

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011518\  
 Data File : BM013611.D  
 Acq On : 16 Jan 2018 06:39  
 Operator : SJ/JU  
 Sample : J1080-10  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAJN0

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-BM011018.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         | 3.169       | 28            | 31          | 34           | rBV2     | 44288          | 44272         | 1.17%           | 0.106%        |
| 2         | 6.798       | 642           | 648         | 660          | rVB2     | 689087         | 1239161       | 32.73%          | 2.958%        |
| 3         | 6.963       | 670           | 676         | 683          | rBV      | 515032         | 787097        | 20.79%          | 1.879%        |
| 4         | 7.151       | 702           | 708         | 718          | rVB      | 709973         | 1130156       | 29.85%          | 2.698%        |
| 5         | 7.616       | 782           | 787         | 795          | rVB      | 638065         | 1008112       | 26.63%          | 2.406%        |
| 6         | 8.328       | 902           | 908         | 918          | rBV      | 830372         | 1354800       | 35.78%          | 3.234%        |
| 7         | 8.775       | 977           | 984         | 993          | rBV      | 670812         | 1114827       | 29.45%          | 2.661%        |
| 8         | 9.486       | 1099          | 1105        | 1119         | rVB      | 543804         | 951716        | 25.14%          | 2.272%        |
| 9         | 10.022      | 1190          | 1196        | 1211         | rBV      | 776913         | 1385204       | 36.59%          | 3.306%        |
| 10        | 10.392      | 1252          | 1259        | 1267         | rBV      | 788802         | 1328766       | 35.10%          | 3.172%        |
| 11        | 10.539      | 1276          | 1284        | 1296         | rBV      | 618505         | 1123384       | 29.67%          | 2.681%        |
| 12        | 13.086      | 1713          | 1717        | 1723         | rBV4     | 25230          | 38957         | 1.03%           | 0.093%        |
| 13        | 13.686      | 1812          | 1819        | 1824         | rBV      | 1395030        | 1964973       | 51.90%          | 4.690%        |
| 14        | 13.733      | 1824          | 1827        | 1834         | rVB      | 191439         | 276567        | 7.30%           | 0.660%        |
| 15        | 13.957      | 1856          | 1865        | 1876         | rBV      | 1654767        | 2430693       | 64.20%          | 5.802%        |
| 16        | 14.174      | 1897          | 1902        | 1906         | rBV2     | 89840          | 106107        | 2.80%           | 0.253%        |
| 17        | 14.268      | 1910          | 1918        | 1927         | rVV2     | 1105505        | 1694264       | 44.75%          | 4.044%        |
| 18        | 14.492      | 1950          | 1956        | 1967         | rBV      | 484511         | 890723        | 23.53%          | 2.126%        |
| 19        | 15.133      | 2061          | 2065        | 2070         | rVB      | 102353         | 133268        | 3.52%           | 0.318%        |
| 20        | 15.268      | 2081          | 2088        | 2096         | rBV      | 2003799        | 2816837       | 74.40%          | 6.723%        |
| 21        | 15.404      | 2105          | 2111        | 2121         | rBV      | 530844         | 795930        | 21.02%          | 1.900%        |
| 22        | 15.509      | 2125          | 2129        | 2132         | rVV5     | 28910          | 45106         | 1.19%           | 0.108%        |
| 23        | 15.998      | 2207          | 2212        | 2219         | rBV2     | 87318          | 145530        | 3.84%           | 0.347%        |
| 24        | 16.680      | 2323          | 2328        | 2336         | rBV4     | 79074          | 139280        | 3.68%           | 0.332%        |
| 25        | 16.792      | 2343          | 2347        | 2350         | rBV      | 54995          | 66309         | 1.75%           | 0.158%        |
| 26        | 17.021      | 2379          | 2386        | 2393         | rVV2     | 1400067        | 1997907       | 52.77%          | 4.769%        |
| 27        | 17.121      | 2396          | 2403        | 2414         | rVB      | 2090034        | 3012307       | 79.56%          | 7.190%        |
| 28        | 17.927      | 2534          | 2540        | 2548         | rBV2     | 256289         | 392583        | 10.37%          | 0.937%        |
| 29        | 19.062      | 2729          | 2733        | 2736         | rBV4     | 54280          | 87459         | 2.31%           | 0.209%        |
| 30        | 19.215      | 2754          | 2759        | 2768         | rBV      | 224519         | 350235        | 9.25%           | 0.836%        |
| 31        | 19.421      | 2788          | 2794        | 2800         | rBV      | 2586734        | 3453068       | 91.20%          | 8.242%        |
| 32        | 19.750      | 2846          | 2850        | 2854         | rBV7     | 32128          | 40778         | 1.08%           | 0.097%        |
| 33        | 19.868      | 2867          | 2870        | 2876         | rVB3     | 38379          | 45601         | 1.20%           | 0.109%        |
| 34        | 20.362      | 2949          | 2954        | 2959         | rBV      | 182351         | 246579        | 6.51%           | 0.589%        |

