

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013018\  
 Data File : BF102642.D  
 Acq On : 30 Jan 2018 16:31  
 Operator : SJ/JU  
 Sample : J1364-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-05

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-BF012218.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         | 4.898       | 475           | 478         | 490          | rBV      | 44246          | 66305         | 1.40%           | 0.197%        |
| 2         | 5.322       | 546           | 550         | 575          | rBV      | 1750100        | 2068279       | 43.82%          | 6.130%        |
| 3         | 6.357       | 722           | 726         | 735          | rBV      | 1023563        | 1342024       | 28.44%          | 3.978%        |
| 4         | 6.481       | 743           | 747         | 756          | rBV      | 3607017        | 3550584       | 75.23%          | 10.524%       |
| 5         | 6.551       | 756           | 759         | 772          | rVB      | 91038          | 144954        | 3.07%           | 0.430%        |
| 6         | 6.710       | 782           | 786         | 794          | rBV      | 1101678        | 972724        | 20.61%          | 2.883%        |
| 7         | 6.863       | 808           | 812         | 816          | rBV      | 3417045        | 3341650       | 70.81%          | 9.904%        |
| 8         | 7.281       | 878           | 883         | 886          | rBV      | 2728119        | 2717437       | 57.58%          | 8.054%        |
| 9         | 7.992       | 1000          | 1004        | 1021         | rBV      | 1425341        | 1358835       | 28.79%          | 4.028%        |
| 10        | 9.069       | 1182          | 1187        | 1190         | rBV      | 4767031        | 4719442       | 100.00%         | 13.988%       |
| 11        | 9.469       | 1248          | 1255        | 1262         | rBV      | 74687          | 97966         | 2.08%           | 0.290%        |
| 12        | 9.669       | 1286          | 1289        | 1293         | rBV      | 70307          | 62066         | 1.32%           | 0.184%        |
| 13        | 9.745       | 1298          | 1302        | 1312         | rVB      | 1525405        | 1477610       | 31.31%          | 4.380%        |
| 14        | 10.163      | 1370          | 1373        | 1377         | rVB2     | 193204         | 185510        | 3.93%           | 0.550%        |
