

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\  
 Data File : BN004696.D  
 Acq On : 09 Mar 2019 04:59  
 Operator : JU/SJ  
 Sample : K1796-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BF5R7

## 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-BN030719MA.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         | 3.223       | 38            | 40          | 48           | rVB      | 3887           | 4690          | 0.42%           | 0.049%        |
| 2         | 6.881       | 657           | 662         | 668          | rBB      | 35474          | 52256         | 4.68%           | 0.550%        |
| 3         | 7.063       | 687           | 693         | 703          | rBB      | 88169          | 139972        | 12.53%          | 1.474%        |
| 4         | 7.252       | 719           | 725         | 731          | rBB      | 117196         | 175976        | 15.75%          | 1.854%        |
| 5         | 7.722       | 799           | 805         | 811          | rBB      | 95772          | 147437        | 13.20%          | 1.553%        |
| 6         | 8.416       | 917           | 923         | 930          | rBB      | 106278         | 159609        | 14.29%          | 1.681%        |
| 7         | 8.881       | 996           | 1002        | 1009         | rBB      | 128683         | 202774        | 18.15%          | 2.136%        |
| 8         | 9.599       | 1117          | 1124        | 1130         | rBB      | 115213         | 177960        | 15.93%          | 1.875%        |
| 9         | 10.122      | 1207          | 1213        | 1221         | rBB      | 191464         | 294342        | 26.35%          | 3.101%        |
| 10        | 10.504      | 1272          | 1278        | 1285         | rBB      | 157198         | 254442        | 22.78%          | 2.680%        |
| 11        | 10.652      | 1298          | 1303        | 1308         | rBB      | 5167           | 7490          | 0.67%           | 0.079%        |
| 12        | 12.099      | 1545          | 1549        | 1552         | rBB      | 2365           | 2973          | 0.27%           | 0.031%        |
| 13        | 13.769      | 1828          | 1833        | 1839         | rBV      | 363915         | 506444        | 45.33%          | 5.335%        |
| 14        | 14.057      | 1875          | 1882        | 1888         | rBV      | 432504         | 637703        | 57.08%          | 6.718%        |
| 15        | 14.363      | 1928          | 1934        | 1940         | rBB2     | 270910         | 394844        | 35.34%          | 4.159%        |
| 16        | 14.563      | 1963          | 1968        | 1974         | rBB      | 42403          | 57939         | 5.19%           | 0.610%        |
| 17        | 15.104      | 2056          | 2060        | 2063         | rBB      | 7101           | 8289          | 0.74%           | 0.087%        |
| 18        | 15.357      | 2097          | 2103        | 2109         | rBB      | 582921         | 807462        | 72.28%          | 8.506%        |
| 19        | 15.481      | 2119          | 2124        | 2129         | rBB      | 171805         | 219808        | 19.68%          | 2.315%        |
| 20        | 15.592      | 2140          | 2143        | 2147         | rBB      | 3925           | 4674          | 0.42%           | 0.049%        |
| 21        | 17.110      | 2395          | 2401        | 2407         | rBB      | 371817         | 503456        | 45.07%          | 5.303%        |
| 22        | 17.210      | 2411          | 2418        | 2424         | rBV2     | 653106         | 900078        | 80.57%          | 9.481%        |
| 23        | 17.992      | 2547          | 2551        | 2556         | rBB      | 20360          | 22856         | 2.05%           | 0.241%        |
| 24        | 19.139      | 2741          | 2746        | 2751         | rBV      | 6192           | 7260          | 0.65%           | 0.076%        |
| 25        | 19.280      | 2766          | 2770        | 2777         | rBV      | 20308          | 23682         | 2.12%           | 0.249%        |
| 26        | 19.398      | 2785          | 2790        | 2796         | rBV      | 5061           | 5512          | 0.49%           | 0.058%        |
| 27        | 19.510      | 2803          | 2809        | 2816         | rBV      | 835658         | 1117161       | 100.00%         | 11.768%       |
| 28        | 21.004      | 3061          | 3063        | 3066         | rBV2     | 3005           | 2573          | 0.23%           | 0.027%        |
| 29        | 21.210      | 3095          | 3098        | 3101         | rBV      | 9281           | 8566          | 0.77%           | 0.090%        |
| 30        | 21.310      | 3109          | 3115        | 3120         | rBV      | 495536         | 621052        | 55.59%          | 6.542%        |
| 31        | 21.439      | 3134          | 3137        | 3141         | rBV      | 12996          | 13118         | 1.17%           | 0.138%        |
| 32        | 21.810      | 3199          | 3200        | 3204         | rVB4     | 2814           | 1916          | 0.17%           | 0.020%        |
| 33        | 21.874      | 3207          | 3211        | 3216         | rBV      | 29894          | 35315         | 3.16%           | 0.372%        |
| 34        | 22.339      | 3285          | 3290        | 3295         | rBV      | 56619          | 67220         | 6.02%           | 0.708%        |

