

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM091917\  
 Data File : BM011604.D  
 Acq On : 19 Sep 2017 14:59  
 Operator : SJ/JU  
 Sample : I5234-18DL 50X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AB7DL

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.275       | 331           | 338         | 358          | rBV      | 7402985        | 11131903      | 73.18%          | 15.702%       |
| 2         | 7.298       | 678           | 682         | 692          | rBV2     | 24269          | 47622         | 0.31%           | 0.067%        |
| 3         | 7.498       | 712           | 716         | 728          | rBV4     | 23936          | 52870         | 0.35%           | 0.075%        |
| 4         | 7.857       | 770           | 777         | 789          | rBV      | 1371749        | 2241566       | 14.74%          | 3.162%        |
| 5         | 7.969       | 789           | 796         | 797          | rVV      | 1237871        | 1758402       | 11.56%          | 2.480%        |
| 6         | 8.004       | 797           | 802         | 819          | rVB      | 7051752        | 11391158      | 74.88%          | 16.068%       |
| 7         | 8.322       | 848           | 856         | 872          | rBV      | 9502457        | 15211965      | 100.00%         | 21.457%       |
| 8         | 9.175       | 988           | 1001        | 1019         | rBV      | 1948218        | 3410015       | 22.42%          | 4.810%        |
| 9         | 9.475       | 1047          | 1052        | 1056         | rVB6     | 9787           | 17723         | 0.12%           | 0.025%        |
| 10        | 9.804       | 1102          | 1108        | 1112         | rBV9     | 9850           | 21783         | 0.14%           | 0.031%        |
| 11        | 9.869       | 1114          | 1119        | 1124         | rVV4     | 12438          | 23542         | 0.15%           | 0.033%        |
| 12        | 10.404      | 1204          | 1210        | 1219         | rBV3     | 19839          | 49076         | 0.32%           | 0.069%        |
