

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
 Data File : BG028417.D  
 Acq On : 22 Aug 2017 13:56  
 Operator : SJ/JU  
 Sample : PB101638BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK38

## 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         | 3.629       | 6             | 7           | 10           | rBV3     | 3361           | 2565          | 0.14%           | 0.015%        |
| 2         | 3.764       | 28            | 30          | 34           | rVB4     | 2966           | 3293          | 0.18%           | 0.019%        |
| 3         | 3.829       | 34            | 41          | 48           | rBV3     | 10981          | 21623         | 1.21%           | 0.128%        |
| 4         | 4.076       | 77            | 83          | 87           | rBV6     | 2567           | 5415          | 0.30%           | 0.032%        |
| 5         | 4.129       | 90            | 92          | 94           | rBV      | 2646           | 2770          | 0.15%           | 0.016%        |
| 6         | 4.334       | 123           | 127         | 133          | rVB3     | 2221           | 4800          | 0.27%           | 0.028%        |
| 7         | 4.646       | 177           | 180         | 184          | rVB2     | 2448           | 3166          | 0.18%           | 0.019%        |
| 8         | 4.922       | 223           | 227         | 232          | rVB3     | 2394           | 4571          | 0.26%           | 0.027%        |
| 9         | 5.339       | 295           | 298         | 302          | rVB3     | 1387           | 2428          | 0.14%           | 0.014%        |
| 10        | 5.791       | 372           | 375         | 381          | rVB4     | 1455           | 2738          | 0.15%           | 0.016%        |
| 11        | 6.126       | 427           | 432         | 434          | rBV2     | 2115           | 3374          | 0.19%           | 0.020%        |
| 12        | 6.197       | 440           | 444         | 446          | rVB2     | 2011           | 2653          | 0.15%           | 0.016%        |
| 13        | 6.350       | 467           | 470         | 474          | rBV3     | 2011           | 3261          | 0.18%           | 0.019%        |
| 14        | 6.555       | 499           | 505         | 507          | rVB3     | 2969           | 3496          | 0.20%           | 0.021%        |
| 15        | 6.831       | 551           | 552         | 560          | rVB4     | 1995           | 4453          | 0.25%           | 0.026%        |
| 16        | 6.884       | 560           | 561         | 567          | rBV3     | 2039           | 3780          | 0.21%           | 0.022%        |
| 17        | 7.319       | 629           | 635         | 637          | rBV4     | 2343           | 3592          | 0.20%           | 0.021%        |
| 18        | 7.495       | 655           | 665         | 678          | rBV      | 200882         | 373141        | 20.82%          | 2.200%        |
| 19        | 7.654       | 686           | 692         | 704          | rBV      | 144934         | 253477        | 14.14%          | 1.495%        |
| 20        | 7.877       | 722           | 730         | 742          | rVB      | 188694         | 354296        | 19.77%          | 2.089%        |
| 21        | 8.030       | 752           | 756         | 758          | rBV4     | 1690           | 2432          | 0.14%           | 0.014%        |
| 22        | 8.053       | 758           | 760         | 765          | rVB3     | 1816           | 3054          | 0.17%           | 0.018%        |
| 23        | 8.341       | 801           | 809         | 822          | rVB2     | 124980         | 218725        | 12.21%          | 1.290%        |
| 24        | 8.476       | 830           | 832         | 836          | rBV3     | 1781           | 2647          | 0.15%           | 0.016%        |
| 25        | 8.758       | 875           | 880         | 884          | rBV3     | 1292           | 2741          | 0.15%           | 0.016%        |
| 26        | 8.829       | 884           | 892         | 894          | rVB2     | 1596           | 3263          | 0.18%           | 0.019%        |
| 27        | 8.941       | 907           | 911         | 918          | rVB5     | 1718           | 2346          | 0.13%           | 0.014%        |
| 28        | 9.035       | 918           | 927         | 938          | rBV      | 254307         | 472797        | 26.38%          | 2.788%        |
| 29        | 9.346       | 972           | 980         | 981          | rBV3     | 1150           | 2513          | 0.14%           | 0.015%        |
| 30        | 9.511       | 999           | 1008        | 1020         | rBV2     | 214770         | 394215        | 22.00%          | 2.325%        |
| 31        | 9.610       | 1020          | 1025        | 1026         | rVB3     | 2556           | 2316          | 0.13%           | 0.014%        |
| 32        | 9.728       | 1042          | 1045        | 1047         | rBV2     | 1875           | 2314          | 0.13%           | 0.014%        |
| 33        | 9.998       | 1087          | 1091        | 1093         | rBV3     | 1775           | 2615          | 0.15%           | 0.015%        |
| 34        | 10.233      | 1123          | 1131        | 1146         | rVB2     | 180933         | 346119        | 19.31%          | 2.041%        |

