

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012417\  
 Data File : BM008844.D  
 Acq On : 24 Jan 2017 18:39  
 Operator : UM/SJ  
 Sample : I1315-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDN17

## 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\SOM02.2-EPA-BM012317.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         | 7.081       | 758           | 764         | 776          | rBV2     | 344641         | 637913        | 20.33%          | 2.550%        |
| 2         | 7.263       | 789           | 795         | 801          | rBV      | 211484         | 327736        | 10.45%          | 1.310%        |
| 3         | 7.463       | 822           | 829         | 836          | rBV      | 336011         | 536977        | 17.12%          | 2.146%        |
| 4         | 7.934       | 902           | 909         | 916          | rBV2     | 364053         | 566838        | 18.07%          | 2.265%        |
| 5         | 8.628       | 1019          | 1027        | 1034         | rBV      | 365346         | 577884        | 18.42%          | 2.310%        |
| 6         | 9.098       | 1098          | 1107        | 1114         | rBV      | 349051         | 577044        | 18.39%          | 2.306%        |
| 7         | 9.816       | 1221          | 1229        | 1237         | rBV      | 289966         | 481426        | 15.34%          | 1.924%        |
| 8         | 10.351      | 1313          | 1320        | 1328         | rVB      | 402808         | 663511        | 21.15%          | 2.652%        |
| 9         | 10.739      | 1377          | 1386        | 1394         | rBV      | 421390         | 703494        | 22.42%          | 2.812%        |
| 10        | 10.875      | 1399          | 1409        | 1416         | rVV2     | 172009         | 295260        | 9.41%           | 1.180%        |
| 11        | 13.974      | 1930          | 1936        | 1940         | rBV      | 505156         | 663411        | 21.14%          | 2.651%        |
| 12        | 14.021      | 1940          | 1944        | 1950         | rVB      | 158135         | 218058        | 6.95%           | 0.871%        |
| 13        | 14.263      | 1978          | 1985        | 1993         | rBV      | 650466         | 949905        | 30.28%          | 3.796%        |
| 14        | 14.569      | 2031          | 2037        | 2044         | rVB      | 589121         | 874281        | 27.87%          | 3.494%        |
| 15        | 14.751      | 2061          | 2068        | 2077         | rBV      | 354597         | 483219        | 15.40%          | 1.931%        |
| 16        | 15.398      | 2175          | 2178        | 2183         | rVB2     | 34807          | 43356         | 1.38%           | 0.173%        |
| 17        | 15.563      | 2200          | 2206        | 2211         | rBV      | 858498         | 1218947       | 38.85%          | 4.872%        |
| 18        | 15.668      | 2219          | 2224        | 2234         | rVB2     | 193316         | 289691        | 9.23%           | 1.158%        |
| 19        | 15.798      | 2239          | 2246        | 2251         | rBV6     | 20990          | 36269         | 1.16%           | 0.145%        |
| 20        | 16.262      | 2321          | 2325        | 2328         | rBV2     | 49335          | 63796         | 2.03%           | 0.255%        |
| 21        | 17.057      | 2454          | 2460        | 2464         | rBV      | 47190          | 60399         | 1.93%           | 0.241%        |
| 22        | 17.315      | 2497          | 2504        | 2510         | rBV      | 792520         | 1101192       | 35.10%          | 4.401%        |
| 23        | 17.415      | 2514          | 2521        | 2528         | rVB      | 996899         | 1412785       | 45.03%          | 5.646%        |
| 24        | 17.792      | 2581          | 2585        | 2589         | rBV      | 48992          | 63482         | 2.02%           | 0.254%        |
| 25        | 18.186      | 2648          | 2652        | 2658         | rBV3     | 84702          | 117920        | 3.76%           | 0.471%        |
| 26        | 19.339      | 2840          | 2848        | 2853         | rBV8     | 19693          | 41099         | 1.31%           | 0.164%        |
| 27        | 19.462      | 2864          | 2869        | 2873         | rBV5     | 49915          | 71472         | 2.28%           | 0.286%        |
| 28        | 19.609      | 2887          | 2894        | 2902         | rBV      | 2815425        | 3137459       | 100.00%         | 12.539%       |
| 29        | 19.703      | 2904          | 2910        | 2917         | rVV      | 1187858        | 1671773       | 53.28%          | 6.681%        |
| 30        | 20.656      | 3066          | 3072        | 3076         | rBV      | 2455242        | 2679301       | 85.40%          | 10.708%       |
| 31        | 21.168      | 3155          | 3159        | 3166         | rBV6     | 129998         | 183339        | 5.84%           | 0.733%        |
| 32        | 21.480      | 3207          | 3212        | 3219         | rBV      | 1061345        | 1446337       | 46.10%          | 5.780%        |
| 33        | 23.691      | 3582          | 3588        | 3595         | rVB2     | 881590         | 1614184       | 51.45%          | 6.451%        |
| 34        | 23.844      | 3607          | 3614        | 3622         | rBV2     | 592162         | 1211296       | 38.61%          | 4.841%        |