| 13        | 10.633      | 1242          | 1249        | 1262         | rBV      | 1388797        | 2362150       | 15.53%          | 3.332%        |
| 14        | 10.775      | 1264          | 1273        | 1282         | rBV      | 1657915        | 2934138       | 19.29%          | 4.139%        |
| 15        | 11.157      | 1330          | 1338        | 1350         | rBV      | 621179         | 1060159       | 6.97%           | 1.495%        |
| 16        | 11.369      | 1366          | 1374        | 1388         | rBV      | 436946         | 818404        | 5.38%           | 1.154%        |
| 17        | 11.586      | 1405          | 1411        | 1423         | rBV2     | 95387          | 219507        | 1.44%           | 0.310%        |
| 18        | 12.804      | 1612          | 1618        | 1625         | rVB4     | 10033          | 18608         | 0.12%           | 0.026%        |
| 19        | 13.198      | 1680          | 1685        | 1691         | rBV6     | 7396           | 16688         | 0.11%           | 0.024%        |
| 20        | 13.404      | 1715          | 1720        | 1728         | rBV2     | 42723          | 75865         | 0.50%           | 0.107%        |
| 21        | 14.004      | 1815          | 1822        | 1829         | rBV2     | 52405          | 100437        | 0.66%           | 0.142%        |
| 22        | 14.292      | 1864          | 1871        | 1879         | rBV      | 66493          | 106171        | 0.70%           | 0.150%        |
| 23        | 14.598      | 1916          | 1923        | 1932         | rBV2     | 2428470        | 3817789       | 25.10%          | 5.385%        |
| 24        | 15.586      | 2086          | 2091        | 2102         | rBV      | 89402          | 150171        | 0.99%           | 0.212%        |
| 25        | 17.339      | 2382          | 2389        | 2401         | rBV2     | 3081650        | 4509230       | 29.64%          | 6.360%        |
| 26        | 17.439      | 2401          | 2406        | 2415         | rVB2     | 99841          | 174472        | 1.15%           | 0.246%        |
