

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030419\  
 Data File : BN004608.D  
 Acq On : 05 Mar 2019 00:24  
 Operator : JU/SJ  
 Sample : K1661-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFC74

## 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\_N\METHODS\SOM-EPA-BN020719MA.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         | 3.234       | 39            | 42          | 48           | rVB      | 4028           | 5397          | 0.35%           | 0.050%        |
| 2         | 6.887       | 657           | 663         | 670          | rBB      | 37382          | 55636         | 3.64%           | 0.515%        |
| 3         | 7.069       | 689           | 694         | 706          | rBB      | 88912          | 139747        | 9.14%           | 1.294%        |
| 4         | 7.257       | 720           | 726         | 734          | rBB      | 112932         | 172091        | 11.25%          | 1.594%        |
| 5         | 7.728       | 800           | 806         | 812          | rBB      | 105926         | 163705        | 10.70%          | 1.516%        |
| 6         | 8.422       | 919           | 924         | 931          | rBB      | 112858         | 165651        | 10.83%          | 1.534%        |
| 7         | 8.893       | 997           | 1004        | 1011         | rBB      | 120025         | 190860        | 12.48%          | 1.768%        |
| 8         | 9.604       | 1119          | 1125        | 1131         | rBB      | 103287         | 158146        | 10.34%          | 1.465%        |
| 9         | 10.128      | 1208          | 1214        | 1222         | rBB      | 168330         | 273785        | 17.90%          | 2.536%        |
| 10        | 10.516      | 1273          | 1280        | 1287         | rBB      | 174694         | 280160        | 18.32%          | 2.595%        |
| 11        | 10.657      | 1300          | 1304        | 1309         | rBB      | 8303           | 12124         | 0.79%           | 0.112%        |
| 12        | 12.104      | 1547          | 1550        | 1553         | rBB      | 2227           | 2640          | 0.17%           | 0.024%        |
| 13        | 13.781      | 1829          | 1835        | 1841         | rBB      | 372712         | 484889        | 31.70%          | 4.492%        |
| 14        | 14.063      | 1877          | 1883        | 1891         | rBV      | 420770         | 596564        | 39.00%          | 5.526%        |
| 15        | 14.369      | 1929          | 1935        | 1942         | rBB2     | 292649         | 433467        | 28.34%          | 4.015%        |
| 16        | 14.563      | 1963          | 1968        | 1975         | rBB      | 41347          | 54400         | 3.56%           | 0.504%        |
