

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043018\  
 Data File : BM014883.D  
 Acq On : 01 May 2018 00:57  
 Operator : SJ/JU  
 Sample : J2603-07  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F1B66

## 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-BM041918.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         | 3.340       | 4             | 9           | 25           | rVB      | 3449602        | 4615900       | 48.28%          | 3.670%        |
| 2         | 3.640       | 55            | 60          | 69           | rBV      | 162754         | 223759        | 2.34%           | 0.178%        |
| 3         | 5.481       | 368           | 373         | 383          | rBV      | 170498         | 260083        | 2.72%           | 0.207%        |
| 4         | 7.622       | 729           | 737         | 751          | rBV      | 2599279        | 4557861       | 47.67%          | 3.624%        |
| 5         | 7.799       | 760           | 767         | 776          | rBV      | 2015365        | 3239804       | 33.89%          | 2.576%        |
| 6         | 8.016       | 797           | 804         | 813          | rBV      | 2700769        | 4363449       | 45.64%          | 3.469%        |
| 7         | 8.498       | 878           | 886         | 897          | rBV      | 1728910        | 2887320       | 30.20%          | 2.296%        |
| 8         | 9.193       | 997           | 1004        | 1015         | rBV      | 2987414        | 4910831       | 51.36%          | 3.904%        |
| 9         | 9.681       | 1079          | 1087        | 1094         | rBV      | 2367957        | 4028184       | 42.13%          | 3.203%        |
| 10        | 10.410      | 1198          | 1211        | 1222         | rBV      | 1915420        | 3232771       | 33.81%          | 2.570%        |
| 11        | 10.945      | 1294          | 1302        | 1314         | rBV      | 2926787        | 4830295       | 50.52%          | 3.840%        |
| 12        | 11.339      | 1361          | 1369        | 1377         | rBV      | 2284898        | 3918516       | 40.98%          | 3.115%        |
| 13        | 11.463      | 1382          | 1390        | 1406         | rBV      | 2694833        | 4720766       | 49.37%          | 3.753%        |
| 14        | 14.492      | 1896          | 1905        | 1909         | rBV      | 4349797        | 5937677       | 62.10%          | 4.721%        |
| 15        | 14.539      | 1909          | 1913        | 1918         | rVB      | 1069491        | 1458036       | 15.25%          | 1.159%        |
| 16        | 14.804      | 1951          | 1958        | 1971         | rBV      | 5065202        | 7590367       | 79.39%          | 6.035%        |
| 17        | 14.951      | 1978          | 1983        | 1989         | rVB      | 160149         | 203506        | 2.13%           | 0.162%        |
