

Signal #1 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006234.D\VWD1A.CH Vial:
 Signal #2 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006234.D\VWD1A.CH
 Acq On : 13-Aug-2014, 13:22 Operator: HNP
 Sample : F3388-01MSD Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Aug 13 18:51 2014 Quant Results File: HN071714.RES

Instrument :
 HPLC_N
 ClientSampleId :
 HF-OAT-S-01MSD

Manual Integrations
 APPROVED

TEJASKUMAR
 8/14/2014 6:05:51 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN071714.M
 Title :
 Last Update : Wed Aug 13 15:37:46 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	1.44	757128	171.907 ug/L m
Target Compounds			
2) T HMX	0.94	609651	120.302 ug/L m
3) T RDX	1.86	673490	120.309 ug/L
4) T 1,3,5-Trinitrobenzene	2.98	878062	79.542 ug/L
5) T 1,3-Dinitrobenzene	3.98	2348750	139.883 ng/ml
6) T 3,5-Dinitroaniline	4.40	2570267	190.731 ug/L
7) T Nitrobenzene	5.41	1271024	123.558 ug/L m
9) T 2,4,6-Trinitrotoluene	7.65	1080631	102.146 ug/L m
10) T 2-Amino-4,6-dinitrotoluene	8.23	1311608	115.049 ug/L m
11) T 4-Amino-2,6-dinitrotoluene	8.71	887490	128.056 ug/L m
12) T 2,4-Dinitrotoluene	9.58	2054816	129.660 ug/L m
13) T 2,6-Dinitrotoluene	10.11	1145054	134.230 ug/L m
14) T 2-Nitrotoluene	14.03	836994	121.631 ug/L m
15) T 4-Nitrotoluene	14.93	732020	131.987 ug/L m
16) T 3-Nitrotoluene	16.44	898147	125.688 ug/L m
17) T PETN	22.60	1045827	118.073 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.

HN006234.D HN071714.M

Fri Aug 15 18:11:58 2014

RPT1

Quantitation Report

Signal #1 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006234.D\VWD1A.CH Vial:
 Signal #2 : S:\HPCHEM1\HPLC_N\DATA\HN081314\HN006234.D\VWD1A.CH
 Acq On : 13-Aug-2014, 13:22 Operator: HNP
 Sample : F3388-01MSD Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
 Quant Time: Aug 13 18:51 2014 Quant Results File: HN071714.RES

