

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG120717\  
 Data File : BG031412.D  
 Acq On : 7 Dec 2017 23:34  
 Operator : SJ/JU  
 Sample : I6765-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-SB009B

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-BG111017.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         | 5.200       | 320           | 325         | 334          | rBV      | 57179          | 91212         | 2.13%           | 0.421%        |
| 2         | 5.687       | 401           | 408         | 423          | rBV      | 836658         | 1440726       | 33.58%          | 6.648%        |
| 3         | 7.291       | 674           | 681         | 700          | rBV      | 883805         | 1666376       | 38.84%          | 7.690%        |
| 4         | 7.661       | 736           | 744         | 756          | rBV      | 881346         | 1565851       | 36.50%          | 7.226%        |
| 5         | 8.126       | 817           | 823         | 831          | rBV      | 153760         | 275810        | 6.43%           | 1.273%        |
| 6         | 8.449       | 870           | 878         | 890          | rBV      | 619821         | 1139648       | 26.56%          | 5.259%        |
| 7         | 9.295       | 1014          | 1022        | 1041         | rBV      | 480891         | 954161        | 22.24%          | 4.403%        |
| 8         | 10.946      | 1295          | 1303        | 1323         | rBV      | 183840         | 417441        | 9.73%           | 1.926%        |
| 9         | 13.372      | 1709          | 1716        | 1729         | rBV      | 1435029        | 2399801       | 55.94%          | 11.074%       |
| 10        | 14.201      | 1850          | 1857        | 1866         | rBV      | 53057          | 110312        | 2.57%           | 0.509%        |
| 11        | 14.747      | 1944          | 1950        | 1960         | rBV2     | 401208         | 687633        | 16.03%          | 3.173%        |
| 12        | 16.234      | 2191          | 2203        | 2218         | rBV      | 1503041        | 2494560       | 58.14%          | 11.512%       |
| 13        | 17.491      | 2408          | 2417        | 2427         | rBV2     | 692945         | 1119854       | 26.10%          | 5.168%        |
| 14        | 18.361      | 2559          | 2565        | 2572         | rBV2     | 27101          | 60049         | 1.40%           | 0.277%        |
| 15        | 20.082      | 2851          | 2858        | 2867         | rBV      | 3223706        | 4290258       | 100.00%         | 19.798%       |
