

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031119\  
 Data File : BG039853.D  
 Acq On : 11 Mar 2019 22:26  
 Operator : JU/SJ  
 Sample : K1837-13  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-MH-05-COMP

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
 Title : ASP BNA STANDARDS FOR 5 POINT 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         | 3.206       | 14            | 20          | 29           | rBV      | 72670          | 139230        | 4.88%           | 0.874%        |
| 2         | 3.282       | 29            | 33          | 40           | rVB      | 47382          | 67873         | 2.38%           | 0.426%        |
| 3         | 5.697       | 437           | 444         | 457          | rVB      | 776068         | 1237861       | 43.43%          | 7.775%        |
| 4         | 7.300       | 708           | 717         | 732          | rBV      | 828712         | 1487767       | 52.20%          | 9.344%        |
| 5         | 7.682       | 774           | 782         | 792          | rBV      | 769362         | 1306419       | 45.83%          | 8.205%        |
| 6         | 8.152       | 856           | 862         | 874          | rVB      | 128304         | 219768        | 7.71%           | 1.380%        |
| 7         | 8.475       | 910           | 917         | 926          | rVB      | 505471         | 867960        | 30.45%          | 5.451%        |
| 8         | 9.333       | 1053          | 1063        | 1072         | rBV      | 464161         | 832883        | 29.22%          | 5.231%        |
| 9         | 10.978      | 1336          | 1343        | 1351         | rVB      | 177070         | 318898        | 11.19%          | 2.003%        |
| 10        | 13.404      | 1748          | 1756        | 1766         | rBV      | 1111019        | 1718617       | 60.29%          | 10.794%       |
| 11        | 14.221      | 1889          | 1895        | 1901         | rBV      | 86747          | 123818        | 4.34%           | 0.778%        |
| 12        | 14.779      | 1983          | 1990        | 1999         | rBV2     | 310233         | 499440        | 17.52%          | 3.137%        |
| 13        | 16.265      | 2236          | 2243        | 2256         | rBV      | 1126184        | 1698085       | 59.57%          | 10.665%       |
| 14        | 17.522      | 2450          | 2457        | 2467         | rBV      | 441072         | 677623        | 23.77%          | 4.256%        |
| 15        | 18.374      | 2597          | 2602        | 2609         | rBV2     | 44044          | 70417         | 2.47%           | 0.442%        |
