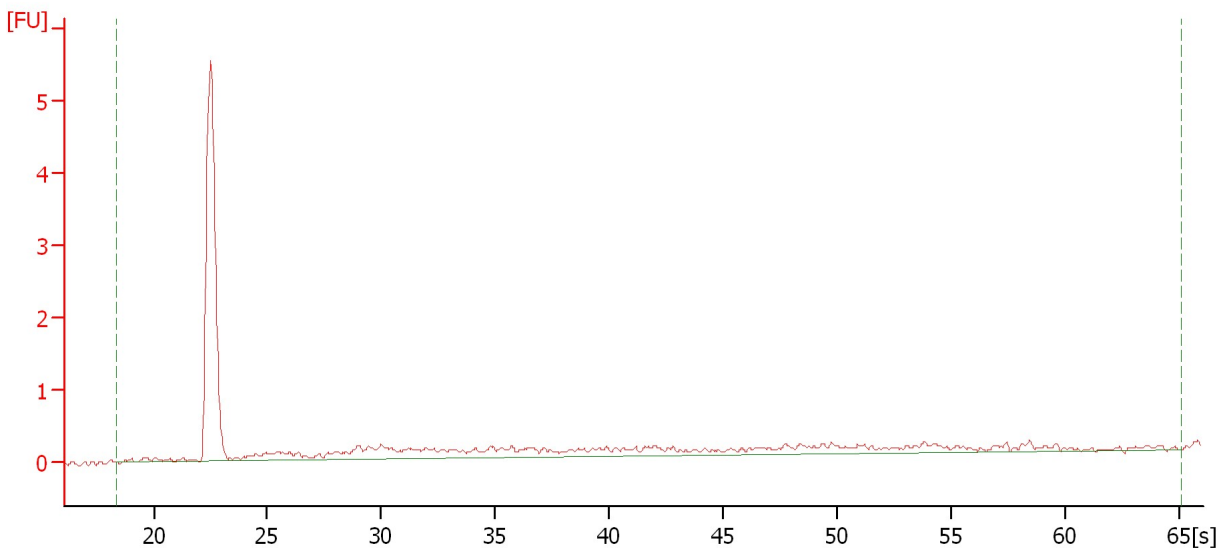
RNA Area:	23.9	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	26 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...

HSK A8 Total RNA



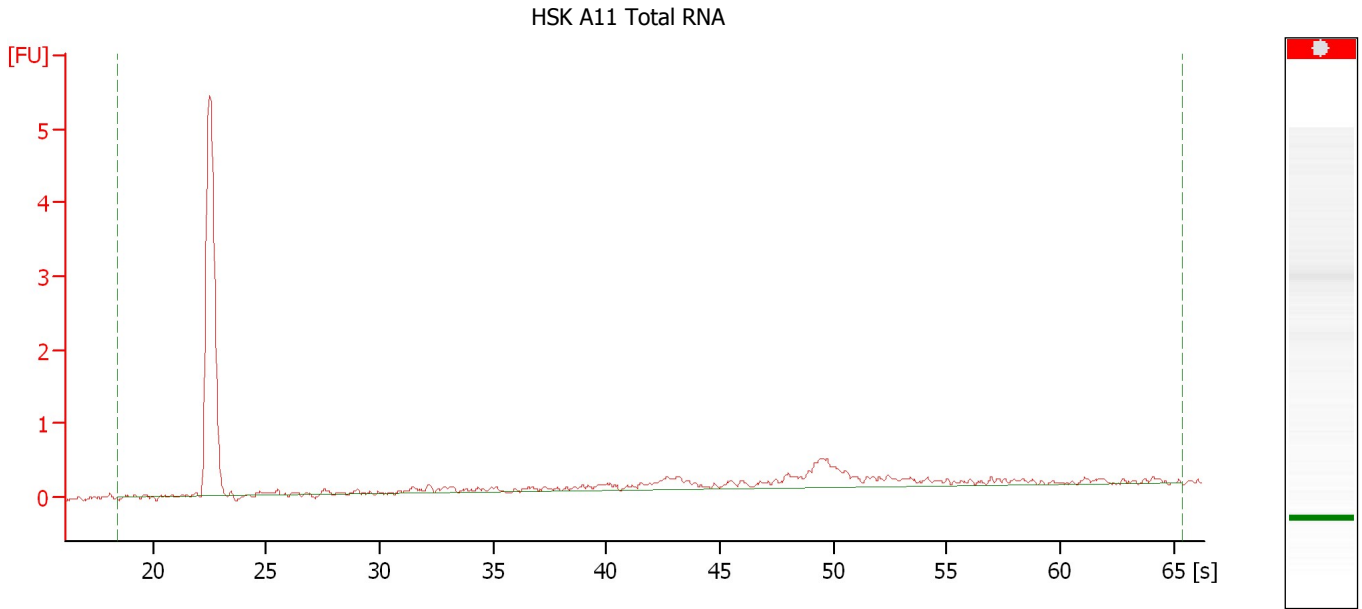
Overall Results for sample 10 : HSK A8 Total RNA

