

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021716\  
 Data File : BG020926.D  
 Acq On : 17 Feb 2016 14:50  
 Operator : SJ/UM  
 Sample : H1477-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0311-S03-0003

## 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\_G\METHODS\SOM02.2-EPA-BG020816.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         | 3.246       | 64            | 69          | 78           | rBV      | 25815          | 44724         | 8.11%           | 0.757%        |
| 2         | 3.317       | 78            | 81          | 90           | rVB      | 7987           | 11123         | 2.02%           | 0.188%        |
| 3         | 3.593       | 125           | 128         | 137          | rVB2     | 3542           | 5821          | 1.06%           | 0.099%        |
| 4         | 4.621       | 300           | 303         | 305          | rBV3     | 502            | 789           | 0.14%           | 0.013%        |
| 5         | 5.631       | 472           | 475         | 478          | rBV2     | 814            | 812           | 0.15%           | 0.014%        |
| 6         | 6.054       | 543           | 547         | 549          | rBV2     | 615            | 999           | 0.18%           | 0.017%        |
| 7         | 6.565       | 630           | 634         | 637          | rBV2     | 579            | 1026          | 0.19%           | 0.017%        |
| 8         | 6.712       | 657           | 659         | 664          | rBV      | 542            | 950           | 0.17%           | 0.016%        |
| 9         | 7.211       | 741           | 744         | 748          | rVB2     | 817            | 1010          | 0.18%           | 0.017%        |
| 10        | 7.399       | 770           | 776         | 784          | rBV      | 64886          | 107579        | 19.51%          | 1.821%        |
| 11        | 7.576       | 799           | 806         | 812          | rBV      | 60174          | 98251         | 17.82%          | 1.663%        |
| 12        | 7.787       | 834           | 842         | 850          | rBV      | 68115          | 112921        | 20.48%          | 1.911%        |
| 13        | 8.263       | 915           | 923         | 929          | rBV      | 48836          | 82201         | 14.91%          | 1.391%        |
| 14        | 8.956       | 1034          | 1041        | 1051         | rVB2     | 99467          | 162735        | 29.51%          | 2.754%        |
| 15        | 9.432       | 1113          | 1122        | 1131         | rBB      | 66530          | 115807        | 21.00%          | 1.960%        |
| 16        | 9.520       | 1131          | 1137        | 1145         | rBV2     | 6636           | 12163         | 2.21%           | 0.206%        |
| 17        | 10.154      | 1238          | 1245        | 1253         | rBV      | 52950          | 92316         | 16.74%          | 1.562%        |
| 18        | 10.695      | 1329          | 1337        | 1345         | rVB      | 92881          | 159910        | 29.00%          | 2.706%        |
| 19        | 11.088      | 1397          | 1404        | 1411         | rVB      | 87069          | 155766        | 28.25%          | 2.636%        |
| 20        | 11.212      | 1418          | 1425        | 1434         | rVB      | 103119         | 184769        | 33.51%          | 3.127%        |
| 21        | 11.981      | 1553          | 1556        | 1561         | rBB2     | 653            | 1015          | 0.18%           | 0.017%        |
| 22        | 12.645      | 1666          | 1669        | 1675         | rVB2     | 1592           | 2316          | 0.42%           | 0.039%        |
| 23        | 13.238      | 1767          | 1770        | 1773         | rBB2     | 748            | 904           | 0.16%           | 0.015%        |
| 24        | 13.479      | 1809          | 1811        | 1815         | rVB2     | 1501           | 1432          | 0.26%           | 0.024%        |
| 25        | 13.685      | 1843          | 1846        | 1848         | rVB      | 905            | 744           | 0.13%           | 0.013%        |
| 26        | 13.755      | 1854          | 1858        | 1861         | rVB2     | 1685           | 2267          | 0.41%           | 0.038%        |
