

Signal #1 : Z:\HPCHEM1\HPLC\_N\DATA\HN103114\HN006927.D\VWD1A.CH Vial: 45  
 Signal #2 : Z:\HPCHEM1\HPLC\_N\DATA\HN103114\HN006927.D\VWD1A.CH  
 Acq On : 01-Nov-2014, 12:00 Operator: TP  
 Sample : PB79845BS Inst : G1314A  
 Misc : Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 2:45 2014 Quant Results File: HN103114.RES

Instrument :  
 HPLC\_N  
 ClientSampleId :  
 PB79844BS

Manual Integrations  
 APPROVED

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 11/14/2014 10:34:10 AM

Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN103114.M  
 Title :  
 Last Update : Sat Nov 01 07:07:53 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              | 1.30  | 648136   | 178.292 ug/L m |
| Target Compounds                 |       |          |                |
| 2) T HMX                         | 0.87  | 612117   | 140.386 ug/L   |
| 3) T RDX                         | 1.68  | 653194   | 127.692 ug/L m |
| 4) T 1,3,5-Trinitrobenzene       | 2.66  | 1305246  | 127.513 ug/L   |
| 5) T 1,3-Dinitrobenzene          | 3.53  | 2050907  | 129.787 ng/ml  |
| 6) T 3,5-Dinitroaniline          | 3.90  | 1482181  | 132.171 ug/L   |
| 7) T Nitrobenzene                | 4.76  | 1241226  | 130.312 ug/L m |
| 8) T Tetryl                      | 6.27  | 754289   | 153.121 ug/L m |
| 9) T 2,4,6-Trinitrotoluene       | 6.54  | 1266587  | 124.908 ug/L m |
| 10) T 2-Amino-4,6-dinitrotoluene | 7.08  | 1242639  | 111.027 ug/L m |
| 11) T 4-Amino-2,6-dinitrotoluene | 7.43  | 803488   | 141.595 ug/L m |
| 12) T 2,4-Dinitrotoluene         | 8.20  | 1910502  | 128.826 ug/L m |
| 13) T 2,6-Dinitrotoluene         | 8.60  | 1046294  | 130.503 ug/L m |
| 14) T 2-Nitrotoluene             | 11.93 | 774575   | 122.387 ug/L m |
| 15) T 4-Nitrotoluene             | 12.68 | 623571   | 122.587 ug/L m |
| 16) T 3-Nitrotoluene             | 13.99 | 864568   | 127.776 ug/L m |
| 17) T PETN                       | 19.09 | 1177674  | 140.377 ug/L m |

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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.

HN006927.D HN103114.M Wed Dec 03 00:40:45 2014

Signal #1 : Z:\HPCHEM1\HPLC\_N\DATA\HN103114\HN006927.D\VWD1A.CH Vial: 45  
Signal #2 : Z:\HPCHEM1\HPLC\_N\DATA\HN103114\HN006927.D\VWD1A.CH  
Acq On : 01-Nov-2014, 12:00 Operator: TP  
Sample : PB79845BS Inst : G1314A  
Misc : Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 2:45 2014 Quant Results File: HN103114.RES

