

Signal #1 : X:\HPCHEM1\HPLC N\DATA\HN101514\HN006353.D\VWD1A.CH Vial: 1  
 Signal #2 : X:\HPCHEM1\HPLC N\DATA\HN101514\HN006353.D\VWD1A.CH  
 Acq On : 16-Oct-2014, 12:12 Operator: HNP  
 Sample : HSTDCCC0500 Inst : G1314A  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Oct 16 13:32 2014 Quant Results File: HN100214.RES

Instrument :  
 HPLC\_N  
 LabSampleId :  
 HSTDCCC0500

Manual Integrations  
 APPROVED

mohammad  
 10/21/2014 10:22:09 AM

Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN100214.M  
 Title :  
 Last Update : Fri Oct 03 10:34:01 2014  
 Response via : Initial Calibration  
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul  
 Signal #1 Phase : ZORBAX Extend-C18 Signal #2 Phase:  
 Signal #1 Info : 4.6 X 100mm 3.5-M Signal #2 Info :

| Compound                         | R.T.  | Response | Conc Units     |
|----------------------------------|-------|----------|----------------|
| -----                            |       |          |                |
| System Monitoring Compounds      |       |          |                |
| 1) S 4-Nitroaniline              | 1.31  | 1631712  | 410.543 ug/L m |
| Target Compounds                 |       |          |                |
| 2) T HMX                         | 0.87  | 2109541  | 436.180 ug/L m |
| 3) T RDX                         | 1.70  | 2696728  | 491.875 ug/L   |
| 4) T 1,3,5-Trinitrobenzene       | 2.66  | 5464765  | 509.561 ug/L   |
| 5) T 1,3-Dinitrobenzene          | 3.55  | 8216190  | 501.775 ng/ml  |
| 6) T 3,5-Dinitroaniline          | 3.90  | 5872178  | 503.928 ug/L   |
| 7) T Nitrobenzene                | 4.79  | 4963416  | 495.304 ug/L   |
| 8) T Tetryl                      | 6.30  | 3561570  | 558.574 ug/L   |
| 9) T 2,4,6-Trinitrotoluene       | 6.58  | 5372538  | 500.374 ug/L   |
| 10) T 2-Amino-4,6-dinitrotoluene | 7.08  | 5671596  | 489.801 ug/L   |
| 11) T 4-Amino-2,6-dinitrotoluene | 7.44  | 3333565  | 546.205 ug/L   |
| 12) T 2,4-Dinitrotoluene         | 8.25  | 7631149  | 495.612 ug/L   |
| 13) T 2,6-Dinitrotoluene         | 8.66  | 4147077  | 489.291 ug/L   |
| 14) T 2-Nitrotoluene             | 11.97 | 3369327  | 503.088 ug/L m |
| 15) T 4-Nitrotoluene             | 12.74 | 2655798  | 485.163 ug/L m |
| 16) T 3-Nitrotoluene             | 14.03 | 3460759  | 497.112 ug/L   |
| 17) T PETN                       | 19.16 | 4073994  | 494.996 ug/L   |

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 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.

HN006353.D HN100214.M

Thu Oct 30 05:19:11 2014

Signal #1 : X:\HPCHEM1\HPLC N\DATA\HN101514\HN006353.D\VWD1A.CH Vial: 1  
Signal #2 : X:\HPCHEM1\HPLC N\DATA\HN101514\HN006353.D\VWD1A.CH  
Acq On : 16-Oct-2014, 12:12 Operator: HNP  
Sample : HSTDCCC0500 Inst : G1314A  
Misc : Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 16 13:32 2014 Quant Results File: HN100214.RES

