

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006910.D\VWD1A.CH Vial: 30
 Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006910.D\VWD1A.CH
 Acq On : 01-Nov-2014, 00:22 Operator: TP
 Sample : F4372-03MSD Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 2 2:13 2014 Quant Results File: HN103114.RES

Instrument :
 HPLC_N
 ClientSampleId :
 YS19-SD01-1014MSD

Manual Integrations
 APPROVED

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 11/14/2014 10:32:59 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	1.29	516100	141.971 ug/L m
Target Compounds			
2) T HMX	0.87	534375	122.556 ug/L m
3) T RDX	1.69	616237	120.467 ug/L
4) T 1,3,5-Trinitrobenzene	2.65	801224	78.274 ug/L
5) T 1,3-Dinitrobenzene	3.51	1573795	99.594 ng/ml
6) T 3,5-Dinitroaniline	3.87	1300917	116.007 ug/L
7) T Nitrobenzene	4.74	1048433	110.071 ug/L m
8) T Tetryl	6.23	314077	63.758 ug/L m
9) T 2,4,6-Trinitrotoluene	6.51	1467748	144.746 ug/L
10) T 2-Amino-4,6-dinitrotoluene	7.02	1231380	110.021 ug/L m
11) T 4-Amino-2,6-dinitrotoluene	7.39	881081	155.268 ug/L m
12) T 2,4-Dinitrotoluene	8.16	1489704	100.451 ug/L m
13) T 2,6-Dinitrotoluene	8.57	843444	105.201 ug/L m
14) T 2-Nitrotoluene	11.90	667654	105.492 ug/L m
15) T 4-Nitrotoluene	12.62	513809	101.009 ug/L m
16) T 3-Nitrotoluene	13.88	744243	109.993 ug/L m
17) T PETN	18.97	840513	100.188 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.

HN006910.D HN103114.M Sat Nov 08 04:39:22 2014

Quantitation Report

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006910.D\VWD1A.CH Vial: 30
 Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006910.D\VWD1A.CH
 Acq On : 01-Nov-2014, 00:22 Operator: TP
 Sample : F4372-03MSD Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 2 2:13 2014 Quant Results File: HN103114.RES

