

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022516\  
 Data File : BM004411.D  
 Acq On : 25 Feb 2016 22:45  
 Operator : SJ/UM  
 Sample : H1572-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0311-S52-0312

## 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-BM022216.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         | 2.734       | 3             | 8           | 18           | rBV      | 37319          | 55810         | 10.42%          | 0.956%        |
| 2         | 2.811       | 18            | 21          | 28           | rVB      | 12785          | 13943         | 2.60%           | 0.239%        |
| 3         | 6.805       | 695           | 700         | 713          | rBB      | 75079          | 121264        | 22.64%          | 2.077%        |
| 4         | 6.952       | 720           | 725         | 733          | rBV      | 67357          | 99402         | 18.56%          | 1.702%        |
| 5         | 7.152       | 753           | 759         | 769          | rBB      | 87325          | 134671        | 25.14%          | 2.306%        |
| 6         | 7.616       | 832           | 838         | 845          | rBB      | 76640          | 119335        | 22.28%          | 2.044%        |
| 7         | 8.340       | 955           | 961         | 973          | rBB      | 103258         | 166169        | 31.02%          | 2.846%        |
| 8         | 8.775       | 1029          | 1035        | 1043         | rBV      | 76125          | 123211        | 23.00%          | 2.110%        |
| 9         | 9.493       | 1152          | 1157        | 1165         | rBB      | 64411          | 104241        | 19.46%          | 1.785%        |
