

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091817\  
 Data File : BM011572.D  
 Acq On : 18 Sep 2017 16:58  
 Operator : SJ/JU  
 Sample : I5234-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COAH0

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.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         | 3.393       | 14            | 18          | 25           | rBV      | 93579          | 132837        | 0.14%           | 0.052%        |
| 2         | 5.287       | 331           | 340         | 365          | rBV2     | 55665591       | 91809142      | 100.00%         | 35.876%       |
| 3         | 6.945       | 615           | 622         | 633          | rBV      | 184983         | 326973        | 0.36%           | 0.128%        |
| 4         | 7.063       | 636           | 642         | 646          | rVV      | 54735          | 95572         | 0.10%           | 0.037%        |
| 5         | 7.122       | 646           | 652         | 666          | rVB      | 376121         | 719425        | 0.78%           | 0.281%        |
| 6         | 7.292       | 675           | 681         | 695          | rBV      | 1576337        | 2493124       | 2.72%           | 0.974%        |
| 7         | 7.498       | 708           | 716         | 736          | rBV2     | 1512486        | 3160811       | 3.44%           | 1.235%        |
| 8         | 7.857       | 770           | 777         | 789          | rBV      | 5143025        | 8227715       | 8.96%           | 3.215%        |
| 9         | 8.010       | 790           | 803         | 821          | rVB      | 23793343       | 38522291      | 41.96%          | 15.053%       |
| 10        | 8.322       | 849           | 856         | 873          | rVB      | 3847165        | 6484974       | 7.06%           | 2.534%        |
| 11        | 8.663       | 907           | 914         | 922          | rBV      | 1071345        | 1834767       | 2.00%           | 0.717%        |
| 12        | 9.133       | 986           | 994         | 1013         | rBV      | 1865334        | 3196851       | 3.48%           | 1.249%        |
| 13        | 9.698       | 1084          | 1090        | 1094         | rBV2     | 56978          | 108142        | 0.12%           | 0.042%        |
| 14        | 9.745       | 1094          | 1098        | 1109         | rVV2     | 99187          | 233695        | 0.25%           | 0.091%        |
| 15        | 9.857       | 1109          | 1117        | 1123         | rVV      | 1430273        | 2395362       | 2.61%           | 0.936%        |
| 16        | 9.916       | 1123          | 1127        | 1137         | rVB      | 176993         | 309533        | 0.34%           | 0.121%        |
| 17        | 10.392      | 1199          | 1208        | 1215         | rBV      | 1996209        | 3609295       | 3.93%           | 1.410%        |
| 18        | 10.457      | 1215          | 1219        | 1231         | rVB      | 171871         | 352919        | 0.38%           | 0.138%        |
| 19        | 10.639      | 1241          | 1250        | 1265         | rBV2     | 3511631        | 6505759       | 7.09%           | 2.542%        |
| 20        | 10.775      | 1266          | 1273        | 1291         | rVB      | 1789147        | 3059112       | 3.33%           | 1.195%        |
| 21        | 11.157      | 1332          | 1338        | 1348         | rBV      | 436351         | 776798        | 0.85%           | 0.304%        |
| 22        | 13.033      | 1651          | 1657        | 1665         | rBV2     | 142769         | 253445        | 0.28%           | 0.099%        |
| 23        | 13.404      | 1715          | 1720        | 1725         | rBV      | 70722          | 119338        | 0.13%           | 0.047%        |
| 24        | 13.610      | 1750          | 1755        | 1761         | rBV3     | 59177          | 115521        | 0.13%           | 0.045%        |
| 25        | 13.668      | 1761          | 1765        | 1771         | rVB4     | 62994          | 110829        | 0.12%           | 0.043%        |
| 26        | 14.004      | 1815          | 1822        | 1838         | rBV      | 4722637        | 6331463       | 6.90%           | 2.474%        |
| 27        | 14.292      | 1864          | 1871        | 1885         | rBV      | 4406022        | 6625904       | 7.22%           | 2.589%        |
| 28        | 14.598      | 1916          | 1923        | 1939         | rBV2     | 2521906        | 3973147       | 4.33%           | 1.553%        |
| 29        | 14.786      | 1949          | 1955        | 1966         | rBV      | 245179         | 487999        | 0.53%           | 0.191%        |
| 30        | 15.080      | 1999          | 2005        | 2013         | rBV2     | 100200         | 159860        | 0.17%           | 0.062%        |
| 31        | 15.586      | 2085          | 2091        | 2103         | rBV      | 6278442        | 9171312       | 9.99%           | 3.584%        |
| 32        | 15.698      | 2103          | 2110        | 2123         | rVV      | 2384684        | 3244911       | 3.53%           | 1.268%        |
| 33        | 15.827      | 2128          | 2132        | 2140         | rVB2     | 72005          | 114149        | 0.12%           | 0.045%        |
| 34        | 17.339      | 2382          | 2389        | 2399         | rBV      | 3274835        | 4519088       | 4.92%           | 1.766%        |

