

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
 Data File : BG026855.D  
 Acq On : 3 May 2017 17:25  
 Operator : SJ/MA  
 Sample : I2871-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YAB20

## 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\SOM-EPA-BG042717.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         | 3.422       | 53            | 57          | 66           | rVB      | 40444          | 63500         | 1.49%           | 0.125%        |
| 2         | 4.515       | 238           | 243         | 246          | rBV6     | 3206           | 5191          | 0.12%           | 0.010%        |
| 3         | 5.120       | 340           | 346         | 348          | rBV6     | 3792           | 6359          | 0.15%           | 0.012%        |
| 4         | 6.219       | 525           | 533         | 542          | rBV9     | 5490           | 18964         | 0.45%           | 0.037%        |
| 5         | 7.065       | 667           | 677         | 680          | rBV8     | 4489           | 10599         | 0.25%           | 0.021%        |
| 6         | 7.182       | 690           | 697         | 714          | rBV      | 673660         | 1285141       | 30.24%          | 2.525%        |
| 7         | 7.329       | 715           | 722         | 735          | rVV      | 633943         | 1037936       | 24.43%          | 2.039%        |
| 8         | 7.417       | 735           | 737         | 745          | rVB7     | 4468           | 7956          | 0.19%           | 0.016%        |
| 9         | 7.547       | 751           | 759         | 775          | rBV      | 727236         | 1296597       | 30.51%          | 2.547%        |
| 10        | 8.005       | 829           | 837         | 847          | rBV      | 529473         | 905627        | 21.31%          | 1.779%        |
| 11        | 8.722       | 950           | 959         | 979          | rBV      | 917369         | 1764832       | 41.53%          | 3.467%        |
| 12        | 9.162       | 1026          | 1034        | 1049         | rBV      | 697131         | 1271310       | 29.92%          | 2.498%        |
