

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
 Data File : BM003155.D  
 Acq On : 16 Nov 2015 22:38  
 Operator : UM/IZ  
 Sample : G4323-25  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4J45

## 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM103015.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         | 3.722       | 103           | 108         | 114          | rBV      | 14383          | 19194         | 0.88%           | 0.068%        |
| 2         | 4.046       | 159           | 163         | 171          | rVB      | 23007          | 29893         | 1.38%           | 0.106%        |
| 3         | 4.851       | 295           | 300         | 309          | rVB2     | 39674          | 60320         | 2.78%           | 0.215%        |
| 4         | 6.140       | 513           | 519         | 524          | rBV      | 19914          | 27293         | 1.26%           | 0.097%        |
| 5         | 6.904       | 643           | 649         | 661          | rVB      | 230342         | 373303        | 17.18%          | 1.329%        |
| 6         | 7.075       | 670           | 678         | 687          | rBV      | 198348         | 306911        | 14.12%          | 1.093%        |
| 7         | 7.275       | 705           | 712         | 719          | rBV      | 254989         | 384436        | 17.69%          | 1.369%        |
| 8         | 7.745       | 785           | 792         | 799          | rBV      | 466601         | 719507        | 33.11%          | 2.562%        |
| 9         | 8.445       | 904           | 911         | 919          | rBV      | 284412         | 444444        | 20.45%          | 1.583%        |
| 10        | 8.898       | 981           | 988         | 995          | rVB      | 220436         | 345029        | 15.88%          | 1.229%        |
| 11        | 9.622       | 1104          | 1111        | 1117         | rBV      | 172793         | 277468        | 12.77%          | 0.988%        |
| 12        | 10.151      | 1195          | 1201        | 1209         | rBV      | 288325         | 465082        | 21.40%          | 1.656%        |
| 13        | 10.533      | 1259          | 1266        | 1272         | rBV      | 650488         | 1101004       | 50.67%          | 3.920%        |
| 14        | 10.586      | 1272          | 1275        | 1280         | rVV      | 29797          | 42746         | 1.97%           | 0.152%        |
| 15        | 10.669      | 1280          | 1289        | 1300         | rVV      | 127108         | 218749        | 10.07%          | 0.779%        |
| 16        | 13.798      | 1815          | 1821        | 1825         | rVV      | 534601         | 734454        | 33.80%          | 2.615%        |
| 17        | 13.845      | 1825          | 1829        | 1837         | rVB      | 353349         | 479807        | 22.08%          | 1.709%        |
| 18        | 14.080      | 1863          | 1869        | 1882         | rVV      | 548095         | 825705        | 38.00%          | 2.940%        |
| 19        | 14.292      | 1901          | 1905        | 1911         | rVB      | 18434          | 23605         | 1.09%           | 0.084%        |
| 20        | 14.392      | 1915          | 1922        | 1929         | rVV2     | 940038         | 1424311       | 65.55%          | 5.072%        |
| 21        | 14.457      | 1929          | 1933        | 1941         | rVB2     | 11518          | 19042         | 0.88%           | 0.068%        |
| 22        | 14.580      | 1947          | 1954        | 1965         | rVB      | 179477         | 251513        | 11.58%          | 0.896%        |
| 23        | 14.792      | 1986          | 1990        | 1995         | rVB3     | 13570          | 23646         | 1.09%           | 0.084%        |
| 24        | 15.245      | 2063          | 2067        | 2072         | rVB      | 33442          | 40937         | 1.88%           | 0.146%        |
| 25        | 15.386      | 2084          | 2091        | 2096         | rVV      | 719311         | 1044976       | 48.09%          | 3.721%        |
| 26        | 15.439      | 2096          | 2100        | 2105         | rVV2     | 17708          | 25499         | 1.17%           | 0.091%        |
| 27        | 15.498      | 2105          | 2110        | 2115         | rVV      | 163533         | 216093        | 9.94%           | 0.769%        |
| 28        | 15.651      | 2125          | 2136        | 2140         | rVV4     | 13986          | 32329         | 1.49%           | 0.115%        |
| 29        | 15.727      | 2146          | 2149        | 2156         | rVB5     | 10006          | 17532         | 0.81%           | 0.062%        |
| 30        | 15.868      | 2166          | 2173        | 2182         | rBV4     | 7495           | 18627         | 0.86%           | 0.066%        |
| 31        | 16.104      | 2209          | 2213        | 2221         | rBV2     | 41020          | 74553         | 3.43%           | 0.265%        |
| 32        | 16.898      | 2335          | 2348        | 2354         | rBV3     | 37936          | 68151         | 3.14%           | 0.243%        |
| 33        | 16.951      | 2354          | 2357        | 2362         | rVB2     | 17566          | 23800         | 1.10%           | 0.085%        |
| 34        | 17.133      | 2382          | 2388        | 2393         | rBV2     | 1082907        | 1600146       | 73.64%          | 5.698%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 17.174 | 2393 | 2395 | 2400 | rVB  | 220512 | 268501  | 12.36% | 0.956% |
| 36 | 17.233 | 2400 | 2405 | 2410 | rBV  | 672699 | 948342  | 43.64% | 3.377% |
| 37 | 17.539 | 2453 | 2457 | 2465 | rVB  | 13728  | 22310   | 1.03%  | 0.079% |
| 38 | 17.633 | 2469 | 2473 | 2480 | rVV2 | 23511  | 34797   | 1.60%  | 0.124% |
| 39 | 17.921 | 2516 | 2522 | 2527 | rVV4 | 9120   | 20229   | 0.93%  | 0.072% |
| 40 | 17.968 | 2527 | 2530 | 2533 | rVV2 | 17867  | 26974   | 1.24%  | 0.096% |
| 41 | 18.027 | 2533 | 2540 | 2543 | rVV2 | 90580  | 183426  | 8.44%  | 0.653% |
| 42 | 18.057 | 2543 | 2545 | 2551 | rVV  | 68947  | 86302   | 3.97%  | 0.307% |
| 43 | 18.139 | 2555 | 2559 | 2563 | rVV  | 17817  | 30064   | 1.38%  | 0.107% |
| 44 | 18.204 | 2564 | 2570 | 2574 | rVV2 | 62103  | 117155  | 5.39%  | 0.417% |
| 45 | 18.239 | 2574 | 2576 | 2584 | rVV  | 34469  | 47601   | 2.19%  | 0.169% |
| 46 | 18.327 | 2586 | 2591 | 2594 | rVV3 | 13873  | 21480   | 0.99%  | 0.076% |
| 47 | 18.515 | 2618 | 2623 | 2626 | rBV  | 30207  | 43095   | 1.98%  | 0.153% |
| 48 | 18.551 | 2626 | 2629 | 2636 | rVB3 | 26287  | 36539   | 1.68%  | 0.130% |
| 49 | 18.809 | 2668 | 2673 | 2677 | rBV2 | 15443  | 22915   | 1.05%  | 0.082% |
| 50 | 18.886 | 2683 | 2686 | 2689 | rBV  | 14901  | 19018   | 0.88%  | 0.068% |
| 51 | 18.933 | 2689 | 2694 | 2697 | rBV2 | 39145  | 57719   | 2.66%  | 0.206% |
| 52 | 19.074 | 2713 | 2718 | 2724 | rBV3 | 24960  | 45565   | 2.10%  | 0.162% |
| 53 | 19.198 | 2731 | 2739 | 2745 | rBV  | 452764 | 632693  | 29.12% | 2.253% |
| 54 | 19.309 | 2753 | 2758 | 2761 | rBV5 | 30454  | 45879   | 2.11%  | 0.163% |
| 55 | 19.392 | 2769 | 2772 | 2774 | rBV4 | 13976  | 17640   | 0.81%  | 0.063% |
| 56 | 19.439 | 2777 | 2780 | 2784 | rVB2 | 32084  | 42011   | 1.93%  | 0.150% |
| 57 | 19.533 | 2790 | 2796 | 2799 | rBV  | 840778 | 1234791 | 56.83% | 4.397% |
| 58 | 19.562 | 2799 | 2801 | 2809 | rVV  | 404997 | 458908  | 21.12% | 1.634% |
| 59 | 19.633 | 2809 | 2813 | 2819 | rVB2 | 31327  | 51907   | 2.39%  | 0.185% |
| 60 | 19.739 | 2827 | 2831 | 2836 | rVB  | 26214  | 37621   | 1.73%  | 0.134% |
| 61 | 19.798 | 2838 | 2841 | 2849 | rVB6 | 18119  | 25415   | 1.17%  | 0.090% |
| 62 | 19.886 | 2849 | 2856 | 2863 | rBV4 | 35295  | 93247   | 4.29%  | 0.332% |
| 63 | 20.027 | 2874 | 2880 | 2881 | rBV4 | 29890  | 48855   | 2.25%  | 0.174% |
| 64 | 20.056 | 2881 | 2885 | 2888 | rVB  | 51693  | 67338   | 3.10%  | 0.240% |
| 65 | 20.156 | 2898 | 2902 | 2905 | rBV  | 32332  | 42388   | 1.95%  | 0.151% |
| 66 | 20.215 | 2905 | 2912 | 2916 | rVB2 | 53187  | 89609   | 4.12%  | 0.319% |
| 67 | 20.356 | 2932 | 2936 | 2939 | rBV  | 29367  | 36082   | 1.66%  | 0.128% |
| 68 | 20.403 | 2940 | 2944 | 2948 | rVV2 | 38962  | 59954   | 2.76%  | 0.213% |
| 69 | 20.462 | 2950 | 2954 | 2958 | rVB3 | 24250  | 34190   | 1.57%  | 0.122% |
| 70 | 20.515 | 2960 | 2963 | 2968 | rBV7 | 13994  | 23725   | 1.09%  | 0.084% |
| 71 | 20.621 | 2977 | 2981 | 2983 | rBV4 | 17300  | 23885   | 1.10%  | 0.085% |

