

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\  
 Data File : BF096337.D  
 Acq On : 30 Jun 2017 15:11  
 Operator : SJ/MA  
 Sample : I3883-13 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G40-0-1.5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062717.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         | 4.322       | 376           | 380         | 386          | rBV      | 20603          | 24680         | 1.94%           | 0.273%        |
| 2         | 4.951       | 483           | 487         | 494          | rVB      | 127703         | 130793        | 10.30%          | 1.447%        |
| 3         | 5.375       | 556           | 559         | 563          | rBV      | 184135         | 155818        | 12.27%          | 1.724%        |
| 4         | 6.392       | 729           | 732         | 742          | rVB      | 315866         | 253159        | 19.94%          | 2.801%        |
| 5         | 6.534       | 753           | 756         | 760          | rBV      | 261803         | 209485        | 16.50%          | 2.318%        |
| 6         | 6.769       | 793           | 796         | 800          | rBV      | 1049373        | 926363        | 72.95%          | 10.248%       |
| 7         | 6.928       | 820           | 823         | 826          | rBV      | 232093         | 186741        | 14.71%          | 2.066%        |
| 8         | 7.322       | 884           | 890         | 897          | rBV      | 175292         | 151226        | 11.91%          | 1.673%        |
| 9         | 7.381       | 897           | 900         | 903          | rVB      | 19096          | 16184         | 1.27%           | 0.179%        |
