

Data Path : U:\HPCHEM1\BNA G\DATA\BG010418\  
 Data File : BG031917.D  
 Acq On : 4 Jan 2018 16:13  
 Operator : SJ/JU  
 Sample : J1025-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EPE-105-1(40-42)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % 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\_G\METHODS\8270-BG122117.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         | 3.420       | 16            | 22          | 33           | rVV2     | 41960          | 86086         | 1.85%           | 0.416%        |
| 2         | 5.699       | 405           | 410         | 418          | rVB      | 37415          | 63640         | 1.37%           | 0.307%        |
| 3         | 6.211       | 489           | 497         | 509          | rBV      | 708324         | 1222290       | 26.26%          | 5.902%        |
| 4         | 7.891       | 774           | 783         | 794          | rBV      | 722417         | 1375635       | 29.55%          | 6.643%        |
| 5         | 8.296       | 842           | 852         | 867          | rVB      | 738813         | 1385927       | 29.77%          | 6.693%        |
| 6         | 8.784       | 928           | 935         | 947          | rBV      | 136302         | 248200        | 5.33%           | 1.199%        |
| 7         | 9.119       | 984           | 992         | 1005         | rBV      | 527336         | 998898        | 21.46%          | 4.824%        |
| 8         | 9.983       | 1130          | 1139        | 1153         | rBB      | 414849         | 794339        | 17.06%          | 3.836%        |
| 9         | 11.669      | 1418          | 1426        | 1434         | rBV      | 192837         | 358304        | 7.70%           | 1.730%        |
| 10        | 14.048      | 1823          | 1831        | 1840         | rBV      | 1524402        | 2456009       | 52.76%          | 11.860%       |
| 11        | 14.842      | 1959          | 1966        | 1972         | rBV      | 95245          | 155162        | 3.33%           | 0.749%        |
| 12        | 15.417      | 2056          | 2064        | 2074         | rVB2     | 360245         | 618875        | 13.29%          | 2.988%        |
| 13        | 16.892      | 2307          | 2315        | 2325         | rBV      | 1657705        | 2641425       | 56.74%          | 12.755%       |
