

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\  
 Data File : BF094715.D  
 Acq On : 30 Apr 2017 15:31  
 Operator : SJ/MA  
 Sample : I2873-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRAC-TANK-A1841DW

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\_F\METHODS\8270-BF041717.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         | 3.913       | 333           | 336         | 345          | rBV      | 134127         | 150715        | 4.08%           | 0.648%        |
| 2         | 4.313       | 401           | 404         | 427          | rBV      | 1011888        | 1177975       | 31.88%          | 5.068%        |
| 3         | 5.384       | 583           | 586         | 602          | rBV      | 697430         | 732240        | 19.82%          | 3.150%        |
| 4         | 5.513       | 604           | 608         | 617          | rBV      | 2209735        | 2218447       | 60.03%          | 9.545%        |
| 5         | 5.760       | 647           | 650         | 656          | rBV      | 636772         | 611784        | 16.56%          | 2.632%        |
| 6         | 5.943       | 676           | 681         | 684          | rBV      | 2327080        | 2148355       | 58.14%          | 9.243%        |
| 7         | 6.413       | 756           | 761         | 764          | rBV      | 1640360        | 1726108       | 46.71%          | 7.427%        |
| 8         | 7.013       | 858           | 863         | 870          | rBV3     | 15909          | 40285         | 1.09%           | 0.173%        |
| 9         | 7.254       | 900           | 904         | 918          | rVB      | 918296         | 858660        | 23.24%          | 3.694%        |
| 10        | 8.578       | 1124          | 1129        | 1133         | rBV      | 3239814        | 3541358       | 95.83%          | 15.237%       |
| 11        | 9.084       | 1211          | 1215        | 1222         | rBV      | 101259         | 93357         | 2.53%           | 0.402%        |
| 12        | 9.389       | 1263          | 1267        | 1275         | rBV2     | 965144         | 972770        | 26.32%          | 4.185%        |
| 13        | 10.372      | 1429          | 1434        | 1446         | rBV      | 1816823        | 1979430       | 53.57%          | 8.517%        |
