

Data File : Z:\HPCHEM1\HPLC_N\DATA\HN110813\HN005686.D Vial: 16
 Acq On : 08-Nov-2013, 23:57 Operator: QM
 Sample : E4140-02 Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile : autoint1.e
 Quant Time: Nov 11 12:16 2013 Quant Results File: HN110813.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PT-EXP-WP

Manual Integrations
 APPROVED

QI
 11/11/2013 6:41:49 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHOD\HN110813.M
 Title :
 Last Update : Mon Jul 22 14:51:19 2013
 Response via : Initial Calibration
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	1.30	1237048	335.123 ug/L
Target Compounds			
2) T HMX	0.87	991002	246.831 ug/L
3) T RDX	1.66	5203043	951.197 ug/L
4) T 1,3,5-Trinitrobenzene	2.63	11248532	1081.886 ug/L
5) T 3,5-Dinitroaniline	3.46	14233896	882.580 ng/ml
7) T Nitrobenzene	4.63	8373349	821.573 ug/L
8) T Tetryl	6.06	12704	1.850 ug/L
9) T 2,4,6-Trinitrotoluene	6.38	4142158	364.671 ug/L
10) T 2-Amino-4,6-dinitrotoluene	6.80	9760109	894.449 ug/L
11) T 4-Amino-2,6-dinitrotoluene	7.13	7140690	1217.674 ug/L
12) T 2,4-Dinitrotoluene	7.94	6179973	418.477 ug/L m
13) T 2,6-Dinitrotoluene	8.31	7453265	945.496 ug/L m
14) T 2-Nitrotoluene	11.41	2601351	406.597 ug/L
15) T 4-Nitrotoluene	12.15	1840557	341.353 ug/L
16) T 3-Nitrotoluene	13.38	5176083	754.707 ug/L

 Analyst Signature:_____ Analyst Name:_____ Date:_____

-----REASONS FOR MANUAL INTEGRATIONS-----

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak Integrated by software incorrectly.Compound #:_____

___OTHER:_____Compound #:_____

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

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Sample : E4140-02 Inst : G1314A
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 11 12:16 2013 Quant Results File: HN110813.RES

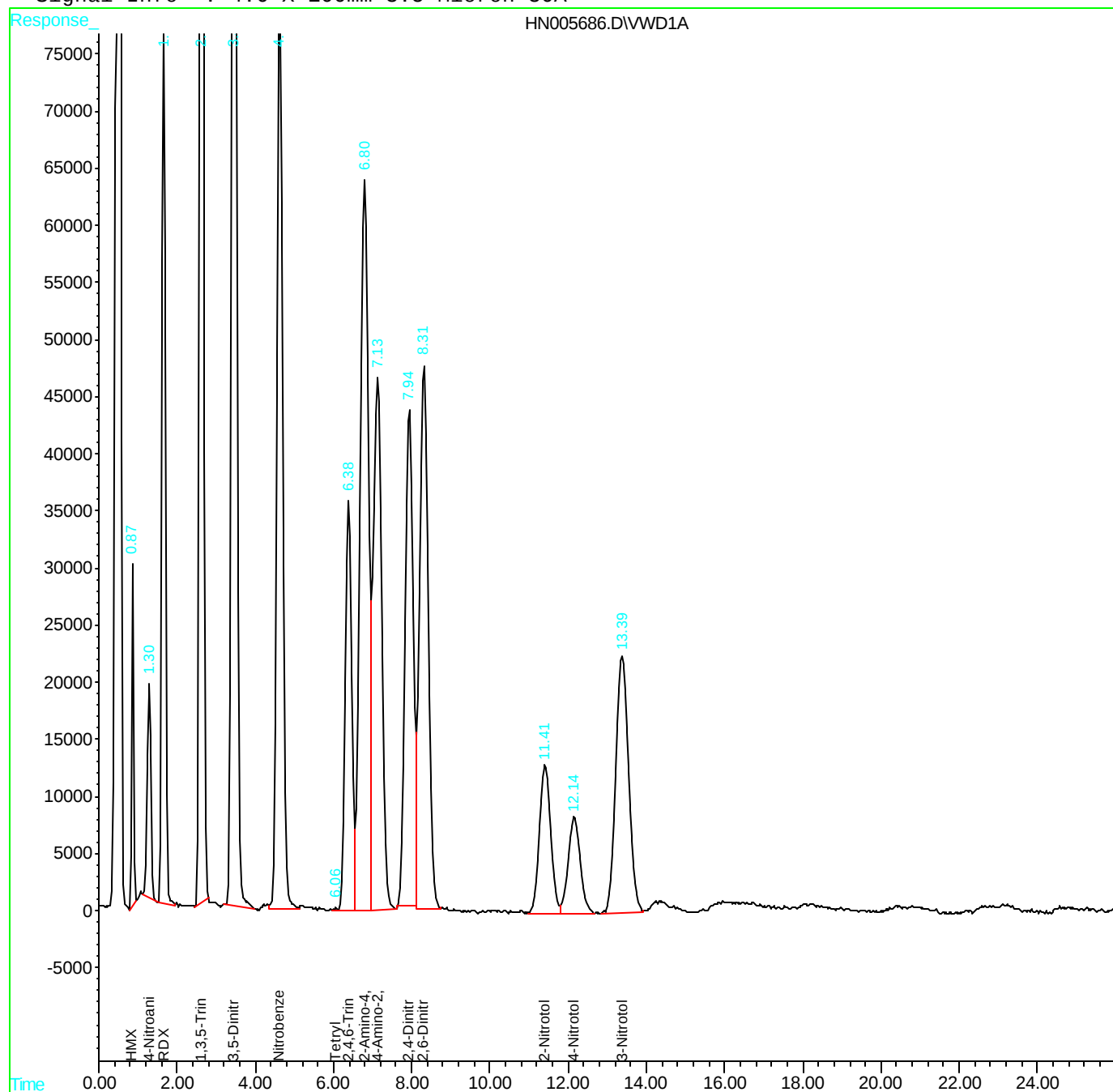
Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