| 14        | 18.149      | 2522          | 2529        | 2537         | rBV2     | 611652         | 932673        | 20.04%          | 4.504%        |
| 15        | 18.966      | 2663          | 2668        | 2679         | rBV      | 124783         | 197135        | 4.23%           | 0.952%        |
| 16        | 20.200      | 2873          | 2878        | 2885         | rBV      | 91097          | 140003        | 3.01%           | 0.676%        |
| 17        | 20.688      | 2953          | 2961        | 2969         | rBV      | 3346699        | 4655025       | 100.00%         | 22.479%       |
| 18        | 22.033      | 3183          | 3190        | 3196         | rBV7     | 26038          | 47798         | 1.03%           | 0.231%        |
| 19        | 22.497      | 3261          | 3269        | 3277         | rBV2     | 632767         | 1190593       | 25.58%          | 5.749%        |
| 20        | 26.240      | 3892          | 3906        | 3919         | rBV2     | 333511         | 1140537       | 24.50%          | 5.508%        |

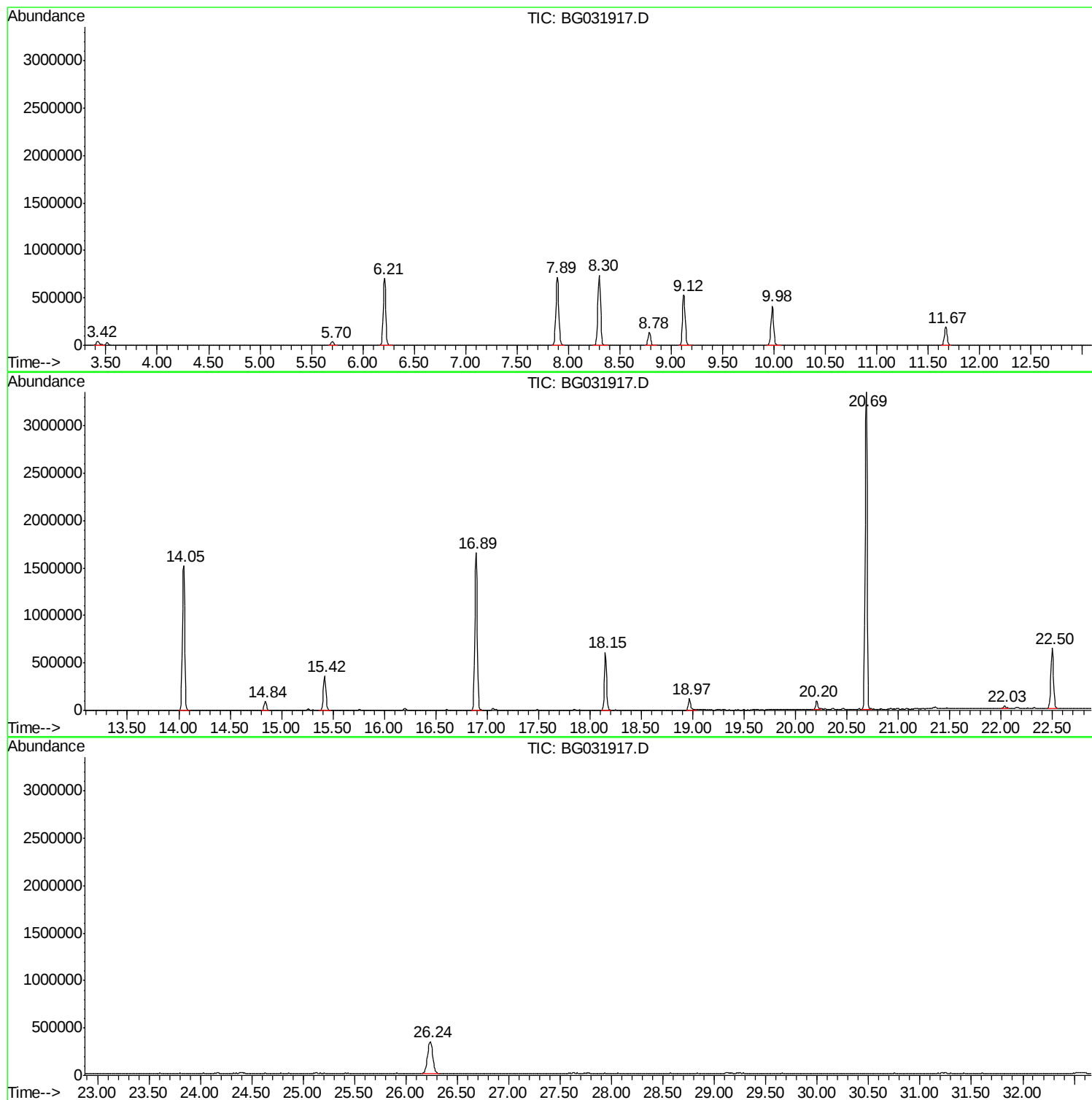
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BNA\_G  
ClientSampleId :  
EPE-105-1(40-42)

