

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112316\  
 Data File : BG024909.D  
 Acq On : 23 Nov 2016 16:32  
 Operator : UM/SJ  
 Sample : PB94864BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK64

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 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: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.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         | 3.610       | 127           | 131         | 139          | rVB5     | 19598          | 35490         | 1.18%           | 0.120%        |
| 2         | 3.710       | 144           | 148         | 151          | rBV3     | 6233           | 8017          | 0.27%           | 0.027%        |
| 3         | 3.851       | 169           | 172         | 178          | rVB6     | 5156           | 9985          | 0.33%           | 0.034%        |
| 4         | 4.138       | 216           | 221         | 224          | rBV5     | 5826           | 10821         | 0.36%           | 0.036%        |
| 5         | 4.374       | 258           | 261         | 266          | rBV5     | 10788          | 18056         | 0.60%           | 0.061%        |
| 6         | 4.597       | 295           | 299         | 302          | rVB3     | 4838           | 6250          | 0.21%           | 0.021%        |
| 7         | 4.650       | 307           | 308         | 315          | rVB4     | 5324           | 7756          | 0.26%           | 0.026%        |
| 8         | 4.714       | 315           | 319         | 321          | rBV3     | 5154           | 6036          | 0.20%           | 0.020%        |
| 9         | 4.920       | 352           | 354         | 358          | rBV3     | 5729           | 7248          | 0.24%           | 0.024%        |
| 10        | 5.319       | 417           | 422         | 424          | rBV4     | 5442           | 10015         | 0.33%           | 0.034%        |
