

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080717\  
 Data File : BG028166.D  
 Acq On : 7 Aug 2017 21:42  
 Operator : SJ/JU  
 Sample : I4578-13  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C02T1

## 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-BG080217.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         | 3.846       | 40            | 44          | 52           | rVB4     | 10133          | 18130         | 1.00%           | 0.123%        |
| 2         | 4.299       | 118           | 121         | 124          | rBV3     | 1985           | 2666          | 0.15%           | 0.018%        |
| 3         | 4.422       | 139           | 142         | 145          | rVB3     | 2739           | 3366          | 0.19%           | 0.023%        |
| 4         | 4.822       | 208           | 210         | 218          | rVB4     | 1821           | 3189          | 0.18%           | 0.022%        |
| 5         | 5.356       | 297           | 301         | 306          | rBV3     | 2222           | 2445          | 0.13%           | 0.017%        |
| 6         | 6.567       | 502           | 507         | 512          | rVB6     | 2823           | 3694          | 0.20%           | 0.025%        |
| 7         | 6.990       | 576           | 579         | 585          | rVB2     | 2166           | 2524          | 0.14%           | 0.017%        |
| 8         | 7.049       | 585           | 589         | 594          | rBV4     | 2027           | 2647          | 0.15%           | 0.018%        |
| 9         | 7.336       | 637           | 638         | 645          | rBV2     | 2093           | 3558          | 0.20%           | 0.024%        |
| 10        | 7.507       | 660           | 667         | 680          | rVB2     | 39009          | 75117         | 4.13%           | 0.511%        |
| 11        | 7.671       | 684           | 695         | 705          | rBV      | 130107         | 218908        | 12.04%          | 1.490%        |
| 12        | 7.889       | 724           | 732         | 746          | rVB3     | 133788         | 246703        | 13.56%          | 1.679%        |