| 10        | 10.040      | 1244          | 1250        | 1265         | rBB      | 99904          | 170799        | 31.89%          | 2.925%        |
| 11        | 10.398      | 1305          | 1311        | 1319         | rBB      | 120527         | 193875        | 36.19%          | 3.320%        |
| 12        | 10.551      | 1331          | 1337        | 1355         | rBB      | 96138          | 170416        | 31.81%          | 2.918%        |
| 13        | 13.692      | 1865          | 1871        | 1875         | rBV      | 208544         | 285891        | 53.37%          | 4.896%        |
| 14        | 13.739      | 1875          | 1879        | 1886         | rVB      | 85845          | 117077        | 21.86%          | 2.005%        |
| 15        | 13.969      | 1912          | 1918        | 1931         | rBB      | 248877         | 358244        | 66.88%          | 6.135%        |
| 16        | 14.175      | 1947          | 1953        | 1957         | rBB      | 10255          | 11836         | 2.21%           | 0.203%        |
| 17        | 14.281      | 1965          | 1971        | 1977         | rBB2     | 177954         | 266361        | 49.73%          | 4.562%        |
| 18        | 14.528      | 2009          | 2013        | 2026         | rBV      | 30621          | 67142         | 12.53%          | 1.150%        |
| 19        | 15.128      | 2111          | 2115        | 2119         | rBB      | 14579          | 17547         | 3.28%           | 0.301%        |
| 20        | 15.275      | 2135          | 2140        | 2150         | rBB      | 317500         | 448607        | 83.75%          | 7.683%        |
