

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
 Data File : BM019604.D  
 Acq On : 30 Mar 2019 05:55  
 Operator : JU/SJ  
 Sample : K2122-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF5B0

## 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\_M\METHODS\SOM-EPA-BM032219MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.128    | 21         | 24       | 34        | rBV   | 19051       | 35570      | 1.12%        | 0.138%     |
| 2      | 3.722    | 122        | 125      | 131       | rVB2  | 10022       | 16273      | 0.51%        | 0.063%     |
| 3      | 4.728    | 291        | 296      | 301       | rBV2  | 7413        | 13320      | 0.42%        | 0.052%     |
| 4      | 6.763    | 637        | 642      | 664       | rBV   | 157784      | 341845     | 10.74%       | 1.324%     |
| 5      | 6.934    | 666        | 671      | 690       | rBV   | 138644      | 292652     | 9.19%        | 1.133%     |
| 6      | 7.110    | 696        | 701      | 715       | rVB   | 207998      | 372458     | 11.70%       | 1.442%     |
| 7      | 7.575    | 773        | 780      | 790       | rBV   | 418153      | 716783     | 22.51%       | 2.776%     |
| 8      | 7.639    | 790        | 791      | 799       | rVB2  | 4627        | 6437       | 0.20%        | 0.025%     |
| 9      | 8.298    | 896        | 903      | 920       | rBV   | 192537      | 405853     | 12.75%       | 1.572%     |