RNA Area:	8.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	9 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...



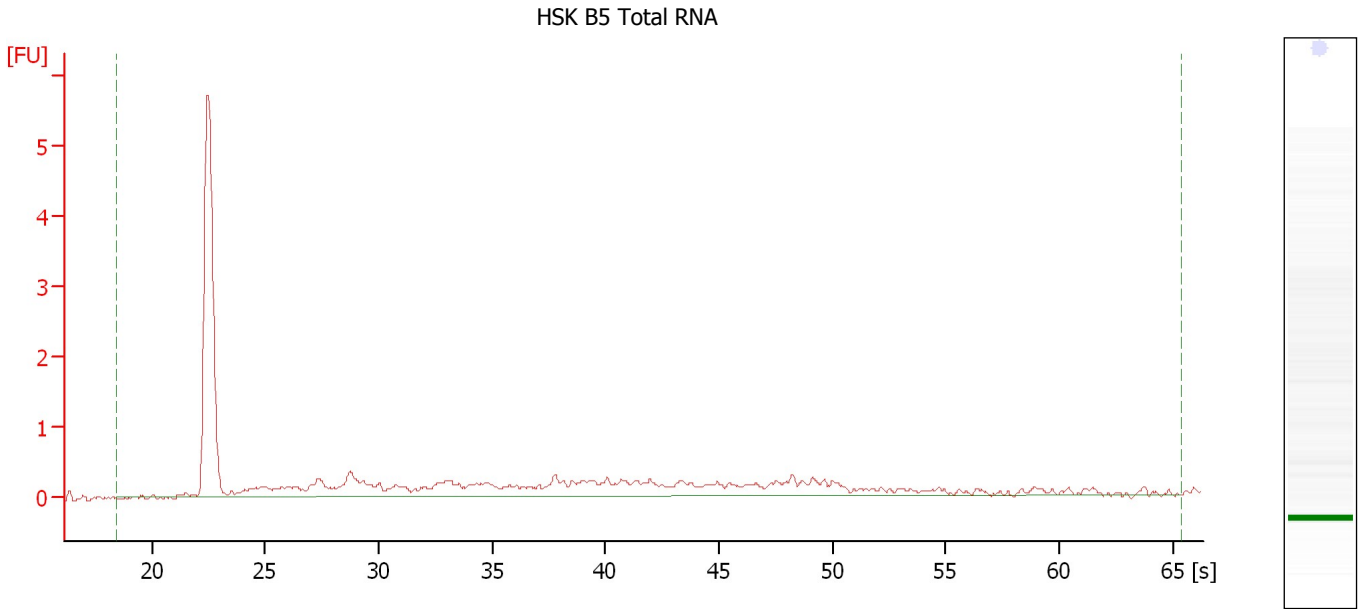
Overall Results for sample 11 : HSK A11 Total RNA

RNA Area:	6.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Electropherogram Summary Continued ...