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AH0

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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Stop Thrs : 0  
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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\SOM-EPA-BM090817MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 35 | 17.439 | 2399 | 2406 | 2421 | rVV  | 8000975 | 10934281 | 11.91% | 4.273% |
| 36 | 18.209 | 2531 | 2537 | 2547 | rBV  | 464326  | 696948   | 0.76%  | 0.272% |
| 37 | 19.362 | 2725 | 2733 | 2737 | rBV2 | 154483  | 280663   | 0.31%  | 0.110% |
| 38 | 19.480 | 2749 | 2753 | 2761 | rBV  | 235375  | 315089   | 0.34%  | 0.123% |
| 39 | 19.609 | 2771 | 2775 | 2783 | rVB3 | 67134   | 125350   | 0.14%  | 0.049% |
| 40 | 19.721 | 2788 | 2794 | 2803 | rBV  | 9479884 | 12615951 | 13.74% | 4.930% |
| 41 | 21.503 | 3091 | 3097 | 3105 | rBV  | 3741150 | 4974908  | 5.42%  | 1.944% |
| 42 | 23.721 | 3467 | 3474 | 3488 | rVB2 | 5507587 | 10856728 | 11.83% | 4.243% |
| 43 | 23.874 | 3493 | 3500 | 3509 | rVV  | 2191154 | 4373839  | 4.76%  | 1.709% |
| 44 | 24.409 | 3587 | 3591 | 3602 | rVB3 | 277050  | 564603   | 0.61%  | 0.221% |
| 45 | 25.215 | 3724 | 3728 | 3738 | rVB3 | 273655  | 583357   | 0.64%  | 0.228% |