| 16        | 21.369      | 3072          | 3077        | 3094         | rBV2     | 108940         | 276493        | 6.44%           | 1.276%        |
| 17        | 21.763      | 3137          | 3144        | 3155         | rBV2     | 751858         | 1384826       | 32.28%          | 6.390%        |
| 18        | 25.059      | 3694          | 3705        | 3723         | rBV2     | 435463         | 1295109       | 30.19%          | 5.976%        |

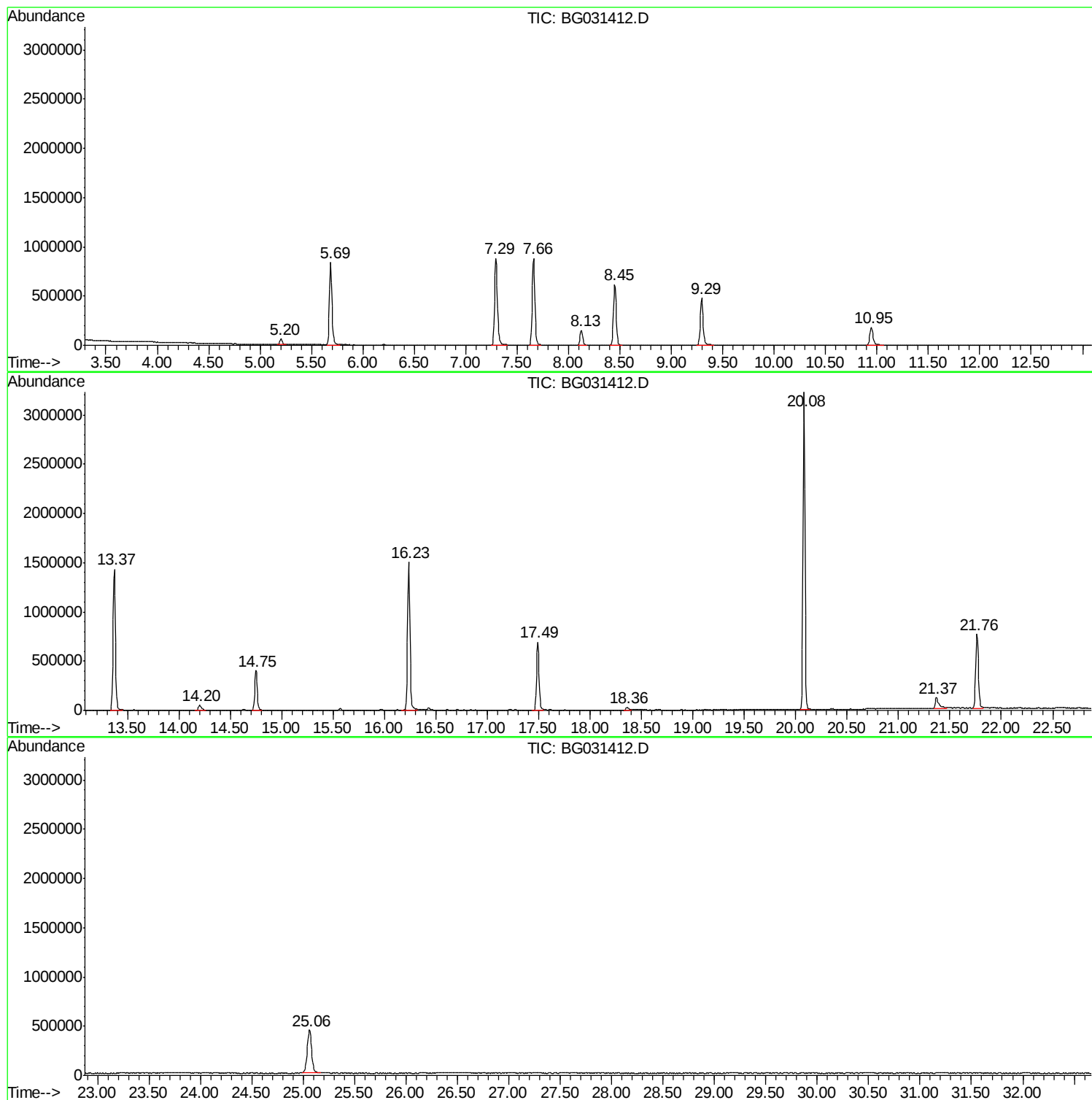
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

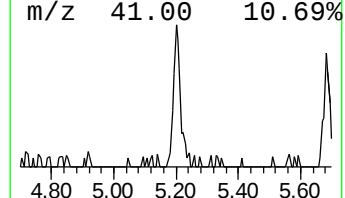
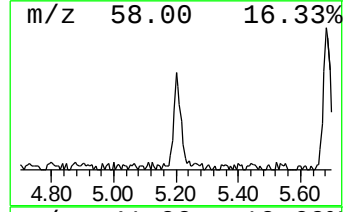
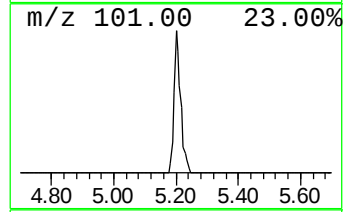
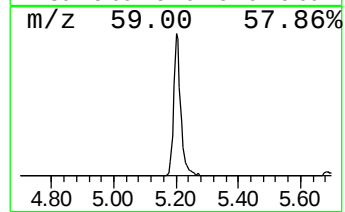
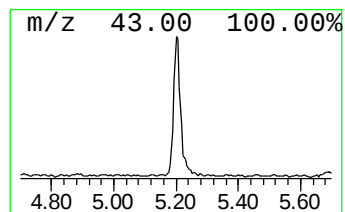
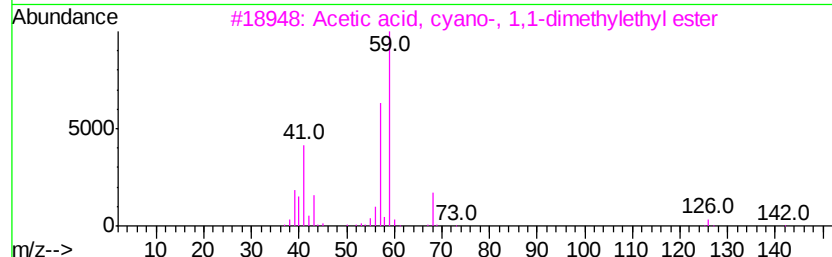
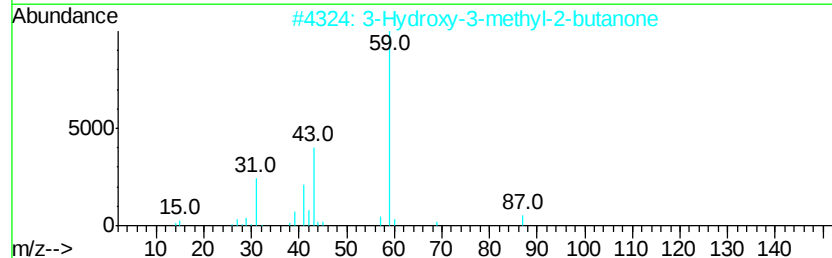
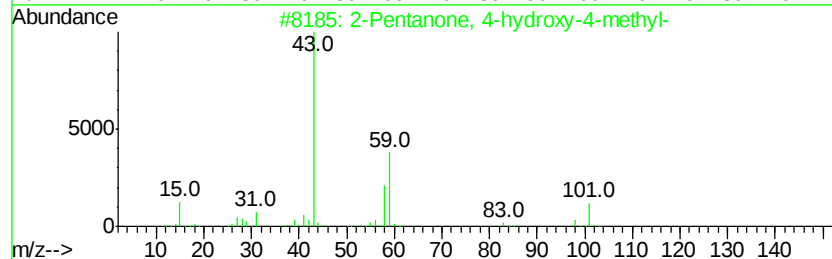
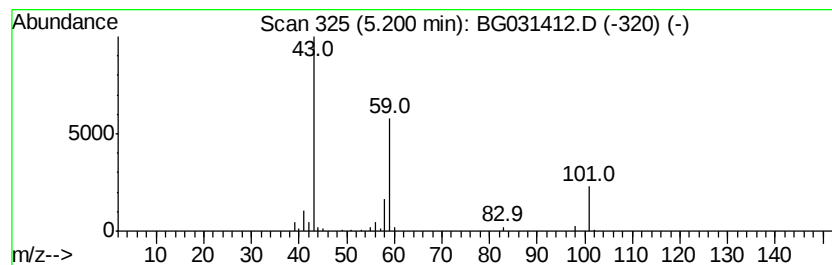
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.20 | 6.61 ng | 91212 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# of 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|-----------|--------------------------------------|-----|----------|-------------|------|