| 10     | 8.428    | 922        | 925      | 930       | rVB3  | 3903        | 5483       | 0.17%        | 0.021%     |
| 11     | 8.751    | 973        | 980      | 992       | rBV   | 181722      | 352368     | 11.07%       | 1.365%     |
| 12     | 9.075    | 1029       | 1035     | 1041      | rVB2  | 11174       | 15375      | 0.48%        | 0.060%     |
| 13     | 9.463    | 1095       | 1101     | 1117      | rBV   | 150043      | 284973     | 8.95%        | 1.104%     |
| 14     | 9.998    | 1186       | 1192     | 1211      | rBV   | 168224      | 409785     | 12.87%       | 1.587%     |
| 15     | 10.357   | 1246       | 1253     | 1264      | rBV   | 649017      | 1095700    | 34.41%       | 4.243%     |
| 16     | 10.533   | 1275       | 1283     | 1307      | rBV2  | 132560      | 386504     | 12.14%       | 1.497%     |
| 17     | 13.033   | 1705       | 1708     | 1713      | rVB3  | 2641        | 3436       | 0.11%        | 0.013%     |
| 18     | 13.657   | 1808       | 1814     | 1819      | rBV   | 493733      | 736826     | 23.14%       | 2.853%     |
| 19     | 13.704   | 1819       | 1822     | 1831      | rVB   | 97735       | 161375     | 5.07%        | 0.625%     |
| 20     | 13.927   | 1853       | 1860     | 1877      | rBV   | 558816      | 845646     | 26.56%       | 3.275%     |
| 21     | 14.233   | 1904       | 1912     | 1926      | rBV2  | 983017      | 1493774    | 46.91%       | 5.785%     |
| 22     | 14.510   | 1954       | 1959     | 1972      | rBV3  | 43861       | 151074     | 4.74%        | 0.585%     |
