

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042016\  
 Data File : BG021767.D  
 Acq On : 19 Apr 2016 22:57  
 Operator : UM/SJ  
 Sample : H2620-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EUT01-TU-B1(5-12)-C

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\_G\METHODS\8270-BG041316.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         | 3.091       | 38            | 43          | 62           | rVB      | 1786586        | 2500896       | 100.00%         | 21.501%       |
| 2         | 5.288       | 411           | 417         | 424          | rVB      | 96297          | 155090        | 6.20%           | 1.333%        |
| 3         | 5.758       | 490           | 497         | 506          | rVB      | 378237         | 618819        | 24.74%          | 5.320%        |
| 4         | 7.362       | 760           | 770         | 780          | rBV      | 420034         | 742273        | 29.68%          | 6.382%        |
| 5         | 7.739       | 824           | 834         | 843          | rBV      | 386831         | 695609        | 27.81%          | 5.980%        |
| 6         | 8.209       | 906           | 914         | 921          | rBV      | 85172          | 146713        | 5.87%           | 1.261%        |
| 7         | 8.538       | 961           | 970         | 979          | rVB      | 266608         | 478508        | 19.13%          | 4.114%        |
| 8         | 9.378       | 1105          | 1113        | 1120         | rBV      | 256403         | 458802        | 18.35%          | 3.945%        |
| 9         | 11.029      | 1386          | 1394        | 1402         | rBV      | 136993         | 244444        | 9.77%           | 2.102%        |
| 10        | 13.449      | 1798          | 1806        | 1814         | rVB      | 692837         | 1094104       | 43.75%          | 9.406%        |
| 11        | 14.260      | 1937          | 1944        | 1951         | rBV      | 88561          | 161196        | 6.45%           | 1.386%        |
| 12        | 14.818      | 2026          | 2039        | 2047         | rBV2     | 230900         | 402566        | 16.10%          | 3.461%        |
| 13        | 15.635      | 2174          | 2178        | 2182         | rVB2     | 29086          | 37330         | 1.49%           | 0.321%        |
| 14        | 16.035      | 2240          | 2246        | 2250         | rBV3     | 16298          | 32283         | 1.29%           | 0.278%        |
| 15        | 16.299      | 2285          | 2291        | 2298         | rBV      | 561151         | 848311        | 33.92%          | 7.293%        |