| 13        | 8.359       | 805           | 812         | 822          | rBV      | 139661         | 250971        | 13.80%          | 1.708%        |
| 14        | 8.500       | 831           | 836         | 838          | rBV4     | 1595           | 2433          | 0.13%           | 0.017%        |
| 15        | 8.647       | 855           | 861         | 866          | rBV5     | 1555           | 4409          | 0.24%           | 0.030%        |
| 16        | 8.770       | 880           | 882         | 888          | rVB4     | 1719           | 2687          | 0.15%           | 0.018%        |
| 17        | 9.046       | 918           | 929         | 944          | rBV      | 101432         | 199327        | 10.96%          | 1.356%        |
| 18        | 9.522       | 1000          | 1010        | 1023         | rBV      | 173192         | 325910        | 17.92%          | 2.218%        |
| 19        | 9.722       | 1040          | 1044        | 1048         | rVB5     | 1750           | 2759          | 0.15%           | 0.019%        |
| 20        | 10.157      | 1114          | 1118        | 1125         | rVB3     | 1901           | 3220          | 0.18%           | 0.022%        |
| 21        | 10.251      | 1125          | 1134        | 1146         | rBV      | 145014         | 279651        | 15.38%          | 1.903%        |
| 22        | 10.791      | 1219          | 1226        | 1249         | rBV      | 179406         | 358886        | 19.73%          | 2.442%        |
| 23        | 11.173      | 1283          | 1291        | 1300         | rVB      | 202144         | 382432        | 21.03%          | 2.602%        |
| 24        | 11.232      | 1300          | 1301        | 1307         | rBV3     | 2049           | 2598          | 0.14%           | 0.018%        |
| 25        | 11.314      | 1311          | 1315        | 1322         | rVB4     | 7031           | 13985         | 0.77%           | 0.095%        |