| 23     | 15.021   | 2042       | 2046     | 2050      | rBV2  | 2508        | 3523       | 0.11%        | 0.014%     |
| 24     | 15.086   | 2053       | 2057     | 2059      | rVB3  | 3788        | 4584       | 0.14%        | 0.018%     |
| 25     | 15.239   | 2077       | 2083     | 2095      | rBV   | 730514      | 1159395    | 36.41%       | 4.490%     |
| 26     | 15.392   | 2103       | 2109     | 2118      | rBV   | 121223      | 221634     | 6.96%        | 0.858%     |
| 27     | 15.480   | 2121       | 2124     | 2130      | rVB4  | 7933        | 11818      | 0.37%        | 0.046%     |
| 28     | 15.945   | 2200       | 2203     | 2209      | rBV3  | 3197        | 5410       | 0.17%        | 0.021%     |
| 29     | 16.745   | 2335       | 2339     | 2343      | rVB4  | 2677        | 3867       | 0.12%        | 0.015%     |
| 30     | 16.786   | 2343       | 2346     | 2354      | rBV3  | 4434        | 6559       | 0.21%        | 0.025%     |
| 31     | 16.992   | 2375       | 2381     | 2392      | rBV2  | 1300437     | 1840971    | 57.82%       | 7.129%     |
| 32     | 17.098   | 2392       | 2399     | 2415      | rVB   | 771377      | 1261743    | 39.63%       | 4.886%     |
| 33     | 17.286   | 2428       | 2431     | 2436      | rVB3  | 5023        | 5519       | 0.17%        | 0.021%     |
