

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
 Data File : BM018111.D  
 Acq On : 13 Dec 2018 02:19  
 Operator : JU/SJ  
 Sample : J6227-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9E69

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 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: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.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         | 3.081       | 14            | 16          | 18           | rVB3     | 3294           | 2743          | 0.11%           | 0.010%        |
| 2         | 3.105       | 18            | 20          | 22           | rVV4     | 2693           | 3106          | 0.12%           | 0.011%        |
| 3         | 3.152       | 24            | 28          | 33           | rVB4     | 12548          | 17564         | 0.70%           | 0.064%        |
| 4         | 3.428       | 72            | 75          | 77           | rBV2     | 3288           | 4150          | 0.17%           | 0.015%        |
| 5         | 3.640       | 108           | 111         | 118          | rVB4     | 5057           | 9220          | 0.37%           | 0.034%        |
| 6         | 3.746       | 124           | 129         | 137          | rVB2     | 15667          | 22840         | 0.91%           | 0.084%        |
| 7         | 3.940       | 157           | 162         | 168          | rBV3     | 17055          | 24702         | 0.99%           | 0.090%        |
| 8         | 4.710       | 288           | 293         | 296          | rBV      | 28859          | 41191         | 1.65%           | 0.151%        |
| 9         | 5.581       | 439           | 441         | 444          | rVB2     | 2654           | 2899          | 0.12%           | 0.011%        |
| 10        | 5.781       | 473           | 475         | 479          | rBV2     | 2337           | 3117          | 0.12%           | 0.011%        |
| 11        | 5.810       | 479           | 480         | 485          | rVB4     | 1977           | 2833          | 0.11%           | 0.010%        |
| 12        | 5.969       | 501           | 507         | 514          | rVB2     | 14792          | 24917         | 1.00%           | 0.091%        |
| 13        | 6.151       | 534           | 538         | 539          | rBV2     | 2361           | 2879          | 0.12%           | 0.011%        |
