

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080317\  
 Data File : BF097327.D  
 Acq On : 3 Aug 2017 20:07  
 Operator : SJ/JU  
 Sample : I4542-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A4129

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-BF072517.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         | 4.569       | 453           | 456         | 472          | rBV      | 122260         | 199582        | 9.20%           | 1.071%        |
| 2         | 5.039       | 532           | 536         | 557          | rBV      | 1654200        | 1907256       | 87.93%          | 10.239%       |
| 3         | 6.110       | 714           | 718         | 732          | rBV      | 1941728        | 2169075       | 100.00%         | 11.644%       |
| 4         | 6.216       | 732           | 736         | 747          | rVB      | 2254953        | 2142959       | 98.80%          | 11.504%       |
| 5         | 6.439       | 771           | 774         | 785          | rVB      | 679986         | 676832        | 31.20%          | 3.633%        |
| 6         | 6.598       | 797           | 801         | 813          | rBV      | 1583989        | 1444667       | 66.60%          | 7.755%        |
| 7         | 7.010       | 867           | 871         | 888          | rBV      | 1348239        | 1393013       | 64.22%          | 7.478%        |
| 8         | 7.722       | 989           | 992         | 1011         | rVB      | 1004444        | 960601        | 44.29%          | 5.157%        |
| 9         | 8.798       | 1171          | 1175        | 1179         | rBV      | 1976216        | 1781829       | 82.15%          | 9.565%        |
| 10        | 9.198       | 1240          | 1243        | 1252         | rBV      | 366638         | 306432        | 14.13%          | 1.645%        |
| 11        | 9.463       | 1284          | 1288        | 1295         | rBV2     | 1110243        | 982213        | 45.28%          | 5.273%        |
| 12        | 10.251      | 1418          | 1422        | 1431         | rBV      | 1071547        | 1014534       | 46.77%          | 5.446%        |
| 13        | 10.386      | 1442          | 1445        | 1454         | rBV      | 25200          | 38096         | 1.76%           | 0.205%        |
| 14        | 10.933      | 1535          | 1538        | 1542         | rBV      | 912508         | 820038        | 37.81%          | 4.402%        |
| 15        | 11.492      | 1630          | 1633        | 1639         | rBV3     | 42910          | 54041         | 2.49%           | 0.290%        |
| 16        | 12.515      | 1803          | 1807        | 1811         | rBV      | 1517568        | 1374726       | 63.38%          | 7.380%        |
