

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
 Data File : BM018160.D  
 Acq On : 14 Dec 2018 10:01  
 Operator : JU/SJ  
 Sample : J6236-16  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9F16

## 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-BM121318MA.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         | 3.005       | 17            | 20          | 23           | rBV5     | 3336           | 3673          | 0.17%           | 0.012%        |
| 2         | 3.063       | 29            | 30          | 33           | rVB3     | 3897           | 3414          | 0.15%           | 0.011%        |
| 3         | 3.105       | 33            | 37          | 40           | rBV      | 14202          | 19416         | 0.88%           | 0.063%        |
| 4         | 3.505       | 101           | 105         | 109          | rBV3     | 6359           | 7700          | 0.35%           | 0.025%        |
| 5         | 3.599       | 116           | 121         | 126          | rBV      | 18253          | 23517         | 1.06%           | 0.076%        |
| 6         | 3.663       | 129           | 132         | 134          | rBV4     | 3390           | 3520          | 0.16%           | 0.011%        |
| 7         | 3.699       | 134           | 138         | 144          | rVB2     | 22536          | 34042         | 1.54%           | 0.110%        |
| 8         | 3.793       | 152           | 154         | 158          | rVB3     | 3252           | 3975          | 0.18%           | 0.013%        |
| 9         | 3.899       | 167           | 172         | 178          | rBV      | 26456          | 36977         | 1.67%           | 0.120%        |
| 10        | 4.152       | 213           | 215         | 220          | rVB3     | 4985           | 6437          | 0.29%           | 0.021%        |
| 11        | 4.205       | 220           | 224         | 228          | rBV      | 5576           | 6948          | 0.31%           | 0.022%        |
| 12        | 4.675       | 298           | 304         | 312          | rBV2     | 44431          | 81405         | 3.67%           | 0.263%        |
| 13        | 5.652       | 466           | 470         | 473          | rVB4     | 3071           | 4452          | 0.20%           | 0.014%        |
| 14        | 5.940       | 514           | 519         | 526          | rBV      | 28501          | 43199         | 1.95%           | 0.140%        |
| 15        | 6.640       | 635           | 638         | 642          | rVB3     | 3273           | 3440          | 0.16%           | 0.011%        |
| 16        | 6.704       | 642           | 649         | 663          | rBV2     | 306015         | 625081        | 28.21%          | 2.020%        |
| 17        | 6.863       | 669           | 676         | 685          | rBV      | 265953         | 403257        | 18.20%          | 1.303%        |
| 18        | 7.046       | 701           | 707         | 718          | rBV      | 342386         | 552873        | 24.95%          | 1.787%        |
| 19        | 7.504       | 779           | 785         | 794          | rBV      | 555622         | 910759        | 41.10%          | 2.943%        |
| 20        | 8.228       | 901           | 908         | 919          | rBV      | 294668         | 528761        | 23.86%          | 1.709%        |
| 21        | 8.663       | 975           | 982         | 993          | rBV      | 306036         | 523889        | 23.64%          | 1.693%        |
| 22        | 9.045       | 1043          | 1047        | 1054         | rVB      | 16544          | 22536         | 1.02%           | 0.073%        |
| 23        | 9.375       | 1097          | 1103        | 1115         | rBV      | 255472         | 454472        | 20.51%          | 1.469%        |
| 24        | 9.916       | 1188          | 1195        | 1213         | rBV      | 334701         | 676088        | 30.51%          | 2.185%        |
| 25        | 10.057      | 1218          | 1219        | 1224         | rVV3     | 3843           | 5080          | 0.23%           | 0.016%        |
| 26        | 10.275      | 1249          | 1256        | 1266         | rBV      | 818545         | 1377448       | 62.16%          | 4.452%        |
| 27        | 10.439      | 1279          | 1284        | 1300         | rBV      | 120408         | 287947        | 12.99%          | 0.931%        |
| 28        | 10.545      | 1300          | 1302        | 1303         | rVV      | 5209           | 3553          | 0.16%           | 0.011%        |
| 29        | 11.063      | 1384          | 1390        | 1392         | rBV3     | 2237           | 3912          | 0.18%           | 0.013%        |
| 30        | 11.710      | 1496          | 1500        | 1503         | rVB2     | 4727           | 5463          | 0.25%           | 0.018%        |
| 31        | 11.822      | 1514          | 1519        | 1526         | rBV      | 137789         | 262556        | 11.85%          | 0.849%        |
| 32        | 12.763      | 1675          | 1679        | 1682         | rBV2     | 3040           | 4330          | 0.20%           | 0.014%        |
| 33        | 13.386      | 1781          | 1785        | 1788         | rBV2     | 3414           | 4035          | 0.18%           | 0.013%        |
| 34        | 13.586      | 1813          | 1819        | 1824         | rBV      | 768893         | 1105674       | 49.90%          | 3.573%        |

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 Misc :  
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 BNA\_M  
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## Integration Parameters: LSCINT.P

Integrator: RTE  
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 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-BM121318MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 13.633 | 1824 | 1827 | 1841 | rVB  | 167448  | 279476  | 12.61%  | 0.903% |
| 36 | 13.851 | 1858 | 1864 | 1873 | rBV  | 869157  | 1256691 | 56.71%  | 4.062% |
| 37 | 14.069 | 1897 | 1901 | 1907 | rVB3 | 3146    | 4050    | 0.18%   | 0.013% |
| 38 | 14.163 | 1911 | 1917 | 1928 | rBV2 | 1208771 | 1855869 | 83.75%  | 5.998% |
| 39 | 14.422 | 1954 | 1961 | 1984 | rBV  | 141856  | 393876  | 17.77%  | 1.273% |
| 40 | 14.622 | 1990 | 1995 | 2000 | rVV6 | 9942    | 19088   | 0.86%   | 0.062% |
| 41 | 14.974 | 2051 | 2055 | 2059 | rVB3 | 5773    | 7422    | 0.33%   | 0.024% |
| 42 | 15.027 | 2059 | 2064 | 2069 | rBV5 | 6206    | 11928   | 0.54%   | 0.039% |
| 43 | 15.169 | 2081 | 2088 | 2098 | rVV  | 1117127 | 1651453 | 74.53%  | 5.337% |
| 44 | 15.233 | 2098 | 2099 | 2107 | rVB3 | 4085    | 6933    | 0.31%   | 0.022% |
| 45 | 15.322 | 2109 | 2114 | 2126 | rVV  | 213232  | 345281  | 15.58%  | 1.116% |
| 46 | 15.410 | 2126 | 2129 | 2138 | rVB4 | 14701   | 22564   | 1.02%   | 0.073% |
| 47 | 15.592 | 2157 | 2160 | 2164 | rVB3 | 3230    | 4251    | 0.19%   | 0.014% |
| 48 | 15.898 | 2209 | 2212 | 2215 | rBV3 | 7411    | 10748   | 0.49%   | 0.035% |
| 49 | 16.063 | 2237 | 2240 | 2244 | rBV3 | 3706    | 5850    | 0.26%   | 0.019% |
| 50 | 16.121 | 2248 | 2250 | 2253 | rVB3 | 4720    | 3607    | 0.16%   | 0.012% |
| 51 | 16.245 | 2268 | 2271 | 2275 | rVV3 | 2650    | 4917    | 0.22%   | 0.016% |
| 52 | 16.298 | 2278 | 2280 | 2284 | rVV4 | 2596    | 3603    | 0.16%   | 0.012% |
| 53 | 16.345 | 2284 | 2288 | 2296 | rVV7 | 8598    | 17965   | 0.81%   | 0.058% |
| 54 | 16.480 | 2307 | 2311 | 2318 | rBV3 | 12477   | 17659   | 0.80%   | 0.057% |
| 55 | 16.710 | 2343 | 2350 | 2354 | rBV5 | 6865    | 16217   | 0.73%   | 0.052% |
| 56 | 16.839 | 2368 | 2372 | 2379 | rBV4 | 23383   | 35456   | 1.60%   | 0.115% |
| 57 | 16.921 | 2380 | 2386 | 2394 | rVV2 | 1500435 | 2215961 | 100.00% | 7.162% |
| 58 | 16.980 | 2394 | 2396 | 2397 | rVV2 | 8898    | 8185    | 0.37%   | 0.026% |
| 59 | 17.021 | 2397 | 2403 | 2415 | rVV2 | 1165459 | 1704817 | 76.93%  | 5.510% |
| 60 | 17.121 | 2415 | 2420 | 2422 | rVV3 | 6752    | 12590   | 0.57%   | 0.041% |
| 61 | 17.151 | 2424 | 2425 | 2430 | rVB4 | 7020    | 6982    | 0.32%   | 0.023% |
| 62 | 17.327 | 2446 | 2455 | 2462 | rBV3 | 38601   | 75751   | 3.42%   | 0.245% |
| 63 | 17.427 | 2469 | 2472 | 2475 | rBV3 | 5625    | 6347    | 0.29%   | 0.021% |
| 64 | 17.574 | 2495 | 2497 | 2499 | rBV3 | 3100    | 3470    | 0.16%   | 0.011% |
| 65 | 17.610 | 2499 | 2503 | 2506 | rVB4 | 9405    | 12336   | 0.56%   | 0.040% |
| 66 | 17.721 | 2517 | 2522 | 2525 | rVV4 | 17458   | 29665   | 1.34%   | 0.096% |
| 67 | 17.774 | 2528 | 2531 | 2535 | rBV5 | 11493   | 14870   | 0.67%   | 0.048% |
| 68 | 17.839 | 2535 | 2542 | 2559 | rBV  | 477849  | 705133  | 31.82%  | 2.279% |
| 69 | 18.133 | 2588 | 2592 | 2599 | rBV7 | 11924   | 23635   | 1.07%   | 0.076% |
| 70 | 18.268 | 2613 | 2615 | 2619 | rVB4 | 7474    | 8479    | 0.38%   | 0.027% |
| 71 | 18.327 | 2623 | 2625 | 2631 | rVV3 | 9806    | 13151   | 0.59%   | 0.043% |

