

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\  
 Data File : BM022606.D  
 Acq On : 09 Sep 2019 16:41  
 Operator : HP/JU  
 Sample : K4707-02  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0CJ3

## 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-BM090519MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.046    | 5          | 10       | 23        | rVB   | 2659476     | 3880362    | 35.82%       | 4.084%     |
| 2      | 3.305    | 50         | 54       | 68        | rVB   | 72038       | 120481     | 1.11%        | 0.127%     |
| 3      | 3.963    | 161        | 166      | 172       | rVB   | 19356       | 33116      | 0.31%        | 0.035%     |
| 4      | 4.052    | 177        | 181      | 190       | rVB   | 15449       | 23899      | 0.22%        | 0.025%     |
| 5      | 7.010    | 678        | 684      | 702       | rVB2  | 293775      | 540861     | 4.99%        | 0.569%     |
| 6      | 7.181    | 706        | 713      | 726       | rBV   | 942152      | 1510206    | 13.94%       | 1.590%     |
| 7      | 7.387    | 740        | 748      | 759       | rBV   | 1036268     | 1663751    | 15.36%       | 1.751%     |
| 8      | 7.851    | 818        | 827      | 836       | rBV   | 1192409     | 1876899    | 17.33%       | 1.976%     |
| 9      | 7.922    | 836        | 839      | 844       | rVB4  | 7414        | 11348      | 0.10%        | 0.012%     |
| 10     | 8.551    | 939        | 946      | 960       | rBV   | 816209      | 1303718    | 12.04%       | 1.372%     |
| 11     | 9.004    | 1016       | 1023     | 1036      | rBV   | 1228049     | 1972306    | 18.21%       | 2.076%     |
