

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100418\  
 Data File : BN002909.D  
 Acq On : 03 Oct 2018 20:15  
 Operator : MJ/SJ  
 Sample : J5115-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC14

## 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-BN091418MA.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         | 6.816       | 645           | 651         | 665          | rBV      | 250748         | 472215        | 18.17%          | 1.527%        |
| 2         | 6.969       | 671           | 677         | 689          | rBV      | 235515         | 368667        | 14.19%          | 1.192%        |
| 3         | 7.163       | 703           | 710         | 722          | rBV      | 289484         | 475294        | 18.29%          | 1.537%        |
| 4         | 7.622       | 782           | 788         | 797          | rBV      | 406838         | 673183        | 25.91%          | 2.177%        |
| 5         | 8.340       | 903           | 910         | 924          | rBV      | 291461         | 526880        | 20.28%          | 1.704%        |
| 6         | 8.775       | 978           | 984         | 995          | rBV      | 267080         | 464161        | 17.86%          | 1.501%        |
| 7         | 9.493       | 1100          | 1106        | 1118         | rVB      | 224215         | 397699        | 15.31%          | 1.286%        |
| 8         | 10.034      | 1192          | 1198        | 1215         | rBV      | 320851         | 620138        | 23.87%          | 2.005%        |
| 9         | 10.393      | 1252          | 1259        | 1266         | rBV      | 641312         | 1068143       | 41.11%          | 3.454%        |
