

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022417\  
 Data File : BM009016.D  
 Acq On : 24 Feb 2017 14:03  
 Operator : SJ/MA  
 Sample : I1940-12  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DABQ5

## 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-BM022317.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         | 3.363       | 43            | 47          | 52           | rVB4     | 36215          | 51829         | 1.86%           | 0.143%        |
| 2         | 5.016       | 324           | 328         | 336          | rVB      | 81846          | 115625        | 4.15%           | 0.318%        |
| 3         | 7.051       | 668           | 674         | 688          | rVB2     | 603801         | 1092944       | 39.25%          | 3.007%        |
| 4         | 7.228       | 696           | 704         | 713          | rBV      | 420919         | 670602        | 24.09%          | 1.845%        |
| 5         | 7.428       | 732           | 738         | 750          | rVB      | 562536         | 895024        | 32.15%          | 2.463%        |
| 6         | 7.898       | 812           | 818         | 826          | rBV      | 727300         | 1142346       | 41.03%          | 3.143%        |
| 7         | 8.592       | 930           | 936         | 947          | rBV      | 642057         | 1031534       | 37.05%          | 2.838%        |
| 8         | 9.063       | 1008          | 1016        | 1024         | rBV      | 541537         | 879544        | 31.59%          | 2.420%        |
| 9         | 9.786       | 1131          | 1139        | 1147         | rBV2     | 428624         | 707127        | 25.40%          | 1.946%        |
| 10        | 10.316      | 1221          | 1229        | 1236         | rBV      | 635959         | 1040384       | 37.37%          | 2.862%        |
| 11        | 10.704      | 1287          | 1295        | 1302         | rVB      | 860865         | 1463617       | 52.57%          | 4.027%        |
| 12        | 10.839      | 1310          | 1318        | 1329         | rBV      | 602188         | 1030573       | 37.01%          | 2.835%        |
| 13        | 13.945      | 1839          | 1846        | 1850         | rBV      | 1050250        | 1440871       | 51.75%          | 3.964%        |
| 14        | 13.986      | 1850          | 1853        | 1861         | rVB      | 198760         | 284105        | 10.20%          | 0.782%        |
| 15        | 14.233      | 1889          | 1895        | 1903         | rVB      | 1104450        | 1563752       | 56.16%          | 4.302%        |
| 16        | 14.539      | 1941          | 1947        | 1957         | rVB2     | 1221330        | 1827342       | 65.63%          | 5.028%        |
| 17        | 14.721      | 1970          | 1978        | 1988         | rBV      | 490814         | 730602        | 26.24%          | 2.010%        |
| 18        | 15.321      | 2073          | 2080        | 2083         | rBV3     | 22021          | 28263         | 1.02%           | 0.078%        |