| 12     | 9.469    | 1097       | 1102     | 1107      | rVB   | 21589       | 32301      | 0.30%        | 0.034%     |
| 13     | 9.728    | 1139       | 1146     | 1156      | rBV   | 892797      | 1452646    | 13.41%       | 1.529%     |
| 14     | 10.145   | 1209       | 1217     | 1223      | rBV4  | 8961        | 15708      | 0.15%        | 0.017%     |
| 15     | 10.263   | 1230       | 1237     | 1249      | rBV   | 1536021     | 2465589    | 22.76%       | 2.595%     |
| 16     | 10.645   | 1293       | 1302     | 1310      | rBV   | 1704242     | 2858691    | 26.39%       | 3.009%     |
| 17     | 10.775   | 1317       | 1324     | 1333      | rVB   | 134854      | 227918     | 2.10%        | 0.240%     |
| 18     | 11.963   | 1522       | 1526     | 1531      | rVB3  | 11445       | 15083      | 0.14%        | 0.016%     |
| 19     | 12.233   | 1567       | 1572     | 1578      | rVB   | 26095       | 38631      | 0.36%        | 0.041%     |
| 20     | 13.292   | 1747       | 1752     | 1756      | rBV2  | 23467       | 35322      | 0.33%        | 0.037%     |
| 21     | 13.486   | 1775       | 1785     | 1791      | rBV5  | 9034        | 21473      | 0.20%        | 0.023%     |
| 22     | 13.892   | 1846       | 1854     | 1859      | rBV   | 3177239     | 4327267    | 39.95%       | 4.555%     |
| 23     | 13.939   | 1859       | 1862     | 1870      | rVB   | 193672      | 253798     | 2.34%        | 0.267%     |
| 24     | 14.174   | 1895       | 1902     | 1910      | rBV   | 3534877     | 5148563    | 47.53%       | 5.419%     |
