

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\  
 Data File : BG021782.D  
 Acq On : 20 Apr 2016 13:06  
 Operator : UM/SJ  
 Sample : H2589-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WPG-B19(0-5)-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          | 63           | rVB      | 1859046        | 2685994       | 100.00%         | 18.429%       |
| 2         | 5.288       | 409           | 417         | 424          | rBV      | 99562          | 159613        | 5.94%           | 1.095%        |
| 3         | 5.764       | 488           | 498         | 507          | rBV      | 512202         | 835402        | 31.10%          | 5.732%        |
| 4         | 7.368       | 763           | 771         | 786          | rBV      | 566215         | 977469        | 36.39%          | 6.706%        |
| 5         | 7.744       | 827           | 835         | 842          | rBV      | 539797         | 938652        | 34.95%          | 6.440%        |
| 6         | 8.214       | 907           | 915         | 923          | rBV      | 110364         | 197563        | 7.36%           | 1.355%        |
| 7         | 8.537       | 959           | 970         | 979          | rBV      | 390626         | 689456        | 25.67%          | 4.730%        |
| 8         | 9.383       | 1106          | 1114        | 1124         | rVB      | 340586         | 626314        | 23.32%          | 4.297%        |
| 9         | 10.053      | 1221          | 1228        | 1238         | rBV2     | 15399          | 45064         | 1.68%           | 0.309%        |
| 10        | 11.028      | 1387          | 1394        | 1402         | rVB      | 174094         | 314007        | 11.69%          | 2.154%        |
| 11        | 13.449      | 1798          | 1806        | 1813         | rVB      | 943825         | 1452160       | 54.06%          | 9.963%        |
| 12        | 14.260      | 1938          | 1944        | 1951         | rBV      | 109300         | 160058        | 5.96%           | 1.098%        |
| 13        | 14.824      | 2033          | 2040        | 2047         | rVB2     | 256072         | 423360        | 15.76%          | 2.905%        |
| 14        | 15.635      | 2173          | 2178        | 2184         | rVB      | 34421          | 44726         | 1.67%           | 0.307%        |
| 15        | 16.299      | 2285          | 2291        | 2301         | rVB      | 617320         | 995619        | 37.07%          | 6.831%        |
| 16        | 16.493      | 2319          | 2324        | 2332         | rBV2     | 40340          | 70639         | 2.63%           | 0.485%        |
| 17        | 17.280      | 2453          | 2458        | 2463         | rBV2     | 27486          | 36190         | 1.35%           | 0.248%        |
| 18        | 17.556      | 2498          | 2505        | 2510         | rBV2     | 302831         | 481722        | 17.93%          | 3.305%        |
| 19        | 17.597      | 2510          | 2512        | 2518         | rVB      | 25935          | 38045         | 1.42%           | 0.261%        |
| 20        | 19.589      | 2847          | 2851        | 2857         | rVB      | 76315          | 108354        | 4.03%           | 0.743%        |
| 21        | 19.900      | 2900          | 2904        | 2906         | rBV      | 22276          | 30770         | 1.15%           | 0.211%        |
| 22        | 19.953      | 2909          | 2913        | 2919         | rVB      | 82508          | 124918        | 4.65%           | 0.857%        |
| 23        | 20.141      | 2939          | 2945        | 2951         | rBV      | 1370200        | 1816145       | 67.62%          | 12.461%       |
| 24        | 20.423      | 2990          | 2993        | 2999         | rVB3     | 39610          | 60329         | 2.25%           | 0.414%        |
| 25        | 20.923      | 3075          | 3078        | 3081         | rVB      | 36339          | 44168         | 1.64%           | 0.303%        |
| 26        | 21.434      | 3161          | 3165        | 3173         | rBV3     | 84153          | 128613        | 4.79%           | 0.882%        |
| 27        | 21.827      | 3225          | 3232        | 3238         | rBV      | 328098         | 624344        | 23.24%          | 4.284%        |
| 28        | 25.165      | 3792          | 3800        | 3811         | rBV2     | 158102         | 465285        | 17.32%          | 3.192%        |

