

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006958.D\VWD1A.CH Vial: 84
 Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006958.D\VWD1A.CH
 Acq On : 02-Nov-2014, 02:29 Operator: TP
 Sample : PB79844BS Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Nov 2 4:31 2014 Quant Results File: HN103114.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PB79844BS

Manual Integrations
 APPROVED

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 11/14/2014 10:36:43 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	645837	177.659 ug/L m
Target Compounds			
2) T HMX	0.87	601063	137.850 ug/L
3) T RDX	1.68	662758	129.562 ug/L m
4) T 1,3,5-Trinitrobenzene	2.66	1330820	130.011 ug/L
5) T 1,3-Dinitrobenzene	3.53	2056191	130.121 ng/ml
6) T 3,5-Dinitroaniline	3.90	1489657	132.838 ug/L
7) T Nitrobenzene	4.76	1215390	127.599 ug/L m
8) T Tetryl	6.28	675765	137.180 ug/L m
9) T 2,4,6-Trinitrotoluene	6.55	1301909	128.392 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	7.08	1280235	114.386 ug/L m
11) T 4-Amino-2,6-dinitrotoluene	7.45	847687	149.383 ug/L m
12) T 2,4-Dinitrotoluene	8.21	1878449	126.665 ug/L m
13) T 2,6-Dinitrotoluene	8.61	1132080	141.202 ug/L m
14) T 2-Nitrotoluene	11.94	783750	123.836 ug/L m
15) T 4-Nitrotoluene	12.71	612387	120.388 ug/L m
16) T 3-Nitrotoluene	14.03	817122	120.764 ug/L m
17) T PETN	19.08	1169801	139.438 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.

HN006958.D HN103114.M Sat Nov 08 04:53:03 2014

Signal #1 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006958.D\VWD1A.CH Vial: 84
Signal #2 : Z:\HPCHEM1\HPLC_N\DATA\HN103114\HN006958.D\VWD1A.CH
Acq On : 02-Nov-2014, 02:29 Operator: TP
Sample : PB79844BS Inst : G1314A
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 2 4:31 2014 Quant Results File: HN103114.RES

