

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
 Data File : BG025861.D  
 Acq On : 17 Feb 2017 16:16  
 Operator : SJ/MA  
 Sample : I1880-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MANHOLE

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-BG021717.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         | 5.192       | 309           | 315         | 321          | rBV      | 26497          | 41884         | 1.02%           | 0.202%        |
| 2         | 5.656       | 387           | 394         | 401          | rBV2     | 24652          | 43580         | 1.06%           | 0.210%        |
| 3         | 7.260       | 657           | 667         | 675          | rVB2     | 77629          | 160803        | 3.90%           | 0.776%        |
| 4         | 7.612       | 721           | 727         | 733          | rVB      | 39633          | 66644         | 1.62%           | 0.322%        |
| 5         | 8.088       | 800           | 808         | 815          | rBV      | 331526         | 545148        | 13.23%          | 2.632%        |
| 6         | 8.411       | 857           | 863         | 869          | rVB      | 62917          | 104605        | 2.54%           | 0.505%        |
| 7         | 8.834       | 928           | 935         | 940          | rBV2     | 24235          | 43010         | 1.04%           | 0.208%        |
| 8         | 9.240       | 997           | 1004        | 1010         | rBV      | 48103          | 85299         | 2.07%           | 0.412%        |
| 9         | 10.885      | 1277          | 1284        | 1292         | rVB      | 499726         | 894437        | 21.70%          | 4.319%        |
| 10        | 13.317      | 1691          | 1698        | 1704         | rBV      | 168051         | 258028        | 6.26%           | 1.246%        |
| 11        | 13.911      | 1795          | 1799        | 1806         | rBV4     | 25431          | 43784         | 1.06%           | 0.211%        |
| 12        | 14.134      | 1831          | 1837        | 1842         | rBV      | 154326         | 222619        | 5.40%           | 1.075%        |
| 13        | 14.686      | 1925          | 1931        | 1940         | rVV      | 895968         | 1387969       | 33.68%          | 6.702%        |
| 14        | 14.769      | 1940          | 1945        | 1951         | rVB      | 27612          | 43009         | 1.04%           | 0.208%        |
| 15        | 15.092      | 1994          | 2000        | 2011         | rBV      | 125201         | 211078        | 5.12%           | 1.019%        |
| 16        | 15.479      | 2060          | 2066        | 2070         | rBV2     | 35373          | 51320         | 1.25%           | 0.248%        |
| 17        | 15.532      | 2070          | 2075        | 2079         | rVB      | 52715          | 67802         | 1.65%           | 0.327%        |
| 18        | 16.161      | 2173          | 2182        | 2187         | rBV3     | 54669          | 83460         | 2.03%           | 0.403%        |
| 19        | 16.390      | 2216          | 2221        | 2223         | rBV      | 76341          | 96551         | 2.34%           | 0.466%        |
| 20        | 16.807      | 2287          | 2292        | 2298         | rBV4     | 30759          | 48695         | 1.18%           | 0.235%        |
| 21        | 17.177      | 2350          | 2355        | 2359         | rBV      | 90105          | 118779        | 2.88%           | 0.574%        |
| 22        | 17.418      | 2389          | 2396        | 2404         | rVV2     | 1255178        | 1842377       | 44.70%          | 8.896%        |
| 23        | 17.706      | 2440          | 2445        | 2450         | rVB      | 47256          | 71296         | 1.73%           | 0.344%        |
| 24        | 17.794      | 2454          | 2460        | 2464         | rBV      | 145974         | 211856        | 5.14%           | 1.023%        |
| 25        | 17.912      | 2476          | 2480        | 2485         | rBV      | 94387          | 119759        | 2.91%           | 0.578%        |
| 26        | 18.306      | 2541          | 2547        | 2564         | rBV      | 635657         | 1007043       | 24.43%          | 4.863%        |
| 27        | 18.599      | 2593          | 2597        | 2605         | rVB      | 63351          | 91813         | 2.23%           | 0.443%        |
| 28        | 18.729      | 2615          | 2619        | 2622         | rBV4     | 32006          | 41289         | 1.00%           | 0.199%        |
| 29        | 19.152      | 2687          | 2691        | 2700         | rBV      | 431006         | 561303        | 13.62%          | 2.710%        |
| 30        | 19.228      | 2700          | 2704        | 2711         | rVB      | 38274          | 57983         | 1.41%           | 0.280%        |
| 31        | 19.422      | 2733          | 2737        | 2739         | rBV3     | 59622          | 81450         | 1.98%           | 0.393%        |
| 32        | 19.451      | 2739          | 2742        | 2744         | rVV3     | 107731         | 153626        | 3.73%           | 0.742%        |
| 33        | 19.481      | 2744          | 2747        | 2757         | rVV6     | 107622         | 264664        | 6.42%           | 1.278%        |
| 34        | 19.569      | 2757          | 2762        | 2783         | rVV      | 602193         | 999584        | 24.25%          | 4.827%        |

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

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-BG021717.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 20.015 | 2833 | 2838 | 2843 | rVB  | 277345  | 357276  | 8.67%   | 1.725%  |
| 36 | 20.656 | 2942 | 2947 | 2951 | rBV  | 96369   | 139504  | 3.38%   | 0.674%  |
| 37 | 20.797 | 2969 | 2971 | 2979 | rVB4 | 26605   | 45857   | 1.11%   | 0.221%  |
| 38 | 21.320 | 3055 | 3060 | 3069 | rBV2 | 173154  | 281120  | 6.82%   | 1.357%  |
| 39 | 21.566 | 3098 | 3102 | 3107 | rVB  | 79048   | 105134  | 2.55%   | 0.508%  |
| 40 | 21.672 | 3113 | 3120 | 3128 | rBV  | 1264952 | 2101659 | 50.99%  | 10.148% |
| 41 | 23.376 | 3407 | 3410 | 3418 | rVB2 | 37021   | 66297   | 1.61%   | 0.320%  |
| 42 | 24.880 | 3655 | 3666 | 3682 | rBV2 | 719469  | 2070469 | 50.24%  | 9.998%  |
| 43 | 26.660 | 3958 | 3969 | 3981 | rBV5 | 263126  | 876796  | 21.27%  | 4.234%  |
| 44 | 27.113 | 4033 | 4046 | 4069 | rBV4 | 1124779 | 4121433 | 100.00% | 19.901% |
| 45 | 30.245 | 4567 | 4579 | 4592 | rVB4 | 98294   | 421709  | 10.23%  | 2.036%  |

