

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\  
 Data File : BN002390.D  
 Acq On : 17 Aug 2018 22:00  
 Operator : JU/SJ  
 Sample : J4421-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AA2

## 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:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.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         | 4.840       | 312           | 315         | 323          | rVB      | 51120          | 81582         | 2.01%           | 0.193%        |
| 2         | 6.857       | 652           | 658         | 669          | rVB      | 374935         | 651394        | 16.04%          | 1.538%        |
| 3         | 7.016       | 680           | 685         | 698          | rVB      | 335486         | 542876        | 13.37%          | 1.282%        |
| 4         | 7.210       | 712           | 718         | 729          | rBV      | 405073         | 676470        | 16.66%          | 1.597%        |
| 5         | 7.675       | 791           | 797         | 808          | rVB      | 652673         | 1064887       | 26.22%          | 2.514%        |
| 6         | 7.975       | 842           | 848         | 855          | rBV2     | 58449          | 93152         | 2.29%           | 0.220%        |
| 7         | 8.381       | 911           | 917         | 928          | rBV      | 503875         | 858016        | 21.13%          | 2.026%        |
| 8         | 8.822       | 982           | 992         | 1002         | rBV      | 451950         | 762507        | 18.77%          | 1.800%        |
| 9         | 9.539       | 1107          | 1114        | 1128         | rBV      | 367067         | 619959        | 15.26%          | 1.464%        |
| 10        | 10.075      | 1198          | 1205        | 1218         | rBV      | 507803         | 907713        | 22.35%          | 2.143%        |
| 11        | 10.445      | 1261          | 1268        | 1281         | rVB      | 1052450        | 1774047       | 43.68%          | 4.189%        |
| 12        | 10.586      | 1286          | 1292        | 1307         | rBV      | 470609         | 891924        | 21.96%          | 2.106%        |
| 13        | 13.722      | 1818          | 1825        | 1829         | rBV      | 1142274        | 1617123       | 39.82%          | 3.818%        |
| 14        | 13.769      | 1829          | 1833        | 1840         | rVB      | 177132         | 254883        | 6.28%           | 0.602%        |
| 15        | 13.998      | 1863          | 1872        | 1881         | rBV      | 1306227        | 1920143       | 47.28%          | 4.534%        |
| 16        | 14.310      | 1917          | 1925        | 1934         | rBV2     | 1626279        | 2550922       | 62.81%          | 6.023%        |
| 17        | 14.522      | 1954          | 1961        | 1978         | rBV      | 281714         | 580340        | 14.29%          | 1.370%        |
| 18        | 15.304      | 2088          | 2094        | 2101         | rBV      | 1701698        | 2393790       | 58.94%          | 5.652%        |
| 19        | 15.433      | 2111          | 2116        | 2131         | rBV      | 429377         | 641287        | 15.79%          | 1.514%        |
| 20        | 17.057      | 2385          | 2392        | 2400         | rVB2     | 2256079        | 3165437       | 77.94%          | 7.474%        |
| 21        | 17.157      | 2402          | 2409        | 2420         | rVB      | 1787725        | 2666366       | 65.65%          | 6.296%        |
| 22        | 17.957      | 2540          | 2545        | 2551         | rBV2     | 55990          | 87657         | 2.16%           | 0.207%        |
| 23        | 19.451      | 2793          | 2799        | 2807         | rBV      | 2322986        | 3266169       | 80.42%          | 7.712%        |
| 24        | 20.015      | 2891          | 2895        | 2899         | rVB      | 50773          | 55057         | 1.36%           | 0.130%        |
| 25        | 20.339      | 2945          | 2950        | 2953         | rBV2     | 55438          | 70632         | 1.74%           | 0.167%        |
| 26        | 20.392      | 2955          | 2959        | 2964         | rVB5     | 33795          | 58004         | 1.43%           | 0.137%        |
| 27        | 20.509      | 2975          | 2979        | 2983         | rBV      | 72068          | 88670         | 2.18%           | 0.209%        |
| 28        | 20.974      | 3054          | 3058        | 3062         | rBV      | 108123         | 142800        | 3.52%           | 0.337%        |
| 29        | 21.251      | 3099          | 3105        | 3111         | rBV      | 3116656        | 3942663       | 97.07%          | 9.309%        |
| 30        | 21.415      | 3129          | 3133        | 3136         | rBV      | 137641         | 161918        | 3.99%           | 0.382%        |
| 31        | 21.845      | 3202          | 3206        | 3210         | rBV      | 158185         | 183288        | 4.51%           | 0.433%        |
| 32        | 22.304      | 3280          | 3284        | 3290         | rVB      | 142520         | 196710        | 4.84%           | 0.464%        |
| 33        | 22.803      | 3364          | 3369        | 3378         | rBV      | 395380         | 575360        | 14.17%          | 1.359%        |
| 34        | 23.333      | 3451          | 3459        | 3474         | rBV2     | 1896001        | 3843539       | 94.63%          | 9.075%        |