| 10        | 8.057       | 1011          | 1015        | 1018         | rBV      | 1414185        | 1269775       | 100.00%         | 14.047%       |
| 11        | 8.328       | 1058          | 1061        | 1064         | rBV      | 14059          | 14252         | 1.12%           | 0.158%        |
| 12        | 8.492       | 1085          | 1089        | 1091         | rBV      | 14218          | 15478         | 1.22%           | 0.171%        |
| 13        | 8.657       | 1113          | 1117        | 1120         | rBV      | 38091          | 33518         | 2.64%           | 0.371%        |
| 14        | 8.763       | 1131          | 1135        | 1138         | rVB5     | 12691          | 16124         | 1.27%           | 0.178%        |
| 15        | 8.863       | 1150          | 1152        | 1157         | rVB3     | 10204          | 13903         | 1.09%           | 0.154%        |
| 16        | 9.086       | 1187          | 1190        | 1193         | rVB      | 18023          | 14944         | 1.18%           | 0.165%        |
| 17        | 9.128       | 1193          | 1197        | 1200         | rBV      | 364033         | 274712        | 21.63%          | 3.039%        |
| 18        | 9.222       | 1209          | 1213        | 1219         | rBV2     | 49774          | 52288         | 4.12%           | 0.578%        |
| 19        | 9.522       | 1261          | 1264        | 1266         | rBV      | 51785          | 45442         | 3.58%           | 0.503%        |
| 20        | 9.545       | 1266          | 1268        | 1270         | rVB      | 20220          | 15660         | 1.23%           | 0.173%        |
| 21        | 9.751       | 1301          | 1303        | 1307         | rVB      | 52091          | 41943         | 3.30%           | 0.464%        |
