

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\  
 Data File : BG042104.D  
 Acq On : 9 Aug 2019 16:18  
 Operator : HP/JU  
 Sample : K4041-08  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BENT2

## 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\_G\METHODS\SOM-EPA-BG080319MA.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         | 3.153       | 6             | 11          | 34           | rVB      | 1456304        | 2348388       | 100.00%         | 14.941%       |
| 2         | 3.418       | 53            | 56          | 60           | rBV4     | 6741           | 8731          | 0.37%           | 0.056%        |
| 3         | 3.453       | 60            | 62          | 65           | rVB3     | 2842           | 2526          | 0.11%           | 0.016%        |
| 4         | 4.088       | 165           | 170         | 178          | rVB      | 10575          | 17707         | 0.75%           | 0.113%        |
| 5         | 4.182       | 183           | 186         | 191          | rVB3     | 2334           | 3131          | 0.13%           | 0.020%        |
| 6         | 5.110       | 342           | 344         | 349          | rBV2     | 1488           | 2752          | 0.12%           | 0.018%        |
| 7         | 7.202       | 693           | 700         | 717          | rBV2     | 123569         | 274181        | 11.68%          | 1.744%        |
| 8         | 7.366       | 720           | 728         | 743          | rVV      | 95686          | 173638        | 7.39%           | 1.105%        |
| 9         | 7.578       | 757           | 764         | 777          | rVV      | 140768         | 256867        | 10.94%          | 1.634%        |
| 10        | 8.048       | 837           | 844         | 855          | rBV      | 207134         | 349165        | 14.87%          | 2.221%        |