| 27        | 14.272      | 1939          | 1946        | 1950         | rBV      | 195802         | 299193        | 54.26%          | 5.064%        |
| 28        | 14.313      | 1950          | 1953        | 1959         | rVV      | 110512         | 148249        | 26.89%          | 2.509%        |
| 29        | 14.372      | 1960          | 1963        | 1966         | rVB      | 733            | 1041          | 0.19%           | 0.018%        |
| 30        | 14.572      | 1990          | 1997        | 2004         | rBV      | 252106         | 385862        | 69.98%          | 6.530%        |
| 31        | 14.742      | 2021          | 2026        | 2031         | rBV      | 8698           | 11495         | 2.08%           | 0.195%        |
| 32        | 14.819      | 2035          | 2039        | 2042         | rVV3     | 964            | 971           | 0.18%           | 0.016%        |
| 33        | 14.872      | 2042          | 2048        | 2055         | rVB2     | 157842         | 253082        | 45.90%          | 4.283%        |
| 34        | 15.048      | 2071          | 2078        | 2087         | rBV      | 74690          | 118847        | 21.55%          | 2.011%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.177 | 2098 | 2100 | 2107 | rVB3 | 1751   | 3481   | 0.63%  | 0.059% |
| 36 | 15.242 | 2107 | 2111 | 2116 | rVB3 | 1893   | 2535   | 0.46%  | 0.043% |
| 37 | 15.300 | 2116 | 2121 | 2124 | rBB2 | 1352   | 1937   | 0.35%  | 0.033% |
| 38 | 15.353 | 2125 | 2130 | 2134 | rBV2 | 2504   | 3641   | 0.66%  | 0.062% |
| 39 | 15.424 | 2138 | 2142 | 2147 | rBB2 | 1702   | 2395   | 0.43%  | 0.041% |
| 40 | 15.588 | 2164 | 2170 | 2172 | rBV2 | 811    | 1179   | 0.21%  | 0.020% |
| 41 | 15.641 | 2175 | 2179 | 2183 | rVV  | 5197   | 7186   | 1.30%  | 0.122% |
| 42 | 15.688 | 2183 | 2187 | 2192 | rVB  | 16885  | 20410  | 3.70%  | 0.345% |
| 43 | 15.753 | 2192 | 2198 | 2203 | rBV2 | 1494   | 2603   | 0.47%  | 0.044% |
| 44 | 15.858 | 2210 | 2216 | 2223 | rVB  | 342572 | 499498 | 90.59% | 8.454% |
| 45 | 15.964 | 2229 | 2234 | 2243 | rVB  | 59271  | 86457  | 15.68% | 1.463% |
| 46 | 16.093 | 2245 | 2256 | 2260 | rVV4 | 7895   | 15917  | 2.89%  | 0.269% |
| 47 | 16.135 | 2260 | 2263 | 2268 | rVV  | 1975   | 2818   | 0.51%  | 0.048% |
| 48 | 16.187 | 2268 | 2272 | 2277 | rVV3 | 2770   | 3840   | 0.70%  | 0.065% |
| 49 | 16.240 | 2277 | 2281 | 2288 | rVV3 | 2689   | 4972   | 0.90%  | 0.084% |
| 50 | 16.311 | 2290 | 2293 | 2297 | rVB2 | 3564   | 3966   | 0.72%  | 0.067% |
| 51 | 16.499 | 2323 | 2325 | 2328 | rVB  | 1614   | 1161   | 0.21%  | 0.020% |
| 52 | 16.546 | 2328 | 2333 | 2337 | rBV2 | 18052  | 28162  | 5.11%  | 0.477% |
| 53 | 16.716 | 2359 | 2362 | 2363 | rBV2 | 961    | 973    | 0.18%  | 0.016% |
| 54 | 16.816 | 2375 | 2379 | 2382 | rBV2 | 959    | 1156   | 0.21%  | 0.020% |
| 55 | 16.892 | 2386 | 2392 | 2395 | rBV2 | 2707   | 4956   | 0.90%  | 0.084% |
| 56 | 16.945 | 2399 | 2401 | 2406 | rVB2 | 1741   | 2496   | 0.45%  | 0.042% |
| 57 | 17.004 | 2408 | 2411 | 2416 | rVB3 | 2099   | 2443   | 0.44%  | 0.041% |
| 58 | 17.051 | 2416 | 2419 | 2425 | rVB  | 2213   | 3487   | 0.63%  | 0.059% |
| 59 | 17.121 | 2428 | 2431 | 2434 | rVB2 | 1849   | 1933   | 0.35%  | 0.033% |
| 60 | 17.151 | 2434 | 2436 | 2438 | rBV3 | 1195   | 1232   | 0.22%  | 0.021% |
| 61 | 17.333 | 2461 | 2467 | 2472 | rBV2 | 11445  | 15919  | 2.89%  | 0.269% |
| 62 | 17.386 | 2472 | 2476 | 2481 | rVV2 | 4640   | 7381   | 1.34%  | 0.125% |
| 63 | 17.427 | 2481 | 2483 | 2487 | rVB2 | 1145   | 1308   | 0.24%  | 0.022% |
| 64 | 17.609 | 2507 | 2514 | 2520 | rBV2 | 203624 | 299317 | 54.29% | 5.066% |
| 65 | 17.709 | 2524 | 2531 | 2537 | rVB  | 347880 | 510991 | 92.67% | 8.648% |
| 66 | 17.815 | 2544 | 2549 | 2552 | rBV2 | 1164   | 1620   | 0.29%  | 0.027% |
| 67 | 17.868 | 2554 | 2558 | 2561 | rBV  | 1091   | 1380   | 0.25%  | 0.023% |
| 68 | 17.961 | 2570 | 2574 | 2579 | rVB4 | 1670   | 2438   | 0.44%  | 0.041% |
| 69 | 18.073 | 2589 | 2593 | 2599 | rVB2 | 5966   | 7880   | 1.43%  | 0.133% |
| 70 | 18.543 | 2670 | 2673 | 2677 | rVB  | 1816   | 2204   | 0.40%  | 0.037% |
| 71 | 18.760 | 2706 | 2710 | 2714 | rBV3 | 2180   | 2534   | 0.46%  | 0.043% |