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Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM103015.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 20.715 | 2994 | 2997 | 3001 | rVB2 | 21995   | 26981   | 1.24%   | 0.096% |
| 73  | 20.774 | 3004 | 3007 | 3009 | rVV3 | 17401   | 24304   | 1.12%   | 0.087% |
| 74  | 20.803 | 3009 | 3012 | 3018 | rVB  | 37842   | 56644   | 2.61%   | 0.202% |
| 75  | 20.974 | 3035 | 3041 | 3044 | rBV2 | 33399   | 59099   | 2.72%   | 0.210% |
| 76  | 21.039 | 3048 | 3052 | 3059 | rVV4 | 180009  | 288890  | 13.30%  | 1.029% |
| 77  | 21.097 | 3059 | 3062 | 3068 | rVB2 | 40255   | 58754   | 2.70%   | 0.209% |
| 78  | 21.245 | 3084 | 3087 | 3090 | rVB  | 38664   | 40664   | 1.87%   | 0.145% |
| 79  | 21.327 | 3094 | 3101 | 3105 | rVV2 | 1450951 | 2172882 | 100.00% | 7.737% |
| 80  | 21.362 | 3105 | 3107 | 3114 | rVB  | 233423  | 274994  | 12.66%  | 0.979% |
| 81  | 21.480 | 3124 | 3127 | 3132 | rBV3 | 49214   | 63281   | 2.91%   | 0.225% |
| 82  | 21.645 | 3151 | 3155 | 3160 | rBV3 | 27048   | 54962   | 2.53%   | 0.196% |
| 83  | 21.880 | 3192 | 3195 | 3198 | rVB2 | 34306   | 40239   | 1.85%   | 0.143% |
| 84  | 21.933 | 3198 | 3204 | 3211 | rBV3 | 216746  | 351315  | 16.17%  | 1.251% |
| 85  | 22.380 | 3277 | 3280 | 3284 | rBV2 | 36583   | 49025   | 2.26%   | 0.175% |
| 86  | 22.615 | 3317 | 3320 | 3324 | rBV3 | 41386   | 52239   | 2.40%   | 0.186% |
| 87  | 22.897 | 3362 | 3368 | 3372 | rBV3 | 384725  | 750804  | 34.55%  | 2.673% |
| 88  | 22.939 | 3372 | 3375 | 3383 | rVB3 | 291035  | 513038  | 23.61%  | 1.827% |
| 89  | 23.080 | 3395 | 3399 | 3407 | rVB2 | 60229   | 105490  | 4.85%   | 0.376% |
| 90  | 23.391 | 3447 | 3452 | 3455 | rBV  | 97129   | 175001  | 8.05%   | 0.623% |
| 91  | 23.439 | 3455 | 3460 | 3465 | rBV  | 407634  | 749789  | 34.51%  | 2.670% |
| 92  | 23.586 | 3478 | 3485 | 3492 | rBV  | 893425  | 1693991 | 77.96%  | 6.032% |
| 93  | 23.791 | 3516 | 3520 | 3528 | rVB8 | 38250   | 86994   | 4.00%   | 0.310% |
| 94  | 24.121 | 3570 | 3576 | 3584 | rVB  | 296042  | 597939  | 27.52%  | 2.129% |
| 95  | 24.203 | 3586 | 3590 | 3604 | rVB3 | 84137   | 197045  | 9.07%   | 0.702% |
| 96  | 24.880 | 3699 | 3705 | 3712 | rVB  | 69612   | 143263  | 6.59%   | 0.510% |
| 97  | 25.762 | 3849 | 3855 | 3863 | rBV2 | 86670   | 234046  | 10.77%  | 0.833% |
| 98  | 25.868 | 3866 | 3873 | 3888 | rVB7 | 201895  | 692756  | 31.88%  | 2.467% |
| 99  | 26.674 | 4002 | 4010 | 4021 | rVB4 | 190330  | 573449  | 26.39%  | 2.042% |
| 100 | 29.032 | 4401 | 4411 | 4425 | rVB2 | 270375  | 1097330 | 50.50%  | 3.907% |