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Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

## 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-BM121318MA.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 18.392 | 2635 | 2636 | 2638 | rVV2 | 6142    | 4678    | 0.21%  | 0.015% |
| 73  | 18.427 | 2640 | 2642 | 2643 | rVV2 | 3922    | 3418    | 0.15%  | 0.011% |
| 74  | 18.710 | 2685 | 2690 | 2697 | rBV  | 161402  | 246136  | 11.11% | 0.795% |
| 75  | 18.768 | 2697 | 2700 | 2705 | rVB5 | 11549   | 15313   | 0.69%  | 0.049% |
| 76  | 18.862 | 2713 | 2716 | 2717 | rBV3 | 7284    | 6506    | 0.29%  | 0.021% |
| 77  | 18.921 | 2724 | 2726 | 2727 | rBV2 | 4677    | 4457    | 0.20%  | 0.014% |
| 78  | 18.980 | 2730 | 2736 | 2738 | rBV2 | 31918   | 57796   | 2.61%  | 0.187% |
| 79  | 19.009 | 2738 | 2741 | 2744 | rVB2 | 22775   | 26448   | 1.19%  | 0.085% |
| 80  | 19.133 | 2757 | 2762 | 2771 | rBV  | 205044  | 314847  | 14.21% | 1.018% |
| 81  | 19.221 | 2774 | 2777 | 2782 | rVV  | 18354   | 23864   | 1.08%  | 0.077% |
| 82  | 19.280 | 2783 | 2787 | 2790 | rVV2 | 71279   | 81016   | 3.66%  | 0.262% |
| 83  | 19.333 | 2790 | 2796 | 2805 | rVV  | 1427163 | 1995709 | 90.06% | 6.450% |
| 84  | 19.392 | 2805 | 2806 | 2809 | rVB2 | 8382    | 6522    | 0.29%  | 0.021% |
| 85  | 19.874 | 2884 | 2888 | 2890 | rBV4 | 21367   | 27466   | 1.24%  | 0.089% |
| 86  | 20.227 | 2944 | 2948 | 2953 | rBV6 | 23512   | 43684   | 1.97%  | 0.141% |
| 87  | 20.339 | 2963 | 2967 | 2971 | rBV2 | 69598   | 80193   | 3.62%  | 0.259% |
| 88  | 20.862 | 3052 | 3056 | 3062 | rBV  | 465749  | 627443  | 28.31% | 2.028% |
| 89  | 21.145 | 3098 | 3104 | 3109 | rBV  | 1668339 | 2207320 | 99.61% | 7.134% |
| 90  | 21.303 | 3129 | 3131 | 3135 | rVB4 | 34278   | 39788   | 1.80%  | 0.129% |
| 91  | 21.727 | 3200 | 3203 | 3206 | rBV2 | 101432  | 125849  | 5.68%  | 0.407% |
| 92  | 22.174 | 3275 | 3279 | 3283 | rBV2 | 123140  | 153823  | 6.94%  | 0.497% |
| 93  | 22.292 | 3296 | 3299 | 3306 | rVB3 | 66826   | 92295   | 4.17%  | 0.298% |
| 94  | 22.656 | 3357 | 3361 | 3366 | rBV  | 282893  | 359434  | 16.22% | 1.162% |
| 95  | 23.168 | 3442 | 3448 | 3459 | rVB  | 742222  | 1567150 | 70.72% | 5.065% |
| 96  | 23.303 | 3464 | 3471 | 3482 | rVB  | 952830  | 1704133 | 76.90% | 5.508% |
| 97  | 23.797 | 3550 | 3555 | 3563 | rVB  | 346359  | 589674  | 26.61% | 1.906% |
| 98  | 23.892 | 3566 | 3571 | 3579 | rVB2 | 264697  | 555070  | 25.05% | 1.794% |
| 99  | 24.497 | 3668 | 3674 | 3683 | rBV3 | 325177  | 737684  | 33.29% | 2.384% |
| 100 | 25.309 | 3807 | 3812 | 3819 | rBV2 | 159954  | 387699  | 17.50% | 1.253% |

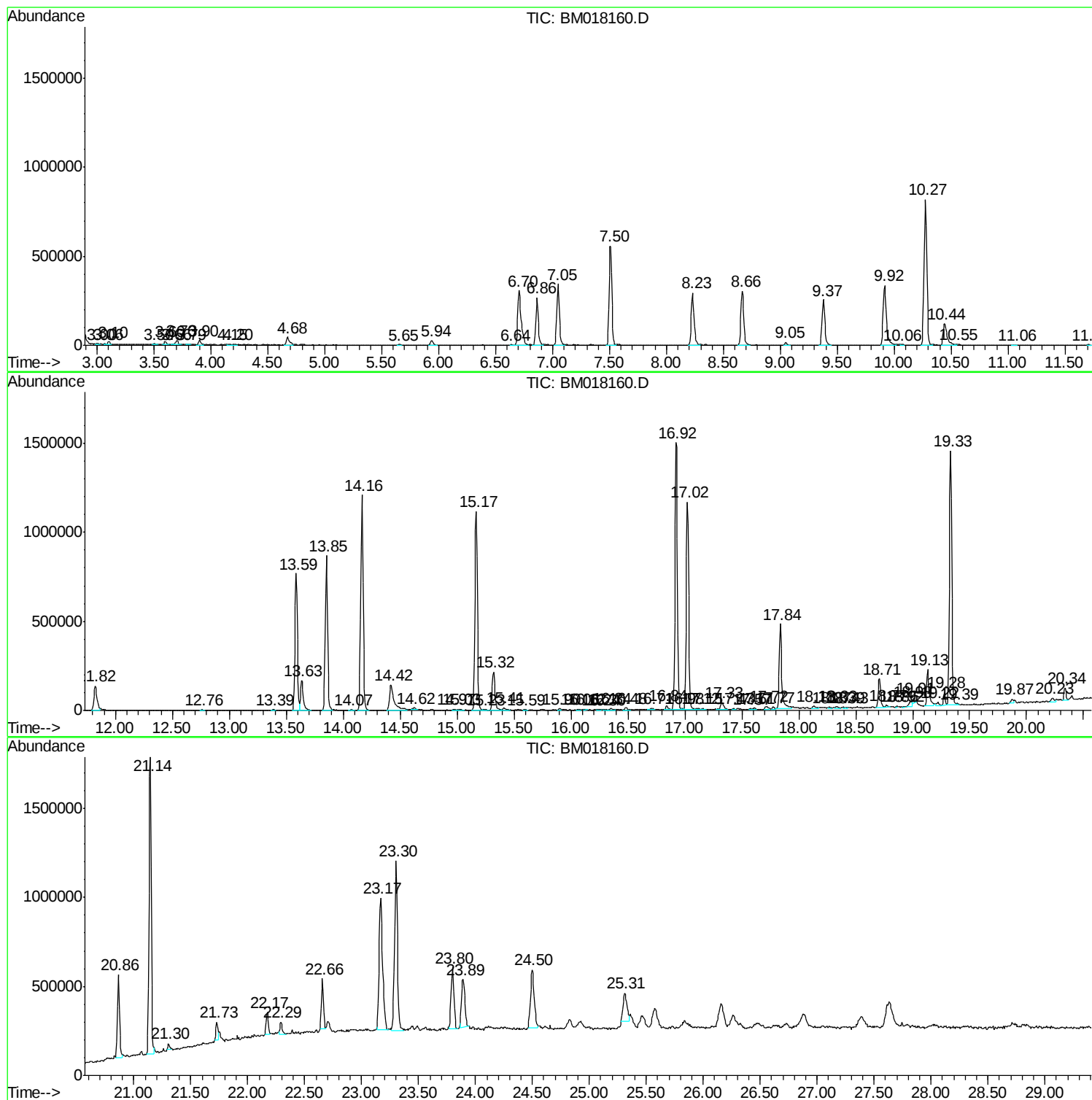
Sum of corrected areas: 30941520

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Instrument :  
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ClientSampled :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
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ALS Vial : 28 Sample Multiplier: 1