## LSC Area Percent Report

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BDN17

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM012317.M  
Title : SVOA CALIBRATION

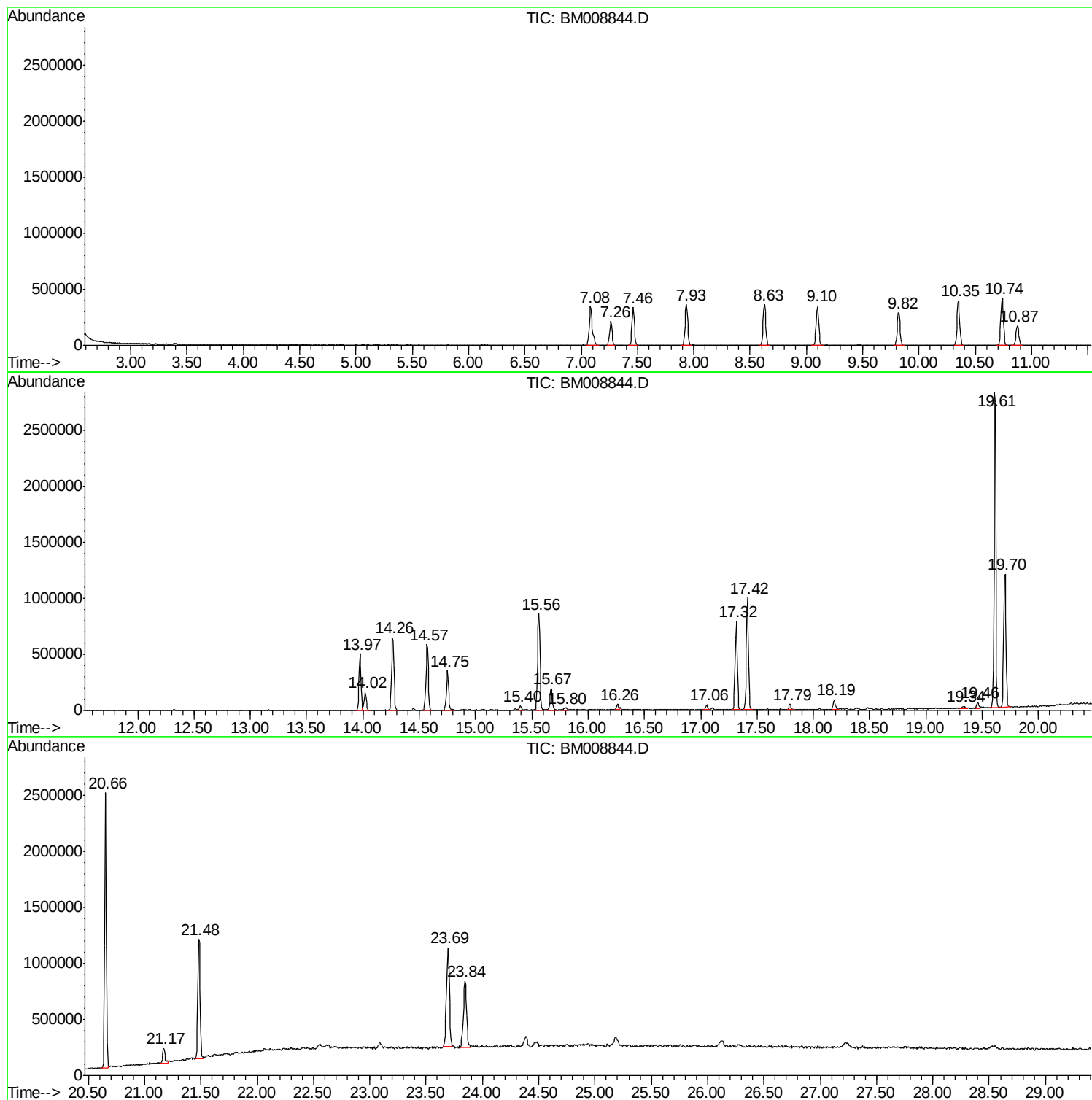
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
Quant Title : SVOA CALIBRATION