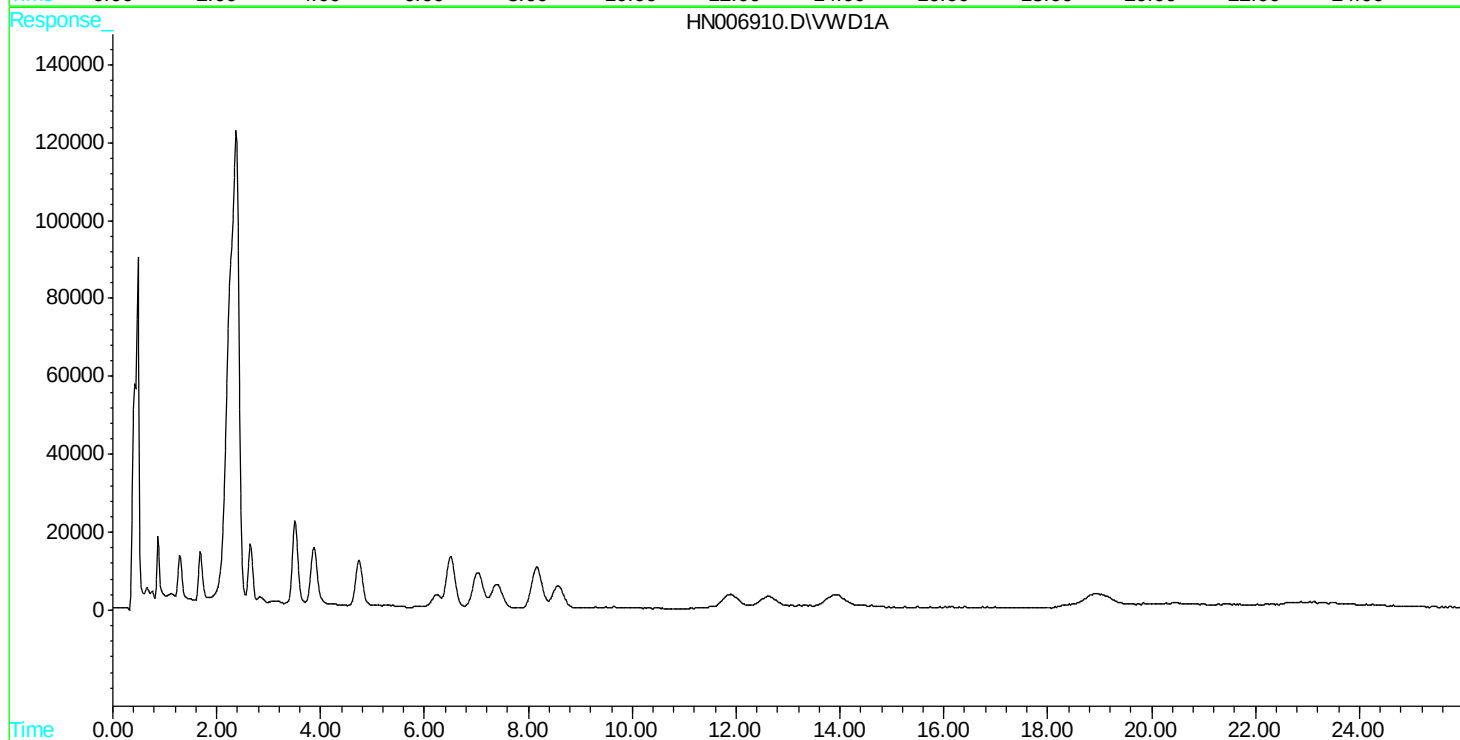
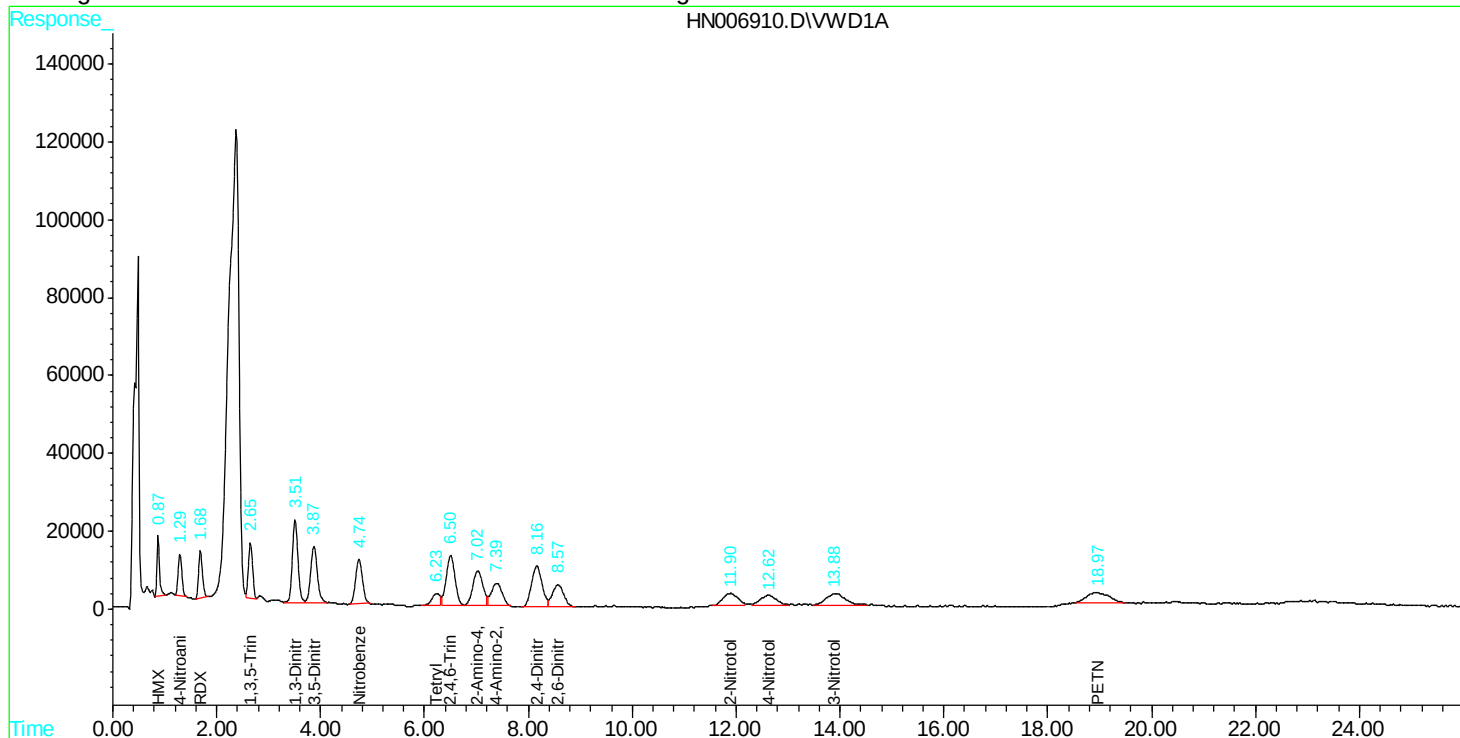
Instrument :
 HPLC_N
 ClientSampleId :
 YS19-SD01-1014MSD

