

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN102314\HN006528.D\VWD1A.CH Vial: 49
 Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN102314\HN006528.D\VWD1A.CH
 Acq On : 24-Oct-2014, 05:25 Operator: HNP
 Sample : PB79702BS Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Oct 27 3:09 2014 Quant Results File: HN100214.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PB79702BS

Manual Integrations
 APPROVED

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Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN100214.M
 Title :
 Last Update : Mon Oct 27 03:28:26 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	561520	141.280 ug/L m
Target Compounds			
2) T HMX	0.87	522179	107.968 ug/L m
3) T RDX	1.69	676326	123.360 ug/L m
4) T 1,3,5-Trinitrobenzene	2.66	1318006	122.897 ug/L
5) T 1,3-Dinitrobenzene	3.53	2128583	129.996 ng/mlm
6) T 3,5-Dinitroaniline	3.89	1539361	132.102 ug/L m
7) T Nitrobenzene	4.77	1275593	127.293 ug/L m
8) T Tetryl	6.29	709973	111.348 ug/L m
9) T 2,4,6-Trinitrotoluene	6.56	1376172	128.171 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	7.06	1490480	128.718 ug/L m
11) T 4-Amino-2,6-dinitrotoluene	7.41	872010	142.879 ug/L m
12) T 2,4-Dinitrotoluene	8.21	2008904	130.470 ug/L m
13) T 2,6-Dinitrotoluene	8.63	1082343	127.700 ug/L m
14) T 2-Nitrotoluene	11.96	864328	129.056 ug/L m
15) T 4-Nitrotoluene	12.71	588750	107.553 ug/L m
16) T 3-Nitrotoluene	13.98	1022196	146.831 ug/L m
17) T PETN	19.18	1237422	150.349 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.

HN006528.D HN100214.M Sat Nov 08 00:23:56 2014

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN102314\HN006528.D\VWD1A.CH Vial: 49
Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN102314\HN006528.D\VWD1A.CH
Acq On : 24-Oct-2014, 05:25 Operator: HNP
Sample : PB79702BS Inst : G1314A
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Oct 27 3:09 2014 Quant Results File: HN100214.RES