| 16        | 20.118      | 2893          | 2899        | 2908         | rVB      | 2070908        | 2850393       | 100.00%         | 17.903%       |
| 17        | 21.399      | 3112          | 3117        | 3130         | rBV3     | 31093          | 72733         | 2.55%           | 0.457%        |
| 18        | 21.810      | 3179          | 3187        | 3194         | rBV2     | 464669         | 792901        | 27.82%          | 4.980%        |
| 19        | 23.302      | 3433          | 3441        | 3449         | rBV4     | 45735          | 96906         | 3.40%           | 0.609%        |
| 20        | 24.131      | 3575          | 3582        | 3589         | rBV3     | 18191          | 42798         | 1.50%           | 0.269%        |
| 21        | 25.182      | 3745          | 3761        | 3777         | rVB2     | 242523         | 767303        | 26.92%          | 4.819%        |
| 22        | 26.304      | 3947          | 3952        | 3962         | rVB7     | 12524          | 31953         | 1.12%           | 0.201%        |

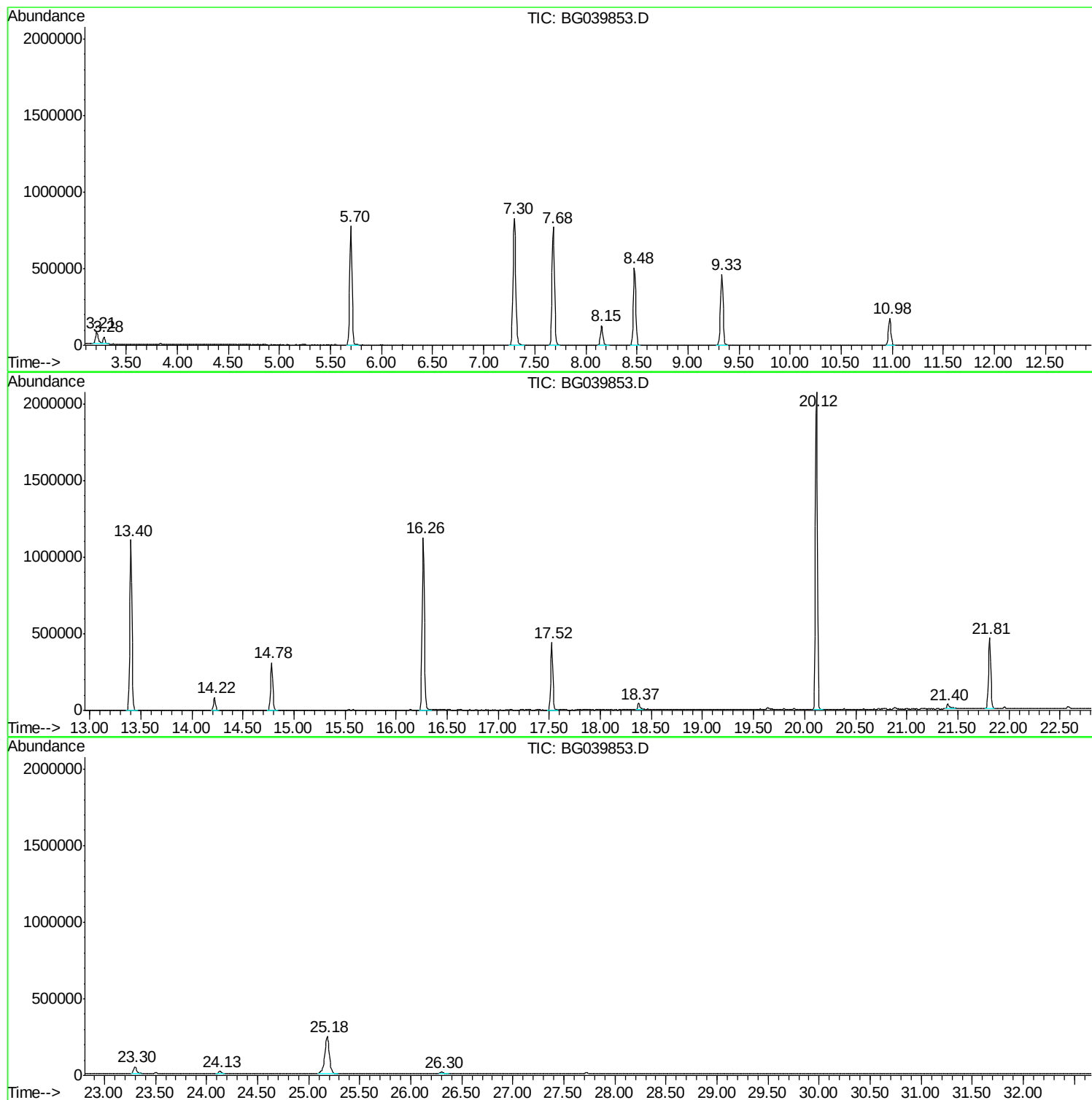
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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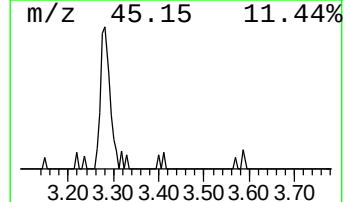
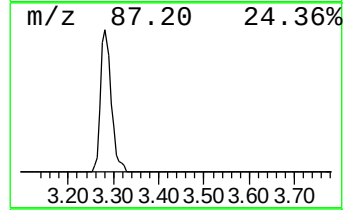
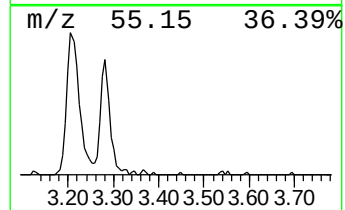