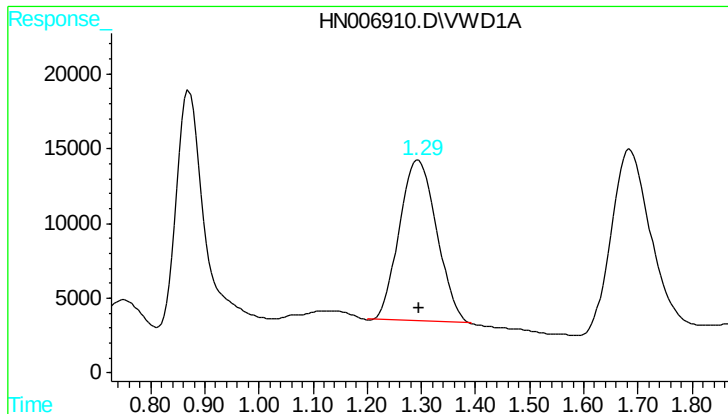
Manual Integrations
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Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN103114.M
 Title :
 Last Update : Sat Nov 01 07:07:53 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330AGIP.M

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 :





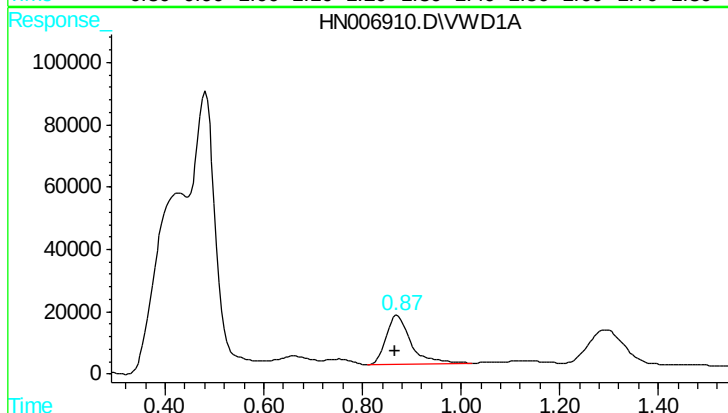
#1 4-Nitroaniline

R.T.: 1.292 min
Delta R.T.: -0.004 min
Response: 516100
Conc: 141.97 ug/L m

Instrument :
HPLC_N
ClientSampleId :
YS19-SD01-1014MSD

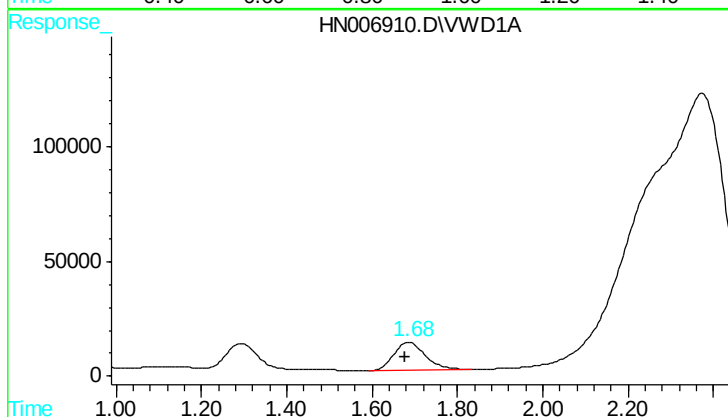
Manual Integrations
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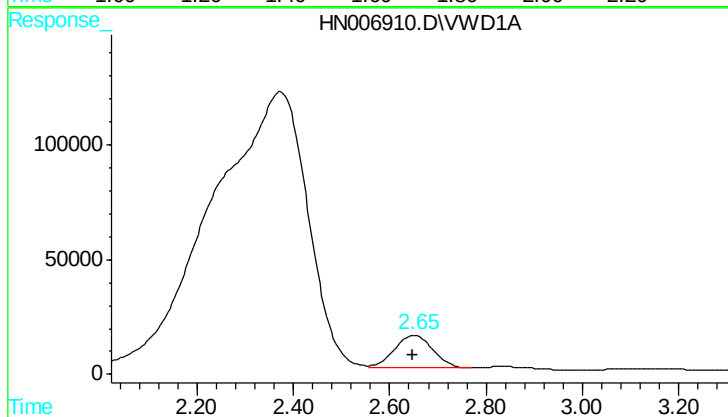
#2 HMX

R.T.: 0.869 min
Delta R.T.: 0.003 min
Response: 534375
Conc: 122.56 ug/L m



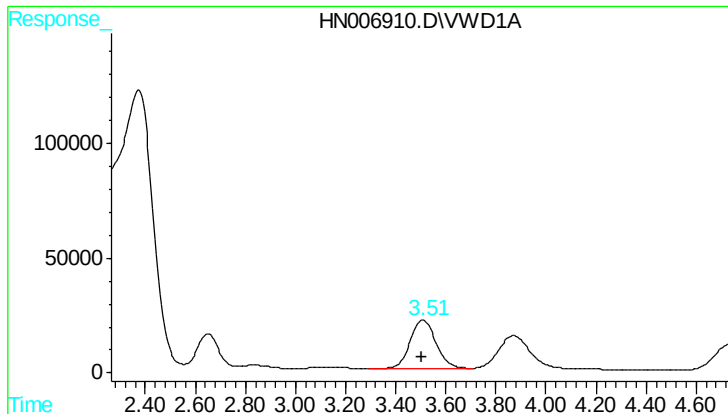
#3 RDX

R.T.: 1.686 min
Delta R.T.: 0.008 min
Response: 616237
Conc: 120.47 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 2.650 min
Delta R.T.: 0.003 min
Response: 801224
Conc: 78.27 ug/L



