

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032618\  
 Data File : BN000622.D  
 Acq On : 26 Mar 2018 16:28  
 Operator : JU/SJ  
 Sample : J1986-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEEJ2

## 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\_N\METHODS\SOM-EPA-BN031918.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.584    | 22         | 25       | 31        | rVB   | 9613        | 15025      | 0.67%        | 0.065%     |
| 2      | 4.096    | 108        | 112      | 117       | rVB4  | 4220        | 6663       | 0.30%        | 0.029%     |
| 3      | 4.408    | 162        | 165      | 171       | rVB   | 4691        | 6827       | 0.30%        | 0.029%     |
| 4      | 4.761    | 220        | 225      | 230       | rBV   | 29276       | 41418      | 1.84%        | 0.178%     |
| 5      | 5.402    | 328        | 334      | 340       | rBV   | 41816       | 62192      | 2.76%        | 0.268%     |
| 6      | 5.943    | 423        | 426      | 431       | rVB2  | 1214        | 2407       | 0.11%        | 0.010%     |
| 7      | 6.414    | 503        | 506      | 510       | rBV3  | 4186        | 5652       | 0.25%        | 0.024%     |
| 8      | 6.566    | 528        | 532      | 540       | rVB4  | 3009        | 4591       | 0.20%        | 0.020%     |
| 9      | 6.984    | 598        | 603      | 611       | rVB4  | 3746        | 8340       | 0.37%        | 0.036%     |
| 10     | 7.555    | 692        | 700      | 713       | rBV   | 272005      | 481665     | 21.38%       | 2.075%     |
| 11     | 7.713    | 720        | 727      | 736       | rBV   | 341369      | 543899     | 24.14%       | 2.343%     |
| 12     | 7.825    | 740        | 746      | 751       | rVB4  | 7378        | 14282      | 0.63%        | 0.062%     |
| 13     | 7.937    | 758        | 765      | 772       | rBV   | 265575      | 435831     | 19.34%       | 1.878%     |
| 14     | 8.413    | 838        | 846      | 859       | rBV   | 424578      | 693184     | 30.76%       | 2.986%     |
