

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM011616\  
 Data File : BM004060.D  
 Acq On : 15 Jan 2016 22:37  
 Operator : SJ/UM  
 Sample : H1100-17  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC9D1

## 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\SOM02.2-EPA-BM010116.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         | 3.128       | 4             | 7           | 14           | rBV      | 5878           | 7301          | 0.76%           | 0.072%        |
| 2         | 3.416       | 52            | 56          | 61           | rBV3     | 1201           | 2537          | 0.26%           | 0.025%        |
| 3         | 6.845       | 633           | 639         | 651          | rBB      | 140552         | 226242        | 23.41%          | 2.227%        |
| 4         | 6.998       | 660           | 665         | 675          | rBB      | 118345         | 180419        | 18.67%          | 1.776%        |
| 5         | 7.198       | 693           | 699         | 708          | rBB      | 157702         | 238987        | 24.73%          | 2.352%        |
| 6         | 7.663       | 772           | 778         | 785          | rBB      | 133424         | 200531        | 20.75%          | 1.974%        |
| 7         | 8.375       | 893           | 899         | 910          | rBB      | 192237         | 302413        | 31.30%          | 2.976%        |
| 8         | 8.822       | 969           | 975         | 983          | rBV      | 151184         | 239556        | 24.79%          | 2.358%        |
| 9         | 8.969       | 997           | 1000        | 1006         | rBB      | 1182           | 2336          | 0.24%           | 0.023%        |
| 10        | 9.539       | 1092          | 1097        | 1104         | rBV      | 125040         | 201532        | 20.86%          | 1.983%        |
| 11        | 10.081      | 1183          | 1189        | 1201         | rBB      | 191709         | 315444        | 32.65%          | 3.104%        |
| 12        | 10.451      | 1245          | 1252        | 1260         | rBB      | 211576         | 338758        | 35.06%          | 3.334%        |