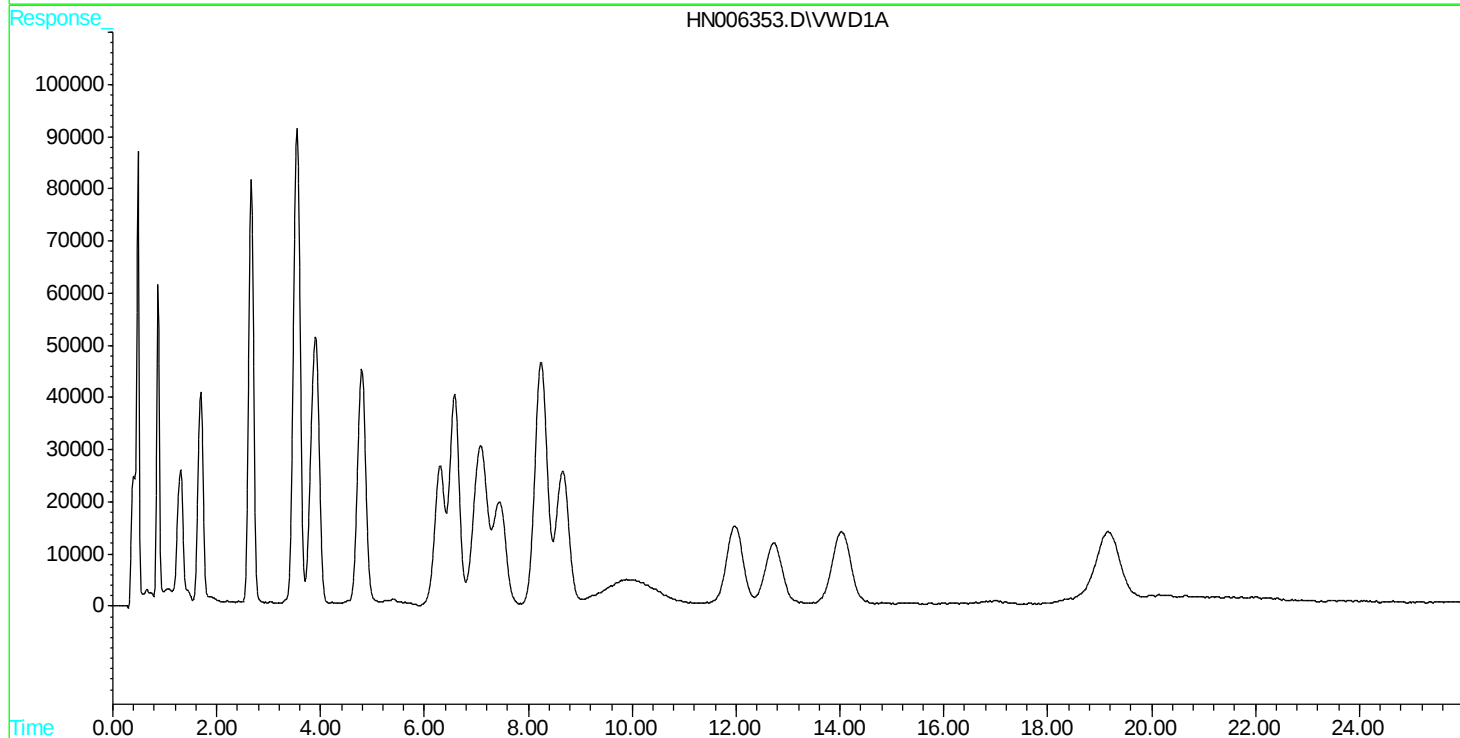
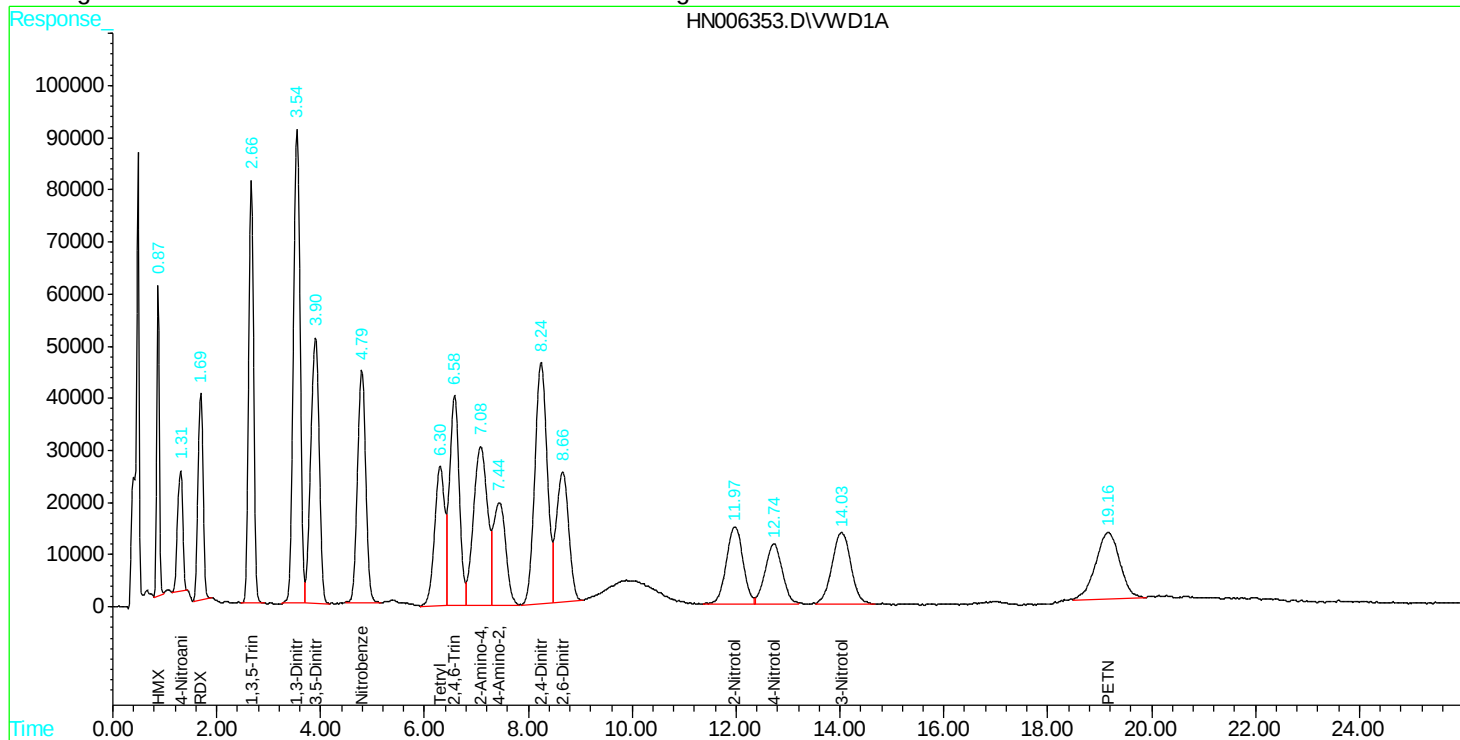
Instrument :  
HPLC\_N  
LabSampleId :  
HSTDCCC0500