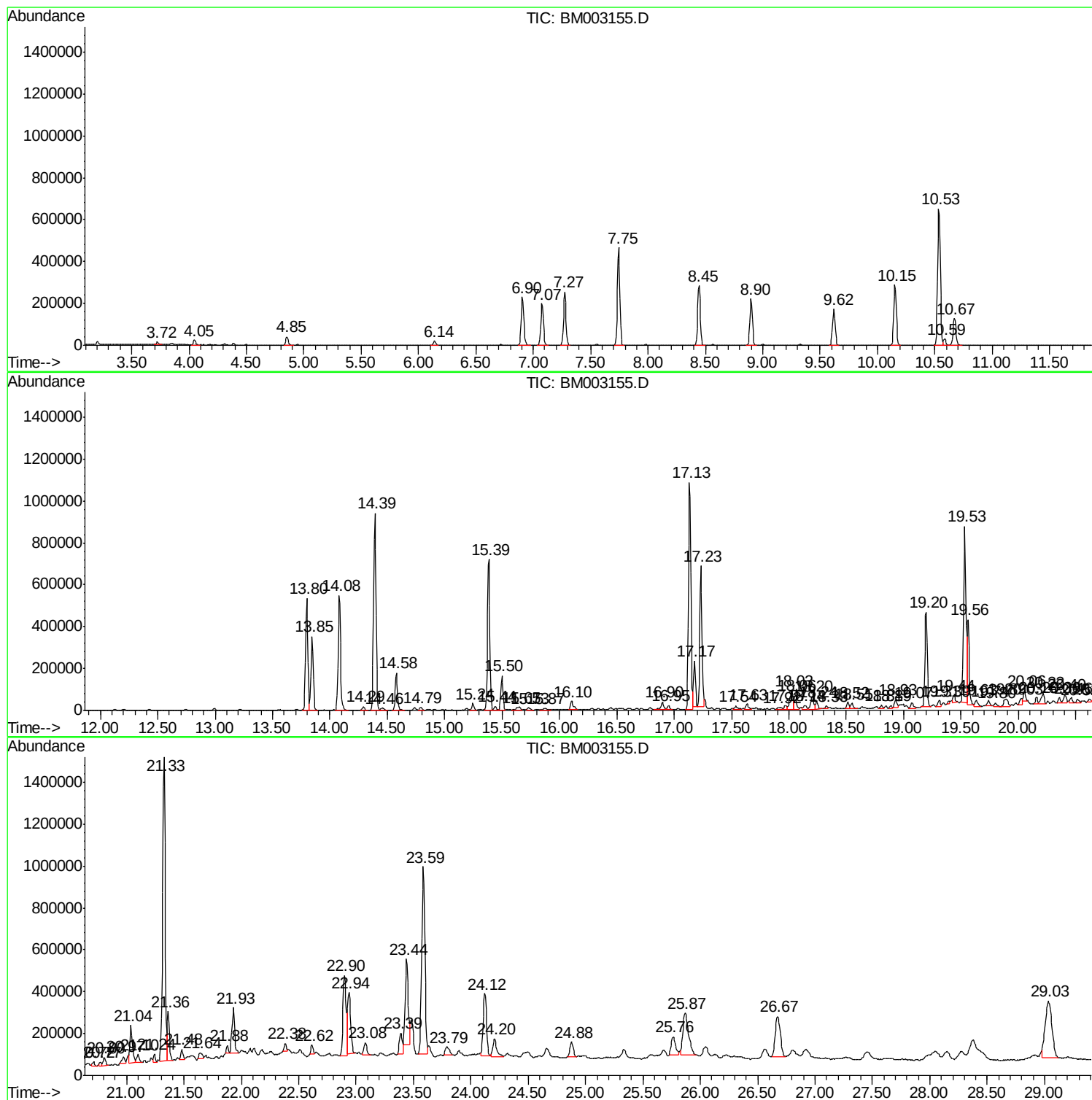
Sum of corrected areas: 28083483

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

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



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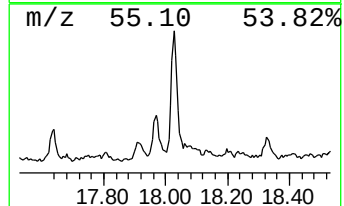
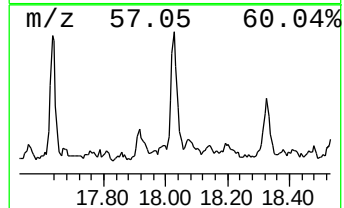
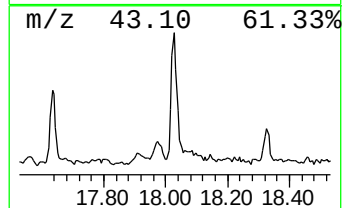
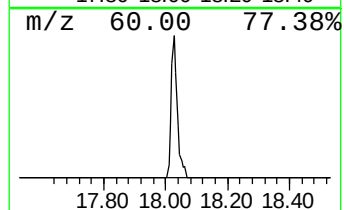
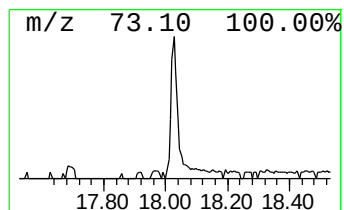
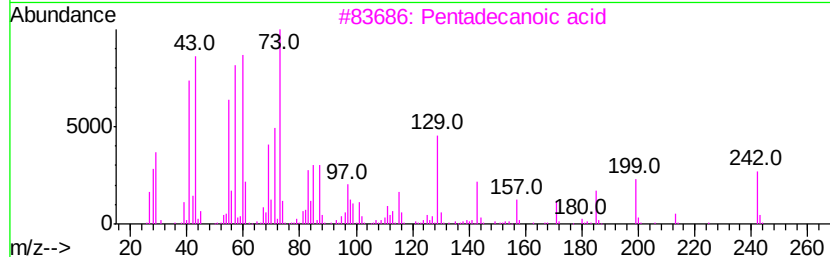
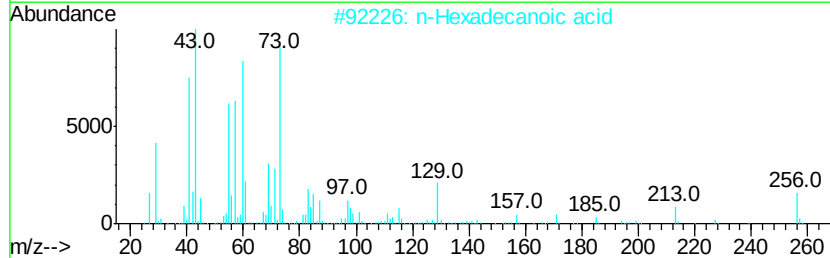
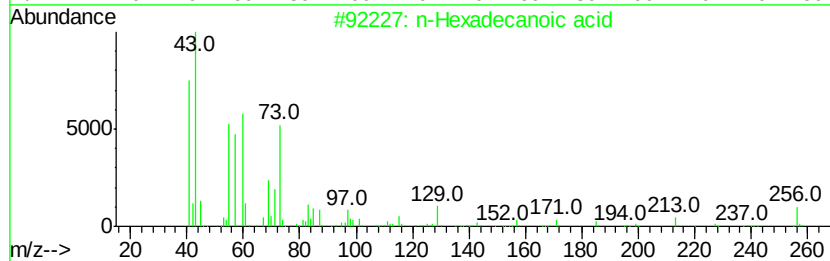
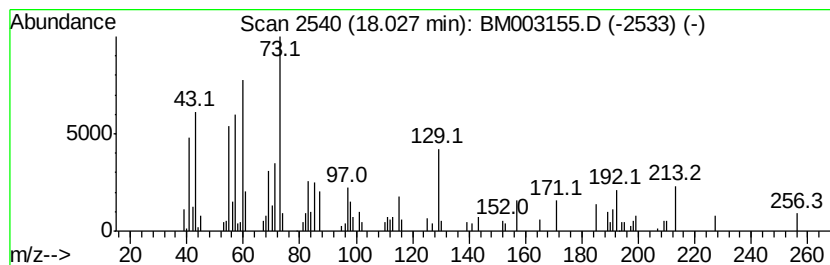
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 8

