

Data File : Z:\HPCHEM1\HPLC_N\DATA\HN110813\HN005685.D Vial: 15
 Acq On : 08-Nov-2013, 23:29 Operator: QM
 Sample : E4206-31 Inst : G1314A
 Misc : Multiplr: 1.00
 IntFile : autoint1.e
 Quant Time: Nov 11 12:15 2013 Quant Results File: HN110813.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PT-EXP-SOIL

Manual Integrations
 APPROVED

QI
 11/11/2013 6:41:52 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHOD\HN110813.M
 Title :
 Last Update : Mon Jul 22 14:51:19 2013
 Response via : Initial Calibration
 DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	1.29	826862	224.002 ug/L m
Target Compounds			
2) T HMX	0.87	2814348	700.977 ug/L
3) T RDX	1.65	3640133	665.473 ug/L m
4) T 1,3,5-Trinitrobenzene	2.63	2447745	235.425 ug/L
5) T 3,5-Dinitroaniline	3.46	16158653	1001.926 ng/ml
6) T 1,3-Dinitrobenzene	3.79	4539649	357.685 ug/L
7) T Nitrobenzene	4.63	7247450	711.103 ug/L
9) T 2,4,6-Trinitrotoluene	6.38	9133078	804.066 ug/L
10) T 2-Amino-4,6-dinitrotoluene	6.79	5986370	548.611 ug/L
11) T 4-Amino-2,6-dinitrotoluene	7.13	6764165	1153.467 ug/L
12) T 2,4-Dinitrotoluene	7.93	16369013	1108.428 ug/L m
13) T 2,6-Dinitrotoluene	8.31	5722186	725.897 ug/L m
14) T 2-Nitrotoluene	11.40	2676331	418.316 ug/L
15) T 4-Nitrotoluene	12.14	7783926	1443.619 ug/L
16) T 3-Nitrotoluene	13.36	5620409	819.492 ug/L
17) T PETN	18.43	1419021	163.872 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.

HN005685.D HN110813.M

Tue Nov 12 02:42:00 2013

RPT1

Quantitation Report

Data File : Z:\HPCHEM1\HPLC_N\DATA\HN110813\HN005685.D Vial: 15
Acq On : 08-Nov-2013, 23:29 Operator: QM
Sample : E4206-31 Inst : G1314A
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 11 12:15 2013 Quant Results File: HN110813.RES

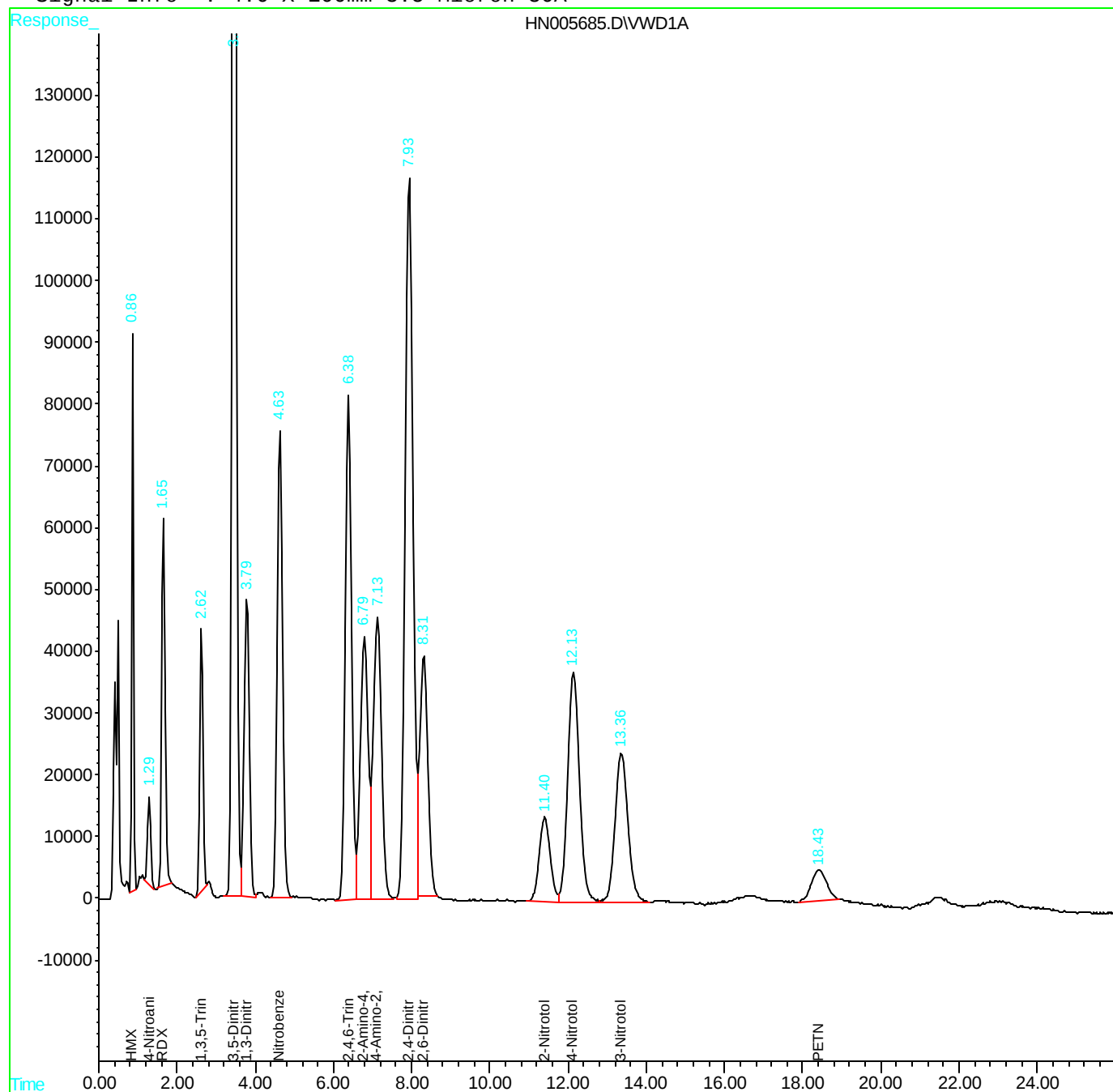
Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