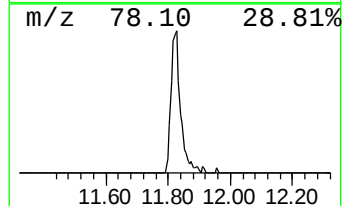
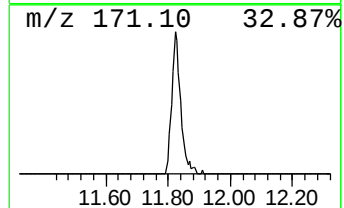
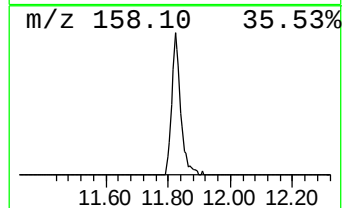
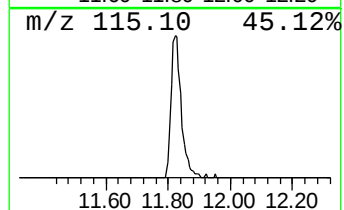
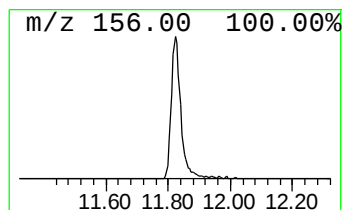
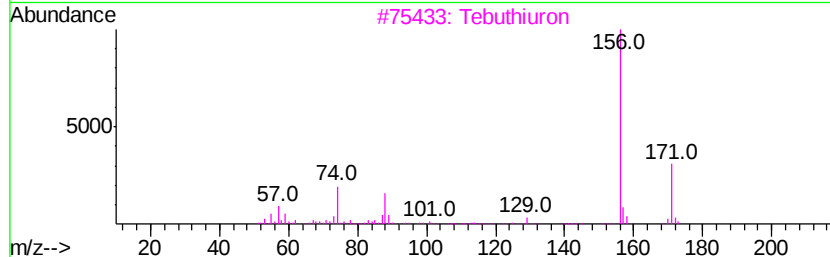
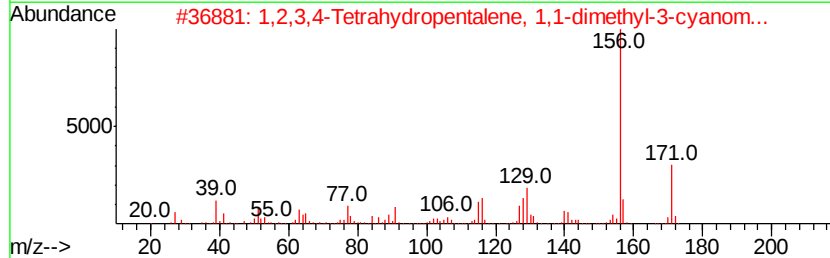
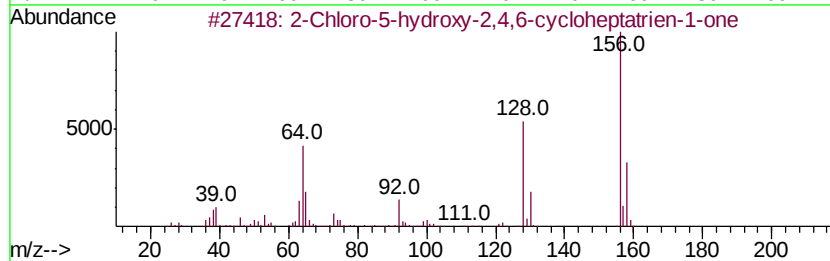
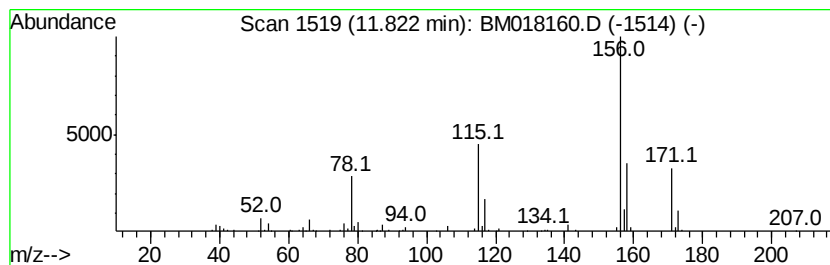
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 unknown-01 Concentration Rank 8

| R.T.  | EstConc                             | Area   | Relative to ISTD | R.T.         |         |      |      |
|-------|-------------------------------------|--------|------------------|--------------|---------|------|------|
| 11.82 | 3.81 ng/ul                          | 262556 | Napthalene-d8    | 10.27        |         |      |      |
| Hit#  | of                                  | 5      | Tentative ID     | MW           | MolForm | CAS# | Qual |
| 1     | 2-Chloro-5-hydroxy-2,4,6-cyclohe... | 156    | C7H5ClO2         | 007009-16-7  | 43      |      |      |
| 2     | 1,2,3,4-Tetrahydropentalene, 1,1... | 171    | C12H13N          | 1000217-18-6 | 37      |      |      |
| 3     | Tebuthiuron                         | 228    | C9H16N4OS        | 034014-18-1  | 37      |      |      |
| 4     | 6-Isopropylquinoline                | 171    | C12H13N          | 000135-79-5  | 37      |      |      |
| 5     | Benzene, 1-chloro-4-methoxy-2-me... | 156    | C8H9ClO          | 013334-71-9  | 32      |      |      |



