

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\  
 Data File : BG020355.D  
 Acq On : 20 Dec 2015 23:17  
 Operator : UM/SJ  
 Sample : G4848-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N47

## 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-BG121415.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         | 3.116       | 42            | 47          | 55           | rVB2     | 5817           | 10141         | 1.14%           | 0.128%        |
| 2         | 3.193       | 55            | 60          | 66           | rBV2     | 3049           | 4430          | 0.50%           | 0.056%        |
| 3         | 3.469       | 102           | 107         | 114          | rVB      | 3070           | 4953          | 0.56%           | 0.062%        |
| 4         | 3.757       | 153           | 156         | 158          | rBV2     | 897            | 981           | 0.11%           | 0.012%        |
| 5         | 5.173       | 393           | 397         | 404          | rVB2     | 2710           | 3973          | 0.45%           | 0.050%        |
| 6         | 6.718       | 657           | 660         | 664          | rBB      | 1701           | 2170          | 0.24%           | 0.027%        |
| 7         | 7.259       | 745           | 752         | 765          | rBB      | 92571          | 161976        | 18.19%          | 2.039%        |
| 8         | 7.411       | 772           | 778         | 789          | rBB      | 69029          | 113345        | 12.73%          | 1.427%        |
| 9         | 7.623       | 808           | 814         | 825          | rBB      | 92613          | 158338        | 17.78%          | 1.993%        |
| 10        | 8.093       | 888           | 894         | 902          | rVB      | 74843          | 122333        | 13.74%          | 1.540%        |
| 11        | 8.804       | 1009          | 1015        | 1025         | rBV      | 125173         | 213612        | 23.99%          | 2.689%        |
| 12        | 9.262       | 1085          | 1093        | 1103         | rBB      | 93851          | 163952        | 18.41%          | 2.064%        |
| 13        | 9.985       | 1209          | 1216        | 1228         | rVB      | 81597          | 144120        | 16.18%          | 1.814%        |