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 Title : SVOA CALIBRATION

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|----|--------|------|------|------|------|--------|--------|---------|--------|
| 72 | 18.884 | 2726 | 2731 | 2734 | rBV3 | 2241   | 2298   | 0.42%   | 0.039% |
| 73 | 19.606 | 2851 | 2854 | 2858 | rBV  | 3029   | 3880   | 0.70%   | 0.066% |
| 74 | 19.865 | 2893 | 2898 | 2902 | rBV  | 2082   | 3185   | 0.58%   | 0.054% |
| 75 | 19.976 | 2910 | 2917 | 2924 | rBV  | 379152 | 551380 | 100.00% | 9.332% |
| 76 | 20.070 | 2929 | 2933 | 2938 | rVB5 | 709    | 1006   | 0.18%   | 0.017% |
| 77 | 20.141 | 2941 | 2945 | 2946 | rBV2 | 733    | 758    | 0.14%   | 0.013% |
| 78 | 20.200 | 2952 | 2955 | 2958 | rBV3 | 1151   | 1467   | 0.27%   | 0.025% |
| 79 | 21.486 | 3170 | 3174 | 3184 | rBV5 | 9113   | 17897  | 3.25%   | 0.303% |
| 80 | 21.886 | 3235 | 3242 | 3249 | rBV  | 196151 | 323403 | 58.65%  | 5.473% |
| 81 | 25.028 | 3766 | 3777 | 3789 | rVB  | 198709 | 545773 | 98.98%  | 9.237% |
| 82 | 25.258 | 3806 | 3816 | 3830 | rVB2 | 111795 | 314674 | 57.07%  | 5.326% |