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 18.03   | 2.29 ng/ul          | 183426       | Phenanthrene-d10 | 17.13       |      |      |
| 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 | 72   |      |
| 3       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 64   |      |
| 4       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 59   |      |
| 5       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 59   |      |



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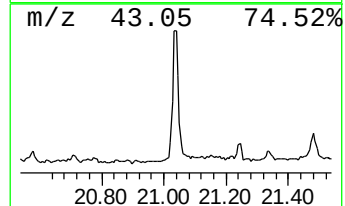
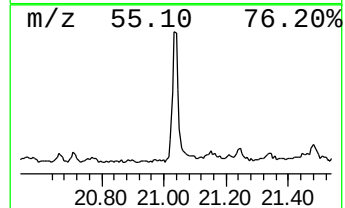
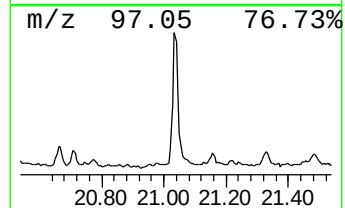
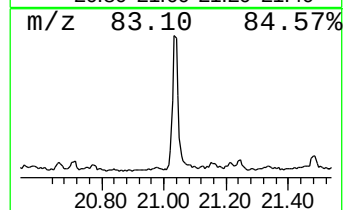
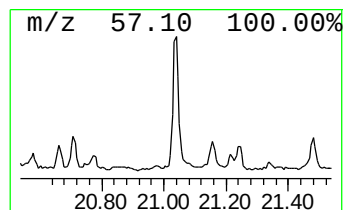
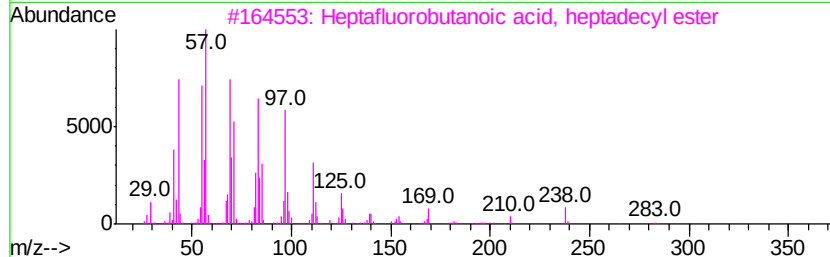
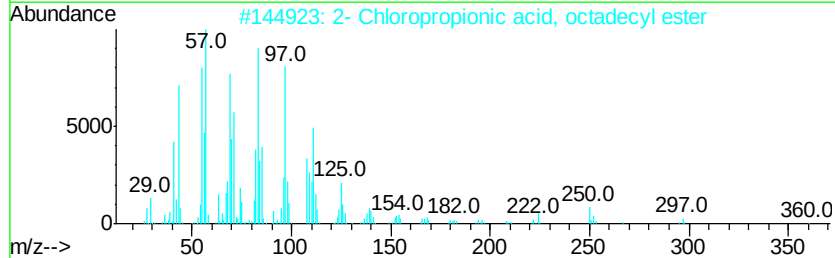
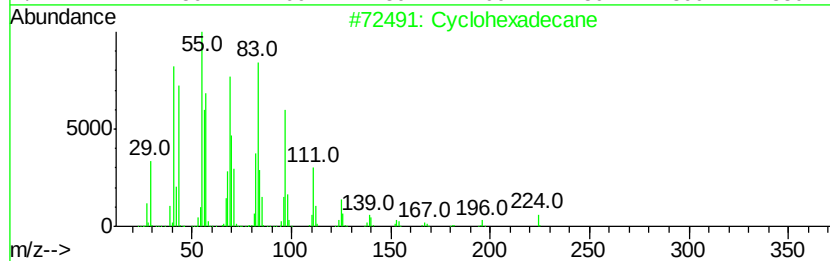
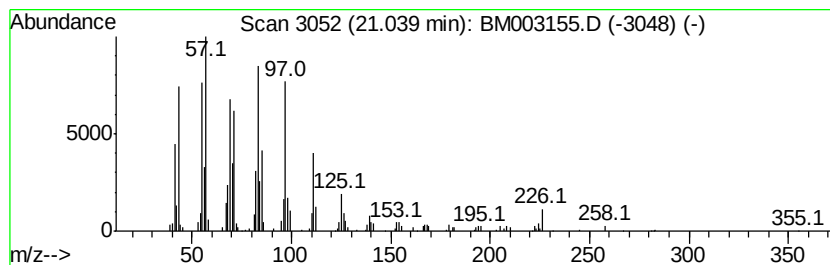
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic21.04 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.04 | 2.66 ng/ul | 288890 | Chrysene-d12     | 21.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8  | 98   |
| 2    |    | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8  | 94   |
| 3    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 94   |
| 4    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 94   |
| 5    |    | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5  | 93   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