| 25     | 14.486   | 1948       | 1955     | 1965      | rBV   | 2777425     | 4074713    | 37.62%       | 4.289%     |
| 26     | 14.657   | 1978       | 1984     | 1992      | rBV   | 323275      | 481043     | 4.44%        | 0.506%     |
| 27     | 14.898   | 2020       | 2025     | 2030      | rVB6  | 14206       | 19141      | 0.18%        | 0.020%     |
| 28     | 15.351   | 2097       | 2102     | 2107      | rVB4  | 8140        | 12676      | 0.12%        | 0.013%     |
| 29     | 15.474   | 2116       | 2123     | 2133      | rBV   | 4774633     | 6725907    | 62.09%       | 7.080%     |
| 30     | 15.580   | 2134       | 2141     | 2158      | rVV   | 1301674     | 1794743    | 16.57%       | 1.889%     |
| 31     | 15.716   | 2158       | 2164     | 2169      | rVB   | 50769       | 73528      | 0.68%        | 0.077%     |
| 32     | 16.257   | 2252       | 2256     | 2262      | rVB3  | 17245       | 25563      | 0.24%        | 0.027%     |
| 33     | 17.004   | 2379       | 2383     | 2389      | rBV4  | 14865       | 25310      | 0.23%        | 0.027%     |
| 34     | 17.221   | 2413       | 2420     | 2430      | rBV2  | 3364749     | 4851257    | 44.79%       | 5.106%     |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 17.321 | 2430 | 2437 | 2448 | rBV  | 5938876 | 8647811  | 79.83%  | 9.103%  |
| 36 | 18.115 | 2567 | 2572 | 2581 | rBV  | 158343  | 218968   | 2.02%   | 0.230%  |
| 37 | 18.186 | 2581 | 2584 | 2590 | rVB  | 16220   | 23145    | 0.21%   | 0.024%  |
| 38 | 18.309 | 2602 | 2605 | 2609 | rBV3 | 7221    | 11646    | 0.11%   | 0.012%  |
| 39 | 18.427 | 2621 | 2625 | 2631 | rBV3 | 24773   | 32668    | 0.30%   | 0.034%  |
