

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\  
 Data File : BN002937.D  
 Acq On : 04 Oct 2018 17:51  
 Operator : MJ/SJ  
 Sample : J5184-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC27

## 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         | 6.817       | 644           | 651         | 665          | rBV      | 268634         | 544044        | 17.55%          | 1.734%        |
| 2         | 6.969       | 669           | 677         | 690          | rBV      | 244177         | 415969        | 13.42%          | 1.326%        |
| 3         | 7.164       | 704           | 710         | 723          | rVB      | 312761         | 522576        | 16.86%          | 1.666%        |
| 4         | 7.622       | 782           | 788         | 797          | rBV      | 375074         | 617595        | 19.93%          | 1.968%        |
| 5         | 8.334       | 903           | 909         | 922          | rBV2     | 367838         | 655877        | 21.16%          | 2.090%        |
| 6         | 8.775       | 977           | 984         | 996          | rBV      | 307379         | 526440        | 16.98%          | 1.678%        |
| 7         | 9.493       | 1100          | 1106        | 1116         | rBV      | 252244         | 445883        | 14.39%          | 1.421%        |
| 8         | 10.034      | 1190          | 1198        | 1216         | rBV      | 355948         | 698871        | 22.55%          | 2.227%        |
| 9         | 10.393      | 1252          | 1259        | 1269         | rBV      | 595939         | 1007507       | 32.50%          | 3.211%        |
| 10        | 10.540      | 1278          | 1284        | 1301         | rBV      | 324652         | 659717        | 21.28%          | 2.103%        |
| 11        | 13.675      | 1811          | 1817        | 1821         | rBV      | 873997         | 1178403       | 38.02%          | 3.756%        |
| 12        | 13.722      | 1821          | 1825        | 1836         | rVB      | 388007         | 560038        | 18.07%          | 1.785%        |
| 13        | 13.951      | 1857          | 1864        | 1876         | rBV      | 1026767        | 1528896       | 49.33%          | 4.873%        |
| 14        | 14.263      | 1910          | 1917        | 1927         | rVB2     | 926732         | 1461934       | 47.17%          | 4.659%        |
| 15        | 14.504      | 1953          | 1958        | 1985         | rBV      | 149727         | 411105        | 13.26%          | 1.310%        |
| 16        | 15.263      | 2080          | 2087        | 2096         | rBV      | 1324208        | 1980399       | 63.89%          | 6.312%        |
| 17        | 15.404      | 2106          | 2111        | 2123         | rBV      | 282073         | 445455        | 14.37%          | 1.420%        |
| 18        | 17.010      | 2378          | 2384        | 2393         | rBV2     | 1267136        | 1848181       | 59.63%          | 5.890%        |
| 19        | 17.110      | 2395          | 2401        | 2413         | rVB2     | 1527333        | 2232078       | 72.01%          | 7.114%        |
| 20        | 17.916      | 2534          | 2538        | 2546         | rBV2     | 47646          | 78664         | 2.54%           | 0.251%        |
| 21        | 19.057      | 2727          | 2732        | 2736         | rBV      | 21638          | 32027         | 1.03%           | 0.102%        |
| 22        | 19.416      | 2787          | 2793        | 2800         | rBV      | 2030362        | 2740308       | 88.41%          | 8.734%        |
| 23        | 19.475      | 2800          | 2803        | 2809         | rVB3     | 25807          | 34498         | 1.11%           | 0.110%        |
| 24        | 19.975      | 2884          | 2888        | 2891         | rVB      | 61904          | 67030         | 2.16%           | 0.214%        |
| 25        | 20.475      | 2969          | 2973        | 2976         | rBV      | 81450          | 91879         | 2.96%           | 0.293%        |
| 26        | 20.945      | 3046          | 3053        | 3070         | rVB2     | 144421         | 316311        | 10.20%          | 1.008%        |
| 27        | 21.139      | 3083          | 3086        | 3092         | rBV      | 35140          | 49762         | 1.61%           | 0.159%        |
| 28        | 21.222      | 3095          | 3100        | 3111         | rVV2     | 1809420        | 2415337       | 77.92%          | 7.698%        |
| 29        | 21.381      | 3123          | 3127        | 3131         | rBV      | 130369         | 132512        | 4.28%           | 0.422%        |
| 30        | 21.728      | 3182          | 3186        | 3193         | rBV      | 52016          | 94693         | 3.06%           | 0.302%        |
| 31        | 21.810      | 3196          | 3200        | 3204         | rVB2     | 163014         | 203859        | 6.58%           | 0.650%        |
| 32        | 22.063      | 3240          | 3243        | 3248         | rBV3     | 35594          | 42583         | 1.37%           | 0.136%        |
| 33        | 22.263      | 3272          | 3277        | 3285         | rVB      | 241601         | 322008        | 10.39%          | 1.026%        |
| 34        | 22.386      | 3293          | 3298        | 3304         | rBV      | 158375         | 218791        | 7.06%           | 0.697%        |

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Sample : J5184-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
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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-BN091418MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |     |         |         |         |        |
|----|--------|------|------|------|-----|---------|---------|---------|--------|
| 35 | 22.757 | 3356 | 3361 | 3368 | rVB | 235216  | 329504  | 10.63%  | 1.050% |
| 36 | 23.292 | 3445 | 3452 | 3467 | rVB | 1504924 | 3099578 | 100.00% | 9.879% |
| 37 | 23.427 | 3468 | 3475 | 3486 | rVB | 1105927 | 2156286 | 69.57%  | 6.872% |
| 38 | 23.933 | 3555 | 3561 | 3570 | rVB | 241652  | 460674  | 14.86%  | 1.468% |
| 39 | 24.651 | 3677 | 3683 | 3692 | rBV | 212294  | 432705  | 13.96%  | 1.379% |
| 40 | 25.492 | 3820 | 3826 | 3835 | rVB | 130133  | 315996  | 10.19%  | 1.007% |

