

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\  
 Data File : BG044473.D  
 Acq On : 18 Feb 2020 15:23  
 Operator : CG/JU  
 Sample : L1545-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 43ST-B

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-BG013020.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         | 4.991       | 318           | 324         | 331          | rBV      | 47373          | 71440         | 2.17%           | 0.311%        |
| 2         | 5.473       | 398           | 406         | 423          | rBV      | 834355         | 1410008       | 42.87%          | 6.130%        |
| 3         | 7.065       | 668           | 677         | 693          | rBV      | 875622         | 1548292       | 47.07%          | 6.732%        |
| 4         | 7.894       | 811           | 818         | 826          | rBV      | 216618         | 377347        | 11.47%          | 1.641%        |
| 5         | 8.217       | 865           | 873         | 882          | rBV      | 678266         | 1204357       | 36.61%          | 5.236%        |
| 6         | 9.045       | 1006          | 1014        | 1022         | rBV      | 504241         | 933142        | 28.37%          | 4.057%        |
| 7         | 10.691      | 1287          | 1294        | 1307         | rBV      | 295188         | 546466        | 16.61%          | 2.376%        |
| 8         | 13.152      | 1704          | 1713        | 1727         | rBV      | 1375804        | 2201187       | 66.92%          | 9.570%        |
| 9         | 13.434      | 1754          | 1761        | 1770         | rBV      | 115627         | 183905        | 5.59%           | 0.800%        |