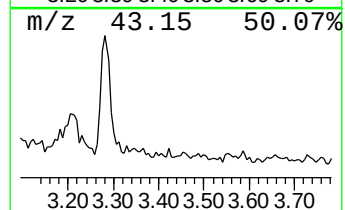
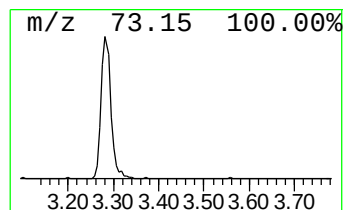
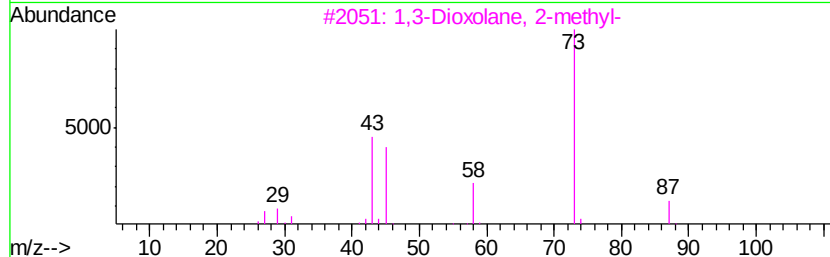
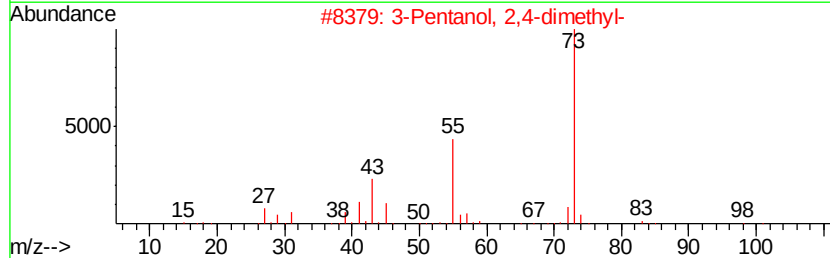
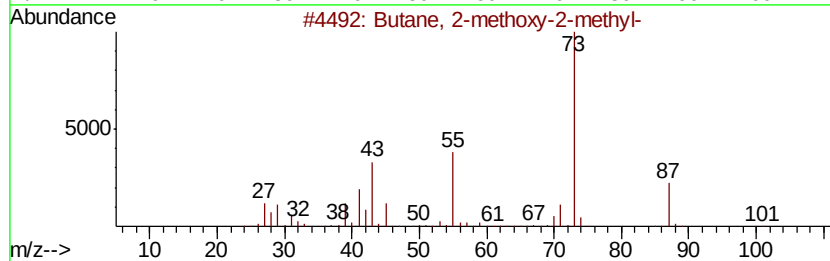
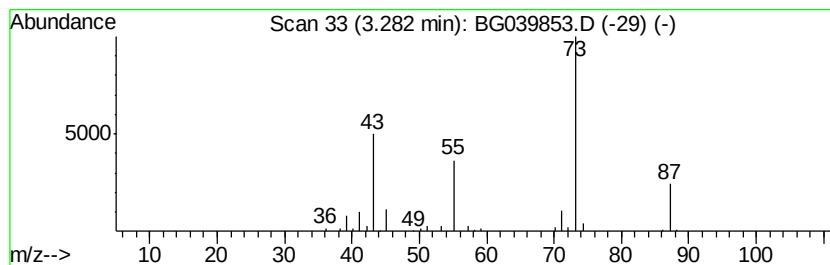
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 3.28 | 6.18 ng | 67873 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 56   |
| 2    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 25   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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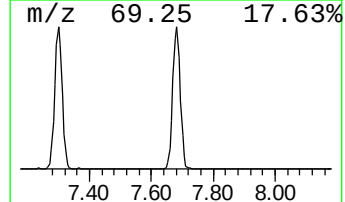
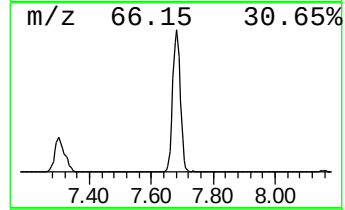
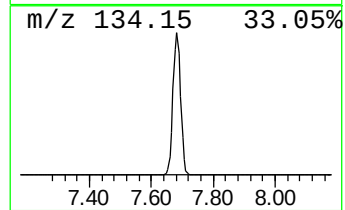
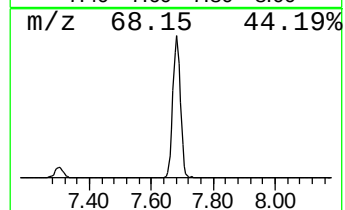
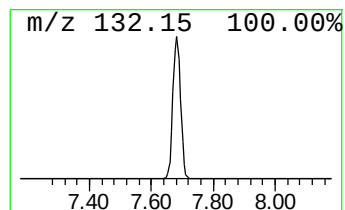
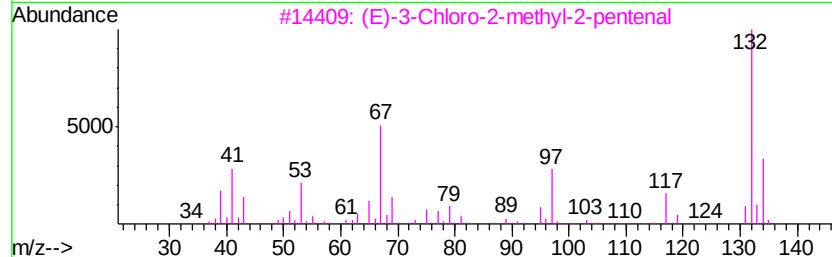
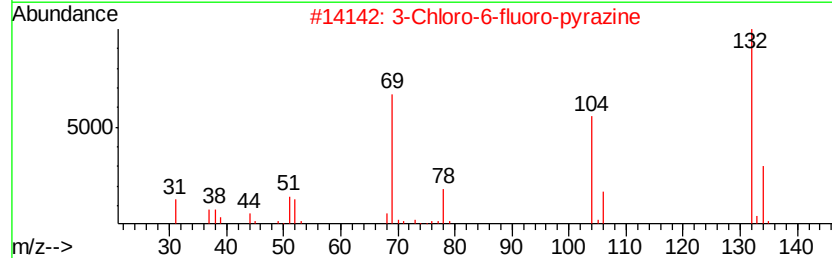
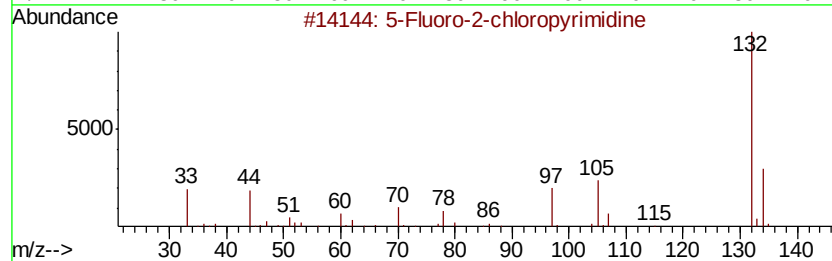
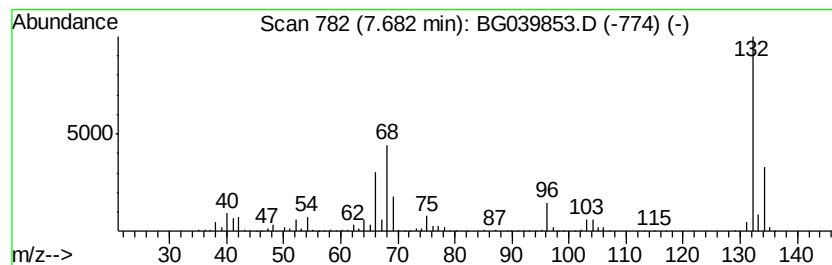
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
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Peak Number 3 unknown7.68 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.68 | 118.89 ng | 1306420 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |



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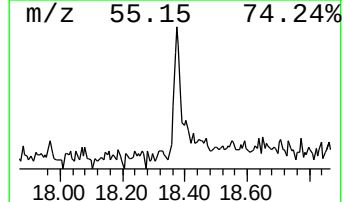
