

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052815\  
 Data File : BG017341.D  
 Acq On : 29 May 2015 3:00  
 Operator : TP/IZ  
 Sample : G2386-22  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-12-D9

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-BG051315.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         | 2.730       | 4             | 7           | 14           | rVB2     | 9126           | 17945         | 1.76%           | 0.284%        |
| 2         | 4.763       | 348           | 353         | 360          | rBV      | 109450         | 148169        | 14.50%          | 2.344%        |
| 3         | 5.251       | 430           | 436         | 445          | rVB      | 202020         | 296292        | 29.00%          | 4.687%        |
| 4         | 6.855       | 703           | 709         | 721          | rBV      | 375754         | 568010        | 55.59%          | 8.986%        |
| 5         | 7.196       | 761           | 767         | 779          | rVB      | 302405         | 453320        | 44.37%          | 7.171%        |
| 6         | 7.654       | 839           | 845         | 852          | rVB      | 95504          | 143237        | 14.02%          | 2.266%        |
| 7         | 7.971       | 892           | 899         | 909          | rBV      | 247908         | 381019        | 37.29%          | 6.027%        |
| 8         | 8.817       | 1036          | 1043        | 1053         | rBV      | 222121         | 375294        | 36.73%          | 5.937%        |
| 9         | 10.445      | 1313          | 1320        | 1328         | rBV      | 115015         | 191032        | 18.70%          | 3.022%        |
| 10        | 12.930      | 1736          | 1743        | 1749         | rBV      | 500187         | 721551        | 70.62%          | 11.414%       |
| 11        | 13.776      | 1880          | 1887        | 1896         | rBV      | 38563          | 56227         | 5.50%           | 0.889%        |
| 12        | 14.311      | 1972          | 1978        | 1989         | rVB2     | 175284         | 261365        | 25.58%          | 4.135%        |
| 13        | 15.809      | 2227          | 2233        | 2244         | rBV      | 229113         | 340653        | 33.34%          | 5.389%        |
| 14        | 17.061      | 2440          | 2446        | 2455         | rBV      | 251472         | 338607        | 33.14%          | 5.357%        |
| 15        | 17.965      | 2597          | 2600        | 2606         | rVB2     | 16324          | 21408         | 2.10%           | 0.339%        |
| 16        | 19.693      | 2889          | 2894        | 2899         | rBV      | 897029         | 1021735       | 100.00%         | 16.163%       |
