

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041917\  
 Data File : BM009679.D  
 Acq On : 19 Apr 2017 21:14  
 Operator : SJ/MA  
 Sample : I2691-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 YAB62

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 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-BM041717.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         | 3.316       | 36            | 39          | 48           | rVB2     | 42927          | 58748         | 1.51%           | 0.120%        |
| 2         | 3.828       | 122           | 126         | 133          | rBV2     | 30684          | 43300         | 1.11%           | 0.088%        |
| 3         | 4.657       | 259           | 267         | 276          | rVB2     | 145026         | 236592        | 6.08%           | 0.482%        |
| 4         | 5.269       | 365           | 371         | 377          | rBV2     | 69769          | 113963        | 2.93%           | 0.232%        |
| 5         | 6.993       | 656           | 664         | 678          | rBV      | 753144         | 1316997       | 33.82%          | 2.682%        |
| 6         | 7.169       | 687           | 694         | 703          | rBV      | 546237         | 858603        | 22.05%          | 1.748%        |
| 7         | 7.363       | 719           | 727         | 734          | rBV      | 720119         | 1181919       | 30.35%          | 2.407%        |
| 8         | 7.834       | 800           | 807         | 812          | rBV      | 753542         | 1191491       | 30.60%          | 2.426%        |
| 9         | 7.881       | 812           | 815         | 822          | rVB      | 112857         | 162272        | 4.17%           | 0.330%        |