| 40 | 18.586 | 2648 | 2652 | 2658 | rVB4 | 39704   | 49859    | 0.46%   | 0.052%  |
| 41 | 19.056 | 2729 | 2732 | 2735 | rBV  | 24722   | 25052    | 0.23%   | 0.026%  |
| 42 | 19.245 | 2759 | 2764 | 2767 | rBV  | 69521   | 91317    | 0.84%   | 0.096%  |
| 43 | 19.392 | 2786 | 2789 | 2795 | rBV  | 59121   | 83702    | 0.77%   | 0.088%  |
| 44 | 19.492 | 2802 | 2806 | 2811 | rBV  | 65711   | 87070    | 0.80%   | 0.092%  |
| 45 | 19.609 | 2819 | 2826 | 2833 | rBV  | 8264453 | 10698873 | 98.77%  | 11.261% |
| 46 | 19.668 | 2833 | 2836 | 2841 | rVB5 | 31840   | 44124    | 0.41%   | 0.046%  |
| 47 | 20.168 | 2918 | 2921 | 2925 | rVB  | 87322   | 89589    | 0.83%   | 0.094%  |
| 48 | 20.662 | 3002 | 3005 | 3009 | rVB  | 164768  | 158747   | 1.47%   | 0.167%  |
| 49 | 21.121 | 3078 | 3083 | 3089 | rBV2 | 371313  | 593553   | 5.48%   | 0.625%  |
| 50 | 21.392 | 3124 | 3129 | 3135 | rBV  | 4720910 | 5805581  | 53.60%  | 6.111%  |
| 51 | 21.562 | 3154 | 3158 | 3162 | rBV  | 373380  | 406680   | 3.75%   | 0.428%  |
| 52 | 22.003 | 3230 | 3233 | 3241 | rVB  | 404988  | 482980   | 4.46%   | 0.508%  |
| 53 | 22.480 | 3310 | 3314 | 3320 | rBV  | 475297  | 624140   | 5.76%   | 0.657%  |
| 54 | 23.003 | 3399 | 3403 | 3413 | rVB  | 499469  | 733252   | 6.77%   | 0.772%  |
| 55 | 23.539 | 3486 | 3494 | 3500 | rBV  | 5825988 | 10832314 | 100.00% | 11.402% |
| 56 | 23.591 | 3500 | 3503 | 3510 | rVV  | 509622  | 865926   | 7.99%   | 0.911%  |
| 57 | 23.680 | 3511 | 3518 | 3529 | rVB2 | 3073054 | 5811651  | 53.65%  | 6.117%  |
| 58 | 24.268 | 3614 | 3618 | 3625 | rVB  | 371007  | 671922   | 6.20%   | 0.707%  |

