

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF022817\  
 Data File : BF093243.D  
 Acq On : 28 Feb 2017 12:45  
 Operator : SJ/MA  
 Sample : I2017-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK3-1-20170227

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       | 249           | 251         | 262          | rBV      | 613354         | 923711        | 33.21%          | 3.566%        |
| 2         | 5.401       | 288           | 290         | 293          | rBV      | 1960464        | 2662281       | 95.72%          | 10.278%       |
| 3         | 6.453       | 380           | 382         | 391          | rBV      | 2468600        | 2747237       | 98.78%          | 10.606%       |
| 4         | 6.579       | 391           | 393         | 395          | rBV      | 2945598        | 2781198       | 100.00%         | 10.738%       |
| 5         | 6.807       | 411           | 413         | 415          | rBV      | 895320         | 826675        | 29.72%          | 3.192%        |
| 6         | 6.956       | 424           | 426         | 429          | rBV      | 1713845        | 2017844       | 72.55%          | 7.790%        |
| 7         | 7.379       | 460           | 463         | 465          | rBV      | 1315096        | 1757341       | 63.19%          | 6.785%        |
| 8         | 8.087       | 523           | 525         | 528          | rBV      | 1097468        | 1067889       | 38.40%          | 4.123%        |
| 9         | 9.162       | 617           | 619         | 622          | rBV      | 2523766        | 2569940       | 92.40%          | 9.922%        |
| 10        | 9.562       | 652           | 654         | 656          | rBV      | 263350         | 217100        | 7.81%           | 0.838%        |
| 11        | 9.848       | 676           | 679         | 681          | rBV      | 935055         | 1187998       | 42.72%          | 4.587%        |
| 12        | 10.271      | 714           | 716         | 718          | rVB      | 47902          | 39016         | 1.40%           | 0.151%        |
| 13        | 10.488      | 732           | 735         | 739          | rBV      | 17735          | 28794         | 1.04%           | 0.111%        |
| 14        | 10.636      | 745           | 748         | 750          | rBV      | 1237394        | 1471394       | 52.91%          | 5.681%        |
| 15        | 10.739      | 755           | 757         | 762          | rVB      | 54824          | 73581         | 2.65%           | 0.284%        |