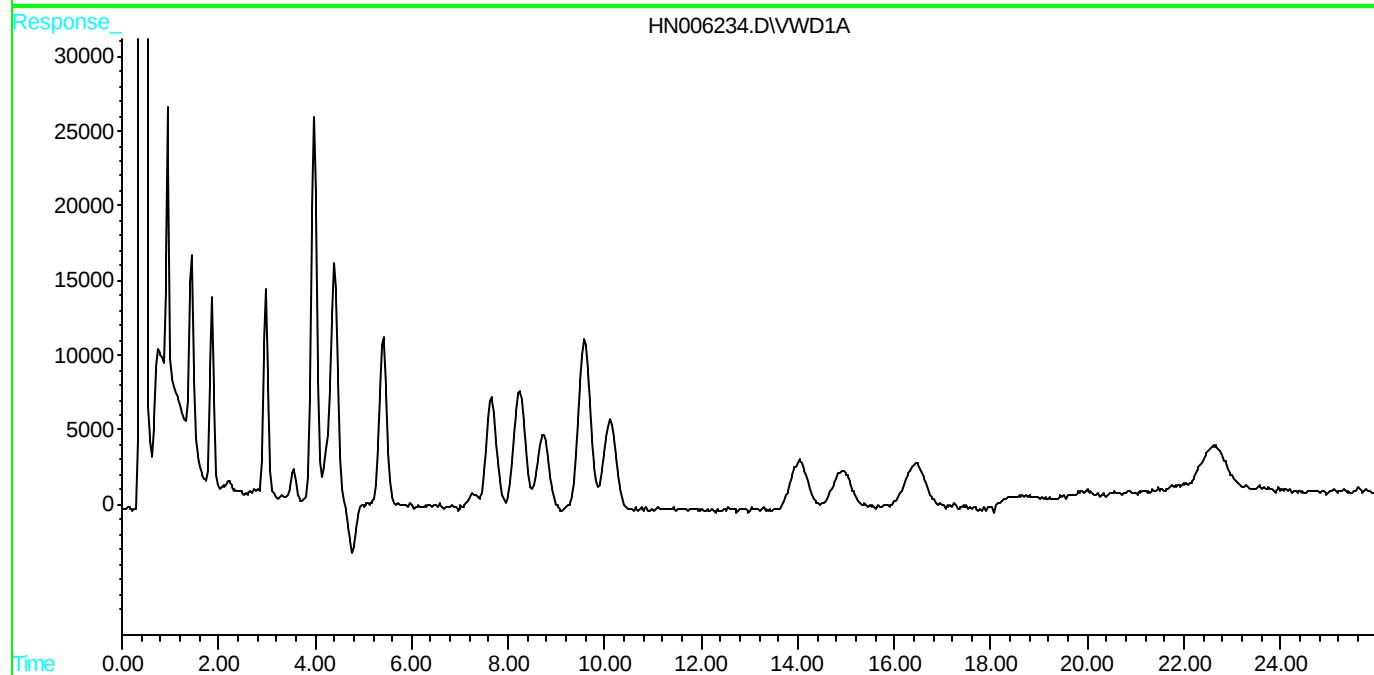
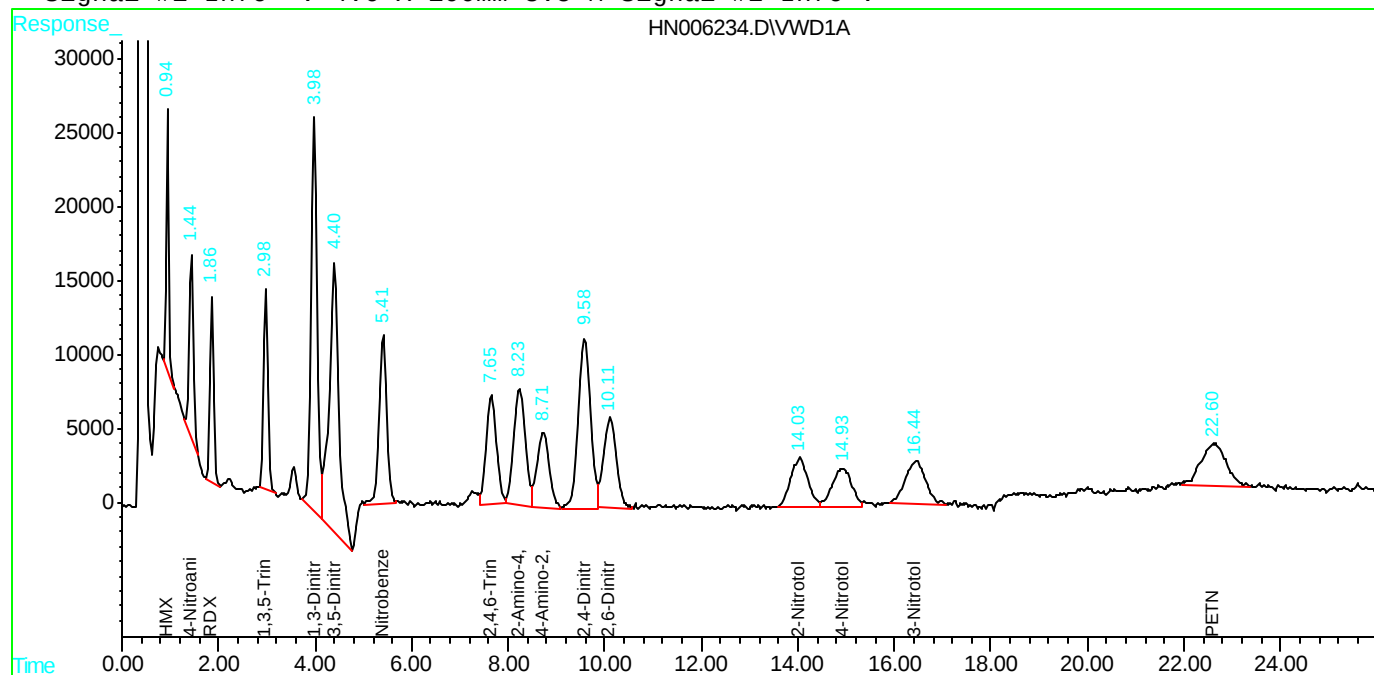
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 HPLC_N
 ClientSampleId :
 HF-OAT-S-01MSD