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Sample : K1796-08  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5R7

## 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-BN030719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 22.845 | 3368 | 3376 | 3381 | rVB  | 70993  | 99590   | 8.91%  | 1.049%  |
| 36 | 23.421 | 3466 | 3474 | 3483 | rBV2 | 564170 | 1030964 | 92.28% | 10.860% |
| 37 | 23.563 | 3490 | 3498 | 3506 | rBV  | 280652 | 502622  | 44.99% | 5.295%  |
| 38 | 24.063 | 3577 | 3583 | 3589 | rBV  | 57540  | 101939  | 9.12%  | 1.074%  |
| 39 | 24.810 | 3703 | 3710 | 3717 | rBV  | 41879  | 86729   | 7.76%  | 0.914%  |
| 40 | 25.680 | 3851 | 3858 | 3866 | rVB  | 21061  | 51580   | 4.62%  | 0.543%  |
| 41 | 26.710 | 4026 | 4033 | 4042 | rVB2 | 12249  | 32838   | 2.94%  | 0.346%  |

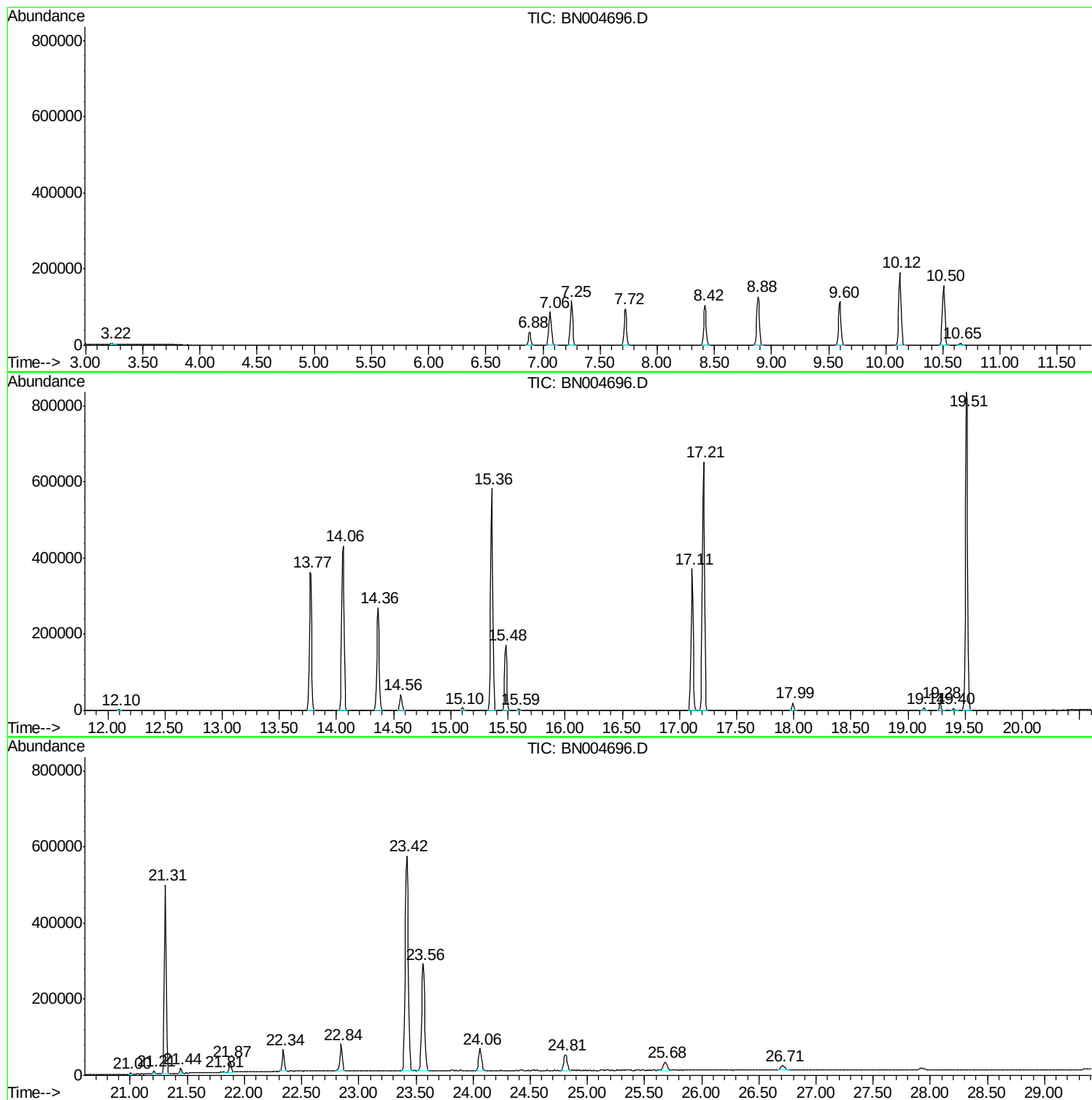
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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-BN030719MA.M  
Quant Title : SVOA CALIBRATION

