

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081718\  
 Data File : BN002378.D  
 Acq On : 17 Aug 2018 14:52  
 Operator : JU/SJ  
 Sample : J4424-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A3YS9

## 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         | 6.858       | 651           | 658         | 675          | rVB      | 717264         | 1264075       | 18.32%          | 2.131%        |
| 2         | 7.016       | 679           | 685         | 697          | rVB      | 602911         | 947130        | 13.73%          | 1.597%        |
| 3         | 7.210       | 712           | 718         | 731          | rVB      | 713198         | 1186675       | 17.20%          | 2.000%        |
| 4         | 7.675       | 791           | 797         | 806          | rBV      | 579286         | 942618        | 13.66%          | 1.589%        |
| 5         | 8.381       | 910           | 917         | 930          | rBV      | 952968         | 1591328       | 23.06%          | 2.683%        |
| 6         | 8.822       | 984           | 992         | 1005         | rBV      | 789843         | 1339645       | 19.42%          | 2.258%        |
| 7         | 9.540       | 1108          | 1114        | 1125         | rBV      | 646088         | 1079598       | 15.65%          | 1.820%        |
| 8         | 10.075      | 1198          | 1205        | 1220         | rBV      | 924320         | 1609518       | 23.33%          | 2.713%        |
| 9         | 10.446      | 1261          | 1268        | 1277         | rBV      | 926335         | 1530859       | 22.19%          | 2.581%        |
| 10        | 10.587      | 1285          | 1292        | 1309         | rBV      | 1035006        | 1801310       | 26.11%          | 3.037%        |
| 11        | 13.722      | 1818          | 1825        | 1829         | rBV      | 2030510        | 2816918       | 40.83%          | 4.749%        |
| 12        | 13.769      | 1829          | 1833        | 1841         | rVB      | 366222         | 513550        | 7.44%           | 0.866%        |
| 13        | 13.998      | 1865          | 1872        | 1886         | rBV      | 2348222        | 3375419       | 48.92%          | 5.690%        |
| 14        | 14.310      | 1918          | 1925        | 1934         | rBV2     | 1432187        | 2195814       | 31.83%          | 3.702%        |
| 15        | 14.522      | 1955          | 1961        | 1980         | rBV      | 744193         | 1265147       | 18.34%          | 2.133%        |
| 16        | 15.304      | 2087          | 2094        | 2103         | rBV      | 2950260        | 4183610       | 60.64%          | 7.052%        |
| 17        | 15.434      | 2110          | 2116        | 2127         | rBV      | 858510         | 1230202       | 17.83%          | 2.074%        |
| 18        | 17.057      | 2386          | 2392        | 2400         | rBV2     | 1961890        | 2720574       | 39.43%          | 4.586%        |
| 19        | 17.157      | 2402          | 2409        | 2421         | rBV      | 3362762        | 4688864       | 67.96%          | 7.904%        |
| 20        | 17.963      | 2540          | 2546        | 2555         | rBV2     | 104863         | 161150        | 2.34%           | 0.272%        |
| 21        | 19.457      | 2794          | 2800        | 2808         | rBV2     | 3818733        | 5540154       | 80.30%          | 9.339%        |
| 22        | 20.522      | 2976          | 2981        | 2984         | rBV      | 98148          | 109663        | 1.59%           | 0.185%        |
| 23        | 20.986      | 3056          | 3060        | 3064         | rBV      | 137455         | 158464        | 2.30%           | 0.267%        |
| 24        | 21.263      | 3101          | 3107        | 3114         | rBV      | 2530768        | 3447840       | 49.97%          | 5.812%        |
| 25        | 21.421      | 3130          | 3134        | 3139         | rBV      | 219453         | 224118        | 3.25%           | 0.378%        |
| 26        | 21.857      | 3203          | 3208        | 3212         | rBV      | 247048         | 299138        | 4.34%           | 0.504%        |
| 27        | 22.316      | 3281          | 3286        | 3295         | rBV      | 314617         | 426634        | 6.18%           | 0.719%        |
| 28        | 22.439      | 3302          | 3307        | 3313         | rBV      | 326335         | 414339        | 6.01%           | 0.698%        |
| 29        | 22.810      | 3366          | 3370        | 3376         | rBV      | 347689         | 504630        | 7.31%           | 0.851%        |
| 30        | 23.345      | 3452          | 3461        | 3473         | rBV2     | 3387997        | 6899585       | 100.00%         | 11.631%       |
| 31        | 23.480      | 3476          | 3484        | 3500         | rVB      | 1866642        | 3641267       | 52.78%          | 6.138%        |
| 32        | 24.004      | 3567          | 3573        | 3583         | rVB      | 288064         | 549581        | 7.97%           | 0.926%        |
| 33        | 24.739      | 3691          | 3698        | 3706         | rBV      | 195312         | 430439        | 6.24%           | 0.726%        |
| 34        | 25.592      | 3837          | 3843        | 3852         | rVB3     | 97665          | 231600        | 3.36%           | 0.390%        |

## LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081718\  
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Sample : J4424-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A3YS9

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 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-BN081318MA.M  
Title : SVOA CALIBRATION

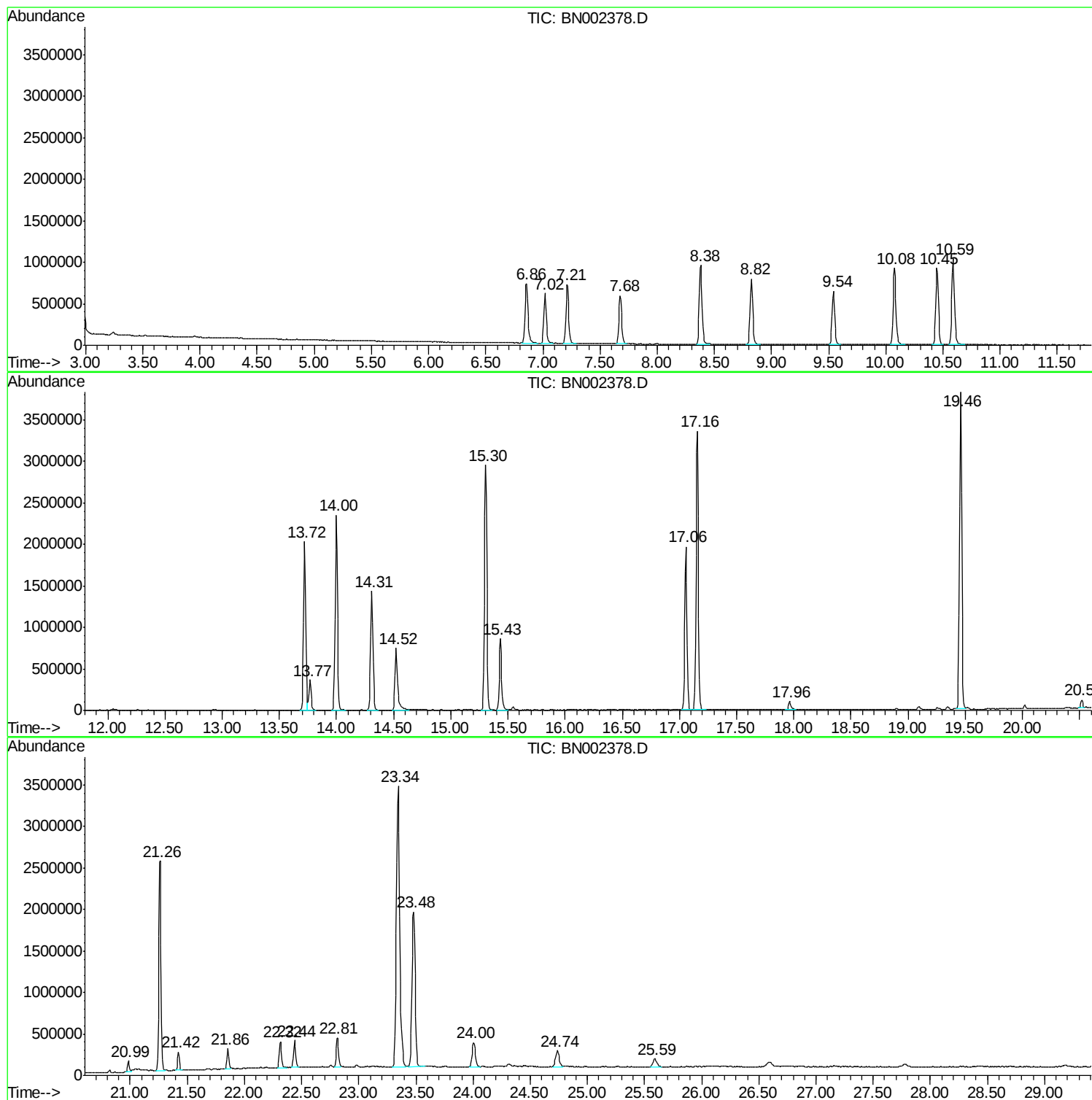
Sum of corrected areas: 59321456

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

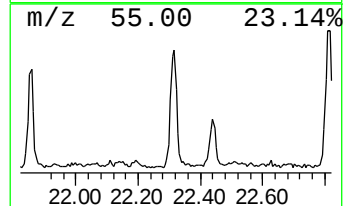