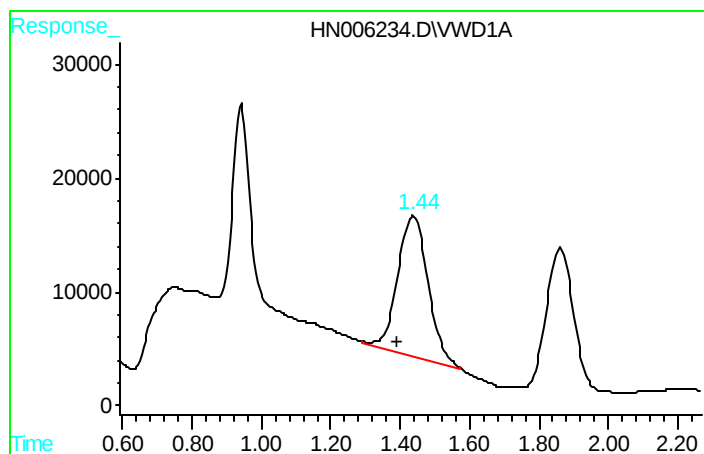
Manual Integrations
 APPROVED

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 8/14/2014 6:05:51 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHODS\HN071714.M
 Title :
 Last Update : Wed Aug 13 15:37:46 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 :





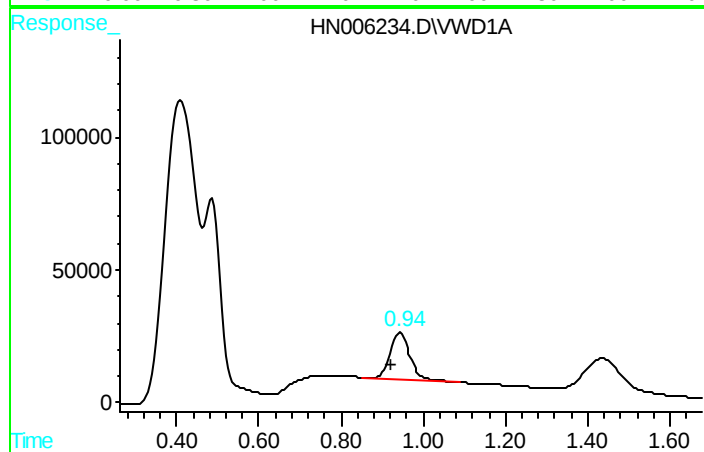
#1 4-Nitroaniline

R.T.: 1.436 min
 Delta R.T.: 0.046 min
 Response: 757128
 Conc: 171.91 ug/L m

Instrument :
 HPLC_N
 ClientSampleId :
 HF-OAT-S-01MSD

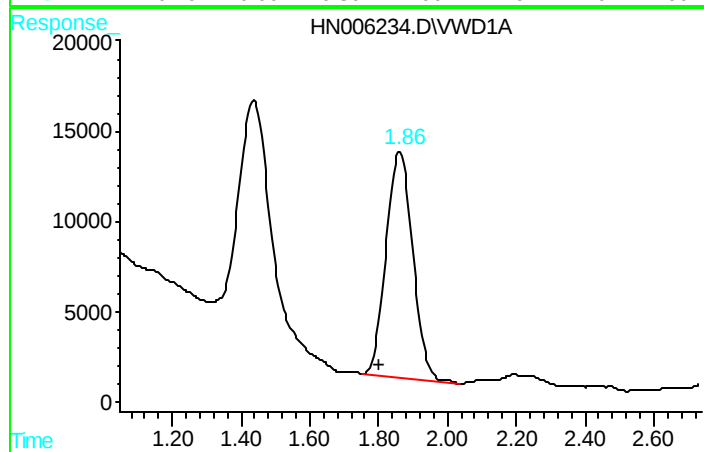
Manual Integrations
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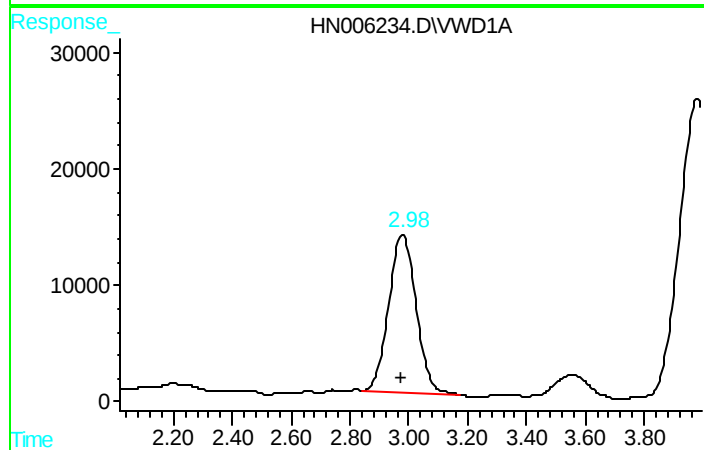
#2 HMX