| 16        | 11.185      | 794           | 796         | 802          | rVB2     | 33804          | 62494         | 2.25%           | 0.241%        |
| 17        | 11.322      | 806           | 808         | 811          | rBV      | 1139811        | 1149226       | 41.32%          | 4.437%        |
| 18        | 12.911      | 944           | 947         | 949          | rBV      | 2577346        | 2389163       | 85.90%          | 9.224%        |
| 19        | 13.802      | 1023          | 1025        | 1031         | rBV      | 100653         | 189903        | 6.83%           | 0.733%        |
| 20        | 13.962      | 1037          | 1039        | 1042         | rVB      | 964084         | 877798        | 31.56%          | 3.389%        |
| 21        | 14.785      | 1109          | 1111        | 1114         | rVB      | 27651          | 39853         | 1.43%           | 0.154%        |
| 22        | 15.380      | 1160          | 1163        | 1166         | rBV      | 529561         | 821089        | 29.52%          | 3.170%        |

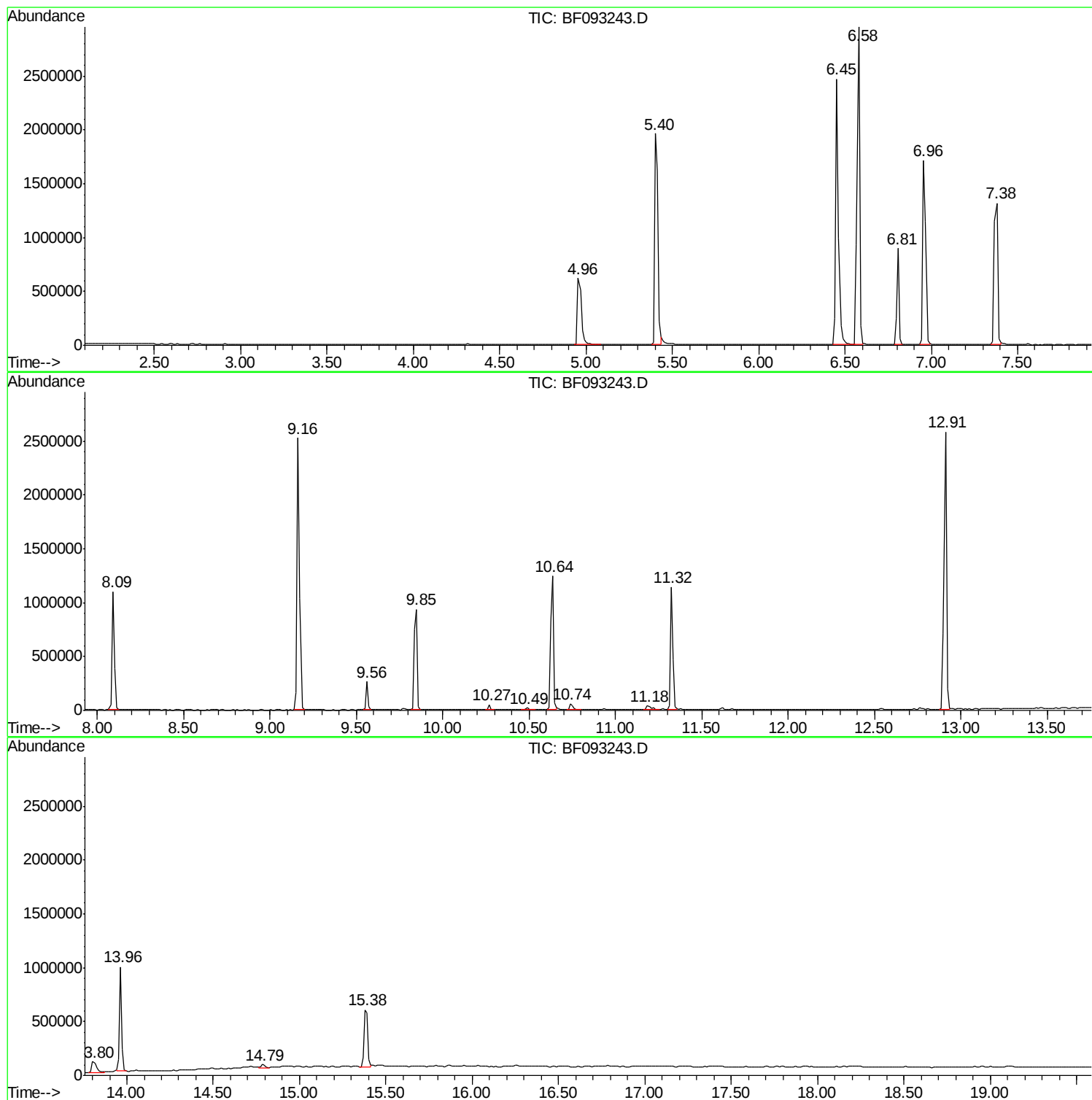
Sum of corrected areas: 25901525

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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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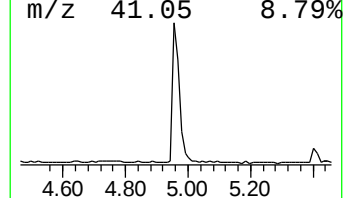
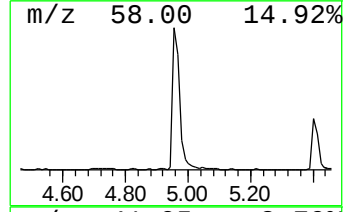
