

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061416\  
 Data File : BF088036.D  
 Acq On : 15 Jun 2016 9:39  
 Operator : UM/SJ  
 Sample : H3346-01RE  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-201605ARE

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-BF060716.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         | 1.724       | 11            | 12          | 21           | rVB      | 240940         | 367966        | 10.31%          | 1.685%        |
| 2         | 1.850       | 21            | 23          | 33           | rVV      | 1581682        | 2585634       | 72.48%          | 11.843%       |
| 3         | 1.987       | 33            | 35          | 69           | rVB      | 137355         | 578667        | 16.22%          | 2.650%        |
| 4         | 4.936       | 290           | 293         | 296          | rBV      | 155799         | 177911        | 4.99%           | 0.815%        |
| 5         | 6.422       | 420           | 423         | 426          | rVB      | 28150          | 37997         | 1.07%           | 0.174%        |
| 6         | 6.776       | 452           | 454         | 457          | rBV      | 892139         | 921656        | 25.84%          | 4.221%        |
| 7         | 6.936       | 465           | 468         | 471          | rVB      | 2240439        | 2470254       | 69.25%          | 11.314%       |
| 8         | 7.347       | 501           | 504         | 507          | rBV      | 1538681        | 2144669       | 60.12%          | 9.823%        |
| 9         | 8.067       | 564           | 567         | 569          | rBV      | 1404397        | 1214402       | 34.04%          | 5.562%        |
| 10        | 9.153       | 659           | 662         | 664          | rBV      | 3284995        | 3567311       | 100.00%         | 16.339%       |
| 11        | 9.542       | 694           | 696         | 698          | rVB      | 76811          | 58276         | 1.63%           | 0.267%        |
| 12        | 9.828       | 718           | 721         | 723          | rBV      | 1086023        | 1317707       | 36.94%          | 6.035%        |
| 13        | 10.205      | 752           | 754         | 755          | rBV      | 29055          | 38914         | 1.09%           | 0.178%        |
| 14        | 11.302      | 848           | 850         | 853          | rBV      | 1215373        | 1056630       | 29.62%          | 4.840%        |