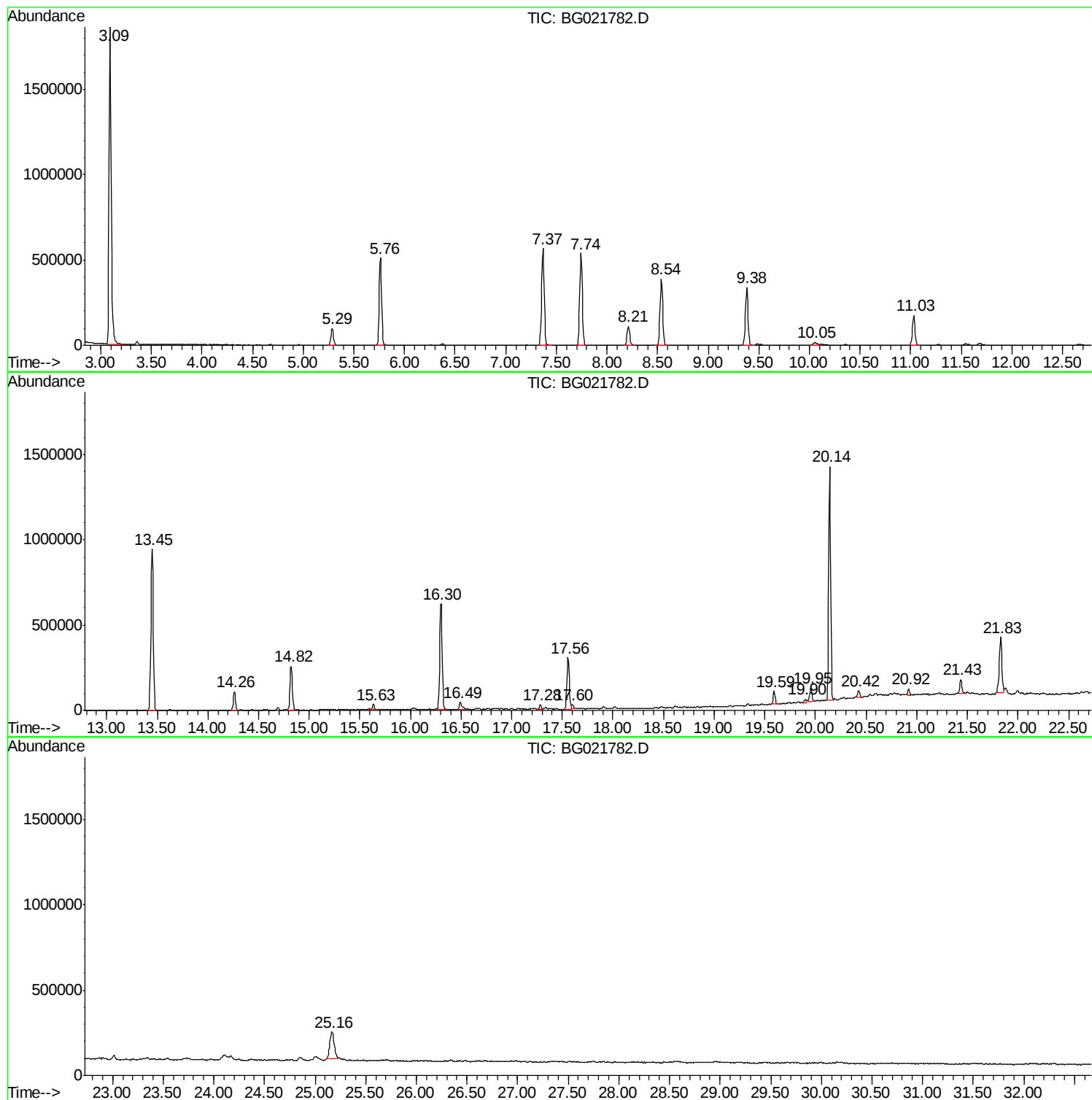
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WPG-B19(0-5)-C

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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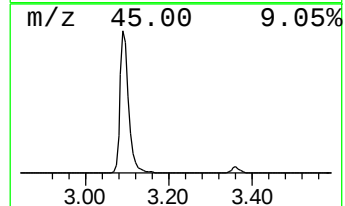
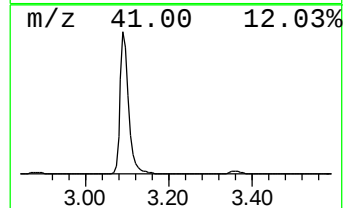
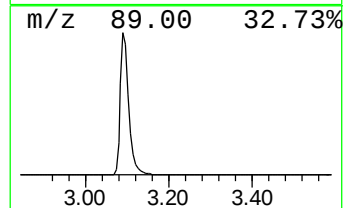
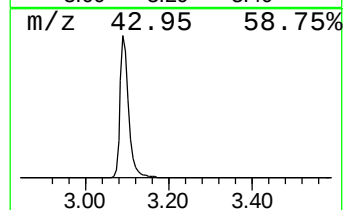
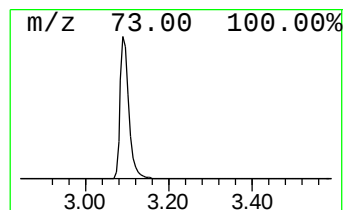
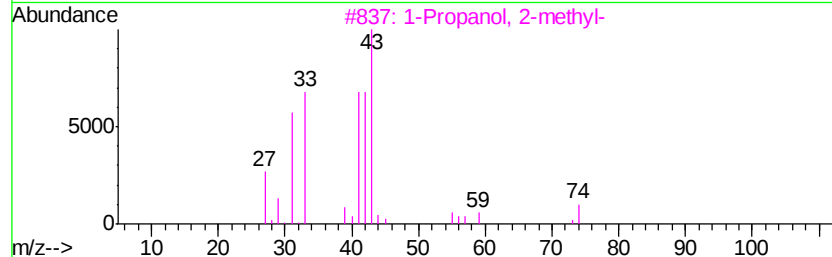
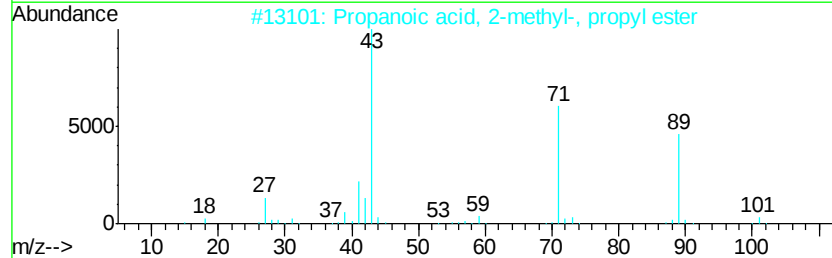
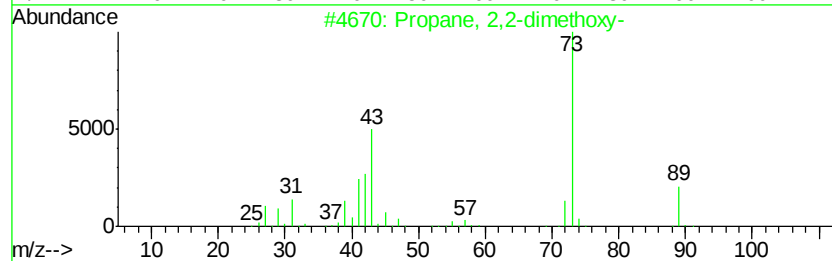
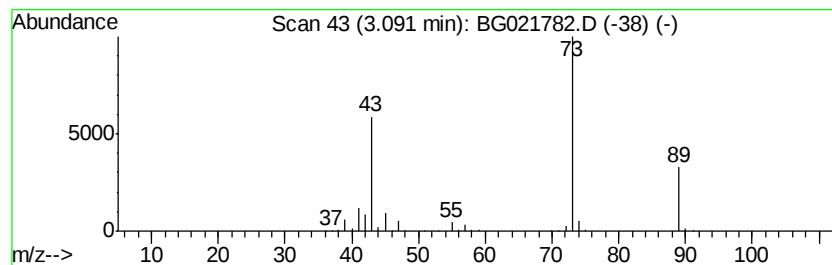
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 | 271.91 ng | 2685990 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | 5 | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Propane, 2,2-dimethoxy-                 | 104 | C5H12O2 | 000077-76-9 | 64   |
| 2    |    |   | Propanoic acid, 2-methyl-, propyl ester | 130 | C7H14O2 | 000644-49-5 | 17   |
| 3    |    |   | 1-Propanol, 2-methyl-                   | 74  | C4H10O  | 000078-83-1 | 9    |
| 4    |    |   | N-Ethylformamide                        | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    |   | 1,3-Diaminoguanidine                    | 89  | CH7N5   | 004364-78-7 | 9    |