| 16        | 16.493      | 2319          | 2324        | 2327         | rBV      | 39781          | 65760         | 2.63%           | 0.565%        |
| 17        | 17.556      | 2499          | 2505        | 2514         | rBV      | 293512         | 445595        | 17.82%          | 3.831%        |
| 18        | 20.142      | 2939          | 2945        | 2952         | rVB      | 1063777        | 1392966       | 55.70%          | 11.976%       |
| 19        | 21.434      | 3160          | 3165        | 3170         | rBV2     | 28988          | 45633         | 1.82%           | 0.392%        |
| 20        | 21.828      | 3225          | 3232        | 3239         | rVB      | 325261         | 538248        | 21.52%          | 4.628%        |
| 21        | 25.165      | 3789          | 3800        | 3810         | rVB3     | 171967         | 526227        | 21.04%          | 4.524%        |

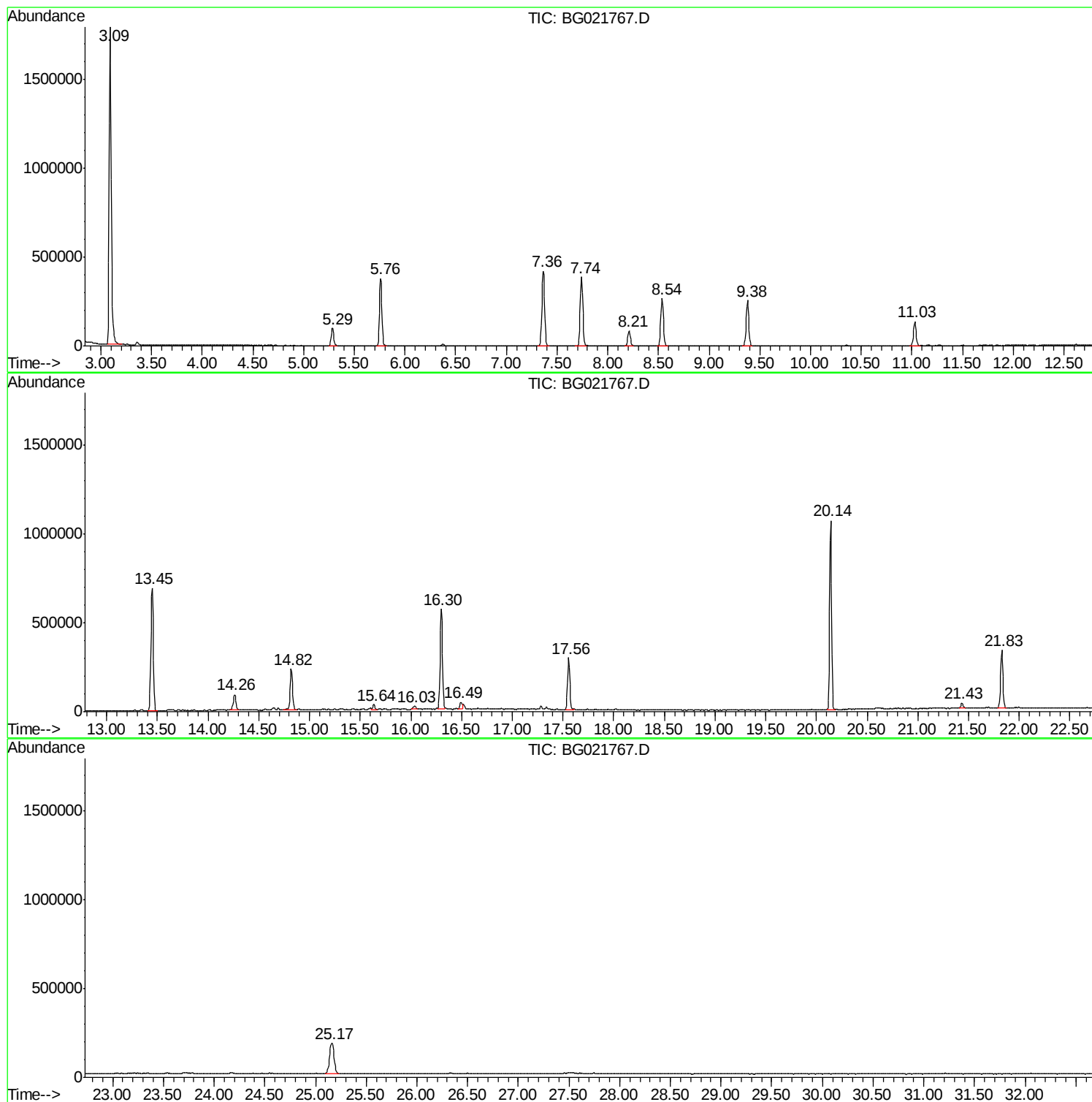
Sum of corrected areas: 11631373

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EUT01-TU-B1(5-12)-C

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.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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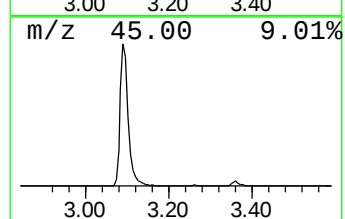
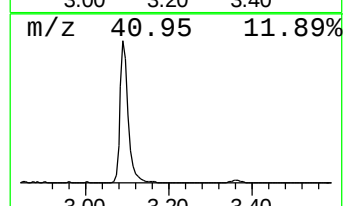
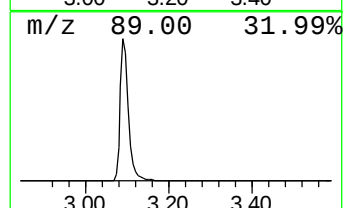
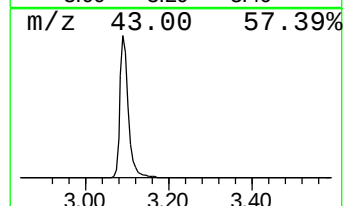