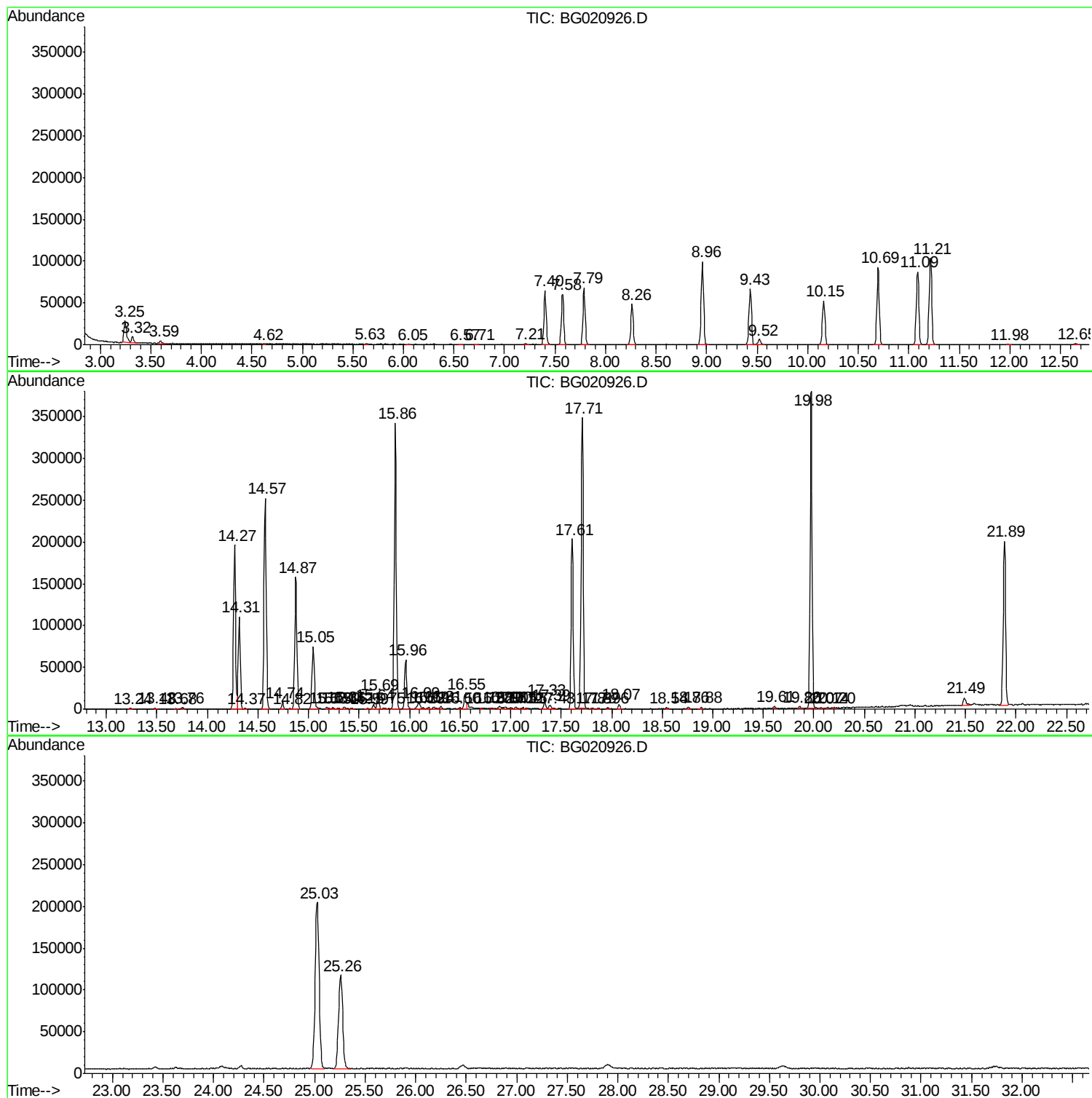
Sum of corrected areas: 5908617

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG020816.M  
Quant Title : SVOA CALIBRATION

