

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
 Data File : BG040013.D  
 Acq On : 19 Mar 2019 21:57  
 Operator : JU/SJ  
 Sample : K1956-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-8

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.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         | 3.196       | 13            | 18          | 26           | rBV      | 82884          | 172487        | 5.62%           | 1.053%        |
| 2         | 3.266       | 26            | 30          | 41           | rVB      | 145434         | 220653        | 7.19%           | 1.347%        |
| 3         | 5.686       | 436           | 442         | 457          | rVB      | 733218         | 1212070       | 39.48%          | 7.400%        |
| 4         | 7.296       | 708           | 716         | 726          | rBV      | 780167         | 1401995       | 45.66%          | 8.560%        |
| 5         | 7.672       | 772           | 780         | 787          | rBV      | 757271         | 1274126       | 41.50%          | 7.779%        |
| 6         | 8.142       | 853           | 860         | 867          | rBV      | 139053         | 233874        | 7.62%           | 1.428%        |
| 7         | 8.465       | 907           | 915         | 927          | rVB      | 529890         | 914678        | 29.79%          | 5.585%        |
| 8         | 9.323       | 1053          | 1061        | 1069         | rBV      | 457597         | 835269        | 27.20%          | 5.100%        |
| 9         | 10.962      | 1332          | 1340        | 1348         | rVB      | 186449         | 335832        | 10.94%          | 2.050%        |
| 10        | 13.394      | 1747          | 1754        | 1761         | rVB      | 1254715        | 1953612       | 63.63%          | 11.928%       |
| 11        | 14.210      | 1887          | 1893        | 1900         | rBV      | 76815          | 113361        | 3.69%           | 0.692%        |
| 12        | 14.768      | 1980          | 1988        | 1996         | rBV2     | 307288         | 491398        | 16.00%          | 3.000%        |
| 13        | 16.254      | 2235          | 2241        | 2253         | rBV      | 1047153        | 1569521       | 51.12%          | 9.583%        |
| 14        | 17.517      | 2447          | 2456        | 2467         | rVB      | 400166         | 640816        | 20.87%          | 3.912%        |
| 15        | 18.363      | 2595          | 2600        | 2608         | rBV3     | 24625          | 39835         | 1.30%           | 0.243%        |
| 16        | 20.108      | 2891          | 2897        | 2906         | rVB      | 2387349        | 3070383       | 100.00%         | 18.746%       |