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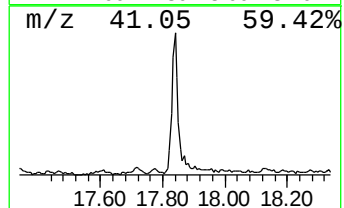
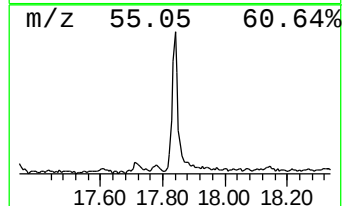
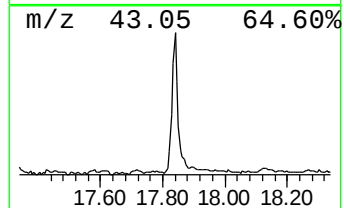
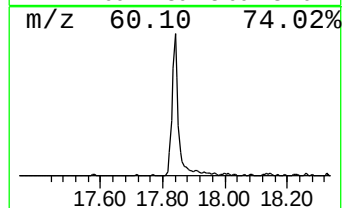
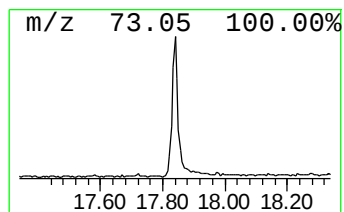
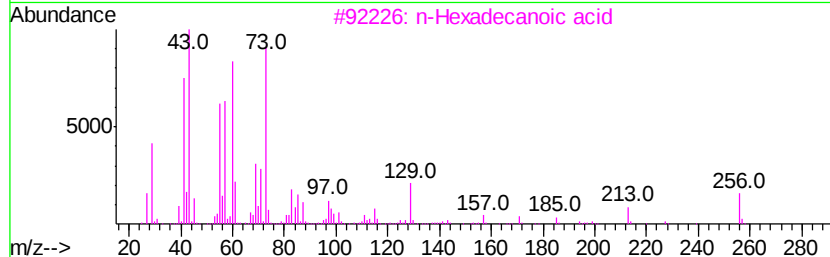
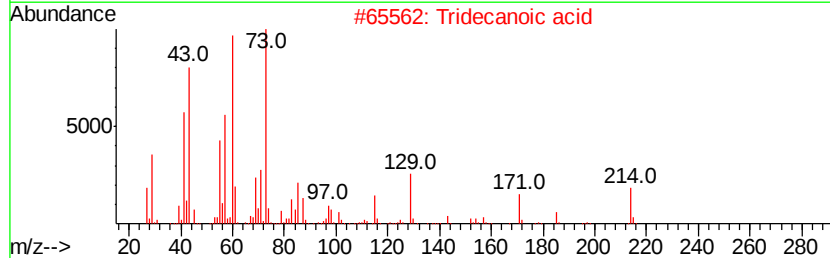
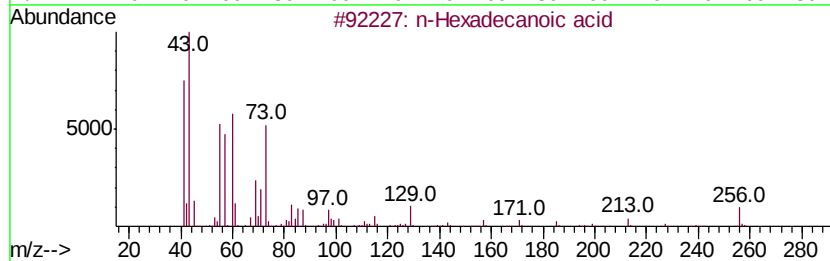
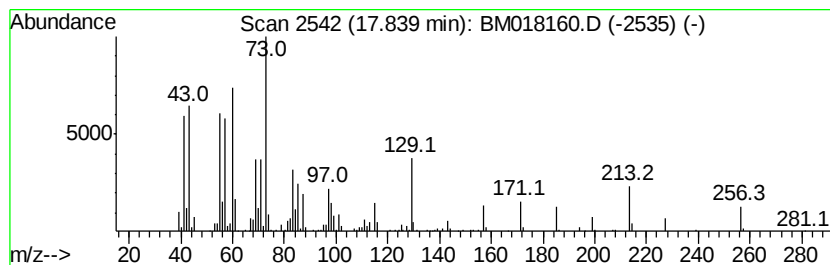
Instrument :  
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD    |     | R.T.     |             |      |
|-------|------------|--------|---------------------|-----|----------|-------------|------|
| 17.84 | 6.36 ng/ul | 705133 | Phenanthrene-d10    |     | 16.92    |             |      |
| Hit#  | of         | 5      | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
| 1     |            |        | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3     |            |        | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81   |
| 4     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |
| 5     |            |        | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

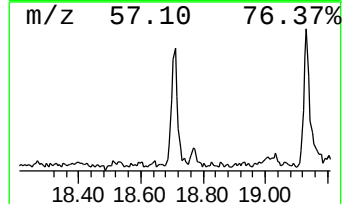
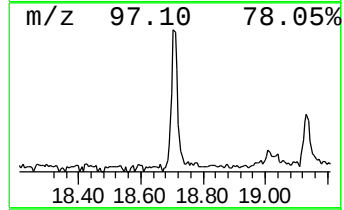
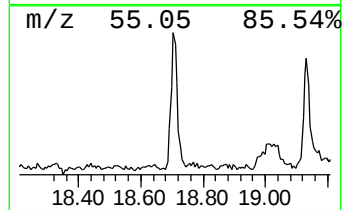
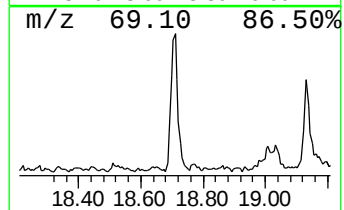
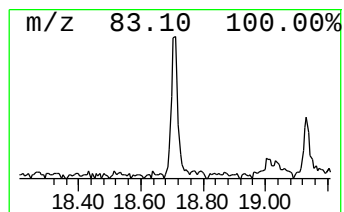
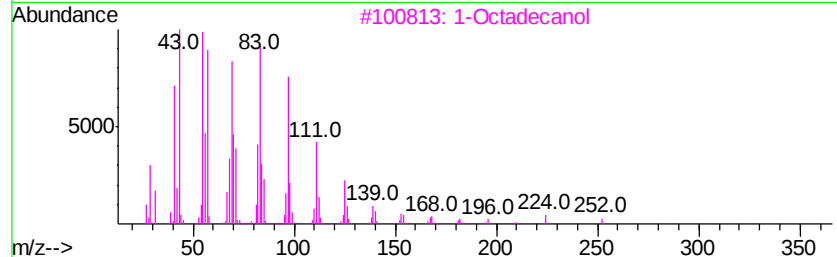
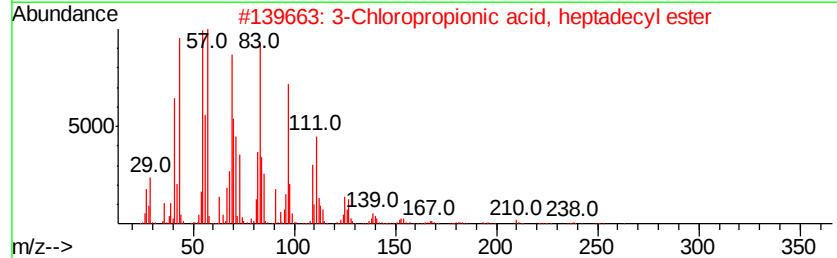
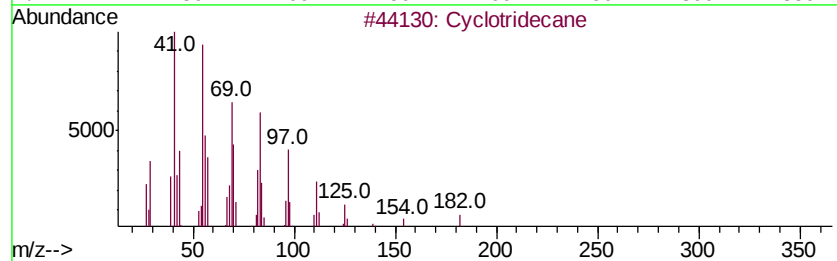
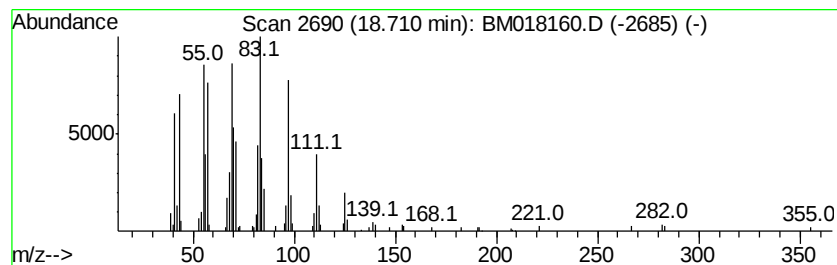
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic18.71 Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.71 | 2.22 ng/ul | 246136 | Phenanthrene-d10 | 16.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclotridecane                      | 182 | C13H26     | 000295-02-3  | 92   |
| 2    |    | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 91   |
| 3    |    | 1-Octadecanol                       | 270 | C18H38O    | 000112-92-5  | 91   |
| 4    |    | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8  | 91   |
| 5    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2 | 018992-03-5  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