| 34     | 17.339   | 2436       | 2440     | 2445      | rVB3  | 7802        | 8693       | 0.27%        | 0.034%     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
 Data File : BM019604.D  
 Acq On : 30 Mar 2019 05:55  
 Operator : JU/SJ  
 Sample : K2122-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF5B0

## 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\_M\METHODS\SOM-EPA-BM032219MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 17.480 | 2461 | 2464 | 2468 | rVB2 | 2996    | 3757    | 0.12%   | 0.015%  |
| 36 | 17.886 | 2529 | 2533 | 2542 | rBV2 | 36801   | 61648   | 1.94%   | 0.239%  |
| 37 | 18.174 | 2578 | 2582 | 2588 | rVB6 | 5178    | 8562    | 0.27%   | 0.033%  |
| 38 | 18.609 | 2651 | 2656 | 2659 | rBV  | 14562   | 17418   | 0.55%   | 0.067%  |
| 39 | 18.650 | 2659 | 2663 | 2668 | rVV  | 28590   | 34262   | 1.08%   | 0.133%  |
| 40 | 18.762 | 2678 | 2682 | 2686 | rBV6 | 3629    | 3419    | 0.11%   | 0.013%  |
| 41 | 18.815 | 2688 | 2691 | 2695 | rVB5 | 4485    | 5638    | 0.18%   | 0.022%  |
| 42 | 19.045 | 2725 | 2730 | 2732 | rBV4 | 9133    | 14887   | 0.47%   | 0.058%  |
| 43 | 19.180 | 2749 | 2753 | 2761 | rBV4 | 24195   | 41897   | 1.32%   | 0.162%  |
| 44 | 19.292 | 2770 | 2772 | 2775 | rVB4 | 6649    | 7311    | 0.23%   | 0.028%  |
| 45 | 19.321 | 2775 | 2777 | 2781 | rBV4 | 4995    | 5923    | 0.19%   | 0.023%  |
| 46 | 19.350 | 2781 | 2782 | 2785 | rBV3 | 4745    | 3636    | 0.11%   | 0.014%  |
| 47 | 19.403 | 2785 | 2791 | 2799 | rBV  | 1088149 | 1571902 | 49.37%  | 6.087%  |