| 11        | 8.759       | 958           | 965         | 978          | rBV2     | 154217         | 300517        | 12.80%          | 1.912%        |
| 12        | 9.211       | 1034          | 1042        | 1055         | rBV      | 127545         | 237554        | 10.12%          | 1.511%        |
| 13        | 9.940       | 1159          | 1166        | 1175         | rBV2     | 114920         | 208985        | 8.90%           | 1.330%        |
| 14        | 10.492      | 1251          | 1260        | 1272         | rBV      | 168431         | 343700        | 14.64%          | 2.187%        |
| 15        | 10.868      | 1314          | 1324        | 1336         | rBV      | 294036         | 528089        | 22.49%          | 3.360%        |
| 16        | 10.997      | 1339          | 1346        | 1362         | rBV      | 141723         | 296436        | 12.62%          | 1.886%        |
| 17        | 12.466      | 1590          | 1596        | 1603         | rVB4     | 2862           | 5864          | 0.25%           | 0.037%        |
| 18        | 13.312      | 1735          | 1740        | 1745         | rBV3     | 1759           | 3119          | 0.13%           | 0.020%        |
| 19        | 13.594      | 1784          | 1788        | 1792         | rVB      | 1696           | 2418          | 0.10%           | 0.015%        |
| 20        | 14.099      | 1867          | 1874        | 1878         | rBV      | 335719         | 532626        | 22.68%          | 3.389%        |
| 21        | 14.146      | 1878          | 1882        | 1892         | rVB      | 92699          | 144391        | 6.15%           | 0.919%        |
