

Data Path : Z:\HPCHEM1\BNA G\Data\BG062417\  
 Data File : BG027667.D  
 Acq On : 24 Jun 2017 20:08  
 Operator : SJ/JU  
 Sample : I3841-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VL-WWTP-003

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-BG062117.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         | 6.087       | 368           | 374         | 383          | rBV      | 126745         | 219347        | 9.17%           | 2.537%        |
| 2         | 7.644       | 631           | 639         | 652          | rBB      | 82541          | 150380        | 6.28%           | 1.739%        |
| 3         | 8.038       | 697           | 706         | 718          | rBB      | 258968         | 463982        | 19.39%          | 5.366%        |
| 4         | 8.502       | 778           | 785         | 797          | rBB      | 71283          | 135747        | 5.67%           | 1.570%        |
| 5         | 8.831       | 833           | 841         | 849          | rBV      | 299974         | 539318        | 22.54%          | 6.237%        |
| 6         | 9.671       | 974           | 984         | 992          | rBV      | 273963         | 525934        | 21.98%          | 6.083%        |
| 7         | 11.322      | 1257          | 1265        | 1273         | rBB2     | 102975         | 194696        | 8.14%           | 2.252%        |
| 8         | 13.714      | 1662          | 1672        | 1679         | rBV      | 822533         | 1319991       | 55.17%          | 15.266%       |