| 48 | 19.739 | 2844 | 2848 | 2851 | rBV  | 232253  | 232202  | 7.29%   | 0.899%  |
| 49 | 19.774 | 2851 | 2854 | 2861 | rVB  | 472300  | 514197  | 16.15%  | 1.991%  |
| 50 | 20.433 | 2963 | 2966 | 2971 | rBV6 | 16667   | 22011   | 0.69%   | 0.085%  |
| 51 | 20.715 | 3010 | 3014 | 3017 | rBV  | 83736   | 95426   | 3.00%   | 0.370%  |
| 52 | 20.750 | 3017 | 3020 | 3024 | rVB  | 177438  | 177579  | 5.58%   | 0.688%  |
| 53 | 20.897 | 3041 | 3045 | 3054 | rBV2 | 160500  | 217965  | 6.85%   | 0.844%  |
| 54 | 21.197 | 3091 | 3096 | 3109 | rBV  | 2050424 | 2680578 | 84.19%  | 10.381% |
| 55 | 21.333 | 3116 | 3119 | 3127 | rBV  | 71801   | 93254   | 2.93%   | 0.361%  |
| 56 | 21.580 | 3159 | 3161 | 3163 | rBV3 | 36040   | 35483   | 1.11%   | 0.137%  |
| 57 | 21.615 | 3164 | 3167 | 3170 | rVB2 | 77055   | 83772   | 2.63%   | 0.324%  |
| 58 | 21.762 | 3188 | 3192 | 3200 | rBV  | 113316  | 152643  | 4.79%   | 0.591%  |
| 59 | 22.209 | 3265 | 3268 | 3273 | rVB  | 200101  | 249464  | 7.83%   | 0.966%  |
| 60 | 22.703 | 3348 | 3352 | 3357 | rVB  | 264147  | 345059  | 10.84%  | 1.336%  |
| 61 | 23.256 | 3440 | 3446 | 3455 | rBV2 | 1356004 | 2481299 | 77.93%  | 9.609%  |
| 62 | 23.403 | 3464 | 3471 | 3482 | rVB  | 1738865 | 3184063 | 100.00% | 12.331% |
| 63 | 23.874 | 3547 | 3551 | 3558 | rVB  | 235559  | 420276  | 13.20%  | 1.628%  |
| 64 | 24.597 | 3669 | 3674 | 3681 | rVB  | 181544  | 379823  | 11.93%  | 1.471%  |

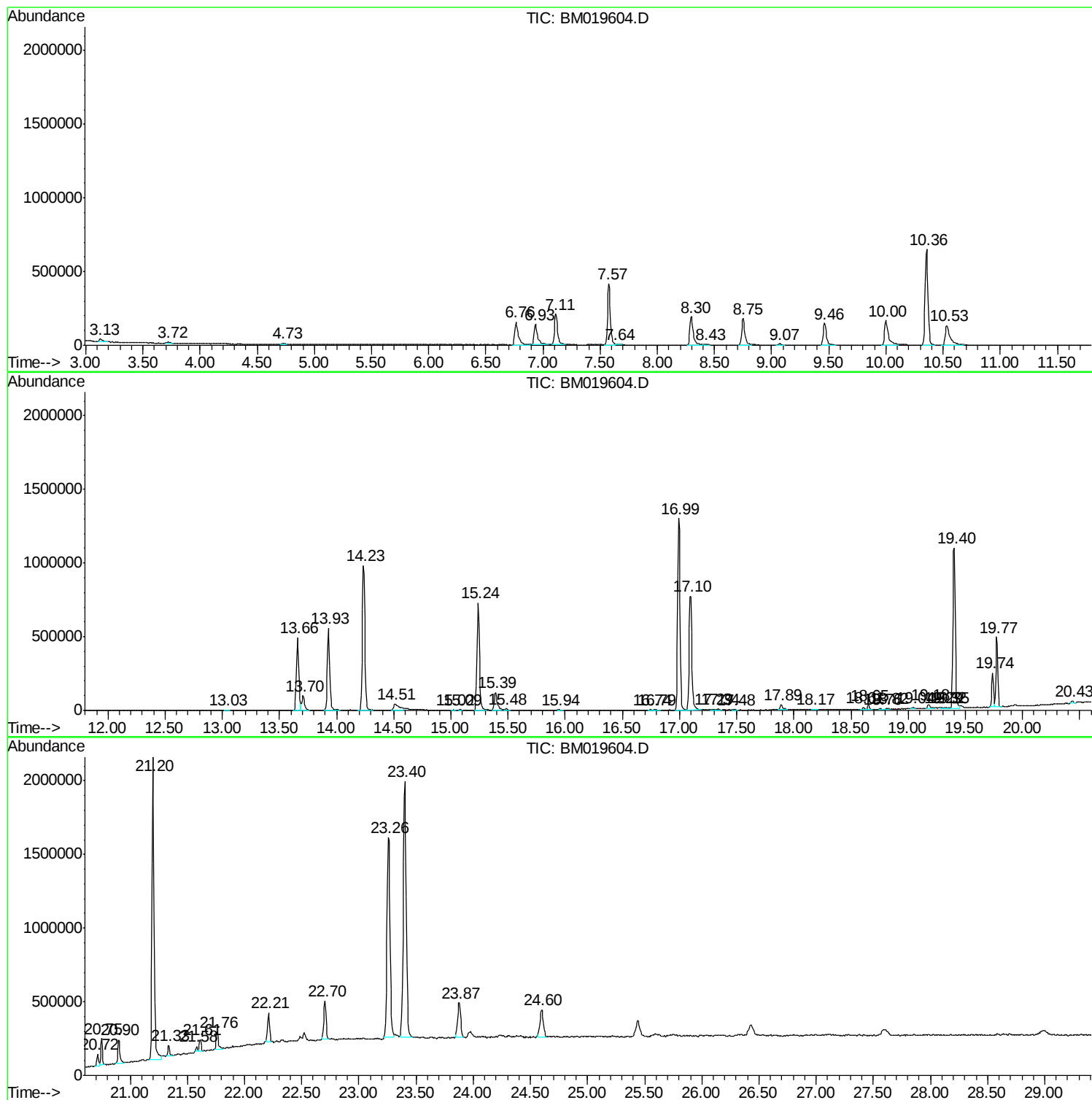
