

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF010615\  
Data File : BF076756.D  
Acq On : 6 Jan 2015 13:07  
Operator : IZ / TP  
Sample : F5253-01  
Misc : W  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TH132-SUMP1

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-BF121714.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         | 8.802       | 659           | 675         | 676          | rBV      | 18441263       | 133185031     | 100.00%         | 70.993%       |
| 2         | 8.847       | 677           | 679         | 680          | rVV2     | 19539150       | 27494909      | 20.64%          | 14.656%       |
| 3         | 8.882       | 680           | 682         | 686          | rVB2     | 8969451        | 19355996      | 14.53%          | 10.318%       |
| 4         | 9.670       | 747           | 751         | 753          | rBV      | 1287414        | 1604797       | 1.20%           | 0.855%        |
| 5         | 9.990       | 773           | 779         | 781          | rBV      | 1383396        | 1639618       | 1.23%           | 0.874%        |
| 6         | 10.505      | 822           | 824         | 827          | rVV      | 2034056        | 2749229       | 2.06%           | 1.465%        |
| 7         | 14.254      | 1149          | 1152        | 1154         | rBV      | 1379111        | 1573108       | 1.18%           | 0.839%        |

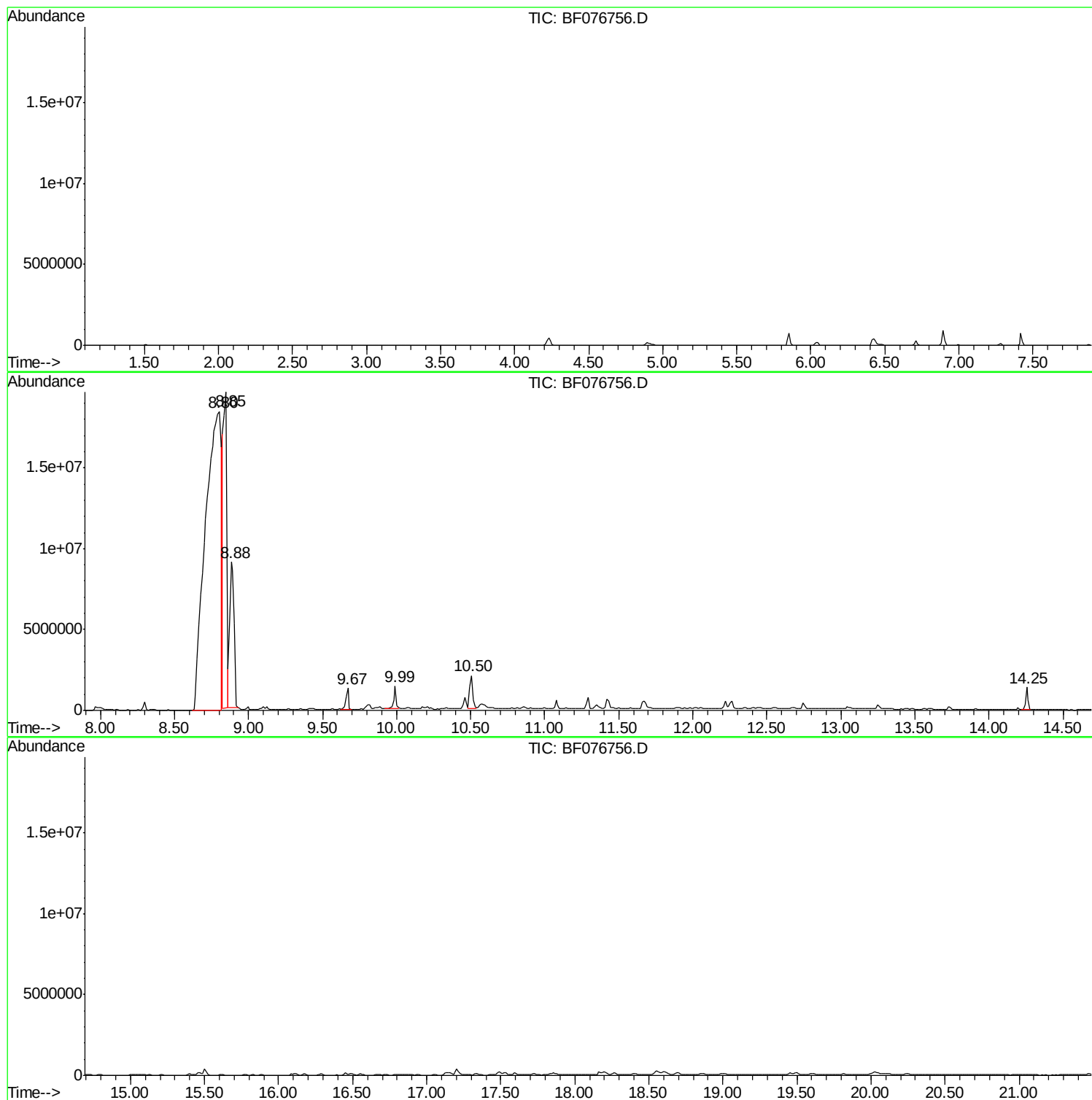
Sum of corrected areas: 187602688

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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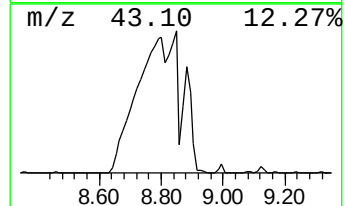
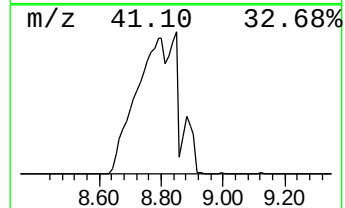
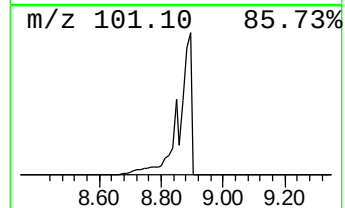
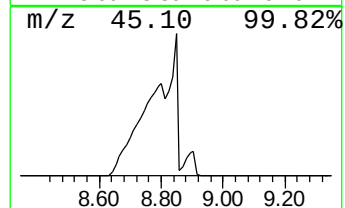
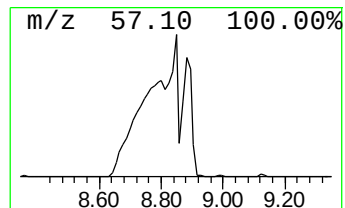
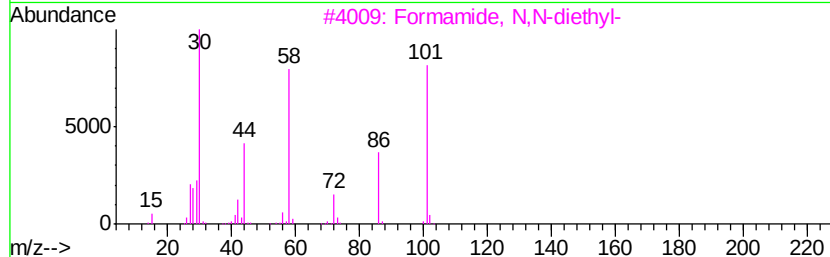
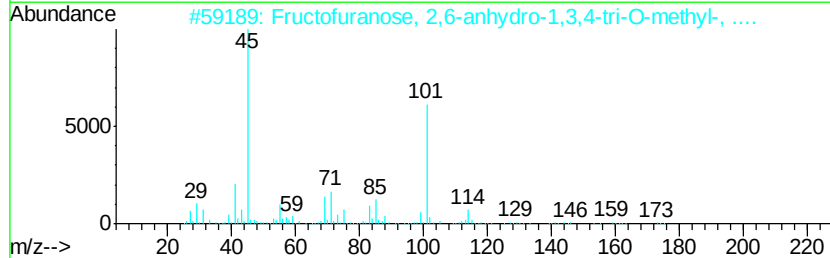
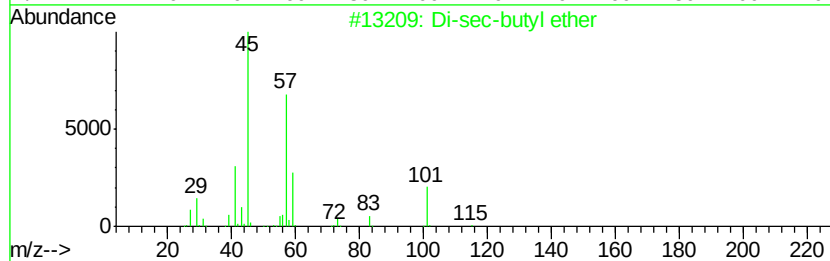
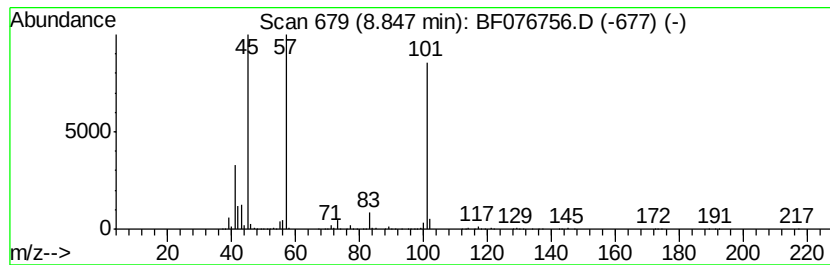
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TH132-SUMP1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Di-sec-butyl ether Concentration Rank 3

