

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\  
 Data File : BM023822.D  
 Acq On : 20 Nov 2019 06:55  
 Operator : JU  
 Sample : K5847-06  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFPS7

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.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         | 2.981       | 12            | 16          | 22           | rVB      | 636807         | 622375        | 14.19%          | 2.692%        |
| 2         | 3.281       | 63            | 67          | 69           | rBV      | 57266          | 70909         | 1.62%           | 0.307%        |
| 3         | 3.304       | 69            | 71          | 79           | rVB2     | 77716          | 92905         | 2.12%           | 0.402%        |
| 4         | 3.534       | 108           | 110         | 117          | rVB4     | 13412          | 18537         | 0.42%           | 0.080%        |
| 5         | 3.628       | 124           | 126         | 131          | rVB2     | 16121          | 16033         | 0.37%           | 0.069%        |
| 6         | 3.681       | 131           | 135         | 142          | rVV3     | 26806          | 45178         | 1.03%           | 0.195%        |
| 7         | 3.769       | 145           | 150         | 158          | rVB2     | 42634          | 71958         | 1.64%           | 0.311%        |
| 8         | 3.881       | 164           | 169         | 172          | rVB      | 28089          | 37149         | 0.85%           | 0.161%        |
| 9         | 4.298       | 237           | 240         | 247          | rVB5     | 17965          | 30747         | 0.70%           | 0.133%        |
| 10        | 4.404       | 254           | 258         | 261          | rVB      | 22635          | 29514         | 0.67%           | 0.128%        |
| 11        | 4.504       | 271           | 275         | 279          | rVB3     | 22305          | 27727         | 0.63%           | 0.120%        |