| 17        | 20.956      | 3105          | 3109        | 3118         | rBV2     | 40172          | 62594         | 6.13%           | 0.990%        |
| 18        | 21.162      | 3141          | 3144        | 3149         | rBV4     | 7852           | 10829         | 1.06%           | 0.171%        |
| 19        | 21.244      | 3153          | 3158        | 3165         | rVV      | 366912         | 463101        | 45.32%          | 7.326%        |
| 20        | 23.488      | 3532          | 3540        | 3547         | rBV      | 236346         | 448981        | 43.94%          | 7.103%        |

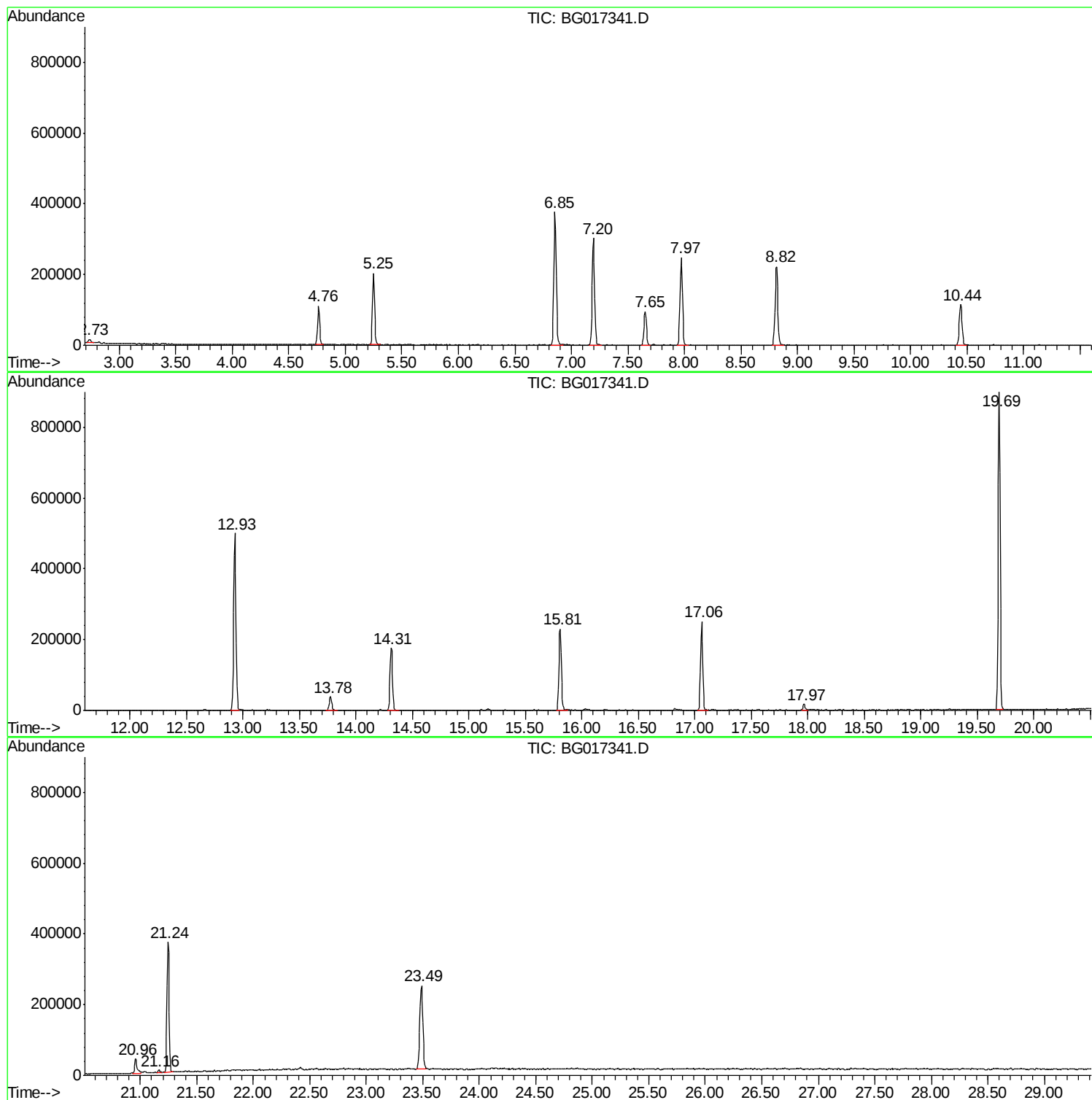
Sum of corrected areas: 6321369

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ClientSampleId :  
TP-12-D9

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.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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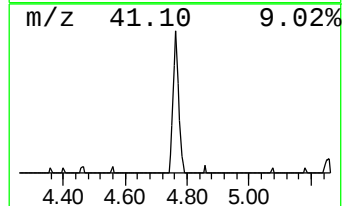
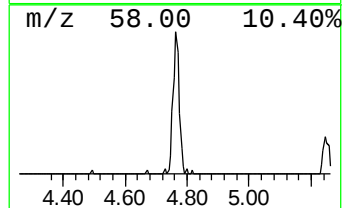
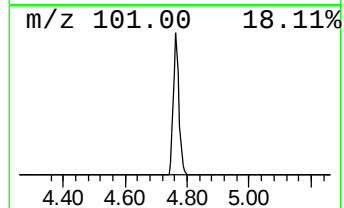
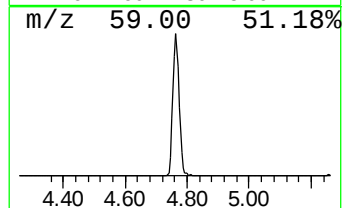
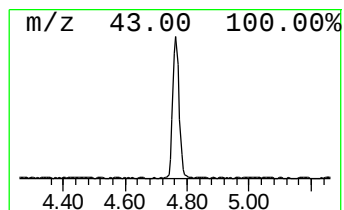
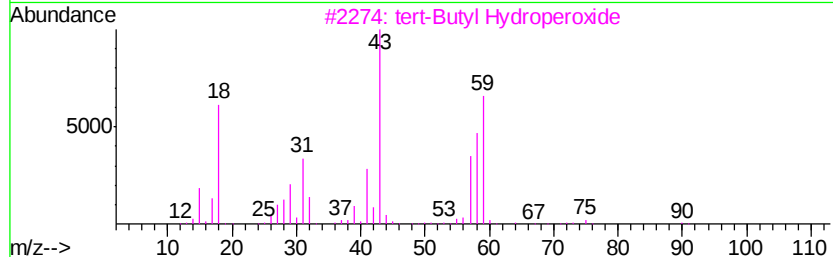
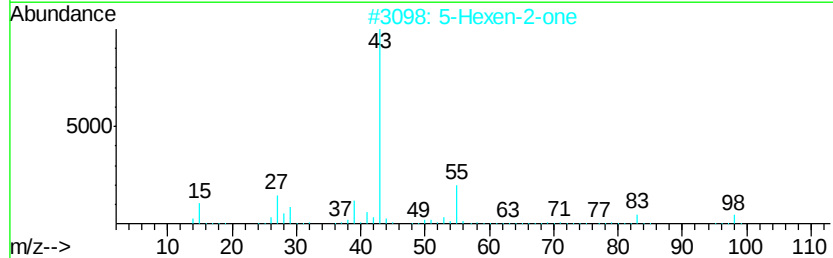
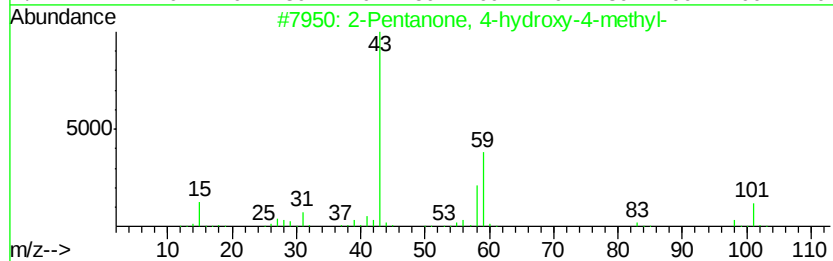
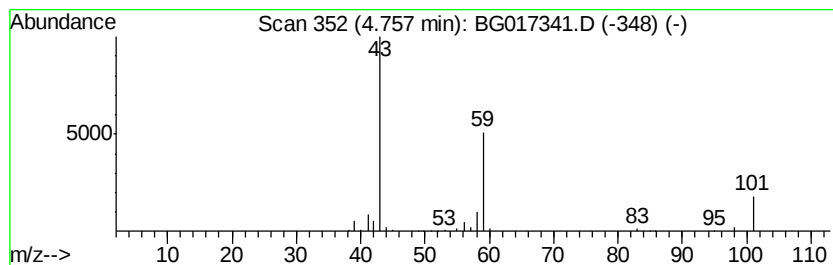