| 15        | 10.257      | 1387          | 1389        | 1399         | rVB4     | 34471          | 62907         | 1.33%           | 0.186%        |
| 16        | 10.539      | 1433          | 1437        | 1451         | rBV      | 2366697        | 2499233       | 52.96%          | 7.408%        |
| 17        | 10.657      | 1451          | 1457        | 1468         | rVV2     | 338113         | 489083        | 10.36%          | 1.450%        |
| 18        | 11.233      | 1551          | 1555        | 1574         | rBV      | 1426966        | 1455715       | 30.85%          | 4.315%        |
| 19        | 12.821      | 1819          | 1825        | 1828         | rBV      | 4034495        | 4375868       | 92.72%          | 12.970%       |
| 20        | 13.704      | 1971          | 1975        | 1984         | rBV      | 175253         | 233506        | 4.95%           | 0.692%        |
| 21        | 13.874      | 2000          | 2004        | 2017         | rBV      | 1363546        | 1356793       | 28.75%          | 4.021%        |
| 22        | 15.309      | 2242          | 2248        | 2260         | rBV      | 773221         | 1112908       | 23.58%          | 3.299%        |
| 23        | 18.662      | 2816          | 2818        | 2828         | rVB8     | 20931          | 47477         | 1.01%           | 0.141%        |

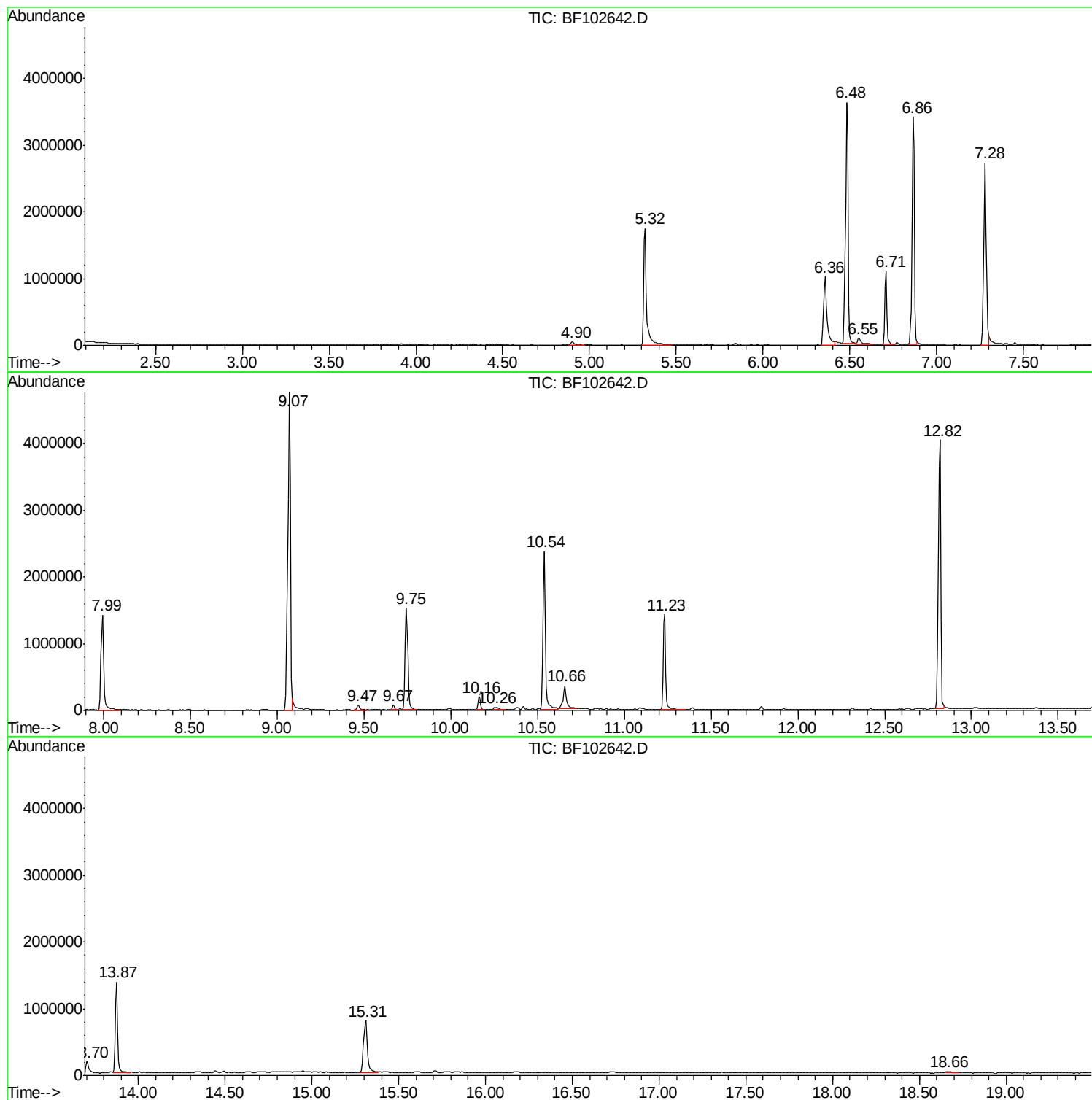
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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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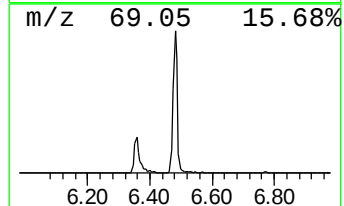
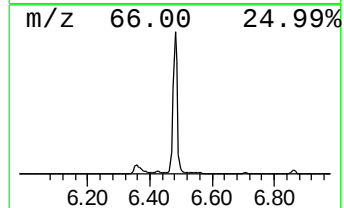
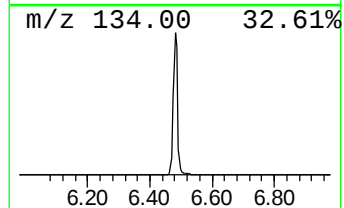
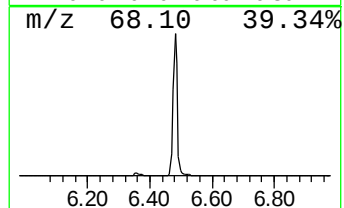
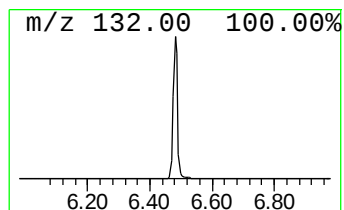
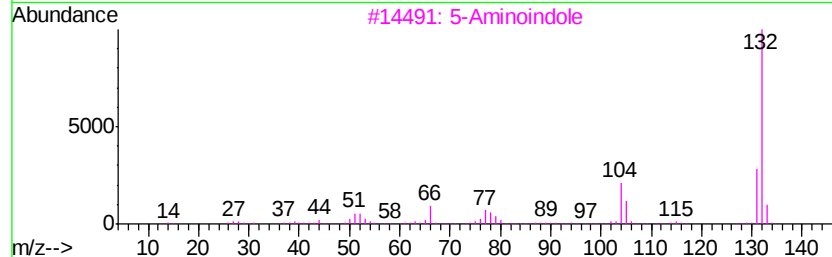
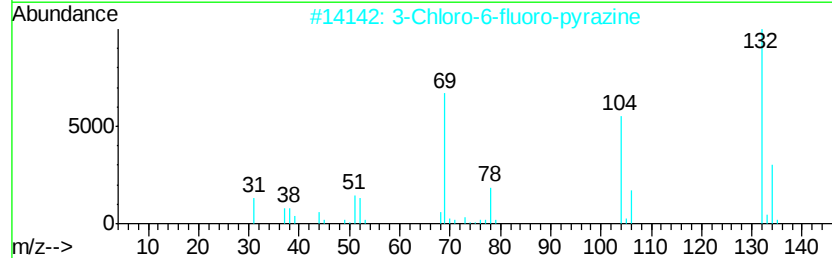
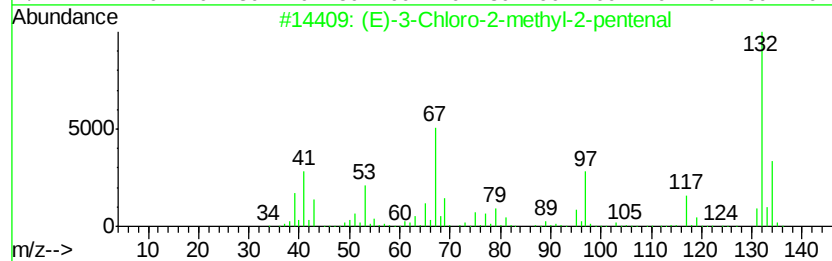
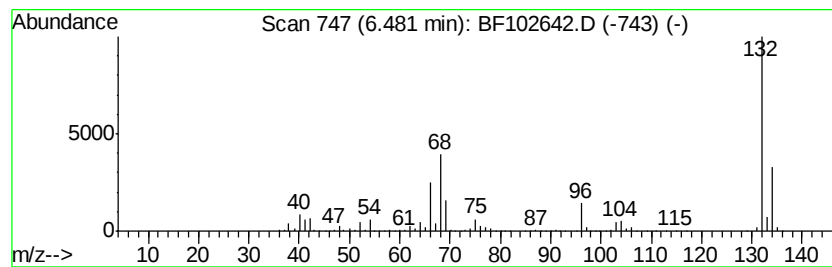
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.48 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.48 | 73.00 ng | 3550580 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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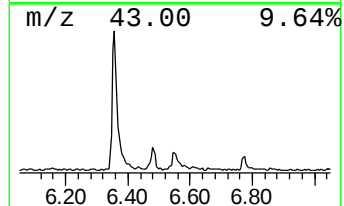
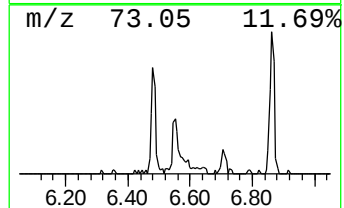
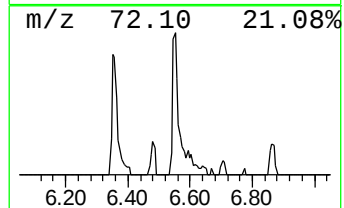
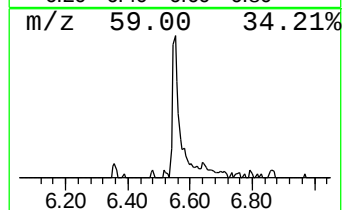
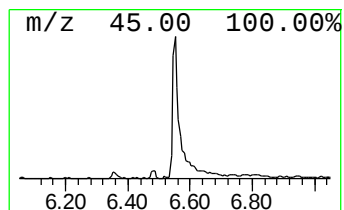
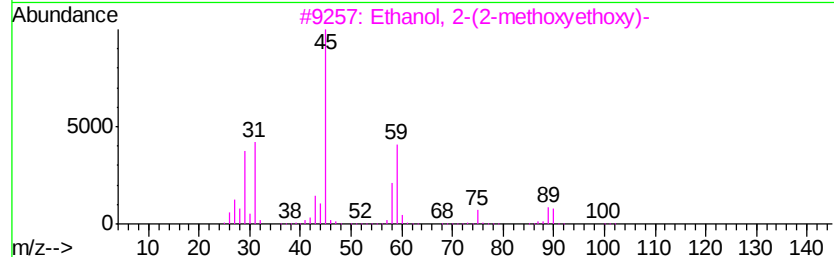
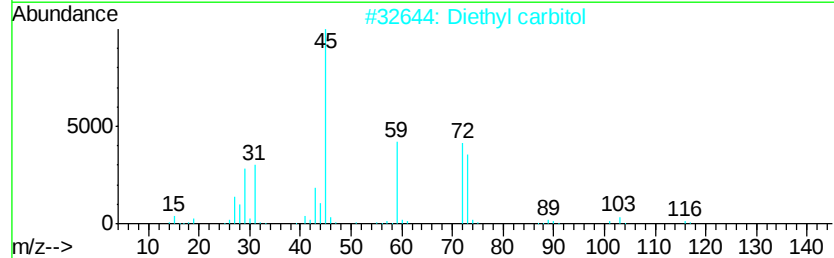
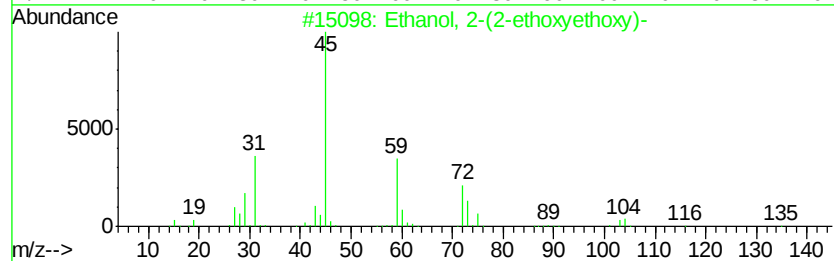