| 14        | 10.531      | 1302          | 1309        | 1318         | rBV      | 128603         | 228870        | 25.70%          | 2.881%        |
| 15        | 10.907      | 1366          | 1373        | 1379         | rBV      | 105333         | 189181        | 21.24%          | 2.381%        |
| 16        | 10.960      | 1379          | 1382        | 1389         | rVV2     | 15131          | 23803         | 2.67%           | 0.300%        |
| 17        | 11.042      | 1389          | 1396        | 1407         | rVB      | 112143         | 200092        | 22.47%          | 2.518%        |
| 18        | 12.482      | 1637          | 1641        | 1645         | rBB2     | 1590           | 2459          | 0.28%           | 0.031%        |
| 19        | 12.558      | 1650          | 1654        | 1660         | rBB      | 1938           | 3255          | 0.37%           | 0.041%        |
| 20        | 12.782      | 1688          | 1692        | 1695         | rBB      | 1379           | 1458          | 0.16%           | 0.018%        |
| 21        | 13.081      | 1738          | 1743        | 1745         | rBV2     | 863            | 1075          | 0.12%           | 0.014%        |
| 22        | 13.322      | 1780          | 1784        | 1789         | rBB3     | 1494           | 2120          | 0.24%           | 0.027%        |
| 23        | 14.127      | 1914          | 1921        | 1925         | rBV      | 251791         | 375698        | 42.18%          | 4.729%        |
| 24        | 14.168      | 1925          | 1928        | 1934         | rVB      | 85611          | 118056        | 13.26%          | 1.486%        |
| 25        | 14.421      | 1964          | 1971        | 1978         | rBV      | 272330         | 435348        | 48.88%          | 5.479%        |
| 26        | 14.603      | 1998          | 2002        | 2005         | rVB2     | 2438           | 3195          | 0.36%           | 0.040%        |
| 27        | 14.726      | 2015          | 2023        | 2031         | rBV2     | 177906         | 286990        | 32.22%          | 3.612%        |
| 28        | 14.779      | 2031          | 2032        | 2036         | rVB      | 1286           | 1298          | 0.15%           | 0.016%        |