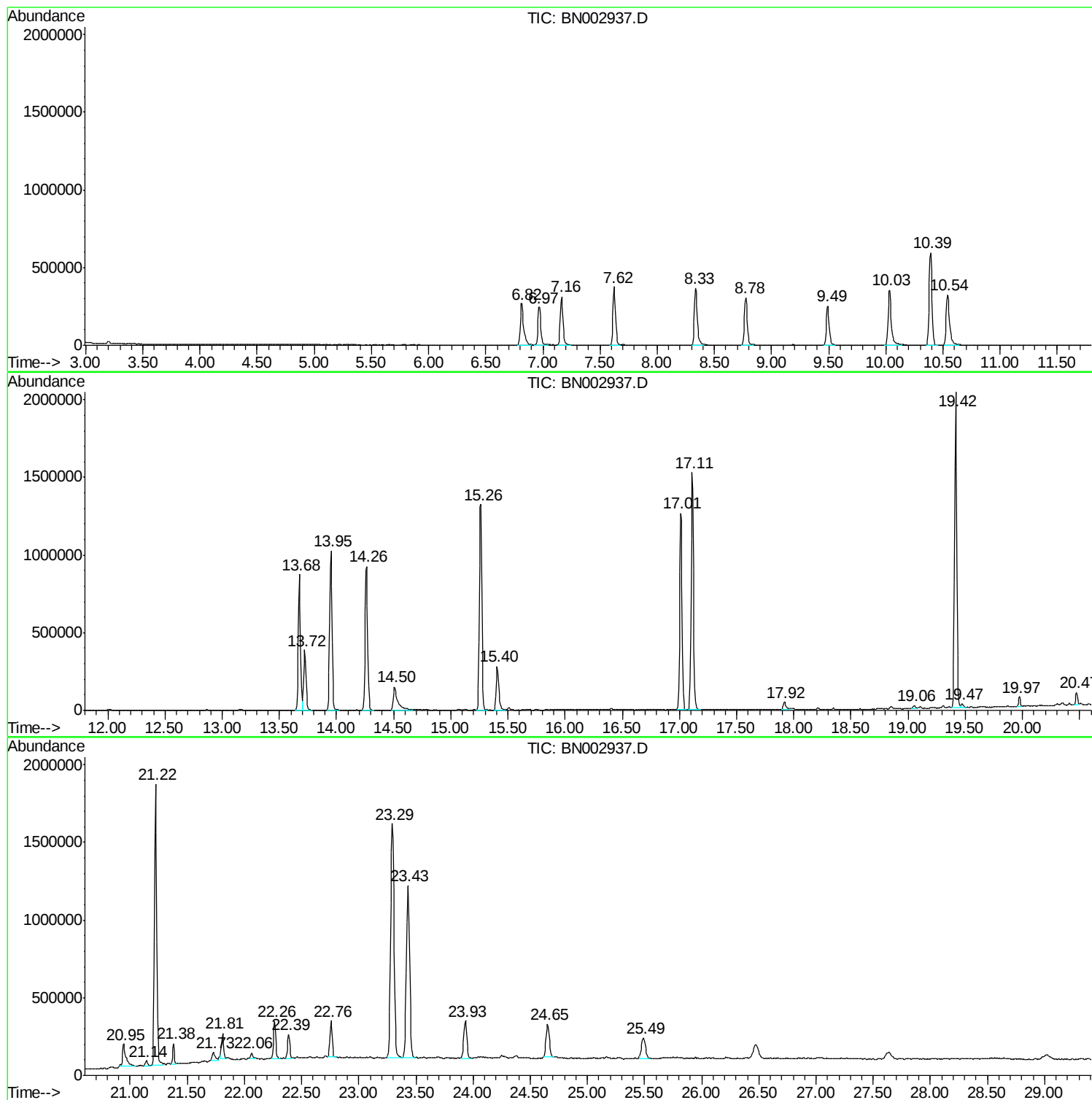
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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