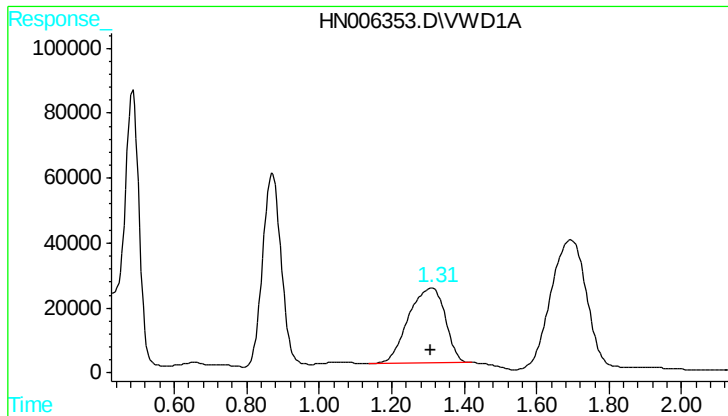
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APPROVED

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10/21/2014 10:22:09 AM

Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN100214.M  
Title :  
Last Update : Fri Oct 03 10:34:01 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul  
Signal #1 Phase : ZORBAX Extend-C18 Signal #2 Phase:  
Signal #1 Info : 4.6 X 100mm 3.5-M Signal #2 Info :





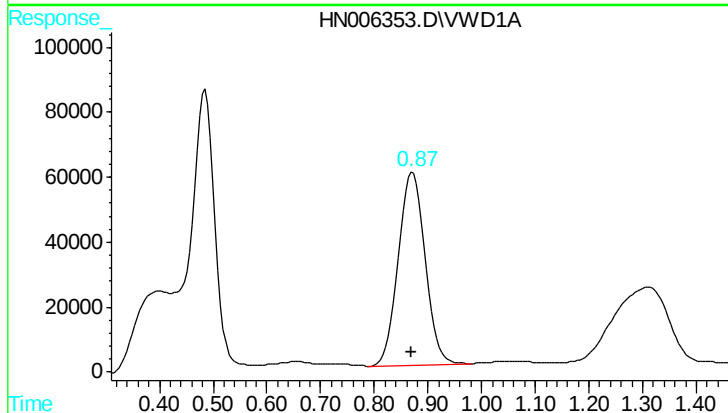
# #1 4-Nitroaniline

R.T.: 1.310 min  
 Delta R.T.: 0.002 min  
 Response: 1631712  
 Conc: 410.54 ug/L m

Instrument :  
 HPLC\_N  
 LabSampleId :  
 HSTDCCC0500

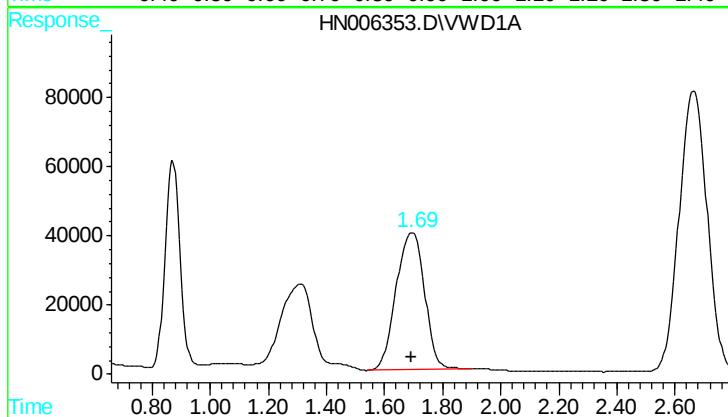
Manual Integrations  
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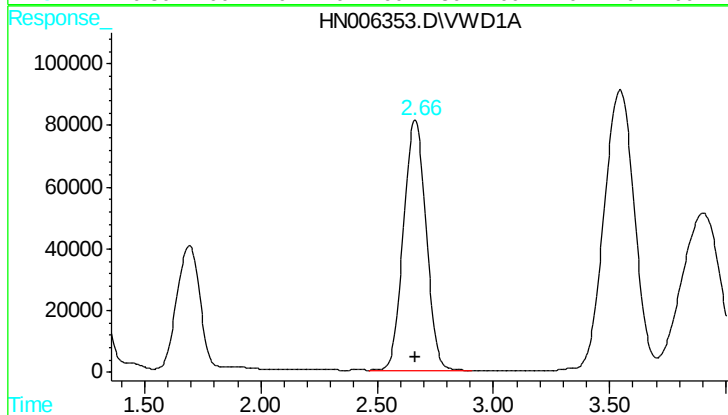
# #2 HMX

R.T.: 0.869 min  
 Delta R.T.: -0.001 min  
 Response: 2109541  
 Conc: 436.18 ug/L m