| 29        | 14.932      | 2052          | 2058        | 2068         | rBV      | 101410         | 163487        | 18.36%          | 2.058%        |
| 30        | 15.120      | 2088          | 2090        | 2095         | rVB2     | 1288           | 1442          | 0.16%           | 0.018%        |
| 31        | 15.208      | 2103          | 2105        | 2108         | rVB2     | 1157           | 1304          | 0.15%           | 0.016%        |
| 32        | 15.502      | 2151          | 2155        | 2158         | rBV      | 1561           | 1824          | 0.20%           | 0.023%        |
| 33        | 15.543      | 2158          | 2162        | 2168         | rVB      | 7419           | 9686          | 1.09%           | 0.122%        |
| 34        | 15.713      | 2185          | 2191        | 2198         | rBV      | 409025         | 594273        | 66.73%          | 7.480%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 15.766 | 2198 | 2200 | 2205 | rVB3 | 1309   | 1696   | 0.19%  | 0.021%  |
| 36 | 15.825 | 2205 | 2210 | 2219 | rBV  | 99307  | 146790 | 16.48% | 1.848%  |
| 37 | 15.954 | 2224 | 2232 | 2237 | rVB3 | 5705   | 8403   | 0.94%  | 0.106%  |
| 38 | 16.043 | 2242 | 2247 | 2250 | rBB2 | 921    | 1114   | 0.13%  | 0.014%  |
| 39 | 16.101 | 2252 | 2257 | 2261 | rBB2 | 997    | 1618   | 0.18%  | 0.020%  |
| 40 | 16.172 | 2264 | 2269 | 2271 | rVB2 | 1062   | 965    | 0.11%  | 0.012%  |
| 41 | 16.407 | 2304 | 2309 | 2318 | rBV  | 10636  | 17289  | 1.94%  | 0.218%  |
| 42 | 16.595 | 2338 | 2341 | 2344 | rBB2 | 1685   | 2017   | 0.23%  | 0.025%  |
| 43 | 16.748 | 2363 | 2367 | 2371 | rBV4 | 1306   | 2004   | 0.23%  | 0.025%  |
| 44 | 16.912 | 2393 | 2395 | 2398 | rBV  | 1218   | 1434   | 0.16%  | 0.018%  |
| 45 | 17.200 | 2438 | 2444 | 2449 | rBV  | 10947  | 14083  | 1.58%  | 0.177%  |
| 46 | 17.253 | 2449 | 2453 | 2458 | rVB3 | 3685   | 5496   | 0.62%  | 0.069%  |
| 47 | 17.470 | 2483 | 2490 | 2496 | rBV  | 238410 | 363552 | 40.82% | 4.576%  |
| 48 | 17.511 | 2496 | 2497 | 2500 | rVV  | 4908   | 4175   | 0.47%  | 0.053%  |
| 49 | 17.564 | 2500 | 2506 | 2514 | rVV2 | 435904 | 671931 | 75.45% | 8.457%  |
| 50 | 17.617 | 2514 | 2515 | 2521 | rVB3 | 1270   | 1605   | 0.18%  | 0.020%  |
| 51 | 17.829 | 2545 | 2551 | 2552 | rBV  | 2790   | 3904   | 0.44%  | 0.049%  |
| 52 | 17.934 | 2563 | 2569 | 2575 | rBV3 | 6229   | 8865   | 1.00%  | 0.112%  |