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.76 | 20.69 ng | 148169 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45   |
| 2    |    | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 3    |    | tert-Butyl Hydroperoxide         | 90  | C4H10O2 | 000075-91-2 | 9    |
| 4    |    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    | Butane                           | 58  | C4H10   | 000106-97-8 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
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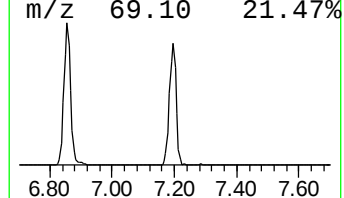
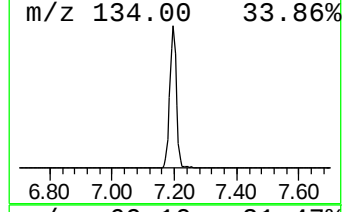
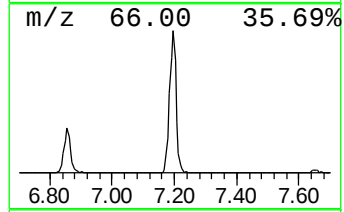
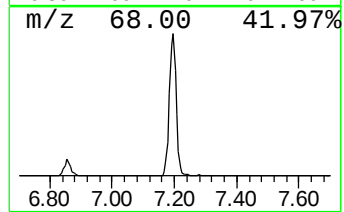
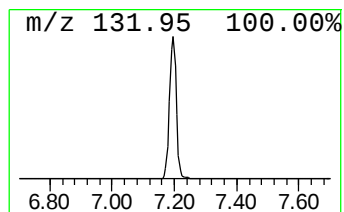
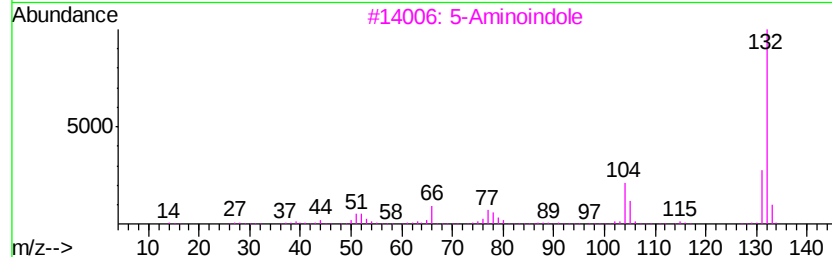
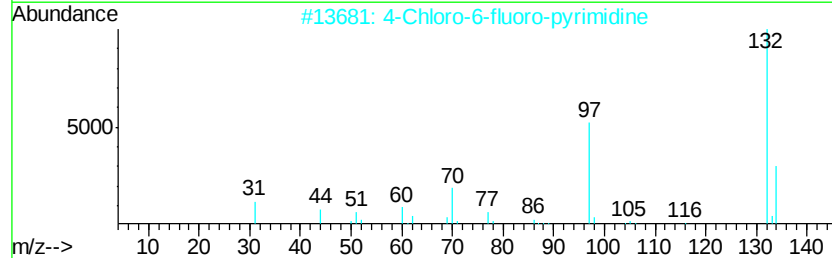
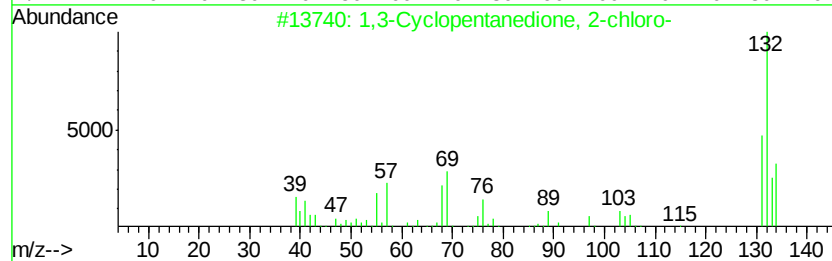
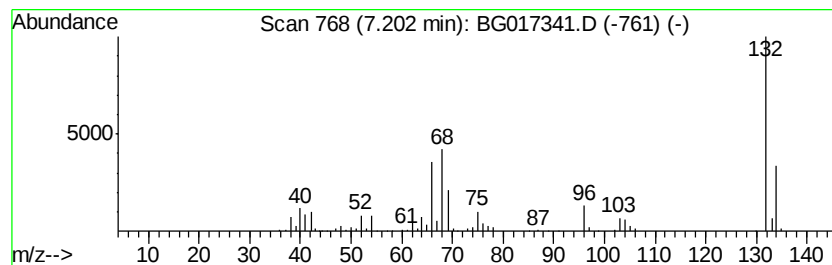
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Peak Number 3 unknown7.20 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.20 | 63.30 ng | 453320 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 32   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |



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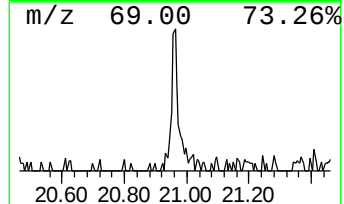
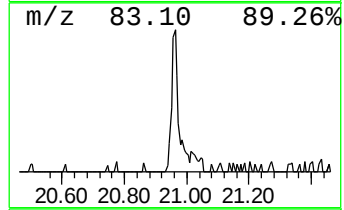
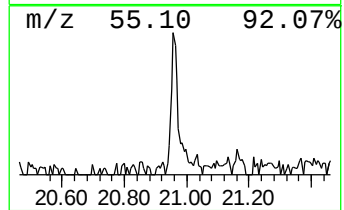
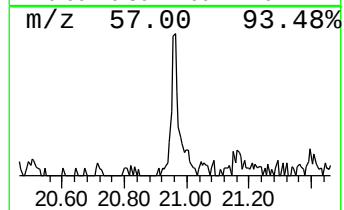