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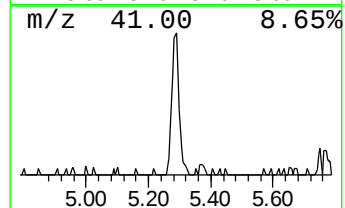
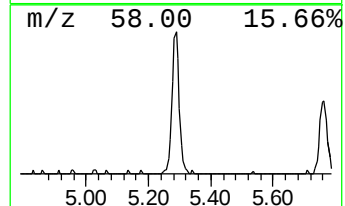
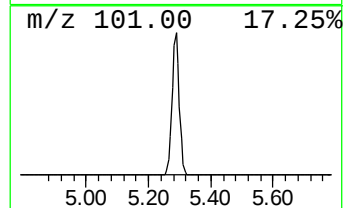
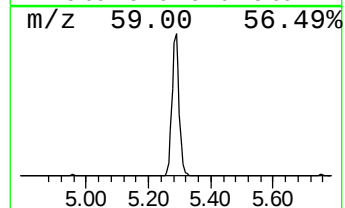
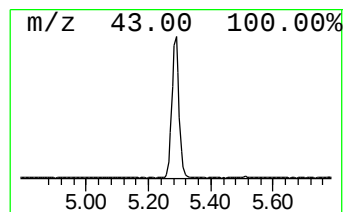
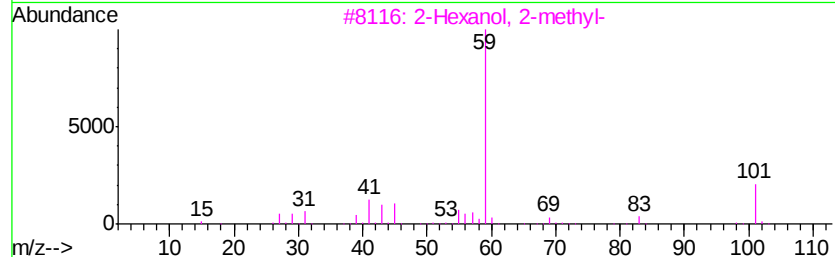
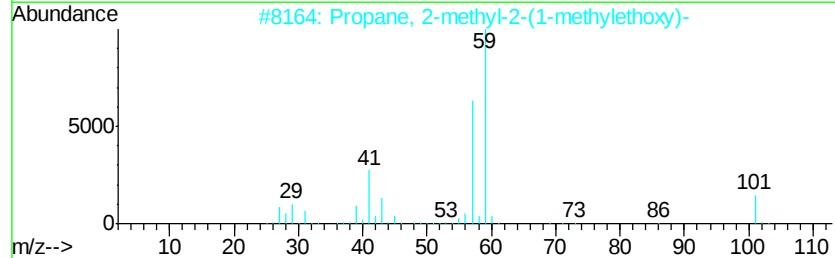
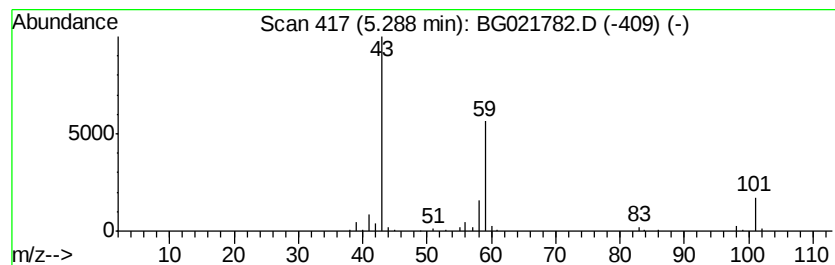
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TIC Integration Parameters: LSCINT.P