| 22        | 14.393      | 1914          | 1924        | 1932         | rBV      | 412885         | 661505        | 28.17%          | 4.209%        |
| 23        | 14.699      | 1969          | 1976        | 1991         | rVB      | 491232         | 775289        | 33.01%          | 4.933%        |
| 24        | 14.899      | 2002          | 2010        | 2021         | rBV      | 58819          | 145034        | 6.18%           | 0.923%        |
| 25        | 15.110      | 2042          | 2046        | 2053         | rVB3     | 5641           | 9667          | 0.41%           | 0.062%        |
| 26        | 15.498      | 2109          | 2112        | 2116         | rBV3     | 2802           | 3036          | 0.13%           | 0.019%        |
| 27        | 15.692      | 2138          | 2145        | 2154         | rBV      | 543953         | 851297        | 36.25%          | 5.416%        |
| 28        | 15.809      | 2159          | 2165        | 2172         | rBV      | 96558          | 168379        | 7.17%           | 1.071%        |
| 29        | 15.933      | 2183          | 2186        | 2191         | rVB2     | 6407           | 7641          | 0.33%           | 0.049%        |
| 30        | 16.479      | 2275          | 2279        | 2284         | rVB3     | 2203           | 3552          | 0.15%           | 0.023%        |
| 31        | 17.372      | 2426          | 2431        | 2433         | rBV3     | 1981           | 2858          | 0.12%           | 0.018%        |
| 32        | 17.448      | 2437          | 2444        | 2453         | rVV      | 616261         | 933155        | 39.74%          | 5.937%        |
| 33        | 17.542      | 2454          | 2460        | 2473         | rVB2     | 590975         | 929007        | 39.56%          | 5.911%        |