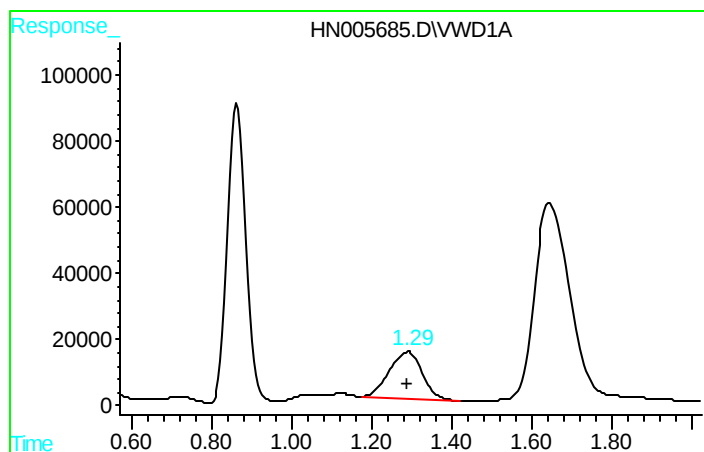
Manual Integrations
APPROVED

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11/11/2013 6:41:52 PM

Quant Method : Z:\HPCHEM1\HPLC_N\METHOD\HN110813.M
Title :
Last Update : Mon Jul 22 14:51:19 2013
Response via : Multiple Level Calibration
DataAcq Meth : 8330AGIP.M

Volume Inj. : 50 ul
Signal Phase : ZORBAX Extend-C18
Signal Info : 4.6 X 100mm 3.5-Micron 80A





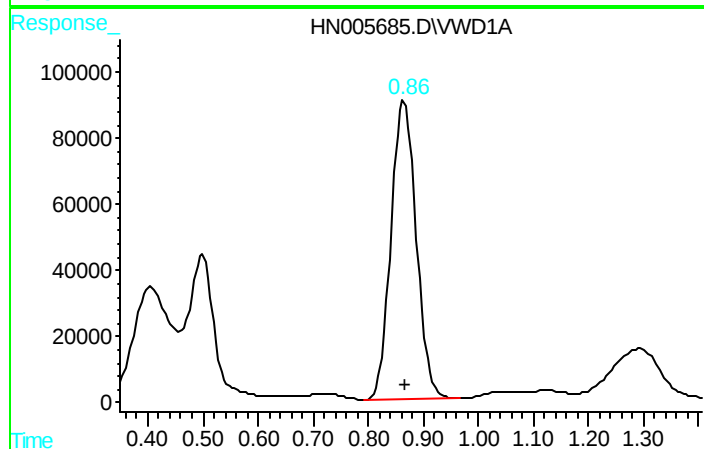
#1 4-Nitroaniline

R.T.: 1.292 min
Delta R.T.: 0.000 min
Response: 826862
Conc: 224.00 ug/L m

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

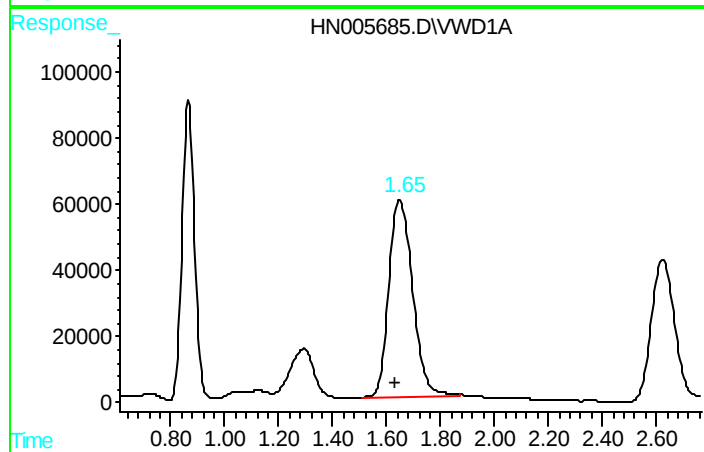
Manual Integrations
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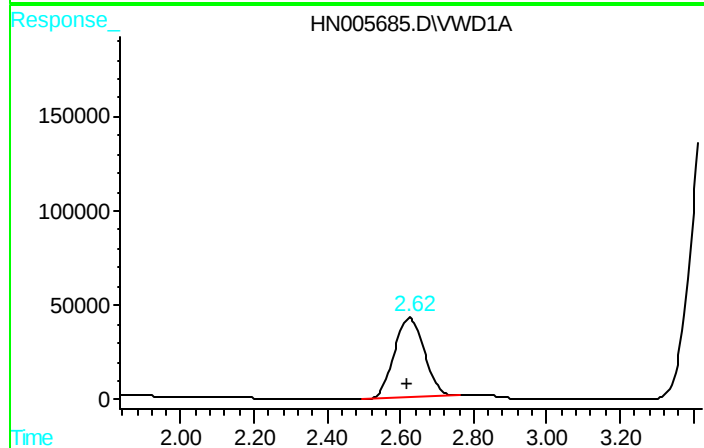
#2 HMX

R.T.: 0.866 min
Delta R.T.: 0.000 min
Response: 2814348
Conc: 700.98 ug/L



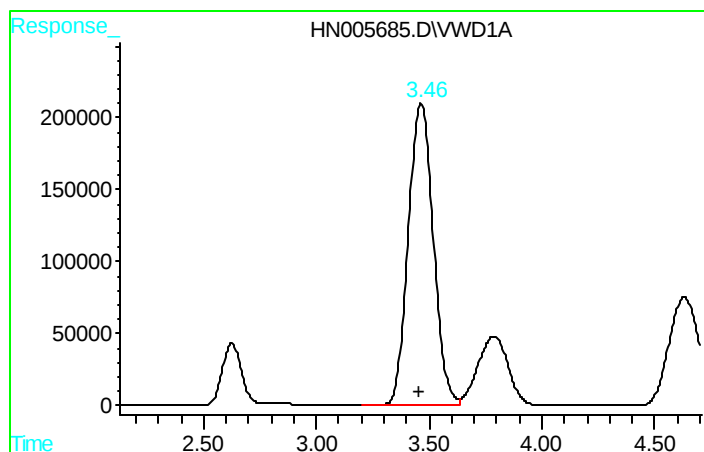
#3 RDX

R.T.: 1.645 min
Delta R.T.: 0.015 min
Response: 3640133
Conc: 665.47 ug/L m



#4 1,3,5-Trinitrobenzene

R.T.: 2.626 min
Delta R.T.: 0.009 min
Response: 2447745
Conc: 235.42 ug/L



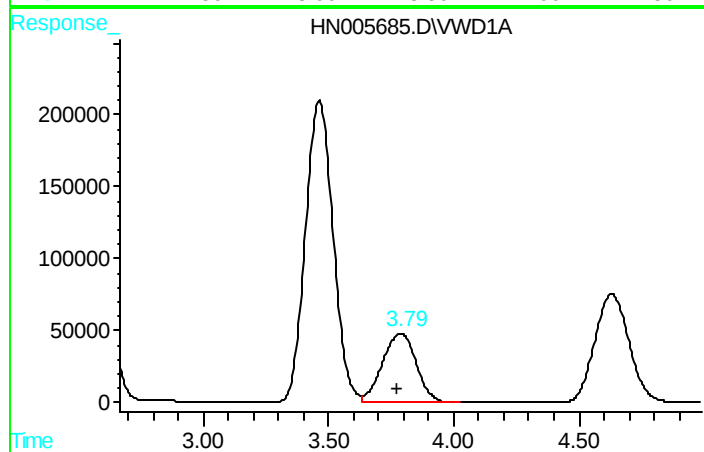
#5 3,5-Dinitroaniline

R.T.: 3.465 min
Delta R.T.: 0.013 min
Response: 16158653
Conc: 1001.93 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