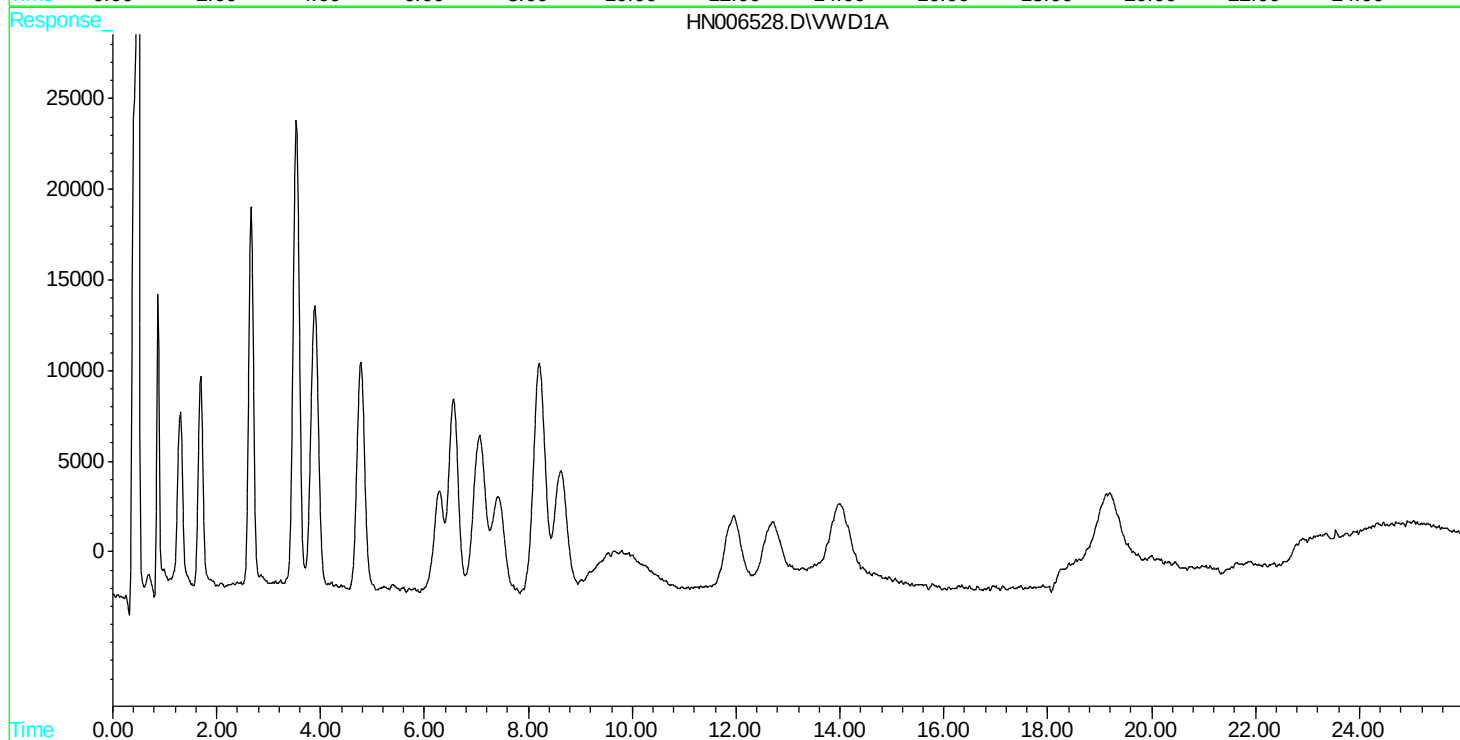
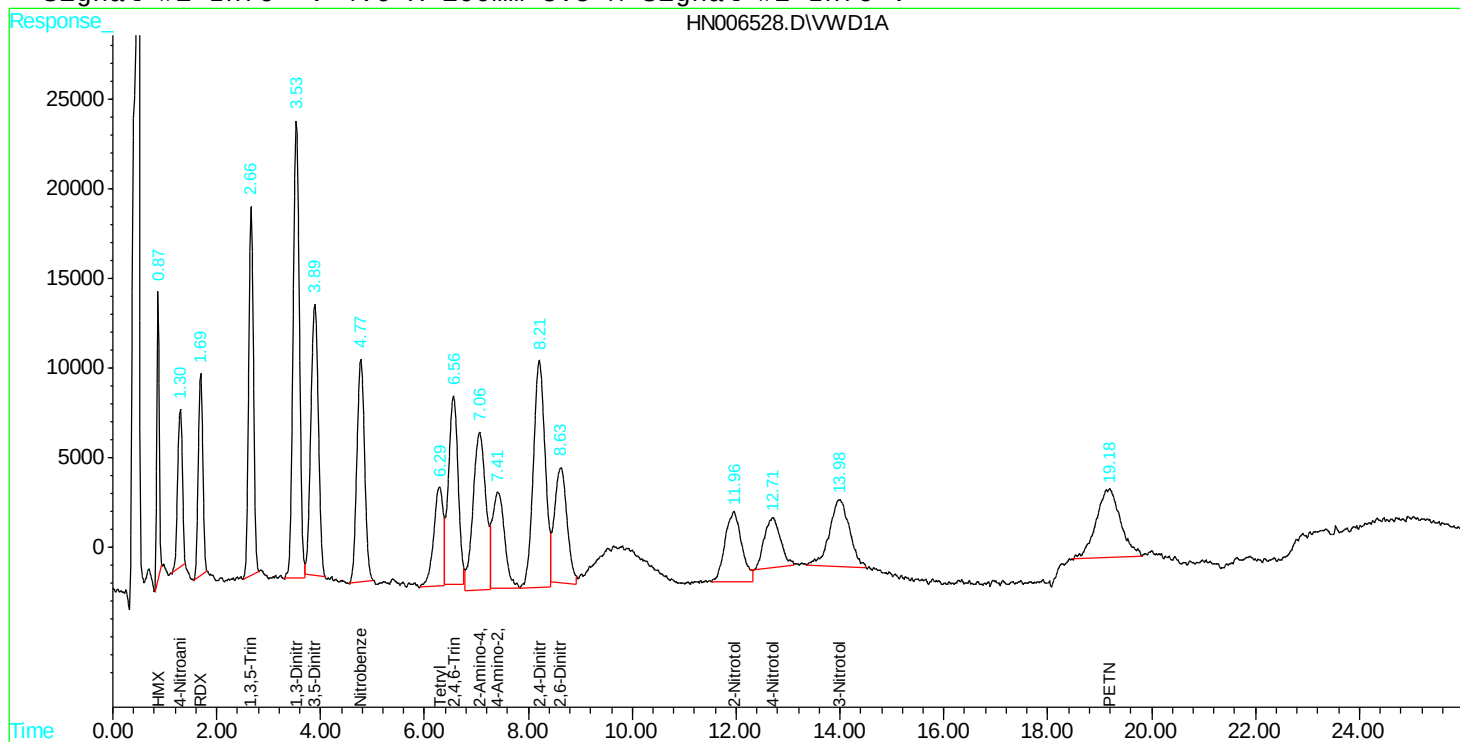
Instrument :
HPLC_N
ClientSampleId :
PB79702BS

