

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030217\  
 Data File : BG026050.D  
 Acq On : 3 Mar 2017 4:30  
 Operator : SJ/MA  
 Sample : I2057-08  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 27B-4

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-BG021717.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         | 5.171       | 305           | 312         | 325          | rVB      | 623453         | 935203        | 15.18%          | 2.666%        |
| 2         | 5.641       | 385           | 392         | 405          | rBV      | 1758064        | 2767981       | 44.94%          | 7.891%        |
| 3         | 7.228       | 654           | 662         | 676          | rBV      | 1636304        | 2932907       | 47.61%          | 8.361%        |
| 4         | 7.604       | 718           | 726         | 744          | rBV      | 1793085        | 3008781       | 48.85%          | 8.577%        |
| 5         | 8.068       | 799           | 805         | 821          | rVB      | 345826         | 604140        | 9.81%           | 1.722%        |
| 6         | 8.397       | 852           | 861         | 869          | rBV      | 1345512        | 2354463       | 38.22%          | 6.712%        |
| 7         | 9.225       | 991           | 1002        | 1010         | rBV      | 1006472        | 1755068       | 28.49%          | 5.003%        |
| 8         | 10.871      | 1274          | 1282        | 1294         | rVB      | 494923         | 873357        | 14.18%          | 2.490%        |
| 9         | 13.303      | 1688          | 1696        | 1707         | rBV      | 2870968        | 4494079       | 72.96%          | 12.812%       |
| 10        | 14.120      | 1828          | 1835        | 1842         | rBV      | 306545         | 449260        | 7.29%           | 1.281%        |
| 11        | 14.672      | 1922          | 1929        | 1939         | rBV2     | 719026         | 1169180       | 18.98%          | 3.333%        |
| 12        | 16.153      | 2173          | 2181        | 2193         | rBV      | 1878543        | 3003791       | 48.77%          | 8.563%        |
| 13        | 17.404      | 2387          | 2394        | 2401         | rBV2     | 935555         | 1427929       | 23.18%          | 4.071%        |
| 14        | 17.892      | 2473          | 2477        | 2481         | rBV      | 56066          | 66142         | 1.07%           | 0.189%        |
| 15        | 18.280      | 2539          | 2543        | 2549         | rBV3     | 55658          | 84024         | 1.36%           | 0.240%        |
| 16        | 20.001      | 2829          | 2836        | 2854         | rBV      | 4488124        | 6159726       | 100.00%         | 17.560%       |