| 17        | 21.389      | 3110          | 3115        | 3121         | rBV6     | 20182          | 48844         | 1.59%           | 0.298%        |
| 18        | 21.800      | 3175          | 3185        | 3194         | rVB2     | 455555         | 769014        | 25.05%          | 4.695%        |
| 19        | 22.564      | 3310          | 3315        | 3322         | rVB5     | 23594          | 39078         | 1.27%           | 0.239%        |
| 20        | 23.280      | 3430          | 3437        | 3444         | rBV      | 34597          | 63857         | 2.08%           | 0.390%        |
| 21        | 24.109      | 3571          | 3578        | 3585         | rVB3     | 34975          | 75635         | 2.46%           | 0.462%        |
| 22        | 25.090      | 3736          | 3745        | 3748         | rBV2     | 35511          | 85471         | 2.78%           | 0.522%        |
| 23        | 25.160      | 3748          | 3757        | 3770         | rVB2     | 251185         | 744769        | 24.26%          | 4.547%        |
| 24        | 26.259      | 3936          | 3944        | 3954         | rBV4     | 24117          | 72219         | 2.35%           | 0.441%        |

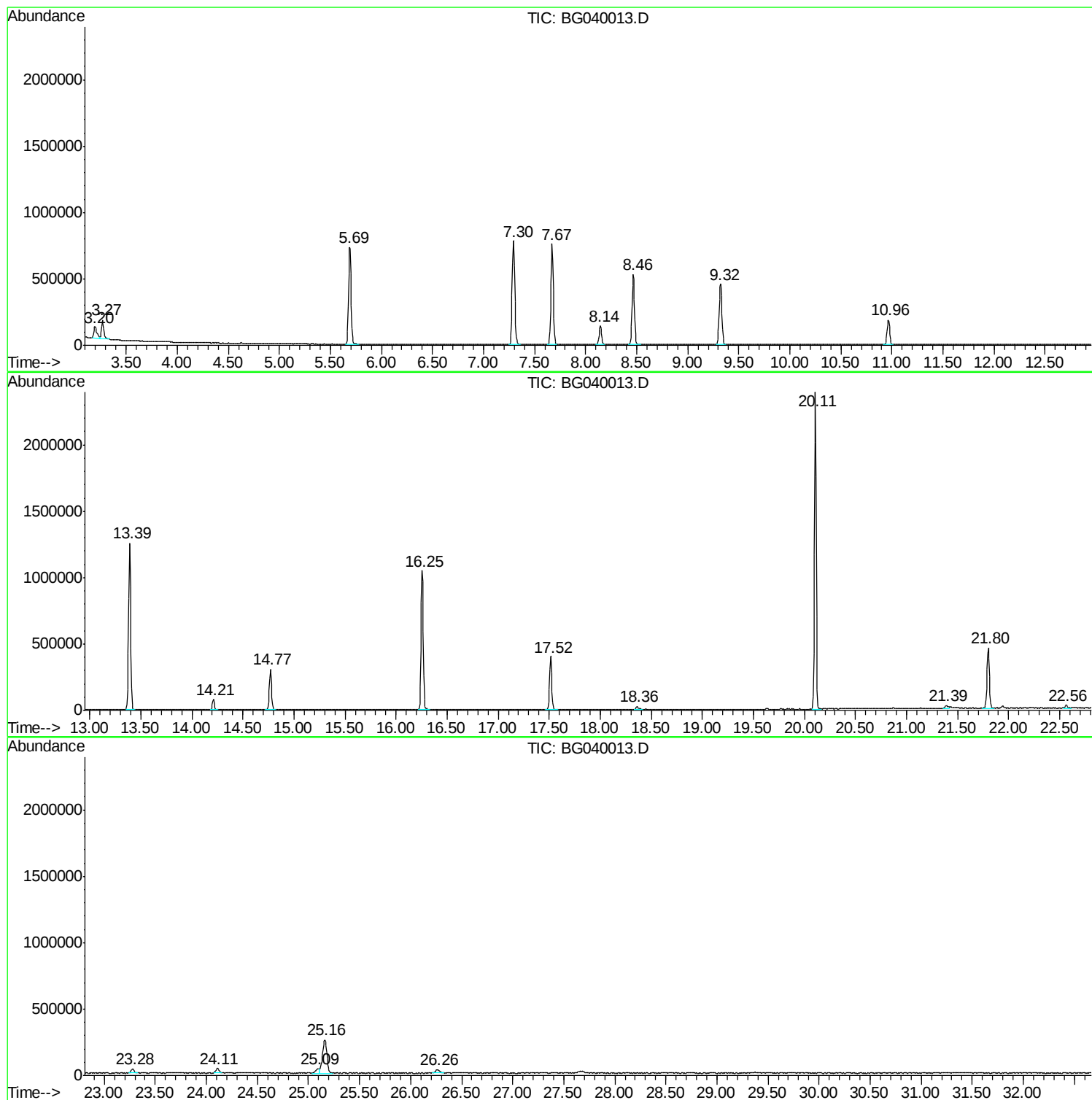
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BNA\_G  
ClientSampleId :  
TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.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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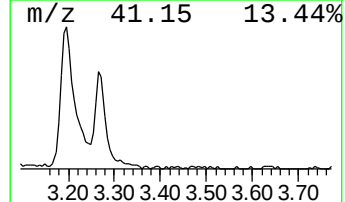
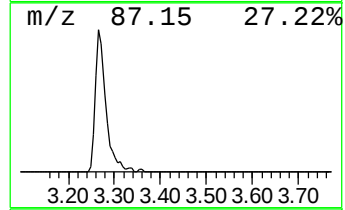
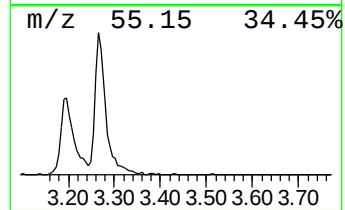
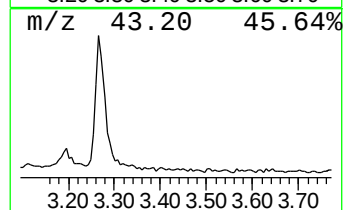
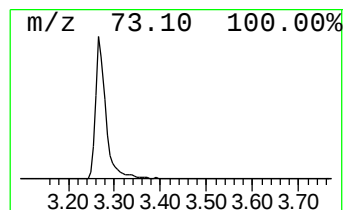
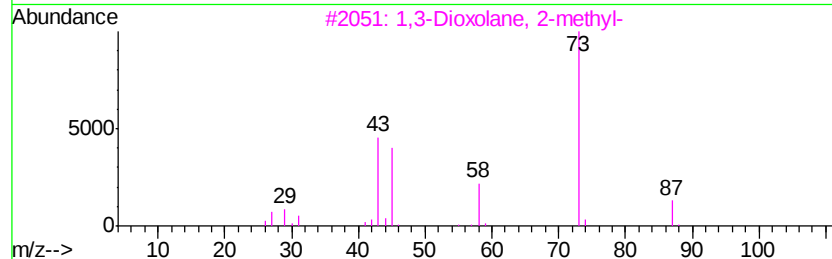
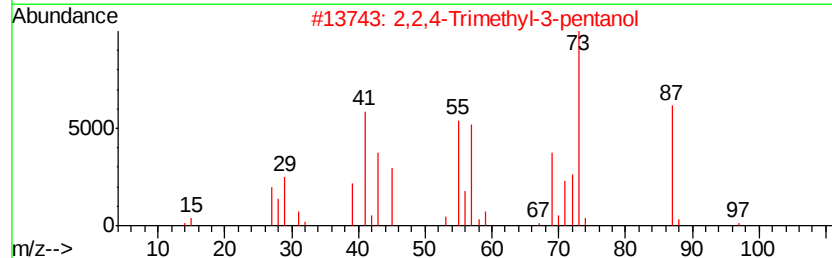
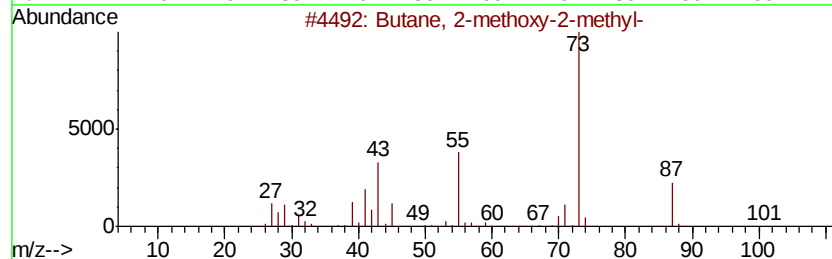
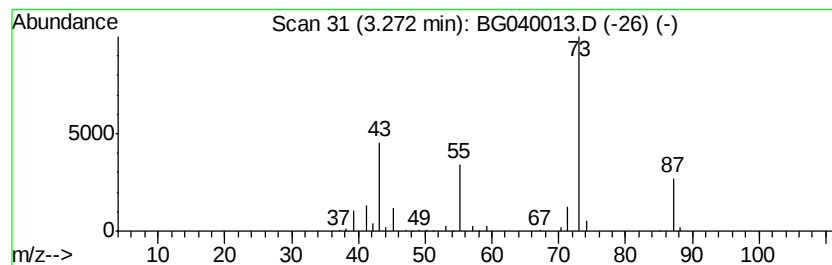
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.27 | 18.87 ng | 220653 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 38   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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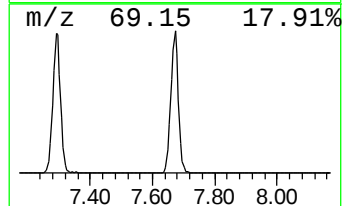
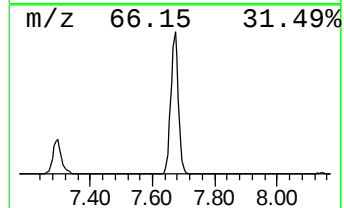
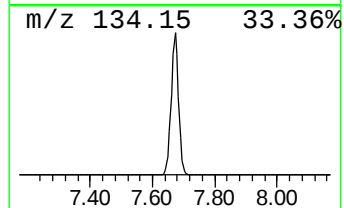
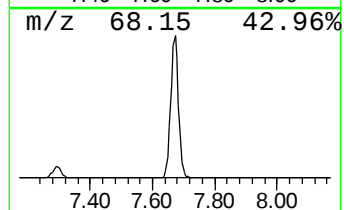
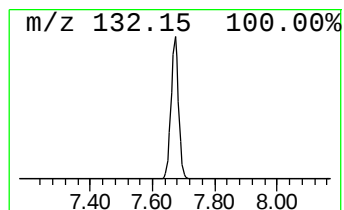
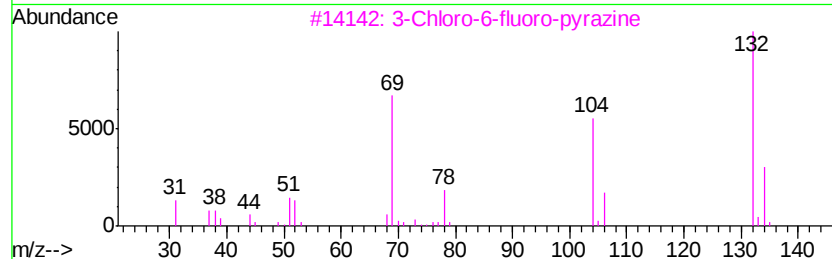
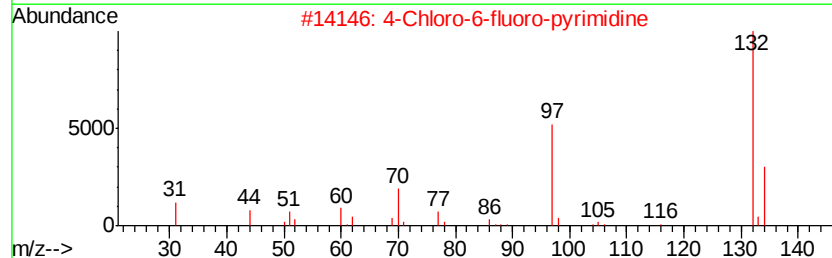
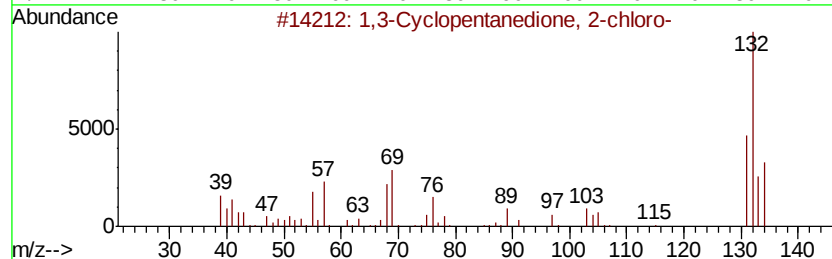
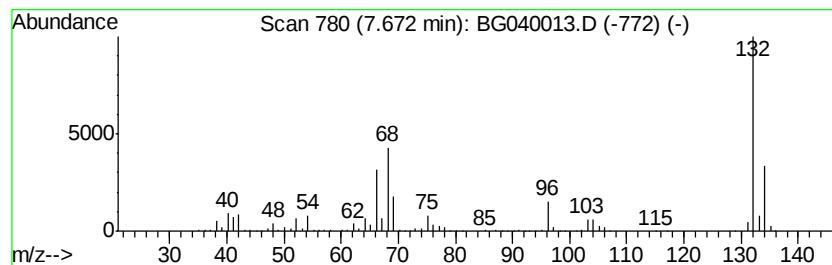
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.67 | 108.96 ng | 1274130 | 1,4-Dichlorobenzene-d4 | 8.14 |

| 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    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 10   |