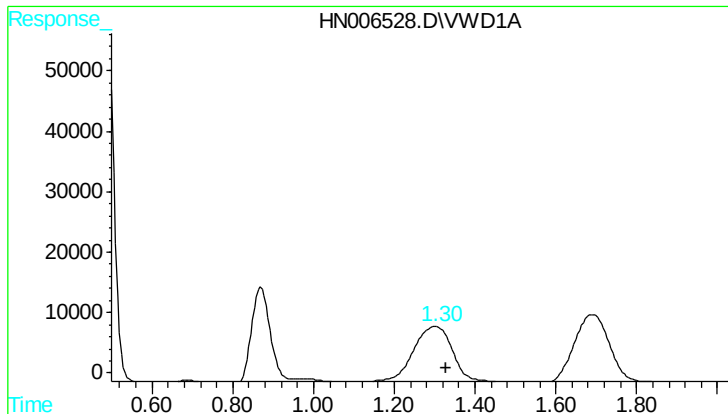
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Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN100214.M
Title :
Last Update : Mon Oct 27 03:28:26 2014
Response via : Multiple Level Calibration
DataAcq Meth : 8330AGIP.M

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 :





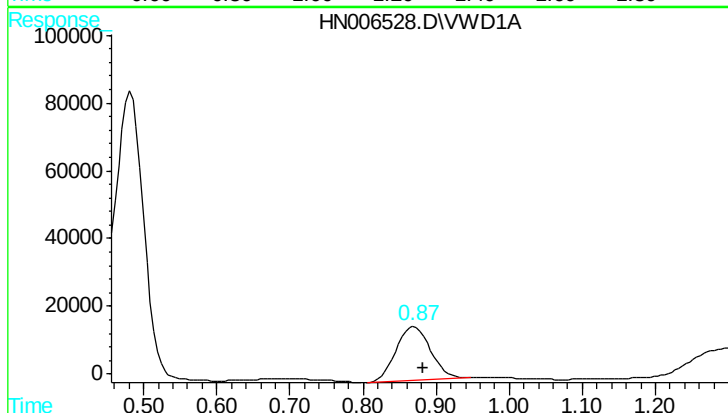
#1 4-Nitroaniline

R.T.: 1.302 min
Delta R.T.: -0.025 min
Response: 561520
Conc: 141.28 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79702BS