| 17        | 13.439      | 1961          | 1964        | 1975         | rVB2     | 36625          | 70698         | 3.26%           | 0.380%        |
| 18        | 13.557      | 1980          | 1984        | 1990         | rVB      | 729813         | 684561        | 31.56%          | 3.675%        |
| 19        | 13.815      | 2024          | 2028        | 2031         | rBV6     | 12580          | 24699         | 1.14%           | 0.133%        |
| 20        | 14.898      | 2207          | 2212        | 2216         | rBV      | 495621         | 559101        | 25.78%          | 3.001%        |
| 21        | 18.368      | 2798          | 2802        | 2809         | rBV8     | 10207          | 23048         | 1.06%           | 0.124%        |

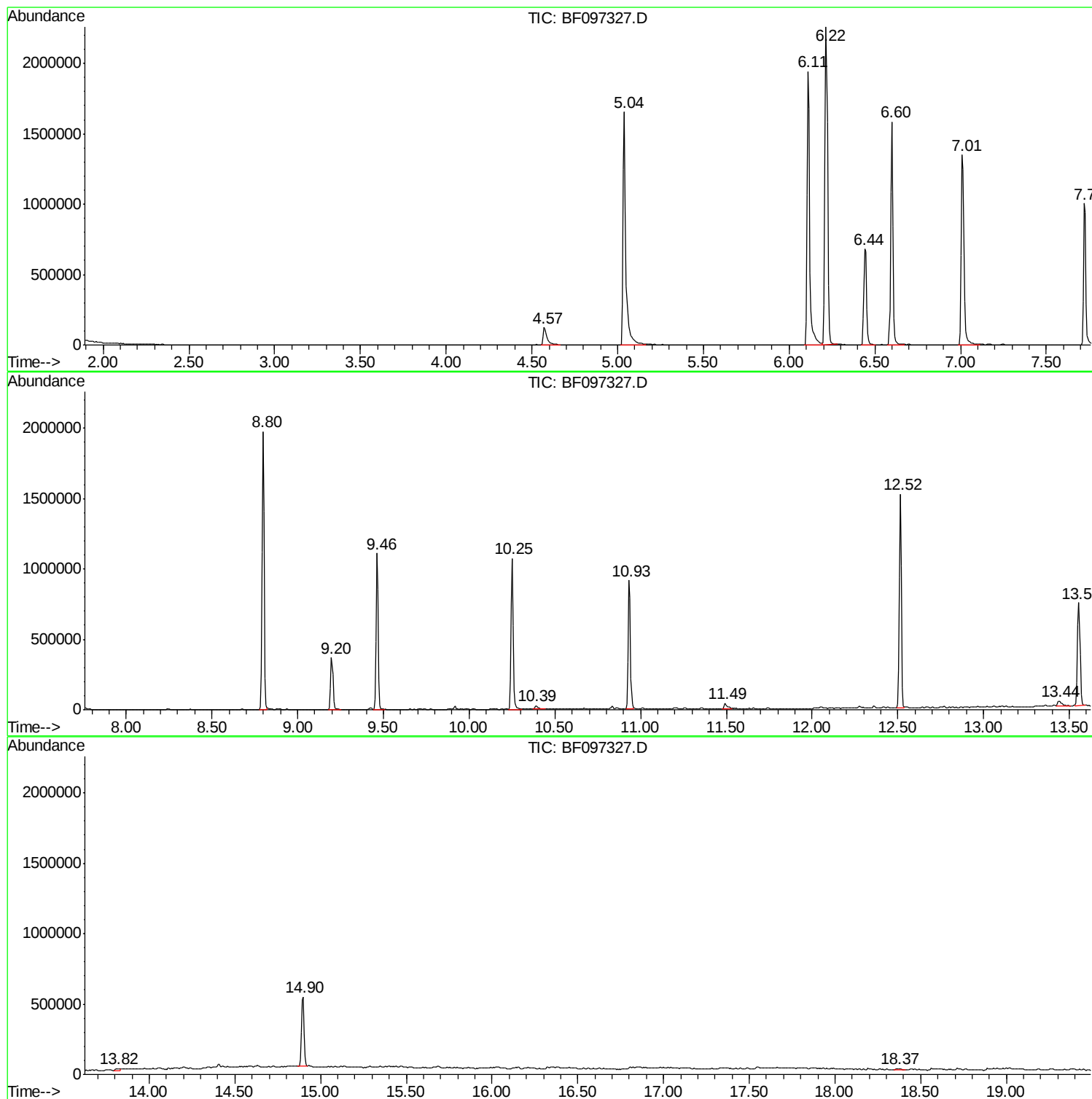
Sum of corrected areas: 18628001

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072517.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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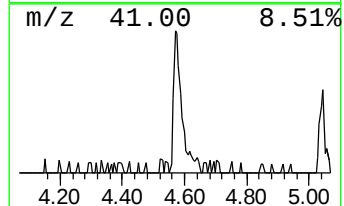
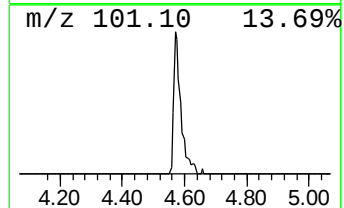
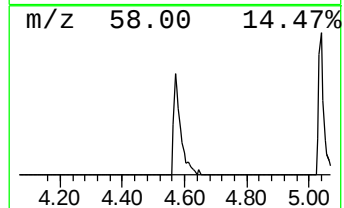
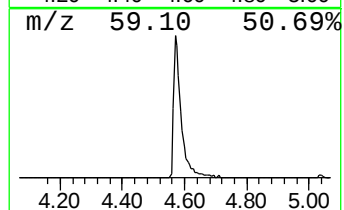
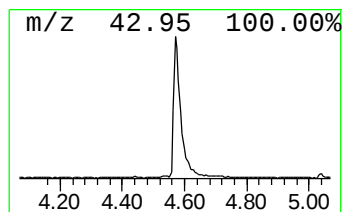
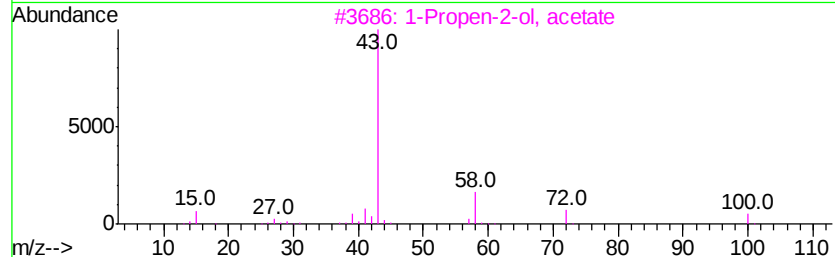
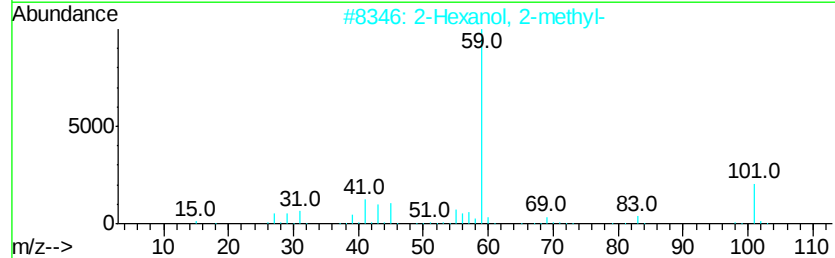
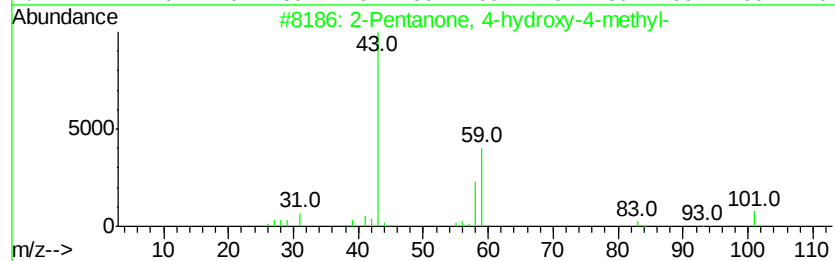