R.T.: 0.940 min
 Delta R.T.: 0.020 min
 Response: 609651
 Conc: 120.30 ug/L m



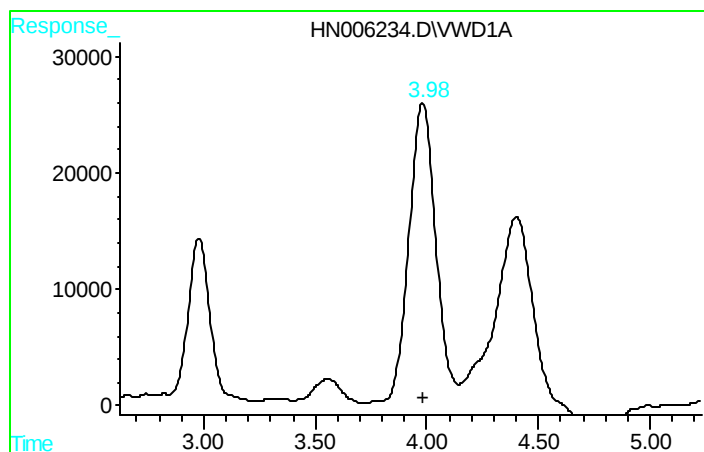
#3 RDX

R.T.: 1.862 min
 Delta R.T.: 0.062 min
 Response: 673490
 Conc: 120.31 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 2.979 min
 Delta R.T.: 0.009 min
 Response: 878062
 Conc: 79.54 ug/L