Sum of corrected areas: 25822580

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

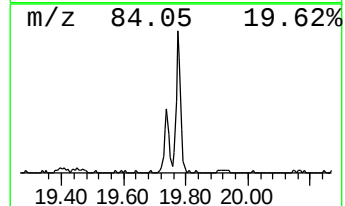
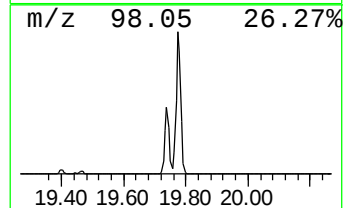
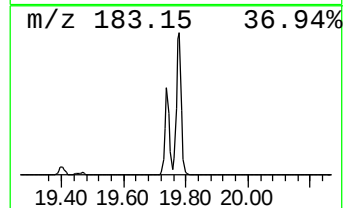
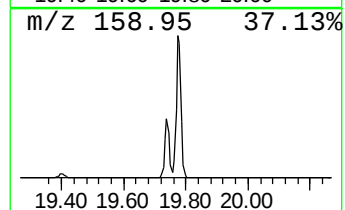
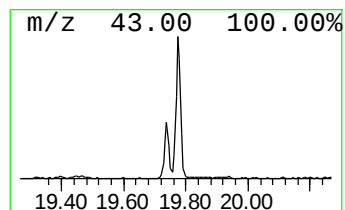
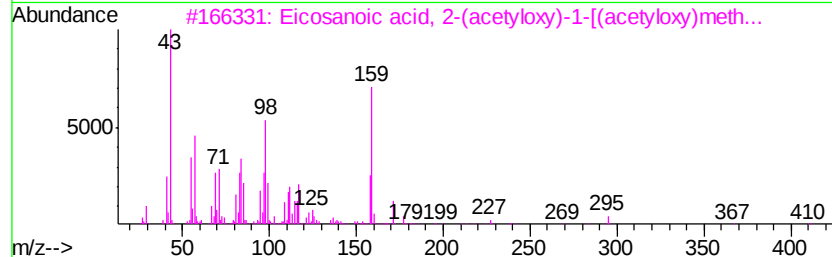
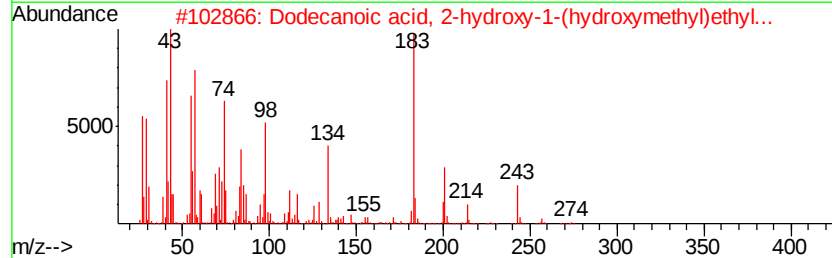
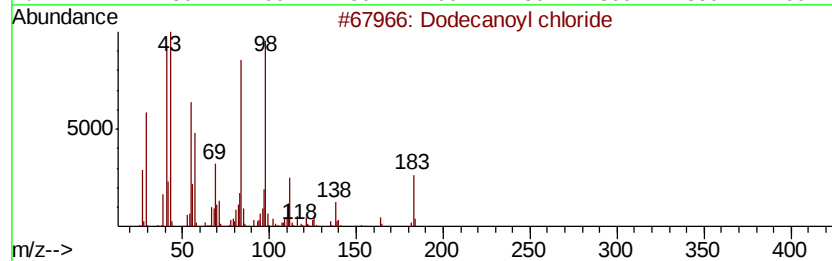
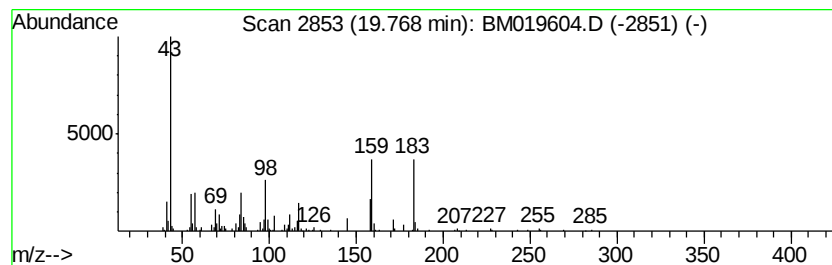
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.77 | 3.84 ng/ul | 514197 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Dodecanoyl chloride                 | 218 | C12H23ClO | 000112-16-3 | 43   |
| 2    |    | Dodecanoic acid, 2-hydroxy-1-(hy... | 274 | C15H30O4  | 001678-45-1 | 23   |
| 3    |    | Eicosanoic acid, 2-(acetyloxy)-1... | 470 | C27H50O6  | 055429-68-0 | 22   |
| 4    |    | Eicosanoic acid, 2,3-bis(acetylo... | 470 | C27H50O6  | 055429-67-9 | 12   |
| 5    |    | 4,5,6-Trimethyltetrahydro-1,3-ox... | 159 | C7H13NOS  | 085333-98-8 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

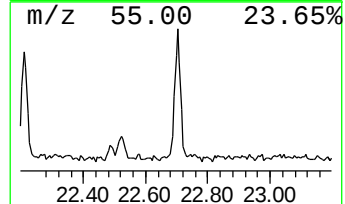
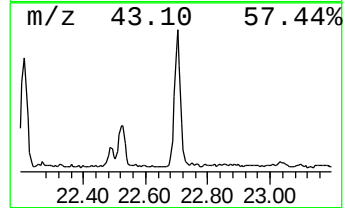
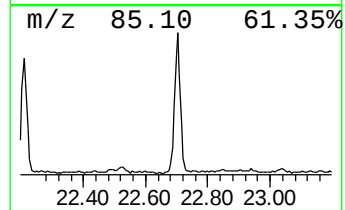
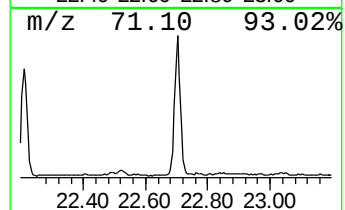
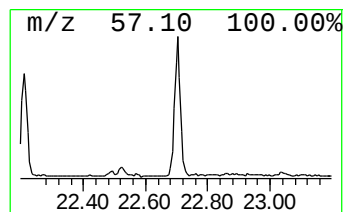
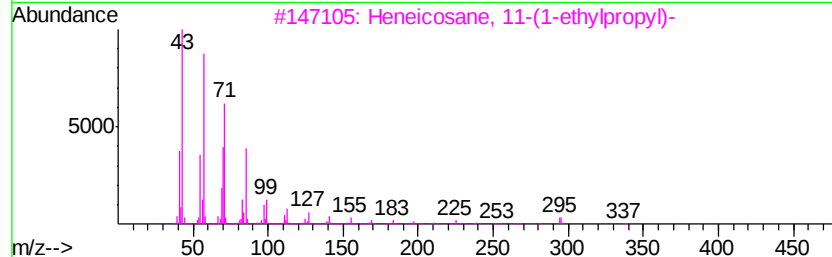
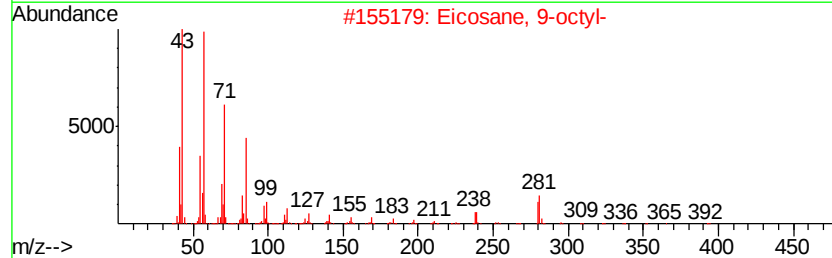
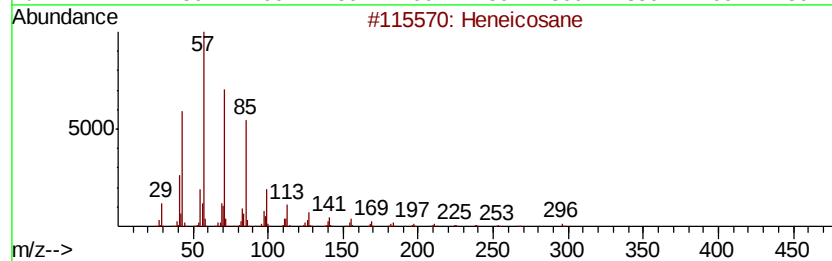
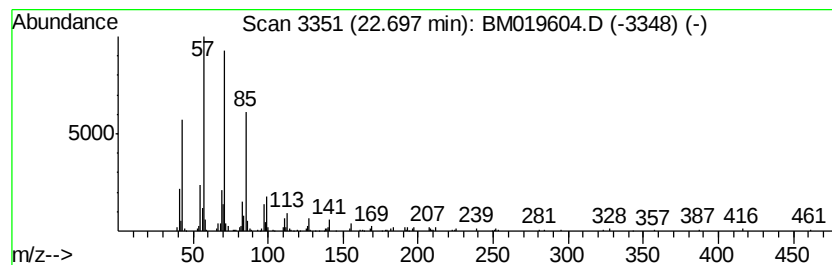