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.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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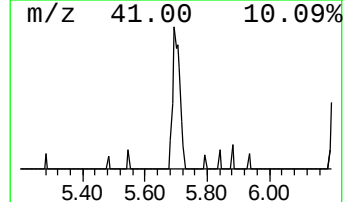
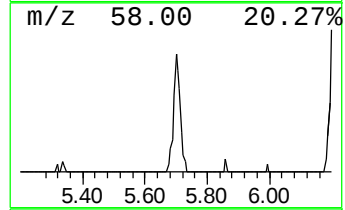
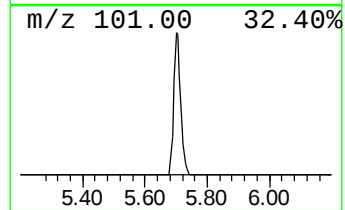
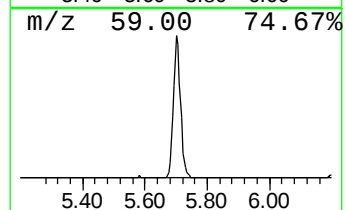
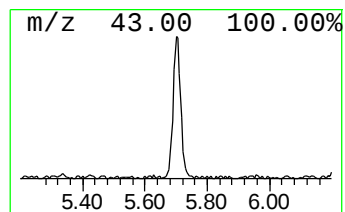
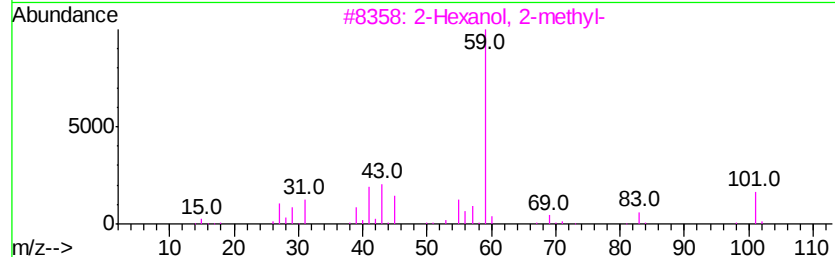
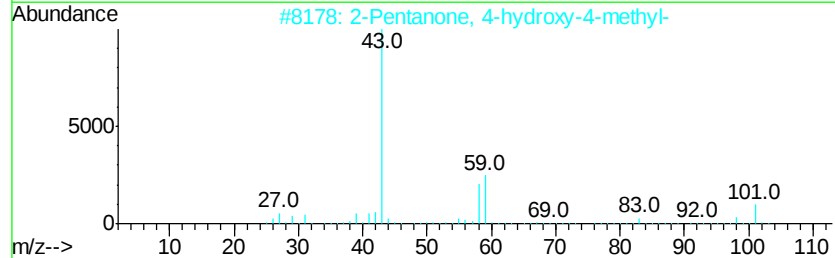
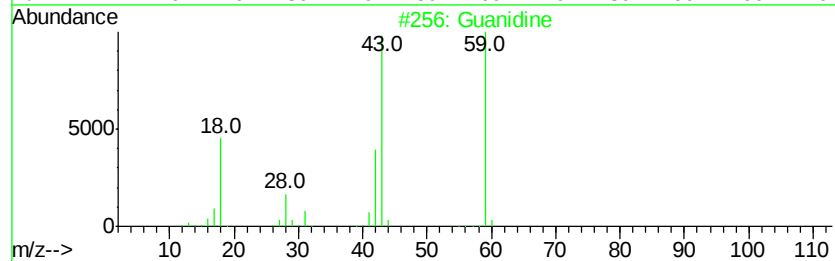
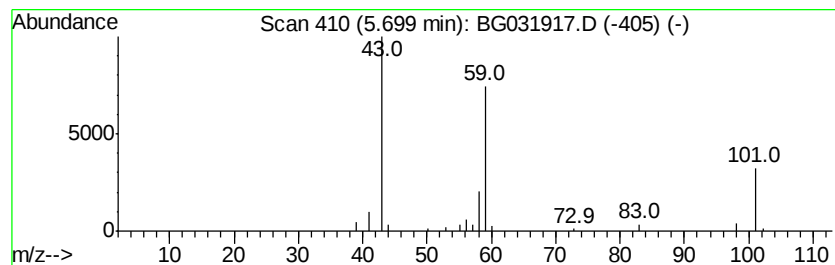
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown5.70 Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.70 | 5.13 ng | 63640 | 1,4-Dichlorobenzene-d4 | 8.78 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Guanidine                          | 59  | CH5N3   | 000113-00-8 | 47   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 45   |
| 3    |    | 2-Hexanol, 2-methyl-               | 116 | C7H16O  | 000625-23-0 | 40   |
| 4    |    | Butyl aldoxime, 3-methyl-, syn-    | 101 | C5H11NO | 005780-40-5 | 23   |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7N02 | 016504-58-8 | 16   |



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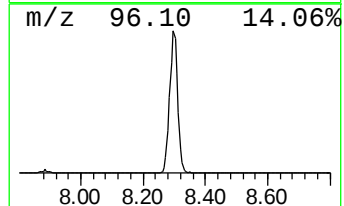
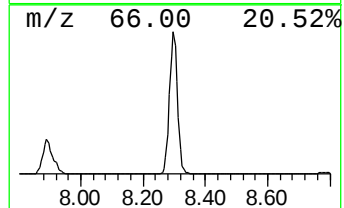