| 10        | 10.540      | 1278          | 1284        | 1297         | rBV      | 304657         | 599923        | 23.09%          | 1.940%        |
| 11        | 13.675      | 1811          | 1817        | 1821         | rBV      | 717232         | 993410        | 38.23%          | 3.212%        |
| 12        | 13.722      | 1821          | 1825        | 1834         | rVB      | 273926         | 393372        | 15.14%          | 1.272%        |
| 13        | 13.951      | 1857          | 1864        | 1876         | rBV      | 876321         | 1279992       | 49.26%          | 4.139%        |
| 14        | 14.263      | 1910          | 1917        | 1925         | rBV2     | 961146         | 1498666       | 57.68%          | 4.846%        |
| 15        | 14.504      | 1952          | 1958        | 1973         | rBV      | 154219         | 380862        | 14.66%          | 1.231%        |
| 16        | 14.828      | 2003          | 2013        | 2014         | rBV      | 18151          | 31433         | 1.21%           | 0.102%        |
| 17        | 15.069      | 2050          | 2054        | 2061         | rVB2     | 22089          | 30904         | 1.19%           | 0.100%        |
| 18        | 15.257      | 2081          | 2086        | 2093         | rBV      | 1128060        | 1642112       | 63.20%          | 5.310%        |
| 19        | 15.404      | 2106          | 2111        | 2122         | rBV      | 290466         | 464837        | 17.89%          | 1.503%        |
| 20        | 17.010      | 2378          | 2384        | 2390         | rBV      | 1299385        | 1869564       | 71.96%          | 6.045%        |