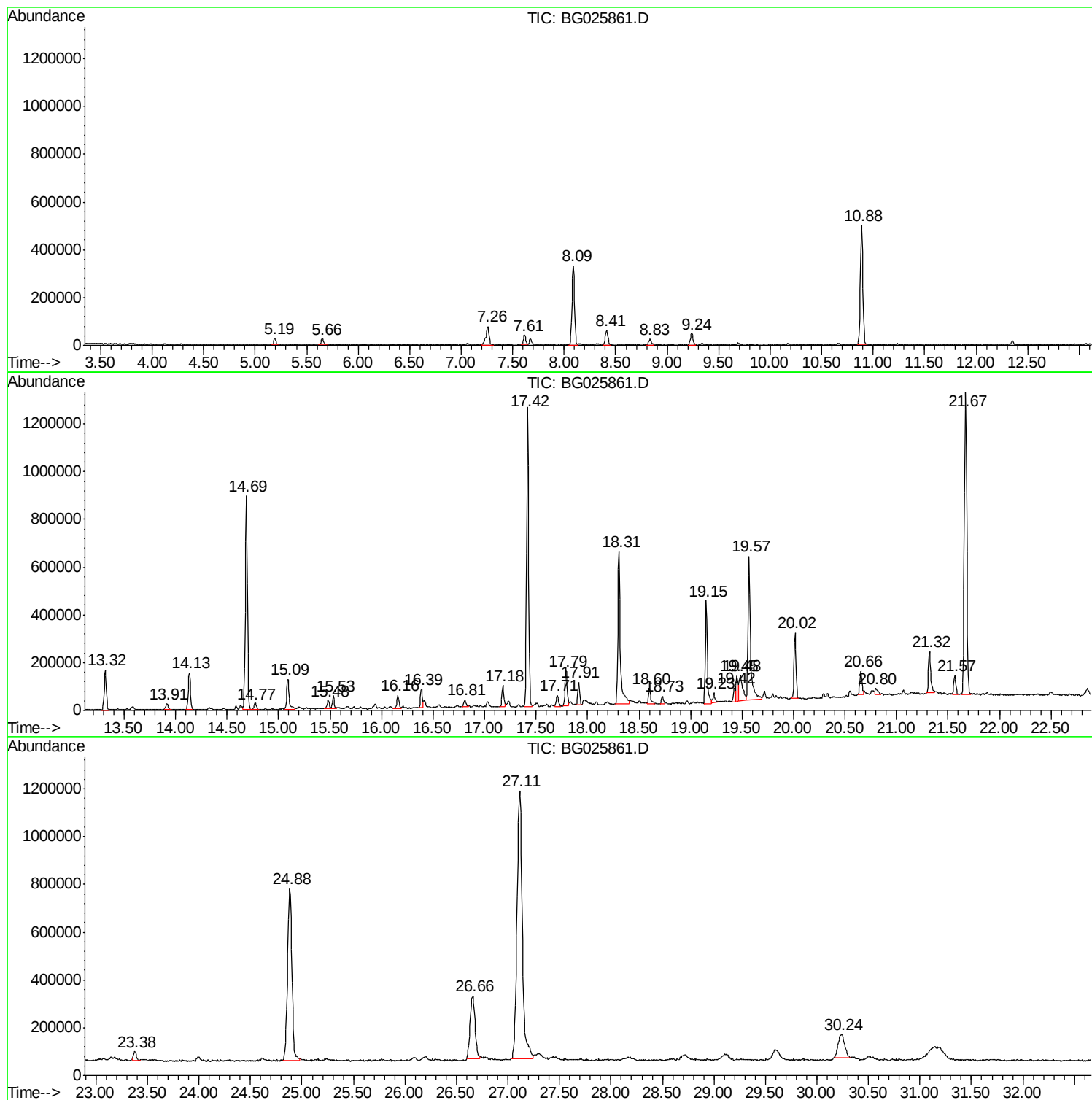
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MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.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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Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

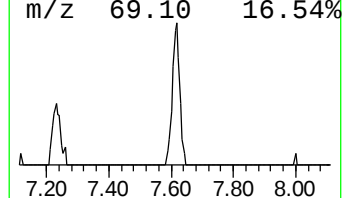
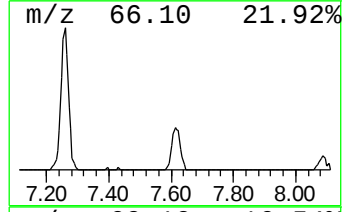
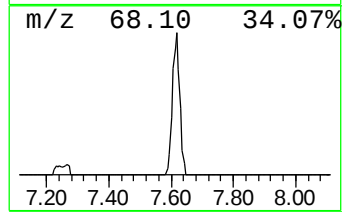
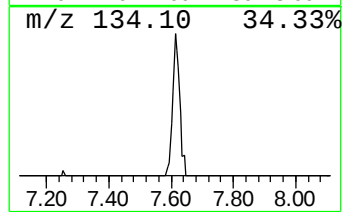
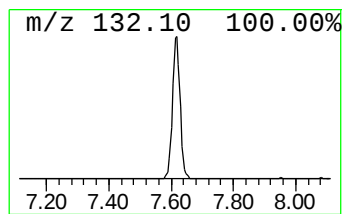
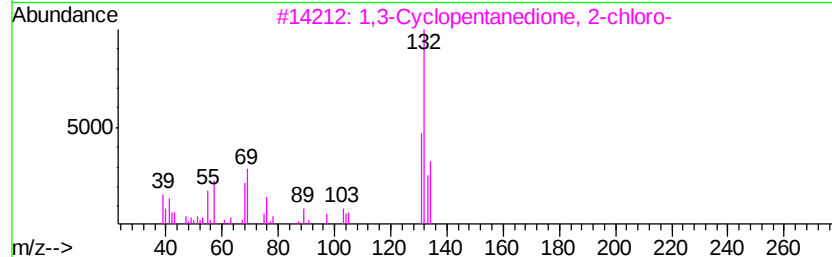
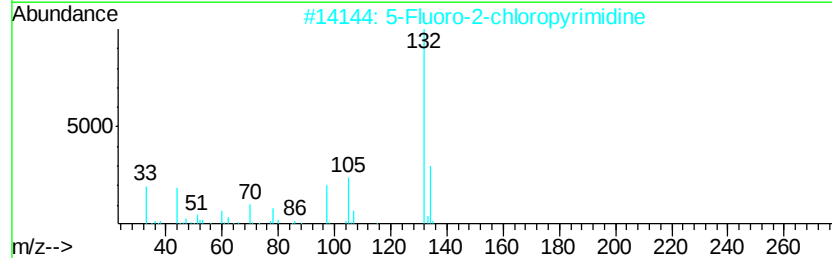
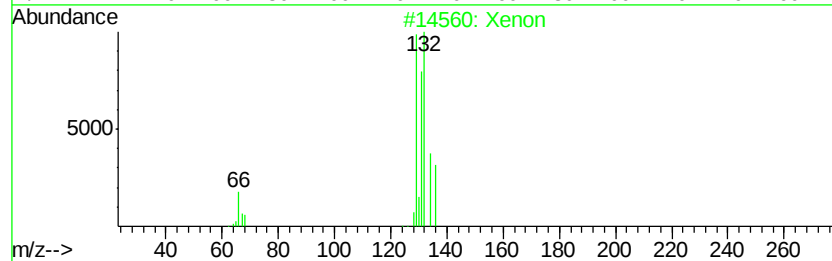
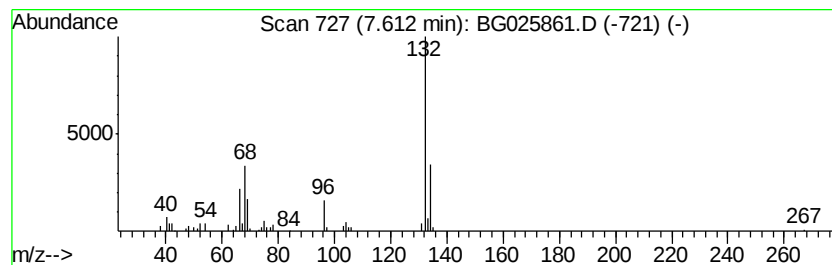
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Xenon Concentration Rank 11