| 14        | 6.740       | 632           | 638         | 654          | rBV2     | 210999         | 513933        | 20.56%          | 1.880%        |
| 15        | 6.893       | 659           | 664         | 677          | rVV      | 199135         | 336852        | 13.48%          | 1.232%        |
| 16        | 7.004       | 681           | 683         | 687          | rVB4     | 2104           | 2973          | 0.12%           | 0.011%        |
| 17        | 7.081       | 690           | 696         | 707          | rBV      | 259806         | 445049        | 17.81%          | 1.628%        |
| 18        | 7.198       | 713           | 716         | 723          | rBV5     | 5722           | 12943         | 0.52%           | 0.047%        |
| 19        | 7.369       | 742           | 745         | 748          | rVB3     | 2385           | 3213          | 0.13%           | 0.012%        |
| 20        | 7.487       | 762           | 765         | 767          | rBV3     | 2149           | 2749          | 0.11%           | 0.010%        |
| 21        | 7.540       | 767           | 774         | 783          | rVV      | 387581         | 657647        | 26.31%          | 2.406%        |
| 22        | 7.616       | 783           | 787         | 790          | rVV3     | 6613           | 9939          | 0.40%           | 0.036%        |
| 23        | 8.263       | 890           | 897         | 911          | rBV      | 225318         | 444137        | 17.77%          | 1.625%        |
| 24        | 8.375       | 911           | 916         | 923          | rVB5     | 3603           | 8680          | 0.35%           | 0.032%        |
| 25        | 8.698       | 964           | 971         | 985          | rBV2     | 237244         | 439654        | 17.59%          | 1.608%        |
| 26        | 8.787       | 985           | 986         | 990          | rVV2     | 2190           | 2764          | 0.11%           | 0.010%        |
| 27        | 9.081       | 1031          | 1036        | 1041         | rVB2     | 9274           | 14663         | 0.59%           | 0.054%        |
| 28        | 9.410       | 1084          | 1092        | 1107         | rBV      | 216815         | 392137        | 15.69%          | 1.435%        |