| 21        | 17.051      | 2390          | 2391        | 2395         | rVV      | 27239          | 29576         | 1.14%           | 0.096%        |
| 22        | 17.110      | 2395          | 2401        | 2410         | rVB2     | 1239497        | 1840817       | 70.85%          | 5.952%        |
| 23        | 17.922      | 2534          | 2539        | 2547         | rBV2     | 183153         | 289541        | 11.14%          | 0.936%        |
| 24        | 17.986      | 2547          | 2550        | 2555         | rVB      | 29602          | 36456         | 1.40%           | 0.118%        |
| 25        | 19.080      | 2733          | 2736        | 2744         | rVB      | 53031          | 79769         | 3.07%           | 0.258%        |
| 26        | 19.210      | 2754          | 2758        | 2765         | rVB2     | 65295          | 91840         | 3.53%           | 0.297%        |
| 27        | 19.416      | 2787          | 2793        | 2801         | rBV2     | 1584575        | 2306759       | 88.78%          | 7.459%        |
| 28        | 20.357      | 2949          | 2953        | 2956         | rVB      | 97474          | 110585        | 4.26%           | 0.358%        |
| 29        | 20.839      | 3033          | 3035        | 3038         | rBV      | 41958          | 36810         | 1.42%           | 0.119%        |
| 30        | 20.939      | 3049          | 3052        | 3062         | rVB2     | 145110         | 244015        | 9.39%           | 0.789%        |
| 31        | 21.139      | 3081          | 3086        | 3091         | rBV      | 1676563        | 1929474       | 74.26%          | 6.239%        |