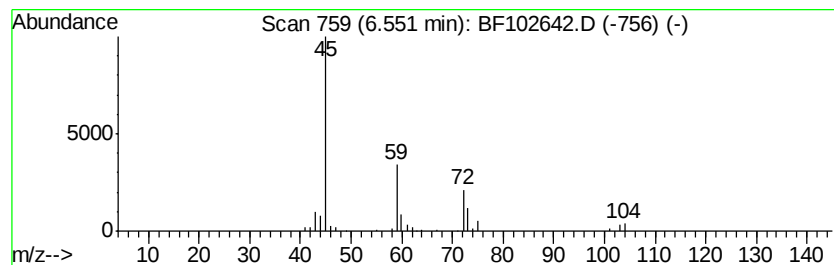
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Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.55 | 2.98 ng | 144954 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxvethoxy)-        | 134 | C6H14O3 | 000111-90-0 | 83   |
| 2    |    | Diethyl carbitol                    | 162 | C8H18O3 | 000112-36-7 | 78   |
| 3    |    | Ethanol, 2-(2-methoxvethoxy)-       | 120 | C5H12O3 | 000111-77-3 | 53   |
| 4    |    | Ethanol, 2-[2-(2-ethoxvethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 38   |
| 5    |    | 2-Butanol, 3-methyl-                | 88  | C5H12O  | 000598-75-4 | 38   |



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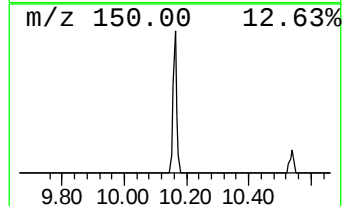
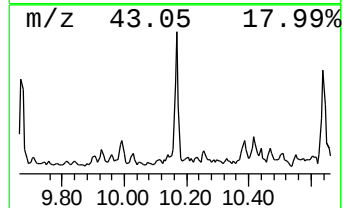
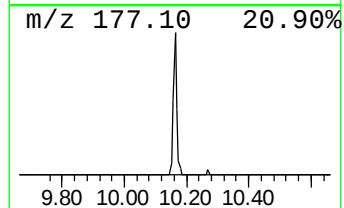
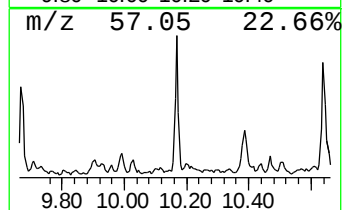
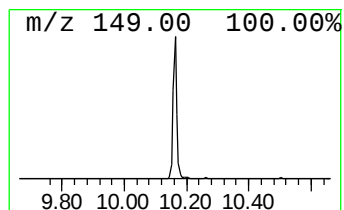
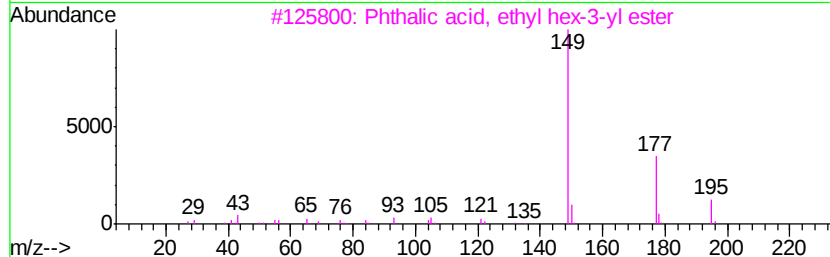
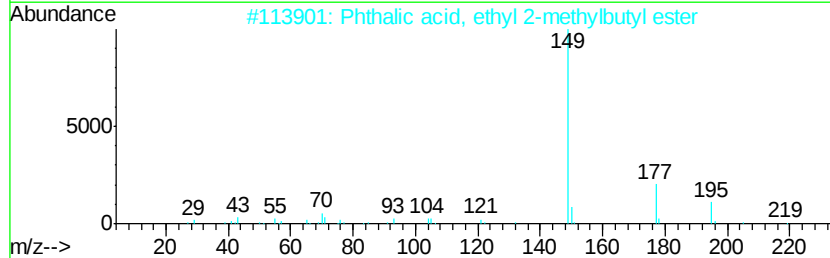
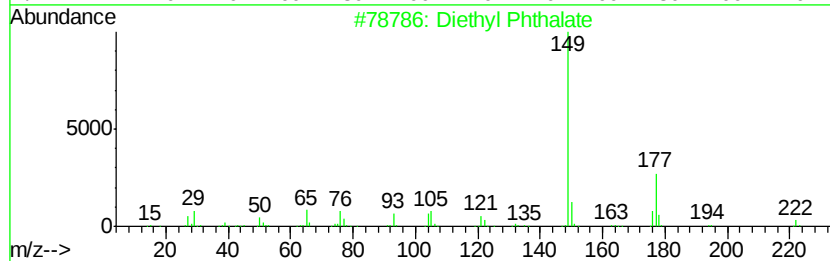
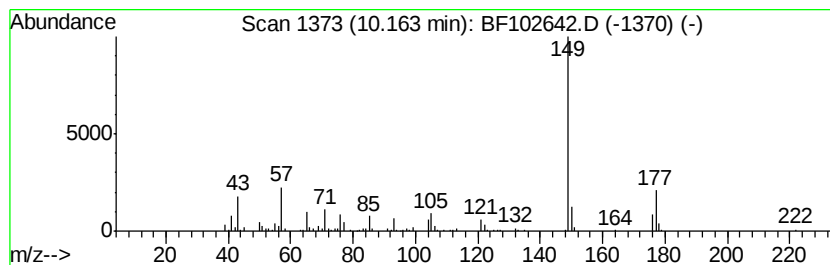
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Diethyl Phthalate Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.16 | 2.51 ng | 185510 | Acenaphthene-d10 | 9.75 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|---------|---|--------------------------------------|-----|-----------|--------------|------|
