

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN031519\  
 Data File : BN004777.D  
 Acq On : 15 Mar 2019 18:35  
 Operator : JU/SJ  
 Sample : K1919-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C09G2

## 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         | 3.217       | 35            | 39          | 44           | rVB      | 2524           | 3459          | 0.31%           | 0.047%        |
| 2         | 6.881       | 656           | 662         | 669          | rBV      | 13649          | 19723         | 1.77%           | 0.268%        |
| 3         | 7.052       | 685           | 691         | 699          | rBV      | 59235          | 92049         | 8.24%           | 1.251%        |
| 4         | 7.240       | 717           | 723         | 730          | rVB      | 68123          | 104847        | 9.39%           | 1.425%        |
| 5         | 7.710       | 797           | 803         | 810          | rVB      | 82014          | 124982        | 11.19%          | 1.699%        |
| 6         | 8.410       | 917           | 922         | 930          | rVB      | 50336          | 77810         | 6.97%           | 1.058%        |
| 7         | 8.869       | 994           | 1000        | 1007         | rBV      | 79344          | 124553        | 11.15%          | 1.693%        |
| 8         | 9.587       | 1116          | 1122        | 1129         | rBV      | 69429          | 103566        | 9.27%           | 1.408%        |
| 9         | 10.116      | 1206          | 1212        | 1226         | rVB      | 90743          | 159262        | 14.26%          | 2.165%        |
| 10        | 10.493      | 1269          | 1276        | 1283         | rVB      | 123855         | 198493        | 17.77%          | 2.698%        |
| 11        | 12.093      | 1545          | 1548        | 1552         | rBV      | 1103           | 1323          | 0.12%           | 0.018%        |
| 12        | 13.763      | 1826          | 1832        | 1839         | rVB      | 257586         | 341007        | 30.53%          | 4.635%        |
| 13        | 14.045      | 1874          | 1880        | 1891         | rVB      | 284133         | 399339        | 35.75%          | 5.428%        |
| 14        | 14.351      | 1926          | 1932        | 1939         | rVB2     | 197653         | 300624        | 26.91%          | 4.086%        |
| 15        | 14.575      | 1967          | 1970        | 1979         | rVB      | 5954           | 10248         | 0.92%           | 0.139%        |
| 16        | 15.345      | 2095          | 2101        | 2107         | rVB      | 385663         | 542514        | 48.57%          | 7.374%        |
| 17        | 15.475      | 2118          | 2123        | 2134         | rVB      | 117337         | 143644        | 12.86%          | 1.953%        |