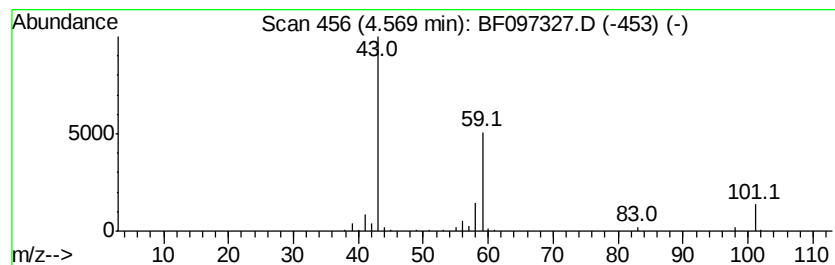
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TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.57 | 5.90 ng | 199582 | 1,4-Dichlorobenzene-d4 | 6.45 |

| 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  | 28   |
| 3    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5  | 9    |
| 4    |    |   | n-Propyl t-butyl ether              | 116 | C7H16O  | 1000334-81-9 | 9    |
| 5    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5  | 9    |



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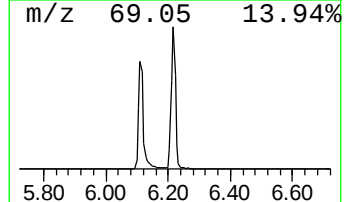
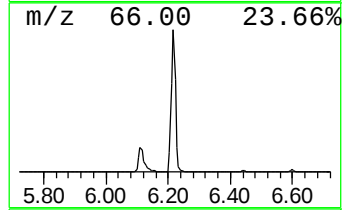
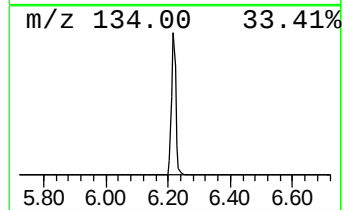
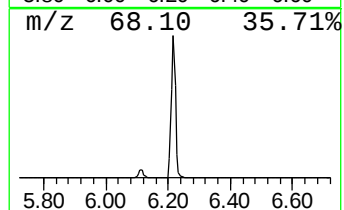
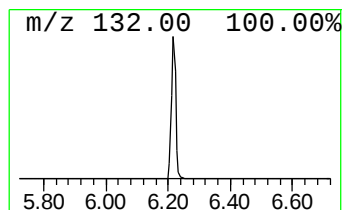
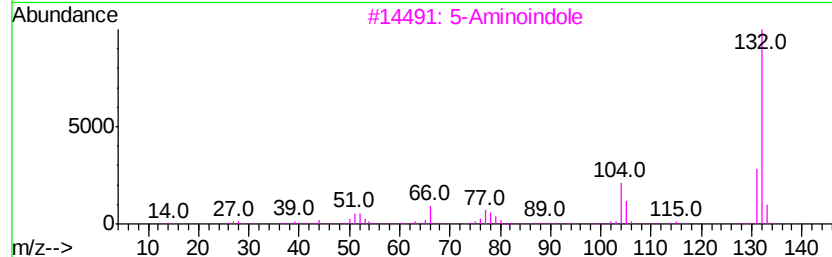
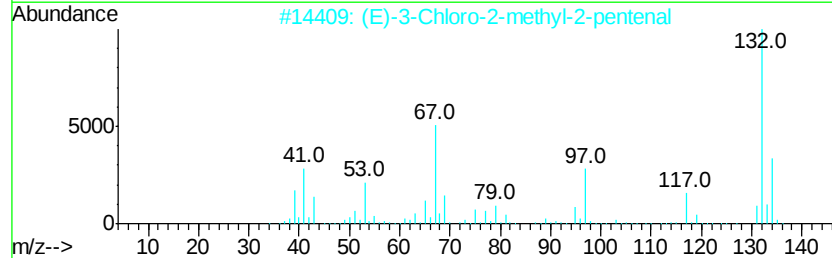
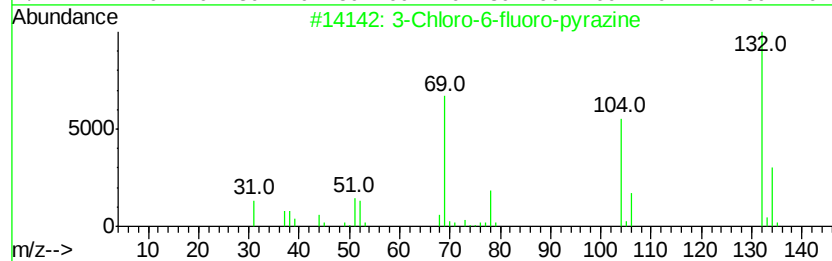
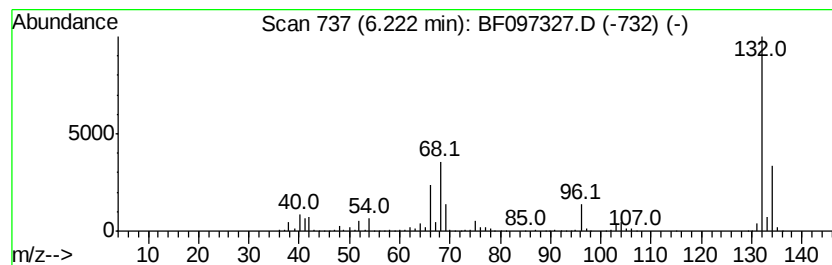
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Peak Number 2 unknown6.22 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.22 | 63.32 ng | 2142960 | 1,4-Dichlorobenzene-d4 | 6.45 |

| 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    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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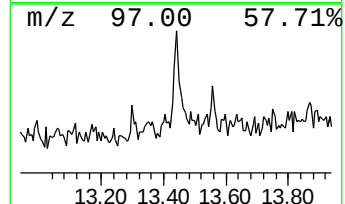