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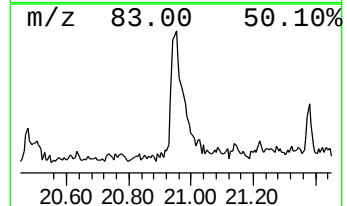
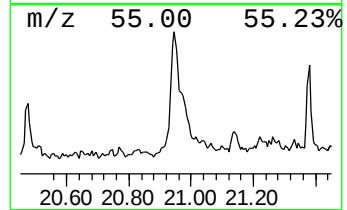
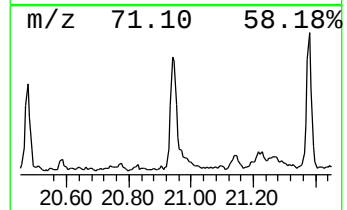
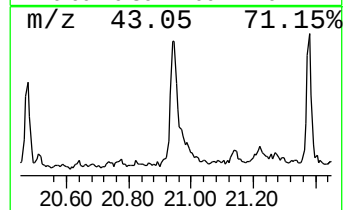
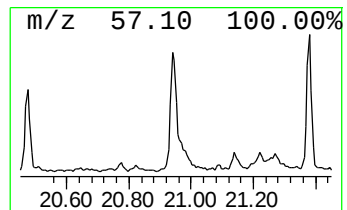
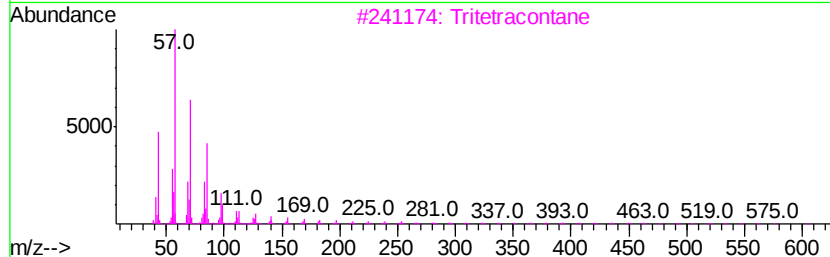
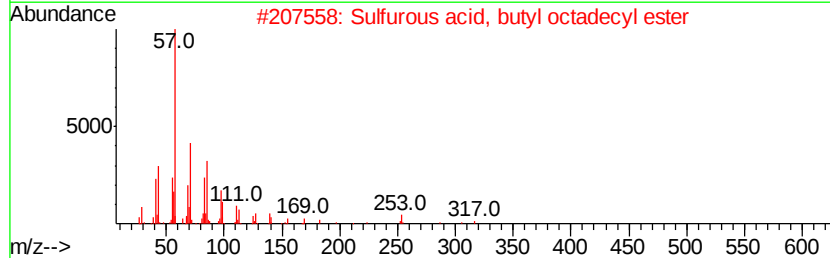
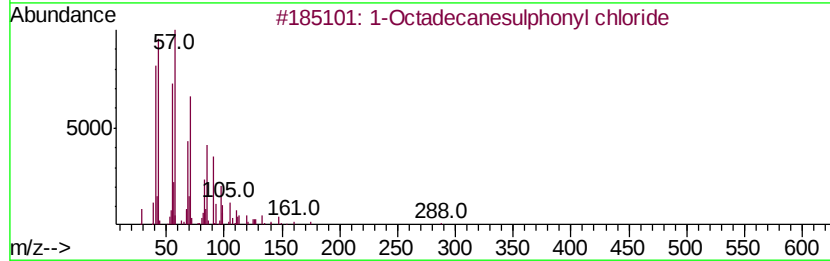
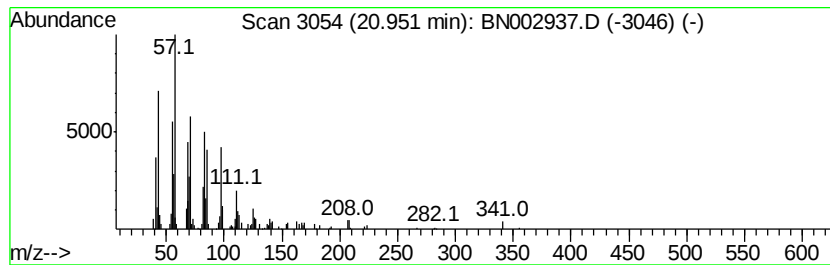
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 1-Octadecanesulphonyl chloride Concentration Rank 6

| R.T.    | EstConc               | Area          | Relative to ISTD | R.T.        |              |      |
|---------|-----------------------|---------------|------------------|-------------|--------------|------|
| 20.95   | 2.62 ng/ul            | 316311        | Chrysene-d12     | 21.22       |              |      |
| Hit# of | 5                     | Tentative ID  | MW               | MolForm     | CAS#         | Qual |
| 1       | 1-Octadecanesulphonyl | chloride      | 352              | C18H37ClO2S | 1000342-70-4 | 91   |
| 2       | Sulfurous acid, butyl | octadecyl ... | 390              | C22H46O3S   | 1000309-18-5 | 87   |
| 3       | Tritetracontane       |               | 605              | C43H88      | 007098-21-7  | 87   |
| 4       | 1-Chloroeicosane      |               | 316              | C20H41Cl    | 042217-02-7  | 87   |
| 5       | 1-Dodecanol, 2-octyl- |               | 298              | C20H42O     | 005333-42-6  | 83   |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