| 15     | 9.119    | 960        | 966      | 976       | rVV   | 272957      | 454117     | 20.15%       | 1.956%     |
| 16     | 9.590    | 1039       | 1046     | 1056      | rBV   | 382451      | 666125     | 29.56%       | 2.870%     |
| 17     | 9.725    | 1064       | 1069     | 1073      | rBV3  | 2483        | 3117       | 0.14%        | 0.013%     |
| 18     | 9.943    | 1098       | 1106     | 1112      | rBV   | 8115        | 12952      | 0.57%        | 0.056%     |
| 19     | 10.319   | 1164       | 1170     | 1176      | rBV   | 83843       | 142211     | 6.31%        | 0.613%     |
| 20     | 10.866   | 1257       | 1263     | 1274      | rBV   | 246808      | 419939     | 18.64%       | 1.809%     |
| 21     | 11.249   | 1321       | 1328     | 1336      | rVB   | 583340      | 1019608    | 45.25%       | 4.393%     |
| 22     | 12.601   | 1554       | 1558     | 1561      | rBV2  | 1812        | 2994       | 0.13%        | 0.013%     |
| 23     | 12.807   | 1589       | 1593     | 1599      | rBV   | 7787        | 11668      | 0.52%        | 0.050%     |
| 24     | 13.537   | 1713       | 1717     | 1722      | rVB2  | 2295        | 3632       | 0.16%        | 0.016%     |
| 25     | 13.625   | 1727       | 1732     | 1734      | rBV3  | 2028        | 2491       | 0.11%        | 0.011%     |
| 26     | 13.819   | 1760       | 1765     | 1772      | rVB   | 16477       | 23720      | 1.05%        | 0.102%     |
| 27     | 14.343   | 1847       | 1854     | 1858      | rBV4  | 3214        | 6096       | 0.27%        | 0.026%     |
| 28     | 14.419   | 1861       | 1867     | 1871      | rVV   | 904822      | 1252884    | 55.60%       | 5.398%     |
| 29     | 14.466   | 1871       | 1875     | 1880      | rVV   | 185799      | 261072     | 11.59%       | 1.125%     |
| 30     | 14.513   | 1880       | 1883     | 1891      | rVB2  | 7513        | 11066      | 0.49%        | 0.048%     |
| 31     | 14.590   | 1891       | 1896     | 1899      | rBV2  | 5248        | 7702       | 0.34%        | 0.033%     |