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Sample : J1080-10  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAJN0

## 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-BM011018.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 20.939 | 3048 | 3052 | 3057 | rVB2 | 235893  | 313497  | 8.28%   | 0.748% |
| 36 | 21.215 | 3094 | 3099 | 3107 | rBV  | 1988309 | 2461805 | 65.02%  | 5.876% |
| 37 | 22.750 | 3357 | 3360 | 3364 | rBV5 | 109822  | 139777  | 3.69%   | 0.334% |
| 38 | 23.280 | 3443 | 3450 | 3460 | rVB2 | 1916852 | 3786059 | 100.00% | 9.037% |
| 39 | 23.415 | 3467 | 3473 | 3483 | rVB  | 1230891 | 2313235 | 61.10%  | 5.521% |
| 40 | 24.662 | 3680 | 3685 | 3690 | rVB5 | 123070  | 243429  | 6.43%   | 0.581% |

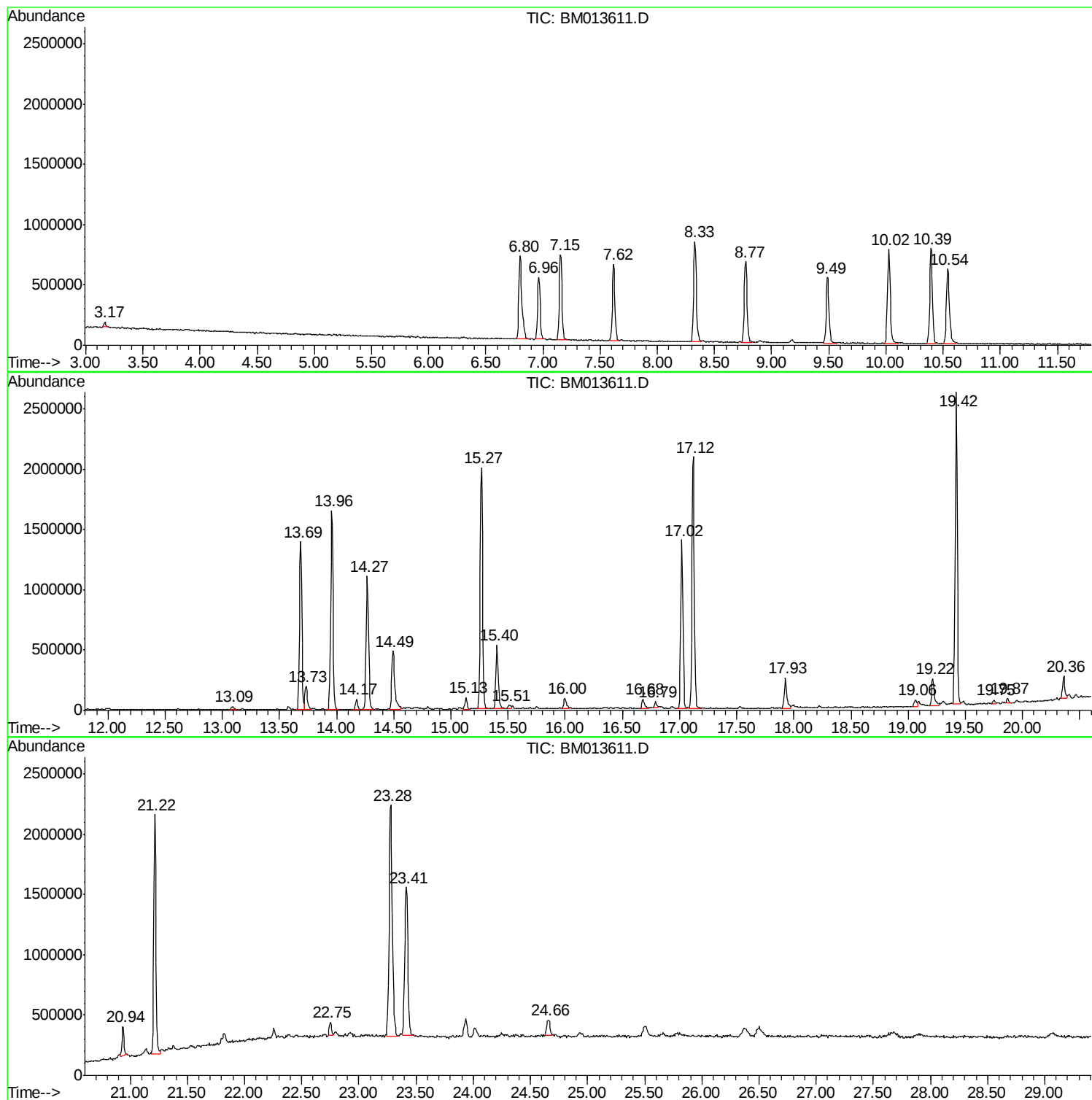
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Sample : J1080-10  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