| 13        | 9.321       | 1054          | 1061        | 1078         | rBV7     | 18320          | 62983         | 1.48%           | 0.124%        |
| 14        | 9.585       | 1101          | 1106        | 1112         | rVB      | 10320          | 12397         | 0.29%           | 0.024%        |
| 15        | 9.885       | 1147          | 1157        | 1169         | rBV      | 583408         | 1070211       | 25.19%          | 2.102%        |
| 16        | 10.437      | 1240          | 1251        | 1280         | rBV      | 888418         | 1740885       | 40.97%          | 3.420%        |
| 17        | 10.808      | 1301          | 1314        | 1325         | rBV      | 865338         | 1580527       | 37.20%          | 3.105%        |
| 18        | 10.937      | 1329          | 1336        | 1359         | rBV      | 884629         | 1706709       | 40.17%          | 3.353%        |
| 19        | 11.354      | 1402          | 1407        | 1412         | rBV5     | 2724           | 6361          | 0.15%           | 0.012%        |
| 20        | 11.654      | 1450          | 1458        | 1463         | rBV8     | 4248           | 8607          | 0.20%           | 0.017%        |
| 21        | 12.288      | 1561          | 1566        | 1571         | rVB2     | 5052           | 7232          | 0.17%           | 0.014%        |
| 22        | 12.394      | 1578          | 1584        | 1591         | rBV2     | 14518          | 28921         | 0.68%           | 0.057%        |
| 23        | 12.605      | 1613          | 1620        | 1624         | rVB5     | 4010           | 6281          | 0.15%           | 0.012%        |
| 24        | 13.222      | 1718          | 1725        | 1731         | rBV8     | 6313           | 10955         | 0.26%           | 0.022%        |
| 25        | 13.440      | 1756          | 1762        | 1772         | rVB9     | 5428           | 11871         | 0.28%           | 0.023%        |