| 17        | 15.110      | 2057          | 2061        | 2064         | rBB      | 5322           | 6482          | 0.42%           | 0.060%        |
| 18        | 15.363      | 2098          | 2104        | 2110         | rBB      | 560537         | 774400        | 50.63%          | 7.173%        |
| 19        | 15.486      | 2120          | 2125        | 2131         | rBB      | 157428         | 203157        | 13.28%          | 1.882%        |
| 20        | 15.604      | 2142          | 2145        | 2148         | rBB      | 3886           | 4164          | 0.27%           | 0.039%        |
| 21        | 17.116      | 2396          | 2402        | 2409         | rVB2     | 390000         | 560182        | 36.62%          | 5.189%        |
| 22        | 17.216      | 2413          | 2419        | 2428         | rBV2     | 661694         | 907241        | 59.32%          | 8.404%        |
| 23        | 17.998      | 2548          | 2552        | 2557         | rBB      | 11153          | 11937         | 0.78%           | 0.111%        |
| 24        | 19.145      | 2744          | 2747        | 2754         | rBV      | 5974           | 7439          | 0.49%           | 0.069%        |
| 25        | 19.286      | 2767          | 2771        | 2776         | rBV2     | 16733          | 16574         | 1.08%           | 0.154%        |
| 26        | 19.404      | 2788          | 2791        | 2797         | rVB      | 4594           | 5620          | 0.37%           | 0.052%        |
| 27        | 19.522      | 2804          | 2811        | 2817         | rBV      | 852139         | 1172661       | 76.67%          | 10.862%       |
| 28        | 21.016      | 3062          | 3065        | 3068         | rVB2     | 3399           | 3020          | 0.20%           | 0.028%        |
| 29        | 21.316      | 3111          | 3116        | 3122         | rBV      | 676773         | 812724        | 53.14%          | 7.528%        |
| 30        | 21.451      | 3136          | 3139        | 3144         | rBV      | 14255          | 14239         | 0.93%           | 0.132%        |
| 31        | 21.892      | 3209          | 3214        | 3217         | rBV      | 35402          | 38342         | 2.51%           | 0.355%        |
| 32        | 22.357      | 3288          | 3293        | 3298         | rBV      | 65034          | 80026         | 5.23%           | 0.741%        |
| 33        | 22.486      | 3311          | 3315        | 3318         | rBV      | 7684           | 8285          | 0.54%           | 0.077%        |
| 34        | 22.863      | 3370          | 3379        | 3385         | rBV      | 83628          | 119375        | 7.80%           | 1.106%        |

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Sample : K1661-05  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFC74