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



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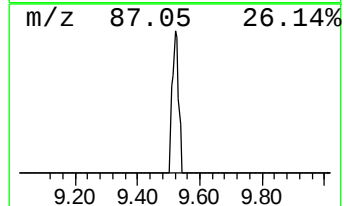
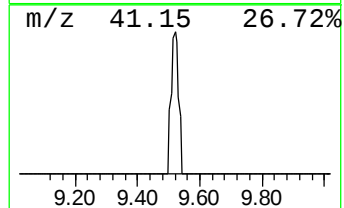
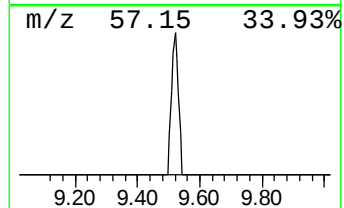
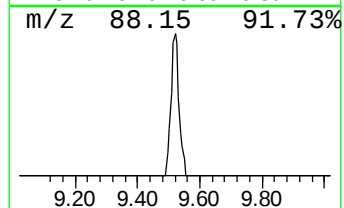
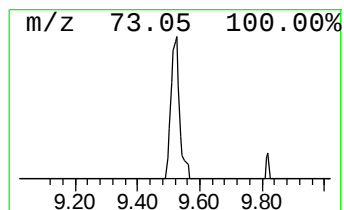
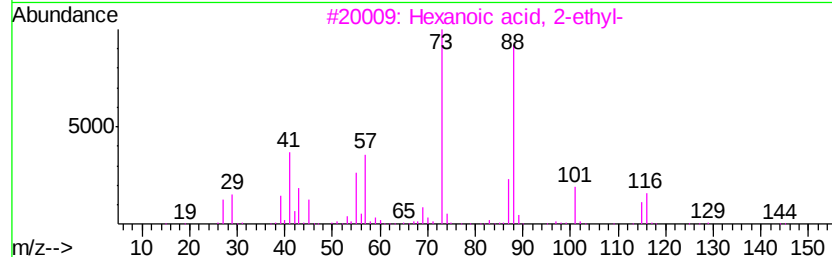
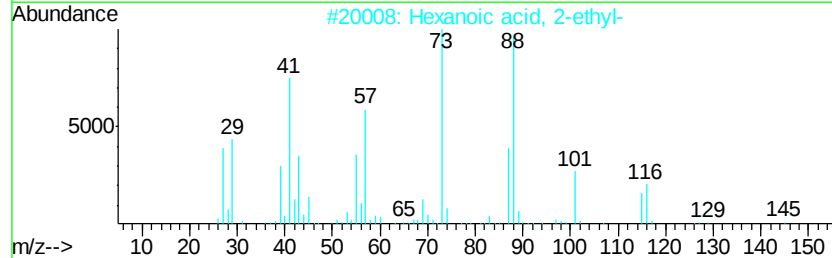
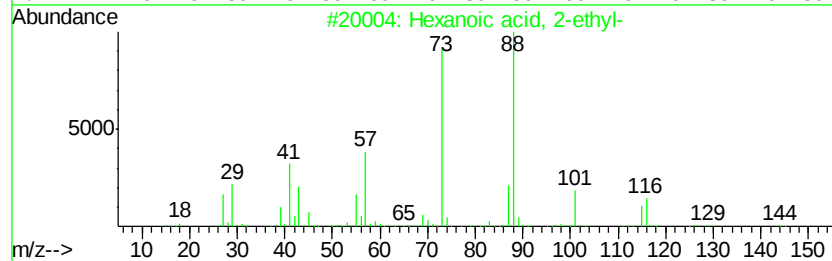
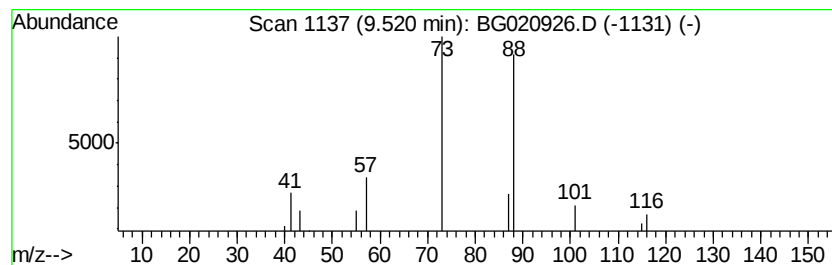
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Hexanoic acid, 2-ethyl- Concentration Rank 2

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 9.52 | 2.96 ng/ul | 12163 | 1,4-Dichlorobenzene-d4 | 8.26 |

| Hit# | of | Tentative ID                    | MW  | MolForm  | CAS#         | Qual |
|------|----|---------------------------------|-----|----------|--------------|------|
| 1    | 5  | Hexanoic acid, 2-ethyl-         | 144 | C8H16O2  | 000149-57-5  | 83   |
| 2    |    | Hexanoic acid, 2-ethyl-         | 144 | C8H16O2  | 000149-57-5  | 83   |
| 3    |    | Hexanoic acid, 2-ethyl-         | 144 | C8H16O2  | 000149-57-5  | 83   |
| 4    |    | Hexanoic acid, 2-ethyl-         | 144 | C8H16O2  | 000149-57-5  | 83   |
| 5    |    | 1-Methyl-1-silacyclopentan-1-ol | 116 | C5H12OSi | 1000216-84-4 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |       |      |
|----------------------|------|---------|-------|----------|-----------------------|------|-------|------|
|                      |      |         |       |          | #                     | RT   | Resp  | Conc |
| Hexanoic acid, 2-... | 9.52 | 3.0     | ng/ul | 12163    | 1                     | 8.26 | 82201 | 20.0 |