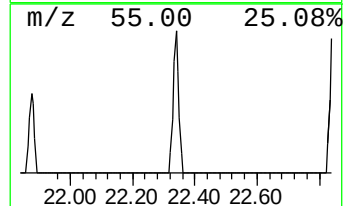
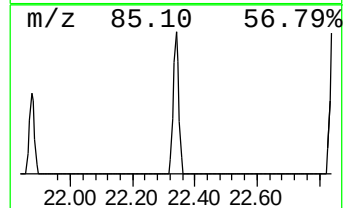
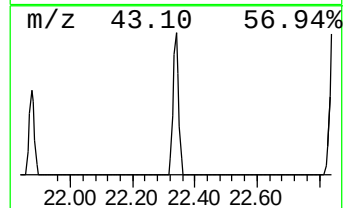
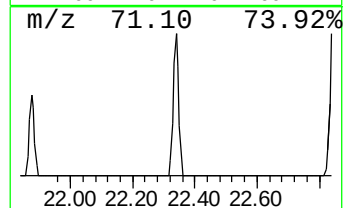
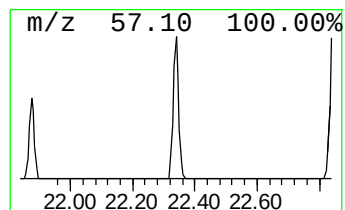
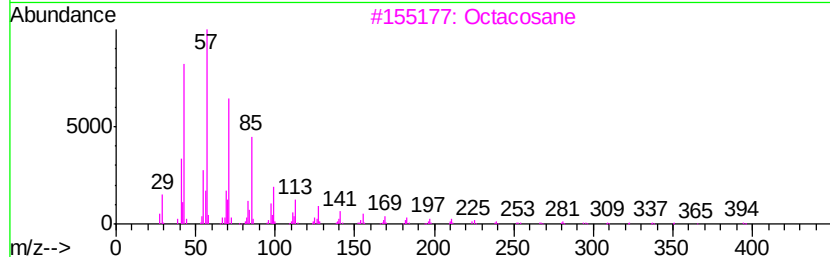
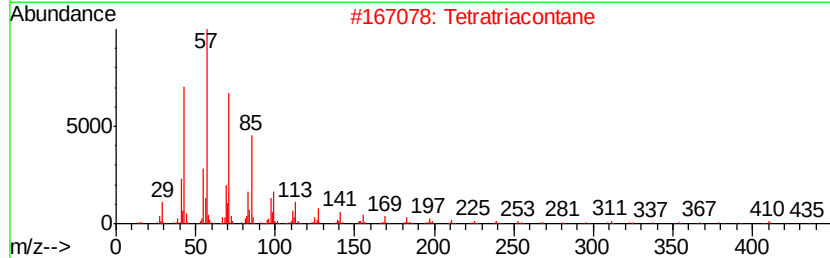
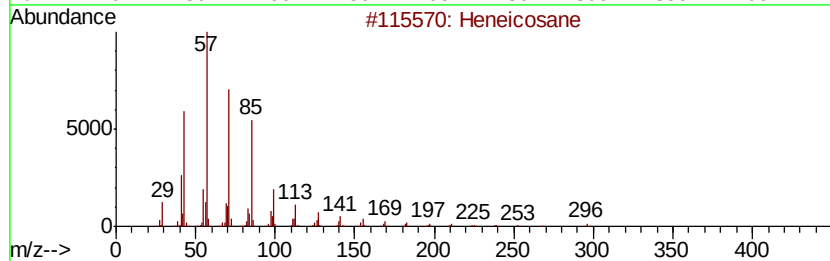
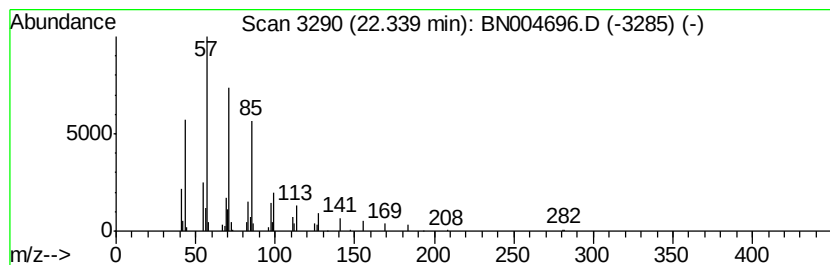
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.34 | 2.16 ng/ul | 67220 | Chrysene-d12     | 21.31 |