| 14        | 11.213      | 1573          | 1577        | 1581         | rBV      | 1026658        | 978235        | 26.47%          | 4.209%        |
| 15        | 11.948      | 1699          | 1702        | 1712         | rBV2     | 177151         | 217794        | 5.89%           | 0.937%        |
| 16        | 12.924      | 1863          | 1868        | 1883         | rBV      | 423694         | 514222        | 13.92%          | 2.212%        |
| 17        | 13.195      | 1908          | 1914        | 1918         | rBV      | 2883229        | 3695326       | 100.00%         | 15.899%       |
| 18        | 14.466      | 2125          | 2130        | 2135         | rBV      | 825287         | 881722        | 23.86%          | 3.794%        |
| 19        | 14.513      | 2135          | 2138        | 2144         | rVB      | 67322          | 76955         | 2.08%           | 0.331%        |
| 20        | 16.089      | 2402          | 2406        | 2415         | rBV      | 514418         | 626491        | 16.95%          | 2.695%        |

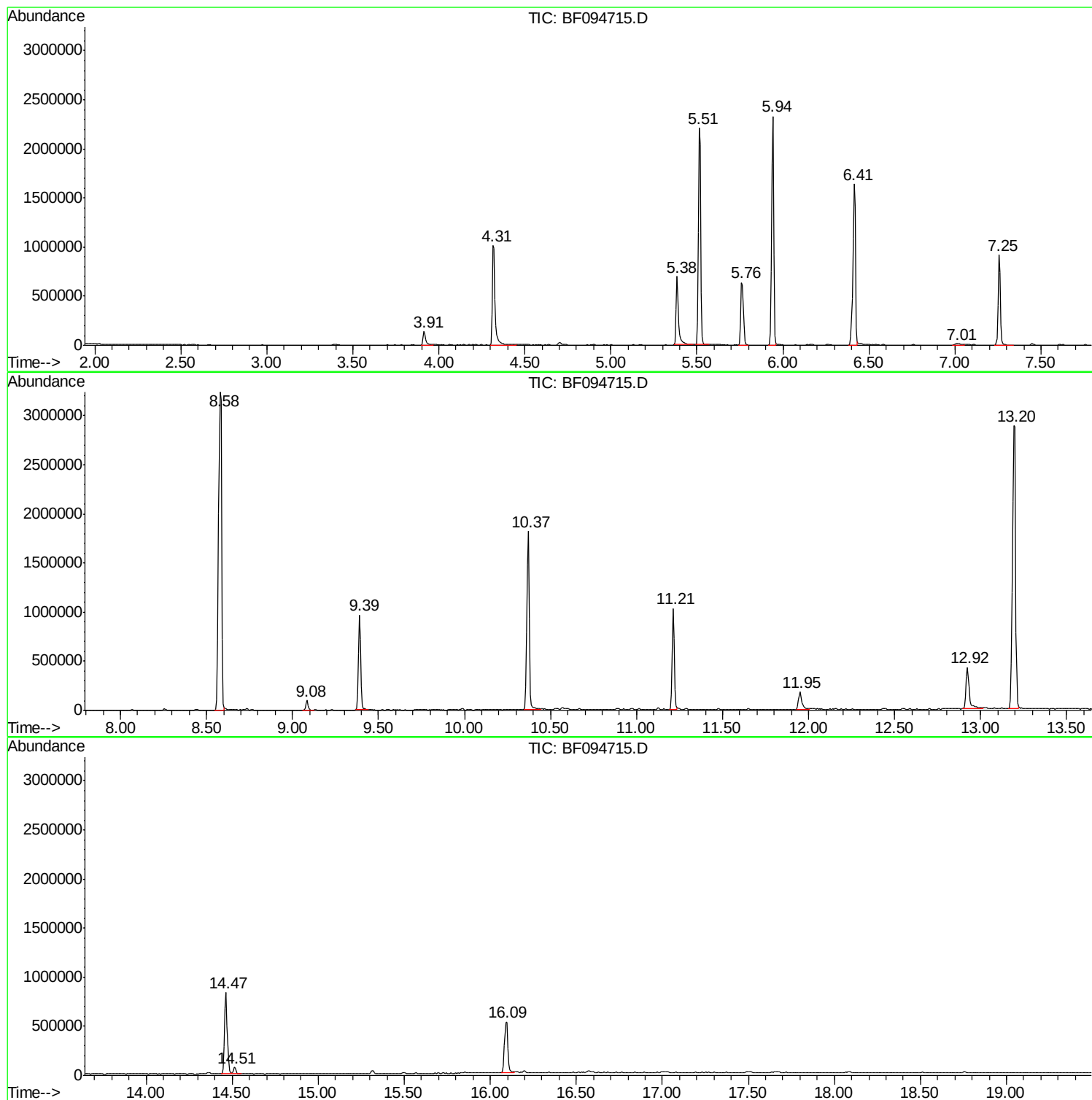