| 10        | 8.304       | 883           | 887         | 892          | rVB2     | 28476          | 41283         | 1.06%           | 0.084%        |
| 11        | 8.534       | 918           | 926         | 934          | rBV      | 786695         | 1262628       | 32.43%          | 2.571%        |
| 12        | 8.998       | 998           | 1005        | 1017         | rBV      | 683703         | 1158938       | 29.76%          | 2.360%        |
| 13        | 9.098       | 1017          | 1022        | 1027         | rBV6     | 25489          | 49503         | 1.27%           | 0.101%        |
| 14        | 9.716       | 1115          | 1127        | 1135         | rBV      | 563620         | 966381        | 24.82%          | 1.968%        |
| 15        | 10.245      | 1208          | 1217        | 1225         | rBV      | 793750         | 1354615       | 34.79%          | 2.758%        |
| 16        | 10.628      | 1275          | 1282        | 1292         | rVB      | 918404         | 1531334       | 39.33%          | 3.118%        |
| 17        | 10.775      | 1299          | 1307        | 1314         | rBV      | 640886         | 1116825       | 28.68%          | 2.274%        |
| 18        | 13.886      | 1828          | 1836        | 1840         | rBV      | 1282796        | 1811290       | 46.52%          | 3.688%        |
| 19        | 13.933      | 1840          | 1844        | 1849         | rVB      | 655719         | 897729        | 23.06%          | 1.828%        |
| 20        | 14.169      | 1878          | 1884        | 1895         | rVB      | 1461387        | 2162109       | 55.53%          | 4.403%        |