| 26        | 13.528      | 1772          | 1777        | 1780         | rVB6     | 4097           | 7164          | 0.17%           | 0.014%        |
| 27        | 13.598      | 1783          | 1789        | 1798         | rVB7     | 5450           | 12485         | 0.29%           | 0.025%        |
| 28        | 14.021      | 1854          | 1861        | 1865         | rVV      | 1715256        | 2476804       | 58.29%          | 4.866%        |
| 29        | 14.068      | 1865          | 1869        | 1878         | rVV      | 465363         | 679251        | 15.99%          | 1.334%        |
| 30        | 14.133      | 1878          | 1880        | 1887         | rVB7     | 5001           | 7889          | 0.19%           | 0.015%        |
| 31        | 14.315      | 1903          | 1911        | 1920         | rBV      | 2156092        | 3350220       | 78.84%          | 6.582%        |
| 32        | 14.509      | 1938          | 1944        | 1953         | rBV      | 33836          | 48179         | 1.13%           | 0.095%        |
| 33        | 14.621      | 1953          | 1963        | 1972         | rVB2     | 1302716        | 2125612       | 50.02%          | 4.176%        |
| 34        | 14.838      | 1992          | 2000        | 2026         | rBV      | 385964         | 1044785       | 24.59%          | 2.053%        |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
 Data File : BG026855.D  
 Acq On : 3 May 2017 17:25  
 Operator : SJ/MA  
 Sample : I2871-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YAB20

## 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\SOM-EPA-BG042717.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.056 | 2035 | 2037 | 2044 | rVB5 | 8289    | 13798   | 0.32%  | 0.027% |
| 36 | 15.120 | 2044 | 2048 | 2055 | rVB7 | 13450   | 23940   | 0.56%  | 0.047% |
| 37 | 15.197 | 2055 | 2061 | 2065 | rVB6 | 9440    | 16274   | 0.38%  | 0.032% |
| 38 | 15.355 | 2079 | 2088 | 2091 | rVB7 | 4034    | 7665    | 0.18%  | 0.015% |
| 39 | 15.402 | 2091 | 2096 | 2100 | rBV  | 25037   | 39638   | 0.93%  | 0.078% |