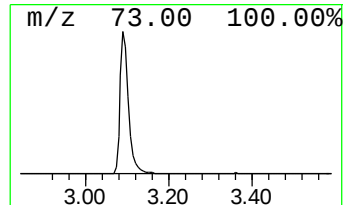
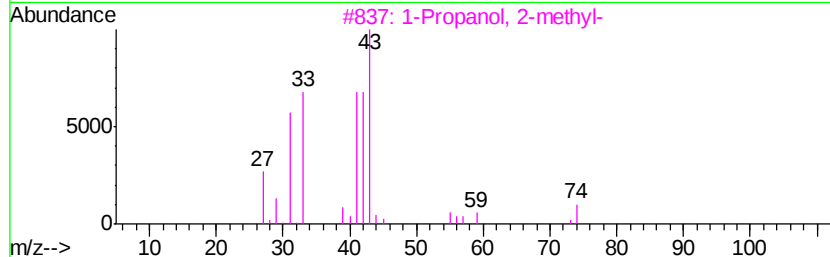
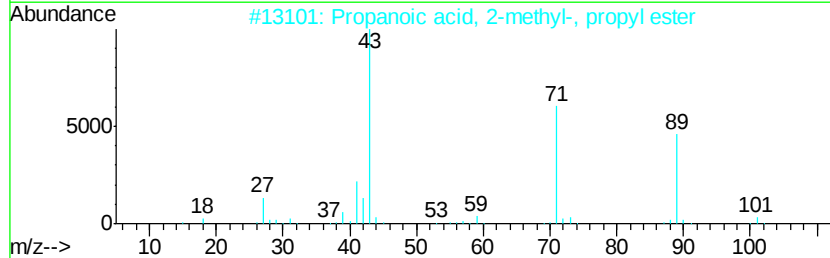
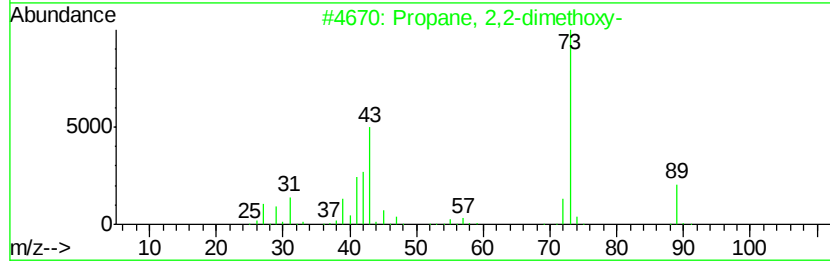
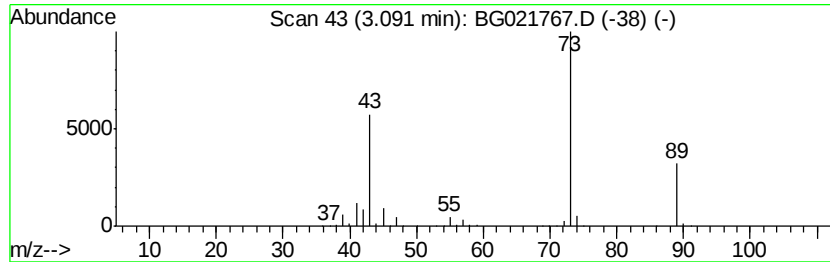
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.09 | 340.92 ng | 2500900 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-                 | 104 | C5H12O2 | 000077-76-9 | 56   |
| 2    |    | Propanoic acid, 2-methyl-, propyl ester | 130 | C7H14O2 | 000644-49-5 | 23   |
| 3    |    | 1-Propanol, 2-methyl-                   | 74  | C4H10O  | 000078-83-1 | 9    |
| 4    |    | N-Ethylformamide                        | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Propane, 2-methoxy-2-methyl-            | 88  | C5H12O  | 001634-04-4 | 9    |



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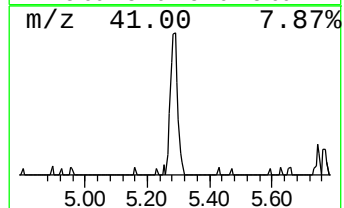
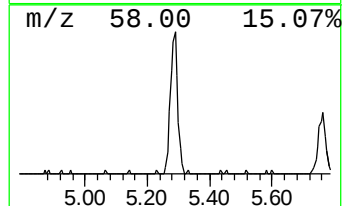
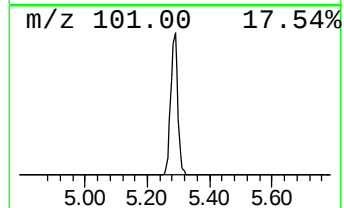
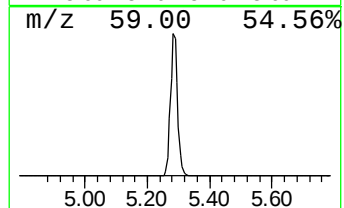
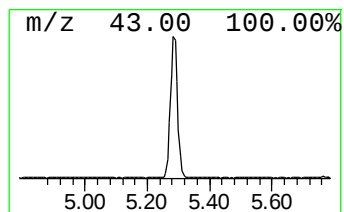
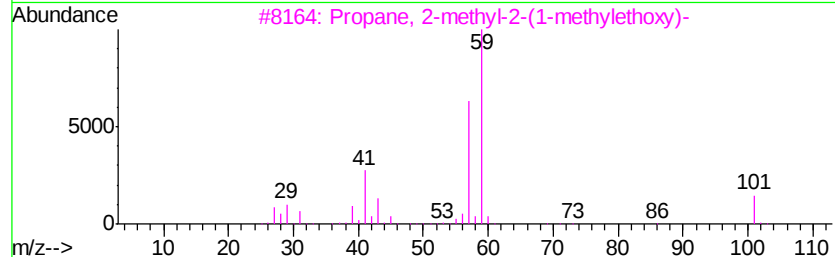
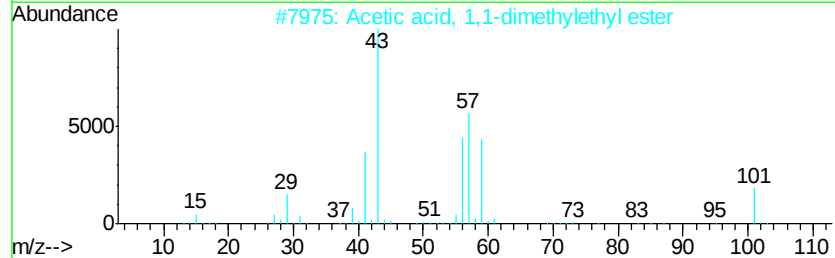
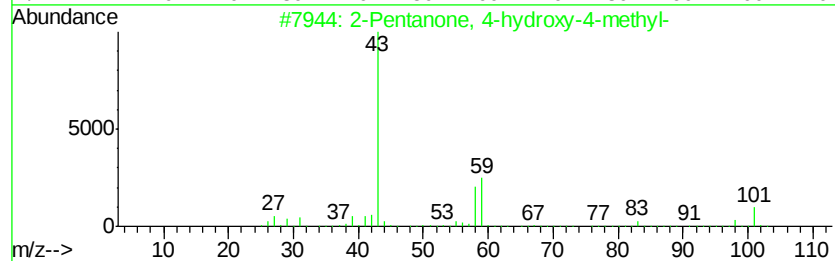
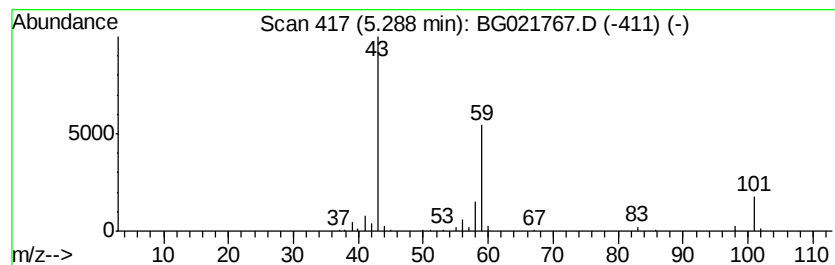
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.29 | 21.14 ng | 155090 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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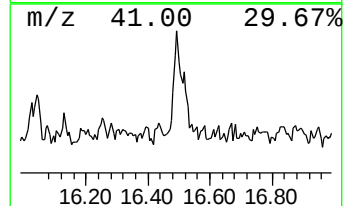