| 26        | 11.579      | 1355          | 1360        | 1366         | rVB2     | 1735           | 2801          | 0.15%           | 0.019%        |
| 27        | 12.225      | 1466          | 1470        | 1475         | rBV3     | 1302           | 2396          | 0.13%           | 0.016%        |
| 28        | 12.742      | 1555          | 1558        | 1562         | rBV5     | 1883           | 2481          | 0.14%           | 0.017%        |
| 29        | 13.400      | 1667          | 1670        | 1678         | rVB4     | 1390           | 2712          | 0.15%           | 0.018%        |
| 30        | 13.829      | 1738          | 1743        | 1748         | rVB3     | 2487           | 2899          | 0.16%           | 0.020%        |
| 31        | 14.352      | 1825          | 1832        | 1839         | rBV      | 526276         | 776496        | 42.69%          | 5.284%        |
| 32        | 14.657      | 1874          | 1884        | 1894         | rBV      | 462231         | 758999        | 41.73%          | 5.165%        |
| 33        | 14.734      | 1894          | 1897        | 1902         | rVB2     | 1740           | 2479          | 0.14%           | 0.017%        |
| 34        | 14.963      | 1928          | 1936        | 1946         | rBV2     | 353863         | 584719        | 32.15%          | 3.979%        |

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Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.157 | 1963 | 1969 | 1995 | rBV4 | 32641   | 88277   | 4.85%   | 0.601%  |
| 36 | 15.721 | 2062 | 2065 | 2070 | rBV3 | 1702    | 3021    | 0.17%   | 0.021%  |
| 37 | 15.950 | 2093 | 2104 | 2115 | rBV  | 696483  | 1096467 | 60.29%  | 7.462%  |
| 38 | 16.062 | 2115 | 2123 | 2135 | rBV  | 316005  | 502580  | 27.63%  | 3.420%  |
| 39 | 16.191 | 2142 | 2145 | 2154 | rVB4 | 8984    | 14206   | 0.78%   | 0.097%  |
| 40 | 16.720 | 2232 | 2235 | 2240 | rBV4 | 1989    | 2989    | 0.16%   | 0.020%  |
| 41 | 16.802 | 2248 | 2249 | 2257 | rBV4 | 1783    | 3994    | 0.22%   | 0.027%  |
| 42 | 17.248 | 2320 | 2325 | 2328 | rVB4 | 2429    | 2883    | 0.16%   | 0.020%  |