| 18        | 15.592      | 2138          | 2143        | 2145         | rVV      | 1933           | 2348          | 0.21%           | 0.032%        |
| 19        | 17.098      | 2394          | 2399        | 2406         | rBV2     | 280476         | 390317        | 34.94%          | 5.305%        |
| 20        | 17.198      | 2410          | 2416        | 2426         | rVB2     | 462461         | 643350        | 57.59%          | 8.745%        |
| 21        | 19.139      | 2742          | 2746        | 2749         | rBV2     | 3891           | 4731          | 0.42%           | 0.064%        |
| 22        | 19.392      | 2784          | 2789        | 2792         | rBV      | 2854           | 3206          | 0.29%           | 0.044%        |
| 23        | 19.504      | 2802          | 2808        | 2817         | rBV2     | 603942         | 819612        | 73.37%          | 11.141%       |
| 24        | 20.998      | 3059          | 3062        | 3063         | rBV2     | 1971           | 1341          | 0.12%           | 0.018%        |
| 25        | 21.304      | 3108          | 3114        | 3123         | rBV      | 454618         | 571602        | 51.17%          | 7.770%        |
| 26        | 21.433      | 3133          | 3136        | 3140         | rBV      | 6504           | 6505          | 0.58%           | 0.088%        |
| 27        | 21.869      | 3206          | 3210        | 3216         | rBV      | 18413          | 19337         | 1.73%           | 0.263%        |