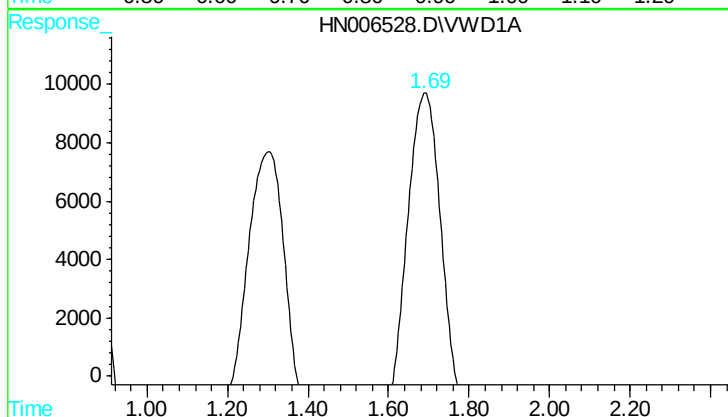
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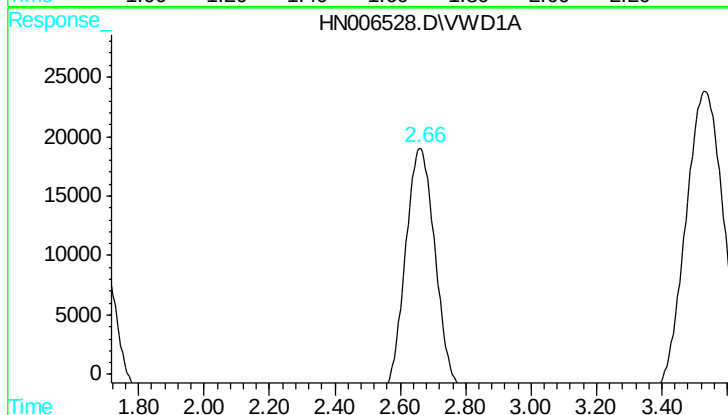
#2 HMX

R.T.: 0.868 min
Delta R.T.: -0.014 min
Response: 522179
Conc: 107.97 ug/L m



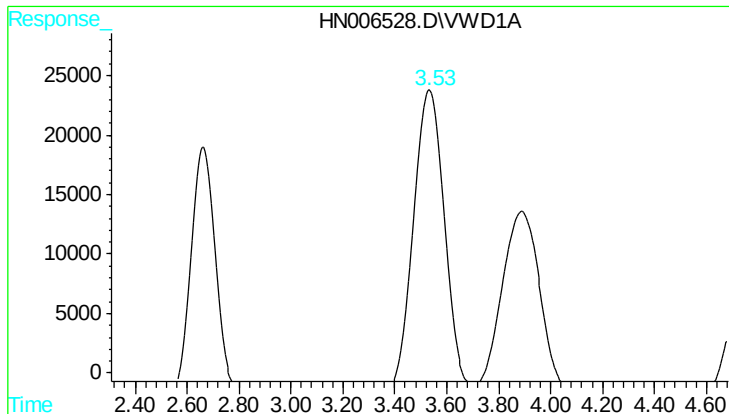
#3 RDX

R.T.: 1.690 min
Delta R.T.: -0.032 min
Response: 676326
Conc: 123.36 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 2.662 min
Delta R.T.: -0.047 min
Response: 1318006
Conc: 122.90 ug/L



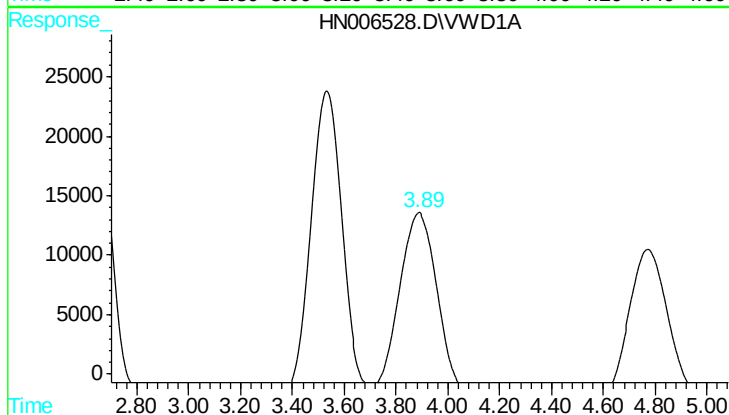
#5 1,3-Dinitrobenzene

R.T.: 3.532 min
Delta R.T.: -0.077 min
Response: 2128583
Conc: 130.00 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PB79702BS