| 53 | 18.334 | 2634 | 2637 | 2642 | rBV4 | 3441   | 4838   | 0.54%  | 0.061%  |
| 54 | 18.622 | 2683 | 2686 | 2689 | rVV2 | 1072   | 1207   | 0.14%  | 0.015%  |
| 55 | 18.651 | 2689 | 2691 | 2696 | rVB2 | 696    | 1015   | 0.11%  | 0.013%  |
| 56 | 18.757 | 2705 | 2709 | 2714 | rVB4 | 5288   | 7024   | 0.79%  | 0.088%  |
| 57 | 19.192 | 2779 | 2783 | 2787 | rVB3 | 716    | 1197   | 0.13%  | 0.015%  |
| 58 | 19.268 | 2792 | 2796 | 2797 | rVB2 | 970    | 1137   | 0.13%  | 0.014%  |
| 59 | 19.409 | 2818 | 2820 | 2824 | rBV3 | 885    | 1170   | 0.13%  | 0.015%  |
| 60 | 19.486 | 2828 | 2833 | 2836 | rBV  | 6295   | 8774   | 0.99%  | 0.110%  |
| 61 | 19.515 | 2836 | 2838 | 2841 | rVB  | 1787   | 2171   | 0.24%  | 0.027%  |
| 62 | 19.744 | 2872 | 2877 | 2879 | rVV2 | 3859   | 5632   | 0.63%  | 0.071%  |
| 63 | 19.762 | 2879 | 2880 | 2885 | rVB4 | 2508   | 2299   | 0.26%  | 0.029%  |
| 64 | 19.850 | 2889 | 2895 | 2904 | rBV  | 618600 | 862753 | 96.87% | 10.859% |
| 65 | 20.038 | 2925 | 2927 | 2932 | rBV5 | 806    | 1446   | 0.16%  | 0.018%  |
| 66 | 20.073 | 2932 | 2933 | 2936 | rVB2 | 1683   | 1517   | 0.17%  | 0.019%  |
| 67 | 20.144 | 2942 | 2945 | 2946 | rBV3 | 1681   | 1673   | 0.19%  | 0.021%  |
| 68 | 20.255 | 2963 | 2964 | 2966 | rBV2 | 1992   | 1728   | 0.19%  | 0.022%  |
| 69 | 20.414 | 2988 | 2991 | 2992 | rBV3 | 1770   | 1228   | 0.14%  | 0.015%  |
| 70 | 20.743 | 3040 | 3047 | 3053 | rBV  | 61523  | 86532  | 9.72%  | 1.089%  |
| 71 | 20.849 | 3062 | 3065 | 3070 | rVB6 | 3608   | 4727   | 0.53%  | 0.059%  |

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|----|--------|------|------|------|------|--------|--------|---------|---------|
| 72 | 21.360 | 3149 | 3152 | 3157 | rBV6 | 8159   | 12919  | 1.45%   | 0.163%  |
| 73 | 21.542 | 3181 | 3183 | 3186 | rBV4 | 2177   | 2409   | 0.27%   | 0.030%  |
| 74 | 21.742 | 3210 | 3217 | 3225 | rBV  | 307644 | 496496 | 55.75%  | 6.249%  |
| 75 | 22.529 | 3347 | 3351 | 3356 | rBV7 | 5183   | 8237   | 0.92%   | 0.104%  |
| 76 | 22.852 | 3404 | 3406 | 3408 | rBV2 | 2406   | 2076   | 0.23%   | 0.026%  |
| 77 | 23.228 | 3464 | 3470 | 3475 | rBV7 | 9429   | 21185  | 2.38%   | 0.267%  |
| 78 | 24.051 | 3605 | 3610 | 3617 | rVB7 | 9758   | 21313  | 2.39%   | 0.268%  |