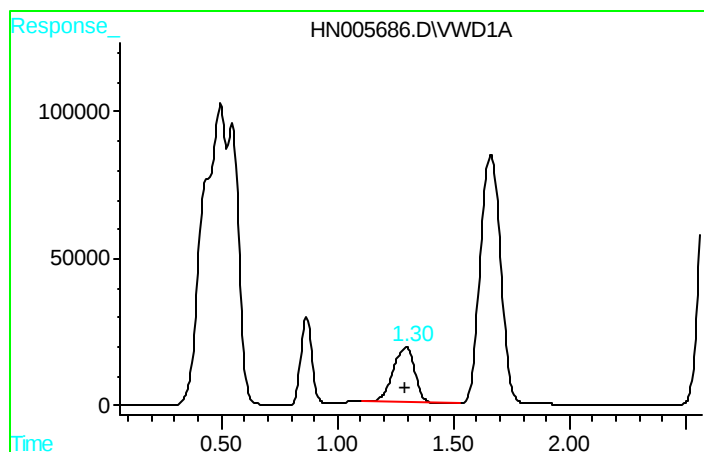
Manual Integrations
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11/11/2013 6:41:49 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHOD\HN110813.M
Title :
Last Update : Mon Jul 22 14:51:19 2013
Response via : Multiple Level Calibration
DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
Signal Phase : ZORBAX Extend-C18
Signal Info : 4.6 X 100mm 3.5-Micron 80A





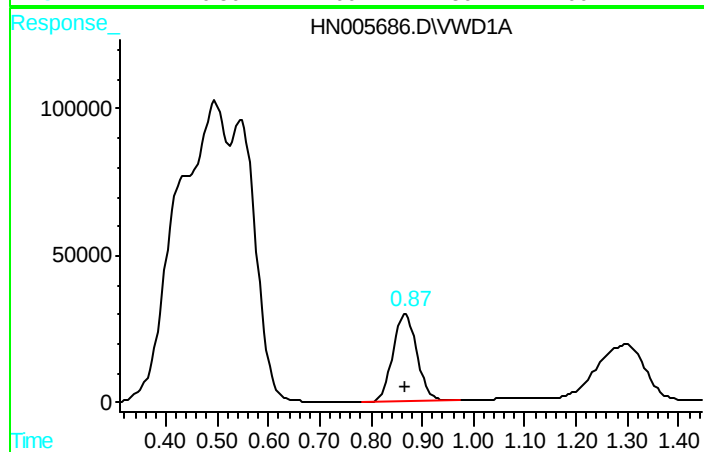
#1 4-Nitroaniline

R.T.: 1.297 min
 Delta R.T.: 0.005 min
 Response: 1237048
 Conc: 335.12 ug/L

Instrument :
 HPLC_N
 ClientSampleId :
 PT-EXP-WP

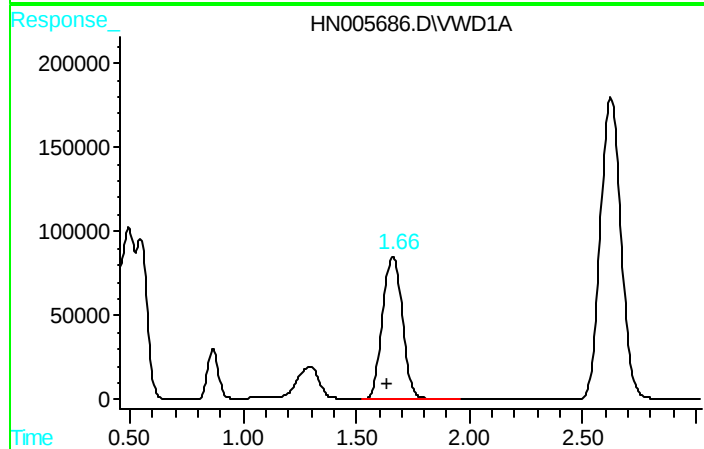
Manual Integrations
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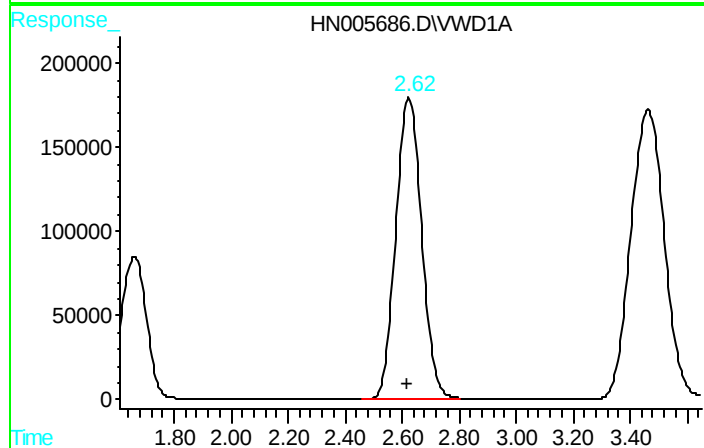
#2 HMX

R.T.: 0.868 min
 Delta R.T.: 0.002 min
 Response: 991002
 Conc: 246.83 ug/L



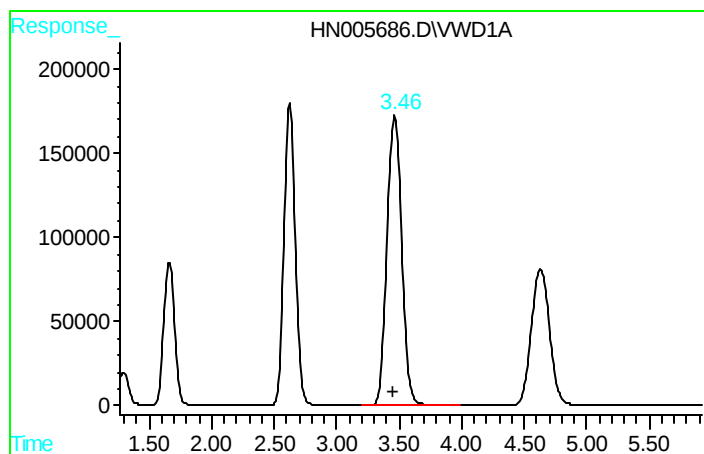
#3 RDX

R.T.: 1.662 min
 Delta R.T.: 0.032 min
 Response: 5203043
 Conc: 951.20 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 2.625 min
 Delta R.T.: 0.008 min
 Response: 11248532
 Conc: 1081.89 ug/L