| 13        | 10.592      | 1270          | 1276        | 1291         | rBV      | 194300         | 323650        | 33.50%          | 3.185%        |
| 14        | 12.051      | 1520          | 1524        | 1527         | rBB      | 2197           | 2902          | 0.30%           | 0.029%        |
| 15        | 13.139      | 1706          | 1709        | 1711         | rBB      | 2176           | 2157          | 0.22%           | 0.021%        |
| 16        | 13.733      | 1804          | 1810        | 1814         | rBV      | 367099         | 504954        | 52.26%          | 4.970%        |
| 17        | 13.780      | 1814          | 1818        | 1824         | rVB      | 182439         | 245556        | 25.41%          | 2.417%        |
| 18        | 14.010      | 1851          | 1857        | 1869         | rBV      | 441979         | 633913        | 65.61%          | 6.239%        |
| 19        | 14.221      | 1889          | 1893        | 1896         | rBB      | 13460          | 16002         | 1.66%           | 0.157%        |
| 20        | 14.321      | 1904          | 1910        | 1917         | rBB2     | 315532         | 467434        | 48.38%          | 4.600%        |
| 21        | 14.539      | 1942          | 1947        | 1966         | rBV      | 112578         | 186309        | 19.28%          | 1.834%        |
| 22        | 14.663      | 1966          | 1968        | 1975         | rVB2     | 2213           | 3245          | 0.34%           | 0.032%        |
| 23        | 14.716      | 1976          | 1977        | 1980         | rBB      | 1853           | 1450          | 0.15%           | 0.014%        |
| 24        | 14.839      | 1994          | 1998        | 2001         | rBB      | 2797           | 3500          | 0.36%           | 0.034%        |
| 25        | 14.904      | 2007          | 2009        | 2012         | rBB      | 1304           | 1298          | 0.13%           | 0.013%        |
| 26        | 15.121      | 2043          | 2046        | 2050         | rBB      | 1618           | 1861          | 0.19%           | 0.018%        |
| 27        | 15.174      | 2051          | 2055        | 2059         | rBB      | 21985          | 25232         | 2.61%           | 0.248%        |