| 21        | 15.427      | 2161          | 2166        | 2175         | rBB      | 54652          | 76590         | 14.30%          | 1.312%        |
| 22        | 15.522      | 2179          | 2182        | 2189         | rBB2     | 4044           | 8248          | 1.54%           | 0.141%        |
| 23        | 15.992      | 2258          | 2262        | 2270         | rBV      | 15814          | 24986         | 4.66%           | 0.428%        |
| 24        | 16.786      | 2394          | 2397        | 2401         | rBB      | 8356           | 9665          | 1.80%           | 0.166%        |
| 25        | 17.033      | 2433          | 2439        | 2444         | rBV2     | 219285         | 294520        | 54.98%          | 5.044%        |
| 26        | 17.133      | 2450          | 2456        | 2472         | rVB2     | 314618         | 457646        | 85.44%          | 7.837%        |
| 27        | 17.933      | 2587          | 2592        | 2596         | rBV      | 10221          | 13174         | 2.46%           | 0.226%        |
| 28        | 19.104      | 2788          | 2791        | 2797         | rVB      | 10373          | 12738         | 2.38%           | 0.218%        |
| 29        | 19.439      | 2842          | 2848        | 2858         | rBV      | 382661         | 535597        | 99.99%          | 9.172%        |
| 30        | 20.945      | 3099          | 3104        | 3114         | rBV2     | 46667          | 64028         | 11.95%          | 1.097%        |
| 31        | 21.151      | 3136          | 3139        | 3144         | rBV      | 11083          | 10909         | 2.04%           | 0.187%        |
