

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062215\  
 Data File : BF080100.D  
 Acq On : 22 Jun 2015 18:07  
 Operator : TP/IZ  
 Sample : G2716-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AC-UNDERCUT(0-2)-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\_F\METHODS\8270-BF061715.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         | 5.533       | 212           | 214         | 217          | rBV      | 282007         | 257286        | 17.53%          | 2.298%        |
| 2         | 5.933       | 246           | 249         | 251          | rBV      | 925670         | 1037622       | 70.70%          | 9.267%        |
| 3         | 6.333       | 282           | 284         | 286          | rBB      | 20154          | 17142         | 1.17%           | 0.153%        |
| 4         | 6.550       | 300           | 303         | 308          | rBV      | 27497          | 32633         | 2.22%           | 0.291%        |
| 5         | 6.916       | 333           | 335         | 338          | rBV      | 878729         | 1039037       | 70.80%          | 9.280%        |
| 6         | 7.087       | 348           | 350         | 352          | rBV      | 1406552        | 1180055       | 80.41%          | 10.539%       |
| 7         | 7.316       | 369           | 370         | 373          | rBB      | 201797         | 246377        | 16.79%          | 2.200%        |
| 8         | 7.476       | 382           | 384         | 387          | rBV      | 810465         | 791836        | 53.96%          | 7.072%        |
| 9         | 7.876       | 417           | 419         | 421          | rBV      | 910202         | 712711        | 48.57%          | 6.365%        |
| 10        | 8.607       | 481           | 483         | 486          | rBV      | 334176         | 342740        | 23.35%          | 3.061%        |
| 11        | 9.693       | 575           | 578         | 580          | rVB      | 903438         | 1226594       | 83.58%          | 10.955%       |
| 12        | 10.070      | 610           | 611         | 614          | rBB      | 49401          | 46758         | 3.19%           | 0.418%        |
| 13        | 10.379      | 636           | 638         | 641          | rVB2     | 339616         | 397665        | 27.10%          | 3.552%        |
| 14        | 10.688      | 661           | 665         | 668          | rBV      | 12346          | 15445         | 1.05%           | 0.138%        |