| 32        | 21.216      | 3094          | 3099        | 3103         | rBV      | 1776055        | 2367702       | 91.13%          | 7.656%        |
| 33        | 21.257      | 3103          | 3106        | 3110         | rVB      | 188937         | 245603        | 9.45%           | 0.794%        |
| 34        | 21.616      | 3163          | 3167        | 3170         | rBV      | 144896         | 158684        | 6.11%           | 0.513%        |

## LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100418\  
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Sample : J5115-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC14

## 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-BN091418MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 21.804 | 3196 | 3199 | 3204 | rBV  | 122350  | 140831  | 5.42%   | 0.455% |
| 36 | 22.016 | 3231 | 3235 | 3242 | rVB  | 156593  | 201054  | 7.74%   | 0.650% |
| 37 | 22.257 | 3273 | 3276 | 3284 | rVB2 | 161152  | 220552  | 8.49%   | 0.713% |
| 38 | 22.380 | 3294 | 3297 | 3301 | rVB  | 112908  | 138349  | 5.32%   | 0.447% |
| 39 | 22.751 | 3356 | 3360 | 3368 | rBV2 | 246658  | 376704  | 14.50%  | 1.218% |
| 40 | 23.280 | 3444 | 3450 | 3465 | rVB  | 1194300 | 2598220 | 100.00% | 8.401% |
| 41 | 23.421 | 3468 | 3474 | 3483 | rVB  | 1100874 | 2057447 | 79.19%  | 6.652% |
| 42 | 23.927 | 3555 | 3560 | 3572 | rVB  | 238086  | 483443  | 18.61%  | 1.563% |
| 43 | 24.645 | 3677 | 3682 | 3693 | rVB2 | 188798  | 428218  | 16.48%  | 1.385% |
| 44 | 25.480 | 3821 | 3824 | 3833 | rVB  | 122558  | 263748  | 10.15%  | 0.853% |

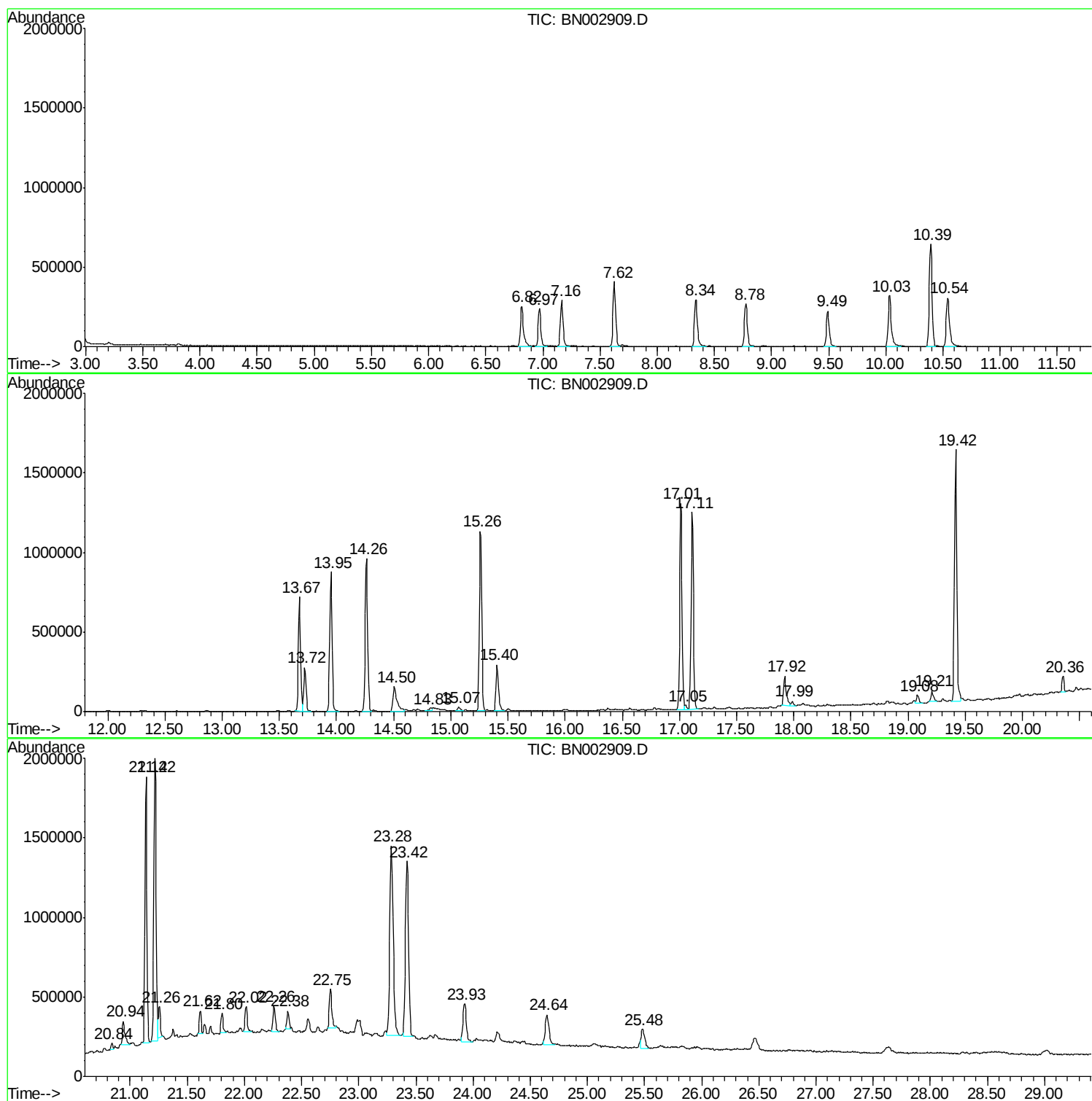
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ClientSampleId :  
JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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



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Data File : BN002909.D  
Acq On : 03 Oct 2018 20:15  
Operator : MJ/SJ  
Sample : J5115-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

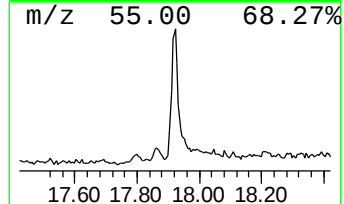
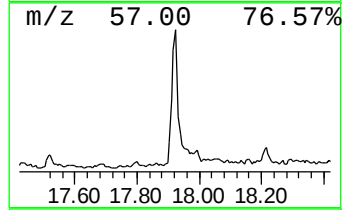
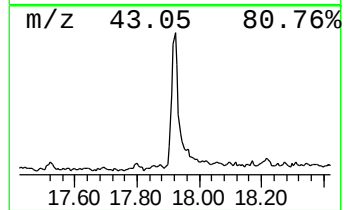
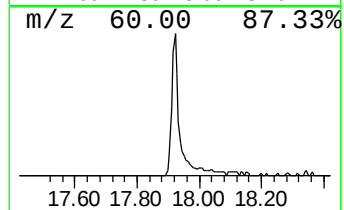
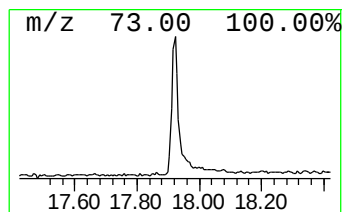
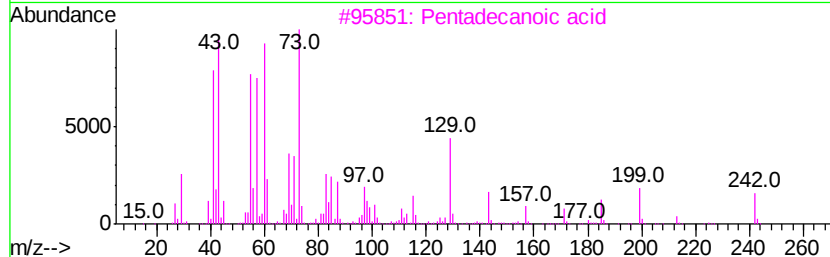
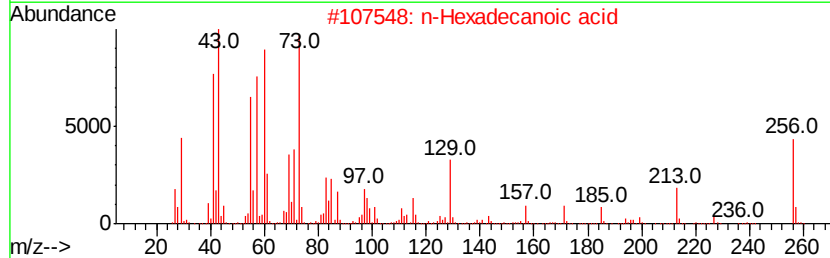
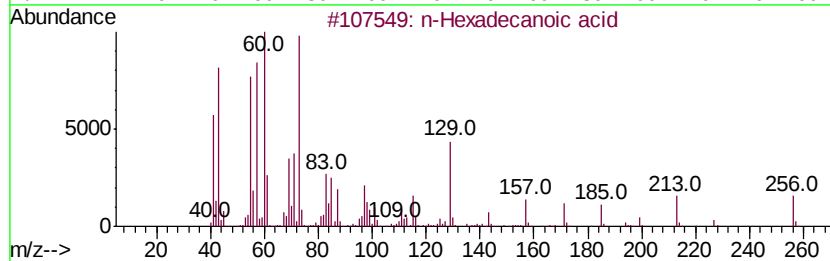
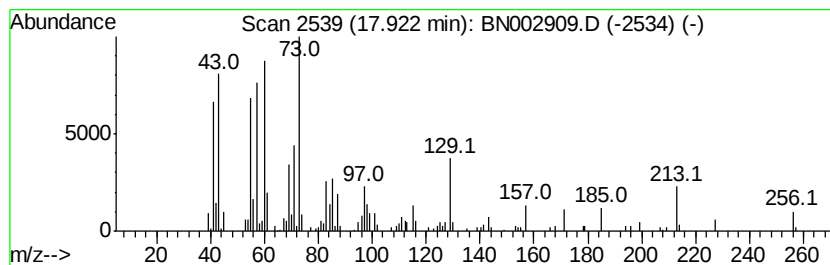
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.92 | 3.10 ng/ul | 289541 | Phenanthrene-d10 | 17.01 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 99   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 98   |      |
| 3       | Pentadecanoic acid  | 242          | C15H30O2 | 001002-84-2 | 87   |      |
| 4       | Tetradecanoic acid  | 228          | C14H28O2 | 000544-63-8 | 83   |      |
| 5       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 76   |      |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

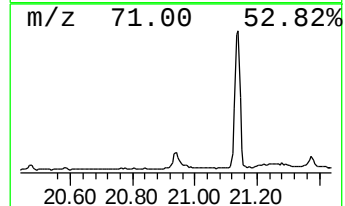
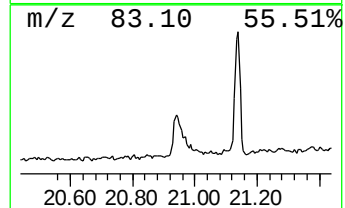
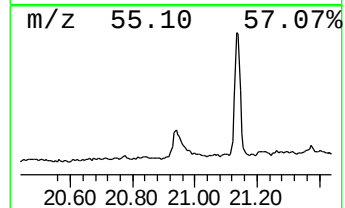
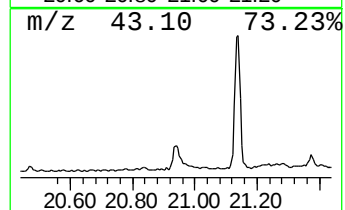
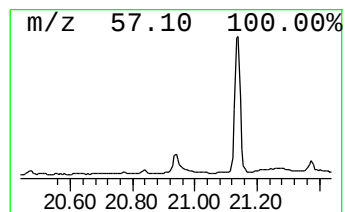
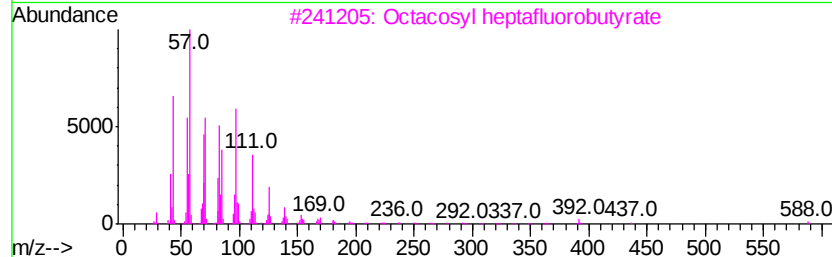
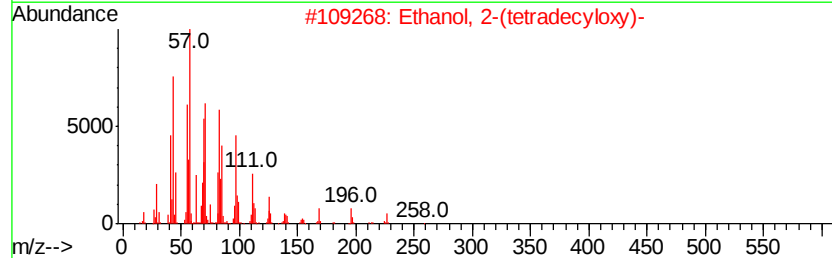
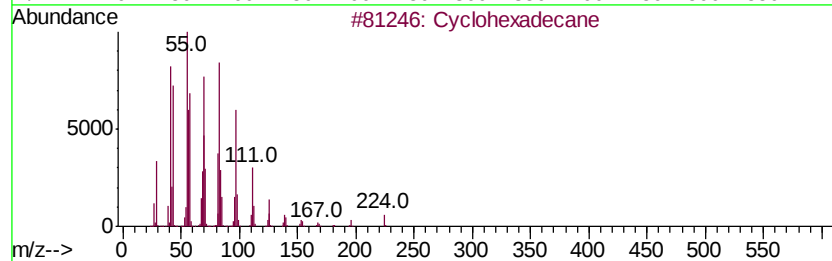
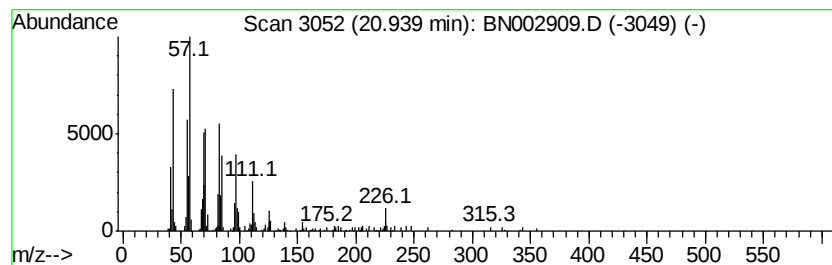