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



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Sample : I1315-09  
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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
Quant Title : SVOA CALIBRATION

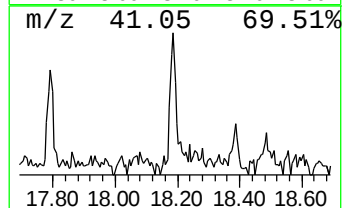
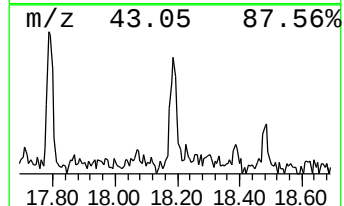
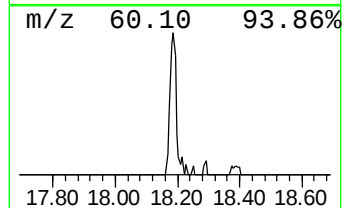
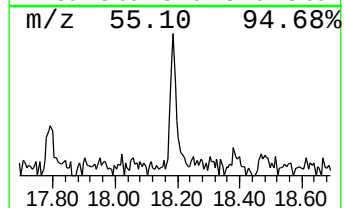
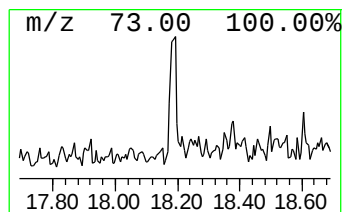
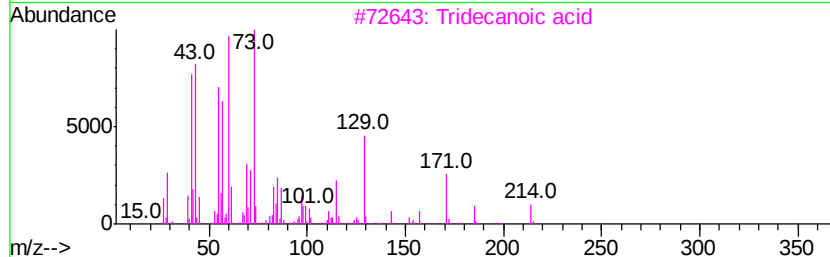
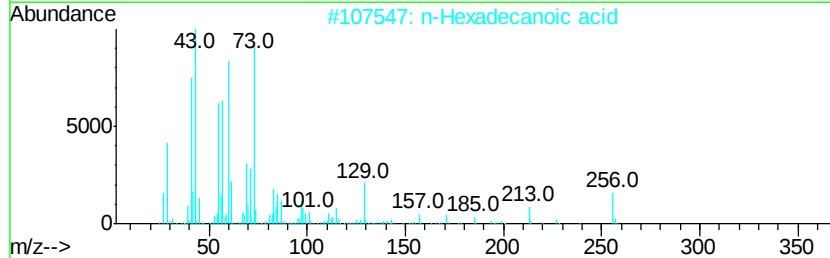
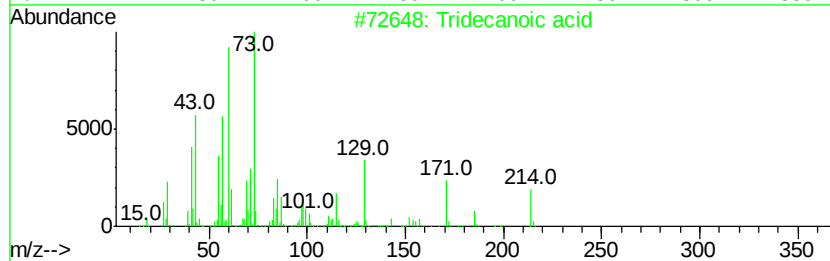
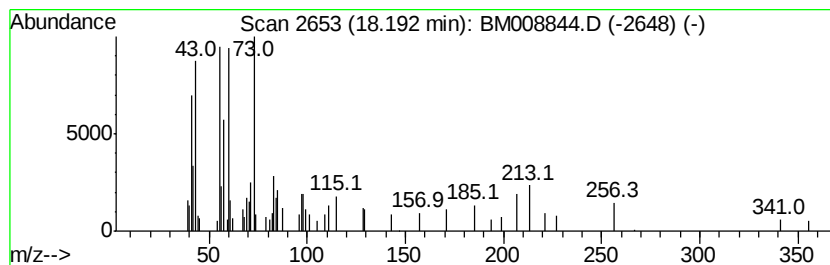
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.19 | 2.14 ng/ul | 117920 | Phenanthrene-d10 | 17.32 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 49   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 43   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 43   |
| 4    |    | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 43   |
| 5    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 43   |