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.61 | 2.44 ng | 66644 | 1,4-Dichlorobenzene-d4 | 8.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Xenon                               | 132 | Xe        | 007440-63-3 | 59   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 12   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1 | 12   |
| 4    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3 | 12   |
| 5    |    | Dimethyl bicyclo[2.2.1]-2,5-hept... | 208 | C11H12O4  | 000947-57-9 | 10   |



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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

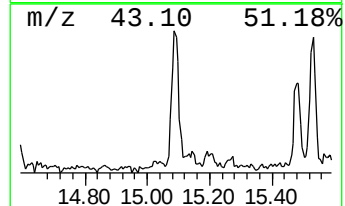
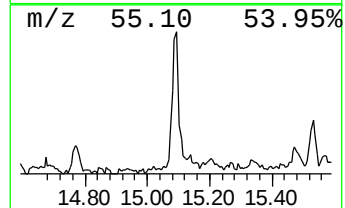
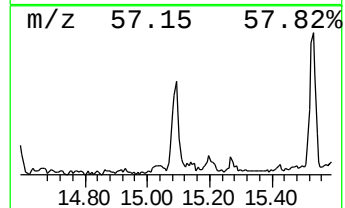
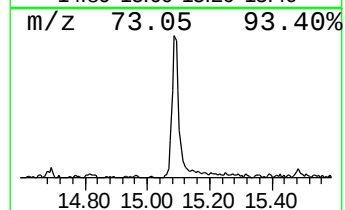
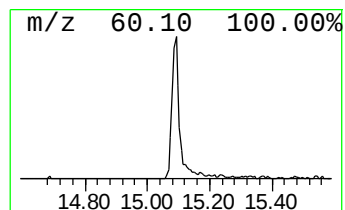
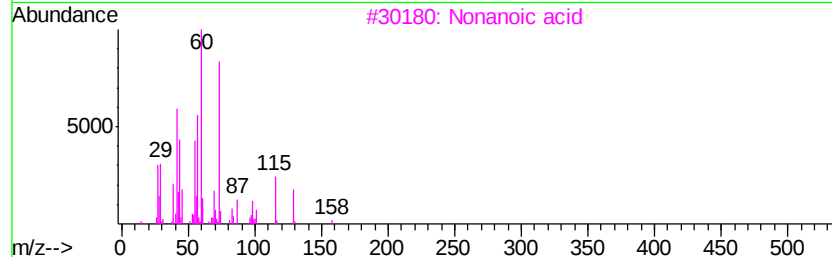
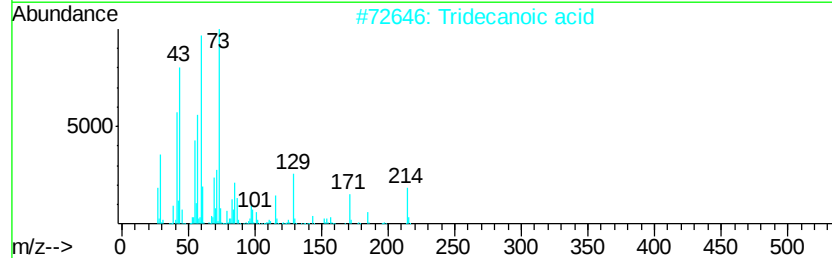
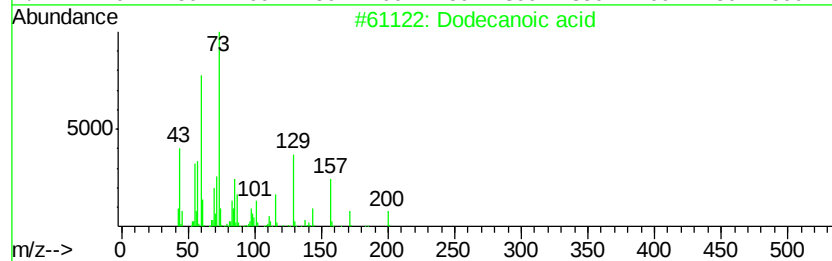
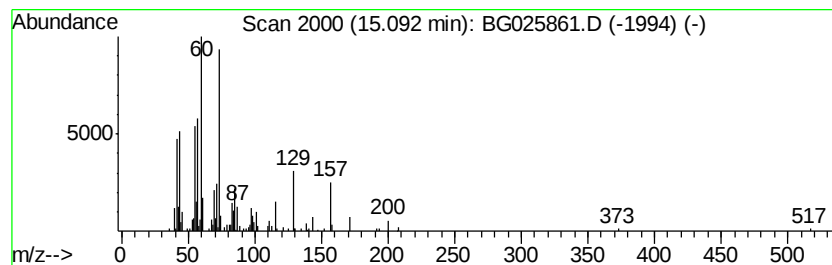
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Dodecanoic acid Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD |  | R.T.  |
|-------|---------|--------|------------------|--|-------|
| 15.09 | 3.04 ng | 211078 | Acenaphthene-d10 |  | 14.69 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 98   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 83   |
| 3    |    |   | Nonanoic acid       | 158 | C9H18O2  | 000112-05-0 | 62   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 53   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 52   |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