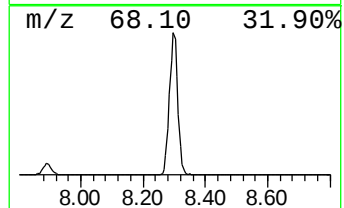
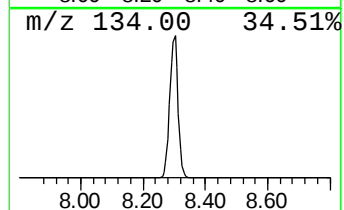
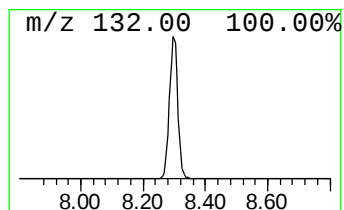
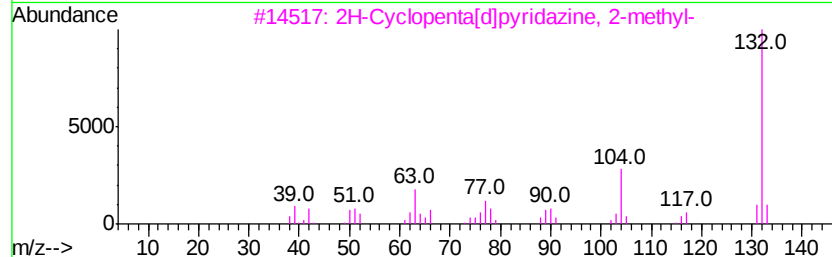
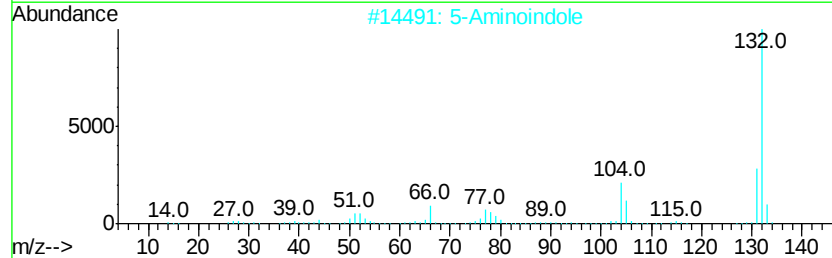
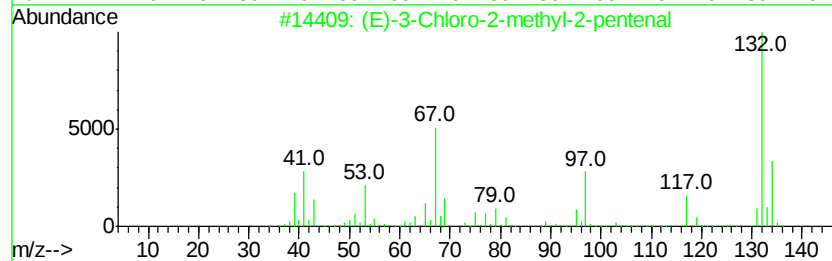
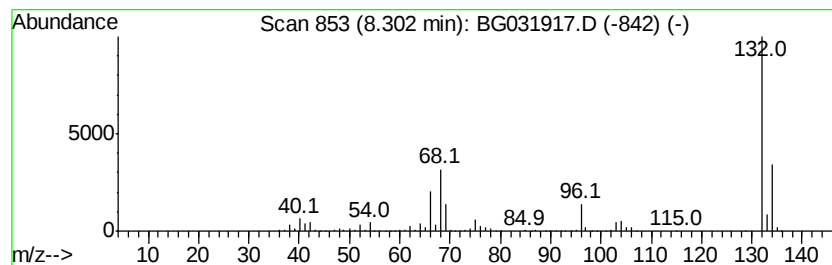
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Peak Number 3 unknown8.30 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 8.30 | 111.68 ng | 1385930 | 1,4-Dichlorobenzene-d4 | 8.78 |

| Hit# of | 5                                   | Tentative ID | MW        | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|-----------|-------------|------|------|
| 1       | (E)-3-Chloro-2-methyl-2-pentenal    | 132          | C6H9ClO   | 031357-76-3 | 12   |      |
| 2       | 5-Aminoindole                       | 132          | C8H8N2    | 005192-03-0 | 10   |      |
| 3       | 2H-Cyclopenta[d]pyridazine, 2-me... | 132          | C8H8N2    | 022291-85-6 | 9    |      |
| 4       | 4-Chloro-2-fluoro-pyrimidine        | 132          | C4H2ClFN2 | 051422-00-5 | 9    |      |
| 5       | 5-Fluoro-2-chloropyrimidine         | 132          | C4H2ClFN2 | 062802-42-0 | 9    |      |



