

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
 Data File : BG023308.D  
 Acq On : 28 Jul 2016 15:46  
 Operator : UM/SJ  
 Sample : H4205-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-37-14.0-15.0

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:\HPCHEM1\BNA\_G\METHODS\8270-BG072616.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         | 3.005       | 22            | 28          | 45           | rVB      | 6253392        | 9955943       | 37.31%          | 6.878%        |
| 2         | 5.190       | 395           | 400         | 409          | rBV      | 476486         | 766427        | 2.87%           | 0.529%        |
| 3         | 5.672       | 474           | 482         | 494          | rBV      | 2626879        | 4267578       | 15.99%          | 2.948%        |
| 4         | 7.293       | 749           | 758         | 768          | rBV      | 2708057        | 4890161       | 18.32%          | 3.378%        |
| 5         | 7.663       | 813           | 821         | 831          | rBV      | 2630464        | 4626318       | 17.34%          | 3.196%        |
| 6         | 8.133       | 893           | 901         | 908          | rBV      | 623632         | 1084117       | 4.06%           | 0.749%        |
| 7         | 8.462       | 950           | 957         | 964          | rVB      | 1836102        | 3255019       | 12.20%          | 2.249%        |
| 8         | 9.314       | 1094          | 1102        | 1110         | rBV      | 1677496        | 3023672       | 11.33%          | 2.089%        |
| 9         | 10.976      | 1378          | 1385        | 1394         | rBV      | 943592         | 1741994       | 6.53%           | 1.203%        |
| 10        | 11.910      | 1537          | 1544        | 1552         | rBV2     | 155987         | 302107        | 1.13%           | 0.209%        |
| 11        | 13.420      | 1794          | 1801        | 1810         | rBV      | 4507225        | 7261317       | 27.21%          | 5.017%        |
| 12        | 14.248      | 1936          | 1942        | 1948         | rBV      | 1299182        | 1909219       | 7.15%           | 1.319%        |
| 13        | 14.806      | 2030          | 2037        | 2046         | rVB2     | 1630858        | 2682141       | 10.05%          | 1.853%        |
| 14        | 16.304      | 2280          | 2292        | 2304         | rBV      | 4243991        | 6540213       | 24.51%          | 4.518%        |
| 15        | 16.780      | 2365          | 2373        | 2383         | rBV3     | 109599         | 376395        | 1.41%           | 0.260%        |
| 16        | 16.927      | 2394          | 2398        | 2406         | rVV5     | 121247         | 275644        | 1.03%           | 0.190%        |
| 17        | 17.573      | 2501          | 2508        | 2514         | rBV      | 2204146        | 3472940       | 13.01%          | 2.399%        |
| 18        | 18.448      | 2647          | 2657        | 2667         | rBV      | 5893868        | 9618797       | 36.04%          | 6.645%        |
| 19        | 19.594      | 2844          | 2852        | 2864         | rBV2     | 416834         | 948911        | 3.56%           | 0.656%        |
| 20        | 19.711      | 2867          | 2872        | 2886         | rBV      | 2275335        | 3791436       | 14.21%          | 2.619%        |
| 21        | 19.929      | 2906          | 2909        | 2913         | rVB      | 259131         | 291159        | 1.09%           | 0.201%        |
| 22        | 20.181      | 2946          | 2952        | 2958         | rVB      | 7255919        | 9773061       | 36.62%          | 6.752%        |
| 23        | 20.463      | 2996          | 3000        | 3004         | rBV      | 475140         | 521513        | 1.95%           | 0.360%        |
| 24        | 20.968      | 3081          | 3086        | 3090         | rBV      | 476920         | 578536        | 2.17%           | 0.400%        |
| 25        | 21.156      | 3113          | 3118        | 3125         | rVB      | 236524         | 329652        | 1.24%           | 0.228%        |
| 26        | 21.462      | 3162          | 3170        | 3177         | rBV      | 3843206        | 9038462       | 33.87%          | 6.244%        |
| 27        | 21.538      | 3177          | 3183        | 3188         | rVV      | 4856365        | 9843433       | 36.89%          | 6.800%        |
| 28        | 21.609      | 3188          | 3195        | 3202         | rVV      | 12682839       | 26685800      | 100.00%         | 18.436%       |
| 29        | 21.679      | 3202          | 3207        | 3216         | rVB      | 1407760        | 2154919       | 8.08%           | 1.489%        |
| 30        | 21.855      | 3232          | 3237        | 3238         | rBV3     | 234548         | 313213        | 1.17%           | 0.216%        |
| 31        | 21.897      | 3238          | 3244        | 3253         | rVB      | 2223440        | 3872083       | 14.51%          | 2.675%        |
| 32        | 22.067      | 3265          | 3273        | 3279         | rVB      | 556961         | 911856        | 3.42%           | 0.630%        |
| 33        | 22.637      | 3365          | 3370        | 3376         | rBV2     | 200820         | 347038        | 1.30%           | 0.240%        |
| 34        | 22.707      | 3376          | 3382        | 3389         | rVB      | 496380         | 837197        | 3.14%           | 0.578%        |

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Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

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-BG072616.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 23.436 | 3500 | 3506 | 3518 | rVB  | 349172  | 734586  | 2.75%  | 0.507% |
| 36 | 23.553 | 3520 | 3526 | 3534 | rBV4 | 188031  | 400802  | 1.50%  | 0.277% |
| 37 | 24.293 | 3644 | 3652 | 3659 | rBV  | 307314  | 668863  | 2.51%  | 0.462% |
| 38 | 24.658 | 3706 | 3714 | 3724 | rVB6 | 157593  | 423508  | 1.59%  | 0.293% |
| 39 | 25.298 | 3812 | 3823 | 3835 | rBV3 | 1439535 | 4292323 | 16.08% | 2.965% |
| 40 | 26.009 | 3937 | 3944 | 3958 | rVB4 | 166114  | 552332  | 2.07%  | 0.382% |
| 41 | 26.502 | 4022 | 4028 | 4037 | rVB6 | 132902  | 417417  | 1.56%  | 0.288% |
| 42 | 26.931 | 4093 | 4101 | 4114 | rVB6 | 208173  | 696075  | 2.61%  | 0.481% |
| 43 | 27.941 | 4264 | 4273 | 4282 | rBV7 | 76927   | 272236  | 1.02%  | 0.188% |

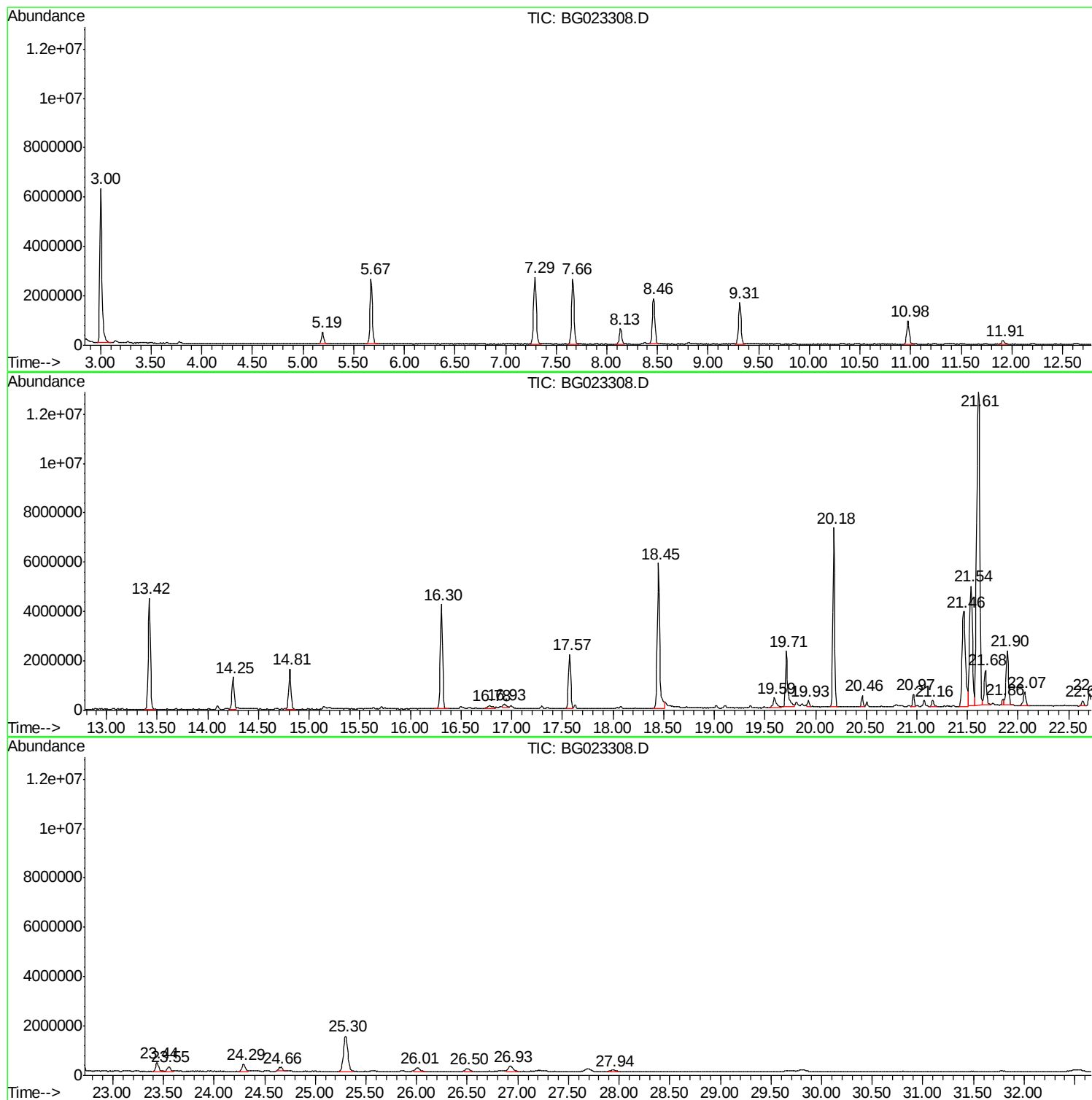
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