| 32        | 21.245      | 3148          | 3155        | 3160         | rBV      | 271622         | 345748        | 64.55%          | 5.921%        |
| 33        | 21.280      | 3160          | 3161        | 3166         | rVB      | 8045           | 7315          | 1.37%           | 0.125%        |
| 34        | 22.262      | 3325          | 3328        | 3336         | rVB4     | 4279           | 6938          | 1.30%           | 0.119%        |

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 35 | 22.762 | 3410 | 3413 | 3416 | rVB  | 6116   | 7138   | 1.33%   | 0.122% |
| 36 | 22.815 | 3417 | 3422 | 3425 | rBV3 | 7827   | 13808  | 2.58%   | 0.236% |
| 37 | 23.321 | 3502 | 3508 | 3524 | rVB  | 286929 | 535660 | 100.00% | 9.174% |
| 38 | 23.462 | 3525 | 3532 | 3541 | rBV2 | 177103 | 330250 | 61.65%  | 5.656% |
| 39 | 23.945 | 3609 | 3614 | 3620 | rVB3 | 10032  | 18383  | 3.43%   | 0.315% |
| 40 | 24.039 | 3626 | 3630 | 3634 | rBV5 | 3699   | 5601   | 1.05%   | 0.096% |
| 41 | 24.674 | 3733 | 3738 | 3744 | rBV3 | 7157   | 14412  | 2.69%   | 0.247% |

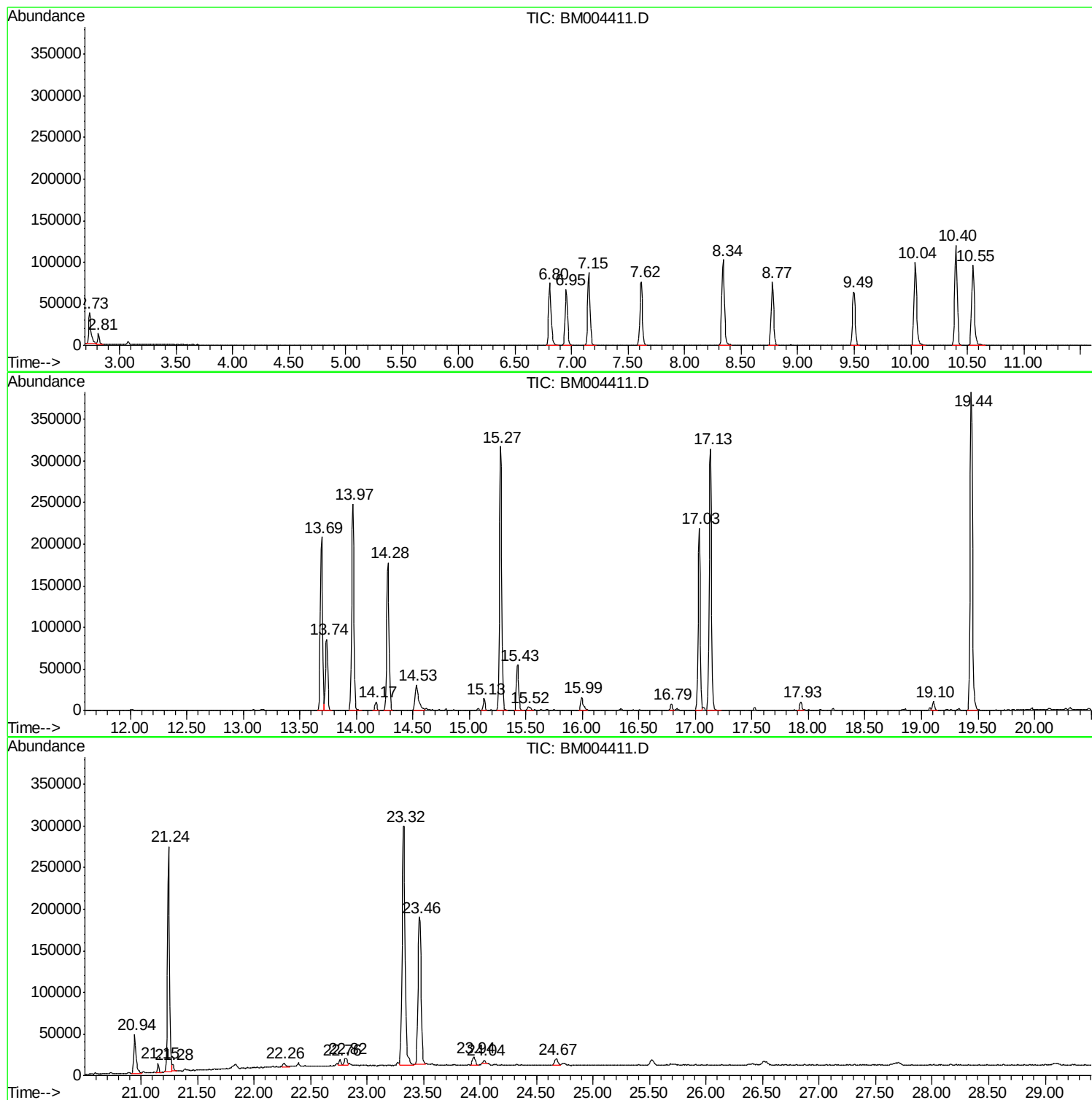
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM022216.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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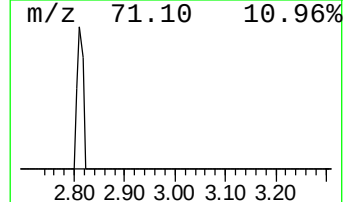
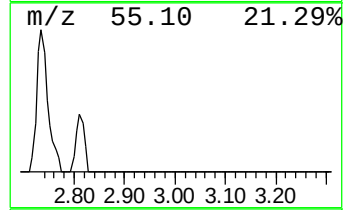
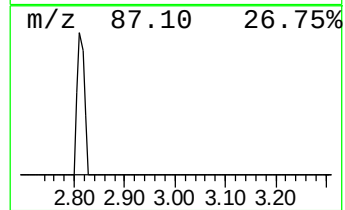
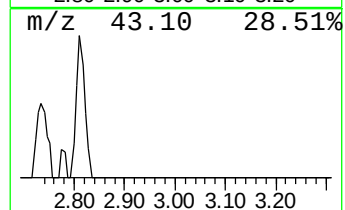
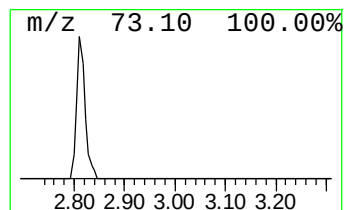
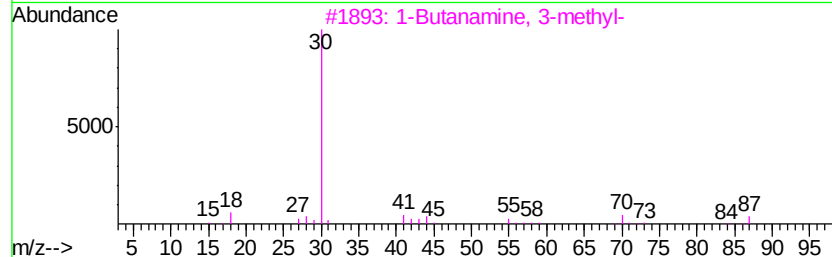
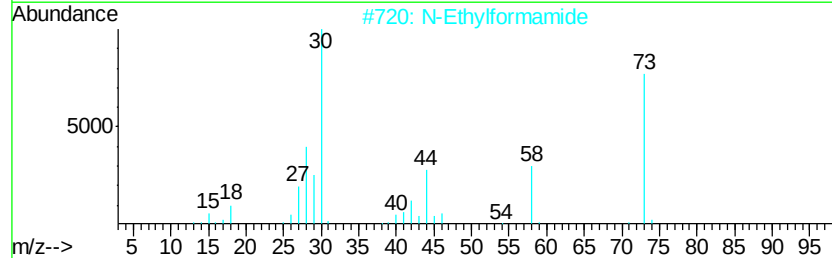
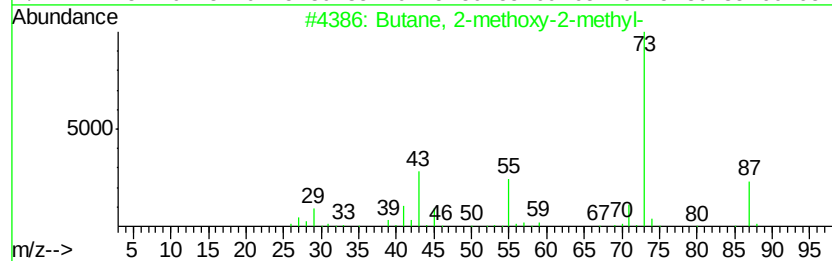
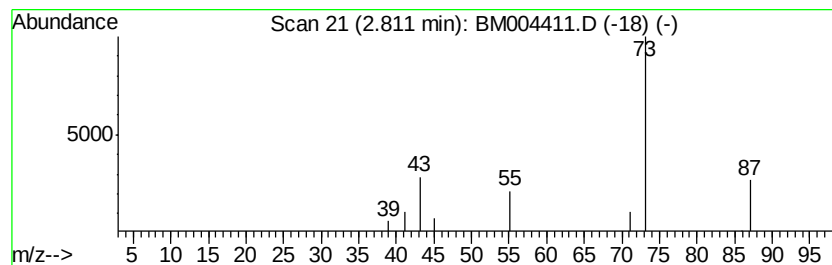