| 22        | 9.804       | 1307          | 1312        | 1316         | rBV      | 1322434        | 1244312       | 97.99%          | 13.766%       |
| 23        | 10.010      | 1344          | 1347        | 1350         | rVB2     | 21686          | 16014         | 1.26%           | 0.177%        |
| 24        | 10.075      | 1355          | 1358        | 1362         | rVB5     | 14495          | 15271         | 1.20%           | 0.169%        |
| 25        | 10.251      | 1385          | 1388        | 1391         | rBV      | 49248          | 40040         | 3.15%           | 0.443%        |
| 26        | 10.469      | 1422          | 1425        | 1428         | rVB      | 32223          | 30533         | 2.40%           | 0.338%        |
| 27        | 10.551      | 1437          | 1439        | 1442         | rBV4     | 13586          | 14562         | 1.15%           | 0.161%        |
| 28        | 10.586      | 1442          | 1445        | 1449         | rVV5     | 22127          | 23979         | 1.89%           | 0.265%        |
| 29        | 10.722      | 1465          | 1468        | 1469         | rBV      | 73979          | 62948         | 4.96%           | 0.696%        |
| 30        | 10.739      | 1469          | 1471        | 1475         | rVB      | 63140          | 56309         | 4.43%           | 0.623%        |
| 31        | 11.039      | 1519          | 1522        | 1528         | rBV7     | 13960          | 24023         | 1.89%           | 0.266%        |
| 32        | 11.169      | 1541          | 1544        | 1547         | rBV2     | 60606          | 56853         | 4.48%           | 0.629%        |