| 1       |   | Diethyl Phthalate                    | 222 | C12H14O4  | 000084-66-2  | 95   |
| 2       |   | Phthalic acid, ethyl 2-methylbut...  | 264 | C15H20O4  | 1000322-81-0 | 78   |
| 3       |   | Phthalic acid, ethyl hex-3-yl ester  | 278 | C16H22O4  | 1000356-95-2 | 72   |
| 4       |   | Phthalic acid, monoamide, N-ethyl... | 311 | C19H21NO3 | 1000309-85-4 | 72   |
| 5       |   | Phthalic acid, ethyl pentadecyl ...  | 404 | C25H40O4  | 1000308-93-3 | 72   |



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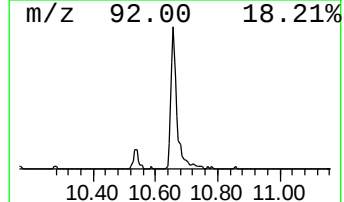
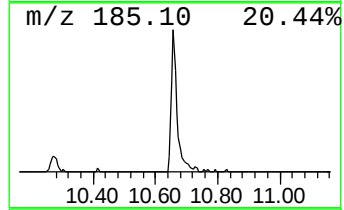
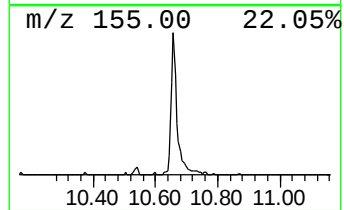
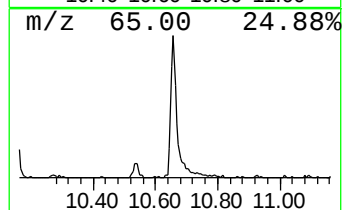
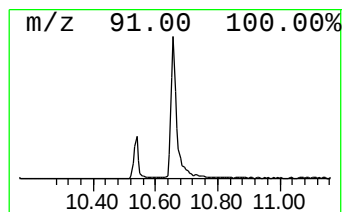
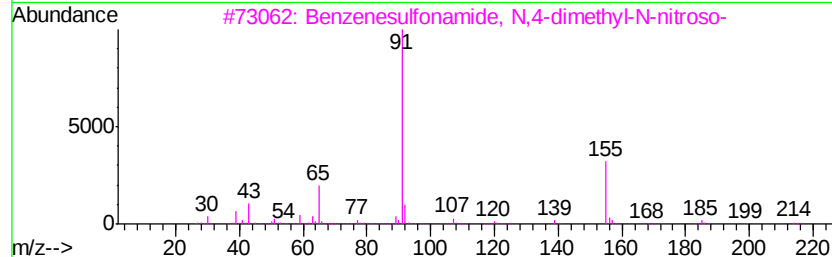
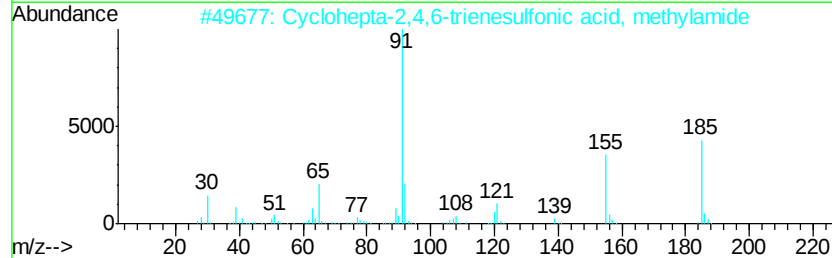
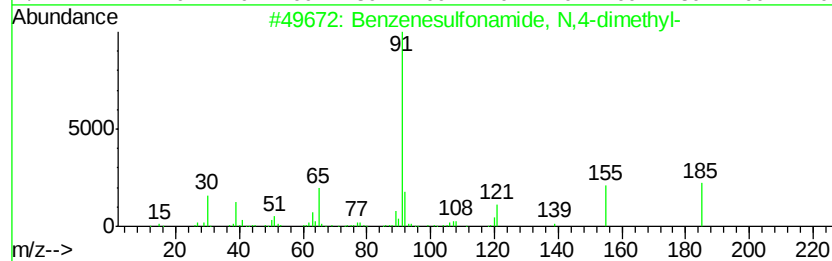
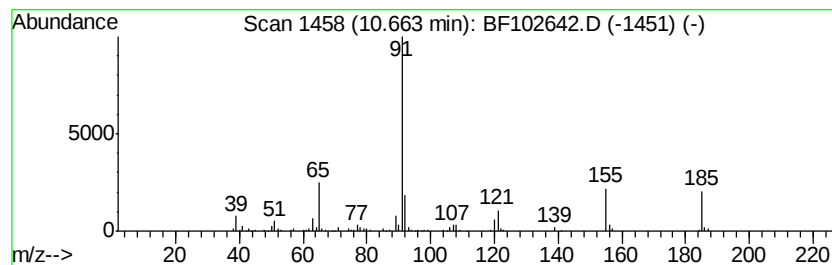