| 19        | 15.368      | 2083          | 2088        | 2094         | rVB      | 36936          | 51081         | 1.83%           | 0.141%        |
| 20        | 15.533      | 2109          | 2116        | 2121         | rBV      | 1409693        | 2057834       | 73.91%          | 5.662%        |
| 21        | 15.645      | 2128          | 2135        | 2143         | rBV      | 464570         | 645816        | 23.20%          | 1.777%        |
| 22        | 15.768      | 2150          | 2156        | 2160         | rBV6     | 35210          | 57880         | 2.08%           | 0.159%        |
| 23        | 16.227      | 2229          | 2234        | 2243         | rBV2     | 67903          | 121195        | 4.35%           | 0.333%        |
| 24        | 17.021      | 2364          | 2369        | 2373         | rBV      | 68065          | 85391         | 3.07%           | 0.235%        |
| 25        | 17.068      | 2373          | 2377        | 2382         | rVV6     | 24615          | 37615         | 1.35%           | 0.103%        |
| 26        | 17.286      | 2407          | 2414        | 2421         | rBV      | 1563562        | 2229299       | 80.07%          | 6.134%        |
| 27        | 17.380      | 2423          | 2430        | 2441         | rVV2     | 1573386        | 2298474       | 82.55%          | 6.324%        |
| 28        | 17.645      | 2470          | 2475        | 2481         | rBV4     | 63823          | 93893         | 3.37%           | 0.258%        |