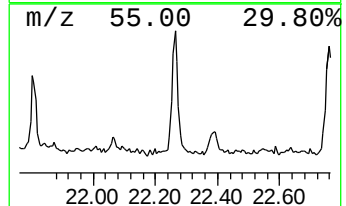
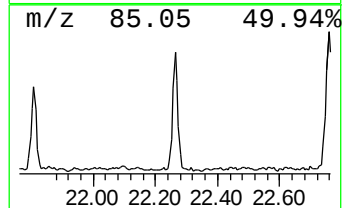
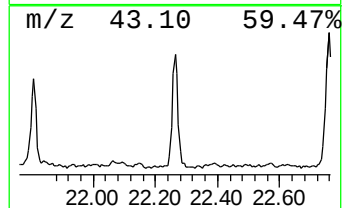
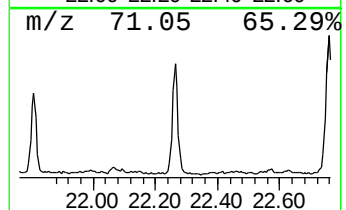
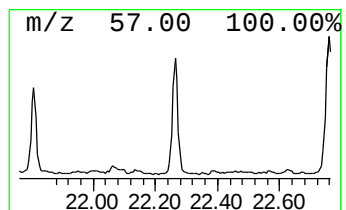
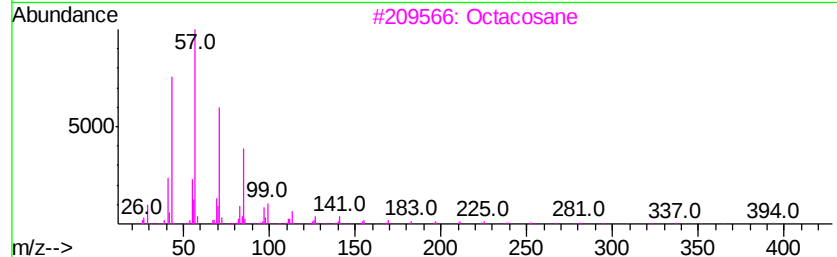
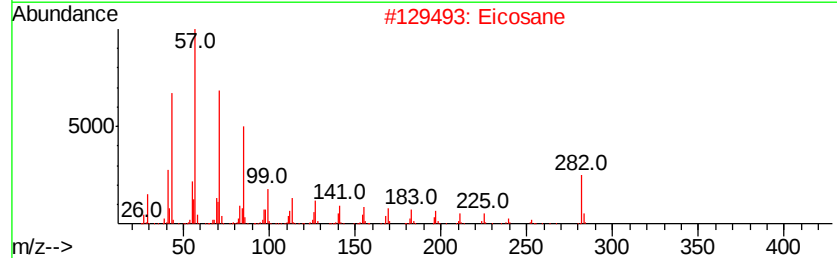
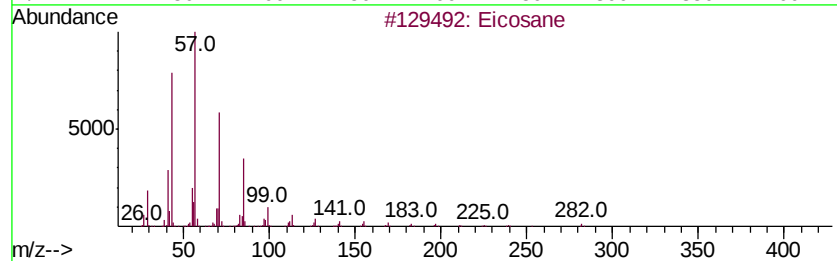
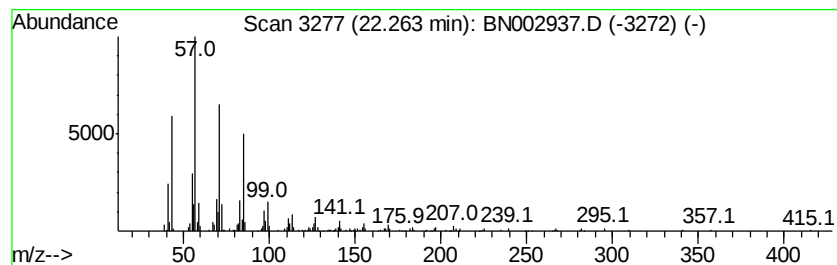
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.           |
|---------|-----------------------|--------------|------------------|----------------|
| 22.26   | 2.67 ng/ul            | 322008       | Chrysene-d12     | 21.22          |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Eicosane              |              | 282 C20H42       | 000112-95-8 93 |
| 2       | Eicosane              |              | 282 C20H42       | 000112-95-8 89 |
| 3       | Octacosane            |              | 394 C28H58       | 000630-02-4 87 |
| 4       | Heptadecane, 9-octyl- |              | 352 C25H52       | 007225-64-1 83 |
| 5       | Tetracosane           |              | 338 C24H50       | 000646-31-1 83 |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

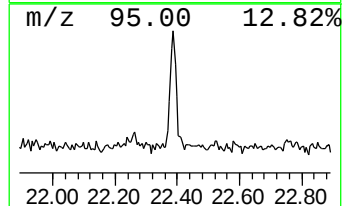
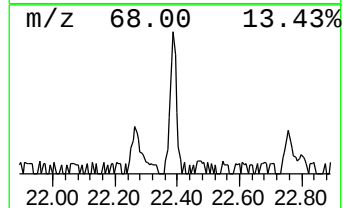
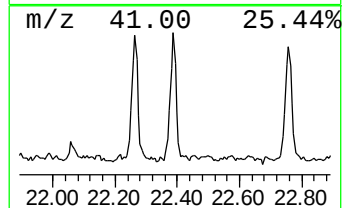
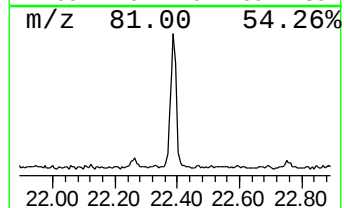
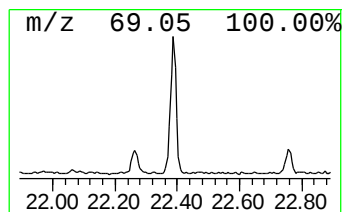
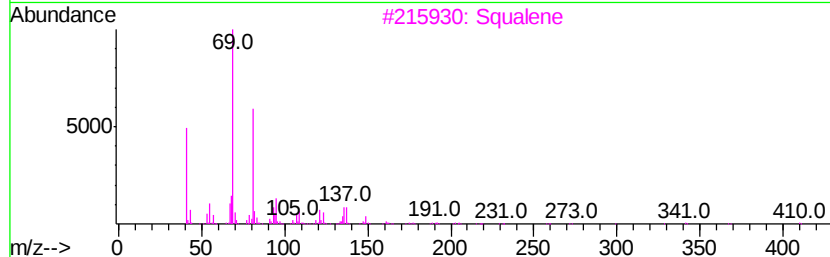
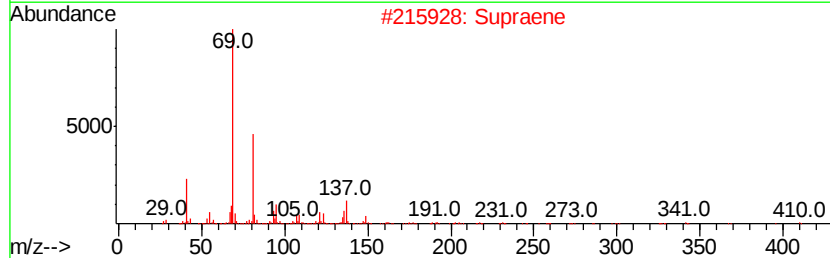
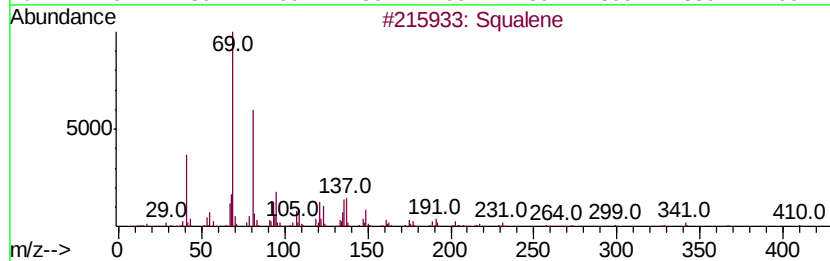
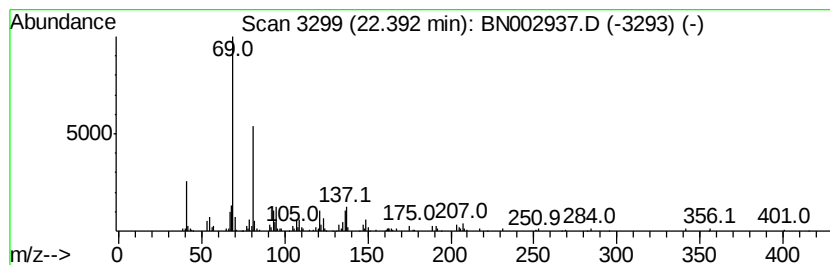
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Squalene Concentration Rank 7