| 15        | 11.088      | 698           | 700         | 702          | rBB      | 36768          | 31231         | 2.13%           | 0.279%        |
| 16        | 11.179      | 705           | 708         | 710          | rBV      | 693341         | 776551        | 52.92%          | 6.935%        |
| 17        | 11.888      | 768           | 770         | 772          | rBV      | 564625         | 461195        | 31.43%          | 4.119%        |
| 18        | 13.579      | 916           | 918         | 921          | rBV      | 1478538        | 1467537       | 100.00%         | 13.107%       |
| 19        | 14.654      | 1010          | 1012        | 1021         | rBV      | 71045          | 117772        | 8.03%           | 1.052%        |
| 20        | 14.871      | 1029          | 1031        | 1034         | rBV      | 474788         | 494485        | 33.69%          | 4.416%        |
| 21        | 16.768      | 1193          | 1197        | 1202         | rBV      | 295729         | 480817        | 32.76%          | 4.294%        |
| 22        | 17.454      | 1254          | 1257        | 1263         | rBV5     | 6714           | 23391         | 1.59%           | 0.209%        |

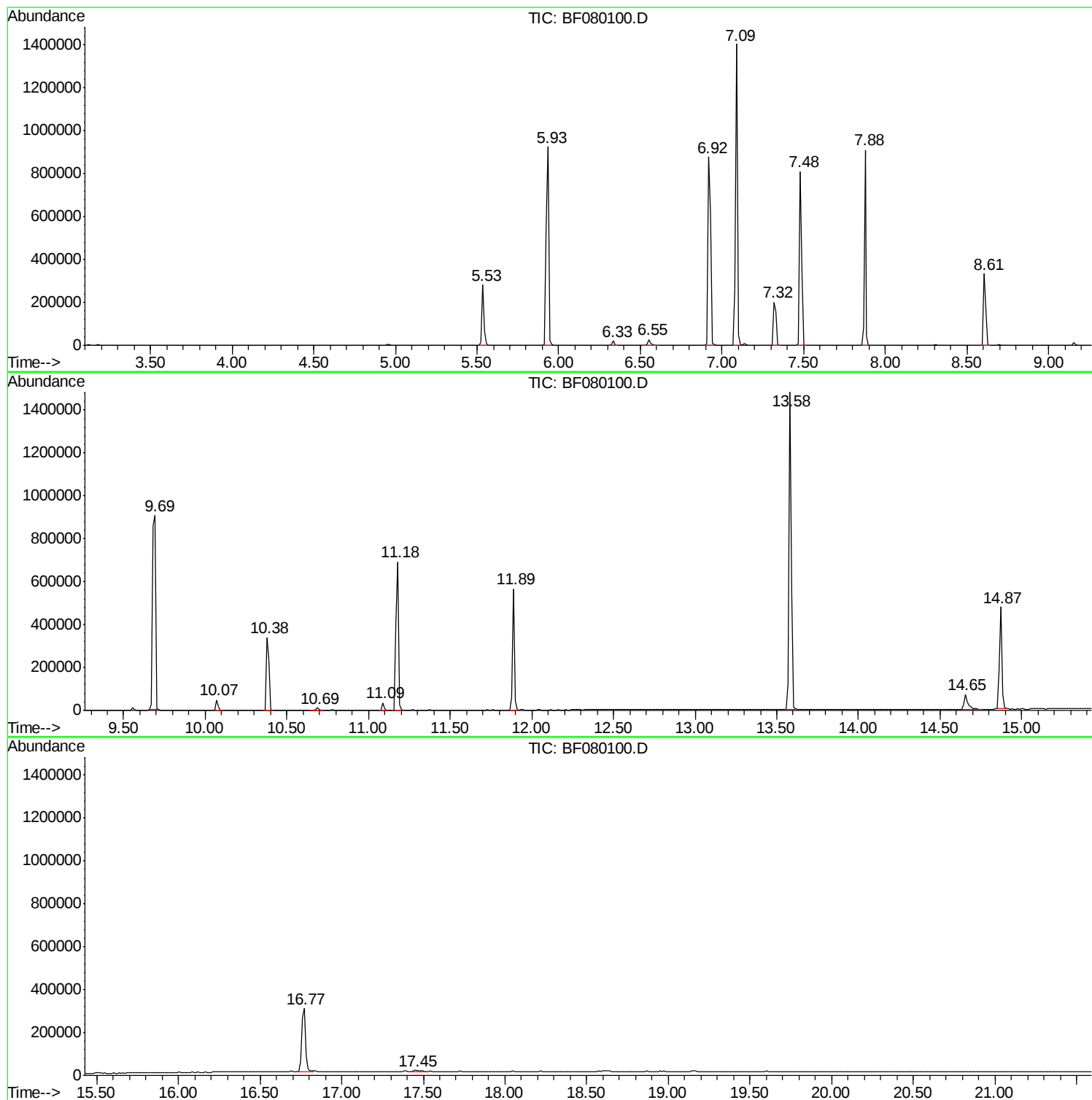
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AC-UNDERCUT(0-2)-4