| 10        | 13.981      | 1848          | 1854        | 1860         | rBV      | 61544          | 95213         | 2.89%           | 0.414%        |
| 11        | 14.533      | 1941          | 1948        | 1955         | rBV      | 513454         | 818319        | 24.88%          | 3.558%        |
| 12        | 16.020      | 2194          | 2201        | 2220         | rBV      | 1191523        | 1910404       | 58.08%          | 8.306%        |
| 13        | 17.277      | 2409          | 2415        | 2419         | rBV      | 664872         | 1031710       | 31.37%          | 4.486%        |
| 14        | 17.318      | 2419          | 2422        | 2428         | rVB      | 163431         | 229632        | 6.98%           | 0.998%        |
| 15        | 17.406      | 2433          | 2437        | 2442         | rVB      | 43741          | 68446         | 2.08%           | 0.298%        |
| 16        | 17.665      | 2476          | 2481        | 2487         | rBV5     | 37374          | 78999         | 2.40%           | 0.343%        |
| 17        | 18.152      | 2560          | 2564        | 2568         | rBV      | 31206          | 47615         | 1.45%           | 0.207%        |
| 18        | 18.199      | 2568          | 2572        | 2577         | rVB      | 41331          | 55872         | 1.70%           | 0.243%        |
| 19        | 18.346      | 2591          | 2597        | 2601         | rBV4     | 48608          | 100222        | 3.05%           | 0.436%        |
| 20        | 19.110      | 2724          | 2727        | 2733         | rVV7     | 20798          | 38696         | 1.18%           | 0.168%        |
| 21        | 19.210      | 2740          | 2744        | 2750         | rBV2     | 25438          | 43723         | 1.33%           | 0.190%        |