| 34        | 18.347      | 2591          | 2597        | 2604         | rBV6     | 10451          | 25602         | 1.09%           | 0.163%        |

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|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 18.412 | 2606 | 2608 | 2613 | rVB3 | 3216   | 3807    | 0.16%  | 0.024% |
| 36 | 18.535 | 2625 | 2629 | 2633 | rBV4 | 2016   | 3048    | 0.13%  | 0.019% |
| 37 | 18.641 | 2643 | 2647 | 2651 | rVV6 | 3712   | 6330    | 0.27%  | 0.040% |
| 38 | 19.099 | 2722 | 2725 | 2727 | rBV3 | 2403   | 3230    | 0.14%  | 0.021% |
| 39 | 19.199 | 2741 | 2742 | 2747 | rBV5 | 1971   | 2776    | 0.12%  | 0.018% |
| 40 | 19.264 | 2750 | 2753 | 2758 | rVB5 | 4135   | 6482    | 0.28%  | 0.041% |
| 41 | 19.476 | 2784 | 2789 | 2791 | rBV2 | 8791   | 14499   | 0.62%  | 0.092% |
| 42 | 19.722 | 2827 | 2831 | 2835 | rBV  | 7600   | 9683    | 0.41%  | 0.062% |
| 43 | 19.834 | 2843 | 2850 | 2859 | rBV  | 793791 | 1174112 | 50.00% | 7.470% |
| 44 | 20.369 | 2932 | 2941 | 2945 | rBV  | 17092  | 45572   | 1.94%  | 0.290% |
| 45 | 20.862 | 3022 | 3025 | 3028 | rBV5 | 13126  | 14052   | 0.60%  | 0.089% |
| 46 | 21.373 | 3107 | 3112 | 3124 | rBV  | 83551  | 163064  | 6.94%  | 1.037% |
| 47 | 21.732 | 3166 | 3173 | 3180 | rBV  | 634849 | 1091492 | 46.48% | 6.944% |
| 48 | 21.937 | 3204 | 3208 | 3211 | rVB3 | 19327  | 29439   | 1.25%  | 0.187% |
| 49 | 22.554 | 3309 | 3313 | 3319 | rVB  | 50788  | 80250   | 3.42%  | 0.511% |
| 50 | 23.265 | 3429 | 3434 | 3439 | rBV3 | 37633  | 68532   | 2.92%  | 0.436% |
| 51 | 24.094 | 3570 | 3575 | 3584 | rVB2 | 58576  | 116986  | 4.98%  | 0.744% |
| 52 | 24.781 | 3682 | 3692 | 3707 | rVB  | 415057 | 1203575 | 51.25% | 7.658% |
| 53 | 25.004 | 3720 | 3730 | 3740 | rBV2 | 366507 | 1123843 | 47.86% | 7.150% |