## 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\_N\METHODS\SOM-EPA-BN020719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 23.439 | 3469 | 3477 | 3489 | rBV2 | 859904 | 1529515 | 100.00% | 14.168% |
| 36 | 23.580 | 3493 | 3501 | 3515 | rVB2 | 457757 | 852875  | 55.76%  | 7.900%  |
| 37 | 24.086 | 3580 | 3587 | 3594 | rBV  | 76743  | 144481  | 9.45%   | 1.338%  |
| 38 | 24.833 | 3707 | 3714 | 3722 | rBV  | 67163  | 140258  | 9.17%   | 1.299%  |
| 39 | 25.709 | 3856 | 3863 | 3873 | rBV  | 39789  | 93887   | 6.14%   | 0.870%  |
| 40 | 26.745 | 4032 | 4039 | 4048 | rVB  | 25819  | 67118   | 4.39%   | 0.622%  |
| 41 | 27.974 | 4241 | 4248 | 4256 | rVB2 | 11272  | 32279   | 2.11%   | 0.299%  |

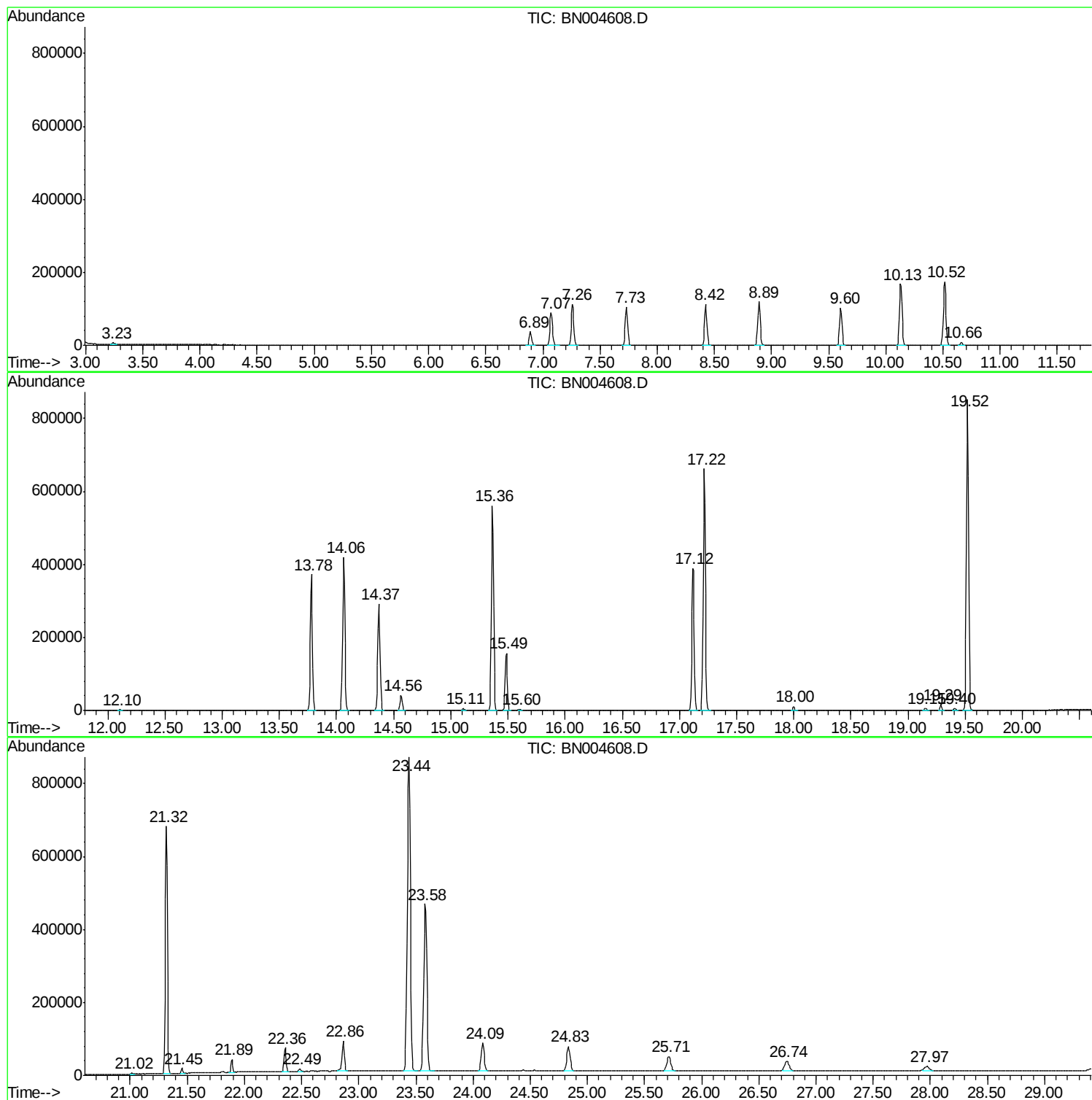
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION

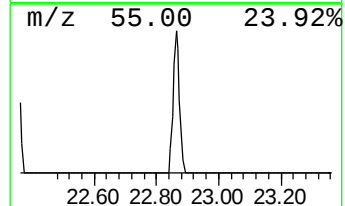
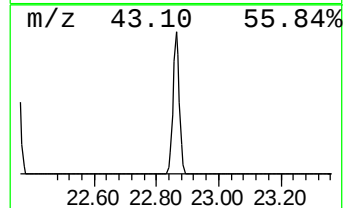
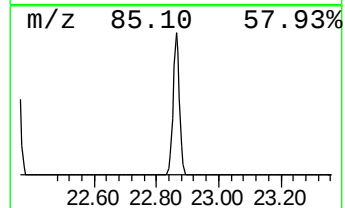
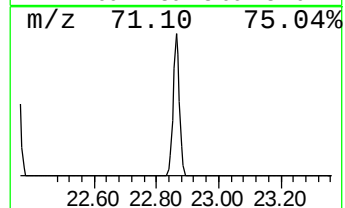
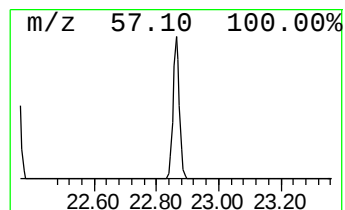
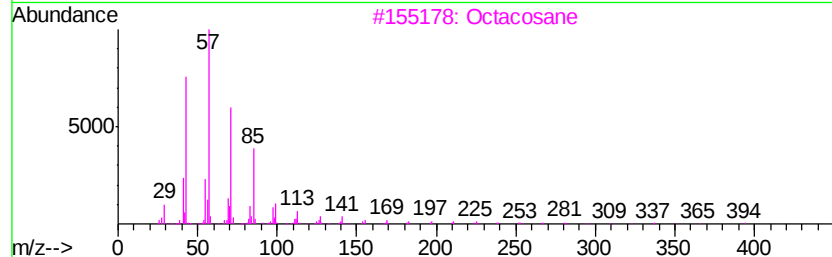
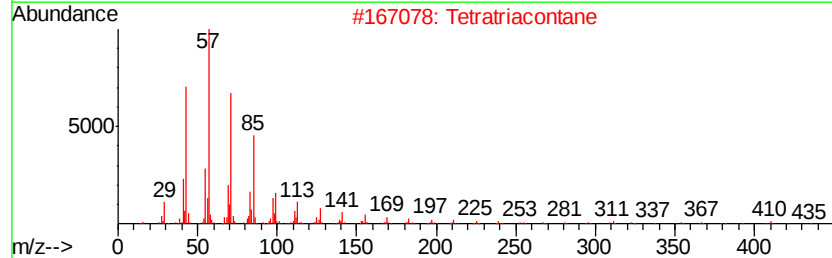
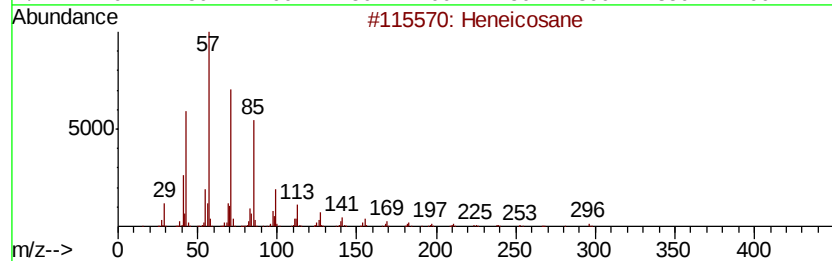
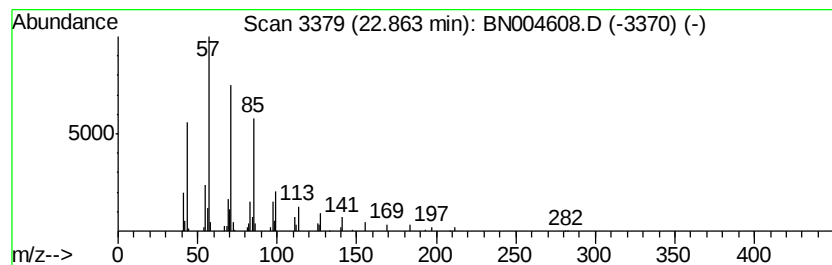