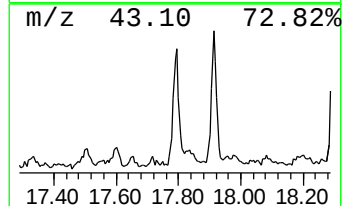
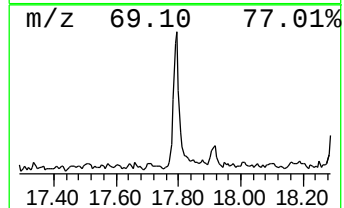
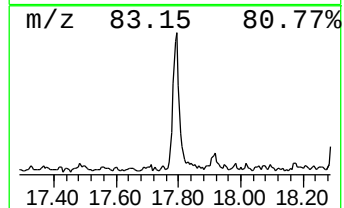
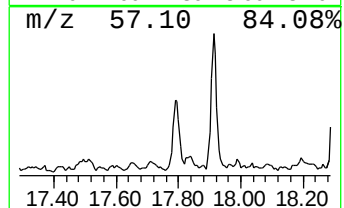
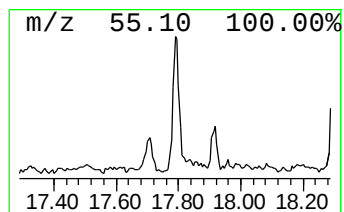
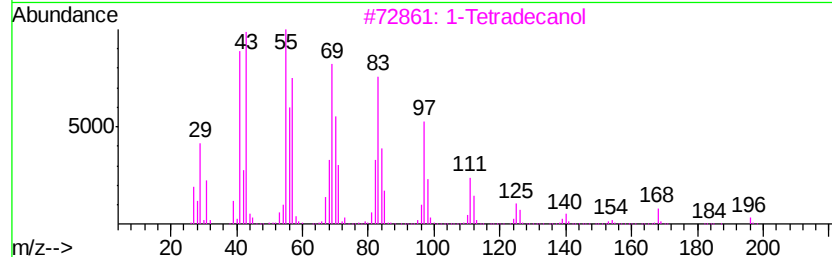
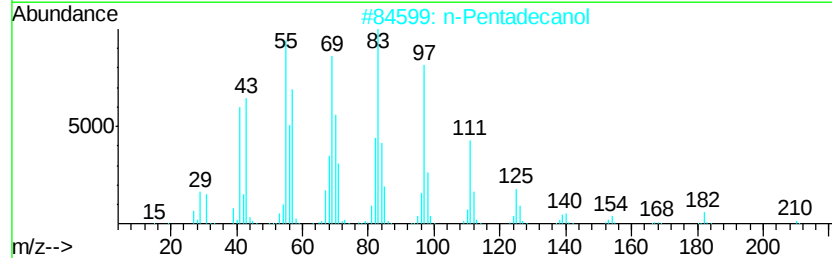
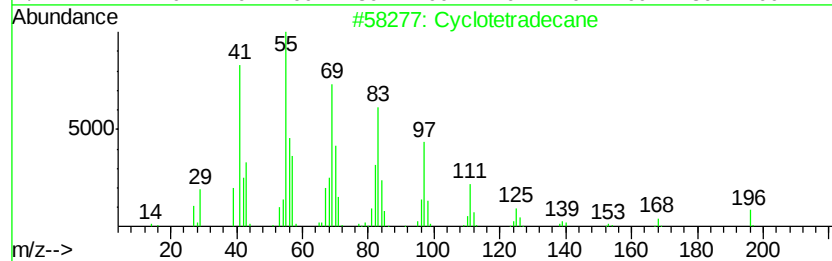
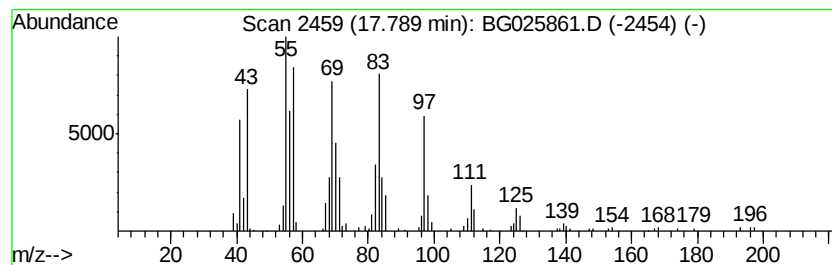
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclotetradecane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.79 | 2.30 ng | 211856 | Phenanthrene-d10 | 17.42 |

| Hit# of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------|-----|---------|-------------|------|
| 1       |   | Cyclotetradecane | 196 | C14H28  | 000295-17-0 | 94   |
| 2       |   | n-Pentadecanol   | 228 | C15H32O | 000629-76-5 | 91   |
| 3       |   | 1-Tetradecanol   | 214 | C14H30O | 000112-72-1 | 91   |
| 4       |   | 1-Hexadecanol    | 242 | C16H34O | 036653-82-4 | 91   |
| 5       |   | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 90   |



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Misc :  
ALS Vial : 10 Sample Multiplier: 1

