

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\  
 Data File : BF093309.D  
 Acq On : 2 Mar 2017 00:28  
 Operator : SJ/MA  
 Sample : I2036-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-03-001-C

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-BF013017.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         | 4.956       | 248           | 251         | 262          | rBV      | 856207         | 1213685       | 39.36%          | 4.317%        |
| 2         | 5.401       | 287           | 290         | 301          | rBV      | 2898950        | 2959191       | 95.97%          | 10.527%       |
| 3         | 6.453       | 379           | 382         | 390          | rBV      | 2788581        | 3041357       | 98.64%          | 10.819%       |
| 4         | 6.579       | 390           | 393         | 395          | rBV      | 2836499        | 3083383       | 100.00%         | 10.969%       |
| 5         | 6.807       | 410           | 413         | 415          | rBV      | 742343         | 764513        | 24.79%          | 2.720%        |
| 6         | 6.956       | 424           | 426         | 429          | rBV      | 1874161        | 2270688       | 73.64%          | 8.078%        |
| 7         | 7.379       | 460           | 463         | 465          | rBV      | 1937719        | 1973988       | 64.02%          | 7.022%        |
| 8         | 8.087       | 523           | 525         | 528          | rBV      | 806317         | 997875        | 32.36%          | 3.550%        |
| 9         | 9.162       | 617           | 619         | 622          | rBV      | 2358684        | 3027738       | 98.20%          | 10.771%       |
| 10        | 9.562       | 652           | 654         | 658          | rVB      | 163230         | 163007        | 5.29%           | 0.580%        |
| 11        | 9.848       | 676           | 679         | 681          | rBV      | 850404         | 1097297       | 35.59%          | 3.903%        |
| 12        | 10.270      | 715           | 716         | 718          | rVB      | 52353          | 38400         | 1.25%           | 0.137%        |
| 13        | 10.636      | 745           | 748         | 750          | rBV      | 1393967        | 1508711       | 48.93%          | 5.367%        |
| 14        | 10.750      | 756           | 758         | 764          | rVB2     | 90712          | 152689        | 4.95%           | 0.543%        |