| 32     | 14.637   | 1899       | 1904     | 1908      | rBV3  | 5211        | 9006       | 0.40%        | 0.039%     |
| 33     | 14.731   | 1914       | 1920     | 1932      | rBV   | 993706      | 1450266    | 64.36%       | 6.248%     |
| 34     | 14.878   | 1937       | 1945     | 1954      | rVB   | 62635       | 87643      | 3.89%        | 0.378%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.960 | 1954 | 1959 | 1963 | rBV4 | 4302    | 7128    | 0.32%  | 0.031% |
| 36 | 15.031 | 1963 | 1971 | 1981 | rVV2 | 886982  | 1401022 | 62.18% | 6.036% |
| 37 | 15.225 | 1999 | 2004 | 2012 | rBV  | 28855   | 46640   | 2.07%  | 0.201% |
| 38 | 15.319 | 2015 | 2020 | 2026 | rVV4 | 6874    | 16265   | 0.72%  | 0.070% |
| 39 | 15.372 | 2026 | 2029 | 2033 | rVV2 | 7769    | 10777   | 0.48%  | 0.046% |
| 40 | 15.431 | 2033 | 2039 | 2044 | rVB5 | 7941    | 13670   | 0.61%  | 0.059% |
| 41 | 15.490 | 2044 | 2049 | 2052 | rBV2 | 15179   | 20579   | 0.91%  | 0.089% |
| 42 | 15.519 | 2052 | 2054 | 2058 | rVV3 | 4631    | 5503    | 0.24%  | 0.024% |
| 43 | 15.560 | 2058 | 2061 | 2066 | rVB3 | 7899    | 9237    | 0.41%  | 0.040% |
| 44 | 15.672 | 2075 | 2080 | 2081 | rBV4 | 1767    | 2556    | 0.11%  | 0.011% |
| 45 | 15.707 | 2083 | 2086 | 2092 | rVV5 | 3395    | 5878    | 0.26%  | 0.025% |
| 46 | 15.778 | 2094 | 2098 | 2101 | rVV  | 6308    | 10308   | 0.46%  | 0.044% |
| 47 | 15.819 | 2101 | 2105 | 2111 | rVV  | 78950   | 104506  | 4.64%  | 0.450% |
| 48 | 15.884 | 2111 | 2116 | 2119 | rVV3 | 5339    | 9301    | 0.41%  | 0.040% |
| 49 | 15.931 | 2119 | 2124 | 2128 | rVV5 | 4397    | 9052    | 0.40%  | 0.039% |
| 50 | 16.013 | 2132 | 2138 | 2145 | rVV  | 1374516 | 1963432 | 87.14% | 8.459% |
| 51 | 16.060 | 2145 | 2146 | 2152 | rVB4 | 5177    | 4480    | 0.20%  | 0.019% |
| 52 | 16.131 | 2155 | 2158 | 2162 | rVB4 | 4389    | 5178    | 0.23%  | 0.022% |
| 53 | 16.225 | 2167 | 2174 | 2176 | rBV3 | 18353   | 36779   | 1.63%  | 0.158% |
| 54 | 16.319 | 2187 | 2190 | 2195 | rVB2 | 7865    | 9355    | 0.42%  | 0.040% |
| 55 | 16.372 | 2195 | 2199 | 2203 | rBV3 | 8751    | 13706   | 0.61%  | 0.059% |
