

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101717\  
 Data File : BM012259.D  
 Acq On : 17 Oct 2017 21:35  
 Operator : SJ/JU  
 Sample : I5664-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B53

## 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.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      | 6.957    | 652        | 658      | 678       | rBV2  | 810997      | 1647903    | 25.48%       | 2.686%     |
| 2      | 7.116    | 678        | 685      | 698       | rBV   | 644095      | 1089483    | 16.85%       | 1.776%     |
| 3      | 7.316    | 713        | 719      | 733       | rBV   | 855662      | 1479295    | 22.87%       | 2.411%     |
| 4      | 7.786    | 793        | 799      | 814       | rBV   | 494604      | 881562     | 13.63%       | 1.437%     |
| 5      | 8.504    | 914        | 921      | 937       | rBV   | 1021055     | 1939813    | 29.99%       | 3.162%     |
| 6      | 8.957    | 991        | 998      | 1014      | rBV   | 797114      | 1427760    | 22.08%       | 2.327%     |
| 7      | 9.680    | 1114       | 1121     | 1140      | rBV   | 736848      | 1381315    | 21.36%       | 2.251%     |
| 8      | 10.222   | 1206       | 1213     | 1235      | rBV   | 1115413     | 2118155    | 32.75%       | 3.452%     |
| 9      | 10.586   | 1268       | 1275     | 1290      | rVB   | 846505      | 1423109    | 22.00%       | 2.320%     |
| 10     | 10.733   | 1294       | 1300     | 1322      | rBV   | 871990      | 1815876    | 28.08%       | 2.960%     |
| 11     | 11.922   | 1495       | 1502     | 1510      | rBV   | 33946       | 66092      | 1.02%        | 0.108%     |
| 12     | 13.851   | 1823       | 1830     | 1834      | rBV   | 2158244     | 3012642    | 46.58%       | 4.910%     |
| 13     | 13.898   | 1834       | 1838     | 1847      | rVB   | 835274      | 1210877    | 18.72%       | 1.974%     |
| 14     | 14.133   | 1872       | 1878     | 1894      | rVB   | 2314877     | 3452788    | 53.39%       | 5.628%     |
| 15     | 14.310   | 1899       | 1908     | 1916      | rBV3  | 35844       | 93262      | 1.44%        | 0.152%     |
| 16     | 14.439   | 1924       | 1930     | 1941      | rVB2  | 1124410     | 1785648    | 27.61%       | 2.910%     |
| 17     | 14.668   | 1961       | 1969     | 1991      | rBV   | 538210      | 1246079    | 19.27%       | 2.031%     |
| 18     | 15.439   | 2093       | 2100     | 2114      | rBV   | 2979705     | 4420866    | 68.36%       | 7.206%     |