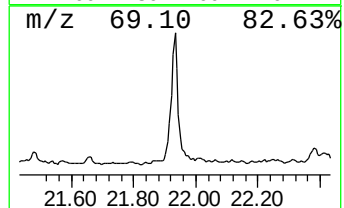
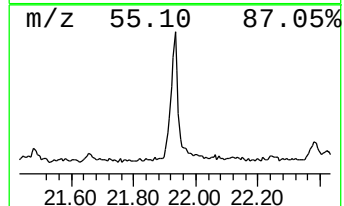
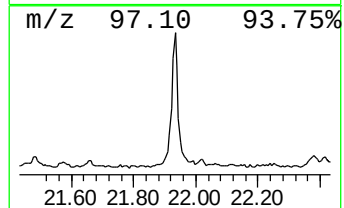
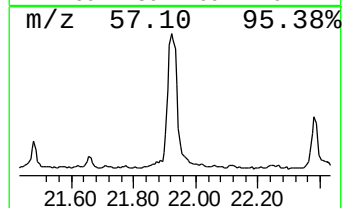
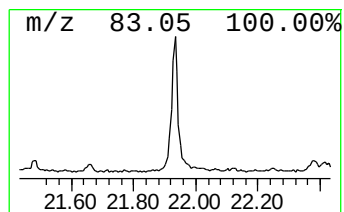
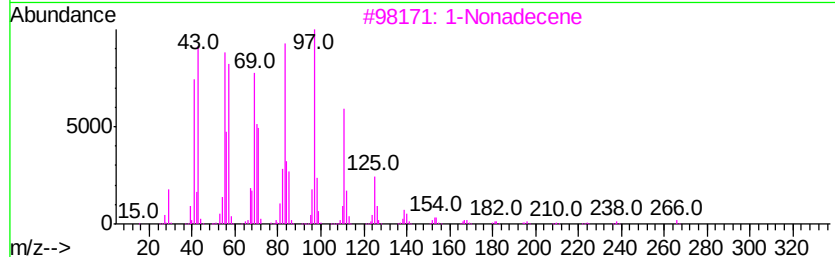
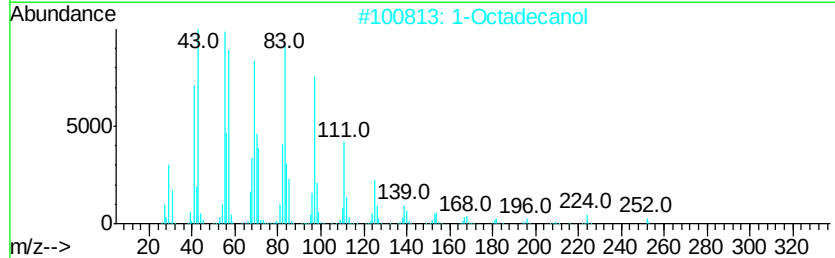
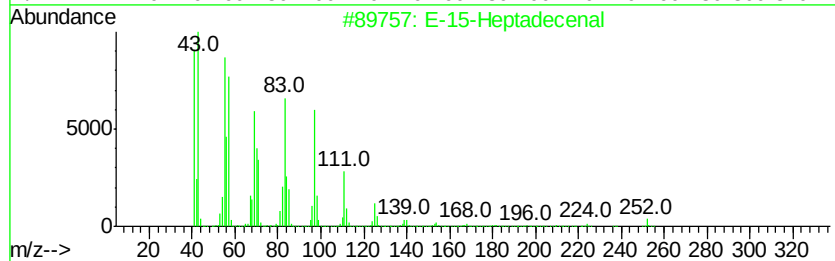
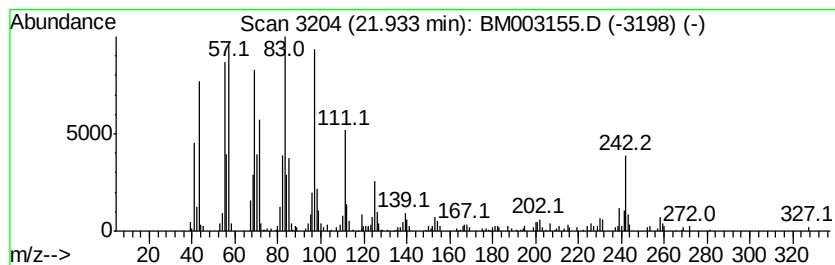
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 E-15-Heptadecenal Concentration Rank 4

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.         |      |      |
|---------|-------------------------------------|--------------|------------------|--------------|------|------|
| 21.93   | 3.23 ng/ul                          | 351315       | Chrysene-d12     | 21.33        |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | E-15-Heptadecenal                   | 252          | C17H32O          | 1000130-97-9 | 90   |      |
| 2       | 1-Octadecanol                       | 270          | C18H38O          | 000112-92-5  | 90   |      |
| 3       | 1-Nonadecene                        | 266          | C19H38           | 018435-45-5  | 90   |      |
| 4       | 2- Chloropropionic acid, octadec... | 360          | C21H41ClO2       | 088104-31-8  | 90   |      |
| 5       | 1-Heneicosyl formate                | 340          | C22H44O2         | 077899-03-7  | 90   |      |





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

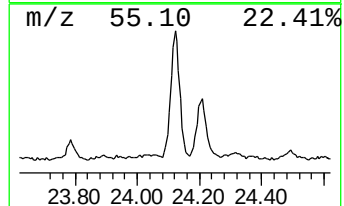
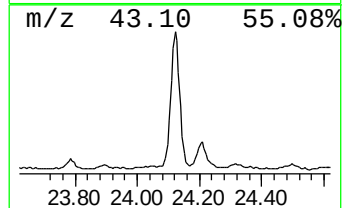
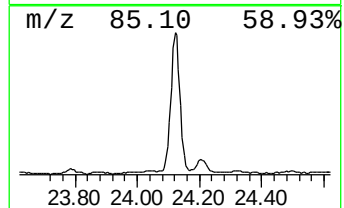
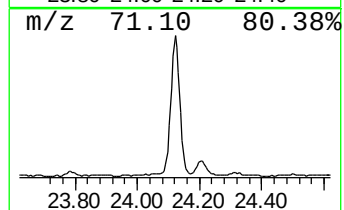
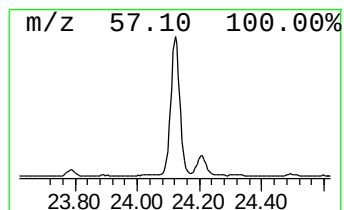
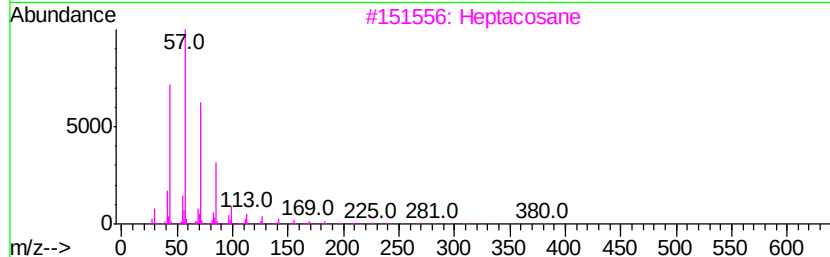
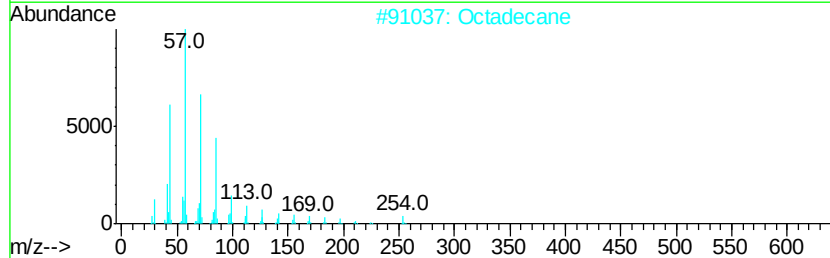
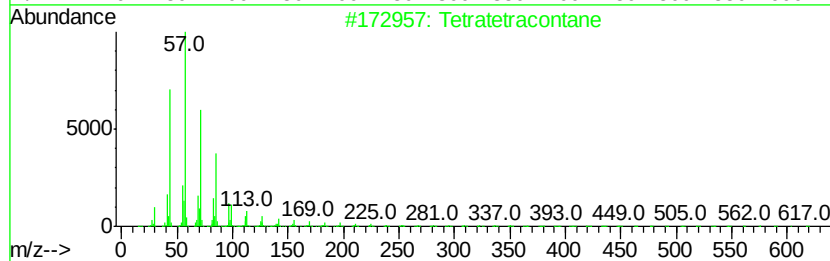
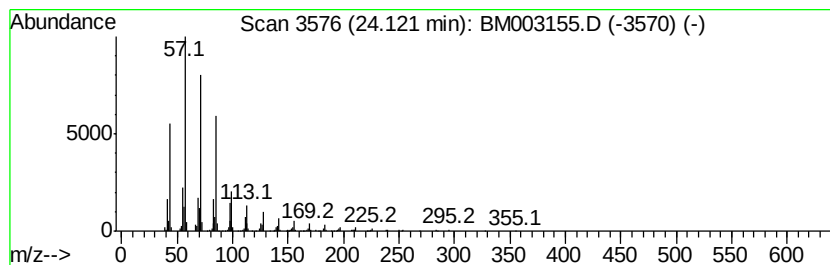
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic24.12 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.12 | 7.06 ng/ul | 597939 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 2    |    | Octadecane        | 254 | C18H38  | 000593-45-3 | 91   |
| 3    |    | Heptacosane       | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J45