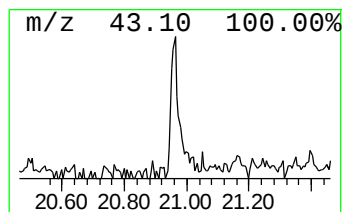
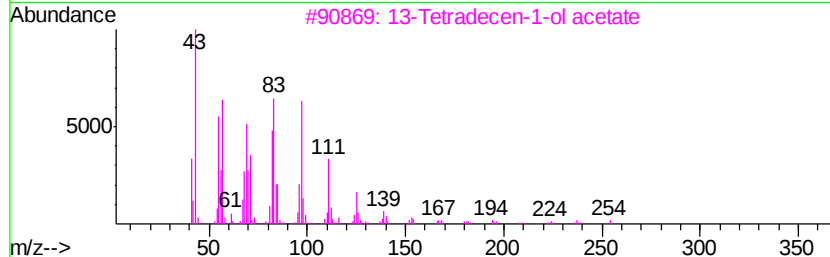
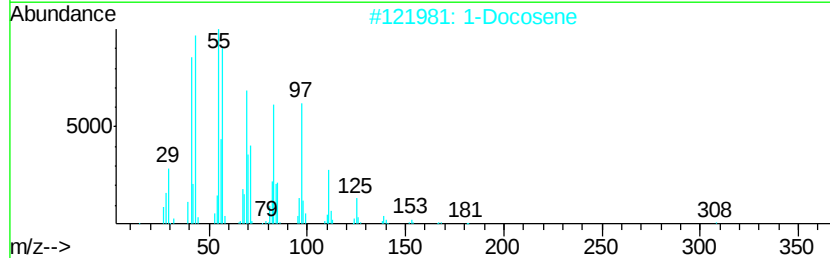
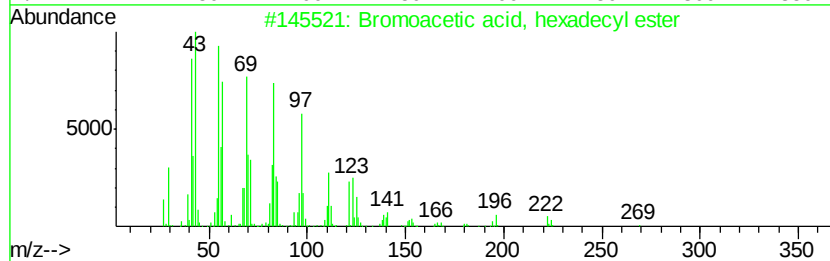
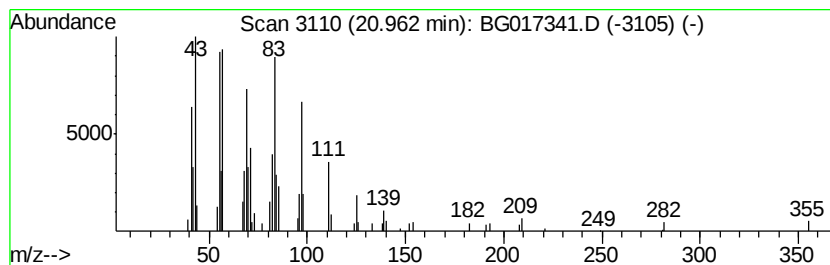
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Peak Number 5 Bromoacetic acid, hexadecyl... Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.96 | 2.70 ng | 62594 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                      | MW  | MolForm    | CAS#        | Qual |
|------|----|-----------------------------------|-----|------------|-------------|------|
| 1    | 5  | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 83   |
| 2    |    | 1-Docosene                        | 308 | C22H44     | 001599-67-3 | 80   |
| 3    |    | 13-Tetradecen-1-ol acetate        | 254 | C16H30O2   | 056221-91-1 | 80   |
| 4    |    | 10-Heneicosene (c,t)              | 294 | C21H42     | 095008-11-0 | 80   |
| 5    |    | 1-Nonadecene                      | 266 | C19H38     | 018435-45-5 | 74   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.76  | 20.7    | ng    | 148169   | 1                     | 7.65  | 143237 | 20.0 |
| unknown7.20          | 7.20  | 63.3    | ng    | 453320   | 1                     | 7.65  | 143237 | 20.0 |
| Bromoacetic acid,... | 20.96 | 2.7     | ng    | 62594    | 5                     | 21.24 | 463101 | 20.0 |