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

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 10.498 | 1170 | 1176 | 1178 | rBV3 | 1415   | 2407    | 0.13%  | 0.014% |
| 36 | 10.650 | 1196 | 1202 | 1208 | rVB4 | 2421   | 4456    | 0.25%  | 0.026% |
| 37 | 10.721 | 1208 | 1214 | 1215 | rBV3 | 2122   | 2805    | 0.16%  | 0.017% |
| 38 | 10.780 | 1215 | 1224 | 1236 | rBV  | 255507 | 504331  | 28.14% | 2.974% |
| 39 | 10.956 | 1251 | 1254 | 1257 | rBV4 | 1515   | 2349    | 0.13%  | 0.014% |
| 40 | 11.162 | 1280 | 1289 | 1301 | rBV  | 184339 | 346122  | 19.31% | 2.041% |
| 41 | 11.297 | 1302 | 1312 | 1328 | rBV  | 186367 | 373248  | 20.83% | 2.201% |
| 42 | 11.773 | 1390 | 1393 | 1399 | rVB3 | 1667   | 2785    | 0.16%  | 0.016% |
| 43 | 11.837 | 1399 | 1404 | 1408 | rBV3 | 1690   | 2569    | 0.14%  | 0.015% |
| 44 | 12.319 | 1478 | 1486 | 1488 | rBV3 | 1813   | 2680    | 0.15%  | 0.016% |
| 45 | 12.724 | 1551 | 1555 | 1562 | rBV5 | 4849   | 8245    | 0.46%  | 0.049% |
| 46 | 12.771 | 1562 | 1563 | 1570 | rVB3 | 2398   | 4244    | 0.24%  | 0.025% |
| 47 | 13.183 | 1628 | 1633 | 1637 | rBV3 | 2210   | 4419    | 0.25%  | 0.026% |
| 48 | 13.665 | 1712 | 1715 | 1720 | rBV4 | 2165   | 3165    | 0.18%  | 0.019% |
| 49 | 13.729 | 1724 | 1726 | 1734 | rBV3 | 2382   | 4233    | 0.24%  | 0.025% |
| 50 | 13.806 | 1737 | 1739 | 1743 | rBV2 | 2422   | 2669    | 0.15%  | 0.016% |
| 51 | 14.246 | 1808 | 1814 | 1816 | rVB4 | 2313   | 4036    | 0.23%  | 0.024% |
| 52 | 14.287 | 1816 | 1821 | 1823 | rBV3 | 2047   | 2324    | 0.13%  | 0.014% |
| 53 | 14.340 | 1823 | 1830 | 1838 | rBV  | 639236 | 932728  | 52.05% | 5.500% |
| 54 | 14.417 | 1842 | 1843 | 1849 | rBV2 | 1916   | 2769    | 0.15%  | 0.016% |
| 55 | 14.481 | 1849 | 1854 | 1859 | rVV3 | 1542   | 3163    | 0.18%  | 0.019% |
| 56 | 14.646 | 1871 | 1882 | 1897 | rBV  | 633466 | 1022450 | 57.05% | 6.029% |
| 57 | 14.951 | 1924 | 1934 | 1946 | rBV2 | 339775 | 578247  | 32.27% | 3.410% |
| 58 | 15.145 | 1957 | 1967 | 1983 | rBV  | 195954 | 425293  | 23.73% | 2.508% |
| 59 | 15.650 | 2051 | 2053 | 2057 | rBV3 | 1870   | 2805    | 0.16%  | 0.017% |
| 60 | 15.715 | 2057 | 2064 | 2065 | rVV2 | 2296   | 3926    | 0.22%  | 0.023% |
| 61 | 15.739 | 2065 | 2068 | 2071 | rVB2 | 2723   | 3131    | 0.17%  | 0.018% |
| 62 | 15.938 | 2094 | 2102 | 2112 | rVB  | 866850 | 1371440 | 76.53% | 8.088% |
| 63 | 16.056 | 2114 | 2122 | 2136 | rBV  | 314021 | 498505  | 27.82% | 2.940% |
| 64 | 16.179 | 2139 | 2143 | 2148 | rVB4 | 10749  | 16007   | 0.89%  | 0.094% |
| 65 | 16.220 | 2148 | 2150 | 2156 | rVB3 | 2140   | 3264    | 0.18%  | 0.019% |
| 66 | 16.614 | 2212 | 2217 | 2219 | rBV2 | 2311   | 3090    | 0.17%  | 0.018% |
| 67 | 16.902 | 2264 | 2266 | 2270 | rVB2 | 2892   | 2748    | 0.15%  | 0.016% |
| 68 | 17.313 | 2335 | 2336 | 2342 | rBV5 | 2219   | 3522    | 0.20%  | 0.021% |
| 69 | 17.390 | 2345 | 2349 | 2352 | rBV  | 1656   | 2570    | 0.14%  | 0.015% |
| 70 | 17.489 | 2361 | 2366 | 2369 | rVB3 | 2750   | 4151    | 0.23%  | 0.024% |
| 71 | 17.701 | 2395 | 2402 | 2410 | rBV  | 498812 | 767699  | 42.84% | 4.527% |