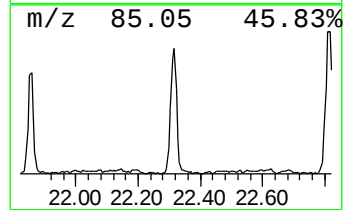
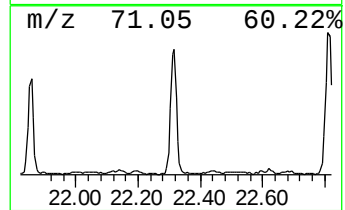
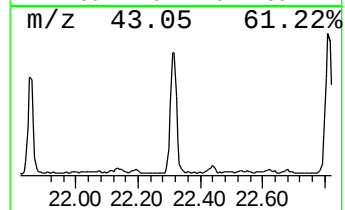
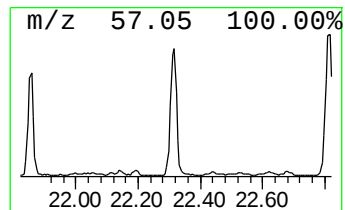
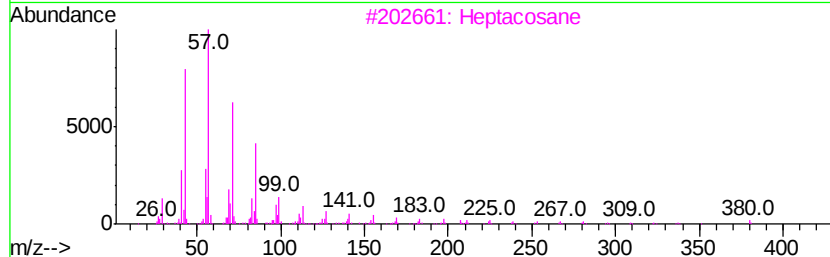
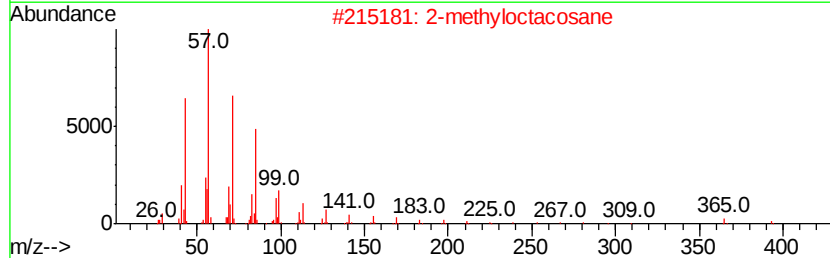
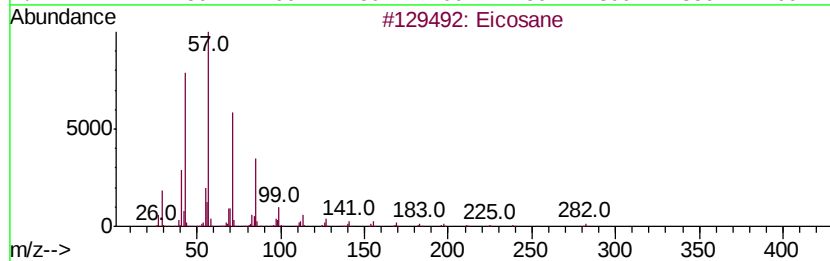
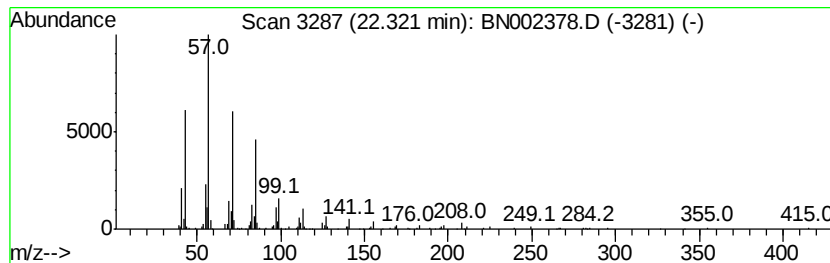
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.32 | 2.47 ng/ul | 426634 | Chrysene-d12     | 21.26 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8  | 94   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |



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Sample : J4424-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

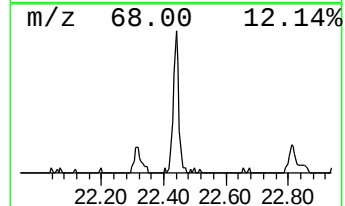
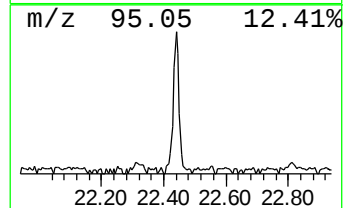
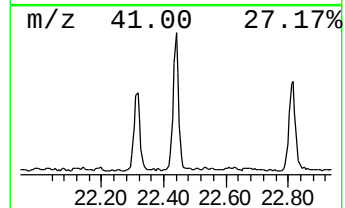
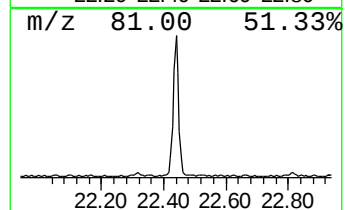
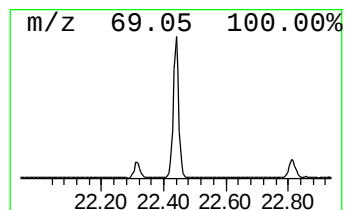
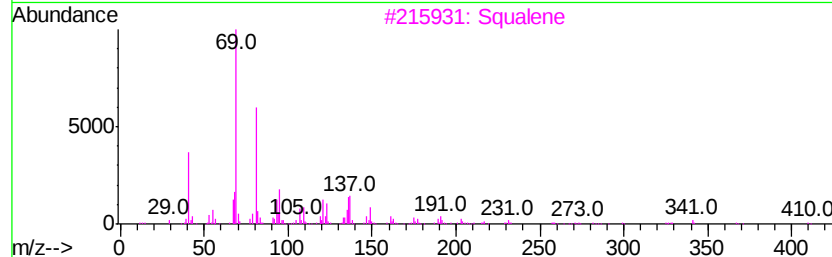
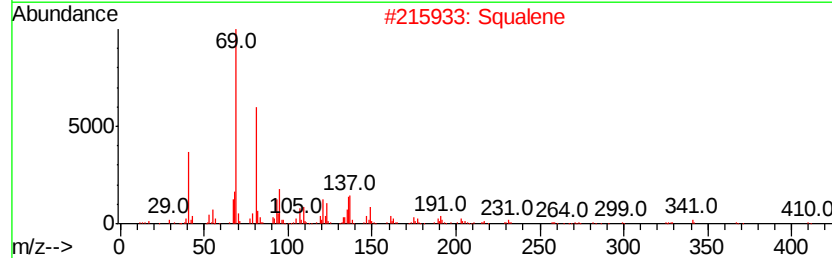
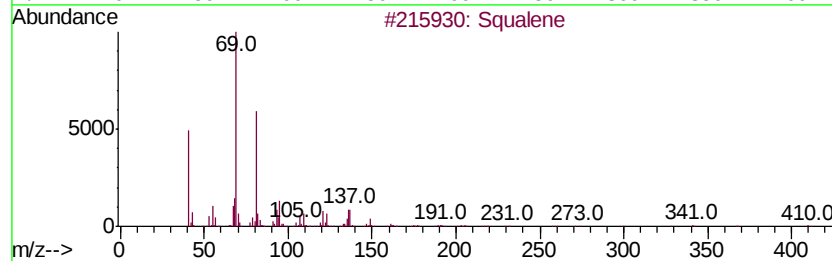
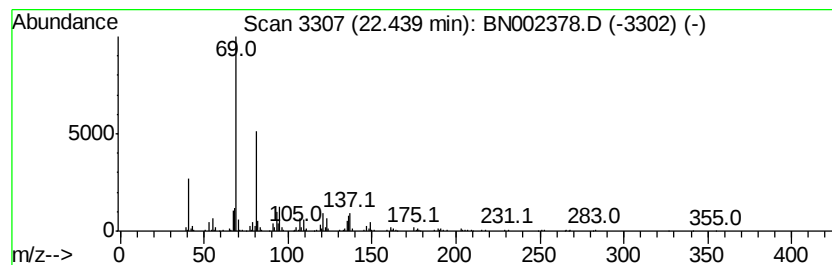
Instrument :  
BNA\_N  
ClientSampleId :  
A3YS9