| 9         | 14.519      | 1803          | 1809        | 1815         | rBV      | 21166          | 30800         | 1.29%           | 0.356%        |
| 10        | 15.088      | 1899          | 1906        | 1913         | rBV2     | 172239         | 292423        | 12.22%          | 3.382%        |
| 11        | 16.152      | 2081          | 2087        | 2096         | rBV3     | 21318          | 49846         | 2.08%           | 0.576%        |
| 12        | 16.258      | 2100          | 2105        | 2113         | rVB5     | 14262          | 29992         | 1.25%           | 0.347%        |
| 13        | 16.569      | 2151          | 2158        | 2166         | rBV      | 495974         | 797237        | 33.32%          | 9.220%        |
| 14        | 17.838      | 2367          | 2374        | 2384         | rBV2     | 248703         | 399093        | 16.68%          | 4.616%        |
| 15        | 18.191      | 2425          | 2434        | 2438         | rBV2     | 18645          | 27174         | 1.14%           | 0.314%        |
| 16        | 18.672      | 2510          | 2516        | 2523         | rBV2     | 38059          | 63907         | 2.67%           | 0.739%        |
| 17        | 19.930      | 2726          | 2730        | 2738         | rBV6     | 17589          | 31413         | 1.31%           | 0.363%        |
| 18        | 20.412      | 2805          | 2812        | 2820         | rBV      | 1777264        | 2392736       | 100.00%         | 27.672%       |