| 40 | 15.455 | 2100 | 2105 | 2110 | rVB  | 80136   | 105829  | 2.49%  | 0.208% |
| 41 | 15.514 | 2110 | 2115 | 2119 | rBV6 | 7154    | 11830   | 0.28%  | 0.023% |
| 42 | 15.608 | 2123 | 2131 | 2143 | rVB  | 2542185 | 3887008 | 91.48% | 7.636% |
| 43 | 15.731 | 2143 | 2152 | 2165 | rBV  | 600324  | 966523  | 22.75% | 1.899% |
| 44 | 15.849 | 2165 | 2172 | 2178 | rVV5 | 52929   | 100383  | 2.36%  | 0.197% |
| 45 | 15.955 | 2186 | 2190 | 2194 | rVB4 | 11889   | 16228   | 0.38%  | 0.032% |
| 46 | 16.002 | 2196 | 2198 | 2205 | rBV6 | 12364   | 19621   | 0.46%  | 0.039% |
| 47 | 16.072 | 2205 | 2210 | 2217 | rVB5 | 16138   | 20027   | 0.47%  | 0.039% |
| 48 | 16.166 | 2220 | 2226 | 2227 | rBV6 | 5854    | 7998    | 0.19%  | 0.016% |
| 49 | 16.237 | 2234 | 2238 | 2240 | rBV4 | 7120    | 8691    | 0.20%  | 0.017% |
| 50 | 16.307 | 2246 | 2250 | 2261 | rBV  | 99271   | 182936  | 4.31%  | 0.359% |
| 51 | 16.483 | 2277 | 2280 | 2284 | rVB4 | 7523    | 10854   | 0.26%  | 0.021% |
| 52 | 16.554 | 2289 | 2292 | 2300 | rVB9 | 6689    | 9803    | 0.23%  | 0.019% |
| 53 | 16.654 | 2303 | 2309 | 2316 | rBV6 | 15673   | 31085   | 0.73%  | 0.061% |
| 54 | 16.712 | 2316 | 2319 | 2323 | rVB4 | 7688    | 10236   | 0.24%  | 0.020% |
| 55 | 16.771 | 2323 | 2329 | 2332 | rBV6 | 8970    | 12443   | 0.29%  | 0.024% |
| 56 | 16.818 | 2334 | 2337 | 2341 | rBV3 | 10244   | 11287   | 0.27%  | 0.022% |
| 57 | 16.883 | 2344 | 2348 | 2350 | rBV3 | 9385    | 9897    | 0.23%  | 0.019% |
| 58 | 16.912 | 2350 | 2353 | 2358 | rVB7 | 5174    | 7464    | 0.18%  | 0.015% |
| 59 | 17.100 | 2379 | 2385 | 2389 | rBV  | 67056   | 86844   | 2.04%  | 0.171% |
| 60 | 17.147 | 2389 | 2393 | 2405 | rVV4 | 28546   | 60959   | 1.43%  | 0.120% |
| 61 | 17.253 | 2409 | 2411 | 2416 | rVB6 | 5874    | 9117    | 0.21%  | 0.018% |
| 62 | 17.353 | 2420 | 2428 | 2437 | rBV2 | 1496080 | 2241351 | 52.75% | 4.403% |
| 63 | 17.453 | 2437 | 2445 | 2455 | rVB2 | 2615144 | 3914725 | 92.13% | 7.691% |
| 64 | 17.570 | 2462 | 2465 | 2472 | rVB9 | 7271    | 9271    | 0.22%  | 0.018% |