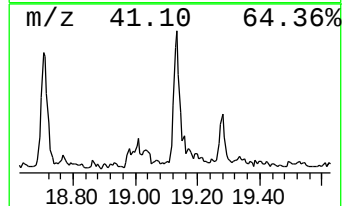
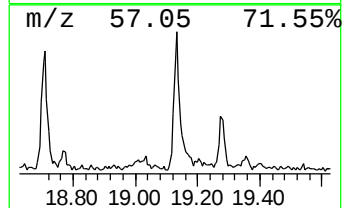
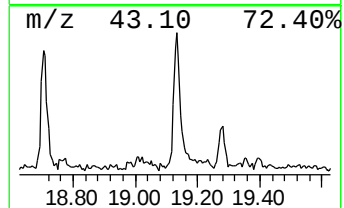
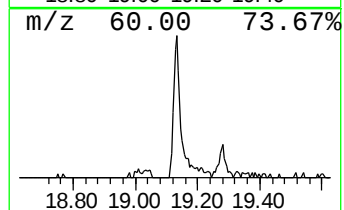
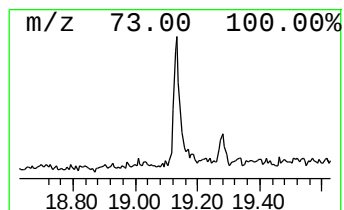
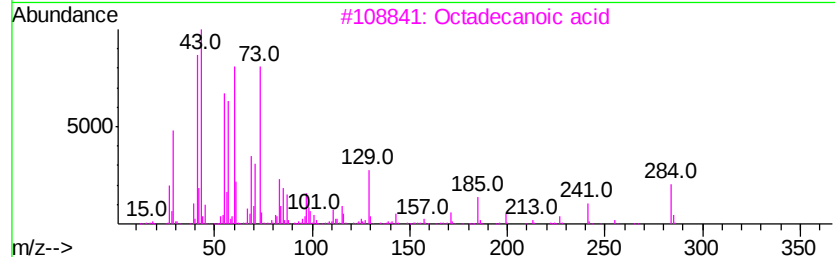
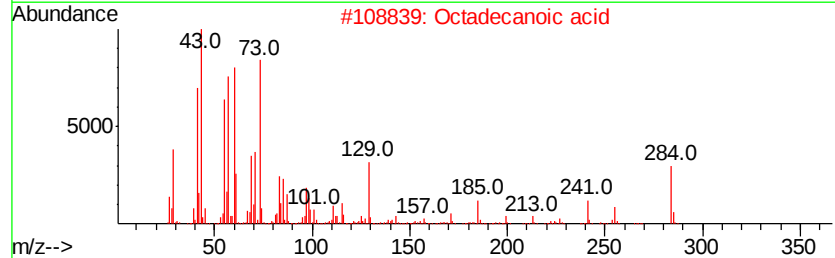
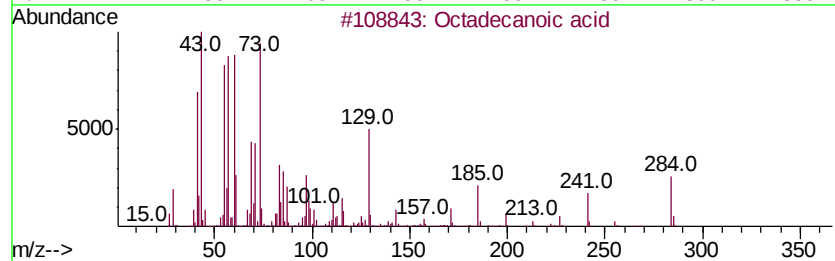
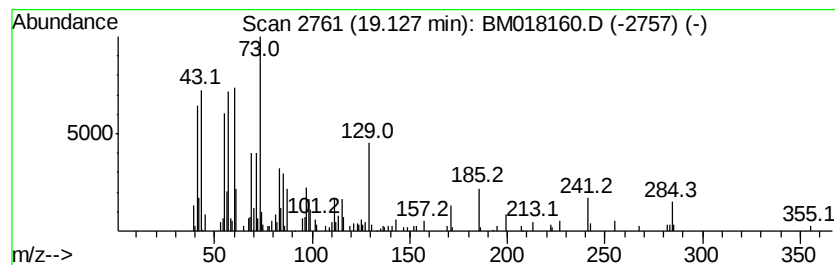
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Octadecanoic acid Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.13 | 2.85 ng/ul | 314847 | Chrysene-d12     | 21.14 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 3    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 4    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 93   |
| 5    |    |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

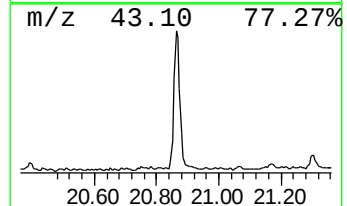
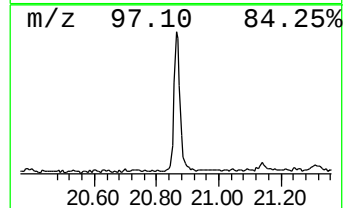
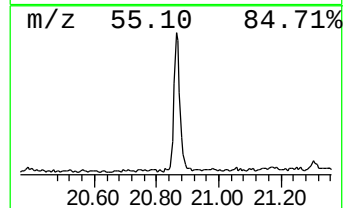
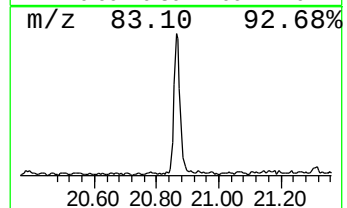
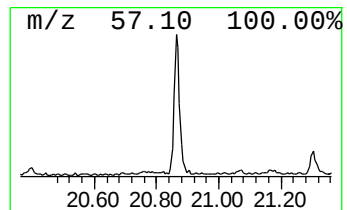
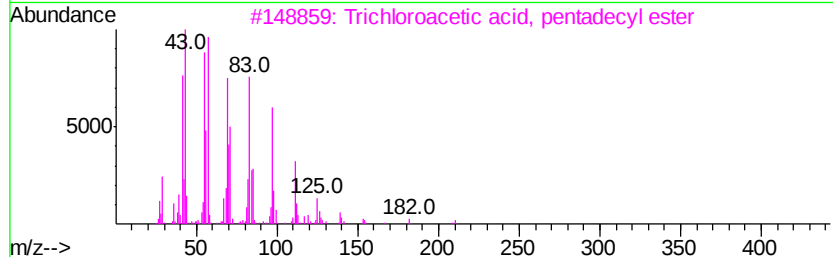
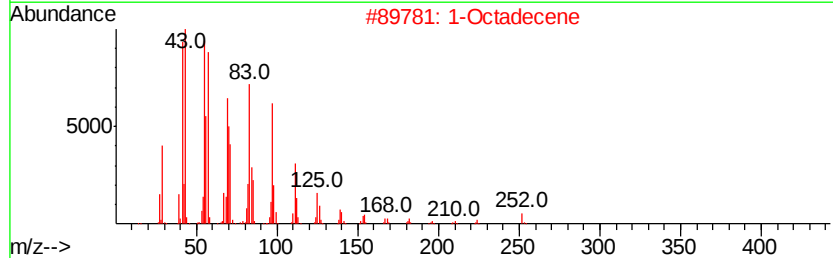
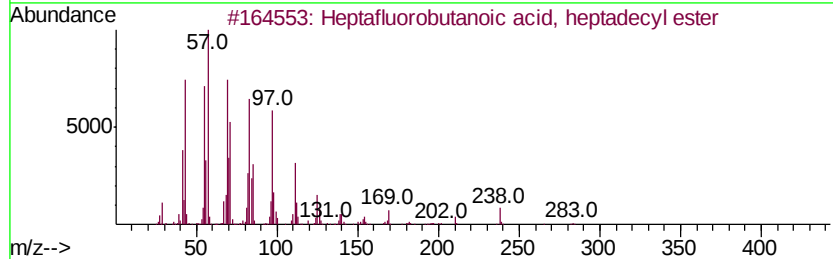
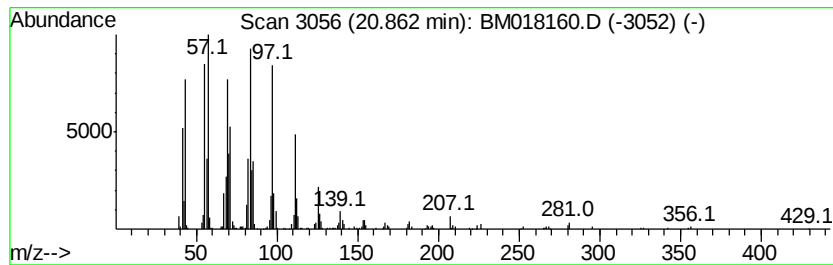
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptafluorobutanoic acid, h... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.86 | 5.69 ng/ul | 627443 | Chrysene-d12     | 21.14 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 94   |
| 2       |   | 1-Octadecene                        | 252 | C18H36      | 000112-88-9  | 91   |
| 3       |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 91   |
| 4       |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9  | 91   |
| 5       |   | 2-Chloropropionic acid, octadec...  | 360 | C21H41ClO2  | 088104-31-8  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