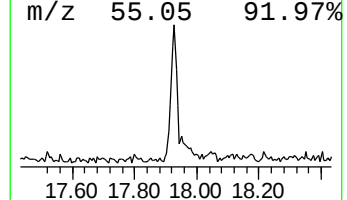
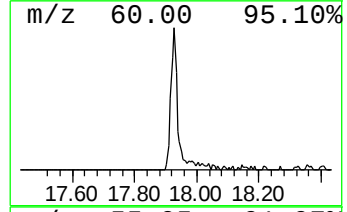
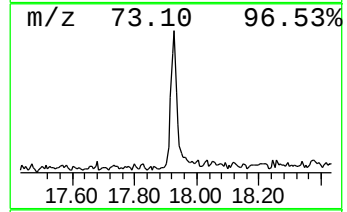
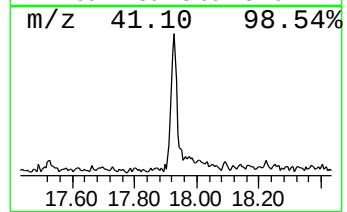
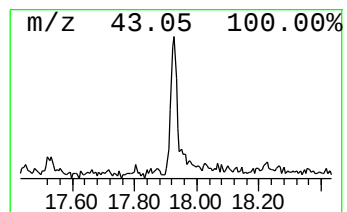
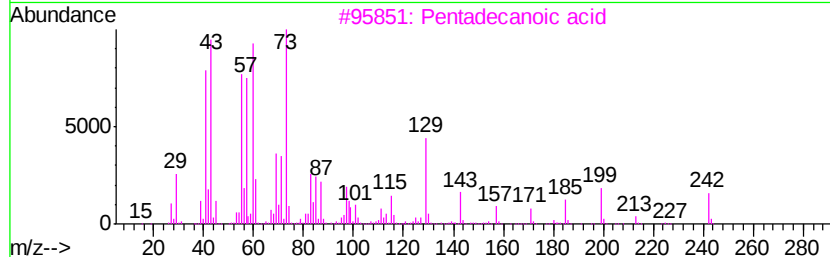
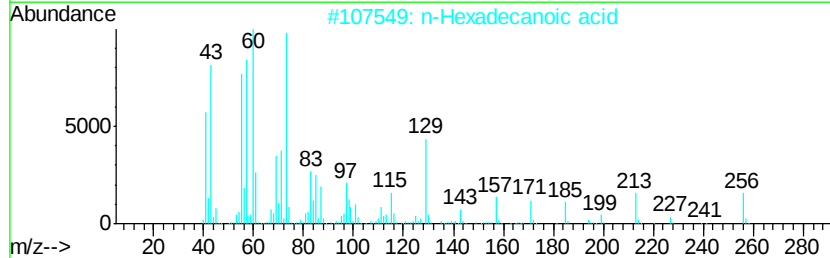
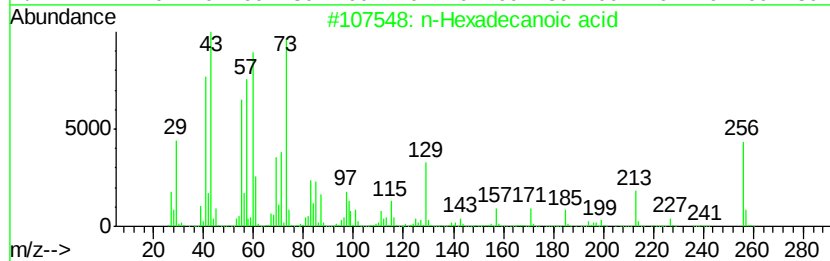
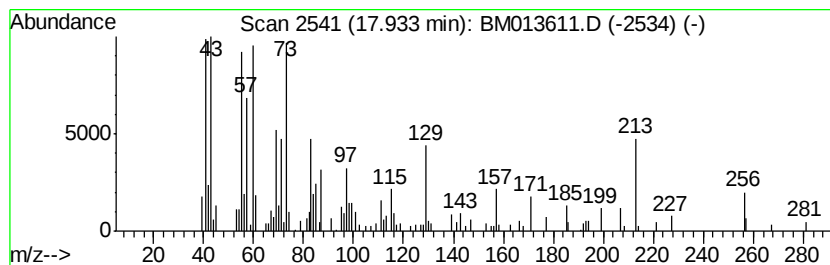
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 17.93   | 3.93 ng/ul          | 392583       | Phenanthrene-d10 | 17.02       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 3       | Pentadecanoic acid  | 242          | C15H30O2         | 001002-84-2 | 83   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 76   |      |
| 5       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 74   |      |