| 15        | 12.719      | 972           | 974         | 976          | rBV      | 322575         | 265723        | 7.45%           | 1.217%        |
| 16        | 12.799      | 976           | 981         | 983          | rVB2     | 34036          | 49056         | 1.38%           | 0.225%        |
| 17        | 12.891      | 986           | 989         | 992          | rBV      | 2417495        | 2698577       | 75.65%          | 12.360%       |
| 18        | 13.428      | 1033          | 1036        | 1037         | rBV2     | 128409         | 173843        | 4.87%           | 0.796%        |
| 19        | 13.931      | 1078          | 1080        | 1083         | rBV      | 873718         | 1093886       | 30.66%          | 5.010%        |
| 20        | 14.708      | 1146          | 1148        | 1151         | rVB      | 35930          | 38063         | 1.07%           | 0.174%        |
| 21        | 15.028      | 1173          | 1176        | 1179         | rBV      | 36976          | 39654         | 1.11%           | 0.182%        |
| 22        | 15.348      | 1201          | 1204        | 1206         | rBV      | 679231         | 855654        | 23.99%          | 3.919%        |
| 23        | 15.383      | 1206          | 1207        | 1212         | rVB      | 44102          | 41939         | 1.18%           | 0.192%        |
| 24        | 15.783      | 1240          | 1242        | 1246         | rVB      | 24868          | 38649         | 1.08%           | 0.177%        |

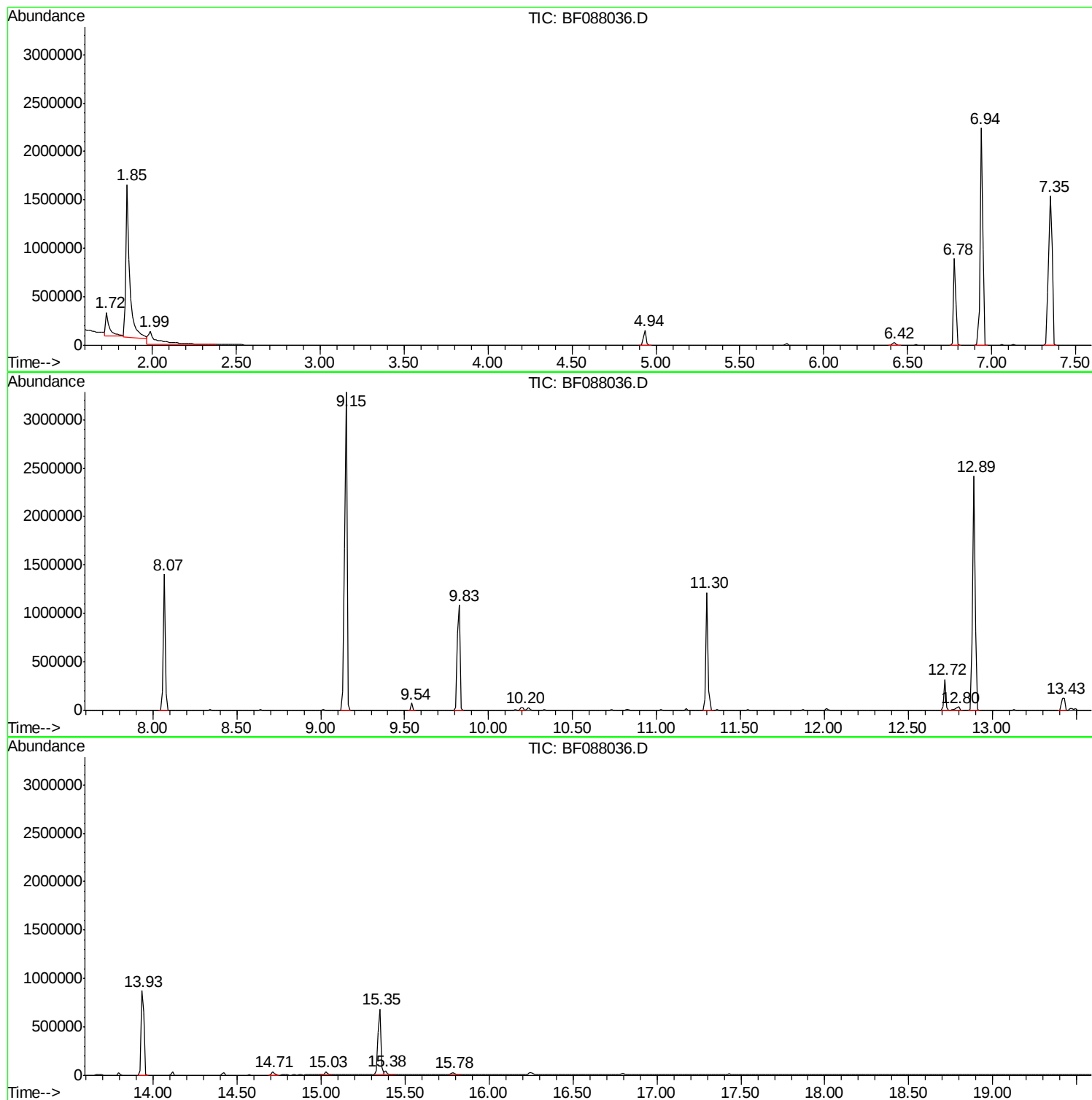
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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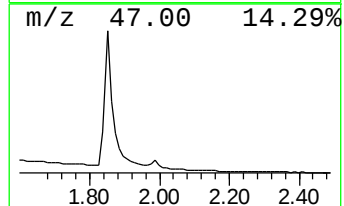
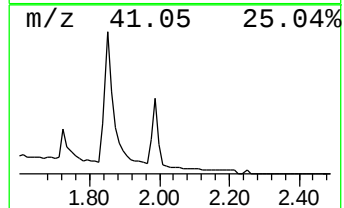
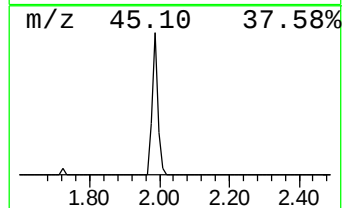
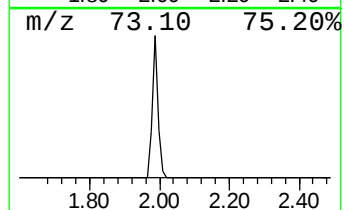
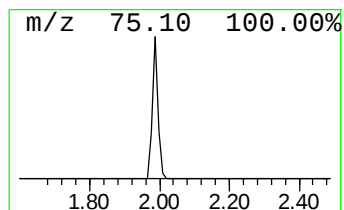
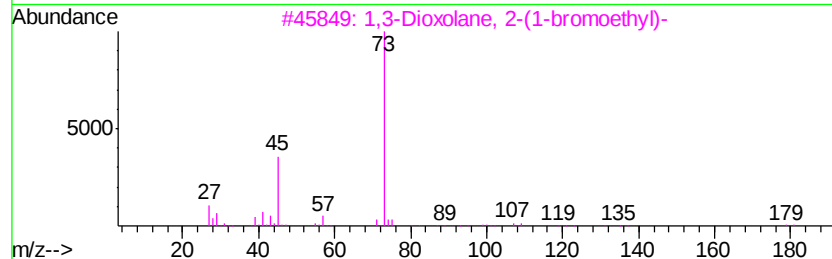
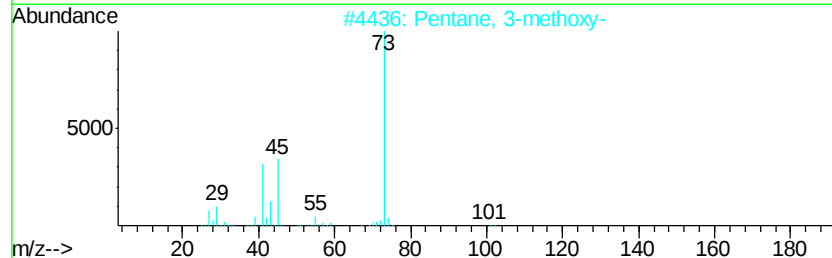
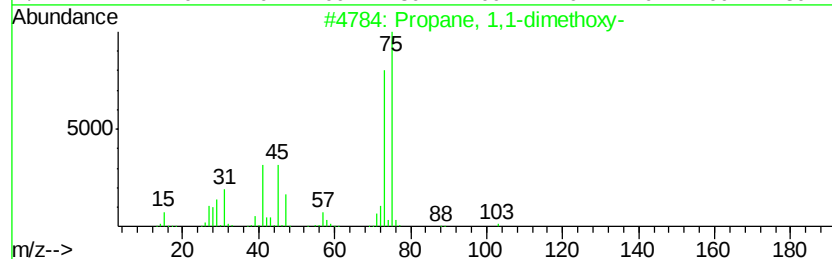
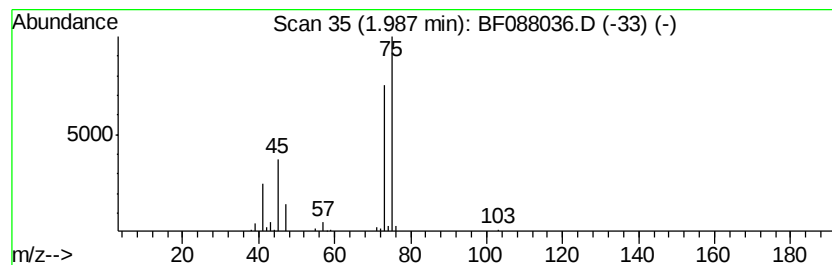
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.99 | 12.56 ng | 578667 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 1,1-dimethoxy-          | 104 | C5H12O2  | 004744-10-9 | 83   |
| 2    |    | Pentane, 3-methoxy-              | 102 | C6H14O   | 036839-67-5 | 10   |
| 3    |    | 1,3-Dioxolane, 2-(1-bromoethyl)- | 180 | C5H9BrO2 | 005267-73-2 | 10   |