| 21        | 14.480      | 1930          | 1937        | 1945         | rVB2     | 1257037        | 1906868       | 48.97%          | 3.883%        |
| 22        | 14.680      | 1965          | 1971        | 1981         | rBV      | 662775         | 1028536       | 26.42%          | 2.094%        |
| 23        | 15.304      | 2072          | 2077        | 2082         | rVB3     | 74297          | 98599         | 2.53%           | 0.201%        |
| 24        | 15.474      | 2099          | 2106        | 2112         | rBV      | 1913364        | 2716441       | 69.76%          | 5.531%        |
| 25        | 15.604      | 2121          | 2128        | 2136         | rBV      | 450426         | 672321        | 17.27%          | 1.369%        |
| 26        | 15.704      | 2138          | 2145        | 2151         | rVV6     | 41383          | 75233         | 1.93%           | 0.153%        |
| 27        | 16.168      | 2219          | 2224        | 2232         | rBV      | 93147          | 165879        | 4.26%           | 0.338%        |
| 28        | 16.957      | 2353          | 2358        | 2363         | rBV      | 66323          | 95121         | 2.44%           | 0.194%        |
| 29        | 17.015      | 2363          | 2368        | 2372         | rVB5     | 33610          | 56901         | 1.46%           | 0.116%        |
| 30        | 17.227      | 2397          | 2404        | 2410         | rBV      | 1598511        | 2297057       | 58.99%          | 4.677%        |
| 31        | 17.327      | 2412          | 2421        | 2427         | rVB      | 2163188        | 2989560       | 76.78%          | 6.088%        |