| 15        | 11.185      | 794           | 796         | 798          | rBV      | 46510          | 67473         | 2.19%           | 0.240%        |
| 16        | 11.322      | 806           | 808         | 813          | rBV2     | 666389         | 1168498       | 37.90%          | 4.157%        |
| 17        | 11.402      | 813           | 815         | 817          | rVB      | 45317          | 51456         | 1.67%           | 0.183%        |
| 18        | 11.859      | 854           | 855         | 857          | rVV      | 37430          | 43344         | 1.41%           | 0.154%        |
| 19        | 11.939      | 861           | 862         | 867          | rVB2     | 32000          | 59774         | 1.94%           | 0.213%        |
| 20        | 12.545      | 912           | 915         | 917          | rBV      | 189768         | 190609        | 6.18%           | 0.678%        |
| 21        | 12.774      | 929           | 935         | 937          | rBV      | 150225         | 202112        | 6.55%           | 0.719%        |
| 22        | 12.911      | 945           | 947         | 950          | rBV      | 2169930        | 2117591       | 68.68%          | 7.533%        |
| 23        | 13.208      | 971           | 973         | 975          | rBV2     | 21097          | 38204         | 1.24%           | 0.136%        |
| 24        | 13.814      | 1023          | 1026        | 1029         | rBV3     | 81465          | 171831        | 5.57%           | 0.611%        |
| 25        | 13.974      | 1037          | 1040        | 1041         | rBV      | 688546         | 844546        | 27.39%          | 3.004%        |
| 26        | 15.391      | 1162          | 1164        | 1167         | rBV      | 567366         | 863264        | 28.00%          | 3.071%        |

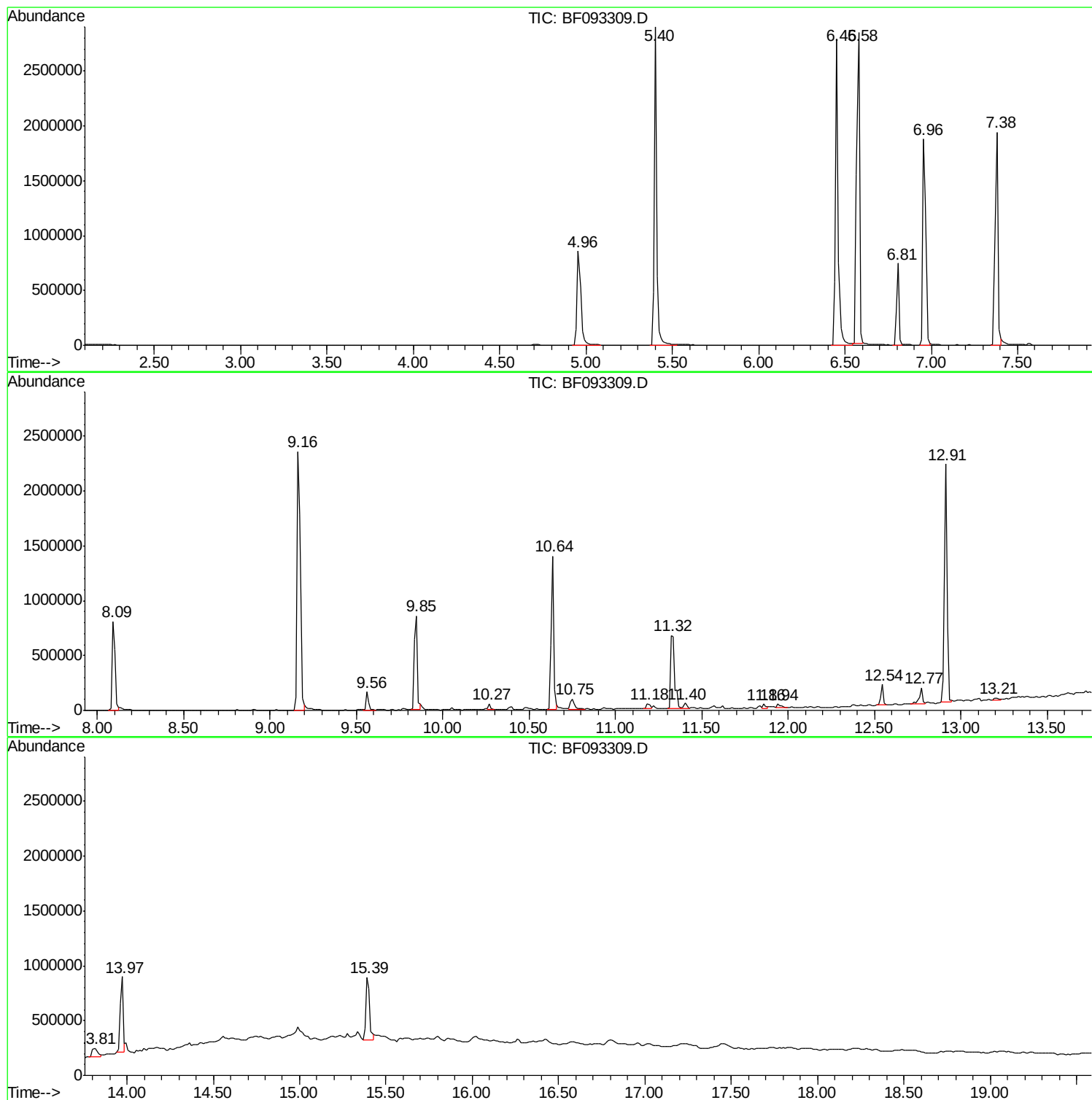
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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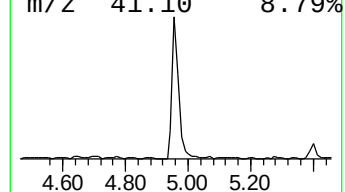
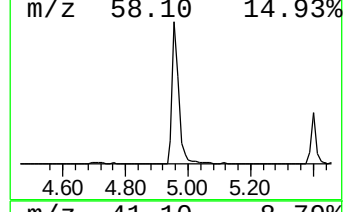
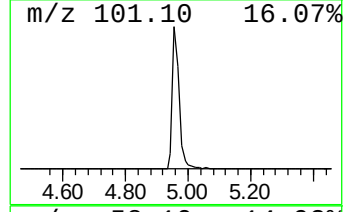
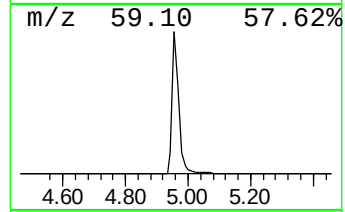
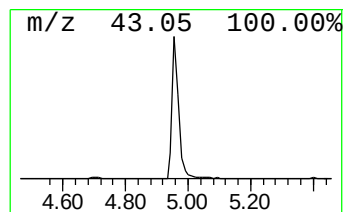
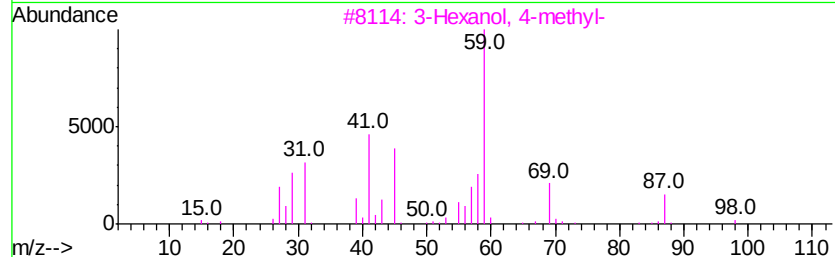
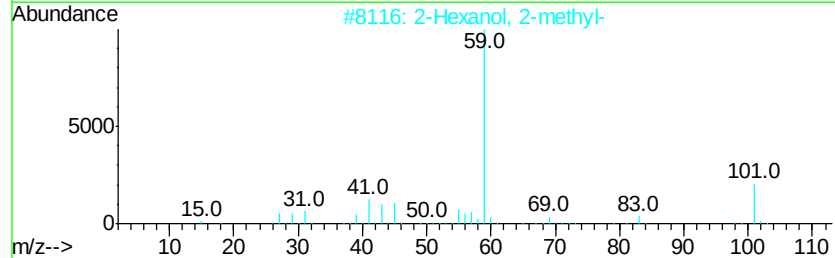
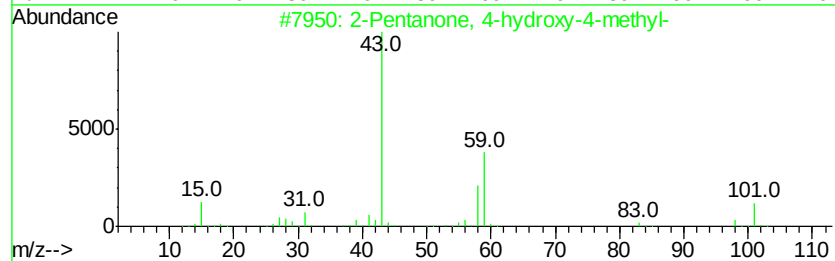
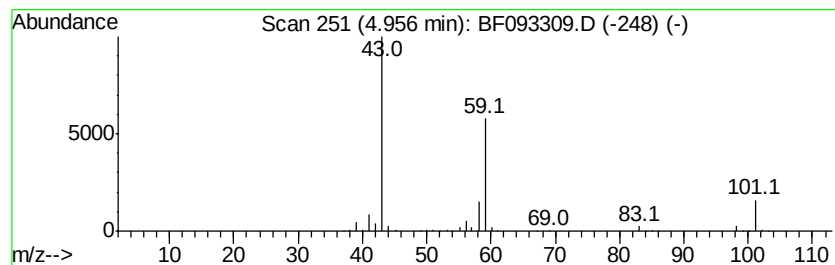
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|---------|------------------------|------|
| 4.96 | 31.75 ng | 1213690 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | 2-Hexanol, 2-methyl-                 | 116 | C7H16O   | 000625-23-0 | 33   |
