

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050917\  
 Data File : BG026923.D  
 Acq On : 9 May 2017 22:17  
 Operator : SJ/MA  
 Sample : PB98803BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK03

## 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         | 3.426       | 53            | 57          | 67           | rVB2     | 54614          | 100337        | 2.33%           | 0.177%        |
| 2         | 6.880       | 643           | 645         | 651          | rVB4     | 2819           | 4885          | 0.11%           | 0.009%        |
| 3         | 7.180       | 689           | 696         | 713          | rBV      | 845668         | 1536805       | 35.66%          | 2.705%        |
| 4         | 7.327       | 713           | 721         | 733          | rVB      | 734786         | 1208160       | 28.04%          | 2.127%        |
| 5         | 7.421       | 734           | 737         | 742          | rVB6     | 6441           | 7239          | 0.17%           | 0.013%        |
| 6         | 7.544       | 750           | 758         | 772          | rBV      | 904422         | 1577801       | 36.62%          | 2.778%        |
| 7         | 7.697       | 782           | 784         | 789          | rVB5     | 3294           | 4447          | 0.10%           | 0.008%        |
| 8         | 8.003       | 828           | 836         | 851          | rVB      | 646220         | 1113196       | 25.83%          | 1.960%        |
| 9         | 8.719       | 950           | 958         | 985          | rBV      | 1082026        | 2084138       | 48.37%          | 3.669%        |
| 10        | 9.160       | 1025          | 1033        | 1047         | rBV      | 842586         | 1503059       | 34.88%          | 2.646%        |
| 11        | 9.325       | 1058          | 1061        | 1069         | rVB4     | 2662           | 5919          | 0.14%           | 0.010%        |
| 12        | 9.889       | 1149          | 1157        | 1173         | rBV      | 680888         | 1266222       | 29.38%          | 2.229%        |
| 13        | 10.435      | 1242          | 1250        | 1280         | rBV      | 1021826        | 2009229       | 46.63%          | 3.537%        |
| 14        | 10.805      | 1301          | 1313        | 1327         | rVB      | 1030318        | 1877530       | 43.57%          | 3.305%        |
| 15        | 10.934      | 1327          | 1335        | 1361         | rBV      | 1113930        | 2122224       | 49.25%          | 3.736%        |
| 16        | 12.386      | 1577          | 1582        | 1592         | rBV2     | 15762          | 37311         | 0.87%           | 0.066%        |
| 17        | 13.232      | 1719          | 1726        | 1729         | rVB6     | 3371           | 4996          | 0.12%           | 0.009%        |
| 18        | 14.019      | 1847          | 1860        | 1877         | rBV      | 1831726        | 2684993       | 62.31%          | 4.727%        |
| 19        | 14.313      | 1901          | 1910        | 1927         | rVV      | 2243971        | 3642398       | 84.53%          | 6.412%        |
| 20        | 14.618      | 1954          | 1962        | 1978         | rBV2     | 1448061        | 2391844       | 55.51%          | 4.211%        |
| 21        | 14.836      | 1989          | 1999        | 2036         | rBV      | 366202         | 1070861       | 24.85%          | 1.885%        |
| 22        | 15.341      | 2080          | 2085        | 2089         | rBV7     | 2845           | 5968          | 0.14%           | 0.011%        |
| 23        | 15.400      | 2092          | 2095        | 2103         | rVB5     | 2627           | 6846          | 0.16%           | 0.012%        |
| 24        | 15.605      | 2122          | 2130        | 2144         | rBV      | 2748621        | 4242082       | 98.44%          | 7.468%        |
| 25        | 15.729      | 2144          | 2151        | 2166         | rVV      | 574074         | 913958        | 21.21%          | 1.609%        |
| 26        | 15.846      | 2166          | 2171        | 2182         | rVB      | 34483          | 59896         | 1.39%           | 0.105%        |
| 27        | 16.169      | 2221          | 2226        | 2231         | rBV4     | 3705           | 6746          | 0.16%           | 0.012%        |
| 28        | 16.387      | 2258          | 2263        | 2268         | rBV6     | 4273           | 7352          | 0.17%           | 0.013%        |
| 29        | 16.557      | 2285          | 2292        | 2295         | rVB4     | 5731           | 8790          | 0.20%           | 0.015%        |
| 30        | 17.145      | 2388          | 2392        | 2398         | rBV4     | 7886           | 13262         | 0.31%           | 0.023%        |
| 31        | 17.233      | 2398          | 2407        | 2411         | rVB4     | 3713           | 8895          | 0.21%           | 0.016%        |
| 32        | 17.350      | 2416          | 2427        | 2437         | rBV2     | 1622903        | 2447982       | 56.81%          | 4.309%        |
| 33        | 17.450      | 2437          | 2444        | 2460         | rVB2     | 2684631        | 4058151       | 94.18%          | 7.144%        |
| 34        | 17.750      | 2490          | 2495        | 2502         | rBV6     | 5427           | 9466          | 0.22%           | 0.017%        |

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 Sampling : 1  
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 Stop Thrs : 0