| 11        | 6.171       | 561           | 567         | 569          | rBV4     | 4060           | 7835          | 0.26%           | 0.026%        |
| 12        | 6.295       | 586           | 588         | 593          | rVB3     | 6350           | 7827          | 0.26%           | 0.026%        |
| 13        | 6.336       | 593           | 595         | 598          | rBV3     | 4527           | 6621          | 0.22%           | 0.022%        |
| 14        | 6.424       | 607           | 610         | 614          | rBV3     | 5340           | 10476         | 0.35%           | 0.035%        |
| 15        | 6.577       | 631           | 636         | 639          | rVV3     | 4158           | 8196          | 0.27%           | 0.028%        |
| 16        | 6.653       | 643           | 649         | 655          | rBV8     | 6007           | 12863         | 0.43%           | 0.043%        |
| 17        | 6.812       | 672           | 676         | 678          | rBV4     | 6174           | 6204          | 0.21%           | 0.021%        |
| 18        | 7.182       | 734           | 739         | 741          | rBV3     | 5765           | 6486          | 0.22%           | 0.022%        |
| 19        | 7.388       | 766           | 774         | 782          | rVV      | 320476         | 576692        | 19.22%          | 1.942%        |
| 20        | 7.564       | 794           | 804         | 814          | rBV      | 223814         | 389696        | 12.99%          | 1.313%        |
| 21        | 7.775       | 829           | 840         | 853          | rBV      | 284106         | 556283        | 18.54%          | 1.874%        |
| 22        | 8.251       | 911           | 921         | 932          | rVB2     | 261085         | 464666        | 15.49%          | 1.565%        |
| 23        | 8.369       | 936           | 941         | 944          | rVB3     | 3963           | 6072          | 0.20%           | 0.020%        |