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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

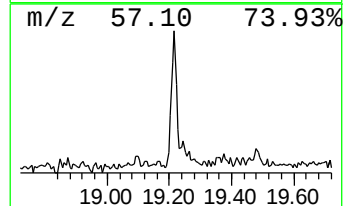
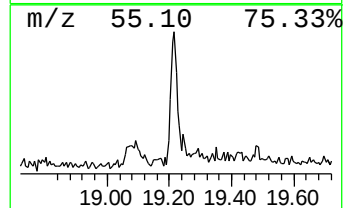
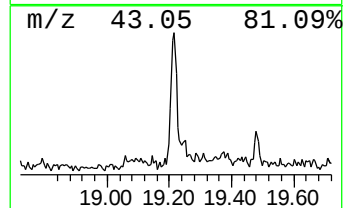
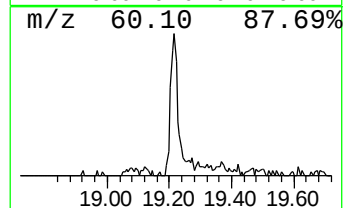
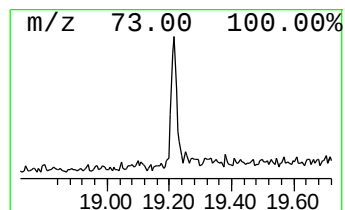
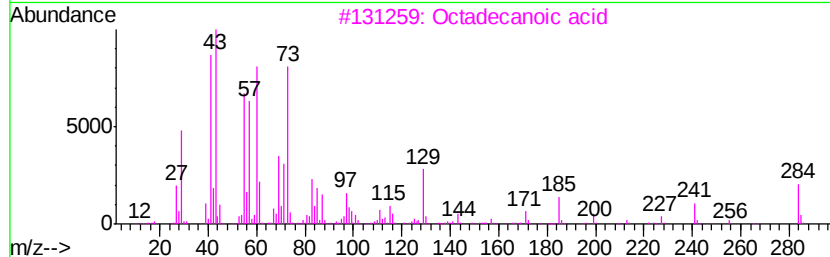
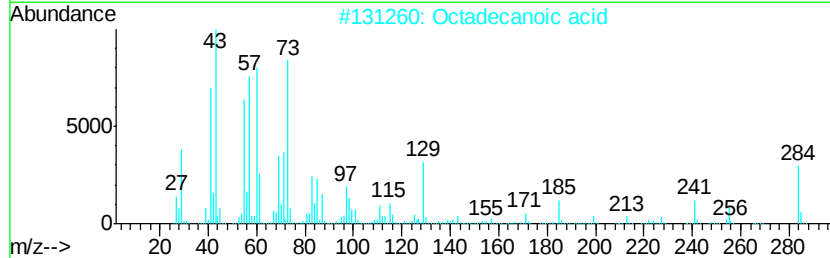
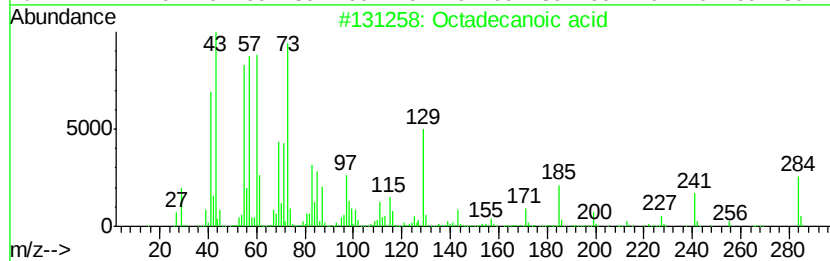
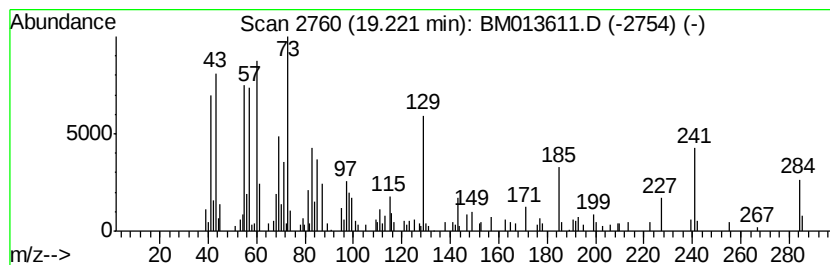
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.22 | 2.85 ng/ul | 350235 | Chrysene-d12     | 21.22 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 93   |
| 3    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 91   |
| 4    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 90   |
| 5    |    |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 86   |