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 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 | 18.003 | 2531 | 2538 | 2539 | rBV5 | 3204    | 4884    | 0.11%   | 0.009% |
| 36 | 18.149 | 2557 | 2563 | 2567 | rBV4 | 2599    | 5705    | 0.13%   | 0.010% |
| 37 | 18.208 | 2568 | 2573 | 2577 | rVV7 | 2196    | 4389    | 0.10%   | 0.008% |
| 38 | 18.302 | 2581 | 2589 | 2592 | rBV7 | 5284    | 13369   | 0.31%   | 0.024% |
| 39 | 18.367 | 2597 | 2600 | 2603 | rVB5 | 5425    | 5057    | 0.12%   | 0.009% |
| 40 | 18.479 | 2613 | 2619 | 2620 | rVB3 | 3157    | 4325    | 0.10%   | 0.008% |
| 41 | 18.584 | 2631 | 2637 | 2638 | rBV4 | 3726    | 5114    | 0.12%   | 0.009% |
| 42 | 18.608 | 2638 | 2641 | 2644 | rVV4 | 3785    | 5071    | 0.12%   | 0.009% |
| 43 | 18.649 | 2644 | 2648 | 2650 | rVB5 | 4739    | 5486    | 0.13%   | 0.010% |
| 44 | 18.672 | 2650 | 2652 | 2656 | rBV3 | 4350    | 5733    | 0.13%   | 0.010% |
| 45 | 18.749 | 2660 | 2665 | 2670 | rVB6 | 4717    | 8949    | 0.21%   | 0.016% |
| 46 | 18.813 | 2670 | 2676 | 2678 | rBV6 | 3456    | 6410    | 0.15%   | 0.011% |
| 47 | 18.855 | 2682 | 2683 | 2689 | rBV5 | 3437    | 5454    | 0.13%   | 0.010% |
| 48 | 19.372 | 2762 | 2771 | 2781 | rBV2 | 30160   | 54397   | 1.26%   | 0.096% |
| 49 | 19.495 | 2788 | 2792 | 2798 | rVB7 | 4776    | 10094   | 0.23%   | 0.018% |
| 50 | 19.560 | 2801 | 2803 | 2807 | rBV5 | 3744    | 5538    | 0.13%   | 0.010% |
| 51 | 19.618 | 2807 | 2813 | 2822 | rVV3 | 25573   | 53728   | 1.25%   | 0.095% |
| 52 | 19.730 | 2823 | 2832 | 2846 | rBV  | 2937631 | 4309090 | 100.00% | 7.586% |
| 53 | 20.323 | 2929 | 2933 | 2937 | rBV6 | 5192    | 6542    | 0.15%   | 0.012% |
| 54 | 20.412 | 2946 | 2948 | 2952 | rBV5 | 5166    | 5910    | 0.14%   | 0.010% |
| 55 | 20.476 | 2955 | 2959 | 2961 | rBV5 | 5441    | 6072    | 0.14%   | 0.011% |
| 56 | 20.558 | 2968 | 2973 | 2974 | rBV4 | 4883    | 6290    | 0.15%   | 0.011% |
| 57 | 20.629 | 2980 | 2985 | 2986 | rBV5 | 5206    | 8025    | 0.19%   | 0.014% |
| 58 | 20.676 | 2987 | 2993 | 2997 | rVV9 | 10240   | 18788   | 0.44%   | 0.033% |
| 59 | 20.970 | 3040 | 3043 | 3047 | rVB6 | 6446    | 5887    | 0.14%   | 0.010% |
| 60 | 21.017 | 3048 | 3051 | 3053 | rBV4 | 4637    | 5244    | 0.12%   | 0.009% |
| 61 | 21.152 | 3071 | 3074 | 3079 | rBV4 | 9014    | 16631   | 0.39%   | 0.029% |
| 62 | 21.234 | 3085 | 3088 | 3092 | rVB6 | 8580    | 13119   | 0.30%   | 0.023% |
| 63 | 21.310 | 3100 | 3101 | 3109 | rBV8 | 7034    | 9115    | 0.21%   | 0.016% |
| 64 | 21.469 | 3124 | 3128 | 3132 | rVB7 | 5765    | 10708   | 0.25%   | 0.019% |
| 65 | 21.504 | 3133 | 3134 | 3136 | rVB2 | 7670    | 5130    | 0.12%   | 0.009% |
| 66 | 21.598 | 3142 | 3150 | 3164 | rBV  | 1562604 | 2564279 | 59.51%  | 4.514% |
| 67 | 21.769 | 3175 | 3179 | 3186 | rVB3 | 25827   | 38219   | 0.89%   | 0.067% |
| 68 | 22.010 | 3218 | 3220 | 3222 | rBV3 | 6831    | 6908    | 0.16%   | 0.012% |
| 69 | 22.362 | 3274 | 3280 | 3285 | rBV3 | 52876   | 96785   | 2.25%   | 0.170% |
| 70 | 22.885 | 3367 | 3369 | 3372 | rBV4 | 6822    | 8728    | 0.20%   | 0.015% |
| 71 | 23.038 | 3388 | 3395 | 3405 | rVB  | 111299  | 213481  | 4.95%   | 0.376% |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 72 | 23.114 | 3405 | 3408 | 3412 | rBV6  | 5565    | 6778    | 0.16%  | 0.012% |
| 73 | 23.208 | 3421 | 3424 | 3428 | rBV6  | 5307    | 8008    | 0.19%  | 0.014% |
| 74 | 23.819 | 3521 | 3528 | 3541 | rVB2  | 174459  | 367785  | 8.54%  | 0.647% |
| 75 | 24.078 | 3570 | 3572 | 3574 | rVB3  | 9366    | 6184    | 0.14%  | 0.011% |
| 76 | 24.219 | 3593 | 3596 | 3598 | rBV4  | 6975    | 9773    | 0.23%  | 0.017% |
| 77 | 24.283 | 3606 | 3607 | 3610 | rBV3  | 7551    | 7322    | 0.17%  | 0.013% |
| 78 | 24.542 | 3638 | 3651 | 3674 | rBV2  | 1480385 | 4303215 | 99.86% | 7.575% |
| 79 | 24.754 | 3676 | 3687 | 3709 | rVB3  | 1021783 | 3245444 | 75.32% | 5.713% |
| 80 | 25.840 | 3860 | 3872 | 3884 | rBV2  | 252346  | 791770  | 18.37% | 1.394% |
| 81 | 26.099 | 3913 | 3916 | 3917 | rBV3  | 9550    | 9270    | 0.22%  | 0.016% |
| 82 | 27.151 | 4081 | 4095 | 4108 | rBV   | 261235  | 901483  | 20.92% | 1.587% |
| 83 | 27.603 | 4171 | 4172 | 4176 | rBV4  | 5445    | 6817    | 0.16%  | 0.012% |
| 84 | 28.120 | 4252 | 4260 | 4264 | rVB10 | 10088   | 25810   | 0.60%  | 0.045% |
| 85 | 28.731 | 4350 | 4364 | 4383 | rVB4  | 175848  | 746295  | 17.32% | 1.314% |
| 86 | 30.647 | 4673 | 4690 | 4711 | rBV5  | 145659  | 760337  | 17.64% | 1.338% |
| 87 | 31.211 | 4785 | 4786 | 4792 | rVB6  | 5277    | 7442    | 0.17%  | 0.013% |