| 18        | 15.104      | 2002          | 2009        | 2016         | rBV2     | 2789025        | 4401791       | 46.04%          | 3.500%        |
| 19        | 15.263      | 2026          | 2036        | 2052         | rBV      | 1673797        | 2618689       | 27.39%          | 2.082%        |
| 20        | 15.851      | 2131          | 2136        | 2139         | rBV      | 85741          | 114523        | 1.20%           | 0.091%        |
| 21        | 15.892      | 2139          | 2143        | 2147         | rVB      | 205148         | 263728        | 2.76%           | 0.210%        |
| 22        | 16.080      | 2168          | 2175        | 2181         | rBV      | 6089871        | 8726324       | 91.27%          | 6.938%        |
| 23        | 16.180      | 2186          | 2192        | 2203         | rVV      | 1690191        | 2323456       | 24.30%          | 1.847%        |
| 24        | 16.316      | 2204          | 2215        | 2220         | rVB3     | 75767          | 221297        | 2.31%           | 0.176%        |
| 25        | 16.739      | 2282          | 2287        | 2303         | rBV      | 180148         | 316044        | 3.31%           | 0.251%        |
| 26        | 17.521      | 2416          | 2420        | 2425         | rBV      | 110720         | 136545        | 1.43%           | 0.109%        |