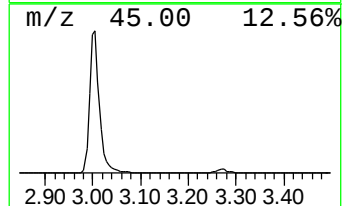
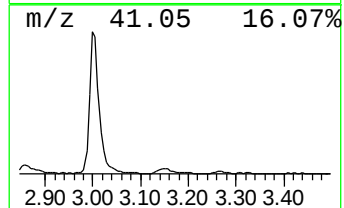
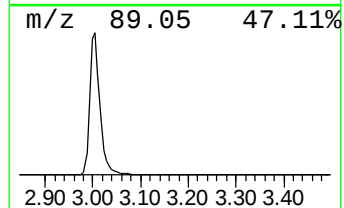
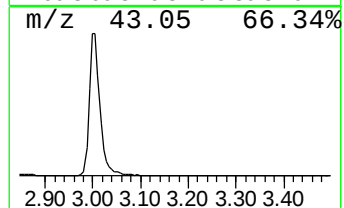
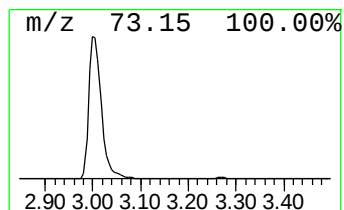
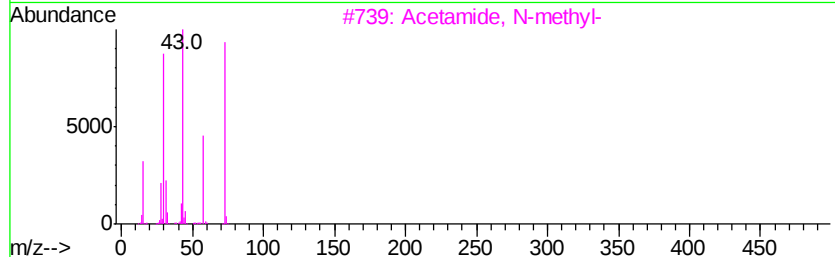
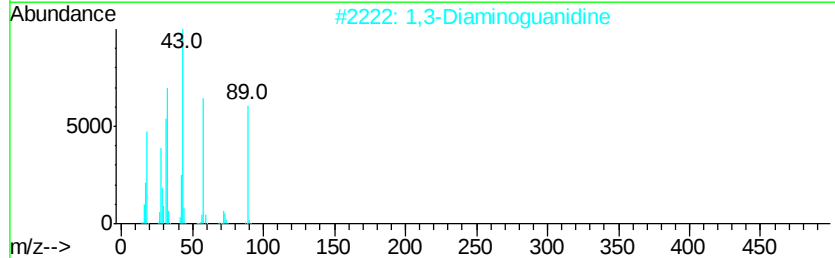
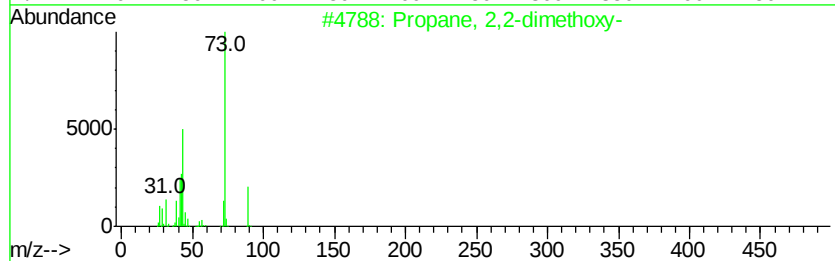
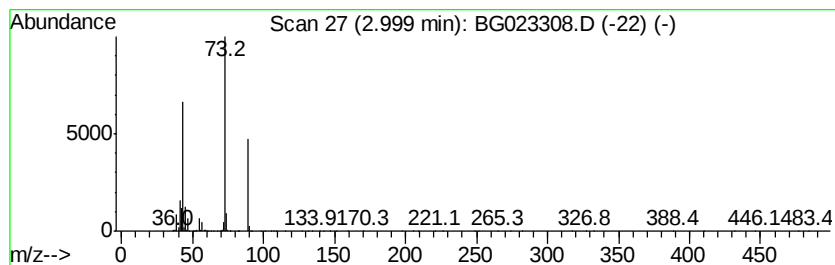
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown3.00 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.00 | 183.67 ng | 9955940 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-       | 104 | C5H12O2 | 000077-76-9 | 28   |
| 2    |    | 1,3-Diaminoguanidine          | 89  | CH7N5   | 004364-78-7 | 9    |
| 3    |    | Acetamide, N-methyl-          | 73  | C3H7NO  | 000079-16-3 | 9    |
| 4    |    | 1-Hepten-4-ol                 | 114 | C7H14O  | 003521-91-3 | 9    |
| 5    |    | 1-Propanol, 2-methyl-2-nitro- | 119 | C4H9NO3 | 000076-39-1 | 9    |



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Misc :  
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Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

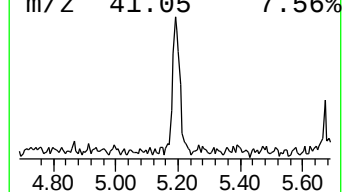
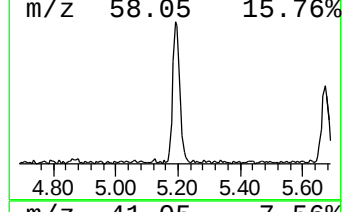
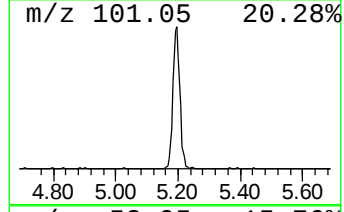
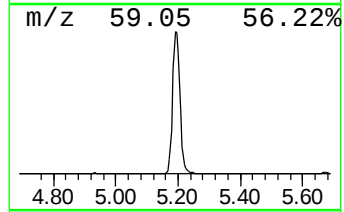
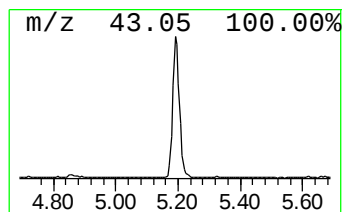
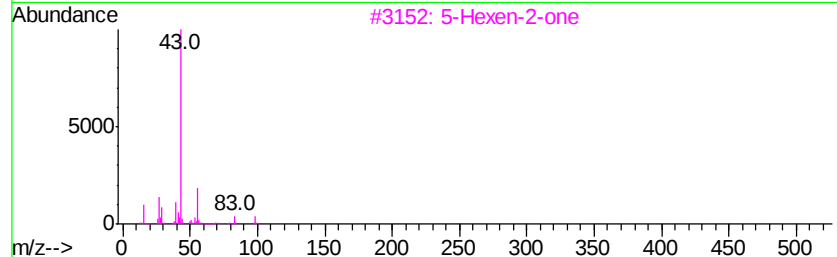
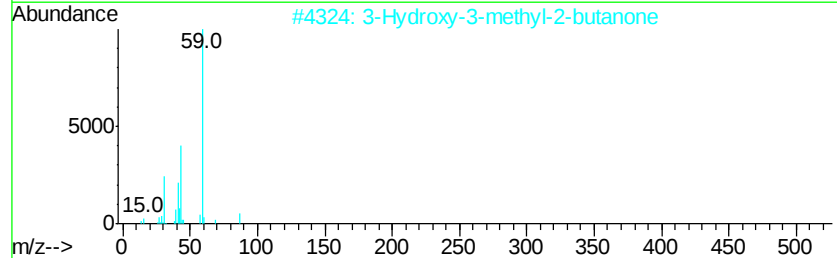
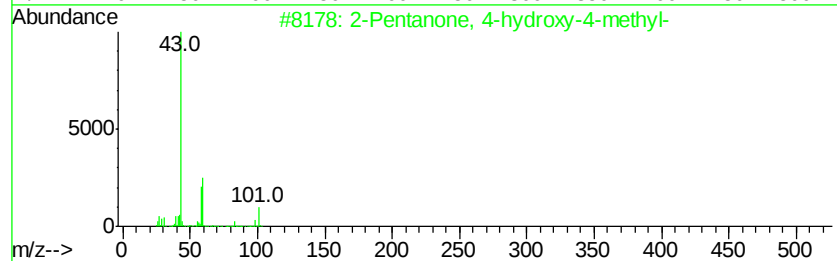
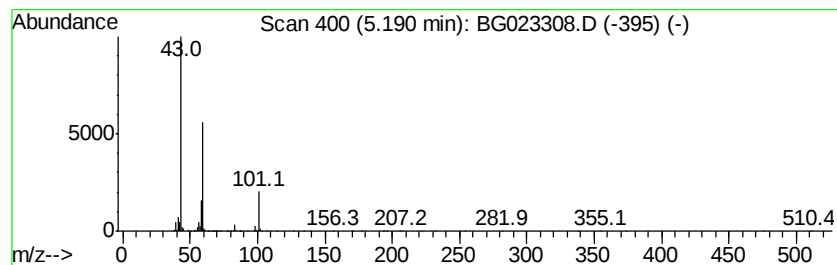
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.19 | 14.14 ng | 766427 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 72   |
| 2    |    | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2 | 000115-22-0 | 17   |
| 3    |    | 5-Hexen-2-one                       | 98  | C6H10O  | 000109-49-9 | 9    |
| 4    |    | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |
| 5    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9    |



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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

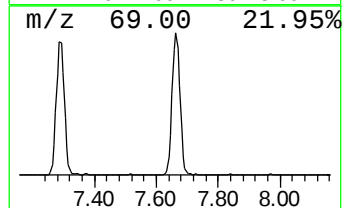
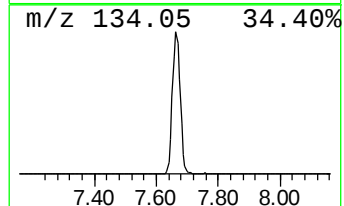
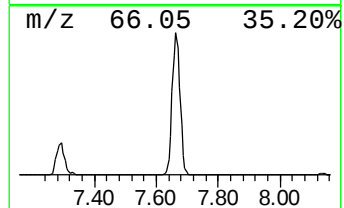
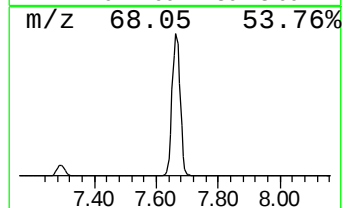
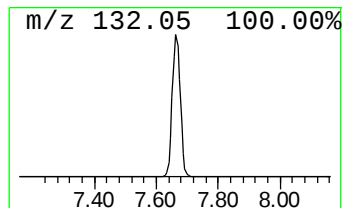
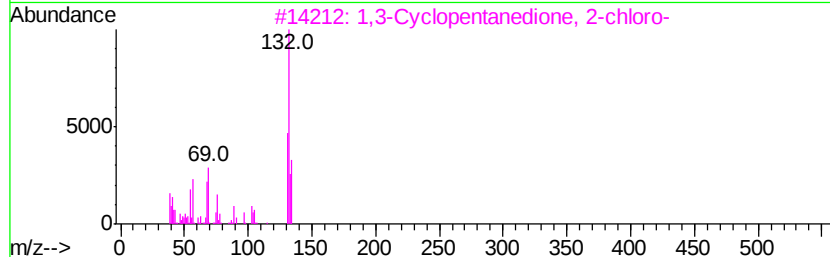
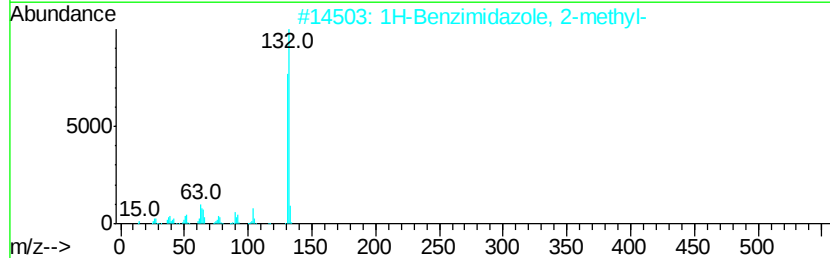
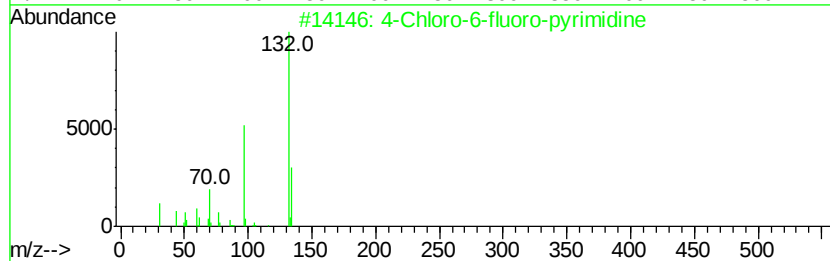
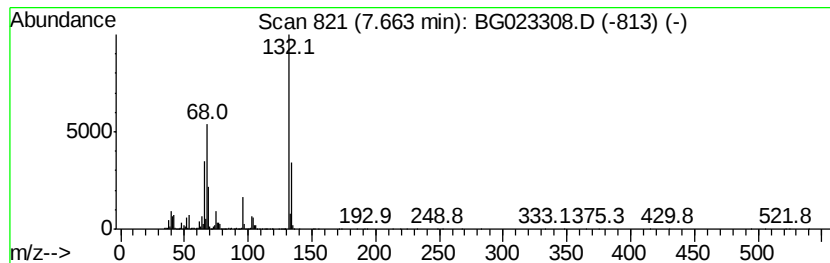
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.66 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.66 | 85.35 ng | 4626320 | 1,4-Dichlorobenzene-d4 | 8.13 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