| 79 | 24.791 | 3725 | 3736 | 3751 | rBV  | 317941 | 890597 | 100.00% | 11.209% |
| 80 | 25.020 | 3764 | 3775 | 3787 | rBV2 | 158507 | 469109 | 52.67%  | 5.904%  |
| 81 | 28.281 | 4328 | 4330 | 4331 | rBV2 | 2528   | 1433   | 0.16%   | 0.018%  |
| 82 | 28.828 | 4421 | 4423 | 4425 | rBV3 | 2302   | 2095   | 0.24%   | 0.026%  |
| 83 | 29.004 | 4451 | 4453 | 4454 | rBV2 | 2430   | 1271   | 0.14%   | 0.016%  |
| 84 | 29.133 | 4473 | 4475 | 4476 | rBV2 | 2774   | 1759   | 0.20%   | 0.022%  |
| 85 | 29.832 | 4592 | 4594 | 4597 | rBV3 | 2503   | 2697   | 0.30%   | 0.034%  |
| 86 | 30.085 | 4635 | 4637 | 4640 | rBV3 | 2280   | 2721   | 0.31%   | 0.034%  |
| 87 | 30.308 | 4673 | 4675 | 4677 | rBV3 | 2218   | 1587   | 0.18%   | 0.020%  |
| 88 | 32.130 | 4983 | 4985 | 4988 | rBV4 | 2496   | 3067   | 0.34%   | 0.039%  |

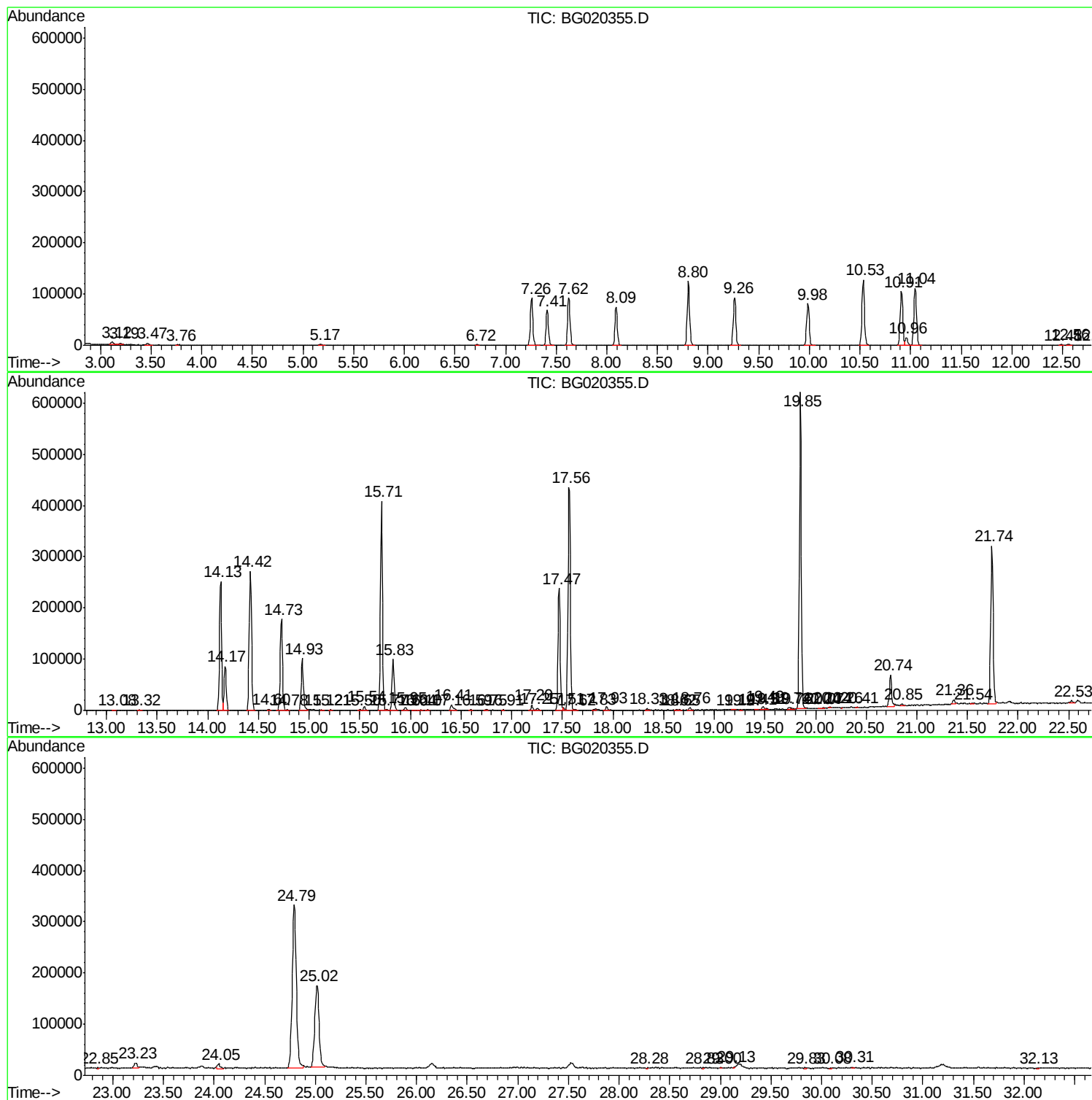
Sum of corrected areas: 7945218

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M  
Quant Title : SVOA CALIBRATION

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



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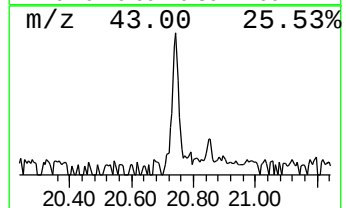
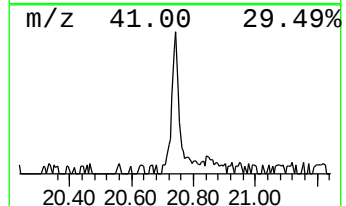
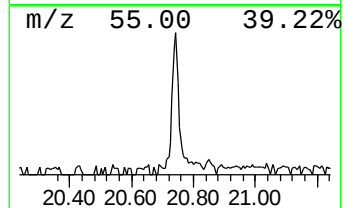
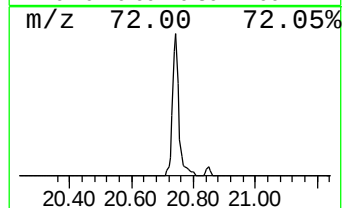
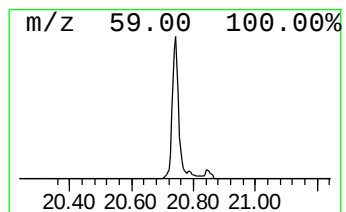
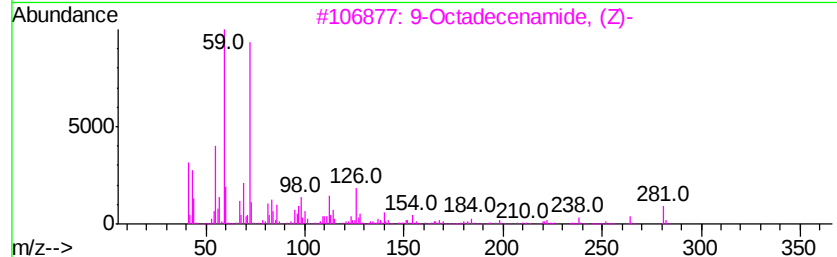
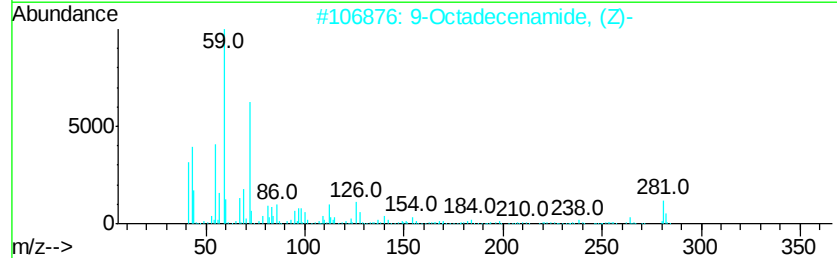
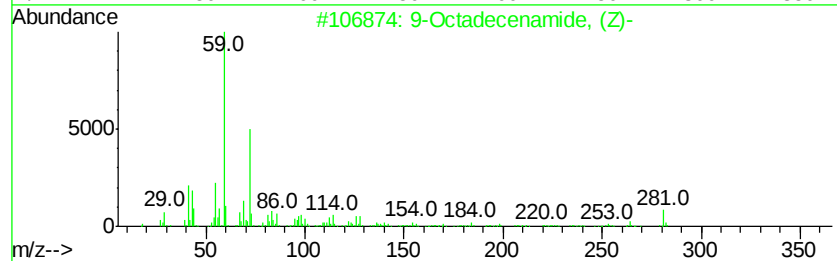
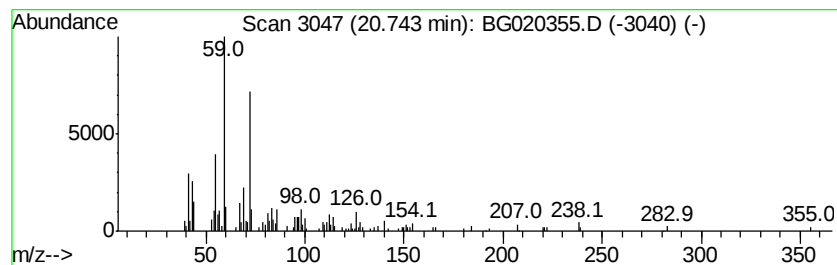
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TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 1 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 20.74 | 3.49 ng/ul | 86532 | Chrysene-d12     | 21.74 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------|-----|----------|-------------|------|
| 1    |    |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91   |
| 2    |    |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 80   |
| 3    |    |   | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 59   |
| 4    |    |   | Dodecanamide           | 199 | C12H25NO | 001120-16-7 | 53   |
| 5    |    |   | Dodecanamide           | 199 | C12H25NO | 001120-16-7 | 53   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 9-Octadecenamide,... | 20.74 | 3.5     | ng/ul | 86532    | 5                     | 21.74 | 496496 | 20.0 |