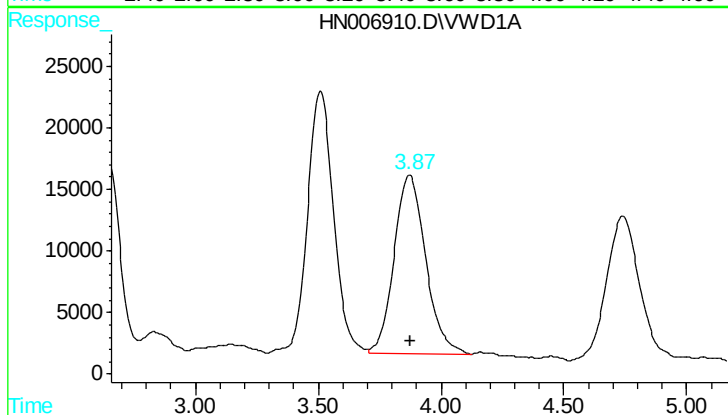
#5 1,3-Dinitrobenzene

R.T.: 3.509 min
Delta R.T.: 0.003 min
Response: 1573795
Conc: 99.59 ng/ml

Instrument :
HPLC_N
ClientSampleId :
YS19-SD01-1014MSD

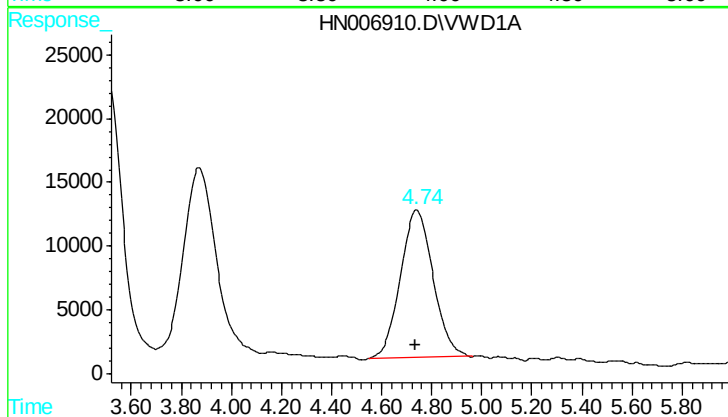
Manual Integrations
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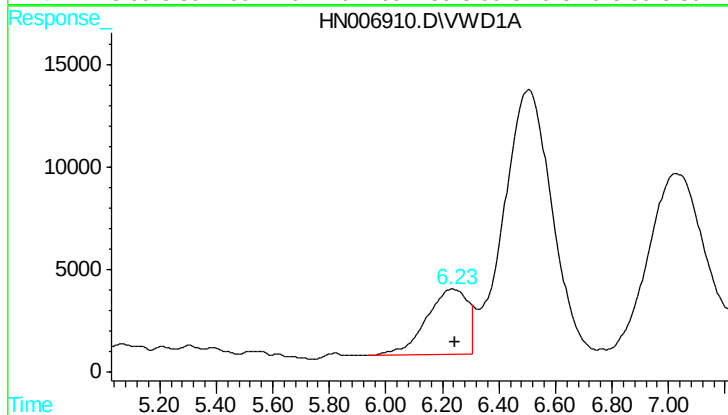
#6 3,5-Dinitroaniline