| 28        | 22.333      | 3285          | 3289        | 3294         | rBV      | 39321          | 45971         | 4.12%           | 0.625%        |
| 29        | 22.839      | 3369          | 3375        | 3380         | rVB      | 50827          | 71621         | 6.41%           | 0.974%        |
| 30        | 23.416      | 3465          | 3473        | 3483         | rBV2     | 595268         | 1117056       | 100.00%         | 15.184%       |
| 31        | 23.563      | 3490          | 3498        | 3509         | rVB      | 333192         | 632293        | 56.60%          | 8.595%        |
| 32        | 24.051      | 3575          | 3581        | 3588         | rVB      | 51633          | 93533         | 8.37%           | 1.271%        |
| 33        | 24.798      | 3701          | 3708        | 3716         | rBV      | 42763          | 89675         | 8.03%           | 1.219%        |
| 34        | 25.662      | 3849          | 3855        | 3864         | rVB      | 21978          | 53066         | 4.75%           | 0.721%        |

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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :  
C09G2

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0.1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 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 | 26.433 | 3984 | 3986 | 3987 | rBV  | 1964  | 1688  | 0.15% | 0.023% |
| 36 | 26.692 | 4022 | 4030 | 4039 | rVB2 | 15348 | 42148 | 3.77% | 0.573% |

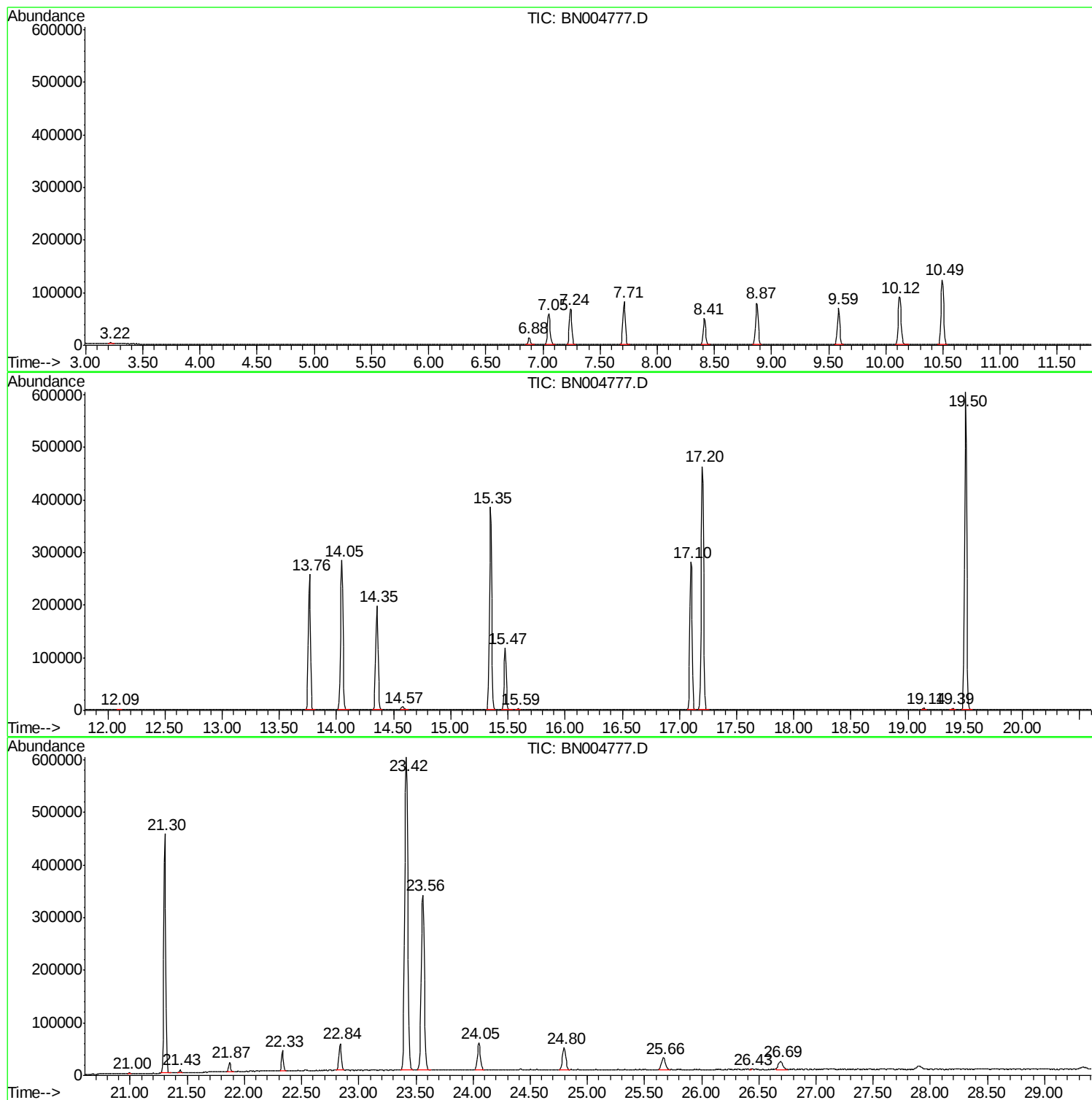
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN030719MA.M  
Quant Title : SVOA CALIBRATION

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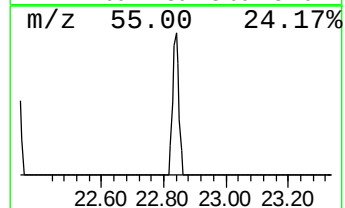
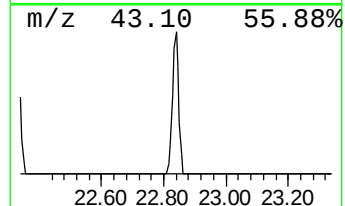
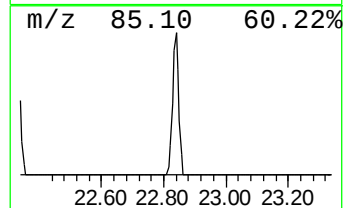
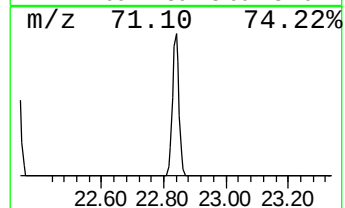
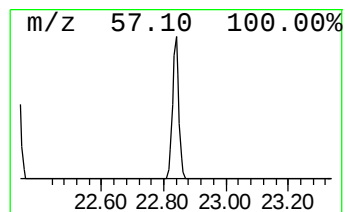
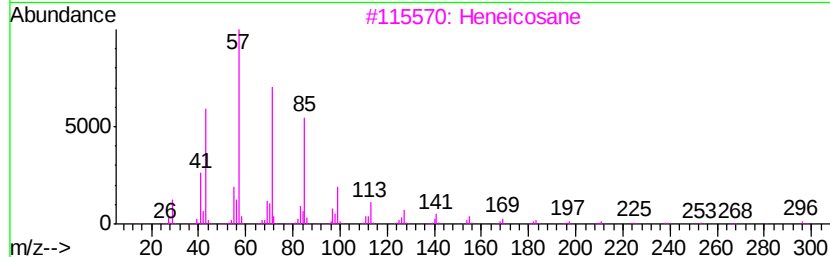
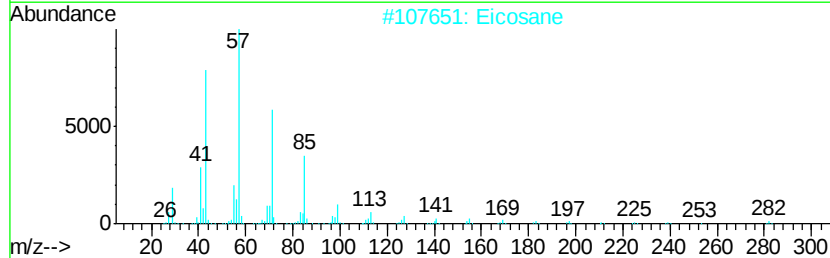
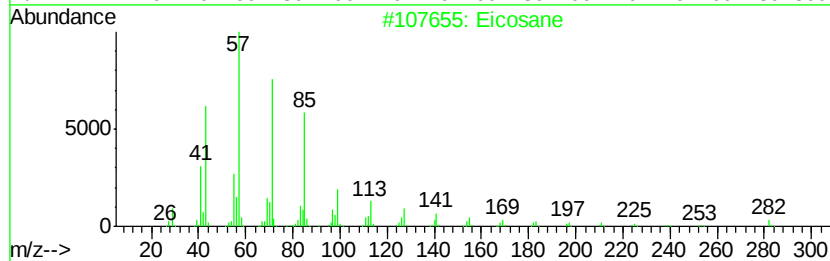
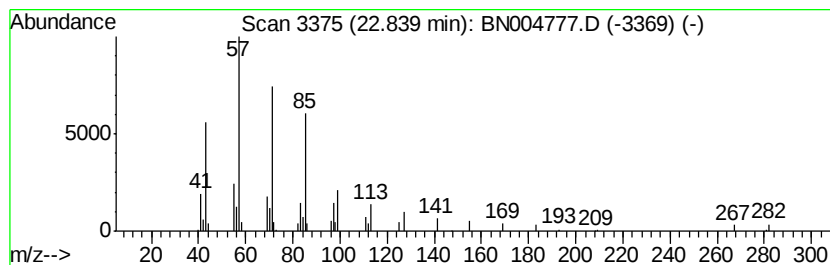
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 22.84 | 2.27 ng/ul | 71621 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 98   |
| 2    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 94   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 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

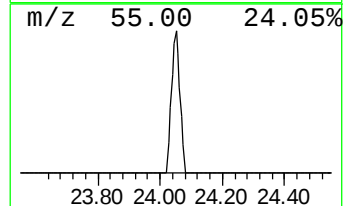
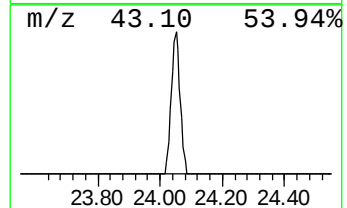
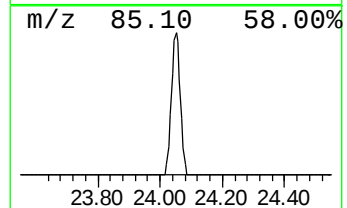
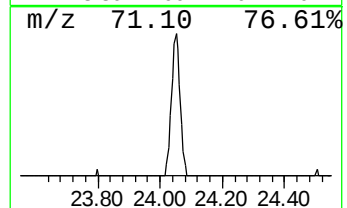
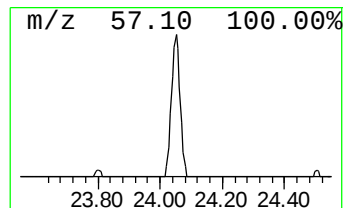
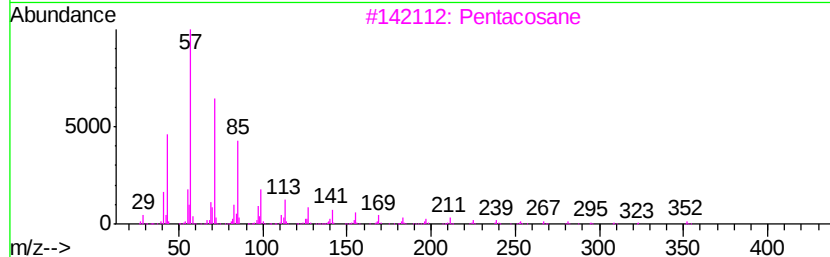
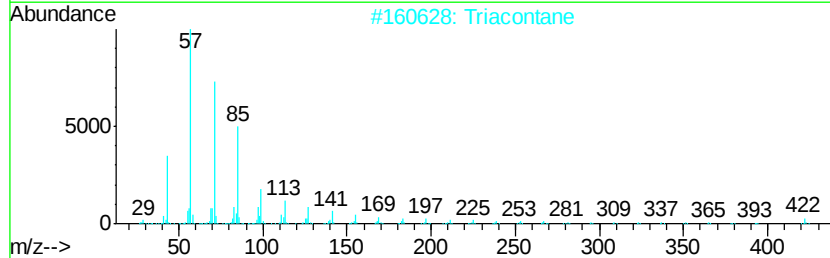
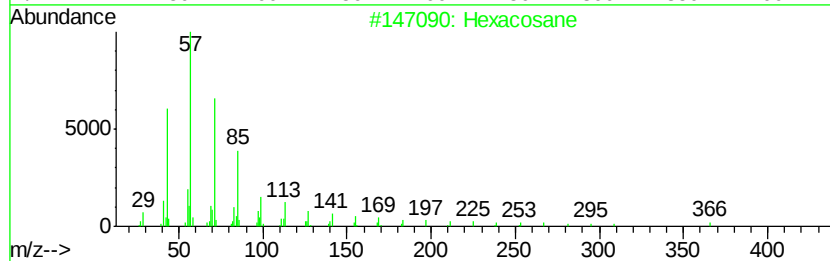
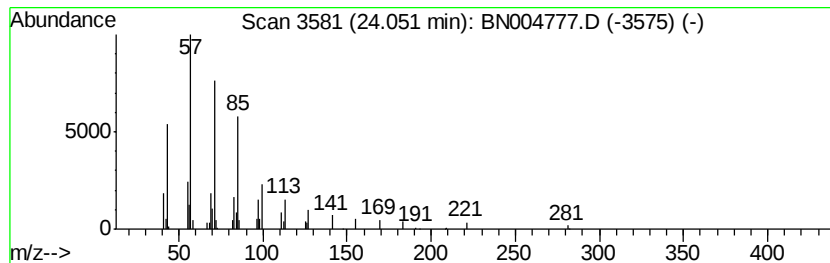