| 56 | 16.442 | 2207 | 2211 | 2215 | rVV4 | 9546    | 11471   | 0.51%  | 0.049% |
| 57 | 16.513 | 2220 | 2223 | 2227 | rBV6 | 2605    | 4438    | 0.20%  | 0.019% |
| 58 | 16.631 | 2238 | 2243 | 2246 | rBV5 | 3116    | 4571    | 0.20%  | 0.020% |
| 59 | 16.678 | 2246 | 2251 | 2258 | rBV  | 69847   | 109191  | 4.85%  | 0.470% |
| 60 | 16.948 | 2293 | 2297 | 2298 | rBV3 | 3447    | 4330    | 0.19%  | 0.019% |
| 61 | 17.013 | 2305 | 2308 | 2312 | rBV4 | 5707    | 9122    | 0.40%  | 0.039% |
| 62 | 17.078 | 2316 | 2319 | 2323 | rVB2 | 7377    | 9134    | 0.41%  | 0.039% |
| 63 | 17.131 | 2323 | 2328 | 2332 | rBV5 | 4822    | 10081   | 0.45%  | 0.043% |
| 64 | 17.178 | 2334 | 2336 | 2341 | rVB3 | 4467    | 5757    | 0.26%  | 0.025% |
| 65 | 17.248 | 2345 | 2348 | 2351 | rBV4 | 2858    | 4006    | 0.18%  | 0.017% |
| 66 | 17.289 | 2351 | 2355 | 2359 | rVB4 | 4025    | 5659    | 0.25%  | 0.024% |
| 67 | 17.460 | 2380 | 2384 | 2388 | rBV  | 33485   | 39024   | 1.73%  | 0.168% |
| 68 | 17.513 | 2389 | 2393 | 2396 | rVV3 | 8396    | 13810   | 0.61%  | 0.059% |
| 69 | 17.542 | 2396 | 2398 | 2403 | rVB2 | 7718    | 11368   | 0.50%  | 0.049% |
| 70 | 17.760 | 2427 | 2435 | 2443 | rVB2 | 1126178 | 1688347 | 74.93% | 7.274% |
| 71 | 17.854 | 2445 | 2451 | 2459 | rVB2 | 1210406 | 1745361 | 77.46% | 7.519% |

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 18.195 | 2505 | 2509 | 2513 | rBV5 | 9747    | 16195   | 0.72%   | 0.070% |
| 73 | 18.589 | 2572 | 2576 | 2585 | rBV3 | 26859   | 40325   | 1.79%   | 0.174% |
| 74 | 18.966 | 2636 | 2640 | 2643 | rBV2 | 25958   | 35782   | 1.59%   | 0.154% |
| 75 | 19.119 | 2661 | 2666 | 2671 | rVB2 | 62515   | 91977   | 4.08%   | 0.396% |
| 76 | 19.748 | 2770 | 2773 | 2777 | rBV  | 21904   | 27268   | 1.21%   | 0.117% |
| 77 | 20.113 | 2829 | 2835 | 2844 | rBV  | 1615956 | 2253261 | 100.00% | 9.708% |
| 78 | 21.530 | 3072 | 3076 | 3089 | rVB  | 408282  | 576256  | 25.57%  | 2.483% |
| 79 | 21.877 | 3130 | 3135 | 3141 | rBV  | 1428679 | 1911186 | 84.82%  | 8.234% |