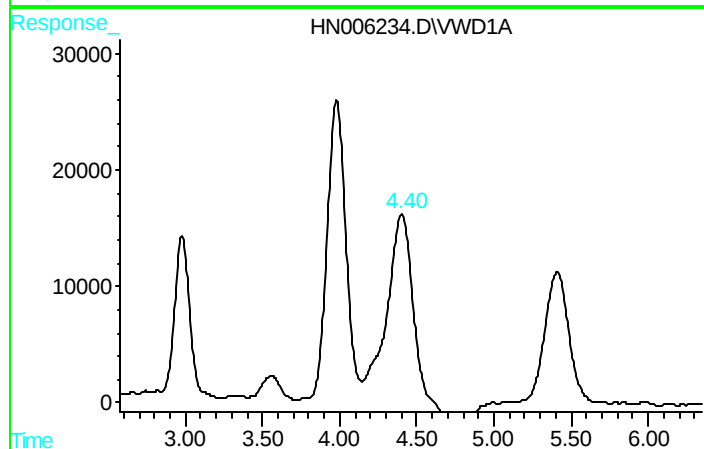
#5 1,3-Dinitrobenzene

R.T.: 3.981 min
Delta R.T.: 0.001 min
Response: 2348750
Conc: 139.88 ng/ml

Instrument :
HPLC_N
ClientSampleId :
HF-OAT-S-01MSD

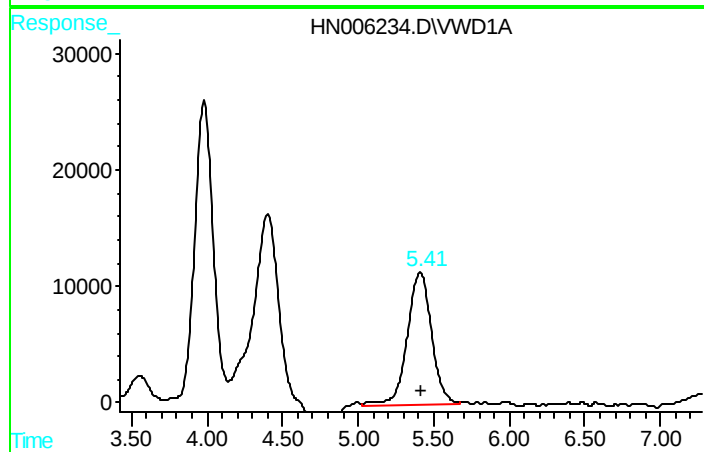
Manual Integrations
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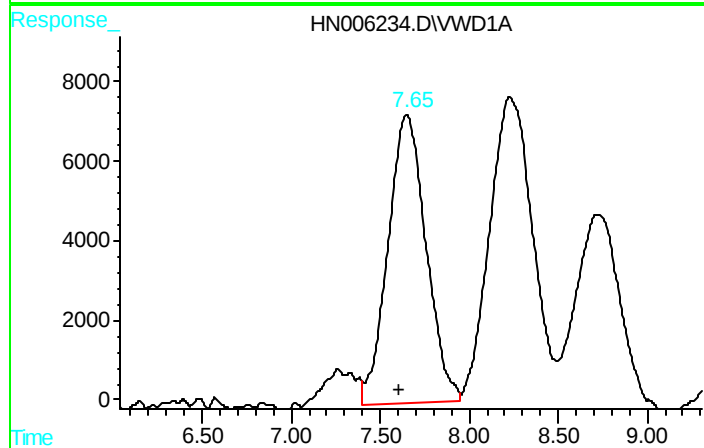
#6 3,5-Dinitroaniline