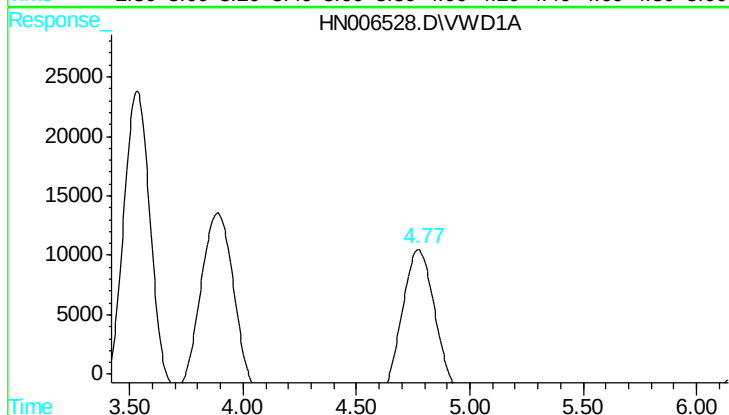
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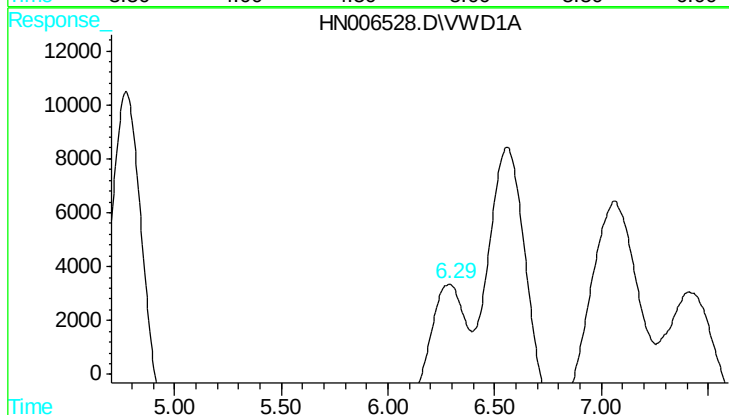
#6 3,5-Dinitroaniline

R.T.: 3.886 min
Delta R.T.: -0.098 min
Response: 1539361
Conc: 132.10 ug/L m



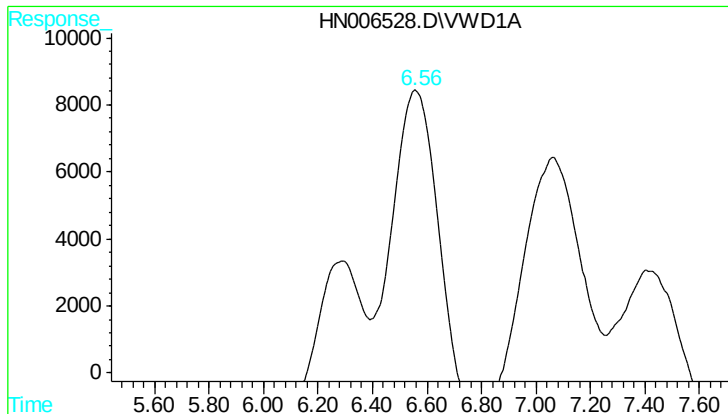
#7 Nitrobenzene

R.T.: 4.771 min
Delta R.T.: -0.112 min
Response: 1275593
Conc: 127.29 ug/L m



#8 Tetryl

R.T.: 6.289 min
Delta R.T.: -0.185 min
Response: 709973
Conc: 111.35 ug/L m



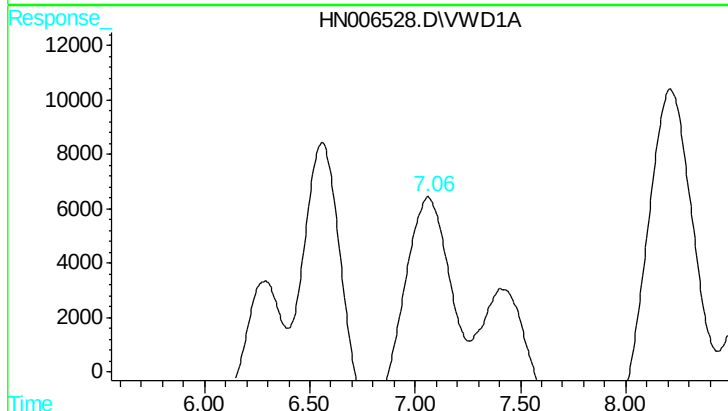
#9 2,4,6-Trinitrotoluene

R.T.: 6.558 min
Delta R.T.: -0.169 min
Response: 1376172
Conc: 128.17 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79702BS