| 43 | 17.384 | 2344 | 2348 | 2353 | rBV4 | 2303    | 3861    | 0.21%   | 0.026%  |
| 44 | 17.507 | 2366 | 2369 | 2372 | rVB3 | 2599    | 3193    | 0.18%   | 0.022%  |
| 45 | 17.713 | 2394 | 2404 | 2413 | rBV  | 552899  | 848747  | 46.67%  | 5.776%  |
| 46 | 17.812 | 2413 | 2421 | 2440 | rVB2 | 960094  | 1495230 | 82.21%  | 10.175% |
| 47 | 18.153 | 2472 | 2479 | 2480 | rBV3 | 1862    | 3114    | 0.17%   | 0.021%  |
| 48 | 18.347 | 2504 | 2512 | 2515 | rBV2 | 1846    | 4026    | 0.22%   | 0.027%  |
| 49 | 18.400 | 2519 | 2521 | 2526 | rBV3 | 2338    | 2755    | 0.15%   | 0.019%  |
| 50 | 18.582 | 2544 | 2552 | 2555 | rBV6 | 3936    | 9199    | 0.51%   | 0.063%  |
| 51 | 18.647 | 2558 | 2563 | 2568 | rVB5 | 2728    | 5078    | 0.28%   | 0.035%  |
| 52 | 18.729 | 2573 | 2577 | 2579 | rBV2 | 2588    | 3527    | 0.19%   | 0.024%  |
| 53 | 18.800 | 2585 | 2589 | 2590 | rVB3 | 2442    | 2831    | 0.16%   | 0.019%  |
| 54 | 18.829 | 2590 | 2594 | 2597 | rBV3 | 2799    | 4598    | 0.25%   | 0.031%  |
| 55 | 18.870 | 2598 | 2601 | 2607 | rVB5 | 2319    | 3895    | 0.21%   | 0.027%  |
| 56 | 19.087 | 2635 | 2638 | 2643 | rBV4 | 2467    | 2833    | 0.16%   | 0.019%  |
| 57 | 19.281 | 2669 | 2671 | 2675 | rBV4 | 1995    | 2986    | 0.16%   | 0.020%  |
| 58 | 19.358 | 2681 | 2684 | 2688 | rBV3 | 1480    | 2666    | 0.15%   | 0.018%  |
| 59 | 19.440 | 2691 | 2698 | 2701 | rBV6 | 3184    | 4731    | 0.26%   | 0.032%  |
| 60 | 19.634 | 2729 | 2731 | 2736 | rBV3 | 2700    | 3142    | 0.17%   | 0.021%  |
| 61 | 19.722 | 2738 | 2746 | 2751 | rBV2 | 12606   | 19479   | 1.07%   | 0.133%  |
| 62 | 19.834 | 2760 | 2765 | 2767 | rBV4 | 3674    | 4599    | 0.25%   | 0.031%  |
| 63 | 19.857 | 2767 | 2769 | 2773 | rVB5 | 3593    | 4027    | 0.22%   | 0.027%  |
| 64 | 19.910 | 2773 | 2778 | 2781 | rBV6 | 3729    | 5660    | 0.31%   | 0.039%  |
| 65 | 19.980 | 2781 | 2790 | 2795 | rVB3 | 8736    | 20585   | 1.13%   | 0.140%  |
| 66 | 20.086 | 2799 | 2808 | 2820 | rBV  | 1223085 | 1818805 | 100.00% | 12.377% |
| 67 | 20.750 | 2917 | 2921 | 2923 | rBV3 | 5499    | 5805    | 0.32%   | 0.040%  |