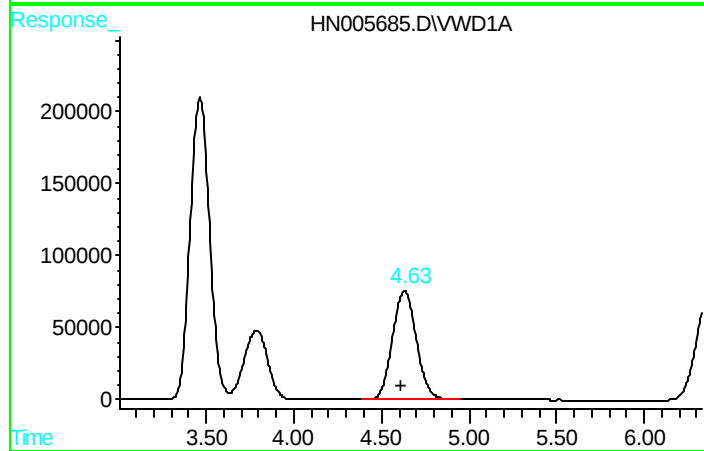
Manual Integrations
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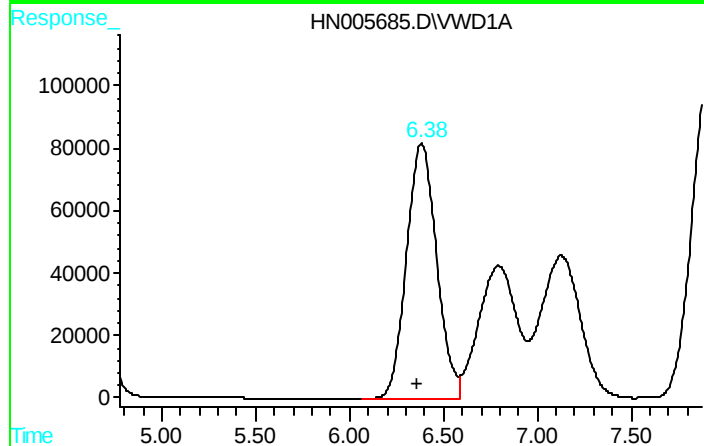
#6 1,3-Dinitrobenzene

R.T.: 3.789 min
Delta R.T.: 0.016 min
Response: 4539649
Conc: 357.68 ug/L



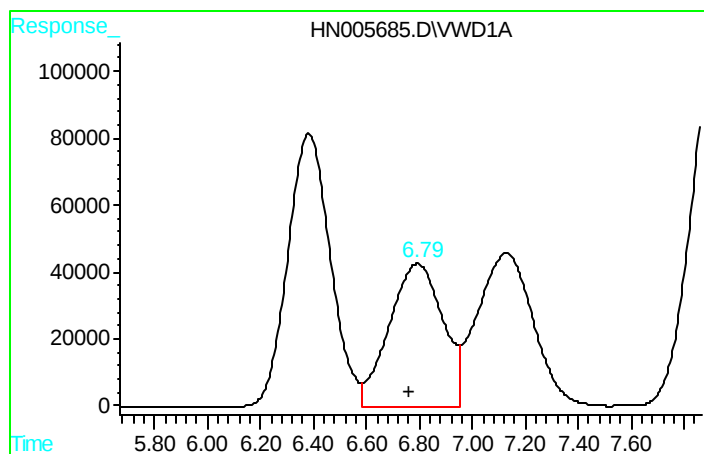
#7 Nitrobenzene

R.T.: 4.632 min
Delta R.T.: 0.017 min
Response: 7247450
Conc: 711.10 ug/L



#9 2,4,6-Trinitrotoluene

R.T.: 6.383 min
Delta R.T.: 0.028 min
Response: 9133078
Conc: 804.07 ug/L



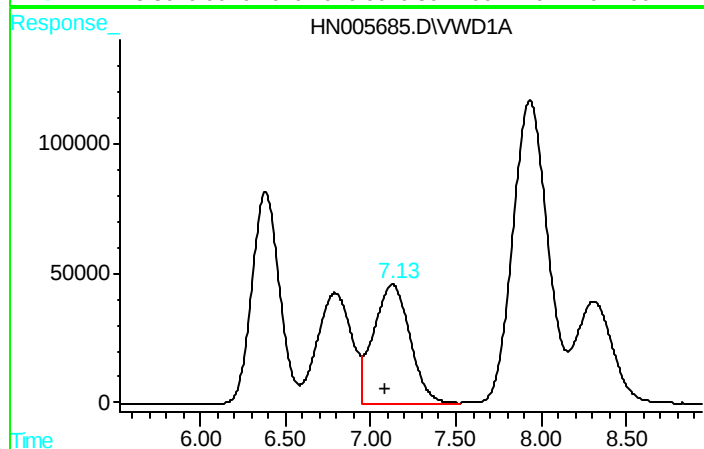
#10 2-Amino-4,6-dinitrotoluene

R.T.: 6.793 min
Delta R.T.: 0.034 min
Response: 5986370
Conc: 548.61 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