| 12        | 4.598       | 286           | 291         | 297          | rVB      | 57699          | 79276         | 1.81%           | 0.343%        |
| 13        | 4.916       | 341           | 345         | 348          | rBV3     | 14982          | 16873         | 0.38%           | 0.073%        |
| 14        | 5.004       | 356           | 360         | 363          | rBV5     | 16290          | 19100         | 0.44%           | 0.083%        |
| 15        | 5.187       | 387           | 391         | 396          | rBV4     | 11367          | 18141         | 0.41%           | 0.078%        |
| 16        | 5.340       | 411           | 417         | 422          | rBV9     | 10344          | 22973         | 0.52%           | 0.099%        |
| 17        | 5.545       | 447           | 452         | 461          | rVB7     | 12912          | 27120         | 0.62%           | 0.117%        |
| 18        | 5.816       | 493           | 498         | 501          | rBV5     | 11152          | 18020         | 0.41%           | 0.078%        |
| 19        | 6.534       | 617           | 620         | 625          | rVB3     | 16084          | 21543         | 0.49%           | 0.093%        |
| 20        | 6.663       | 638           | 642         | 644          | rBV4     | 13419          | 19045         | 0.43%           | 0.082%        |
| 21        | 7.175       | 724           | 729         | 733          | rVB2     | 19967          | 30881         | 0.70%           | 0.134%        |
| 22        | 7.451       | 764           | 776         | 779          | rBV10    | 10409          | 30255         | 0.69%           | 0.131%        |
| 23        | 7.516       | 779           | 787         | 798          | rVV      | 1627183        | 2559124       | 58.34%          | 11.068%       |
| 24        | 7.757       | 823           | 828         | 832          | rBV2     | 37116          | 53863         | 1.23%           | 0.233%        |
| 25        | 7.798       | 832           | 835         | 839          | rVB6     | 11976          | 18690         | 0.43%           | 0.081%        |