| 22        | 19.327      | 2759          | 2764        | 2770         | rBV      | 441277         | 618728        | 18.81%          | 2.690%        |
| 23        | 19.692      | 2817          | 2826        | 2835         | rBV      | 451396         | 768027        | 23.35%          | 3.339%        |
| 24        | 19.892      | 2854          | 2860        | 2865         | rBV      | 2432065        | 3289320       | 100.00%         | 14.301%       |
| 25        | 21.190      | 3077          | 3081        | 3089         | rVB4     | 257738         | 407454        | 12.39%          | 1.771%        |
| 26        | 21.519      | 3129          | 3137        | 3142         | rBV2     | 751081         | 1548771       | 47.08%          | 6.734%        |
| 27        | 21.560      | 3142          | 3144        | 3157         | rVB      | 196589         | 329356        | 10.01%          | 1.432%        |
| 28        | 21.725      | 3168          | 3172        | 3176         | rVB3     | 111155         | 162512        | 4.94%           | 0.707%        |
| 29        | 22.306      | 3267          | 3271        | 3279         | rVB3     | 133430         | 224259        | 6.82%           | 0.975%        |
| 30        | 22.970      | 3381          | 3384        | 3390         | rVB      | 145827         | 240187        | 7.30%           | 1.044%        |
| 31        | 23.628      | 3490          | 3496        | 3503         | rBV2     | 175215         | 498014        | 15.14%          | 2.165%        |
| 32        | 23.746      | 3511          | 3516        | 3523         | rVB      | 149694         | 278990        | 8.48%           | 1.213%        |
| 33        | 24.604      | 3654          | 3662        | 3688         | rVB3     | 438004         | 1640035       | 49.86%          | 7.130%        |