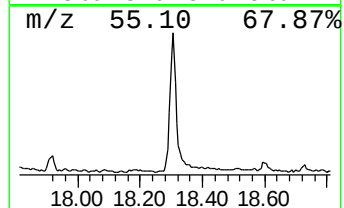
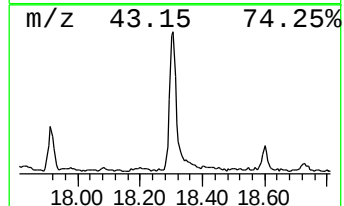
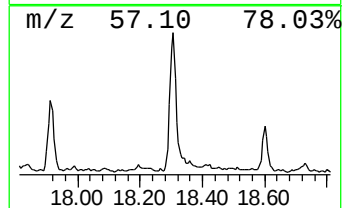
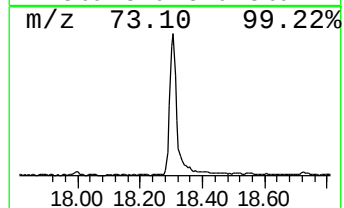
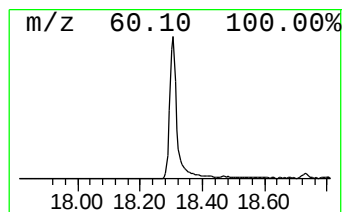
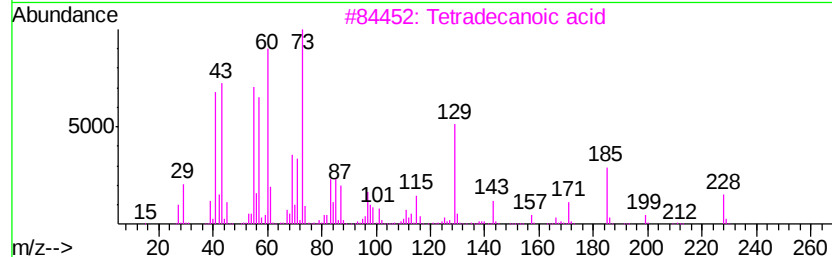
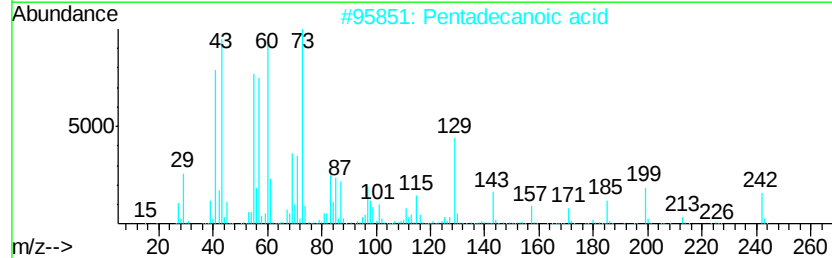
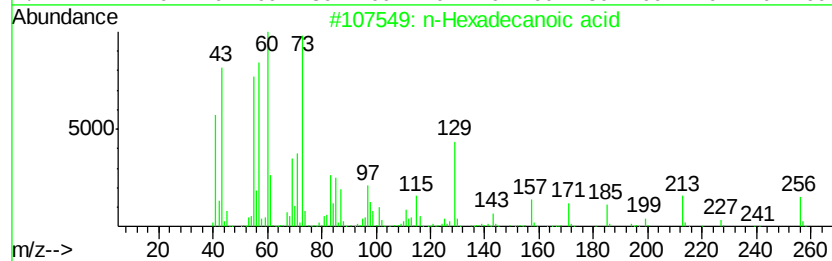
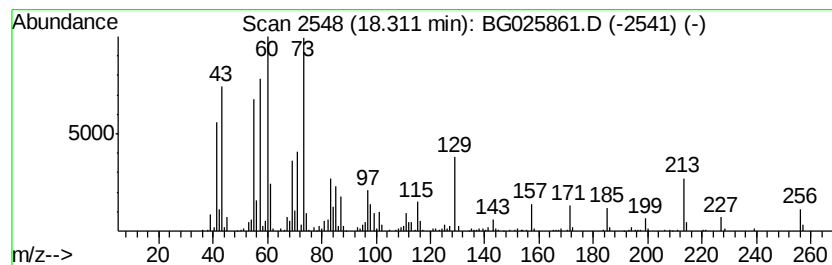
Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.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 n-Hexadecanoic acid Concentration Rank 2

| R.T.    | EstConc  | Area                | Relative to ISTD | R.T.           |
|---------|----------|---------------------|------------------|----------------|
| 18.31   | 10.93 ng | 1007040             | Phenanthrene-d10 | 17.42          |
| Hit# of | 5        | Tentative ID        | MW MolForm       | CAS# Qual      |
| 1       |          | n-Hexadecanoic acid | 256 C16H32O2     | 000057-10-3 99 |
| 2       |          | Pentadecanoic acid  | 242 C15H30O2     | 001002-84-2 91 |
| 3       |          | Tetradecanoic acid  | 228 C14H28O2     | 000544-63-8 83 |
| 4       |          | Tridecanoic acid    | 214 C13H26O2     | 000638-53-9 81 |
| 5       |          | Octadecanoic acid   | 284 C18H36O2     | 000057-11-4 70 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