| R.T.      | EstConc                             | Area     | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|----------|------------------|-------------|------|
| 8.85      | 4.13 ng                             | 27494900 | Napthalene-d8    | 8.30        |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm          | CAS#        | Qual |
| 1         | Di-sec-butyl ether                  | 130      | C8H18O           | 006863-58-7 | 64   |
| 2         | Fructofuranose, 2,6-anhydro-1,3,... | 204      | C9H16O5          | 004451-11-0 | 39   |
| 3         | Formamide, N,N-diethyl-             | 101      | C5H11NO          | 000617-84-5 | 25   |
| 4         | Butanedioic acid, dipropyl ester    | 202      | C10H18O4         | 000925-15-5 | 25   |
| 5         | Propane, 1-isothiocyanato-          | 101      | C4H7NS           | 000628-30-8 | 23   |



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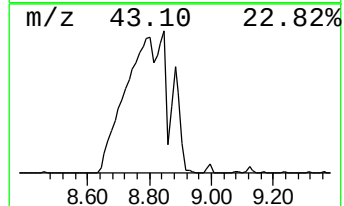
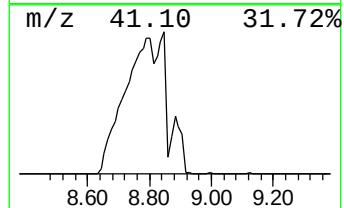
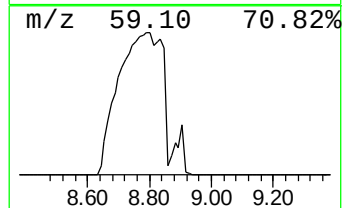
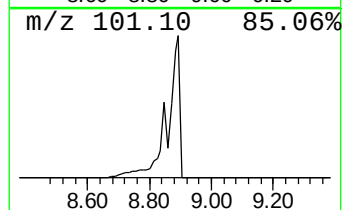
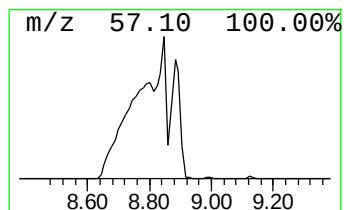
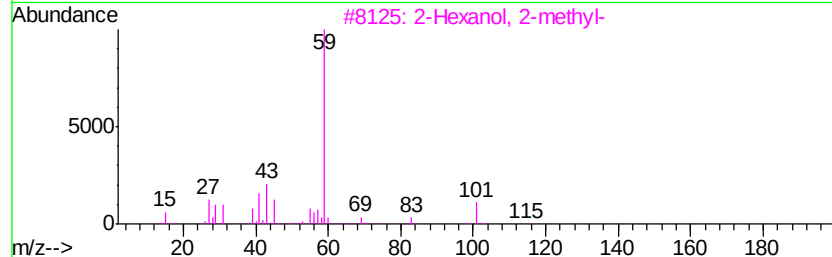
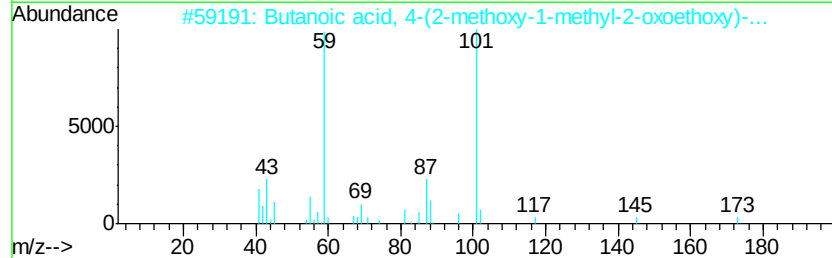
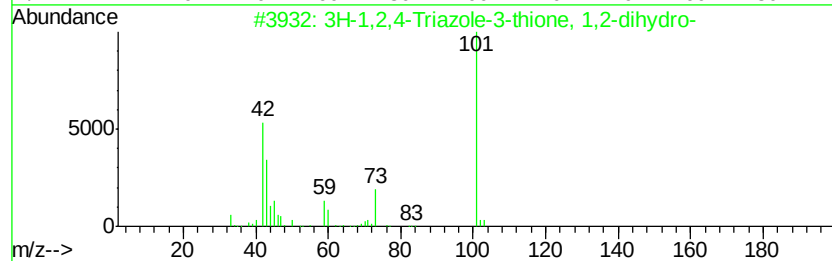
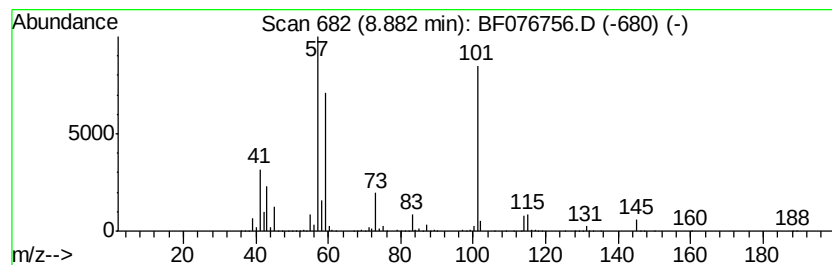
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Peak Number 3 unknown8.88 Concentration Rank 4