| 32        | 17.698      | 2480          | 2484        | 2490         | rBV4     | 51063          | 63089         | 1.62%           | 0.128%        |
| 33        | 18.104      | 2548          | 2553        | 2559         | rBV      | 310583         | 466770        | 11.99%          | 0.950%        |
| 34        | 18.392      | 2599          | 2602        | 2606         | rBV5     | 30804          | 39382         | 1.01%           | 0.080%        |

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
YAB62

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0  
Filtering: 5  
Min Area: 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-BM041717.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.021 | 2706 | 2709 | 2713 | rVB5 | 40541   | 46951   | 1.21%   | 0.096% |
| 36 | 19.156 | 2729 | 2732 | 2736 | rBV6 | 39659   | 58965   | 1.51%   | 0.120% |
| 37 | 19.256 | 2746 | 2749 | 2752 | rBV5 | 35296   | 41274   | 1.06%   | 0.084% |
| 38 | 19.380 | 2766 | 2770 | 2776 | rBV3 | 204449  | 305457  | 7.84%   | 0.622% |
| 39 | 19.545 | 2794 | 2798 | 2804 | rVB  | 253256  | 277980  | 7.14%   | 0.566% |
| 40 | 19.621 | 2805 | 2811 | 2821 | rBV  | 2625102 | 3575698 | 91.83%  | 7.281% |
| 41 | 20.527 | 2960 | 2965 | 2971 | rBV  | 1531839 | 2810311 | 72.17%  | 5.723% |
| 42 | 20.574 | 2971 | 2973 | 2980 | rVV  | 740797  | 1002526 | 25.75%  | 2.041% |
| 43 | 20.633 | 2980 | 2983 | 2990 | rVB  | 342721  | 418200  | 10.74%  | 0.852% |
| 44 | 21.092 | 3058 | 3061 | 3067 | rBV  | 454504  | 593074  | 15.23%  | 1.208% |
| 45 | 21.409 | 3110 | 3115 | 3120 | rBV  | 2228934 | 2808961 | 72.14%  | 5.720% |