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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:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 23.474 | 3475 | 3483 | 3496 | rVB2 | 2132554 | 4061580 | 100.00% | 9.590% |
| 36 | 23.998 | 3566 | 3572 | 3581 | rVB2 | 242668  | 475766  | 11.71%  | 1.123% |
| 37 | 24.727 | 3690 | 3696 | 3705 | rBV3 | 110479  | 234276  | 5.77%   | 0.553% |
| 38 | 25.580 | 3836 | 3841 | 3848 | rVB2 | 82308   | 193574  | 4.77%   | 0.457% |

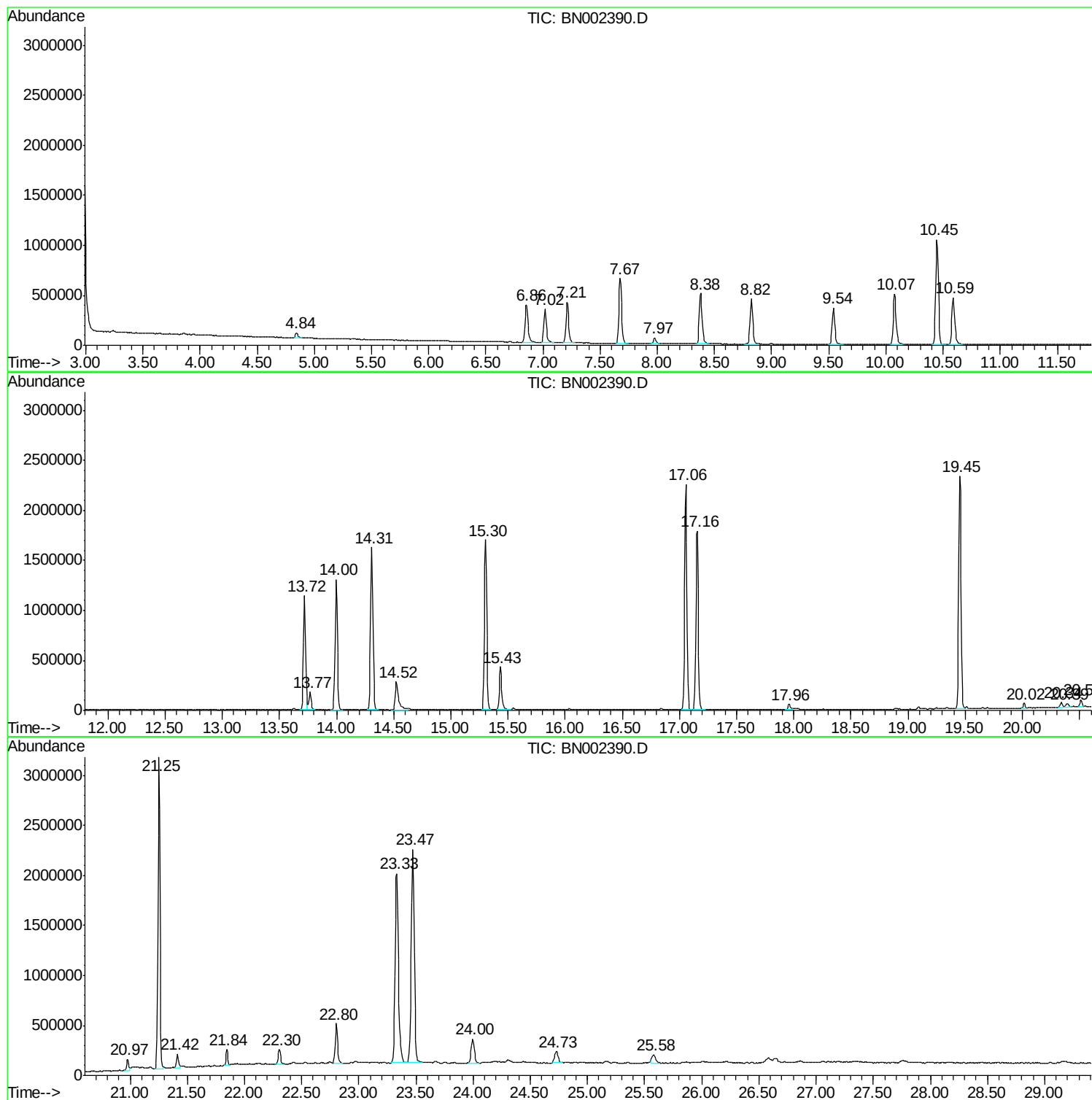
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081318MA.M  
Quant Title : SVOA CALIBRATION