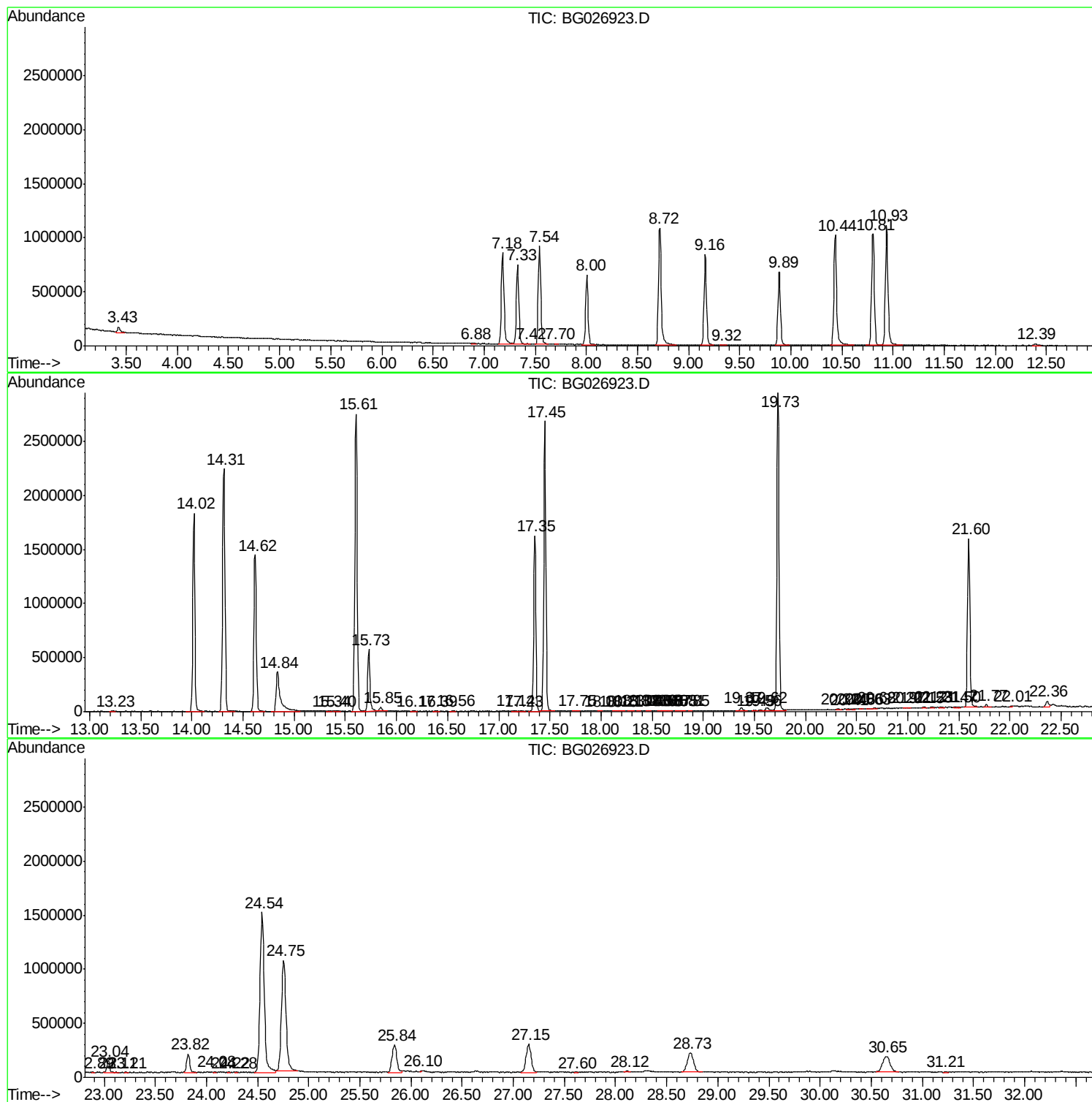
Sum of corrected areas: 56805375

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Instrument :  
BNA\_G  
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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\BG050917\  
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ClientSampleId :  
SBLK03

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

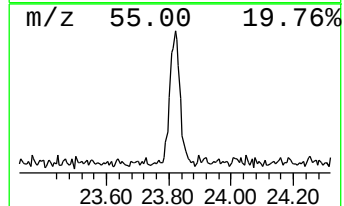
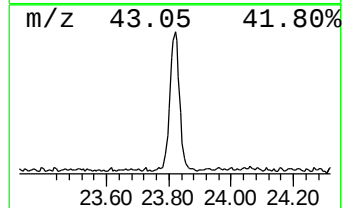
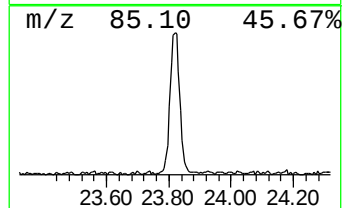