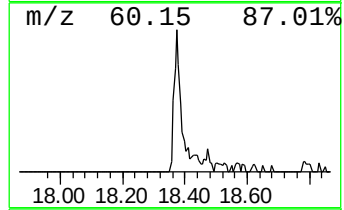
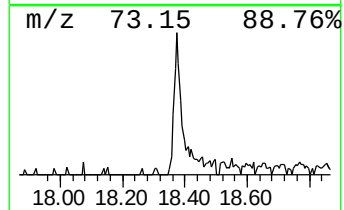
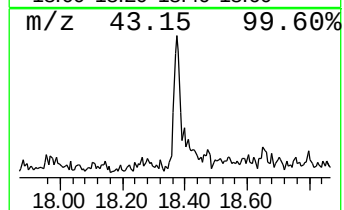
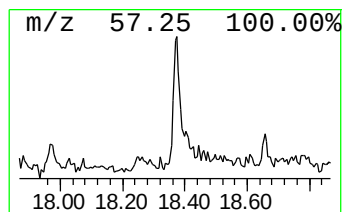
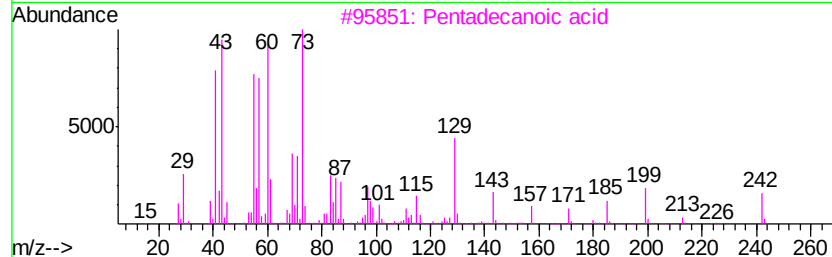
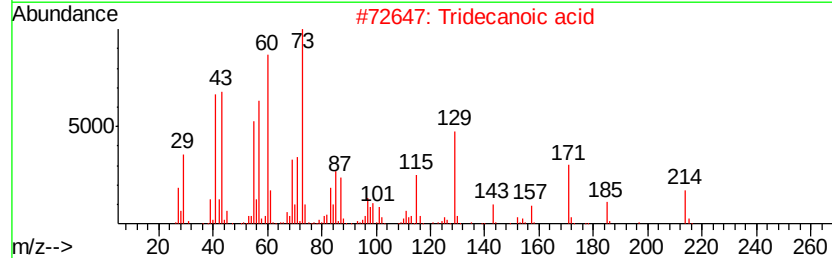
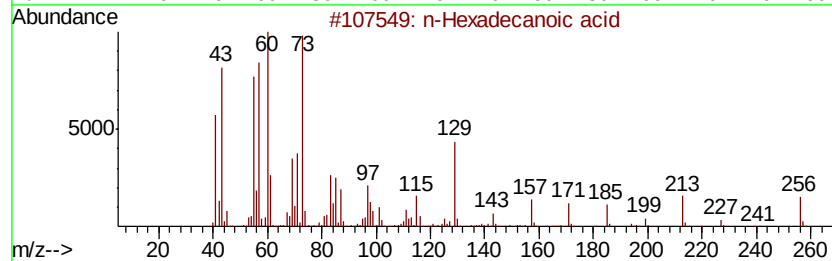
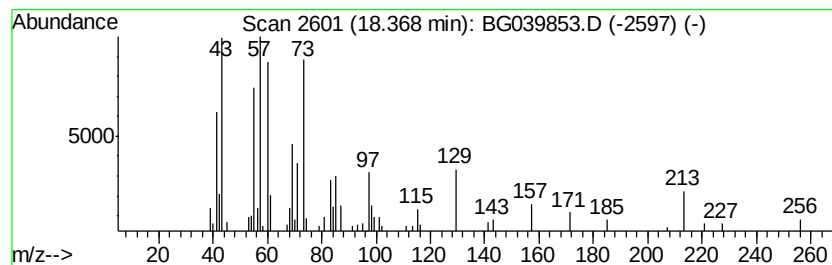
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 18.37 | 2.08 ng | 70417 | Phenanthrene-d10 | 17.52 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------|-----|------------|-------------|------|
| 1       |   | n-Hexadecanoic acid            | 256 | C16H32O2   | 000057-10-3 | 95   |
| 2       |   | Tridecanoic acid               | 214 | C13H26O2   | 000638-53-9 | 86   |
| 3       |   | Pentadecanoic acid             | 242 | C15H30O2   | 001002-84-2 | 68   |
| 4       |   | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 59   |
| 5       |   | Tetradecanoic acid             | 228 | C14H28O2   | 000544-63-8 | 58   |



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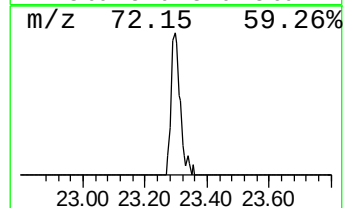
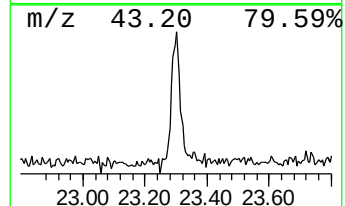
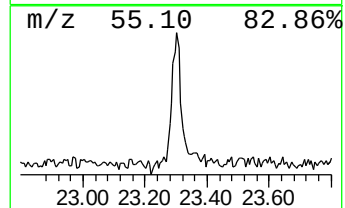
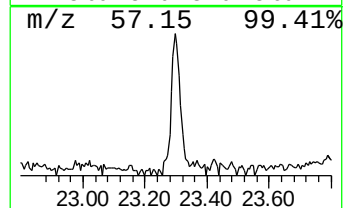
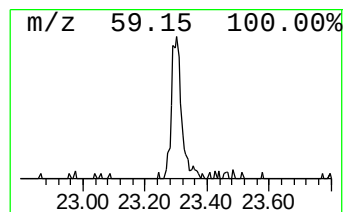
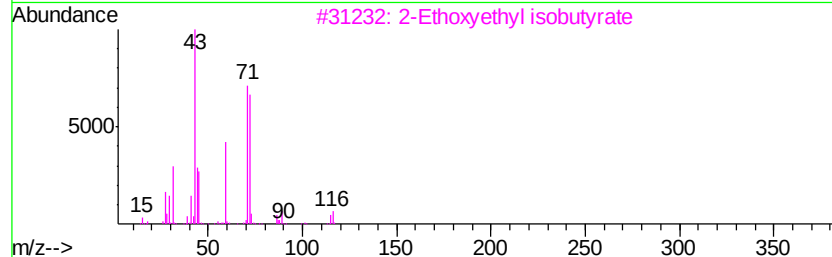
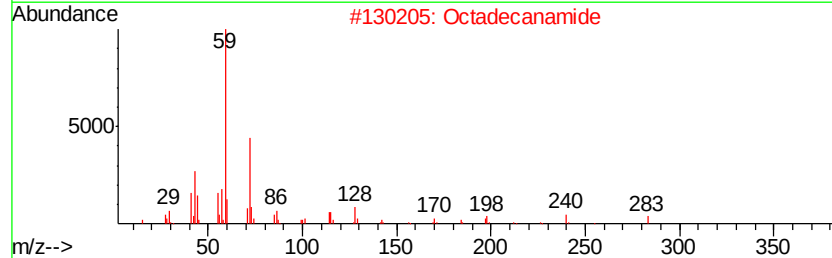
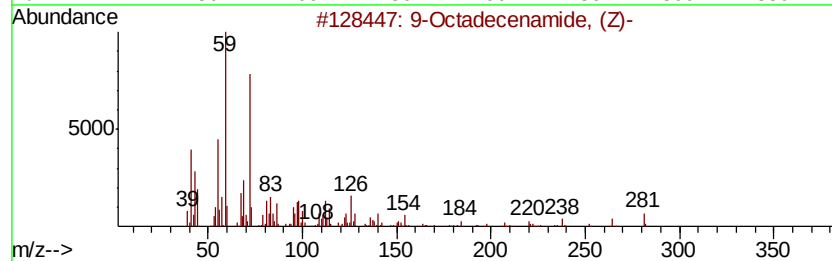