| 24        | 8.428       | 947           | 951         | 955          | rVB4     | 4315           | 6169          | 0.21%           | 0.021%        |
| 25        | 8.945       | 1029          | 1039        | 1050         | rBV2     | 391998         | 714576        | 23.82%          | 2.407%        |
| 26        | 9.426       | 1112          | 1121        | 1132         | rBV2     | 306621         | 596835        | 19.89%          | 2.010%        |
| 27        | 9.538       | 1137          | 1140        | 1145         | rVB4     | 4149           | 7172          | 0.24%           | 0.024%        |
| 28        | 9.691       | 1163          | 1166        | 1170         | rVB      | 4440           | 6473          | 0.22%           | 0.022%        |
| 29        | 9.738       | 1170          | 1174        | 1177         | rBV2     | 4014           | 7068          | 0.24%           | 0.024%        |
| 30        | 10.149      | 1235          | 1244        | 1255         | rBV3     | 285021         | 538606        | 17.95%          | 1.814%        |
| 31        | 10.337      | 1273          | 1276        | 1278         | rBV      | 5884           | 6482          | 0.22%           | 0.022%        |
| 32        | 10.531      | 1307          | 1309        | 1316         | rBV2     | 5112           | 8968          | 0.30%           | 0.030%        |
| 33        | 10.690      | 1326          | 1336        | 1347         | rBV      | 409861         | 764308        | 25.48%          | 2.574%        |
| 34        | 11.077      | 1393          | 1402        | 1411         | rVB      | 351072         | 674510        | 22.48%          | 2.272%        |

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Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.213 | 1416 | 1425 | 1434 | rBV  | 398206  | 770550  | 25.68% | 2.595% |
| 36 | 11.395 | 1454 | 1456 | 1462 | rVB2 | 5185    | 7277    | 0.24%  | 0.025% |
| 37 | 11.518 | 1473 | 1477 | 1480 | rVB3 | 6420    | 7422    | 0.25%  | 0.025% |