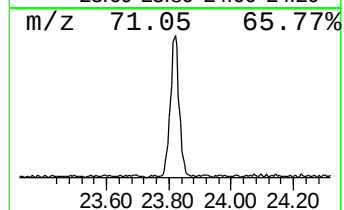
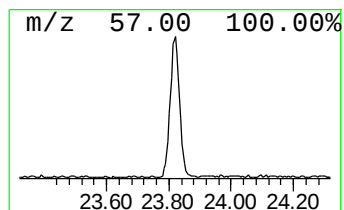
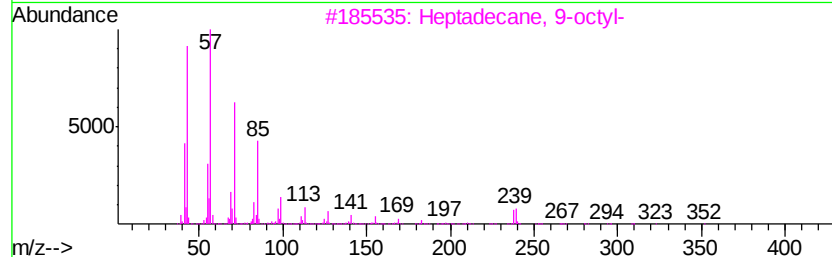
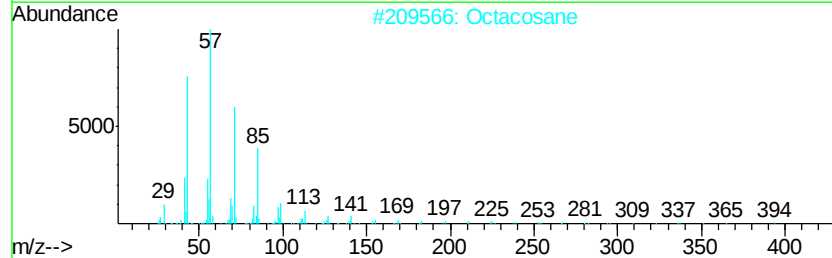
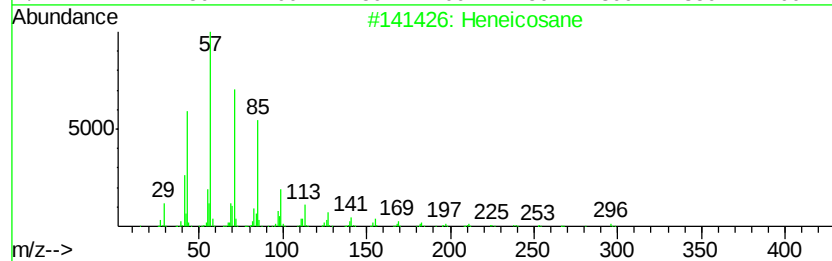
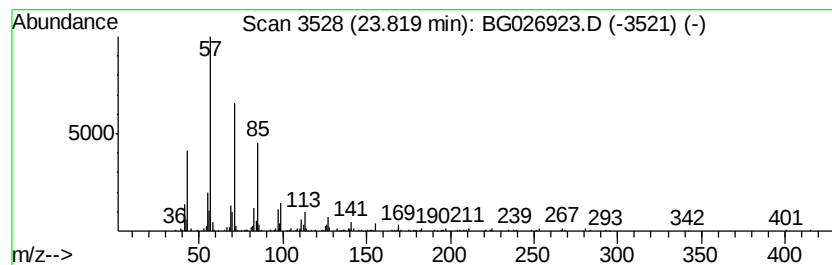
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.82 | 2.27 ng/ul | 367785 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Nonadecane            | 268 | C19H40  | 000629-92-5 | 91   |
| 5    |    | Eicosane, 2-methyl-   | 296 | C21H44  | 001560-84-5 | 91   |