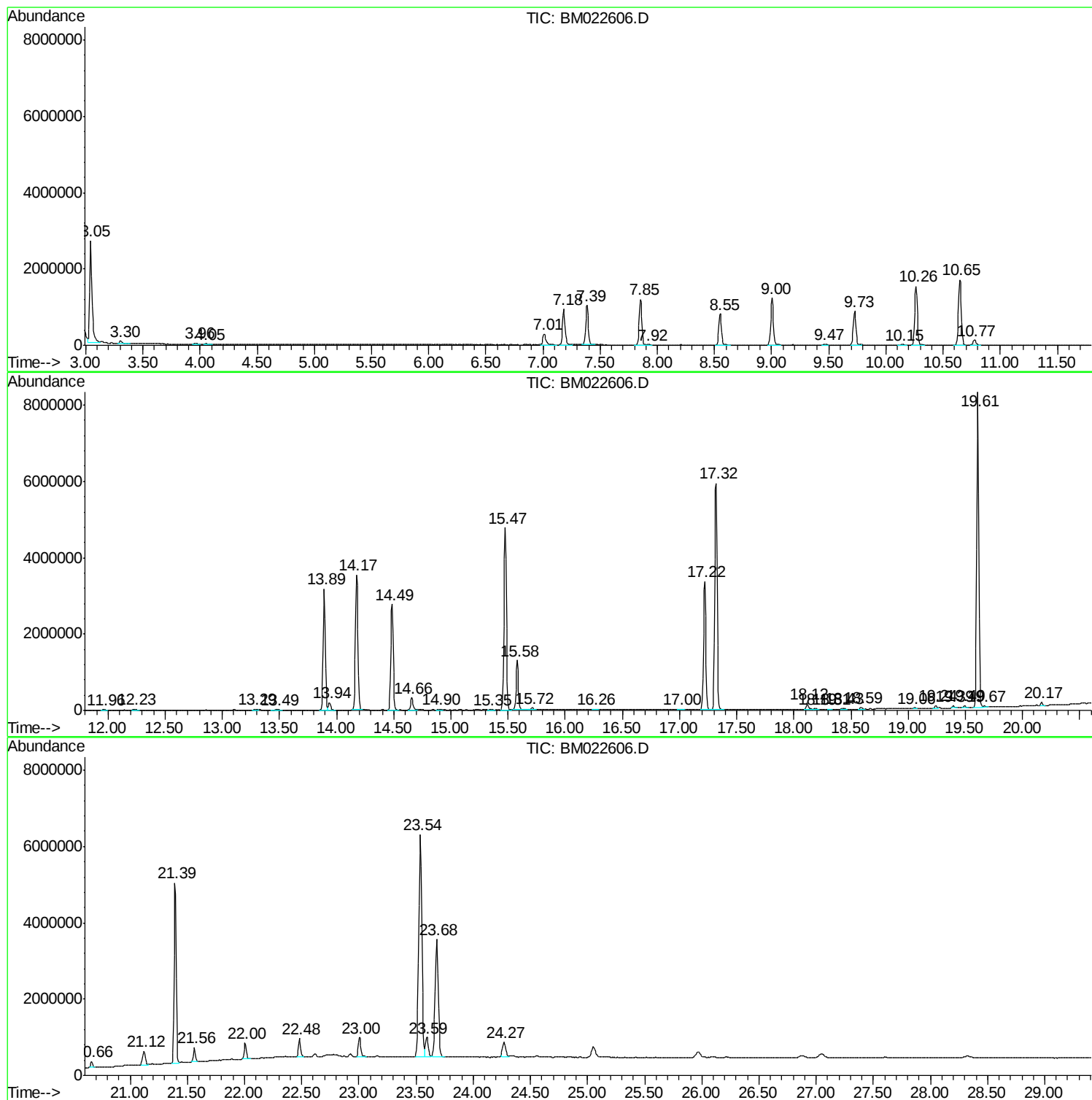
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

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



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Sample : K4707-02  
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Instrument :  
BNA\_M  
ClientSampleId :  
C0CJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

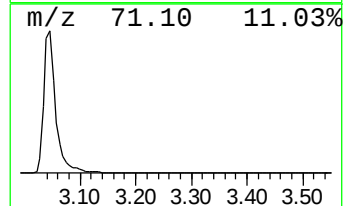
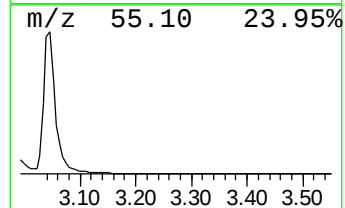
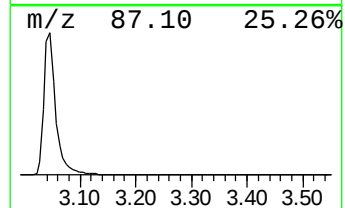
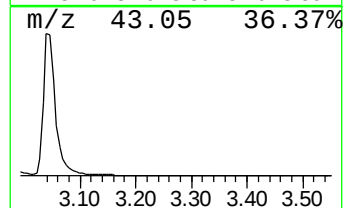
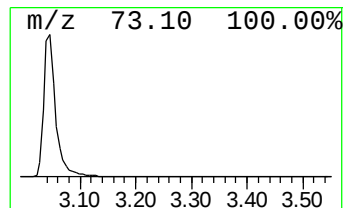
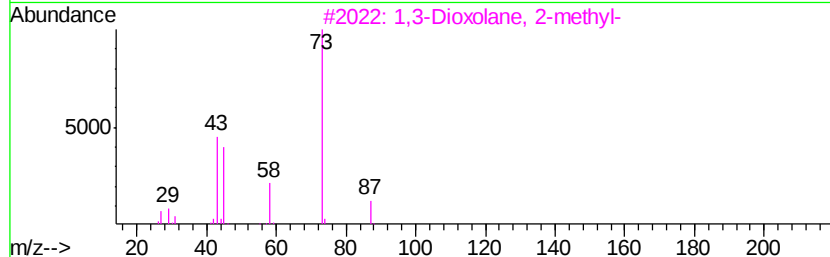
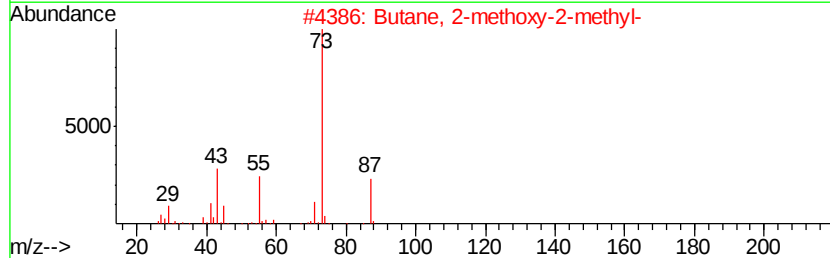
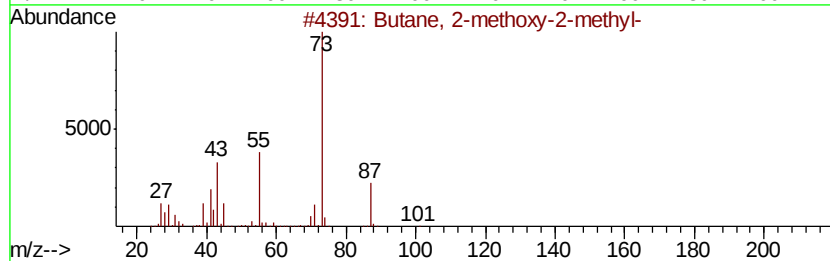
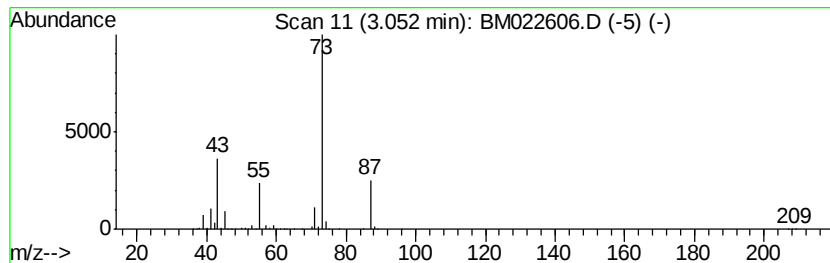
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.05 | 41.35 ng/ul | 3880360 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



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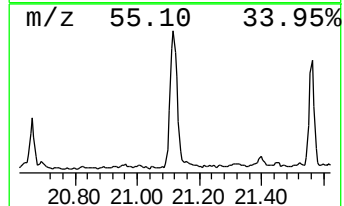
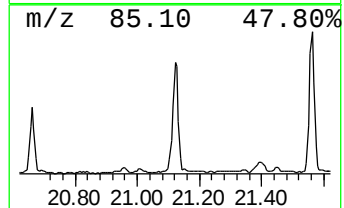
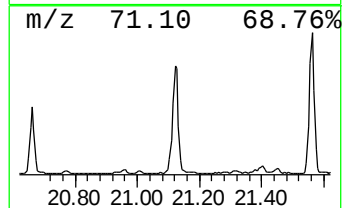
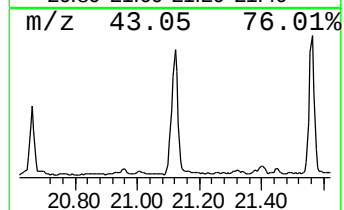
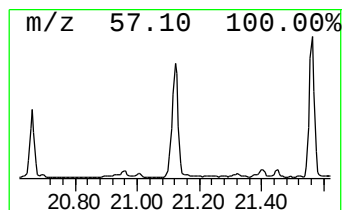
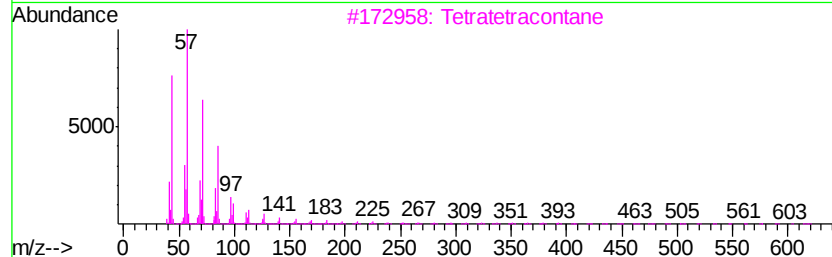
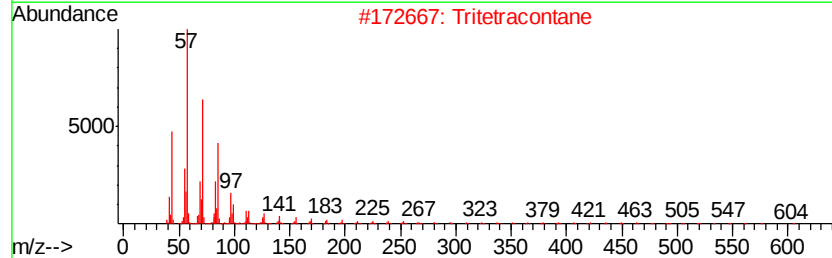
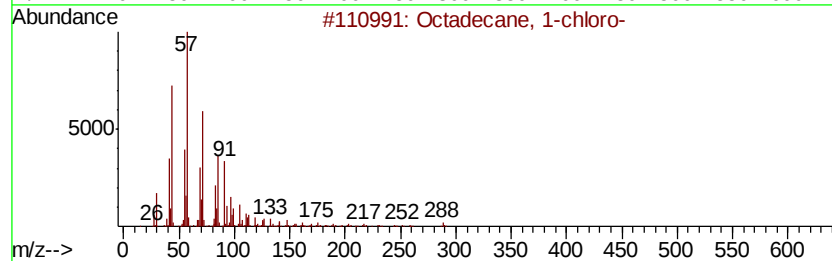
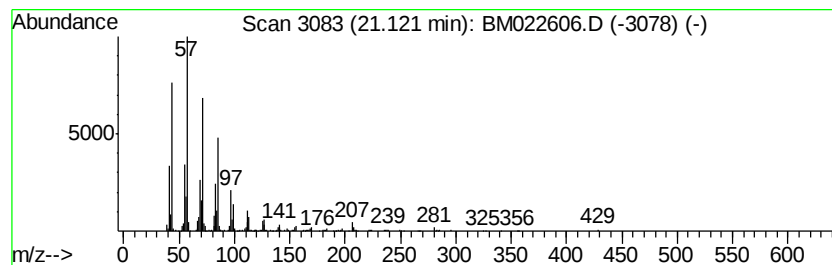
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Octadecane, 1-chloro- Concentration Rank 6

| R.T.    | EstConc    | Area                  | Relative to ISTD | R.T.           |
|---------|------------|-----------------------|------------------|----------------|