| 65 | 17.623 | 2472 | 2474 | 2483 | rVB8 | 7663    | 14851   | 0.35%  | 0.029% |
| 66 | 17.758 | 2490 | 2497 | 2500 | rBV8 | 6309    | 13586   | 0.32%  | 0.027% |
| 67 | 17.835 | 2503 | 2510 | 2517 | rBV2 | 37626   | 49656   | 1.17%  | 0.098% |
| 68 | 17.952 | 2527 | 2530 | 2535 | rVB7 | 6677    | 10928   | 0.26%  | 0.021% |
| 69 | 18.005 | 2535 | 2539 | 2544 | rBV7 | 11174   | 20244   | 0.48%  | 0.040% |
| 70 | 18.117 | 2555 | 2558 | 2560 | rBV3 | 4537    | 6380    | 0.15%  | 0.013% |
| 71 | 18.234 | 2572 | 2578 | 2587 | rBV2 | 122778  | 225927  | 5.32%  | 0.444% |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
 Data File : BG026855.D  
 Acq On : 3 May 2017 17:25  
 Operator : SJ/MA  
 Sample : I2871-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 YAB20

## 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\SOM-EPA-BG042717.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.305 | 2587 | 2590 | 2596 | rVB  | 10872   | 24176   | 0.57%   | 0.047% |
| 73  | 18.522 | 2622 | 2627 | 2633 | rBV2 | 20116   | 29491   | 0.69%   | 0.058% |
| 74  | 19.151 | 2730 | 2734 | 2738 | rBV5 | 6584    | 12983   | 0.31%   | 0.026% |
| 75  | 19.374 | 2766 | 2772 | 2779 | rBV2 | 36037   | 63230   | 1.49%   | 0.124% |
| 76  | 19.503 | 2788 | 2794 | 2801 | rBV6 | 28776   | 58723   | 1.38%   | 0.115% |
| 77  | 19.627 | 2811 | 2815 | 2825 | rVB  | 28657   | 52855   | 1.24%   | 0.104% |
| 78  | 19.732 | 2825 | 2833 | 2845 | rBV  | 2911272 | 4155588 | 97.80%  | 8.164% |
| 79  | 20.067 | 2889 | 2890 | 2896 | rVB6 | 8129    | 10367   | 0.24%   | 0.020% |
| 80  | 20.132 | 2896 | 2901 | 2906 | rBV9 | 7865    | 21204   | 0.50%   | 0.042% |
| 81  | 20.320 | 2930 | 2933 | 2936 | rVB5 | 7877    | 7009    | 0.16%   | 0.014% |
| 82  | 20.390 | 2942 | 2945 | 2949 | rVB6 | 7994    | 11041   | 0.26%   | 0.022% |
| 83  | 20.443 | 2950 | 2954 | 2957 | rVV5 | 6271    | 8895    | 0.21%   | 0.017% |
| 84  | 20.608 | 2980 | 2982 | 2984 | rBV3 | 10479   | 8393    | 0.20%   | 0.016% |
| 85  | 20.743 | 3002 | 3005 | 3007 | rVB3 | 8372    | 8340    | 0.20%   | 0.016% |