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|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 72  | 17.801 | 2410 | 2419 | 2430 | rVB  | 1041414 | 1585792 | 88.49%  | 9.352%  |
| 73  | 17.948 | 2436 | 2444 | 2447 | rBV5 | 2950    | 7203    | 0.40%   | 0.042%  |
| 74  | 18.012 | 2452 | 2455 | 2457 | rVB3 | 2143    | 2402    | 0.13%   | 0.014%  |
| 75  | 18.089 | 2463 | 2468 | 2472 | rBV4 | 2894    | 5416    | 0.30%   | 0.032%  |
| 76  | 18.283 | 2497 | 2501 | 2503 | rBV2 | 2413    | 2698    | 0.15%   | 0.016%  |
| 77  | 18.353 | 2510 | 2513 | 2515 | rBV4 | 3106    | 3895    | 0.22%   | 0.023%  |
| 78  | 18.482 | 2534 | 2535 | 2539 | rVB3 | 2516    | 2605    | 0.15%   | 0.015%  |
| 79  | 18.612 | 2555 | 2557 | 2562 | rBV4 | 2898    | 5000    | 0.28%   | 0.029%  |
| 80  | 18.712 | 2572 | 2574 | 2576 | rBV2 | 2698    | 2770    | 0.15%   | 0.016%  |
| 81  | 18.829 | 2590 | 2594 | 2597 | rBV3 | 2043    | 3394    | 0.19%   | 0.020%  |
| 82  | 19.017 | 2623 | 2626 | 2627 | rBV2 | 2686    | 2941    | 0.16%   | 0.017%  |
| 83  | 19.340 | 2678 | 2681 | 2684 | rBV3 | 2019    | 3593    | 0.20%   | 0.021%  |
| 84  | 19.446 | 2698 | 2699 | 2702 | rBV3 | 3288    | 3028    | 0.17%   | 0.018%  |
| 85  | 19.605 | 2725 | 2726 | 2730 | rBV3 | 3263    | 3421    | 0.19%   | 0.020%  |
| 86  | 19.704 | 2738 | 2743 | 2751 | rBV2 | 10098   | 20886   | 1.17%   | 0.123%  |
| 87  | 19.892 | 2772 | 2775 | 2776 | rBV3 | 4323    | 3168    | 0.18%   | 0.019%  |
| 88  | 19.963 | 2781 | 2787 | 2795 | rVB4 | 11939   | 22978   | 1.28%   | 0.136%  |
| 89  | 20.075 | 2795 | 2806 | 2814 | rBV  | 1203572 | 1792060 | 100.00% | 10.568% |
| 90  | 20.703 | 2911 | 2913 | 2914 | rBV2 | 5742    | 2856    | 0.16%   | 0.017%  |
| 91  | 21.026 | 2966 | 2968 | 2972 | rBV4 | 4269    | 4042    | 0.23%   | 0.024%  |
| 92  | 21.291 | 3003 | 3013 | 3016 | rBV4 | 13633   | 37386   | 2.09%   | 0.220%  |
| 93  | 22.025 | 3131 | 3138 | 3148 | rBV  | 466990  | 884696  | 49.37%  | 5.217%  |
| 94  | 23.571 | 3397 | 3401 | 3408 | rVB6 | 20263   | 32818   | 1.83%   | 0.194%  |
| 95  | 24.440 | 3544 | 3549 | 3560 | rVB5 | 23904   | 55118   | 3.08%   | 0.325%  |
| 96  | 25.292 | 3681 | 3694 | 3707 | rBV2 | 575095  | 1731951 | 96.65%  | 10.214% |
| 97  | 25.527 | 3717 | 3734 | 3747 | rVB  | 279748  | 933039  | 52.07%  | 5.502%  |
| 98  | 26.696 | 3924 | 3933 | 3944 | rVB5 | 39450   | 128786  | 7.19%   | 0.759%  |
| 99  | 28.165 | 4173 | 4183 | 4194 | rBV7 | 38872   | 128457  | 7.17%   | 0.758%  |
| 100 | 29.940 | 4478 | 4485 | 4498 | rVB8 | 26710   | 103479  | 5.77%   | 0.610%  |