| 46 | 21.486 | 3125 | 3128 | 3131 | rBV2 | 245585  | 329895  | 8.47%   | 0.672% |
| 47 | 23.580 | 3478 | 3484 | 3494 | rVB2 | 1970619 | 3893755 | 100.00% | 7.929% |
| 48 | 23.733 | 3504 | 3510 | 3518 | rVB2 | 1429650 | 2757733 | 70.82%  | 5.616% |

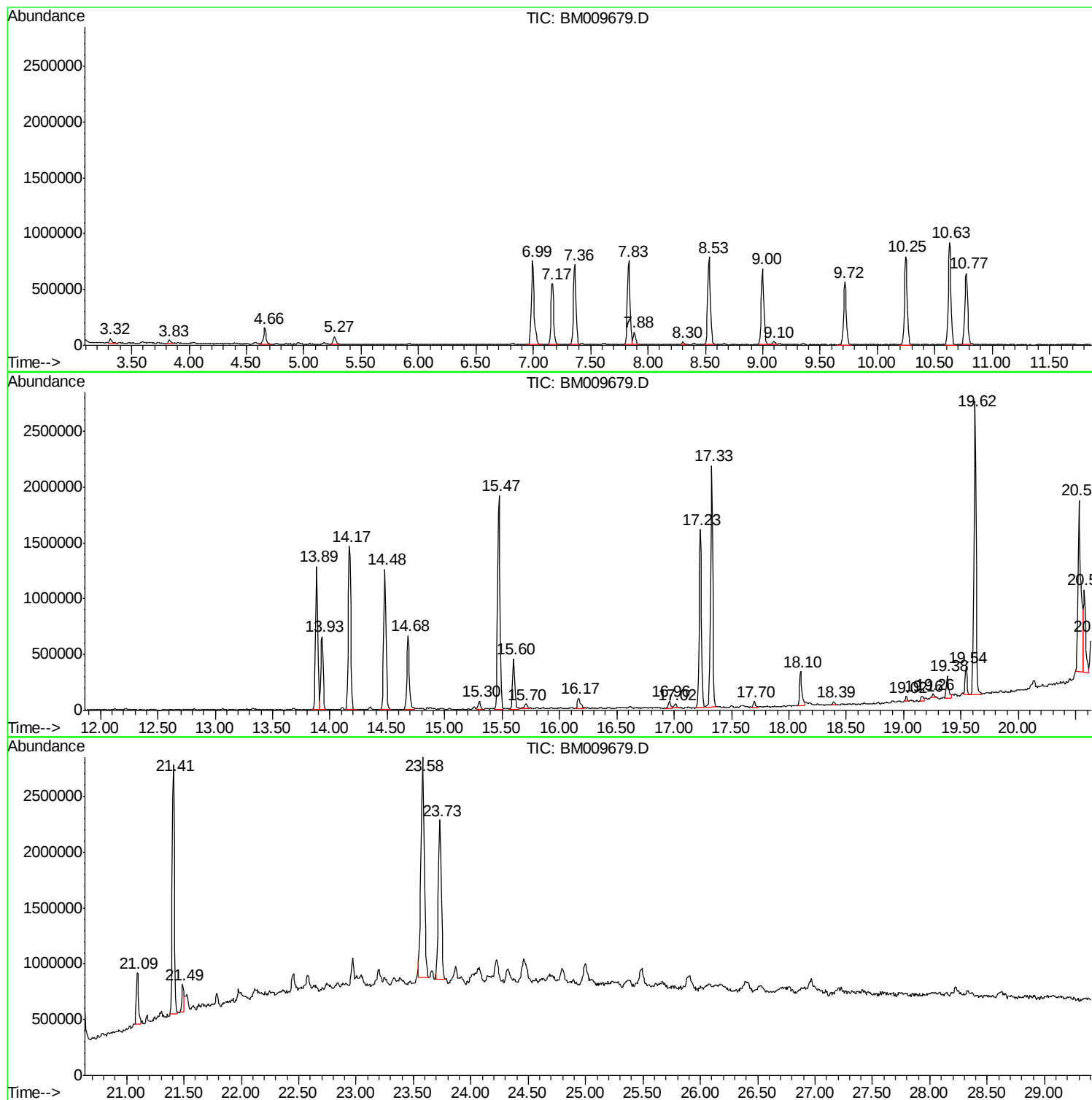
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
Quant Title : SVOA CALIBRATION

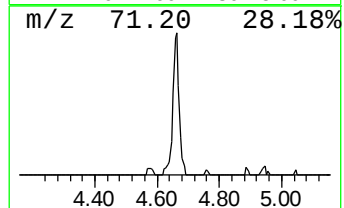
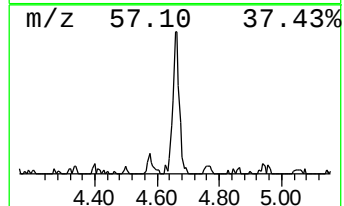
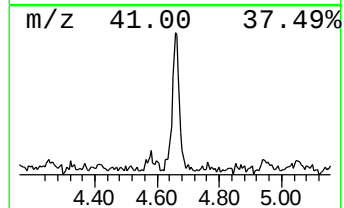
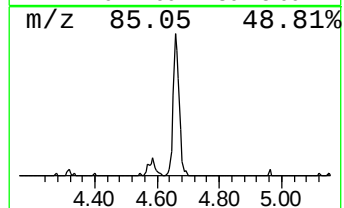
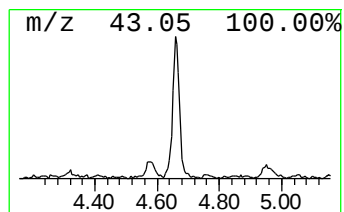
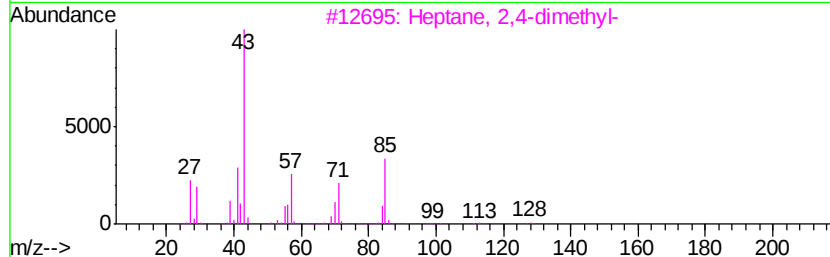
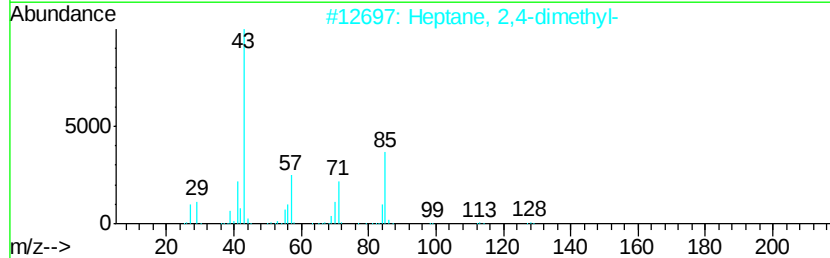
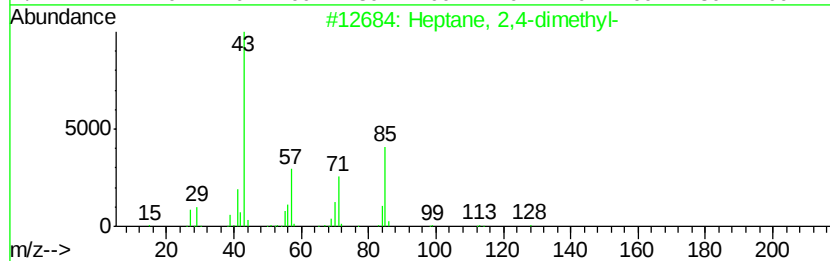
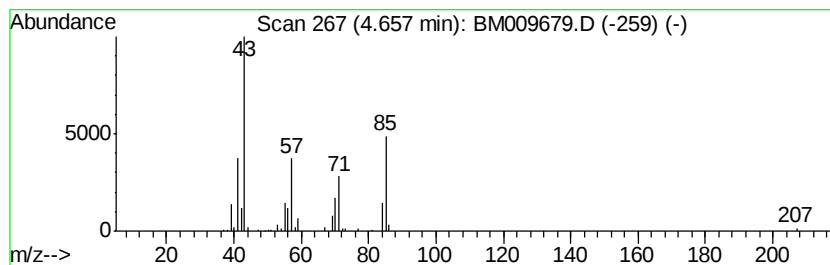
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.66 | 3.97 ng/ul | 236592 | 1,4-Dichlorobenzene-d4 | 7.83 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane, 2,4-dimethyl-  | 128 | C9H20   | 002213-23-2 | 90   |
| 2    |    | Heptane, 2,4-dimethyl-  | 128 | C9H20   | 002213-23-2 | 83   |
| 3    |    | Heptane, 2,4-dimethyl-  | 128 | C9H20   | 002213-23-2 | 83   |
| 4    |    | Decane, 2,4-dimethyl-   | 170 | C12H26  | 002801-84-5 | 64   |
| 5    |    | Undecane, 2,4-dimethyl- | 184 | C13H28  | 017312-80-0 | 64   |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
Quant Title : SVOA CALIBRATION

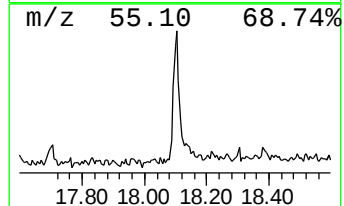
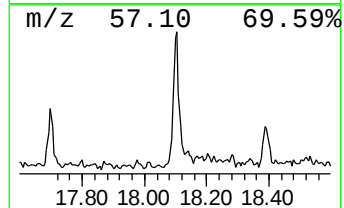
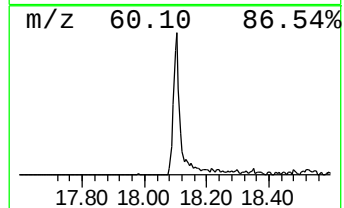
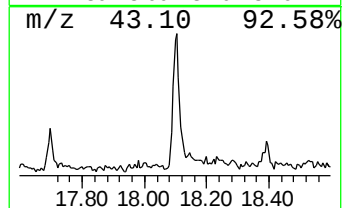
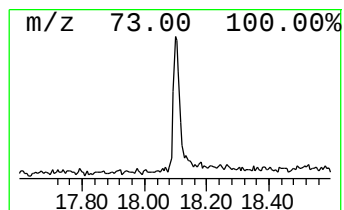
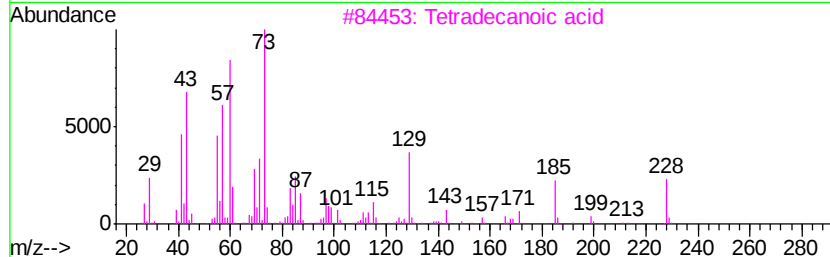
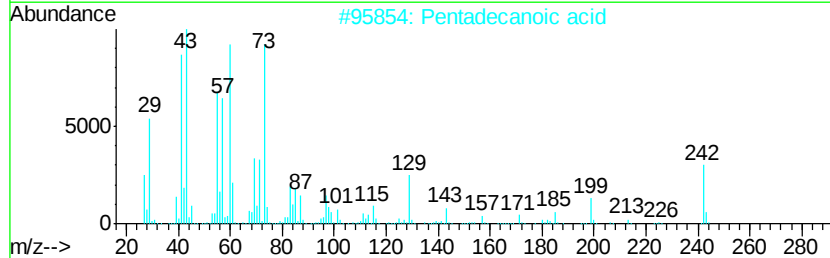
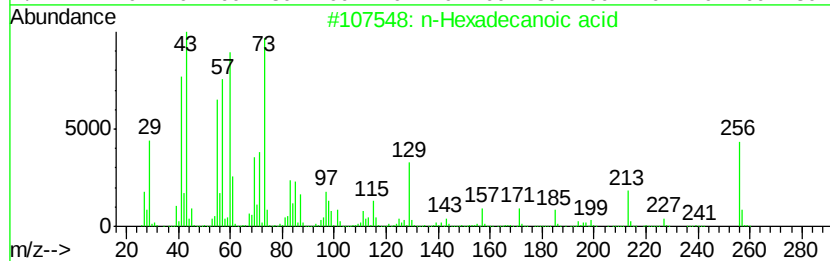