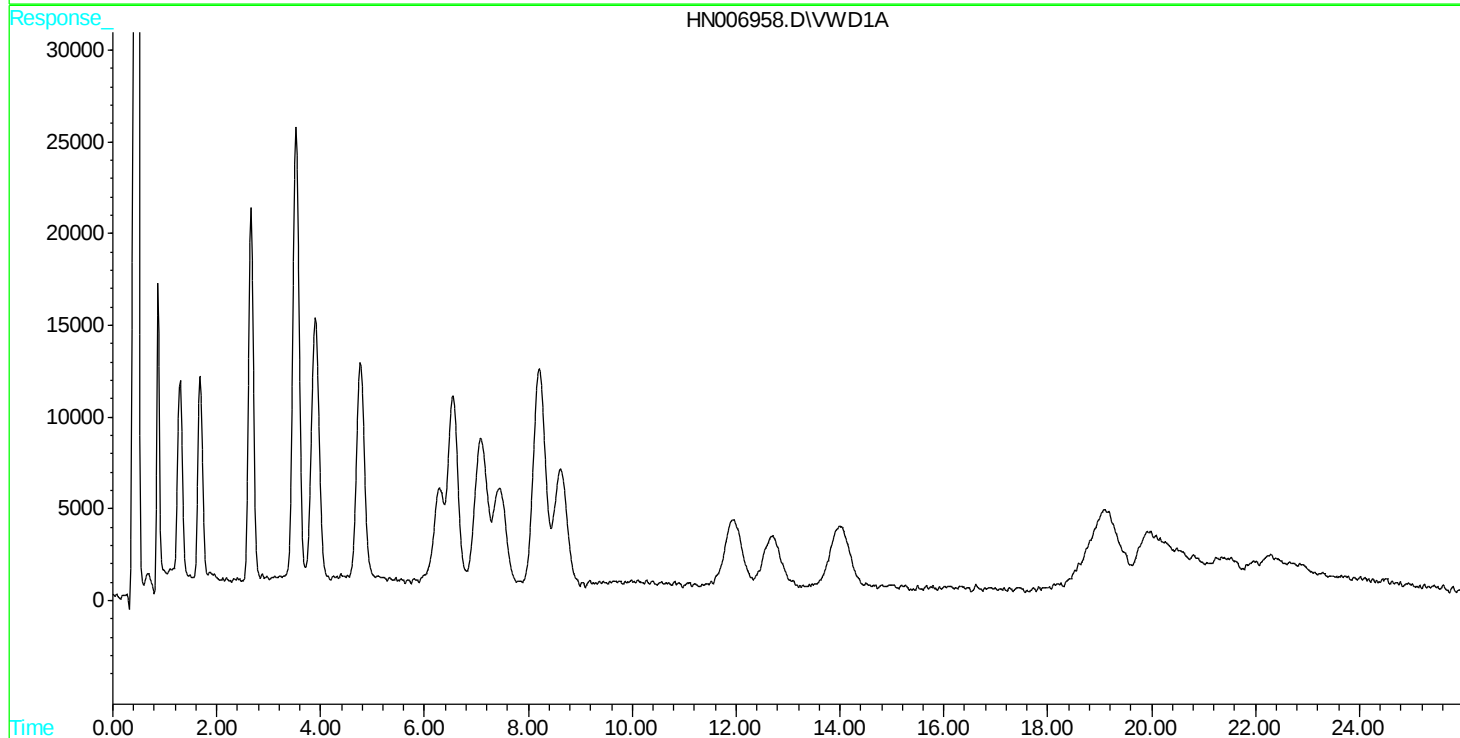
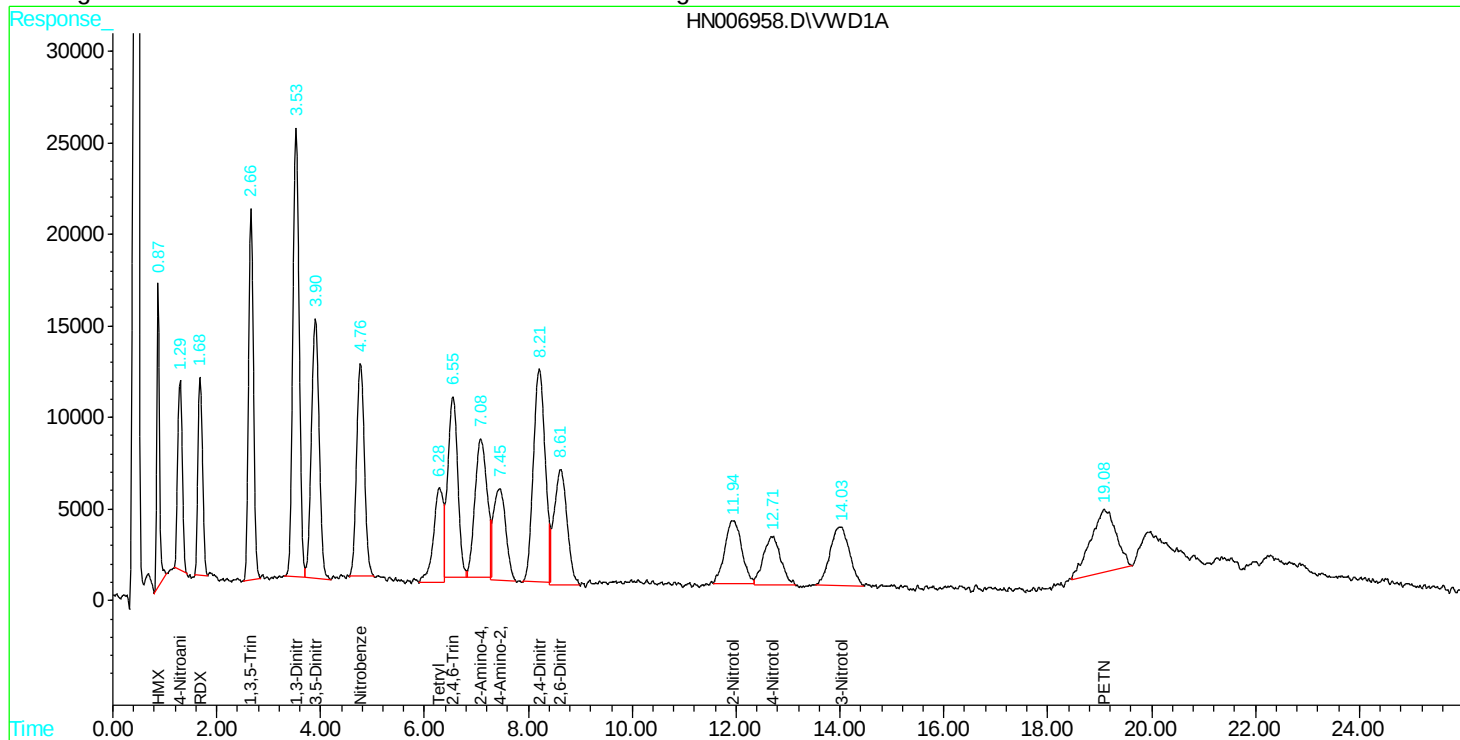
Instrument :
HPLC_N
ClientSampleId :
PB79844BS