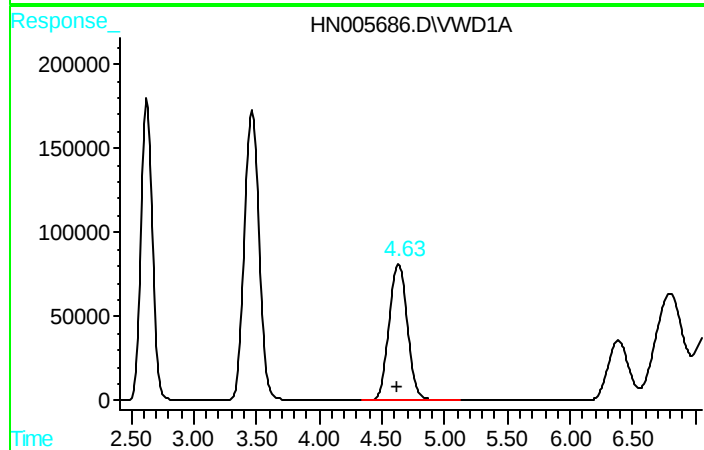
#5 3,5-Dinitroaniline

R.T.: 3.464 min
Delta R.T.: 0.013 min
Response: 14233896
Conc: 882.58 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

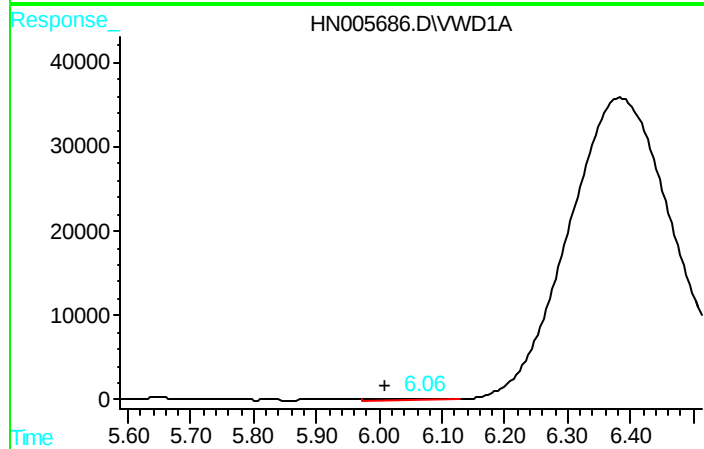
Manual Integrations
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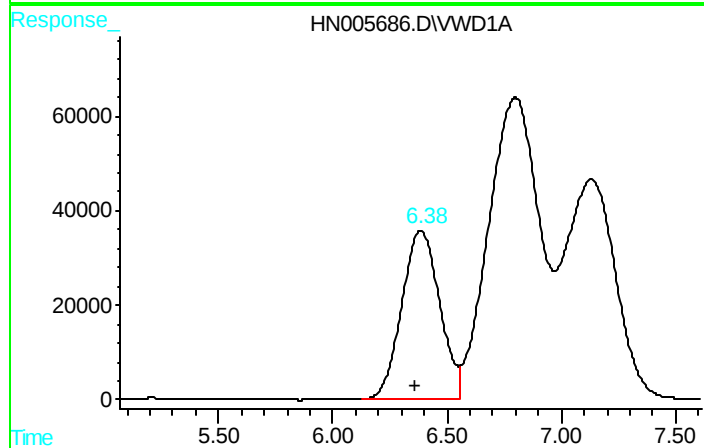
#7 Nitrobenzene

R.T.: 4.632 min
Delta R.T.: 0.017 min
Response: 8373349
Conc: 821.57 ug/L



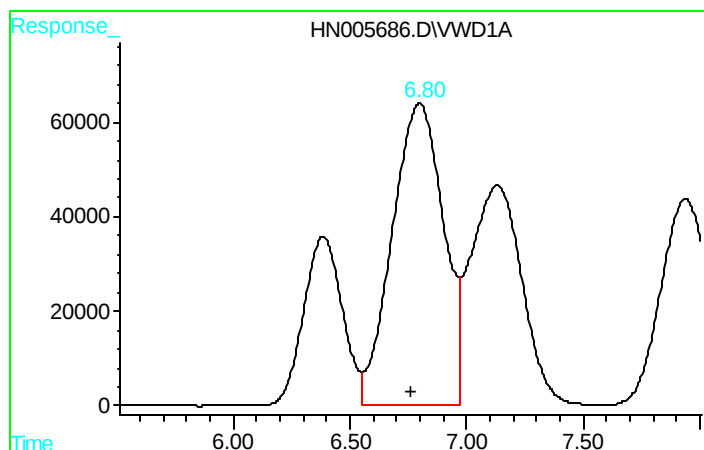
#8 Tetryl

R.T.: 6.065 min
Delta R.T.: 0.056 min
Response: 12704
Conc: 1.85 ug/L



#9 2,4,6-Trinitrotoluene

R.T.: 6.385 min
Delta R.T.: 0.030 min
Response: 4142158
Conc: 364.67 ug/L



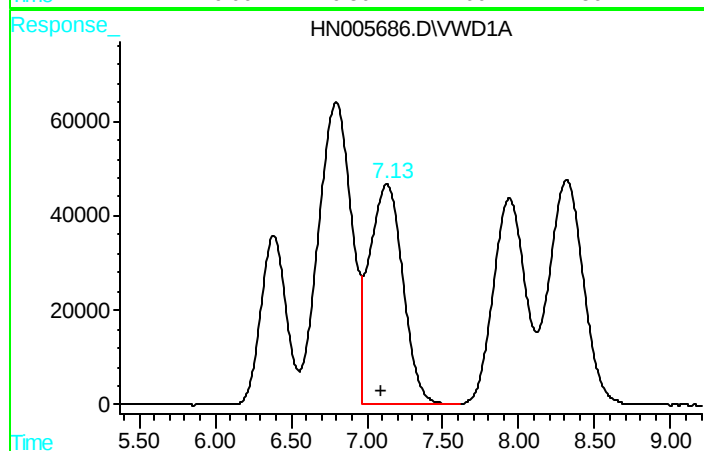
#10 2-Amino-4,6-dinitrotoluene

R.T.: 6.799 min
Delta R.T.: 0.039 min
Response: 9760109
Conc: 894.45 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