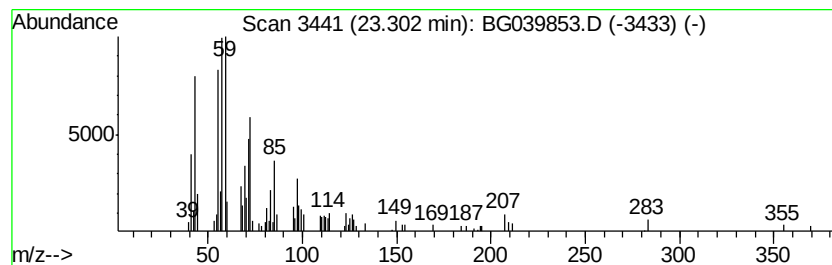
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 Peak Number 6 unknown23.30 Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.30 | 2.44 ng | 96906 | Chrysene-d12     | 21.81 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|---------|---|--------------------------------------|-----|-----------|--------------|------|
| 1       |   | 9-Octadecenamide, (Z)-               | 281 | C18H35NO  | 000301-02-0  | 49   |
| 2       |   | Octadecanamide                       | 283 | C18H37NO  | 000124-26-5  | 49   |
| 3       |   | 2-Ethoxyethyl isobutyrate            | 160 | C8H16O3   | 054396-97-3  | 27   |
| 4       |   | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1000309-12-5 | 18   |
| 5       |   | Sulfurous acid, butyl pentadecyl...  | 348 | C19H40O3S | 1000309-18-2 | 18   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.28  | 6.2     | ng    | 67873    | 1                     | 8.15  | 219768 | 20.0 |
| unknown7.68          | 7.68  | 118.9   | ng    | 1306420  | 1                     | 8.15  | 219768 | 20.0 |
| n-Hexadecanoic acid  | 18.37 | 2.1     | ng    | 70417    | 4                     | 17.52 | 677623 | 20.0 |
| unknown23.30         | 23.30 | 2.4     | ng    | 96906    | 5                     | 21.81 | 792901 | 20.0 |