| 19     | 15.580   | 2118       | 2124     | 2135      | rBV   | 746117      | 1258368    | 19.46%       | 2.051%     |
| 20     | 15.804   | 2156       | 2162     | 2169      | rBV   | 155997      | 220418     | 3.41%        | 0.359%     |
| 21     | 17.192   | 2391       | 2398     | 2405      | rBV2  | 1917835     | 2740062    | 42.37%       | 4.466%     |
| 22     | 17.292   | 2408       | 2415     | 2425      | rBV   | 4081367     | 5916191    | 91.48%       | 9.643%     |
| 23     | 18.068   | 2542       | 2547     | 2557      | rBV   | 793061      | 1131191    | 17.49%       | 1.844%     |
| 24     | 19.227   | 2737       | 2744     | 2752      | rBV   | 62751       | 130757     | 2.02%        | 0.213%     |
| 25     | 19.350   | 2760       | 2765     | 2776      | rBV   | 286401      | 498098     | 7.70%        | 0.812%     |
| 26     | 19.586   | 2799       | 2805     | 2815      | rBV   | 4679020     | 6467404    | 100.00%      | 10.541%    |
| 27     | 21.056   | 3051       | 3055     | 3063      | rBV   | 612629      | 772071     | 11.94%       | 1.258%     |
| 28     | 21.374   | 3104       | 3109     | 3117      | rBV   | 2208050     | 3043129    | 47.05%       | 4.960%     |