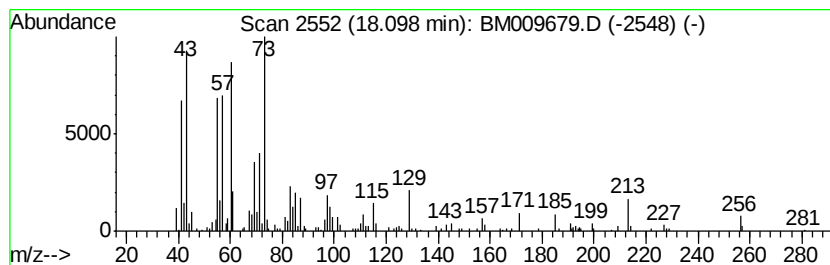
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.10 | 4.06 ng/ul | 466770 | Phenanthrene-d10 | 17.23 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 98   |      |
| 2       | Pentadecanoic acid  | 242          | C15H30O2 | 001002-84-2 | 80   |      |
| 3       | Tetradecanoic acid  | 228          | C14H28O2 | 000544-63-8 | 72   |      |
| 4       | Undecanoic acid     | 186          | C11H22O2 | 000112-37-8 | 70   |      |
| 5       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 64   |      |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
Quant Title : SVOA CALIBRATION

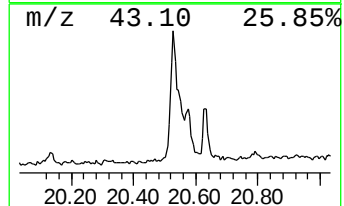
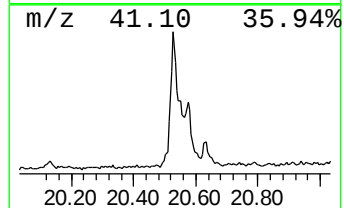
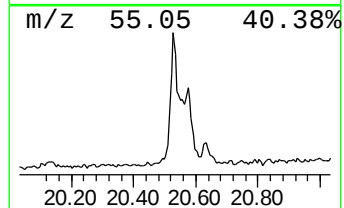
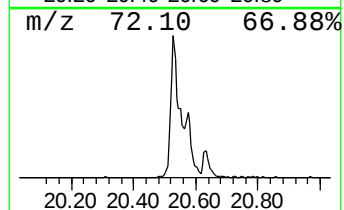
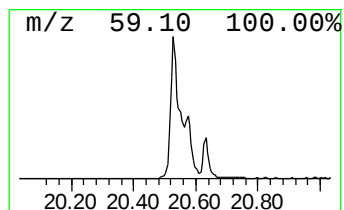
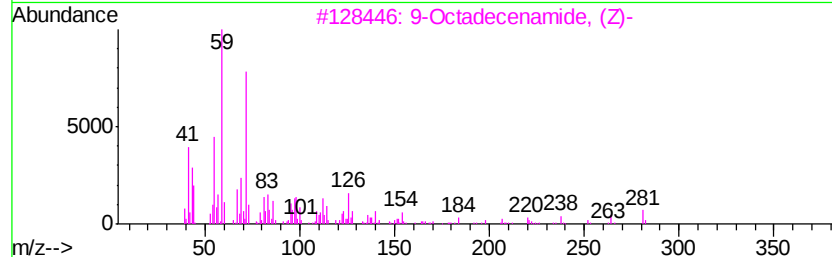
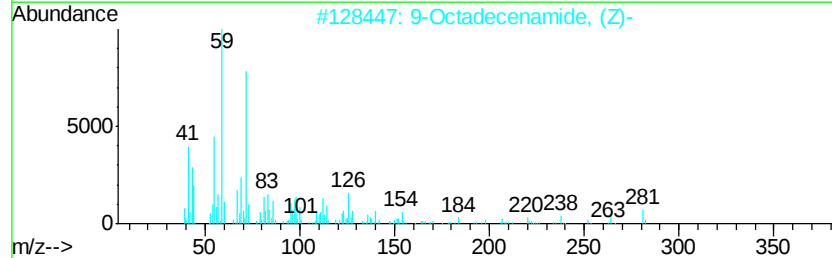
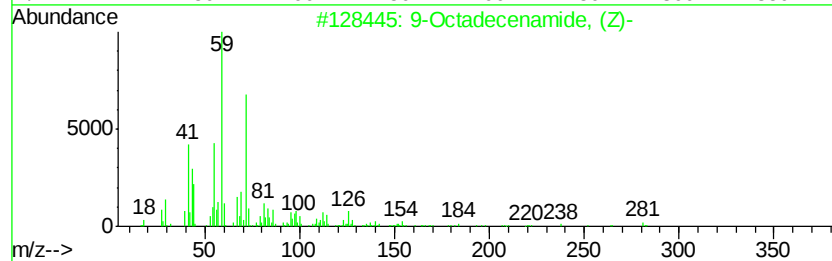
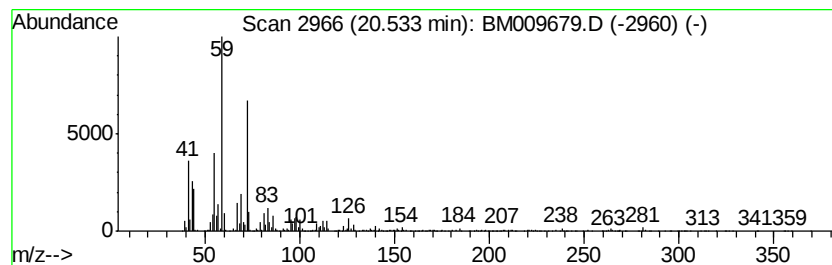
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.53 | 20.01 ng/ul | 2810310 | Chrysene-d12     | 21.41 |

| Hit# | of                     | 5 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|------------------------|---|--------------|-----|----------|-------------|------|
| 1    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 99   |
| 2    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 97   |
| 3    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 97   |
| 4    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 76   |
| 5    | Nonanamide             |   |              | 157 | C9H19NO  | 001120-07-6 | 59   |