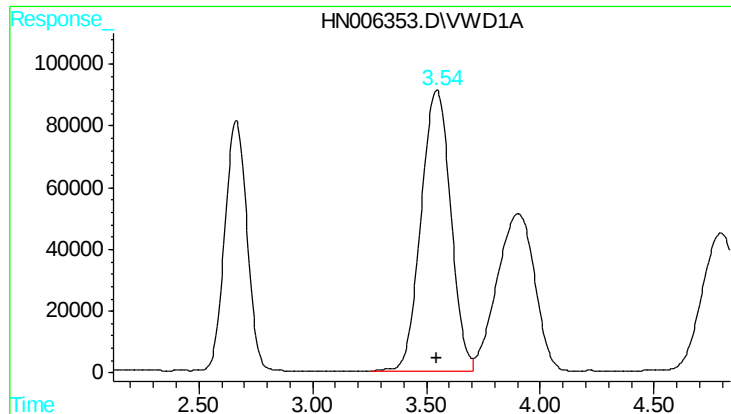
# #3 RDX

R.T.: 1.695 min  
 Delta R.T.: 0.000 min  
 Response: 2696728  
 Conc: 491.87 ug/L



# #4 1,3,5-Trinitrobenzene

R.T.: 2.665 min  
 Delta R.T.: 0.000 min  
 Response: 5464765  
 Conc: 509.56 ug/L



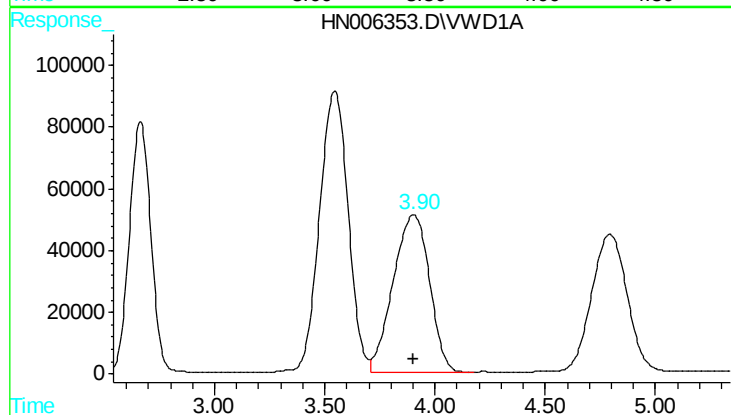
#5 1,3-Dinitrobenzene

R.T.: 3.546 min  
Delta R.T.: 0.000 min  
Response: 8216190  
Conc: 501.78 ng/ml

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDCCC0500

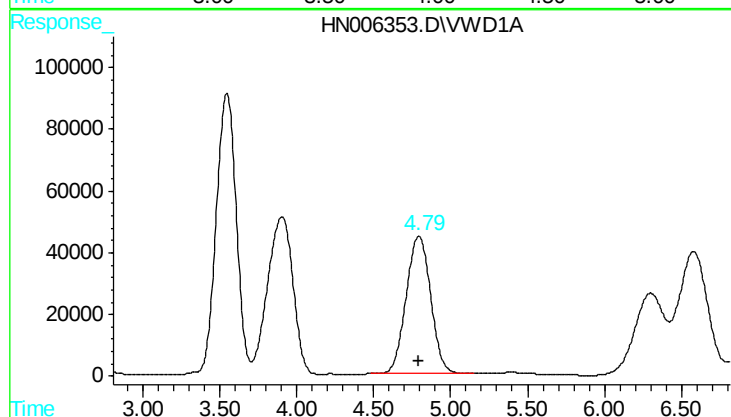
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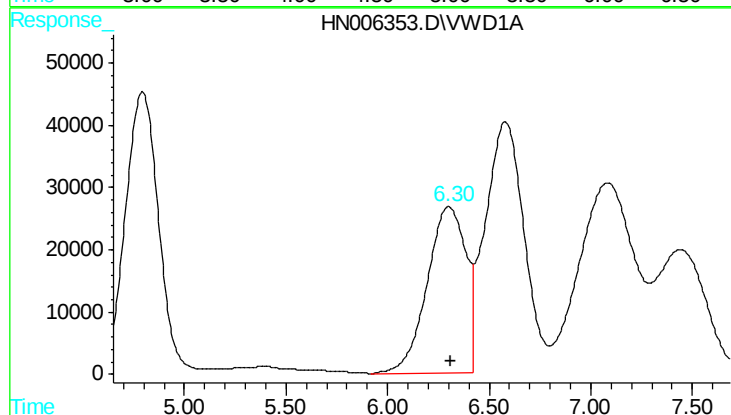
#6 3,5-Dinitroaniline