| 28        | 15.233      | 2062          | 2065        | 2068         | rBB      | 1174           | 1333          | 0.14%           | 0.013%        |
| 29        | 15.316      | 2073          | 2079        | 2087         | rBB      | 567277         | 799036        | 82.70%          | 7.864%        |
| 30        | 15.451      | 2098          | 2102        | 2109         | rBB      | 111980         | 142614        | 14.76%          | 1.404%        |
| 31        | 15.563      | 2117          | 2121        | 2123         | rBV2     | 6992           | 10278         | 1.06%           | 0.101%        |
| 32        | 15.621      | 2128          | 2131        | 2134         | rBB      | 1580           | 1771          | 0.18%           | 0.017%        |
| 33        | 15.674      | 2137          | 2140        | 2144         | rBB      | 1843           | 1842          | 0.19%           | 0.018%        |
| 34        | 15.733      | 2145          | 2150        | 2152         | rBB      | 2533           | 2763          | 0.29%           | 0.027%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 15.792 | 2157 | 2160 | 2164 | rBB2 | 2338   | 2411   | 0.25%   | 0.024% |
| 36 | 16.033 | 2197 | 2201 | 2213 | rBV  | 21178  | 36035  | 3.73%   | 0.355% |
| 37 | 16.374 | 2256 | 2259 | 2268 | rBV  | 2229   | 4381   | 0.45%   | 0.043% |
| 38 | 16.439 | 2268 | 2270 | 2272 | rVB  | 1150   | 1014   | 0.10%   | 0.010% |
| 39 | 16.545 | 2286 | 2288 | 2290 | rBB  | 1288   | 1062   | 0.11%   | 0.010% |
| 40 | 16.827 | 2333 | 2336 | 2340 | rBV  | 11145  | 13142  | 1.36%   | 0.129% |
| 41 | 16.880 | 2340 | 2345 | 2349 | rVB2 | 2472   | 4576   | 0.47%   | 0.045% |
| 42 | 17.074 | 2372 | 2378 | 2383 | rBV2 | 387571 | 556634 | 57.61%  | 5.478% |
| 43 | 17.115 | 2383 | 2385 | 2388 | rVV  | 9438   | 9197   | 0.95%   | 0.091% |
| 44 | 17.168 | 2388 | 2394 | 2406 | rVB2 | 606491 | 852303 | 88.21%  | 8.388% |
| 45 | 17.562 | 2459 | 2461 | 2465 | rVB2 | 3110   | 3551   | 0.37%   | 0.035% |
| 46 | 17.962 | 2524 | 2529 | 2532 | rBV2 | 6120   | 8901   | 0.92%   | 0.088% |
| 47 | 17.998 | 2532 | 2535 | 2539 | rVB  | 2690   | 3438   | 0.36%   | 0.034% |