| R.T.    | EstConc    | Area         | Relative to ISTD | R.T.      |
|---------|------------|--------------|------------------|-----------|
| 22.39   | 2.03 ng/ul | 218791       | Perylene-d12     | 23.43     |
| Hit# of | 5          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene   | 410 C30H50   | 000111-02-4      | 87        |
| 2       | Supraene   | 410 C30H50   | 007683-64-9      | 87        |
| 3       | Squalene   | 410 C30H50   | 000111-02-4      | 87        |
| 4       | Squalene   | 410 C30H50   | 000111-02-4      | 87        |
| 5       | Squalene   | 410 C30H50   | 000111-02-4      | 87        |



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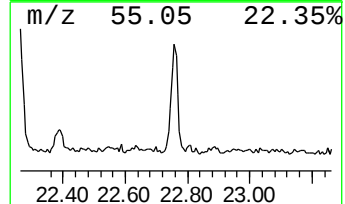
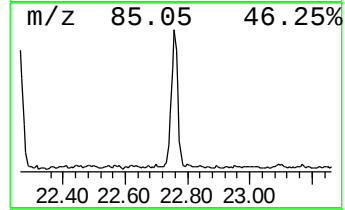
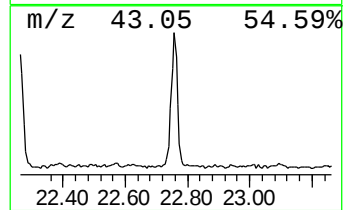
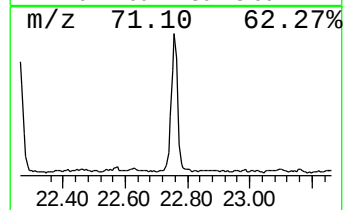
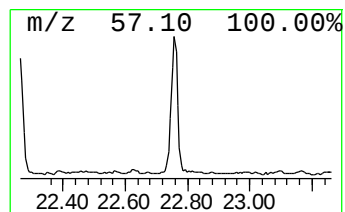
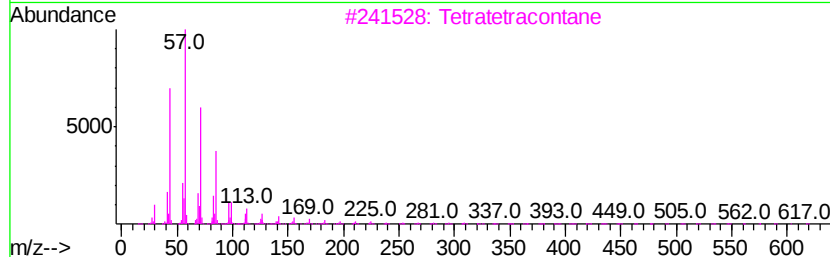
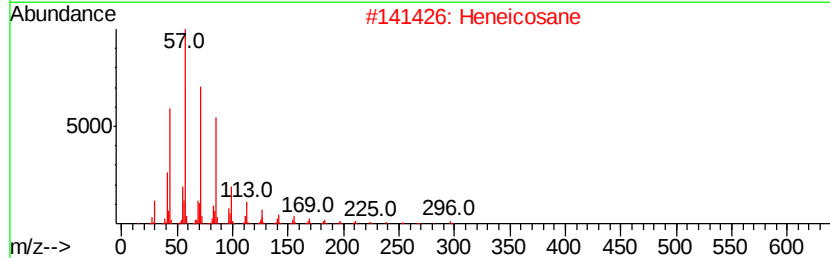
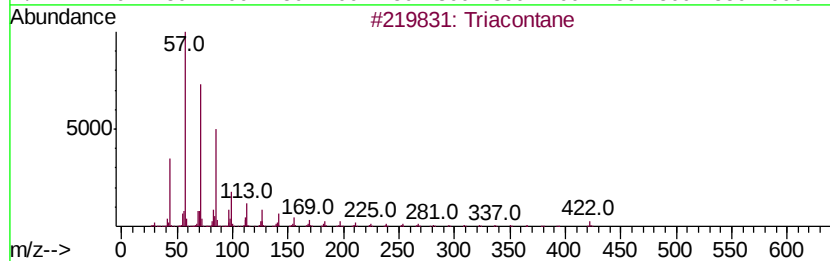
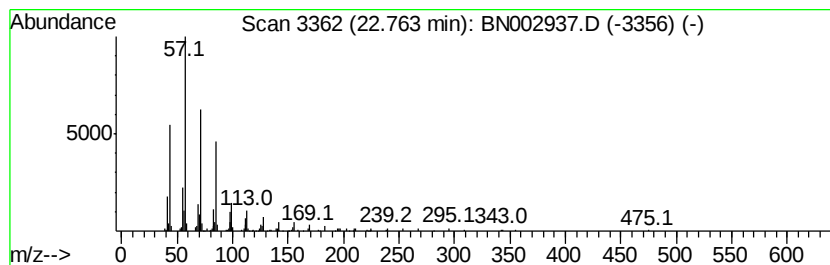
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.76 | 3.06 ng/ul | 329504 | Perylene-d12     | 23.43 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 91   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 5    |    | Docosane              | 310 | C22H46  | 000629-97-0 | 91   |