R.T.: 3.904 min  
Delta R.T.: 0.002 min  
Response: 5872178  
Conc: 503.93 ug/L



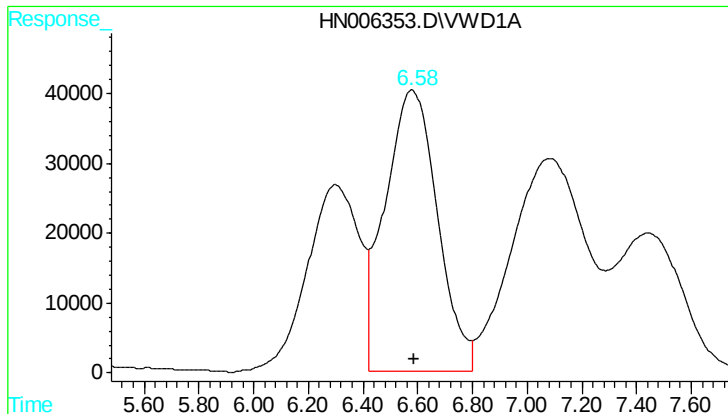
#7 Nitrobenzene

R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 4963416  
Conc: 495.30 ug/L



#8 Tetryl

R.T.: 6.301 min  
Delta R.T.: -0.011 min  
Response: 3561570  
Conc: 558.57 ug/L



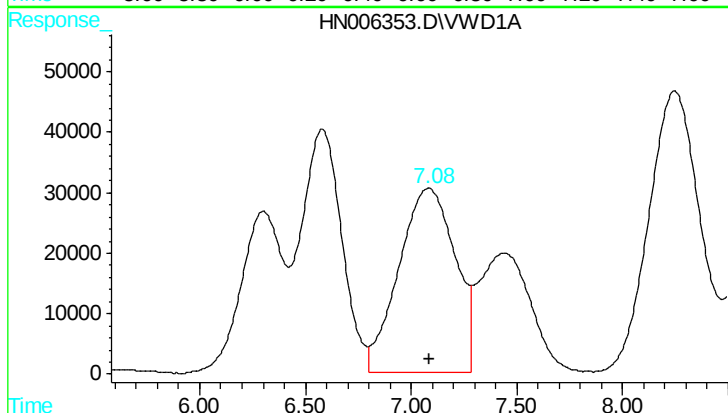
#9 2,4,6-Trinitrotoluene

R.T.: 6.580 min  
Delta R.T.: -0.007 min  
Response: 5372538  
Conc: 500.37 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDCCC0500