| 38 | 11.559 | 1480 | 1484 | 1488 | rBV2 | 5563    | 7994    | 0.27%  | 0.027% |
| 39 | 11.929 | 1545 | 1547 | 1553 | rVB3 | 3281    | 6724    | 0.22%  | 0.023% |
| 40 | 12.023 | 1559 | 1563 | 1566 | rBV3 | 5594    | 7904    | 0.26%  | 0.027% |
| 41 | 12.070 | 1566 | 1571 | 1575 | rVB2 | 2983    | 6839    | 0.23%  | 0.023% |
| 42 | 12.188 | 1587 | 1591 | 1592 | rBV2 | 5767    | 6499    | 0.22%  | 0.022% |
| 43 | 12.441 | 1633 | 1634 | 1639 | rBV3 | 4288    | 6972    | 0.23%  | 0.023% |
| 44 | 12.640 | 1664 | 1668 | 1676 | rVB5 | 11291   | 24497   | 0.82%  | 0.083% |
| 45 | 12.734 | 1681 | 1684 | 1688 | rVB3 | 4192    | 6257    | 0.21%  | 0.021% |
| 46 | 12.787 | 1688 | 1693 | 1700 | rBV3 | 5556    | 15466   | 0.52%  | 0.052% |
| 47 | 13.398 | 1793 | 1797 | 1803 | rVB4 | 6653    | 12579   | 0.42%  | 0.042% |
| 48 | 13.516 | 1815 | 1817 | 1824 | rVB2 | 5145    | 6144    | 0.20%  | 0.021% |
| 49 | 13.733 | 1848 | 1854 | 1859 | rBV5 | 10861   | 23659   | 0.79%  | 0.080% |
| 50 | 14.262 | 1931 | 1944 | 1957 | rBV  | 942097  | 1429938 | 47.66% | 4.816% |
| 51 | 14.356 | 1957 | 1960 | 1967 | rVB8 | 4991    | 6486    | 0.22%  | 0.022% |
| 52 | 14.567 | 1986 | 1996 | 2005 | rVB  | 846313  | 1426810 | 47.56% | 4.806% |
| 53 | 14.791 | 2030 | 2034 | 2036 | rVB  | 4828    | 6327    | 0.21%  | 0.021% |
| 54 | 14.873 | 2036 | 2048 | 2060 | rBV  | 722379  | 1147004 | 38.23% | 3.863% |
| 55 | 15.049 | 2070 | 2078 | 2092 | rBV  | 446451  | 836315  | 27.88% | 2.817% |
| 56 | 15.226 | 2107 | 2108 | 2112 | rBV3 | 6361    | 6697    | 0.22%  | 0.023% |
| 57 | 15.478 | 2147 | 2151 | 2152 | rBV2 | 5199    | 7154    | 0.24%  | 0.024% |
| 58 | 15.513 | 2152 | 2157 | 2160 | rVB3 | 4740    | 7591    | 0.25%  | 0.026% |
| 59 | 15.566 | 2164 | 2166 | 2172 | rVB  | 5713    | 8165    | 0.27%  | 0.028% |
| 60 | 15.760 | 2194 | 2199 | 2205 | rVB5 | 6428    | 12558   | 0.42%  | 0.042% |
| 61 | 15.854 | 2205 | 2215 | 2227 | rBV  | 1209789 | 1982709 | 66.09% | 6.678% |