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2         | 3-Hydroxy-3-methyl-2-butanone        | 102 | C5H10O2  | 000115-22-0 | 9    |
| 3         | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 9    |
| 4         | 3-Hexanol, 4-ethyl-                  | 130 | C8H18O   | 019780-44-0 | 9    |
| 5         | 2-Hexanol, 2-methyl-                 | 116 | C7H16O   | 000625-23-0 | 9    |



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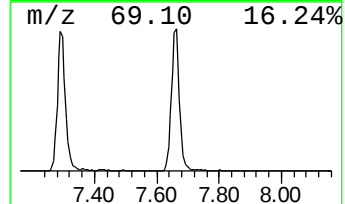
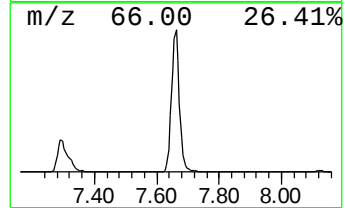
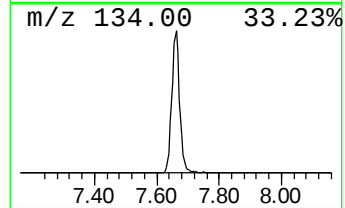
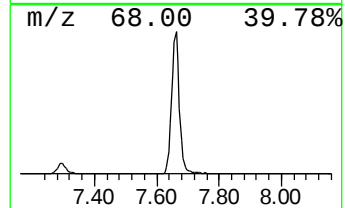
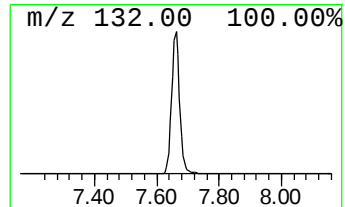
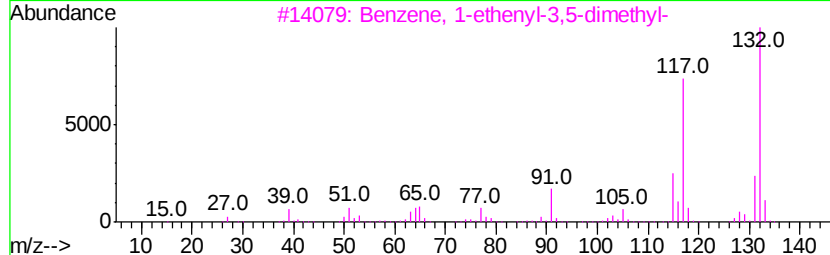
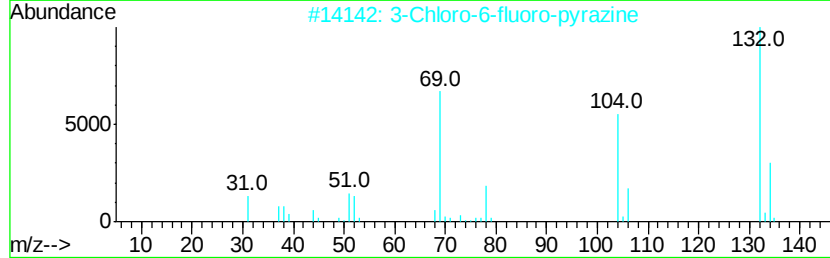
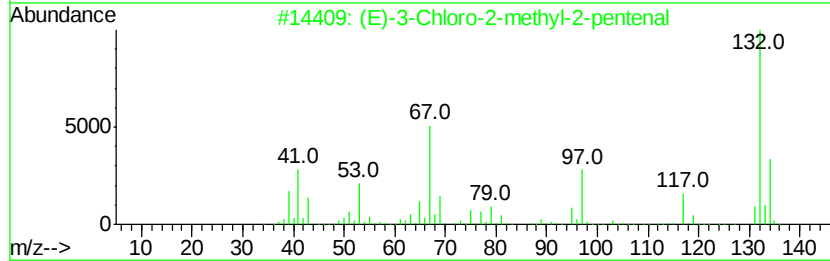
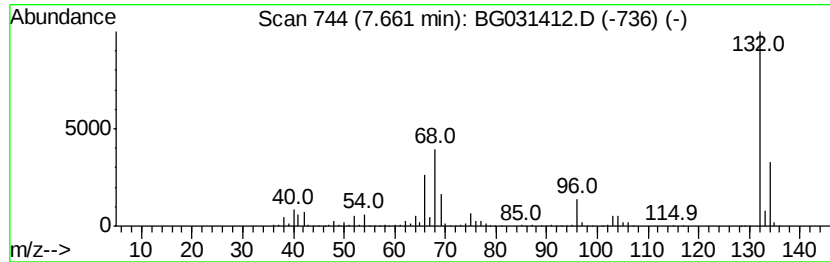
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
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TIC Library : C:\Database\NIST11.L  
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Peak Number 2 unknown7.66 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.66 | 113.55 ng | 1565850 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |
| 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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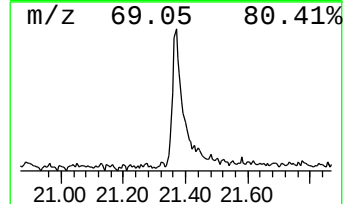