Sum of corrected areas: 16957462



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

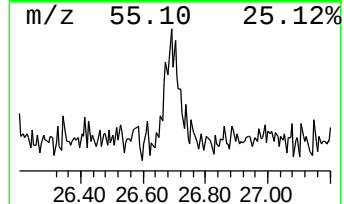
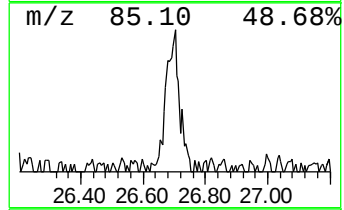
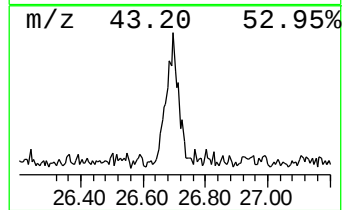
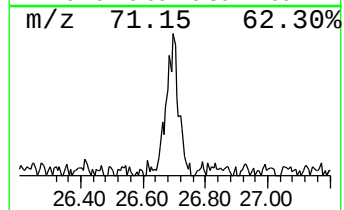
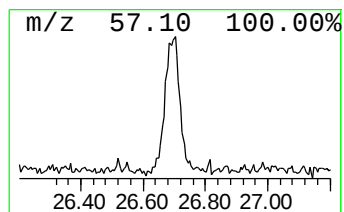
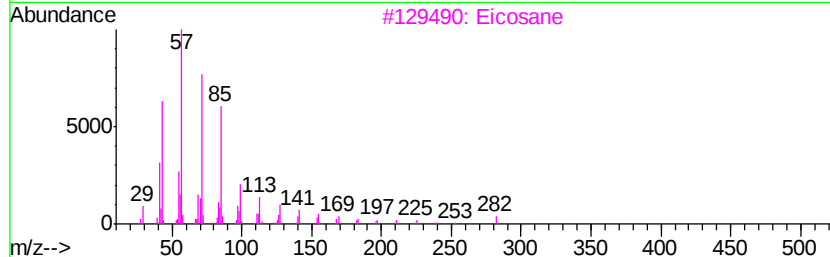
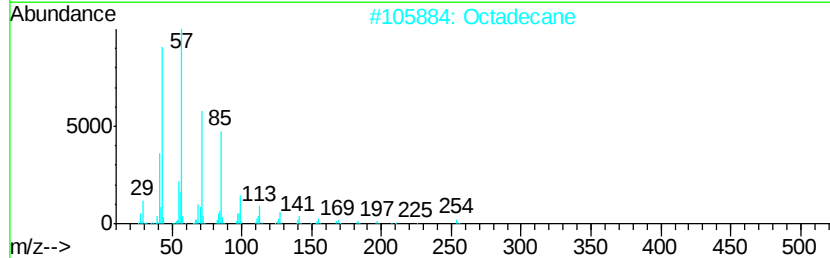
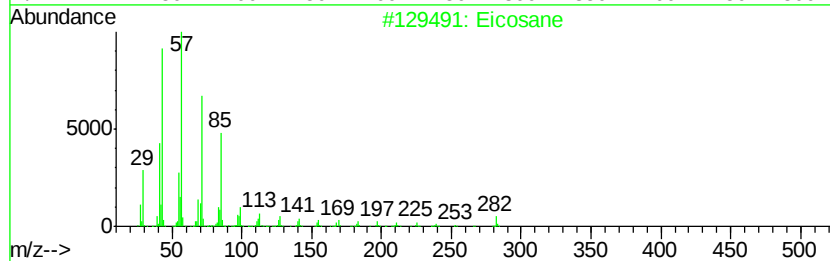
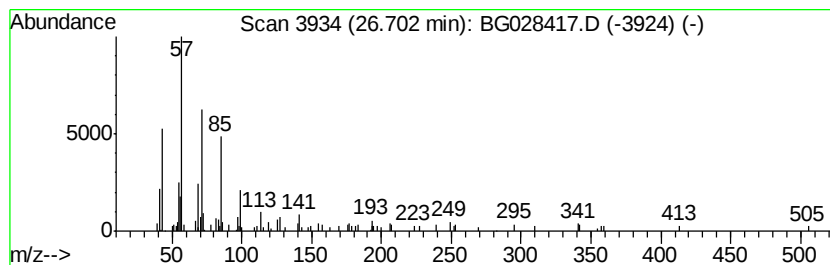
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 26.70 | 2.76 ng/ul | 128786 | Perylene-d12     | 25.53 |