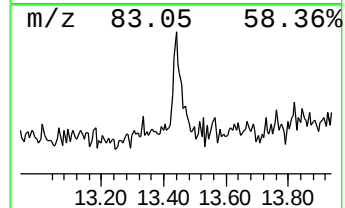
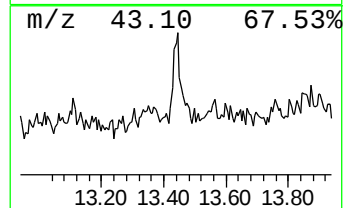
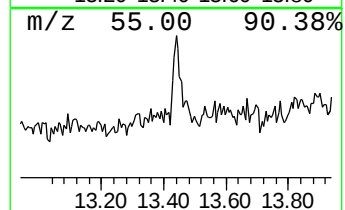
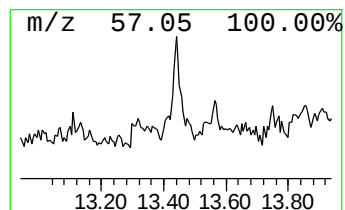
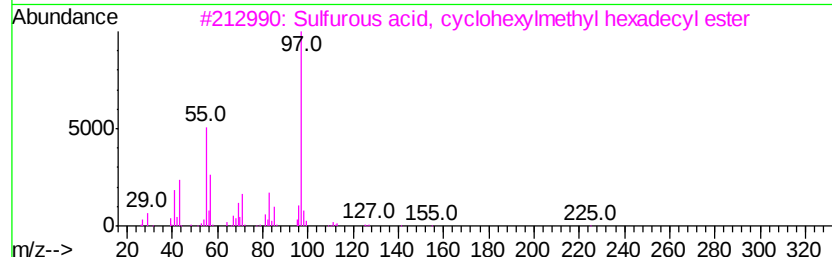
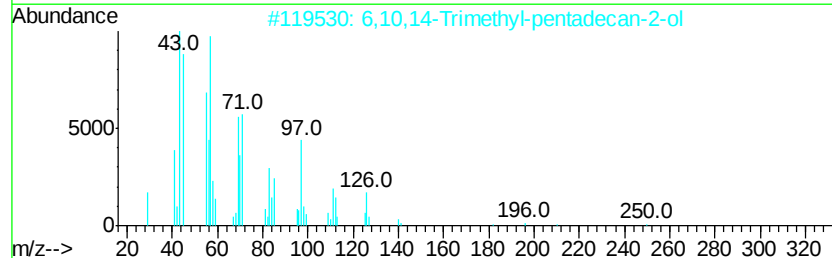
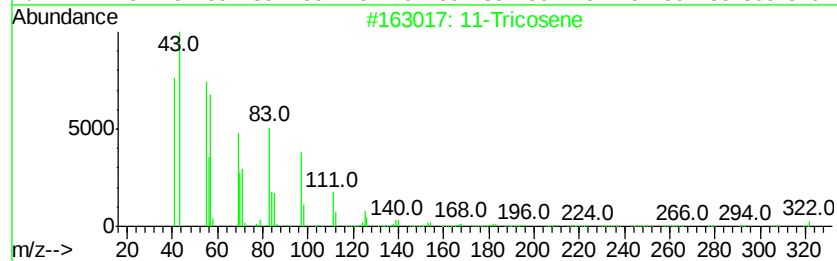
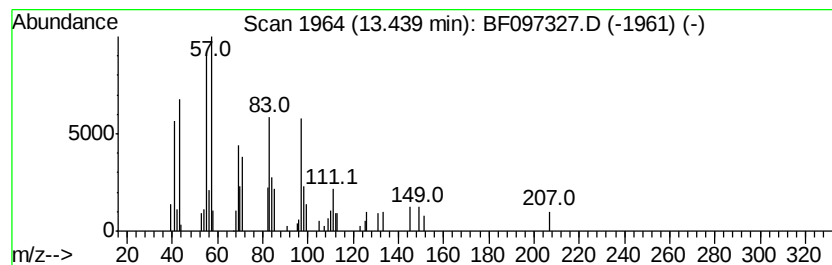
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Peak Number 4 11-Tricosene Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.44 | 2.07 ng | 70698 | Chrysene-d12     | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 11-Tricosene                        | 322 | C23H46    | 052078-56-5  | 64   |
| 2    |    | 6,10,14-Trimethyl-pentadecan-2-ol   | 270 | C18H38O   | 1000143-49-8 | 43   |
| 3    |    | Sulfurous acid, cyclohexylmethyl... | 402 | C23H46O3S | 1000309-22-4 | 43   |
| 4    |    | Sulfurous acid, cyclohexylmethyl... | 416 | C24H48O3S | 1000309-22-5 | 43   |
| 5    |    | 2-Hexyl-1-octanol                   | 214 | C14H30O   | 019780-79-1  | 38   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.57  | 5.9     | ng    | 199582   | 1                     | 6.45  | 676832 | 20.0 |
| unknown6.22          | 6.22  | 63.3    | ng    | 2142960  | 1                     | 6.45  | 676832 | 20.0 |
| 11-Tricosene         | 13.44 | 2.1     | ng    | 70698    | 5                     | 13.56 | 684561 | 20.0 |