| 17        | 20.377      | 2896          | 2900        | 2907         | rVB      | 52832          | 68461         | 1.11%           | 0.195%        |
| 18        | 21.294      | 3051          | 3056        | 3065         | rBV3     | 84165          | 148228        | 2.41%           | 0.423%        |
| 19        | 21.646      | 3110          | 3116        | 3129         | rBV      | 808341         | 1408643       | 22.87%          | 4.016%        |
| 20        | 24.842      | 3650          | 3660        | 3676         | rBV2     | 444285         | 1366274       | 22.18%          | 3.895%        |

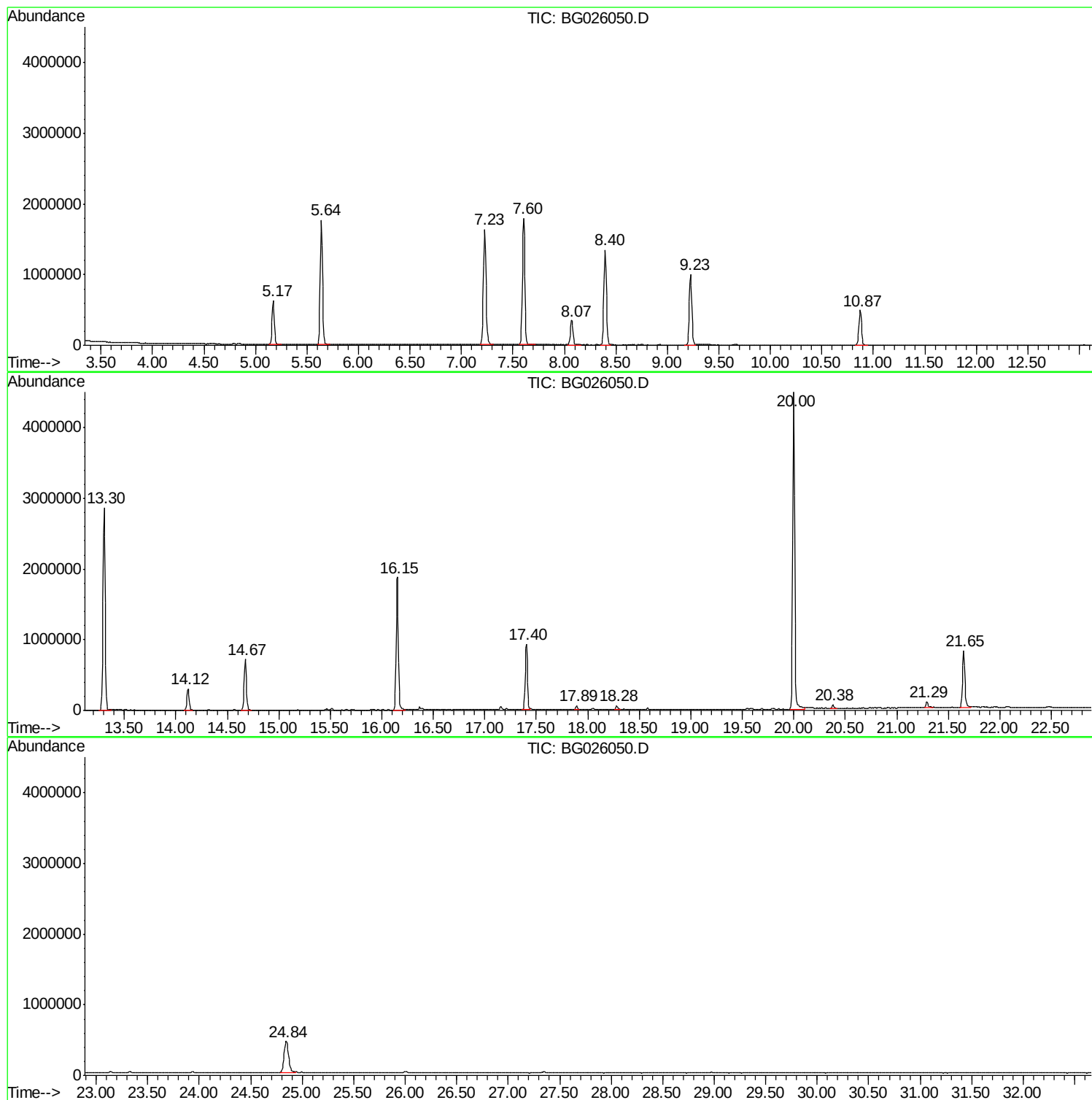
Sum of corrected areas: 35077637

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ClientSampleId :  
27B-4

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.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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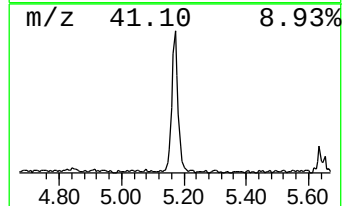
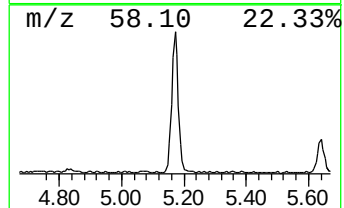
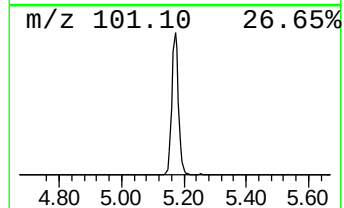
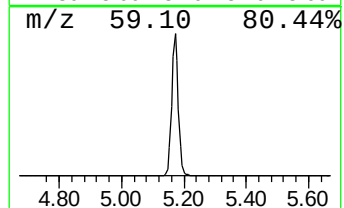
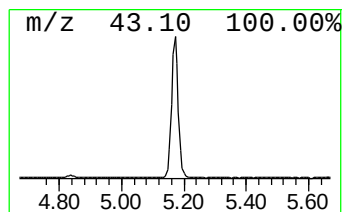
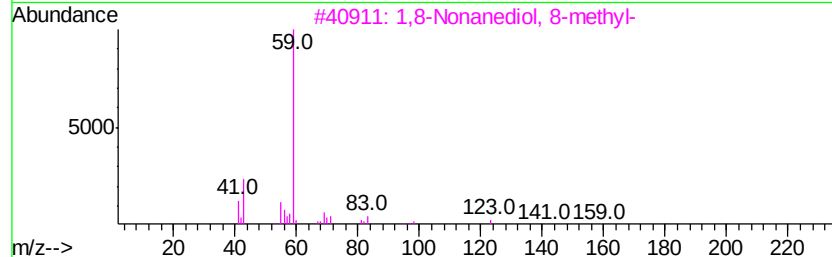
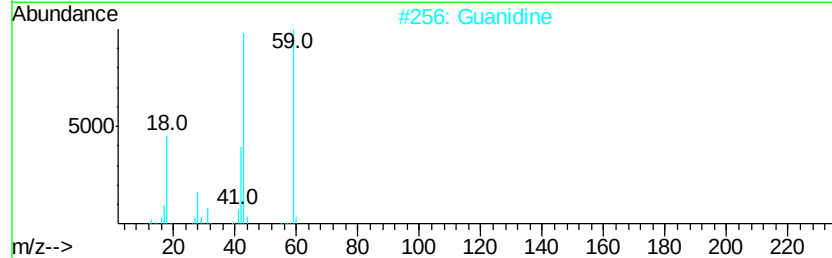
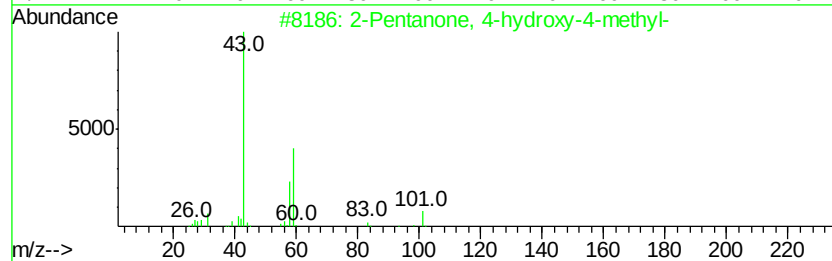
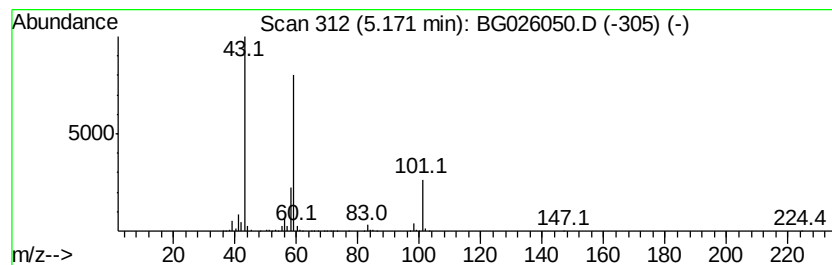
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.17 | 30.96 ng | 935203 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Guanidine                        | 59  | CH5N3    | 000113-00-8 | 47   |