| 27        | 17.816      | 2463          | 2470        | 2475         | rBV      | 3284593        | 4626679       | 48.39%          | 3.678%        |
| 28        | 17.916      | 2480          | 2487        | 2498         | rVB      | 5860735        | 8717551       | 91.18%          | 6.931%        |
| 29        | 18.251      | 2540          | 2544        | 2550         | rBV      | 72870          | 96016         | 1.00%           | 0.076%        |
| 30        | 18.645      | 2605          | 2611        | 2622         | rBV      | 1097256        | 1537671       | 16.08%          | 1.223%        |
| 31        | 19.821      | 2808          | 2811        | 2815         | rVB      | 134086         | 162928        | 1.70%           | 0.130%        |
| 32        | 19.886      | 2817          | 2822        | 2831         | rVV      | 498901         | 699448        | 7.32%           | 0.556%        |
| 33        | 20.151      | 2861          | 2867        | 2878         | rVV      | 6994876        | 9556012       | 99.95%          | 7.598%        |
| 34        | 21.562      | 3103          | 3107        | 3116         | rBV      | 778229         | 1176660       | 12.31%          | 0.936%        |

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Misc :  
ALS Vial : 26 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :  
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Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
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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

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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 21.768 | 3139 | 3142 | 3149 | rVB  | 176908  | 203269  | 2.13%   | 0.162% |
| 36 | 21.903 | 3159 | 3165 | 3170 | rBV  | 3477581 | 4690516 | 49.06%  | 3.729% |
| 37 | 24.227 | 3552 | 3560 | 3574 | rVB  | 4468300 | 9561134 | 100.00% | 7.602% |
| 38 | 24.380 | 3580 | 3586 | 3604 | rVB2 | 2202614 | 4647390 | 48.61%  | 3.695% |

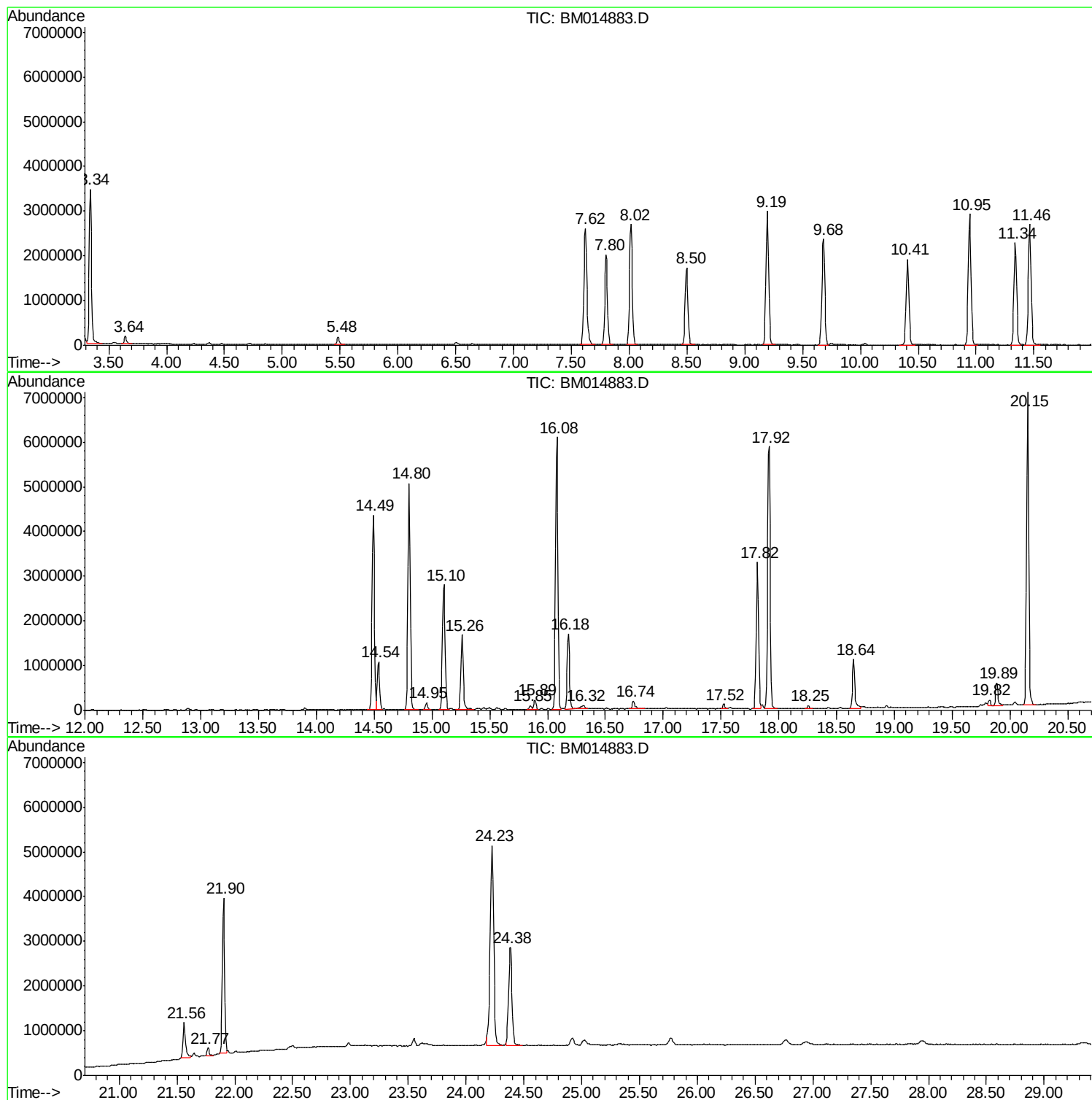
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

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



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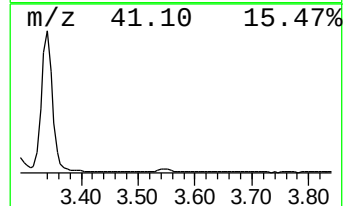
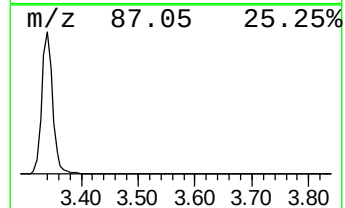
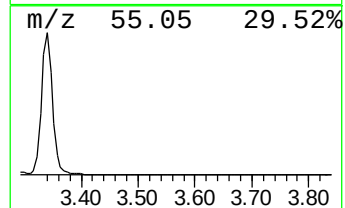
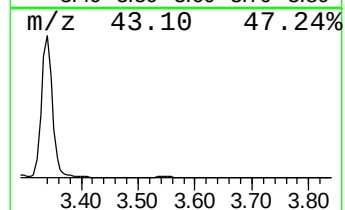
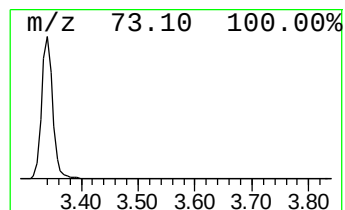
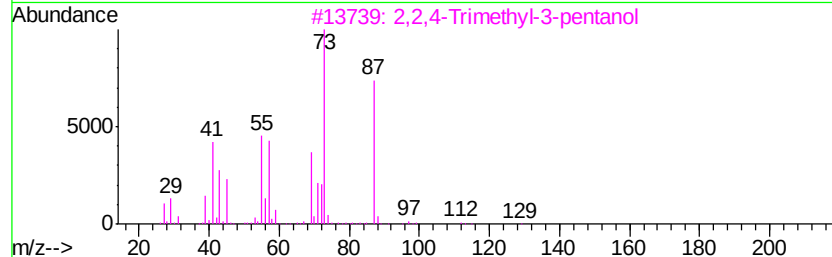
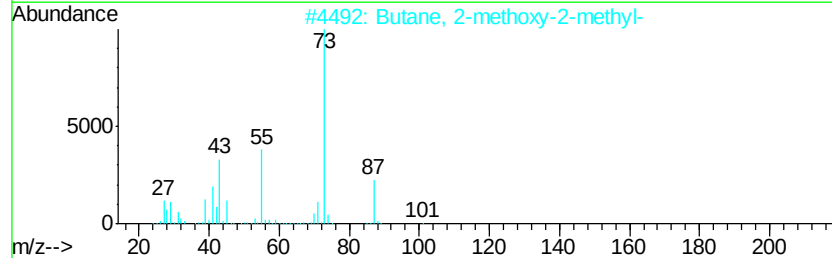
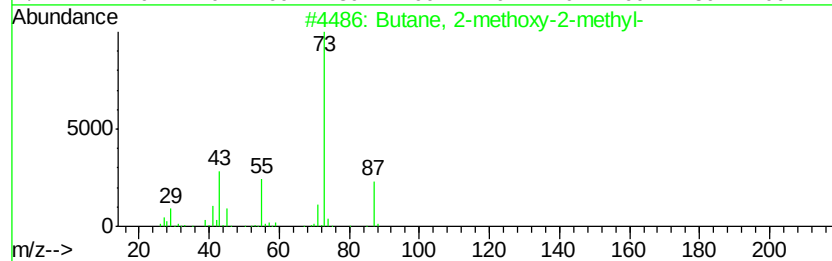
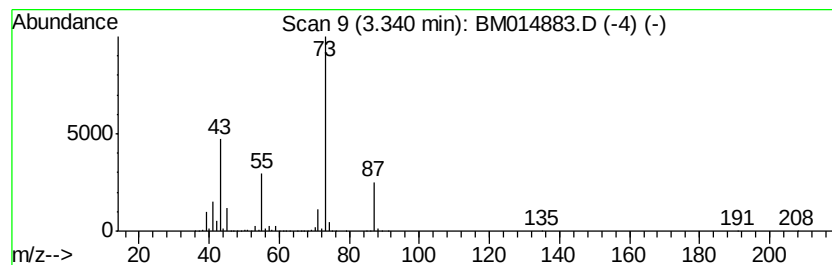
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.34 | 31.97 ng/ul | 4615900 | 1,4-Dichlorobenzene-d4 | 8.50 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

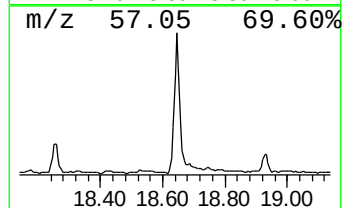
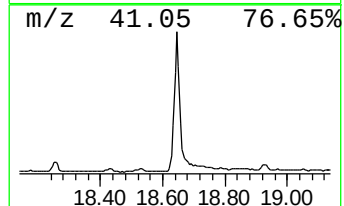