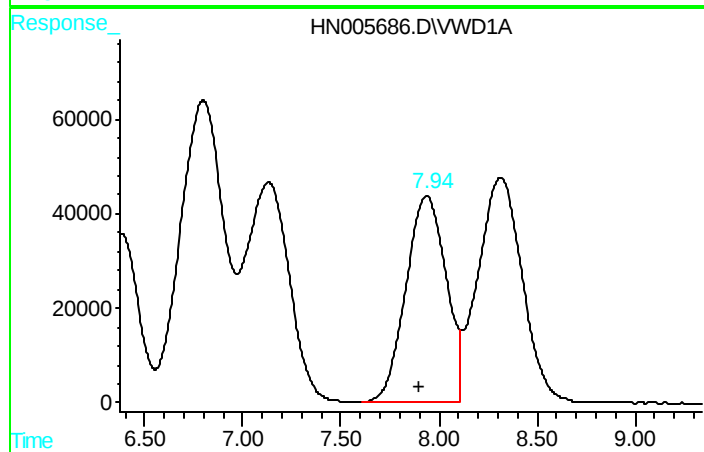
Manual Integrations
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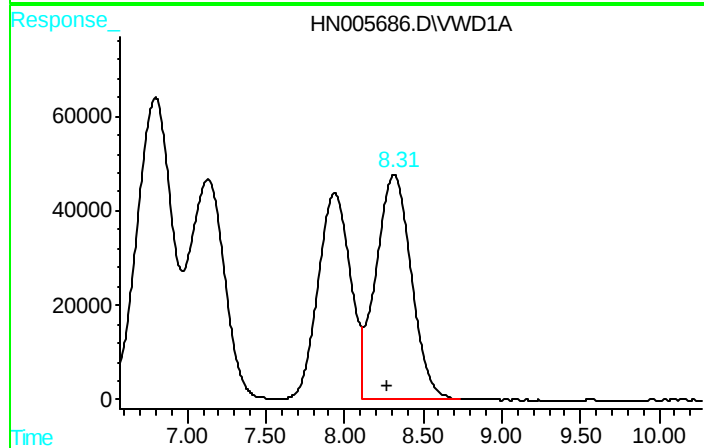
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.132 min
Delta R.T.: 0.043 min
Response: 7140690
Conc: 1217.67 ug/L



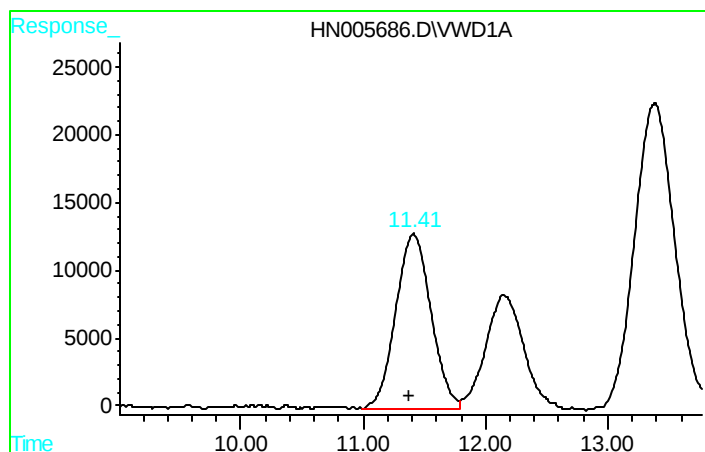
#12 2,4-Dinitrotoluene

R.T.: 7.936 min
Delta R.T.: 0.037 min
Response: 6179973
Conc: 418.48 ug/L m



#13 2,6-Dinitrotoluene

R.T.: 8.313 min
Delta R.T.: 0.041 min
Response: 7453265
Conc: 945.50 ug/L m



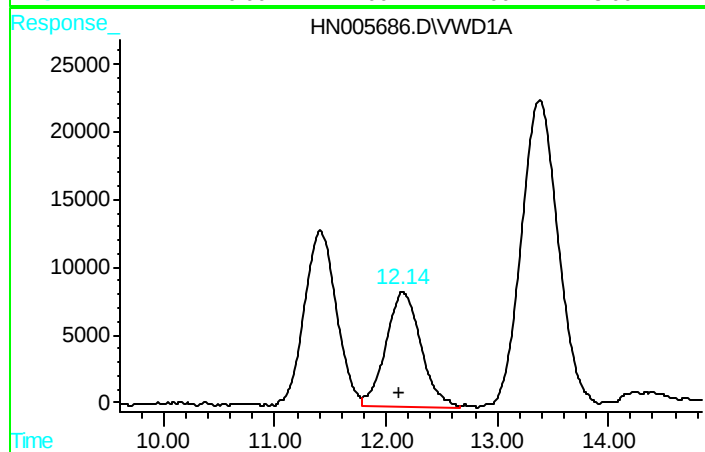
#14 2-Nitrotoluene

R.T.: 11.409 min
Delta R.T.: 0.041 min
Response: 2601351
Conc: 406.60 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

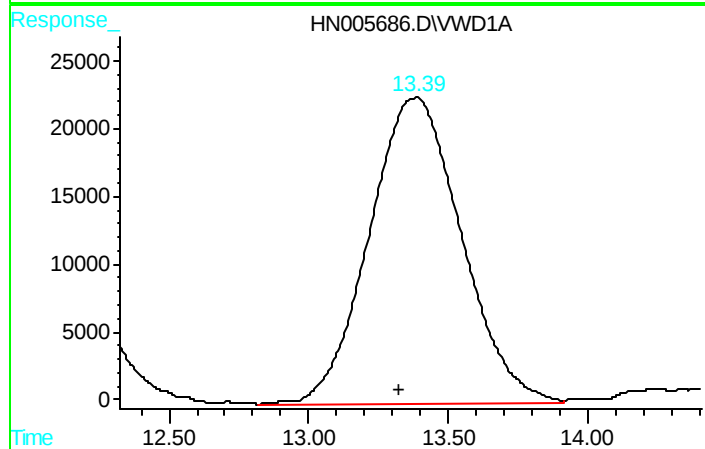
Manual Integrations
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#15 4-Nitrotoluene