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

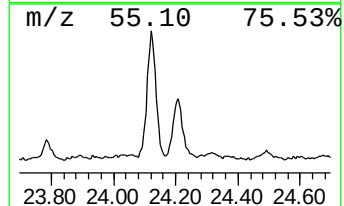
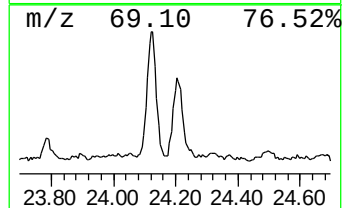
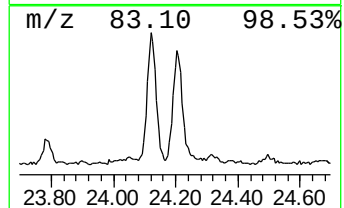
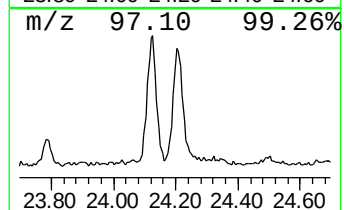
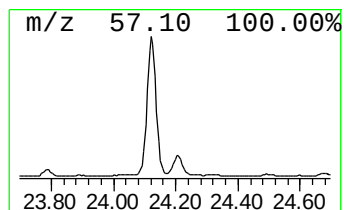
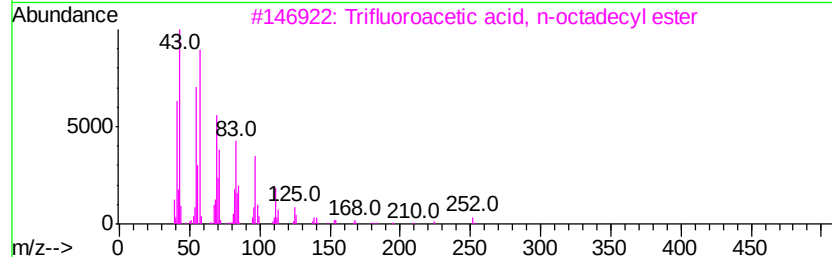
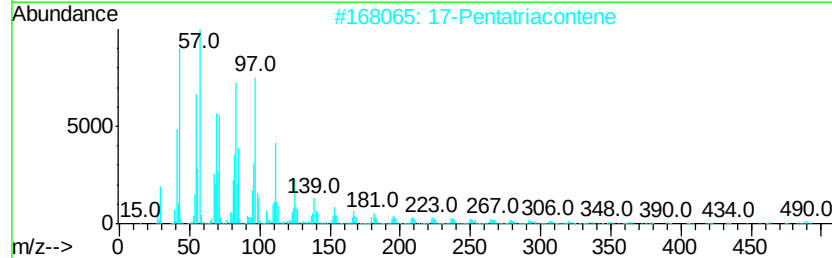
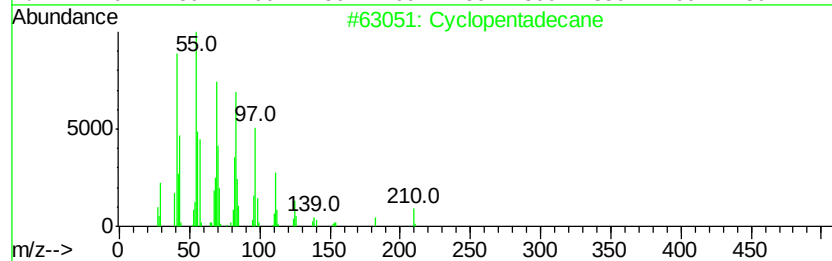
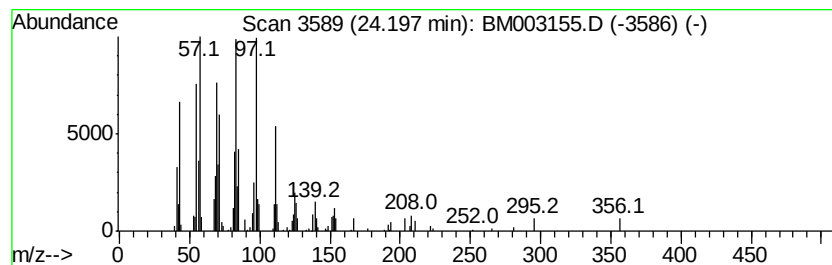
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Cyclic24.20 Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.20 | 2.33 ng/ul | 197045 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclopentadecane                    | 210 | C15H30     | 000295-48-7  | 95   |
| 2    |    | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 68   |
| 3    |    | Trifluoroacetic acid, n-octadecv... | 366 | C20H37F3O2 | 079392-43-1  | 68   |
| 4    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 62   |
| 5    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 62   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