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

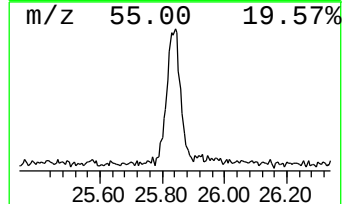
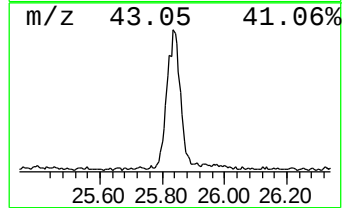
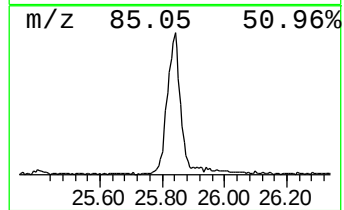
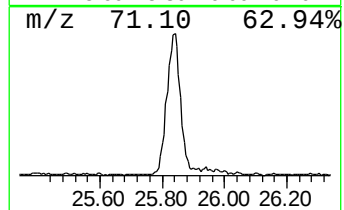
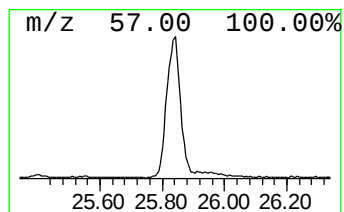
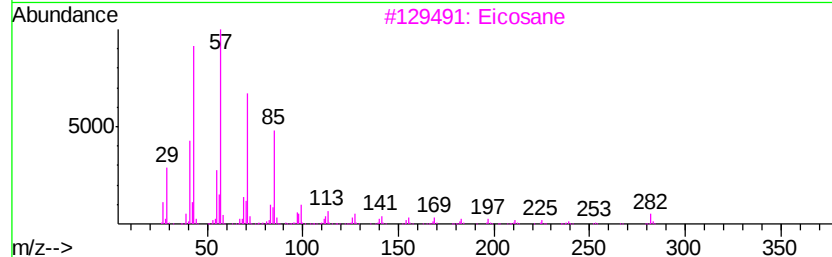
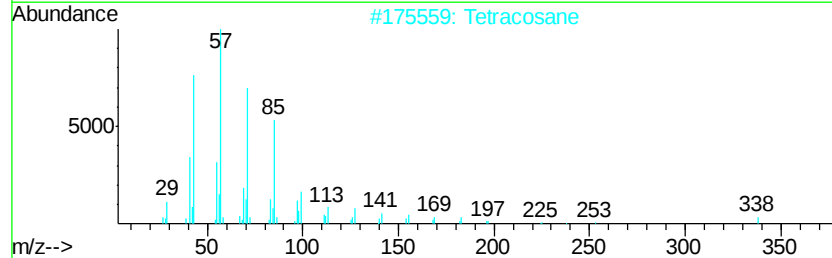
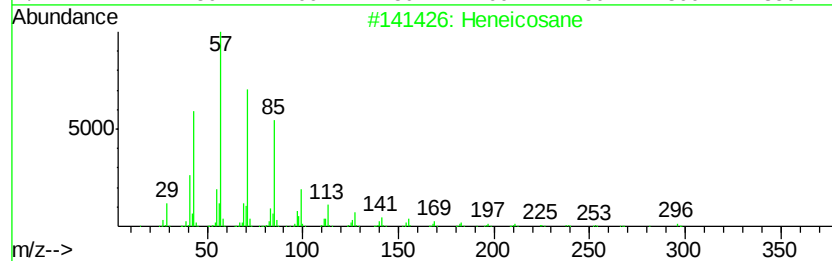
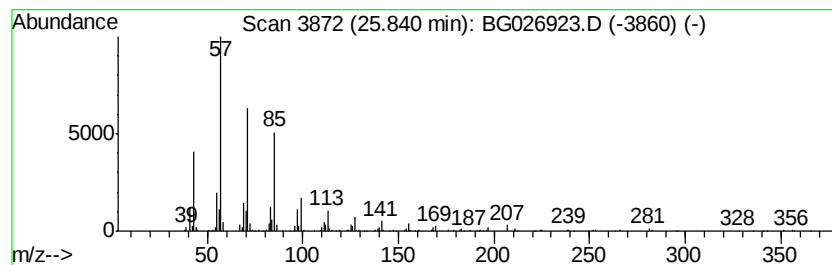
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.84 | 4.88 ng/ul | 791770 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 3    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 91   |
| 4    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 91   |
| 5    |    | Docosane     | 310 | C22H46  | 000629-97-0 | 91   |