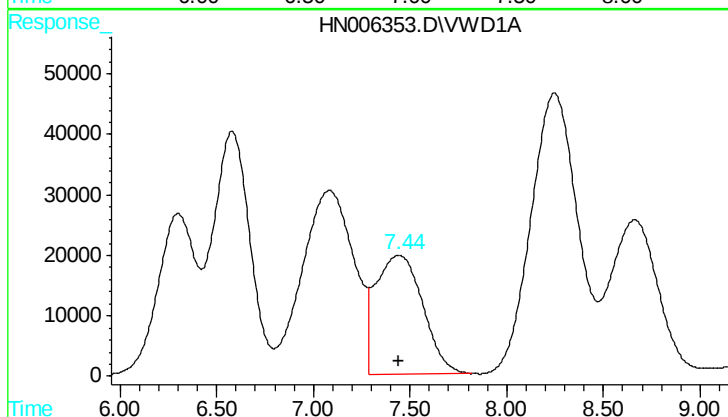
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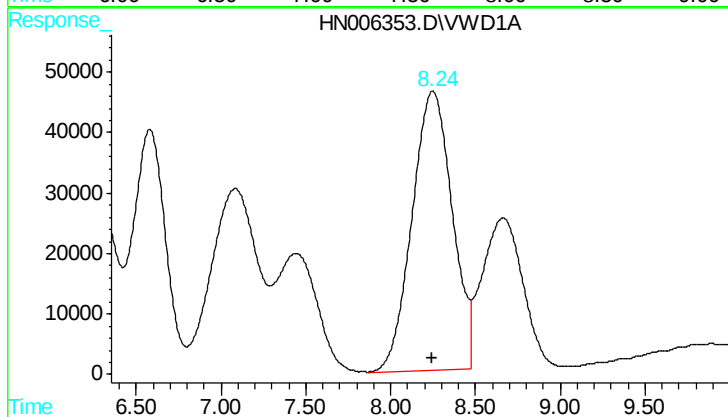
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.083 min  
Delta R.T.: -0.005 min  
Response: 5671596  
Conc: 489.80 ug/L



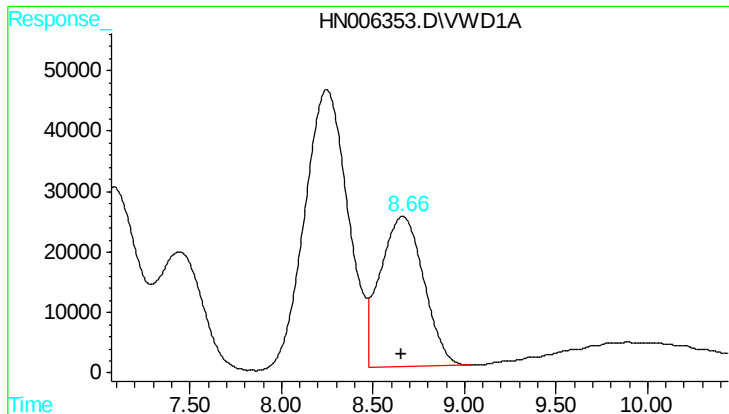
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.442 min  
Delta R.T.: 0.001 min  
Response: 3333565  
Conc: 546.20 ug/L



#12 2,4-Dinitrotoluene

R.T.: 8.247 min  
Delta R.T.: 0.006 min  
Response: 7631149  
Conc: 495.61 ug/L



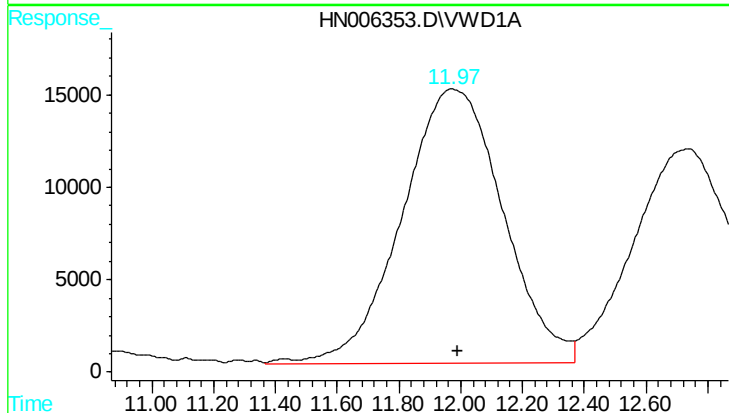
#13 2,6-Dinitrotoluene

R.T.: 8.662 min  
Delta R.T.: 0.008 min  
Response: 4147077  
Conc: 489.29 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDCCC0500