| 29        | 9.951       | 1178          | 1184        | 1198         | rBV      | 244957         | 521026        | 20.85%          | 1.906%        |
| 30        | 10.310      | 1238          | 1245        | 1262         | rVB      | 584146         | 1007709       | 40.32%          | 3.686%        |
| 31        | 10.475      | 1264          | 1273        | 1295         | rBV      | 160772         | 455279        | 18.22%          | 1.666%        |
| 32        | 10.610      | 1295          | 1296        | 1302         | rVB3     | 3083           | 3201          | 0.13%           | 0.012%        |
| 33        | 11.933      | 1518          | 1521        | 1526         | rBV3     | 3739           | 6853          | 0.27%           | 0.025%        |
| 34        | 12.016      | 1530          | 1535        | 1539         | rVB      | 2760           | 4974          | 0.20%           | 0.018%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
 Data File : BM018111.D  
 Acq On : 13 Dec 2018 02:19  
 Operator : JU/SJ  
 Sample : J6227-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9E69

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 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: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.151 | 1726 | 1728 | 1733 | rVB3 | 7078    | 8792    | 0.35%  | 0.032% |
| 36 | 13.416 | 1770 | 1773 | 1778 | rBV3 | 6959    | 10060   | 0.40%  | 0.037% |
| 37 | 13.492 | 1781 | 1786 | 1794 | rVB2 | 48961   | 69493   | 2.78%  | 0.254% |
| 38 | 13.616 | 1800 | 1807 | 1811 | rBV  | 678225  | 1020667 | 40.84% | 3.734% |
| 39 | 13.663 | 1811 | 1815 | 1826 | rVV  | 249373  | 397653  | 15.91% | 1.455% |
| 40 | 13.880 | 1846 | 1852 | 1863 | rBV  | 731963  | 1118657 | 44.76% | 4.092% |
| 41 | 14.027 | 1873 | 1877 | 1882 | rVB2 | 19672   | 23057   | 0.92%  | 0.084% |
| 42 | 14.192 | 1897 | 1905 | 1915 | rBV2 | 950060  | 1442385 | 57.71% | 5.277% |
| 43 | 14.457 | 1944 | 1950 | 1965 | rBV2 | 95902   | 304953  | 12.20% | 1.116% |
| 44 | 14.598 | 1972 | 1974 | 1975 | rVB  | 4626    | 2860    | 0.11%  | 0.010% |
| 45 | 14.669 | 1983 | 1986 | 1990 | rVB5 | 9624    | 13477   | 0.54%  | 0.049% |
| 46 | 14.933 | 2029 | 2031 | 2036 | rBV2 | 2356    | 3116    | 0.12%  | 0.011% |
| 47 | 15.004 | 2036 | 2043 | 2046 | rBV4 | 4361    | 5278    | 0.21%  | 0.019% |