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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 | 16.16 ng | 159613 | 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 | 50   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 36   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 28   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 12   |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |



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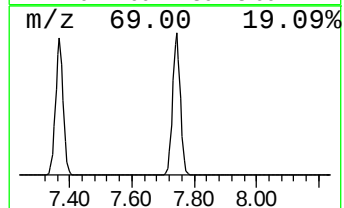
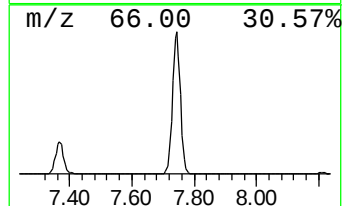
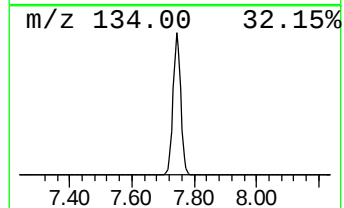
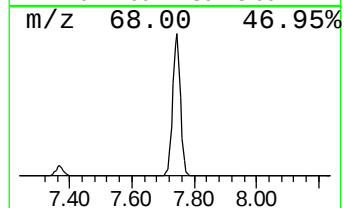
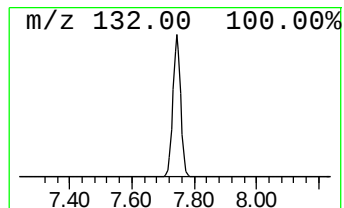
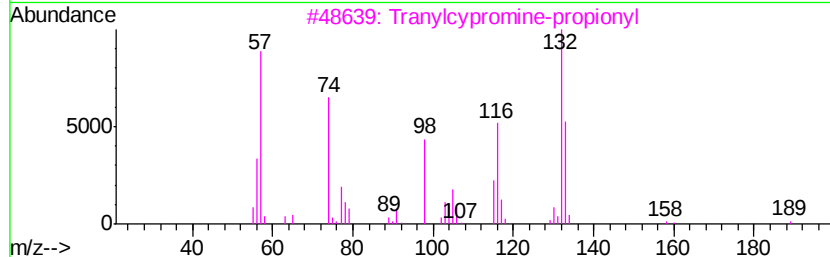
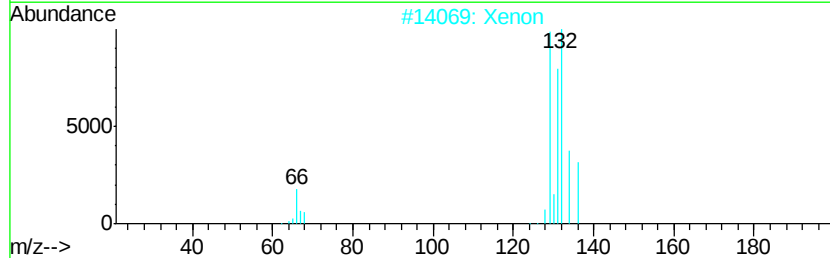
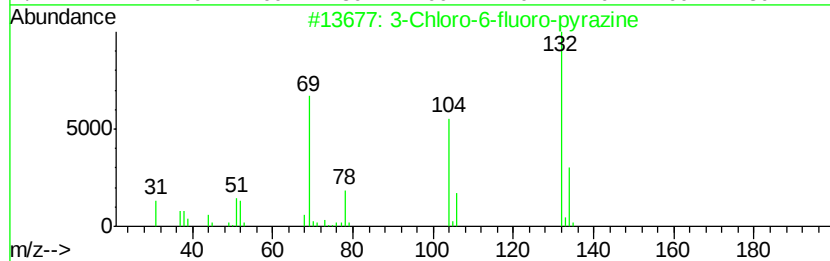
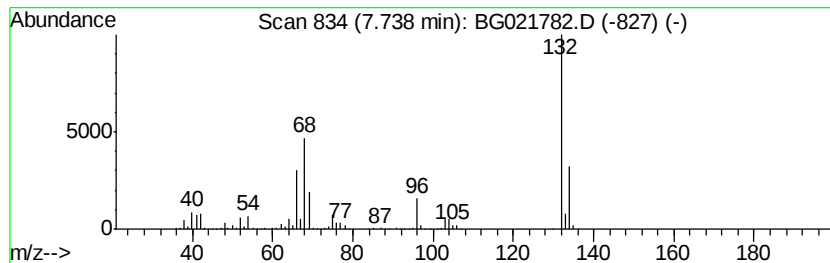
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.74 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.74 | 95.02 ng | 938652 | 1,4-Dichlorobenzene-d4 | 8.21 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