R.T.: 12.150 min
Delta R.T.: 0.040 min
Response: 1840557
Conc: 341.35 ug/L



#16 3-Nitrotoluene

R.T.: 13.384 min
Delta R.T.: 0.059 min
Response: 5176083
Conc: 754.71 ug/L

Data File : Z:\HPCHEM1\HPLC_B\DATA\HB111213\HB001373.D Vial: 8
 Acq On : 12-Nov-2013, 20:24 Operator: QM
 Sample : E4140-02 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : autoint1.e
 Quant Time: Nov 13 18:13 2013 Quant Results File: HB111213.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PT-EXP-WP

Manual Integrations
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 11/11/2013 6:41:49 PM

Quant Method : Z:\HPCHEM1\HPLC_B\METHOD\HB111213.M
 Title :
 Last Update : Wed Nov 13 17:47:56 2013
 Response via : Initial Calibration
 DataAcq Meth : 8330BCON.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	6.85	136128	306.364 ug/L
Target Compounds			
2) T HMX	5.05	105066	239.456 ug/L
3) T RDX	8.26	648923	1204.696 ug/L
4) T 1,3,5-Trinitrobenzene	11.33	721059	1096.611 ug/L
5) T 1,3-Dinitrobenzene	15.06	673870	734.332 ng/ml
8) T Nitrobenzene	17.69	463196	717.522 ug/L
9) T 2,4,6-Trinitrotoluene	19.35	209372	323.317 ug/L m
10) T 4-Amino-2,6-dinitrotoluene	20.53	616550	986.229 ug/L m
11) T 2-Amino-4,6-dinitrotoluene	21.57	675688	964.078 ug/L m
12) T 2,6-Dinitrotoluene	24.10	437328	872.327 ug/L m
13) T 2,4-Dinitrotoluene	24.84	308198	403.446 ug/L m
14) T 2-Nitrotoluene	30.25	208805	467.867 ug/L m
15) T 4-Nitrotoluene	32.62	193394	326.512 ug/L m
16) T 3-Nitrotoluene	35.24	439797	789.537 ug/L m

 Analyst Signature:_____ Analyst Name:_____ Date:_____

-----REASONS FOR MANUAL INTEGRATIONS-----

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak Integrated by software incorrectly.Compound #:_____

___OTHER:_____Compound #:_____

(f)=RT Delta > 1/2 Window (m)=manual int.

HB001373.D HB111213.M Sat Dec 21 00:25:33 2013

RPT1

Quantitation Report

Data File : Z:\HPCHEM1\HPLC_B\DATA\HB111213\HB001373.D Vial: 8
Acq On : 12-Nov-2013, 20:24 Operator: QM
Sample : E4140-02 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 13 18:13 2013 Quant Results File: HB111213.RES

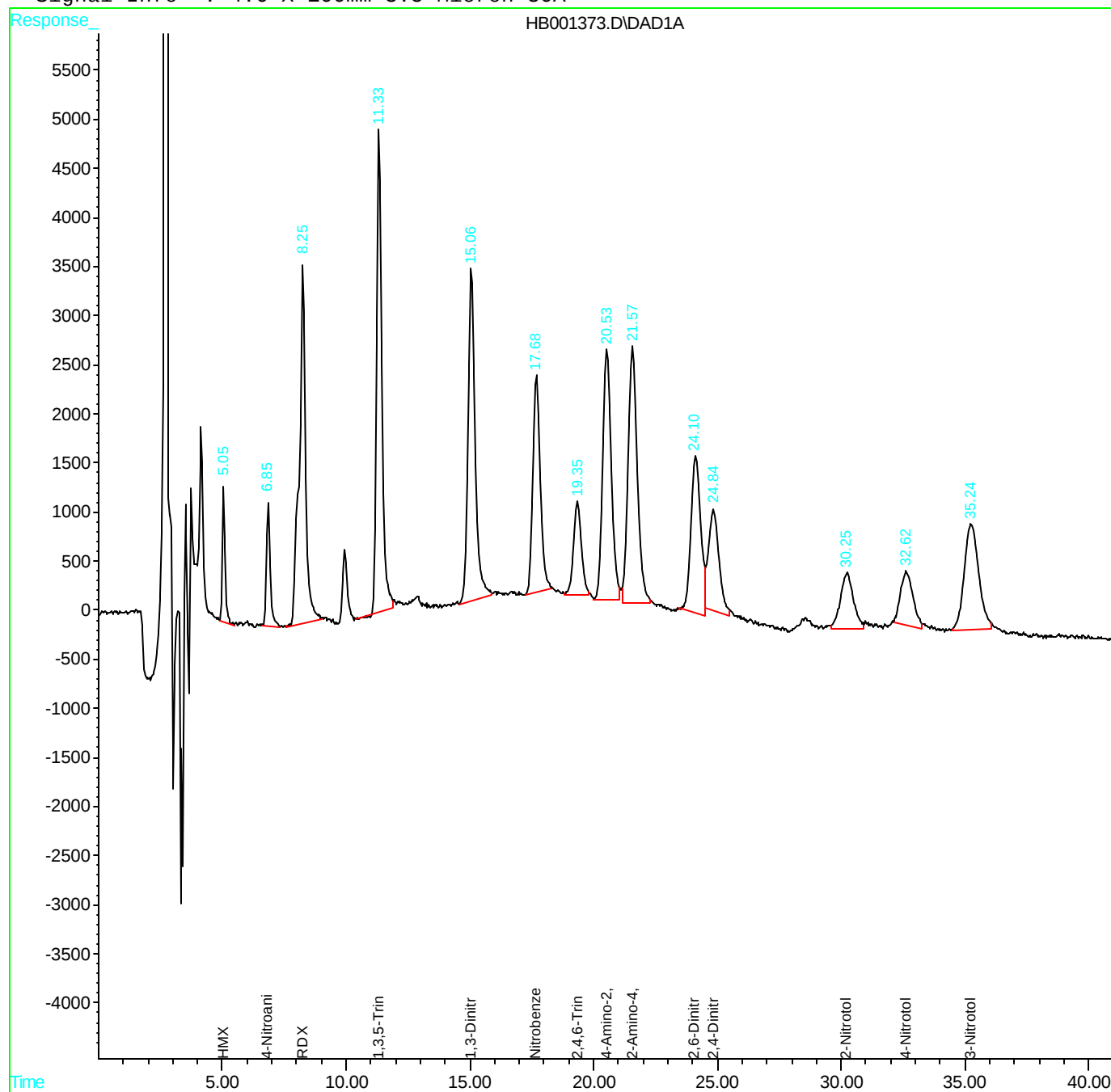
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HPLC_N
ClientSampleId :
PT-EXP-WP