| R.T. | EstConc | Area     | Relative to ISTD | R.T. |
|------|---------|----------|------------------|------|
| 8.88 | 2.91 ng | 19356000 | Naphthalene-d8   | 8.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3H-1,2,4-Triazole-3-thione, 1,2-... | 101 | C2H3N3S  | 003179-31-5 | 47   |
| 2    |    | Butanoic acid, 4-(2-methoxy-1-me... | 204 | C9H16O5  | 054966-46-0 | 42   |
| 3    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 40   |
| 4    |    | Succinic acid diisopropyl ester     | 202 | C10H18O4 | 000924-88-9 | 37   |
| 5    |    | Ethanol, 2,2'-oxybis-, dipropanoate | 218 | C10H18O5 | 006942-59-2 | 28   |



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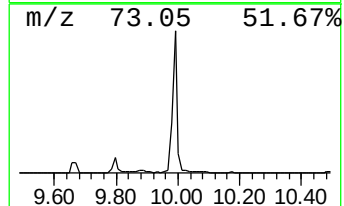
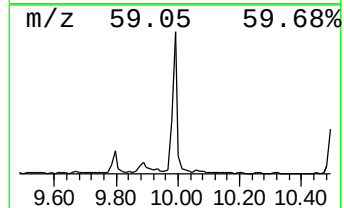
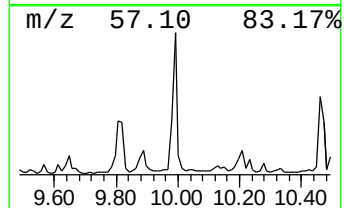
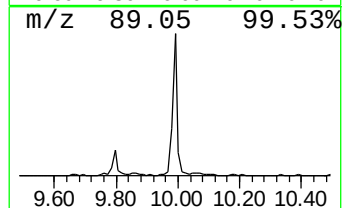
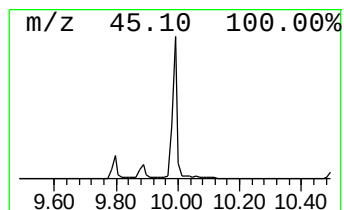
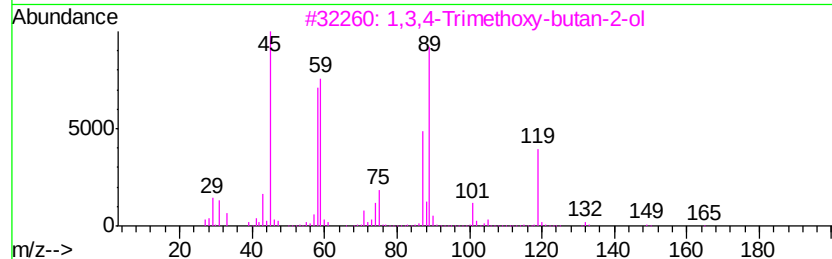
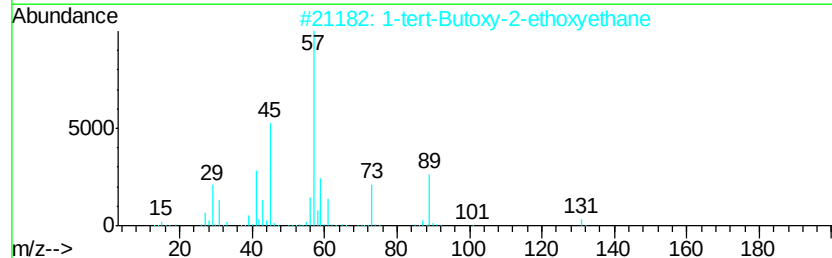
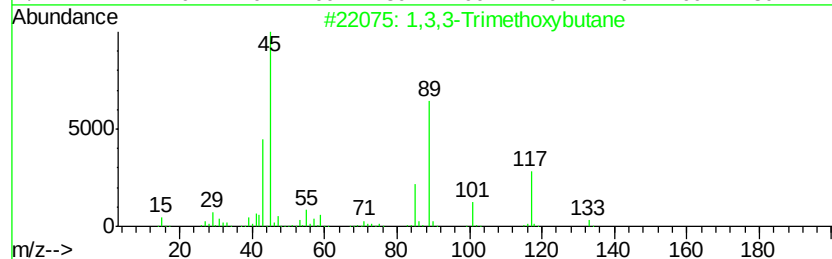
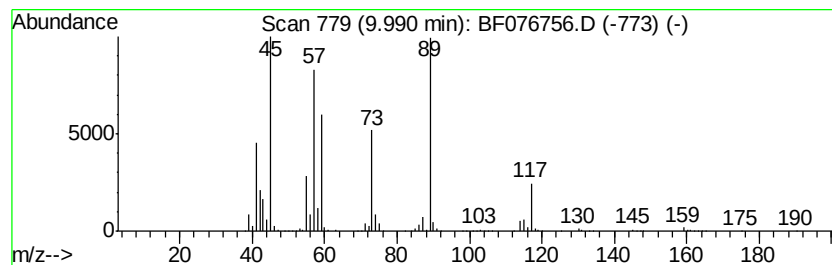
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Peak Number 4 1,3,3-Trimethoxybutane Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T.  |