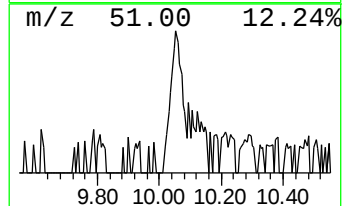
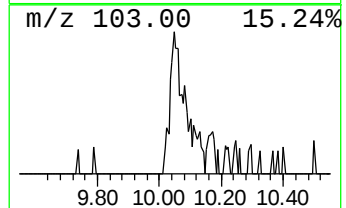
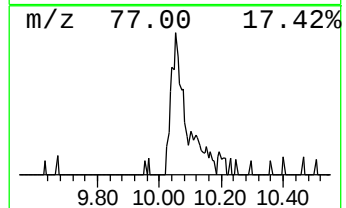
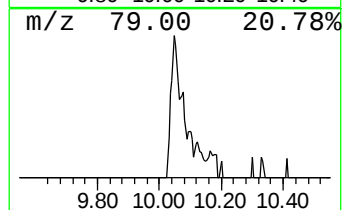
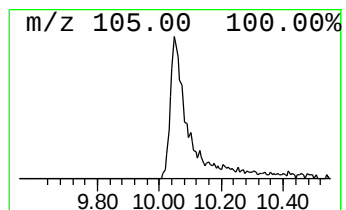
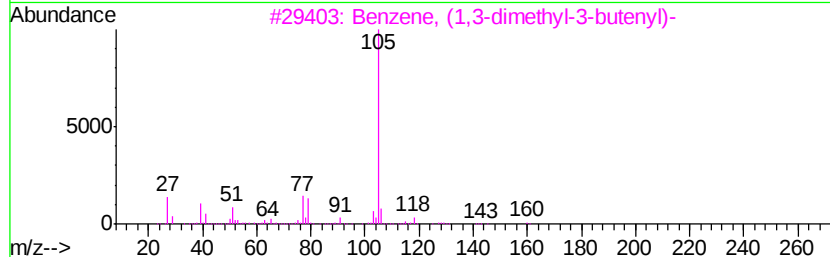
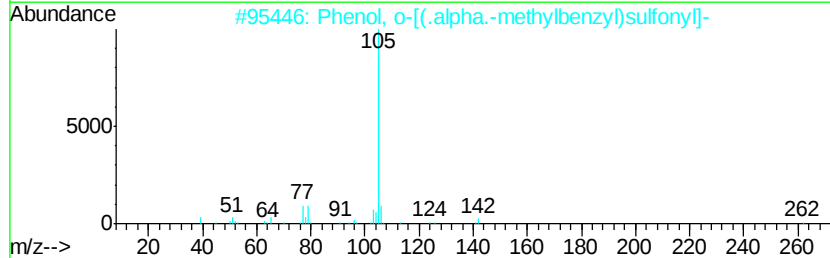
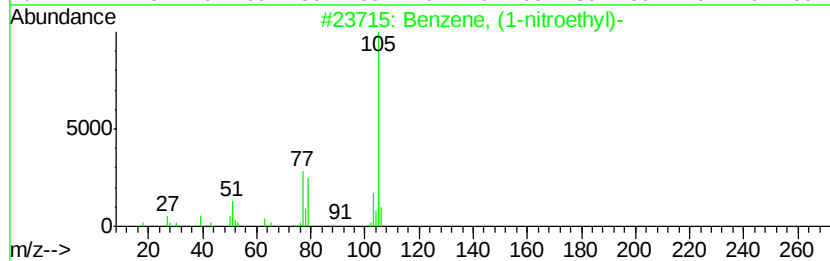
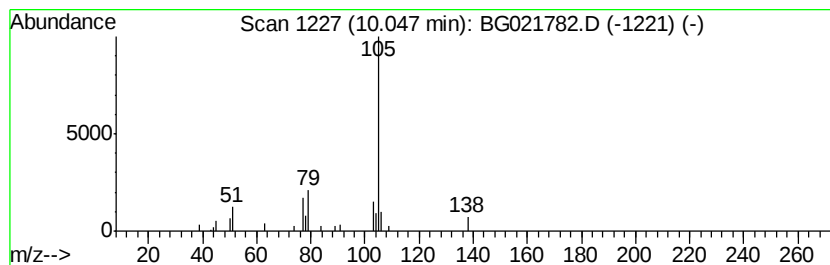
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Peak Number 5 Benzene, (1-nitroethyl)- Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 10.05 | 2.87 ng | 45064 | Napthalene-d8    | 11.03 |

| Hit# of | 5 | Tentative ID                          | MW  | MolForm   | CAS#        | Qual |
|---------|---|---------------------------------------|-----|-----------|-------------|------|
| 1       |   | Benzene, (1-nitroethyl)-              | 151 | C8H9NO2   | 007214-61-1 | 72   |
| 2       |   | Phenol, o-[(.alpha.-methylbenzyl)...] | 262 | C14H14O3S | 029634-38-6 | 64   |
| 3       |   | Benzene, (1,3-dimethyl-3-butenyl)-    | 160 | C12H16    | 056851-51-5 | 53   |
| 4       |   | Ether, p-methylbenzyl vinyl           | 148 | C10H12O   | 026437-10-5 | 53   |
| 5       |   | Benzene, 1-(bromomethyl)-4-methyl-    | 184 | C8H9Br    | 000104-81-4 | 50   |