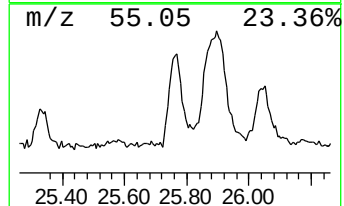
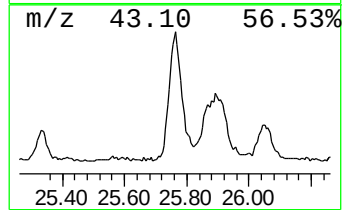
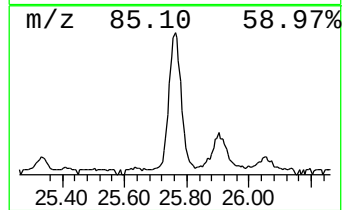
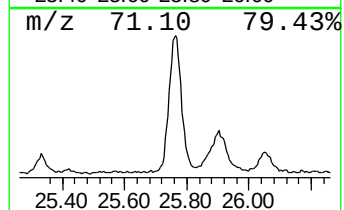
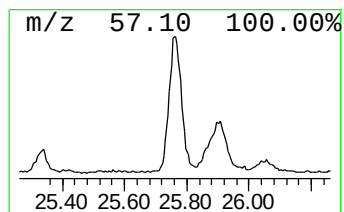
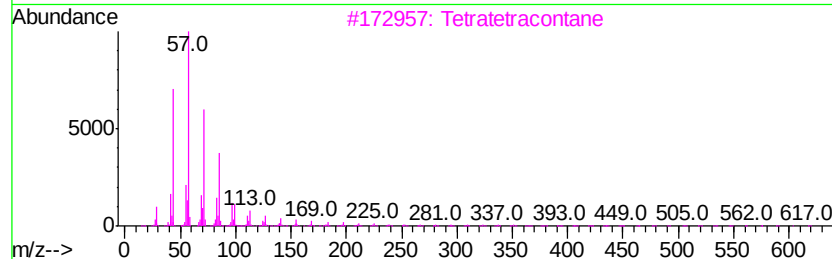
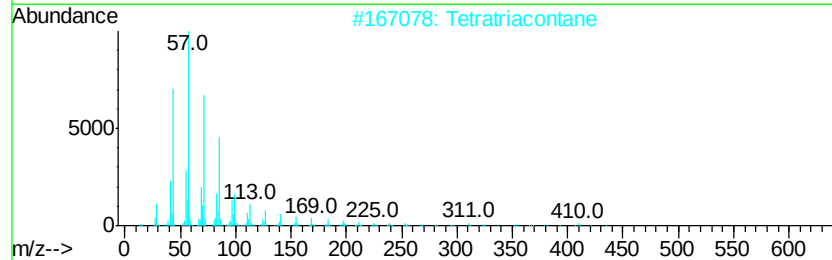
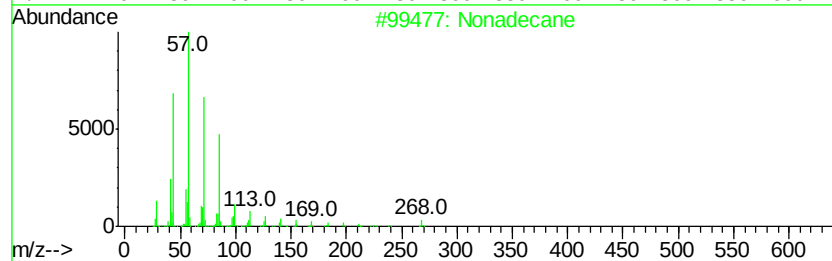
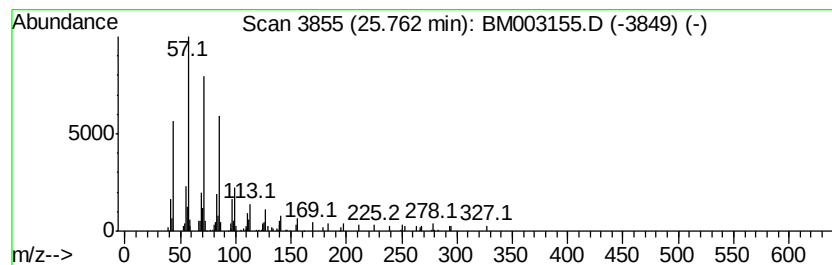
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.76 | 2.76 ng/ul | 234046 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane                       | 268 | C19H40  | 000629-92-5 | 93   |
| 2    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Tetratetracontane                | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Octacosane                       | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

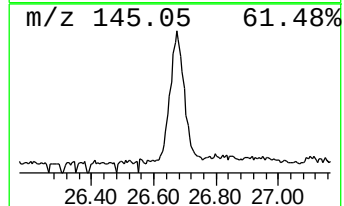
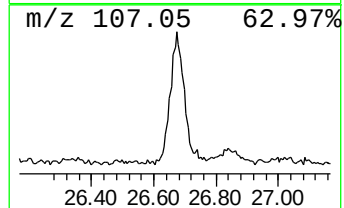
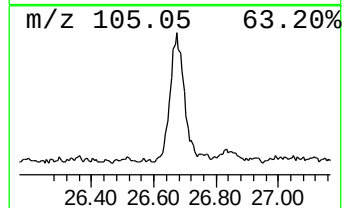
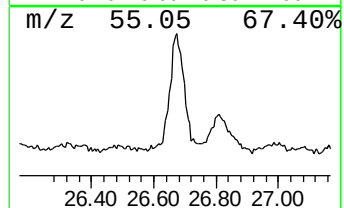
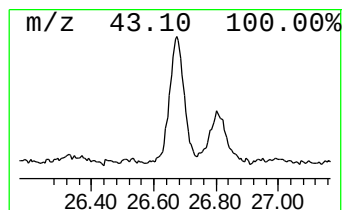
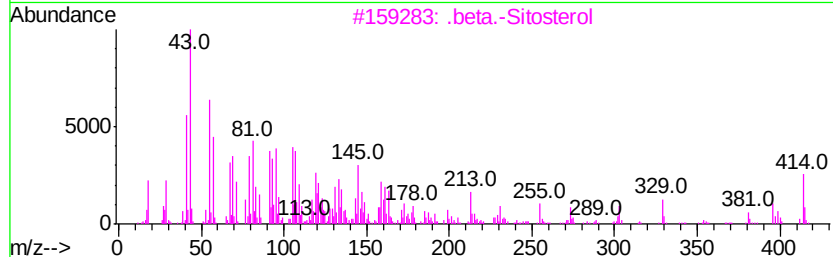
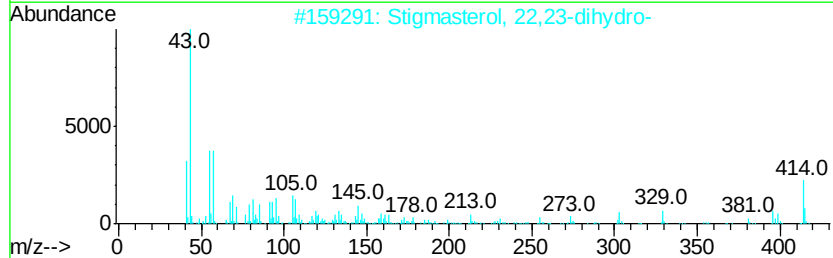
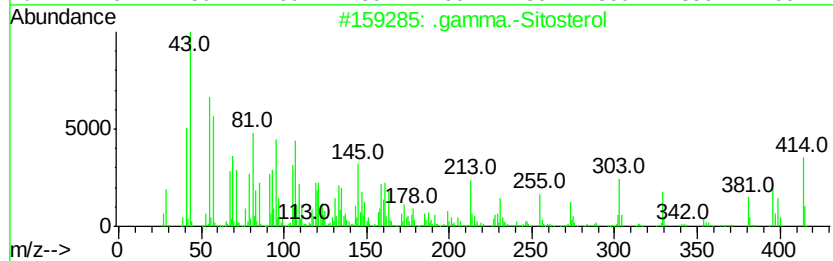
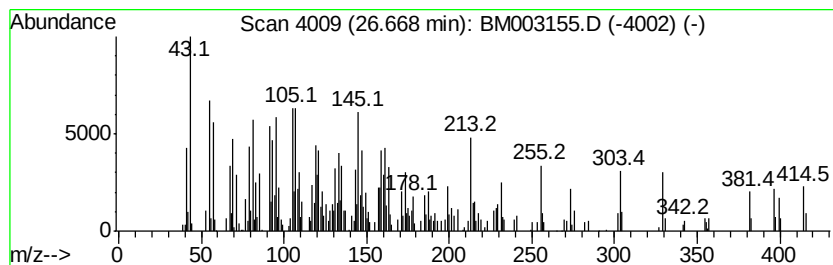
Instrument :  
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ClientSampleId :  
A4J45