| 48 | 15.198 | 2069 | 2076 | 2089 | rBV  | 939563  | 1488662 | 59.57% | 5.446% |
| 49 | 15.345 | 2095 | 2101 | 2112 | rBV  | 266515  | 434169  | 17.37% | 1.588% |
| 50 | 15.439 | 2113 | 2117 | 2122 | rVB3 | 12385   | 18196   | 0.73%  | 0.067% |
| 51 | 15.610 | 2145 | 2146 | 2152 | rVB3 | 3468    | 4741    | 0.19%  | 0.017% |
| 52 | 15.927 | 2195 | 2200 | 2202 | rVB4 | 3563    | 4686    | 0.19%  | 0.017% |
| 53 | 16.392 | 2274 | 2279 | 2280 | rBV3 | 3577    | 5035    | 0.20%  | 0.018% |
| 54 | 16.515 | 2295 | 2300 | 2302 | rBV2 | 3441    | 5412    | 0.22%  | 0.020% |
| 55 | 16.739 | 2336 | 2338 | 2343 | rVB2 | 4395    | 4736    | 0.19%  | 0.017% |
| 56 | 16.868 | 2358 | 2360 | 2361 | rBV2 | 3939    | 3138    | 0.13%  | 0.011% |
| 57 | 16.951 | 2368 | 2374 | 2380 | rBV2 | 1264957 | 1803945 | 72.18% | 6.599% |
| 58 | 17.051 | 2385 | 2391 | 2405 | rVV2 | 1103382 | 1614052 | 64.58% | 5.905% |
| 59 | 17.145 | 2405 | 2407 | 2412 | rVB5 | 4057    | 5736    | 0.23%  | 0.021% |
| 60 | 17.362 | 2440 | 2444 | 2449 | rVB6 | 6743    | 10152   | 0.41%  | 0.037% |
| 61 | 17.551 | 2470 | 2476 | 2478 | rBV4 | 4055    | 7390    | 0.30%  | 0.027% |
| 62 | 17.633 | 2488 | 2490 | 2494 | rVB2 | 4653    | 3931    | 0.16%  | 0.014% |
| 63 | 17.739 | 2504 | 2508 | 2509 | rBV2 | 7660    | 9484    | 0.38%  | 0.035% |
| 64 | 17.810 | 2516 | 2520 | 2522 | rBV4 | 6283    | 9730    | 0.39%  | 0.036% |
| 65 | 17.862 | 2522 | 2529 | 2540 | rBV2 | 318600  | 500910  | 20.04% | 1.832% |
| 66 | 17.974 | 2547 | 2548 | 2552 | rVB2 | 5888    | 5627    | 0.23%  | 0.021% |
| 67 | 18.015 | 2552 | 2555 | 2556 | rVV3 | 5741    | 6467    | 0.26%  | 0.024% |
| 68 | 18.033 | 2556 | 2558 | 2559 | rVV2 | 6781    | 4891    | 0.20%  | 0.018% |
| 69 | 18.068 | 2561 | 2564 | 2569 | rVB5 | 8070    | 11176   | 0.45%  | 0.041% |
| 70 | 18.298 | 2601 | 2603 | 2605 | rVB2 | 5569    | 4286    | 0.17%  | 0.016% |
| 71 | 18.333 | 2605 | 2609 | 2611 | rBV5 | 5298    | 9005    | 0.36%  | 0.033% |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
 Data File : BM018111.D  
 Acq On : 13 Dec 2018 02:19  
 Operator : JU/SJ  
 Sample : J6227-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9E69

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 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: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.368 | 2613 | 2615 | 2617 | rVV3 | 5048    | 4283    | 0.17%   | 0.016% |