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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Peak Number 2 Squalene Concentration Rank 5

| R.T.    | EstConc    | Area         | Relative to ISTD | R.T.      |
|---------|------------|--------------|------------------|-----------|
| 22.44   | 2.28 ng/ul | 414339       | Perylene-d12     | 23.48     |
| Hit# of | 5          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene   | 410 C30H50   | 000111-02-4      | 91        |
| 2       | Squalene   | 410 C30H50   | 000111-02-4      | 91        |
| 3       | Squalene   | 410 C30H50   | 000111-02-4      | 91        |
| 4       | Supraene   | 410 C30H50   | 007683-64-9      | 87        |
| 5       | Squalene   | 410 C30H50   | 000111-02-4      | 78        |



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Sample : J4424-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A3YS9

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

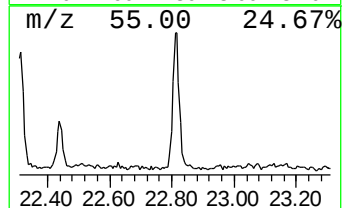
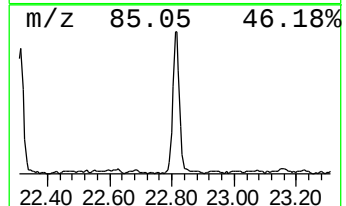
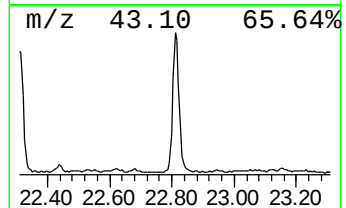
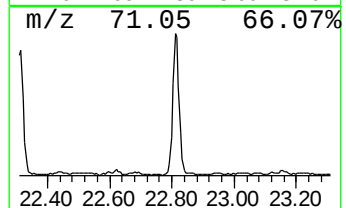
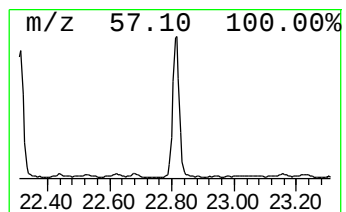
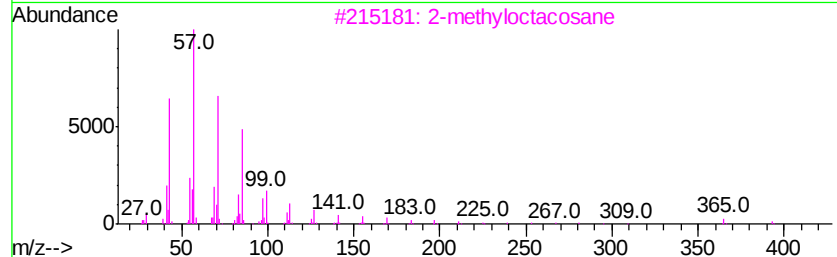
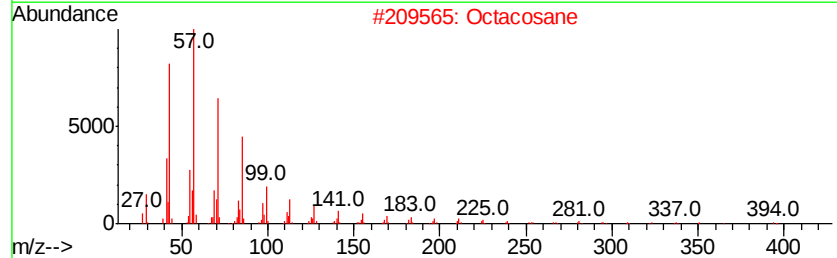
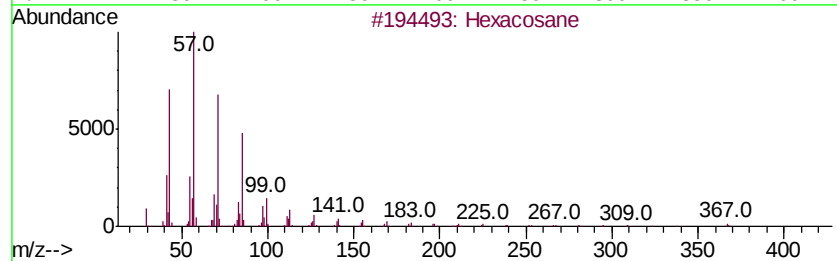
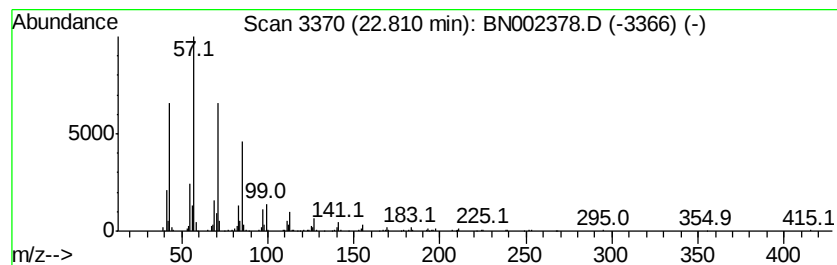
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.81 | 2.77 ng/ul | 504630 | Perylene-d12     | 23.48 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3  | 94   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |
| 3    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 4    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |



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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A3YS9