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Instrument :  
BNA\_G  
ClientSampleId :  
43ST-B

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG013020.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

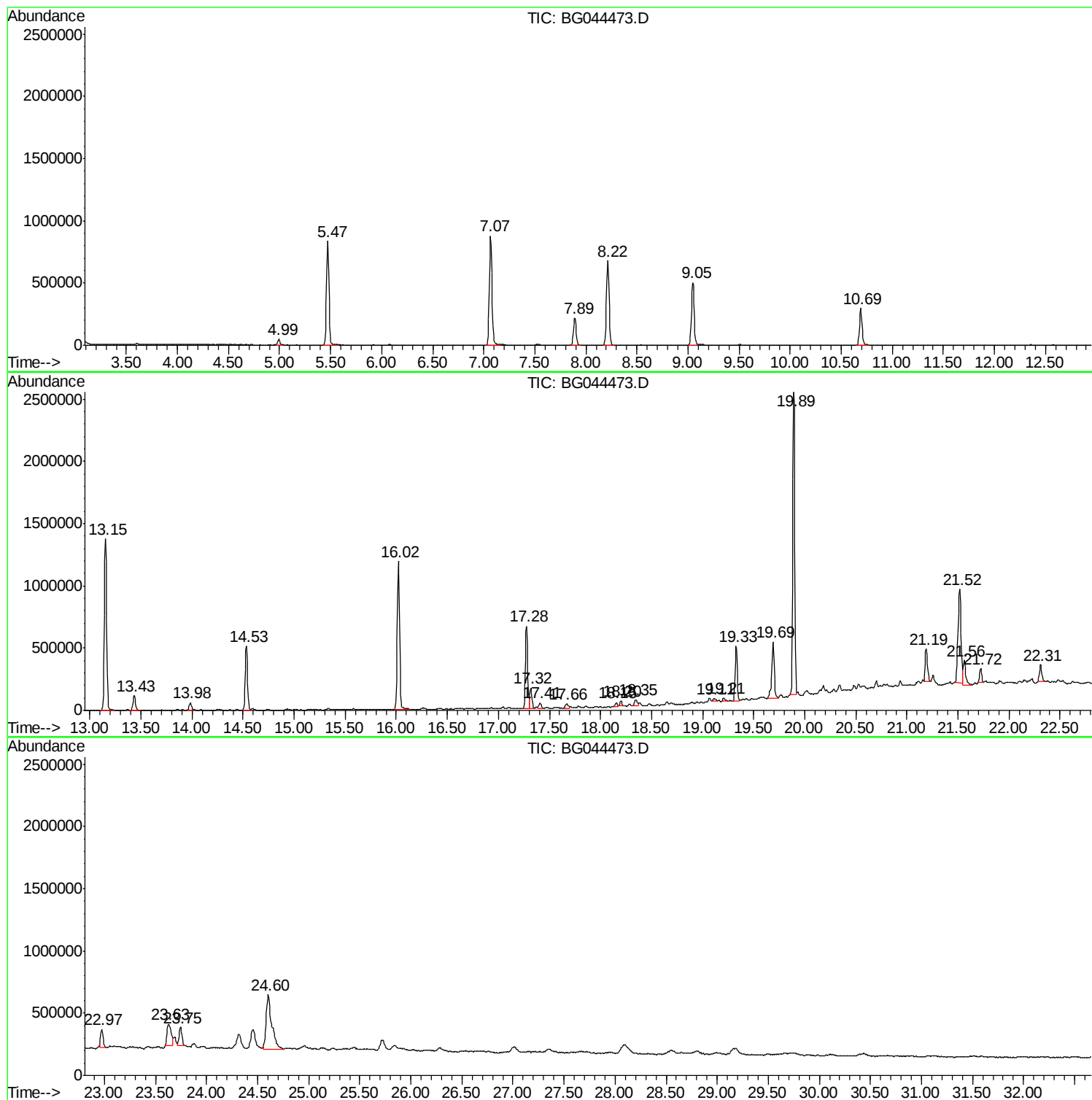
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
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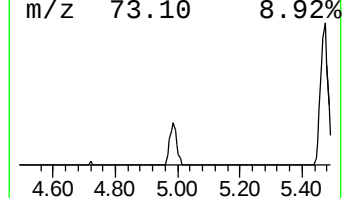
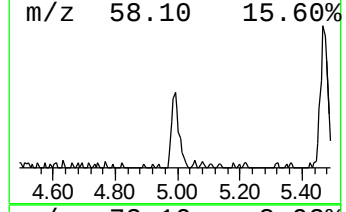
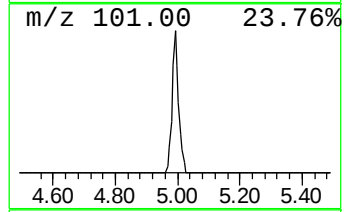
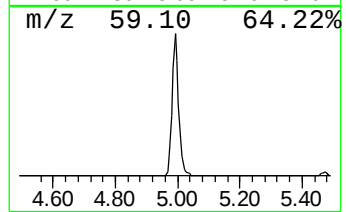
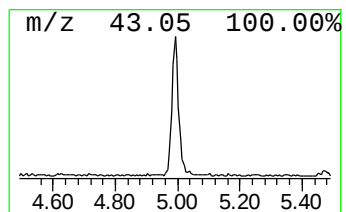
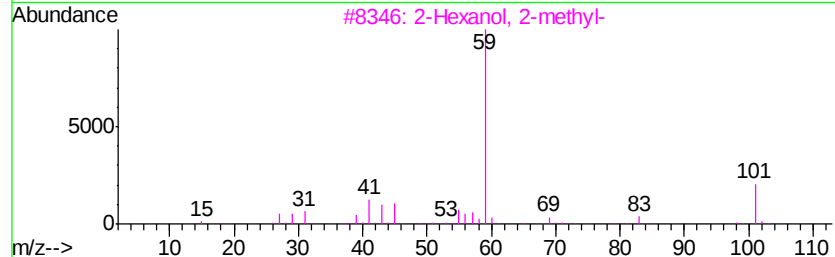
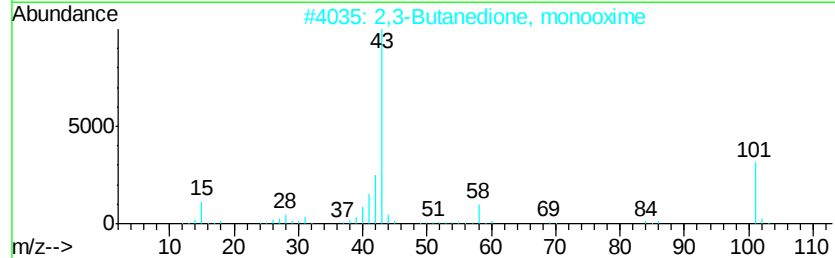
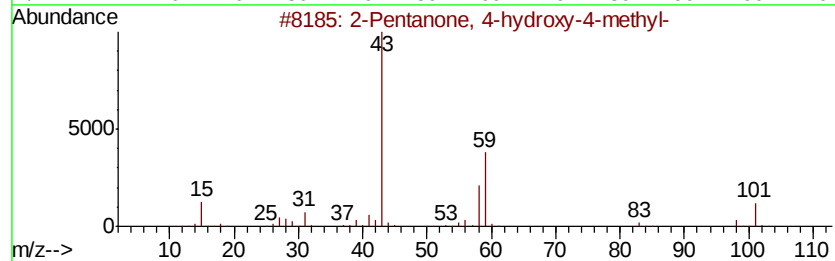
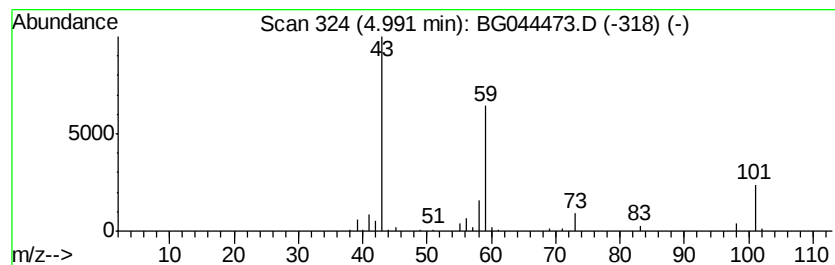
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.99 | 3.79 ng | 71440 | 1,4-Dichlorobenzene-d4 | 7.89 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 3    |    |   | 2-Hexanol, 2-methyl-             | 116 | C7H16O  | 000625-23-0 | 25   |
| 4    |    |   | Hexanamide                       | 115 | C6H13NO | 000628-02-4 | 17   |
| 5    |    |   | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 17   |



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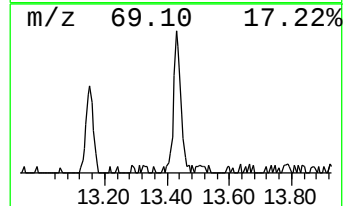
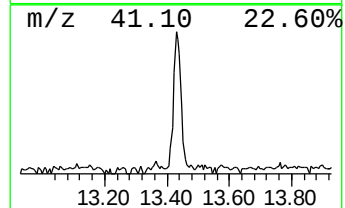
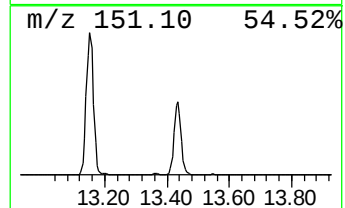
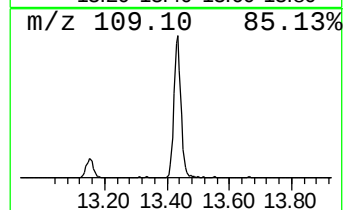
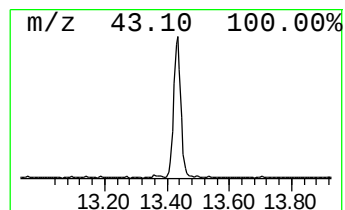
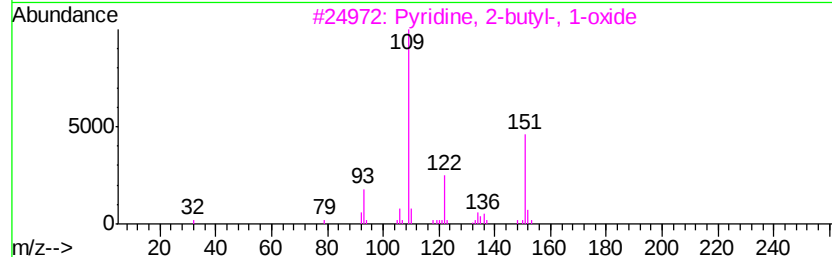
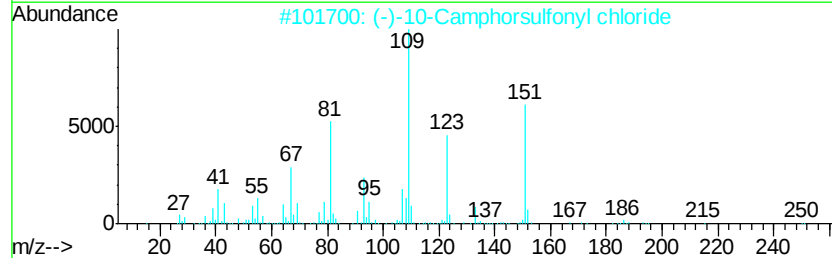
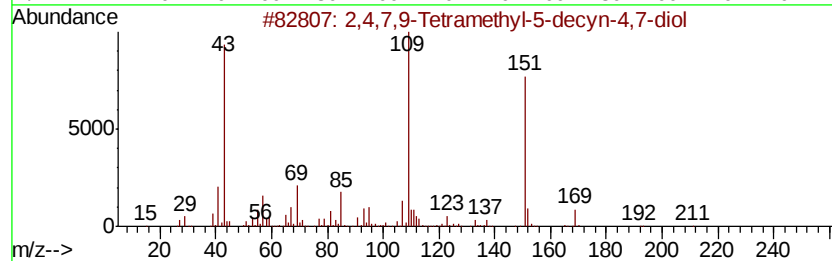
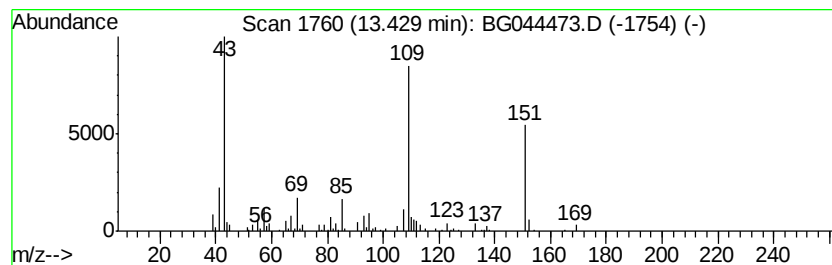
Instrument :  