| 73  | 18.409 | 2620 | 2622 | 2624 | rVV3 | 5166    | 5257    | 0.21%   | 0.019% |
| 74  | 18.451 | 2627 | 2629 | 2632 | rBV3 | 3569    | 5293    | 0.21%   | 0.019% |
| 75  | 18.509 | 2636 | 2639 | 2640 | rBV3 | 3139    | 2874    | 0.11%   | 0.011% |
| 76  | 18.633 | 2658 | 2660 | 2665 | rVB6 | 4784    | 6603    | 0.26%   | 0.024% |
| 77  | 18.674 | 2665 | 2667 | 2671 | rVB5 | 7013    | 9552    | 0.38%   | 0.035% |
| 78  | 18.721 | 2671 | 2675 | 2676 | rBV3 | 3934    | 6163    | 0.25%   | 0.023% |
| 79  | 18.762 | 2679 | 2682 | 2685 | rVB5 | 6762    | 7042    | 0.28%   | 0.026% |
| 80  | 18.792 | 2685 | 2687 | 2690 | rBV4 | 5709    | 5439    | 0.22%   | 0.020% |
| 81  | 18.998 | 2718 | 2722 | 2725 | rBV4 | 18623   | 31668   | 1.27%   | 0.116% |
| 82  | 19.033 | 2725 | 2728 | 2738 | rVB8 | 28148   | 50628   | 2.03%   | 0.185% |
| 83  | 19.156 | 2744 | 2749 | 2760 | rBV2 | 160009  | 267343  | 10.70%  | 0.978% |
| 84  | 19.245 | 2762 | 2764 | 2770 | rVV3 | 15539   | 20172   | 0.81%   | 0.074% |
| 85  | 19.304 | 2770 | 2774 | 2777 | rVV  | 85663   | 95994   | 3.84%   | 0.351% |
| 86  | 19.356 | 2777 | 2783 | 2793 | rVV2 | 1393709 | 1971737 | 78.89%  | 7.213% |
| 87  | 19.604 | 2823 | 2825 | 2827 | rBV3 | 10542   | 7361    | 0.29%   | 0.027% |
| 88  | 19.898 | 2871 | 2875 | 2877 | rBV6 | 11543   | 12172   | 0.49%   | 0.045% |
| 89  | 20.062 | 2898 | 2903 | 2904 | rBV5 | 12674   | 16740   | 0.67%   | 0.061% |
| 90  | 20.245 | 2931 | 2934 | 2939 | rVB3 | 67503   | 82217   | 3.29%   | 0.301% |
| 91  | 20.292 | 2939 | 2942 | 2944 | rBV3 | 23418   | 35404   | 1.42%   | 0.130% |
| 92  | 20.362 | 2950 | 2954 | 2957 | rVB2 | 67534   | 71482   | 2.86%   | 0.261% |
| 93  | 20.886 | 3039 | 3043 | 3051 | rBV  | 265030  | 402632  | 16.11%  | 1.473% |
| 94  | 21.162 | 3085 | 3090 | 3096 | rBV  | 1840110 | 2499211 | 100.00% | 9.143% |
| 95  | 22.197 | 3263 | 3266 | 3270 | rBV2 | 102318  | 121347  | 4.86%   | 0.444% |
| 96  | 22.686 | 3345 | 3349 | 3354 | rVB  | 180556  | 253662  | 10.15%  | 0.928% |
| 97  | 23.197 | 3430 | 3436 | 3448 | rVB  | 1072282 | 2139138 | 85.59%  | 7.826% |
| 98  | 23.339 | 3453 | 3460 | 3469 | rVB  | 1214134 | 2242183 | 89.72%  | 8.202% |
| 99  | 23.833 | 3540 | 3544 | 3553 | rVB2 | 158220  | 287830  | 11.52%  | 1.053% |