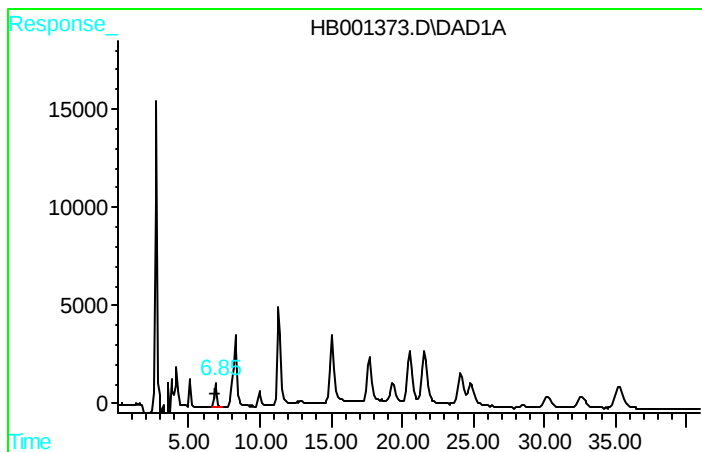
Manual Integrations
APPROVED

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11/11/2013 6:41:49 PM

Quant Method : Z:\HPCHEM1\HPLC_B\METHOD\HB111213.M
Title :
Last Update : Wed Nov 13 17:47:56 2013
Response via : Multiple Level Calibration
DataAcq Meth : 8330BCON.M

Volume Inj. : 50 ul
Signal Phase : ZORBAX Extend-C18
Signal Info : 4.6 X 100mm 3.5-Micron 80A





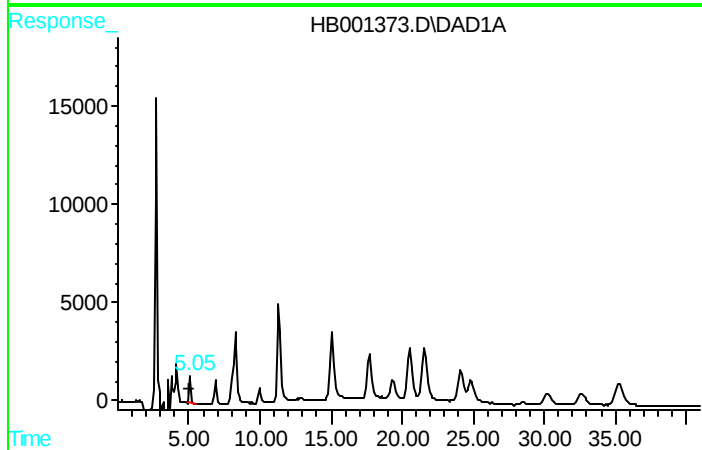
#1 4-Nitroaniline

R.T.: 6.855 min
Delta R.T.: 0.021 min
Response: 136128
Conc: 306.36 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

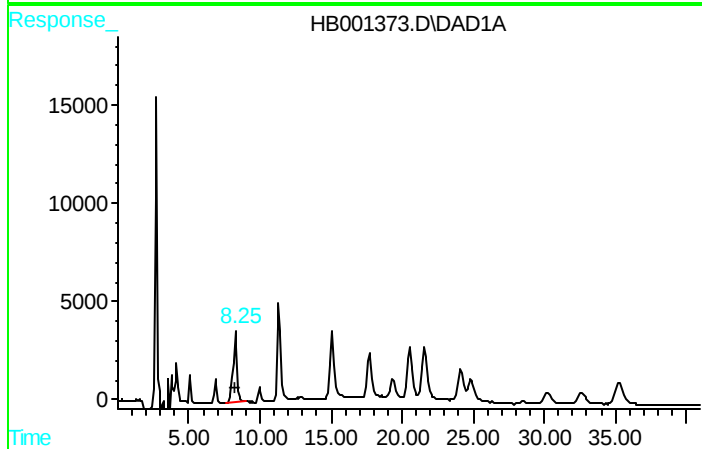
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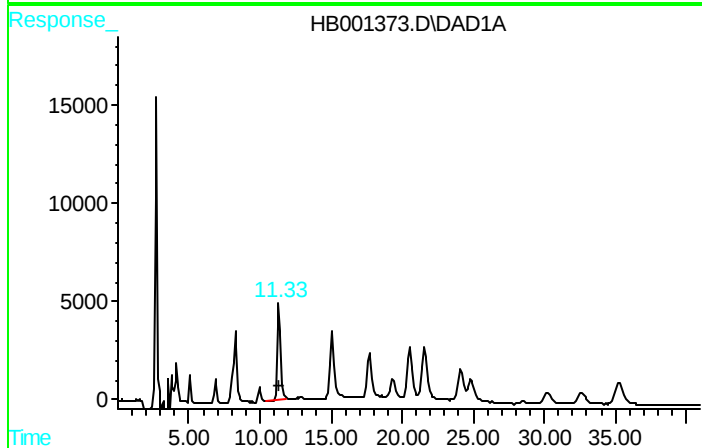
#2 HMX