| 4    |    | Silane, methylenebis-            | 76  | CH8Si2   | 001759-88-2 | 9    |
| 5    |    | Borane, dimethoxy-               | 74  | C2H7BO2  | 004542-61-4 | 9    |



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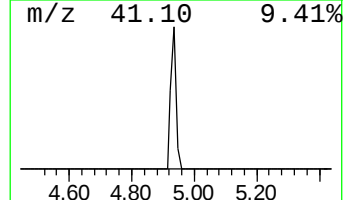
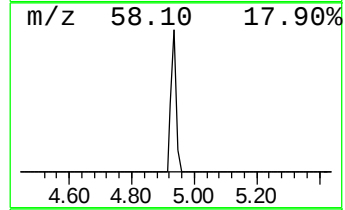
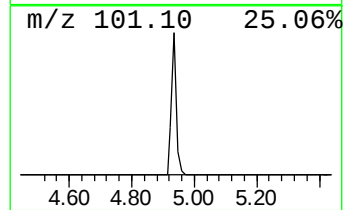
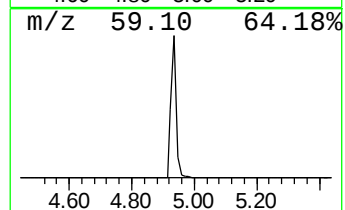
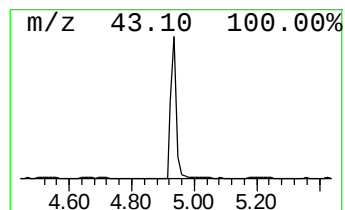
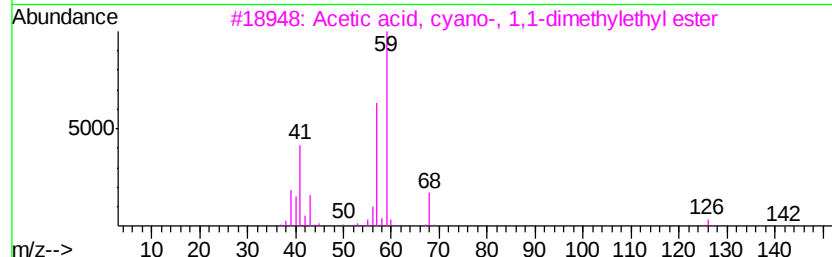
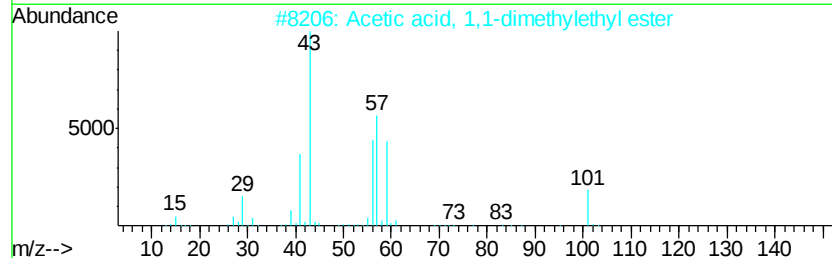
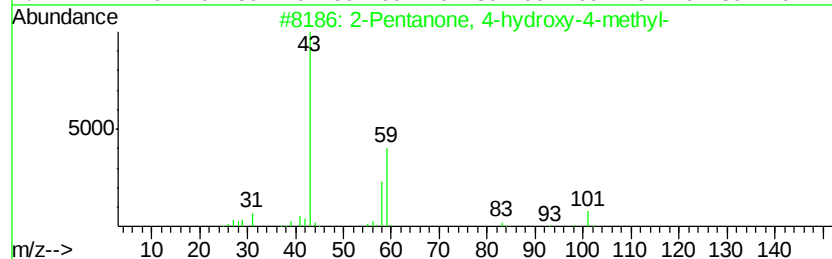
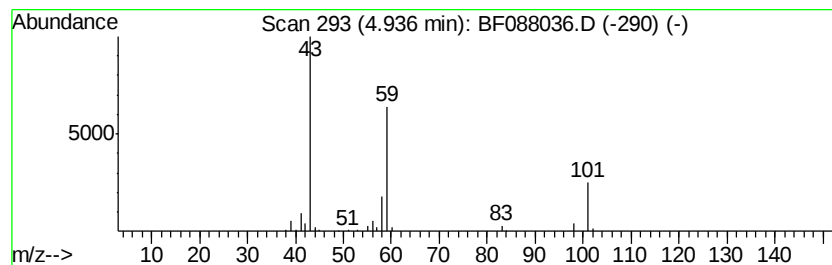
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Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.94 | 3.86 ng | 177911 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |



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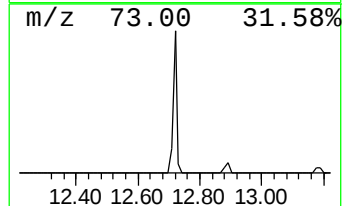
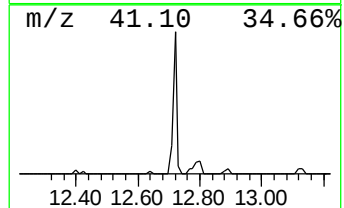
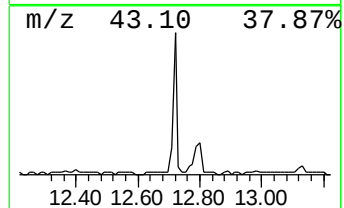
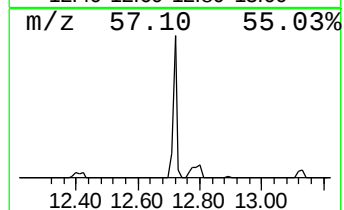
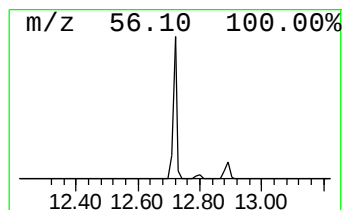
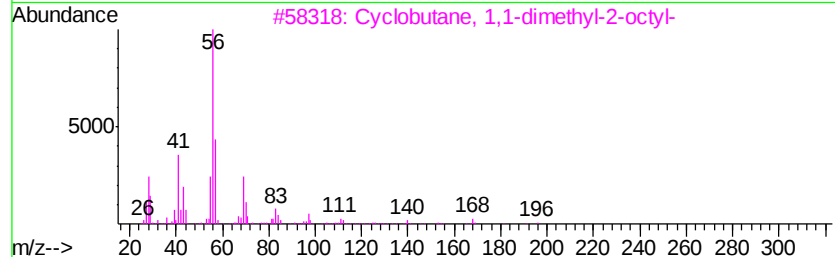
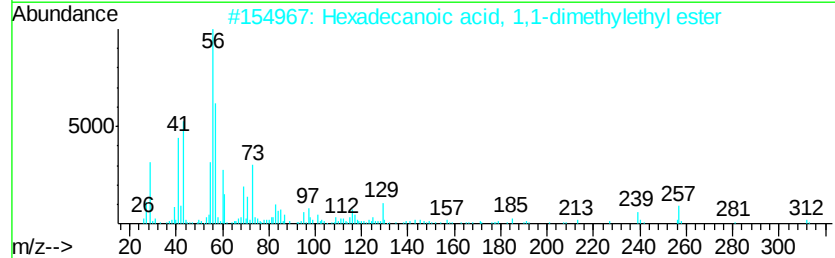
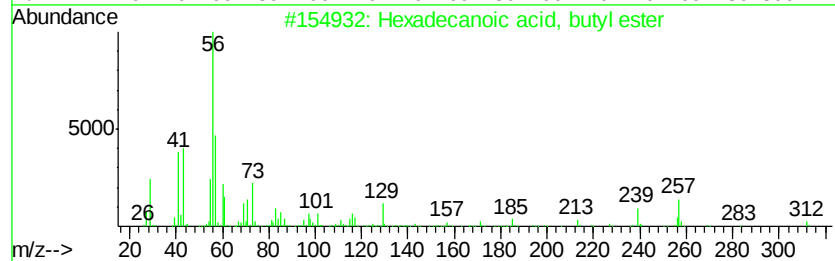
