

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121616\  
 Data File : BM008345.D  
 Acq On : 15 Dec 2016 16:24  
 Operator : UM/SJ  
 Sample : H6039-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA8S2

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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         | 2.893       | 47            | 52          | 60           | rBV      | 42980          | 63193         | 2.06%           | 0.204%        |
| 2         | 6.869       | 722           | 728         | 739          | rBV      | 79364          | 192535        | 6.29%           | 0.622%        |
| 3         | 7.016       | 747           | 753         | 766          | rBV      | 405755         | 689802        | 22.54%          | 2.228%        |
| 4         | 7.204       | 780           | 785         | 802          | rVB      | 411404         | 763972        | 24.96%          | 2.468%        |
| 5         | 7.669       | 858           | 864         | 879          | rVB      | 446178         | 776656        | 25.38%          | 2.508%        |
| 6         | 8.387       | 980           | 986         | 1000         | rBV      | 297143         | 566387        | 18.51%          | 1.829%        |
| 7         | 8.828       | 1055          | 1061        | 1080         | rBV      | 538668         | 994144        | 32.48%          | 3.211%        |
| 8         | 9.545       | 1177          | 1183        | 1196         | rBV      | 426161         | 818226        | 26.73%          | 2.643%        |
| 9         | 10.092      | 1269          | 1276        | 1301         | rBV      | 365970         | 1143885       | 37.37%          | 3.695%        |
| 10        | 10.439      | 1328          | 1335        | 1350         | rVB      | 638713         | 1134802       | 37.08%          | 3.665%        |
| 11        | 10.669      | 1368          | 1374        | 1382         | rBV4     | 12109          | 30780         | 1.01%           | 0.099%        |
| 12        | 13.727      | 1888          | 1894        | 1910         | rBV      | 1243936        | 1952245       | 63.78%          | 6.305%        |
| 13        | 13.998      | 1934          | 1940        | 1953         | rBV      | 1486687        | 2268821       | 74.13%          | 7.328%        |
| 14        | 14.310      | 1986          | 1993        | 2001         | rBV      | 1015876        | 1514589       | 49.49%          | 4.892%        |
| 15        | 15.068      | 2116          | 2122        | 2130         | rBV      | 292916         | 443007        | 14.47%          | 1.431%        |
| 16        | 15.145      | 2130          | 2135        | 2141         | rVB      | 100239         | 145228        | 4.74%           | 0.469%        |
| 17        | 15.310      | 2156          | 2163        | 2171         | rBV      | 1798659        | 2766320       | 90.38%          | 8.935%        |
| 18        | 15.368      | 2171          | 2173        | 2185         | rVV4     | 22359          | 33803         | 1.10%           | 0.109%        |
| 19        | 15.468      | 2185          | 2190        | 2200         | rVV      | 348747         | 645245        | 21.08%          | 2.084%        |
| 20        | 15.557      | 2202          | 2205        | 2218         | rVB6     | 31136          | 61325         | 2.00%           | 0.198%        |
| 21        | 17.062      | 2455          | 2461        | 2472         | rBV      | 1181190        | 1680760       | 54.91%          | 5.429%        |
| 22        | 17.162      | 2472          | 2478        | 2495         | rBV      | 1756449        | 2788408       | 91.10%          | 9.006%        |
| 23        | 17.956      | 2609          | 2613        | 2617         | rBV3     | 30283          | 43564         | 1.42%           | 0.141%        |
| 24        | 19.239      | 2827          | 2831        | 2838         | rBV6     | 31953          | 54318         | 1.77%           | 0.175%        |
| 25        | 19.462      | 2863          | 2869        | 2884         | rBV2     | 2034222        | 3060701       | 100.00%         | 9.886%        |
| 26        | 21.262      | 3170          | 3175        | 3188         | rBV      | 1182303        | 1865403       | 60.95%          | 6.025%        |
| 27        | 23.350      | 3524          | 3530        | 3539         | rBV2     | 1466894        | 2748303       | 89.79%          | 8.877%        |
| 28        | 23.497      | 3549          | 3555        | 3569         | rVB      | 818927         | 1714619       | 56.02%          | 5.538%        |