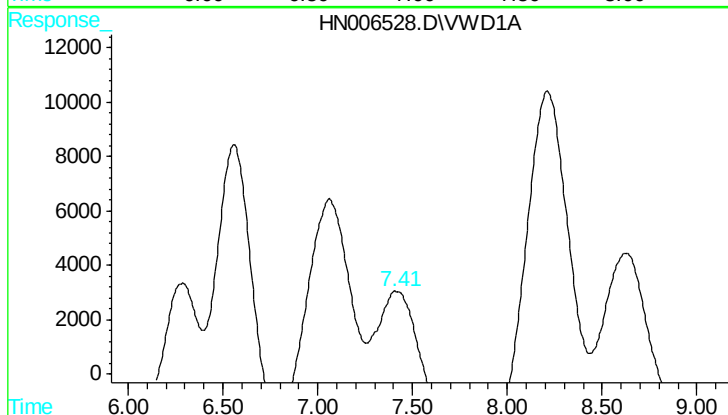
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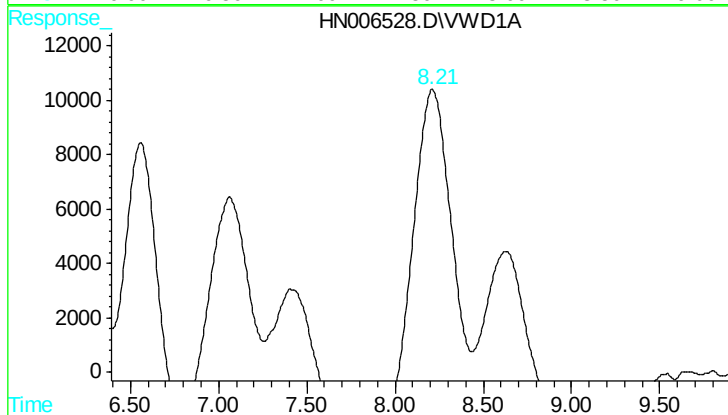
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.060 min
Delta R.T.: -0.202 min
Response: 1490480
Conc: 128.72 ug/L m



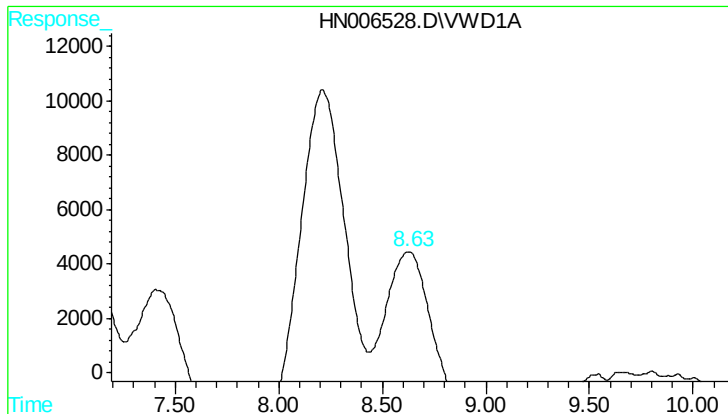
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.405 min
Delta R.T.: -0.229 min
Response: 872010
Conc: 142.88 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.209 min
Delta R.T.: -0.226 min
Response: 2008904
Conc: 130.47 ug/L m



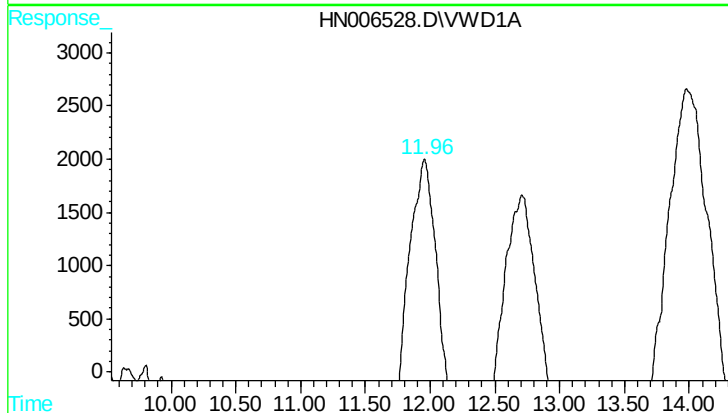
#13 2,6-Dinitrotoluene

R.T.: 8.625 min
Delta R.T.: -0.237 min
Response: 1082343
Conc: 127.70 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79702BS