| 100 | 25.650 | 3847 | 3853 | 3866 | rVB6 | 313640  | 829432  | 33.19%  | 3.034% |

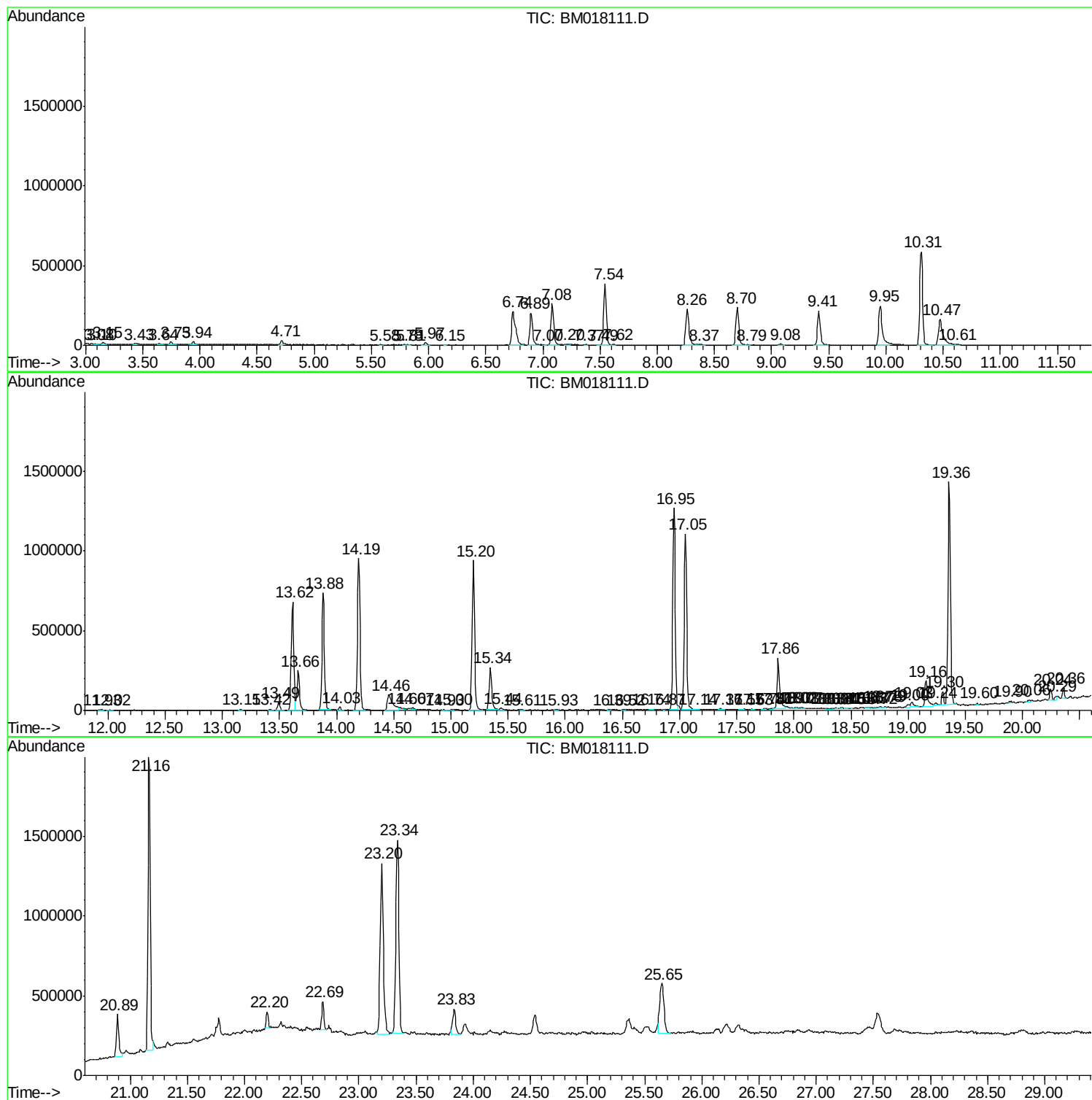
Sum of corrected areas: 27335400

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

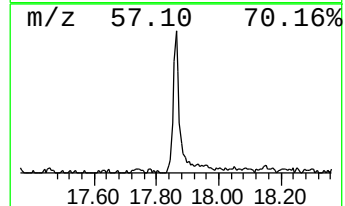
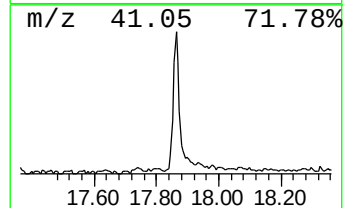
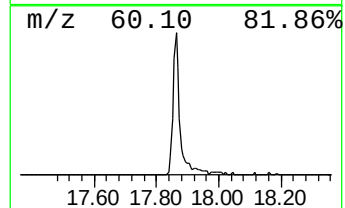
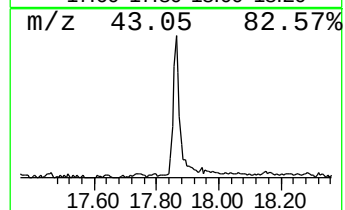
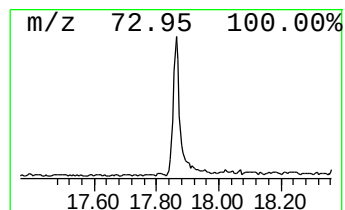
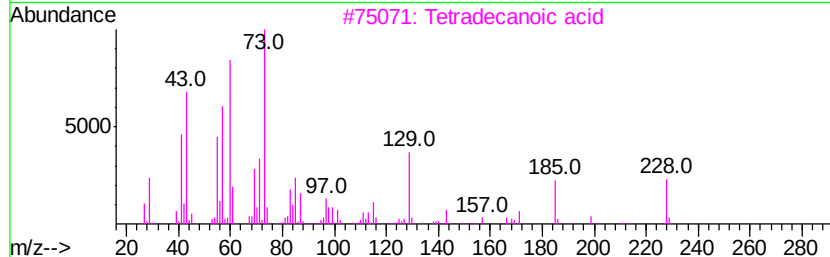
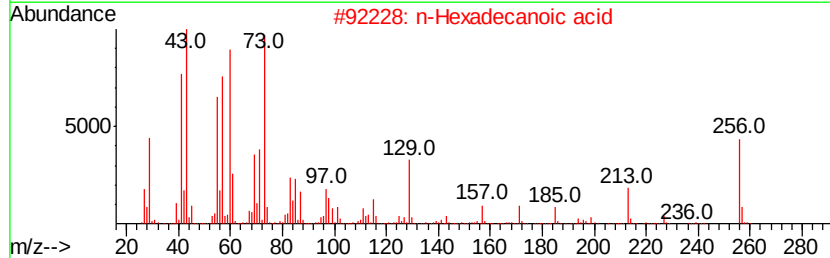
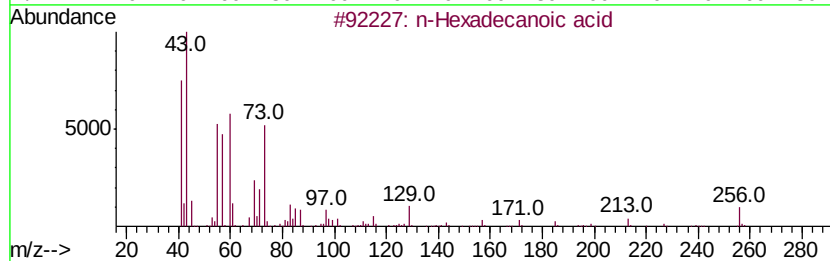
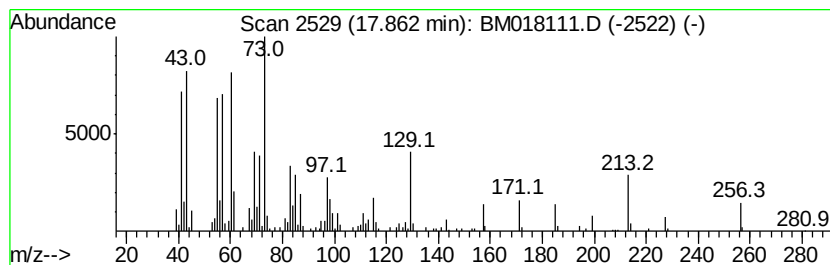
Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.86   | 5.55 ng/ul | 500910              | Phenanthrene-d10 | 16.95    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 97   |
| 2       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 95   |
| 3       |            | Tetradecanoic acid  | 228              | C14H28O2 | 000544-63-8 | 93   |
| 4       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 76   |
| 5       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

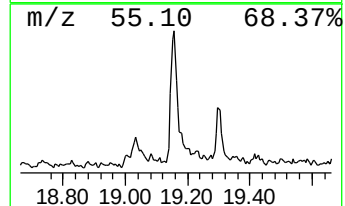
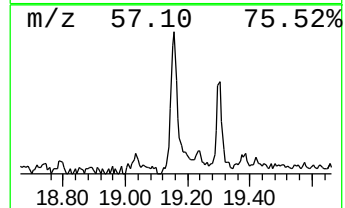
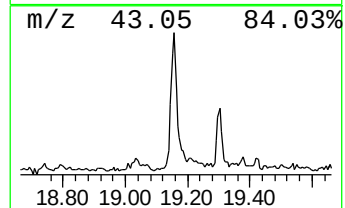
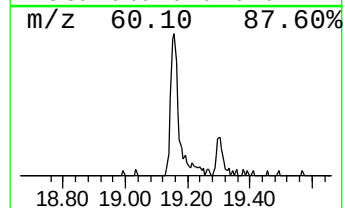
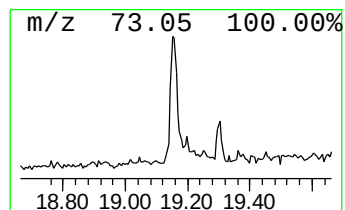
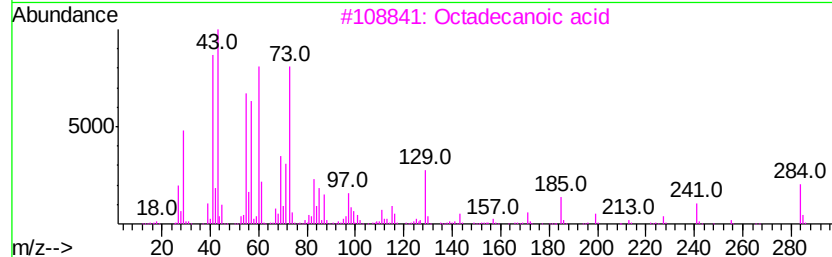
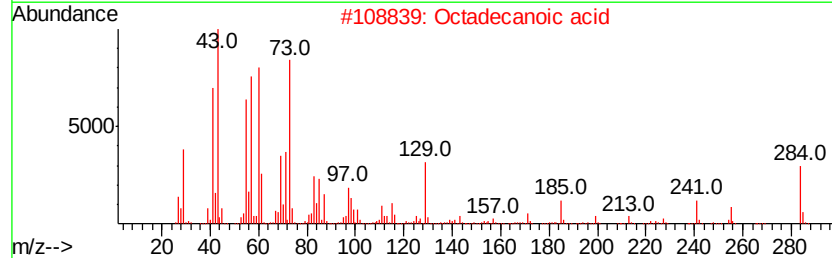
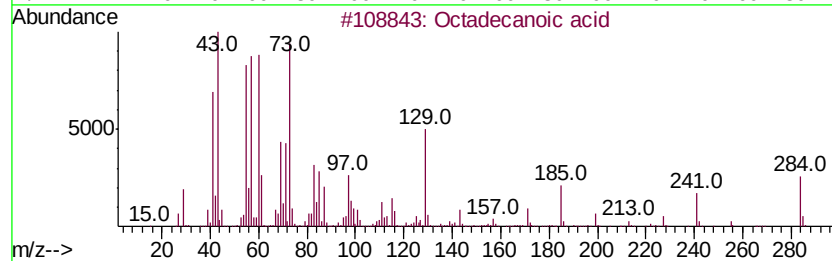
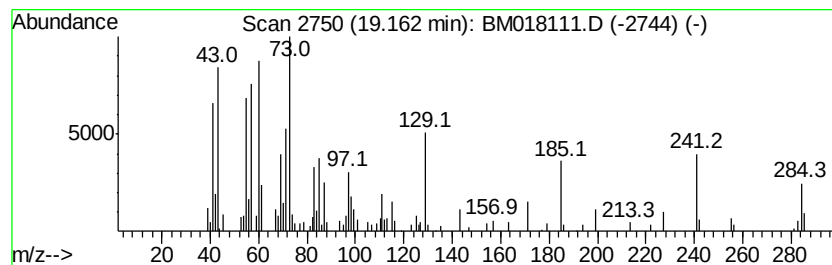
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.16 | 2.14 ng/ul | 267343 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 97   |
| 2    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 96   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 4    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 76   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

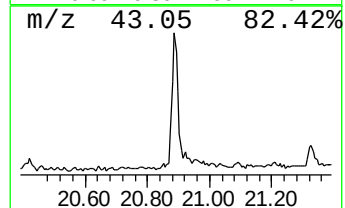
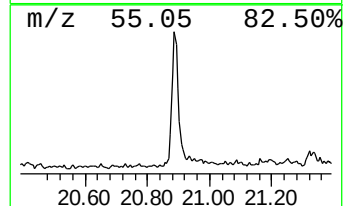
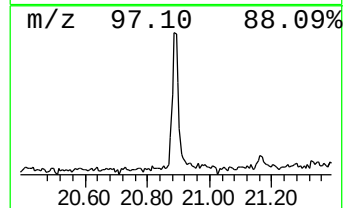
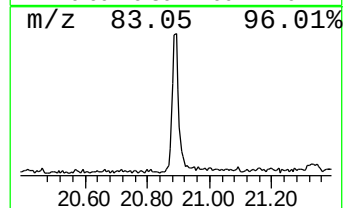
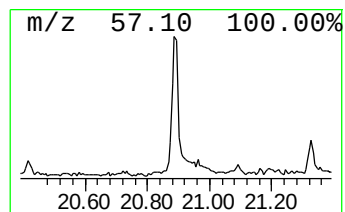
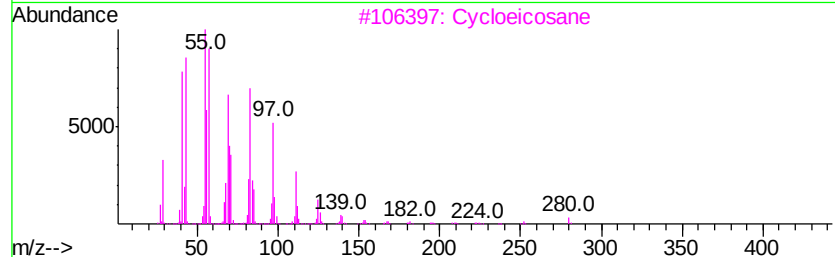
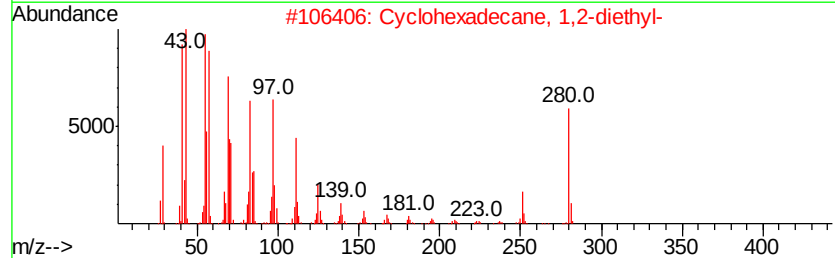
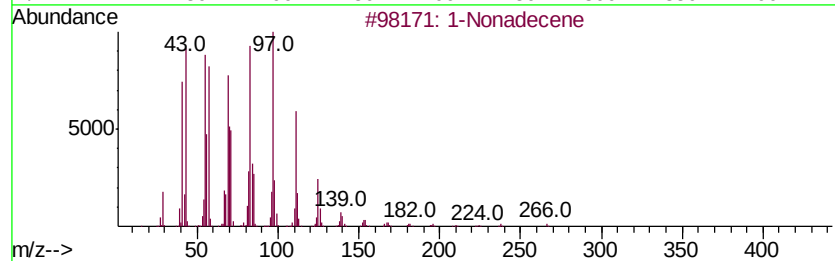
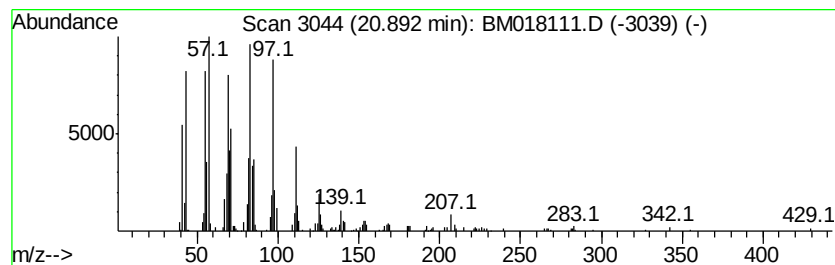