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ClientSampleId :  
BDN17

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
Quant Title : SVOA CALIBRATION

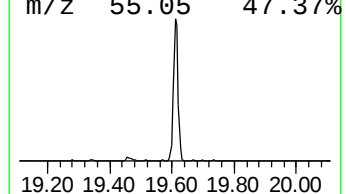
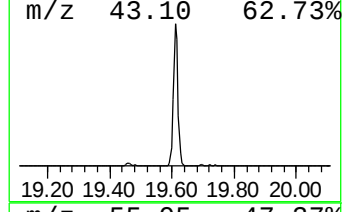
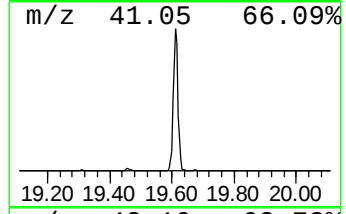
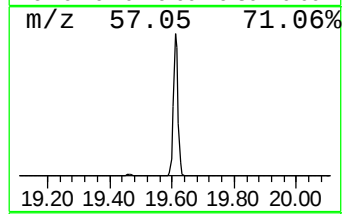
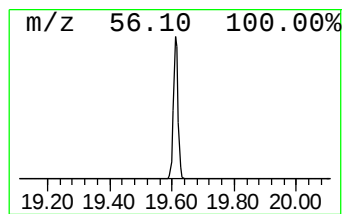
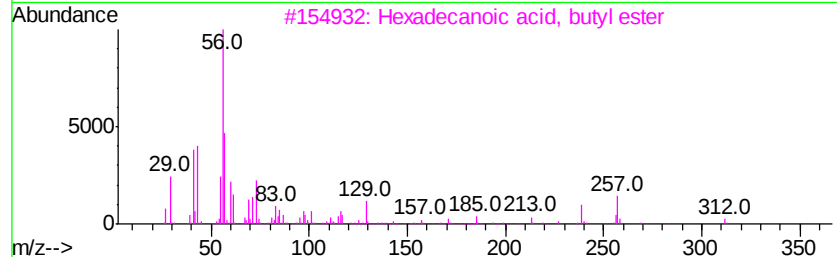
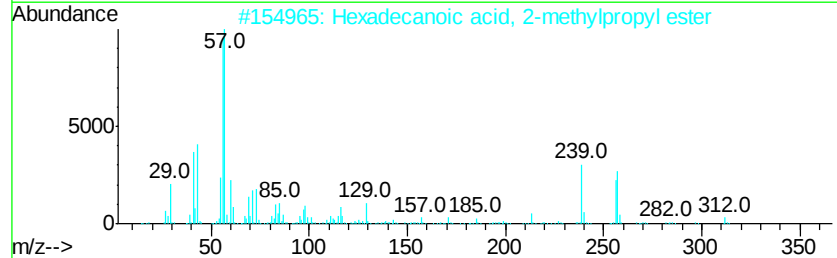
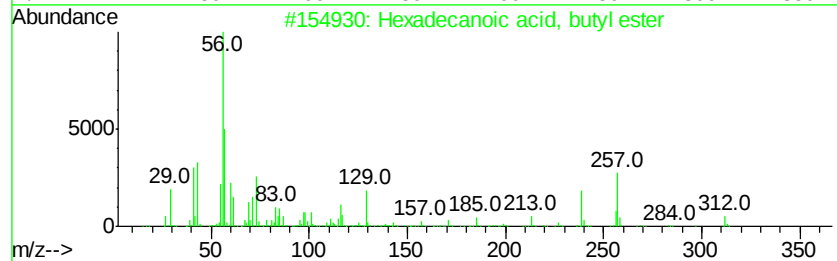
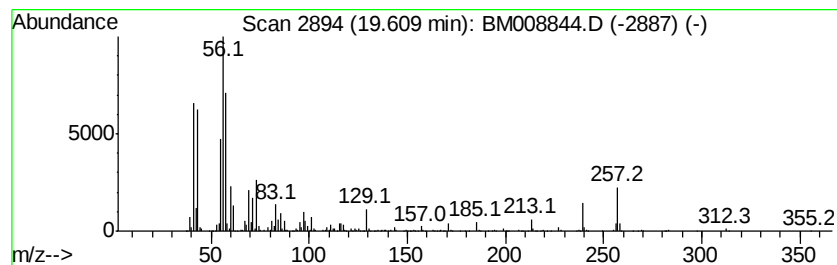
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexadecanoic acid, butyl ester Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.61 | 43.38 ng/ul | 3137460 | Chrysene-d12     | 21.48 |