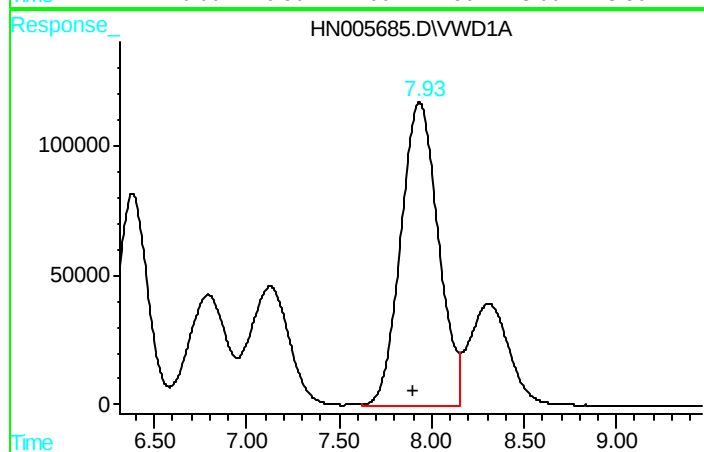
Manual Integrations
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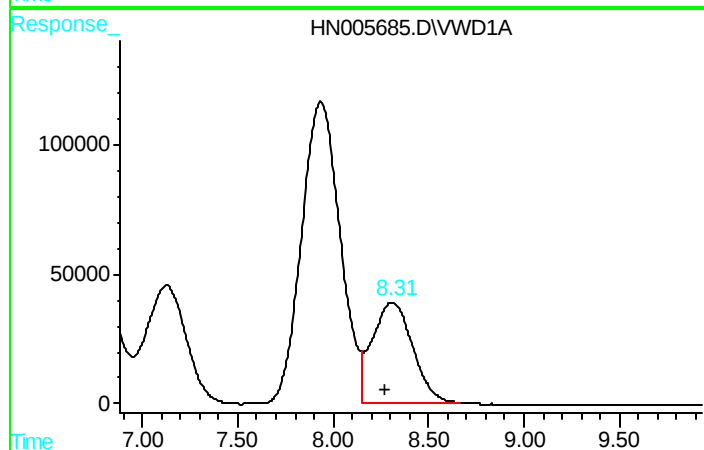
#11 4-Amino-2,6-dinitrotoluene

R.T.: 7.128 min
Delta R.T.: 0.040 min
Response: 6764165
Conc: 1153.47 ug/L



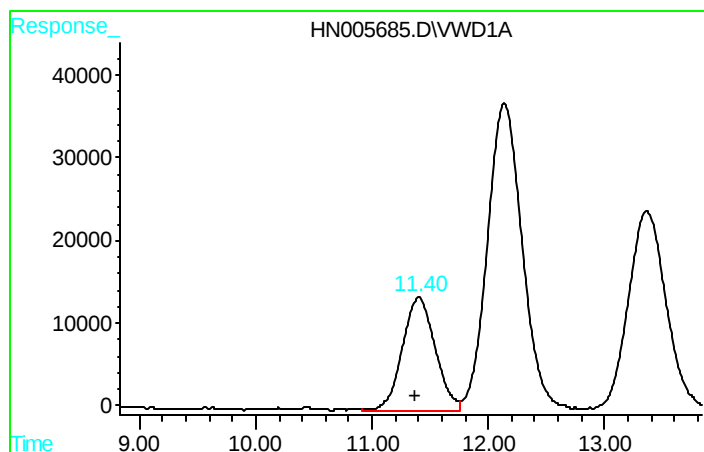
#12 2,4-Dinitrotoluene

R.T.: 7.933 min
Delta R.T.: 0.034 min
Response: 16369013
Conc: 1108.43 ug/L m



#13 2,6-Dinitrotoluene

R.T.: 8.306 min
Delta R.T.: 0.034 min
Response: 5722186
Conc: 725.90 ug/L m



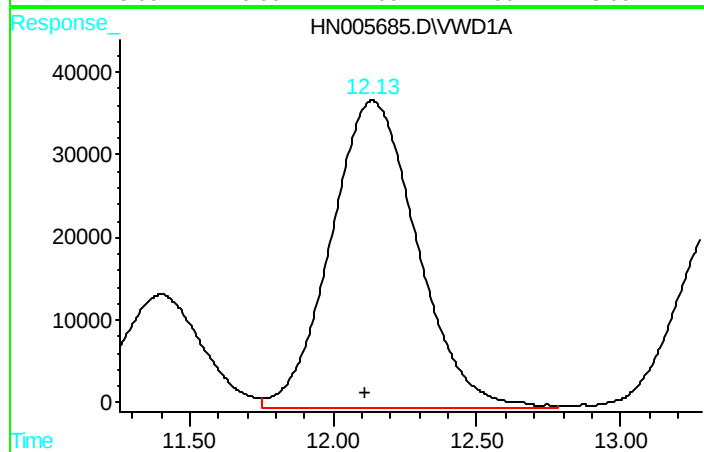
#14 2-Nitrotoluene

R.T.: 11.403 min
Delta R.T.: 0.035 min
Response: 2676331
Conc: 418.32 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

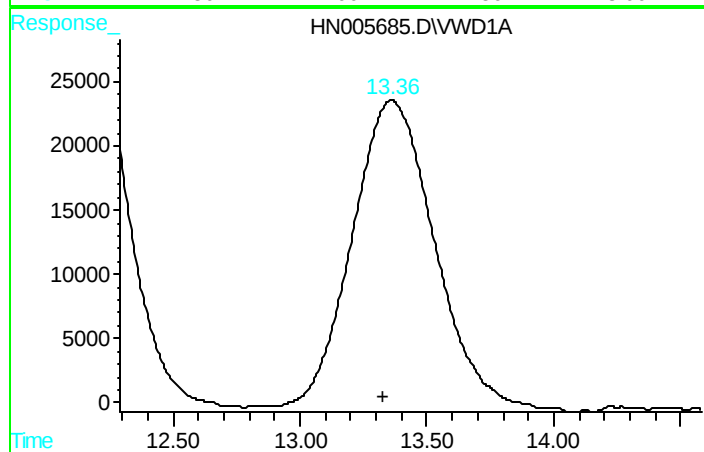
Manual Integrations
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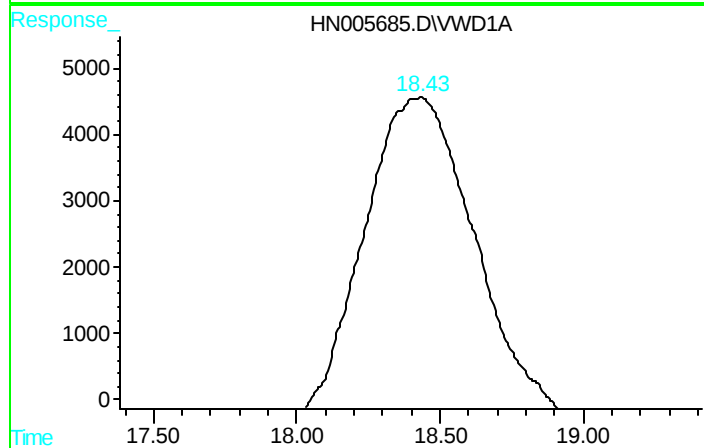
#15 4-Nitrotoluene