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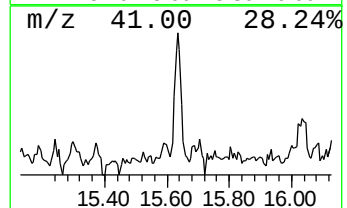
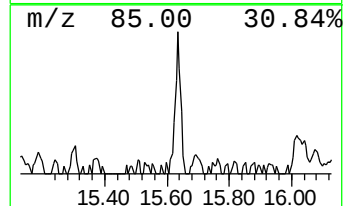
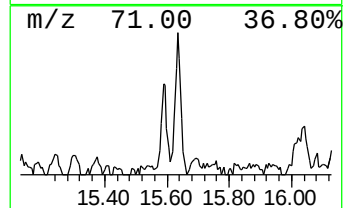
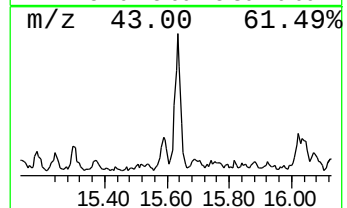
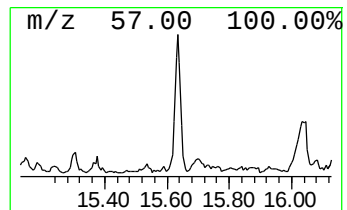
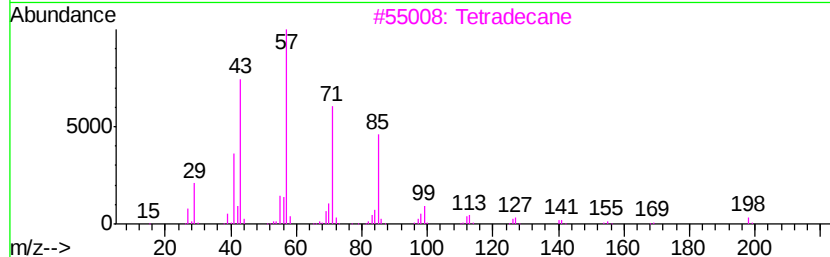
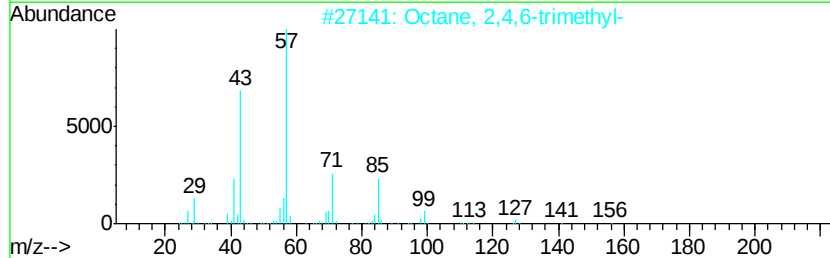
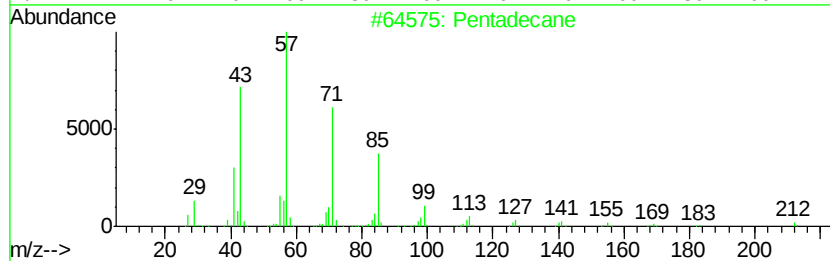
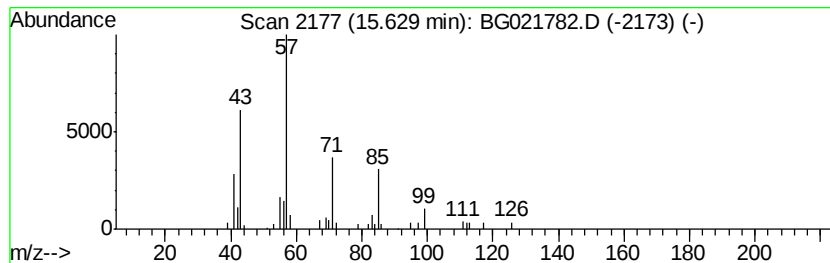
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentadecane Concentration Rank 8

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------|--------------|------------------|-----------|
| 15.63   | 2.11 ng                  | 44726        | Acenaphthene-d10 | 14.82     |
| Hit# of | 5                        | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentadecane              | 212 C15H32   | 000629-62-9      | 86        |
| 2       | Octane, 2,4,6-trimethyl- | 156 C11H24   | 062016-37-9      | 86        |
| 3       | Tetradecane              | 198 C14H30   | 000629-59-4      | 86        |
| 4       | Eicosane                 | 282 C20H42   | 000112-95-8      | 72        |
| 5       | Dodecane                 | 170 C12H26   | 000112-40-3      | 68        |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\  
Data File : BG021782.D  
Acq On : 20 Apr 2016 13:06  
Operator : UM/SJ  
Sample : H2589-09  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WPG-B19(0-5)-C