| 21.12   | 2.04 ng/ul | 593553                | Chrysene-d12     | 21.39          |
| Hit# of | 5          | Tentative ID          | MW MolForm       | CAS# Qual      |
| 1       |            | Octadecane, 1-chloro- | 288 C18H37Cl     | 003386-33-2 91 |
| 2       |            | Tritetracontane       | 605 C43H88       | 007098-21-7 87 |
| 3       |            | Tetratetracontane     | 619 C44H90       | 007098-22-8 87 |
| 4       |            | 1-Pentadecene         | 210 C15H30       | 013360-61-7 86 |
| 5       |            | Eicosane              | 282 C20H42       | 000112-95-8 68 |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

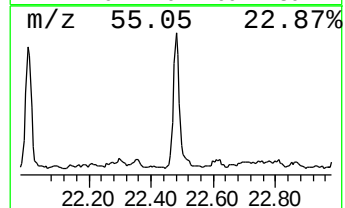
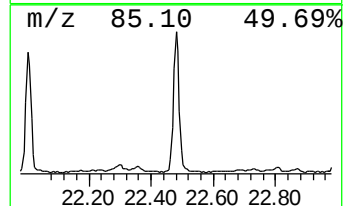
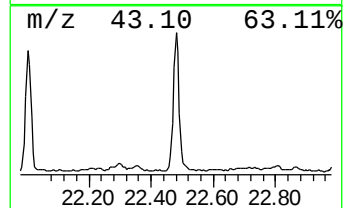
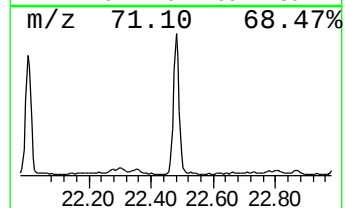
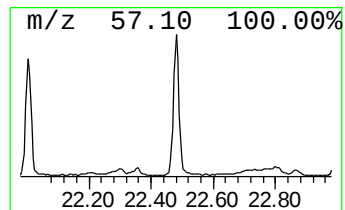
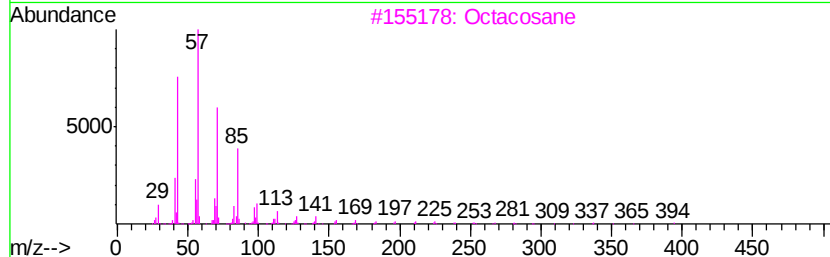
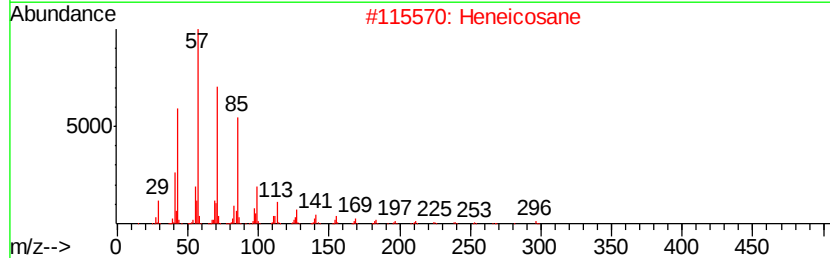
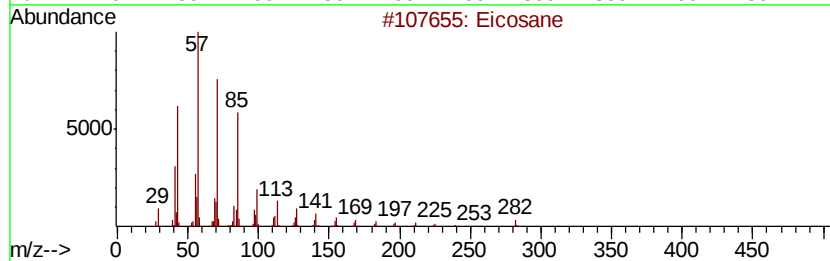
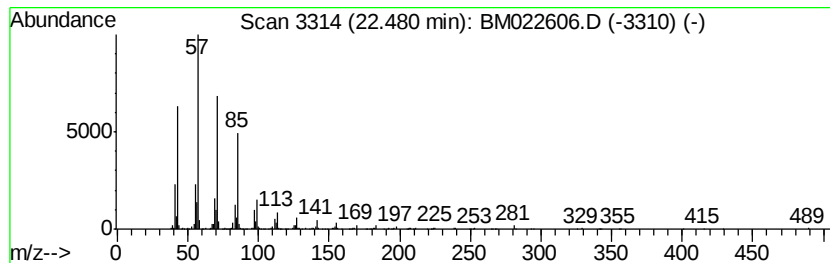
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.48 | 2.15 ng/ul | 624140 | Chrysene-d12     | 21.39 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | triacontane            | 422 | C30H62  | 000638-68-6 | 91   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |



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Quant Title : SVOA CALIBRATION

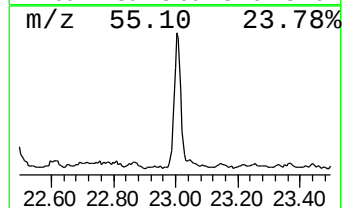
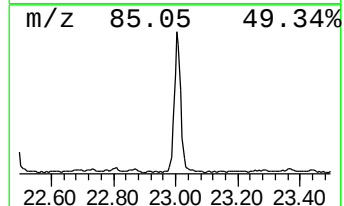
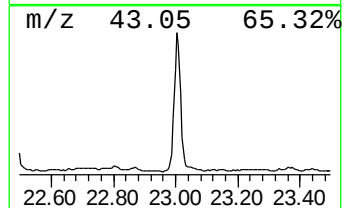
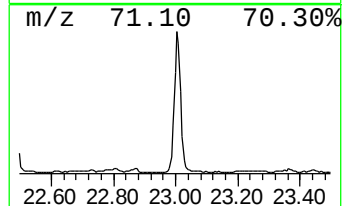
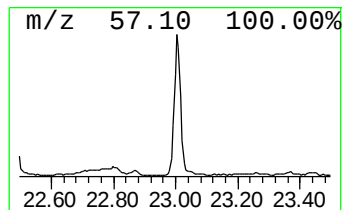
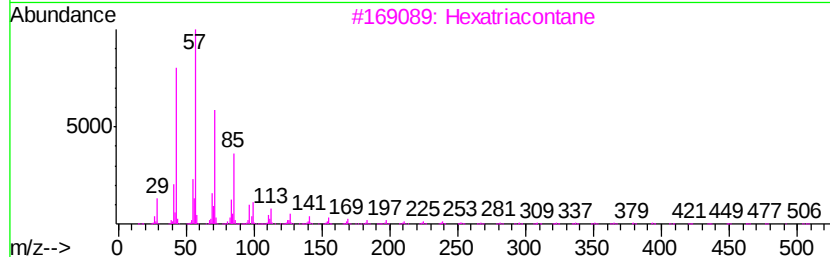
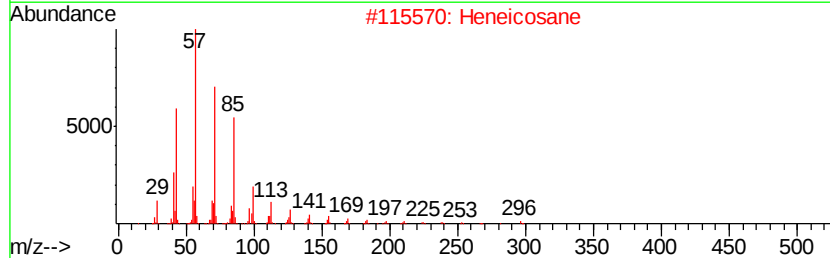