| 62 | 15.966 | 2227 | 2234 | 2249 | rBV2 | 484361  | 794948  | 26.50% | 2.678% |
| 63 | 16.089 | 2252 | 2255 | 2264 | rVB3 | 19028   | 34385   | 1.15%  | 0.116% |
| 64 | 16.271 | 2282 | 2286 | 2291 | rBV6 | 4868    | 10665   | 0.36%  | 0.036% |
| 65 | 16.395 | 2302 | 2307 | 2309 | rBV  | 5400    | 8488    | 0.28%  | 0.029% |
| 66 | 16.430 | 2309 | 2313 | 2317 | rVB4 | 5777    | 9839    | 0.33%  | 0.033% |
| 67 | 16.812 | 2372 | 2378 | 2383 | rBV6 | 8212    | 18147   | 0.60%  | 0.061% |
| 68 | 16.959 | 2400 | 2403 | 2405 | rBV3 | 6189    | 6417    | 0.21%  | 0.022% |
| 69 | 17.088 | 2422 | 2425 | 2431 | rVB5 | 4749    | 8346    | 0.28%  | 0.028% |
| 70 | 17.153 | 2431 | 2436 | 2438 | rBV3 | 5209    | 6389    | 0.21%  | 0.022% |
| 71 | 17.399 | 2472 | 2478 | 2488 | rBV2 | 10179   | 28912   | 0.96%  | 0.097% |

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 Stop Thrs : 0

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 Peak separation: 1

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 72  | 17.476 | 2488 | 2491 | 2494 | rBV3 | 5403    | 7924    | 0.26%   | 0.027%  |
| 73  | 17.611 | 2504 | 2514 | 2523 | rBV  | 1057097 | 1699278 | 56.64%  | 5.724%  |
| 74  | 17.711 | 2523 | 2531 | 2540 | rBV  | 1520804 | 2381309 | 79.37%  | 8.021%  |
| 75  | 17.852 | 2552 | 2555 | 2559 | rVB4 | 5630    | 8331    | 0.28%   | 0.028%  |
| 76  | 18.005 | 2575 | 2581 | 2585 | rVB7 | 8122    | 15077   | 0.50%   | 0.051%  |
| 77  | 18.451 | 2654 | 2657 | 2661 | rBV4 | 5644    | 6950    | 0.23%   | 0.023%  |
| 78  | 18.522 | 2666 | 2669 | 2672 | rBV5 | 5001    | 7847    | 0.26%   | 0.026%  |
| 79  | 18.598 | 2678 | 2682 | 2684 | rBV4 | 7890    | 9840    | 0.33%   | 0.033%  |
| 80  | 18.857 | 2722 | 2726 | 2728 | rBV4 | 10286   | 10863   | 0.36%   | 0.037%  |
| 81  | 19.003 | 2744 | 2751 | 2755 | rBV8 | 12868   | 20070   | 0.67%   | 0.068%  |
| 82  | 19.103 | 2766 | 2768 | 2773 | rVB2 | 6082    | 7597    | 0.25%   | 0.026%  |
| 83  | 19.150 | 2773 | 2776 | 2779 | rBV4 | 5808    | 8710    | 0.29%   | 0.029%  |