| 29        | 17.756      | 2489          | 2494        | 2499         | rBV2     | 53140          | 67332         | 2.42%           | 0.185%        |
| 30        | 18.150      | 2556          | 2561        | 2567         | rBV3     | 174397         | 245125        | 8.80%           | 0.674%        |
| 31        | 19.009      | 2704          | 2707        | 2711         | rBV5     | 24329          | 35416         | 1.27%           | 0.097%        |
| 32        | 19.309      | 2752          | 2758        | 2762         | rBV6     | 40835          | 79368         | 2.85%           | 0.218%        |
| 33        | 19.427      | 2775          | 2778        | 2784         | rBV6     | 74829          | 110413        | 3.97%           | 0.304%        |
| 34        | 19.562      | 2797          | 2801        | 2803         | rBV4     | 23842          | 28226         | 1.01%           | 0.078%        |

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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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Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.674 | 2814 | 2820 | 2829 | rBV  | 1982032 | 2784249 | 100.00% | 7.660% |
| 36 | 21.139 | 3066 | 3069 | 3073 | rBV3 | 145929  | 185923  | 6.68%   | 0.512% |
| 37 | 21.456 | 3118 | 3123 | 3129 | rVB  | 2155396 | 2739093 | 98.38%  | 7.536% |
| 38 | 22.521 | 3299 | 3304 | 3311 | rBV  | 700604  | 1027873 | 36.92%  | 2.828% |
| 39 | 23.650 | 3489 | 3496 | 3504 | rBV2 | 1425455 | 2720277 | 97.70%  | 7.484% |
| 40 | 23.797 | 3515 | 3521 | 3532 | rVB  | 1420774 | 2648051 | 95.11%  | 7.286% |