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

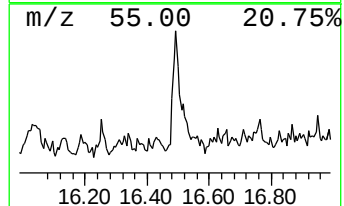
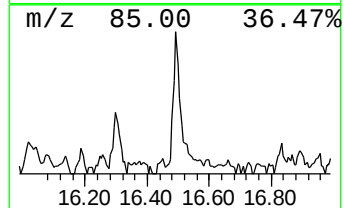
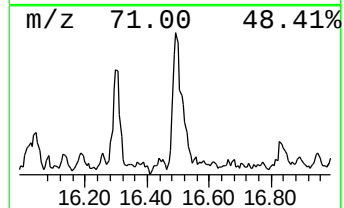
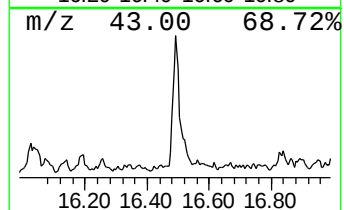
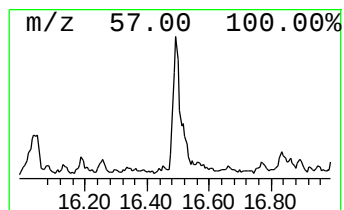
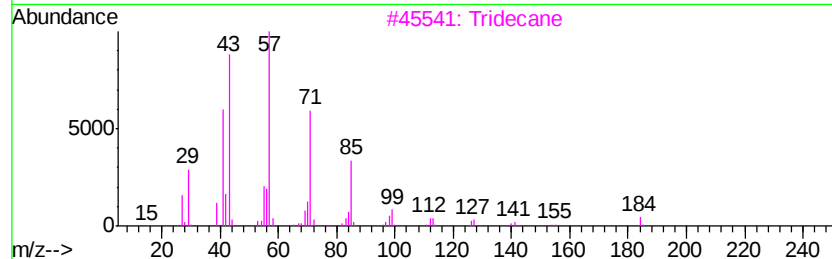
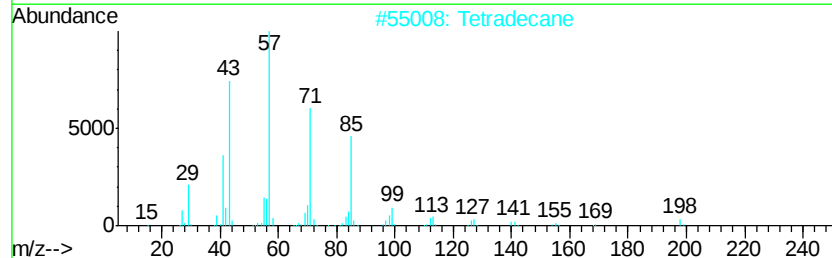
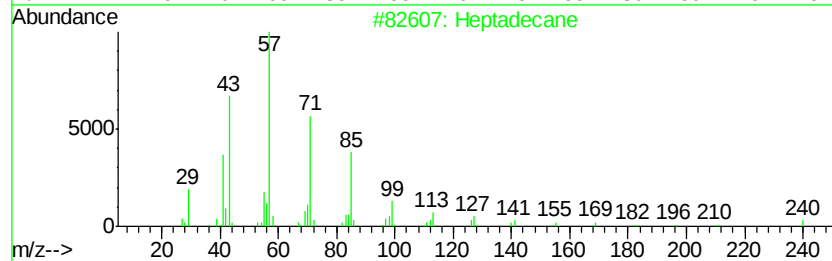
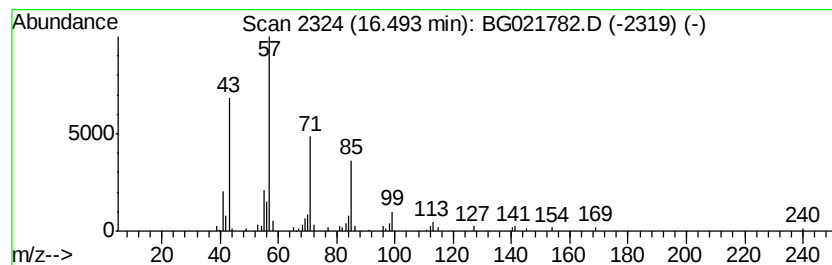
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Heptadecane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.49 | 2.93 ng | 70639 | Phenanthrene-d10 | 17.56 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 91   |
| 2       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 91   |
| 3       | Tridecane   |              | 184 | C13H28  | 000629-50-5 | 90   |
| 4       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 90   |
| 5       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 90   |



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Data File : BG021782.D  
Acq On : 20 Apr 2016 13:06  
Operator : UM/SJ  
Sample : H2589-09  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