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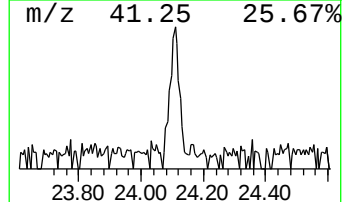
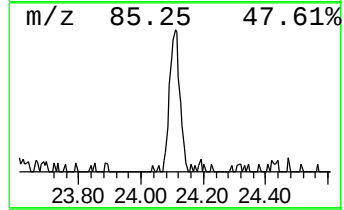
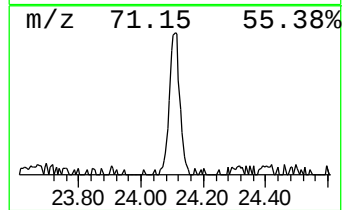
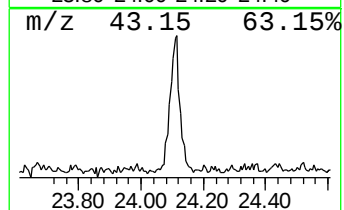
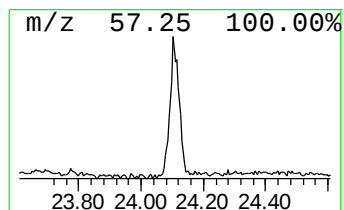
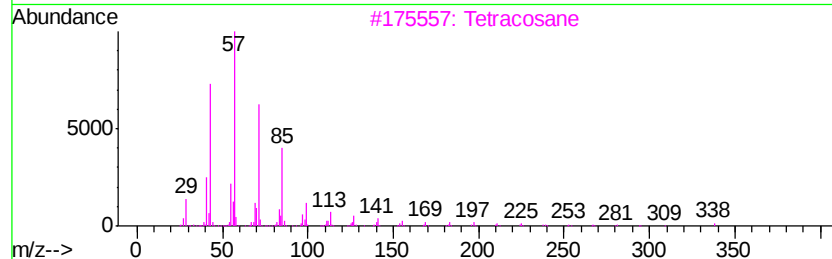
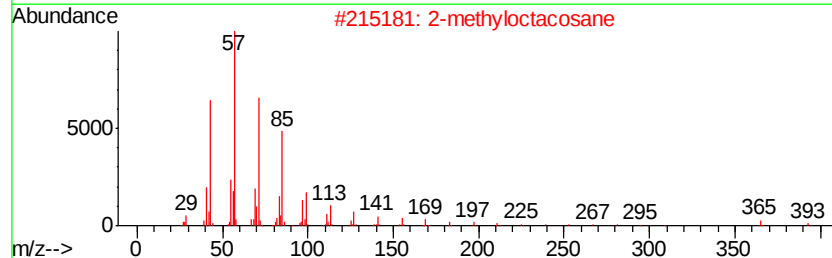
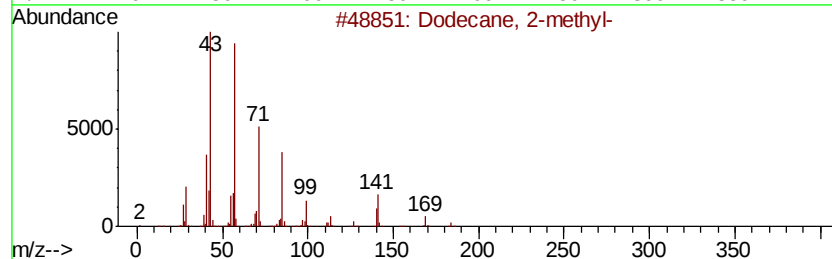
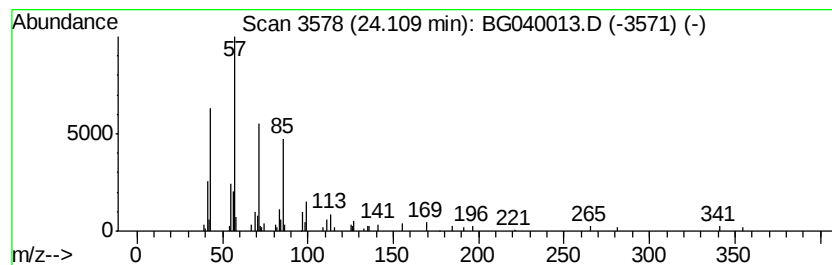
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 2-methyl- Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 24.11 | 2.03 ng | 75635 | Perylene-d12     | 25.15 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0  | 83   |
| 2    |    | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 83   |
| 3    |    | Tetracosane         | 338 | C24H50  | 000646-31-1  | 80   |
| 4    |    | Heneicosane         | 296 | C21H44  | 000629-94-7  | 74   |
| 5    |    | Octadecane          | 254 | C18H38  | 000593-45-3  | 72   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
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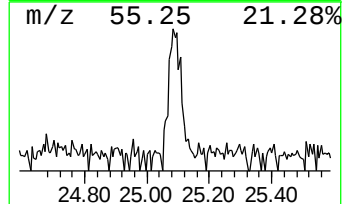
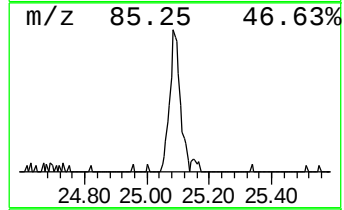
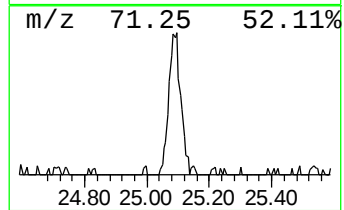
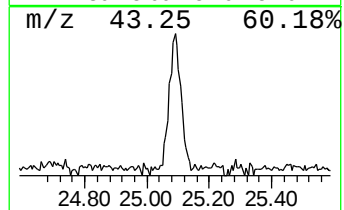
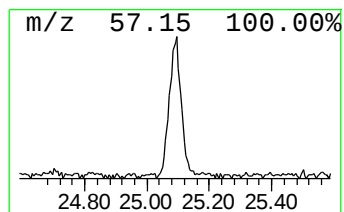
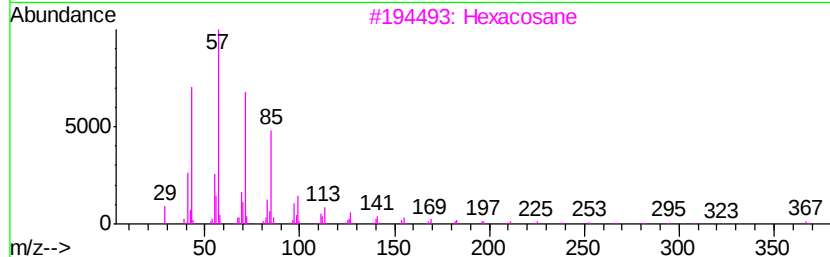
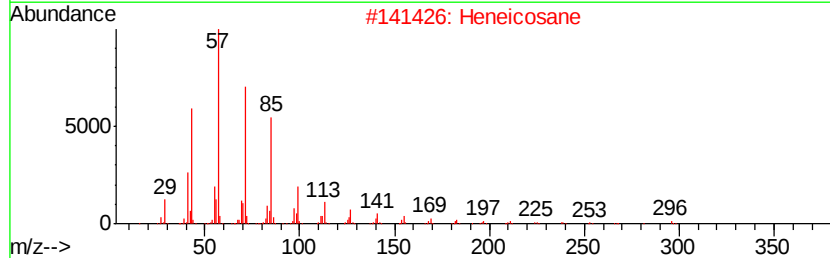