| 80 | 24.201 | 3525 | 3530 | 3539 | rVB2 | 324804  | 634859  | 28.18%  | 2.735% |
| 81 | 24.360 | 3551 | 3557 | 3568 | rVB2 | 955134  | 2072826 | 91.99%  | 8.930% |

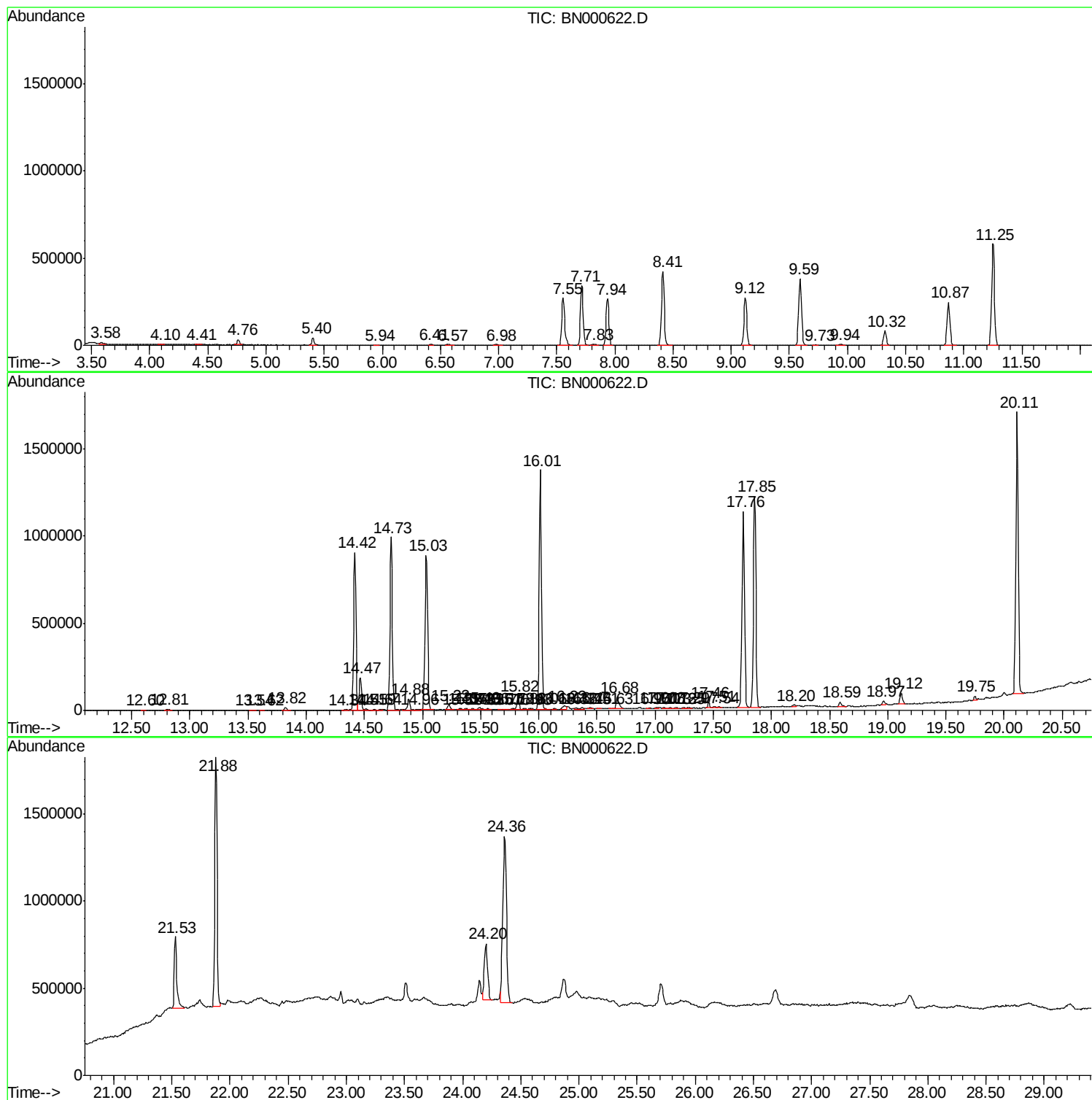
Sum of corrected areas: 23211242

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Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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



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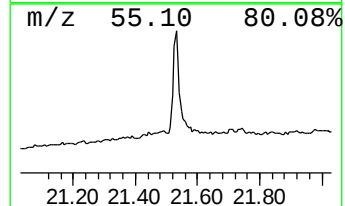
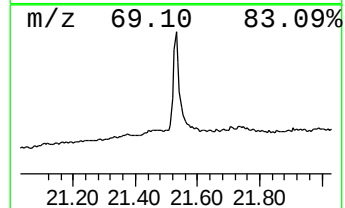
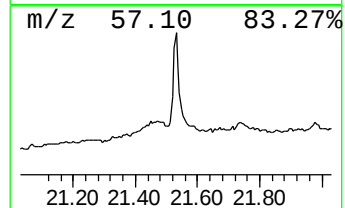
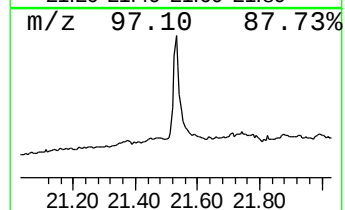
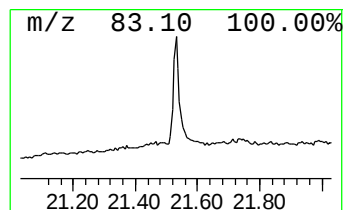
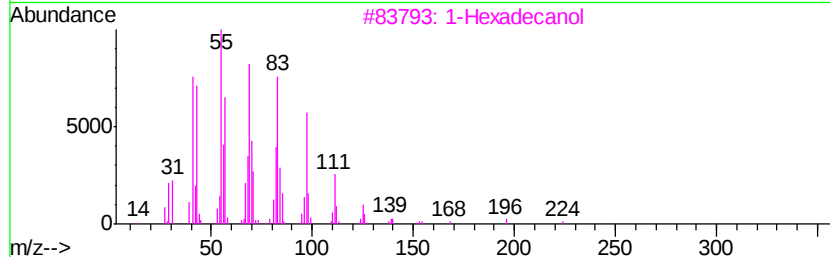
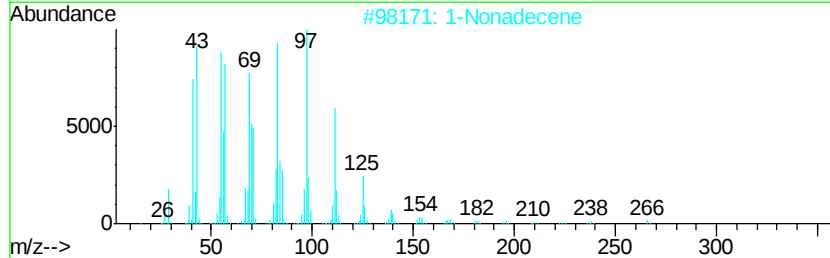
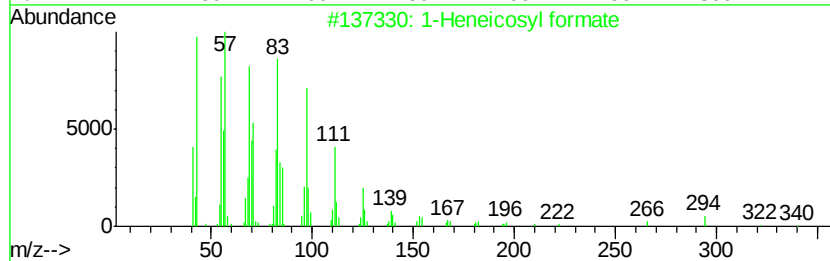
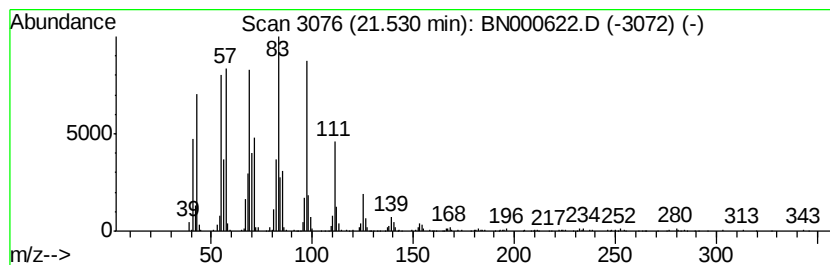
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Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 1-Heneicosyl formate Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |             |      |
|---------|-------------------------------------|--------------|------------------|-------------|-------------|------|
| 21.53   | 6.03 ng/ul                          | 576256       | Chrysene-d12     | 21.88       |             |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS#        | Qual |
| 1       | 1-Heneicosyl                        | formate      | 340              | C22H44O2    | 077899-03-7 | 94   |
| 2       | 1-Nonadecene                        |              | 266              | C19H38      | 018435-45-5 | 91   |
| 3       | 1-Hexadecanol                       |              | 242              | C16H34O     | 036653-82-4 | 90   |
| 4       | 1-Heptadecene                       |              | 238              | C17H34      | 006765-39-5 | 90   |
| 5       | Trichloroacetic acid, tetradecyl... |              | 358              | C16H29Cl3O2 | 074339-52-9 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Heneicosyl formate | 21.53 | 6.0     | ng/ul | 576256   | 5                     | 21.88 | 1911190 | 20.0 |