| 33        | 11.198      | 1547          | 1549        | 1553         | rVB      | 47079          | 46965         | 3.70%           | 0.520%        |
| 34        | 11.286      | 1560          | 1564        | 1567         | rBV      | 1210167        | 1050392       | 82.72%          | 11.620%       |

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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-BF062717.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.310 | 1567 | 1568 | 1571 | rVV  | 64523  | 38915  | 3.06%  | 0.431% |
| 36 | 11.357 | 1574 | 1576 | 1579 | rVB2 | 27097  | 24491  | 1.93%  | 0.271% |
| 37 | 11.516 | 1600 | 1603 | 1607 | rBV5 | 14469  | 17443  | 1.37%  | 0.193% |
| 38 | 11.592 | 1614 | 1616 | 1619 | rBV  | 48576  | 44500  | 3.50%  | 0.492% |
| 39 | 11.769 | 1642 | 1646 | 1647 | rBV3 | 13547  | 16191  | 1.28%  | 0.179% |
| 40 | 11.816 | 1652 | 1654 | 1658 | rVB3 | 32579  | 30468  | 2.40%  | 0.337% |
| 41 | 11.898 | 1665 | 1668 | 1670 | rBV2 | 19754  | 21271  | 1.68%  | 0.235% |
| 42 | 11.998 | 1683 | 1685 | 1688 | rVB  | 43618  | 38625  | 3.04%  | 0.427% |
| 43 | 12.157 | 1710 | 1712 | 1714 | rBV3 | 15460  | 17478  | 1.38%  | 0.193% |
| 44 | 12.339 | 1740 | 1743 | 1746 | rBV3 | 29694  | 29473  | 2.32%  | 0.326% |
| 45 | 12.392 | 1749 | 1752 | 1756 | rVV  | 49210  | 49664  | 3.91%  | 0.549% |
| 46 | 12.498 | 1767 | 1770 | 1773 | rBV  | 76839  | 80607  | 6.35%  | 0.892% |
| 47 | 12.704 | 1802 | 1805 | 1807 | rBV  | 206677 | 172343 | 13.57% | 1.907% |
| 48 | 12.763 | 1813 | 1815 | 1816 | rVB  | 39310  | 23318  | 1.84%  | 0.258% |
| 49 | 12.868 | 1830 | 1833 | 1839 | rBV  | 252706 | 246110 | 19.38% | 2.723% |
| 50 | 13.116 | 1873 | 1875 | 1878 | rVB  | 72918  | 57870  | 4.56%  | 0.640% |