| 3    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | Propane, 2-methyl-2-(1-methylethyl)- | 116 | C7H16O   | 017348-59-3 | 33   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethyl-   | 141 | C7H11NO2 | 001116-98-9 | 25   |



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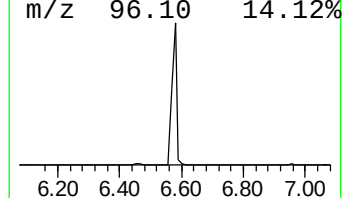
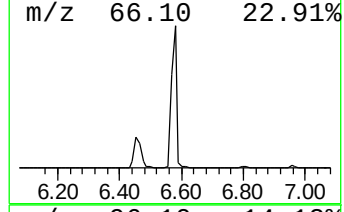
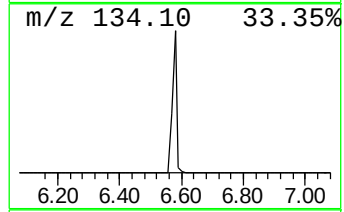
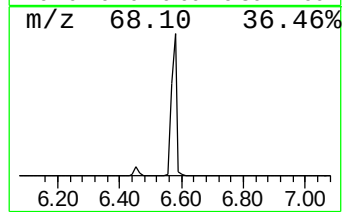
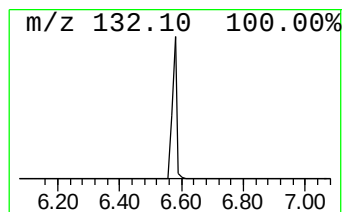
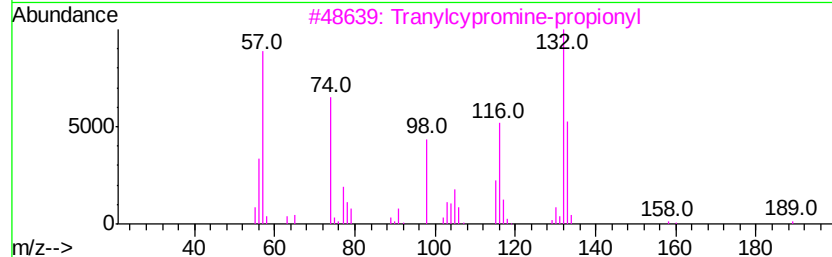
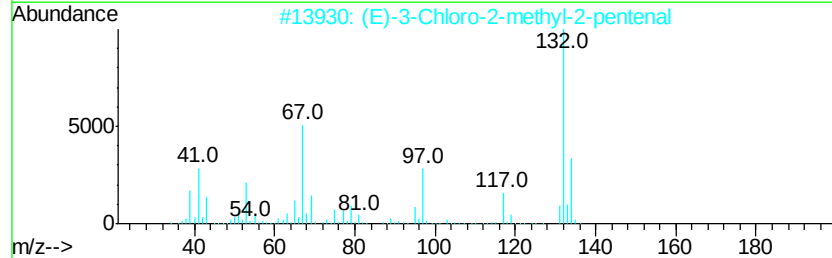
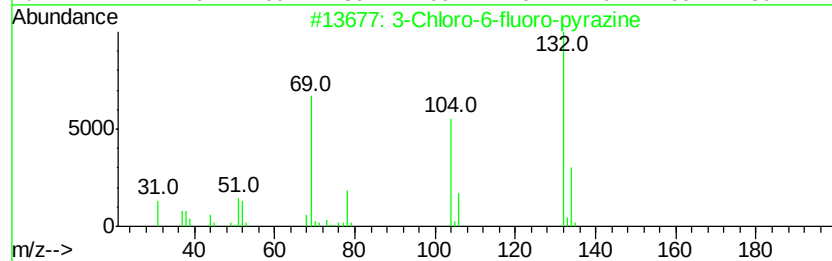
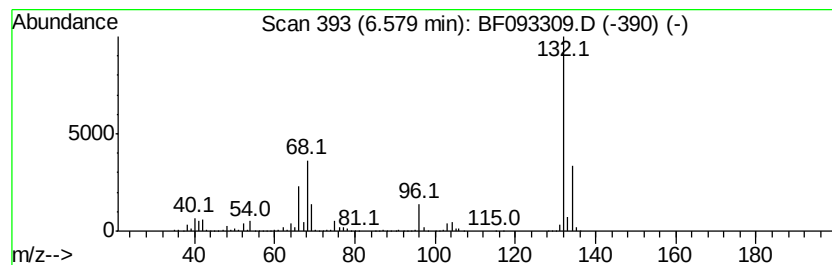
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 2 unknown6.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 80.66 ng | 3083380 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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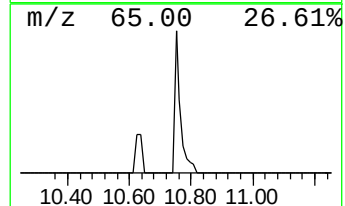
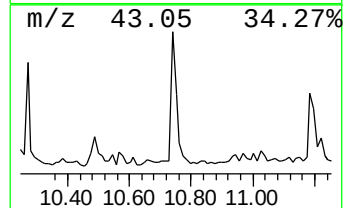
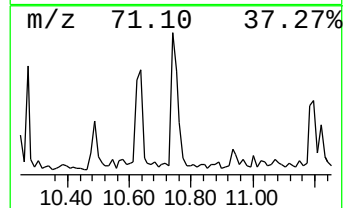
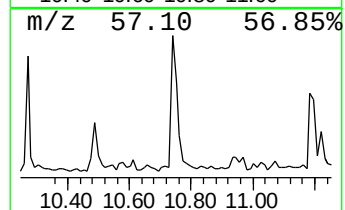
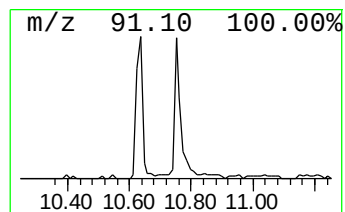
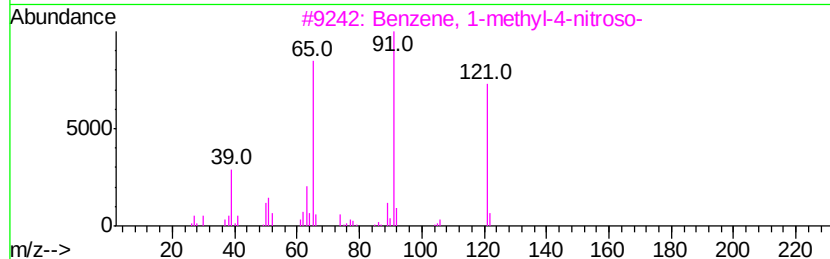
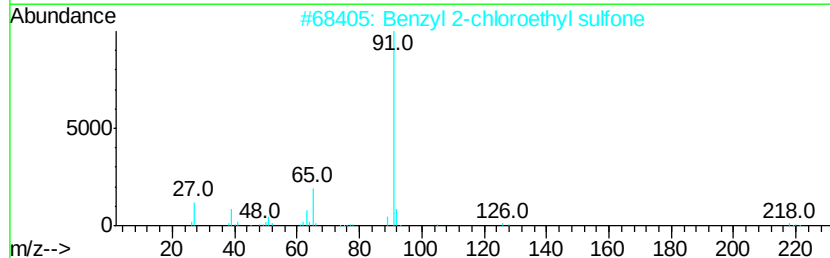
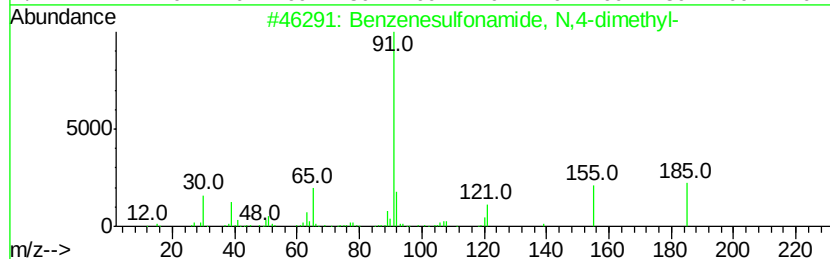