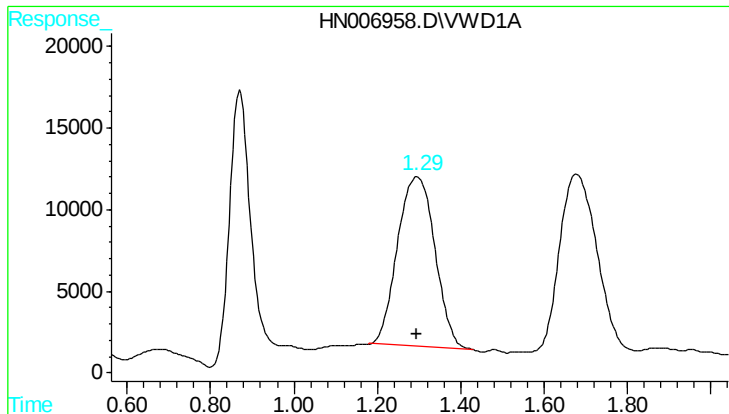
Manual Integrations
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Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN103114.M
Title :
Last Update : Sat Nov 01 07:07:53 2014
Response via : Multiple Level Calibration
DataAcq Meth : 8330AGIP.M

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 :





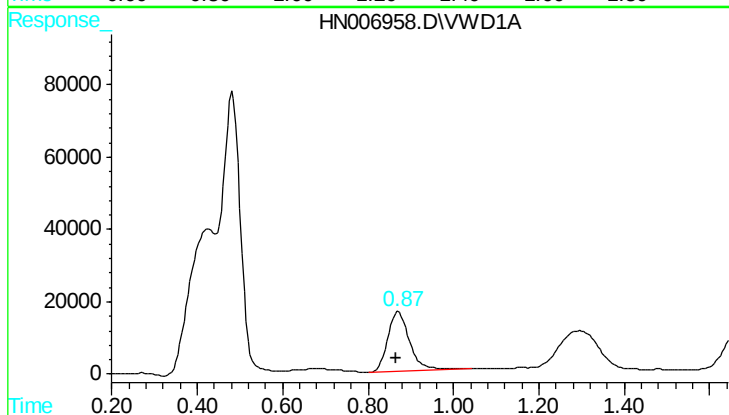
#1 4-Nitroaniline

R.T.: 1.295 min
Delta R.T.: 0.000 min
Response: 645837
Conc: 177.66 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79844BS