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Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

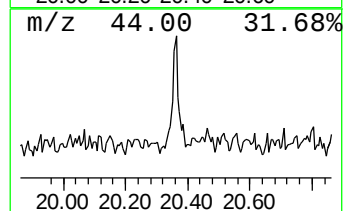
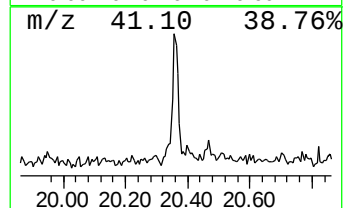
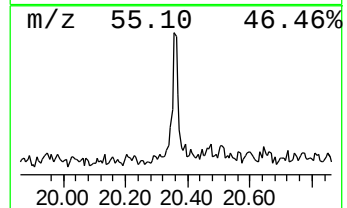
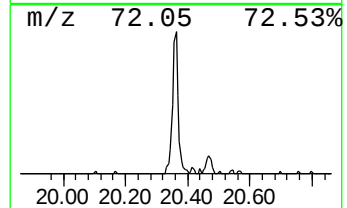
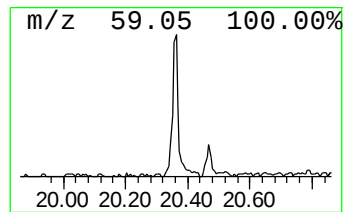
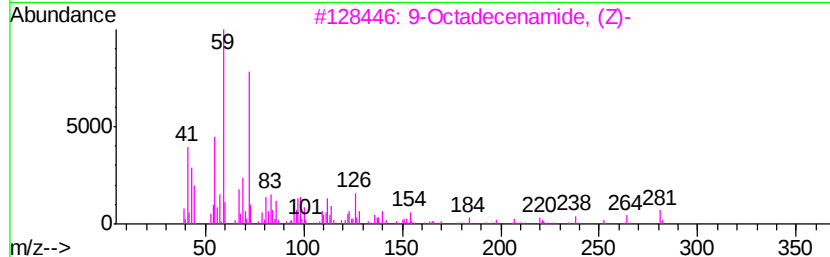
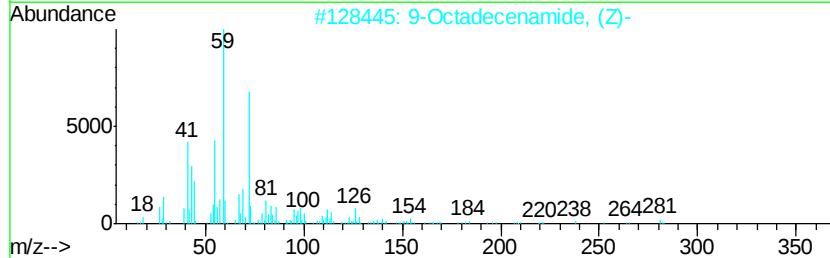
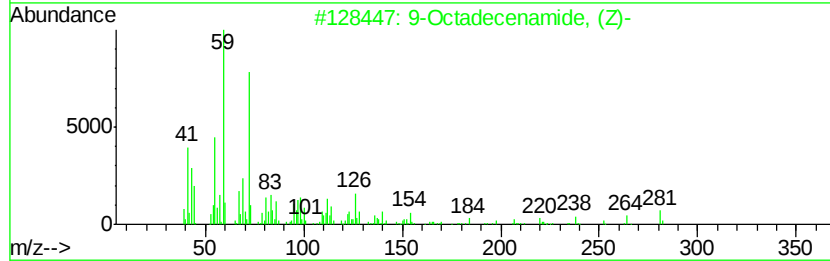
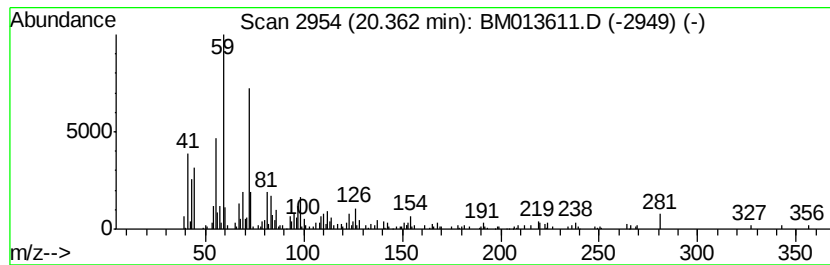
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 9-Octadecenamide, (Z)- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.36 | 2.00 ng/ul | 246579 | Chrysene-d12     | 21.22 |