| 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    |    | Octacosane       | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Triacotane       | 422 | C30H62  | 000638-68-6 | 91   |



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Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

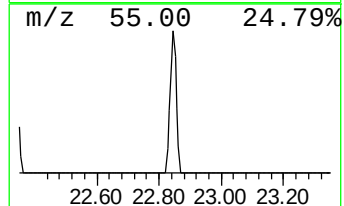
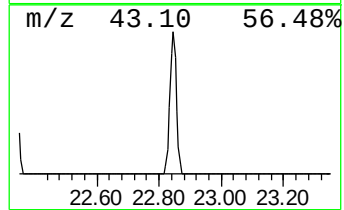
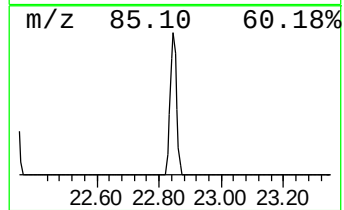
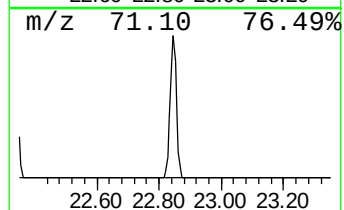
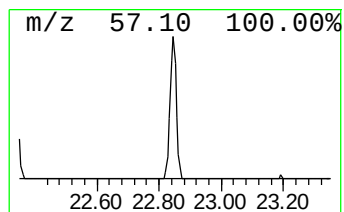
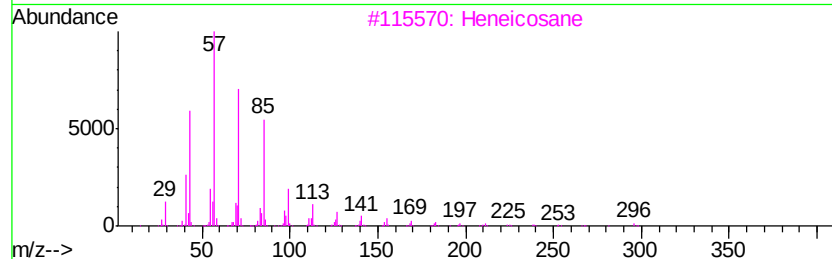
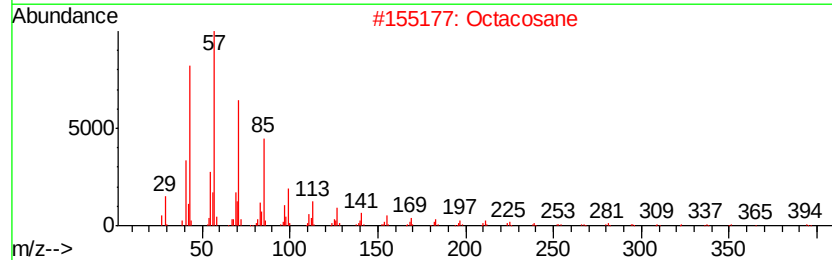
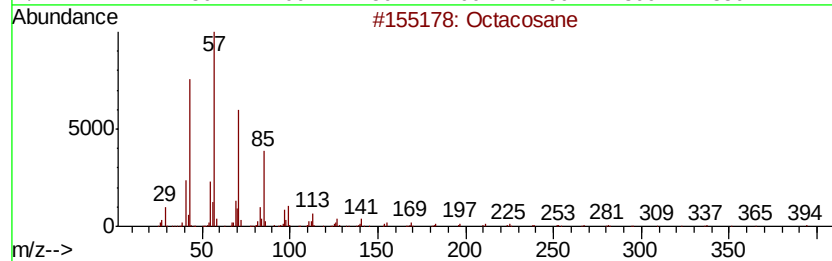
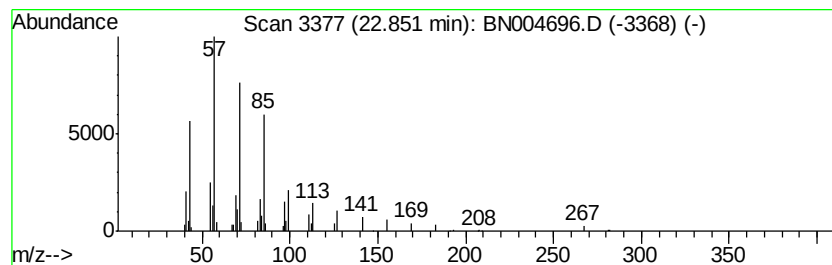
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.85 | 3.96 ng/ul | 99590 | Perylene-d12     | 23.56 |