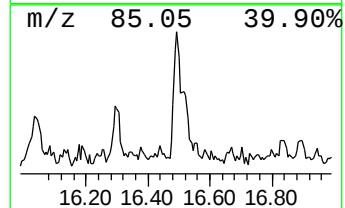
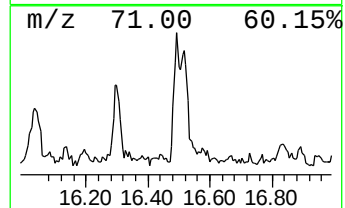
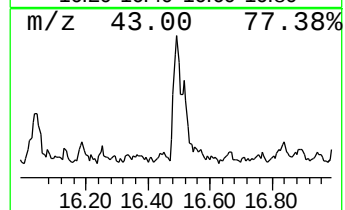
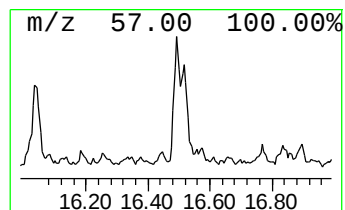
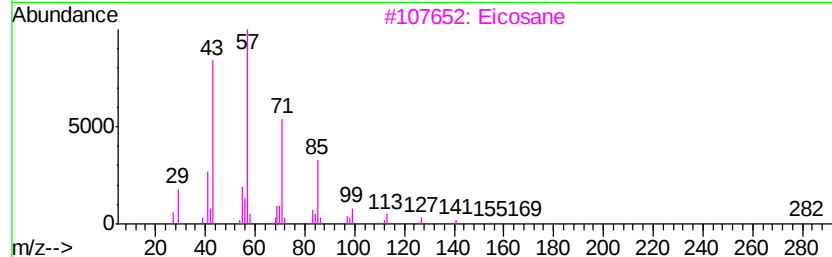
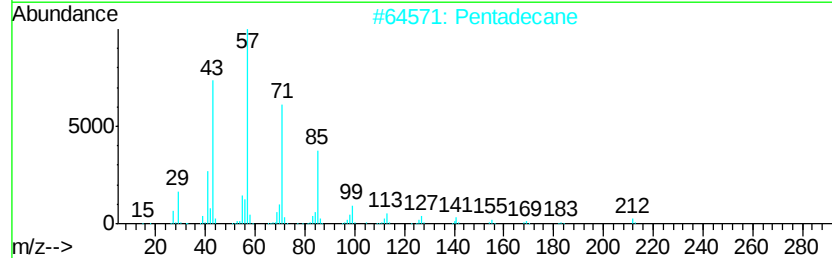
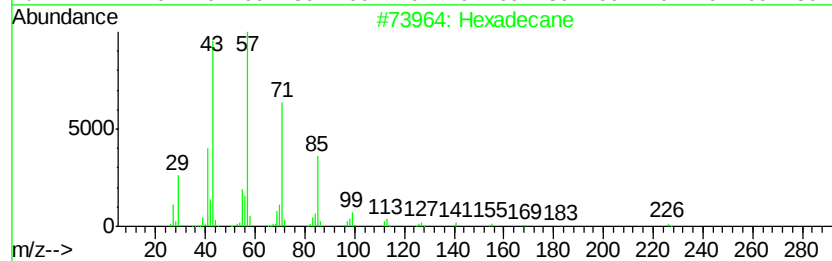
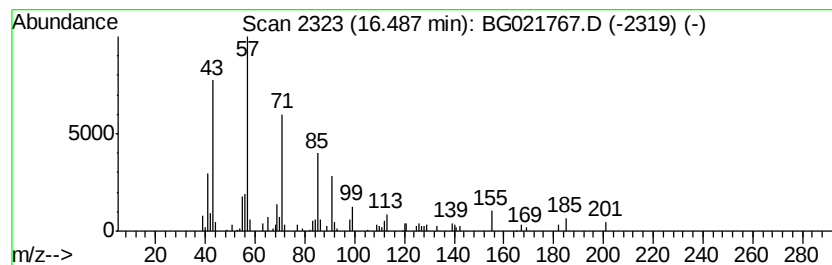
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Peak Number 5 Hexadecane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.49 | 2.95 ng | 65760 | Phenanthrene-d10 | 17.56 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 80   |
| 2       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 80   |
| 3       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 74   |
| 4       | Tetracosane |              | 338 | C24H50  | 000646-31-1 | 72   |
| 5       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 72   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propane, 2,2-dime... | 3.09  | 340.9   | ng    | 2500900  | 1                     | 8.21  | 146713 | 20.0 |
| 2-Pentanone, 4-hy... | 5.29  | 21.1    | ng    | 155090   | 1                     | 8.21  | 146713 | 20.0 |
| Hexadecane           | 16.49 | 3.0     | ng    | 65760    | 4                     | 17.56 | 445595 | 20.0 |