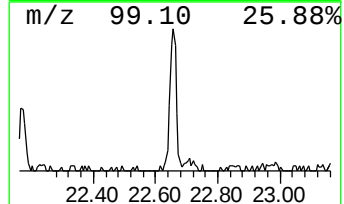
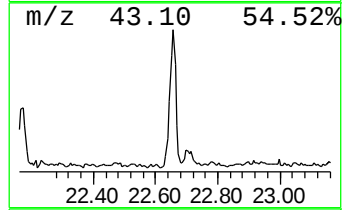
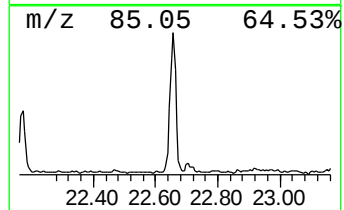
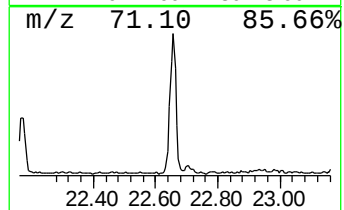
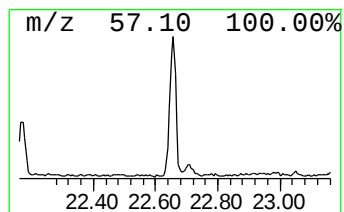
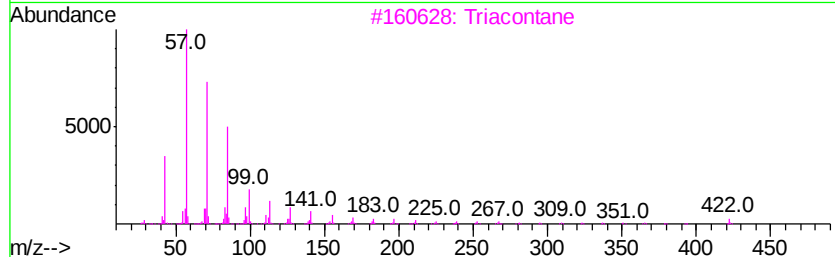
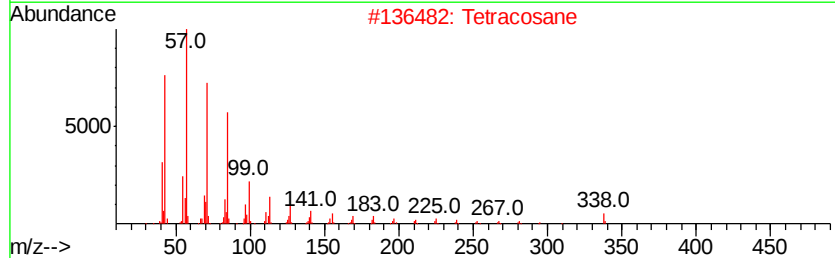
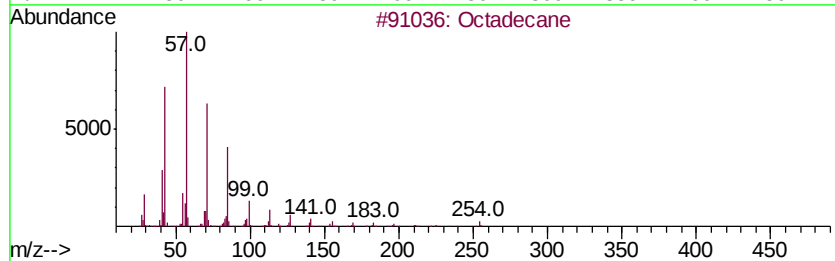
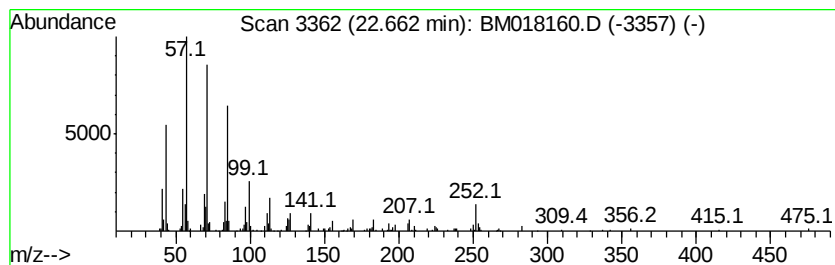
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.66 | 4.22 ng/ul | 359434 | Perylene-d12     | 23.30 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane         | 254 | C18H38  | 000593-45-3 | 91   |
| 2    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1 | 91   |
| 3    |    |   | triacontane        | 422 | C30H62  | 000638-68-6 | 91   |
| 4    |    |   | Tetratriacontane   | 479 | C34H70  | 014167-59-0 | 91   |
| 5    |    |   | Eicosane, 7-hexyl- | 366 | C26H54  | 055333-99-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

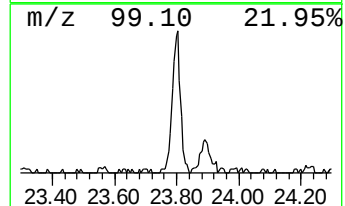
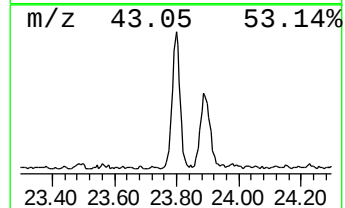
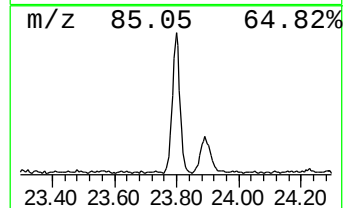
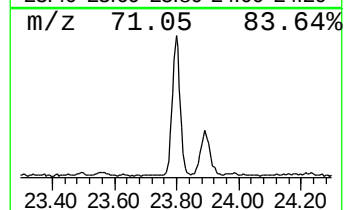
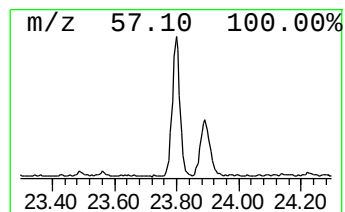
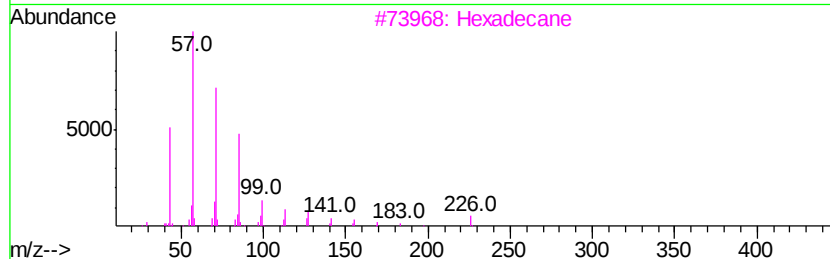
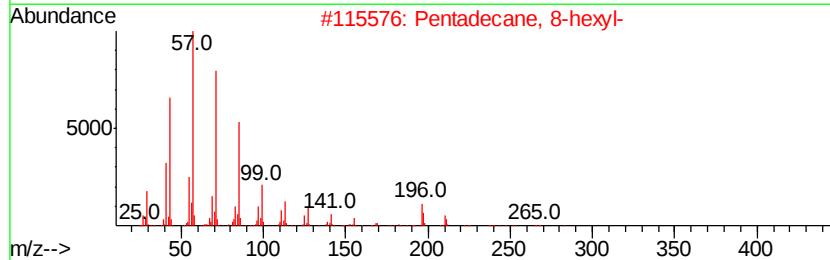
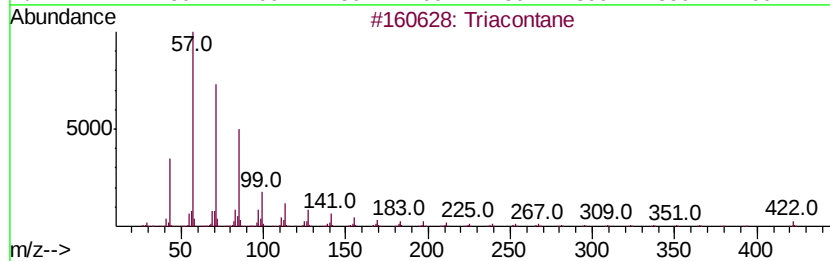
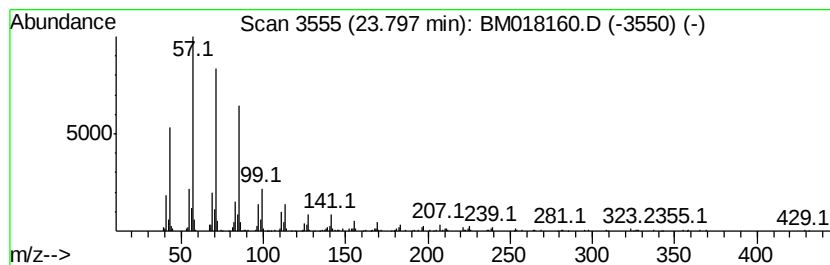
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.80 | 6.92 ng/ul | 589674 | Perylene-d12     | 23.30 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |
| 2    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 91   |
| 3    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 90   |
| 4    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