R.T.: 12.137 min
Delta R.T.: 0.027 min
Response: 7783926
Conc: 1443.62 ug/L



#16 3-Nitrotoluene

R.T.: 13.362 min
Delta R.T.: 0.036 min
Response: 5620409
Conc: 819.49 ug/L



#17 PETN

R.T.: 18.435 min
Delta R.T.: 0.076 min
Response: 1419021
Conc: 163.87 ug/L m

Data File : S:\HPCHEM1\HPLC_B\DATA\HB111413\HB001383.D Vial: 8
 Acq On : 14-Nov-2013, 18:08 Operator: QM
 Sample : E4206-31 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : autoint1.e
 Quant Time: Nov 18 2:14 2013 Quant Results File: HB111413.RES

Instrument :
 HPLC_N
 ClientSampleId :
 PT-EXP-SOIL

Manual Integrations
 APPROVED

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 11/11/2013 6:41:52 PM

Quant Method : Z:\HPCHEM1\HPLC_B\METHOD\HB111413.M
 Title :
 Last Update : Mon Nov 18 01:23:28 2013
 Response via : Initial Calibration
 DataAcq Meth : 8330BCON.M

Volume Inj. : 50 ul
 Signal Phase : ZORBAX Extend-C18
 Signal Info : 4.6 X 100mm 3.5-Micron 80A

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S 4-Nitroaniline	6.68	108590	257.026 ug/L
Target Compounds			
2) T HMX	4.96	293774	665.027 ug/L
3) T RDX	8.02	510792	601.927 ug/L
4) T 1,3,5-Trinitrobenzene	11.05	180279	255.353 ug/L
5) T 1,3-Dinitrobenzene	14.57	749149	904.422 ng/ml
6) T 3,5-Dinitroaniline	15.11	344005	391.633 ug/L
8) T Nitrobenzene	17.15	447332	650.090 ug/L
9) T 2,4,6-Trinitrotoluene	18.73	551071	903.975 ug/L
10) T 4-Amino-2,6-dinitrotoluene	19.53	655058	1023.889 ug/L
11) T 2-Amino-4,6-dinitrotoluene	20.49	518215	663.659 ug/L
12) T 2,6-Dinitrotoluene	23.18	330240	730.984 ug/L
13) T 2,4-Dinitrotoluene	23.85	829666	1127.394 ug/L
14) T 2-Nitrotoluene	29.10	194444	428.345 ug/L
15) T 4-Nitrotoluene	31.33	1107623	1940.146 ug/L
16) T 3-Nitrotoluene	33.85	544988	1014.611 ug/L

 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.

Quantitation Report

Data File : S:\HPCHEM1\HPLC_B\DATA\HB111413\HB001383.D Vial: 8
Acq On : 14-Nov-2013, 18:08 Operator: QM
Sample : E4206-31 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 18 2:14 2013 Quant Results File: HB111413.RES

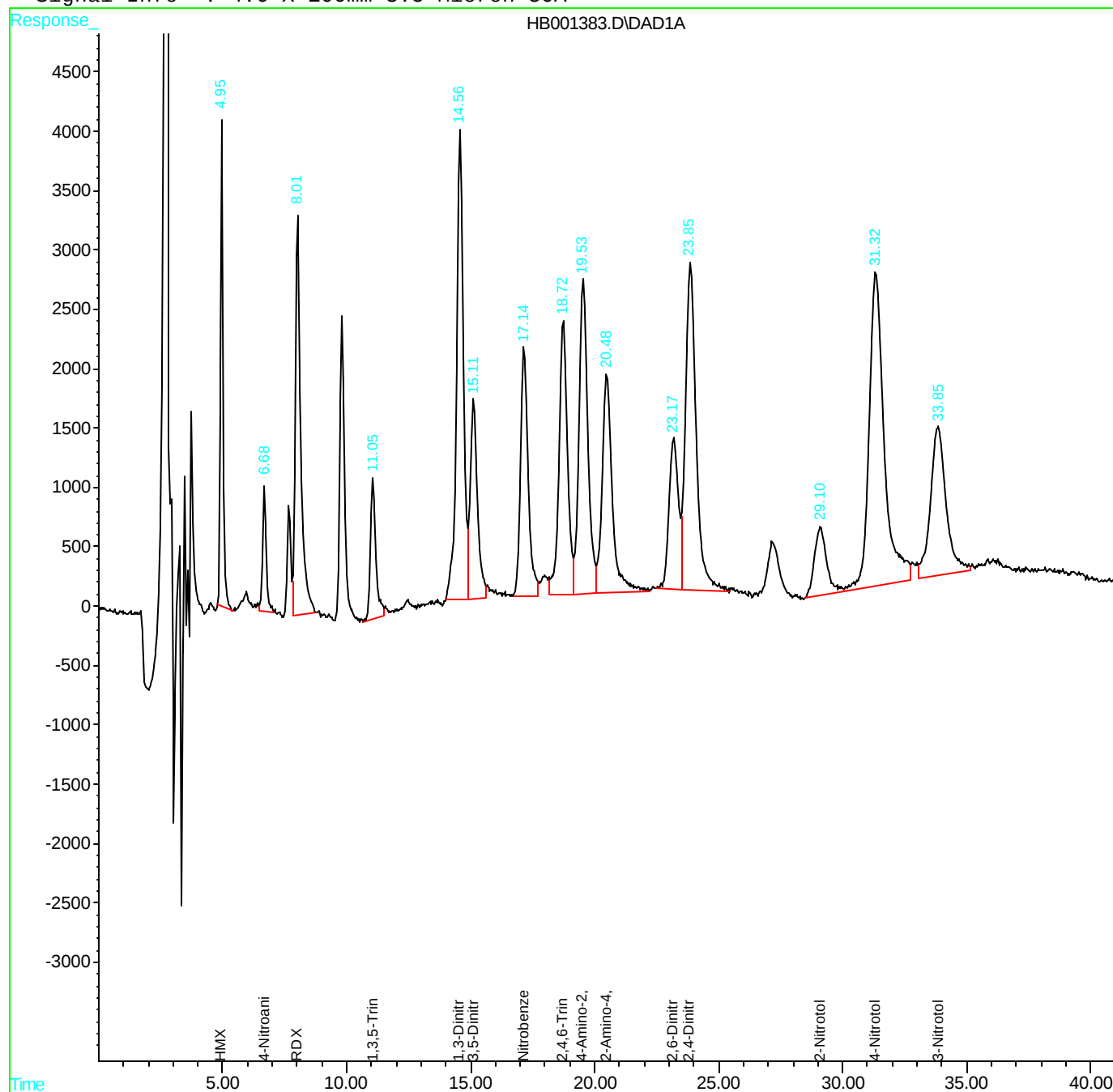
Instrument :
HPLC_N
ClientSampled :
PT-EXP-SOIL