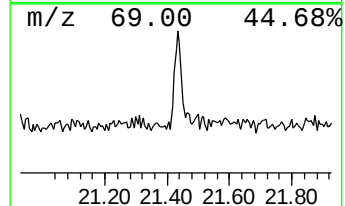
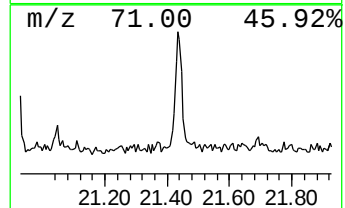
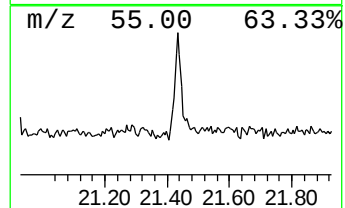
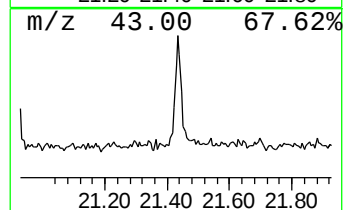
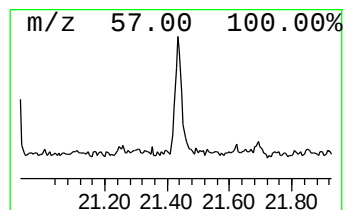
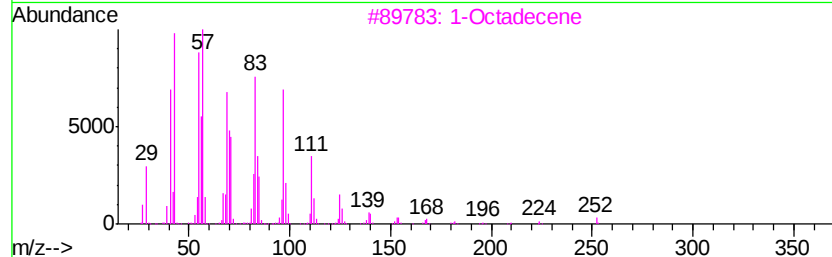
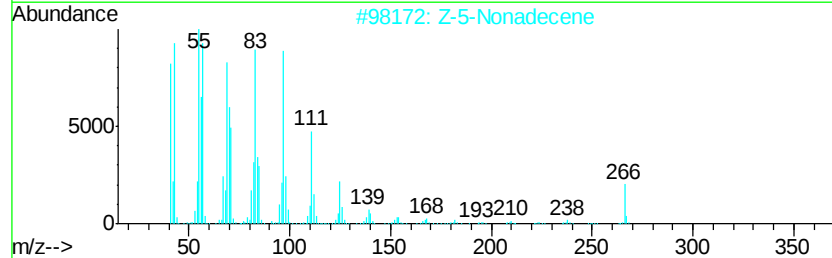
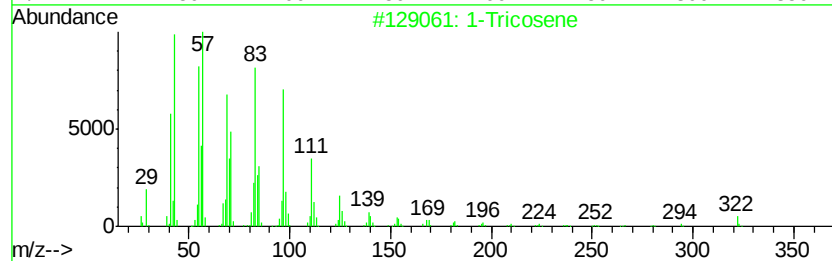
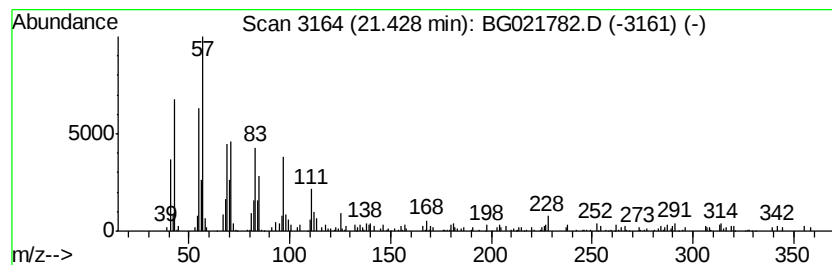
Instrument :  
BNA\_G  
ClientSampleId :  
WPG-B19(0-5)-C

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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Peak Number 8 1-Tricosene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD           |     | R.T.     |              |      |
|-------|---------|--------|----------------------------|-----|----------|--------------|------|
| 21.43 | 4.12 ng | 128613 | Chrysene-d12               |     | 21.83    |              |      |
| Hit#  | of      | 5      | Tentative ID               | MW  | MolForm  | CAS#         | Qual |
| 1     |         |        | 1-Tricosene                | 322 | C23H46   | 018835-32-0  | 90   |
| 2     |         |        | Z-5-Nonadecene             | 266 | C19H38   | 1000131-11-8 | 89   |
| 3     |         |        | 1-Octadecene               | 252 | C18H36   | 000112-88-9  | 80   |
| 4     |         |        | 13-Tetradecen-1-ol acetate | 254 | C16H30O2 | 056221-91-1  | 78   |
| 5     |         |        | 9-Tricosene, (Z)-          | 322 | C23H46   | 027519-02-4  | 78   |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WPG-B19(0-5)-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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propane, 2,2-dime... | 3.09  | 271.9   | ng    | 2685990  | 1                     | 8.21  | 197563 | 20.0 |
| 2-Pentanone, 4-hy... | 5.29  | 16.2    | ng    | 159613   | 1                     | 8.21  | 197563 | 20.0 |
| unknown7.74          | 7.74  | 95.0    | ng    | 938652   | 1                     | 8.21  | 197563 | 20.0 |
| Benzene, (1-nitro... | 10.05 | 2.9     | ng    | 45064    | 2                     | 11.03 | 314007 | 20.0 |
| Pentadecane          | 15.63 | 2.1     | ng    | 44726    | 3                     | 14.82 | 423360 | 20.0 |
| Heptadecane          | 16.49 | 2.9     | ng    | 70639    | 4                     | 17.56 | 481722 | 20.0 |
| 1-Tricosene          | 21.43 | 4.1     | ng    | 128613   | 5                     | 21.83 | 624344 | 20.0 |