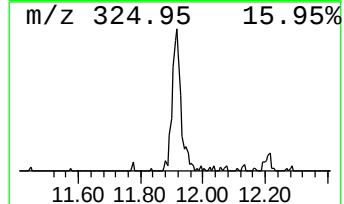
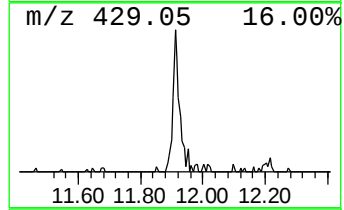
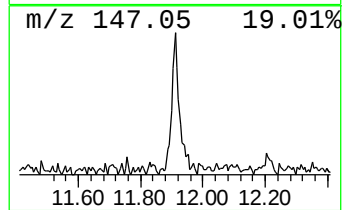
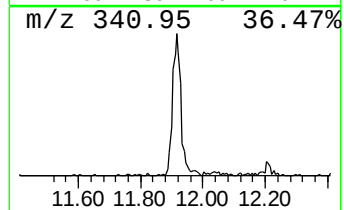
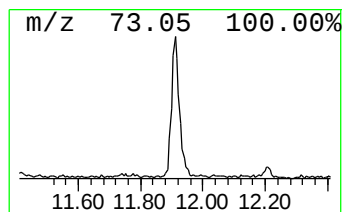
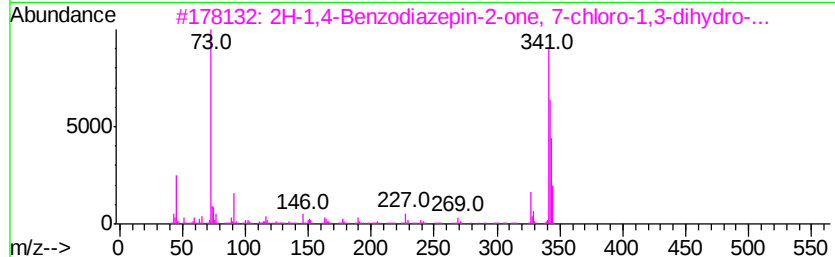
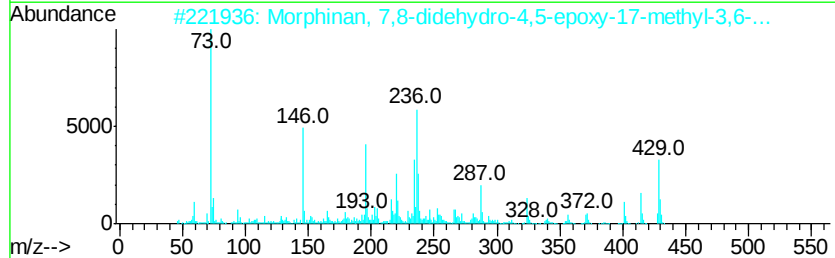
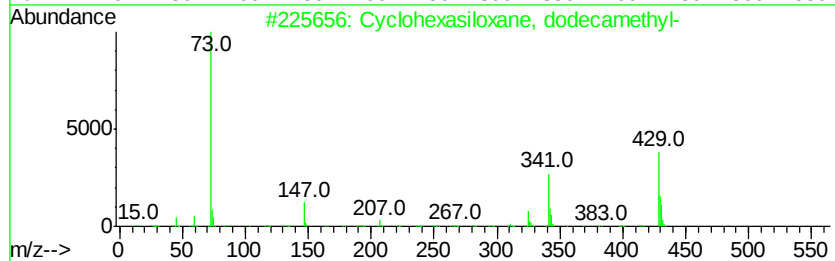
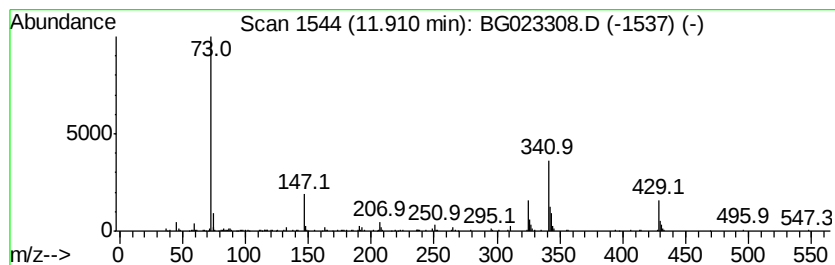
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexasiloxane, dodecane... Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.91 | 3.47 ng | 302107 | Naphthalene-d8   | 10.98 |

| Hit# | of | Tentative ID                        | MW  | MolForm         | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------------|--------------|------|
| 1    | 5  | Cyclohexasiloxane, dodecamethyl-    | 444 | C12H36O6Si6     | 000540-97-6  | 91   |
| 2    |    | Morphinan, 7,8-didehydro-4,5-epo... | 429 | C23H35N03Si2    | 055449-66-6  | 30   |
| 3    |    | 2H-1,4-Benzodiazepin-2-one, 7-ch... | 342 | C18H19ClN2OSi   | 055299-24-6  | 27   |
| 4    |    | 17-Epi-trenbolone, trimethylsily... | 342 | C21H30O2Si      | 1000293-11-0 | 27   |
| 5    |    | 2H-1,4-Benzodiazepin-2-one, 7-ch... | 430 | C21H27ClN2O2Si2 | 055319-93-2  | 27   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

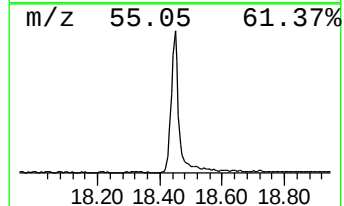
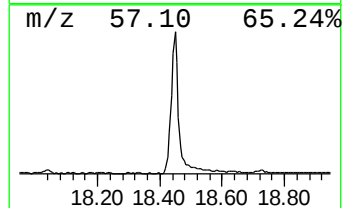
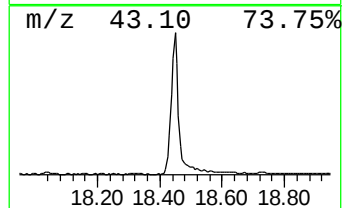
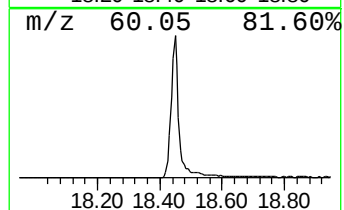
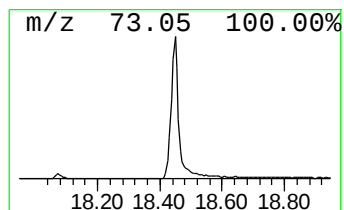
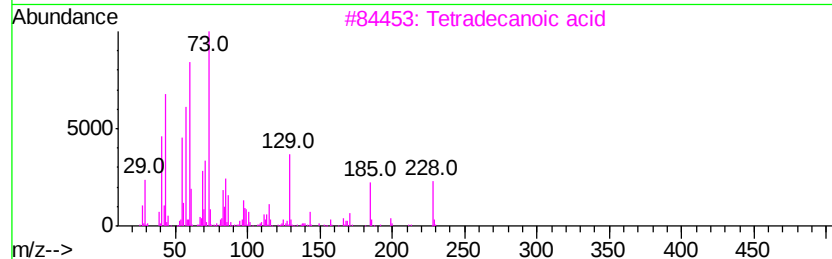
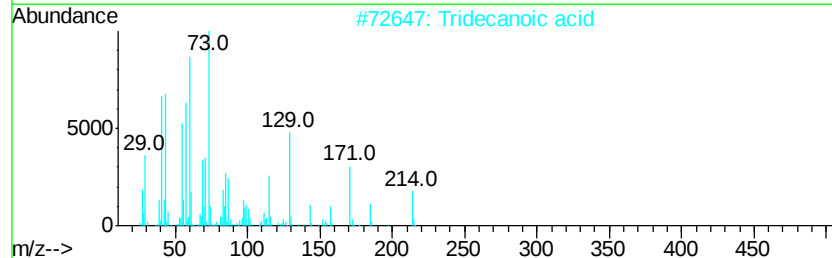
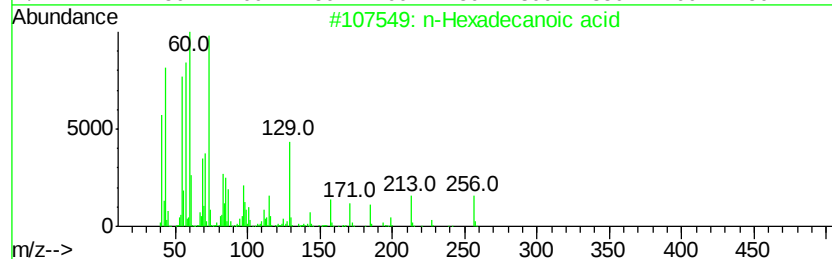
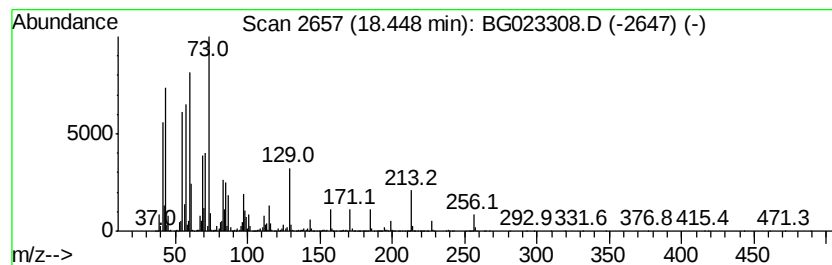
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.45 | 55.39 ng | 9618800 | Phenanthrene-d10 | 17.57 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|---------|---|-----------------------------------|-----|----------|--------------|------|
| 1       |   | n-Hexadecanoic acid               | 256 | C16H32O2 | 000057-10-3  | 98   |
| 2       |   | Tridecanoic acid                  | 214 | C13H26O2 | 000638-53-9  | 92   |
| 3       |   | Tetradecanoic acid                | 228 | C14H28O2 | 000544-63-8  | 90   |
| 4       |   | Pentadecanoic acid                | 242 | C15H30O2 | 001002-84-2  | 81   |
| 5       |   | Oxalic acid, dodecyl propyl ester | 300 | C17H32O4 | 1000309-26-5 | 25   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