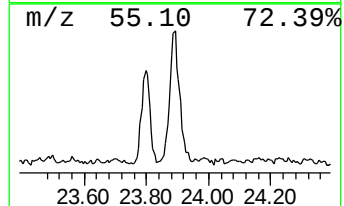
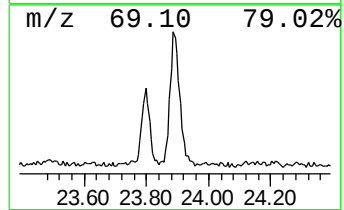
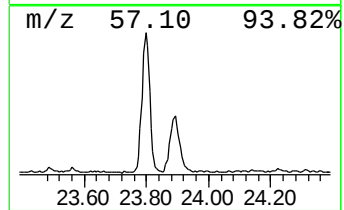
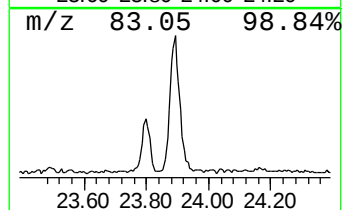
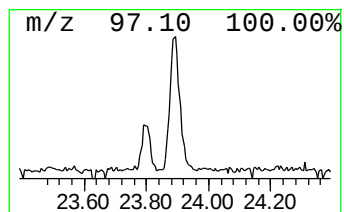
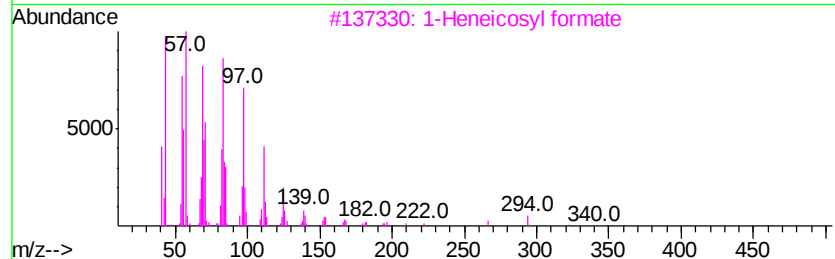
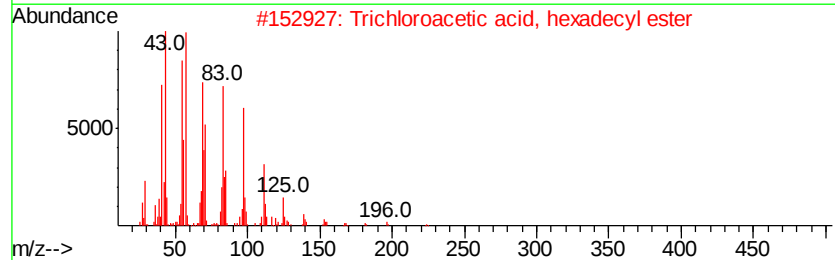
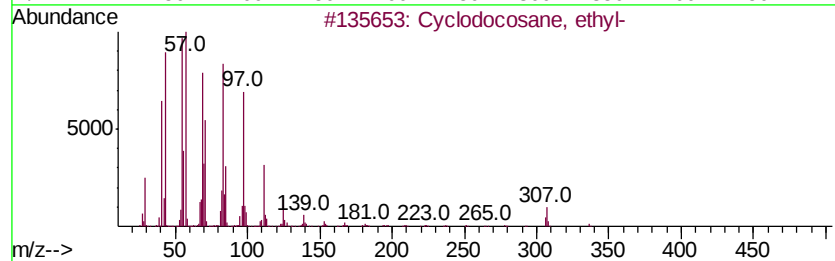
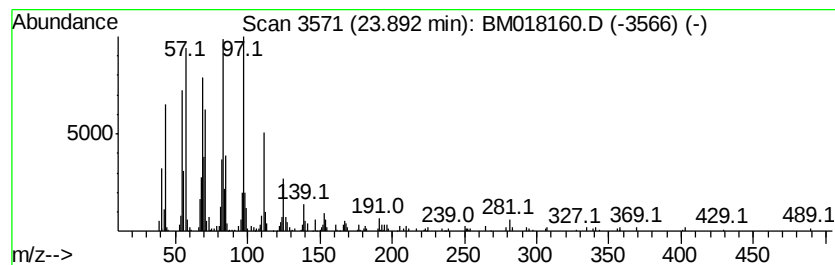
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Cyclic23.89 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.89 | 6.51 ng/ul | 555070 | Perylene-d12     | 23.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cyclodocosane, ethyl-               | 336 | C24H48      | 1000151-22-6 | 91   |
| 2    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 86   |
| 3    |    | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 80   |
| 4    |    | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8  | 76   |
| 5    |    | 1-Triacontanol                      | 438 | C30H62O     | 000593-50-0  | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

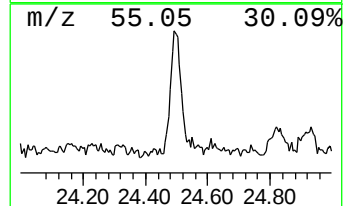
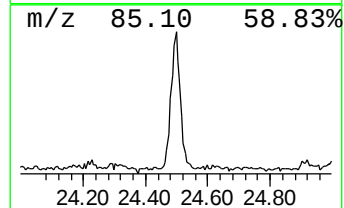
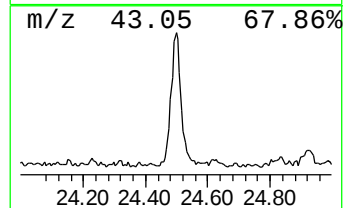
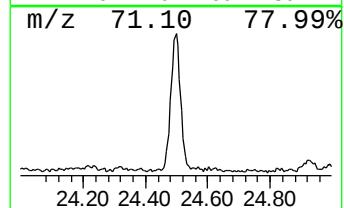
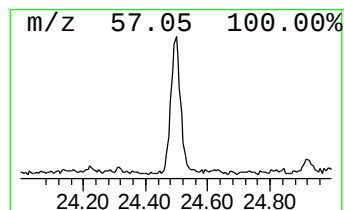
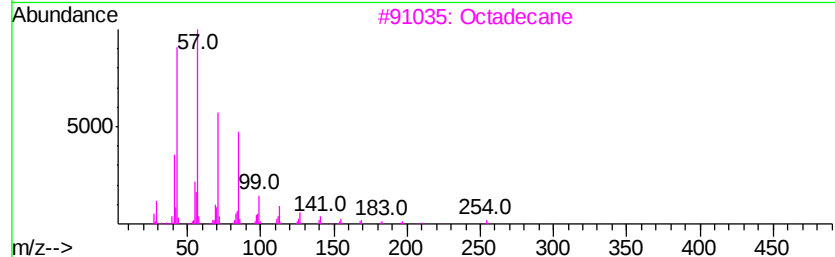
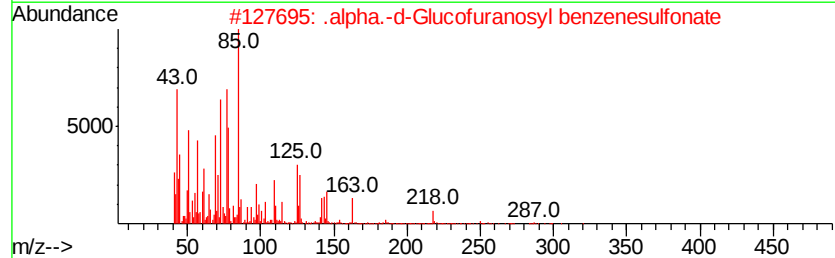
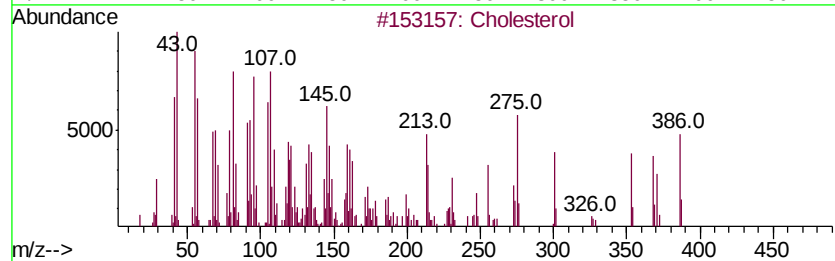
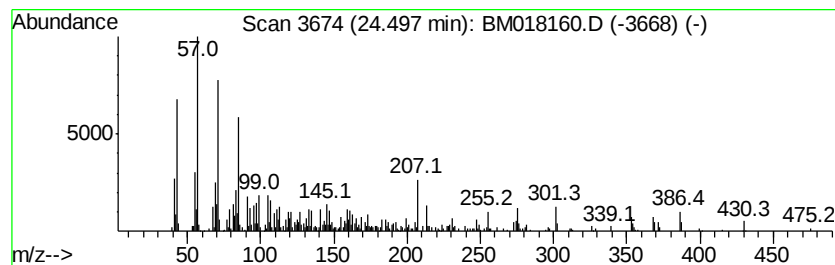
Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 9 Cholesterol Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 24.50   | 8.66 ng/ul                          | 737684       | Perylene-d12     | 23.30           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Cholesterol                         |              | 386 C27H46O      | 000057-88-5 92  |
| 2       | .alpha.-d-Glucofuranosyl benzene... |              | 320 C12H16O8S    | 1000125-84-4 90 |
| 3       | Octadecane                          |              | 254 C18H38       | 000593-45-3 60  |
| 4       | Docosane, 11-decyl-                 |              | 451 C32H66       | 055401-55-3 60  |
| 5       | Hexadecane, 7,9-dimethyl-           |              | 254 C18H38       | 021164-95-4 60  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\  
Data File : BM018160.D  
Acq On : 14 Dec 2018 10:01  
Operator : JU/SJ  
Sample : J6236-16  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.M  
Quant Title : SVOA CALIBRATION