BNA\_G  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.43     | 4.49 ng                             | 183905 | Acenaphthene-d10 | 14.53       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226    | C14H26O2         | 000126-86-3 | 91   |
| 2         | (-)-10-Camphorsulfonyl chloride     | 250    | C10H15ClO3S      | 039262-22-1 | 72   |
| 3         | Pvridine, 2-butyl-, 1-oxide         | 151    | C9H13NO          | 031396-32-4 | 59   |
| 4         | Acetaminophen                       | 151    | C8H9NO2          | 000103-90-2 | 59   |
| 5         | p-Isopropoxyaniline                 | 151    | C9H13NO          | 007664-66-6 | 59   |



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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
43ST-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

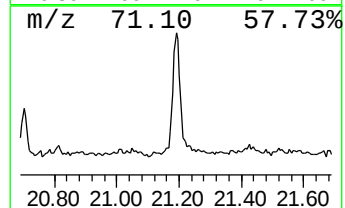
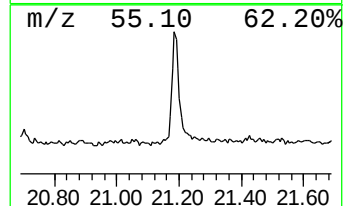
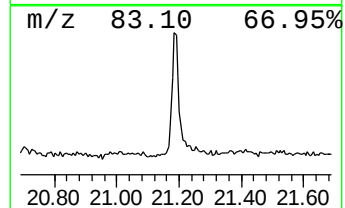
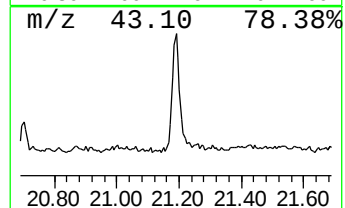
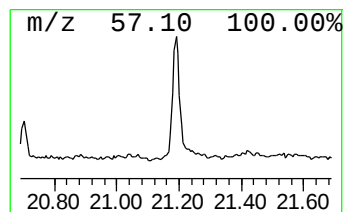
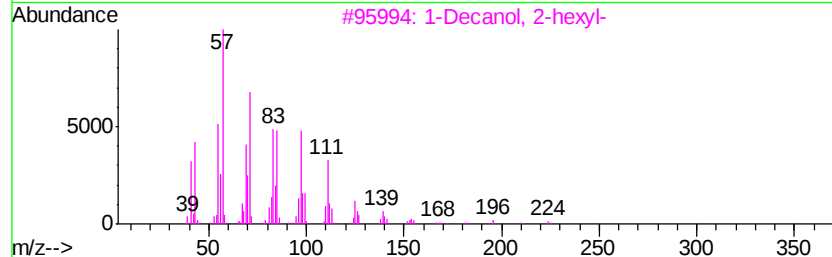
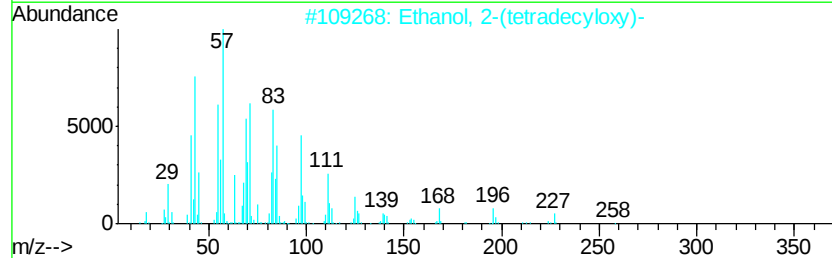
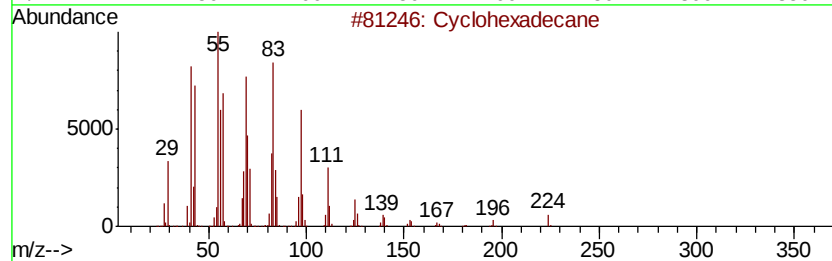
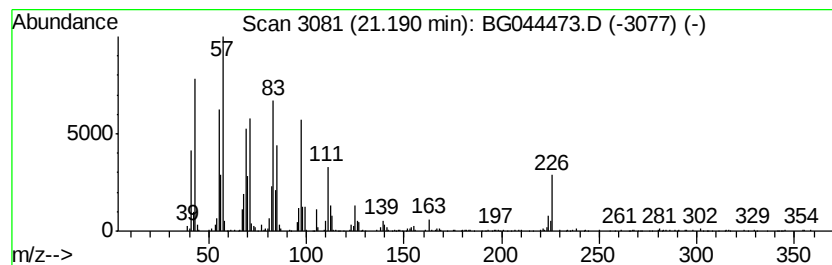
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexadecane Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.19 | 5.26 ng | 407454 | Chrysene-d12     | 21.52 |

| Hit# | of | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|------|----|---------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexadecane                 | 224 | C16H32     | 000295-65-8  | 98   |
| 2    |    | Ethanol, 2-(tetradecyloxy)-     | 258 | C16H34O2   | 002136-70-1  | 90   |
| 3    |    | 1-Decanol, 2-hexyl-             | 242 | C16H34O    | 002425-77-6  | 87   |
| 4    |    | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 81   |
| 5    |    | 1-Dodecanol, 2-hexyl-           | 270 | C18H38O    | 110225-00-8  | 76   |