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 .gamma.-Sitosterol Concentration Rank 3

| R.T.      | EstConc                       | Area   | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------|--------|------------------|--------------|-------|
| 26.67     | 6.77 ng/ul                    | 573449 | Perylene-d12     |              | 23.59 |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#         | Qual  |
| 1         | .gamma.-Sitosterol            | 414    | C29H50O          | 000083-47-6  | 99    |
| 2         | Stigmasterol, 22,23-dihydro-  | 414    | C29H50O          | 1000214-20-7 | 97    |
| 3         | .beta.-Sitosterol             | 414    | C29H50O          | 000083-46-5  | 97    |
| 4         | .beta.-Sitosterol             | 414    | C29H50O          | 000083-46-5  | 96    |
| 5         | 5-Cholestene-3-ol, 24-methyl- | 400    | C28H48O          | 1000214-17-4 | 49    |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
Quant Title : SVOA CALIBRATION

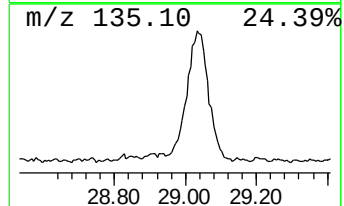
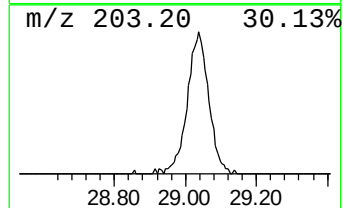
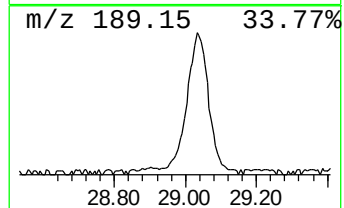
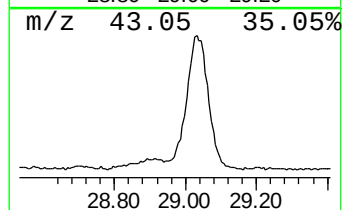
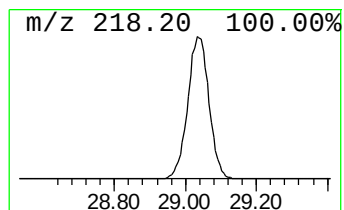
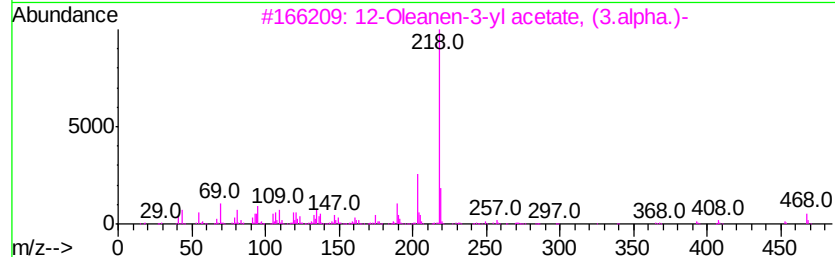
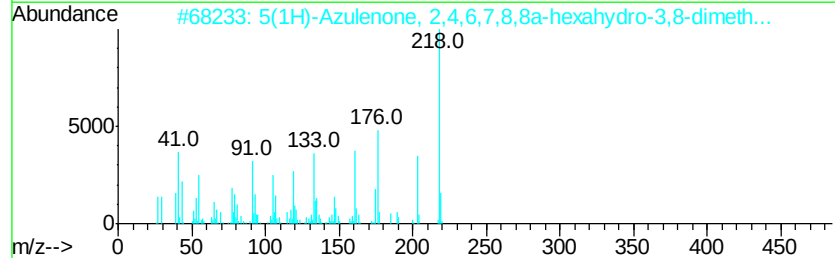
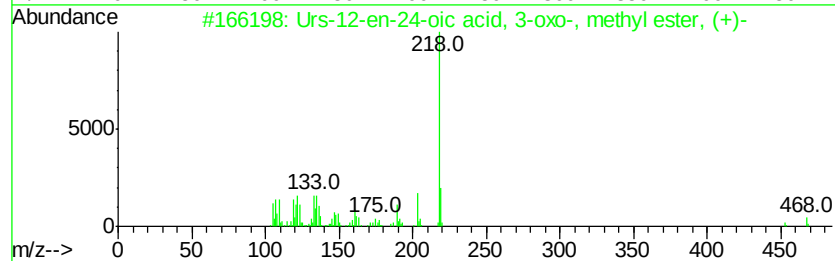
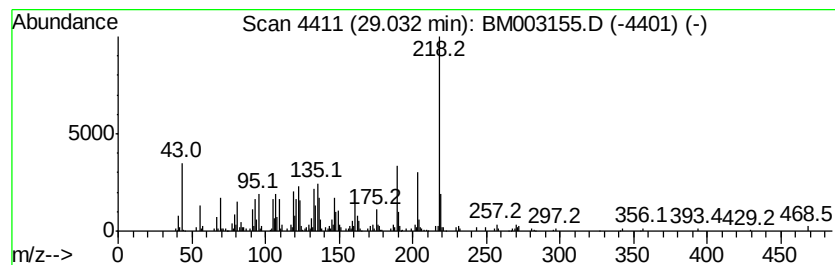
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Urs-12-en-24-oic acid, 3-ox... Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 29.03 | 12.96 ng/ul | 1097330 | Perylene-d12     | 23.59 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Urs-12-en-24-oic acid, 3-oxo-, m...  | 468 | C31H48O3 | 020475-86-9 | 93   |
| 2    |    | 5(1H)-Azulenone, 2,4,6,7,8,8a-he...  | 218 | C15H22O  | 006754-66-1 | 70   |
| 3    |    | 12-Oleanen-3-yl acetate, (3.alpha... | 468 | C32H52O2 | 033055-28-6 | 55   |
| 4    |    | Pyrene, hexadecahydro-               | 218 | C16H26   | 002435-85-0 | 50   |
| 5    |    | Pyrene, hexadecahydro-               | 218 | C16H26   | 002435-85-0 | 49   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM111715\  
Data File : BM003155.D  
Acq On : 16 Nov 2015 22:38  
Operator : UM/IZ  
Sample : G4323-25  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4J45

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM103015.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  | 18.03 | 2.3     | ng/ul | 183426   | 4                     | 17.13 | 1600150 | 20.0 |
| (DEL) Alkane: Cyc... | 21.04 | 2.7     | ng/ul | 288890   | 5                     | 21.33 | 2172880 | 20.0 |
| E-15-Heptadecenal    | 21.93 | 3.2     | ng/ul | 351315   | 5                     | 21.33 | 2172880 | 20.0 |
| (DEL) Alkane: Cyc... | 24.12 | 7.1     | ng/ul | 597939   | 6                     | 23.59 | 1693990 | 20.0 |
| (DEL) Alkane: Cyc... | 24.20 | 2.3     | ng/ul | 197045   | 6                     | 23.59 | 1693990 | 20.0 |
| (DEL) Alkane: Str... | 25.76 | 2.8     | ng/ul | 234046   | 6                     | 23.59 | 1693990 | 20.0 |
| .gamma.-Sitosterol   | 26.67 | 6.8     | ng/ul | 573449   | 6                     | 23.59 | 1693990 | 20.0 |
| Urs-12-en-24-oic ... | 29.03 | 13.0    | ng/ul | 1097330  | 6                     | 23.59 | 1693990 | 20.0 |