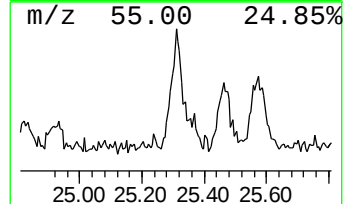
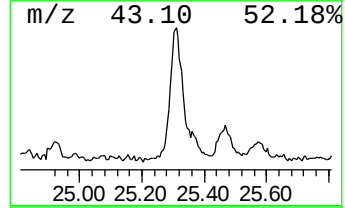
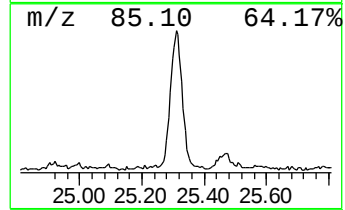
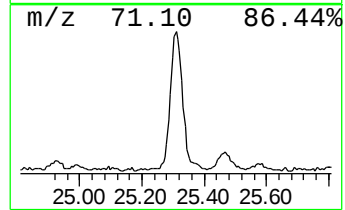
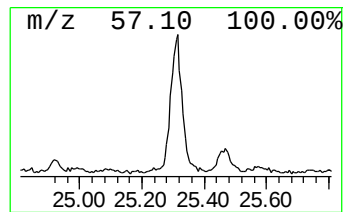
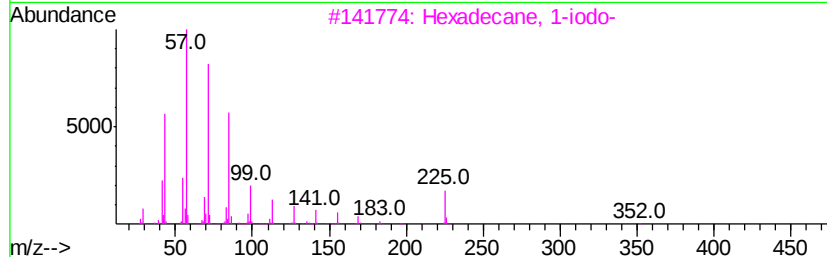
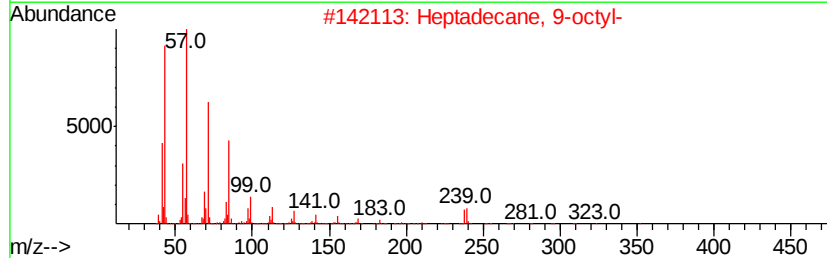
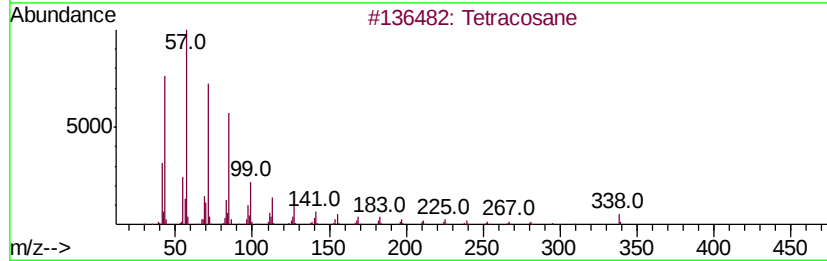
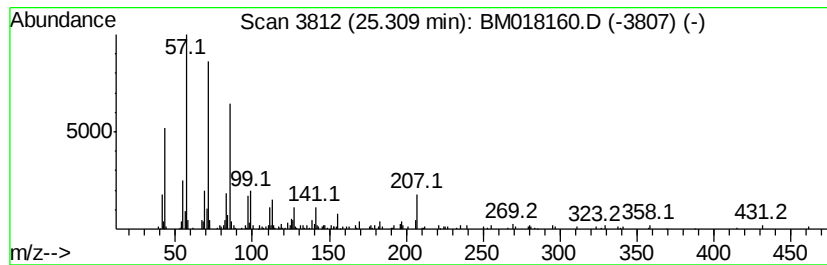
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.31 | 4.55 ng/ul | 387699 | Perylene-d12     | 23.30 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 90   |
| 2    |    |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 87   |
| 3    |    |   | Hexadecane, 1-iodo-    | 352 | C16H33I | 000544-77-4 | 87   |
| 4    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 87   |
| 5    |    |   | Pentadecane, 8-hexyl-  | 296 | C21H44  | 013475-75-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121318\  
 Data File : BM018160.D  
 Acq On : 14 Dec 2018 10:01  
 Operator : JU/SJ  
 Sample : J6236-16  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9F16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121318MA.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 |
| unknown-01           | 11.82 | 3.8     | ng/ul | 262556   | 2                     | 10.27 | 1377450 | 20.0 |
| n-Hexadecanoic acid  | 17.84 | 6.4     | ng/ul | 705133   | 4                     | 16.92 | 2215960 | 20.0 |
| (DEL) Alkane: Cyc... | 18.71 | 2.2     | ng/ul | 246136   | 4                     | 16.92 | 2215960 | 20.0 |
| Octadecanoic acid    | 19.13 | 2.9     | ng/ul | 314847   | 5                     | 21.14 | 2207320 | 20.0 |
| Heptafluorobutano... | 20.86 | 5.7     | ng/ul | 627443   | 5                     | 21.14 | 2207320 | 20.0 |
| (DEL) Alkane: Str... | 22.66 | 4.2     | ng/ul | 359434   | 6                     | 23.30 | 1704130 | 20.0 |
| (DEL) Alkane: Str... | 23.80 | 6.9     | ng/ul | 589674   | 6                     | 23.30 | 1704130 | 20.0 |
| (DEL) Alkane: Cyc... | 23.89 | 6.5     | ng/ul | 555070   | 6                     | 23.30 | 1704130 | 20.0 |
| Cholesterol          | 24.50 | 8.7     | ng/ul | 737684   | 6                     | 23.30 | 1704130 | 20.0 |
| (DEL) Alkane: Str... | 25.31 | 4.5     | ng/ul | 387699   | 6                     | 23.30 | 1704130 | 20.0 |