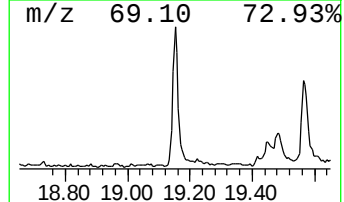
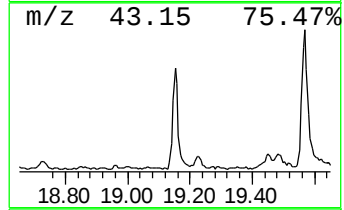
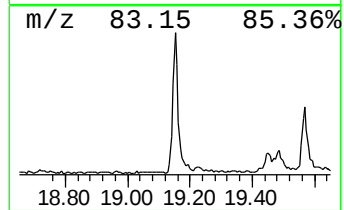
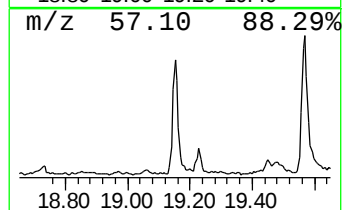
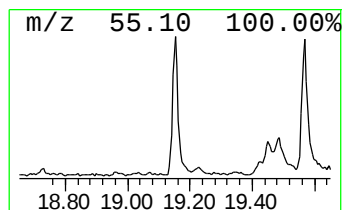
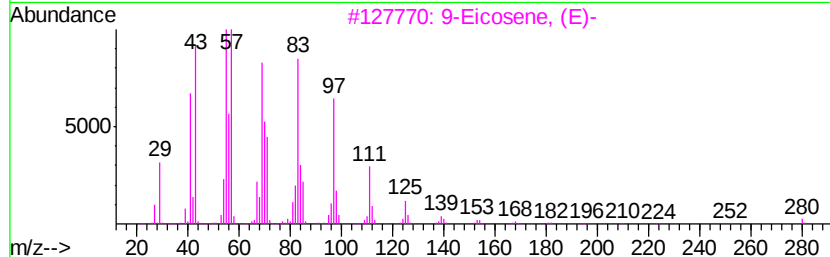
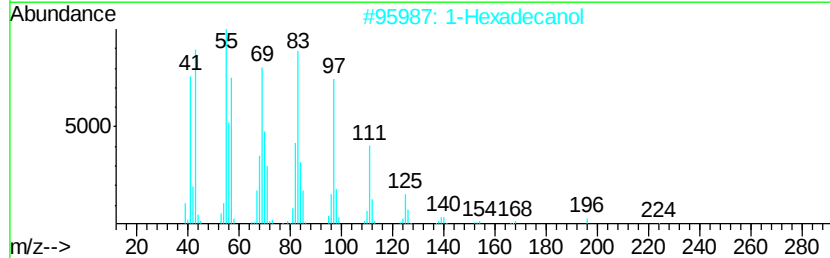
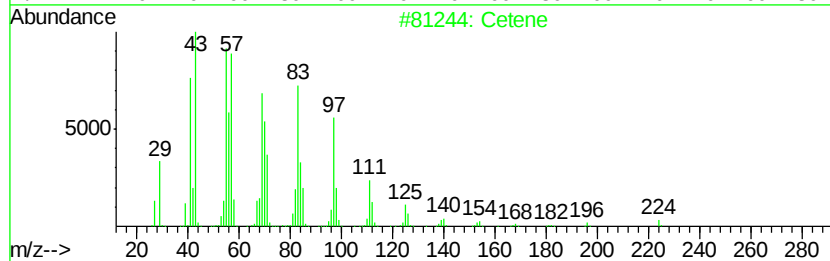
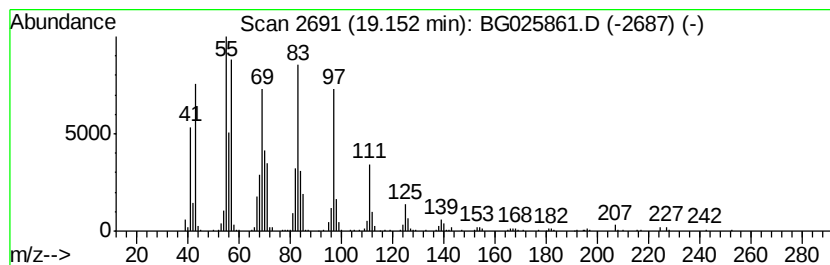
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BNA\_G  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Cetene Concentration Rank 5

| R.T.      | EstConc          | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------|--------|------------------|-------------|-------|
| 19.15     | 6.09 ng          | 561303 | Phenanthrene-d10 |             | 17.42 |
| Hit# of 5 | Tentative ID     | MW     | MolForm          | CAS#        | Qual  |
| 1         | Cetene           | 224    | C16H32           | 000629-73-2 | 94    |
| 2         | 1-Hexadecanol    | 242    | C16H34O          | 036653-82-4 | 94    |
| 3         | 9-Eicosene, (E)- | 280    | C20H40           | 074685-29-3 | 94    |
| 4         | n-Heptadecanol-1 | 256    | C17H36O          | 001454-85-9 | 94    |
| 5         | n-Nonadecanol-1  | 284    | C19H40O          | 001454-84-8 | 93    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

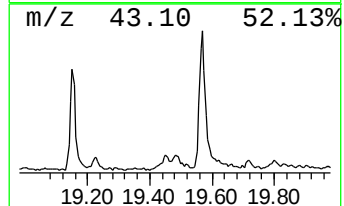
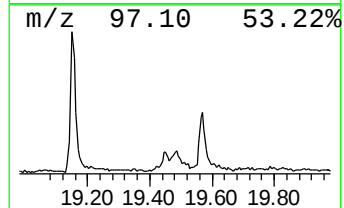
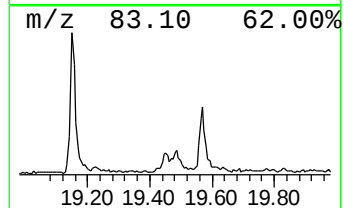
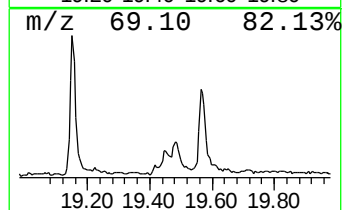
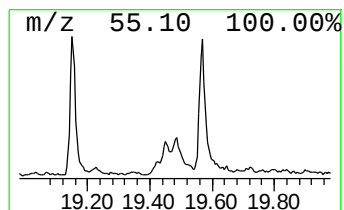
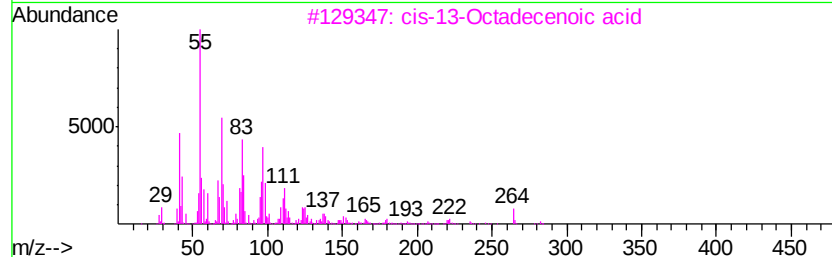
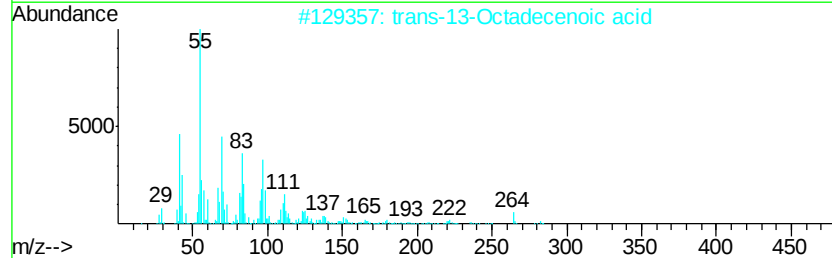
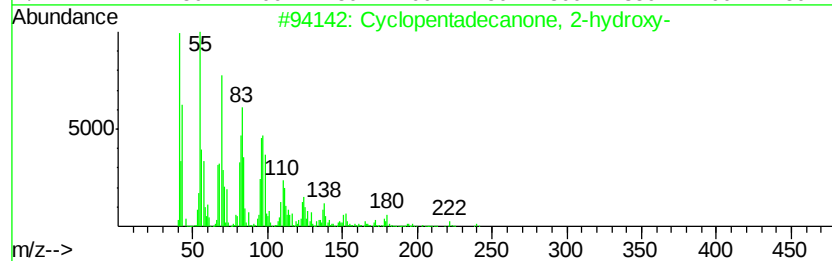
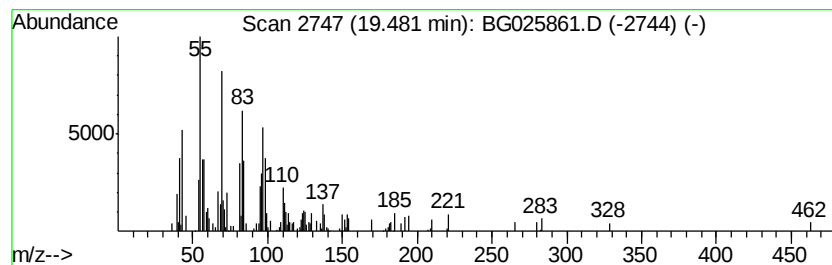
Instrument :  
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ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.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 Cyclopentadecanone, 2-hydroxy- Concentration Rank 9