| 51 | 13.410 | 1922 | 1925 | 1928 | rBV  | 121319 | 101663 | 8.01%  | 1.125% |
| 52 | 13.457 | 1931 | 1933 | 1936 | rBV2 | 79458  | 70866  | 5.58%  | 0.784% |
| 53 | 13.921 | 2008 | 2012 | 2015 | rBV  | 821276 | 811901 | 63.94% | 8.982% |
| 54 | 15.351 | 2251 | 2255 | 2259 | rVB  | 527483 | 601323 | 47.36% | 6.652% |

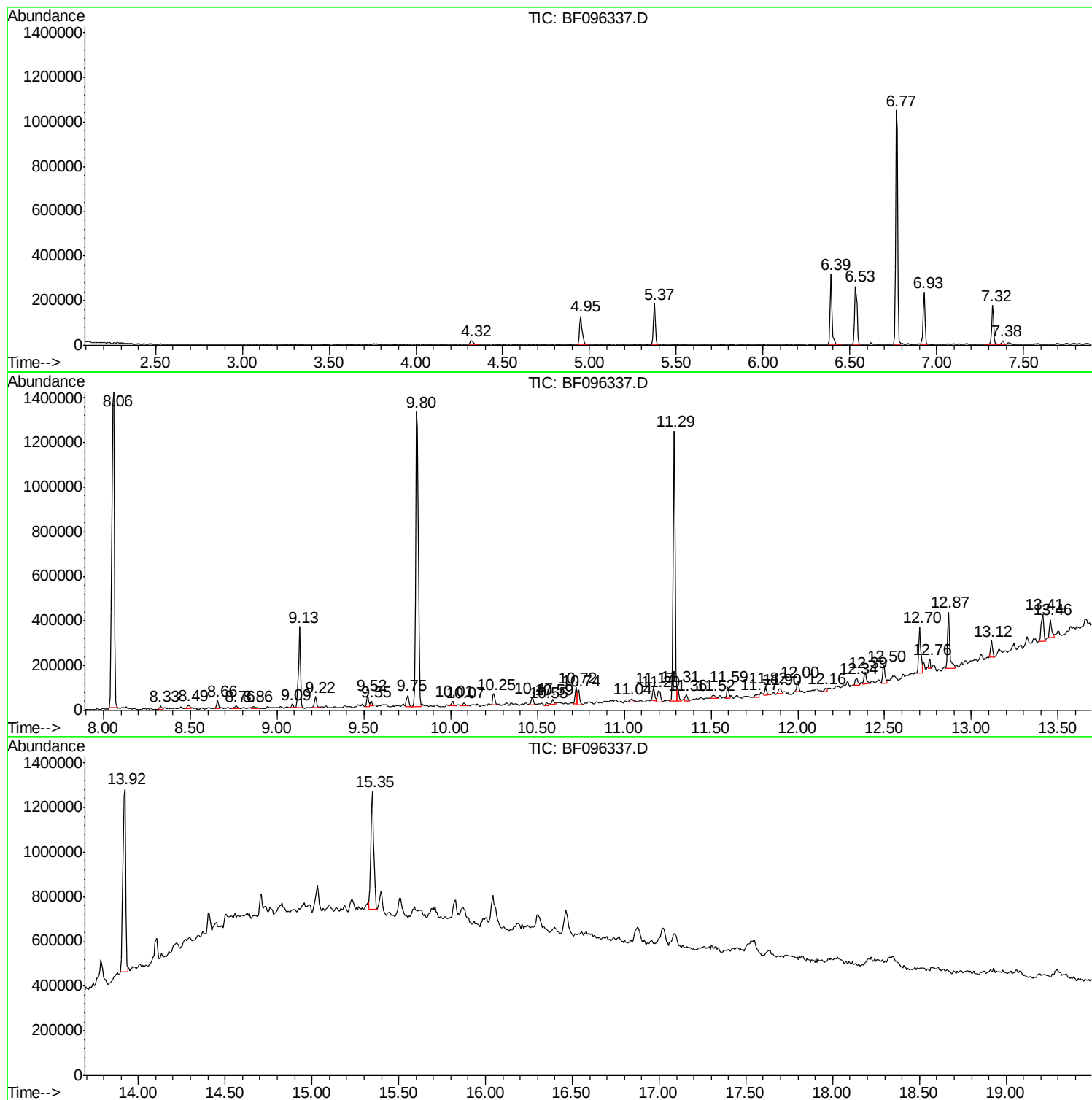
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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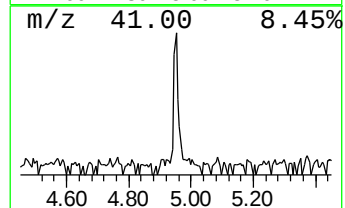
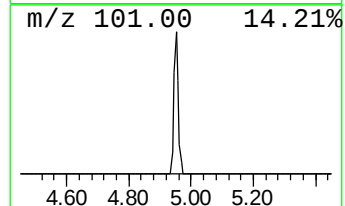
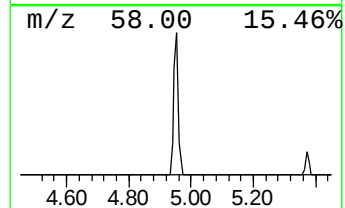
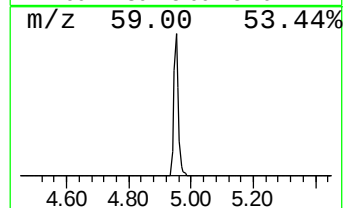
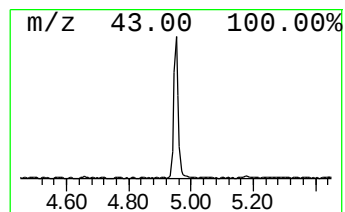
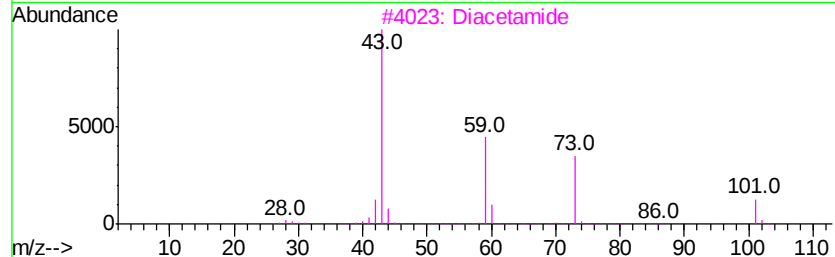
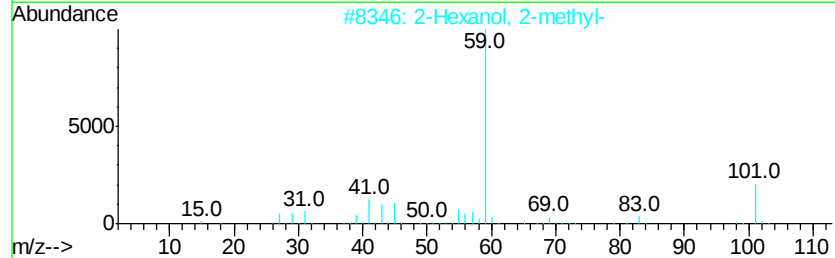
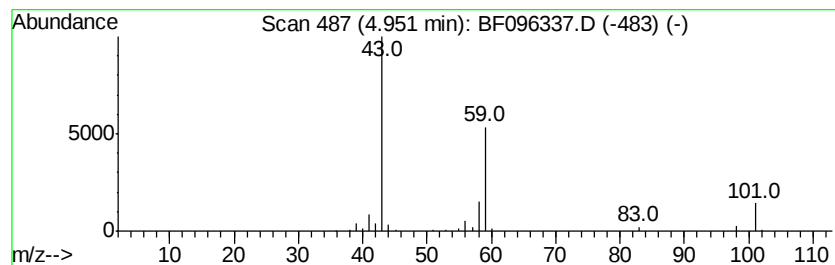
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.95 | 2.82 ng | 130793 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2    |    |   | 2-Hexanol, 2-methyl-               | 116 | C7H16O  | 000625-23-0 | 33   |
| 3    |    |   | Diacetamide                        | 101 | C4H7NO2 | 000625-77-4 | 9    |
| 4    |    |   | Oxirane-2-carboxylic acid, methyl- | 102 | C4H6O3  | 004538-50-5 | 9    |
| 5    |    |   | 3-Octanol                          | 130 | C8H18O  | 000589-98-0 | 9    |



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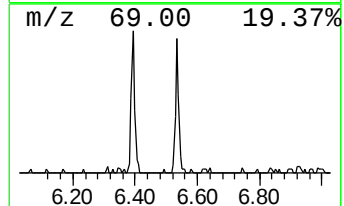
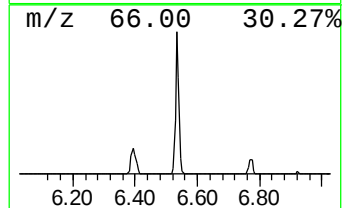
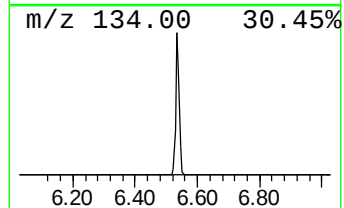
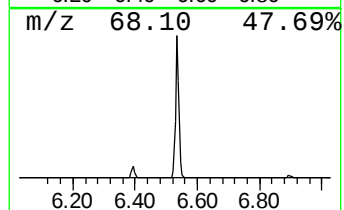
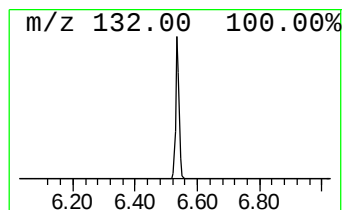
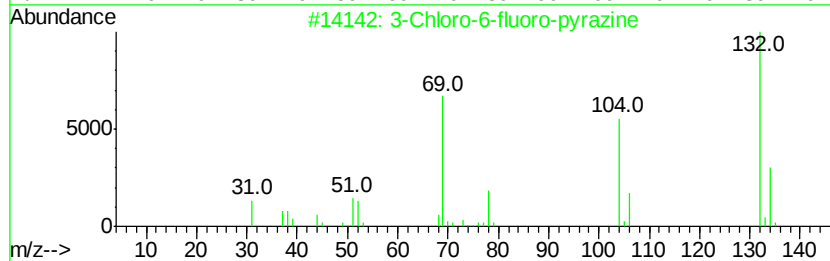
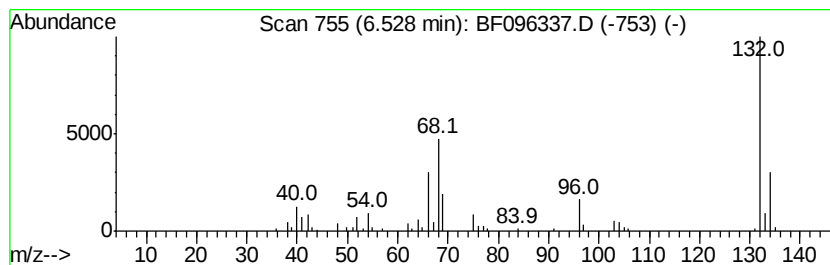
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.53 Concentration Rank 1