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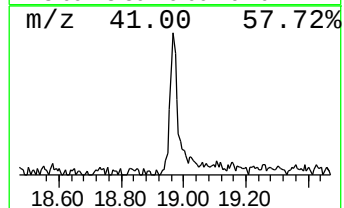
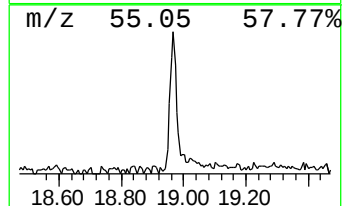
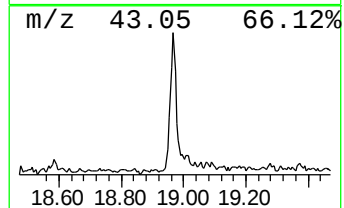
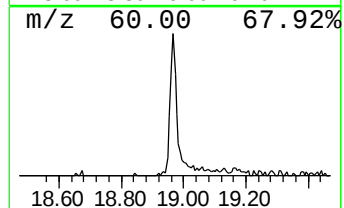
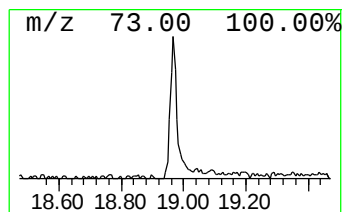
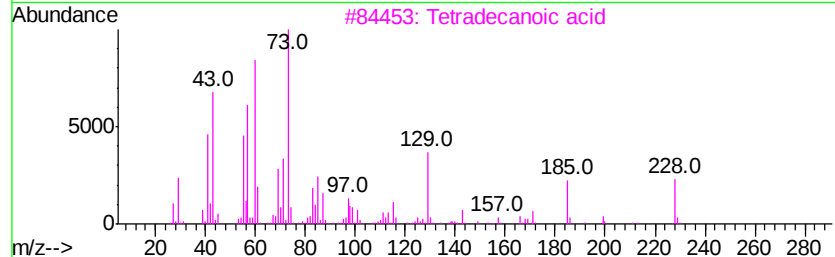
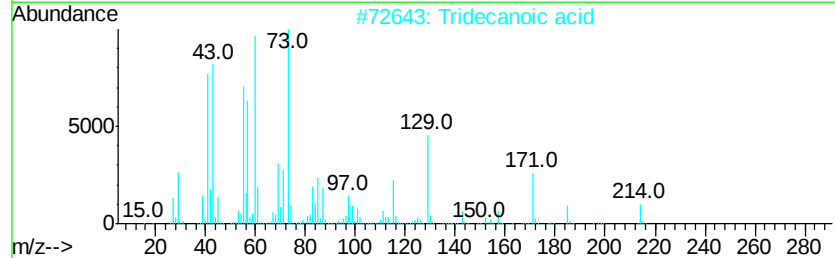
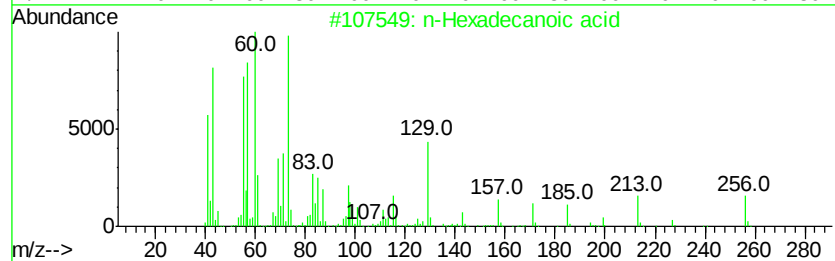
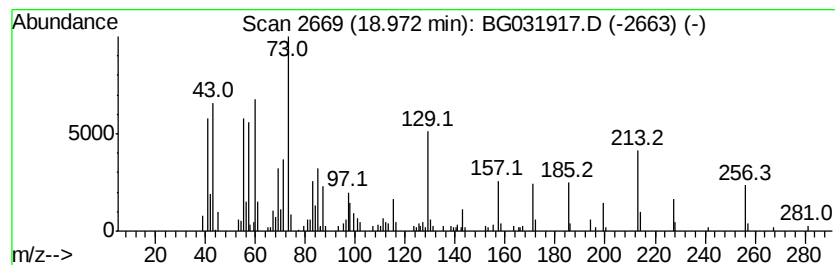
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.97 | 4.23 ng | 197135 | Phenanthrene-d10 | 18.15 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 92   |
| 4    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 60   |
| 5    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 50   |



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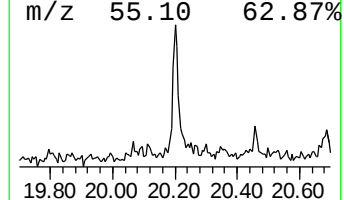
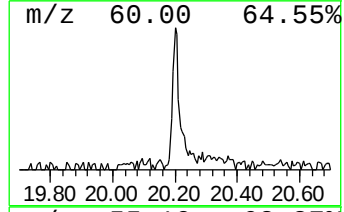
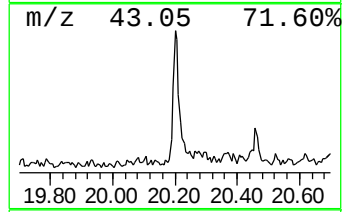
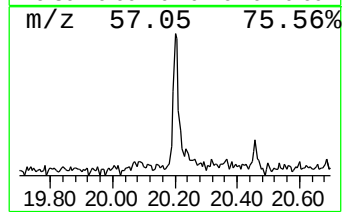
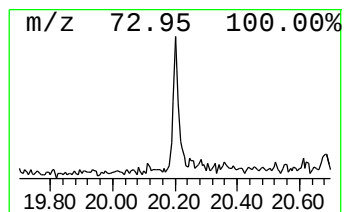
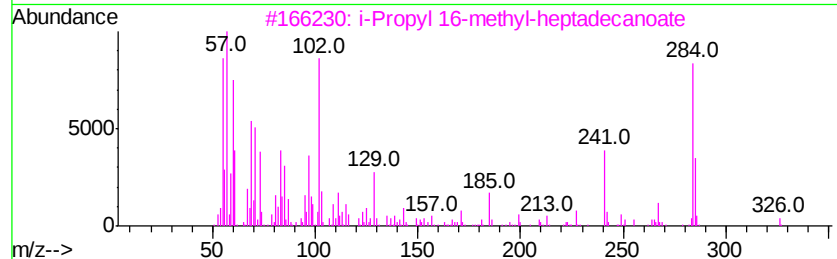
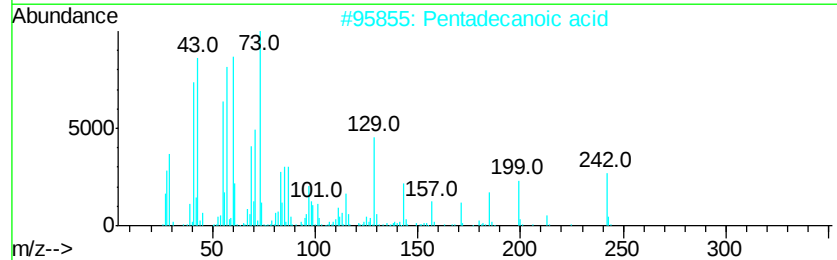
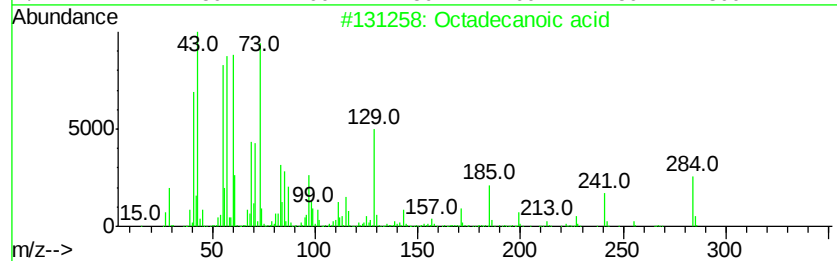
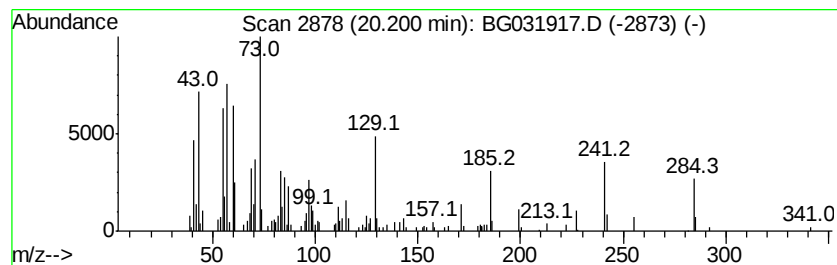
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Peak Number 6 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.20 | 3.00 ng | 140003 | Phenanthrene-d10 | 18.15 |

| Hit# of 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|-----------|-----------------------------------|-----|----------|--------------|------|
| 1         | Octadecanoic acid                 | 284 | C18H36O2 | 000057-11-4  | 99   |
| 2         | Pentadecanoic acid                | 242 | C15H30O2 | 001002-84-2  | 58   |
| 3         | i-Propyl 16-methyl-heptadecanoate | 326 | C21H42O2 | 1000336-66-3 | 52   |
| 4         | n-Decanoic acid                   | 172 | C10H20O2 | 000334-48-5  | 50   |
| 5         | Tetradecanoic acid                | 228 | C14H28O2 | 000544-63-8  | 49   |



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

| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown5.70         | 5.70  | 5.1     | ng    | 63640    | 1                     | 8.78  | 248200 | 20.0 |
| unknown8.30         | 8.30  | 111.7   | ng    | 1385930  | 1                     | 8.78  | 248200 | 20.0 |
| n-Hexadecanoic acid | 18.97 | 4.2     | ng    | 197135   | 4                     | 18.15 | 932673 | 20.0 |
| Octadecanoic acid   | 20.20 | 3.0     | ng    | 140003   | 4                     | 18.15 | 932673 | 20.0 |