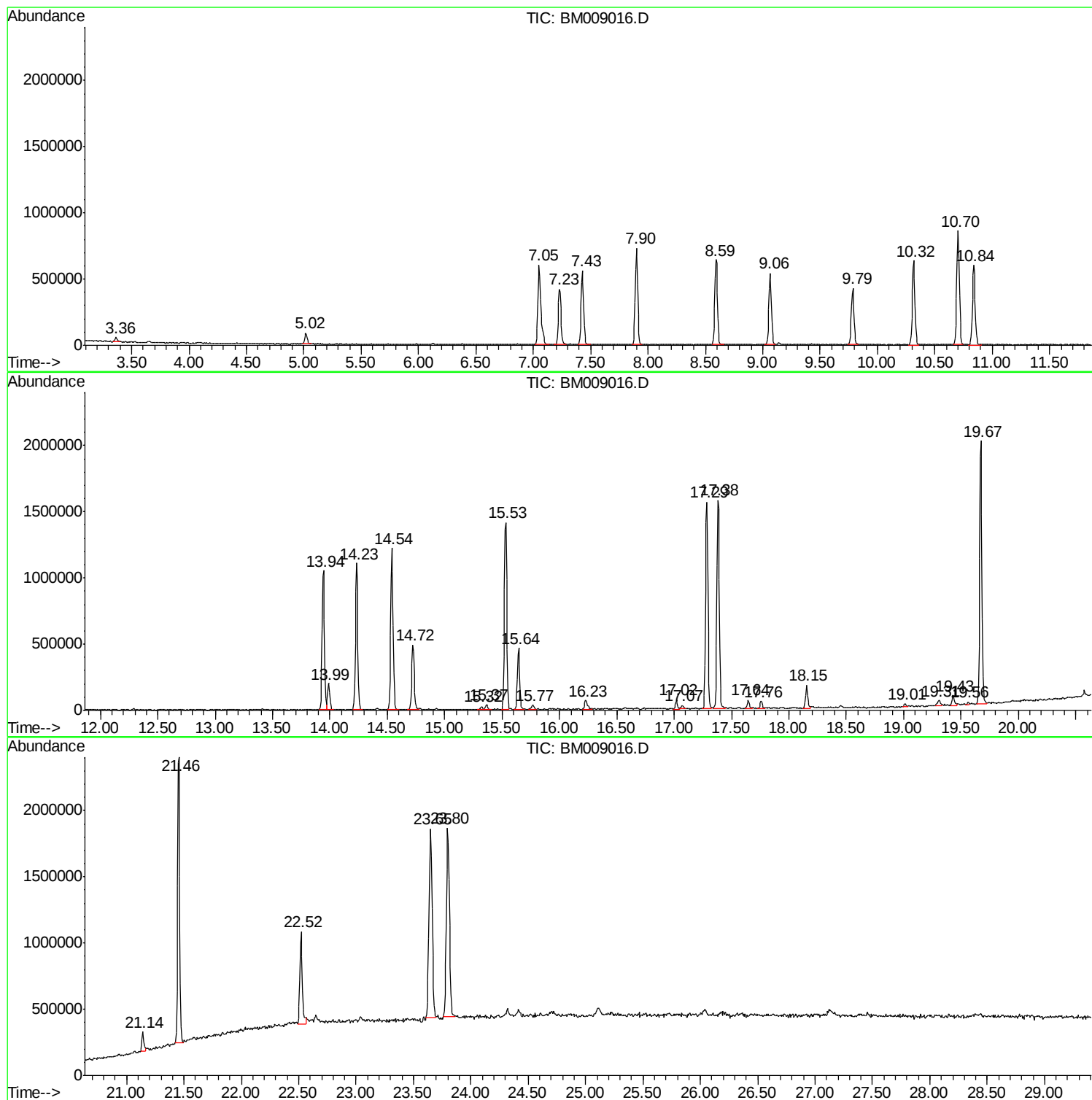
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
Quant Title : SVOA CALIBRATION

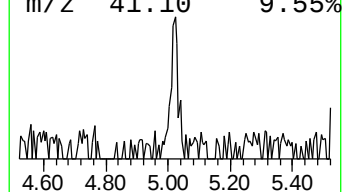
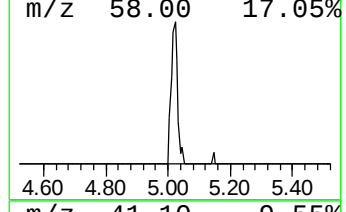
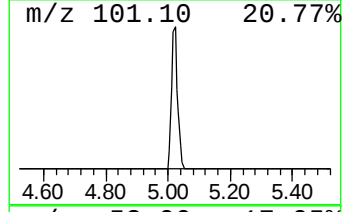
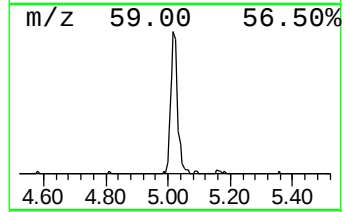
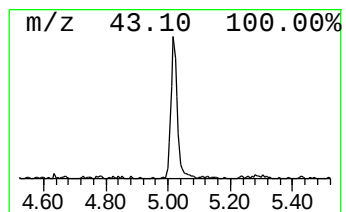
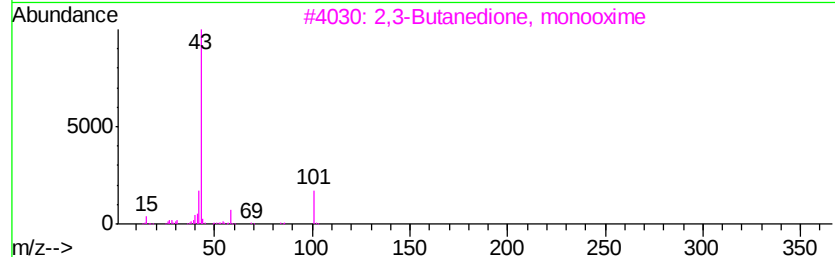
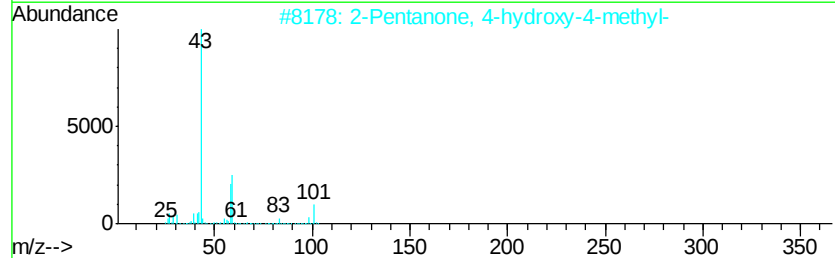
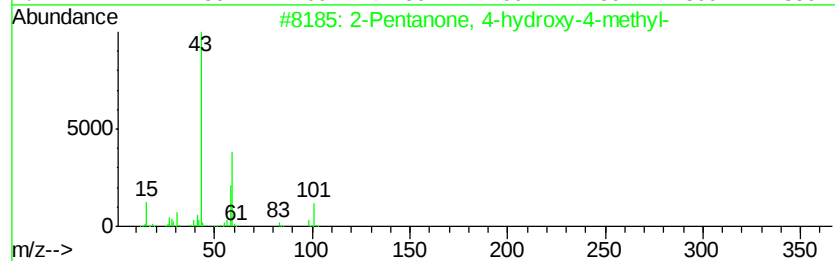
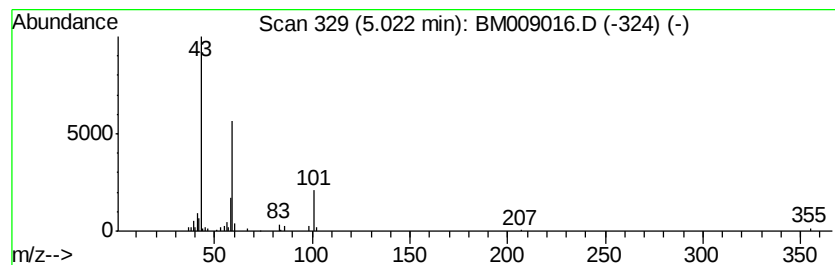
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 5.02 | 2.02 ng/ul | 115625 | 1,4-Dichlorobenzene-d4 | 7.90 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 37   |
| 3    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 27   |
| 4    |    | Silane, trimethyl-               | 74  | C3H10Si | 000993-07-7 | 23   |
| 5    |    | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
Quant Title : SVOA CALIBRATION

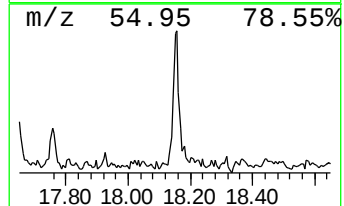
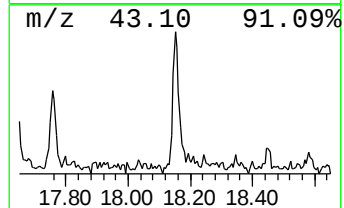
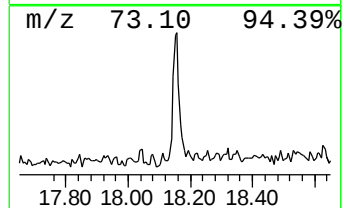
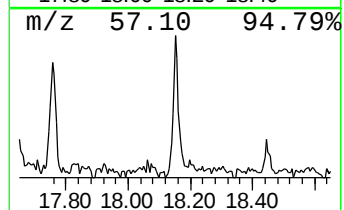
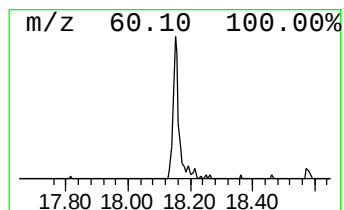
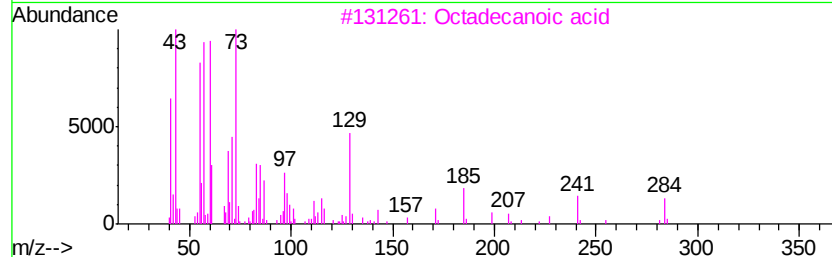
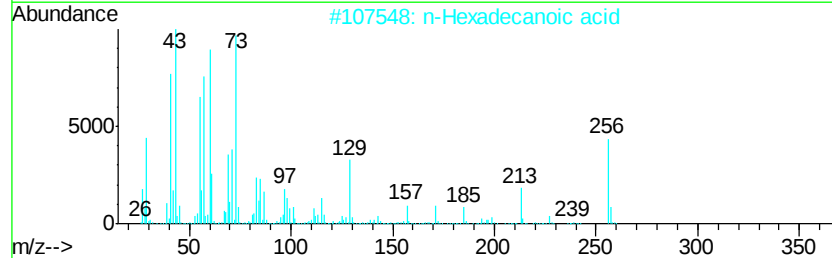
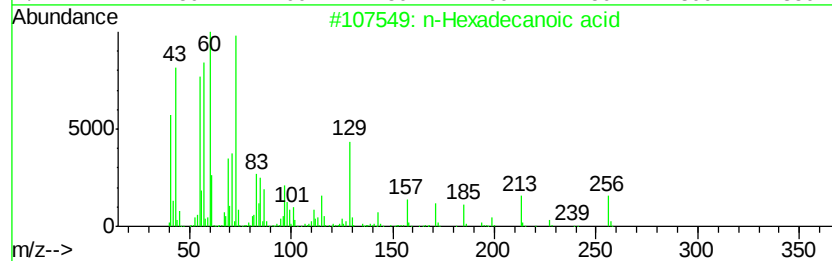
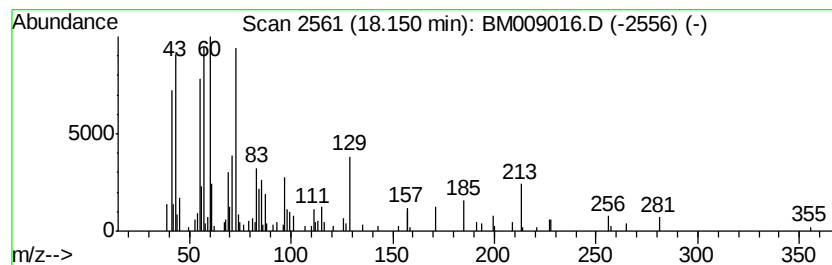
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.15 | 2.20 ng/ul | 245125 | Phenanthrene-d10 | 17.29 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 86   |