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.86 | 2.80 ng/ul | 119375 | Perylene-d12     | 23.58 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Tetratriacontane | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | triacontane      | 422 | C30H62  | 000638-68-6 | 91   |
| 5    |    | Hentriacontane   | 437 | C31H64  | 000630-04-6 | 90   |



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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION

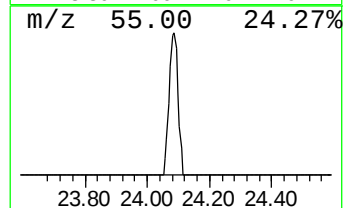
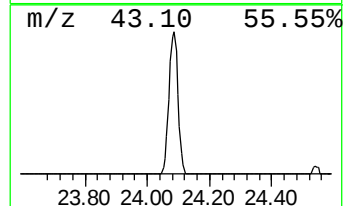
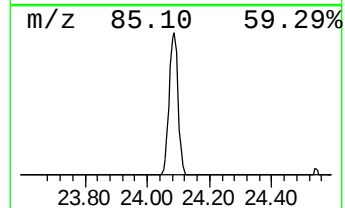
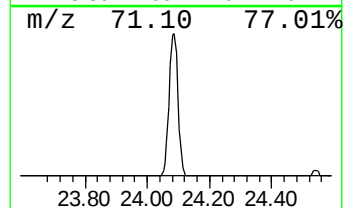
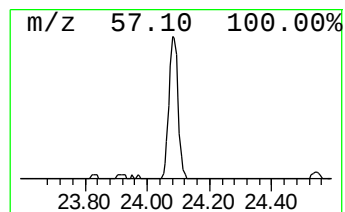
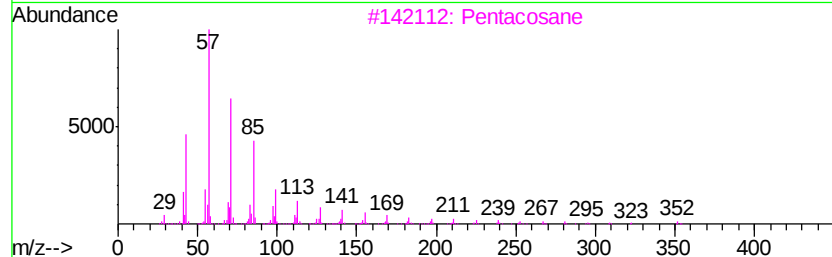
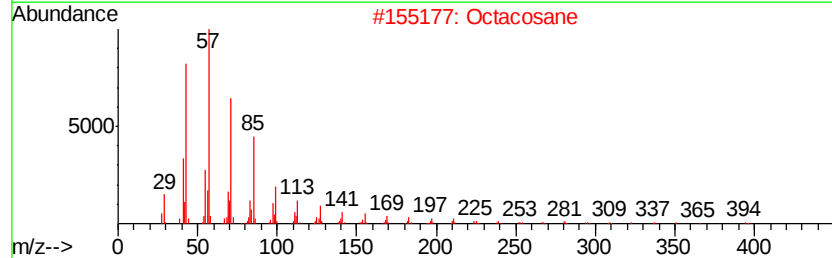
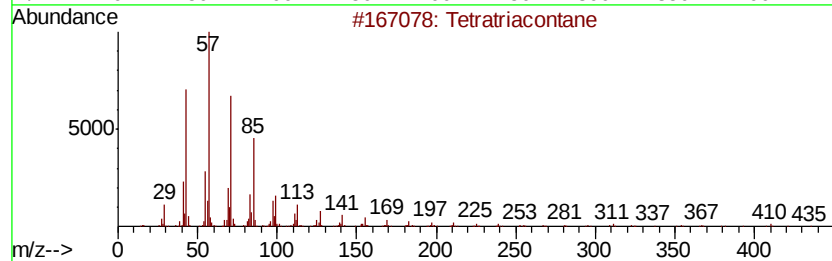
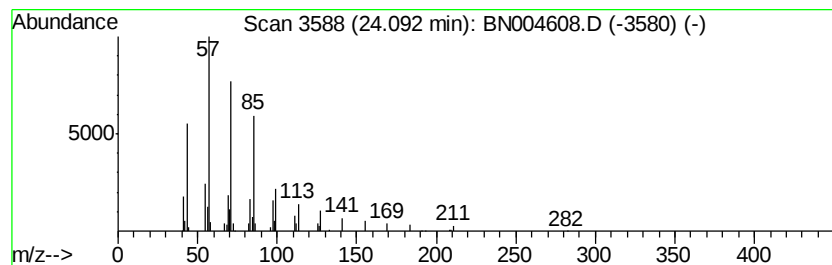
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.09 | 3.39 ng/ul | 144481 | Perylene-d12     | 23.58 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Pentacosane       | 352 | C25H52  | 000629-99-2 | 91   |
| 4    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION

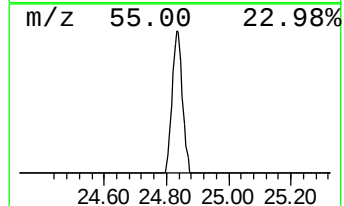
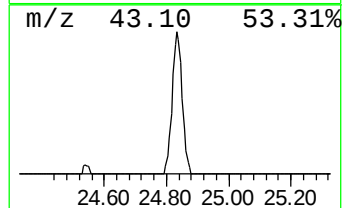
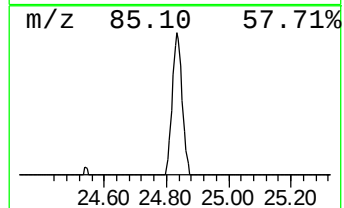
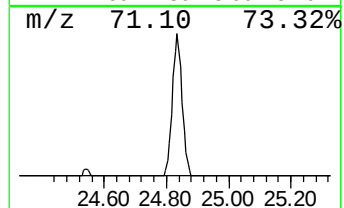
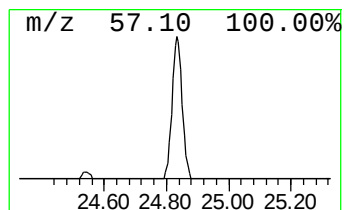
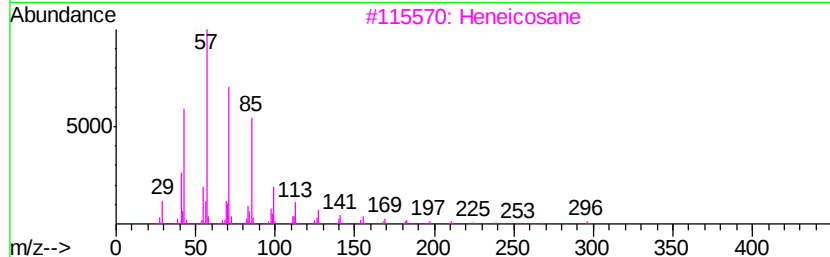
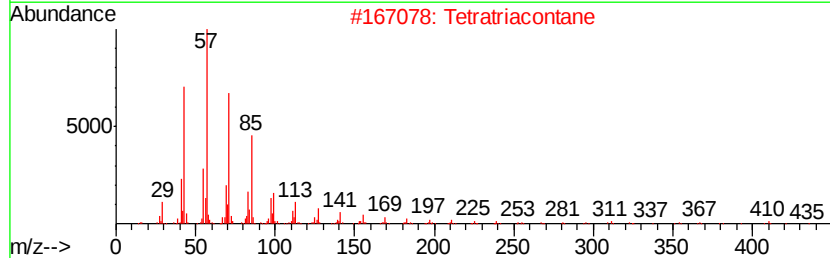
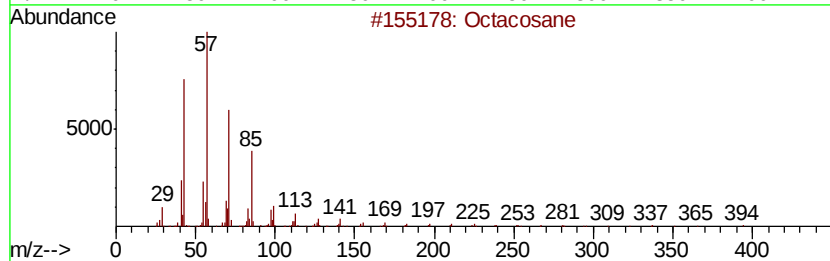
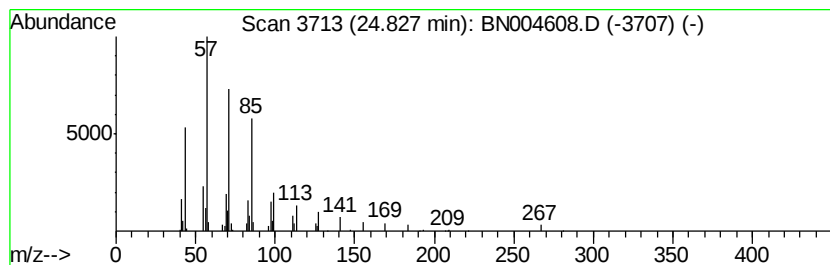