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Quant Title : SVOA CALIBRATION

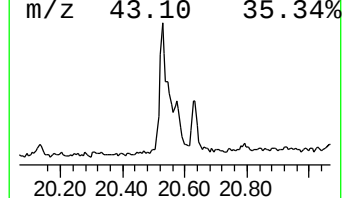
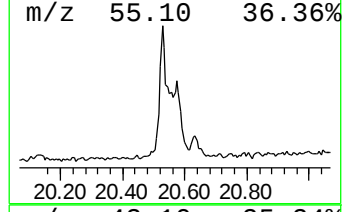
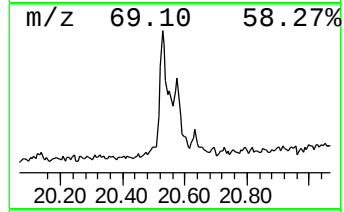
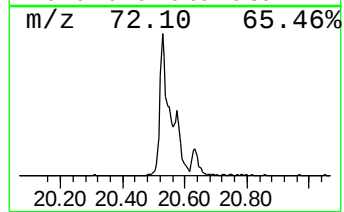
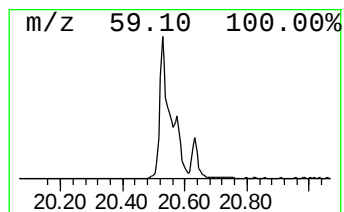
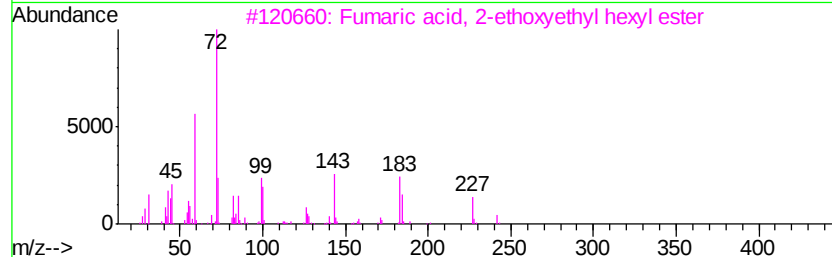
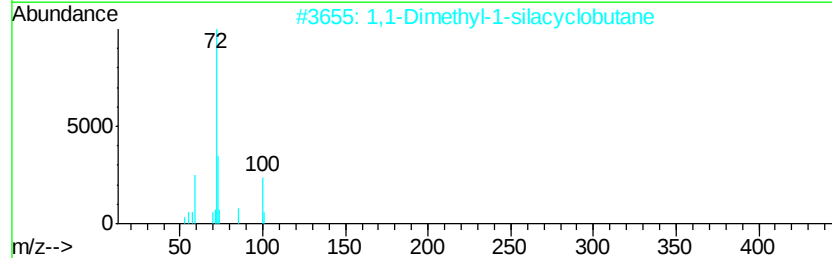
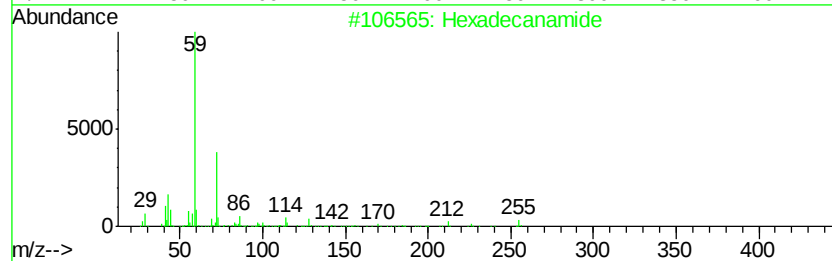
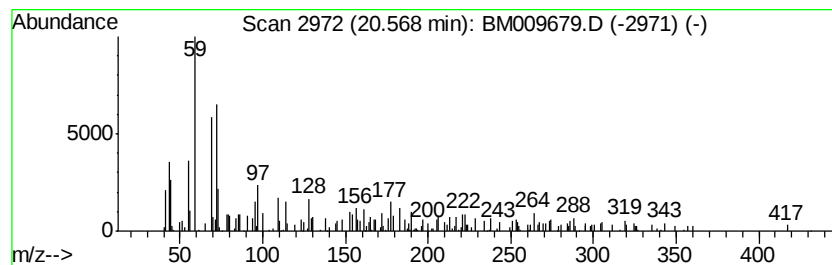
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexadecanamide Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.57 | 7.14 ng/ul | 1002530 | Chrysene-d12     | 21.41 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|----------|--------------|------|
| 1       | Hexadecanamide                      |              | 255 | C16H33NO | 000629-54-9  | 59   |
| 2       | 1,1-Dimethyl-1-silacyclobutane      |              | 100 | C5H12Si  | 002295-12-7  | 50   |
| 3       | Fumaric acid, 2-ethoxyethyl hexy... |              | 272 | C14H24O5 | 1000330-56-4 | 50   |
| 4       | Hexanamide                          |              | 115 | C6H13NO  | 000628-02-4  | 38   |
| 5       | Dodecanamide                        |              | 199 | C12H25NO | 001120-16-7  | 38   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041917\  
Data File : BM009679.D  
Acq On : 19 Apr 2017 21:14  
Operator : SJ/MA  
Sample : I2691-11  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
YAB62

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
Quant Title : SVOA CALIBRATION

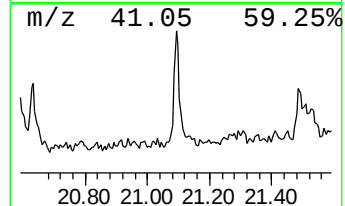
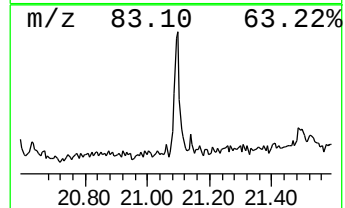
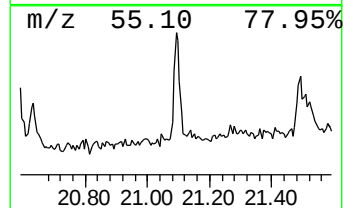
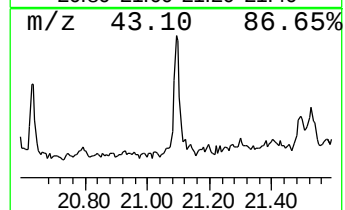