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.53 | 4.52 ng | 209485 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 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    |    |   | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 10   |
| 5    |    |   | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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G40-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

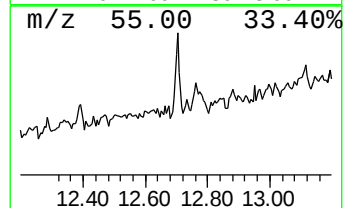
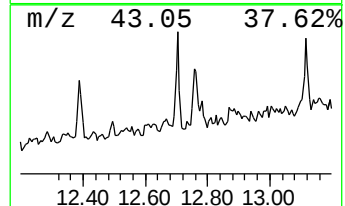
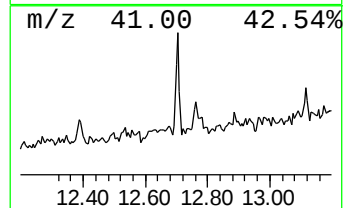
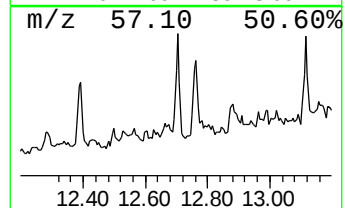
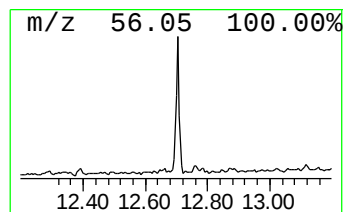
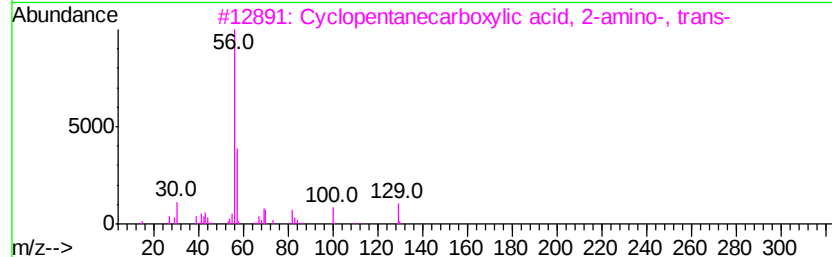
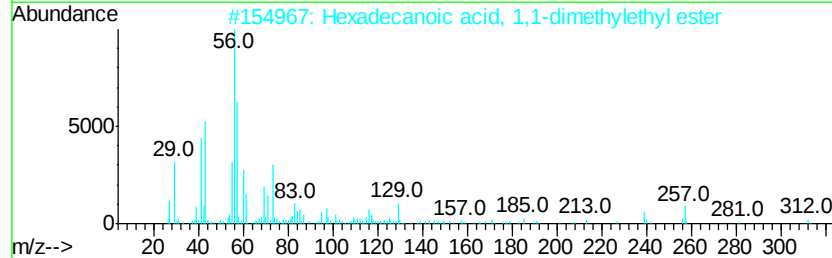
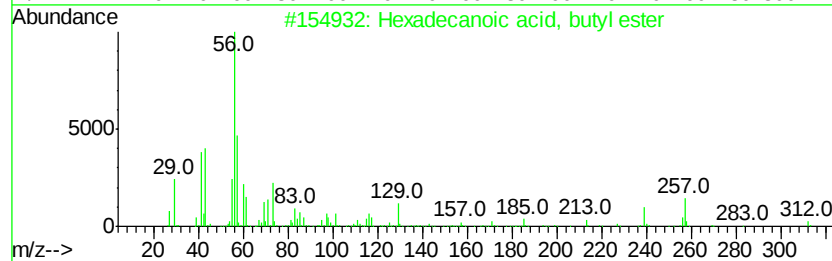
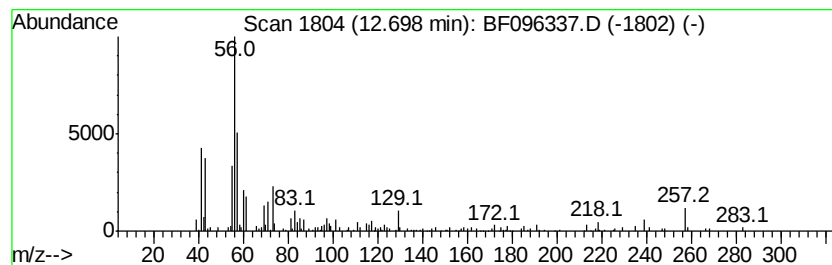
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hexadecanoic acid, butyl ester Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.70 | 4.25 ng | 172343 | Chrysene-d12     | 13.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, butyl ester      | 312 | C20H40O2 | 000111-06-8 | 91   |
| 2    |    | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 52   |
| 3    |    | Cyclopentanecarboxylic acid, 2-a... | 129 | C6H11NO2 | 040482-05-1 | 43   |
| 4    |    | Cyclopentanecarboxylic acid, 2-a... | 129 | C6H11NO2 | 037910-65-9 | 43   |
| 5    |    | Oxirane, 2,3-bis(1-methylethyl)-... | 128 | C8H16O   | 054644-32-5 | 37   |



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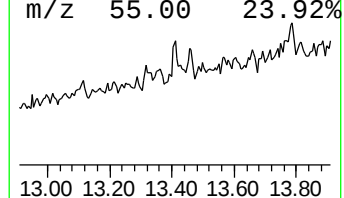
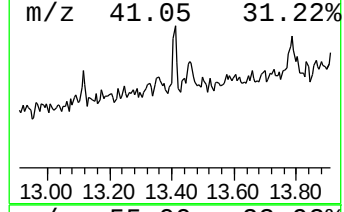
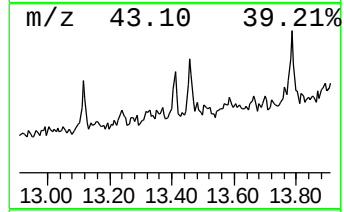
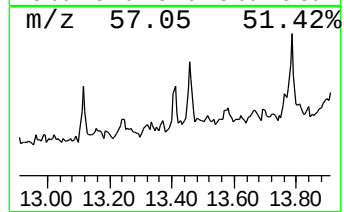
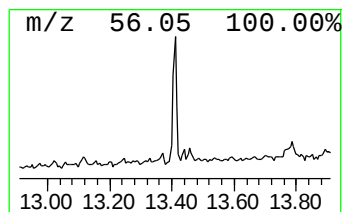
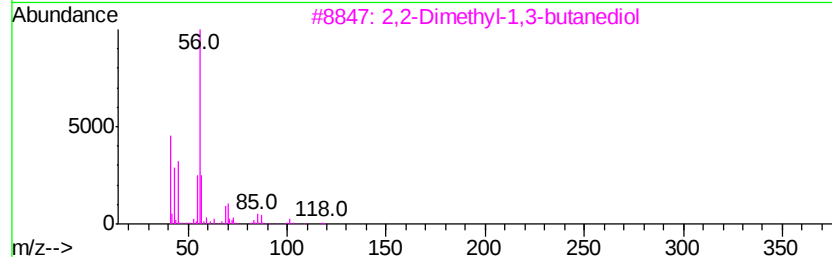