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.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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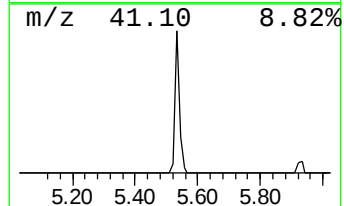
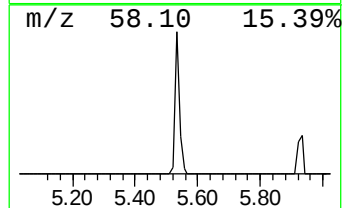
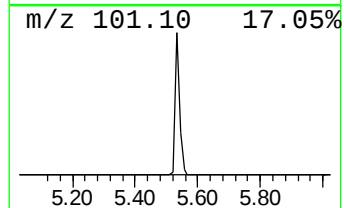
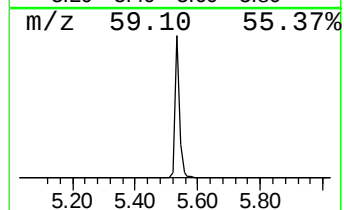
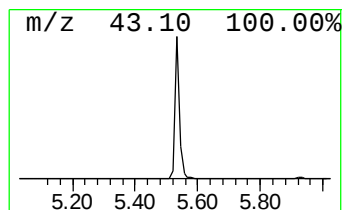
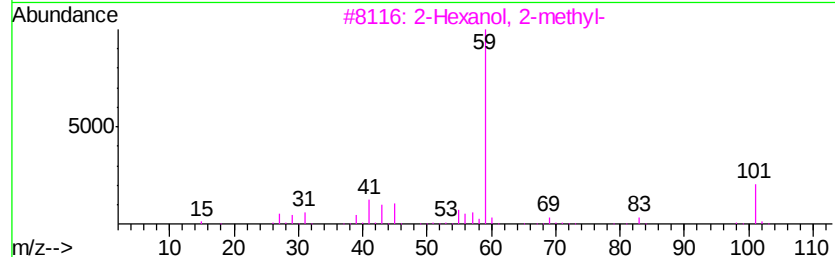
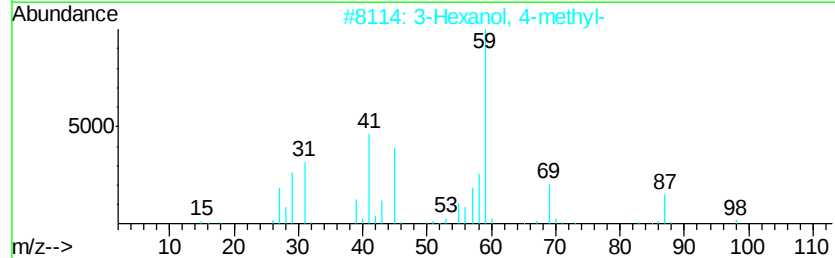
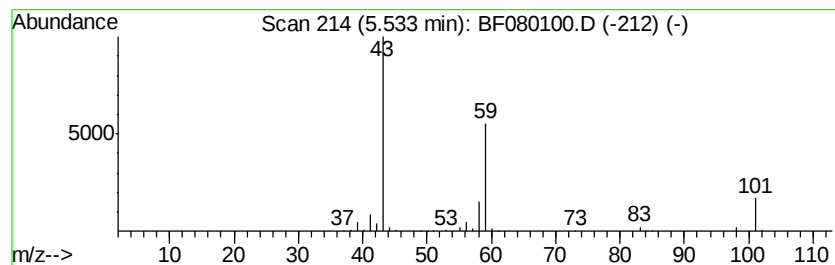
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 5.53 | 20.89 ng | 257286 | 1,4-Dichlorobenzene-d4 | 7.33 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
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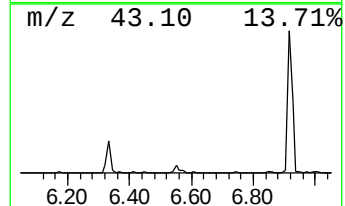
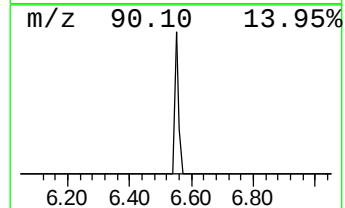
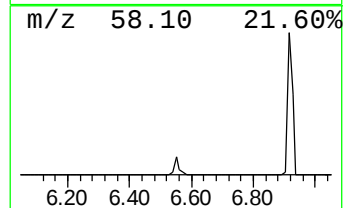
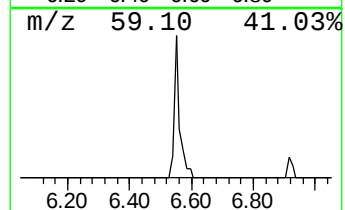
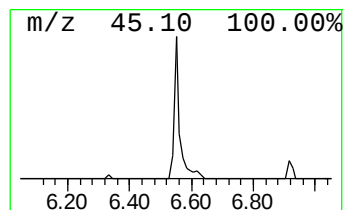
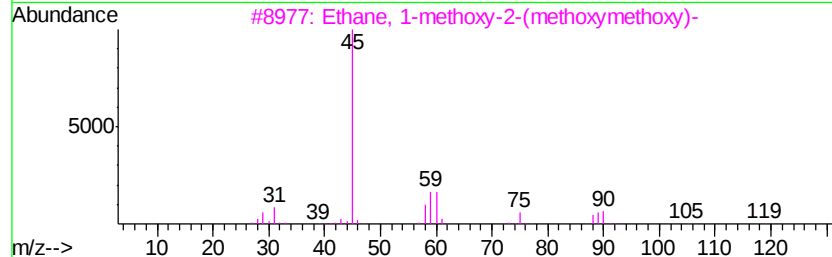
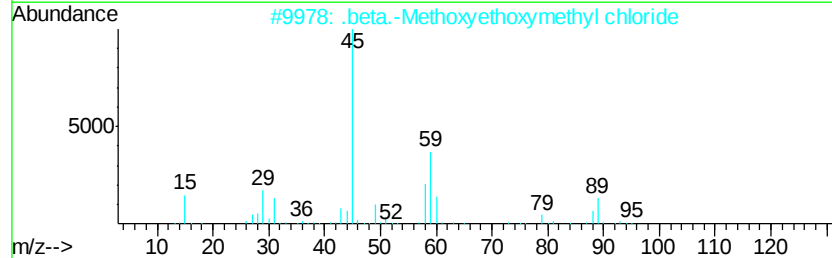
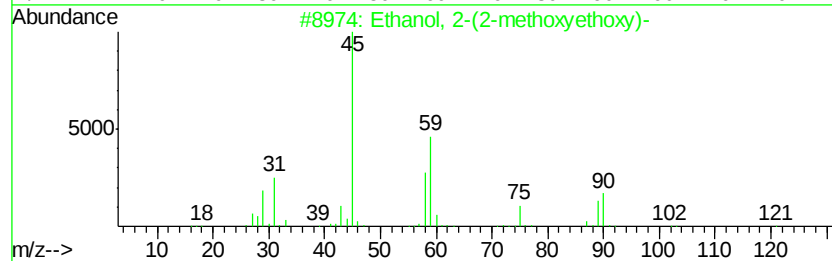
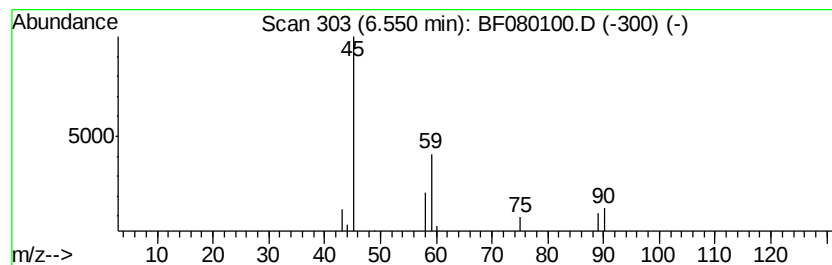
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.55 | 2.65 ng | 32633 | 1,4-Dichlorobenzene-d4 | 7.33 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-methoxyethoxy)-       | 120 | C5H12O3  | 000111-77-3 | 83   |