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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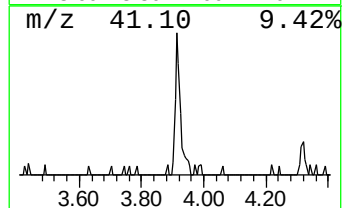
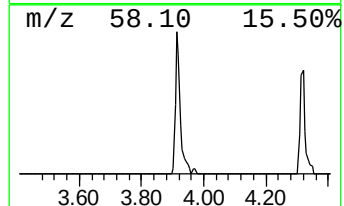
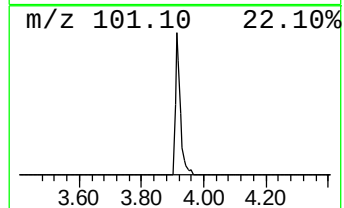
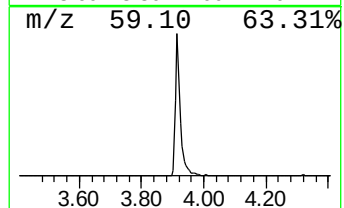
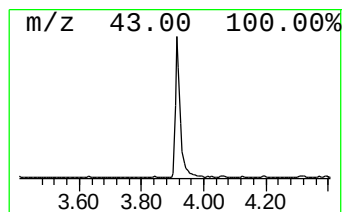
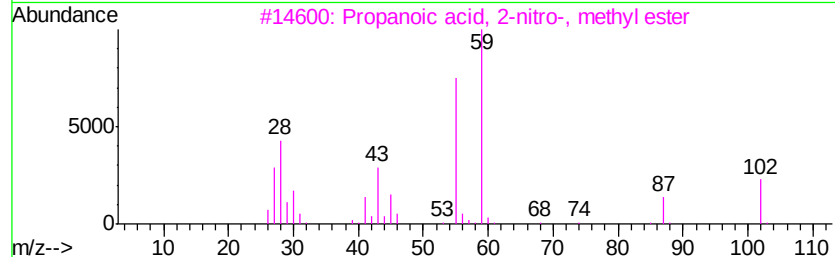
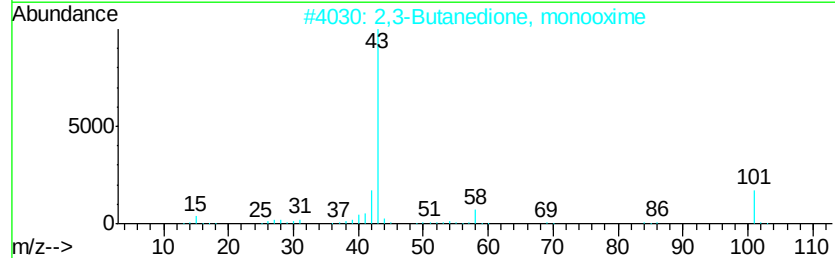
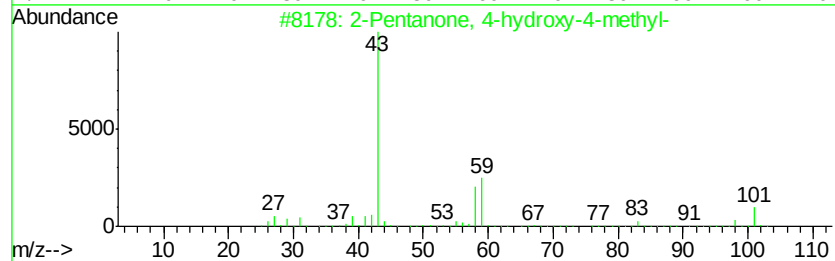
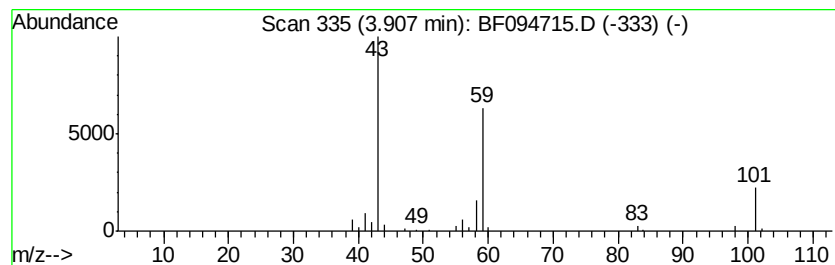
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.91 | 4.93 ng | 150715 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 3    |    |   | Propanoic acid, 2-nitro-, methyl... | 133 | C4H7NO4 | 006118-50-9 | 9    |
| 4    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 9    |
| 5    |    |   | 3-Octanol                           | 130 | C8H18O  | 000589-98-0 | 9    |



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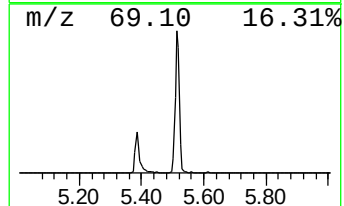
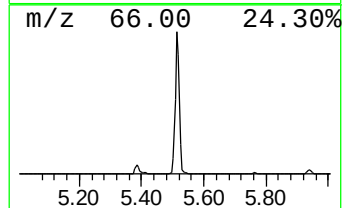
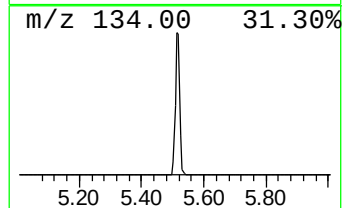
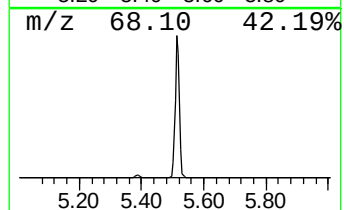
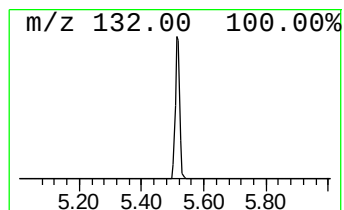
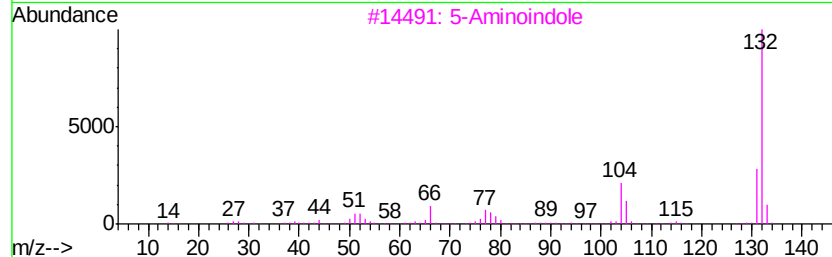
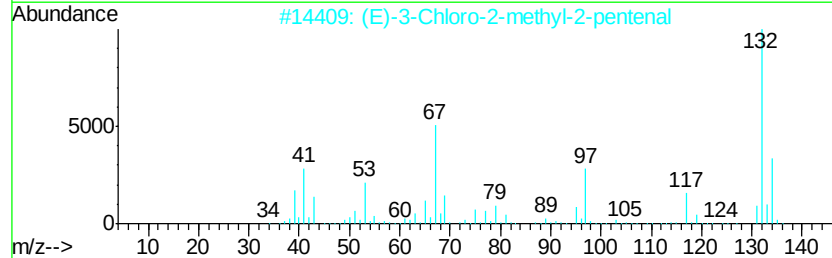