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic20.89 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.89 | 3.22 ng/ul | 402632 | Chrysene-d12     | 21.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5  | 99   |
| 2    |    | Cyclohexadecane, 1,2-diethyl-       | 280 | C20H40     | 1000155-85-3 | 98   |
| 3    |    | Cycloeicosane                       | 280 | C20H40     | 000296-56-0  | 95   |
| 4    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 94   |
| 5    |    | 1-Octadecene                        | 252 | C18H36     | 000112-88-9  | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

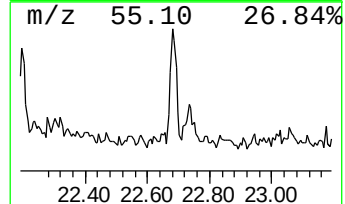
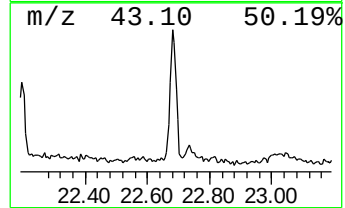
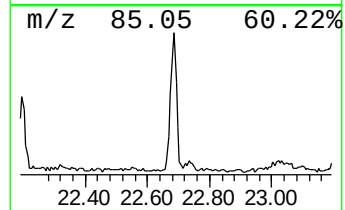
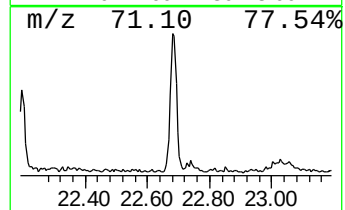
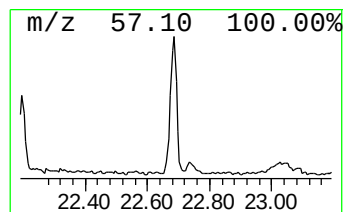
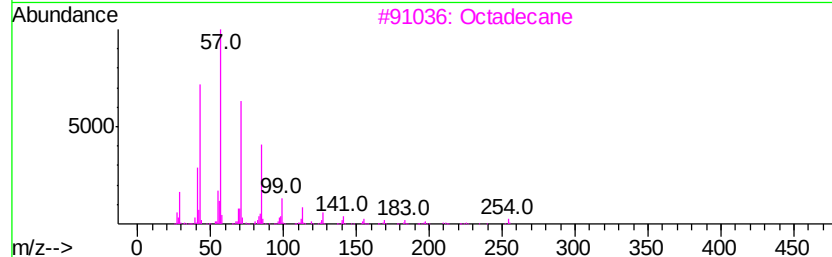
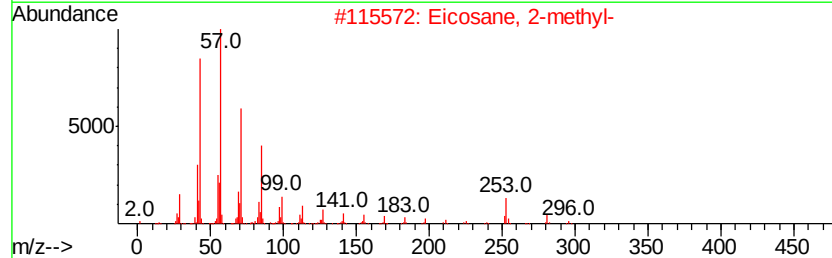
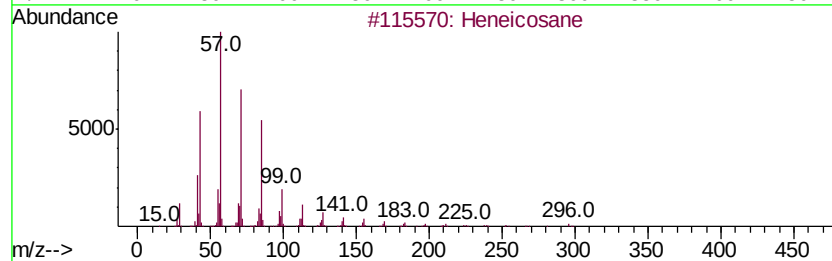
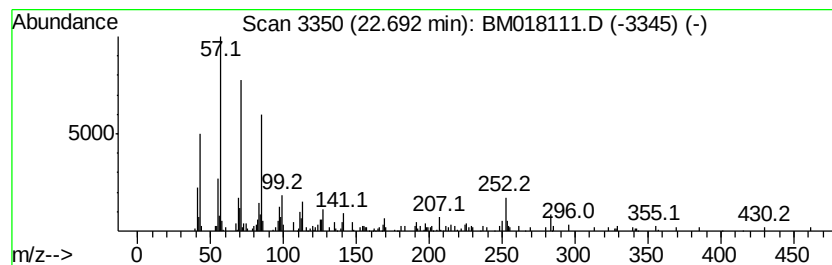
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.69 | 2.26 ng/ul | 253662 | Perylene-d12     | 23.34 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane         | 296 | C21H44  | 000629-94-7 | 99   |
| 2    |    | Eicosane, 2-methyl- | 296 | C21H44  | 001560-84-5 | 93   |
| 3    |    | Octadecane          | 254 | C18H38  | 000593-45-3 | 93   |
| 4    |    | Octadecane          | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    | Triacontane         | 422 | C30H62  | 000638-68-6 | 87   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

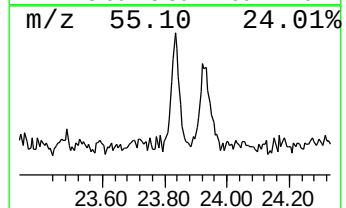
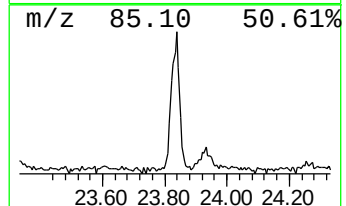
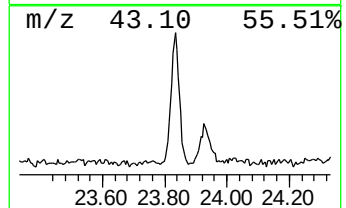
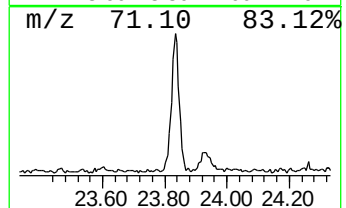
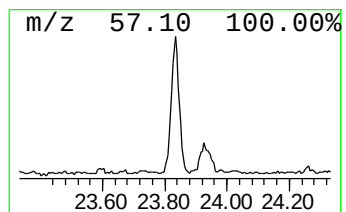
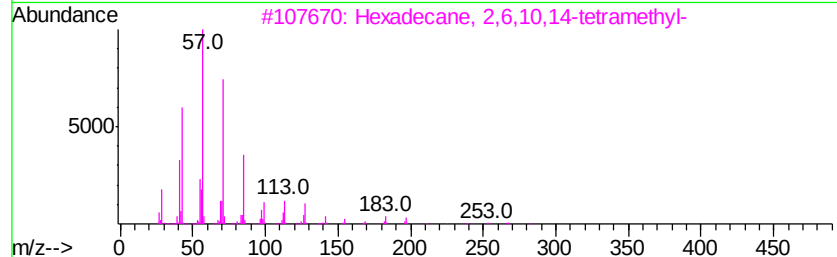
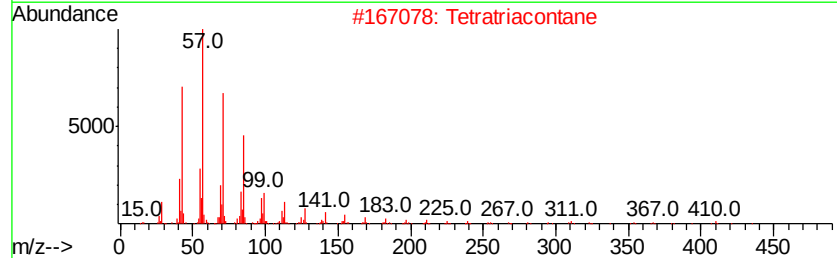
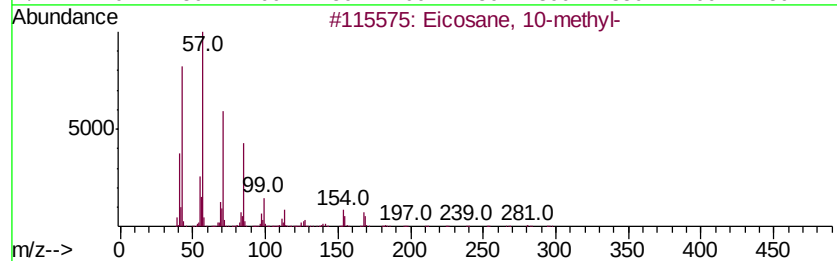
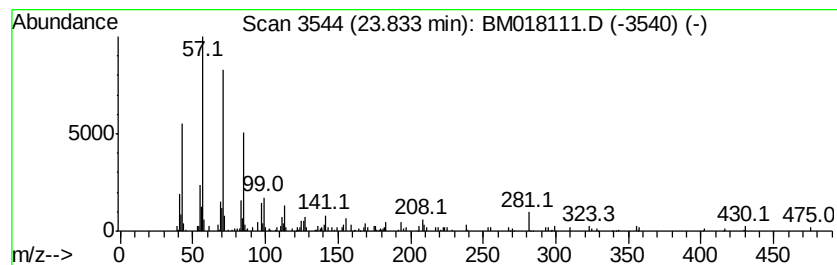
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.83 | 2.57 ng/ul | 287830 | Perylene-d12     | 23.34 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 10-methyl-                | 296 | C21H44  | 054833-23-7 | 91   |
| 2    |    | Tetratriacontane                    | 479 | C34H70  | 014167-59-0 | 87   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 87   |
| 4    |    | Nonacosane                          | 408 | C29H60  | 000630-03-5 | 87   |