| Hit# | of         | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------------|---|--------------|-----|---------|-------------|------|
| 1    | Eicosane   |   |              | 282 | C20H42  | 000112-95-8 | 93   |
| 2    | Octadecane |   |              | 254 | C18H38  | 000593-45-3 | 86   |
| 3    | Eicosane   |   |              | 282 | C20H42  | 000112-95-8 | 76   |
| 4    | Octadecane |   |              | 254 | C18H38  | 000593-45-3 | 70   |
| 5    | Octadecane |   |              | 254 | C18H38  | 000593-45-3 | 70   |



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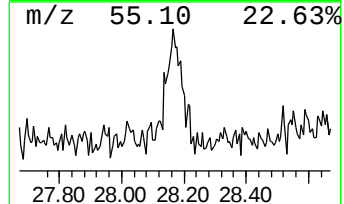
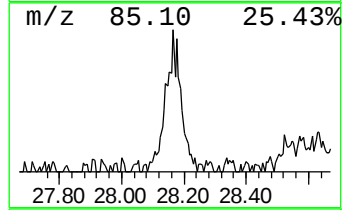
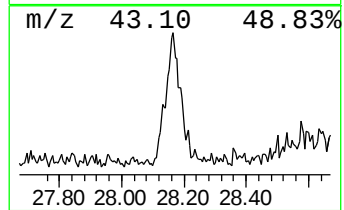
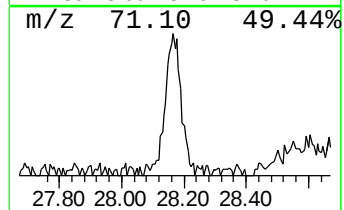
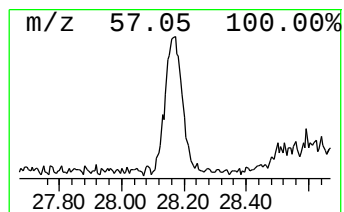
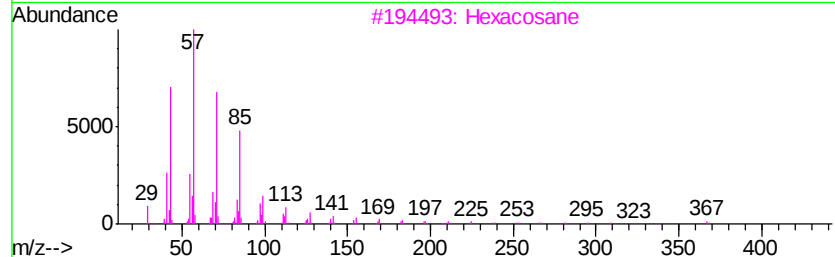
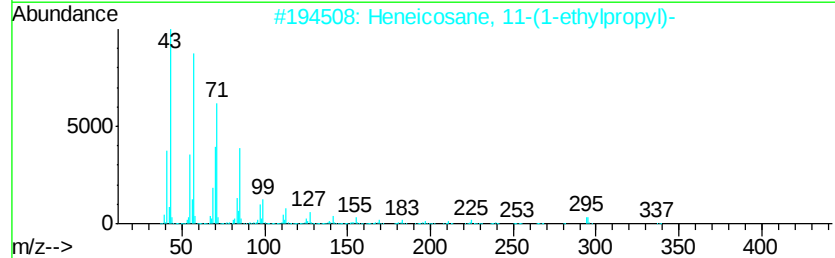
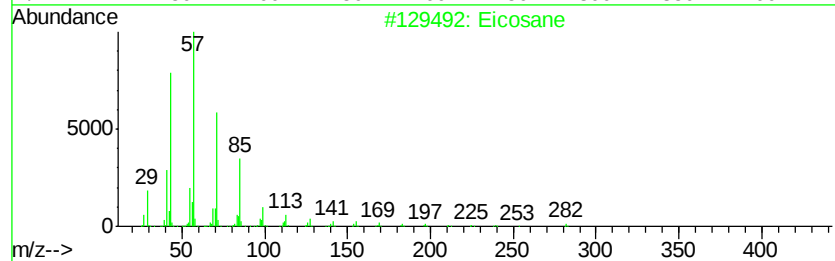
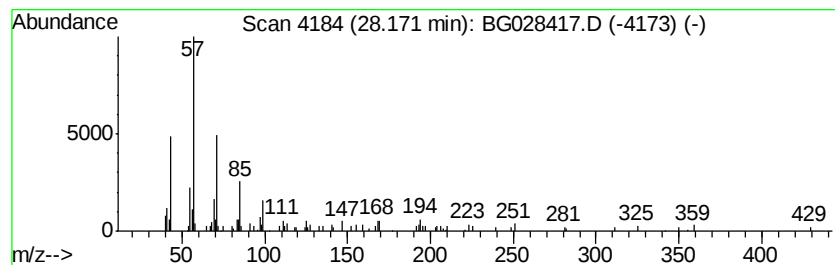
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Quant Title : SVOA CALIBRATION