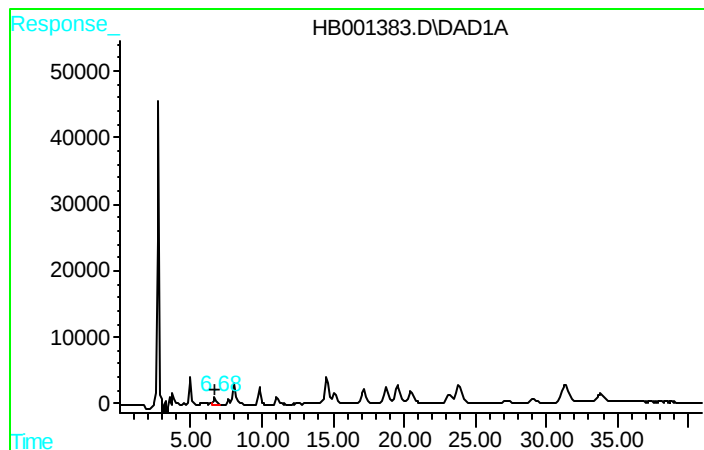
Manual Integrations
APPROVED

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11/11/2013 6:41:52 PM

Quant Method : Z:\HPCHEM1\HPLC_B\METHOD\HB111413.M
Title :
Last Update : Mon Nov 18 01:23:28 2013
Response via : Multiple Level Calibration
DataAcq Meth : 8330BCON.M

Volume Inj. : 50 ul
Signal Phase : ZORBAX Extend-C18
Signal Info : 4.6 X 100mm 3.5-Micron 80A





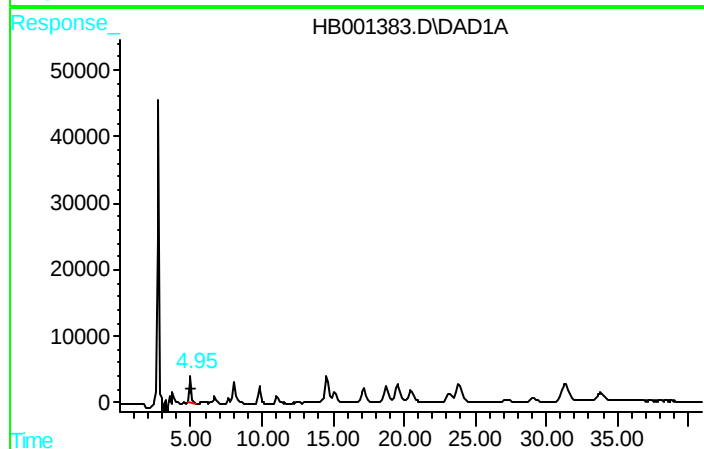
#1 4-Nitroaniline

R.T.: 6.680 min
Delta R.T.: -0.002 min
Response: 108590
Conc: 257.03 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

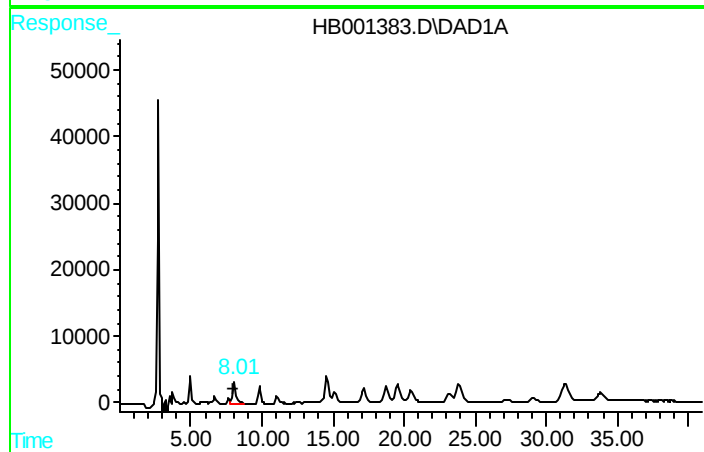
Manual Integrations
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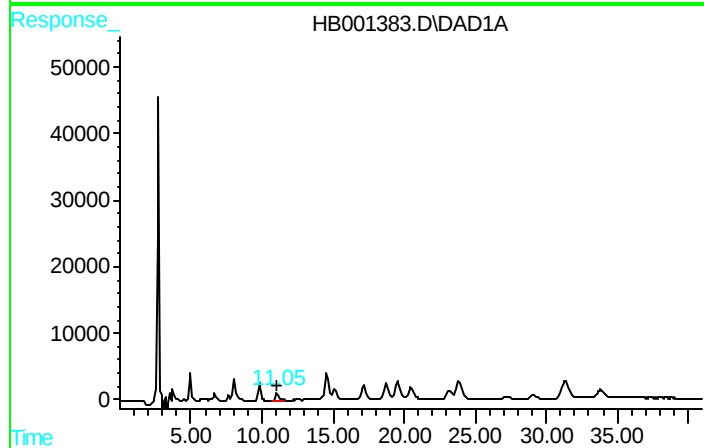
#2 HMX