| 26        | 8.069       | 875           | 881         | 893          | rVB      | 50079          | 96023         | 2.19%           | 0.415%        |
| 27        | 8.198       | 899           | 903         | 908          | rVB4     | 9342           | 15360         | 0.35%           | 0.066%        |
| 28        | 8.392       | 931           | 936         | 942          | rBV7     | 17860          | 33185         | 0.76%           | 0.144%        |
| 29        | 8.610       | 967           | 973         | 979          | rVB9     | 14265          | 29155         | 0.66%           | 0.126%        |
| 30        | 8.757       | 996           | 998         | 1006         | rVB7     | 14740          | 31150         | 0.71%           | 0.135%        |
| 31        | 9.051       | 1043          | 1048        | 1053         | rBV9     | 6631           | 14669         | 0.33%           | 0.063%        |
| 32        | 9.163       | 1063          | 1067        | 1071         | rVV4     | 13967          | 20635         | 0.47%           | 0.089%        |
| 33        | 9.222       | 1071          | 1077        | 1082         | rVB6     | 24954          | 41338         | 0.94%           | 0.179%        |
| 34        | 9.357       | 1095          | 1100        | 1101         | rBV5     | 10642          | 17346         | 0.40%           | 0.075%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 9.375  | 1101 | 1103 | 1112 | rVV5 | 24294   | 44635   | 1.02%   | 0.193%  |
| 36 | 9.480  | 1116 | 1121 | 1130 | rVB7 | 37840   | 87574   | 2.00%   | 0.379%  |
| 37 | 9.698  | 1154 | 1158 | 1160 | rBV4 | 12209   | 16776   | 0.38%   | 0.073%  |
| 38 | 9.722  | 1160 | 1162 | 1172 | rVB6 | 19484   | 42781   | 0.98%   | 0.185%  |
| 39 | 9.804  | 1172 | 1176 | 1178 | rBV2 | 12875   | 14564   | 0.33%   | 0.063%  |
| 40 | 9.898  | 1188 | 1192 | 1197 | rBV8 | 11941   | 18240   | 0.42%   | 0.079%  |
| 41 | 10.004 | 1205 | 1210 | 1213 | rBV7 | 13316   | 23940   | 0.55%   | 0.104%  |