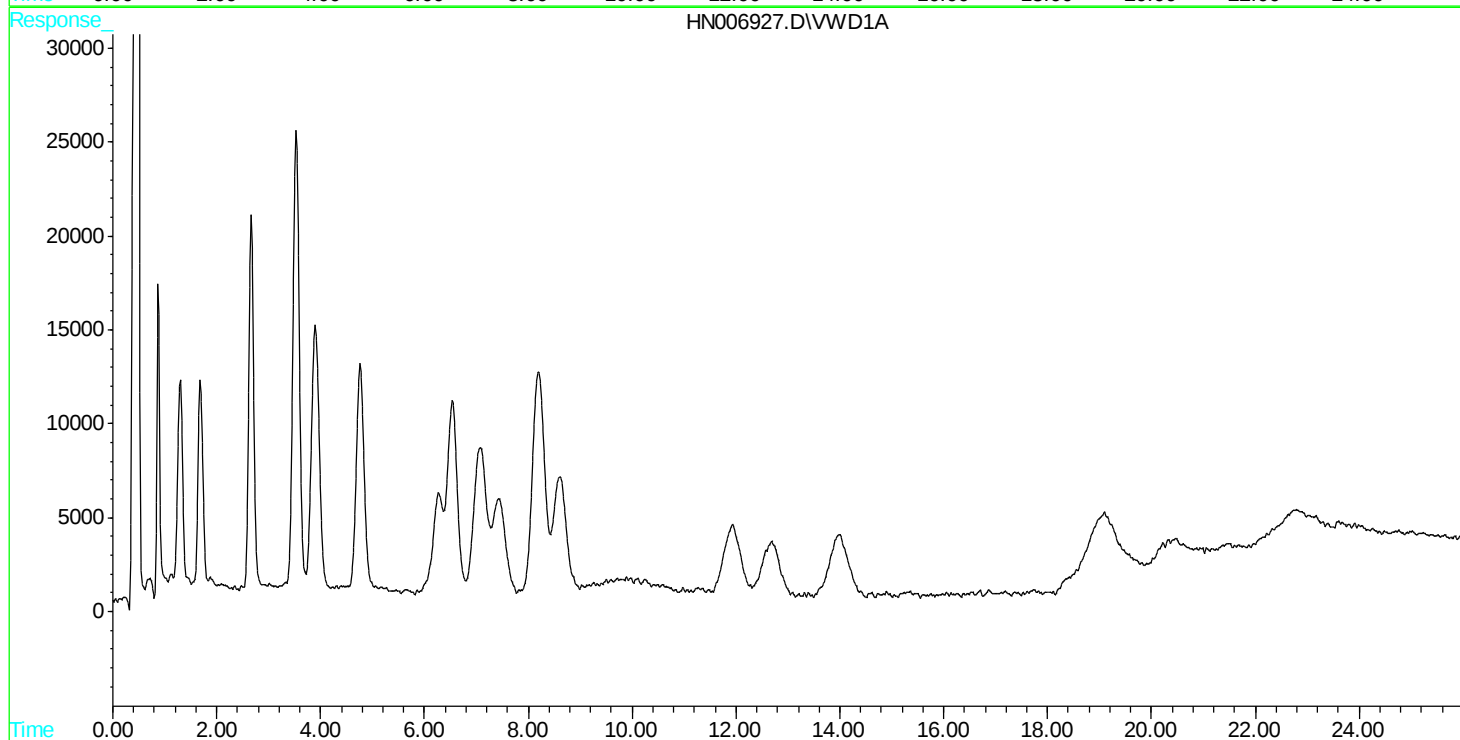
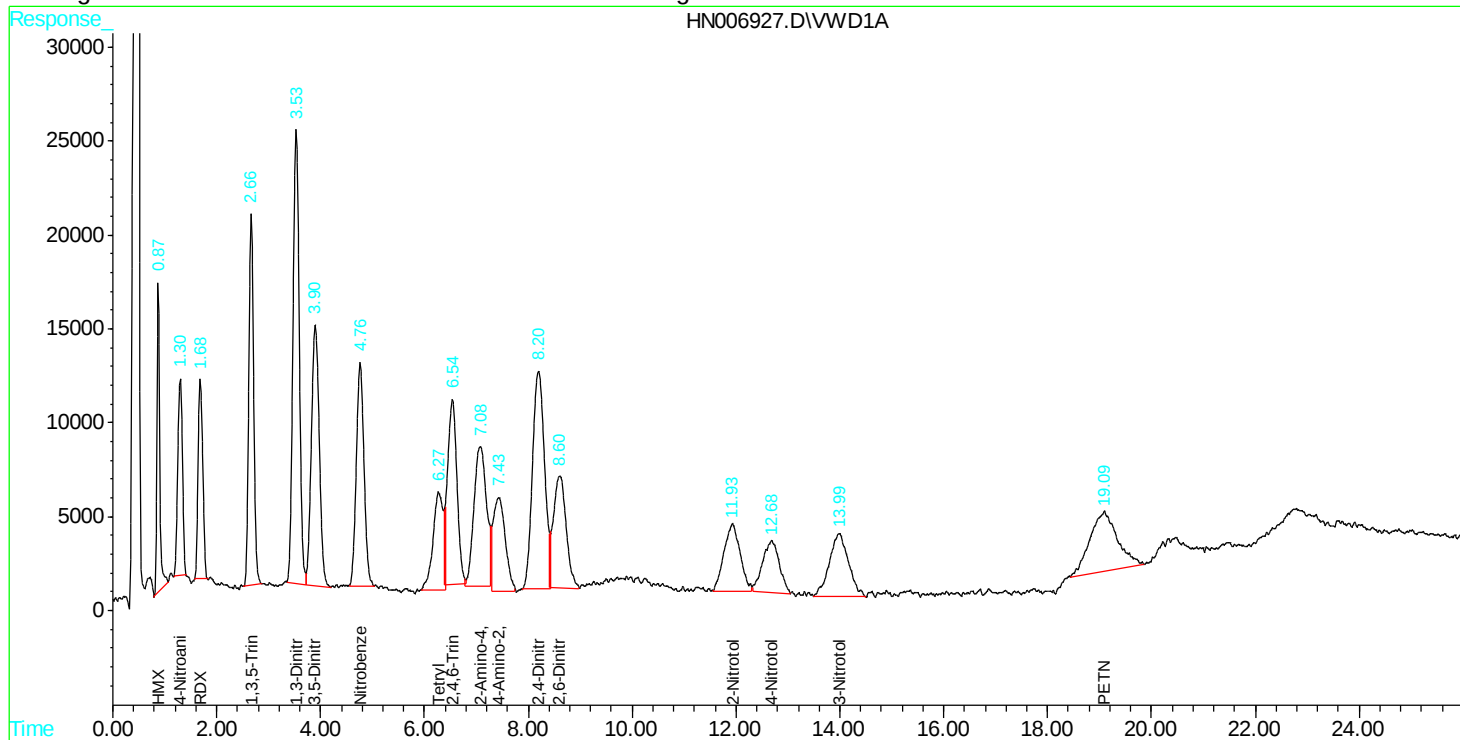
Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