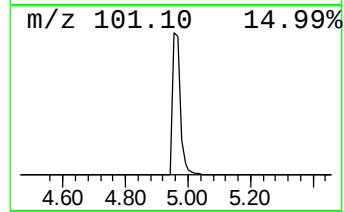
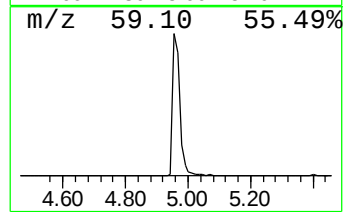
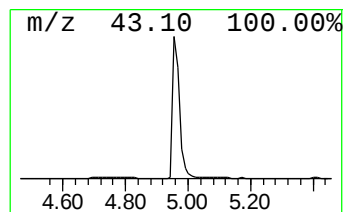
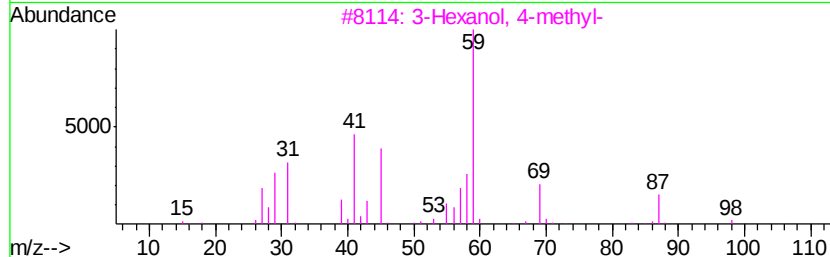
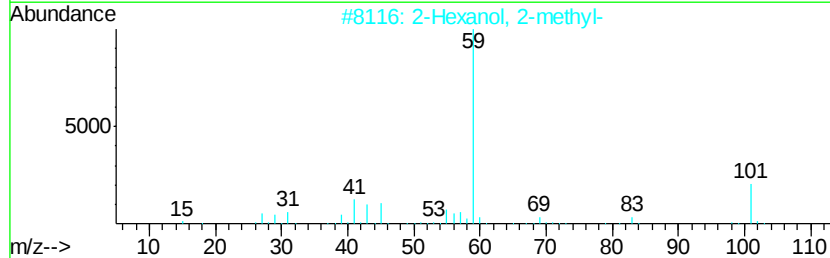
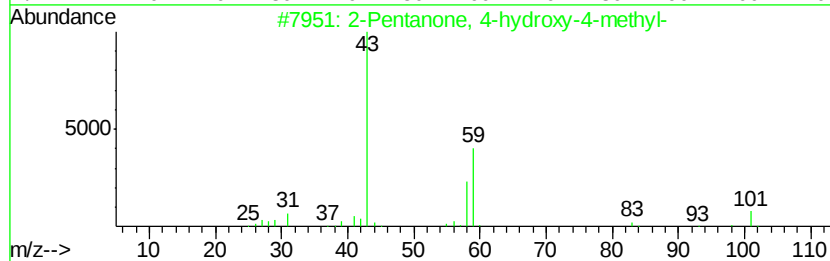
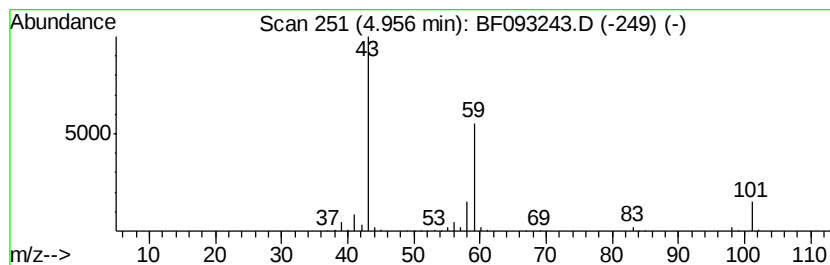
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.96 | 22.35 ng | 923711 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 33   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |



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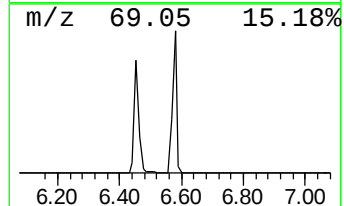
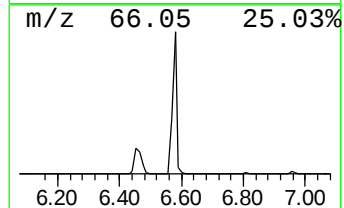
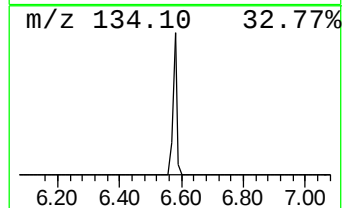
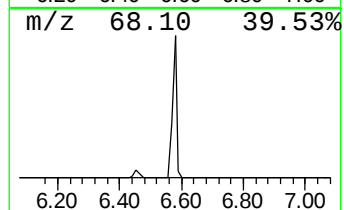
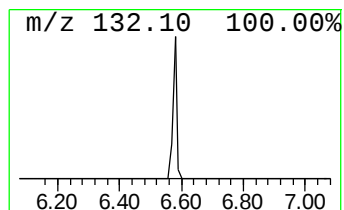
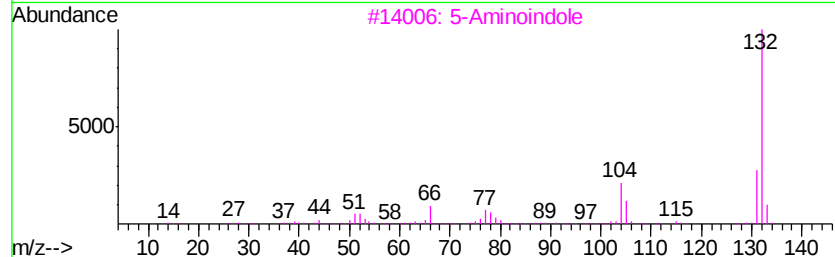
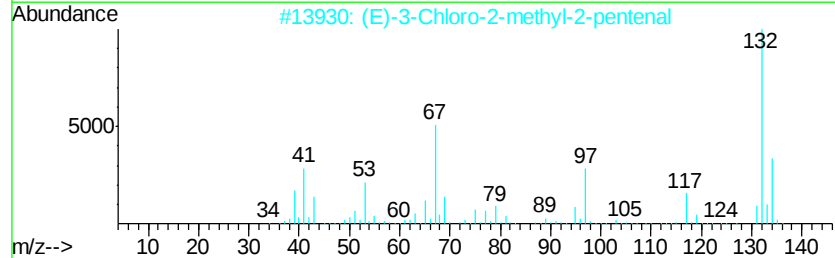
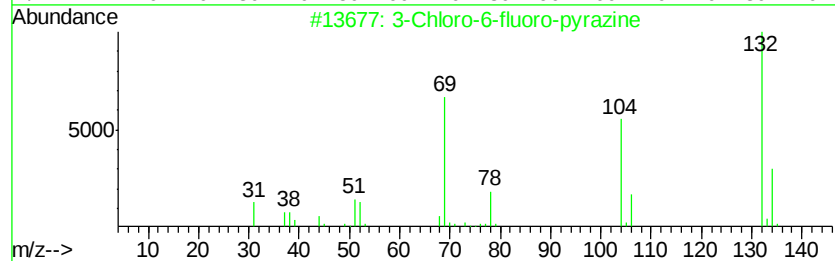
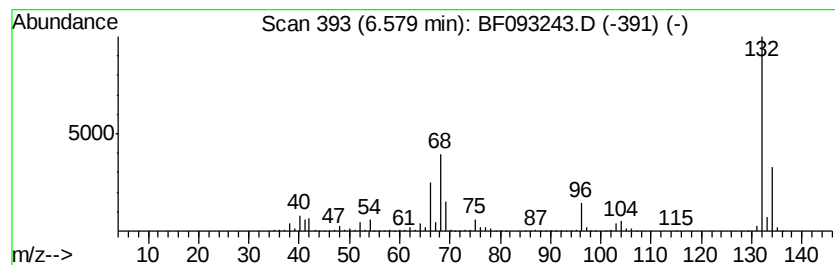
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Peak Number 2 unknown6.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 67.29 ng | 2781200 | 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 | 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    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9  | 9    |



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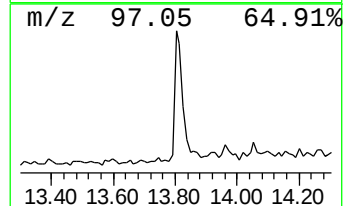