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic20.94 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.94 | 2.06 ng/ul | 244015 | Chrysene-d12     | 21.22 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 95   |
| 2    |    | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 91   |
| 3    |    | Octacosyl heptafluorobutylate       | 606 | C32H57F7O2  | 1000351-83-6 | 87   |
| 4    |    | 1-Dodecanol, 2-octyl-               | 298 | C20H42O     | 005333-42-6  | 87   |
| 5    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 70   |



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Instrument :  
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JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

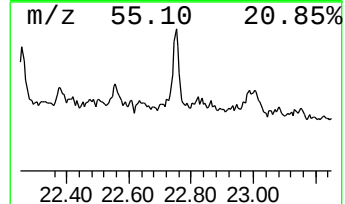
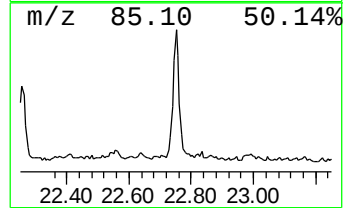
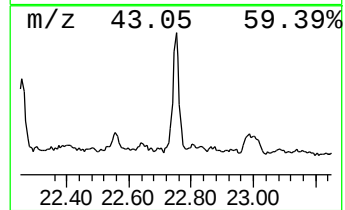
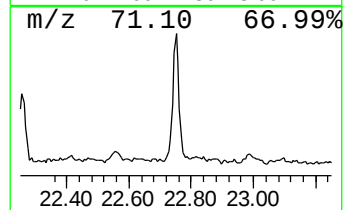
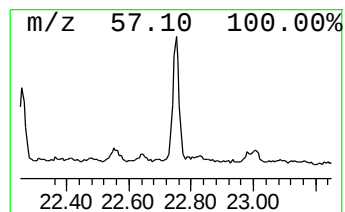
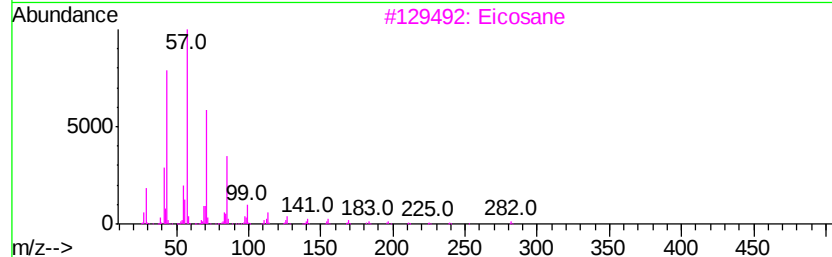
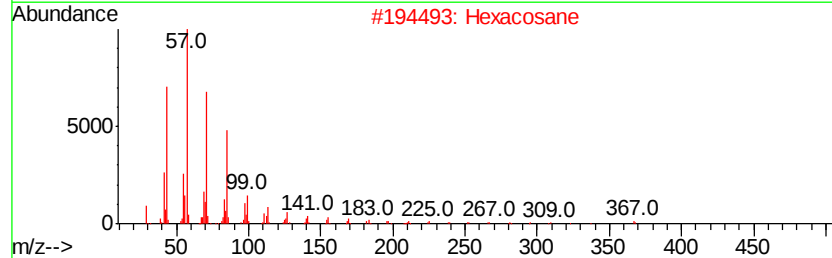
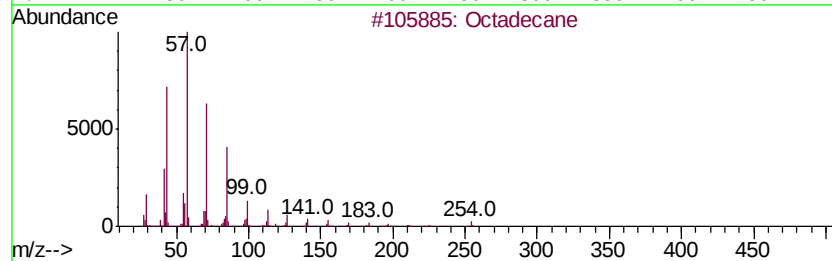
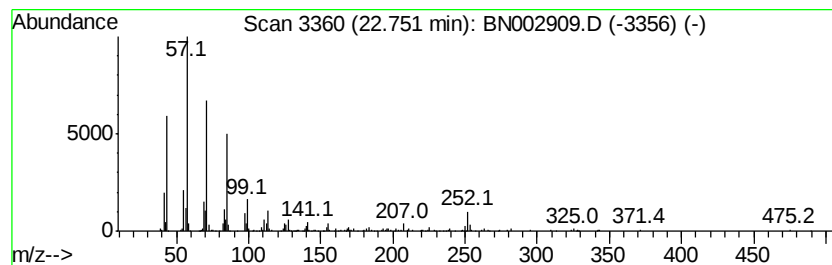
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.75 | 3.66 ng/ul | 376704 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane   | 254 | C18H38  | 000593-45-3 | 96   |
| 2    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 93   |
| 3    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 93   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 87   |
| 5    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

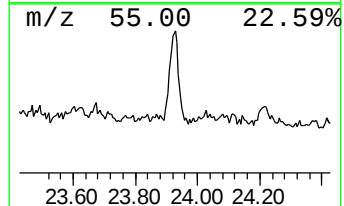
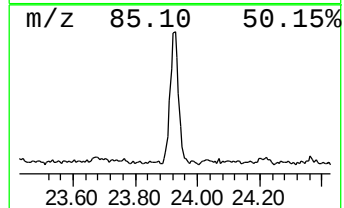
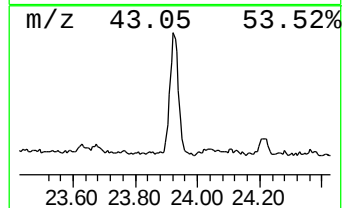
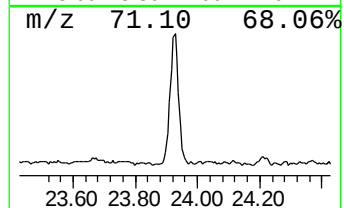
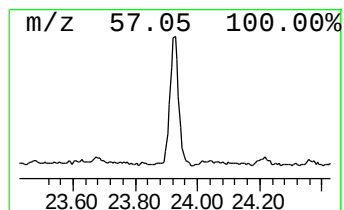