| 86  | 20.819 | 3017 | 3018 | 3021 | rBV3 | 9034    | 6839    | 0.16%   | 0.013% |
| 87  | 20.849 | 3021 | 3023 | 3029 | rVB7 | 10357   | 17310   | 0.41%   | 0.034% |
| 88  | 21.154 | 3073 | 3075 | 3080 | rBV6 | 13254   | 18674   | 0.44%   | 0.037% |
| 89  | 21.601 | 3144 | 3151 | 3162 | rVB  | 1432825 | 2313278 | 54.44%  | 4.545% |
| 90  | 22.371 | 3278 | 3282 | 3286 | rBV6 | 24546   | 40526   | 0.95%   | 0.080% |
| 91  | 22.418 | 3287 | 3290 | 3296 | rVB8 | 15143   | 36171   | 0.85%   | 0.071% |
| 92  | 23.034 | 3391 | 3395 | 3404 | rVB4 | 44588   | 90377   | 2.13%   | 0.178% |
| 93  | 23.228 | 3423 | 3428 | 3439 | rVB3 | 40060   | 88868   | 2.09%   | 0.175% |
| 94  | 23.822 | 3523 | 3529 | 3540 | rBV2 | 57063   | 129353  | 3.04%   | 0.254% |
| 95  | 24.544 | 3640 | 3652 | 3669 | rBV2 | 1484232 | 4249141 | 100.00% | 8.348% |
| 96  | 24.756 | 3677 | 3688 | 3702 | rBV2 | 901672  | 2589644 | 60.95%  | 5.087% |
| 97  | 25.837 | 3865 | 3872 | 3882 | rBV4 | 79384   | 206422  | 4.86%   | 0.406% |
| 98  | 27.159 | 4088 | 4097 | 4110 | rVB4 | 81823   | 289992  | 6.82%   | 0.570% |
| 99  | 28.740 | 4357 | 4366 | 4384 | rVB6 | 61806   | 245369  | 5.77%   | 0.482% |
| 100 | 30.655 | 4683 | 4692 | 4710 | rVB5 | 49608   | 232768  | 5.48%   | 0.457% |

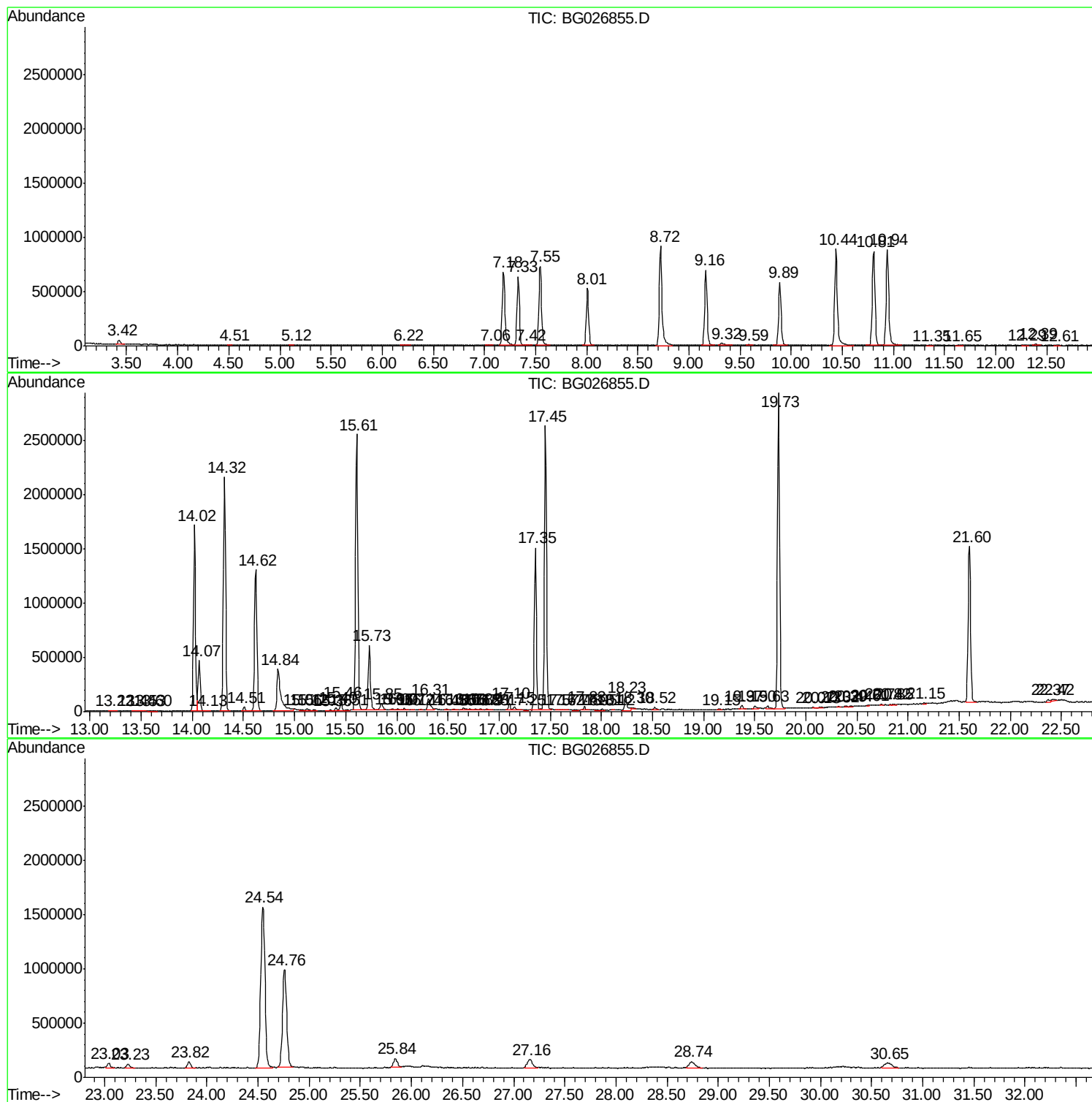
Sum of corrected areas: 50902665

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
Data File : BG026855.D  
Acq On : 3 May 2017 17:25  
Operator : SJ/MA  
Sample : I2871-09  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YAB20

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
Data File : BG026855.D  
Acq On : 3 May 2017 17:25  
Operator : SJ/MA  
Sample : I2871-09  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YAB20

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M  
Quant Title : SVOA CALIBRATION

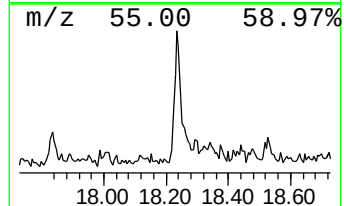
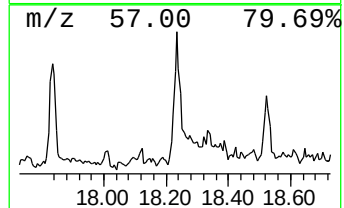
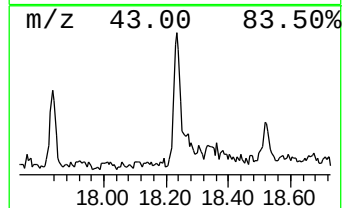
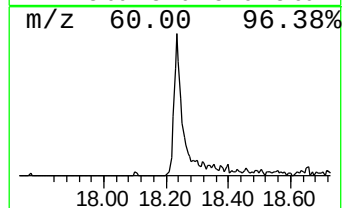
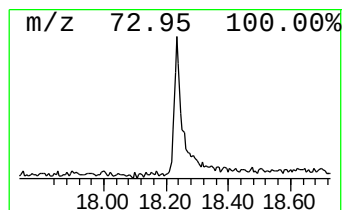
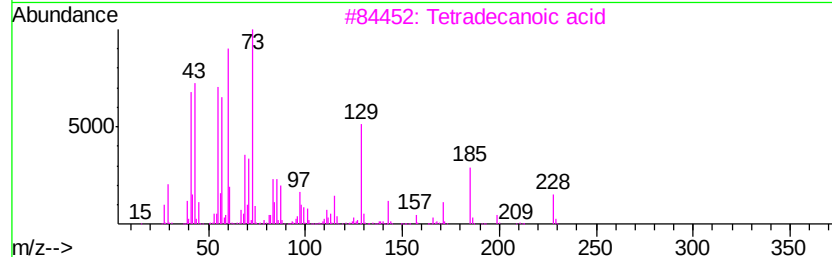