| 68 | 20.791 | 2926 | 2928 | 2934 | rVB7 | 3490    | 5554    | 0.31%   | 0.038%  |
| 69 | 20.832 | 2934 | 2935 | 2938 | rBV3 | 3472    | 3242    | 0.18%   | 0.022%  |
| 70 | 20.944 | 2951 | 2954 | 2956 | rVB3 | 2878    | 2573    | 0.14%   | 0.018%  |
| 71 | 21.185 | 2994 | 2995 | 2998 | rBV3 | 3722    | 2514    | 0.14%   | 0.017%  |

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|----|--------|------|------|------|------|--------|---------|--------|---------|
| 72 | 21.391 | 3026 | 3030 | 3031 | rBV3 | 7191   | 5974    | 0.33%  | 0.041%  |
| 73 | 22.043 | 3133 | 3141 | 3150 | rBV  | 552314 | 999078  | 54.93% | 6.799%  |
| 74 | 22.859 | 3275 | 3280 | 3282 | rBV4 | 6748   | 10323   | 0.57%  | 0.070%  |
| 75 | 23.600 | 3401 | 3406 | 3413 | rBV6 | 13302  | 29773   | 1.64%  | 0.203%  |
| 76 | 24.475 | 3548 | 3555 | 3565 | rVB5 | 24058  | 52868   | 2.91%  | 0.360%  |
| 77 | 24.816 | 3610 | 3613 | 3614 | rVB3 | 4237   | 4294    | 0.24%  | 0.029%  |
| 78 | 24.840 | 3615 | 3617 | 3620 | rVB4 | 5012   | 4557    | 0.25%  | 0.031%  |
| 79 | 25.310 | 3684 | 3697 | 3712 | rVB2 | 524616 | 1638345 | 90.08% | 11.149% |
| 80 | 25.550 | 3722 | 3738 | 3754 | rVB2 | 313435 | 1018291 | 55.99% | 6.930%  |
| 81 | 25.979 | 3809 | 3811 | 3813 | rVB3 | 5107   | 3290    | 0.18%  | 0.022%  |
| 82 | 26.737 | 3931 | 3940 | 3954 | rVB3 | 34178  | 113062  | 6.22%  | 0.769%  |
| 83 | 28.212 | 4182 | 4191 | 4206 | rVB6 | 30819  | 120163  | 6.61%  | 0.818%  |
| 84 | 29.998 | 4487 | 4495 | 4507 | rVB6 | 18840  | 79467   | 4.37%  | 0.541%  |
| 85 | 30.568 | 4589 | 4592 | 4596 | rBV6 | 4719   | 4983    | 0.27%  | 0.034%  |
| 86 | 32.143 | 4849 | 4860 | 4862 | rBV9 | 16568  | 45450   | 2.50%  | 0.309%  |
| 87 | 32.619 | 4939 | 4941 | 4945 | rBV3 | 3109   | 3119    | 0.17%  | 0.021%  |

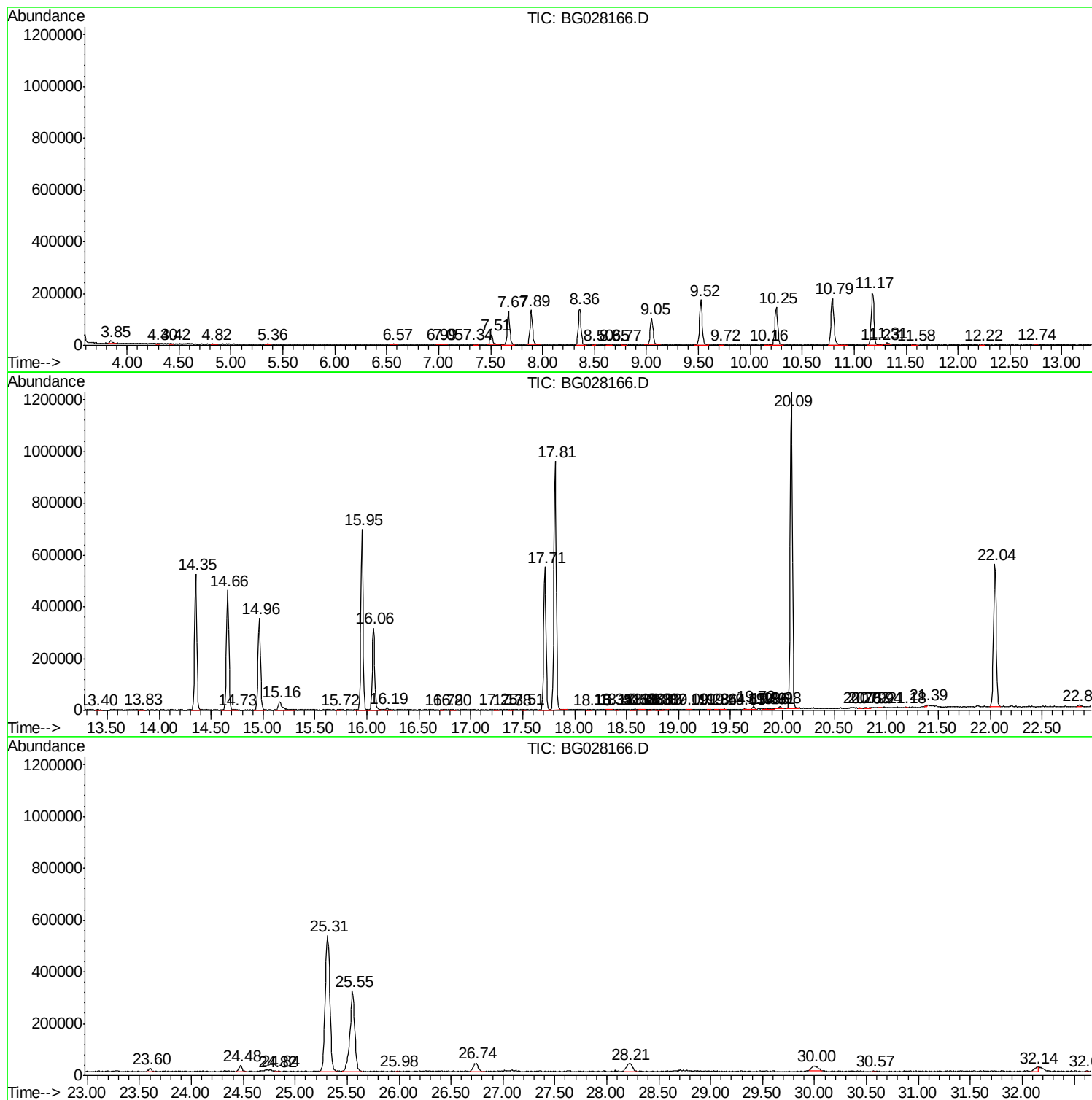
Sum of corrected areas: 14694906

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

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



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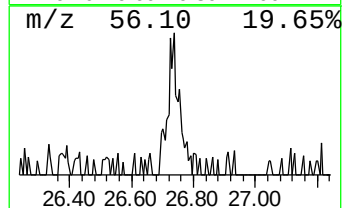