| 42 | 10.057 | 1213 | 1219 | 1220 | rVV7 | 11504   | 18205   | 0.42%   | 0.079%  |
| 43 | 10.163 | 1234 | 1237 | 1242 | rVB6 | 19624   | 30402   | 0.69%   | 0.131%  |
| 44 | 10.292 | 1248 | 1259 | 1271 | rBV  | 2115967 | 3584384 | 81.71%  | 15.503% |
| 45 | 10.422 | 1277 | 1281 | 1286 | rVB7 | 17766   | 29365   | 0.67%   | 0.127%  |
| 46 | 10.486 | 1287 | 1292 | 1296 | rVB7 | 17849   | 32289   | 0.74%   | 0.140%  |
| 47 | 10.704 | 1324 | 1329 | 1334 | rVB8 | 23901   | 52362   | 1.19%   | 0.226%  |
| 48 | 10.792 | 1334 | 1344 | 1348 | rBV7 | 43473   | 95016   | 2.17%   | 0.411%  |
| 49 | 10.833 | 1349 | 1351 | 1355 | rVB2 | 14592   | 17639   | 0.40%   | 0.076%  |
| 50 | 10.904 | 1360 | 1363 | 1368 | rVV7 | 11771   | 21636   | 0.49%   | 0.094%  |
| 51 | 10.986 | 1372 | 1377 | 1383 | rVB5 | 45159   | 90873   | 2.07%   | 0.393%  |
| 52 | 11.063 | 1384 | 1390 | 1392 | rBV5 | 18082   | 31973   | 0.73%   | 0.138%  |
| 53 | 11.345 | 1434 | 1438 | 1442 | rBV4 | 41737   | 81912   | 1.87%   | 0.354%  |
| 54 | 11.486 | 1458 | 1462 | 1467 | rBV5 | 22523   | 31835   | 0.73%   | 0.138%  |
| 55 | 11.592 | 1476 | 1480 | 1491 | rVB6 | 45952   | 99307   | 2.26%   | 0.430%  |
| 56 | 12.045 | 1553 | 1557 | 1561 | rBV4 | 42991   | 73151   | 1.67%   | 0.316%  |
| 57 | 12.151 | 1571 | 1575 | 1578 | rBV2 | 15937   | 20033   | 0.46%   | 0.087%  |
| 58 | 12.245 | 1587 | 1591 | 1600 | rVB6 | 48479   | 92349   | 2.11%   | 0.399%  |
| 59 | 12.321 | 1600 | 1604 | 1607 | rBV5 | 23175   | 37716   | 0.86%   | 0.163%  |
| 60 | 12.598 | 1646 | 1651 | 1657 | rBV4 | 60268   | 109019  | 2.49%   | 0.472%  |
| 61 | 12.727 | 1669 | 1673 | 1675 | rBV2 | 47275   | 56050   | 1.28%   | 0.242%  |
| 62 | 12.768 | 1676 | 1680 | 1684 | rBV5 | 41332   | 63647   | 1.45%   | 0.275%  |
| 63 | 12.951 | 1708 | 1711 | 1714 | rBV3 | 52785   | 73745   | 1.68%   | 0.319%  |
| 64 | 13.598 | 1816 | 1821 | 1826 | rBV  | 223739  | 330328  | 7.53%   | 1.429%  |
| 65 | 13.686 | 1832 | 1836 | 1839 | rBV2 | 82297   | 117769  | 2.68%   | 0.509%  |
| 66 | 13.951 | 1879 | 1881 | 1887 | rVB4 | 51115   | 70324   | 1.60%   | 0.304%  |