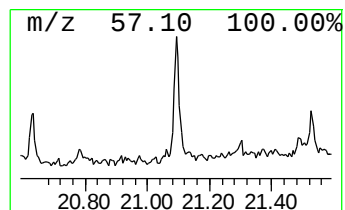
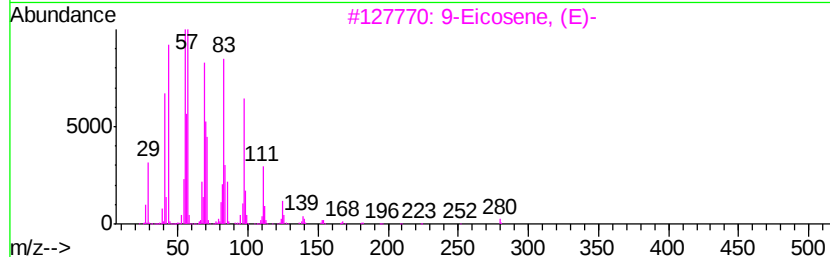
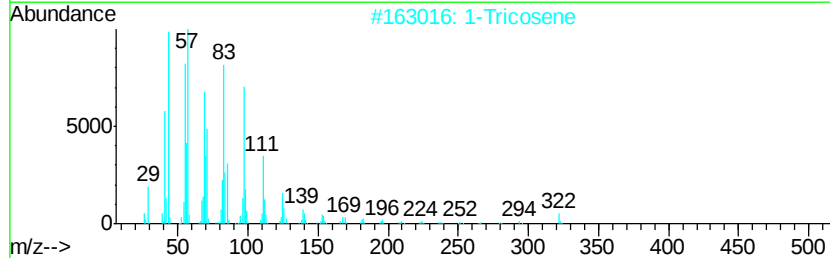
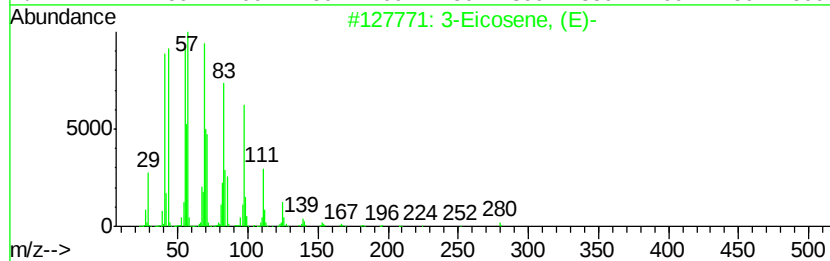
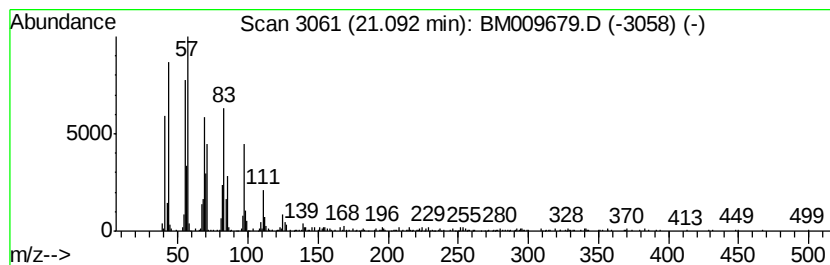
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Cyclic21.09 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.09 | 4.22 ng/ul | 593074 | Chrysene-d12     | 21.41 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Eicosene, (E)-  | 280 | C20H40  | 074685-33-9 | 99   |
| 2    |    | 1-Tricosene       | 322 | C23H46  | 018835-32-0 | 96   |
| 3    |    | 9-Eicosene, (E)-  | 280 | C20H40  | 074685-29-3 | 94   |
| 4    |    | 5-Eicosene, (E)-  | 280 | C20H40  | 074685-30-6 | 94   |
| 5    |    | 9-Tricosene, (Z)- | 322 | C23H46  | 027519-02-4 | 93   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM041917\  
Data File : BM009679.D  
Acq On : 19 Apr 2017 21:14  
Operator : SJ/MA  
Sample : I2691-11  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
YAB62

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041717.M  
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 |
| (DEL) Alkane: Str... | 4.66  | 4.0     | ng/ul | 236592   | 1                     | 7.83  | 1191490 | 20.0 |
| n-Hexadecanoic acid  | 18.10 | 4.1     | ng/ul | 466770   | 4                     | 17.23 | 2297060 | 20.0 |
| 9-Octadecenamide,... | 20.53 | 20.0    | ng/ul | 2810310  | 5                     | 21.41 | 2808960 | 20.0 |
| Hexadecanamide       | 20.57 | 7.1     | ng/ul | 1002530  | 5                     | 21.41 | 2808960 | 20.0 |
| (DEL) Alkane: Cyc... | 21.09 | 4.2     | ng/ul | 593074   | 5                     | 21.41 | 2808960 | 20.0 |