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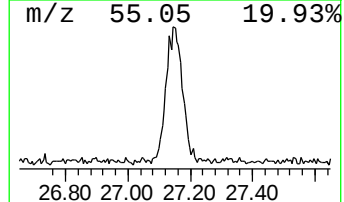
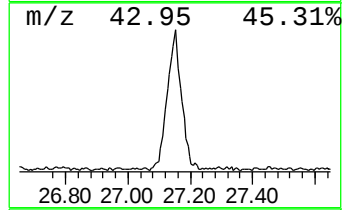
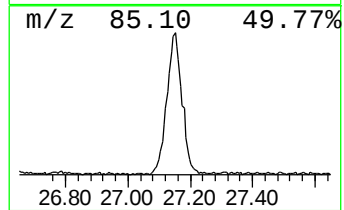
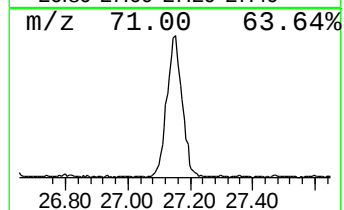
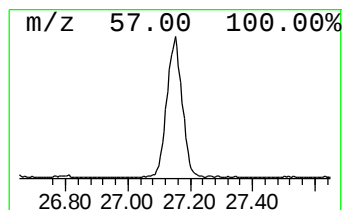
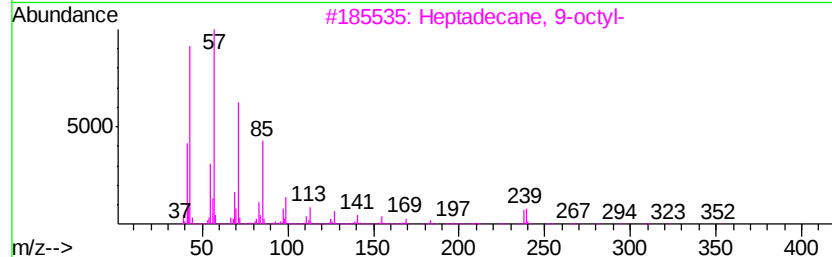
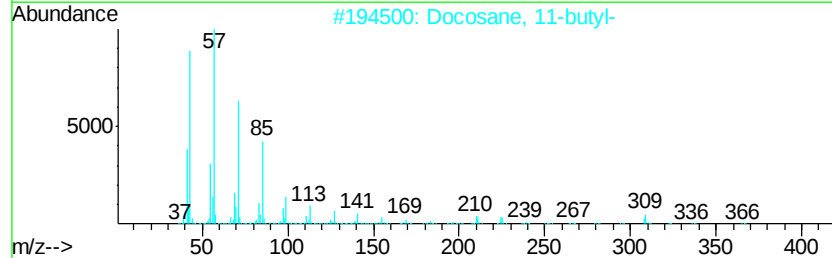
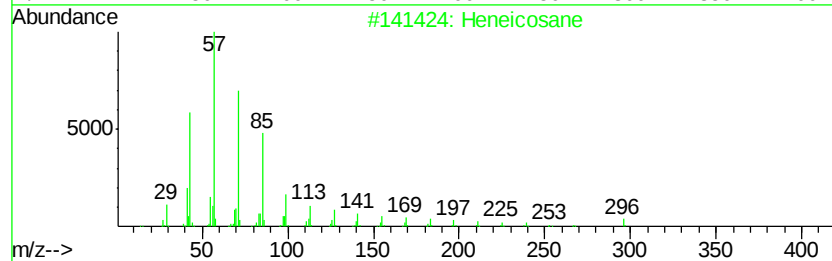
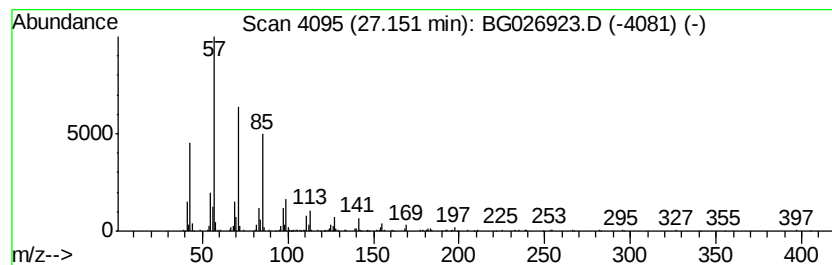
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 27.15 | 5.56 ng/ul | 901483 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 94   |
| 2    |    | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Eicosane, 7-hexyl-    | 366 | C26H54  | 055333-99-8 | 91   |
| 5    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050917\  
Data File : BG026923.D  
Acq On : 9 May 2017 22:17  
Operator : SJ/MA  
Sample : PB98803BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SBLK03