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.83 | 3.29 ng/ul | 140258 | Perylene-d12     | 23.58 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 3    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |



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Quant Title : SVOA CALIBRATION

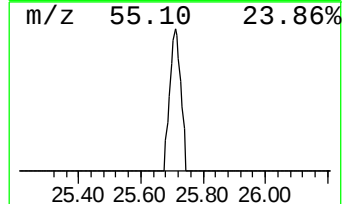
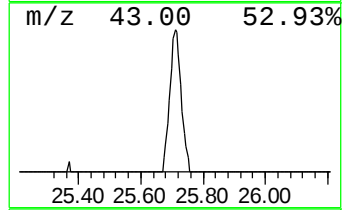
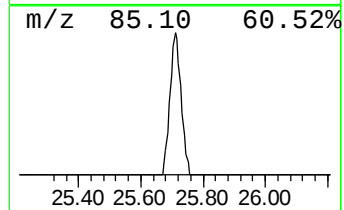
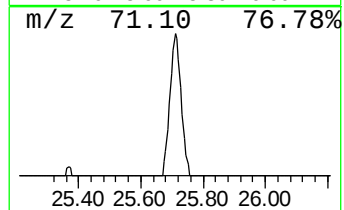
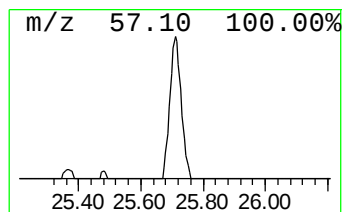
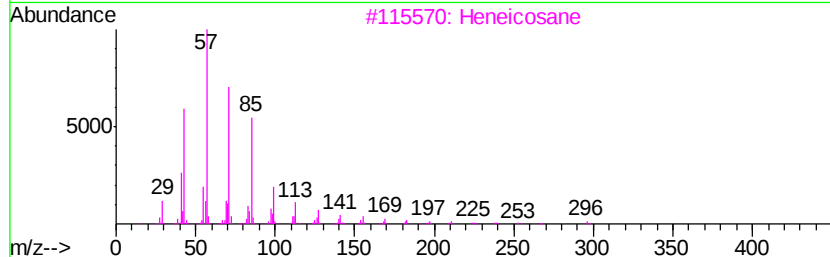
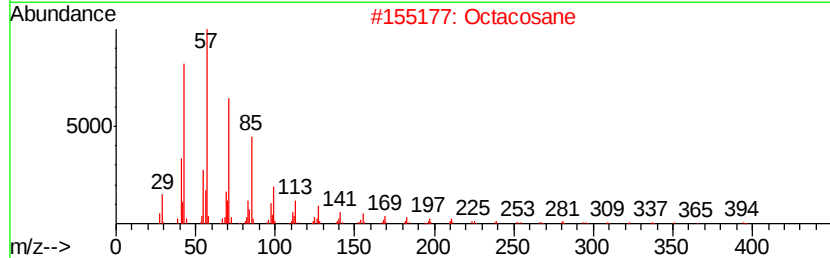
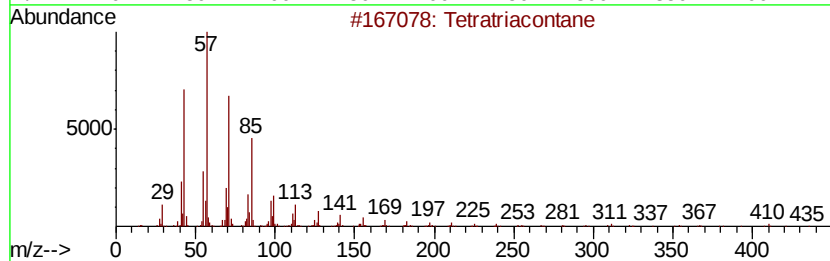
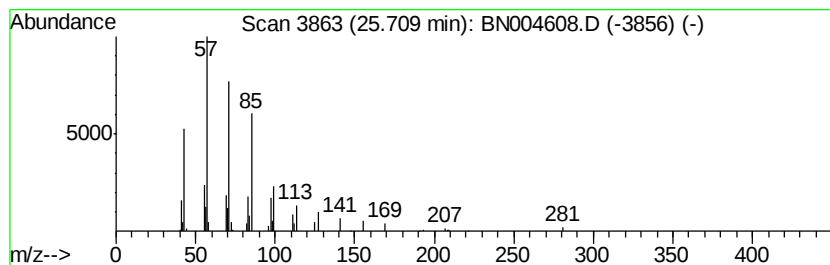
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.71 | 2.20 ng/ul | 93887 | Perylene-d12     | 23.58 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 5    |    | triacontane       | 422 | C30H62  | 000638-68-6 | 91   |



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Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 22.86 | 2.8     | ng/ul | 119375   | 6                     | 23.58 | 852875 | 20.0 |
| (DEL) Alkane: Str... | 24.09 | 3.4     | ng/ul | 144481   | 6                     | 23.58 | 852875 | 20.0 |
| (DEL) Alkane: Str... | 24.83 | 3.3     | ng/ul | 140258   | 6                     | 23.58 | 852875 | 20.0 |
| (DEL) Alkane: Str... | 25.71 | 2.2     | ng/ul | 93887    | 6                     | 23.58 | 852875 | 20.0 |