R.T.: 4.956 min
Delta R.T.: -0.005 min
Response: 293774
Conc: 665.03 ug/L



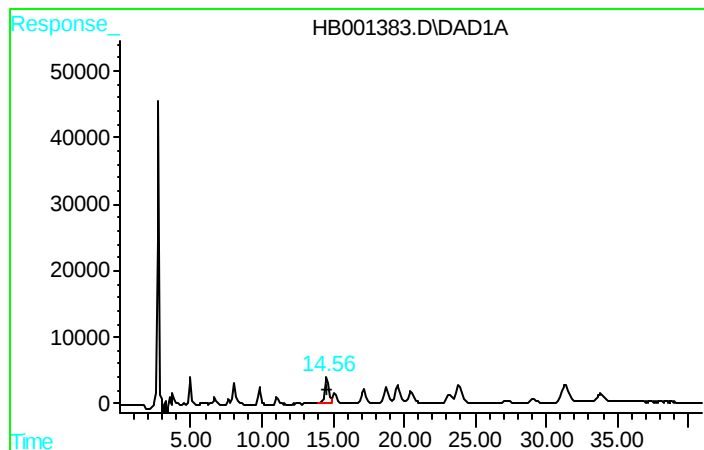
#3 RDX

R.T.: 8.016 min
Delta R.T.: -0.002 min
Response: 510792
Conc: 601.93 ug/L



#4 1,3,5-Trinitrobenzene

R.T.: 11.052 min
Delta R.T.: 0.000 min
Response: 180279
Conc: 255.35 ug/L



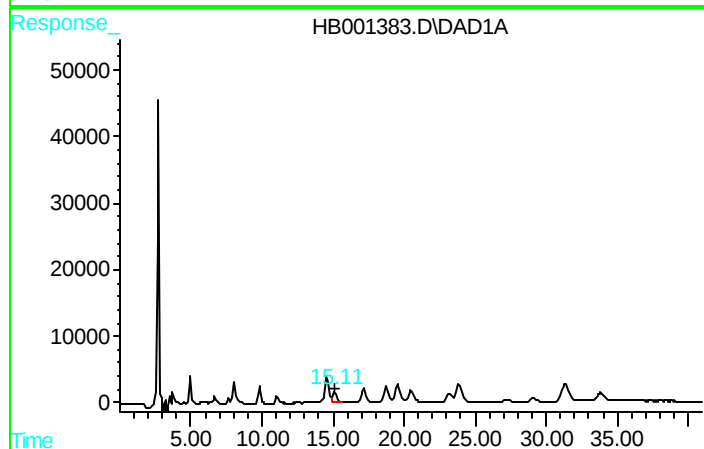
#5 1,3-Dinitrobenzene

R.T.: 14.568 min
Delta R.T.: 0.012 min
Response: 749149
Conc: 904.42 ng/ml

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

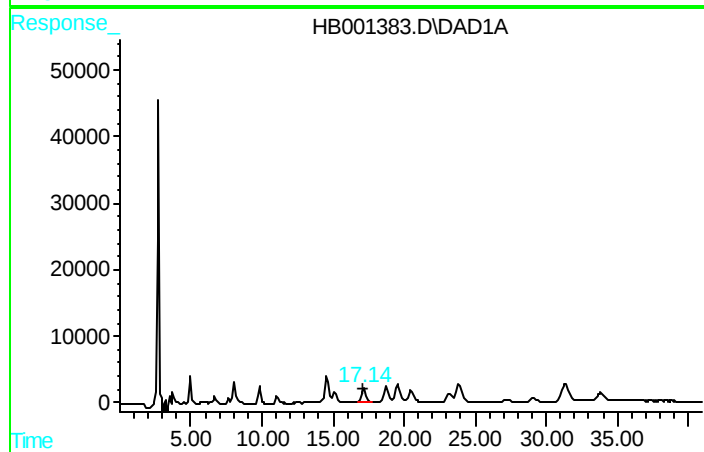
Manual Integrations
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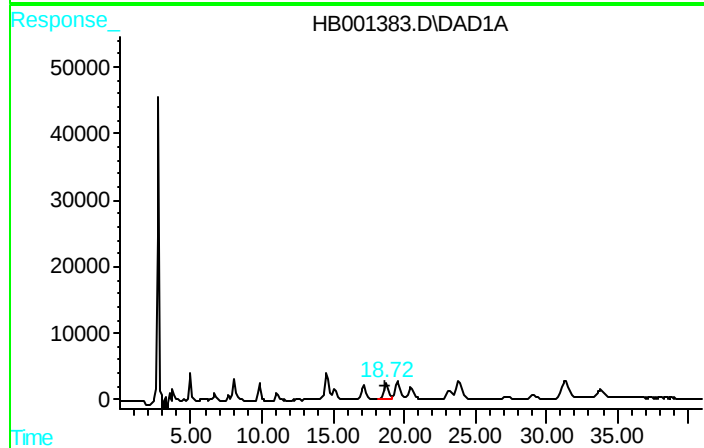
#6 3,5-Dinitroaniline

R.T.: 15.115 min
Delta R.T.: -0.015 min
Response: 344005
Conc: 391.63 ug/L



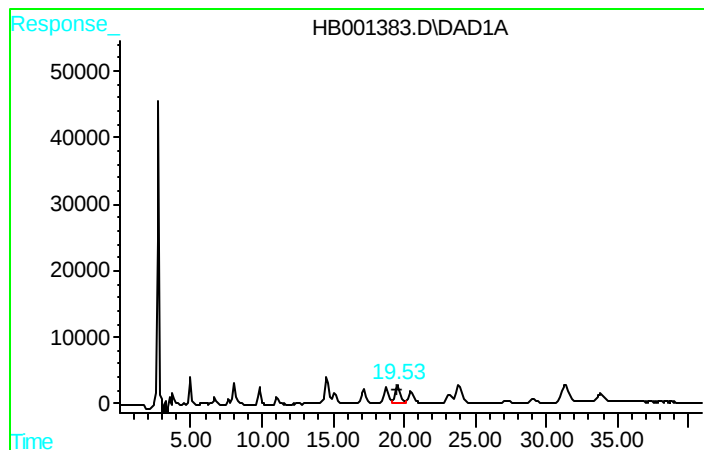
#8 Nitrobenzene

R.T.: 17.146 min
Delta R.T.: -0.020 min
Response: 447332
Conc: 650.09 ug/L



#9 2,4,6-Trinitrotoluene

R.T.: 18.727 min
Delta R.T.: 0.005 min
Response: 551071
Conc: 903.97 ug/L



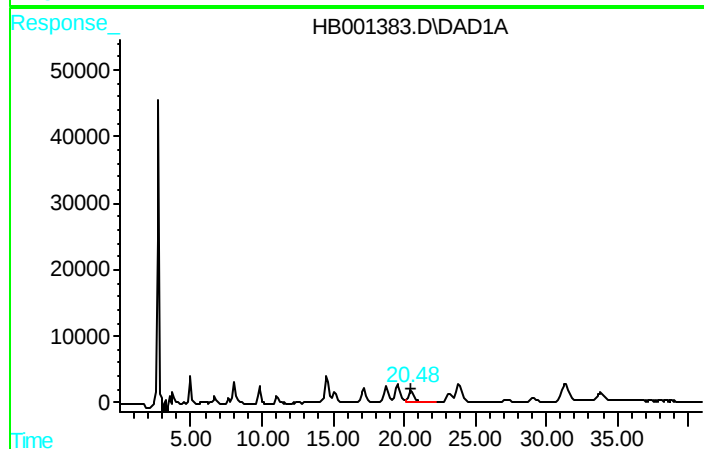
#10 4-Amino-2,6-dinitrotoluene

R.T.: 19.533 min
Delta R.T.: -0.007 min
Response: 655058
Conc: 1023.89 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