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

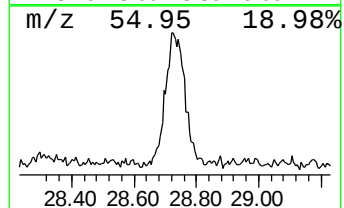
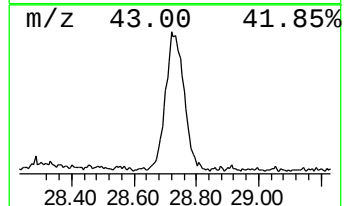
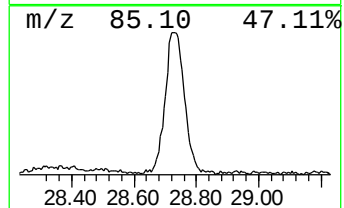
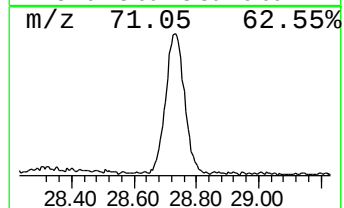
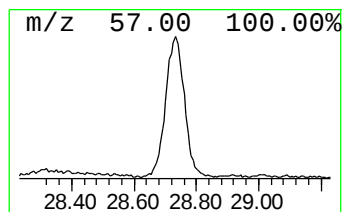
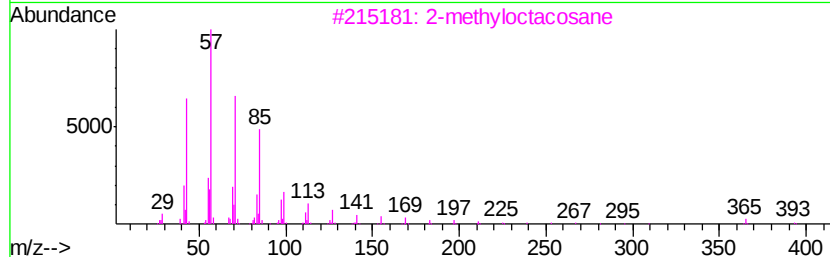
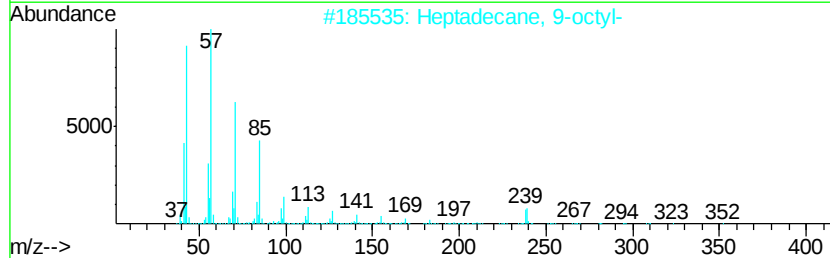
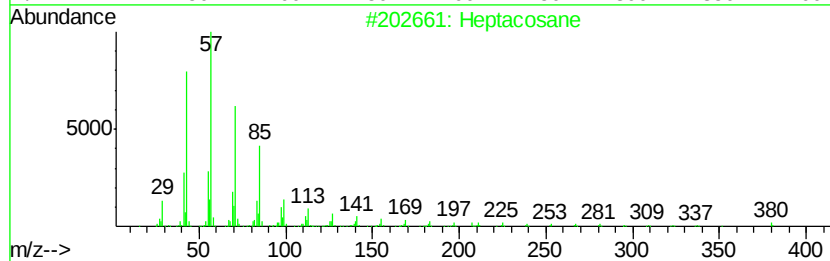
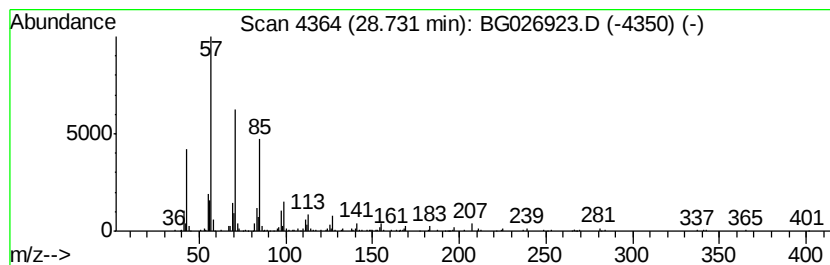
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.73 | 4.60 ng/ul | 746295 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane           | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 90   |
| 3    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 90   |
| 4    |    | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8  | 87   |
| 5    |    | Docosane              | 310 | C22H46  | 000629-97-0  | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050917\  
Data File : BG026923.D  
Acq On : 9 May 2017 22:17  
Operator : SJ/MA  
Sample : PB98803BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SBLK03