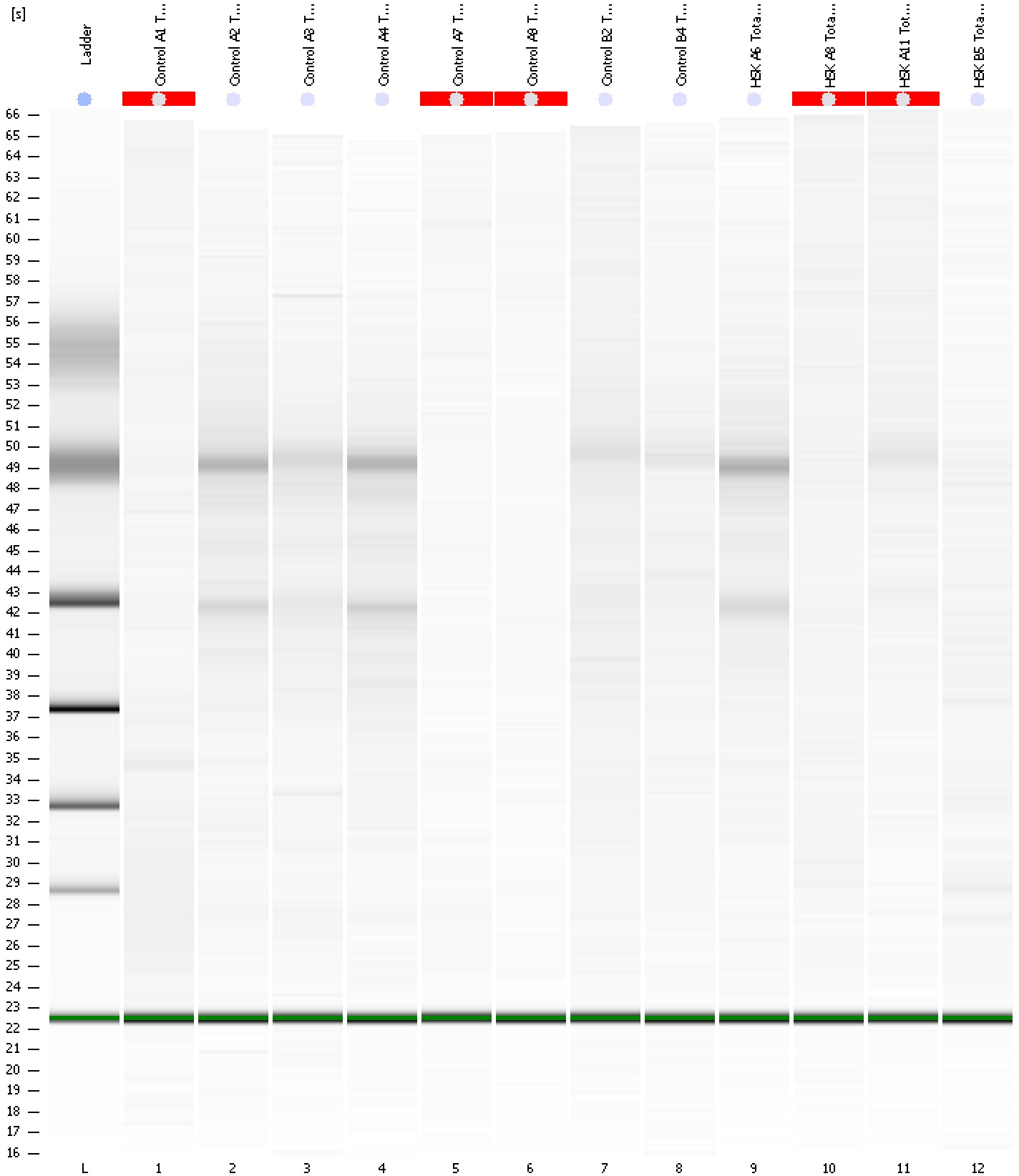
Overall Results for sample 12 : HSK B5 Total RNA

RNA Area:	13.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	15 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
Modified: 4/25/2013 2:58:49 PM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad

Created: 4/25/2013 2:15:56 PM
 Modified: 4/25/2013 2:58:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		4/25/2013 2:39:43 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-25\2013-04-25_005.xad)		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/25/2013 2:16:01 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1