| 3    |    | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2 | 054725-73-4 | 28   |
| 4    |    | Acetone                          | 58  | C3H6O    | 000067-64-1 | 9    |
| 5    |    | Morpholine, 4-methyl-            | 101 | C5H11NO  | 000109-02-4 | 9    |



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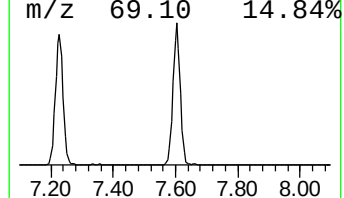
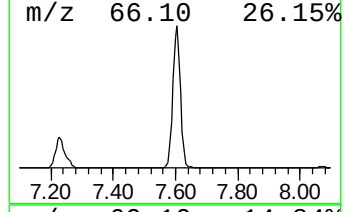
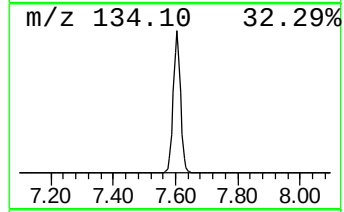
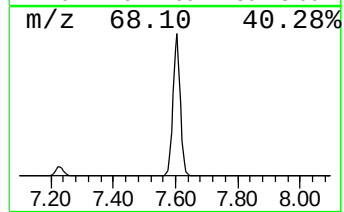
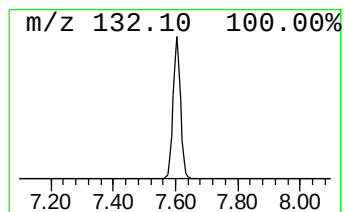
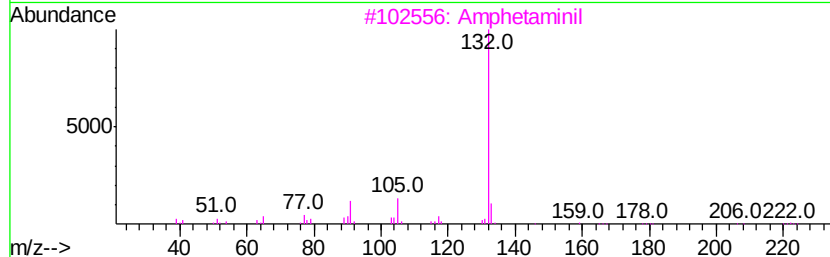
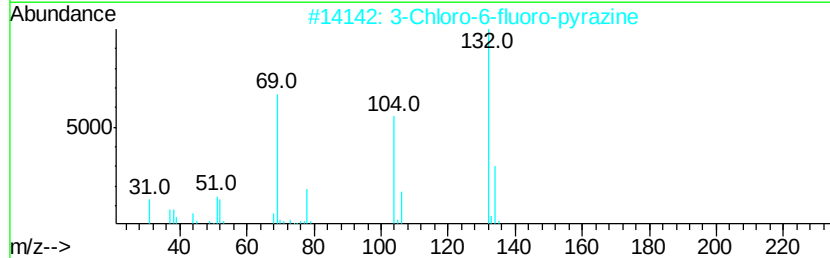
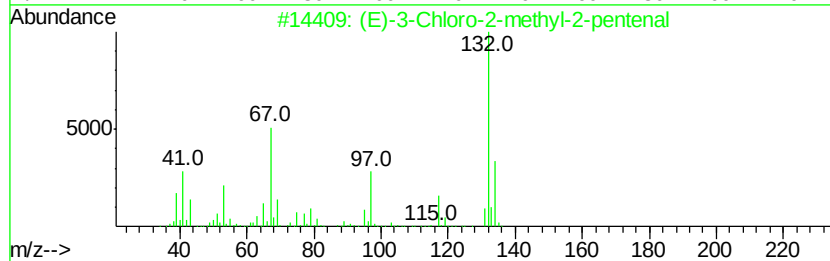
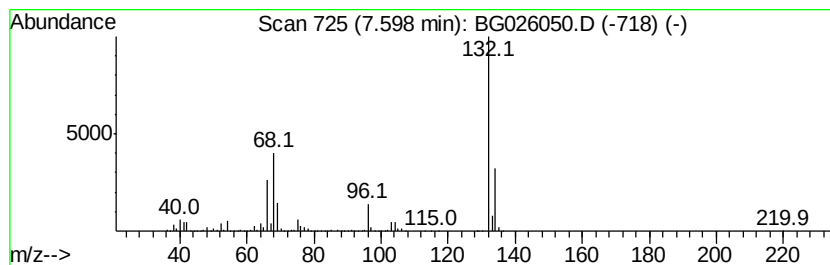
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Peak Number 2 unknown7.60 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.60 | 99.61 ng | 3008780 | 1,4-Dichlorobenzene-d4 | 8.07 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 10   |
| 4    |    | Tranvlcypropmine-propionyl       | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



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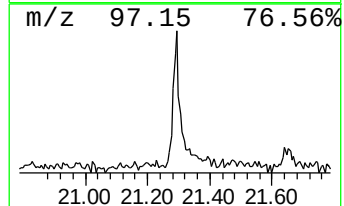
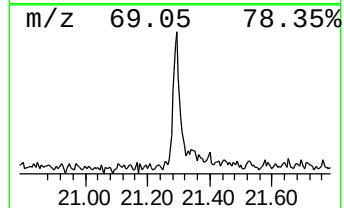
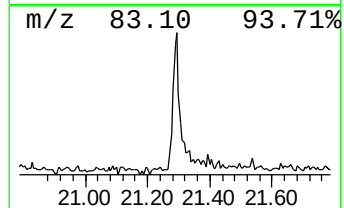
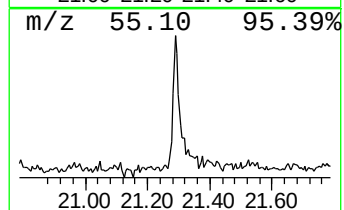
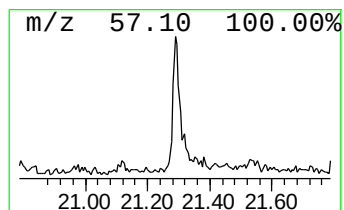
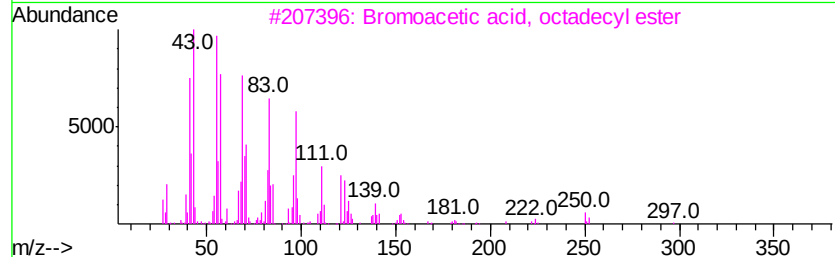
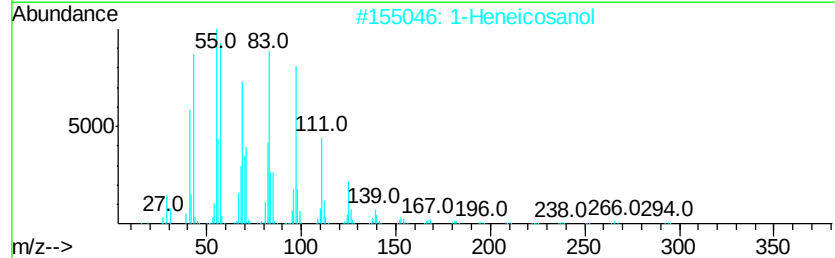