R.T.: 3.872 min
Delta R.T.: -0.002 min
Response: 1300917
Conc: 116.01 ug/L



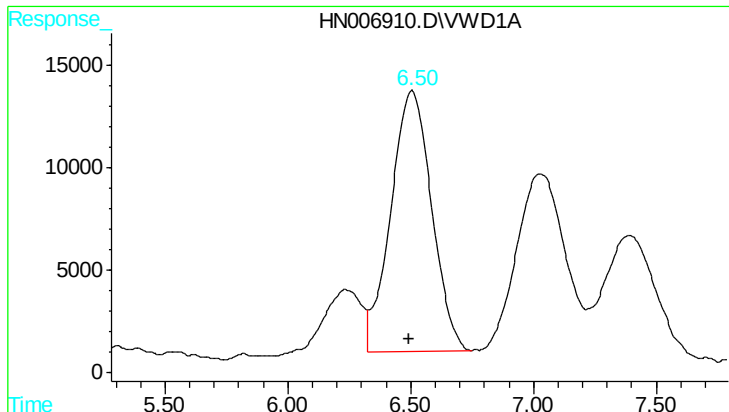
#7 Nitrobenzene

R.T.: 4.739 min
Delta R.T.: 0.002 min
Response: 1048433
Conc: 110.07 ug/L m



#8 Tetryl

R.T.: 6.233 min
Delta R.T.: -0.011 min
Response: 314077
Conc: 63.76 ug/L m



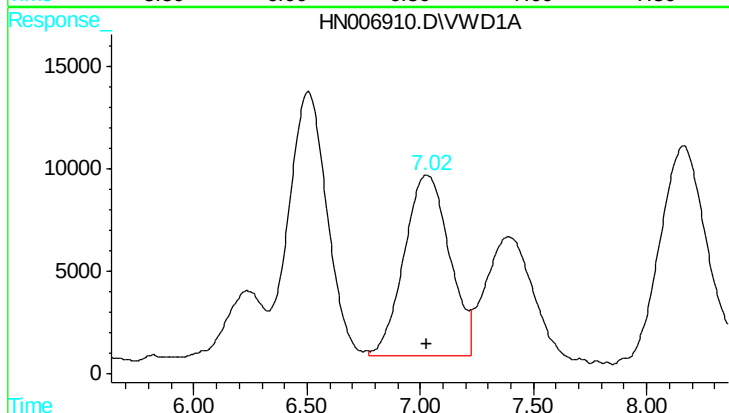
#9 2,4,6-Trinitrotoluene

R.T.: 6.505 min
Delta R.T.: 0.010 min
Response: 1467748
Conc: 144.75 ug/L

Instrument :
HPLC_N
ClientSampleId :
YS19-SD01-1014MSD

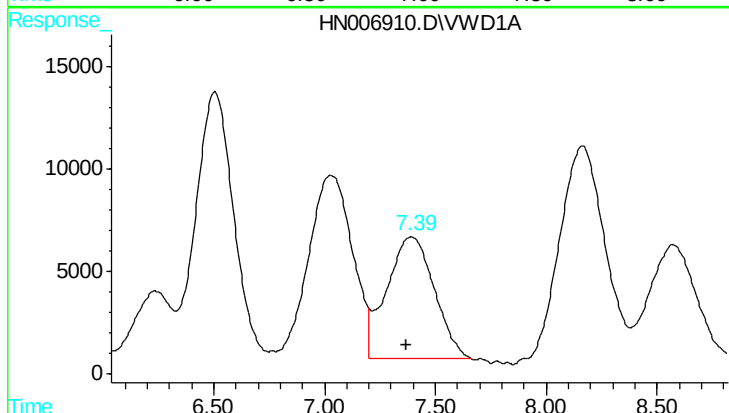
Manual Integrations
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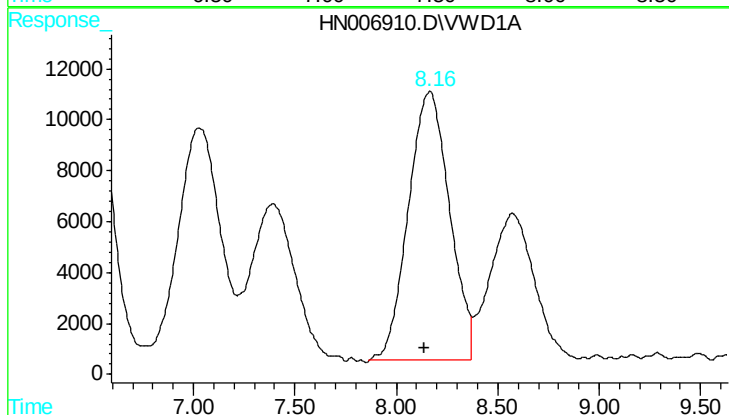
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.025 min
Delta R.T.: -0.002 min
Response: 1231380
Conc: 110.02 ug/L m



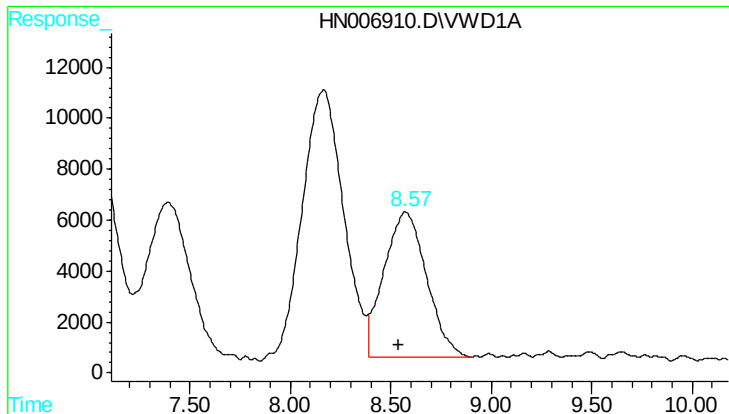
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.389 min
Delta R.T.: 0.020 min
Response: 881081
Conc: 155.27 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.165 min
Delta R.T.: 0.025 min
Response: 1489704
Conc: 100.45 ug/L m