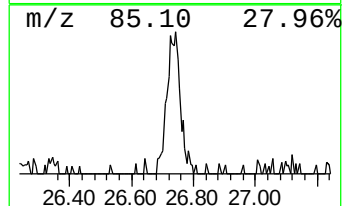
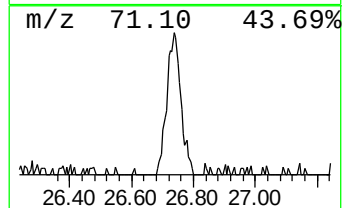
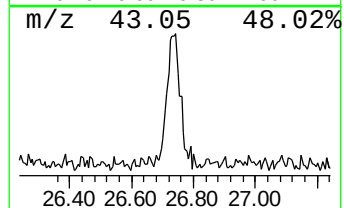
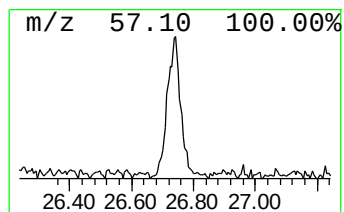
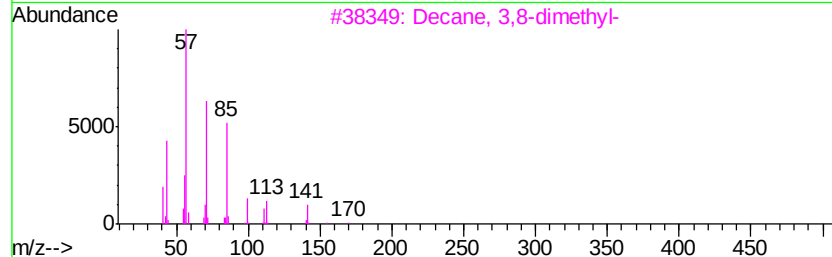
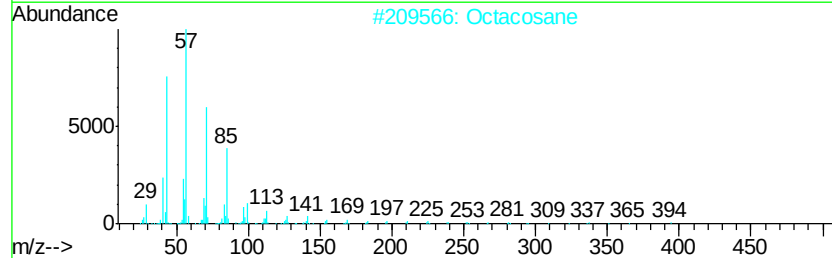
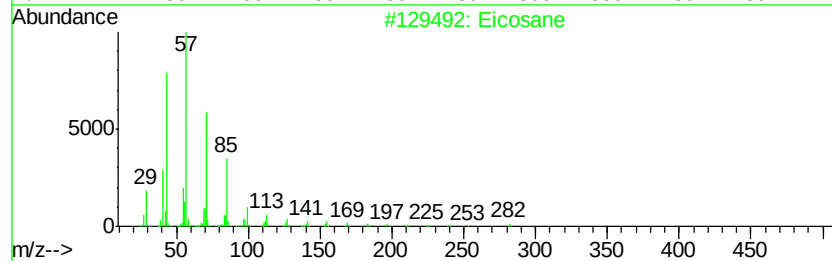
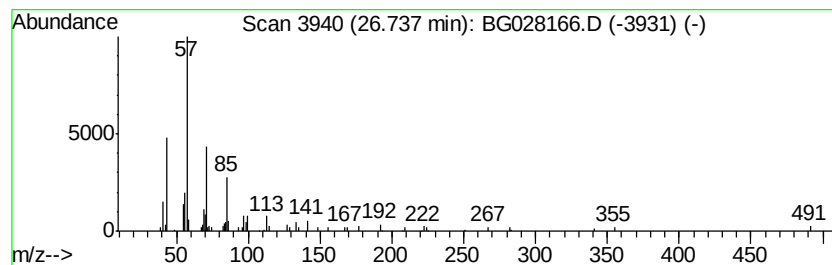
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.74 | 2.22 ng/ul | 113062 | Perylene-d12     | 25.55 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 64   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 59   |
| 3    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 59   |
| 4    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 53   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 52   |



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ClientSampled :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION

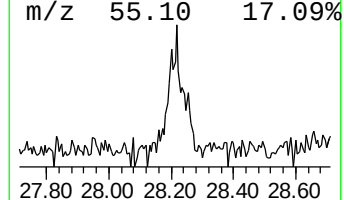
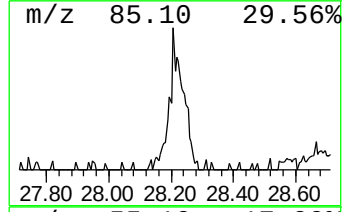
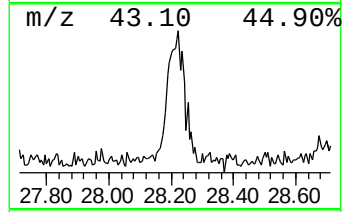
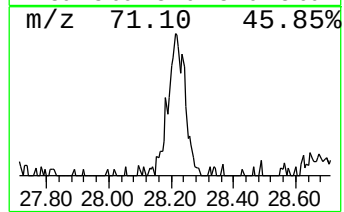
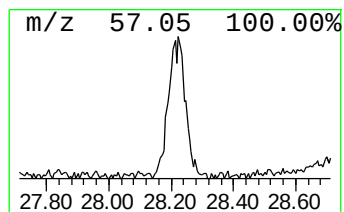
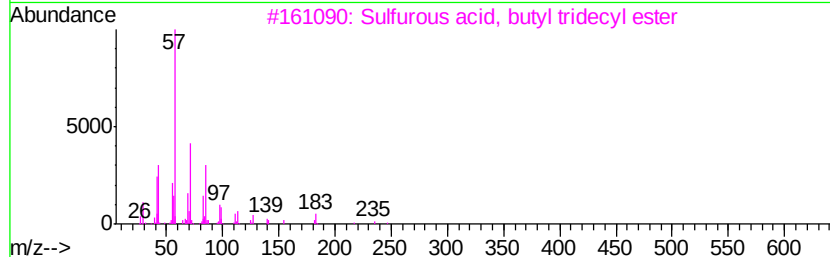
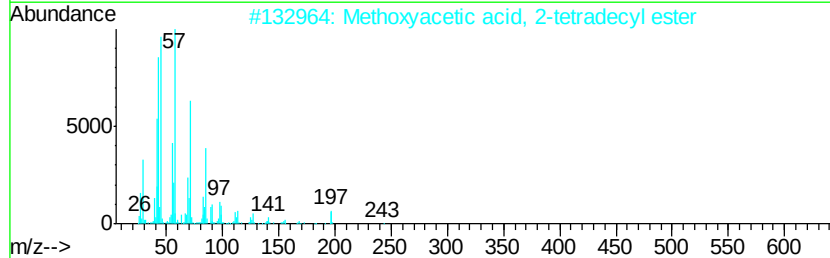
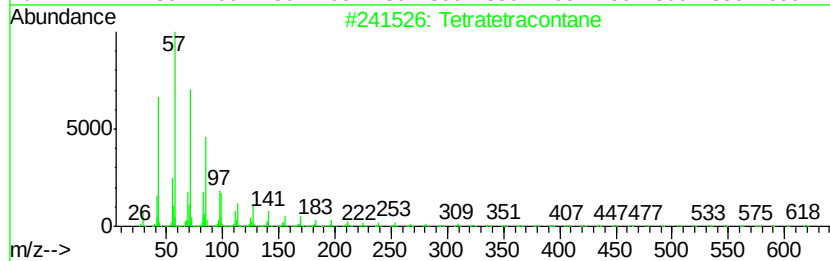
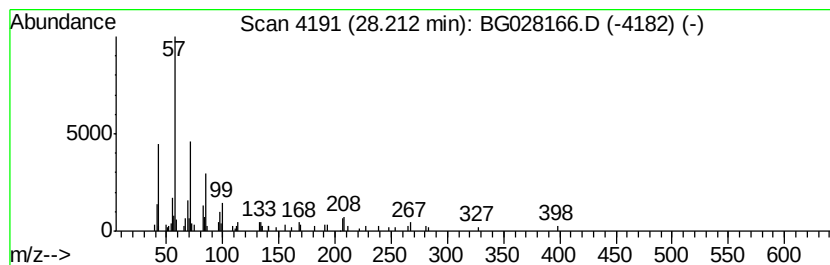
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 28.21 | 2.36 ng/ul | 120163 | Perylene-d12     | 25.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tetratetracontane                   | 619 | C44H90    | 007098-22-8  | 72   |
| 2    |    | Methoxyacetic acid, 2-tetradecyl... | 286 | C17H34O3  | 1000282-04-8 | 72   |
| 3    |    | Sulfurous acid, butyl tridecyl e... | 320 | C17H36O3S | 1000309-18-0 | 72   |
| 4    |    | Tetracosane                         | 338 | C24H50    | 000646-31-1  | 68   |
| 5    |    | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 64   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 26.74 | 2.2     | ng/ul | 113062   | 6                     | 25.55 | 1018290 | 20.0 |
| (DEL) Alkane: Str... | 28.21 | 2.4     | ng/ul | 120163   | 6                     | 25.55 | 1018290 | 20.0 |