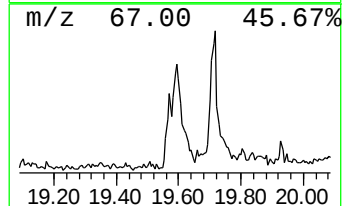
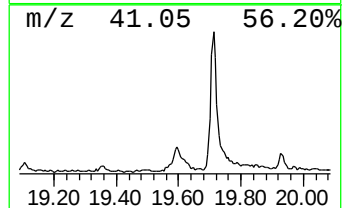
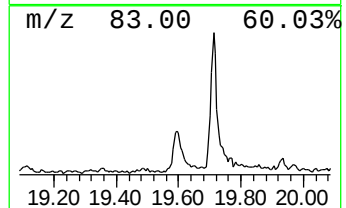
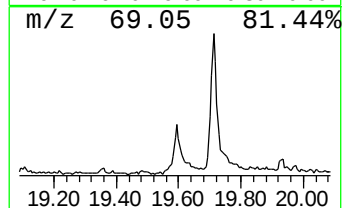
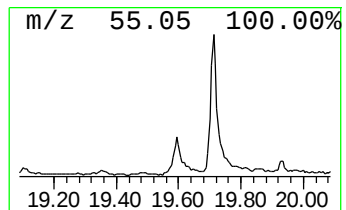
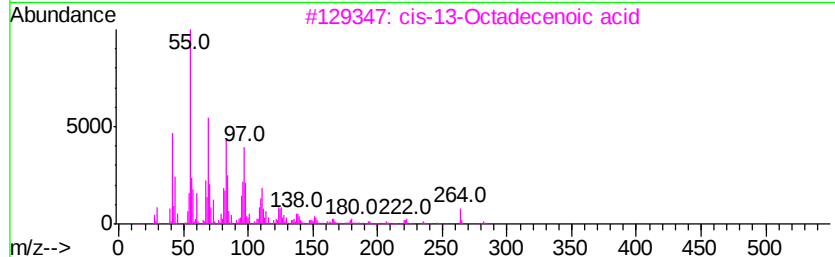
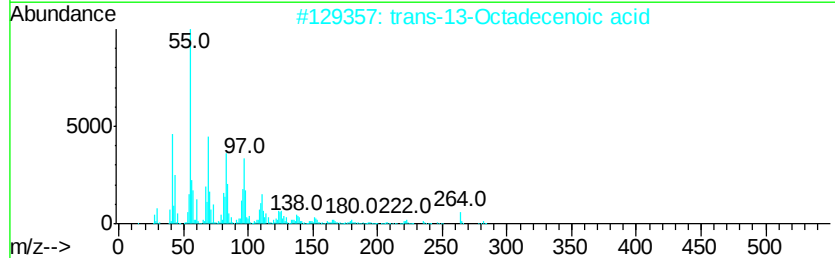
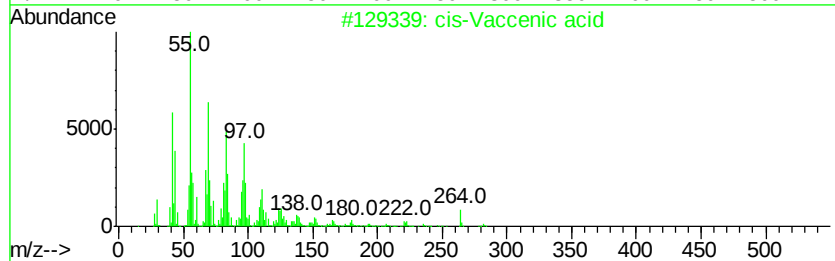
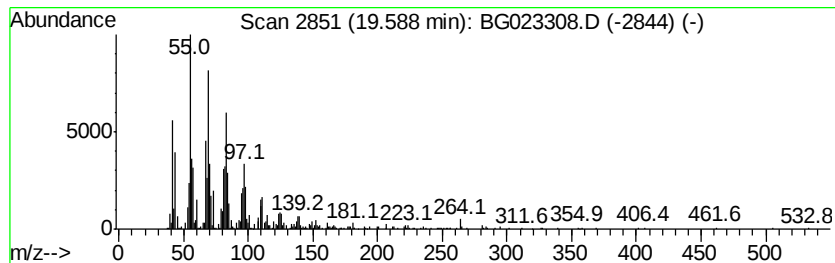
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 cis-Vaccenic acid Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.59 | 5.46 ng | 948911 | Phenanthrene-d10 | 17.57 |

| Hit# of | 5 | Tentative ID               | MW  | MolForm  | CAS#        | Qual |
|---------|---|----------------------------|-----|----------|-------------|------|
| 1       |   | cis-Vaccenic acid          | 282 | C18H34O2 | 000506-17-2 | 93   |
| 2       |   | trans-13-Octadecenoic acid | 282 | C18H34O2 | 000693-71-0 | 89   |
| 3       |   | cis-13-Octadecenoic acid   | 282 | C18H34O2 | 013126-39-1 | 83   |
| 4       |   | 5-Eicosene, (E)-           | 280 | C20H40   | 074685-30-6 | 60   |
| 5       |   | 9-Octadecenoic acid, (E)-  | 282 | C18H34O2 | 000112-79-8 | 55   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

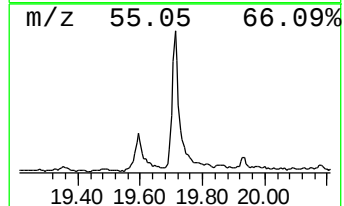
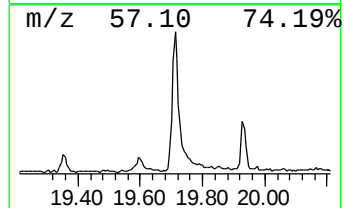
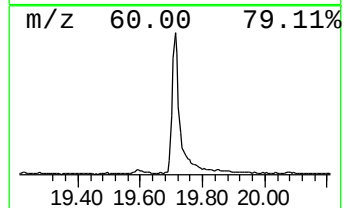
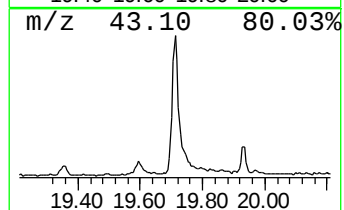
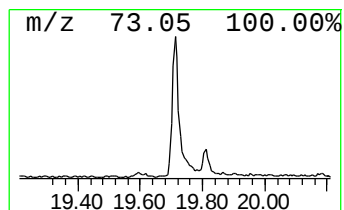
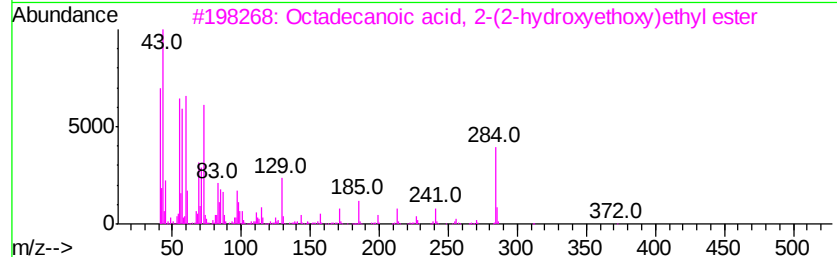
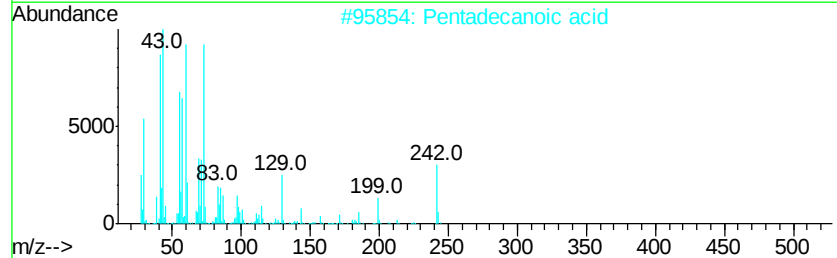
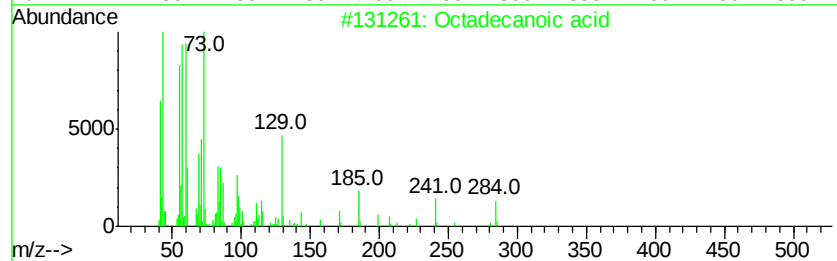
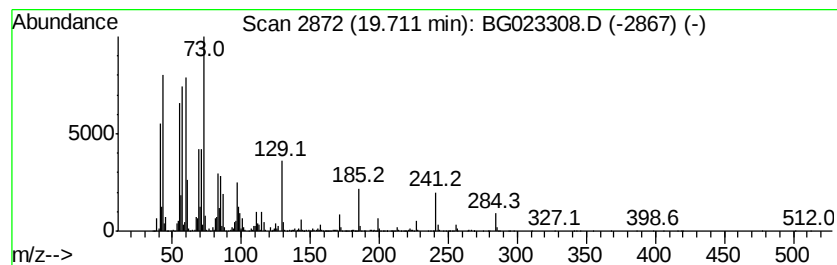
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Octadecanoic acid Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 19.71 | 21.83 ng | 3791440 | Phenanthrene-d10 | 17.57 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2   | 000057-11-4 | 99   |
| 2    |    | Pentadecanoic acid                   | 242 | C15H30O2   | 001002-84-2 | 90   |
| 3    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4   | 000106-11-6 | 72   |
| 4    |    | Tetradecanoic acid                   | 228 | C14H28O2   | 000544-63-8 | 68   |
| 5    |    | Decanoic acid, silver(1+) salt       | 278 | C10H19AgO2 | 013126-67-5 | 58   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

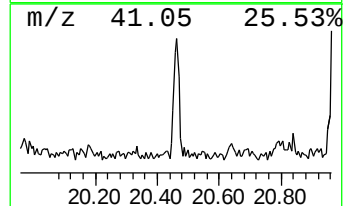
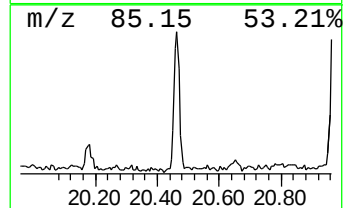
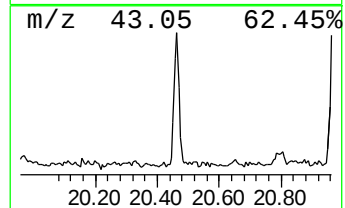
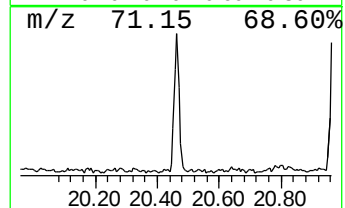
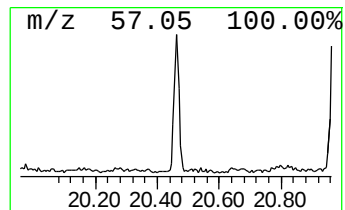
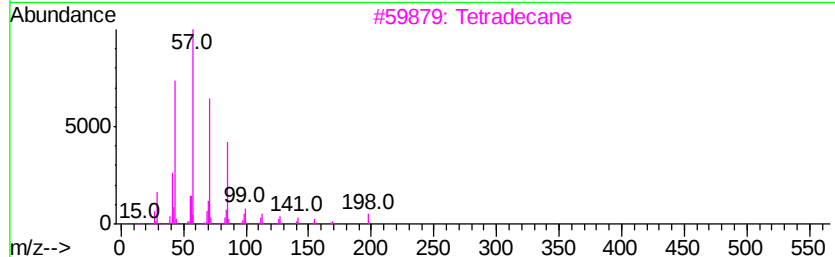
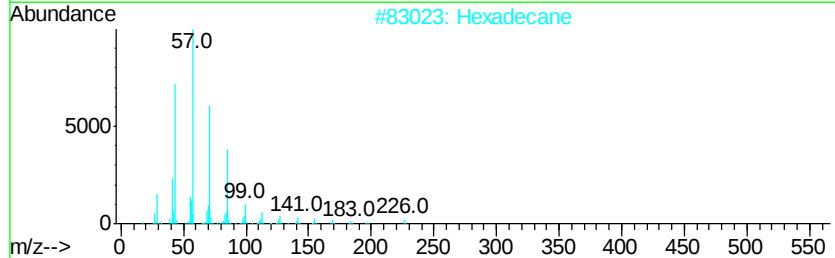
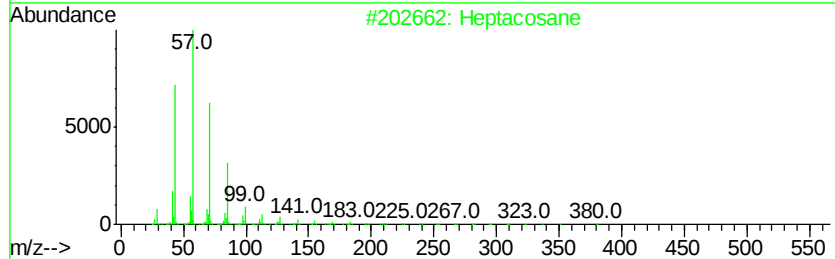
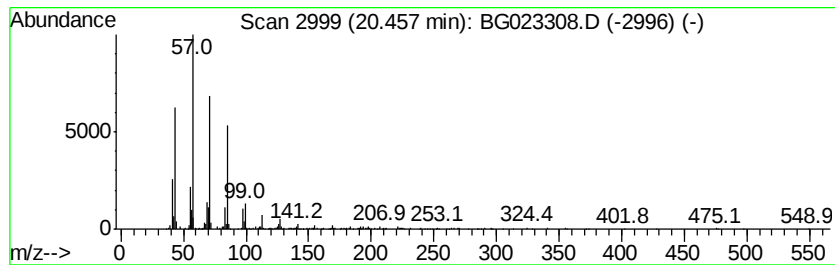
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Heptacosane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.46 | 2.69 ng | 521513 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane  | 380 | C27H56  | 000593-49-7 | 76   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 72   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 68   |
| 5    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 58   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