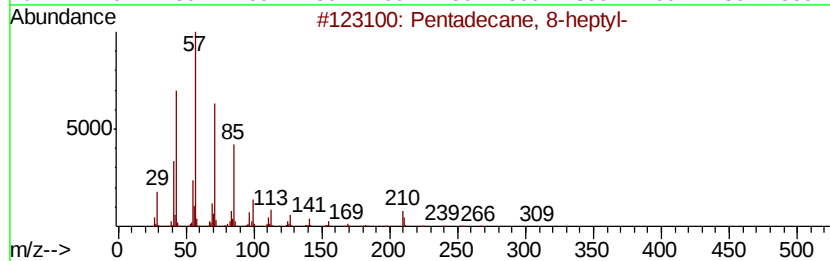
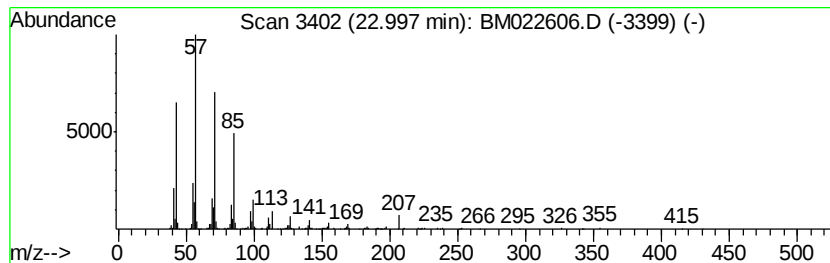
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.00 | 2.52 ng/ul | 733252 | Perylene-d12     | 23.68 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Hexatriacontane        | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    | Hexadecane             | 226 | C16H34  | 000544-76-3 | 87   |
| 5    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\  
Data File : BM022606.D  
Acq On : 09 Sep 2019 16:41  
Operator : HP/JU  
Sample : K4707-02  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0CJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

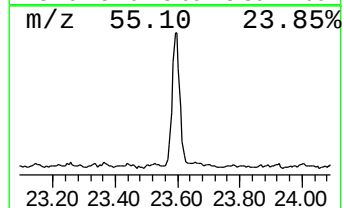
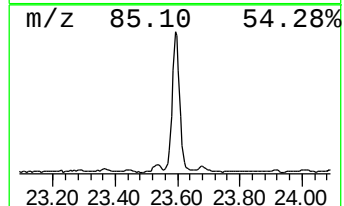
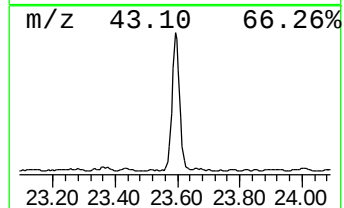
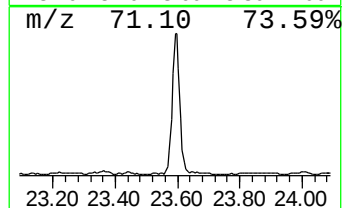
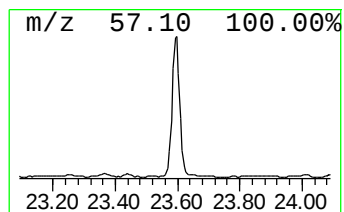
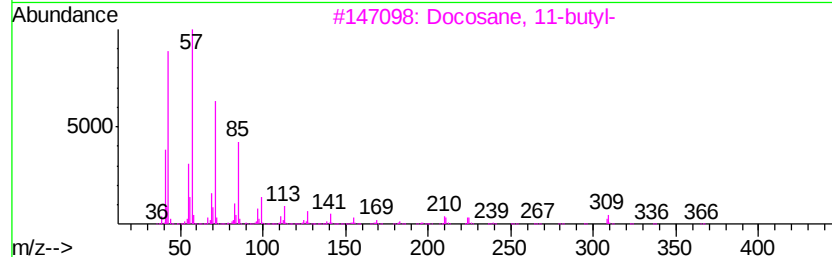
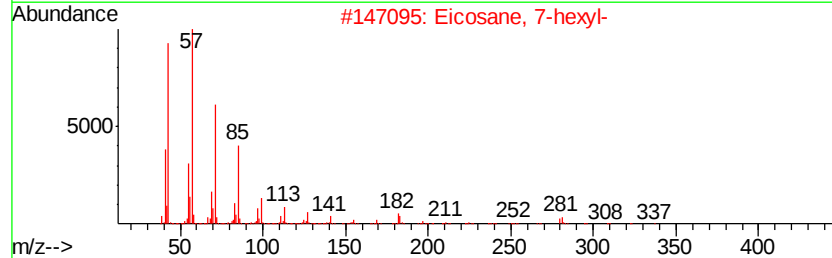
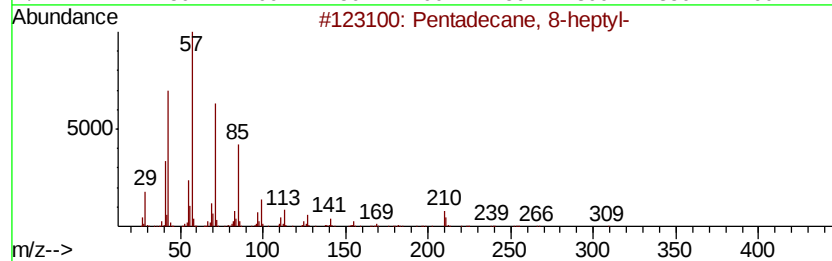
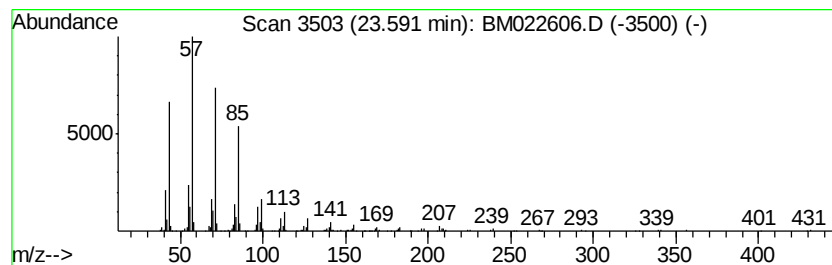
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.59 | 2.98 ng/ul | 865926 | Perylene-d12     | 23.68 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    | Eicosane, 7-hexyl-     | 366 | C26H54  | 055333-99-8 | 91   |
| 3    |    | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 91   |
| 4    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\  
Data File : BM022606.D  
Acq On : 09 Sep 2019 16:41  
Operator : HP/JU  
Sample : K4707-02  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0CJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION

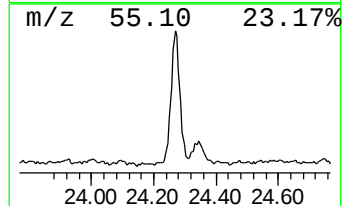