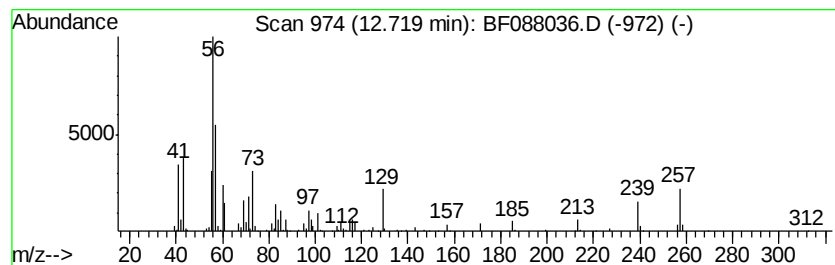
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\*\*\*\*\*  
Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.72     | 4.86 ng                             | 265723 | Chrysene-d12     | 13.93       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, butyl ester      | 312    | C20H40O2         | 000111-06-8 | 91   |
| 2         | Hexadecanoic acid, 1,1-dimethyle... | 312    | C20H40O2         | 031158-91-5 | 74   |
| 3         | Cyclobutane, 1,1-dimethyl-2-octyl-  | 196    | C14H28           | 062338-30-1 | 35   |
| 4         | Cyclopropane, 1-(1-methylethyl)-... | 210    | C15H30           | 041977-39-3 | 35   |
| 5         | 1-Hexene, 4-methyl-                 | 98     | C7H14            | 003769-23-1 | 30   |



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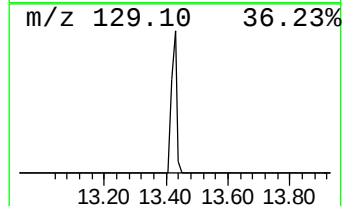
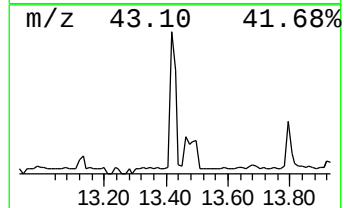
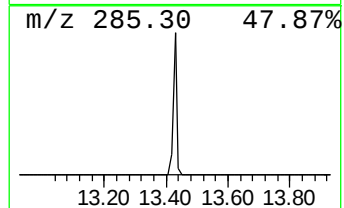
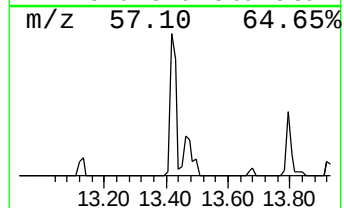
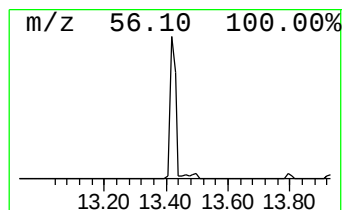
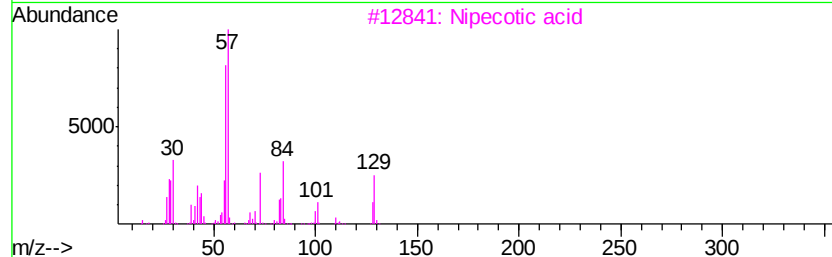
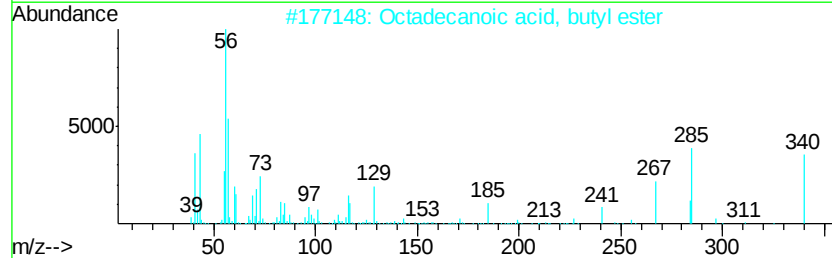
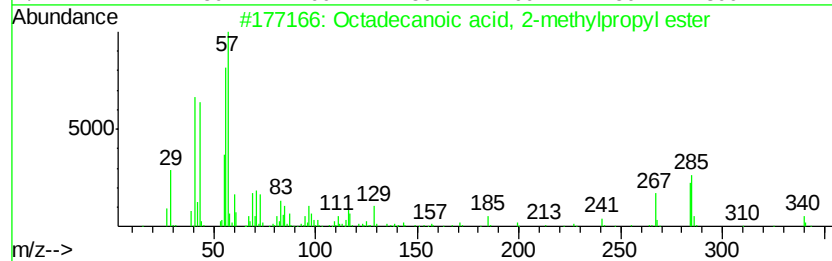
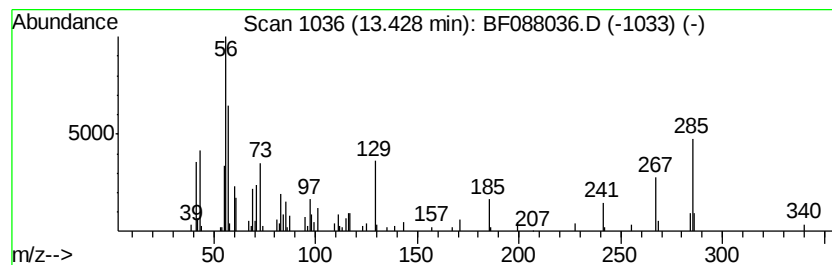