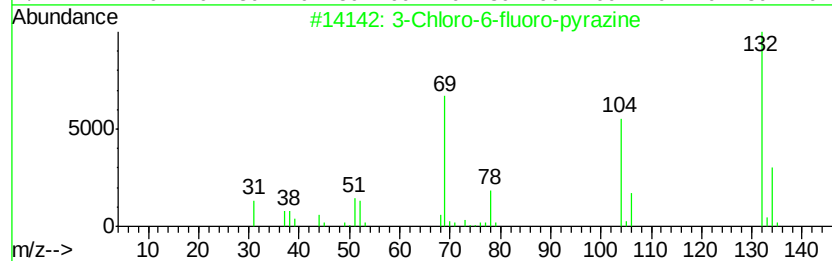
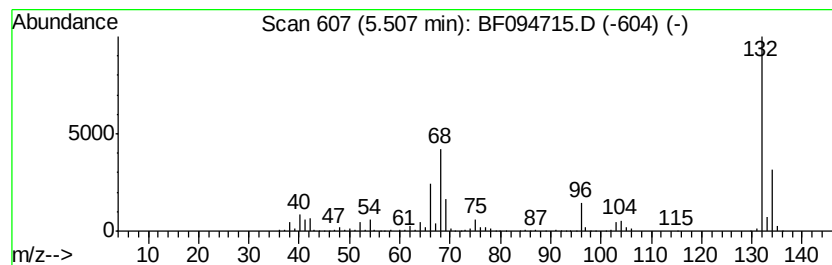
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Peak Number 2 unknown5.51 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.51 | 72.52 ng | 2218450 | 1,4-Dichlorobenzene-d4 | 5.77 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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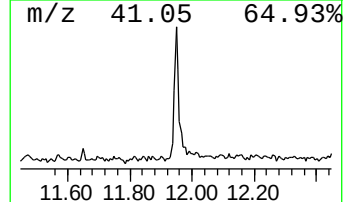
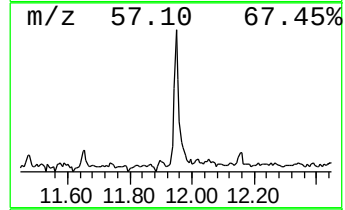
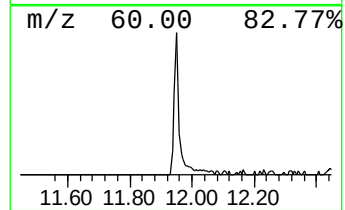
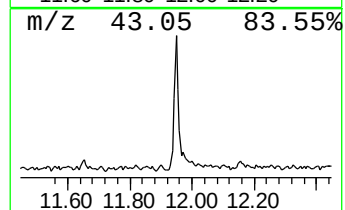
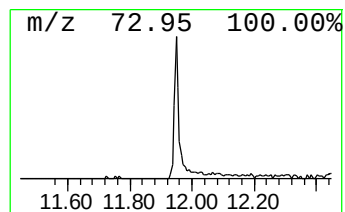
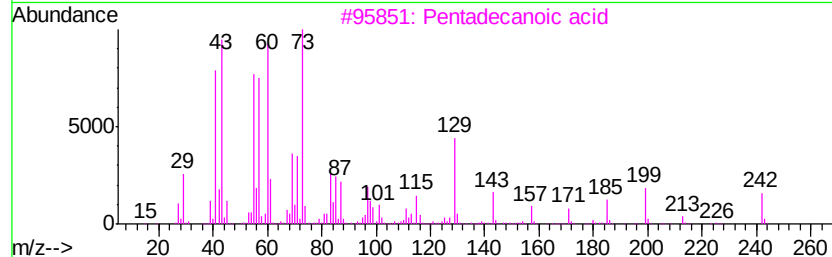
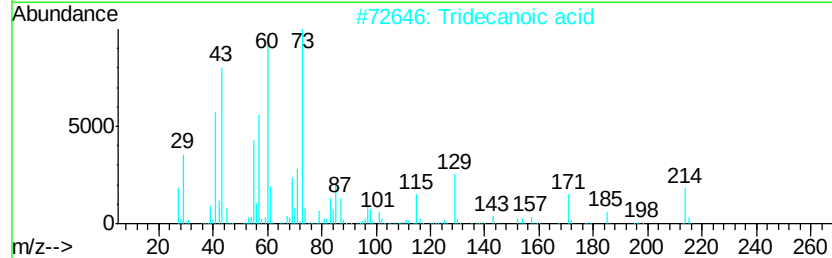
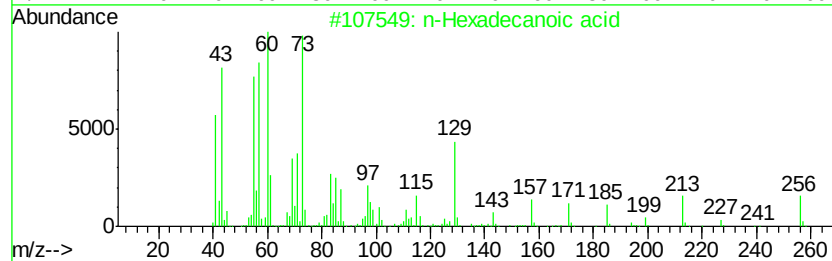
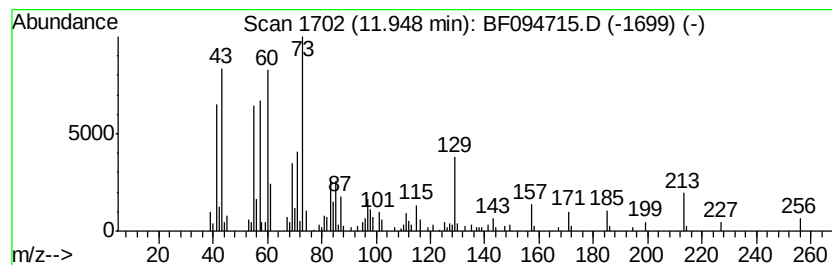
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.95 | 4.45 ng | 217794 | Phenanthrene-d10 | 11.21 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |
| 5    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 55   |



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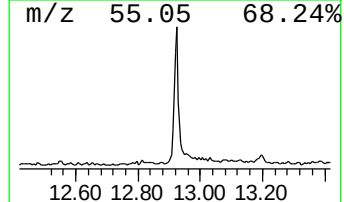
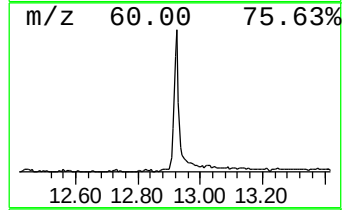
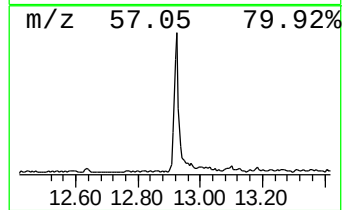