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Quant Title : SVOA CALIBRATION

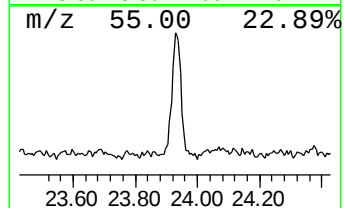
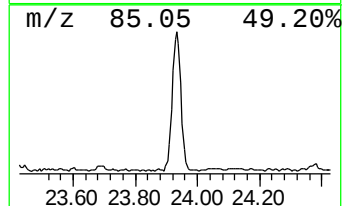
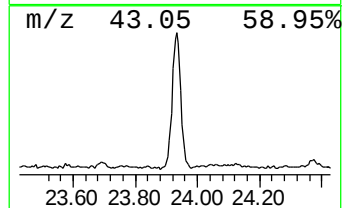
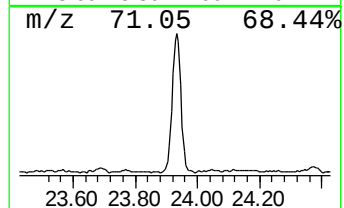
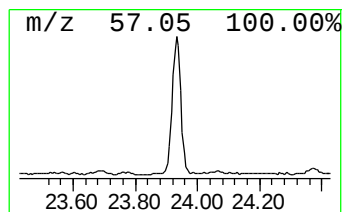
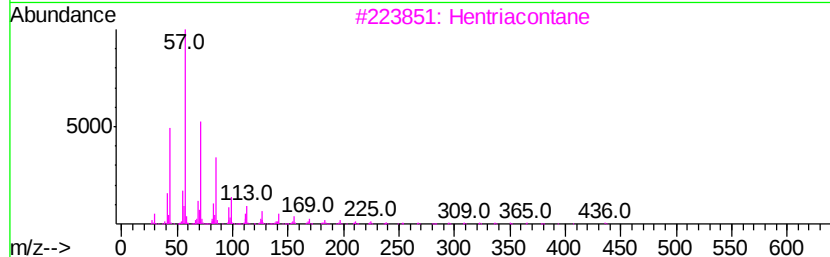
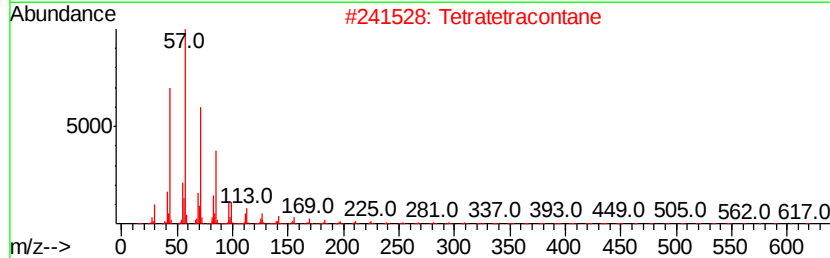
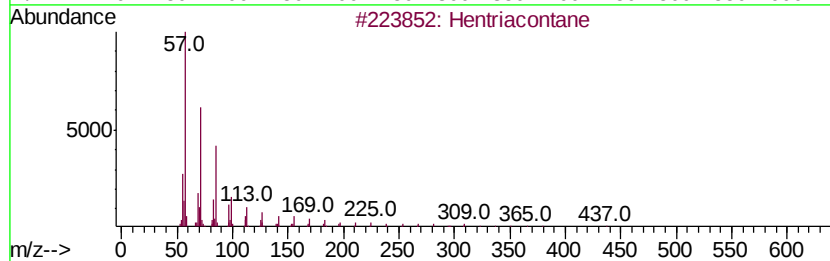
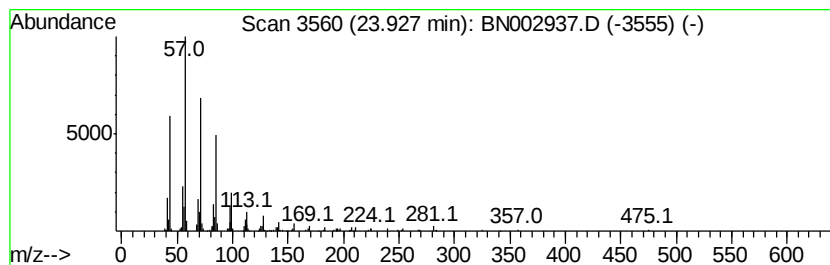
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.93 | 4.27 ng/ul | 460674 | Perylene-d12     | 23.43 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 90   |
| 2    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 90   |
| 3    |    | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 90   |
| 4    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\  
Data File : BN002937.D  
Acq On : 04 Oct 2018 17:51  
Operator : MJ/SJ  
Sample : J5184-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC27