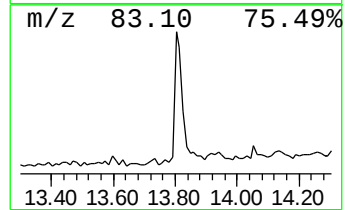
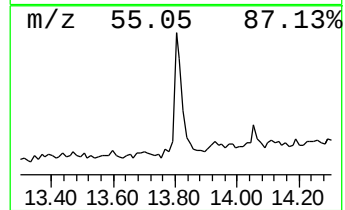
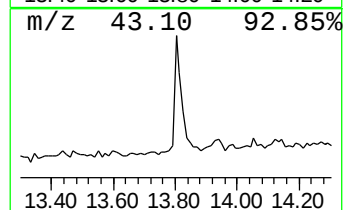
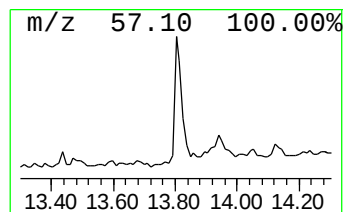
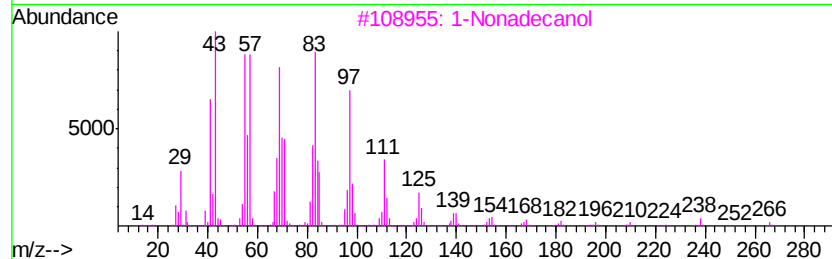
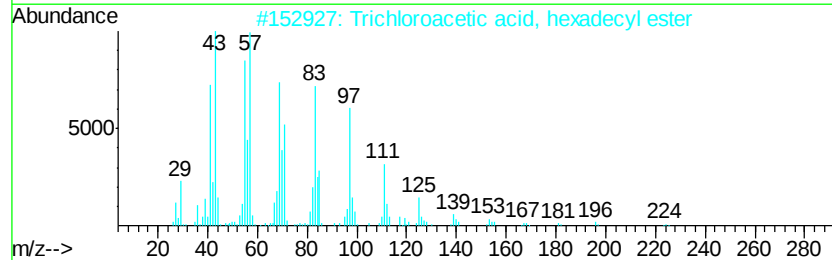
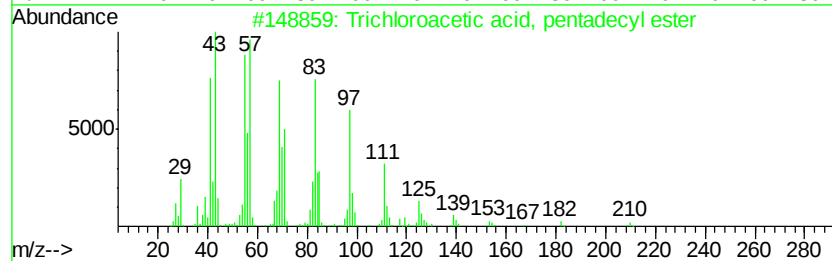
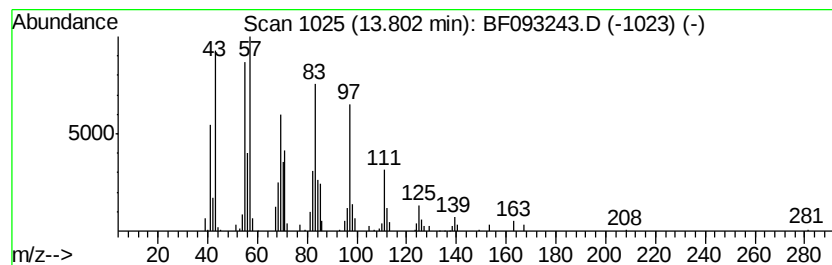
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Peak Number 4 Trichloroacetic acid, penta... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.80 | 4.33 ng | 189903 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 95   |
| 2    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 95   |
| 3    |    | 1-Nonadecanol                       | 284 | C19H40O     | 001454-84-8 | 95   |
| 4    |    | 1-Octadecene                        | 252 | C18H36      | 000112-88-9 | 91   |
| 5    |    | 5-Eicosene, (E)-                    | 280 | C20H40      | 074685-30-6 | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.96  | 22.4    | ng    | 923711   | 1                     | 6.81  | 826675 | 20.0 |
| unknown6.58          | 6.58  | 67.3    | ng    | 2781200  | 1                     | 6.81  | 826675 | 20.0 |
| Trichloroacetic a... | 13.80 | 4.3     | ng    | 189903   | 5                     | 13.96 | 877798 | 20.0 |