| 3    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 74   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 72   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022317.M  
Quant Title : SVOA CALIBRATION

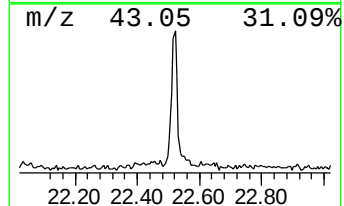
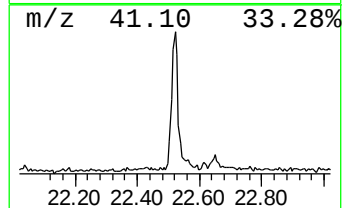
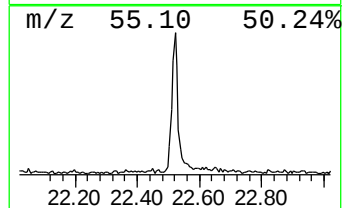
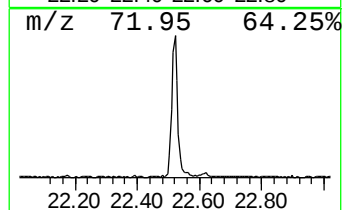
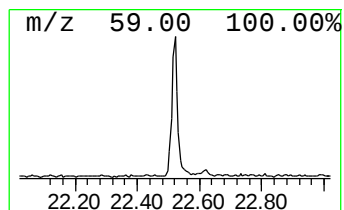
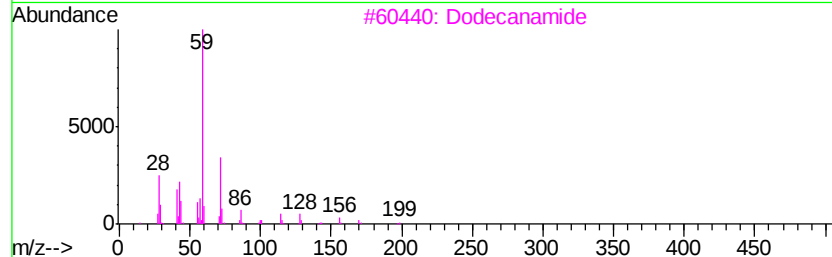
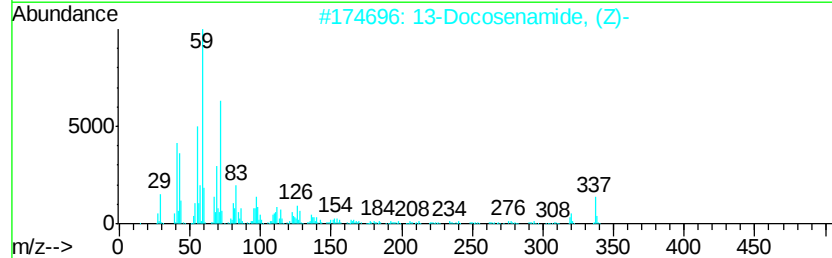
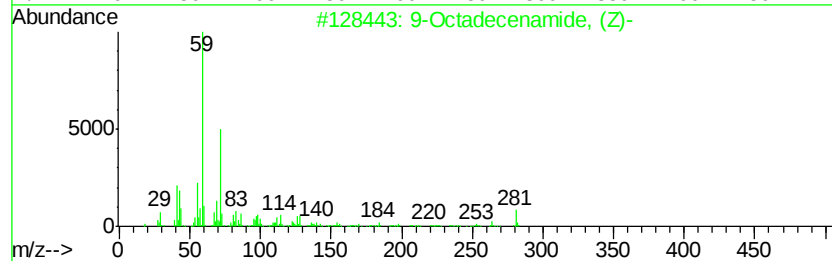
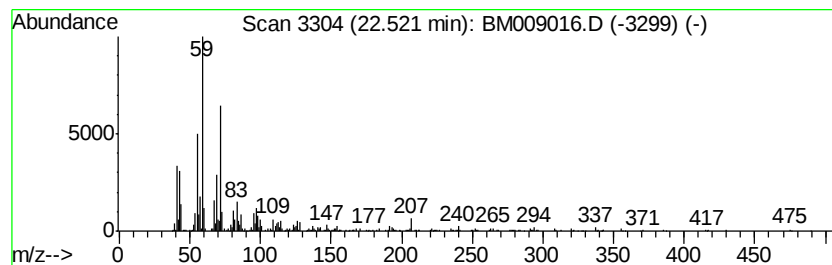
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.52 | 7.51 ng/ul | 1027870 | Chrysene-d12     | 21.46 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 78   |
| 2    |    | 13-Docosenamide, (Z)-  | 337 | C22H43NO | 000112-84-5 | 68   |
| 3    |    | Dodecanamide           | 199 | C12H25NO | 001120-16-7 | 53   |
| 4    |    | Nonanamide             | 157 | C9H19NO  | 001120-07-6 | 53   |
| 5    |    | 7-Nonenamide           | 155 | C9H17NO  | 090949-53-4 | 52   |



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| TIC Top Hit name      | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                       |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy...  | 5.02  | 2.0     | ng/ul | 115625   | 1                     | 7.90  | 1142350 | 20.0 |
| n-Hexadecanoic acid   | 18.15 | 2.2     | ng/ul | 245125   | 4                     | 17.29 | 2229300 | 20.0 |
| 9-Octadecenamide, ... | 22.52 | 7.5     | ng/ul | 1027870  | 5                     | 21.46 | 2739090 | 20.0 |