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

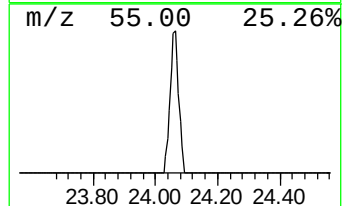
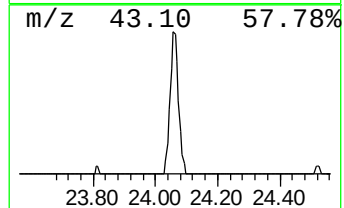
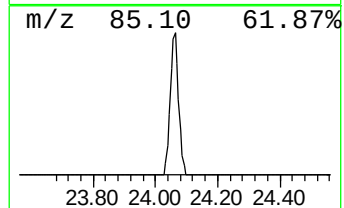
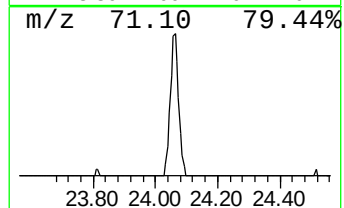
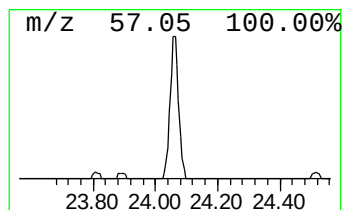
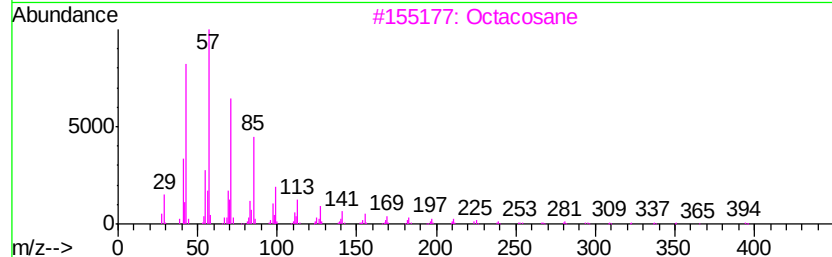
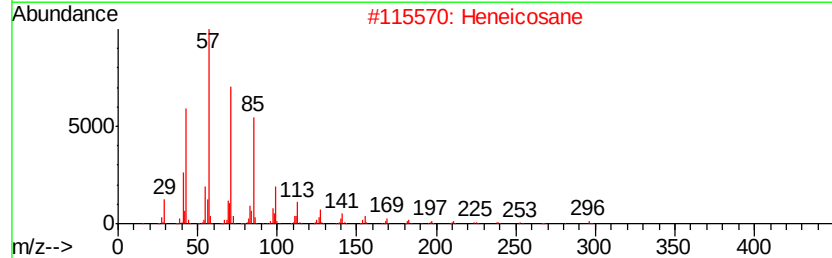
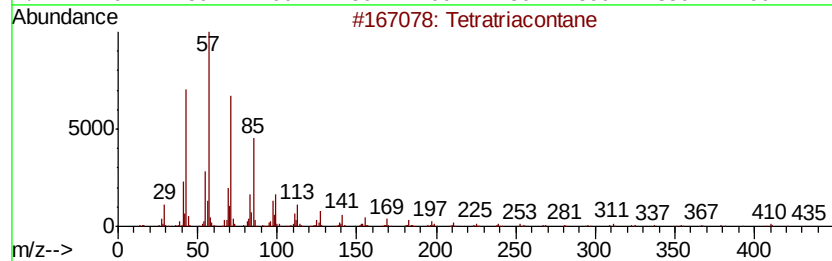
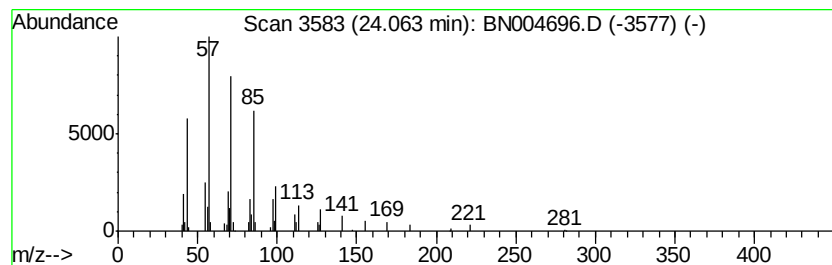
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.06 | 4.06 ng/ul | 101939 | Perylene-d12     | 23.56 |

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



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Quant Title : SVOA CALIBRATION