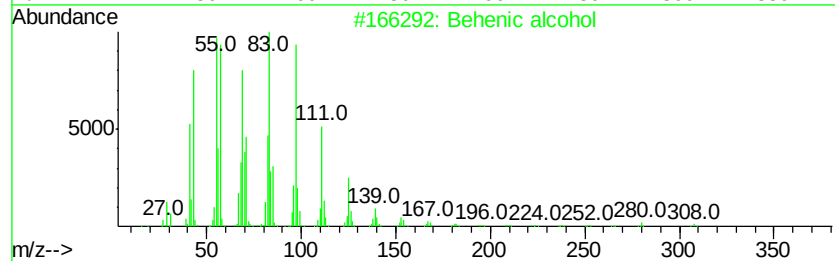
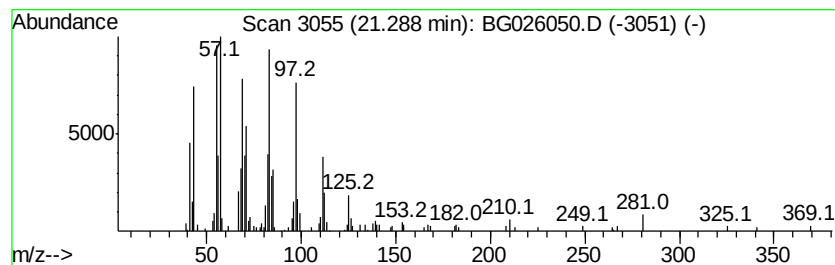
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ClientSampleId :  
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Peak Number 4 Behenic alcohol Concentration Rank 4

| R.T.      | EstConc                           | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------|--------|------------------|-------------|------|
| 21.29     | 2.10 ng                           | 148228 | Chrysene-d12     | 21.65       |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#        | Qual |
| 1         | Behenic alcohol                   | 326    | C22H46O          | 000661-19-8 | 94   |
| 2         | 1-Heneicosanol                    | 312    | C21H44O          | 015594-90-8 | 94   |
| 3         | Bromoacetic acid, octadecyl ester | 390    | C20H39BrO2       | 018992-03-5 | 91   |
| 4         | n-Nonadecanol-1                   | 284    | C19H40O          | 001454-84-8 | 87   |
| 5         | 1-Heneicosyl formate              | 340    | C22H44O2         | 077899-03-7 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.17  | 31.0    | ng    | 935203   | 1                     | 8.07  | 604140  | 20.0 |
| unknown7.60          | 7.60  | 99.6    | ng    | 3008780  | 1                     | 8.07  | 604140  | 20.0 |
| Behenic alcohol      | 21.29 | 2.1     | ng    | 148228   | 5                     | 21.65 | 1408640 | 20.0 |