R.T.: 5.054 min
Delta R.T.: 0.017 min
Response: 105066
Conc: 239.46 ug/L



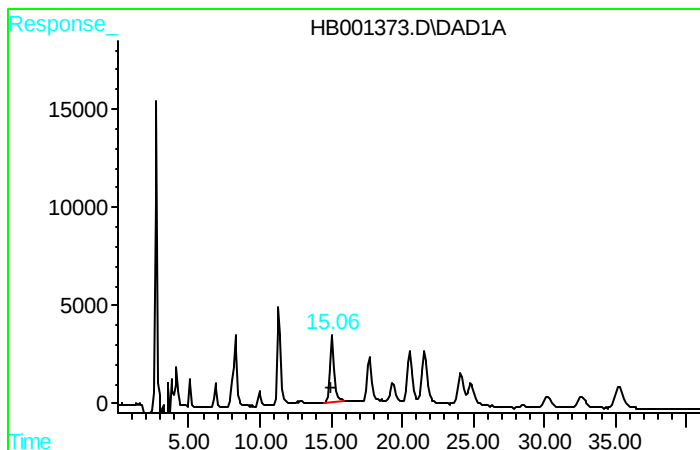
#3 RDX

R.T.: 8.257 min
Delta R.T.: 0.029 min
Response: 648923
Conc: 1204.70 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 11.331 min
Delta R.T.: 0.036 min
Response: 721059
Conc: 1096.61 ug/L



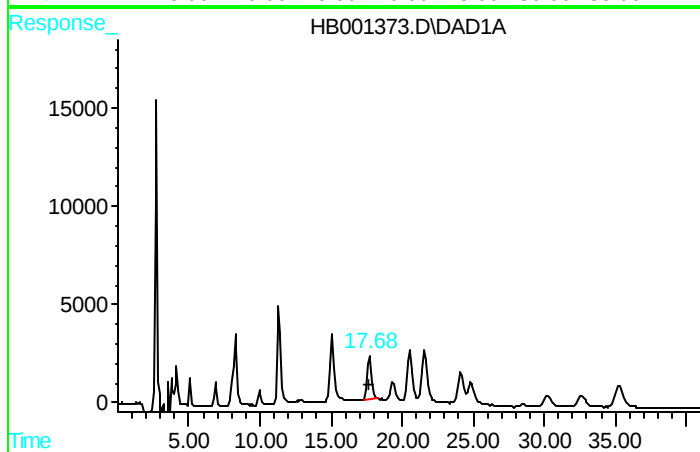
#5 1,3-Dinitrobenzene

R.T.: 15.059 min
Delta R.T.: 0.055 min
Response: 673870
Conc: 734.33 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

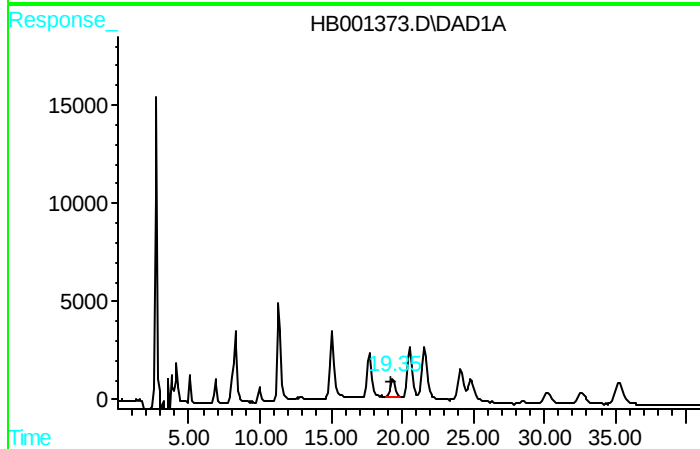
Manual Integrations
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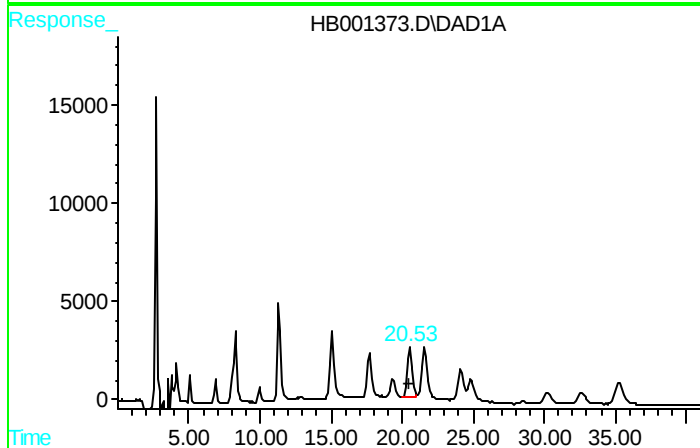
#8 Nitrobenzene

R.T.: 17.685 min
Delta R.T.: 0.054 min
Response: 463196
Conc: 717.52 ug/L



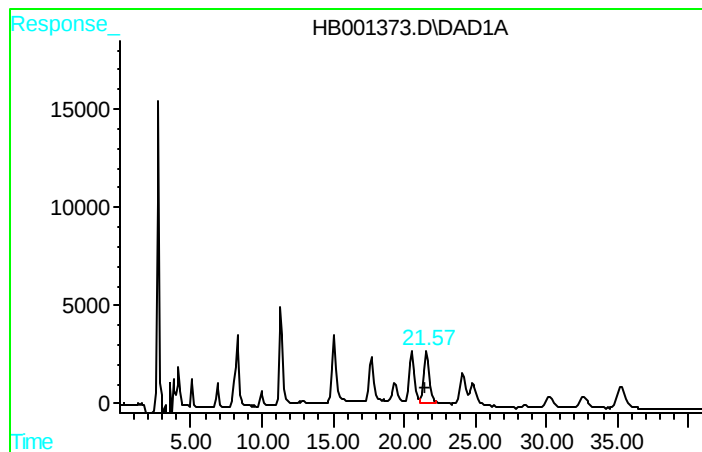
#9 2,4,6-Trinitrotoluene

R.T.: 19.347 min
Delta R.T.: 0.071 min
Response: 209372
Conc: 323.32 ug/L m



#10 4-Amino-2,6-dinitrotoluene

R.T.: 20.528 min
Delta R.T.: 0.111 min
Response: 616550
Conc: 986.23 ug/L m



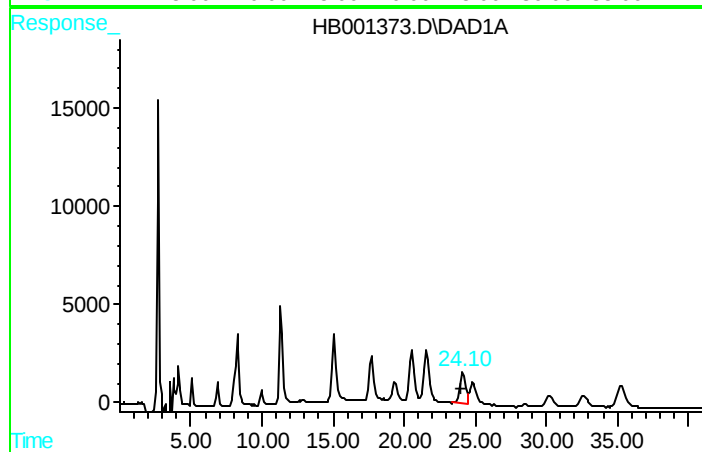
#11 2-Amino-4,6-dinitrotoluene

R.T.: 21.565 min
Delta R.T.: 0.118 min
Response: 675688
Conc: 964.08 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