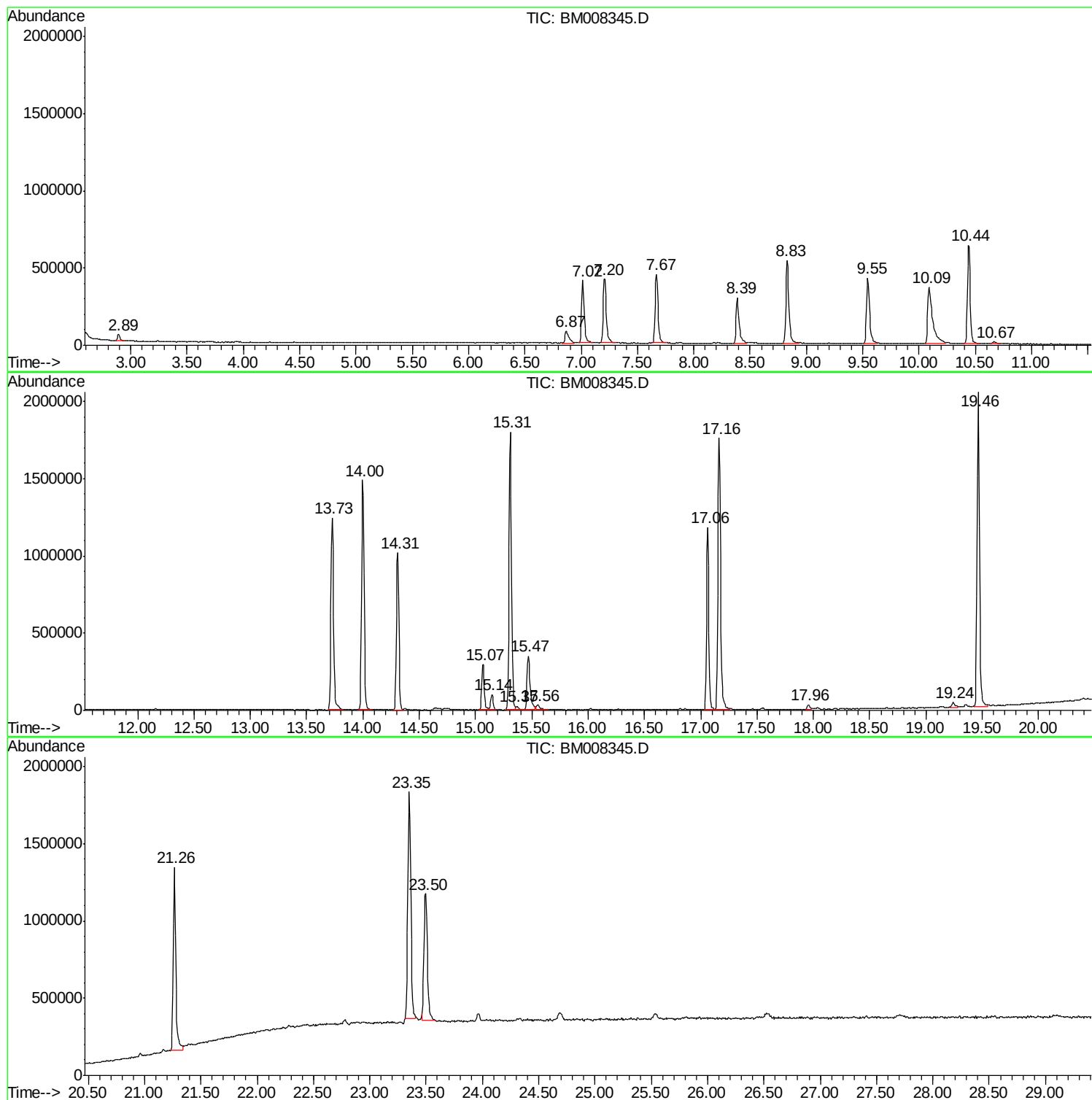
Sum of corrected areas: 30961041

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ClientSampled :  
DA8S2

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION

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



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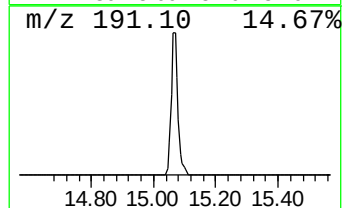
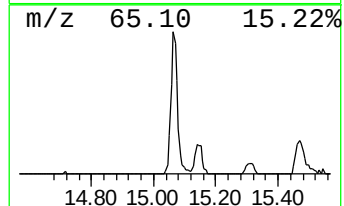
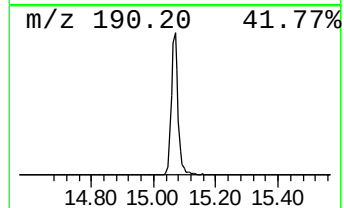
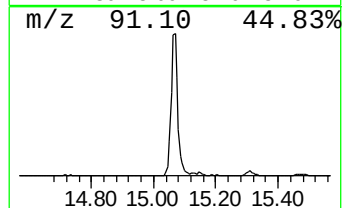
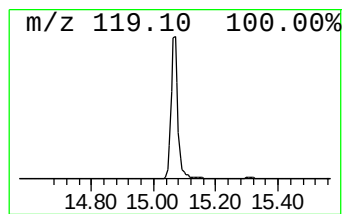
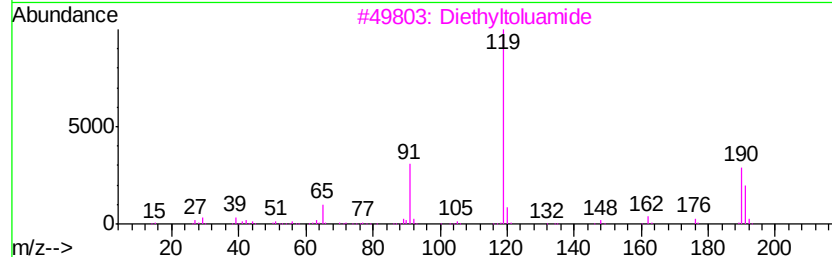
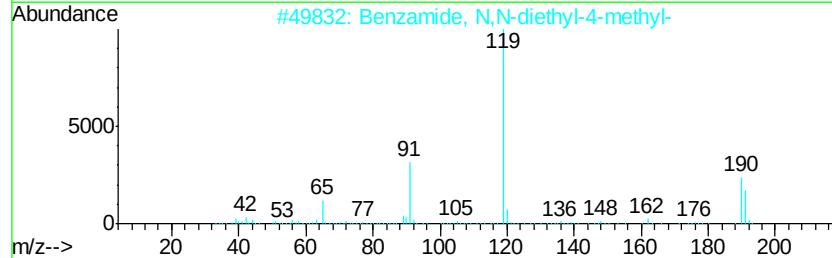
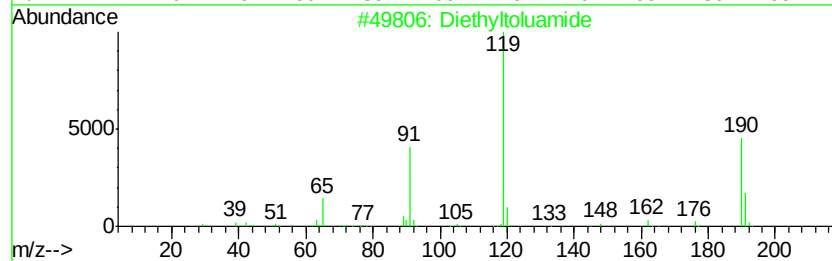
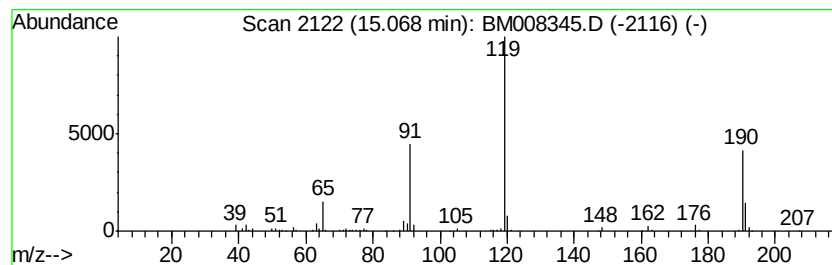
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Peak Number 1 Diethyltoluamide Concentration Rank 1

| R.T.    | EstConc    | Area                             | Relative to ISTD | R.T.           |
|---------|------------|----------------------------------|------------------|----------------|
| 15.07   | 5.85 ng/ul | 443007                           | Acenaphthene-d10 | 14.31          |
| Hit# of | 5          | Tentative ID                     | MW MolForm       | CAS# Qual      |
| 1       |            | Diethyltoluamide                 | 191 C12H17NO     | 000134-62-3 96 |
| 2       |            | Benzamide, N,N-diethyl-4-methyl- | 191 C12H17NO     | 002728-05-4 81 |
| 3       |            | Diethyltoluamide                 | 191 C12H17NO     | 000134-62-3 74 |
| 4       |            | Diethyltoluamide                 | 191 C12H17NO     | 000134-62-3 60 |
| 5       |            | Diethyltoluamide                 | 191 C12H17NO     | 000134-62-3 60 |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Diethyltoluamide | 15.07 | 5.8     | ng/ul | 443007   | 3                     | 14.31 | 1514590 | 20.0 |