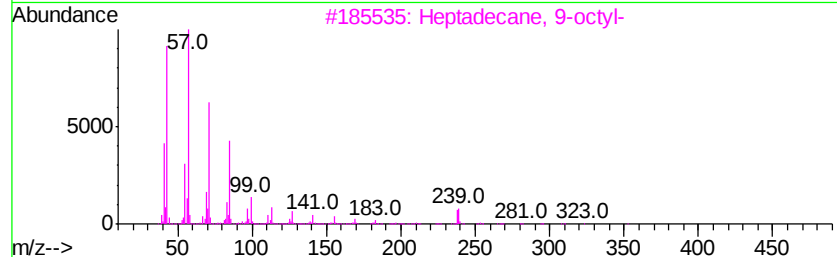
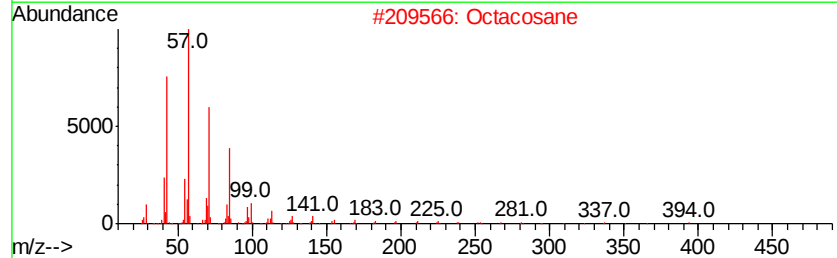
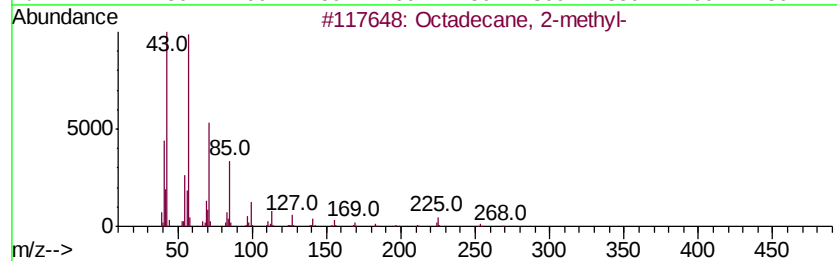
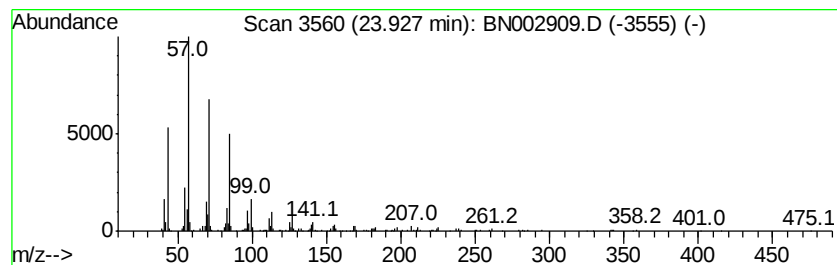
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.93 | 4.70 ng/ul | 483443 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 86   |
| 4    |    | Octadecane            | 254 | C18H38  | 000593-45-3 | 83   |
| 5    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100418\  
Data File : BN002909.D  
Acq On : 03 Oct 2018 20:15  
Operator : MJ/SJ  
Sample : J5115-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

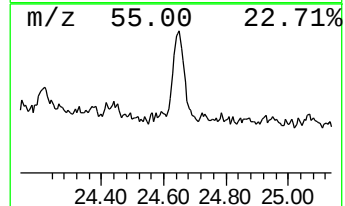
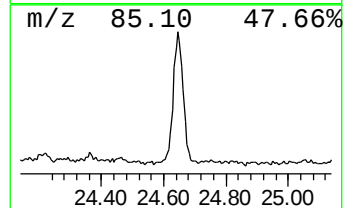
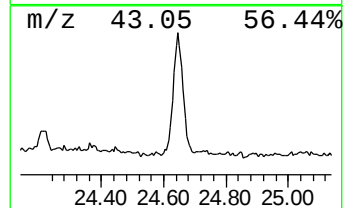
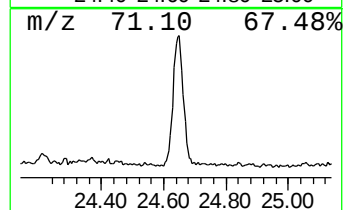
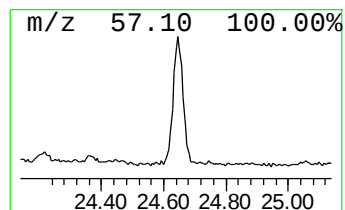
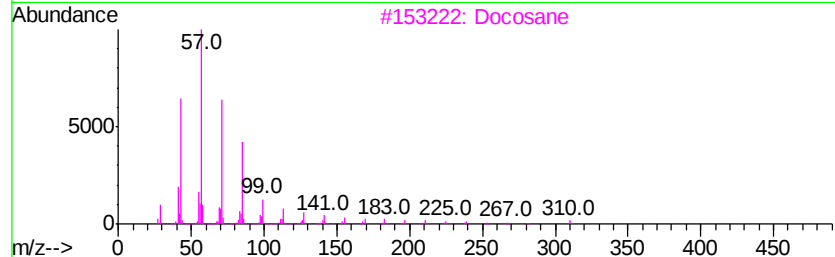
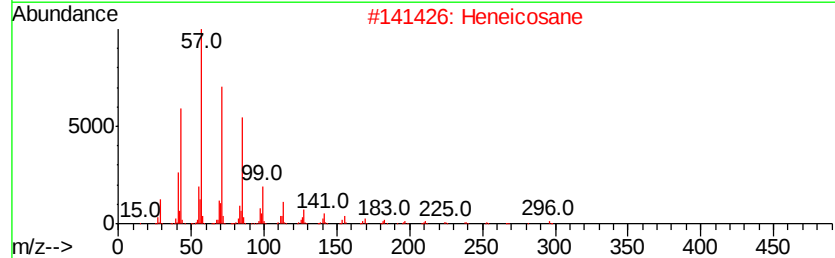
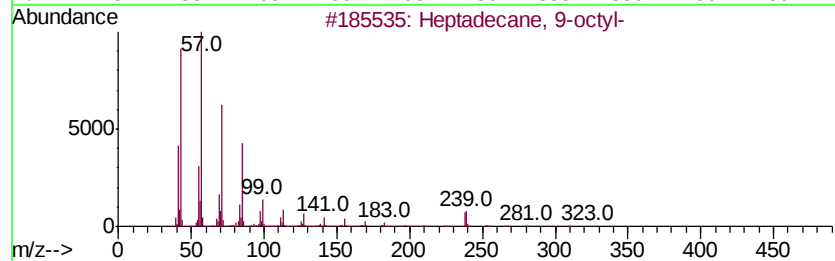
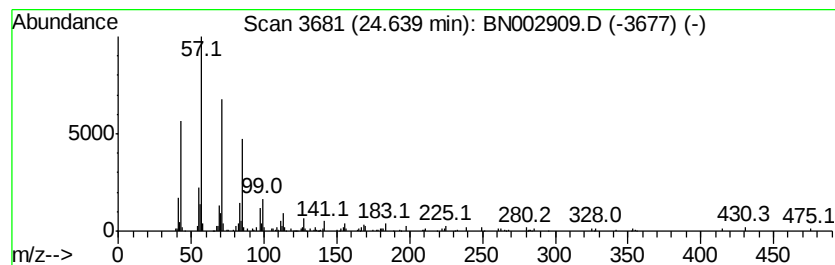
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.64 | 4.16 ng/ul | 428218 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 93   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Docosane              | 310 | C22H46  | 000629-97-0 | 90   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 90   |
| 5    |    | Hexatriacontane       | 507 | C36H74  | 000630-06-8 | 87   |



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Data File : BN002909.D  
Acq On : 03 Oct 2018 20:15  
Operator : MJ/SJ  
Sample : J5115-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

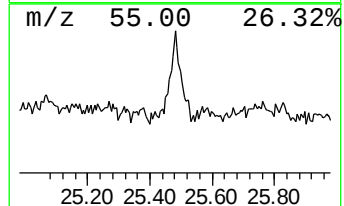
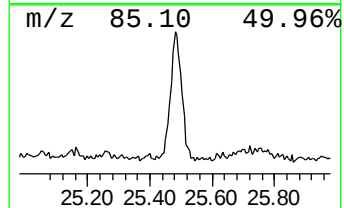
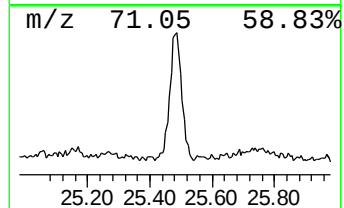