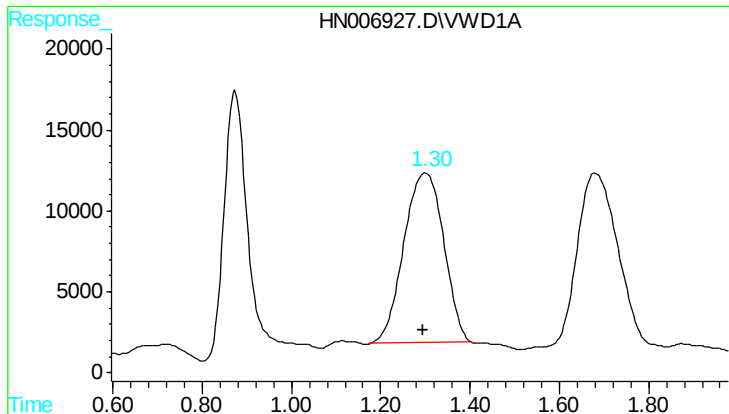
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Quant Method : Z:\HPCHEM1\HPLC\_N\METHODS\HN103114.M  
Title :  
Last Update : Sat Nov 01 07:07:53 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : 8330AGIP.M

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 :





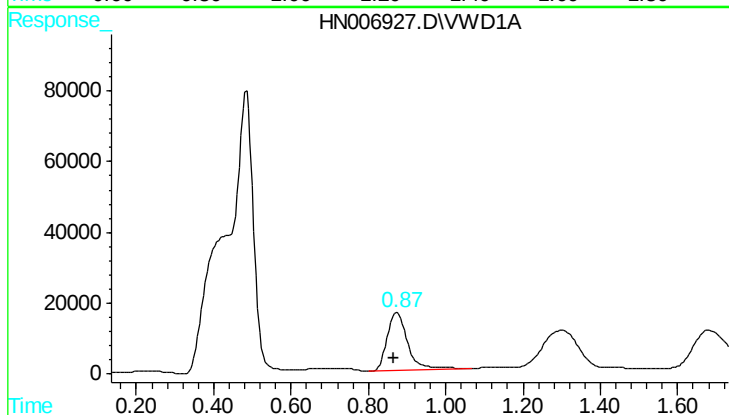
#1 4-Nitroaniline

R.T.: 1.299 min  
Delta R.T.: 0.003 min  
Response: 648136  
Conc: 178.29 ug/L m

Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

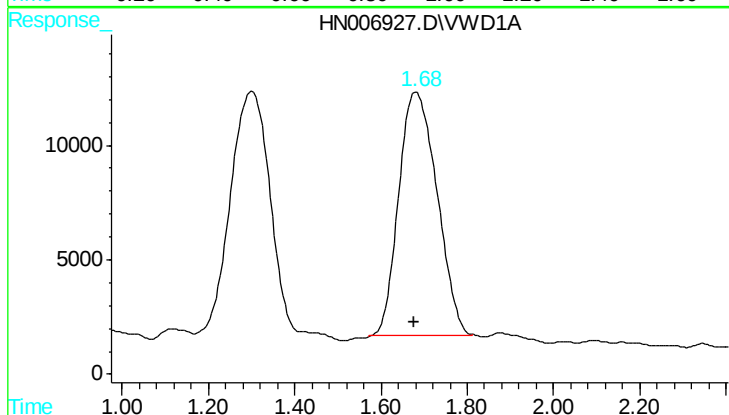
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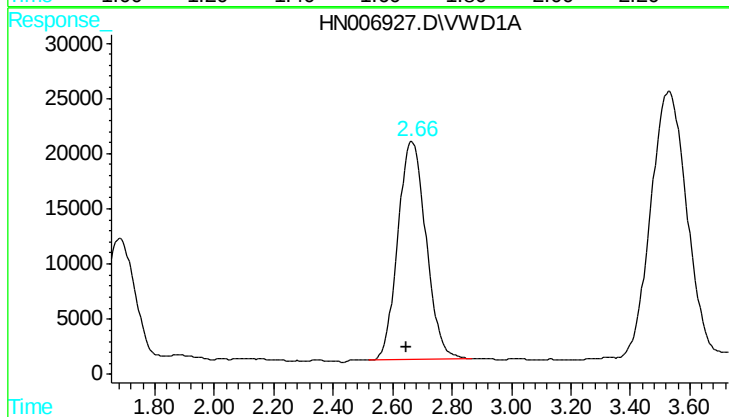
#2 HMX

R.T.: 0.874 min  
Delta R.T.: 0.009 min  
Response: 612117  
Conc: 140.39 ug/L



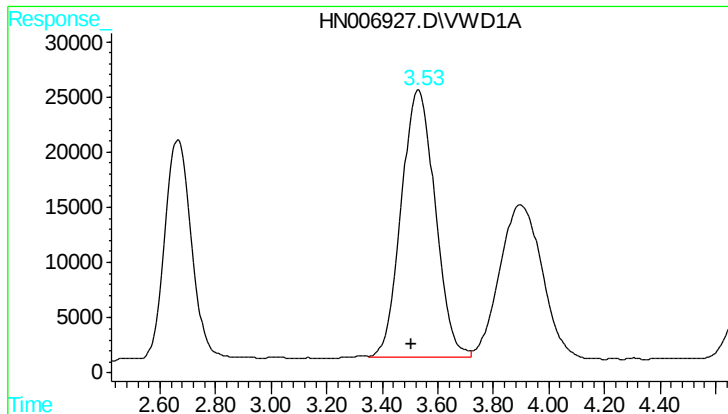
#3 RDX

R.T.: 1.679 min  
Delta R.T.: 0.000 min  
Response: 653194  
Conc: 127.69 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 2.664 min  
Delta R.T.: 0.017 min  
Response: 1305246  
Conc: 127.51 ug/L