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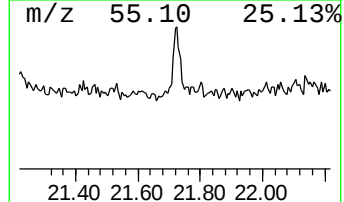
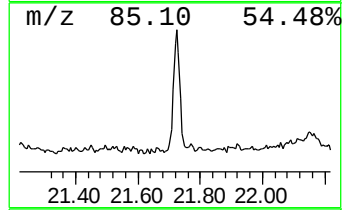
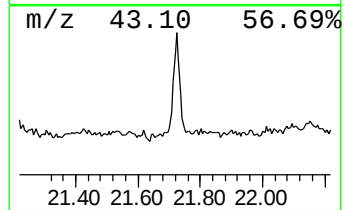
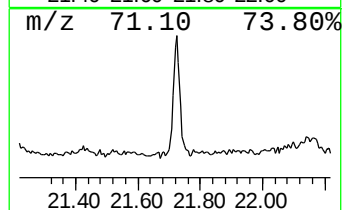
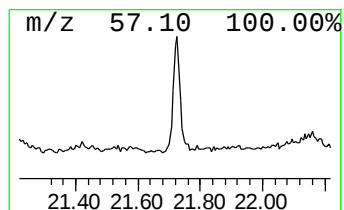
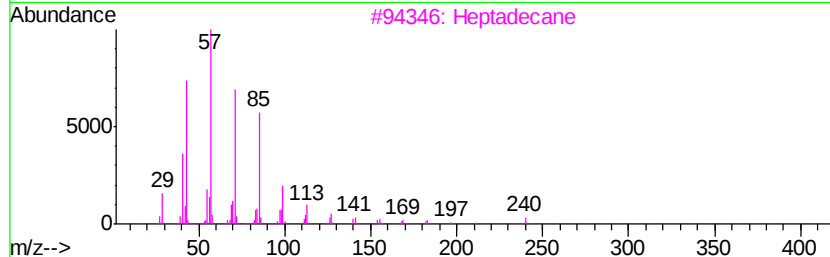
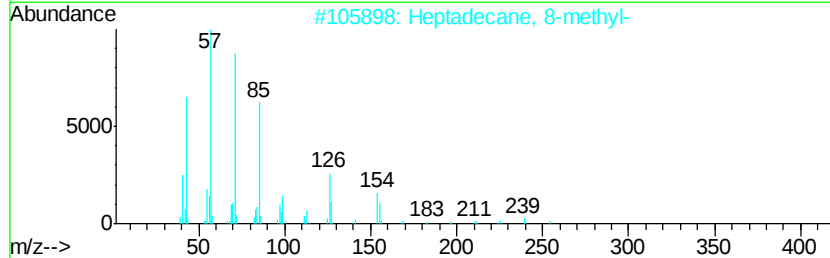
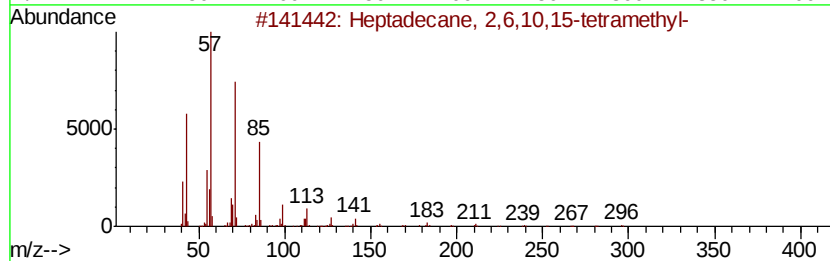
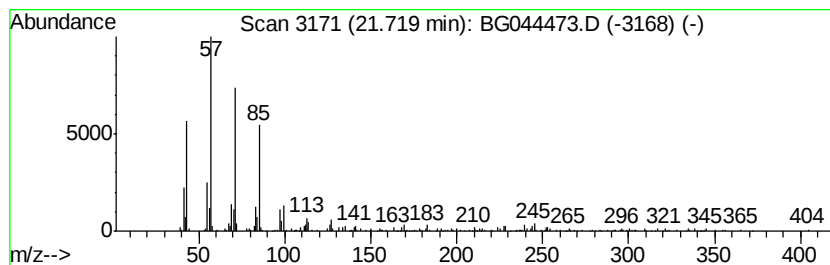
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.72 | 2.10 ng | 162512 | Chrysene-d12     | 21.52 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 93   |
| 2    |    | Heptadecane, 8-methyl-              | 254 | C18H38  | 013287-23-5 | 91   |
| 3    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 87   |
| 4    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 5    |    | Hexacosane                          | 366 | C26H54  | 000630-01-3 | 86   |



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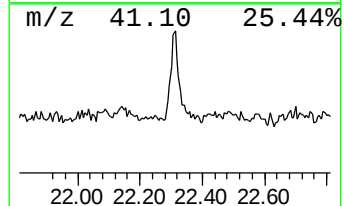
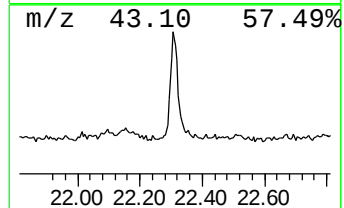
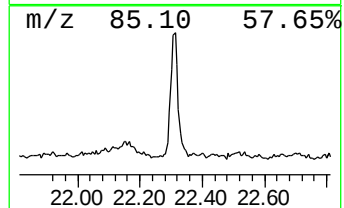
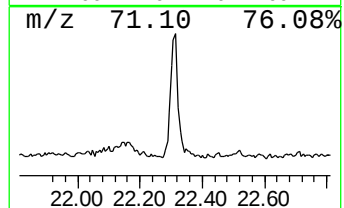
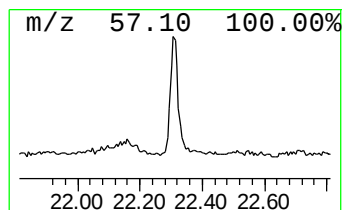
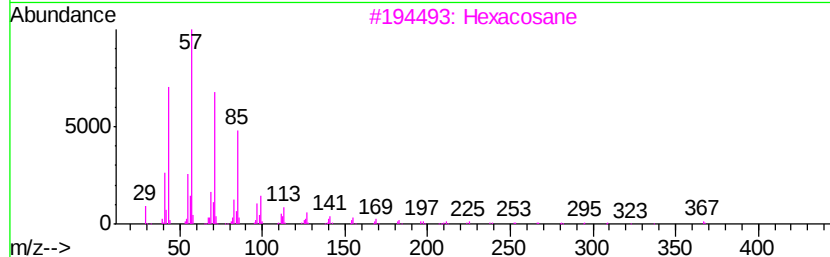
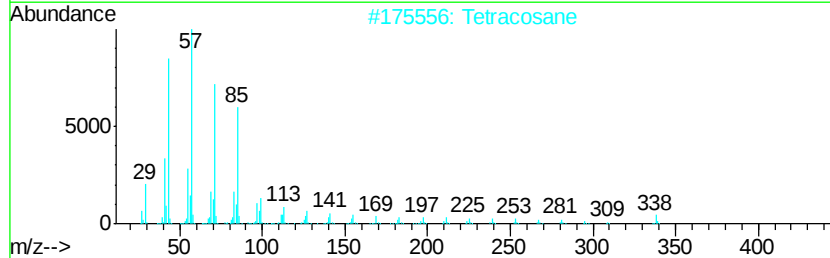
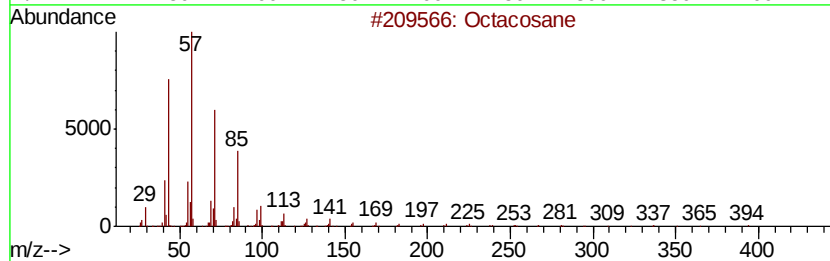
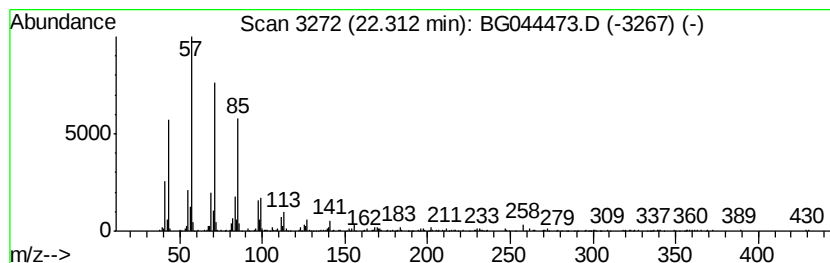
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.31 | 2.90 ng | 224259 | Chrysene-d12     | 21.52 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane           | 394 | C28H58  | 000630-02-4 | 93   |
| 2    |    | Tetracosane          | 338 | C24H50  | 000646-31-1 | 93   |
| 3    |    | Hexacosane           | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 90   |