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.05 | 2.96 ng/ul | 93533 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    | Triacosane            | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 91   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



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

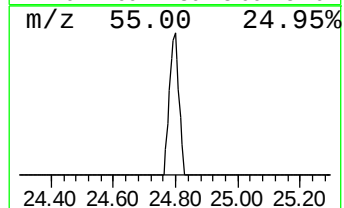
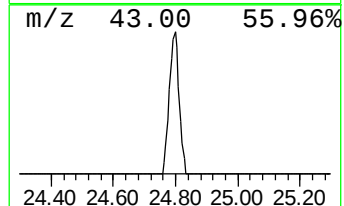
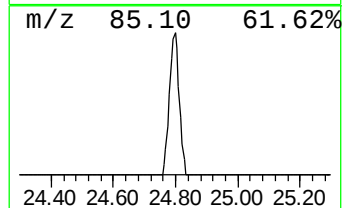
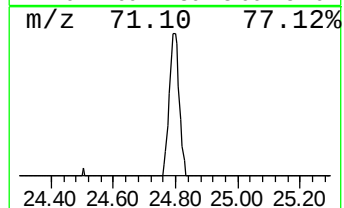
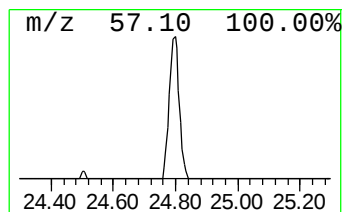
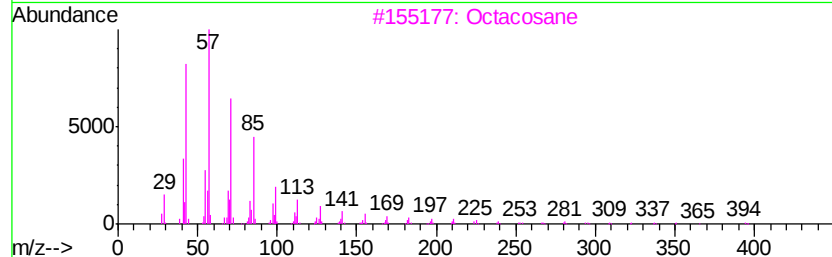
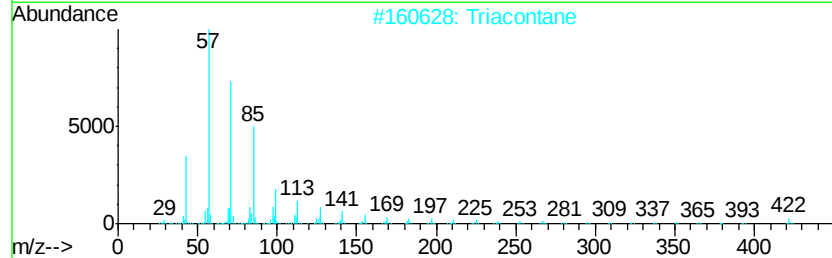
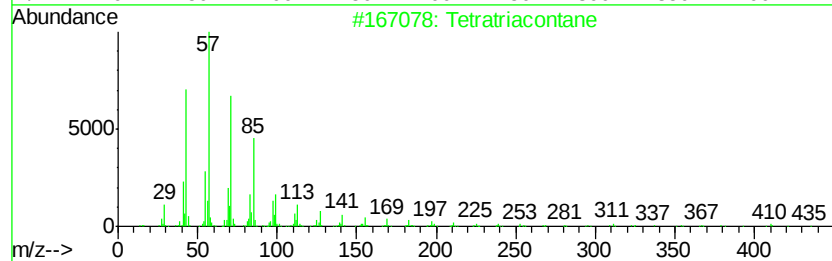
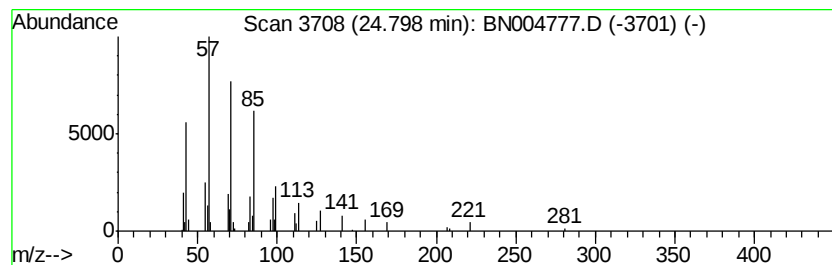
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.80 | 2.84 ng/ul | 89675 | Perylene-d12     | 23.56 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane  | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Triacontane       | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Pentacosane       | 352 | C25H52  | 000629-99-2 | 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

|                      |       |         |       |          | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Str... | 22.84 | 2.3     | ng/ul | 71621    | 6                     | 23.56 | 632293 | 20.0 |
| (DEL) Alkane: Str... | 24.05 | 3.0     | ng/ul | 93533    | 6                     | 23.56 | 632293 | 20.0 |
| (DEL) Alkane: Str... | 24.80 | 2.8     | ng/ul | 89675    | 6                     | 23.56 | 632293 | 20.0 |