| 67 | 14.010 | 1887 | 1891 | 1895 | rVB2 | 189530  | 237492  | 5.41%   | 1.027%  |
| 68 | 14.174 | 1910 | 1919 | 1930 | rVB2 | 2758910 | 4386666 | 100.00% | 18.973% |
| 69 | 14.727 | 2011 | 2013 | 2018 | rVB3 | 80012   | 100692  | 2.30%   | 0.435%  |
| 70 | 14.974 | 2051 | 2055 | 2061 | rBV3 | 203953  | 302705  | 6.90%   | 1.309%  |
| 71 | 15.951 | 2218 | 2221 | 2231 | rVB  | 242310  | 367325  | 8.37%   | 1.589%  |

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|----|--------|------|------|------|------|---------|---------|--------|---------|
| 72 | 16.774 | 2358 | 2361 | 2365 | rVB2 | 248222  | 337324  | 7.69%  | 1.459%  |
| 73 | 16.927 | 2382 | 2387 | 2394 | rBV  | 2613120 | 3901933 | 88.95% | 16.876% |
| 74 | 21.133 | 3100 | 3102 | 3108 | rVB  | 3002674 | 3680386 | 83.90% | 15.918% |

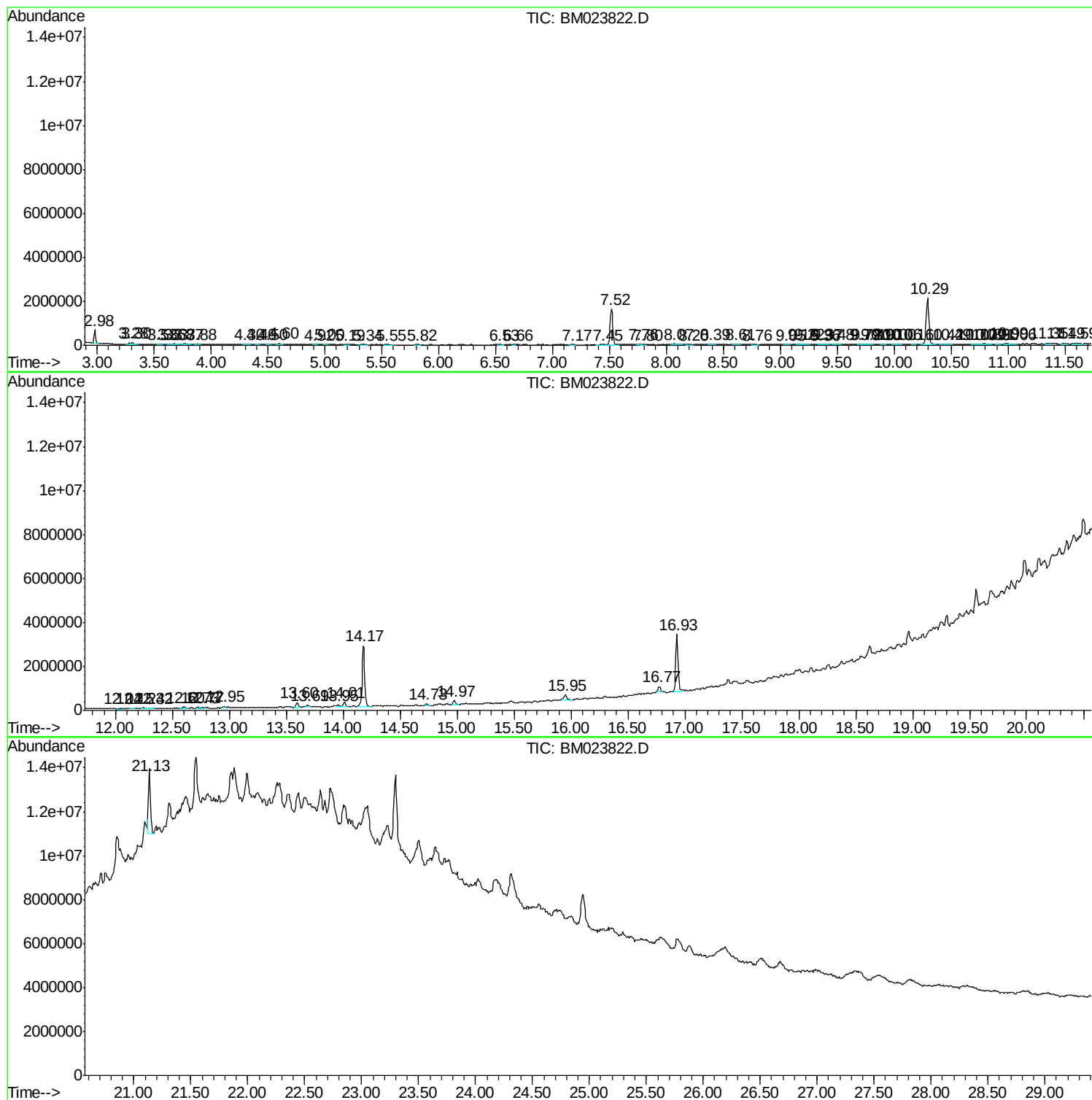
Sum of corrected areas: 23121159

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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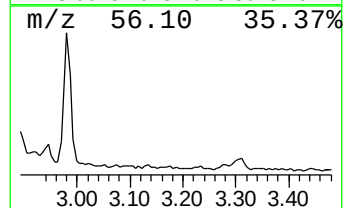
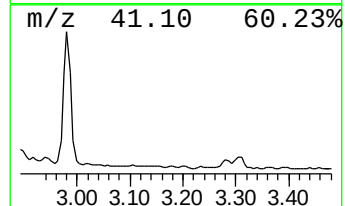
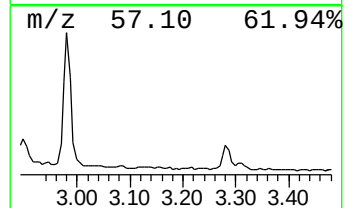
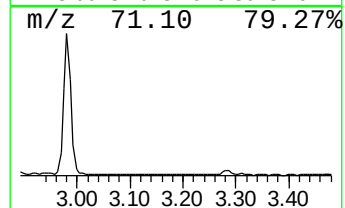
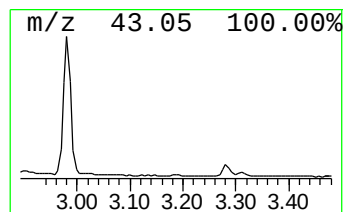
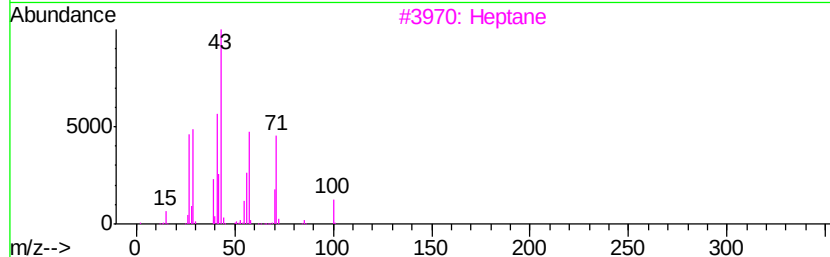
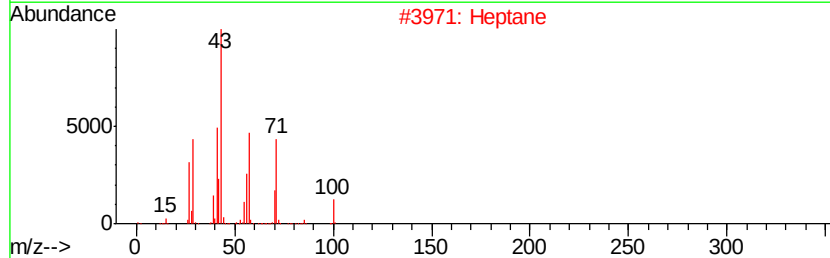
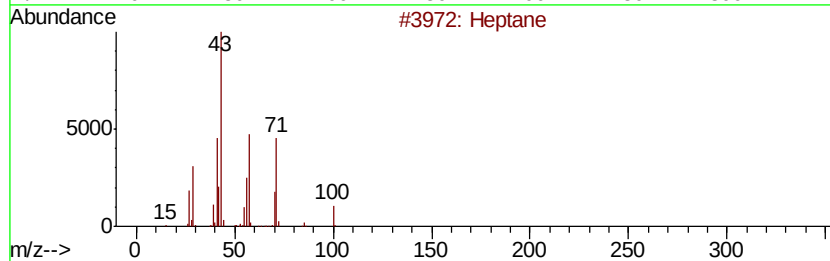
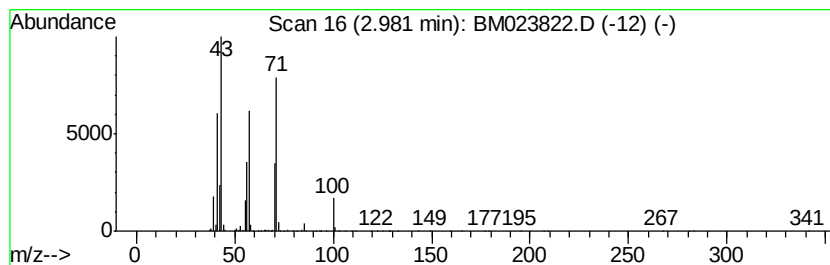
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.98 | 4.86 ng/ul | 622375 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane               | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane               | 100 | C7H16   | 000142-82-5 | 91   |
| 3    |    | Heptane               | 100 | C7H16   | 000142-82-5 | 91   |
| 4    |    | Heptane               | 100 | C7H16   | 000142-82-5 | 64   |
| 5    |    | Butane, 2,2-dimethyl- | 86  | C6H14   | 000075-83-2 | 59   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| (DEL) Alkane: Str... | 2.98 | 4.9     | ng/ul | 622375   | 1                     | 7.52 | 2559120 | 20.0 |