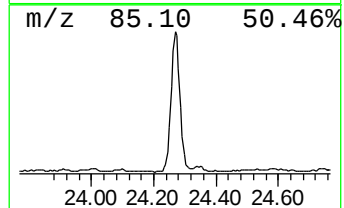
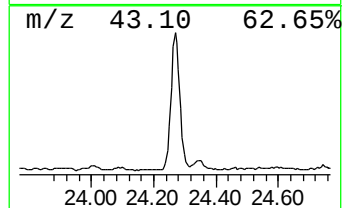
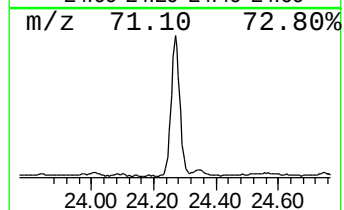
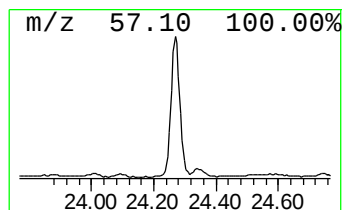
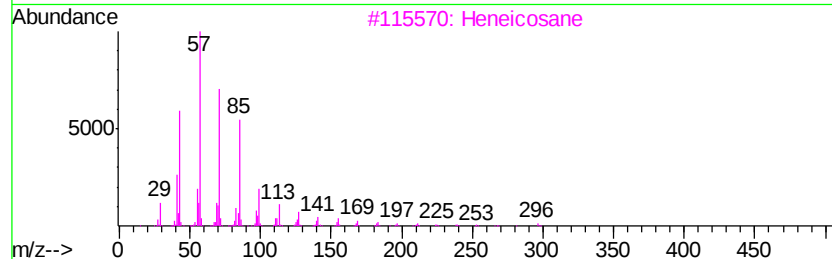
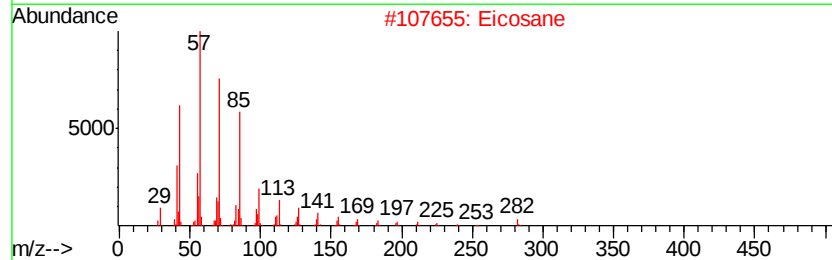
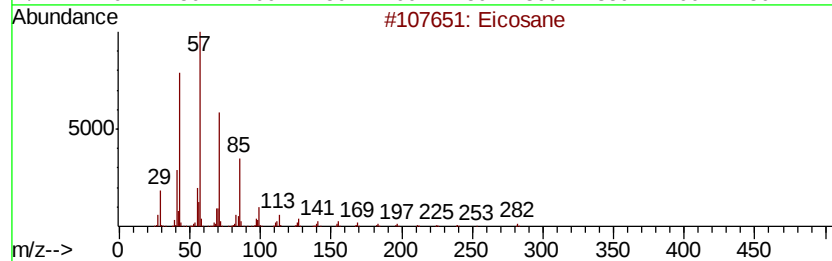
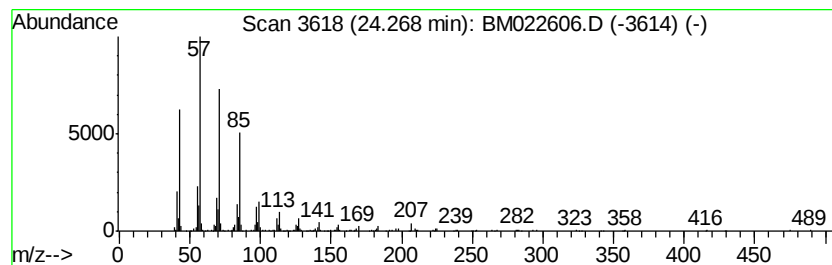
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.27 | 2.31 ng/ul | 671922 | Perylene-d12     | 23.68 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 95   |
| 3    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 90   |
| 5    |    | Eicosane          | 282 | C20H42  | 000112-95-8 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM090819\  
Data File : BM022606.D  
Acq On : 09 Sep 2019 16:41  
Operator : HP/JU  
Sample : K4707-02  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0CJ3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.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 |
| Butane, 2-methoxy... | 3.05  | 41.4    | ng/ul | 3880360  | 1                     | 7.85  | 1876900 | 20.0 |
| Octadecane, 1-chl... | 21.12 | 2.0     | ng/ul | 593553   | 5                     | 21.39 | 5805580 | 20.0 |
| (DEL) Alkane: Str... | 22.48 | 2.1     | ng/ul | 624140   | 5                     | 21.39 | 5805580 | 20.0 |
| (DEL) Alkane: Str... | 23.00 | 2.5     | ng/ul | 733252   | 6                     | 23.68 | 5811650 | 20.0 |
| (DEL) Alkane: Str... | 23.59 | 3.0     | ng/ul | 865926   | 6                     | 23.68 | 5811650 | 20.0 |
| (DEL) Alkane: Str... | 24.27 | 2.3     | ng/ul | 671922   | 6                     | 23.68 | 5811650 | 20.0 |