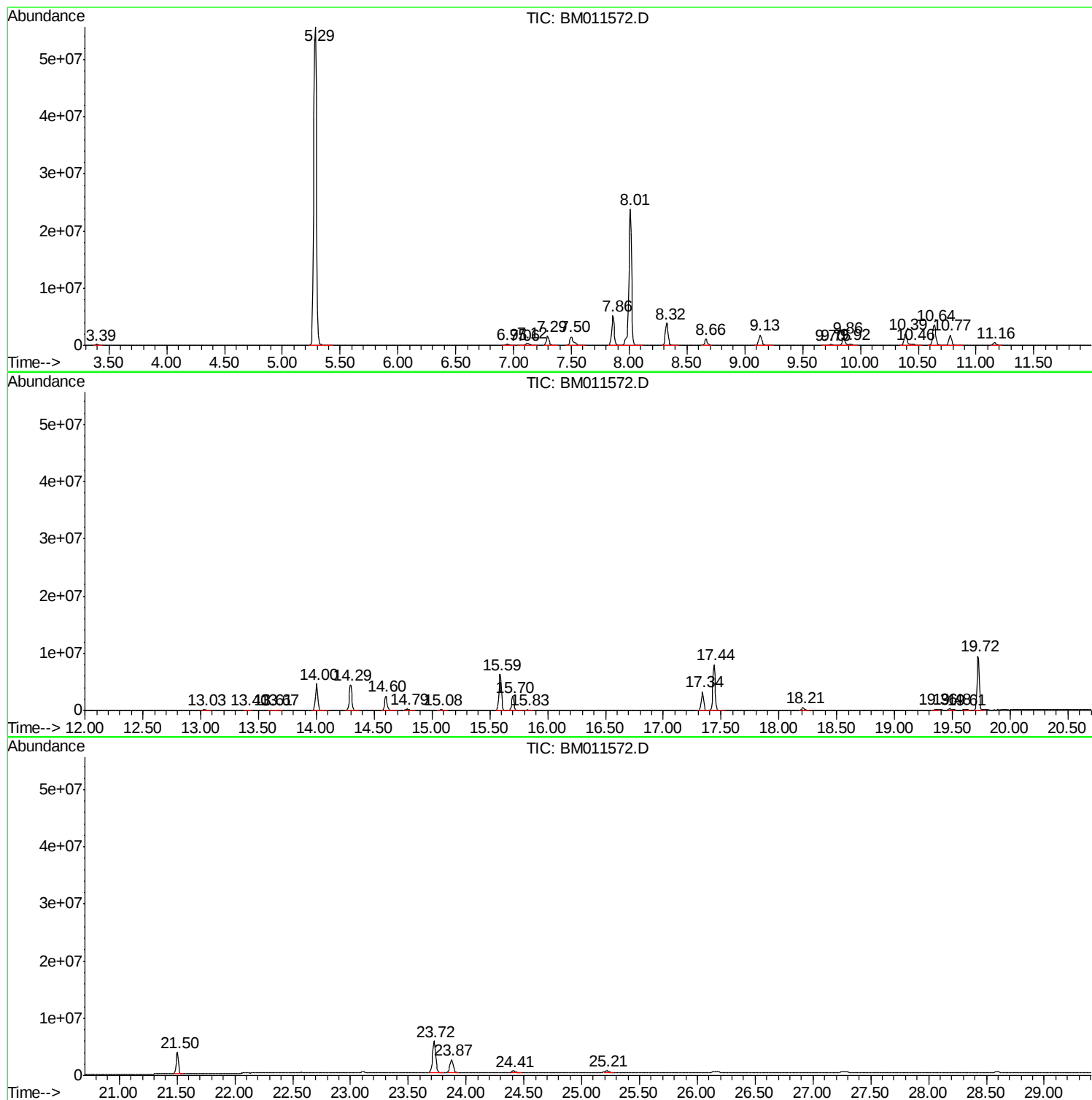
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ClientSampleId :  
C0AH0

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

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



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Operator : SJ/JU  
Sample : I5234-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