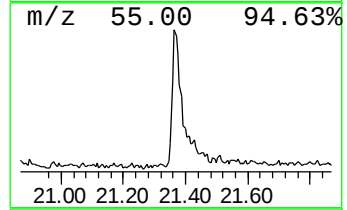
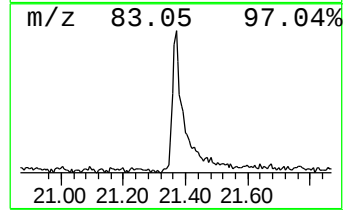
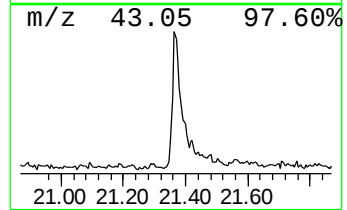
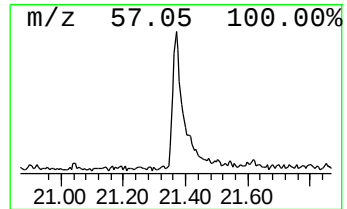
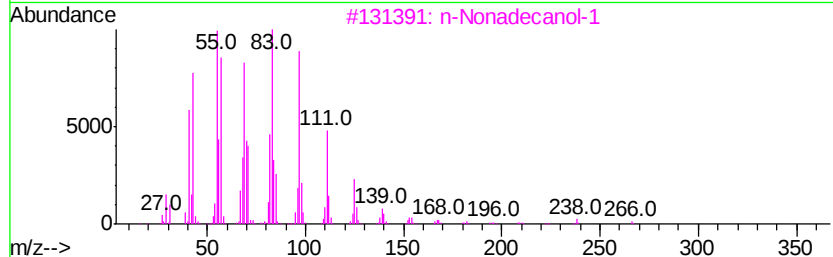
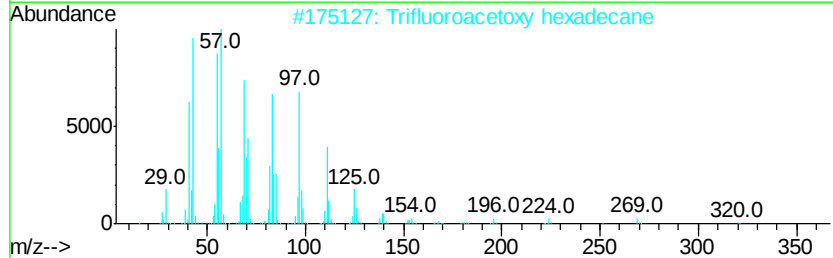
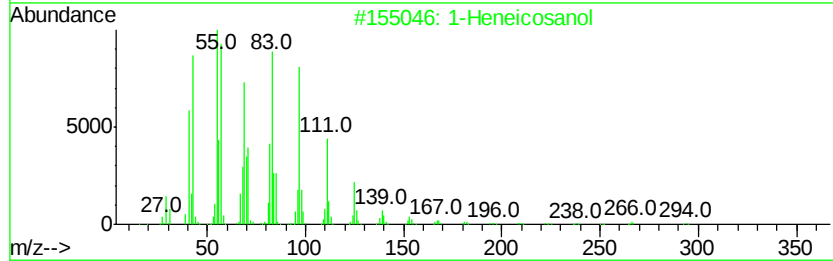
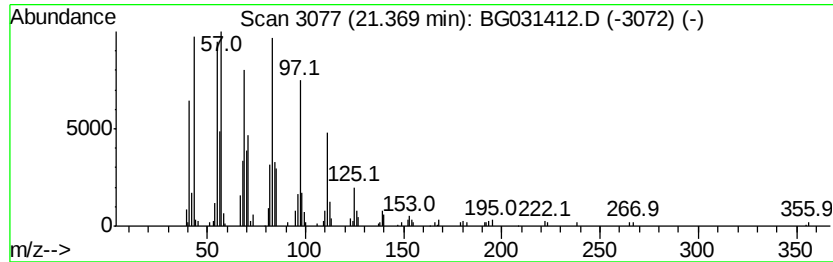
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Heneicosanol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.37 | 3.99 ng | 276493 | Chrysene-d12     | 21.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 95   |
| 2    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 95   |
| 3    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 4    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 93   |
| 5    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 93   |



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BNA\_G  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.20  | 6.6     | ng    | 91212    | 1                     | 8.13  | 275810  | 20.0 |
| unknown7.66          | 7.66  | 113.6   | ng    | 1565850  | 1                     | 8.13  | 275810  | 20.0 |
| 1-Heneicosanol       | 21.37 | 4.0     | ng    | 276493   | 5                     | 21.76 | 1384830 | 20.0 |