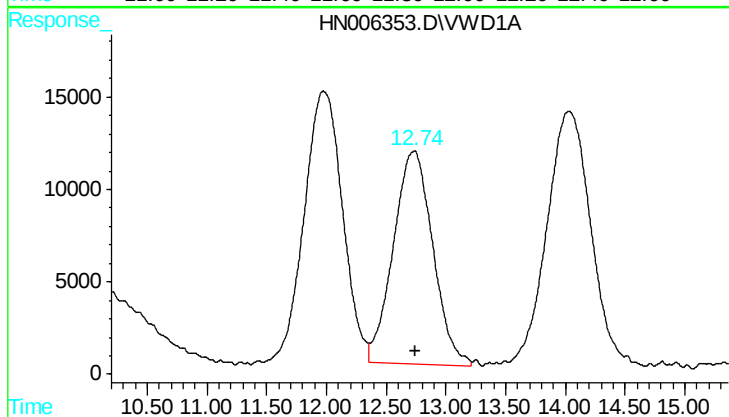
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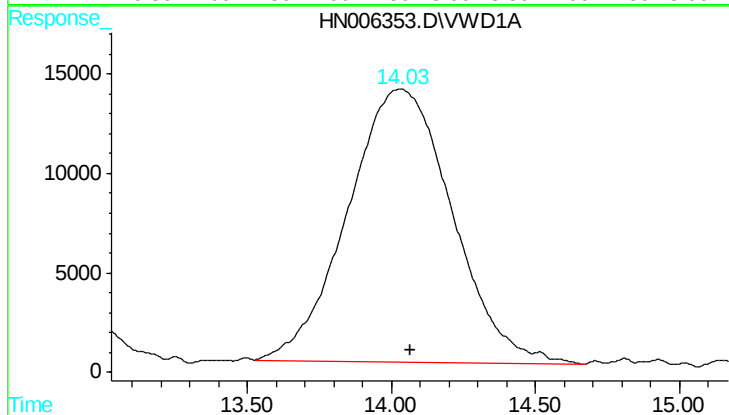
#14 2-Nitrotoluene

R.T.: 11.968 min  
Delta R.T.: -0.021 min  
Response: 3369327  
Conc: 503.09 ug/L m



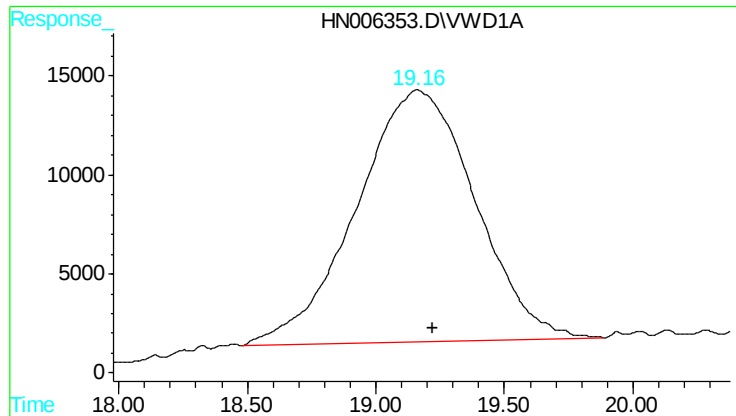
#15 4-Nitrotoluene

R.T.: 12.737 min  
Delta R.T.: -0.009 min  
Response: 2655798  
Conc: 485.16 ug/L m



#16 3-Nitrotoluene

R.T.: 14.030 min  
Delta R.T.: -0.035 min  
Response: 3460759  
Conc: 497.11 ug/L



#17 PETN

R.T.: 19.161 min  
Delta R.T.: -0.063 min  
Response: 4073994  
Conc: 495.00 ug/L

Instrument :  
HPLC\_N  
LabSampleId :  
HSTDCCC0500

Manual Integrations  
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