| 29     | 22.409   | 3282       | 3285     | 3293      | rVB2  | 331792      | 454773     | 7.03%        | 0.741%     |
| 30     | 23.527   | 3468       | 3475     | 3486      | rVB2  | 2935370     | 5756212    | 89.00%       | 9.382%     |
| 31     | 23.674   | 3494       | 3500     | 3508      | rVB   | 1197342     | 2472249    | 38.23%       | 4.030%     |

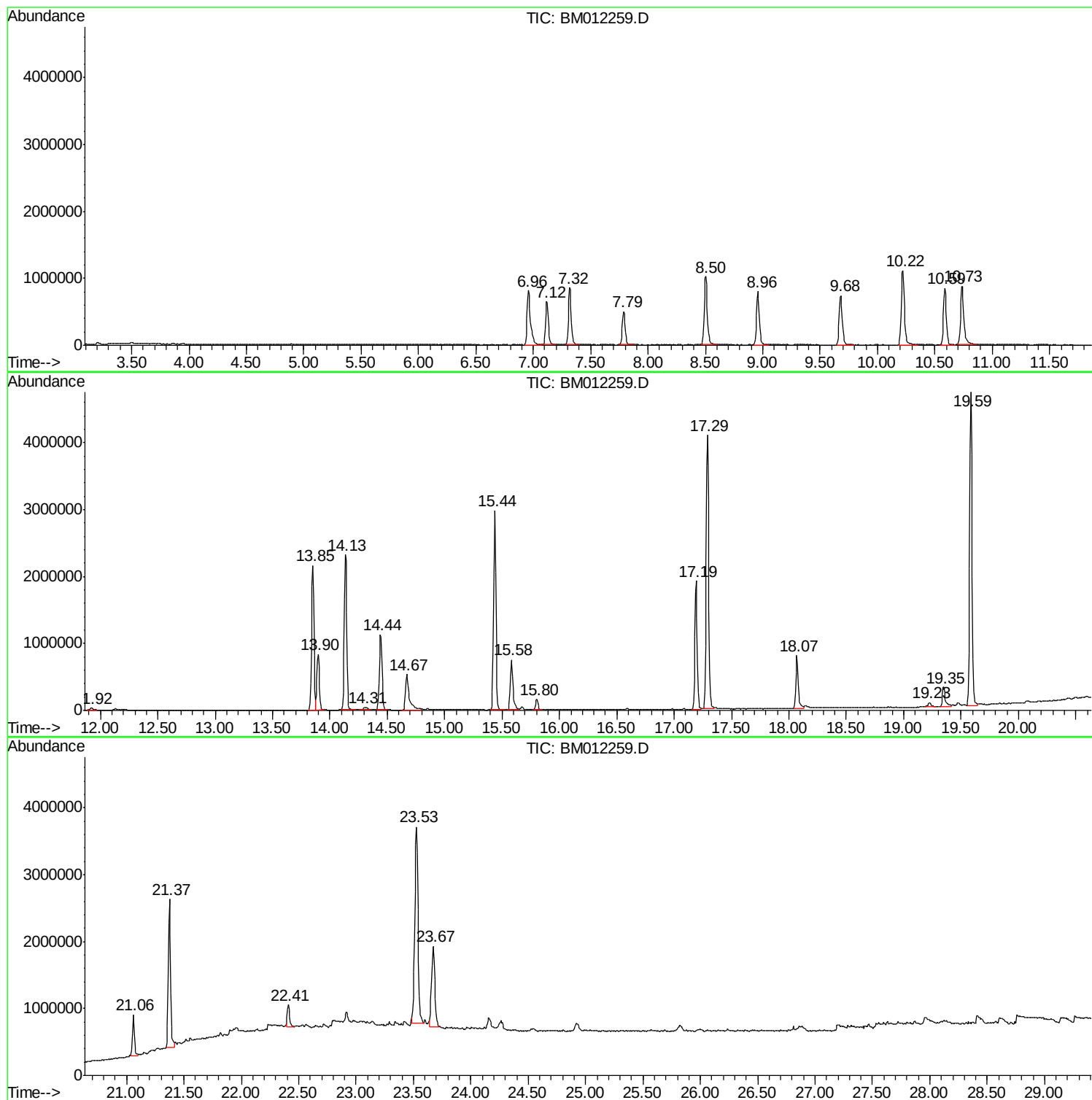
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION

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



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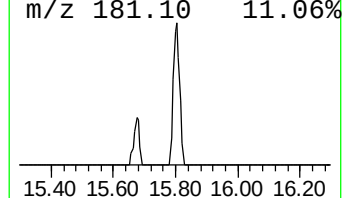
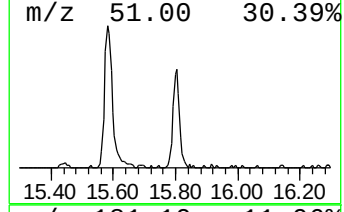
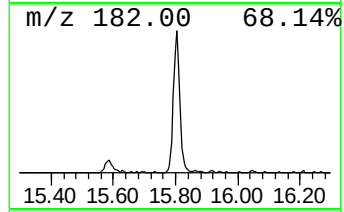
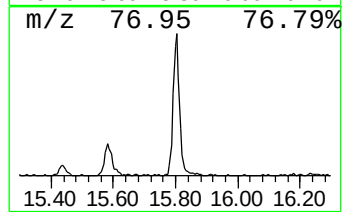
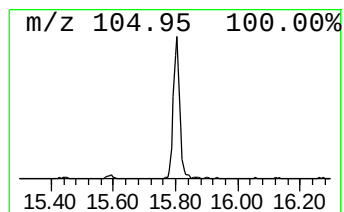
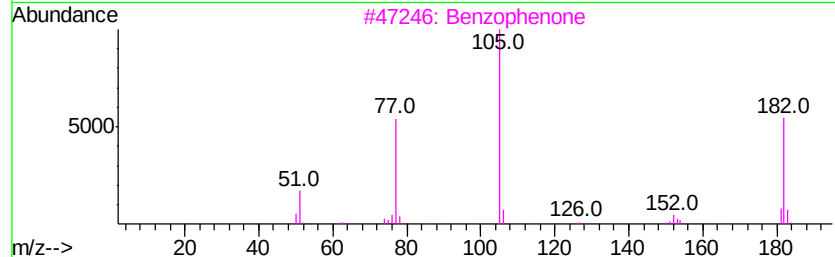
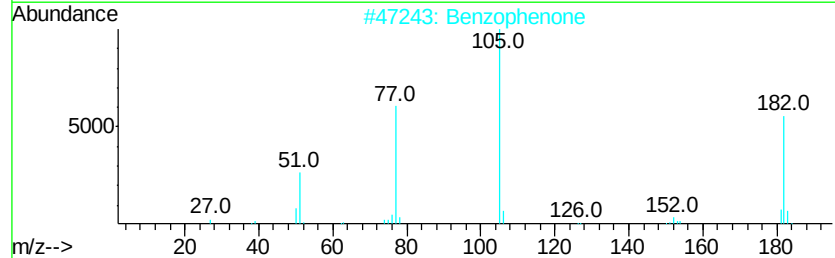
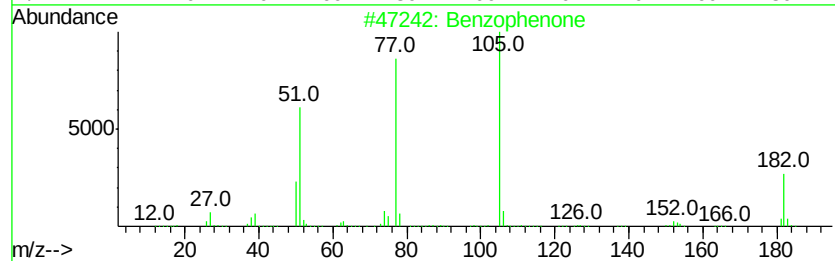
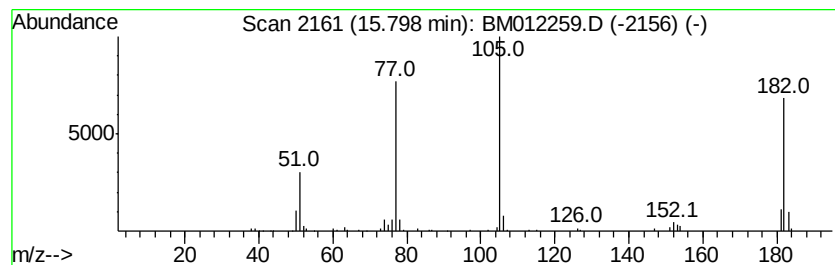
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzophenone Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.80 | 2.47 ng/ul | 220418 | Acenaphthene-d10 | 14.44 |

| Hit# of | 5            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------|--------------|-----|---------|-------------|------|