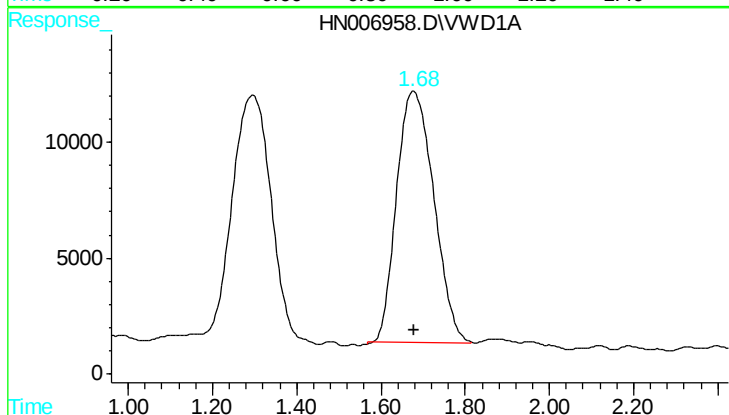
Manual Integrations
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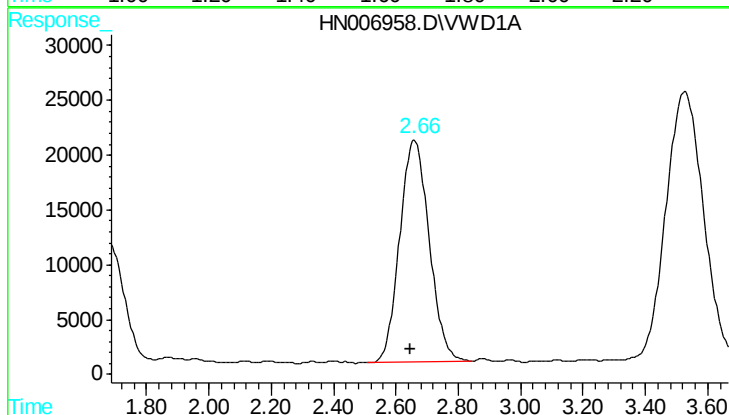
#2 HMX

R.T.: 0.871 min
Delta R.T.: 0.006 min
Response: 601063
Conc: 137.85 ug/L



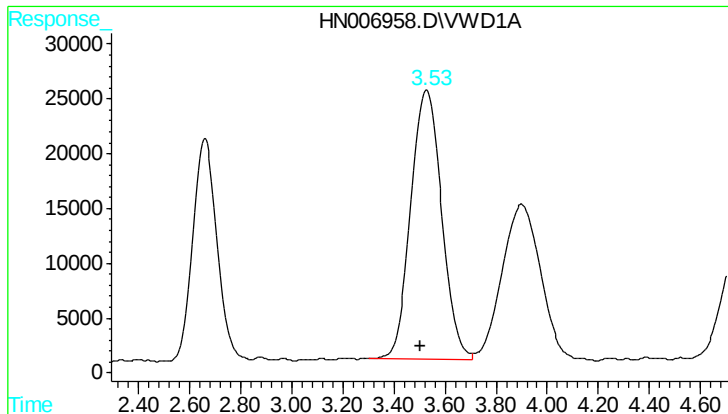
#3 RDX

R.T.: 1.676 min
Delta R.T.: -0.002 min
Response: 662758
Conc: 129.56 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 2.659 min
Delta R.T.: 0.012 min
Response: 1330820
Conc: 130.01 ug/L



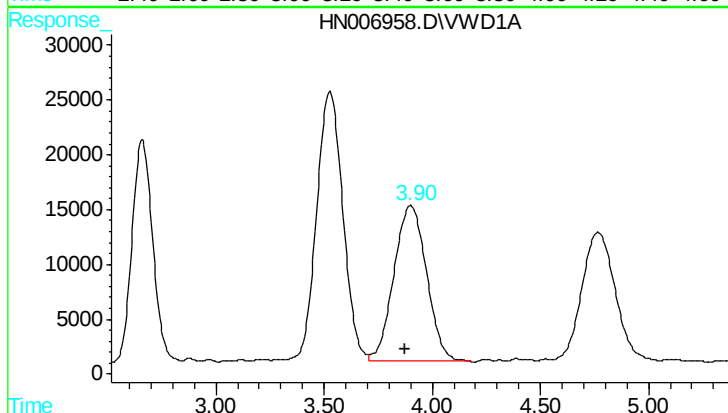
#5 1,3-Dinitrobenzene

R.T.: 3.527 min
Delta R.T.: 0.021 min
Response: 2056191
Conc: 130.12 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PB79844BS