| Hit# | of | Tentative ID                            | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester          | 312 | C20H40O2 | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, 2-methylpropyl ester | 312 | C20H40O2 | 000110-34-9 | 90   |
| 3    |    | Hexadecanoic acid, butyl ester          | 312 | C20H40O2 | 000111-06-8 | 83   |
| 4    |    | Hexadecanoic acid, 1,1-dimethylester    | 312 | C20H40O2 | 031158-91-5 | 72   |
| 5    |    | Eicosanoic acid                         | 312 | C20H40O2 | 000506-30-9 | 38   |



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Misc :  
ALS Vial : 4 Sample Multiplier: 1

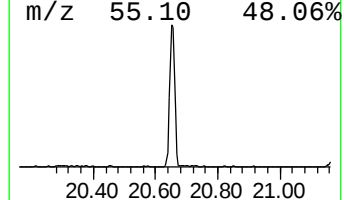
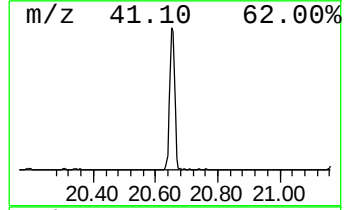
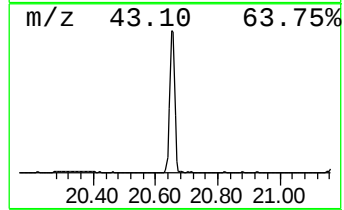
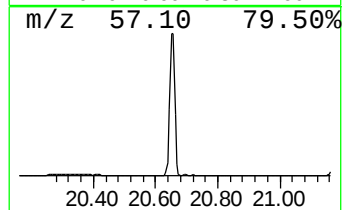
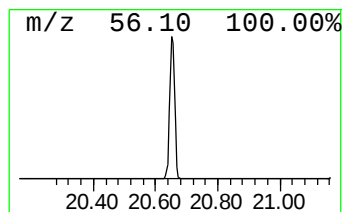
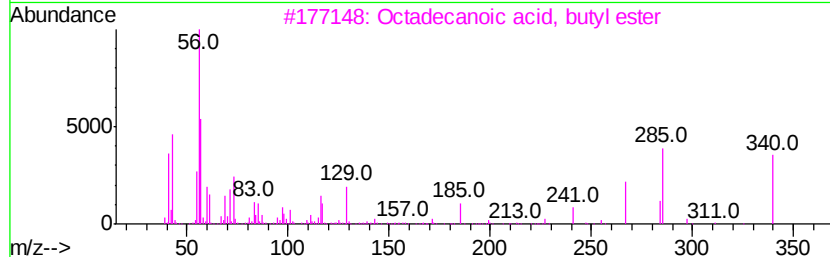
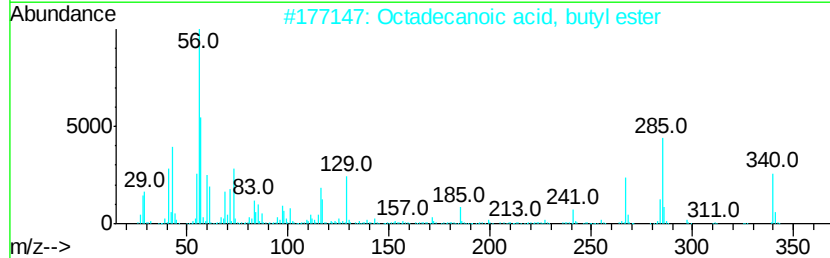
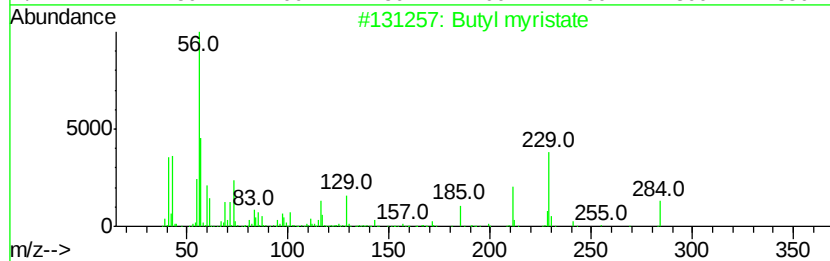
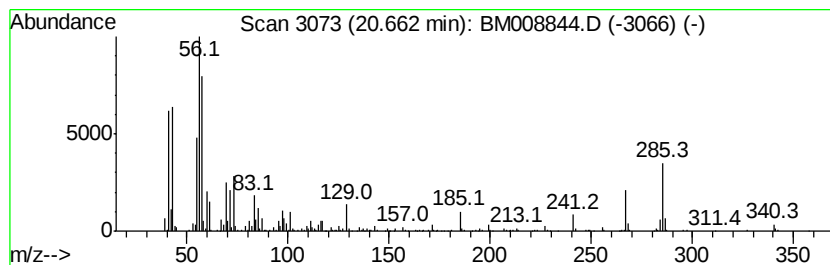
Instrument :  
BNA\_M  
ClientSampleId :  
BDN17