| 5    |    | Heneicosane          | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\  
Data File : BG044473.D  
Acq On : 18 Feb 2020 15:23  
Operator : CG/JU  
Sample : L1545-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
43ST-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

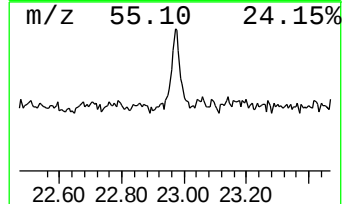
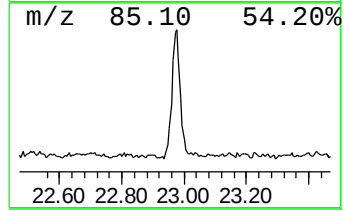
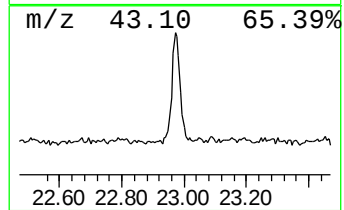
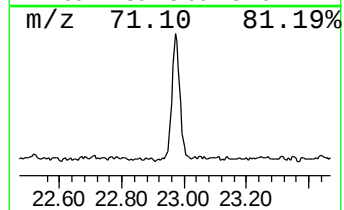
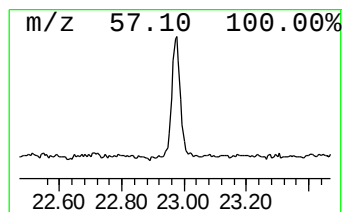
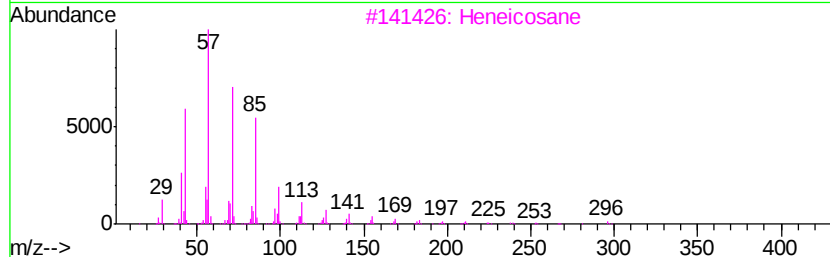
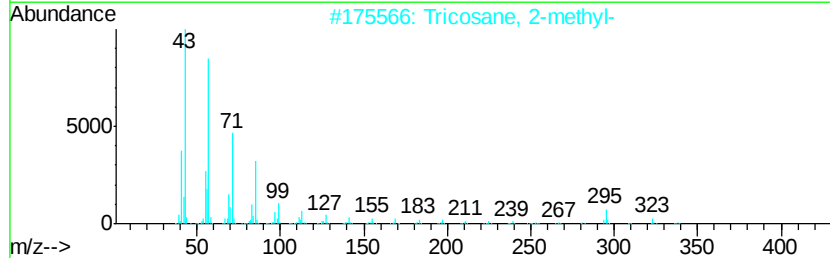
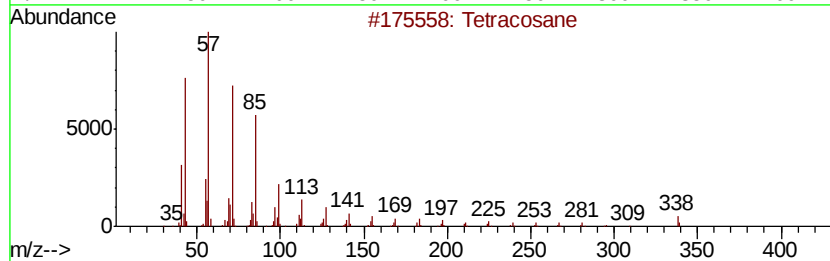
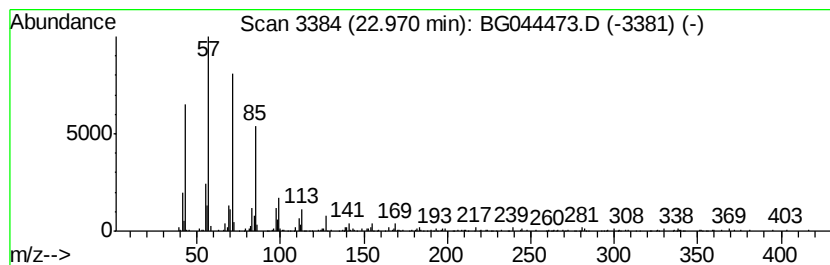
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tetracosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.97 | 3.10 ng | 240187 | Chrysene-d12     | 21.52 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane          | 338 | C24H50  | 000646-31-1 | 94   |
| 2    |    | Tricosane, 2-methyl- | 338 | C24H50  | 001928-30-9 | 94   |
| 3    |    | Heneicosane          | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Heptadecane          | 240 | C17H36  | 000629-78-7 | 91   |
| 5    |    | Tetratetracontane    | 619 | C44H90  | 007098-22-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\  
Data File : BG044473.D  
Acq On : 18 Feb 2020 15:23  
Operator : CG/JU  
Sample : L1545-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
43ST-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

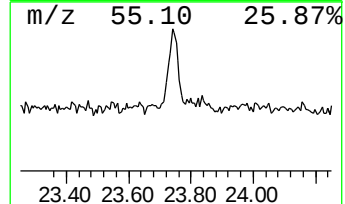
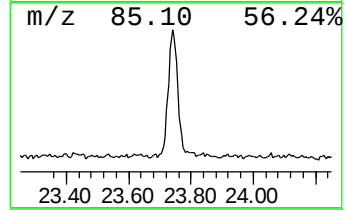
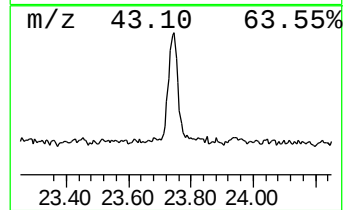
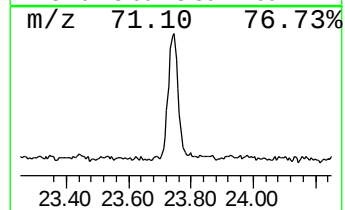
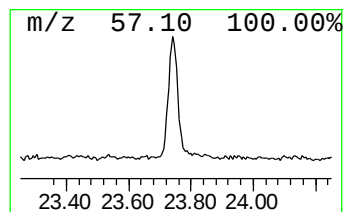
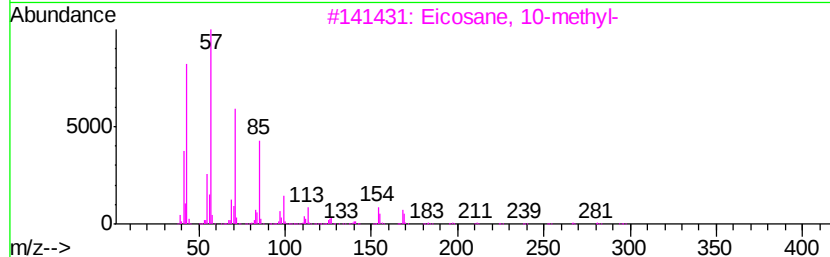
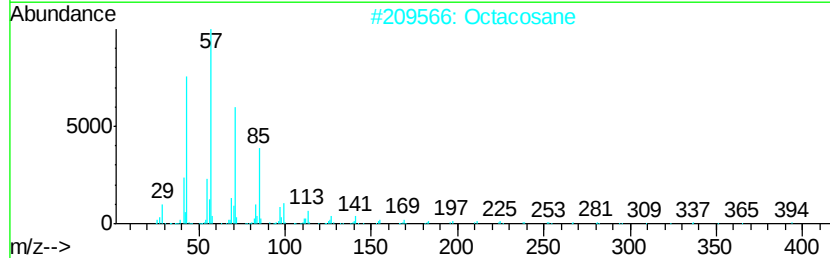