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

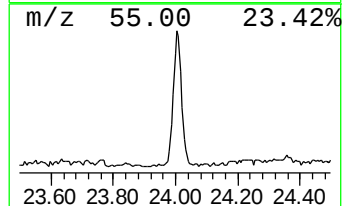
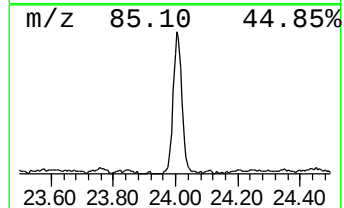
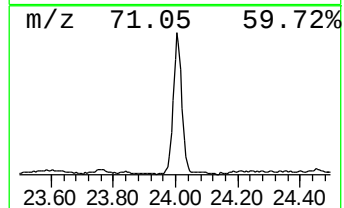
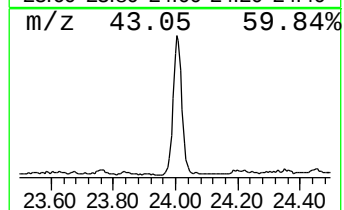
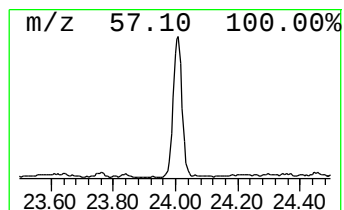
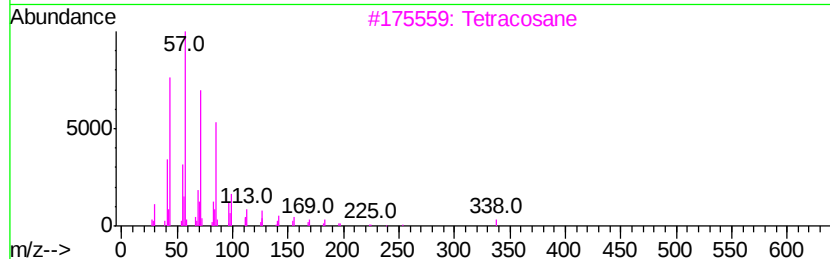
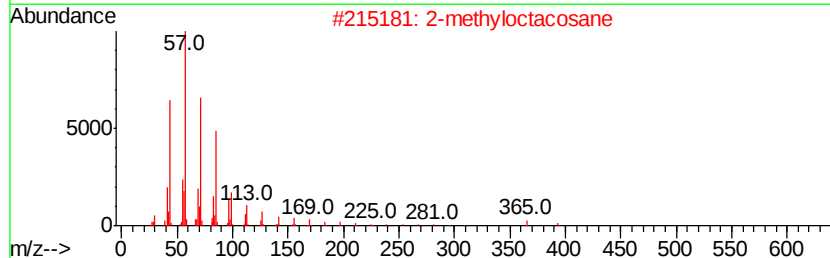
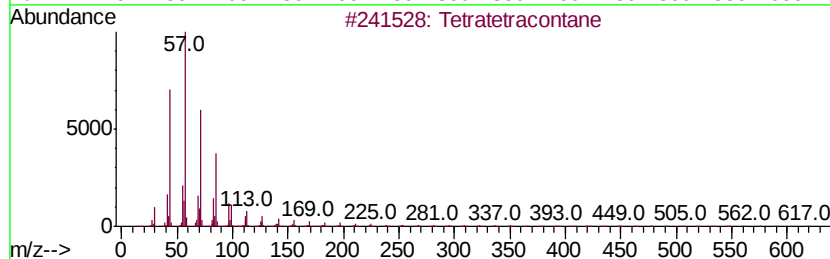
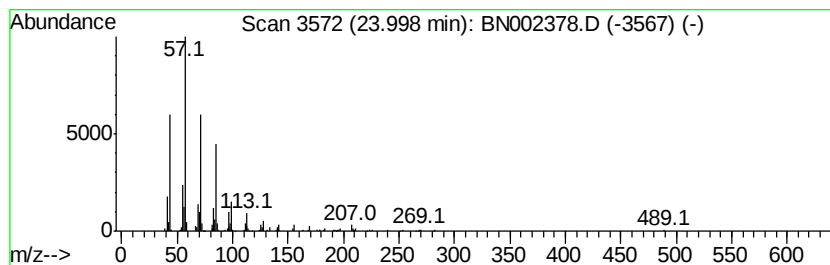
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.00 | 3.02 ng/ul | 549581 | Perylene-d12     | 23.48 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 91   |
| 2    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |
| 4    |    |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |



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Quant Title : SVOA CALIBRATION