R.T.: 4.402 min
Delta R.T.: 0.002 min
Response: 2570267
Conc: 190.73 ug/L



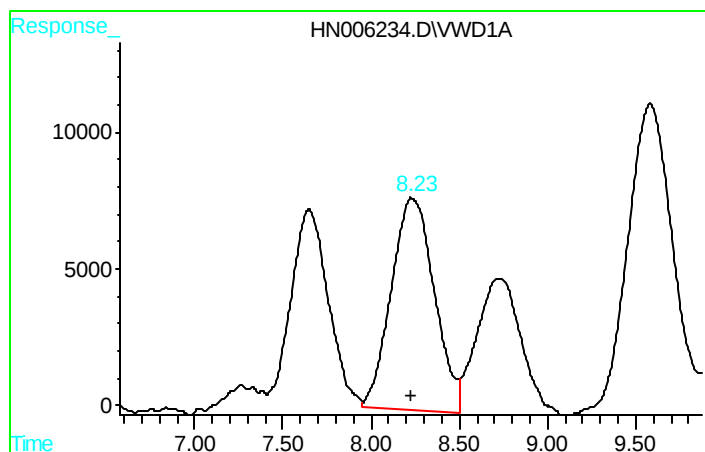
#7 Nitrobenzene

R.T.: 5.411 min
Delta R.T.: 0.000 min
Response: 1271024
Conc: 123.56 ug/L m



#9 2,4,6-Trinitrotoluene

R.T.: 7.647 min
Delta R.T.: 0.037 min
Response: 1080631
Conc: 102.15 ug/L m



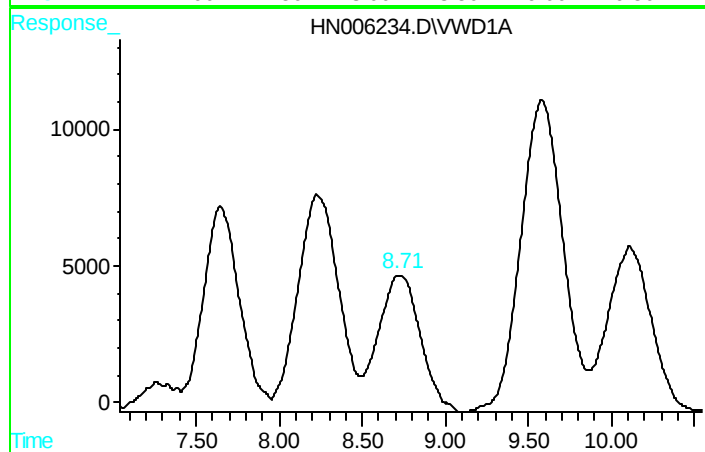
#10 2-Amino-4,6-dinitrotoluene

R.T.: 8.226 min
Delta R.T.: -0.004 min
Response: 1311608
Conc: 115.05 ug/L m

Instrument :
HPLC_N
ClientSampleId :
HF-OAT-S-01MSD

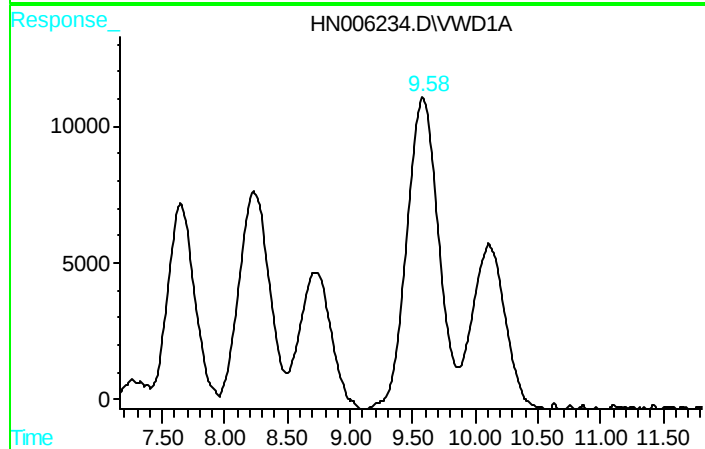
Manual Integrations
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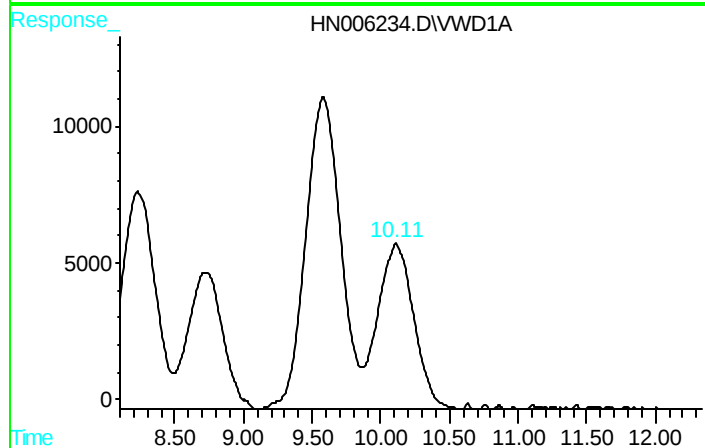
#11 4-Amino-2,6-dinitrotoluene