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.      |
|---------|----------------------------------|--------------|------------------|-----------|
| 28.17   | 2.75 ng/ul                       | 128457       | Perylene-d12     | 25.53     |
| Hit# of | 5                                | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane                         | 282 C20H42   | 000112-95-8      | 91        |
| 2       | Heneicosane, 11-(1-ethylpropyl)- | 366 C26H54   | 055282-11-6      | 86        |
| 3       | Hexacosane                       | 366 C26H54   | 000630-01-3      | 83        |
| 4       | Octadecane, 1-iodo-              | 380 C18H37I  | 000629-93-6      | 80        |
| 5       | Eicosane                         | 282 C20H42   | 000112-95-8      | 80        |



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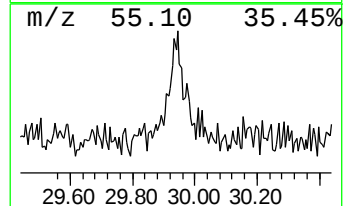
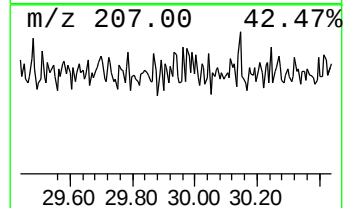
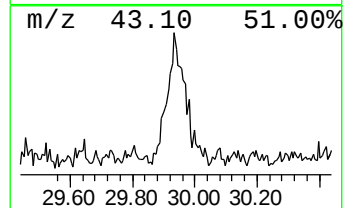
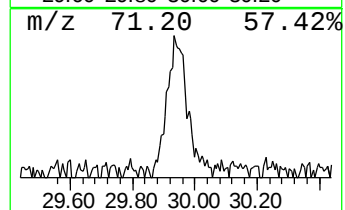
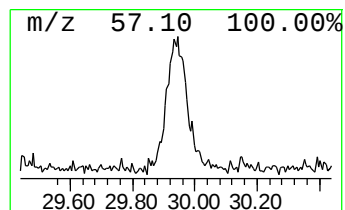
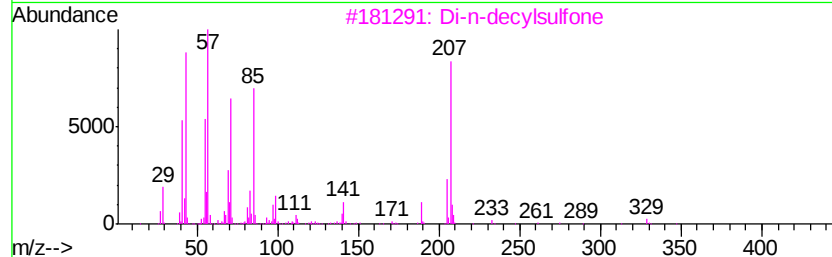
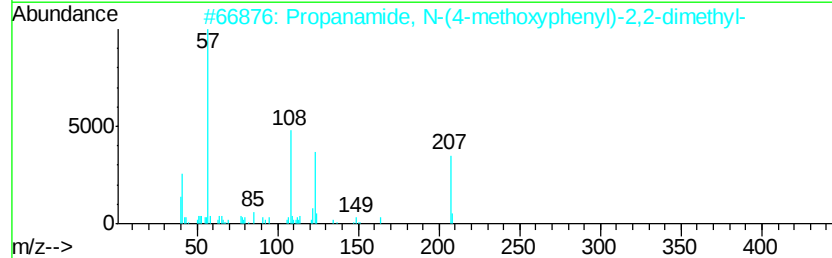
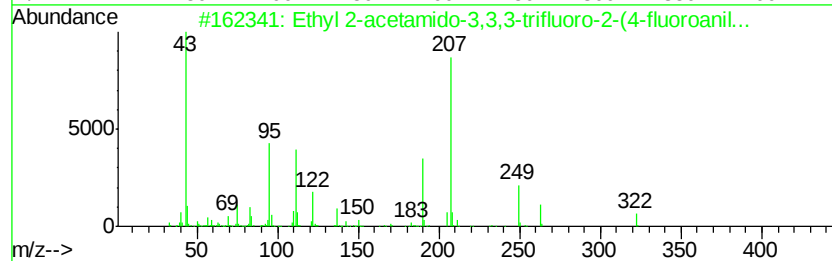
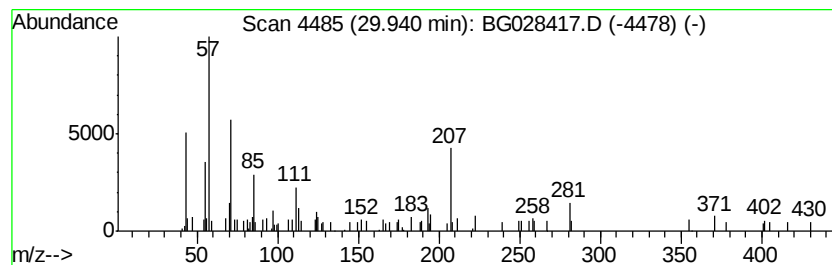