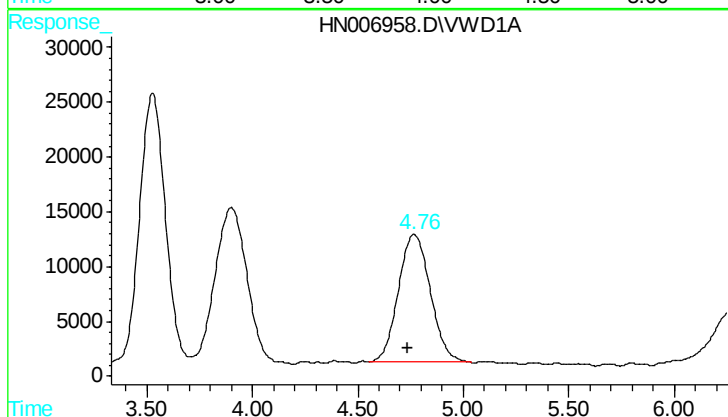
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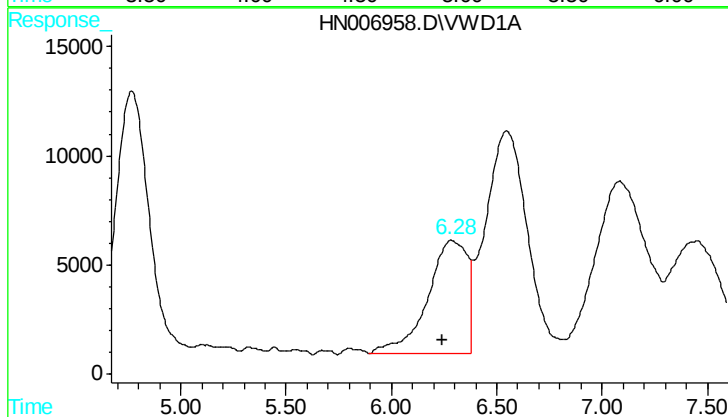
#6 3,5-Dinitroaniline

R.T.: 3.901 min
Delta R.T.: 0.027 min
Response: 1489657
Conc: 132.84 ug/L



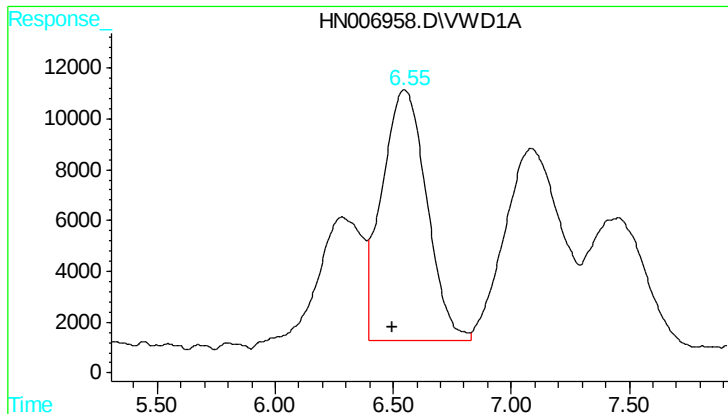
#7 Nitrobenzene

R.T.: 4.765 min
Delta R.T.: 0.027 min
Response: 1215390
Conc: 127.60 ug/L m



#8 Tetryl

R.T.: 6.281 min
Delta R.T.: 0.037 min
Response: 675765
Conc: 137.18 ug/L m



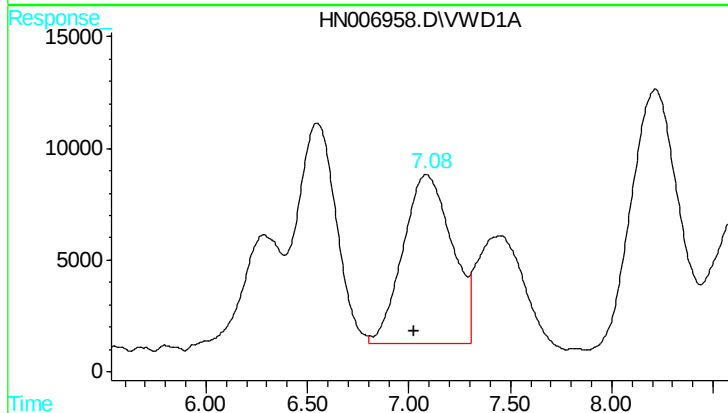
#9 2,4,6-Trinitrotoluene

R.T.: 6.546 min
Delta R.T.: 0.050 min
Response: 1301909
Conc: 128.39 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79844BS