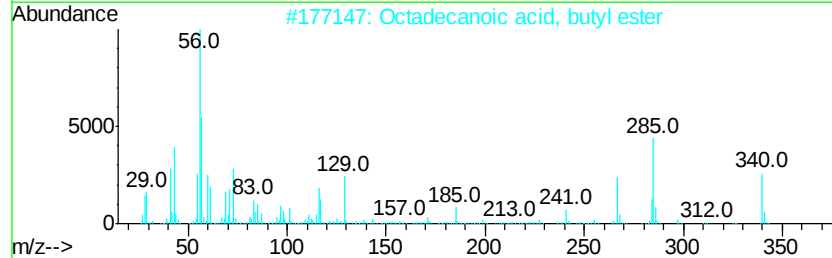
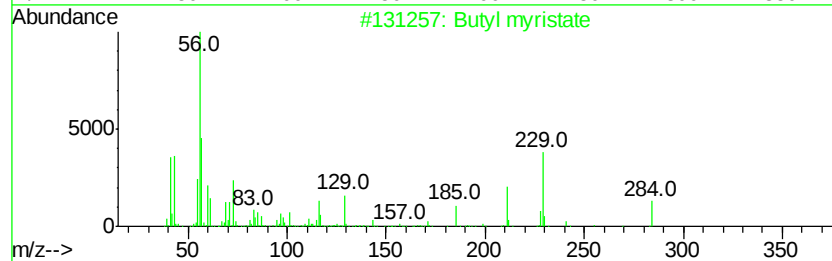
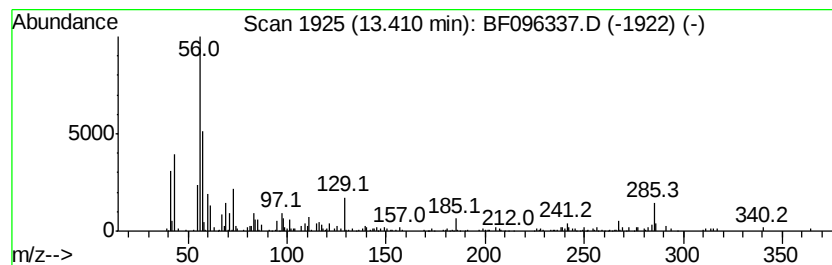
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Butyl myristate Concentration Rank 5

| R.T.      | EstConc                            | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------------------------|--------|------------------|-------------|-------|
| 13.41     | 2.50 ng                            | 101663 | Chrysene-d12     |             | 13.92 |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual  |
| 1         | Butyl myristate                    | 284    | C18H36O2         | 000110-36-1 | 53    |
| 2         | Octadecanoic acid, butyl ester     | 340    | C22H44O2         | 000123-95-5 | 42    |
| 3         | 2,2-Dimethyl-1,3-butanediol        | 118    | C6H14O2          | 000076-35-7 | 38    |
| 4         | 1-Hexene, 2,5-dimethyl-            | 112    | C8H16            | 006975-92-4 | 38    |
| 5         | Cyclobutane, 1-hexyl-2,3-dimethyl- | 168    | C12H24           | 055170-84-8 | 38    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF063017\  
Data File : BF096337.D  
Acq On : 30 Jun 2017 15:11  
Operator : SJ/MA  
Sample : I3883-13 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G40-0-1.5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.95  | 2.8     | ng    | 130793   | 1                     | 6.77  | 926363 | 20.0 |
| unknown6.53          | 6.53  | 4.5     | ng    | 209485   | 1                     | 6.77  | 926363 | 20.0 |
| Hexadecanoic acid... | 12.70 | 4.3     | ng    | 172343   | 5                     | 13.92 | 811901 | 20.0 |
| Butyl myristate      | 13.41 | 2.5     | ng    | 101663   | 5                     | 13.92 | 811901 | 20.0 |