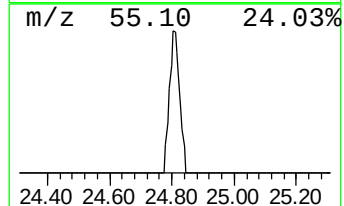
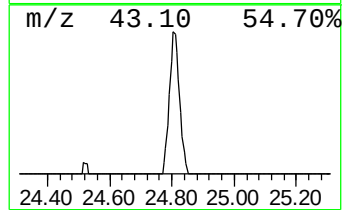
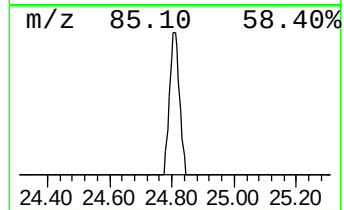
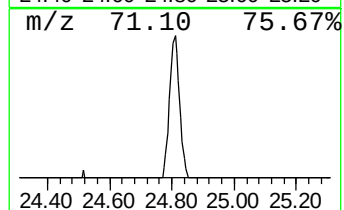
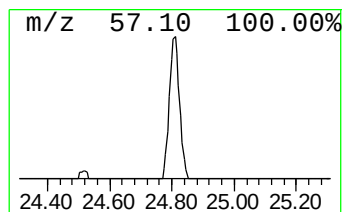
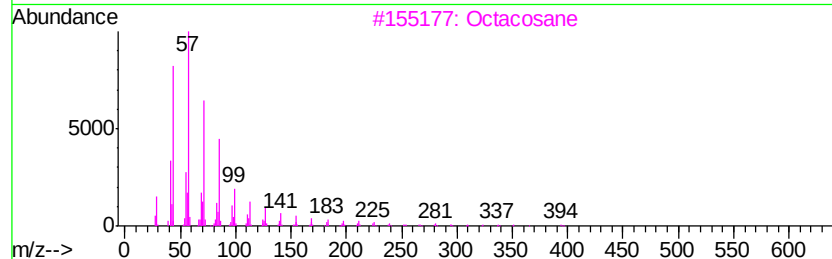
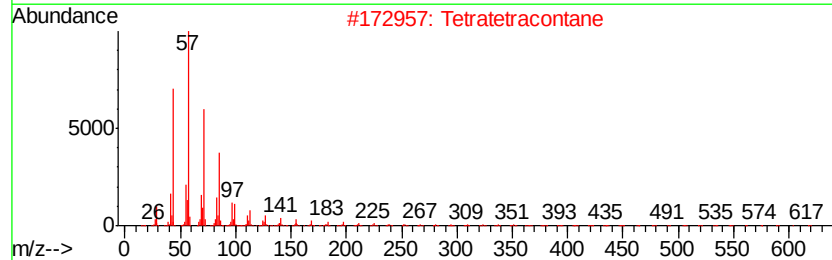
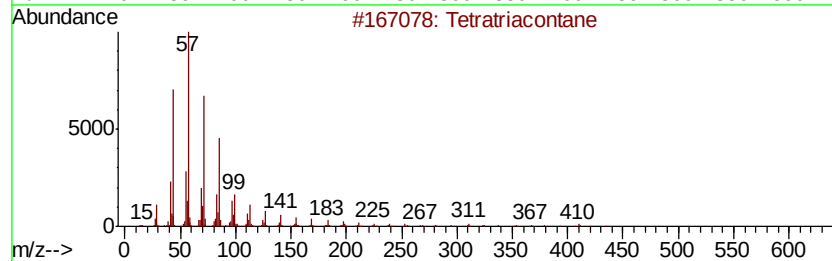
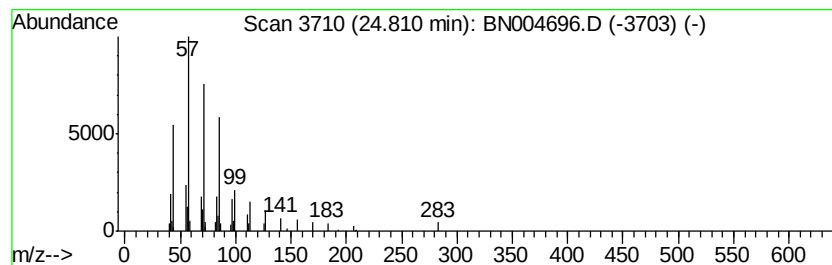
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.81 | 3.45 ng/ul | 86729 | Perylene-d12     | 23.56 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    |   | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    |   | Pentacosane       | 352 | C25H52  | 000629-99-2 | 91   |
| 5    |    |   | Hexacosane        | 366 | C26H54  | 000630-01-3 | 91   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