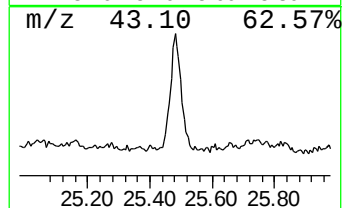
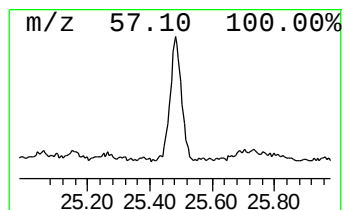
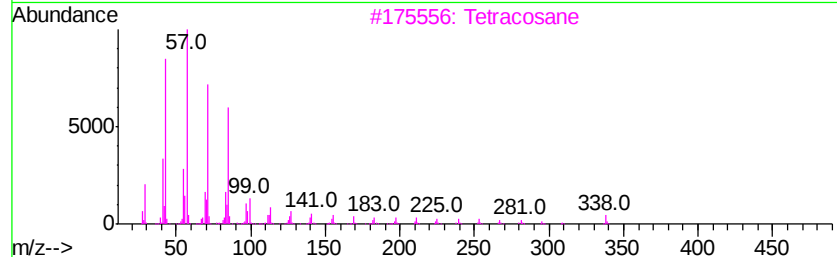
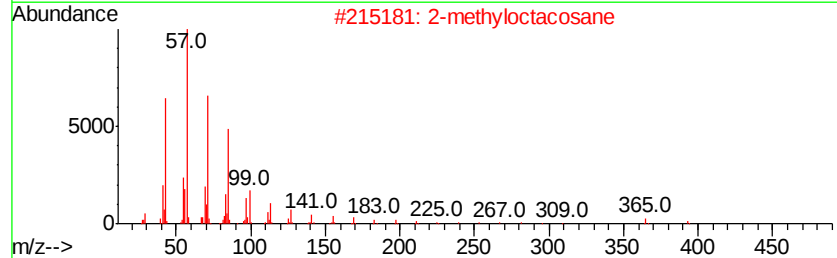
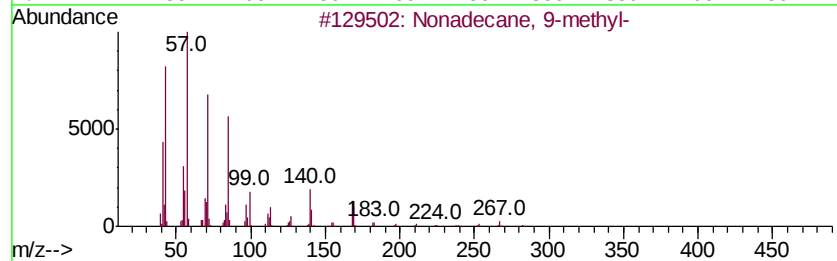
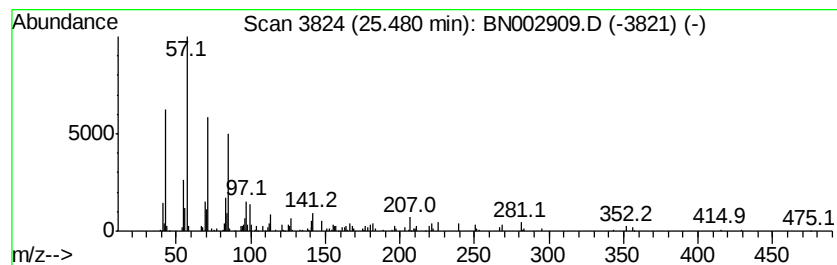
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.48 | 2.56 ng/ul | 263748 | Perylene-d12     | 23.42 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Nonadecane, 9-methyl- | 282 | C20H42  | 013287-24-6  | 91   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 86   |
| 3    |    | Tetracosane           | 338 | C24H50  | 000646-31-1  | 86   |
| 4    |    | Pentacosane           | 352 | C25H52  | 000629-99-2  | 80   |
| 5    |    | Heptadecane           | 240 | C17H36  | 000629-78-7  | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100418\  
Data File : BN002909.D  
Acq On : 03 Oct 2018 20:15  
Operator : MJ/SJ  
Sample : J5115-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.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 |
| n-Hexadecanoic acid  | 17.92 | 3.1     | ng/ul | 289541   | 4                     | 17.01 | 1869560 | 20.0 |
| (DEL) Alkane: Cyc... | 20.94 | 2.1     | ng/ul | 244015   | 5                     | 21.22 | 2367700 | 20.0 |
| (DEL) Alkane: Str... | 22.75 | 3.7     | ng/ul | 376704   | 6                     | 23.42 | 2057450 | 20.0 |
| (DEL) Alkane: Str... | 23.93 | 4.7     | ng/ul | 483443   | 6                     | 23.42 | 2057450 | 20.0 |
| (DEL) Alkane: Str... | 24.64 | 4.2     | ng/ul | 428218   | 6                     | 23.42 | 2057450 | 20.0 |
| (DEL) Alkane: Str... | 25.48 | 2.6     | ng/ul | 263748   | 6                     | 23.42 | 2057450 | 20.0 |