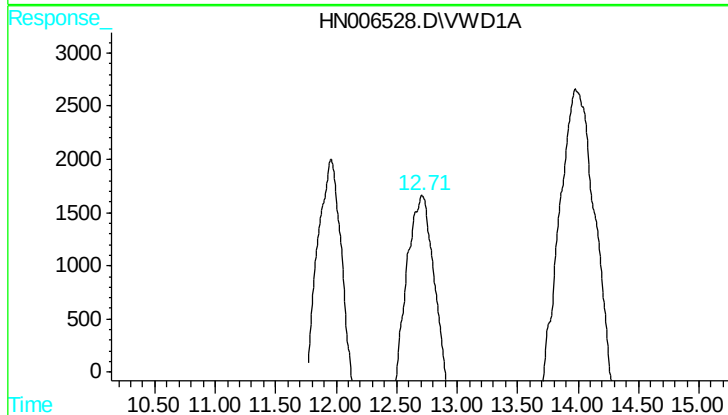
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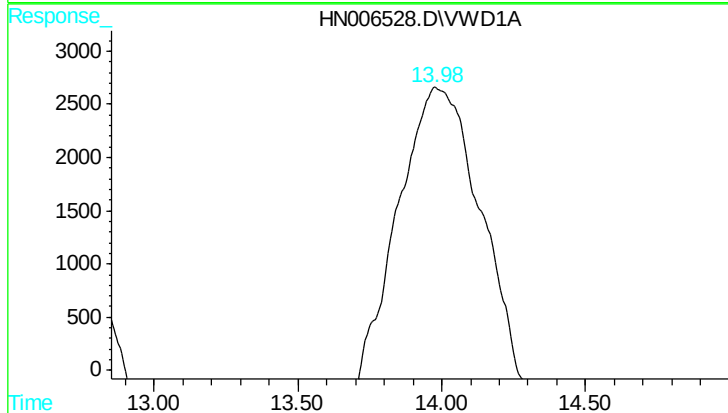
#14 2-Nitrotoluene

R.T.: 11.957 min
Delta R.T.: -0.324 min
Response: 864328
Conc: 129.06 ug/L m



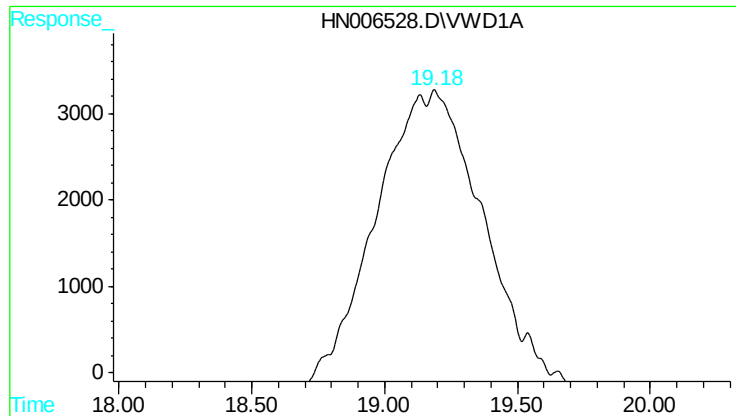
#15 4-Nitrotoluene

R.T.: 12.707 min
Delta R.T.: -0.337 min
Response: 588750
Conc: 107.55 ug/L m



#16 3-Nitrotoluene

R.T.: 13.976 min
Delta R.T.: -0.324 min
Response: 1022196
Conc: 146.83 ug/L m



#17 PETN

R.T.: 19.184 min
Delta R.T.: -0.518 min
Response: 1237422
Conc: 150.35 ug/L m

Instrument :
HPLC_N
ClientSampleId :
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