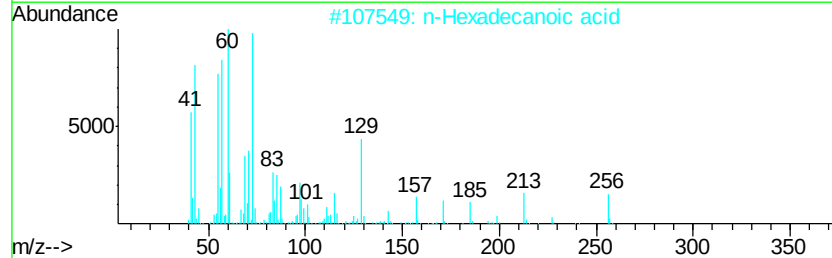
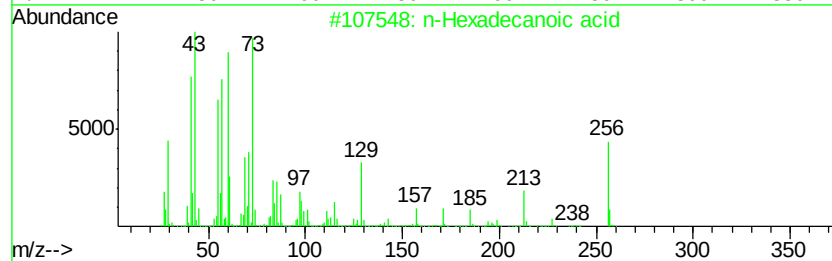
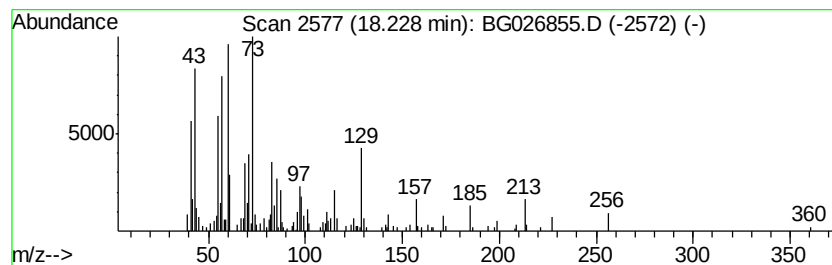
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.23 | 2.02 ng/ul | 225927 | Phenanthrene-d10 | 17.35 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 5       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 93   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
Data File : BG026855.D  
Acq On : 3 May 2017 17:25  
Operator : SJ/MA  
Sample : I2871-09  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YAB20

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M  
Quant Title : SVOA CALIBRATION

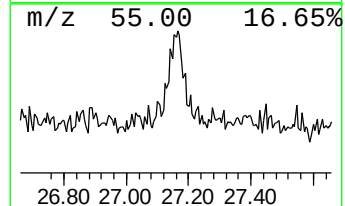
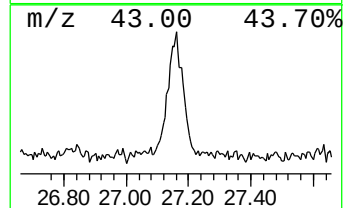
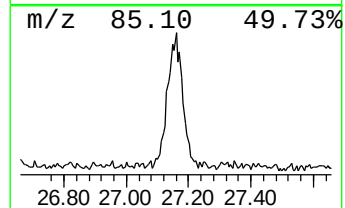
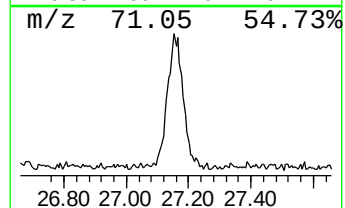
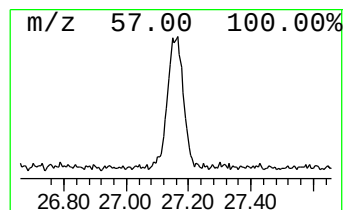
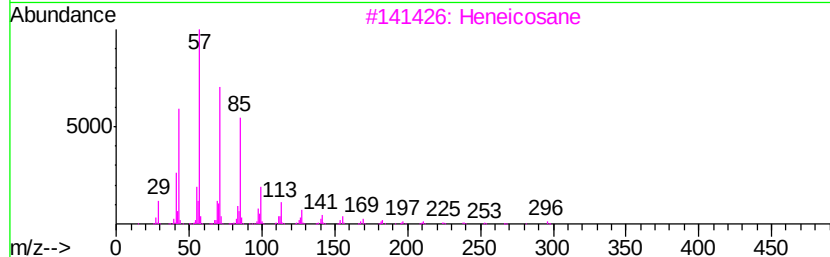
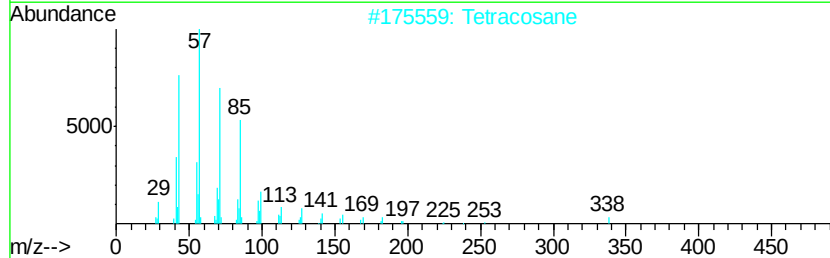
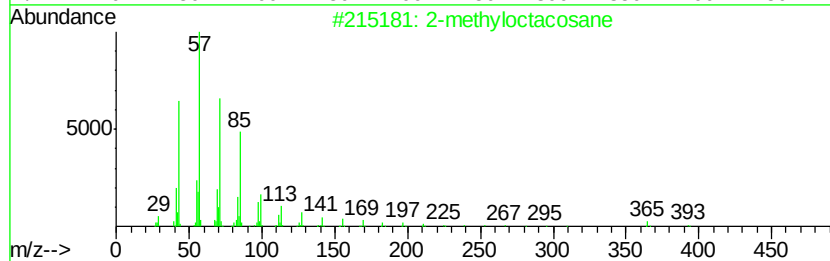
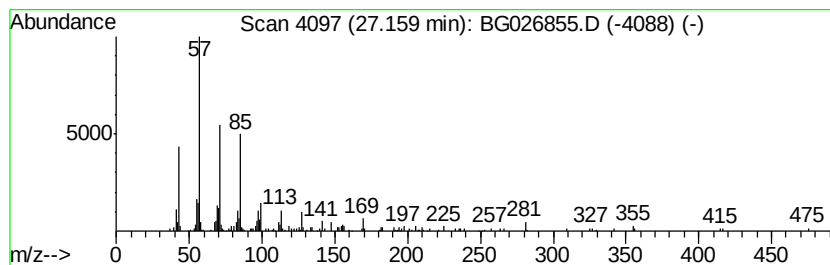
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.16 | 2.24 ng/ul | 289992 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane                 | 408 | C29H60  | 1000376-72-8 | 90   |
| 2    |    | Tetracosane                        | 338 | C24H50  | 000646-31-1  | 90   |
| 3    |    | Heneicosane                        | 296 | C21H44  | 000629-94-7  | 90   |
| 4    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8  | 89   |
| 5    |    | Heneicosane                        | 296 | C21H44  | 000629-94-7  | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050317\  
Data File : BG026855.D  
Acq On : 3 May 2017 17:25  
Operator : SJ/MA  
Sample : I2871-09  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
YAB20

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.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 |
| n-Hexadecanoic acid  | 18.23 | 2.0     | ng/ul | 225927   | 4                     | 17.35 | 2241350 | 20.0 |
| (DEL) Alkane: Str... | 27.16 | 2.2     | ng/ul | 289992   | 6                     | 24.76 | 2589640 | 20.0 |