|------|----------|---------|------------------|-------|
| 9.99 | 11.93 ng | 1639620 | Acenaphthene-d10 | 10.46 |

| Hit# | of | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1,3,3-Trimethoxybutane       | 148 | C7H16O3  | 006607-66-5 | 64   |
| 2    |    | 1-tert-Butoxy-2-ethoxyethane | 146 | C8H18O2  | 051422-54-9 | 64   |
| 3    |    | 1,3,4-Trimethoxybutan-2-ol   | 164 | C7H16O4  | 033469-04-4 | 56   |
| 4    |    | Thiazole, tetrahydro-        | 89  | C3H7NS   | 000504-78-9 | 53   |
| 5    |    | Tripropyl orthoformate       | 190 | C10H22O3 | 000621-76-1 | 40   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |       |           |      |
|----------------------|------|---------|-------|----------|-----------------------|-------|-----------|------|
|                      |      |         |       |          | #                     | RT    | Resp      | Conc |
| Di-sec-butyl ether   | 8.85 | 4.1 ng  |       | 27494900 | 2                     | 8.30  | 133185000 | 20.0 |
| unknown8.88          | 8.88 | 2.9 ng  |       | 19356000 | 2                     | 8.30  | 133185000 | 20.0 |
| 1,3,3-Trimethoxyb... | 9.99 | 11.9 ng |       | 1639620  | 3                     | 10.46 | 2749230   | 20.0 |