| 19        | 21.763      | 3035          | 3042        | 3054         | rBV      | 15332          | 41347         | 1.73%           | 0.478%        |
| 20        | 22.204      | 3110          | 3117        | 3125         | rVB      | 245876         | 471053        | 19.69%          | 5.448%        |
| 21        | 22.821      | 3213          | 3222        | 3230         | rBV4     | 11863          | 40630         | 1.70%           | 0.470%        |
| 22        | 25.841      | 3723          | 3736        | 3751         | rVB2     | 128104         | 429615        | 17.95%          | 4.969%        |

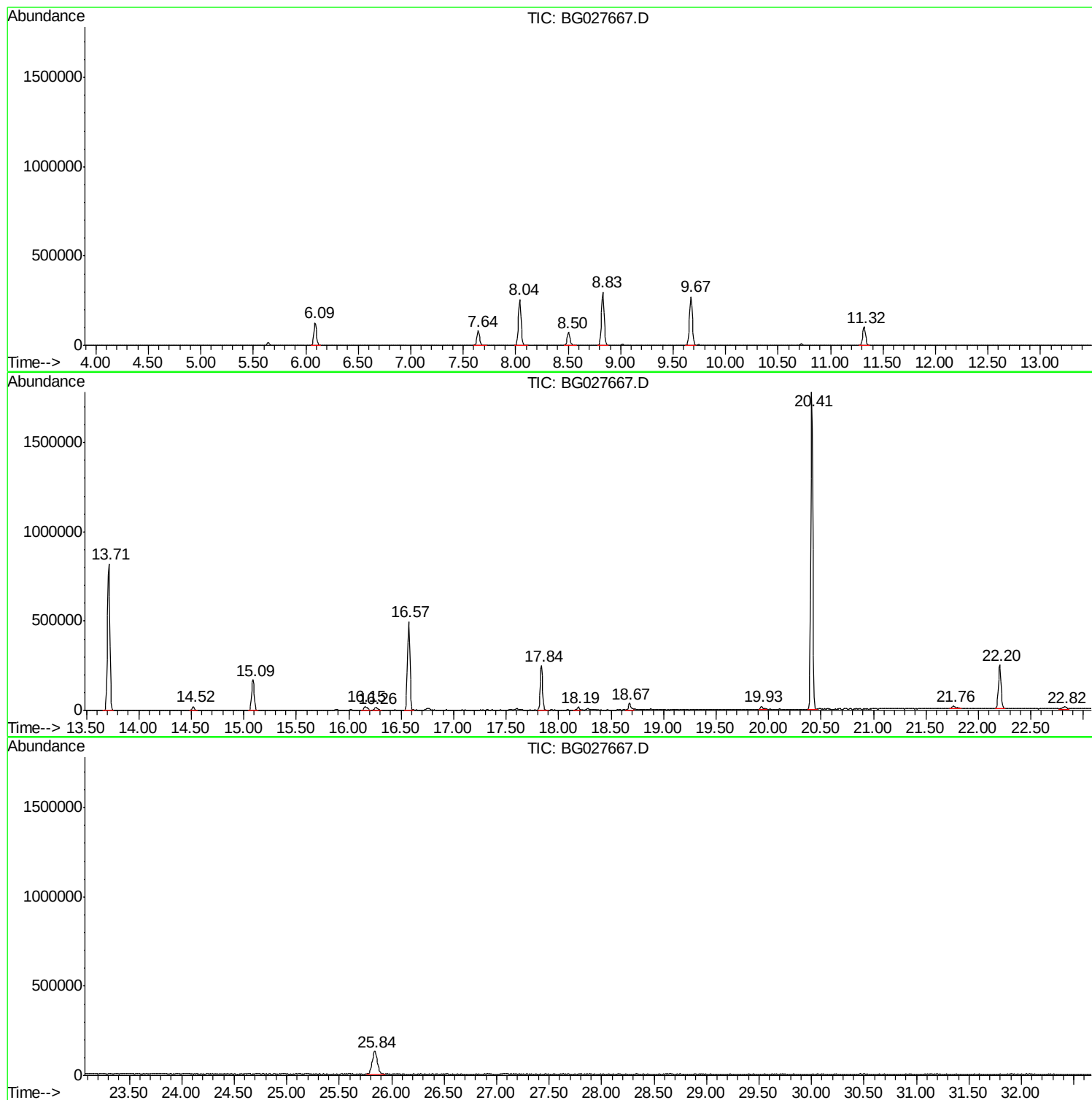
Sum of corrected areas: 8646661

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BNA\_G  
ClientSampleId :  
VL-WWTP-003

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.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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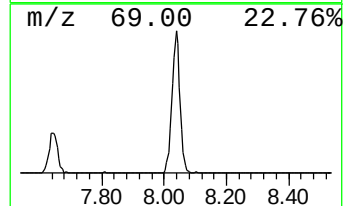
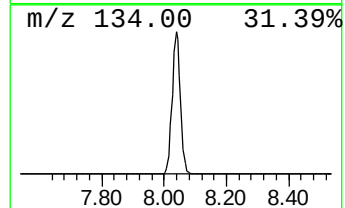
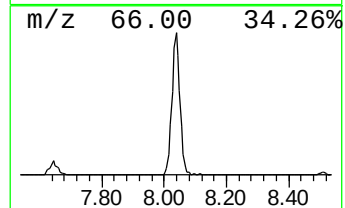
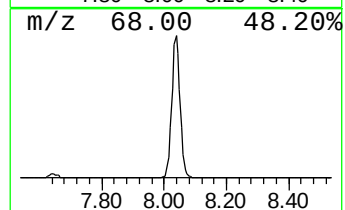
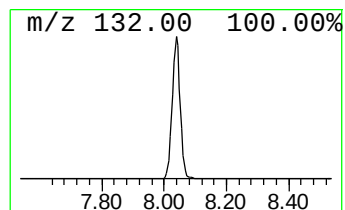
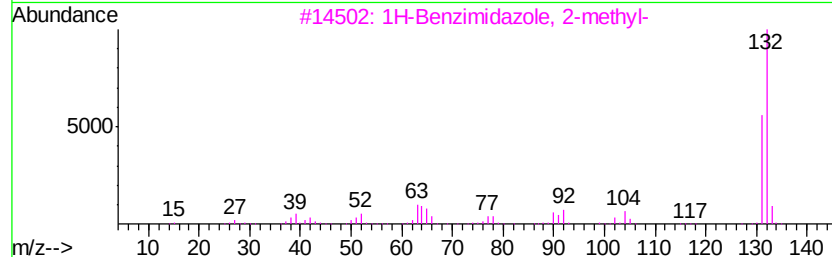
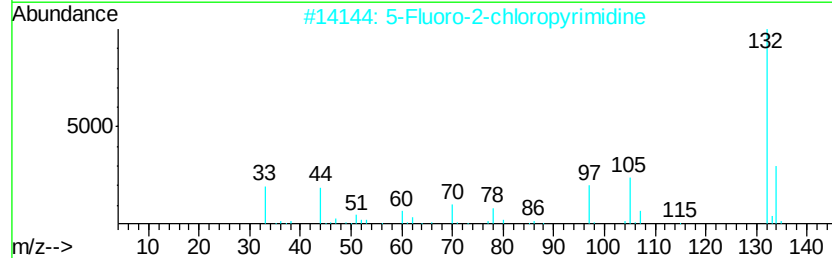
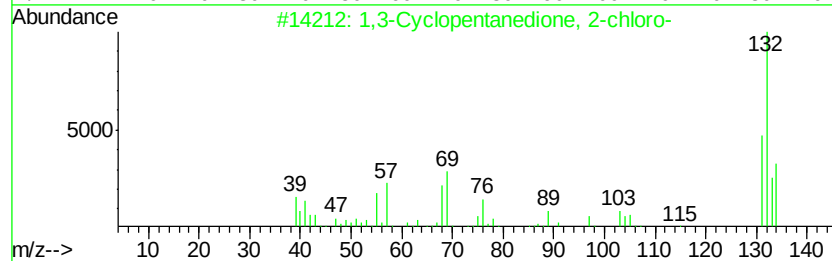
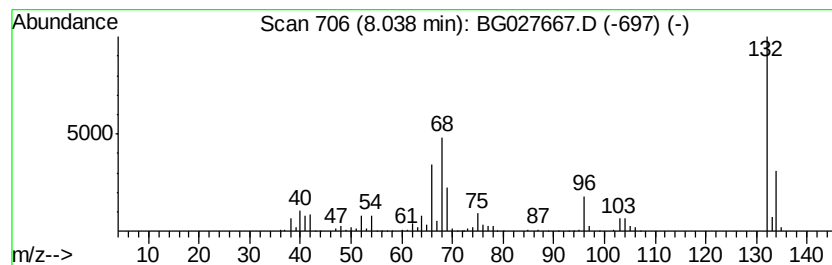
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown8.04 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.04 | 68.36 ng | 463982 | 1,4-Dichlorobenzene-d4 | 8.50 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 32   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | Cyclopropanamine, 1-phenyl-      | 133 | C9H11N    | 1000351-26-2 | 10   |