| 2    |    | .beta.-Methoxyethoxymethyl chloride | 124 | C4H9ClO2 | 003970-21-6 | 40   |
| 3    |    | Ethane, 1-methoxy-2-(methoxymeth... | 120 | C5H12O3  | 074498-88-7 | 9    |
| 4    |    | Acetic acid, hydroxy-, methyl ester | 90  | C3H6O3   | 000096-35-5 | 7    |
| 5    |    | Ethane, 1,2-dimethoxy-              | 90  | C4H10O2  | 000110-71-4 | 5    |



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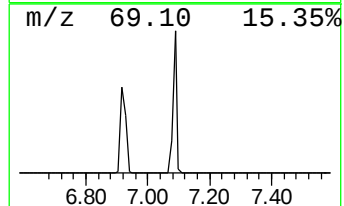
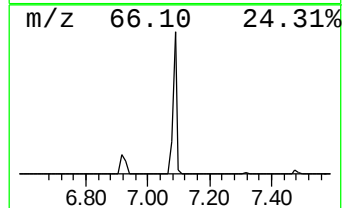
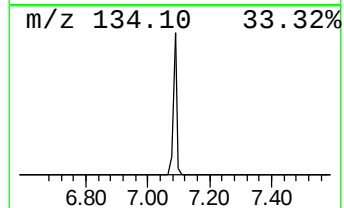
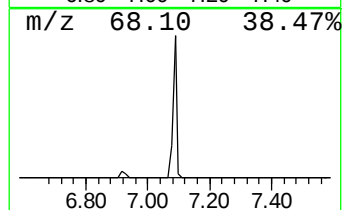
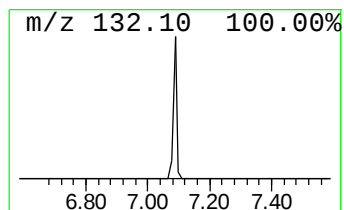
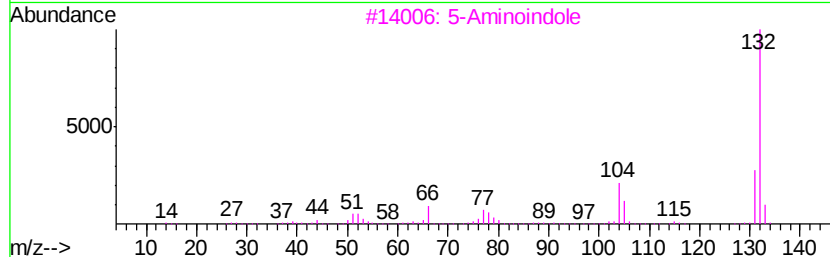
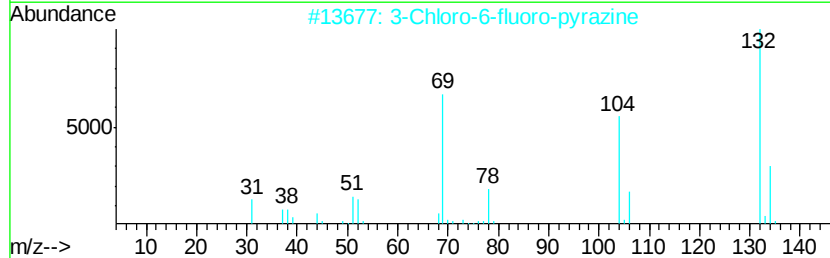
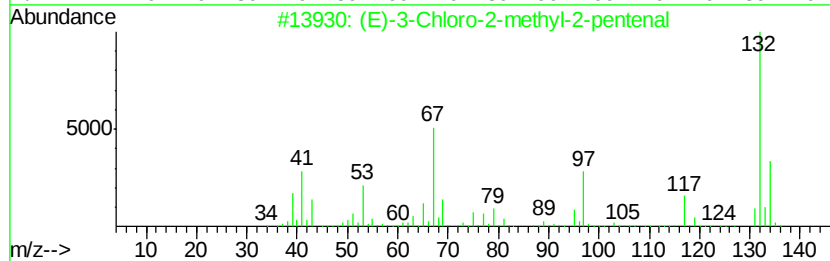
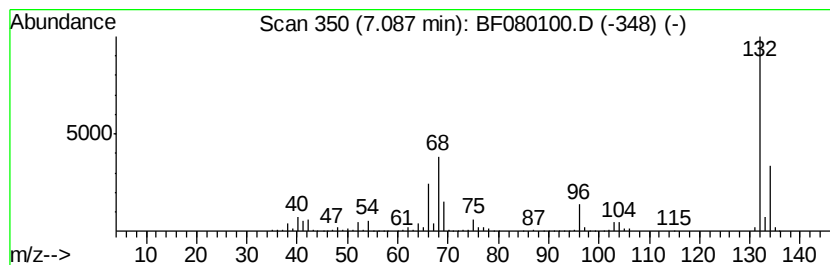
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.09 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.09 | 95.79 ng | 1180060 | 1,4-Dichlorobenzene-d4 | 7.33 |

| 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    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 10   |
| 5    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |



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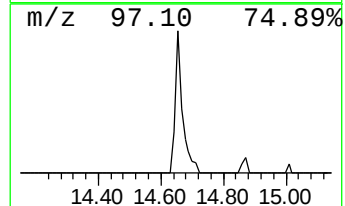