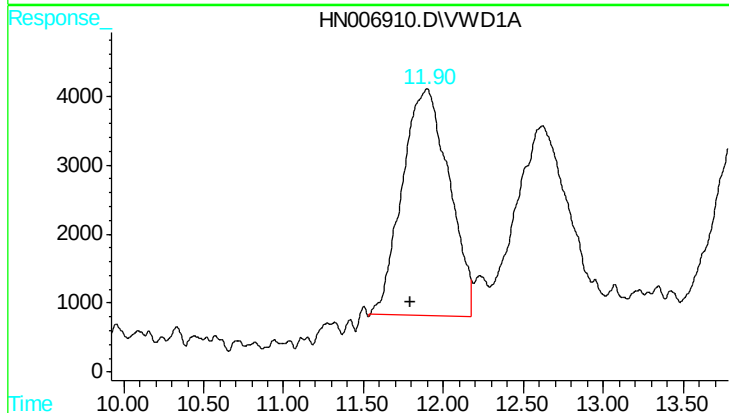
#13 2,6-Dinitrotoluene

R.T.: 8.569 min
Delta R.T.: 0.028 min
Response: 843444
Conc: 105.20 ug/L m

Instrument :
HPLC_N
ClientSampleId :
YS19-SD01-1014MSD

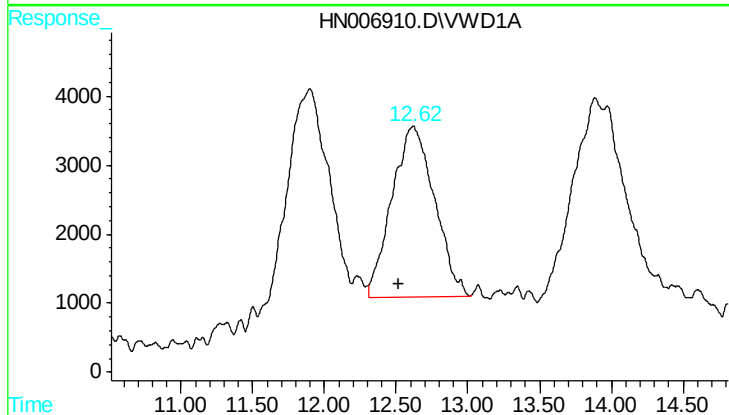
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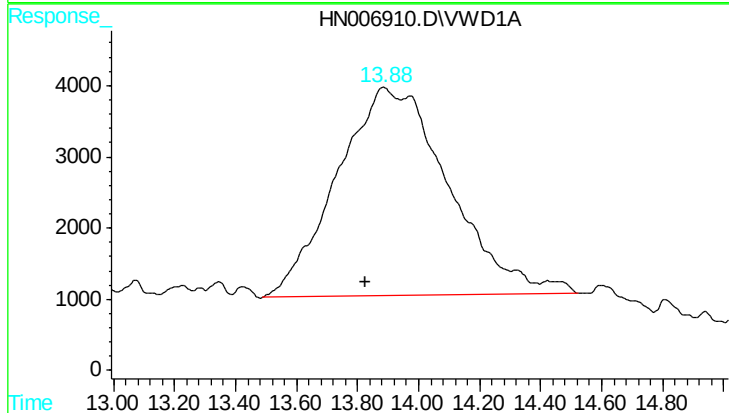
#14 2-Nitrotoluene

R.T.: 11.897 min
Delta R.T.: 0.101 min
Response: 667654
Conc: 105.49 ug/L m



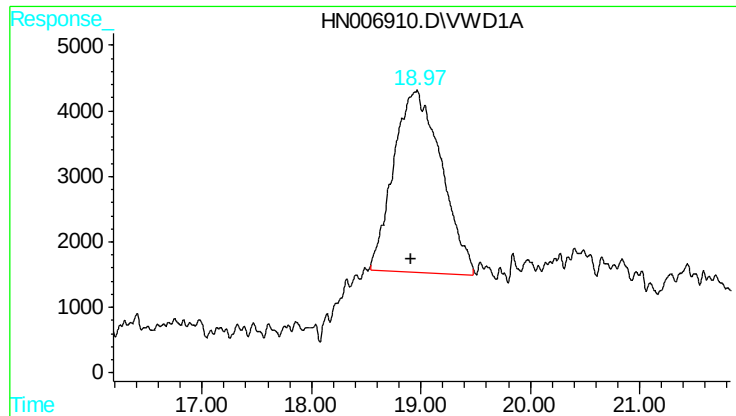
#15 4-Nitrotoluene

R.T.: 12.619 min
Delta R.T.: 0.096 min
Response: 513809
Conc: 101.01 ug/L m



#16 3-Nitrotoluene

R.T.: 13.883 min
Delta R.T.: 0.056 min
Response: 744243
Conc: 109.99 ug/L m



#17 PETN

R.T.: 18.968 min
Delta R.T.: 0.053 min
Response: 840513
Conc: 100.19 ug/L m

Instrument :
HPLC_N
ClientSampleId :
YS19-SD01-1014MSD

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