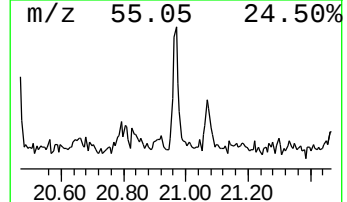
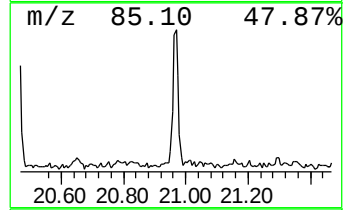
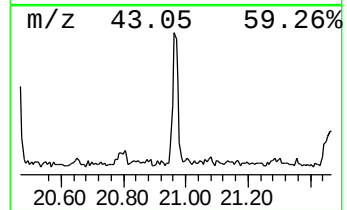
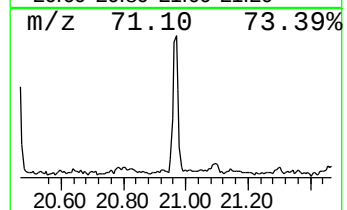
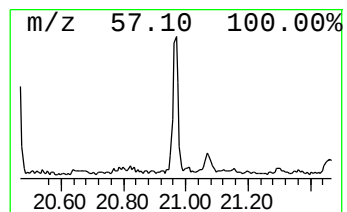
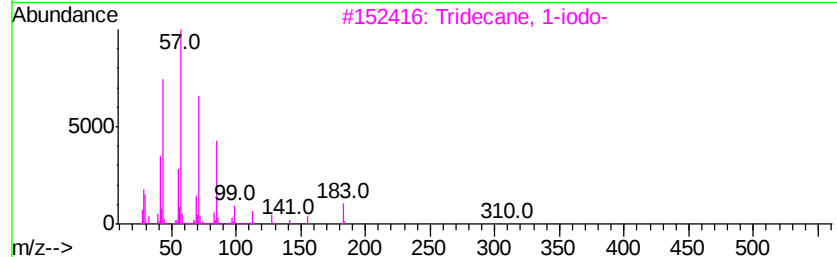
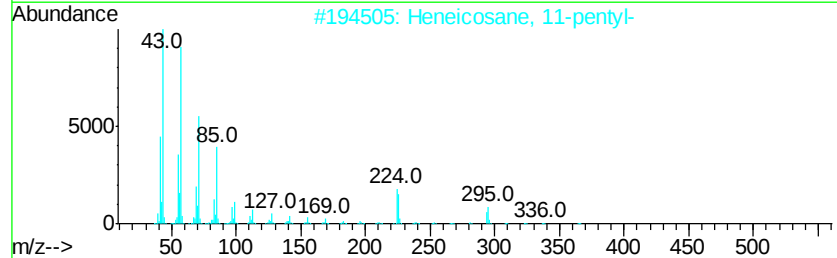
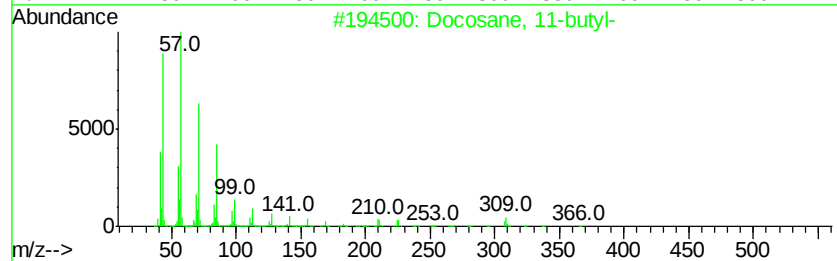
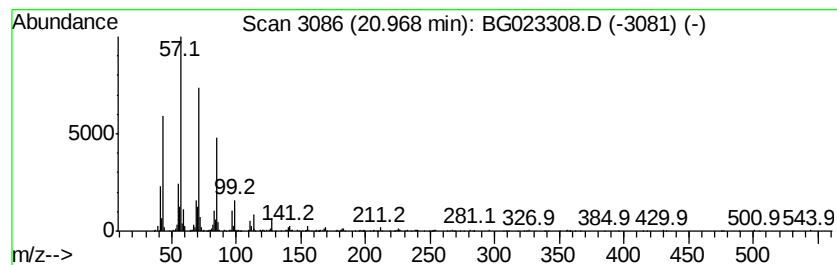
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Docosane, 11-butyl- Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.97 | 2.99 ng | 578536 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane, 11-butyl-     | 366 | C26H54  | 013475-76-8 | 87   |
| 2    |    | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1 | 87   |
| 3    |    | Tridecane, 1-iodo-      | 310 | C13H27I | 035599-77-0 | 87   |
| 4    |    | Tridecane, 6-propyl-    | 226 | C16H34  | 055045-10-8 | 83   |
| 5    |    | Heptadecane             | 240 | C17H36  | 000629-78-7 | 80   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

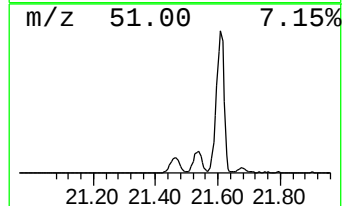
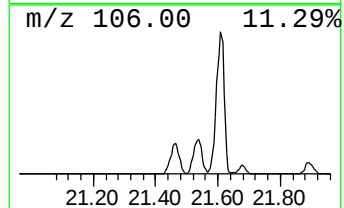
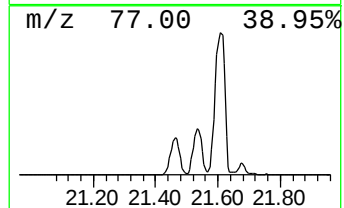
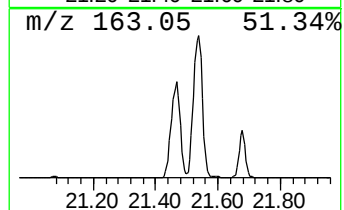
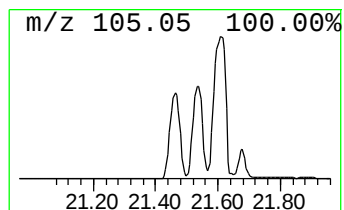
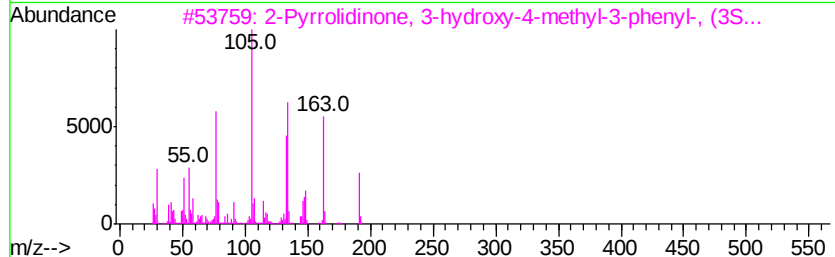
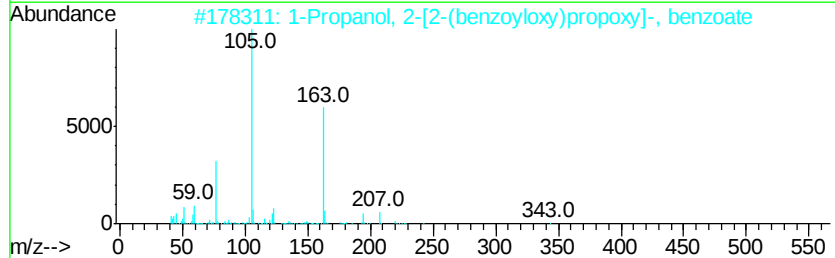
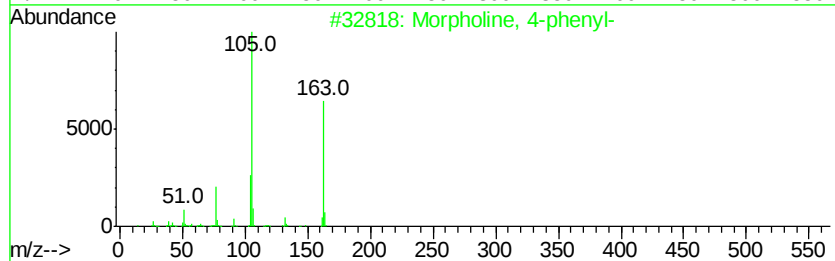
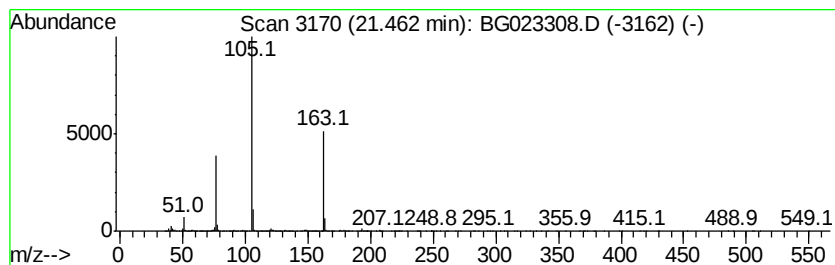
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Morpholine, 4-phenyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 21.46 | 46.69 ng | 9038460 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                                            | MW  | MolForm   | CAS#         | Qual |
|------|----|---------------------------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Morpholine, 4-phenyl-                                   | 163 | C10H13NO  | 000092-53-5  | 53   |
| 2    |    | 1-Propanol, 2-[2-(benzoyloxy)propoxy]-, benzoate        | 342 | C20H22O5  | 020109-39-1  | 43   |
| 3    |    | 2-Pyrrolidinone, 3-hydroxy-4-methyl-3-phenyl-, (3S,4S)- | 191 | C11H13NO2 | 104194-17-4  | 40   |
| 4    |    | Formamide, N-(4-methyl-3-nitrophenyl)-                  | 180 | C8H8N2O3  | 1000319-41-8 | 38   |
| 5    |    | .delta.2-1,3,4-Oxadiazolin-5-one                        | 163 | C7H5N3O2  | 002845-82-1  | 9    |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