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 29.94 | 2.22 ng/ul | 103479 | Perylene-d12     | 25.53 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Ethyl 2-acetamido-3,3,3-trifluor... | 322 | C13H14F4N2O3 | 328270-12-8  | 25   |
| 2    |    | Propanamide, N-(4-methoxyphenyl)... | 207 | C12H17N02    | 056619-94-4  | 22   |
| 3    |    | Di-n-decylsulfone                   | 346 | C20H42O2S    | 111530-37-1  | 12   |
| 4    |    | 2-Methyl-pentanoic acid [4-(2-me... | 368 | C18H28N2O4S  | 1000296-31-0 | 10   |
| 5    |    | Acetamide, N-(4-bromo-2-chloroph... | 247 | C8H7BrClNO   | 003460-23-9  | 10   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
Data File : BG028417.D  
Acq On : 22 Aug 2017 13:56  
Operator : SJ/JU  
Sample : PB101638BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SBLK38

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 26.70 | 2.8     | ng/ul | 128786   | 6                     | 25.53 | 933039 | 20.0 |
| (DEL) Alkane: Str... | 28.17 | 2.8     | ng/ul | 128457   | 6                     | 25.53 | 933039 | 20.0 |
| unknown-01           | 29.94 | 2.2     | ng/ul | 103479   | 6                     | 25.53 | 933039 | 20.0 |