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Butyl myristate Concentration Rank 2

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------------------|--------------|------------------|-----------|
| 20.66   | 37.05 ng/ul                          | 2679300      | Chrysene-d12     | 21.48     |
| Hit# of | 5                                    | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Butyl myristate                      | 284 C18H36O2 | 000110-36-1      | 64        |
| 2       | Octadecanoic acid, butyl ester       | 340 C22H44O2 | 000123-95-5      | 53        |
| 3       | Octadecanoic acid, butyl ester       | 340 C22H44O2 | 000123-95-5      | 49        |
| 4       | Octadecanoic acid, 2-methylpropyl... | 340 C22H44O2 | 000646-13-9      | 47        |
| 5       | 2-Butyl-1-decene                     | 196 C14H28   | 051655-65-3      | 35        |



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Instrument :  
BNA\_M  
ClientSampleId :  
BDN17

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M  
Quant Title : SVOA CALIBRATION

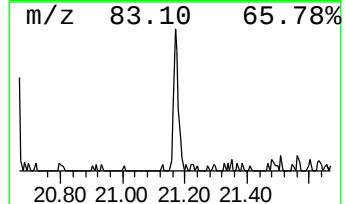
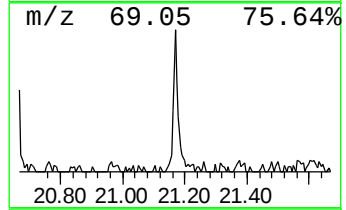
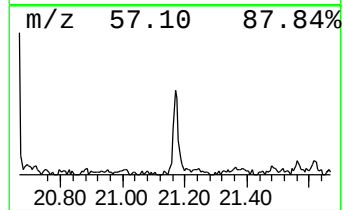
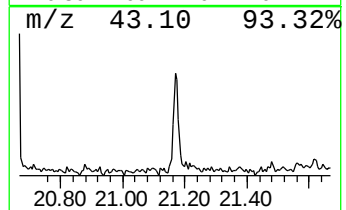
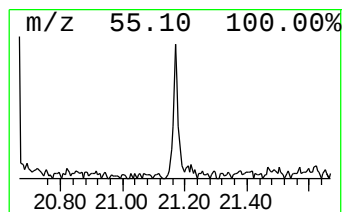