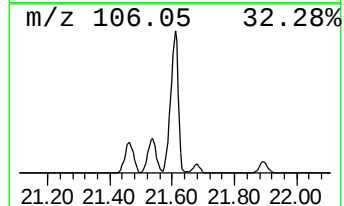
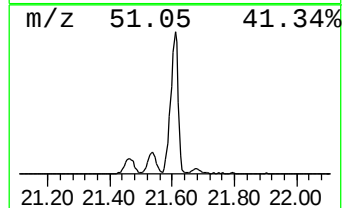
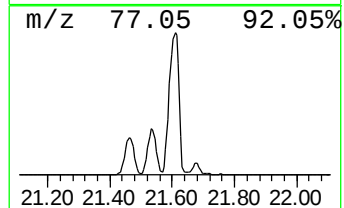
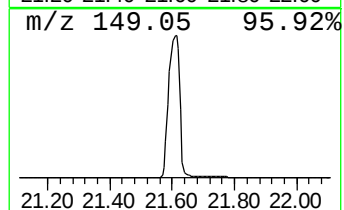
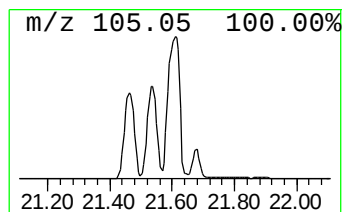
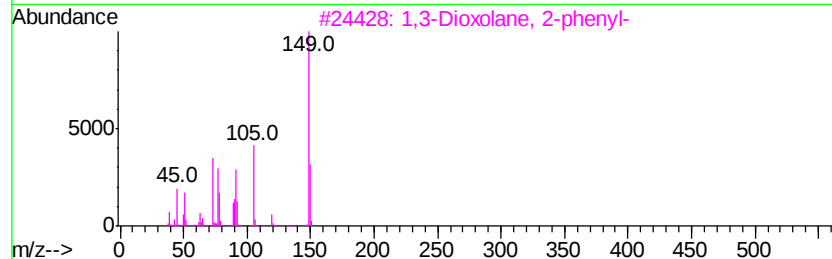
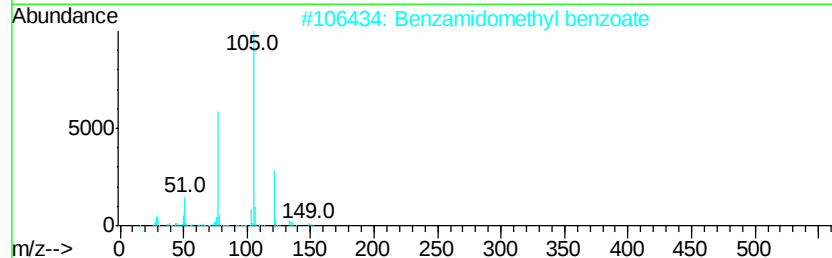
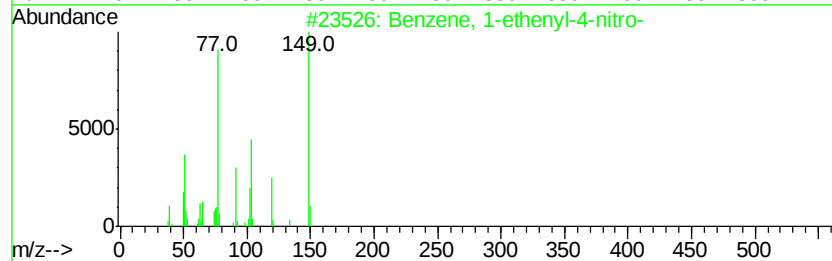
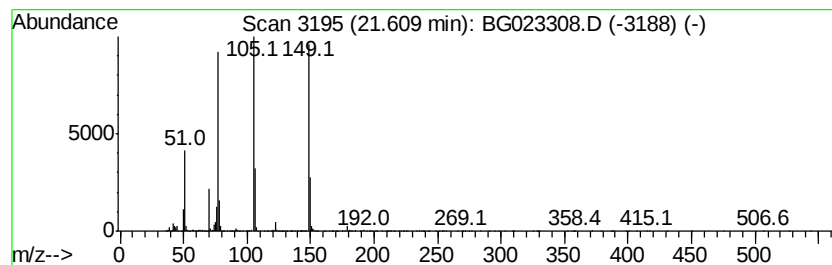
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Benzene, 1-ethenyl-4-nitro- Concentration Rank 2

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 21.61 | 137.84 ng | 26685800 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID                | MW  | MolForm   | CAS#        | Qual |
|------|----|-----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-4-nitro- | 149 | C8H7NO2   | 000100-13-0 | 53   |
| 2    |    | Benzamidomethyl benzoate    | 255 | C15H13NO3 | 061652-83-3 | 43   |
| 3    |    | 1,3-Dioxolane, 2-phenyl-    | 150 | C9H10O2   | 000936-51-6 | 38   |
| 4    |    | Benzoic acid, ethyl ester   | 150 | C9H10O2   | 000093-89-0 | 38   |
| 5    |    | Benzene, 1-ethenyl-3-nitro- | 149 | C8H7NO2   | 000586-39-0 | 38   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

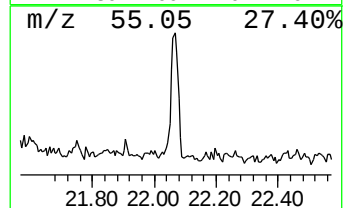
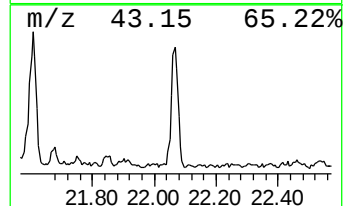
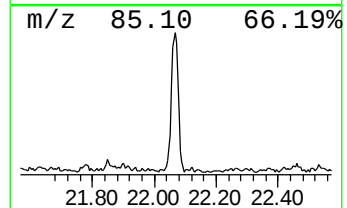
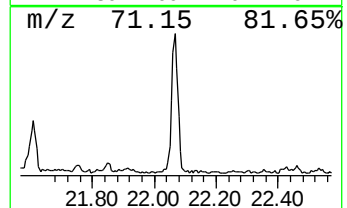
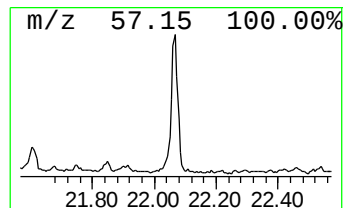
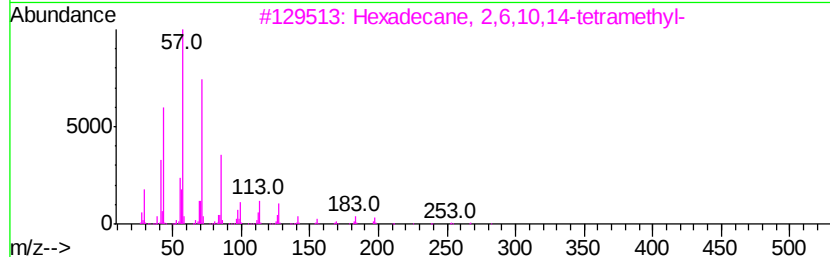
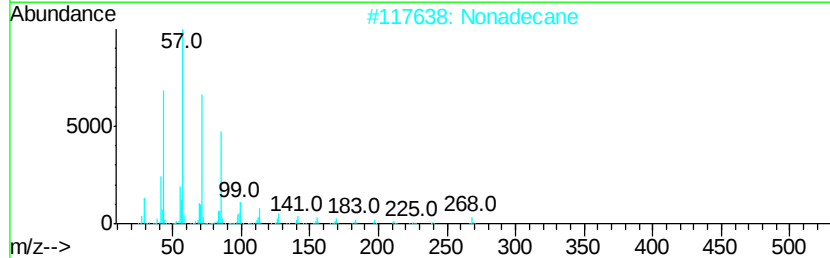
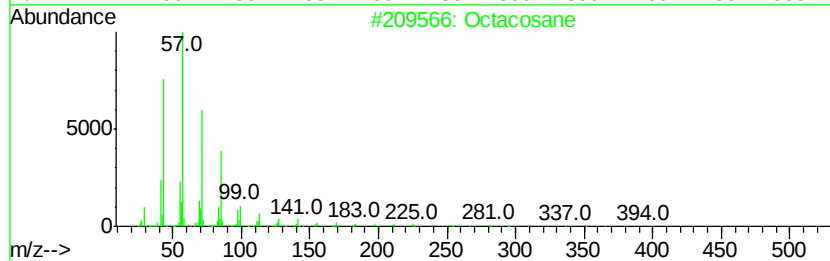
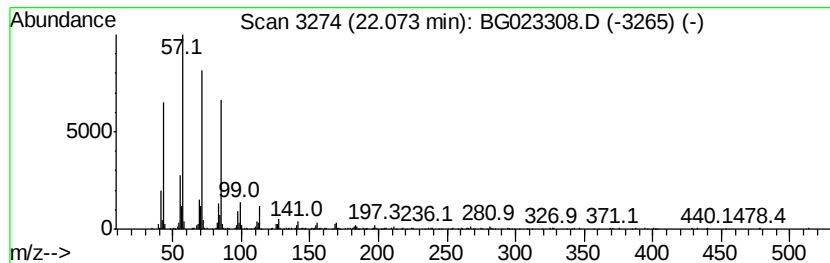
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Octacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.07 | 4.71 ng | 911856 | Chrysene-d12     | 21.90 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octacosane                         | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    |   | Nonadecane                         | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |    |   | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 90   |
| 4    |    |   | Eicosane                           | 282 | C20H42  | 000112-95-8 | 90   |
| 5    |    |   | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 86   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

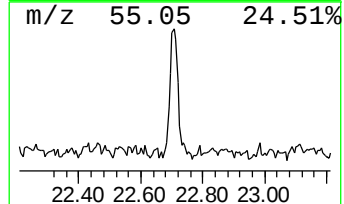
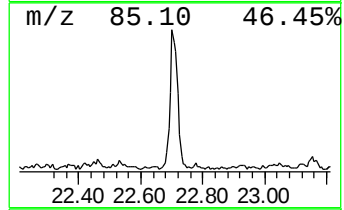
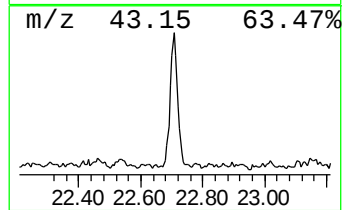
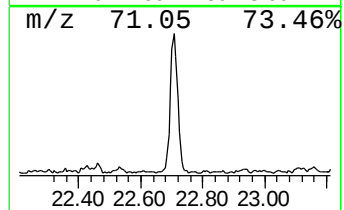
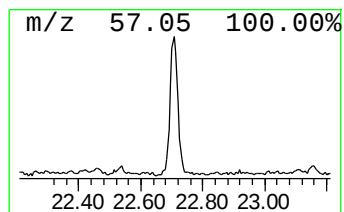
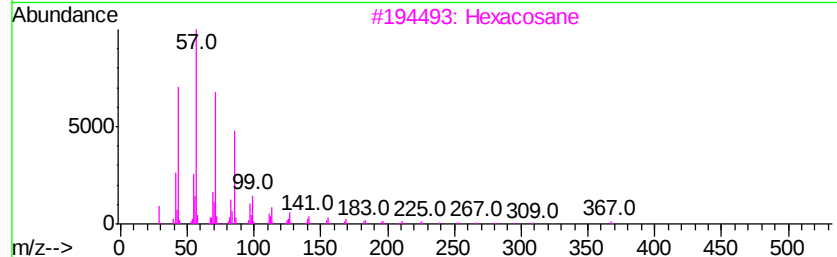
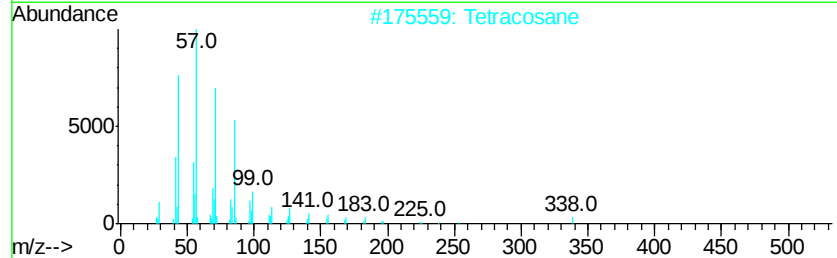
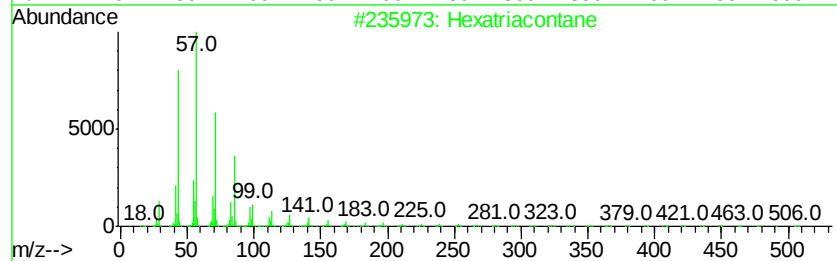
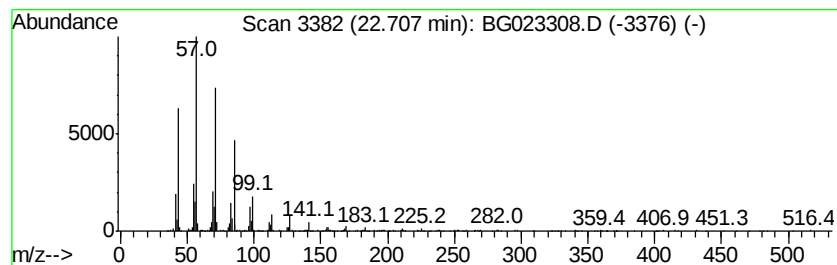
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Hexatriacontane Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.71 | 4.32 ng | 837197 | Chrysene-d12     | 21.90 |