| 5    |    | Octadecane, 3-ethyl-5-(2-ethylbu... | 366 | C26H54  | 055282-12-7 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

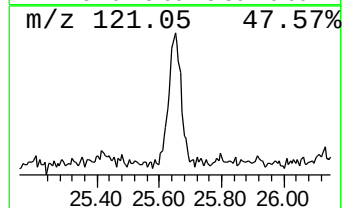
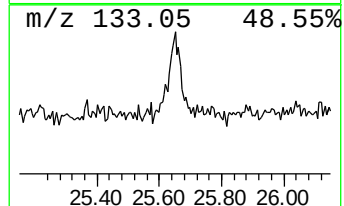
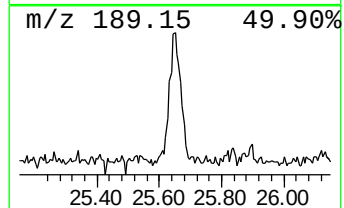
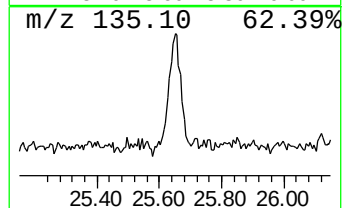
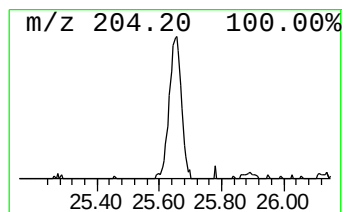
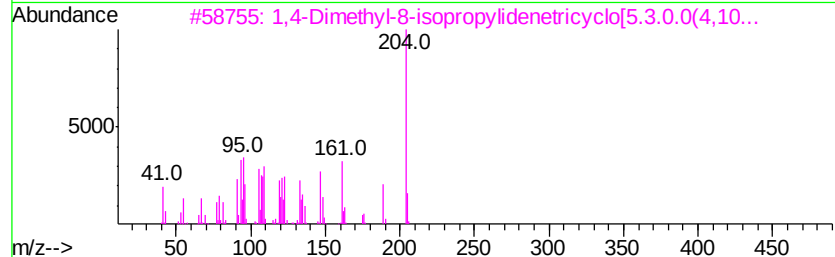
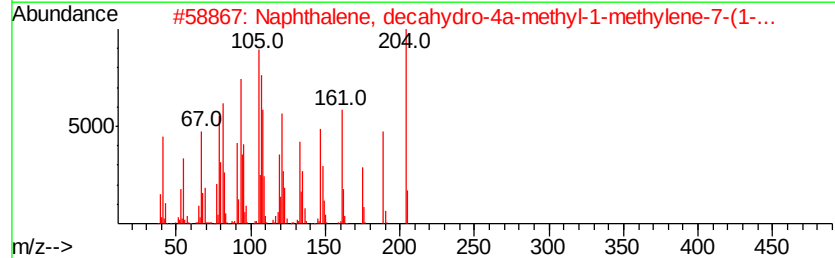
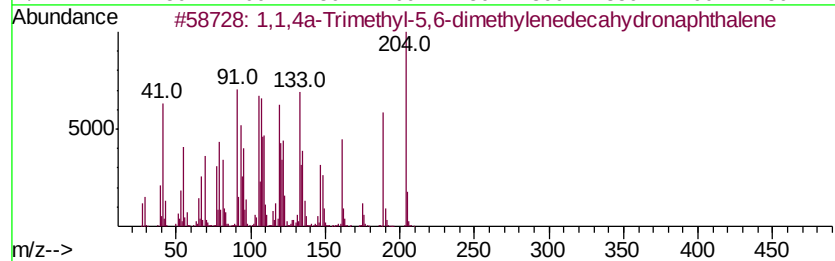
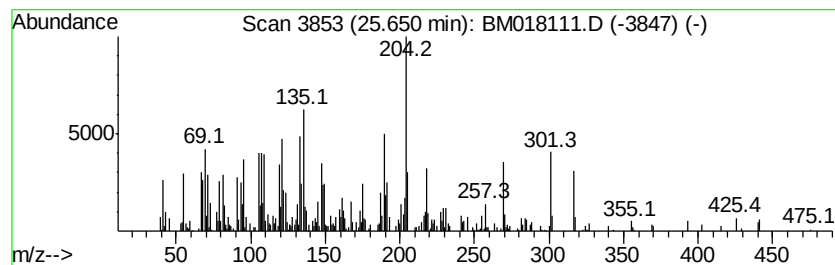
Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11918MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.         |      |      |
|---------|-------------------------------------|--------------|------------------|--------------|------|------|
| 25.65   | 7.40 ng/ul                          | 829432       | Perylene-d12     | 23.34        |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 1,1,4a-Trimethyl-5,6-dimethylene... | 204          | C15H24           | 1000193-60-8 | 52   |      |
| 2       | Naphthalene, decahydro-4a-methyl... | 204          | C15H24           | 017066-67-0  | 49   |      |
| 3       | 1,4-Dimethyl-8-isopropylidenetri... | 204          | C15H24           | 1000140-07-7 | 49   |      |
| 4       | Guaia-3,9-diene                     | 204          | C15H24           | 000489-83-8  | 43   |      |
| 5       | 2,5,5,8a-Tetramethyl-6,7,8,8a-te... | 204          | C14H20O          | 124957-09-1  | 38   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121218\  
Data File : BM018111.D  
Acq On : 13 Dec 2018 02:19  
Operator : JU/SJ  
Sample : J6227-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9E69

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.86 | 5.5     | ng/ul | 500910   | 4                     | 16.95 | 1803950 | 20.0 |
| Octadecanoic acid    | 19.16 | 2.1     | ng/ul | 267343   | 5                     | 21.16 | 2499210 | 20.0 |
| (DEL) Alkane: Cyc... | 20.89 | 3.2     | ng/ul | 402632   | 5                     | 21.16 | 2499210 | 20.0 |
| (DEL) Alkane: Str... | 22.69 | 2.3     | ng/ul | 253662   | 6                     | 23.34 | 2242180 | 20.0 |
| (DEL) Alkane: Str... | 23.83 | 2.6     | ng/ul | 287830   | 6                     | 23.34 | 2242180 | 20.0 |
| 1,1,4a-Trimethyl-... | 25.65 | 7.4     | ng/ul | 829432   | 6                     | 23.34 | 2242180 | 20.0 |