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 2.81 | 2.34 ng/ul | 13943 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 74   |
| 2    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 4    |
| 3    |    |   | 1-Butanamine, 3-methyl-     | 87  | C5H13N  | 000107-85-7 | 4    |
| 4    |    |   | Isobutylamine               | 73  | C4H11N  | 000078-81-9 | 4    |
| 5    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 4    |



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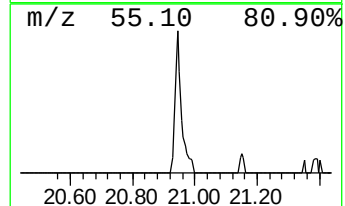
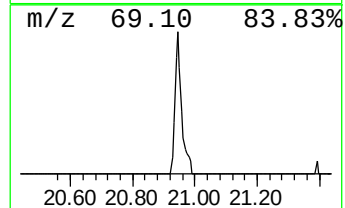
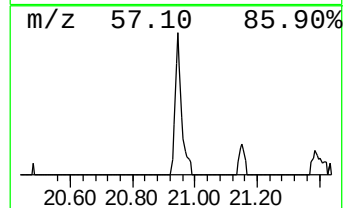
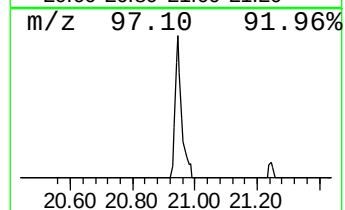
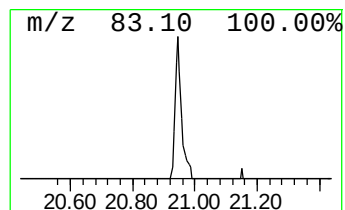
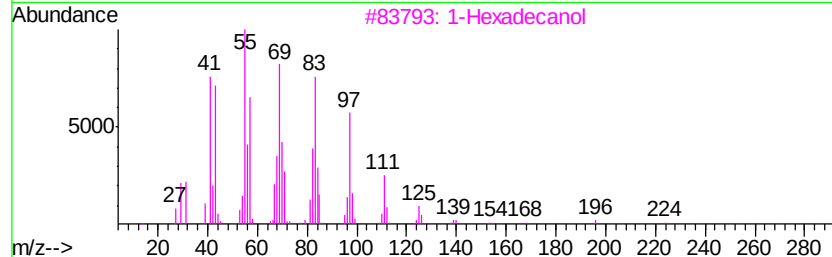
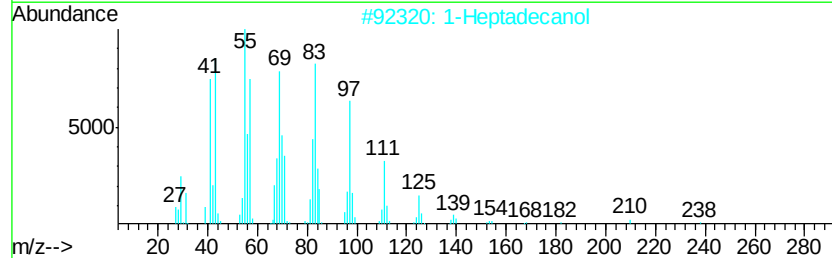
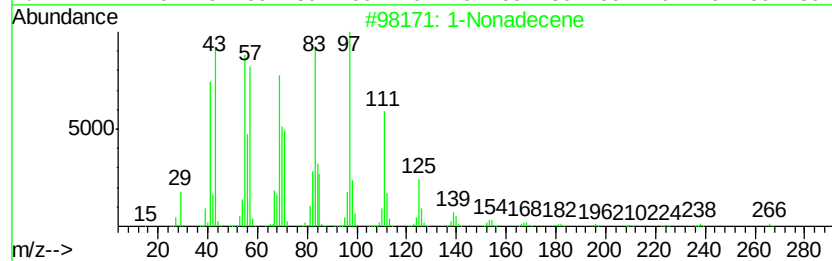
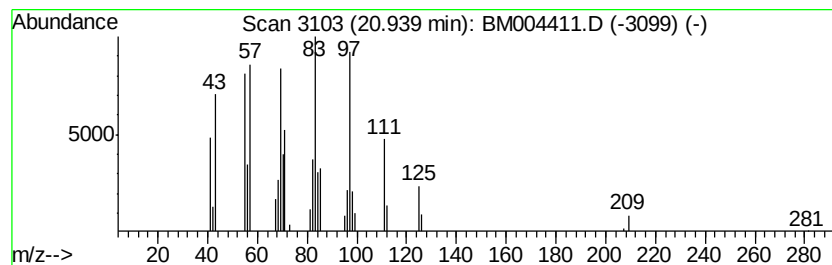
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Peak Number 3 (DEL) Alkane: Cyclic20.94 Concentration Rank 2

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 20.94 | 3.70 ng/ul | 64028 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |
| 2    |    | 1-Heptadecanol                      | 256 | C17H36O     | 001454-85-9 | 91   |
| 3    |    | 1-Hexadecanol                       | 242 | C16H34O     | 036653-82-4 | 91   |
| 4    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 90   |
| 5    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 90   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 2.81  | 2.3     | ng/ul | 13943    | 1                     | 7.62  | 119335 | 20.0 |
| (DEL) Alkane: Cyc... | 20.94 | 3.7     | ng/ul | 64028    | 5                     | 21.24 | 345748 | 20.0 |