| Hit# | of | 5 | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------|-----|---------|-------------|------|
| 1    |    |   | Hexatriacontane | 507 | C36H74  | 000630-06-8 | 91   |
| 2    |    |   | Tetracosane     | 338 | C24H50  | 000646-31-1 | 90   |
| 3    |    |   | Hexacosane      | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    |   | Heptacosane     | 380 | C27H56  | 000593-49-7 | 90   |
| 5    |    |   | Eicosane        | 282 | C20H42  | 000112-95-8 | 87   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

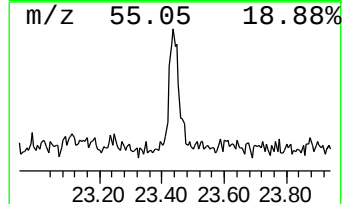
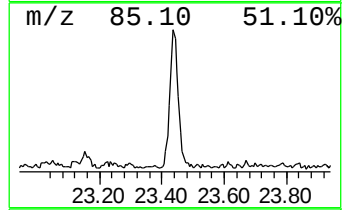
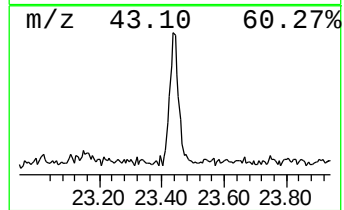
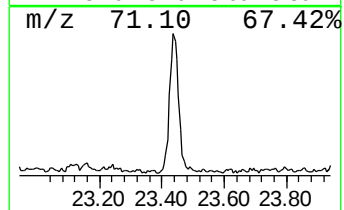
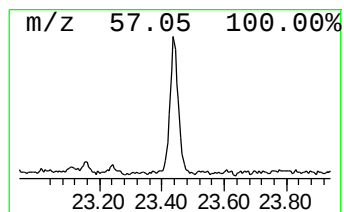
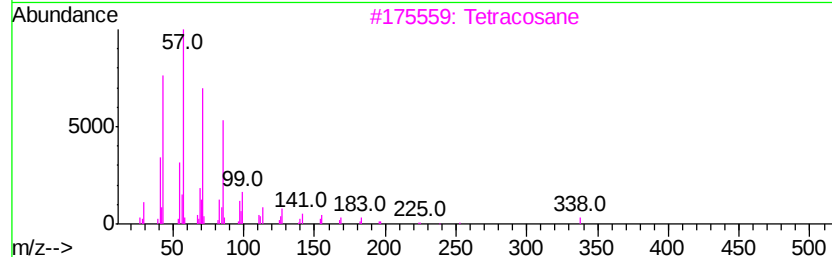
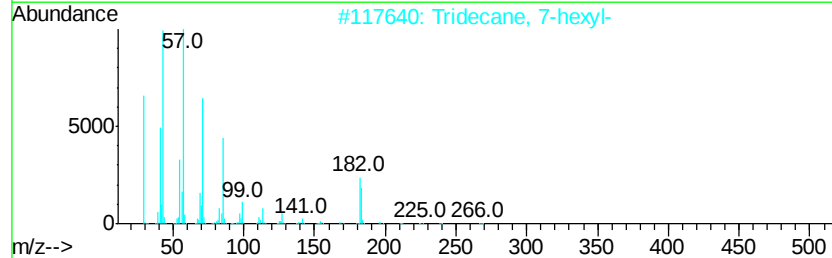
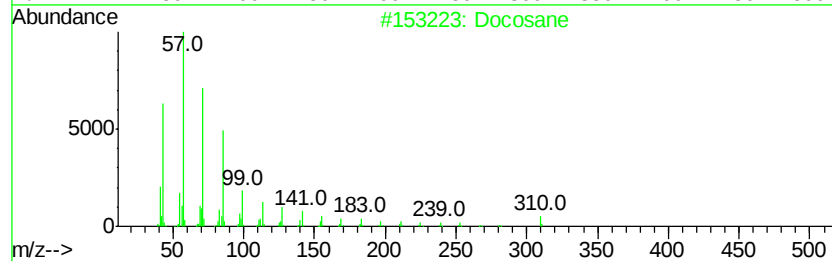
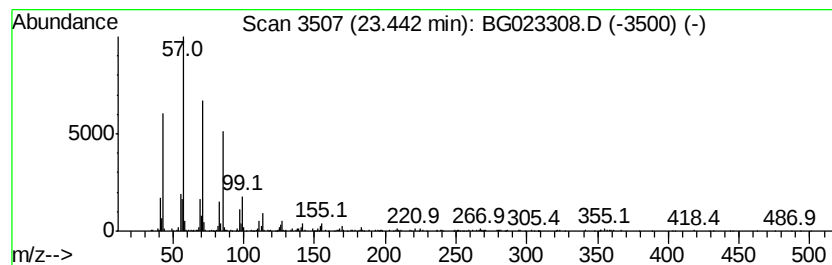
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Docosane Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.44 | 3.79 ng | 734586 | Chrysene-d12     | 21.90 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane             | 310 | C22H46  | 000629-97-0 | 90   |
| 2    |    | Tridecane, 7-hexyl-  | 268 | C19H40  | 007225-66-3 | 90   |
| 3    |    | Tetracosane          | 338 | C24H50  | 000646-31-1 | 90   |
| 4    |    | Tridecane, 1-iodo-   | 310 | C13H27I | 035599-77-0 | 86   |
| 5    |    | Tridecane, 6-propyl- | 226 | C16H34  | 055045-10-8 | 86   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

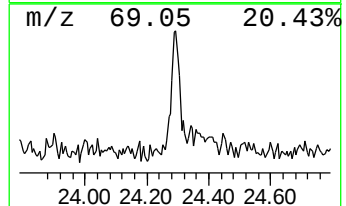
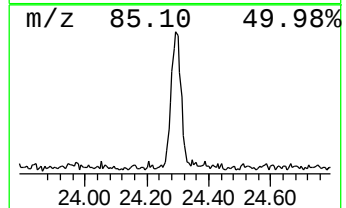
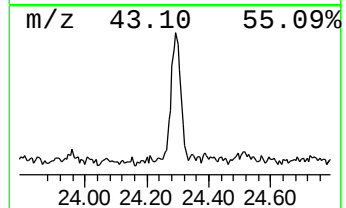
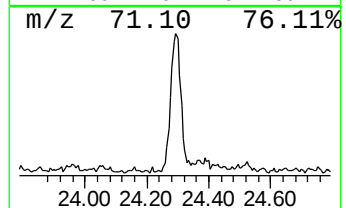
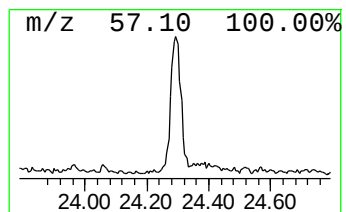
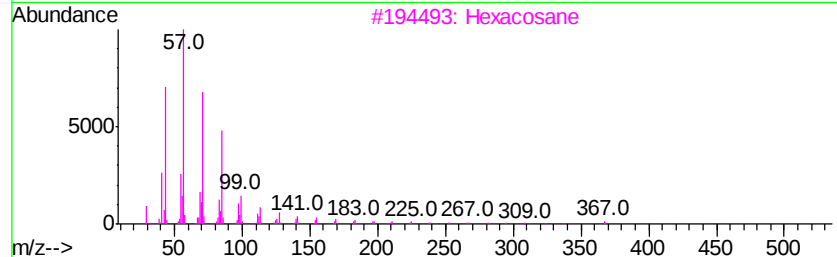
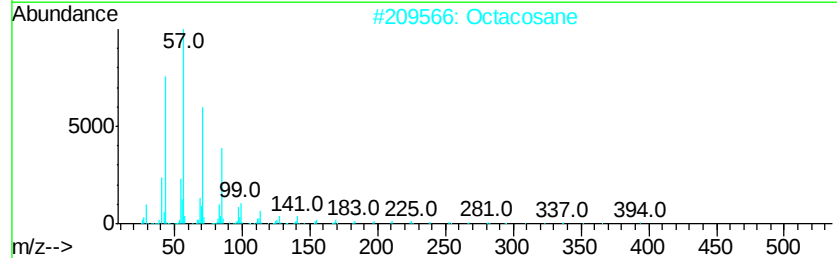
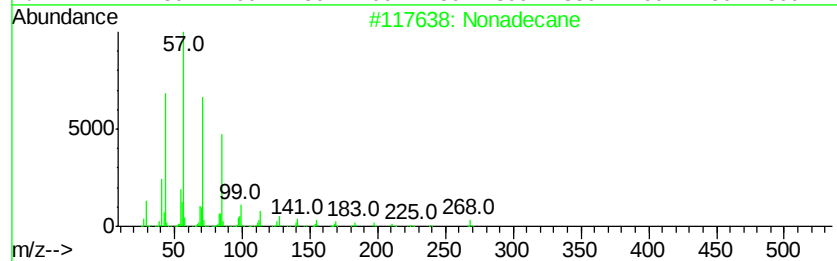
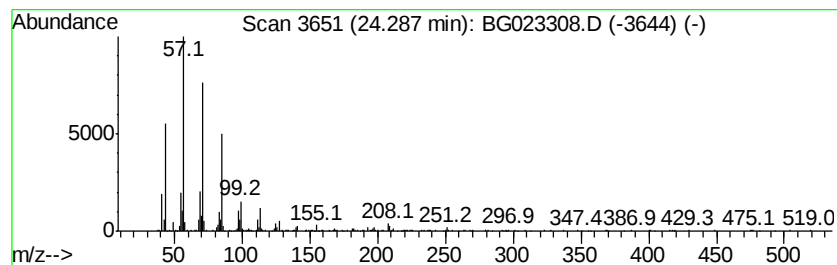
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Nonadecane Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.29 | 3.12 ng | 668863 | Perylene-d12     | 25.30 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane          | 268 | C19H40  | 000629-92-5 | 87   |
| 2    |    |   | Octacosane          | 394 | C28H58  | 000630-02-4 | 87   |
| 3    |    |   | Hexacosane          | 366 | C26H54  | 000630-01-3 | 87   |
| 4    |    |   | Tetracosane         | 338 | C24H50  | 000646-31-1 | 86   |
| 5    |    |   | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 86   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