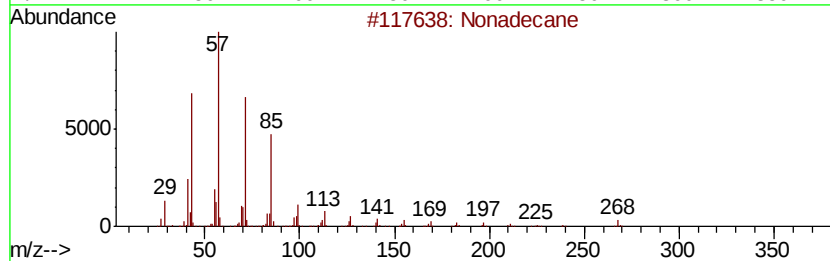
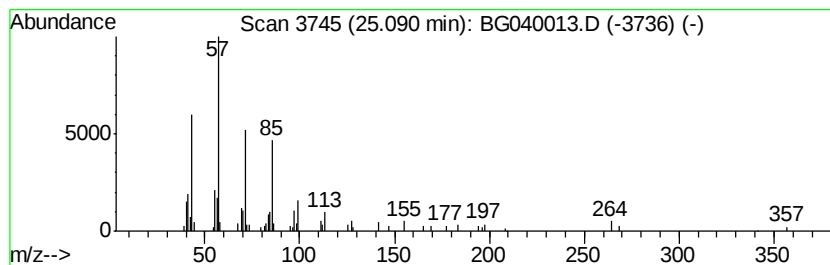
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Peak Number 6 Nonadecane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 25.09 | 2.30 ng | 85471 | Perylene-d12     | 25.15 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------|--------------|-----|---------|-------------|------|
| 1       | Nonadecane          |              | 268 | C19H40  | 000629-92-5 | 95   |
| 2       | Heneicosane         |              | 296 | C21H44  | 000629-94-7 | 90   |
| 3       | Hexacosane          |              | 366 | C26H54  | 000630-01-3 | 87   |
| 4       | Octadecane          |              | 254 | C18H38  | 000593-45-3 | 87   |
| 5       | 10-Methylnonadecane |              | 282 | C20H42  | 056862-62-5 | 87   |



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TIC Library : C:\Database\NIST11.L  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.27  | 18.9    | ng    | 220653   | 1                     | 8.14  | 233874 | 20.0 |
| unknown7.67          | 7.67  | 109.0   | ng    | 1274130  | 1                     | 8.14  | 233874 | 20.0 |
| Dodecane, 2-methyl-  | 24.11 | 2.0     | ng    | 75635    | 6                     | 25.15 | 744769 | 20.0 |
| Nonadecane           | 25.09 | 2.3     | ng    | 85471    | 6                     | 25.15 | 744769 | 20.0 |