| 27        | 19.721      | 2789          | 2794        | 2800         | rBV      | 114005         | 176033        | 1.16%           | 0.248%        |
| 28        | 21.497      | 3091          | 3096        | 3104         | rBV      | 3478034        | 4686623       | 30.81%          | 6.611%        |
| 29        | 23.715      | 3469          | 3473        | 3481         | rVB3     | 203638         | 381905        | 2.51%           | 0.539%        |
| 30        | 23.874      | 3493          | 3500        | 3510         | rVB      | 2004743        | 3928450       | 25.82%          | 5.541%        |

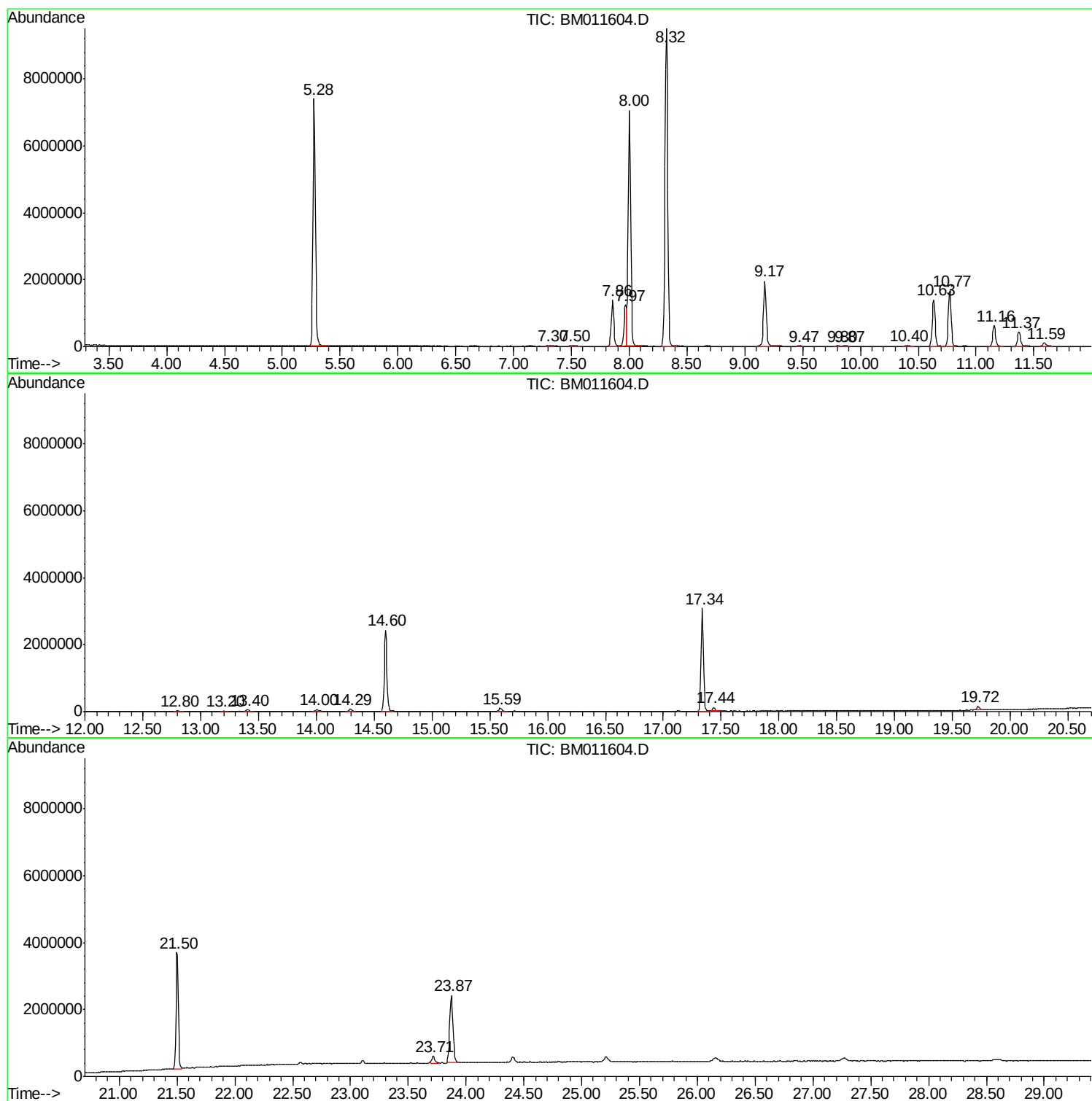
Sum of corrected areas: 70894425

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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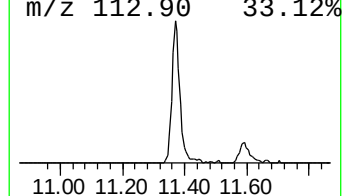
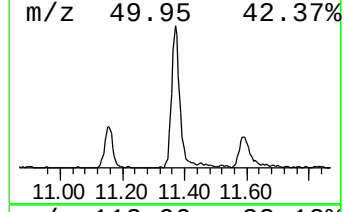
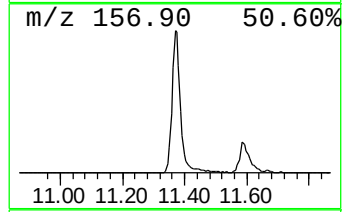
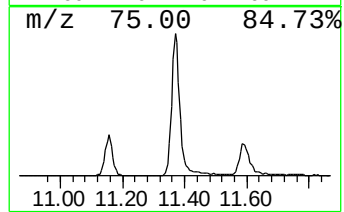
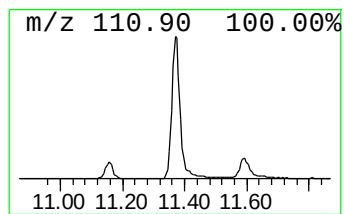
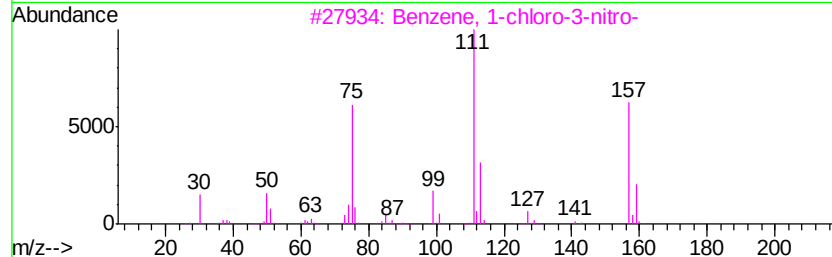
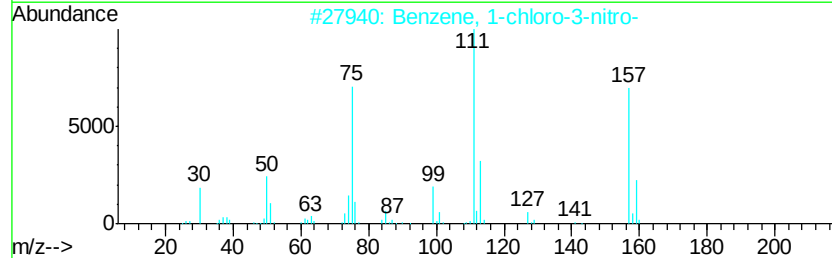
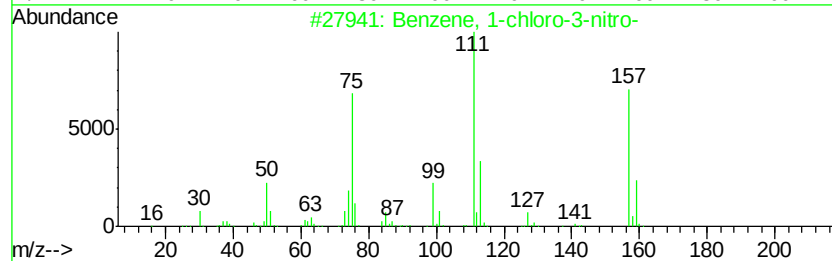
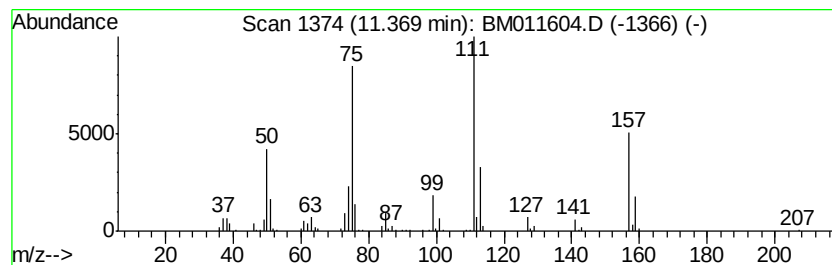
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-chloro-3-nitro- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.37 | 5.58 ng/ul | 818404 | Naphthalene-d8   | 10.77 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 91   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 89   |
| 3    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 89   |
| 4    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 80   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 64   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                      |       |         |       |          | #                       | RT    | Resp    | Conc |
| -----                |       |         |       |          |                         |       |         |      |
| Benzene, 1-chloro... | 11.37 | 5.6     | ng/ul | 818404   | 2                       | 10.77 | 2934140 | 20.0 |