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.70 | 2.17 ng/ul | 345059 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 90   |
| 2    |    | Eicosane, 9-octyl-               | 394 | C28H58  | 013475-77-9 | 90   |
| 3    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 90   |
| 4    |    | 10-Methylnonadecane              | 282 | C20H42  | 056862-62-5 | 90   |
| 5    |    | Tetracosane                      | 338 | C24H50  | 000646-31-1 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

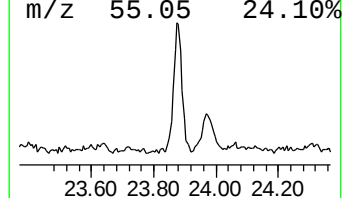
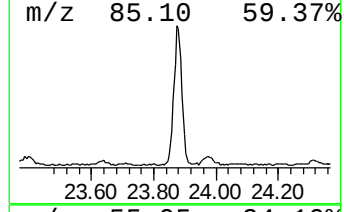
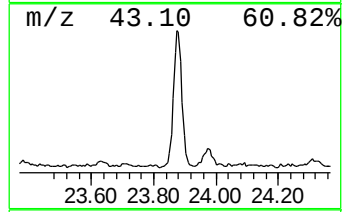
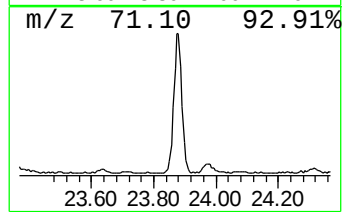
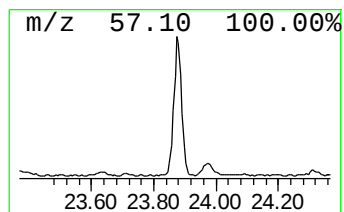
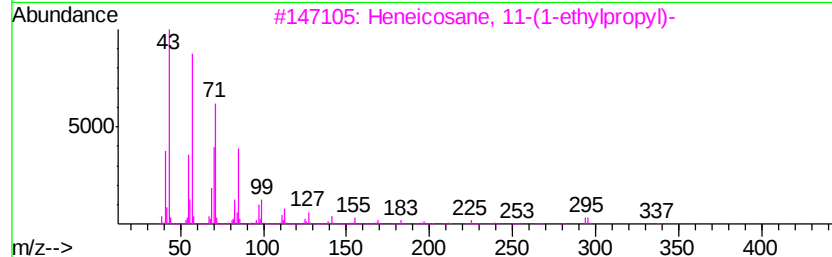
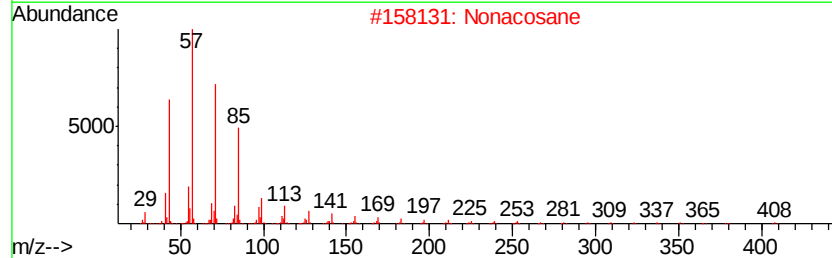
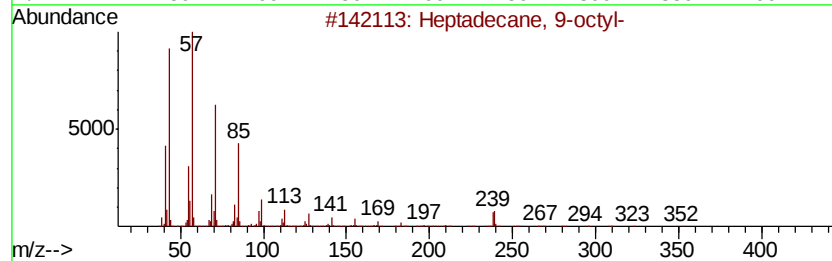
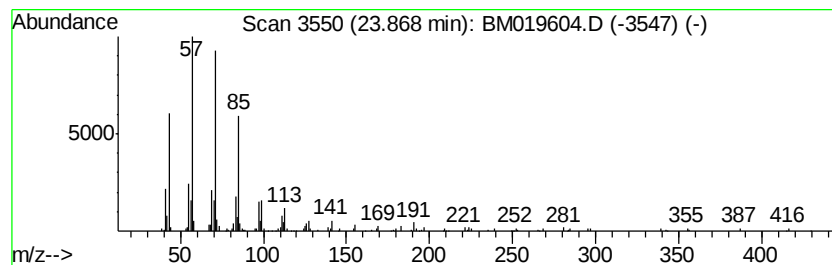
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.87 | 2.64 ng/ul | 420276 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl-            | 352 | C25H52  | 007225-64-1 | 91   |
| 2    |    | Nonacosane                       | 408 | C29H60  | 000630-03-5 | 91   |
| 3    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 4    |    | Triacontane                      | 422 | C30H62  | 000638-68-6 | 91   |
| 5    |    | Tetratriacontane                 | 479 | C34H70  | 014167-59-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

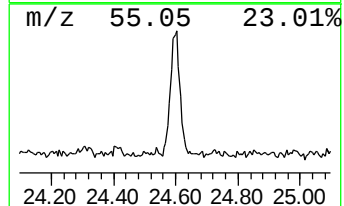