| 1       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 97   |
| 2       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 96   |
| 3       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 95   |
| 4       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 94   |
| 5       | Benzophenone |              | 182 | C13H10O | 000119-61-9 | 87   |



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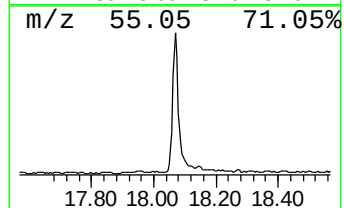
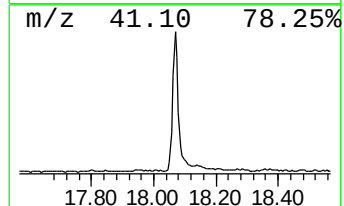
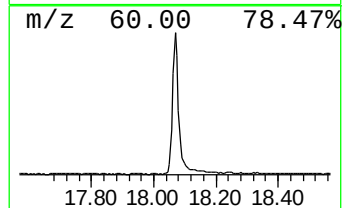
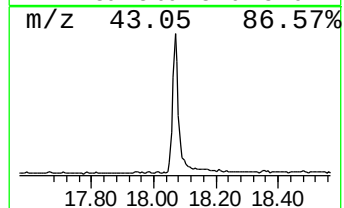
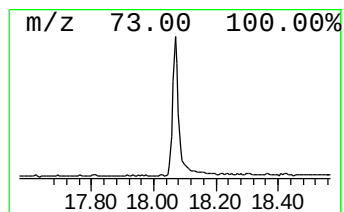
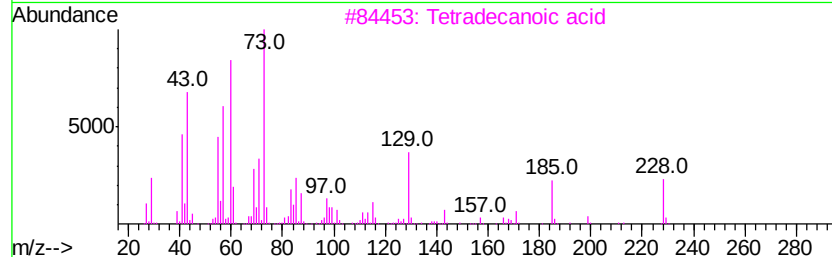
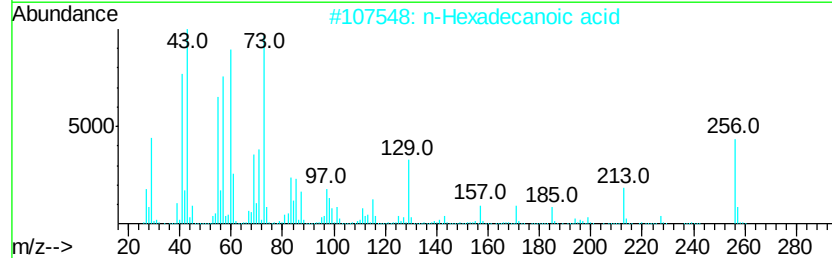
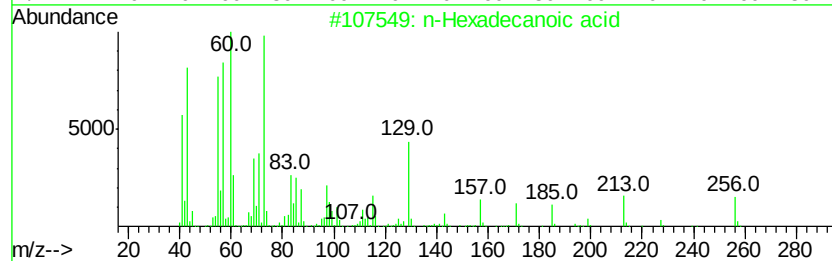
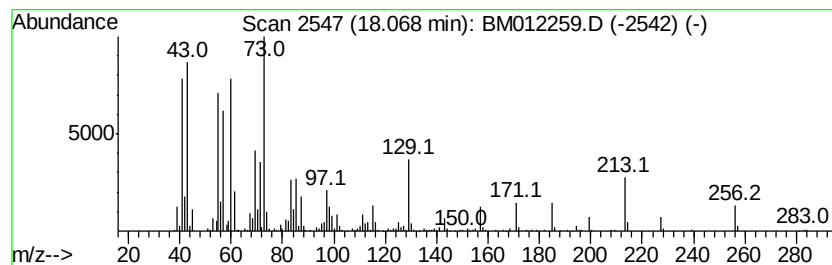
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 18.07   | 8.26 ng/ul          | 1131190      | Phenanthrene-d10 | 17.19     |
| 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       | Tetradecanoic acid  | 228 C14H28O2 | 000544-63-8      | 94        |
| 4       | Pentadecanoic acid  | 242 C15H30O2 | 001002-84-2      | 91        |
| 5       | Tridecanoic acid    | 214 C13H26O2 | 000638-53-9      | 90        |