| 48 | 18.145 | 2554 | 2560 | 2563 | rBV2 | 2886   | 4679   | 0.48%   | 0.046% |
| 49 | 18.180 | 2563 | 2566 | 2569 | rVB2 | 1417   | 1900   | 0.20%   | 0.019% |
| 50 | 18.874 | 2680 | 2684 | 2687 | rBB  | 2511   | 2434   | 0.25%   | 0.024% |
| 51 | 18.933 | 2689 | 2694 | 2696 | rBV2 | 644    | 968    | 0.10%   | 0.010% |
| 52 | 19.109 | 2720 | 2724 | 2726 | rBV  | 5497   | 6322   | 0.65%   | 0.062% |
| 53 | 19.139 | 2726 | 2729 | 2734 | rVB  | 19123  | 23135  | 2.39%   | 0.228% |
| 54 | 19.362 | 2763 | 2767 | 2774 | rBV2 | 3974   | 5290   | 0.55%   | 0.052% |
| 55 | 19.474 | 2780 | 2786 | 2797 | rBV2 | 685920 | 966227 | 100.00% | 9.509% |
| 56 | 19.839 | 2845 | 2848 | 2852 | rBV2 | 1279   | 2261   | 0.23%   | 0.022% |
| 57 | 20.003 | 2867 | 2876 | 2879 | rVB  | 2912   | 5110   | 0.53%   | 0.050% |
| 58 | 20.109 | 2890 | 2894 | 2897 | rBV  | 1695   | 2038   | 0.21%   | 0.020% |
| 59 | 20.162 | 2899 | 2903 | 2906 | rBV  | 1927   | 2517   | 0.26%   | 0.025% |
| 60 | 20.303 | 2924 | 2927 | 2931 | rBV  | 1823   | 2241   | 0.23%   | 0.022% |
| 61 | 20.350 | 2931 | 2935 | 2938 | rVV  | 1953   | 2347   | 0.24%   | 0.023% |
| 62 | 20.921 | 3030 | 3032 | 3035 | rVV2 | 1323   | 1516   | 0.16%   | 0.015% |
| 63 | 20.980 | 3036 | 3042 | 3058 | rVV3 | 59522  | 92773  | 9.60%   | 0.913% |
| 64 | 21.186 | 3074 | 3077 | 3081 | rVB  | 7612   | 7841   | 0.81%   | 0.077% |
| 65 | 21.274 | 3086 | 3092 | 3097 | rVV  | 422848 | 552530 | 57.18%  | 5.438% |
| 66 | 21.315 | 3097 | 3099 | 3102 | rVB  | 9774   | 9326   | 0.97%   | 0.092% |
| 67 | 21.386 | 3108 | 3111 | 3114 | rBV3 | 5769   | 6570   | 0.68%   | 0.065% |
| 68 | 21.580 | 3141 | 3144 | 3146 | rBV4 | 2740   | 3080   | 0.32%   | 0.030% |
| 69 | 21.633 | 3151 | 3153 | 3155 | rBV3 | 1748   | 1758   | 0.18%   | 0.017% |
| 70 | 21.850 | 3188 | 3190 | 3193 | rBV2 | 2475   | 3556   | 0.37%   | 0.035% |
| 71 | 22.315 | 3265 | 3269 | 3275 | rVB2 | 7815   | 10192  | 1.05%   | 0.100% |

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Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 22.780 | 3344 | 3348 | 3350 | rBV2 | 4280   | 6088   | 0.63%  | 0.060% |
| 73 | 22.815 | 3350 | 3354 | 3358 | rBV  | 8861   | 14377  | 1.49%  | 0.141% |