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

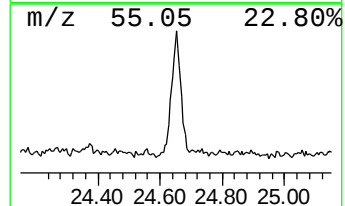
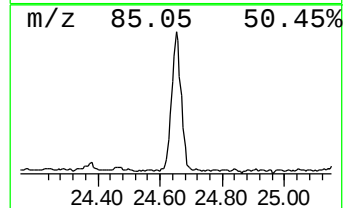
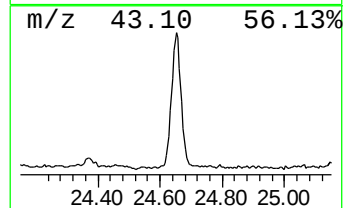
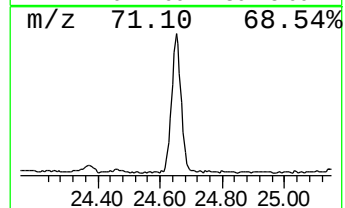
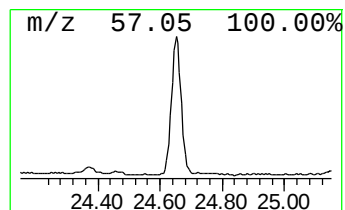
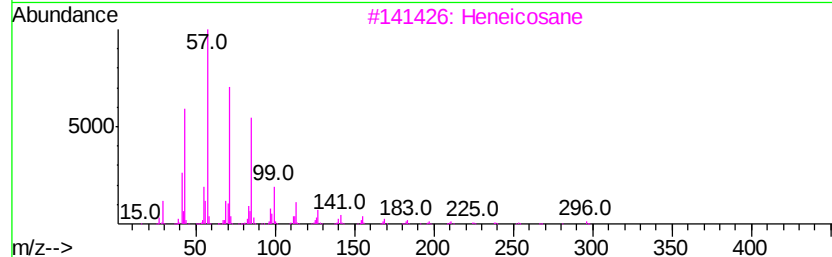
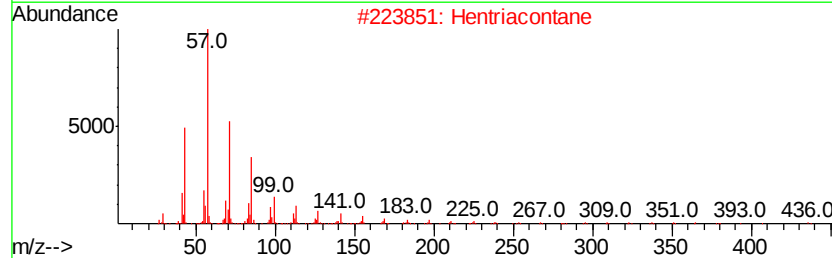
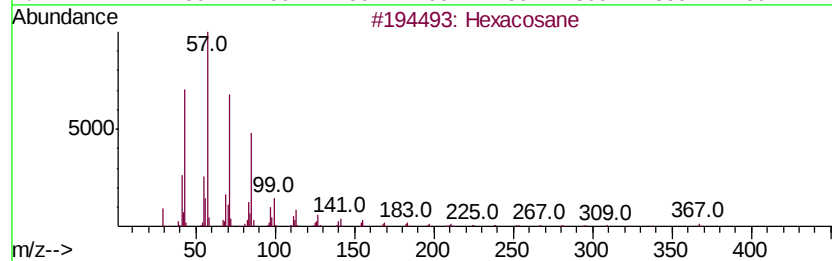
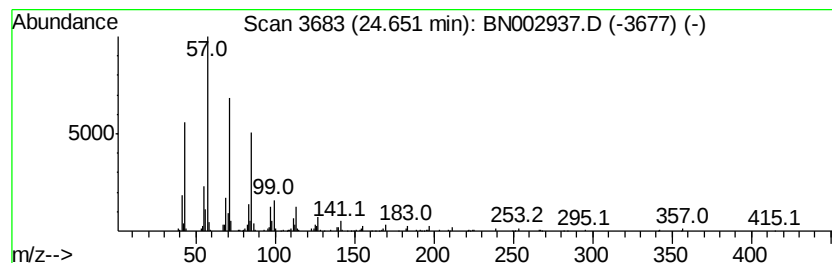
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.65 | 4.01 ng/ul | 432705 | Perylene-d12     | 23.43 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane             | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    |   | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 91   |
| 3    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 5    |    |   | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\  
 Data File : BN002937.D  
 Acq On : 04 Oct 2018 17:51  
 Operator : MJ/SJ  
 Sample : J5184-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