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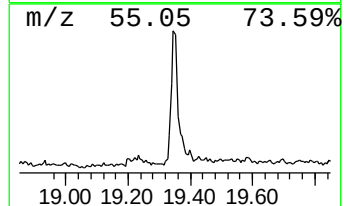
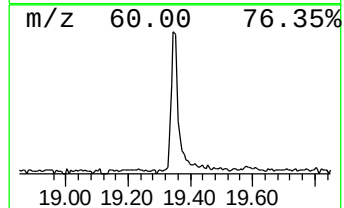
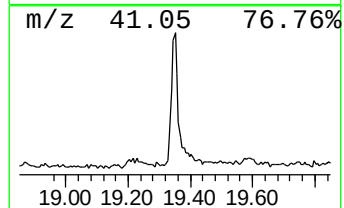
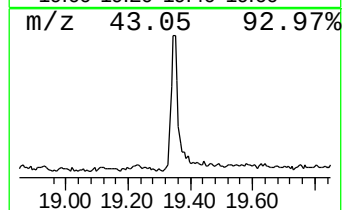
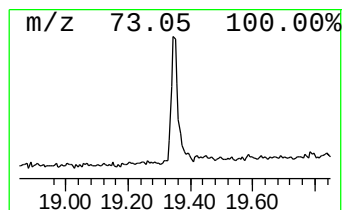
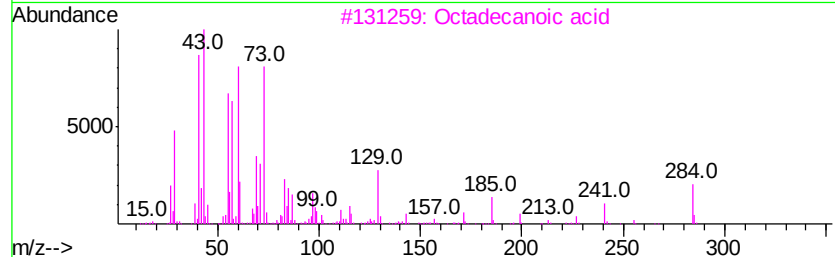
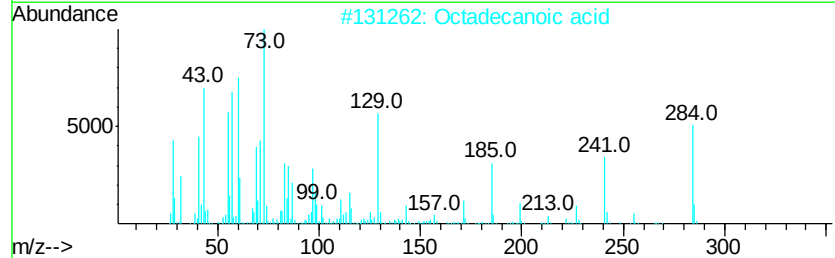
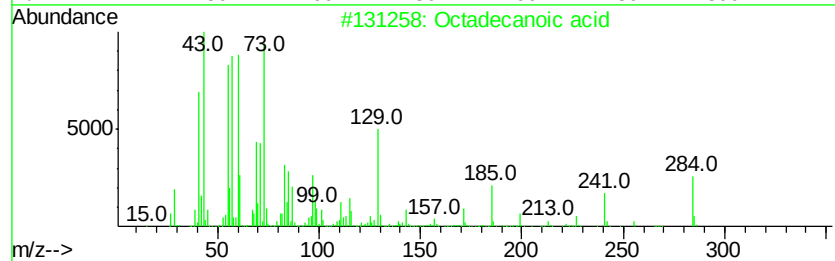
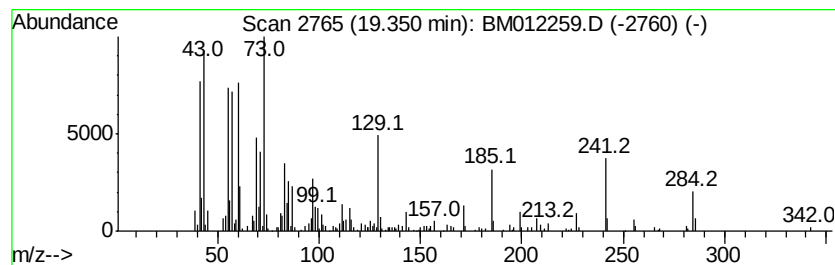
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.35 | 3.27 ng/ul | 498098 | Chrysene-d12     | 21.37 |

| Hit# | of | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 3    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 4    |    | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 5    |    | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 86   |



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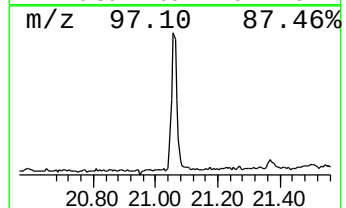
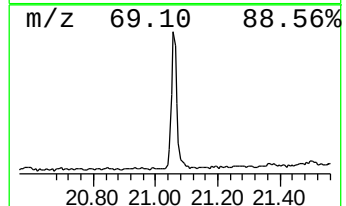
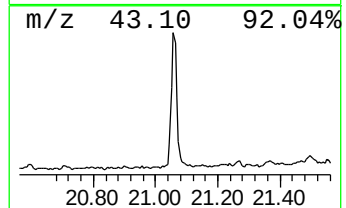
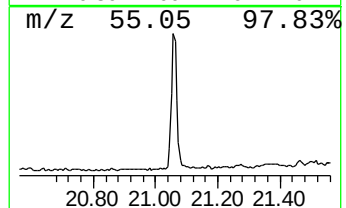
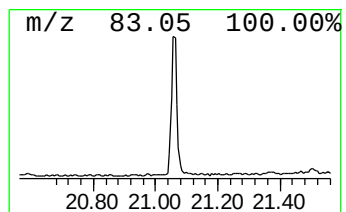
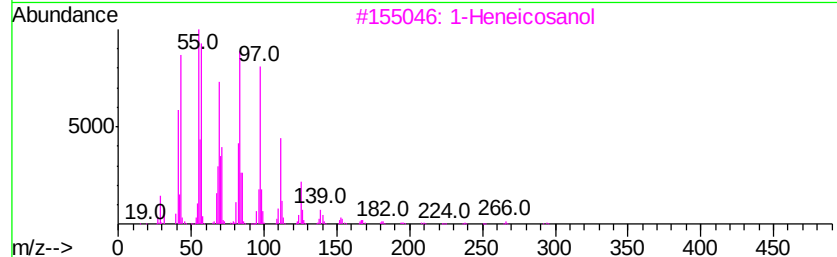
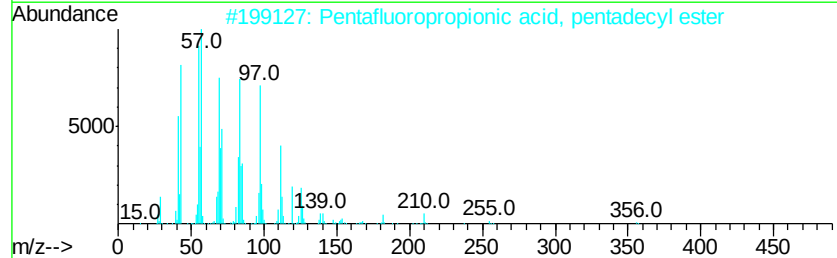
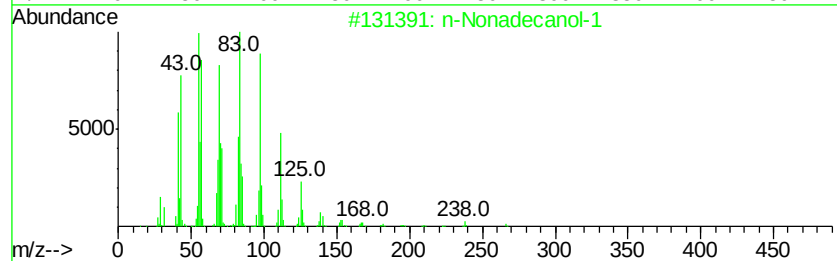
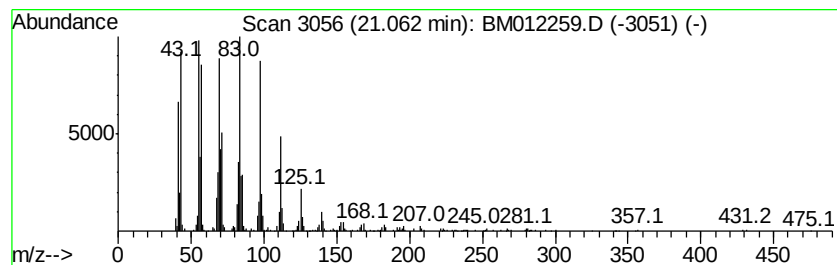