R.T.: 8.712 min
Delta R.T.: -0.008 min
Response: 887490
Conc: 128.06 ug/L m



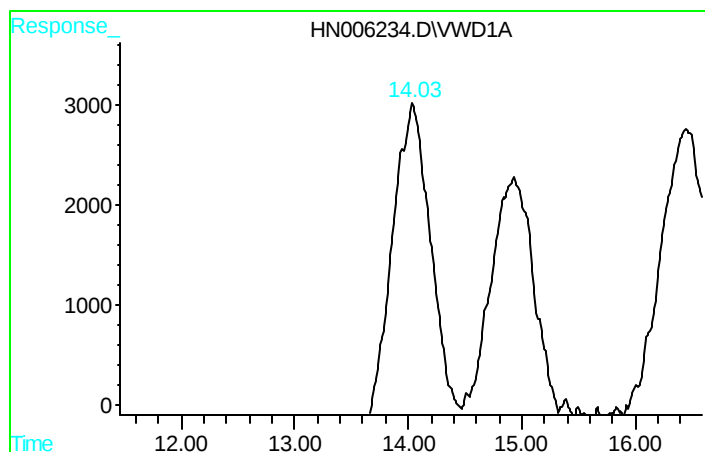
#12 2,4-Dinitrotoluene

R.T.: 9.579 min
Delta R.T.: 0.009 min
Response: 2054816
Conc: 129.66 ug/L m



#13 2,6-Dinitrotoluene

R.T.: 10.107 min
Delta R.T.: 0.007 min
Response: 1145054
Conc: 134.23 ug/L m



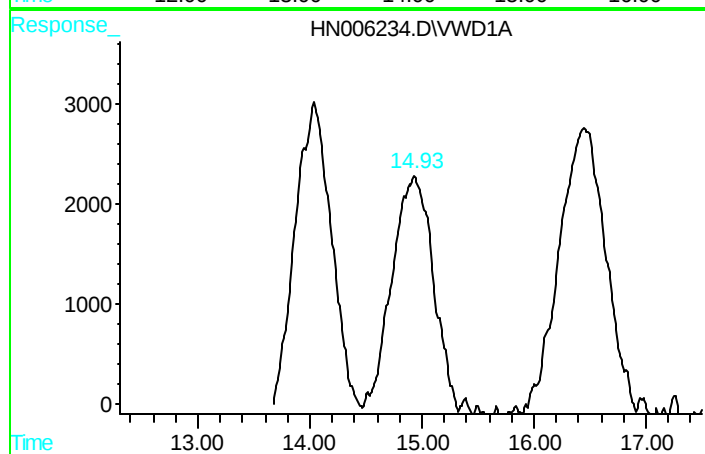
#14 2-Nitrotoluene

R.T.: 14.034 min
Delta R.T.: 0.034 min
Response: 836994
Conc: 121.63 ug/L m

Instrument :
HPLC_N
ClientSampleId :
HF-OAT-S-01MSD

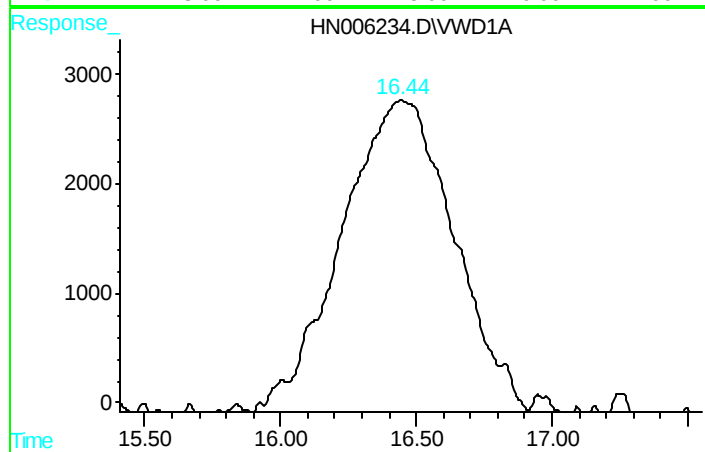
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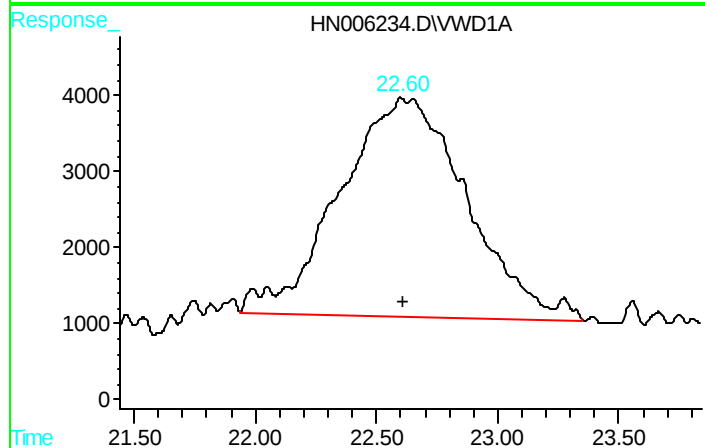
#15 4-Nitrotoluene

R.T.: 14.931 min
Delta R.T.: 0.051 min
Response: 732020
Conc: 131.99 ug/L m



#16 3-Nitrotoluene

R.T.: 16.442 min
Delta R.T.: 0.022 min
Response: 898147
Conc: 125.69 ug/L m



#17 PETN

R.T.: 22.599 min
Delta R.T.: -0.011 min
Response: 1045827
Conc: 118.07 ug/L m