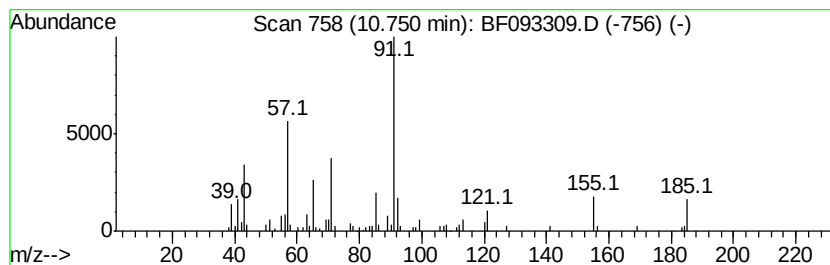
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TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.75     | 2.61 ng                             | 152689 | Phenanthrene-d10 | 11.33       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzenesulfonamide, N,4-dimethyl-   | 185    | C8H11NO2S        | 000640-61-9 | 55   |
| 2         | Benzyl 2-chloroethyl sulfone        | 218    | C9H11ClO2S       | 066998-67-2 | 27   |
| 3         | Benzene, 1-methyl-4-nitroso-        | 121    | C7H7NO           | 000623-11-0 | 22   |
| 4         | Benzene, (phenoxyethyl)-            | 184    | C13H12O          | 000946-80-5 | 22   |
| 5         | 3,5,6-Trichloro-2-pyridyl .alpha... | 351    | C12H8Cl3NO3S     | 058236-69-4 | 22   |



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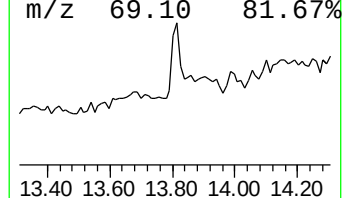
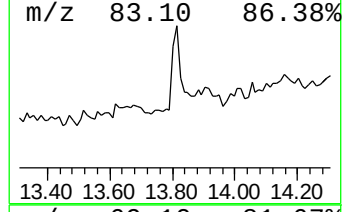
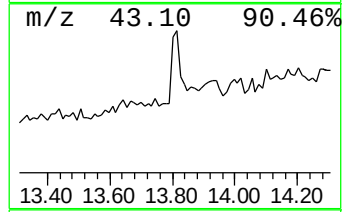
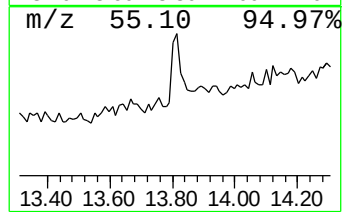
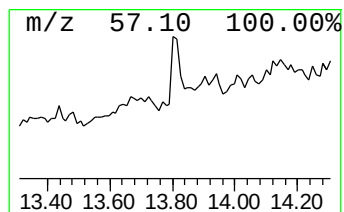
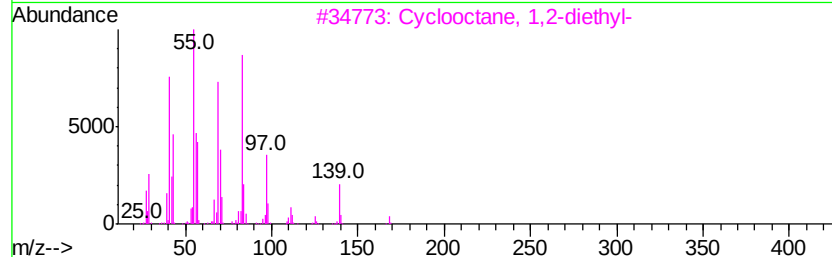
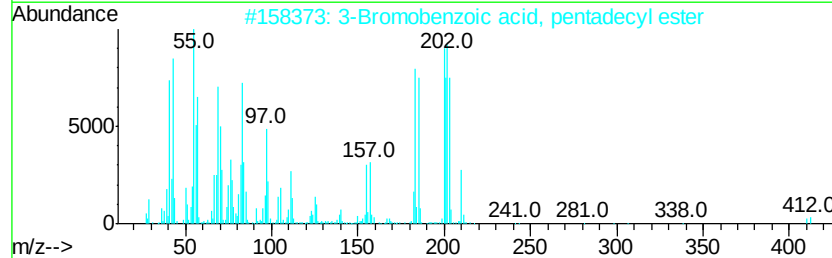
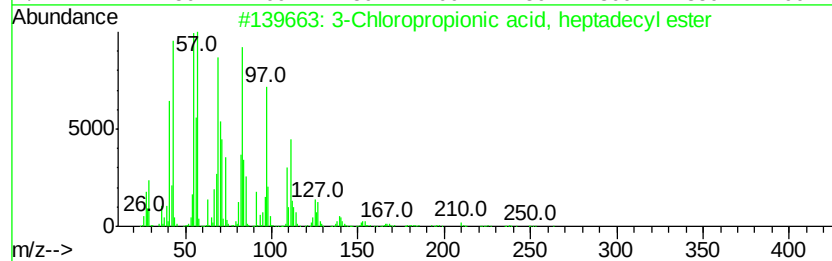
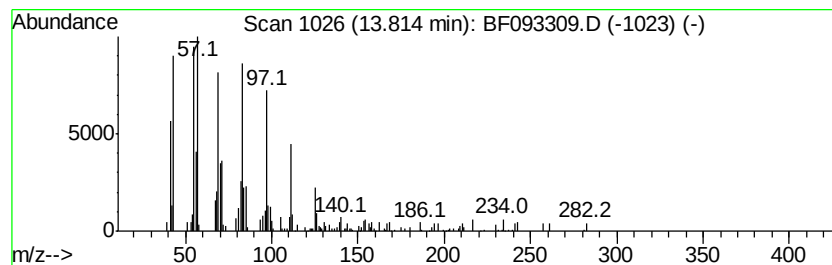
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Peak Number 5 3-Chloropropionic acid, hep... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.81 | 4.07 ng | 171831 | Chrysene-d12     | 13.97 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|---------|---|-------------------------------------|-----|------------|--------------|------|
| 1       |   | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2 | 1000283-05-1 | 87   |
| 2       |   | 3-Bromobenzoic acid, pentadecyl ... | 410 | C22H35BrO2 | 1000281-95-1 | 74   |
| 3       |   | Cyclooctane, 1,2-diethyl-           | 168 | C12H24     | 023609-46-3  | 70   |
| 4       |   | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9  | 68   |
| 5       |   | 1-Pentadecene                       | 210 | C15H30     | 013360-61-7  | 62   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.96  | 31.8    | ng    | 1213690  | 1                     | 6.81  | 764513  | 20.0 |
| unknown6.58          | 6.58  | 80.7    | ng    | 3083380  | 1                     | 6.81  | 764513  | 20.0 |
| Benzenesulfonamid... | 10.75 | 2.6     | ng    | 152689   | 4                     | 11.33 | 1168500 | 20.0 |
| 3-Chloropropionic... | 13.81 | 4.1     | ng    | 171831   | 5                     | 13.97 | 844546  | 20.0 |