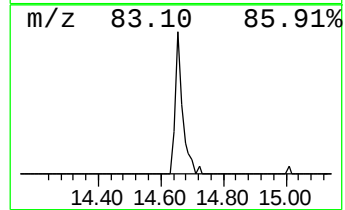
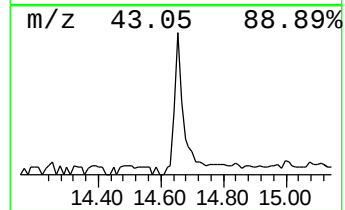
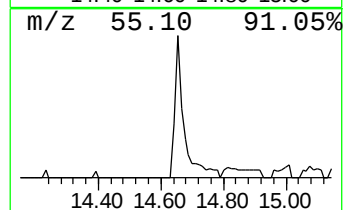
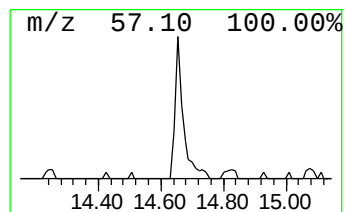
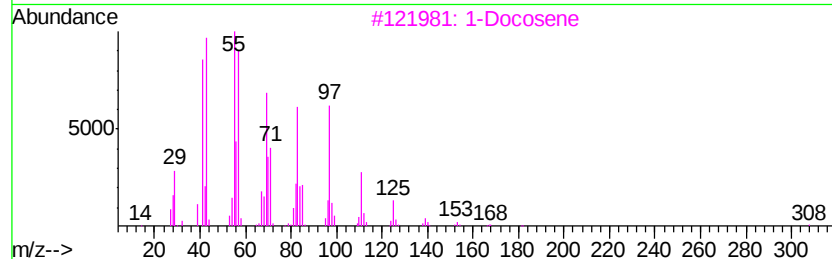
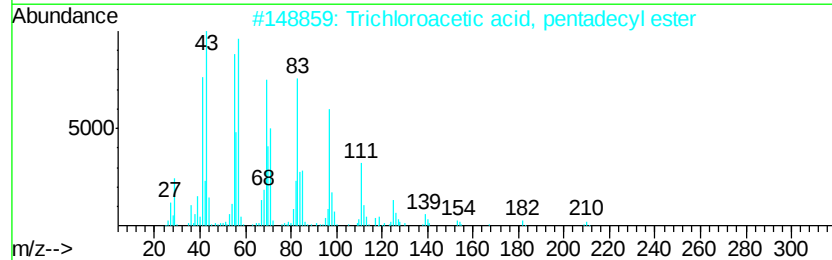
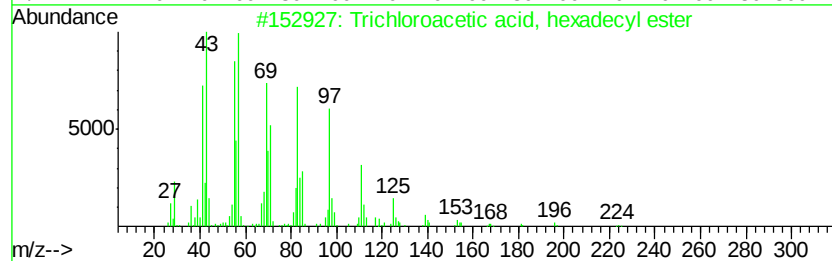
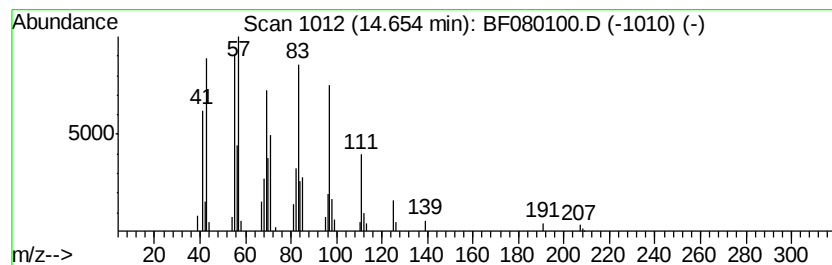
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\*\*\*\*\*  
Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.65 | 4.76 ng | 117772 | Chrysene-d12     | 14.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94   |
| 2    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91   |
| 3    |    | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 91   |
| 4    |    | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |
| 5    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.53  | 20.9    | ng    | 257286   | 1                     | 7.33  | 246377 | 20.0 |
| Ethanol, 2-(2-met... | 6.55  | 2.6     | ng    | 32633    | 1                     | 7.33  | 246377 | 20.0 |
| unknown7.09          | 7.09  | 95.8    | ng    | 1180060  | 1                     | 7.33  | 246377 | 20.0 |
| Trichloroacetic a... | 14.65 | 4.8     | ng    | 117772   | 5                     | 14.87 | 494485 | 20.0 |