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Peak Number 4 n-Nonadecanol-1 Concentration Rank 2

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 21.06   | 5.07 ng/ul                          | 772071         | Chrysene-d12     | 21.37     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | n-Nonadecanol-1                     | 284 C19H40O    | 001454-84-8      | 94        |
| 2       | Pentafluoropropionic acid, penta... | 374 C18H31F5O2 | 959092-08-1      | 94        |
| 3       | 1-Heneicosanol                      | 312 C21H44O    | 015594-90-8      | 94        |
| 4       | n-Nonadecanol-1                     | 284 C19H40O    | 001454-84-8      | 94        |
| 5       | Heptafluorobutyric acid, pentade... | 424 C19H31F7O2 | 959261-23-5      | 94        |



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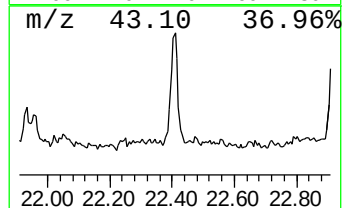
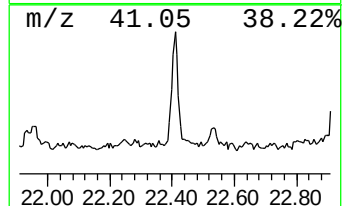
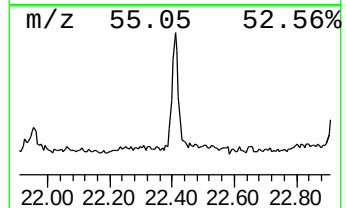
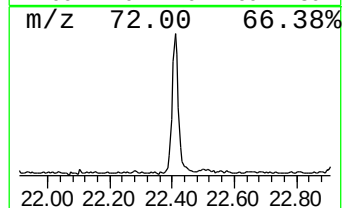
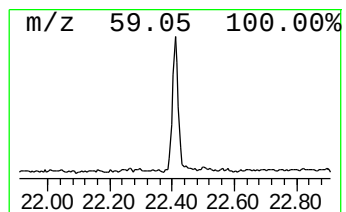
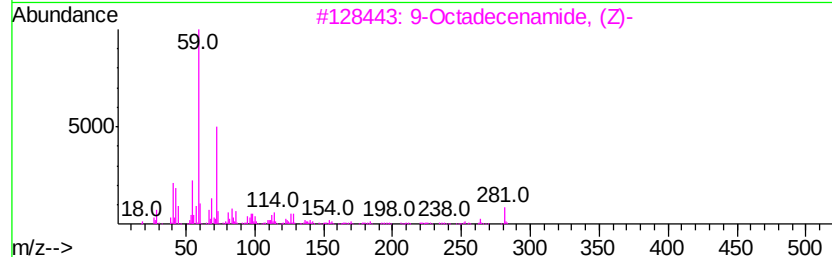
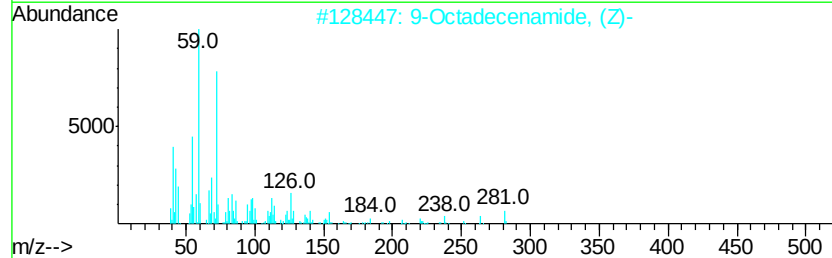
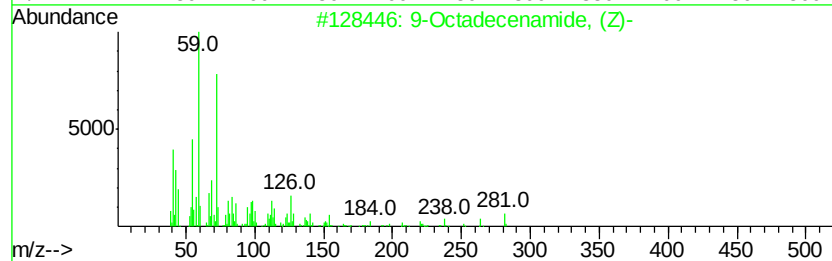
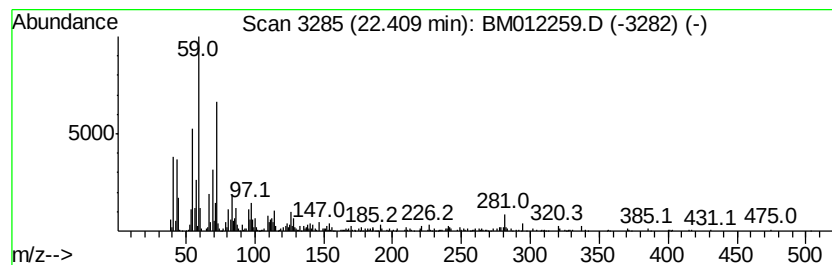
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.41 | 2.99 ng/ul | 454773 | Chrysene-d12     | 21.37 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 94   |
| 2    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 94   |
| 3    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 93   |
| 4    |    | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 74   |
| 5    |    | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 70   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM101717\  
Data File : BM012259.D  
Acq On : 17 Oct 2017 21:35  
Operator : SJ/JU  
Sample : I5664-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B53

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.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 |
| Benzophenone         | 15.80 | 2.5     | ng/ul | 220418   | 3                     | 14.44 | 1785650 | 20.0 |
| n-Hexadecanoic acid  | 18.07 | 8.3     | ng/ul | 1131190  | 4                     | 17.19 | 2740060 | 20.0 |
| Octadecanoic acid    | 19.35 | 3.3     | ng/ul | 498098   | 5                     | 21.37 | 3043130 | 20.0 |
| n-Nonadecanol-1      | 21.06 | 5.1     | ng/ul | 772071   | 5                     | 21.37 | 3043130 | 20.0 |
| 9-Octadecenamide,... | 22.41 | 3.0     | ng/ul | 454773   | 5                     | 21.37 | 3043130 | 20.0 |