| 74 | 23.374 | 3441 | 3449 | 3463 | rVB  | 422503 | 771578 | 79.85% | 7.594% |
| 75 | 23.515 | 3465 | 3473 | 3485 | rVB  | 256423 | 464832 | 48.11% | 4.575% |
| 76 | 24.015 | 3553 | 3558 | 3564 | rBV  | 12240  | 21201  | 2.19%  | 0.209% |
| 77 | 24.756 | 3678 | 3684 | 3690 | rVB  | 8784   | 18988  | 1.97%  | 0.187% |
| 78 | 25.615 | 3825 | 3830 | 3838 | rVB4 | 6764   | 15470  | 1.60%  | 0.152% |

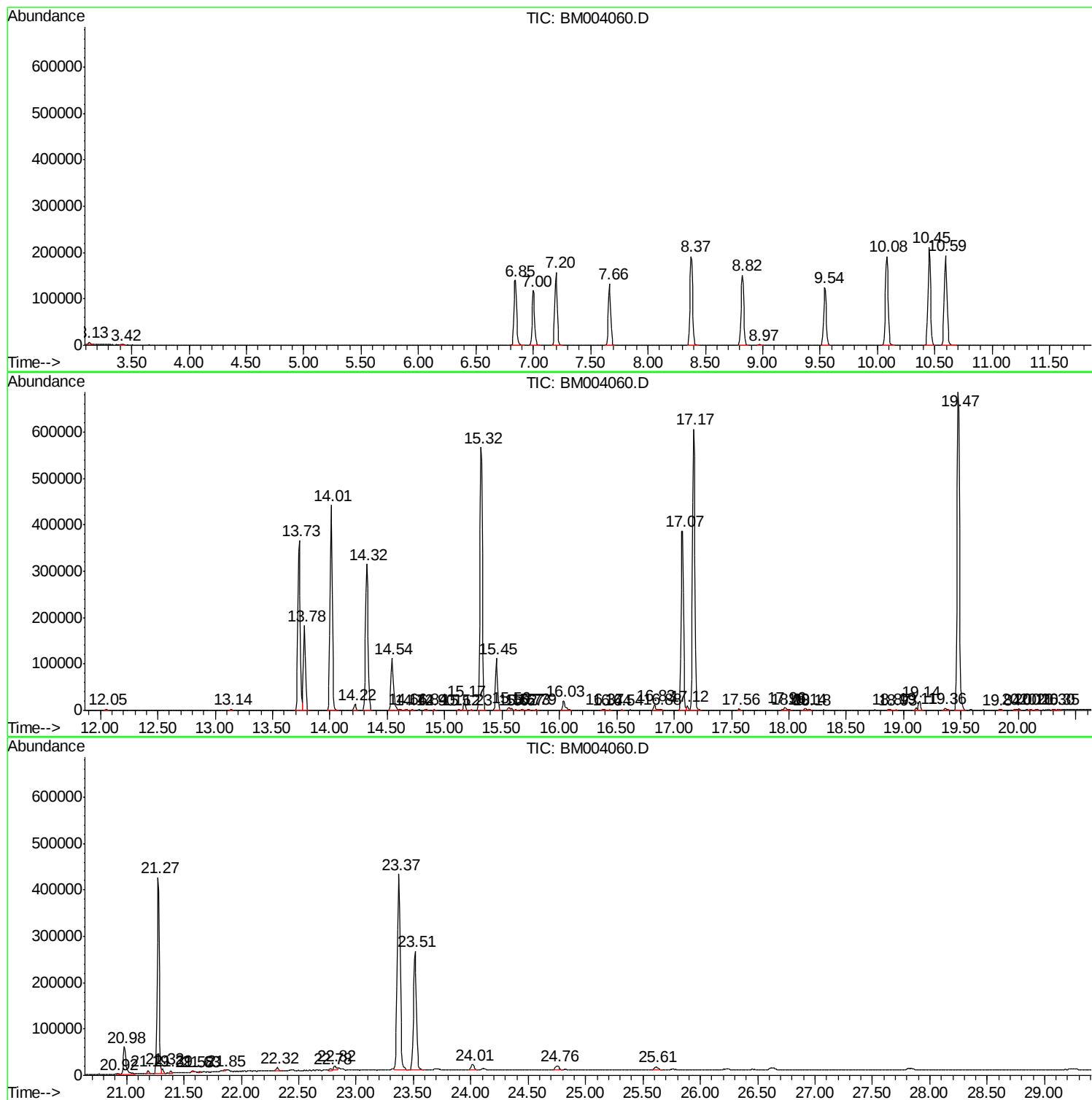
Sum of corrected areas: 10160946

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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



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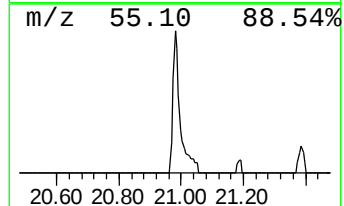
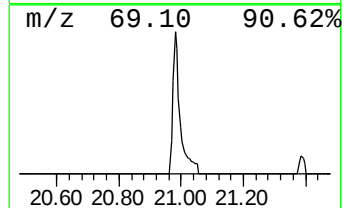
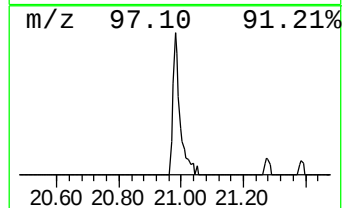
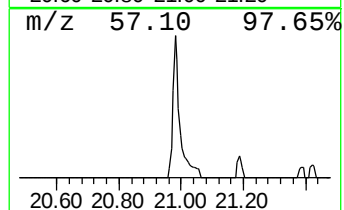
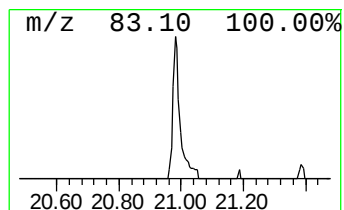
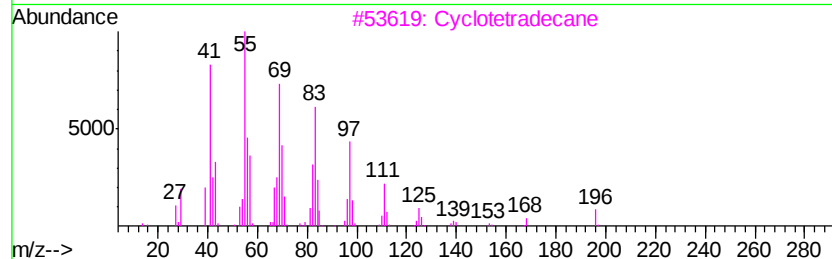
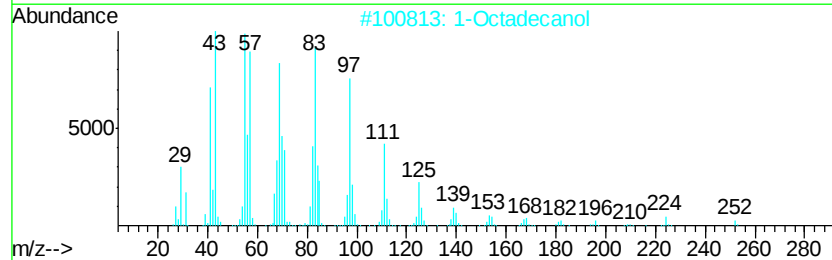
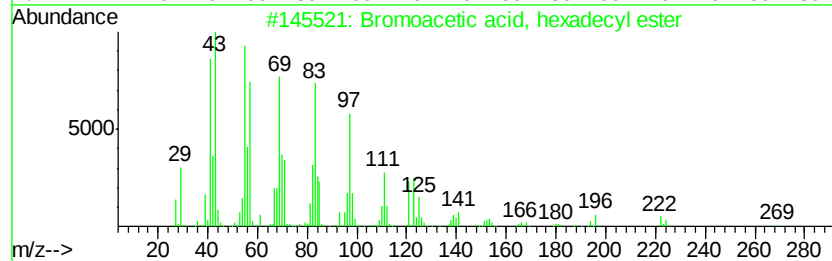
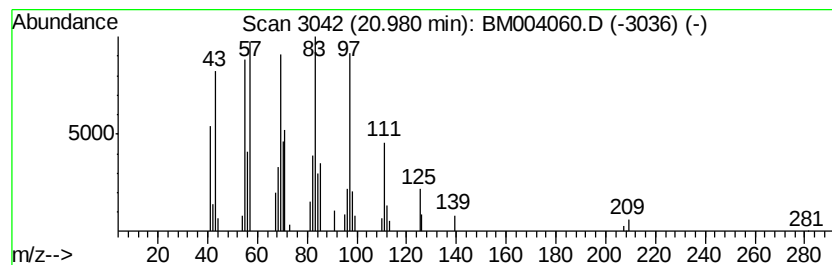
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM010116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Bromoacetic acid, hexadecyl... Concentration Rank 1

| R.T.      | EstConc                           | Area  | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------|-------|------------------|-------------|------|
| 20.98     | 3.36 ng/ul                        | 92773 | Chrysene-d12     | 21.27       |      |
| Hit# of 5 | Tentative ID                      | MW    | MolForm          | CAS#        | Qual |
| 1         | Bromoacetic acid, hexadecyl ester | 362   | C18H35BrO2       | 005454-48-8 | 91   |
| 2         | 1-Octadecanol                     | 270   | C18H38O          | 000112-92-5 | 91   |
| 3         | Cyclotetradecane                  | 196   | C14H28           | 000295-17-0 | 91   |
| 4         | Bromoacetic acid, octadecyl ester | 390   | C20H39BrO2       | 018992-03-5 | 90   |
| 5         | 3-Eicosene, (E)-                  | 280   | C20H40           | 074685-33-9 | 90   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Bromoacetic acid,... | 20.98 | 3.4     | ng/ul | 92773    | 5                     | 21.27 | 552530 | 20.0 |