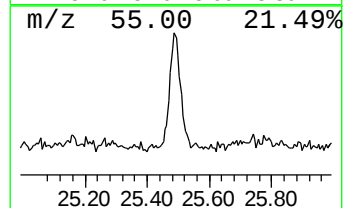
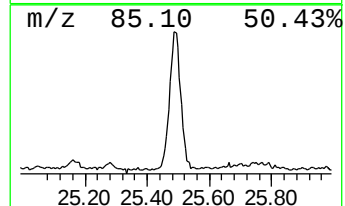
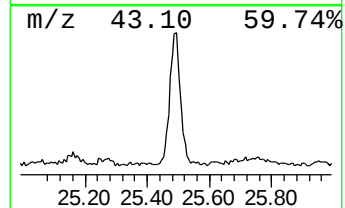
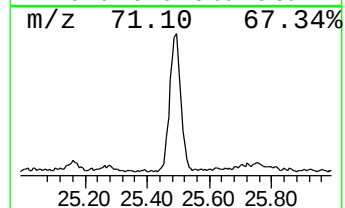
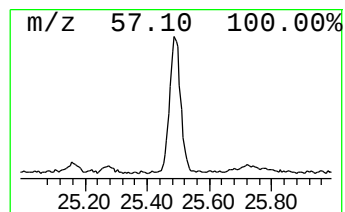
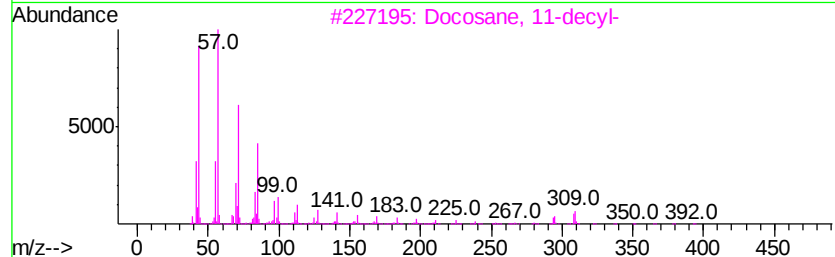
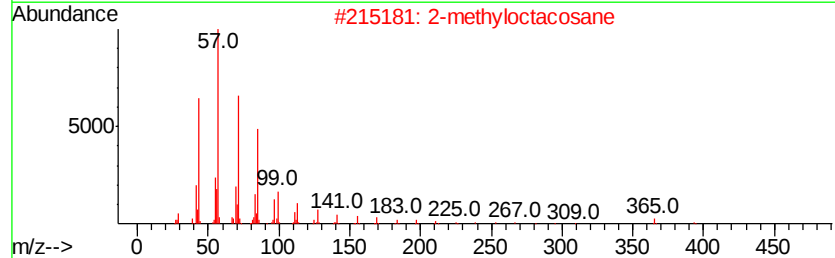
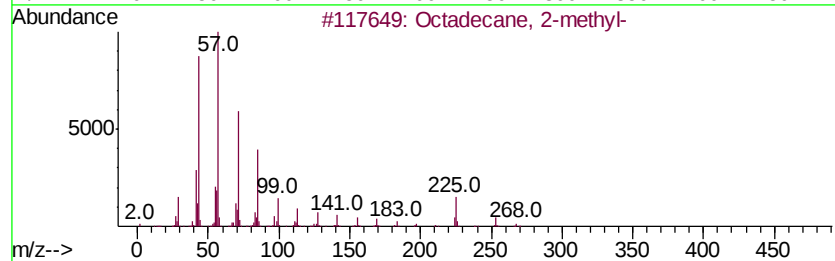
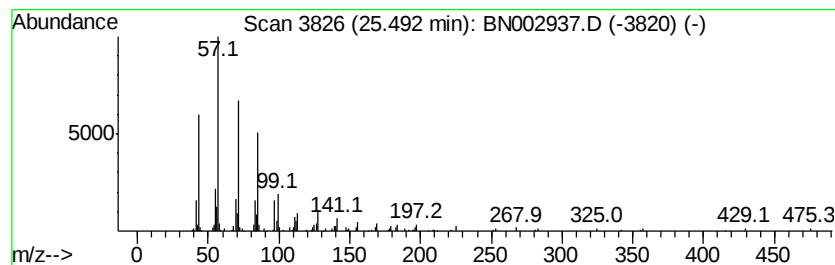
Instrument :  
 BNA\_N  
 ClientSampleId :  
 JLC27

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 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.         |      |
|-----------|-----------------------|--------|------------------|--------------|------|
| 25.49     | 2.93 ng/ul            | 315996 | Perylene-d12     | 23.43        |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#         | Qual |
| 1         | Octadecane, 2-methyl- | 268    | C19H40           | 001560-88-9  | 93   |
| 2         | 2-methyloctacosane    | 408    | C29H60           | 1000376-72-8 | 91   |
| 3         | Docosane, 11-decyl-   | 451    | C32H66           | 055401-55-3  | 91   |
| 4         | Heptadecane, 9-octyl- | 352    | C25H52           | 007225-64-1  | 91   |
| 5         | Hexacosane            | 366    | C26H54           | 000630-01-3  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100518\  
Data File : BN002937.D  
Acq On : 04 Oct 2018 17:51  
Operator : MJ/SJ  
Sample : J5184-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLC27

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 |
| 1-Octadecanesulph... | 20.95 | 2.6     | ng/ul | 316311   | 5                     | 21.22 | 2415340 | 20.0 |
| (DEL) Alkane: Str... | 22.26 | 2.7     | ng/ul | 322008   | 5                     | 21.22 | 2415340 | 20.0 |
| Squalene             | 22.39 | 2.0     | ng/ul | 218791   | 6                     | 23.43 | 2156290 | 20.0 |
| (DEL) Alkane: Str... | 22.76 | 3.1     | ng/ul | 329504   | 6                     | 23.43 | 2156290 | 20.0 |
| (DEL) Alkane: Str... | 23.93 | 4.3     | ng/ul | 460674   | 6                     | 23.43 | 2156290 | 20.0 |
| (DEL) Alkane: Str... | 24.65 | 4.0     | ng/ul | 432705   | 6                     | 23.43 | 2156290 | 20.0 |
| (DEL) Alkane: Str... | 25.49 | 2.9     | ng/ul | 315996   | 6                     | 23.43 | 2156290 | 20.0 |