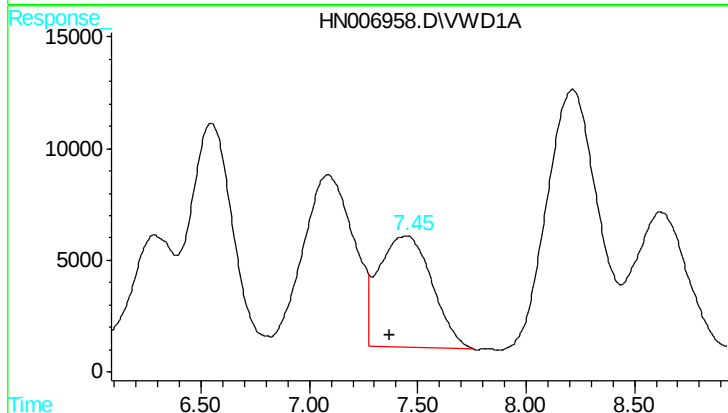
Manual Integrations
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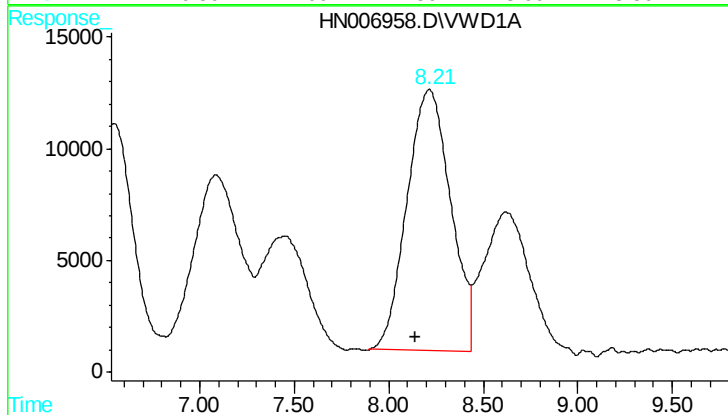
#10 2-Amino-4,6-dinitrotoluene

R.T.: 7.083 min
Delta R.T.: 0.056 min
Response: 1280235
Conc: 114.39 ug/L m



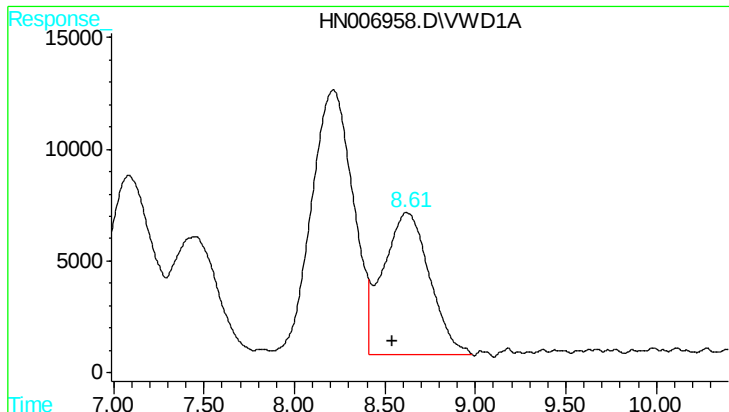
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.454 min
Delta R.T.: 0.085 min
Response: 847687
Conc: 149.38 ug/L m