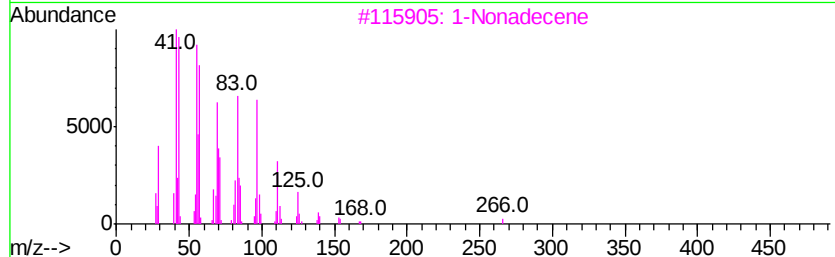
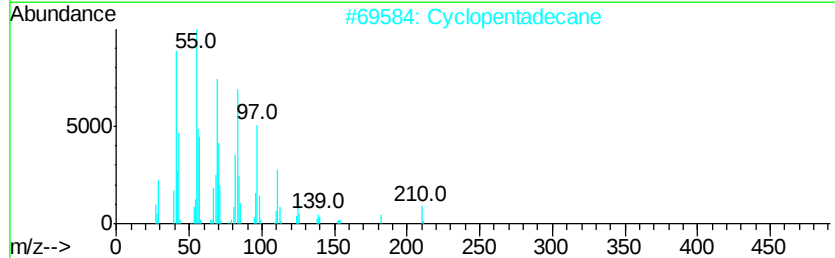
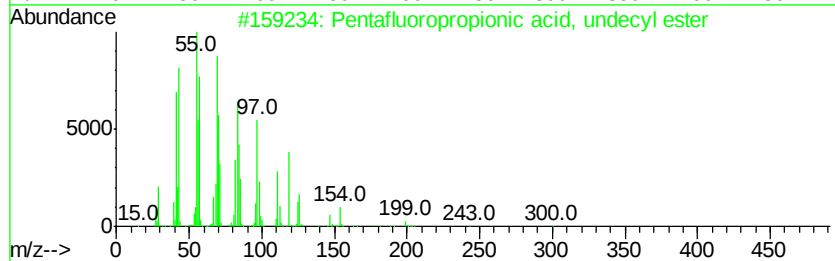
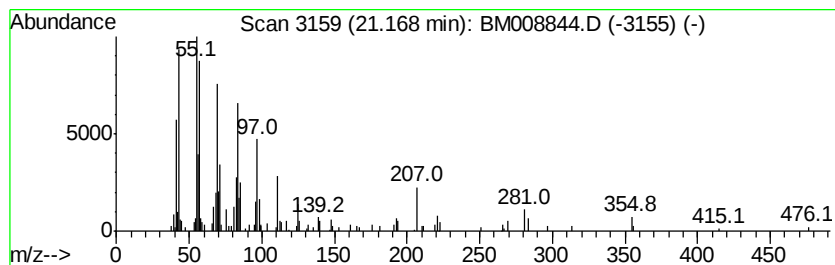
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.17 | 2.54 ng/ul | 183339 | Chrysene-d12     | 21.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Pentafluoropropionic acid, undec... | 318 | C14H23F5O2 | 959014-11-0 | 83   |
| 2    |    | Cyclopentadecane                    | 210 | C15H30     | 000295-48-7 | 68   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5 | 55   |
| 4    |    | Octacosanol                         | 410 | C28H58O    | 000557-61-9 | 50   |
| 5    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 49   |



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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 |
| unknown-01           | 18.19 | 2.1     | ng/ul | 117920   | 4                     | 17.32 | 1101190 | 20.0 |
| Hexadecanoic acid... | 19.61 | 43.4    | ng/ul | 3137460  | 5                     | 21.48 | 1446340 | 20.0 |
| Butyl myristate      | 20.66 | 37.0    | ng/ul | 2679300  | 5                     | 21.48 | 1446340 | 20.0 |
| Pentafluoropropio... | 21.17 | 2.5     | ng/ul | 183339   | 5                     | 21.48 | 1446340 | 20.0 |