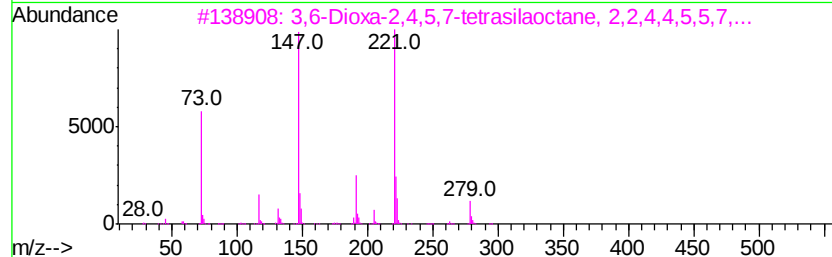
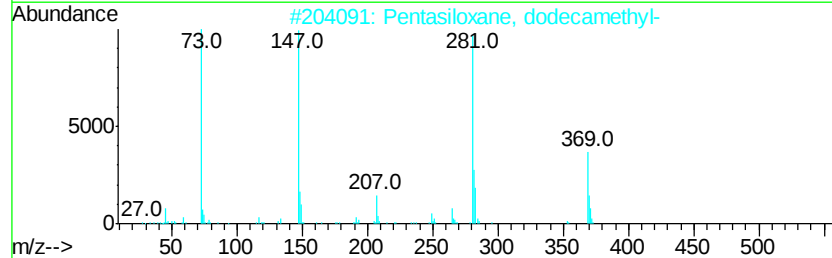
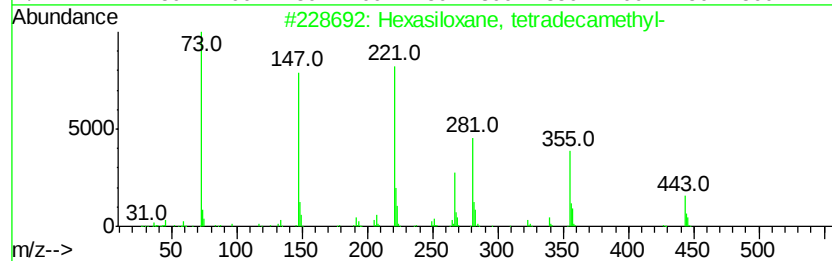
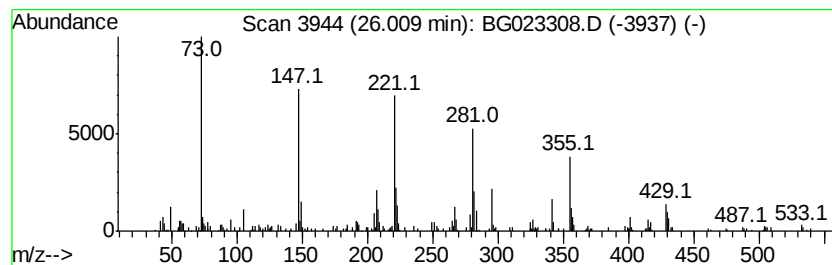
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Hexasiloxane, tetradecamethyl- Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.01 | 2.57 ng | 552332 | Perylene-d12     | 25.30 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Hexasiloxane, tetradecamethyl-      | 458 | C14H42O5Si6 | 000107-52-8 | 72   |
| 2    |    |   | Pentasiloxane, dodecamethyl-        | 384 | C12H36O4Si5 | 000141-63-9 | 38   |
| 3    |    |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 32   |
| 4    |    |   | Heptasiloxane, hexadecamethyl-      | 532 | C16H48O6Si7 | 000541-01-5 | 30   |
| 5    |    |   | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 25   |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072816\  
Data File : BG023308.D  
Acq On : 28 Jul 2016 15:46  
Operator : UM/SJ  
Sample : H4205-03  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

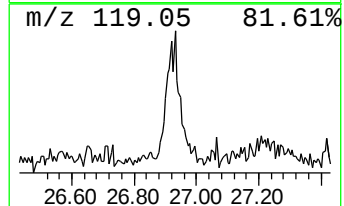
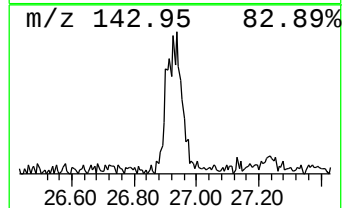
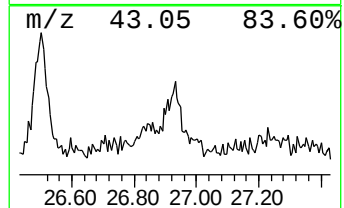
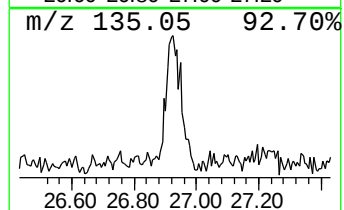
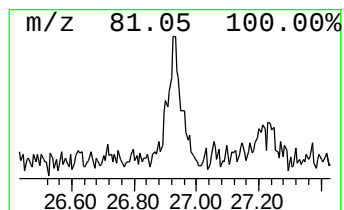
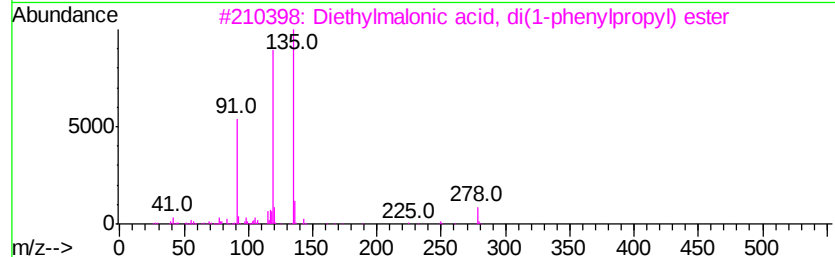
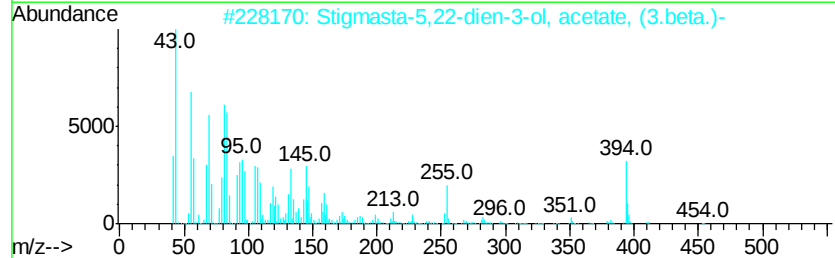
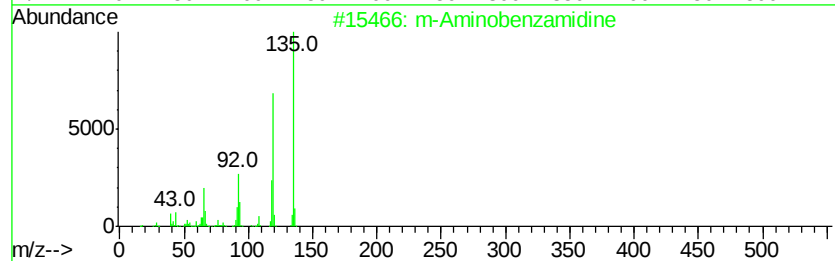
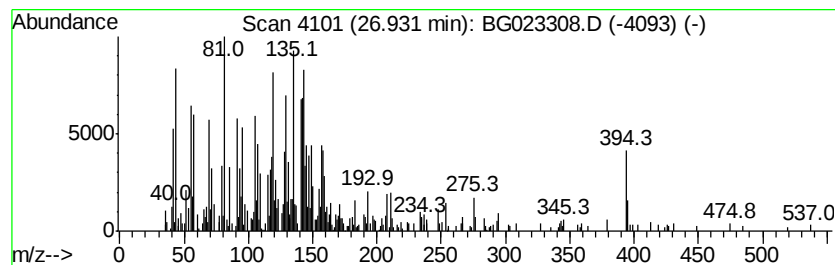
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 unknown26.93 Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.93 | 3.24 ng | 696075 | Perylene-d12     | 25.30 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | m-Aminobenzamidine                  | 135 | C7H9N3   | 003459-66-3  | 18   |
| 2    |    | Stigmasta-5,22-dien-3-ol, acetat... | 454 | C31H50O2 | 004651-48-3  | 14   |
| 3    |    | Diethylmalonic acid, di(1-phenyl... | 396 | C25H32O4 | 1000370-19-2 | 14   |
| 4    |    | Adipic acid, di(1-phenylpropyl) ... | 382 | C24H30O4 | 1000324-71-2 | 14   |
| 5    |    | Benzamide, 4-methyl-                | 135 | C8H9NO   | 000619-55-6  | 14   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072816\  
 Data File : BG023308.D  
 Acq On : 28 Jul 2016 15:46  
 Operator : UM/SJ  
 Sample : H4205-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-37-14.0-15.0

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG072616.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 |
| unknown3.00          | 3.00  | 183.7   | ng    | 9955940  | 1                     | 8.13  | 1084120 | 20.0 |
| 2-Pentanone, 4-hy... | 5.19  | 14.1    | ng    | 766427   | 1                     | 8.13  | 1084120 | 20.0 |
| unknown7.66          | 7.66  | 85.3    | ng    | 4626320  | 1                     | 8.13  | 1084120 | 20.0 |
| Cyclohexasiloxane... | 11.91 | 3.5     | ng    | 302107   | 2                     | 10.98 | 1741990 | 20.0 |
| n-Hexadecanoic acid  | 18.45 | 55.4    | ng    | 9618800  | 4                     | 17.57 | 3472940 | 20.0 |
| cis-Vaccenic acid    | 19.59 | 5.5     | ng    | 948911   | 4                     | 17.57 | 3472940 | 20.0 |
| Octadecanoic acid    | 19.71 | 21.8    | ng    | 3791440  | 4                     | 17.57 | 3472940 | 20.0 |
| Heptacosane          | 20.46 | 2.7     | ng    | 521513   | 5                     | 21.90 | 3872080 | 20.0 |
| Docosane, 11-butyl-  | 20.97 | 3.0     | ng    | 578536   | 5                     | 21.90 | 3872080 | 20.0 |
| Morpholine, 4-phe... | 21.46 | 46.7    | ng    | 9038460  | 5                     | 21.90 | 3872080 | 20.0 |
| Benzene, 1-etheny... | 21.61 | 137.8   | ng    | 26685800 | 5                     | 21.90 | 3872080 | 20.0 |
| Octacosane           | 22.07 | 4.7     | ng    | 911856   | 5                     | 21.90 | 3872080 | 20.0 |
| Hexatriacontane      | 22.71 | 4.3     | ng    | 837197   | 5                     | 21.90 | 3872080 | 20.0 |
| Docosane             | 23.44 | 3.8     | ng    | 734586   | 5                     | 21.90 | 3872080 | 20.0 |
| Nonadecane           | 24.29 | 3.1     | ng    | 668863   | 6                     | 25.30 | 4292320 | 20.0 |
| Hexasiloxane, tet... | 26.01 | 2.6     | ng    | 552332   | 6                     | 25.30 | 4292320 | 20.0 |
| unknown26.93         | 26.93 | 3.2     | ng    | 696075   | 6                     | 25.30 | 4292320 | 20.0 |