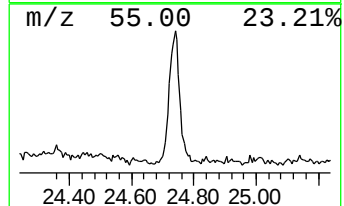
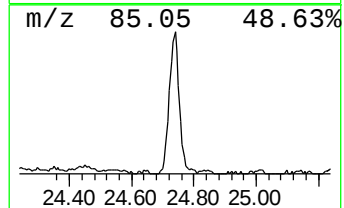
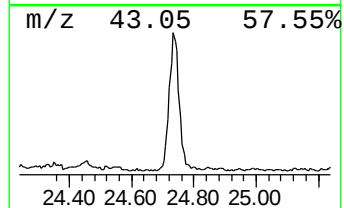
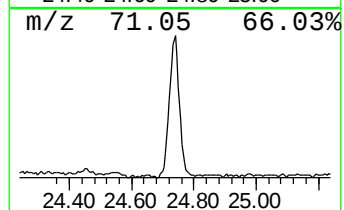
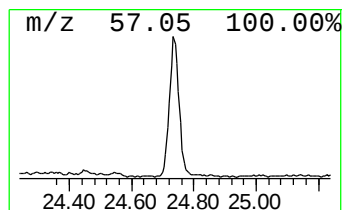
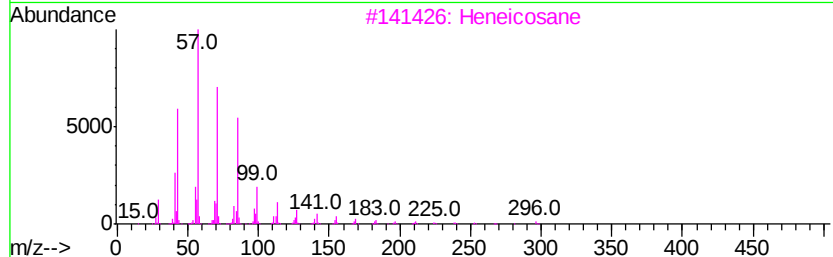
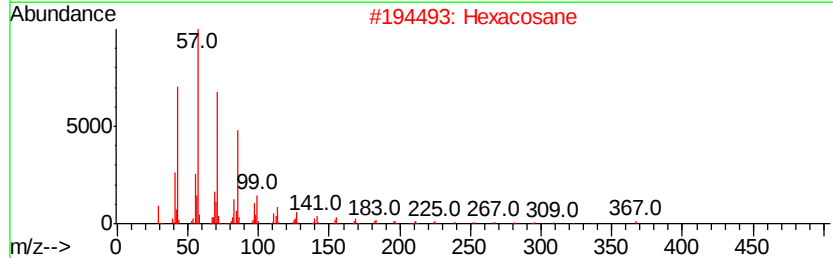
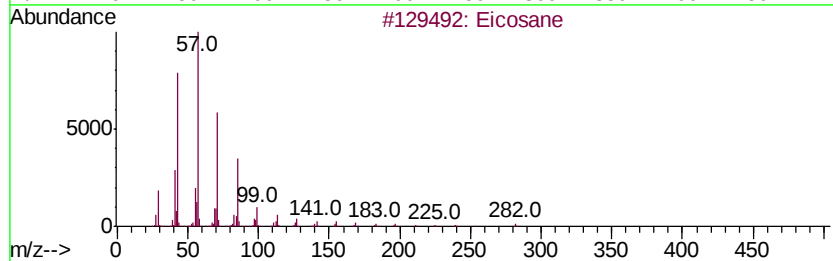
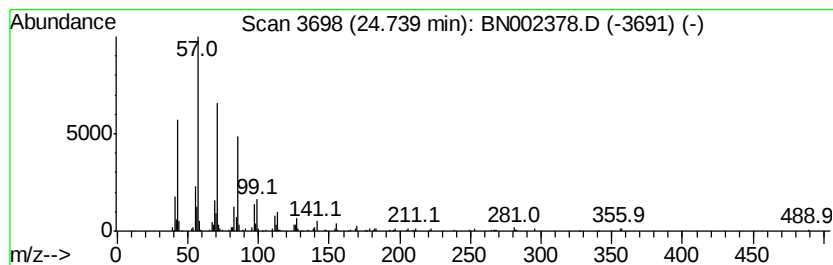
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.74 | 2.36 ng/ul | 430439 | Perylene-d12     | 23.48 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane       | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Hexacosane     | 366 | C26H54  | 000630-01-3 | 90   |
| 3    |    | Heneicosane    | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN081718\  
Data File : BN002378.D  
Acq On : 17 Aug 2018 14:52  
Operator : JU/SJ  
Sample : J4424-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A3YS9

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.32 | 2.5     | ng/ul | 426634   | 5                     | 21.26 | 3447840 | 20.0 |
| Squalene             | 22.44 | 2.3     | ng/ul | 414339   | 6                     | 23.48 | 3641270 | 20.0 |
| (DEL) Alkane: Str... | 22.81 | 2.8     | ng/ul | 504630   | 6                     | 23.48 | 3641270 | 20.0 |
| (DEL) Alkane: Str... | 24.00 | 3.0     | ng/ul | 549581   | 6                     | 23.48 | 3641270 | 20.0 |
| (DEL) Alkane: Str... | 24.74 | 2.4     | ng/ul | 430439   | 6                     | 23.48 | 3641270 | 20.0 |