| 84  | 19.397 | 2817 | 2818 | 2825 | rBV5 | 10157   | 13271   | 0.44%   | 0.045%  |
| 85  | 19.509 | 2834 | 2837 | 2842 | rVB6 | 5734    | 6444    | 0.21%   | 0.022%  |
| 86  | 19.620 | 2848 | 2856 | 2863 | rBV4 | 26528   | 48677   | 1.62%   | 0.164%  |
| 87  | 19.873 | 2895 | 2899 | 2906 | rVB3 | 22679   | 37428   | 1.25%   | 0.126%  |
| 88  | 19.926 | 2907 | 2908 | 2911 | rVV3 | 6374    | 6569    | 0.22%   | 0.022%  |
| 89  | 19.985 | 2911 | 2918 | 2929 | rVB  | 2032012 | 3000221 | 100.00% | 10.106% |
| 90  | 20.349 | 2978 | 2980 | 2982 | rBV2 | 9067    | 9038    | 0.30%   | 0.030%  |
| 91  | 20.649 | 3029 | 3031 | 3033 | rBV3 | 12958   | 14654   | 0.49%   | 0.049%  |
| 92  | 21.906 | 3237 | 3245 | 3255 | rBV  | 1253790 | 2205839 | 73.52%  | 7.430%  |
| 93  | 22.676 | 3373 | 3376 | 3382 | rBV8 | 21419   | 36162   | 1.21%   | 0.122%  |
| 94  | 23.398 | 3496 | 3499 | 3506 | rVB8 | 33310   | 63887   | 2.13%   | 0.215%  |
| 95  | 24.256 | 3638 | 3645 | 3651 | rVB5 | 63340   | 141373  | 4.71%   | 0.476%  |
| 96  | 25.090 | 3776 | 3787 | 3799 | rVB2 | 989896  | 2889264 | 96.30%  | 9.732%  |
| 97  | 25.255 | 3809 | 3815 | 3818 | rBV4 | 61365   | 141594  | 4.72%   | 0.477%  |
| 98  | 25.325 | 3819 | 3827 | 3843 | rVB2 | 664811  | 2125223 | 70.84%  | 7.158%  |
| 99  | 26.442 | 4012 | 4017 | 4028 | rVB4 | 81748   | 245117  | 8.17%   | 0.826%  |
| 100 | 27.887 | 4255 | 4263 | 4277 | rVB7 | 77237   | 288479  | 9.62%   | 0.972%  |

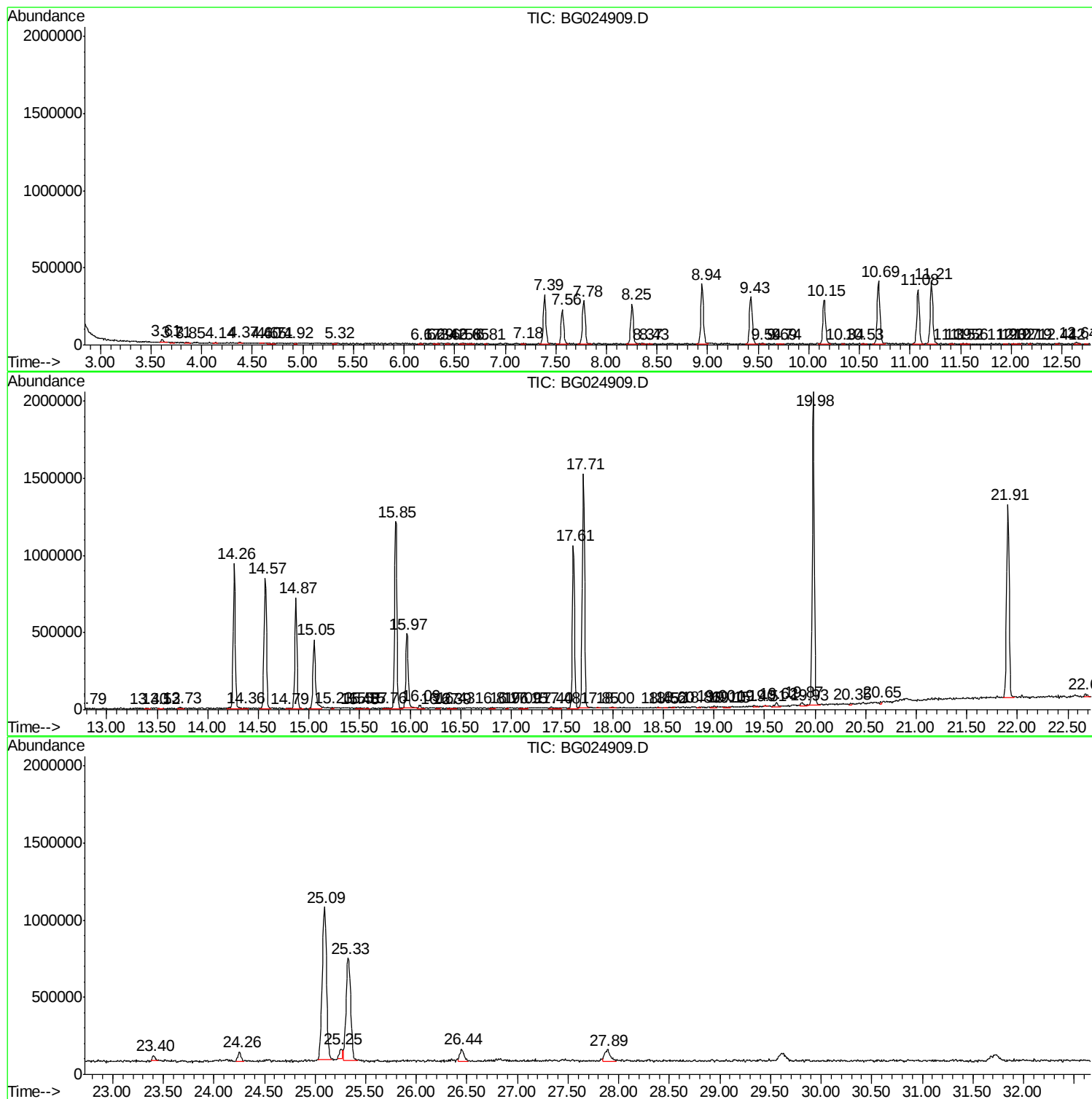
Sum of corrected areas: 29688867

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

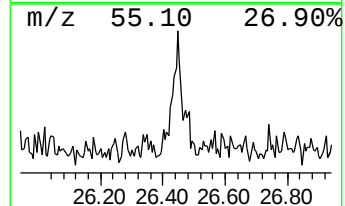
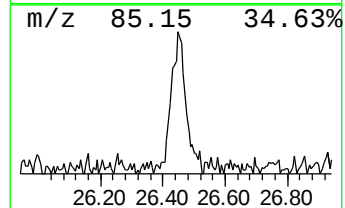
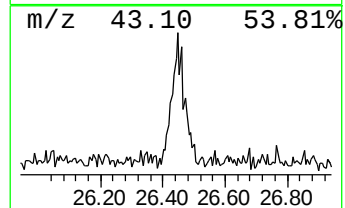
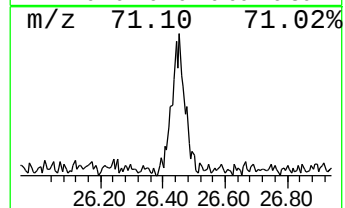
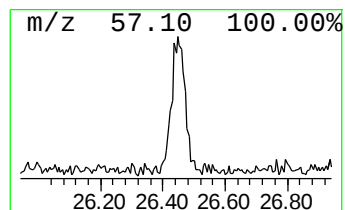
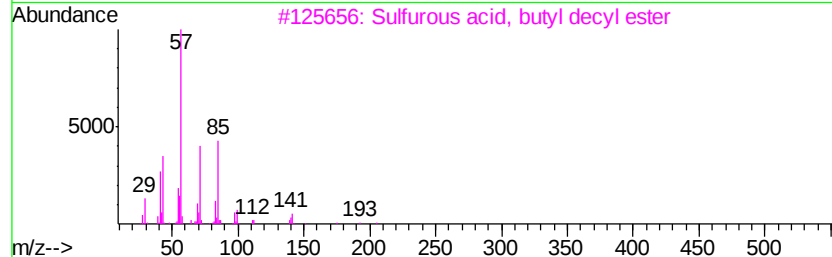
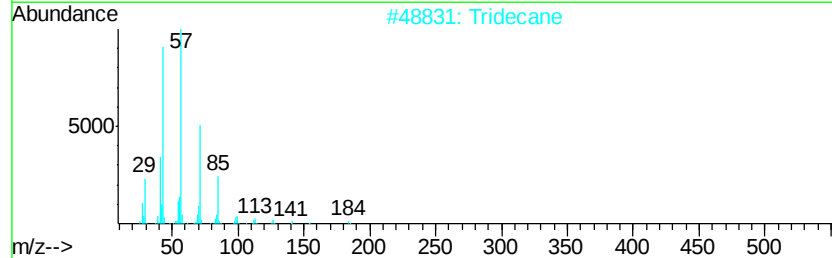
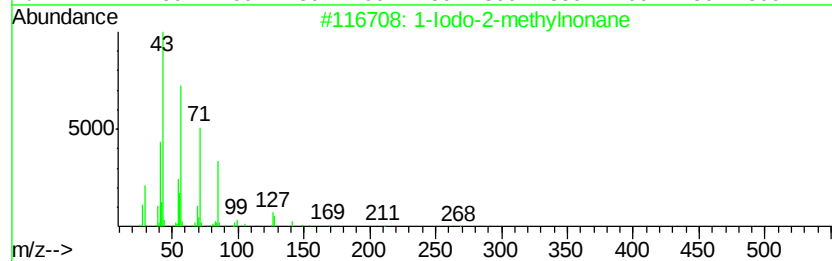
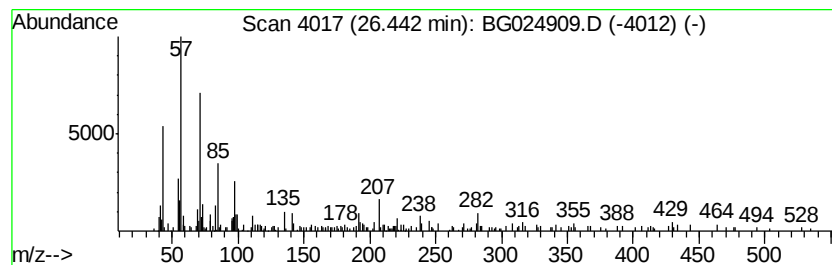