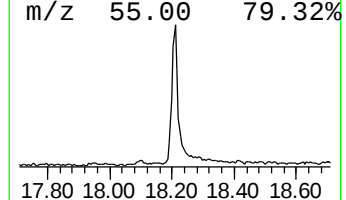
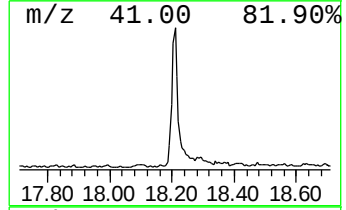
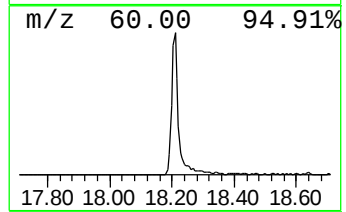
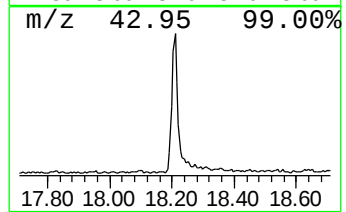
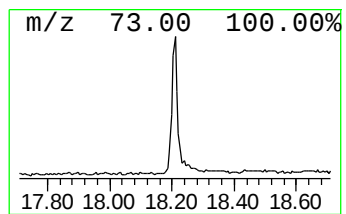
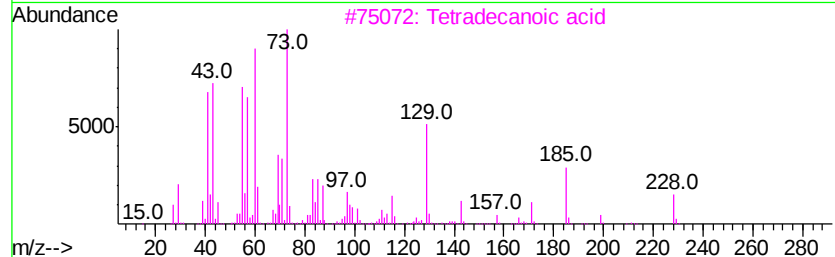
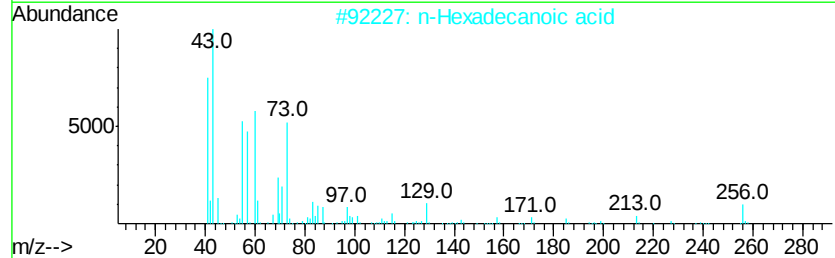
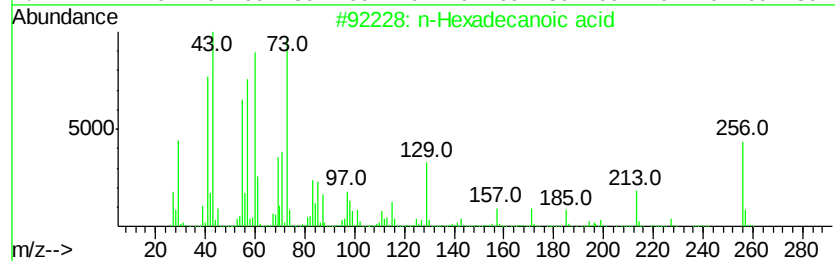
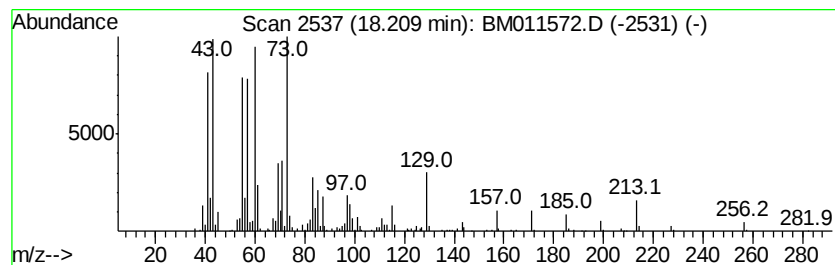
Instrument :  
BNA\_M  
ClientSampleId :  
COAH0

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.21     | 3.08 ng/ul          | 696948 | Phenanthrene-d10 |             | 17.34 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 95    |
| 3         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 93    |
| 4         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 91    |
| 5         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 89    |