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\*\*\*\*\*  
Peak Number 7 Octadecanoic acid, 2-methyl... Concentration Rank 7

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|-------|---------|--------|------------------|-------|
| 13.43 | 3.18 ng | 173843 | Chrysene-d12     | 13.93 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9 | 86   |
| 2    |    | Octadecanoic acid, butyl ester      | 340 | C22H44O2 | 000123-95-5 | 49   |
| 3    |    | Nipecotic acid                      | 129 | C6H11NO2 | 000498-95-3 | 38   |
| 4    |    | Butyl myristate                     | 284 | C18H36O2 | 000110-36-1 | 37   |
| 5    |    | 1-Pentene, 2,4-dimethyl-            | 98  | C7H14    | 002213-32-3 | 22   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane, 1,1-dime... | 1.99  | 12.6    | ng    | 578667   | 1                     | 6.78  | 921656  | 20.0 |
| 2-Pentanone, 4-hy... | 4.94  | 3.9     | ng    | 177911   | 1                     | 6.78  | 921656  | 20.0 |
| Hexadecanoic acid... | 12.72 | 4.9     | ng    | 265723   | 5                     | 13.93 | 1093890 | 20.0 |
| Octadecanoic acid... | 13.43 | 3.2     | ng    | 173843   | 5                     | 13.93 | 1093890 | 20.0 |