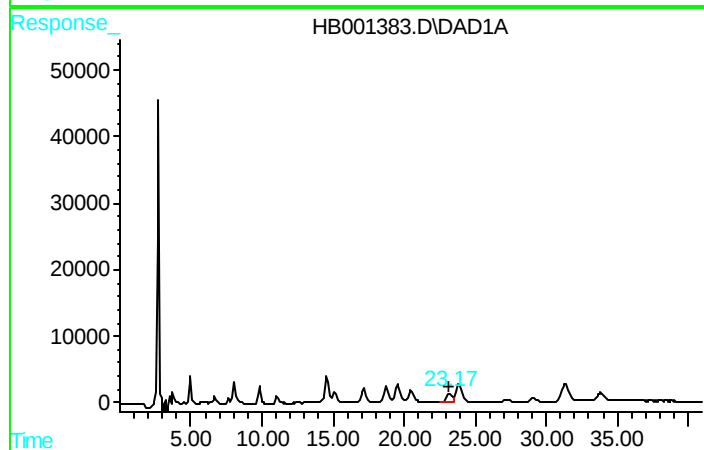
Manual Integrations
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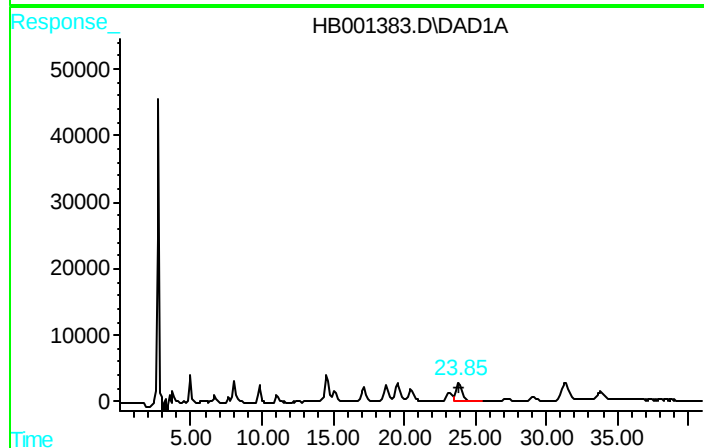
#11 2-Amino-4,6-dinitrotoluene

R.T.: 20.488 min
Delta R.T.: -0.022 min
Response: 518215
Conc: 663.66 ug/L



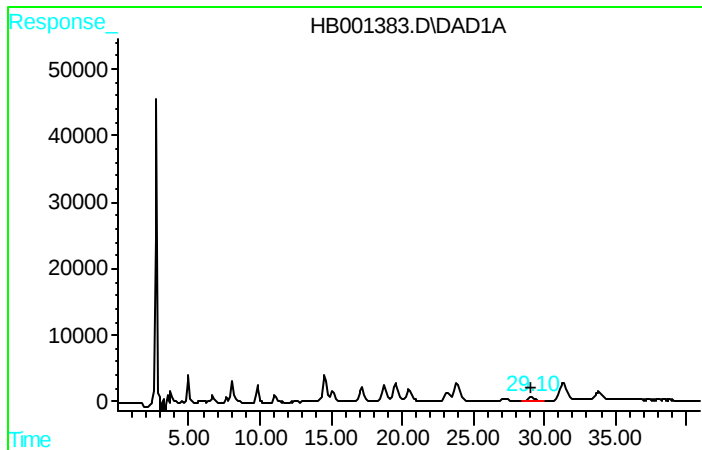
#12 2,6-Dinitrotoluene

R.T.: 23.185 min
Delta R.T.: -0.028 min
Response: 330240
Conc: 730.98 ug/L



#13 2,4-Dinitrotoluene

R.T.: 23.854 min
Delta R.T.: -0.005 min
Response: 829666
Conc: 1127.39 ug/L



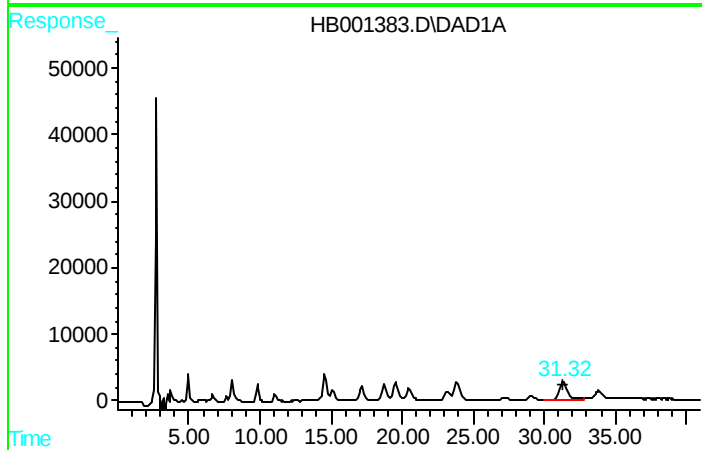
#14 2-Nitrotoluene

R.T.: 29.103 min
Delta R.T.: 0.021 min
Response: 194444
Conc: 428.35 ug/L

Instrument :
HPLC_N
ClientSampleId :
PT-EXP-SOIL

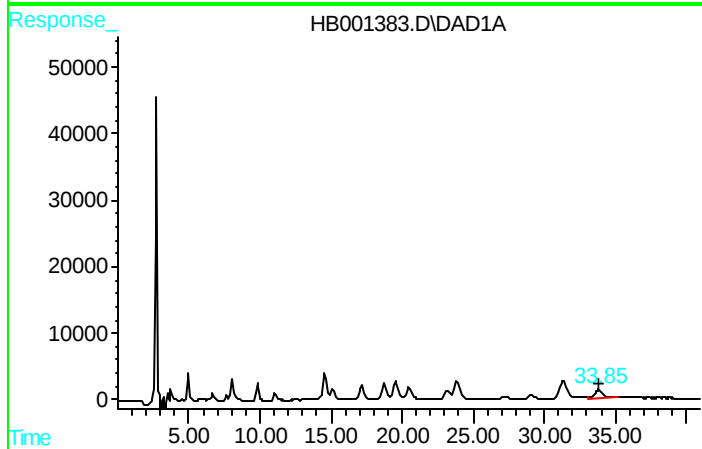
Manual Integrations
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#15 4-Nitrotoluene

R.T.: 31.328 min
Delta R.T.: 0.002 min
Response: 1107623
Conc: 1940.15 ug/L



#16 3-Nitrotoluene

R.T.: 33.847 min
Delta R.T.: 0.011 min
Response: 544988
Conc: 1014.61 ug/L