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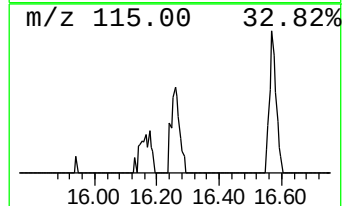
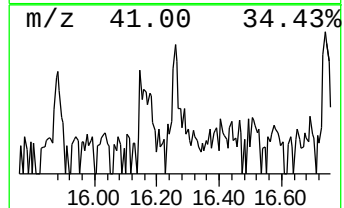
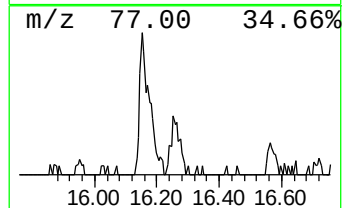
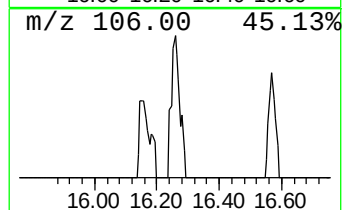
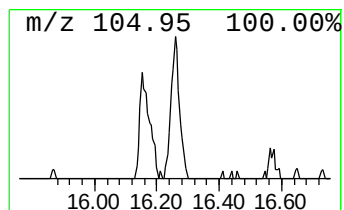
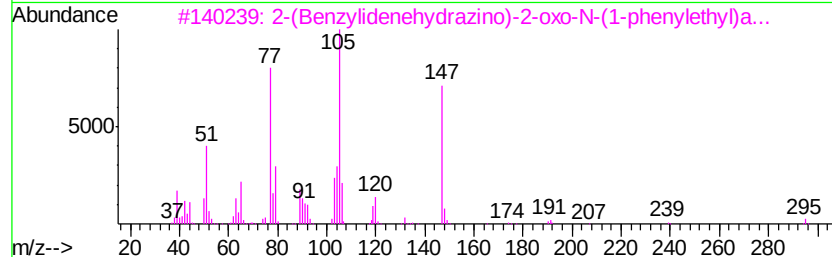
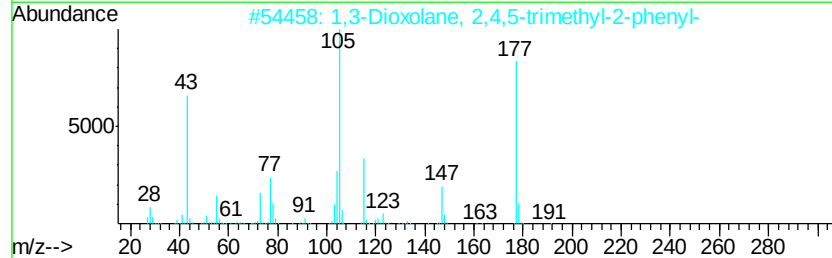
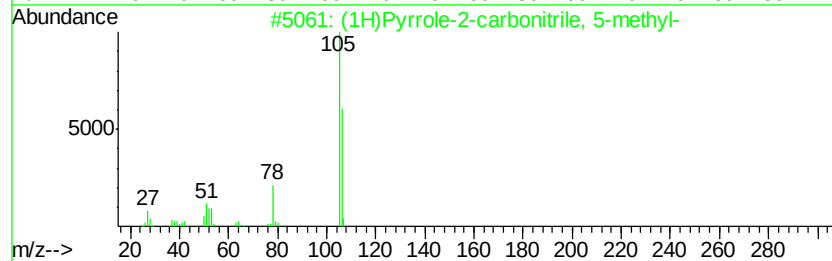
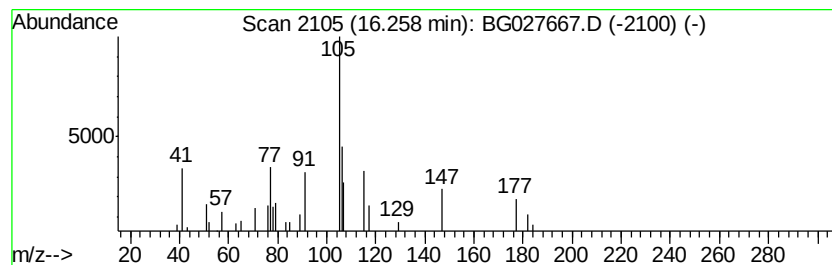
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Peak Number 4 unknown16.26 Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 16.26     | 2.05 ng                             | 29992 | Acenaphthene-d10 | 15.09       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | (1H)Pyrrole-2-carbonitrile, 5-me... | 106   | C6H6N2           | 026173-92-2 | 22   |
| 2         | 1,3-Dioxolane, 2,4,5-trimethyl-2... | 192   | C12H16O2         | 005413-61-6 | 12   |
| 3         | 2-(Benzylidenehydrazino)-2-oxo-N... | 295   | C17H17N3O2       | 098308-85-1 | 10   |
| 4         | Benzeneacetonitrile, .alpha.-hyd... | 133   | C8H7NO           | 000532-28-5 | 10   |
| 5         | (1H)Pyrrole-3-carbonitrile, 2-me... | 106   | C6H6N2           | 026187-27-9 | 9    |



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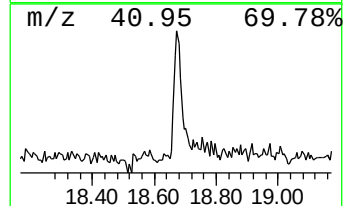
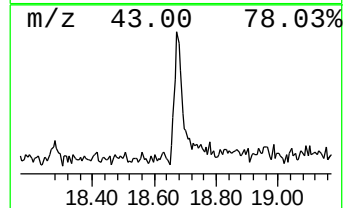
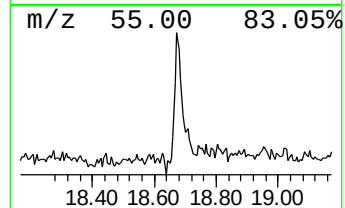
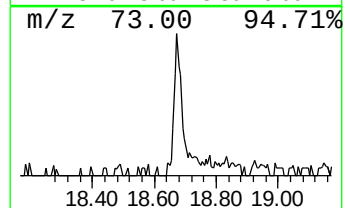