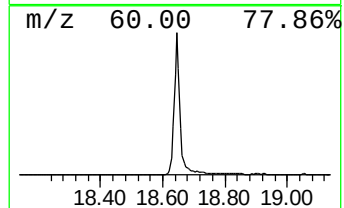
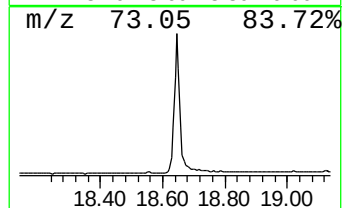
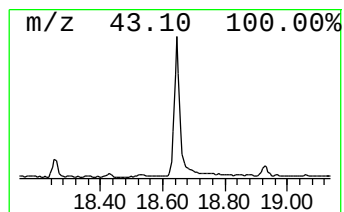
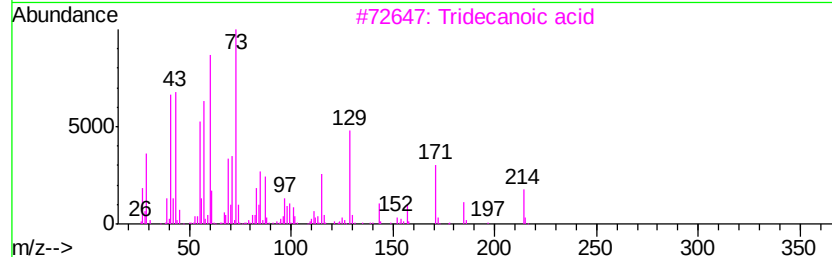
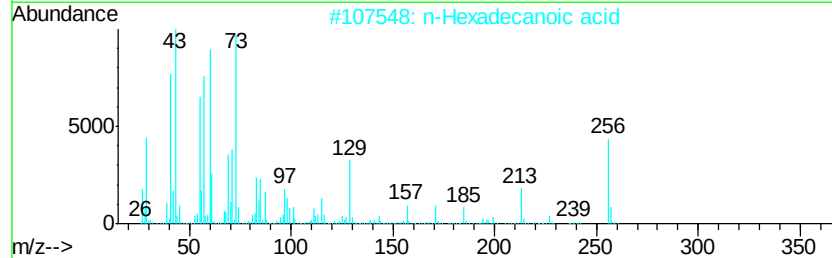
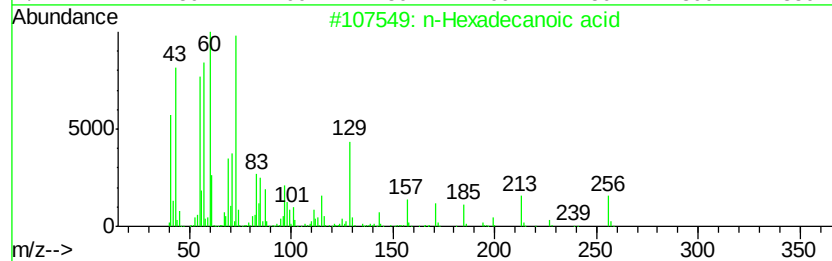
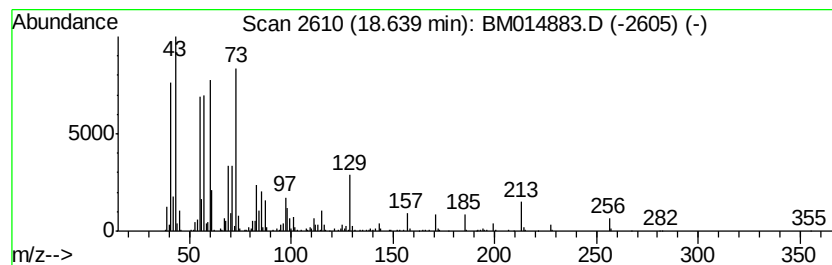
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 18.64 | 6.65 ng/ul | 1537670 | Phenanthrene-d10 | 17.82 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 4    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 5    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |



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BNA\_M  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

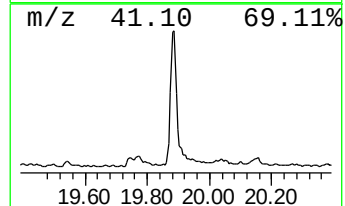
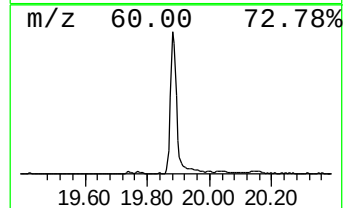
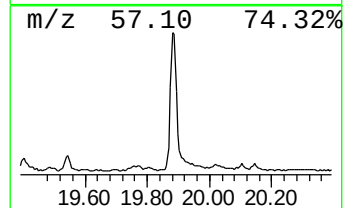
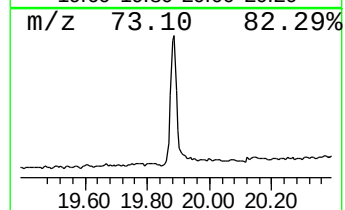
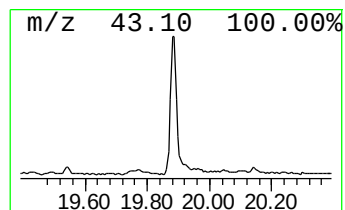
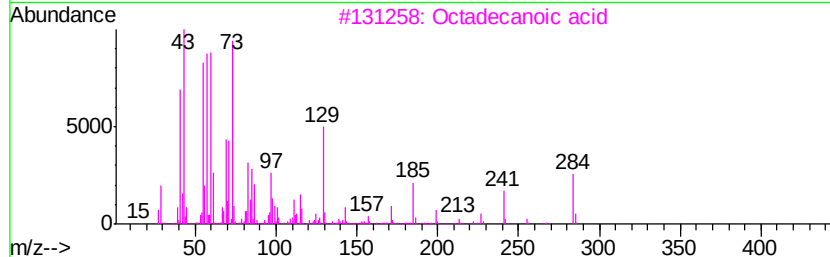
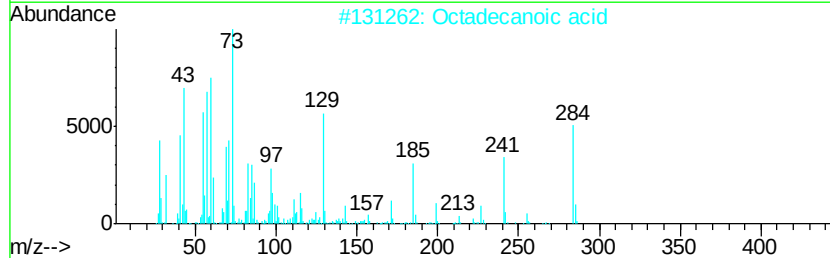
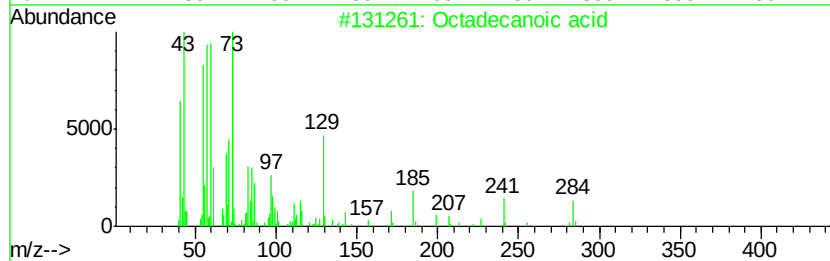
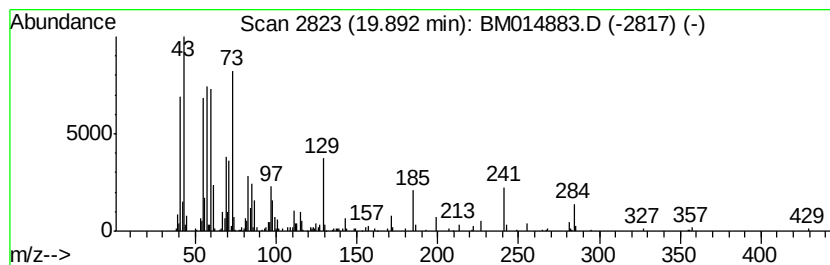
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Octadecanoic acid Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.89 | 2.98 ng/ul | 699448 | Chrysene-d12     | 21.90 |

| 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 | 99   |
| 3    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 98   |
| 4    |    |   | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 95   |