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

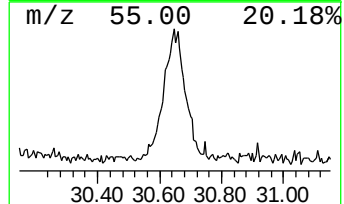
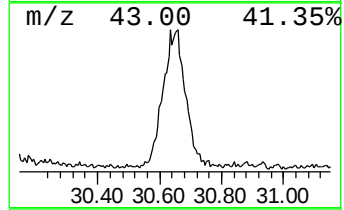
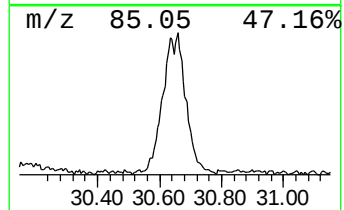
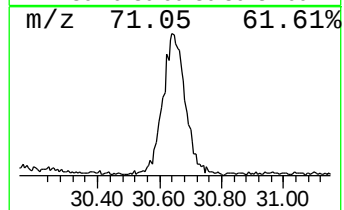
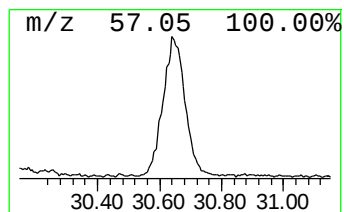
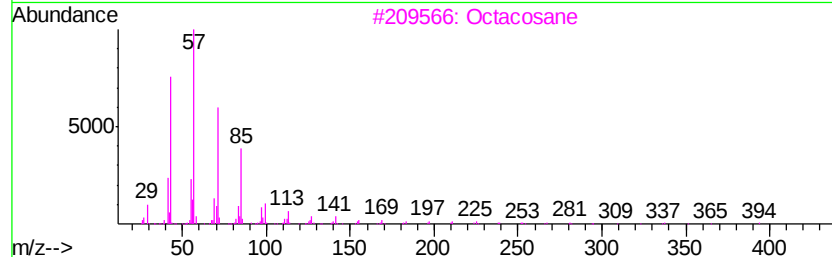
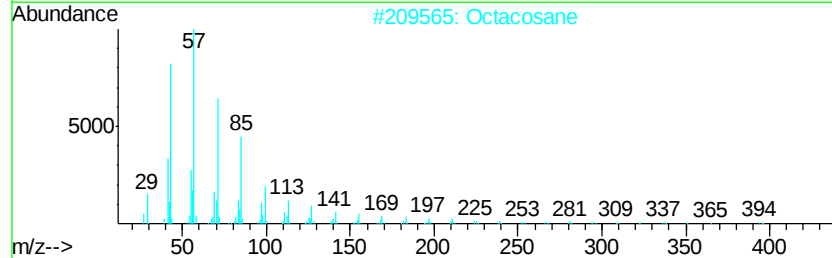
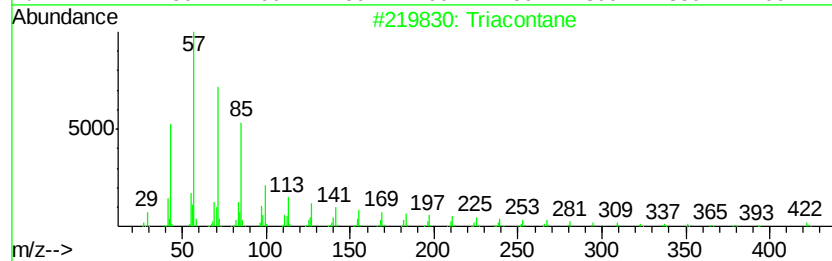
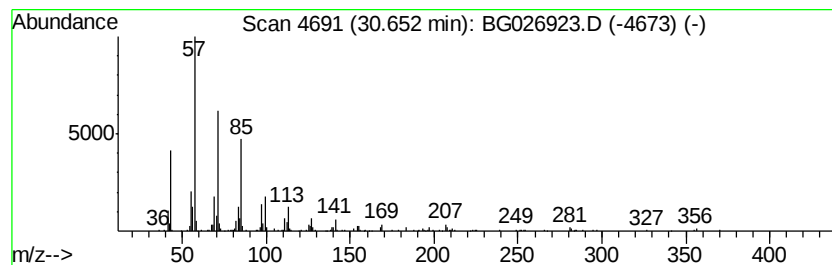
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 30.65 | 4.69 ng/ul | 760337 | Perylene-d12     | 24.76 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Triacontane    | 422 | C30H62  | 000638-68-6 | 90   |
| 2    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 90   |
| 3    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 87   |
| 4    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 87   |
| 5    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 87   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050917\  
Data File : BG026923.D  
Acq On : 9 May 2017 22:17  
Operator : SJ/MA  
Sample : PB98803BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SBLK03

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 23.82 | 2.3     | ng/ul | 367785   | 6                     | 24.76 | 3245440 | 20.0 |
| (DEL) Alkane: Str... | 25.84 | 4.9     | ng/ul | 791770   | 6                     | 24.76 | 3245440 | 20.0 |
| (DEL) Alkane: Str... | 27.15 | 5.6     | ng/ul | 901483   | 6                     | 24.76 | 3245440 | 20.0 |
| (DEL) Alkane: Str... | 28.73 | 4.6     | ng/ul | 746295   | 6                     | 24.76 | 3245440 | 20.0 |
| (DEL) Alkane: Str... | 30.65 | 4.7     | ng/ul | 760337   | 6                     | 24.76 | 3245440 | 20.0 |