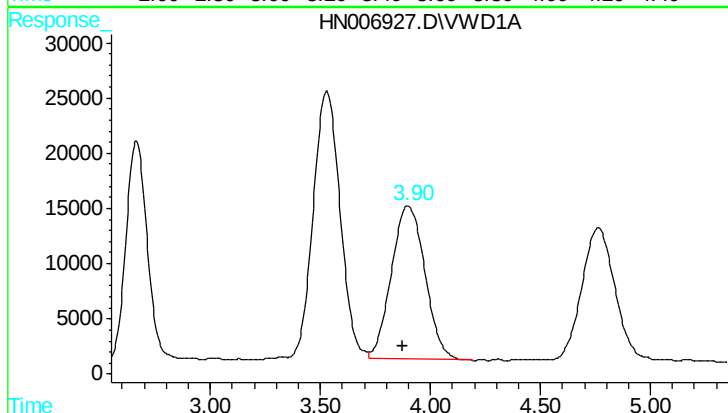
#5 1,3-Dinitrobenzene

R.T.: 3.530 min  
Delta R.T.: 0.024 min  
Response: 2050907  
Conc: 129.79 ng/ml

Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

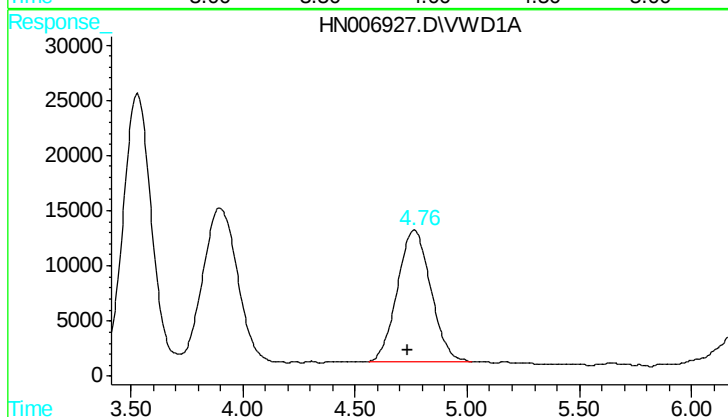
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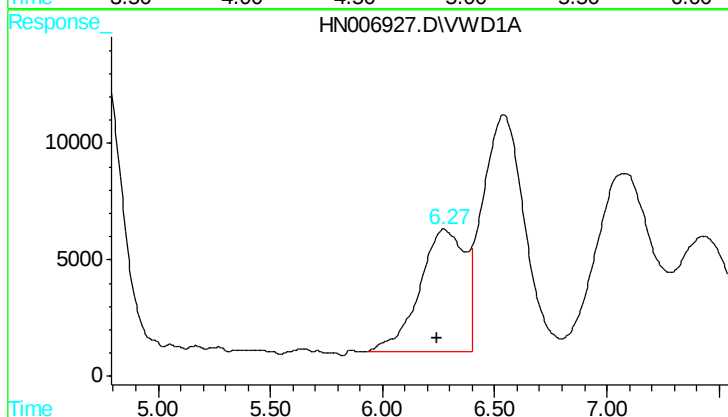
#6 3,5-Dinitroaniline

R.T.: 3.898 min  
Delta R.T.: 0.024 min  
Response: 1482181  
Conc: 132.17 ug/L



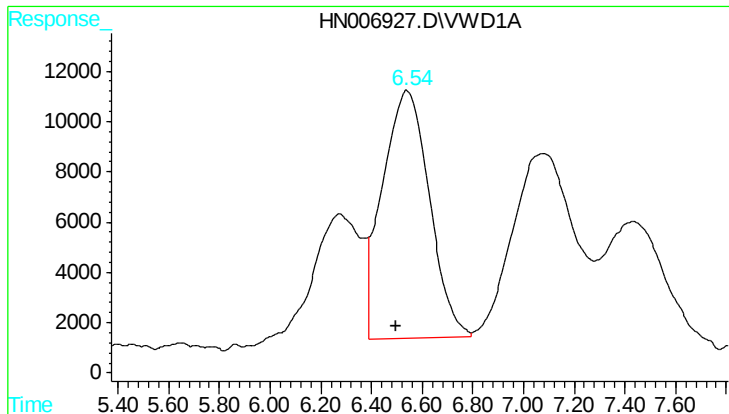
#7 Nitrobenzene

R.T.: 4.762 min  
Delta R.T.: 0.025 min  
Response: 1241226  
Conc: 130.31 ug/L m



#8 Tetryl

R.T.: 6.270 min  
Delta R.T.: 0.026 min  
Response: 754289  
Conc: 153.12 ug/L m



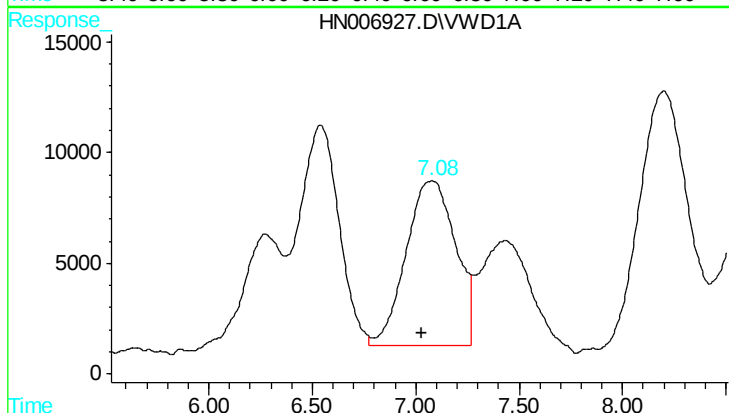
#9 2,4,6-Trinitrotoluene

R.T.: 6.537 min  
Delta R.T.: 0.042 min  
Response: 1266587  
Conc: 124.91 ug/L m

Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

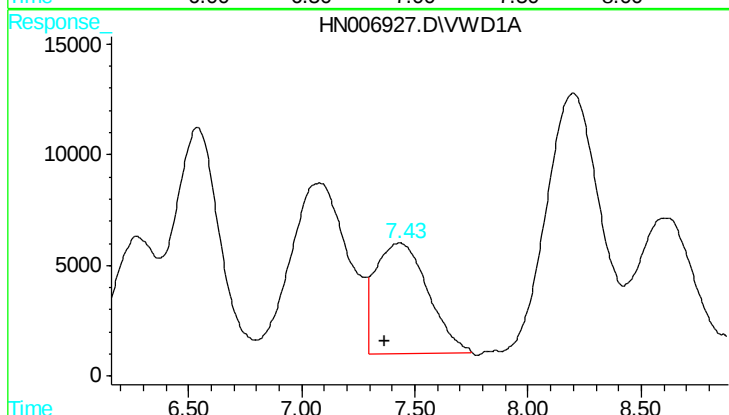
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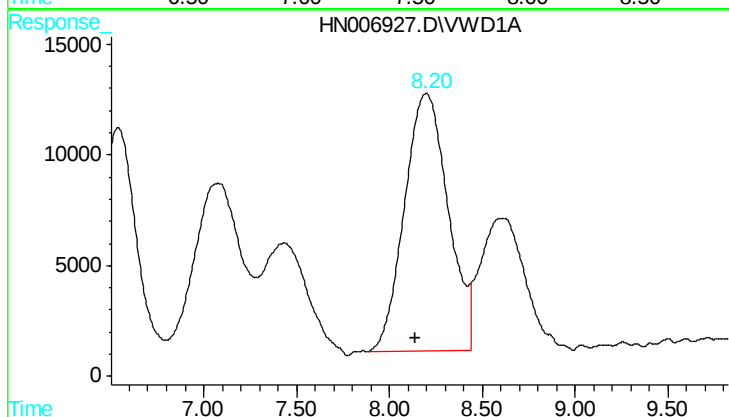
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.079 min  
Delta R.T.: 0.052 min  
Response: 1242639  
Conc: 111.03 ug/L m



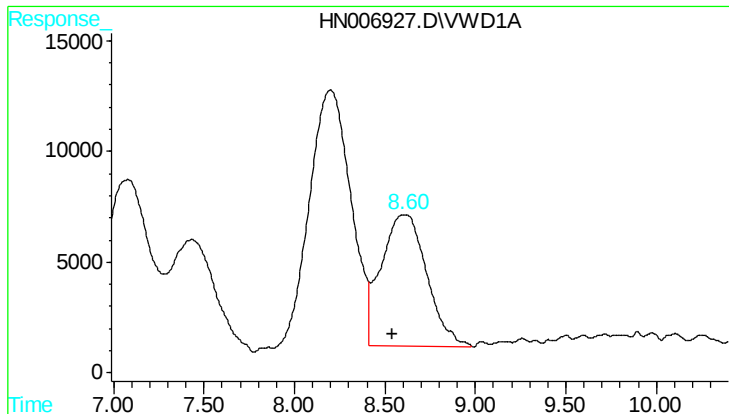
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.434 min  
Delta R.T.: 0.064 min  
Response: 803488  
Conc: 141.59 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.198 min  
Delta R.T.: 0.058 min  
Response: 1910502  
Conc: 128.83 ug/L m



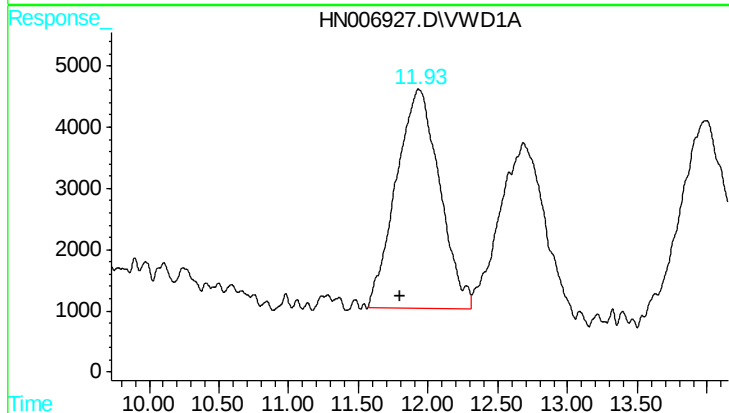
#13 2,6-Dinitrotoluene

R.T.: 8.600 min  
Delta R.T.: 0.059 min  
Response: 1046294  
Conc: 130.50 ug/L m

Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

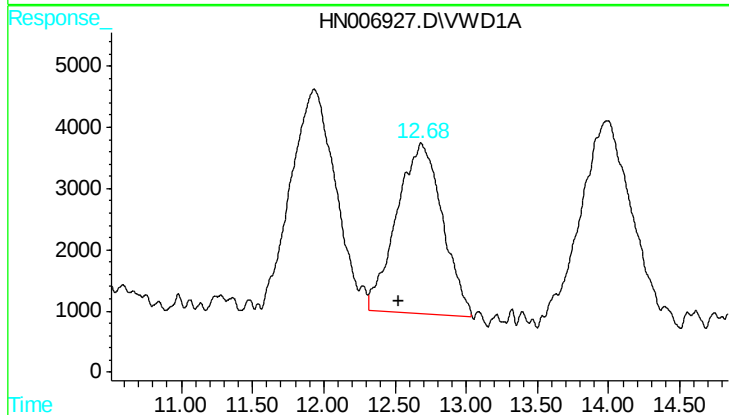
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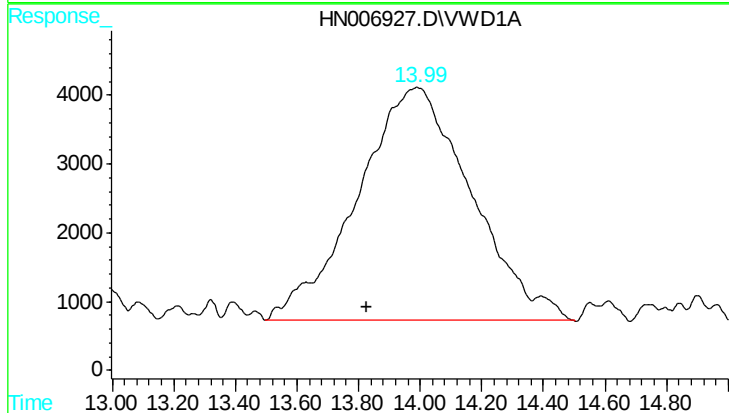
#14 2-Nitrotoluene

R.T.: 11.930 min  
Delta R.T.: 0.135 min  
Response: 774575  
Conc: 122.39 ug/L m



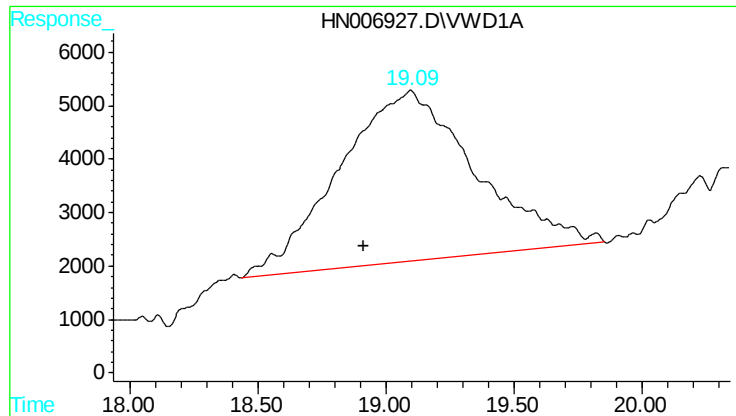
#15 4-Nitrotoluene

R.T.: 12.682 min  
Delta R.T.: 0.159 min  
Response: 623571  
Conc: 122.59 ug/L m



#16 3-Nitrotoluene

R.T.: 13.991 min  
Delta R.T.: 0.164 min  
Response: 864568  
Conc: 127.78 ug/L m



#17 PETN

R.T.: 19.094 min  
Delta R.T.: 0.179 min  
Response: 1177674  
Conc: 140.38 ug/L m

Instrument :  
HPLC\_N  
ClientSampleId :  
PB79844BS

Manual Integrations  
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