| R.T.    | EstConc | Area                           | Relative to ISTD |          | R.T.        |      |
|---------|---------|--------------------------------|------------------|----------|-------------|------|
| 19.48   | 2.87 ng | 264664                         | Phenanthrene-d10 |          | 17.42       |      |
| Hit# of | 5       | Tentative ID                   | MW               | MolForm  | CAS#        | Qual |
| 1       |         | Cyclopentadecanone, 2-hydroxy- | 240              | C15H28O2 | 004727-18-8 | 83   |
| 2       |         | trans-13-Octadecenoic acid     | 282              | C18H34O2 | 000693-71-0 | 58   |
| 3       |         | cis-13-Octadecenoic acid       | 282              | C18H34O2 | 013126-39-1 | 58   |
| 4       |         | cis-Vaccenic acid              | 282              | C18H34O2 | 000506-17-2 | 58   |
| 5       |         | 4-Nonene, 5-butyl-             | 182              | C13H26   | 007367-38-6 | 58   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

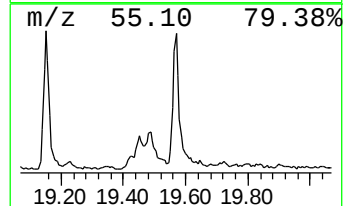
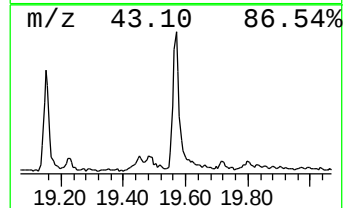
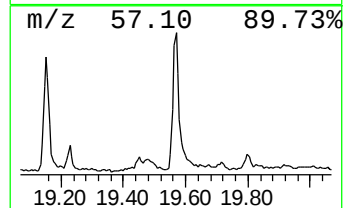
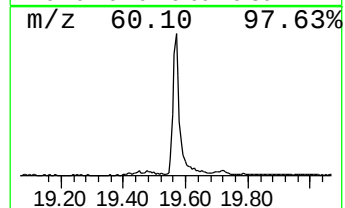
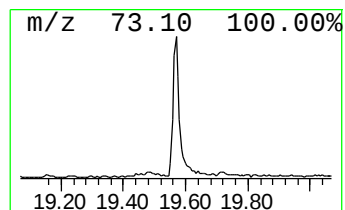
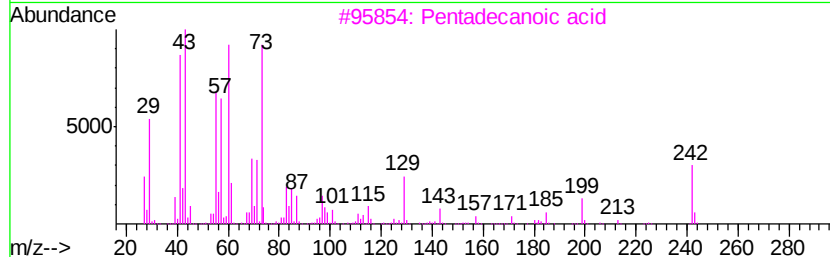
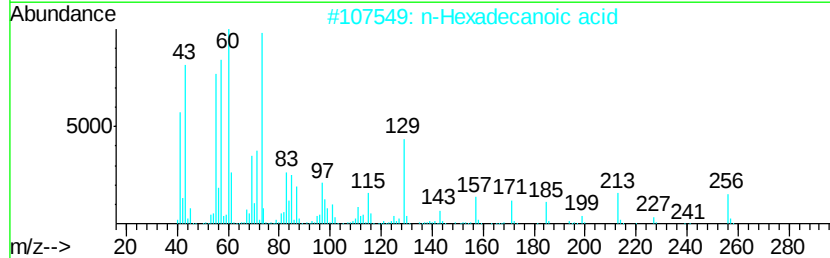
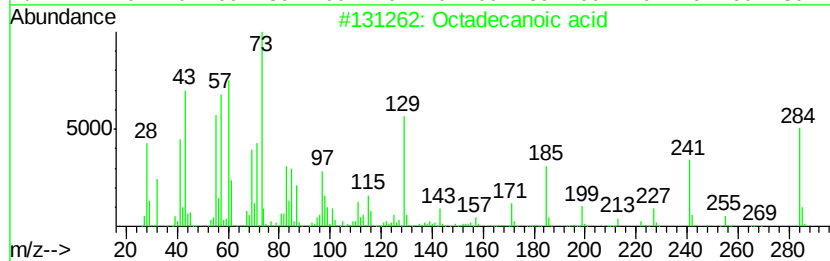
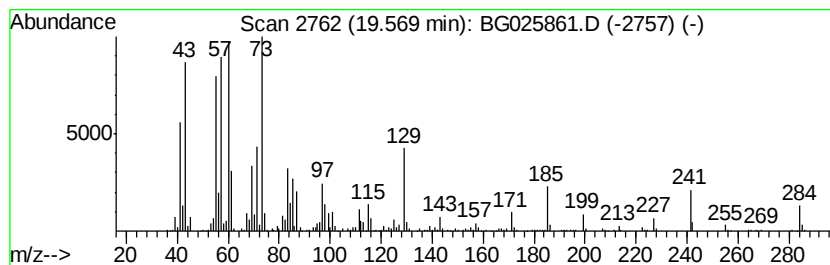
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.57 | 9.51 ng | 999584 | Chrysene-d12     | 21.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3 | 93   |
| 3    |    | Pentadecanoic acid                  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 4    |    | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 87   |
| 5    |    | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5 | 86   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