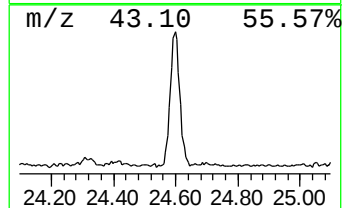
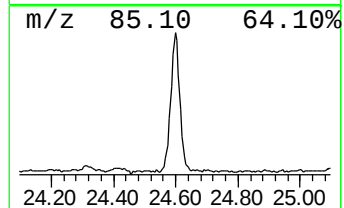
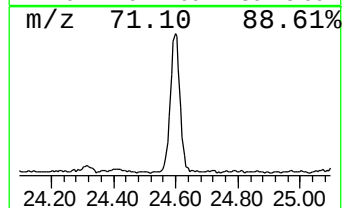
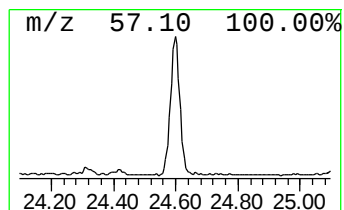
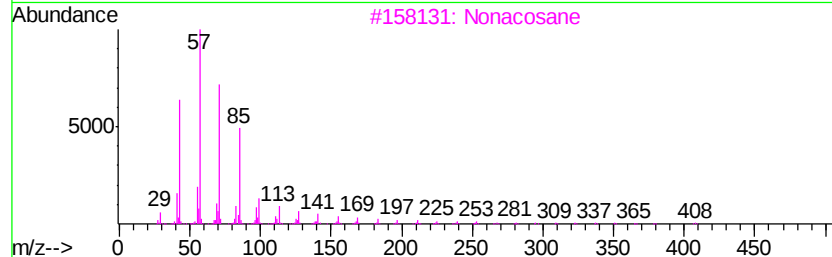
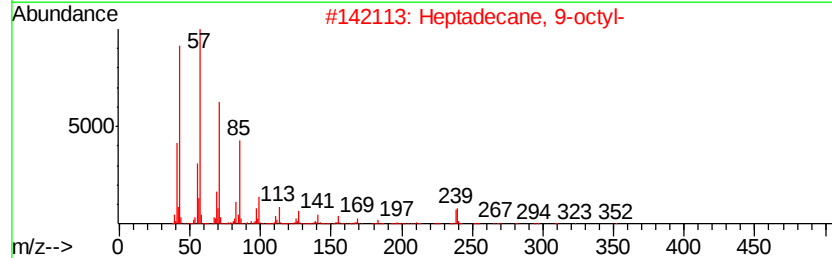
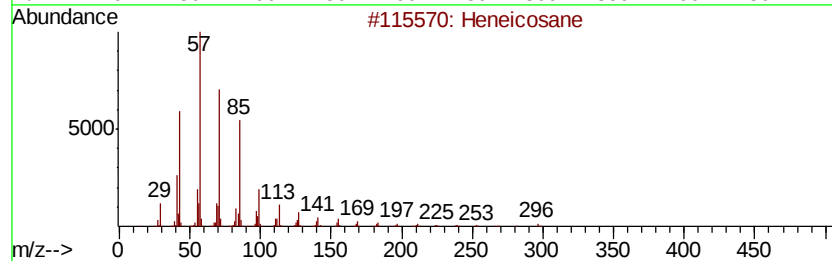
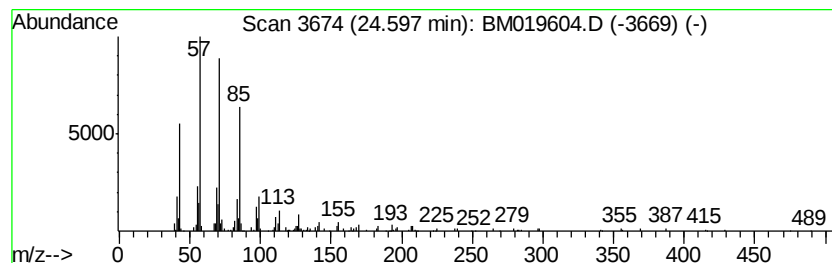
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.60 | 2.39 ng/ul | 379823 | Perylene-d12     | 23.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    | Heptadecane, 9-octyl-               | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Nonacosane                          | 408 | C29H60  | 000630-03-5 | 91   |
| 4    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 5    |    | Pentadecane, 8-heptyl-              | 310 | C22H46  | 071005-15-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM032919\  
Data File : BM019604.D  
Acq On : 30 Mar 2019 05:55  
Operator : JU/SJ  
Sample : K2122-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BF5B0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01           | 19.77 | 3.8     | ng/ul | 514197   | 5                     | 21.20 | 2680580 | 20.0 |
| (DEL) Alkane: Str... | 22.70 | 2.2     | ng/ul | 345059   | 6                     | 23.40 | 3184060 | 20.0 |
| (DEL) Alkane: Str... | 23.87 | 2.6     | ng/ul | 420276   | 6                     | 23.40 | 3184060 | 20.0 |
| (DEL) Alkane: Str... | 24.60 | 2.4     | ng/ul | 379823   | 6                     | 23.40 | 3184060 | 20.0 |