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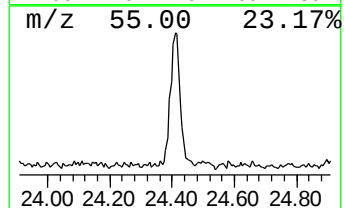
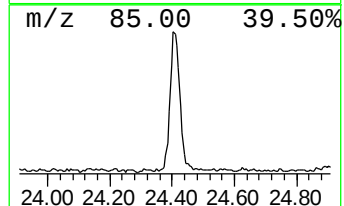
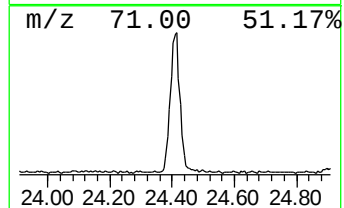
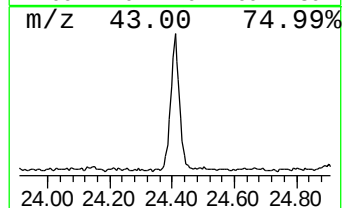
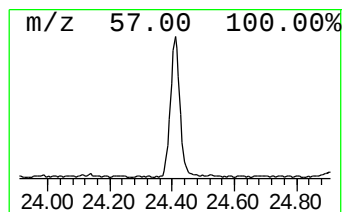
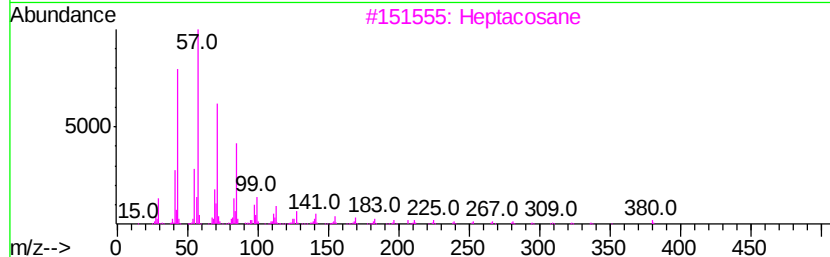
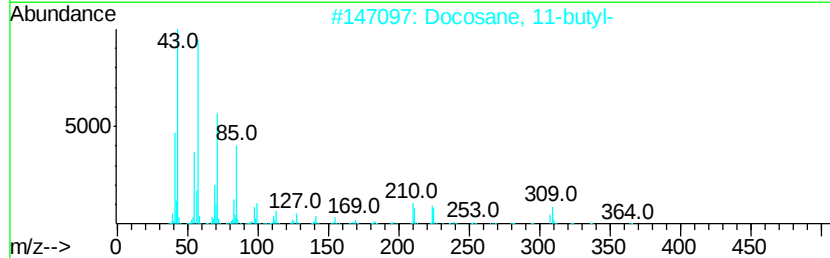
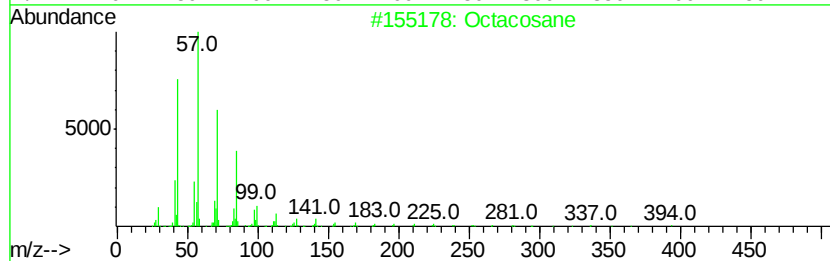
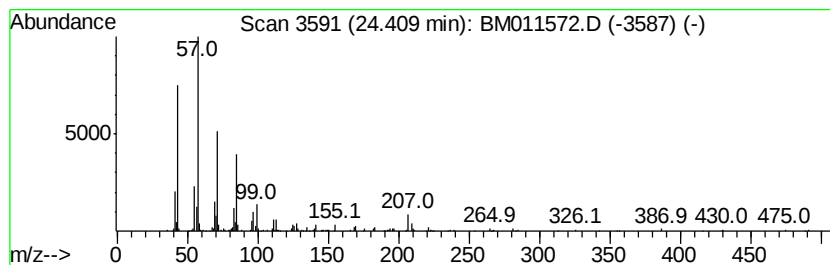
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.41 | 2.58 ng/ul | 564603 | Perylene-d12     | 23.87 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |
| 2    |    |   | Docosane, 11-butyl-    | 366 | C26H54  | 013475-76-8 | 87   |
| 3    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 87   |
| 4    |    |   | Eicosane, 3-methyl-    | 296 | C21H44  | 006418-46-8 | 86   |
| 5    |    |   | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 86   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