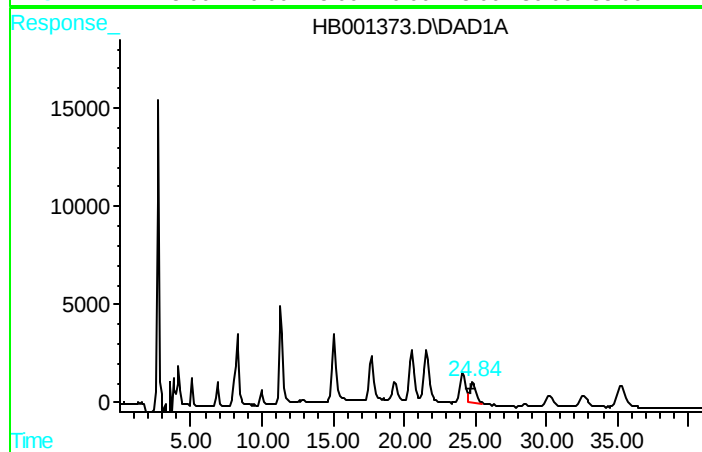
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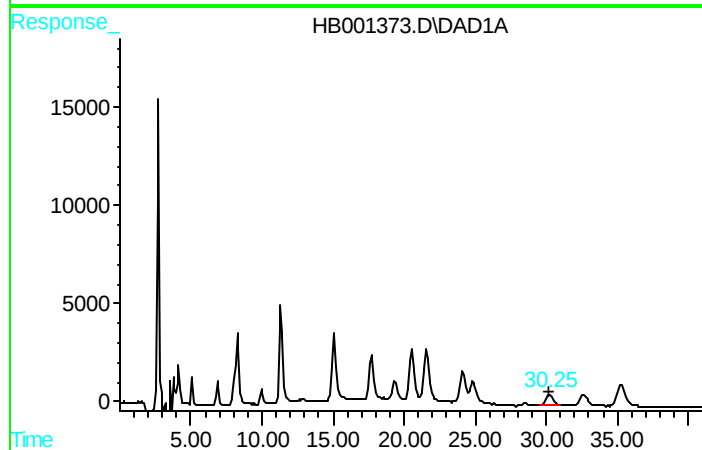
#12 2,6-Dinitrotoluene

R.T.: 24.105 min
Delta R.T.: 0.073 min
Response: 437328
Conc: 872.33 ug/L m



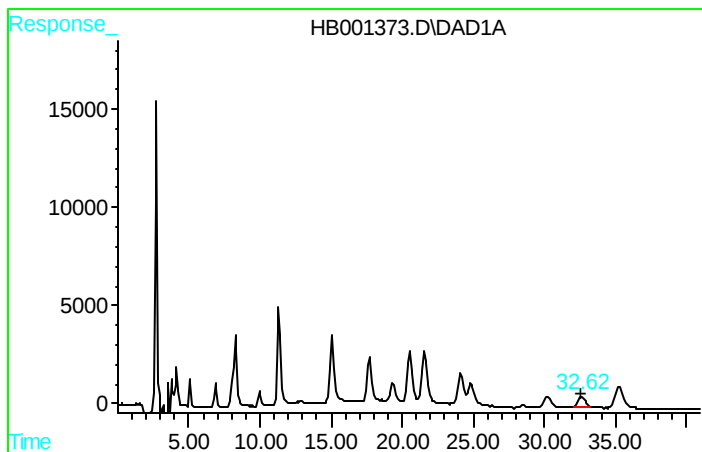
#13 2,4-Dinitrotoluene

R.T.: 24.837 min
Delta R.T.: 0.083 min
Response: 308198
Conc: 403.45 ug/L m



#14 2-Nitrotoluene

R.T.: 30.247 min
Delta R.T.: 0.122 min
Response: 208805
Conc: 467.87 ug/L m



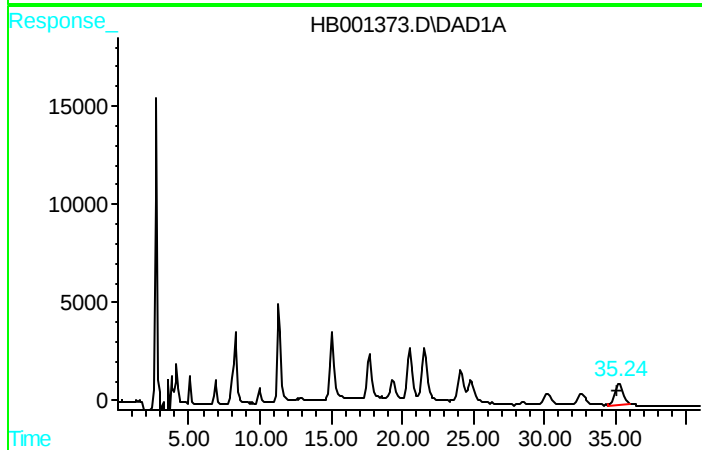
#15 4-Nitrotoluene

R.T.: 32.624 min
Delta R.T.: 0.104 min
Response: 193394
Conc: 326.51 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-WP

Manual Integrations
APPROVED

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#16 3-Nitrotoluene

R.T.: 35.240 min
Delta R.T.: 0.115 min
Response: 439797
Conc: 789.54 ug/L m