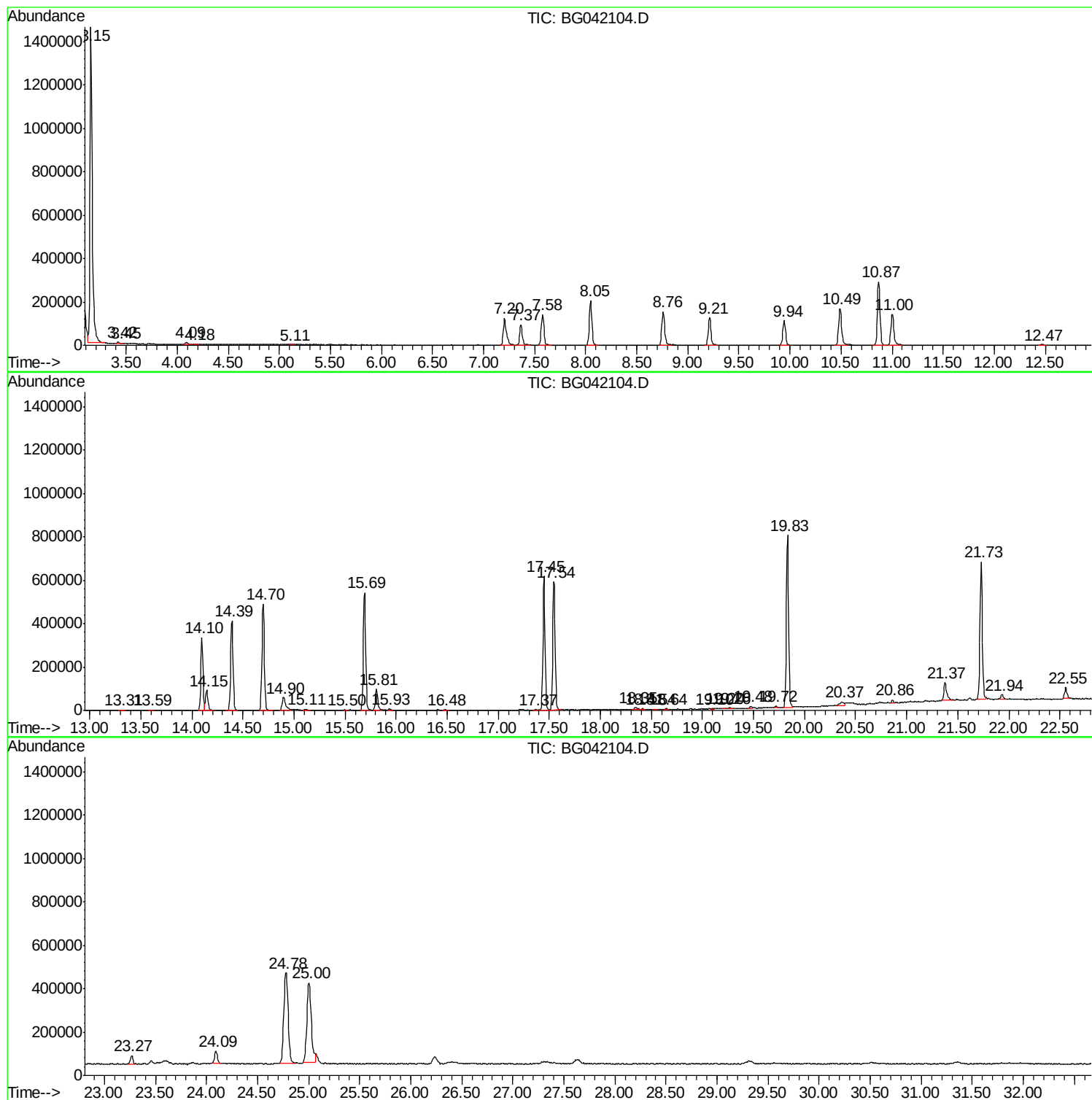
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
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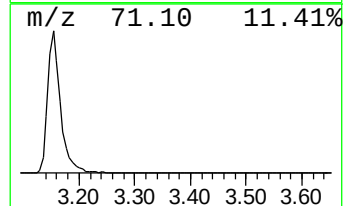
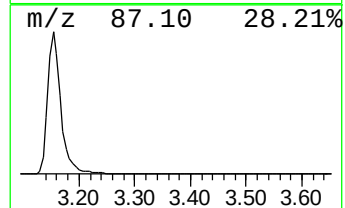
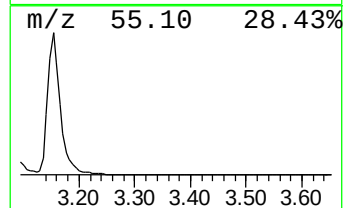
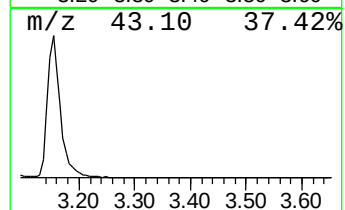
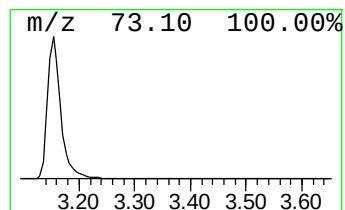
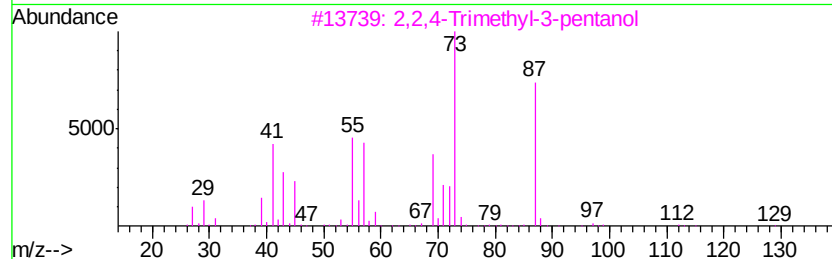
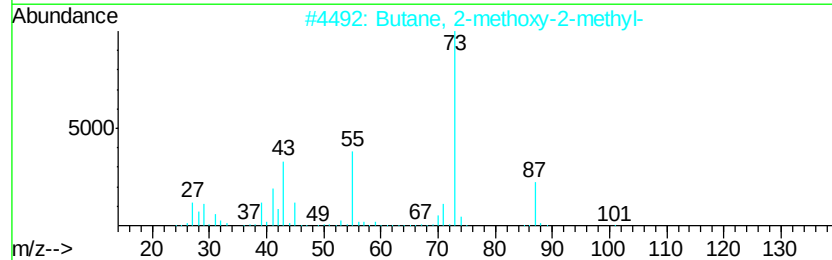
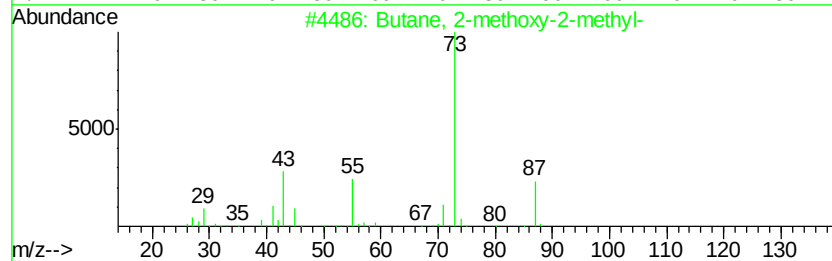
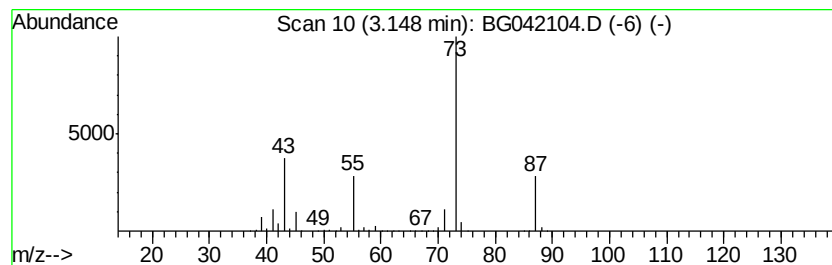
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc      | Area    | Relative to ISTD       | R.T. |
|------|--------------|---------|------------------------|------|
| 3.15 | 134.52 ng/ul | 2348390 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 59   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |



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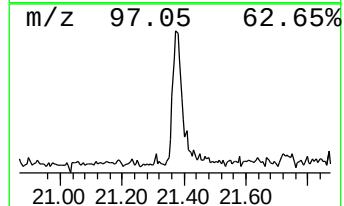
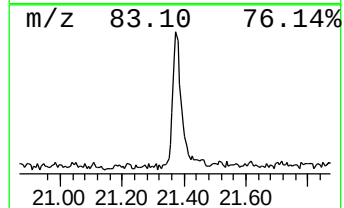
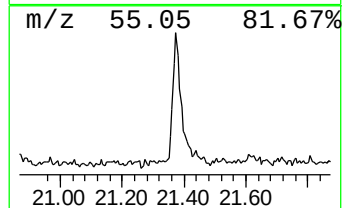
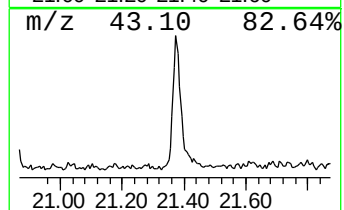
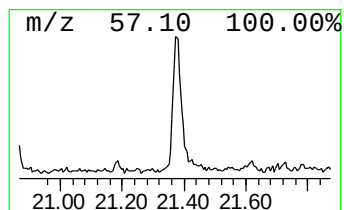
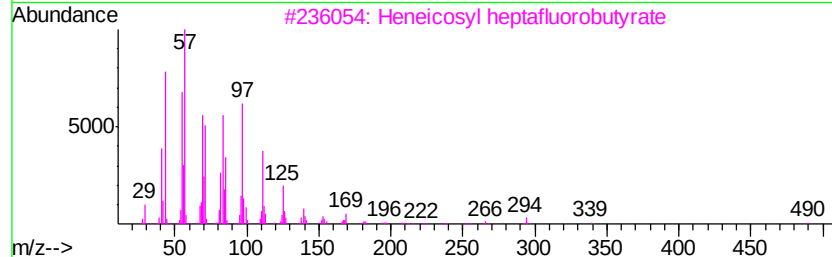
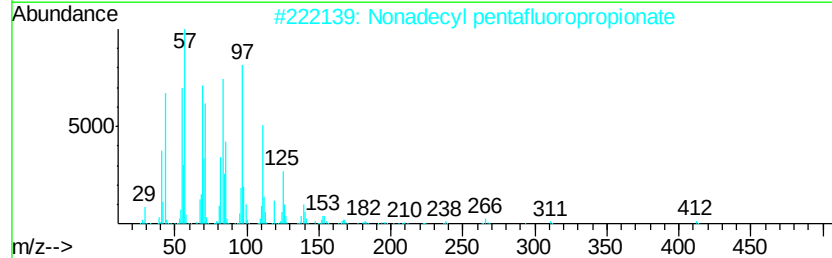
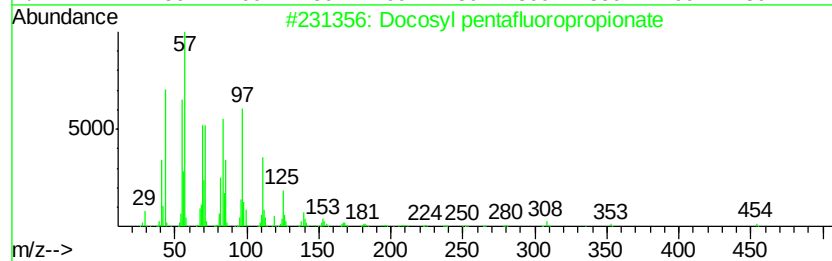
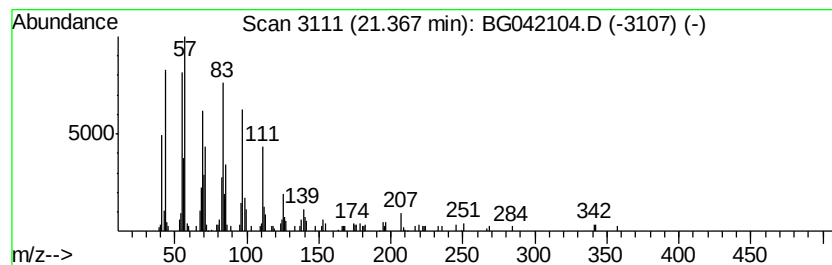
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Docosyl pentafluoropropionate Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|------------|-------------------------------------|------------------|------------|--------------|------|
| 21.37   | 2.99 ng/ul | 163064                              | Chrysene-d12     | 21.73      |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |            | Docosyl pentafluoropropionate       | 472              | C25H45F5O2 | 1000351-80-9 | 95   |