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.44 | 2.31 ng/ul | 245117 | Perylene-d12     | 25.33 |

| Hit# | of | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1-Iodo-2-methylnonane             | 268 | C10H21I   | 1000101-47-9 | 18   |
| 2    |    | Tridecane                         | 184 | C13H28    | 000629-50-5  | 18   |
| 3    |    | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 14   |
| 4    |    | Tetradecane, 5-methyl-            | 212 | C15H32    | 025117-32-2  | 14   |
| 5    |    | Pentacosane                       | 352 | C25H52    | 000629-99-2  | 14   |



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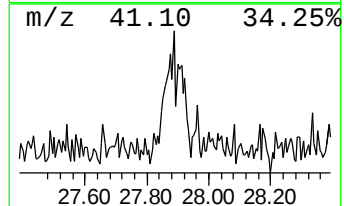
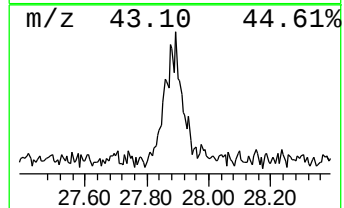
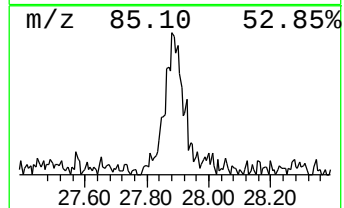
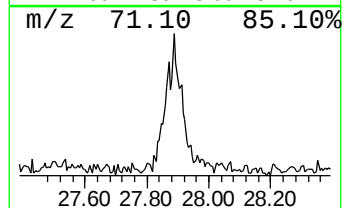
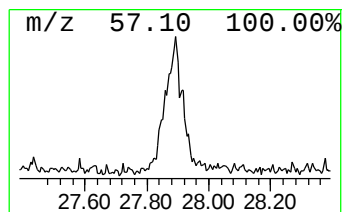
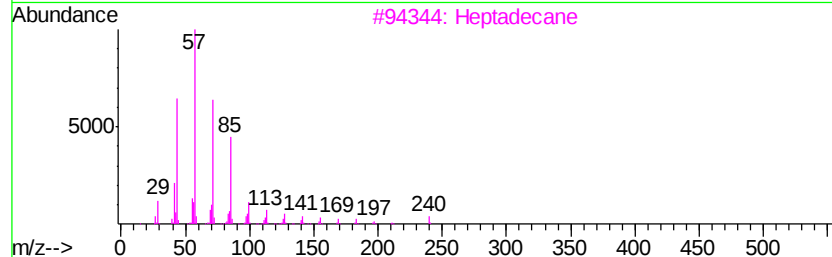
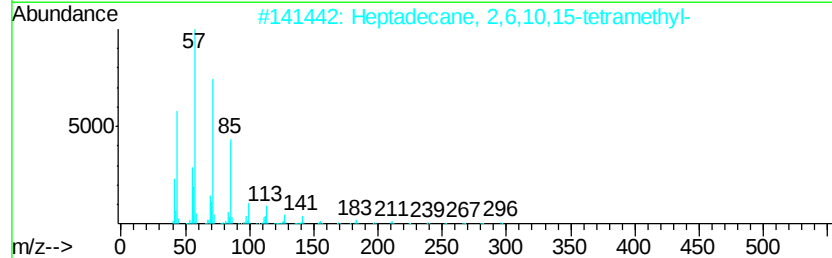
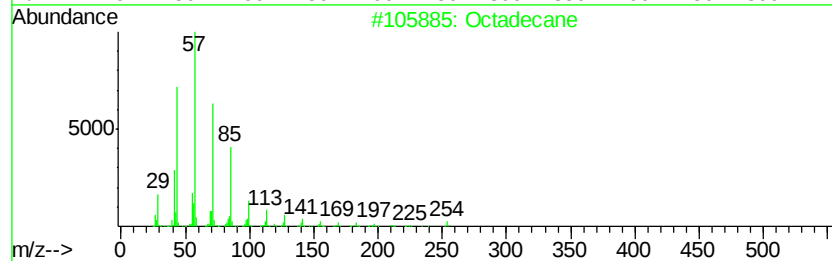
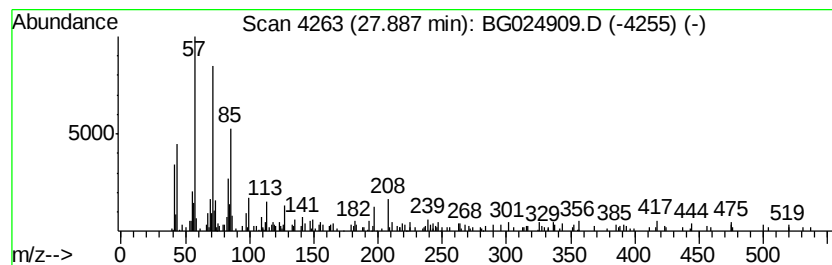
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.89 | 2.71 ng/ul | 288479 | Perylene-d12     | 25.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane                          | 254 | C18H38  | 000593-45-3 | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 3    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 90   |
| 4    |    | Octadecane                          | 254 | C18H38  | 000593-45-3 | 90   |
| 5    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112316\  
Data File : BG024909.D  
Acq On : 23 Nov 2016 16:32  
Operator : UM/SJ  
Sample : PB94864BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SBLK64

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG112316.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01           | 26.44 | 2.3     | ng/ul | 245117   | 6                     | 25.33 | 2125220 | 20.0 |
| (DEL) Alkane: Str... | 27.89 | 2.7     | ng/ul | 288479   | 6                     | 25.33 | 2125220 | 20.0 |