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



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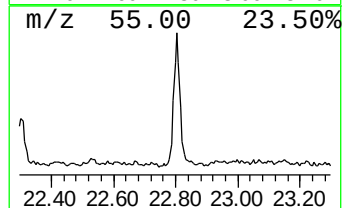
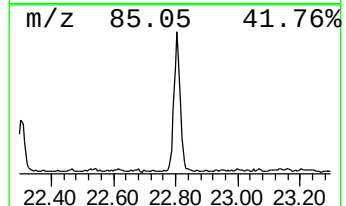
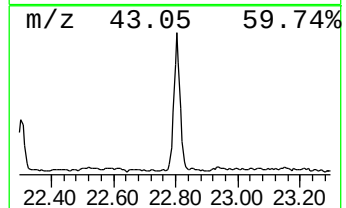
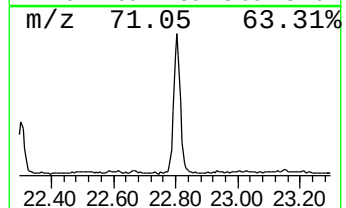
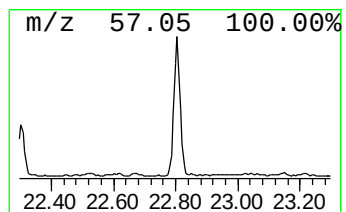
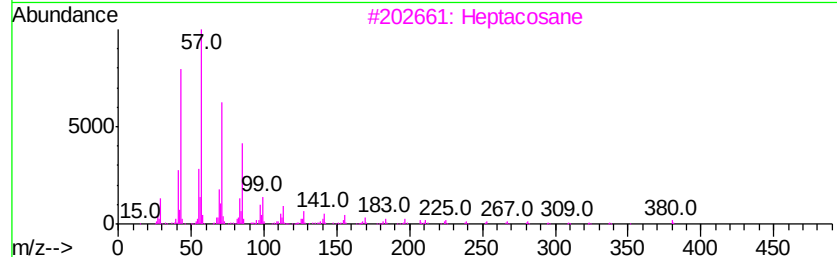
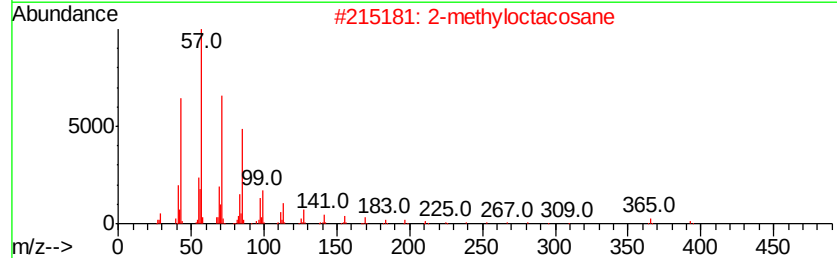
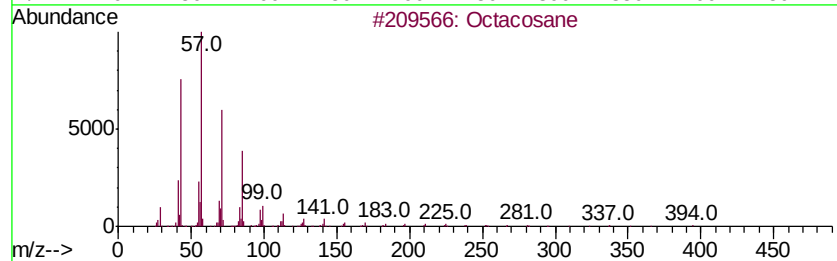
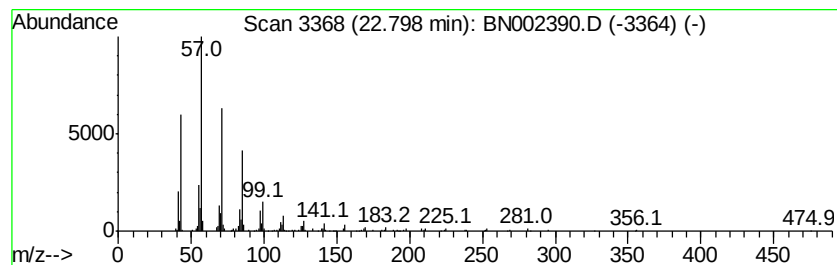
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.80 | 2.83 ng/ul | 575360 | Perylene-d12     | 23.47 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 2    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    |   | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 4    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |
| 5    |    |   | Pentacosane        | 352 | C25H52  | 000629-99-2  | 91   |



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Quant Title : SVOA CALIBRATION