| Hit# | of                     | 5 | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|------|------------------------|---|--------------|-----|----------|-------------|------|
| 1    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 95   |
| 2    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 95   |
| 3    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 95   |
| 4    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 91   |
| 5    | 9-Octadecenamide, (Z)- |   |              | 281 | C18H35NO | 000301-02-0 | 83   |



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Quant Title : SVOA CALIBRATION

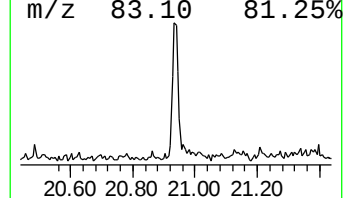
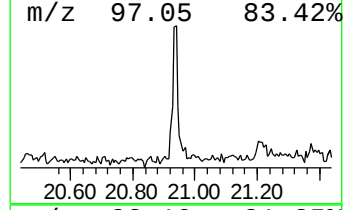
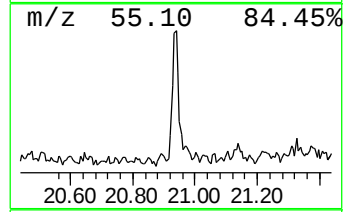
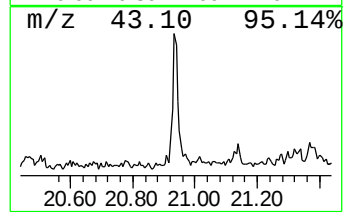
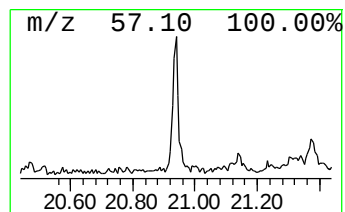
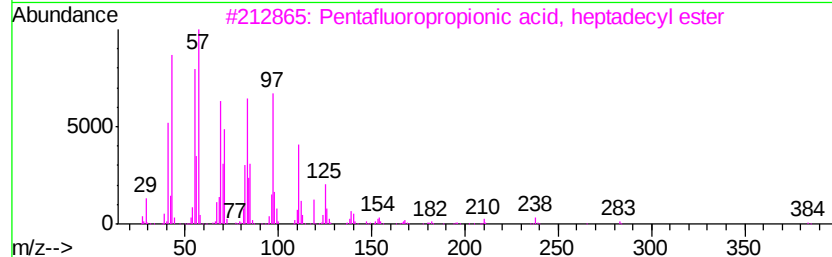
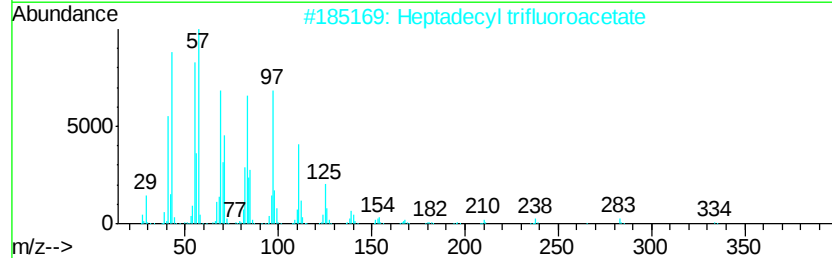
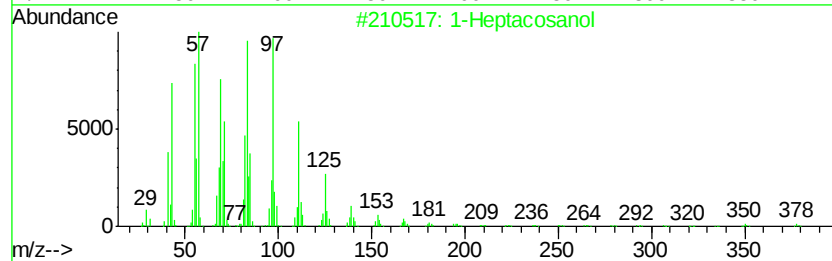
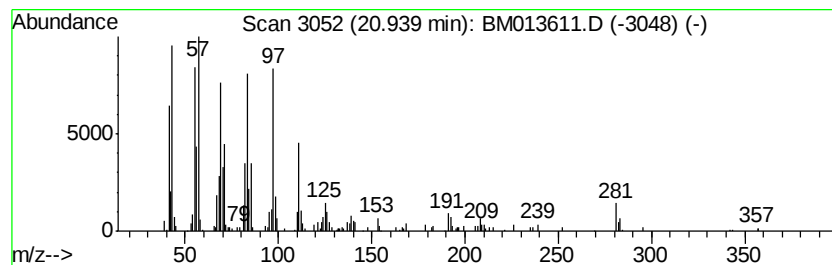
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Heptacosanol Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.94 | 2.55 ng/ul | 313497 | Chrysene-d12     | 21.22 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm     | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-------------|--------------|------|
| 1       | 1-Heptacosanol                      |              | 396 | C27H56O     | 002004-39-9  | 90   |
| 2       | Heptadecyl trifluoroacetate         |              | 352 | C19H35F3O2  | 1000351-87-0 | 89   |
| 3       | Pentafluoropropionic acid, hepta... |              | 402 | C20H35F5O2  | 959218-78-1  | 89   |
| 4       | Trichloroacetic acid, pentadecyl... |              | 372 | C17H31Cl3O2 | 074339-53-0  | 81   |
| 5       | Trichloroacetic acid, hexadecyl ... |              | 386 | C18H33Cl3O2 | 074339-54-1  | 81   |



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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAJN0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