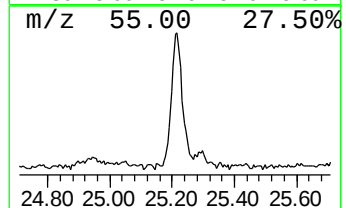
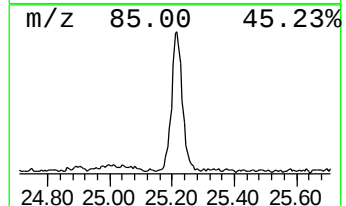
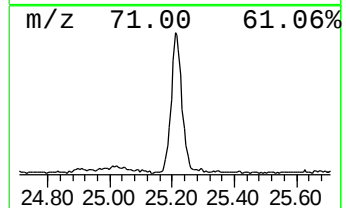
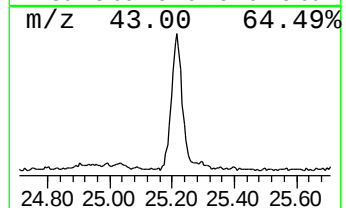
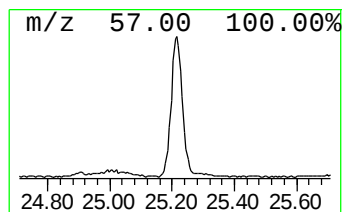
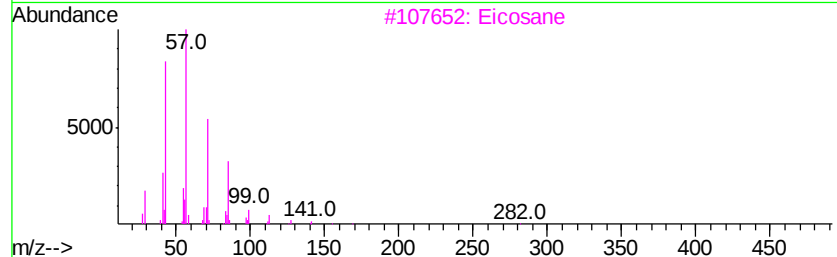
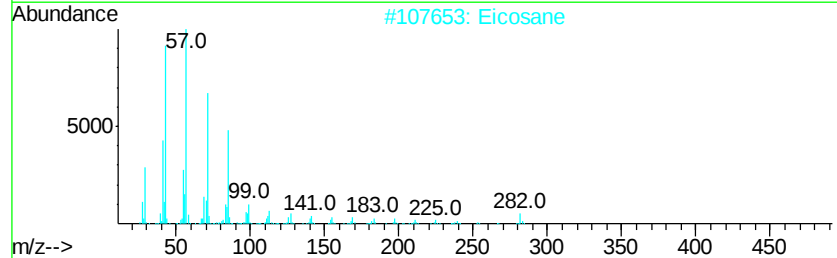
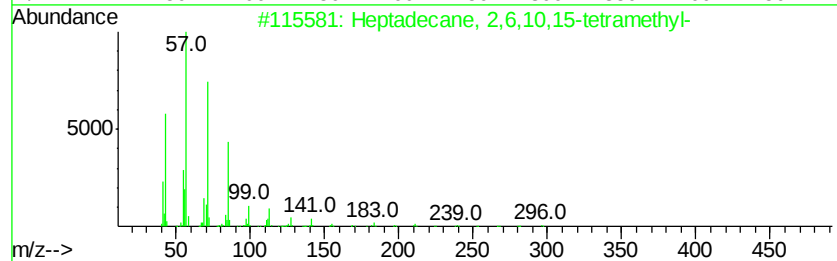
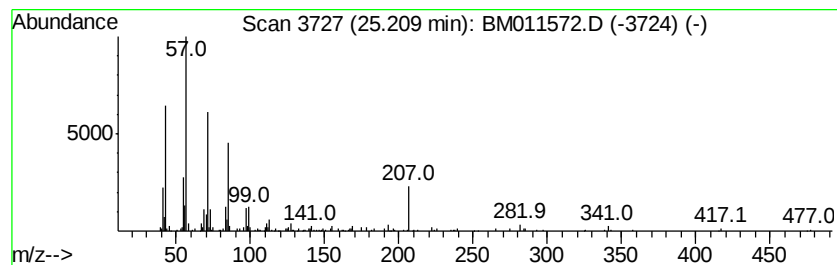
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.21 | 2.67 ng/ul | 583357 | Perylene-d12     | 23.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 89   |
| 2    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 89   |
| 3    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 68   |
| 4    |    | Octacosane                          | 394 | C28H58  | 000630-02-4 | 60   |
| 5    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 58   |



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Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 18.21 | 3.1     | ng/ul | 696948   | 4                     | 17.34 | 4519090 | 20.0 |
| (DEL) Alkane: Str... | 24.41 | 2.6     | ng/ul | 564603   | 6                     | 23.87 | 4373840 | 20.0 |
| (DEL) Alkane: Str... | 25.21 | 2.7     | ng/ul | 583357   | 6                     | 23.87 | 4373840 | 20.0 |