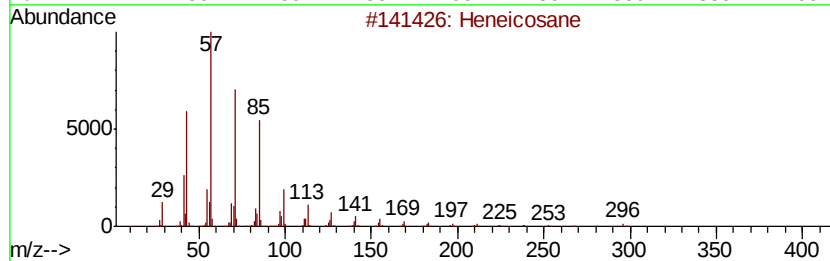
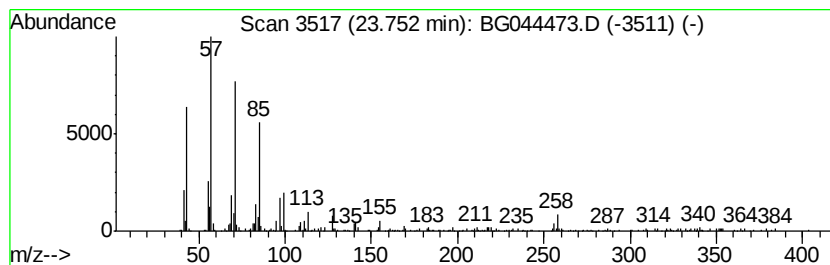
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heneicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.75 | 3.40 ng | 278990 | Perylene-d12     | 24.60 |

| Hit# of | 5                       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane             |              | 296 | C21H44  | 000629-94-7 | 96   |
| 2       | Octacosane              |              | 394 | C28H58  | 000630-02-4 | 95   |
| 3       | Eicosane, 10-methyl-    |              | 296 | C21H44  | 054833-23-7 | 93   |
| 4       | Pentadecane, 8-hexyl-   |              | 296 | C21H44  | 013475-75-7 | 91   |
| 5       | 1-Iodo-2-methylundecane |              | 296 | C12H25I | 073105-67-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG021820\  
Data File : BG044473.D  
Acq On : 18 Feb 2020 15:23  
Operator : CG/JU  
Sample : L1545-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
43ST-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.99  | 3.8     | ng    | 71440    | 1                     | 7.89  | 377347  | 20.0 |
| 2,4,7,9-Tetrameth... | 13.43 | 4.5     | ng    | 183905   | 3                     | 14.53 | 818319  | 20.0 |
| Cyclohexadecane      | 21.19 | 5.3     | ng    | 407454   | 5                     | 21.52 | 1548770 | 20.0 |
| Heptadecane, 2,6,... | 21.72 | 2.1     | ng    | 162512   | 5                     | 21.52 | 1548770 | 20.0 |
| Octacosane           | 22.31 | 2.9     | ng    | 224259   | 5                     | 21.52 | 1548770 | 20.0 |
| Tetracosane          | 22.97 | 3.1     | ng    | 240187   | 5                     | 21.52 | 1548770 | 20.0 |
| Heneicosane          | 23.75 | 3.4     | ng    | 278990   | 6                     | 24.60 | 1640040 | 20.0 |