| 5    |    |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

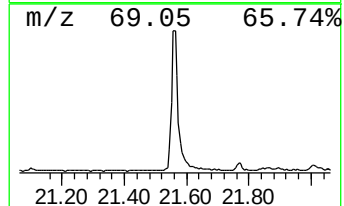
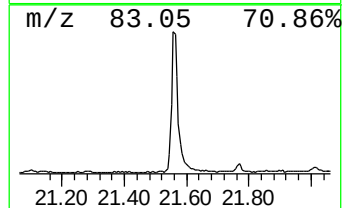
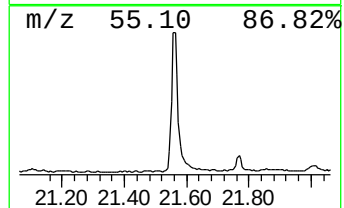
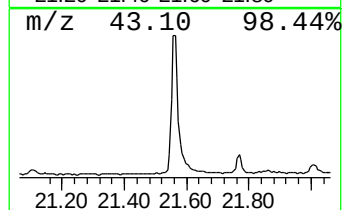
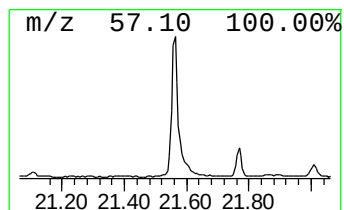
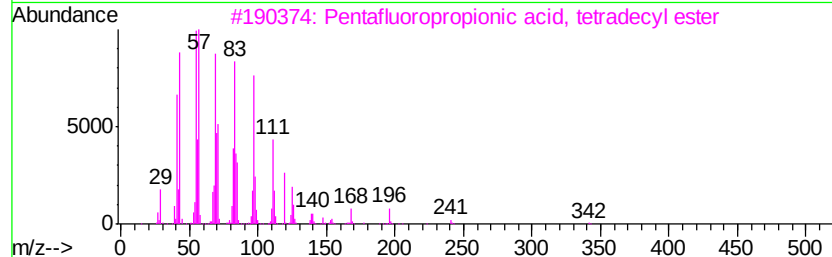
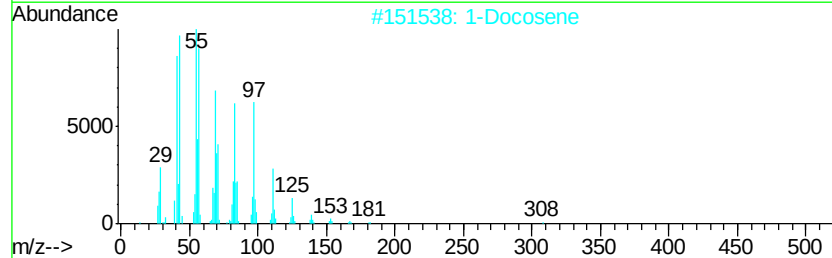
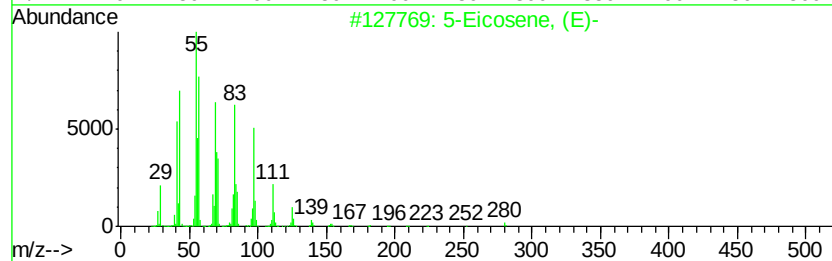
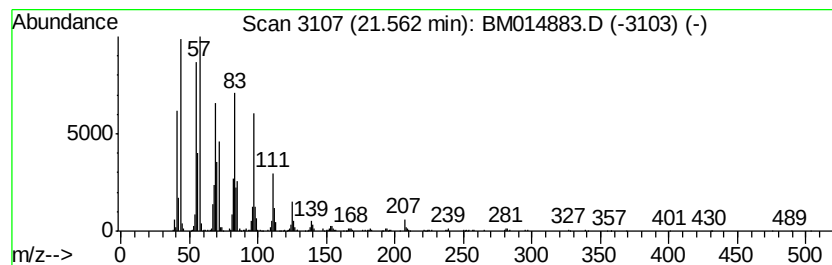
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Cyclic21.56 Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.56 | 5.02 ng/ul | 1176660 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 5-Eicosene, (E)-                    | 280 | C20H40      | 074685-30-6 | 98   |
| 2    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 95   |
| 3    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2  | 006222-06-6 | 94   |
| 4    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 5    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.34  | 32.0    | ng/ul | 4615900  | 1                     | 8.50  | 2887320 | 20.0 |
| n-Hexadecanoic acid  | 18.64 | 6.7     | ng/ul | 1537670  | 4                     | 17.82 | 4626680 | 20.0 |
| Octadecanoic acid    | 19.89 | 3.0     | ng/ul | 699448   | 5                     | 21.90 | 4690520 | 20.0 |
| (DEL) Alkane: Cyc... | 21.56 | 5.0     | ng/ul | 1176660  | 5                     | 21.90 | 4690520 | 20.0 |