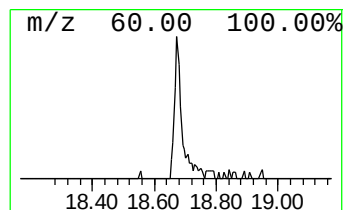
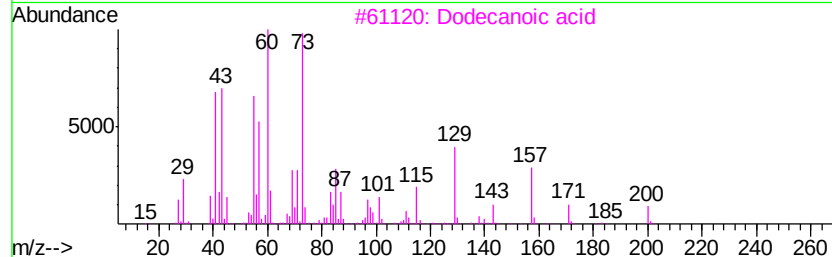
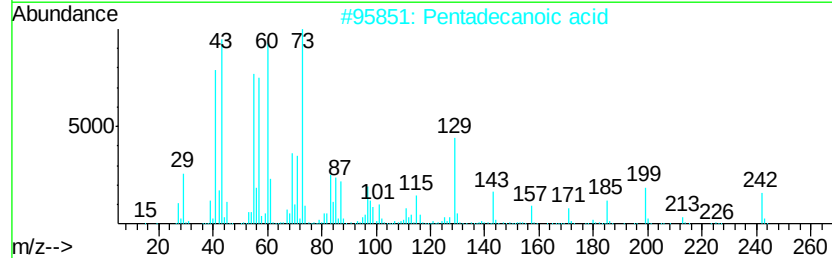
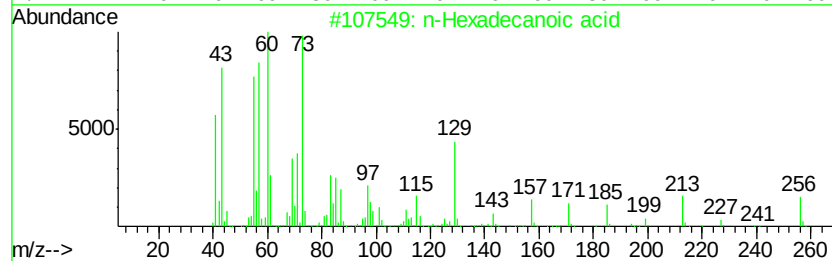
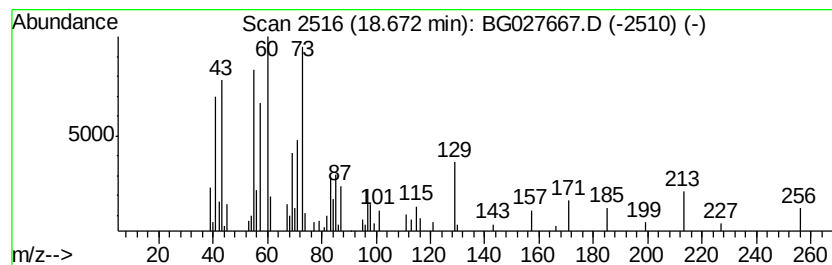
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc                        | Area  | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|-------|------------------|-------------|------|
| 18.67     | 3.20 ng                        | 63907 | Phenanthrene-d10 | 17.84       |      |
| Hit# of 5 | Tentative ID                   | MW    | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid            | 256   | C16H32O2         | 000057-10-3 | 98   |
| 2         | Pentadecanoic acid             | 242   | C15H30O2         | 001002-84-2 | 74   |
| 3         | Dodecanoic acid                | 200   | C12H24O2         | 000143-07-7 | 53   |
| 4         | Octanoic acid, silver(1+) salt | 250   | C8H15AgO2        | 024927-67-1 | 38   |
| 5         | Undecanoic acid, 10-bromo-     | 264   | C11H21BrO2       | 018294-93-4 | 35   |



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| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                     |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown8.04         | 8.04  | 68.4    | ng    | 463982   | 1                     | 8.50  | 135747 | 20.0 |
| unknown16.26        | 16.26 | 2.0     | ng    | 29992    | 3                     | 15.09 | 292423 | 20.0 |
| n-Hexadecanoic acid | 18.67 | 3.2     | ng    | 63907    | 4                     | 17.84 | 399093 | 20.0 |