| 2       |            | Nonadecyl pentafluoropropionate     | 430              | C22H39F5O2 | 1000351-88-8 | 94   |
| 3       |            | Heneicosyl heptafluorobutyrate      | 508              | C25H43F7O2 | 1000351-83-8 | 94   |
| 4       |            | Trifluoroacetoxy hexadecane         | 338              | C18H33F3O2 | 006222-03-3  | 93   |
| 5       |            | Pentafluoropropionic acid, hepta... | 402              | C20H35F5O2 | 959218-78-1  | 93   |



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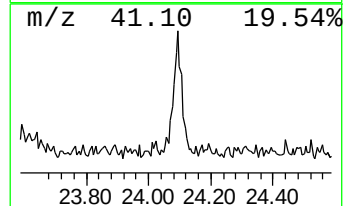
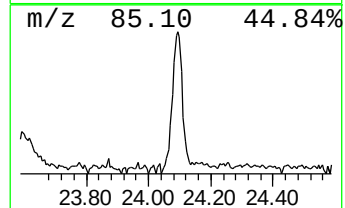
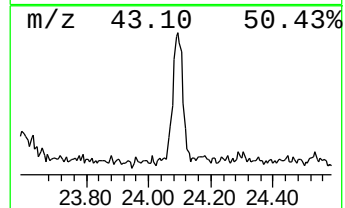
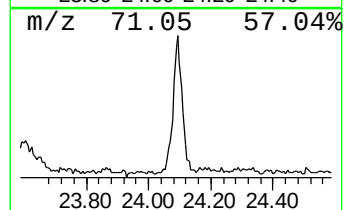
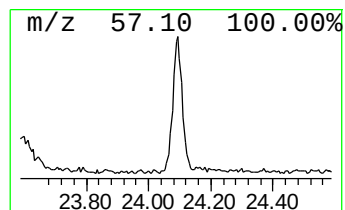
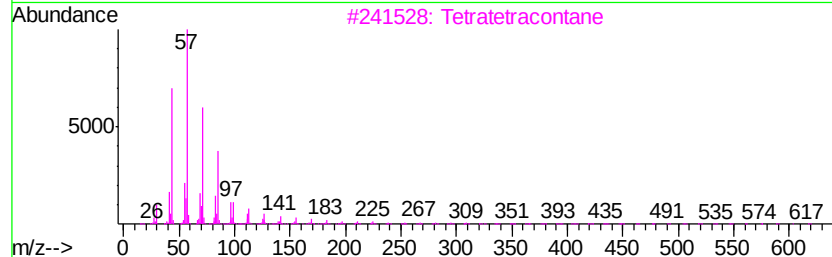
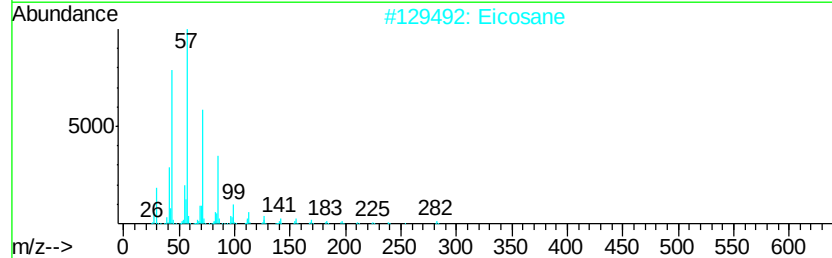
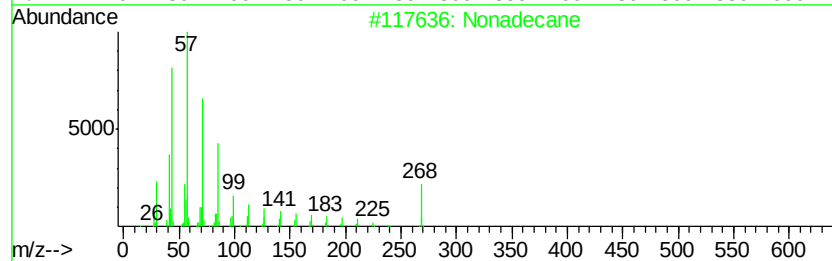
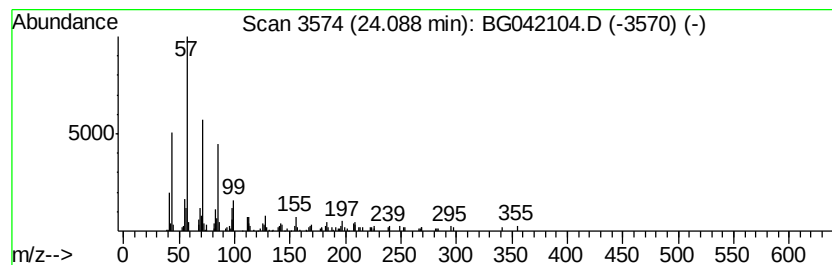
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 Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.09 | 2.08 ng/ul | 116986 | Perylene-d12     | 25.00 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane        | 268 | C19H40  | 000629-92-5 | 95   |
| 2    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 3    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 90   |
| 4    |    | Hexacosane        | 366 | C26H54  | 000630-01-3 | 90   |
| 5    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 90   |



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Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.15  | 134.5   | ng/ul | 2348390  | 1                     | 8.05  | 349165  | 20.0 |
| Docosyl pentafluo... | 21.37 | 3.0     | ng/ul | 163064   | 5                     | 21.73 | 1091490 | 20.0 |
| (DEL) Alkane: Str... | 24.09 | 2.1     | ng/ul | 116986   | 6                     | 25.00 | 1123840 | 20.0 |