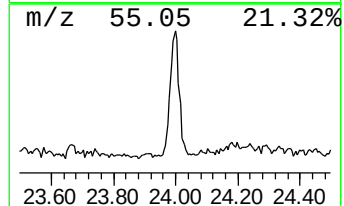
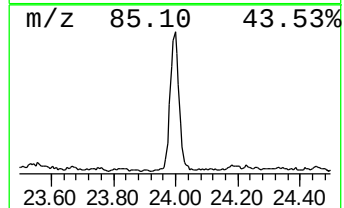
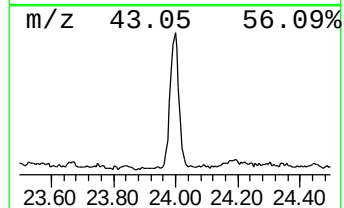
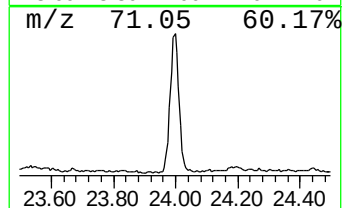
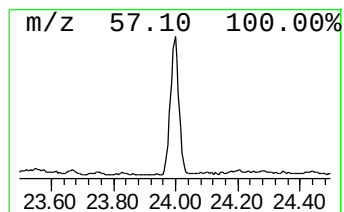
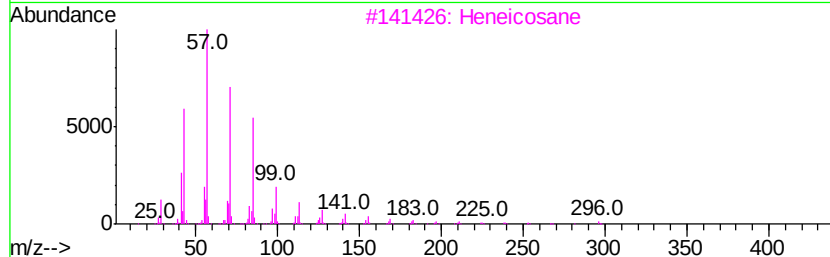
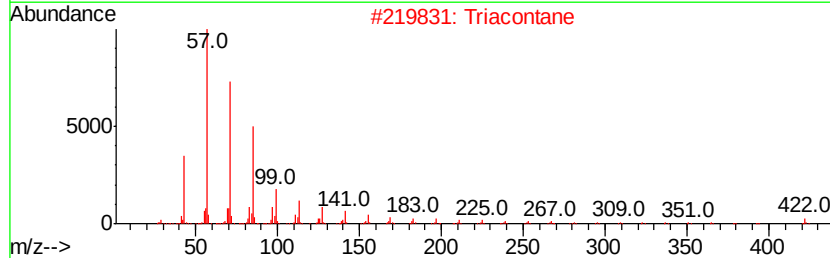
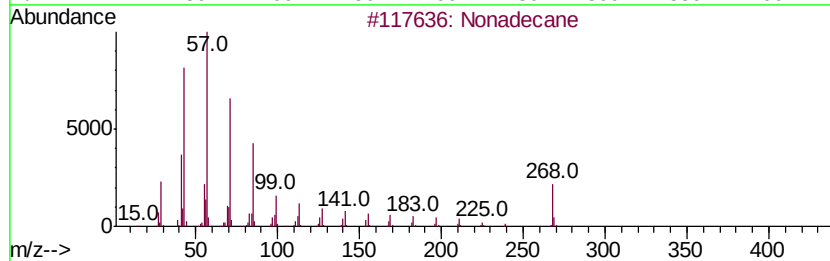
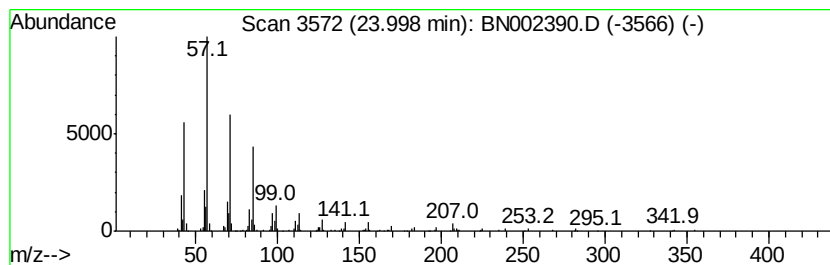
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.00 | 2.34 ng/ul | 475766 | Perylene-d12     | 23.47 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Nonadecane         | 268 | C19H40  | 000629-92-5  | 91   |
| 2    |    | triacontane        | 422 | C30H62  | 000638-68-6  | 90   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 5    |    | Hexatriacontane    | 507 | C36H74  | 000630-06-8  | 90   |



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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.80 | 2.8     | ng/ul | 575360   | 6                     | 23.47 | 4061580 | 20.0 |
| (DEL) Alkane: Str... | 24.00 | 2.3     | ng/ul | 475766   | 6                     | 23.47 | 4061580 | 20.0 |