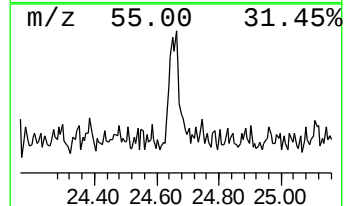
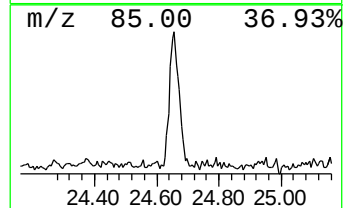
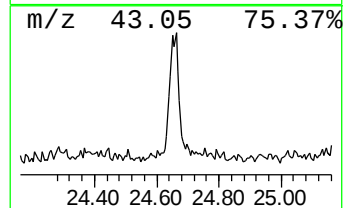
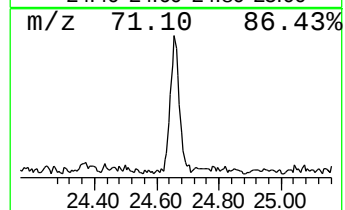
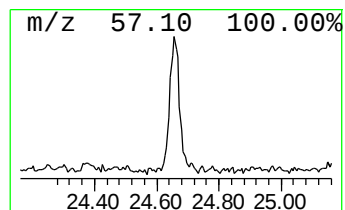
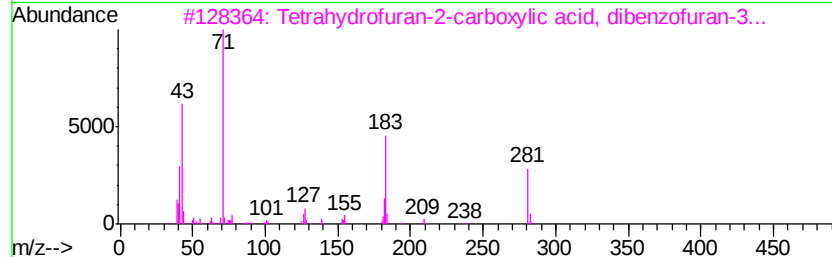
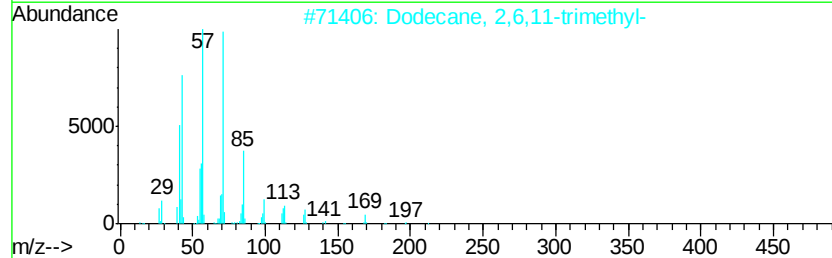
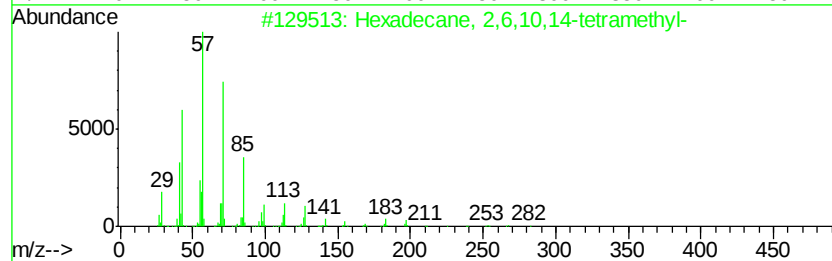
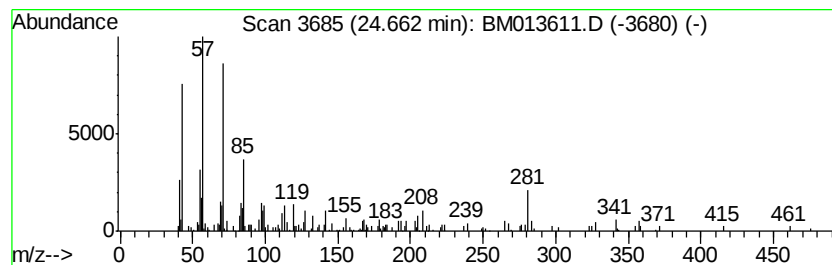
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.66 | 2.10 ng/ul | 243429 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42    | 000638-36-8  | 58   |
| 2    |    | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32    | 031295-56-4  | 52   |
| 3    |    | Tetrahydrofuran-2-carboxylic aci... | 281 | C17H15N03 | 1000316-12-2 | 50   |
| 4    |    | Hexadecane, 7-methyl-               | 240 | C17H36    | 026730-20-1  | 50   |
| 5    |    | Nonane, 2-methyl-5-propyl-          | 184 | C13H28    | 031081-17-1  | 50   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM011518\  
Data File : BM013611.D  
Acq On : 16 Jan 2018 06:39  
Operator : SJ/JU  
Sample : J1080-10  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DAJN0

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.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   | 17.93 | 3.9     | ng/ul | 392583   | 4                     | 17.02 | 1997910 | 20.0 |
| Octadecanoic acid     | 19.22 | 2.9     | ng/ul | 350235   | 5                     | 21.22 | 2461810 | 20.0 |
| 9-Octadecenamide, ... | 20.36 | 2.0     | ng/ul | 246579   | 5                     | 21.22 | 2461810 | 20.0 |
| 1-Heptacosanol        | 20.94 | 2.5     | ng/ul | 313497   | 5                     | 21.22 | 2461810 | 20.0 |
| (DEL) Alkane: Str...  | 24.66 | 2.1     | ng/ul | 243429   | 6                     | 23.41 | 2313240 | 20.0 |