#12 2,4-Dinitrotoluene

R.T.: 8.214 min
Delta R.T.: 0.075 min
Response: 1878449
Conc: 126.66 ug/L m



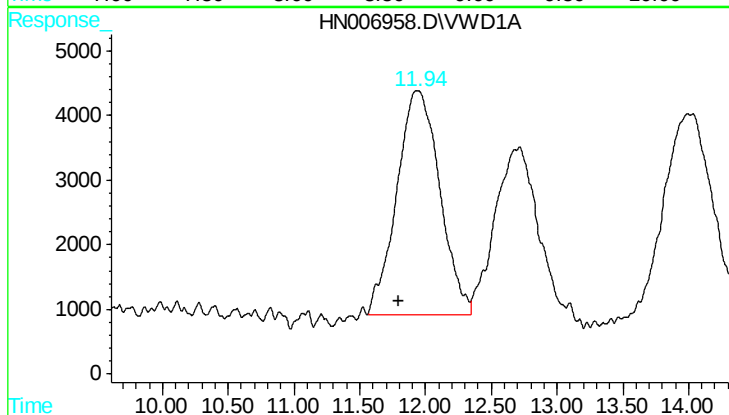
#13 2,6-Dinitrotoluene

R.T.: 8.614 min
 Delta R.T.: 0.074 min
 Response: 1132080
 Conc: 141.20 ug/L m

Instrument :
 HPLC_N
 ClientSampleId :
 PB79844BS

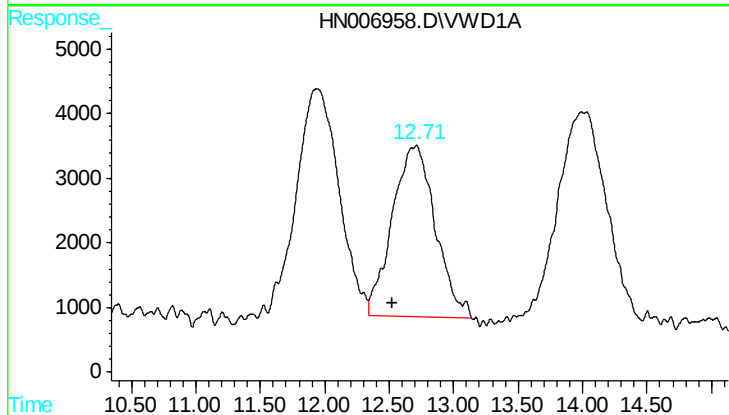
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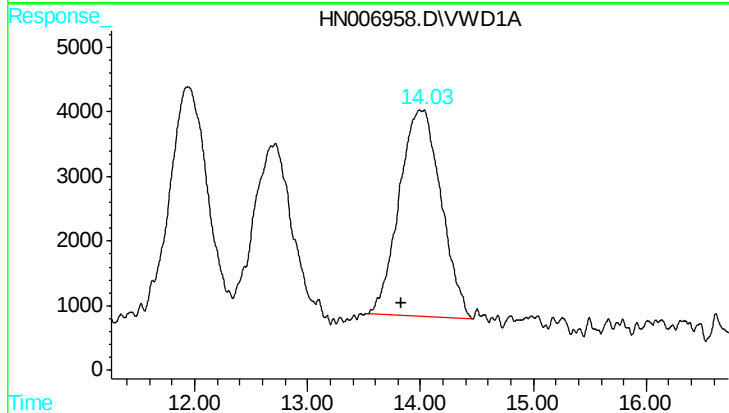
#14 2-Nitrotoluene

R.T.: 11.944 min
 Delta R.T.: 0.149 min
 Response: 783750
 Conc: 123.84 ug/L m



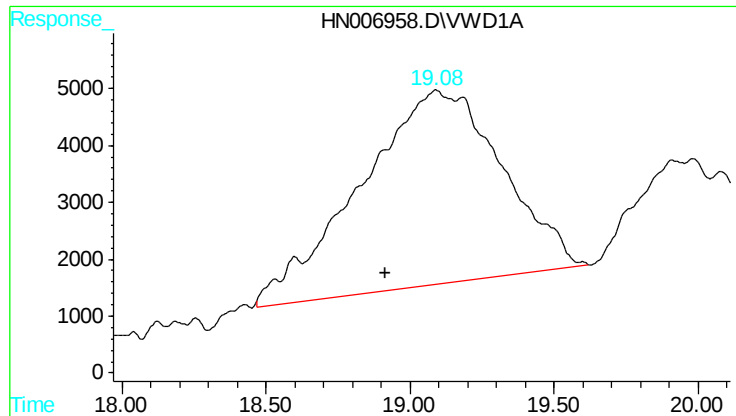
#15 4-Nitrotoluene

R.T.: 12.712 min
 Delta R.T.: 0.189 min
 Response: 612387
 Conc: 120.39 ug/L m



#16 3-Nitrotoluene

R.T.: 14.031 min
 Delta R.T.: 0.204 min
 Response: 817122
 Conc: 120.76 ug/L m



#17 PETN

R.T.: 19.085 min
Delta R.T.: 0.170 min
Response: 1169801
Conc: 139.44 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PB79844BS

Manual Integrations
APPROVED

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