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Peak Number 5 Benzenesulfonamide, N,4-dim... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.66     | 6.72 ng                             | 489083 | Phenanthrene-d10 | 11.23        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Benzenesulfonamide, N,4-dimethyl-   | 185    | C8H11NO2S        | 000640-61-9  | 94   |
| 2         | Cyclohepta-2,4,6-trienesulfonic ... | 185    | C8H11NO2S        | 1000187-28-7 | 81   |
| 3         | Benzenesulfonamide, N,4-dimethyl... | 214    | C8H10N2O3S       | 000080-11-5  | 53   |
| 4         | 4-Toluenesulfonylmethyl isocyanide  | 195    | C9H9NO2S         | 036635-61-7  | 50   |
| 5         | (O-p-Tosylisonitroso)malononitrile  | 249    | C10H7N3O3S       | 020893-01-0  | 50   |



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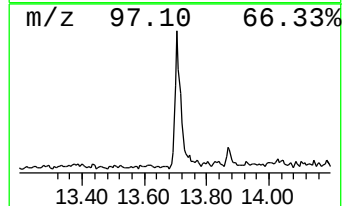
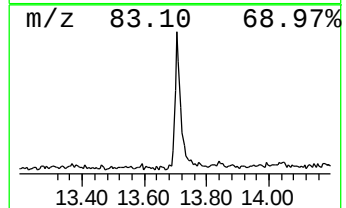
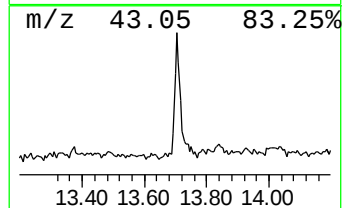
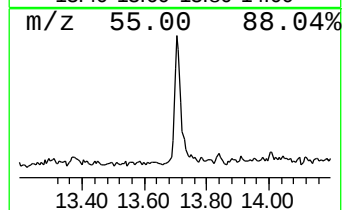
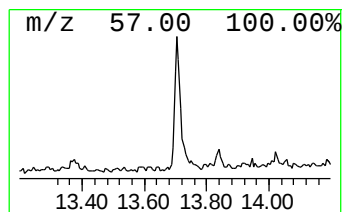
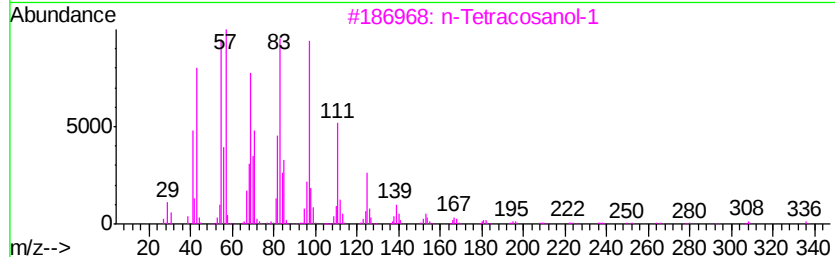
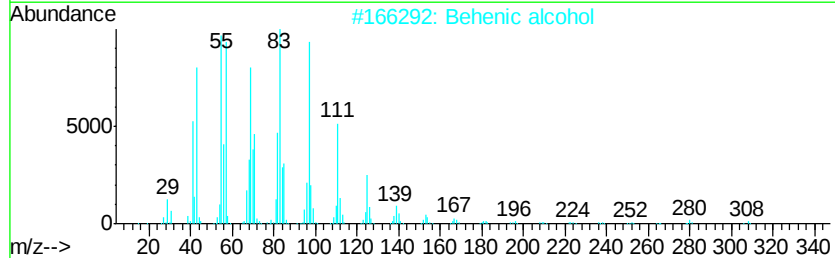
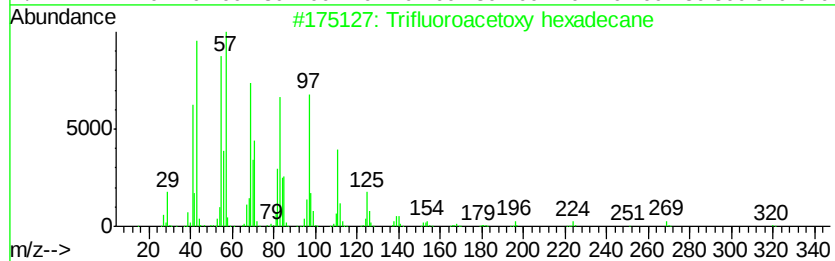
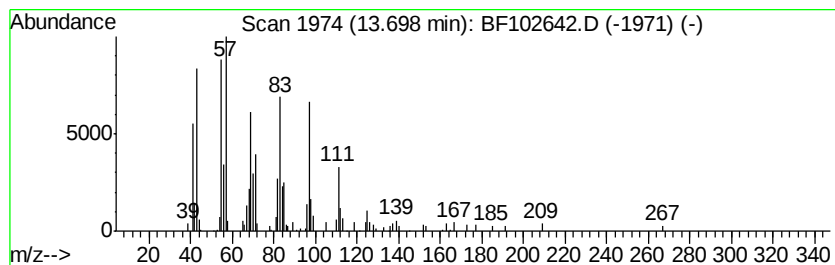
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Peak Number 6 Trifluoroacetoxy hexadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.70 | 3.44 ng | 233506 | Chrysene-d12     | 13.87 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3  | 95   |
| 2       |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 94   |
| 3       |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4  | 94   |
| 4       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 94   |
| 5       |   | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2  | 1000351-87-0 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013018\  
Data File : BF102642.D  
Acq On : 30 Jan 2018 16:31  
Operator : SJ/JU  
Sample : J1364-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-05

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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 |
| unknown6.48          | 6.48  | 73.0    | ng    | 3550580  | 1                     | 6.71  | 972724  | 20.0 |
| Ethanol, 2-(2-eth... | 6.55  | 3.0     | ng    | 144954   | 1                     | 6.71  | 972724  | 20.0 |
| Diethyl Phthalate    | 10.16 | 2.5     | ng    | 185510   | 3                     | 9.75  | 1477610 | 20.0 |
| Benzenesulfonamid... | 10.66 | 6.7     | ng    | 489083   | 4                     | 11.23 | 1455720 | 20.0 |
| Trifluoroacetoxy ... | 13.70 | 3.4     | ng    | 233506   | 5                     | 13.87 | 1356790 | 20.0 |