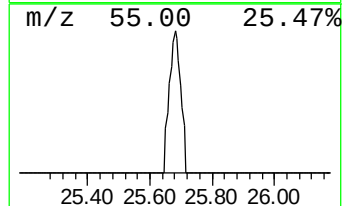
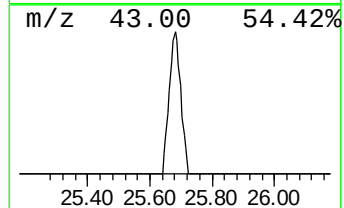
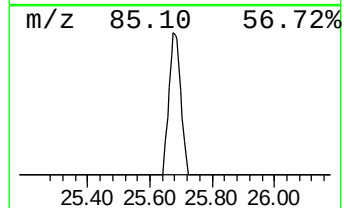
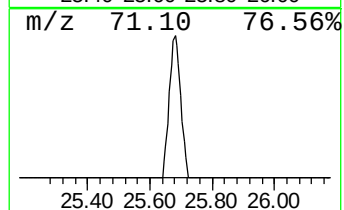
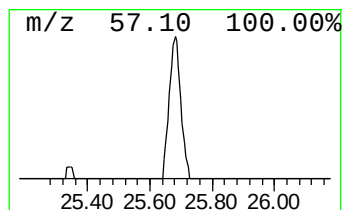
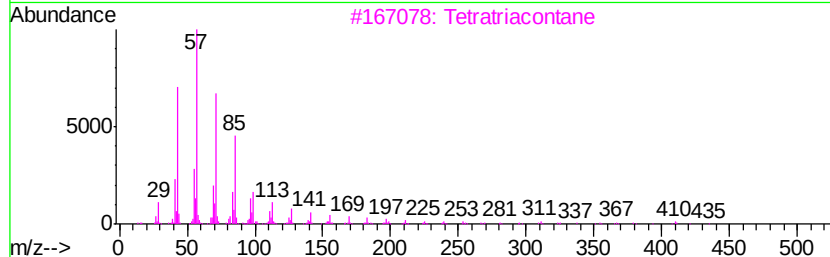
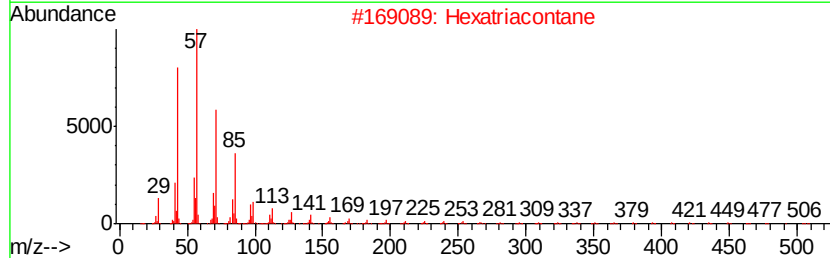
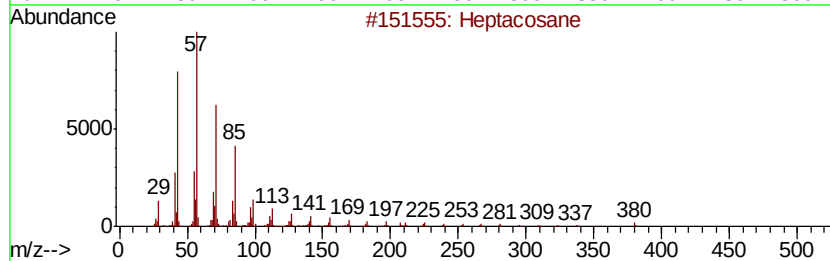
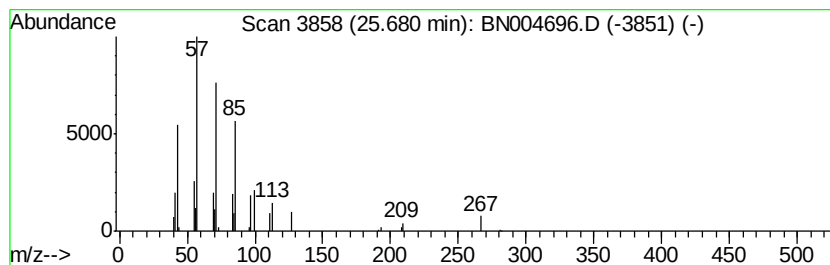
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 25.68 | 2.05 ng/ul | 51580 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane           | 380 | C27H56  | 000593-49-7 | 90   |
| 2    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 90   |
| 3    |    | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 90   |
| 4    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 83   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 78   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN030819\  
Data File : BN004696.D  
Acq On : 09 Mar 2019 04:59  
Operator : JU/SJ  
Sample : K1796-08  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BF5R7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
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... | 22.34 | 2.2     | ng/ul | 67220    | 5                     | 21.31 | 621052 | 20.0 |
| (DEL) Alkane: Str... | 22.85 | 4.0     | ng/ul | 99590    | 6                     | 23.56 | 502622 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 4.1     | ng/ul | 101939   | 6                     | 23.56 | 502622 | 20.0 |
| (DEL) Alkane: Str... | 24.81 | 3.5     | ng/ul | 86729    | 6                     | 23.56 | 502622 | 20.0 |
| (DEL) Alkane: Str... | 25.68 | 2.0     | ng/ul | 51580    | 6                     | 23.56 | 502622 | 20.0 |