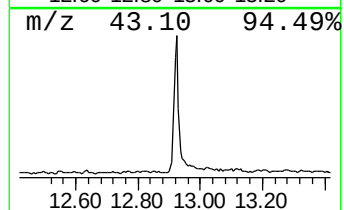
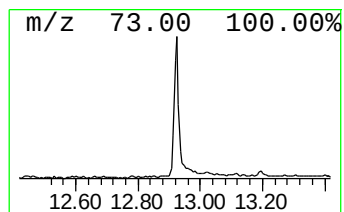
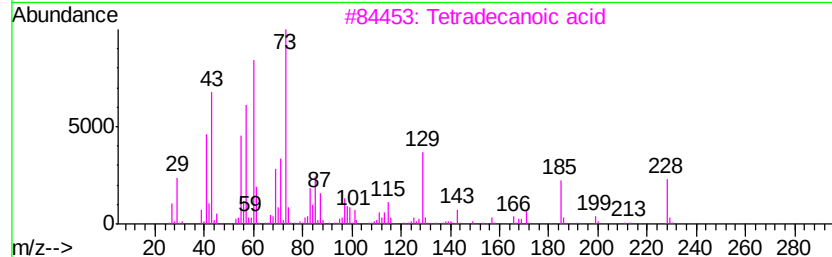
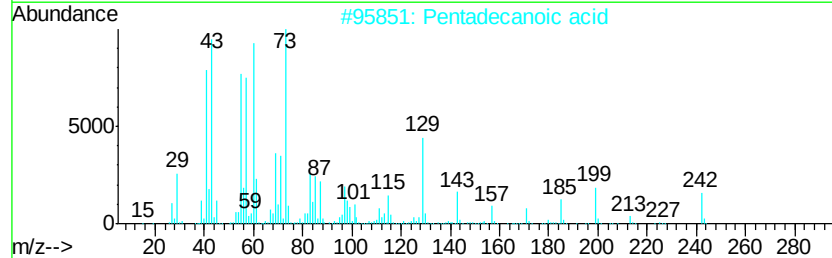
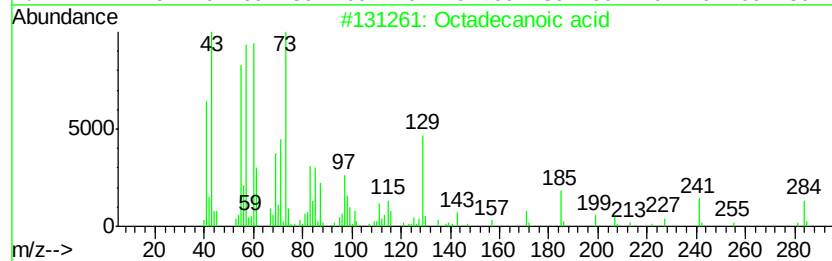
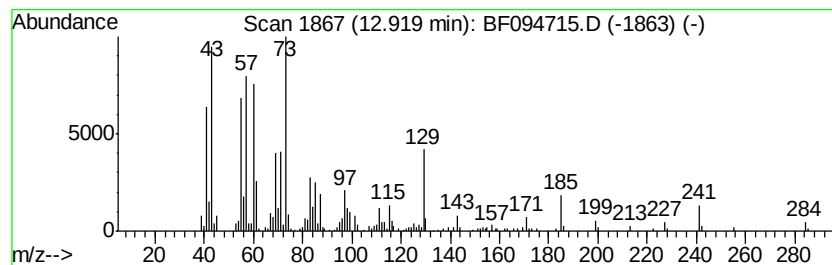
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Peak Number 5 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.92 | 11.66 ng | 514222 | Chrysene-d12     | 14.47 |

| 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 | 93   |
| 3       |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4       |   | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 72   |
| 5       |   | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5 | 70   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 3.91  | 4.9     | ng    | 150715   | 1                     | 5.77  | 611784 | 20.0 |
| unknown5.51          | 5.51  | 72.5    | ng    | 2218450  | 1                     | 5.77  | 611784 | 20.0 |
| n-Hexadecanoic acid  | 11.95 | 4.5     | ng    | 217794   | 4                     | 11.21 | 978235 | 20.0 |
| Octadecanoic acid    | 12.92 | 11.7    | ng    | 514222   | 5                     | 14.47 | 881722 | 20.0 |