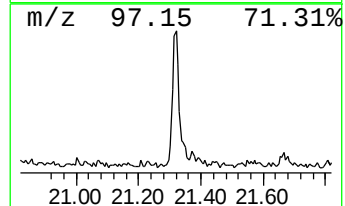
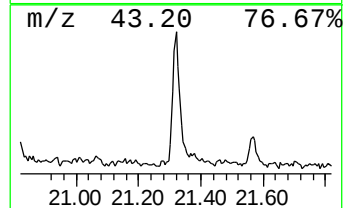
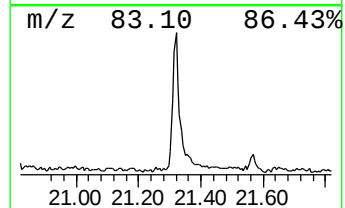
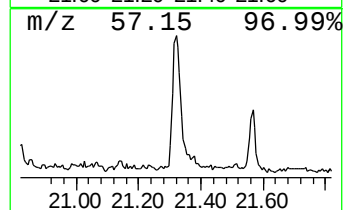
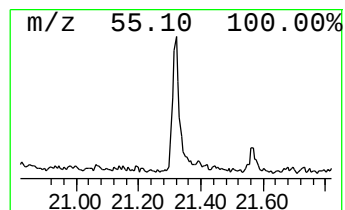
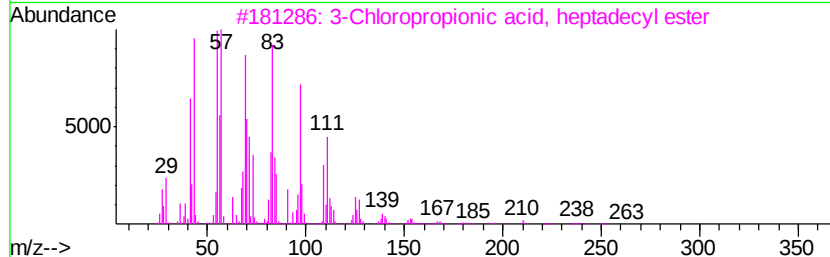
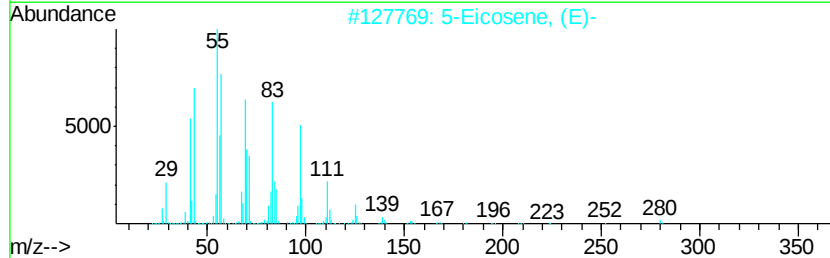
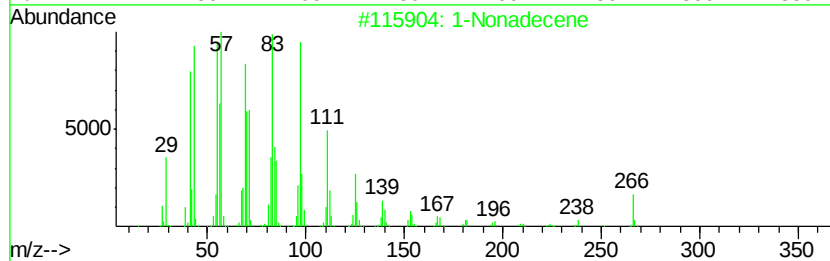
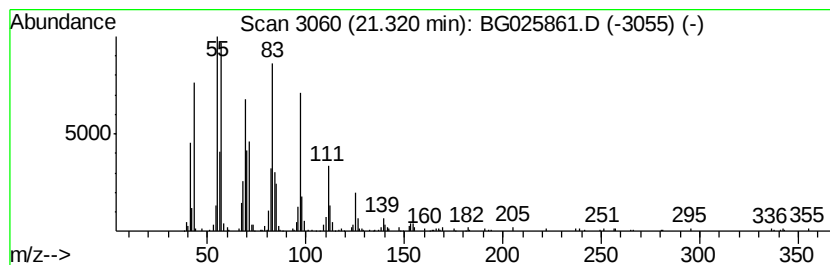
Instrument :  
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ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.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 9 1-Nonadecene Concentration Rank 10

| R.T.    | EstConc                             | Area            | Relative to ISTD | R.T.      |
|---------|-------------------------------------|-----------------|------------------|-----------|
| 21.32   | 2.68 ng                             | 281120          | Chrysene-d12     | 21.67     |
| Hit# of | 5                                   | Tentative ID    | MW MolForm       | CAS# Qual |
| 1       | 1-Nonadecene                        | 266 C19H38      | 018435-45-5      | 99        |
| 2       | 5-Eicosene, (E)-                    | 280 C20H40      | 074685-30-6      | 99        |
| 3       | 3-Chloropropionic acid, heptadec... | 346 C20H39ClO2  | 1000283-05-1     | 94        |
| 4       | 1-Octadecanol                       | 270 C18H38O     | 000112-92-5      | 93        |
| 5       | Trichloroacetic acid, tetradecyl... | 358 C16H29Cl3O2 | 074339-52-9      | 91        |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

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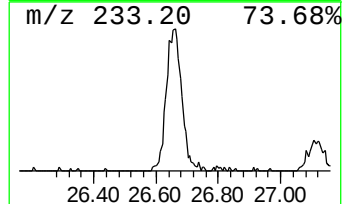
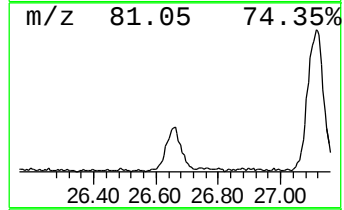
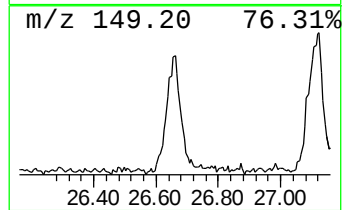
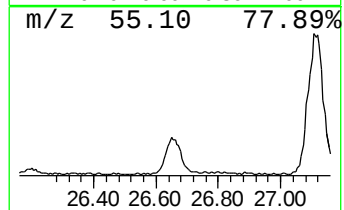
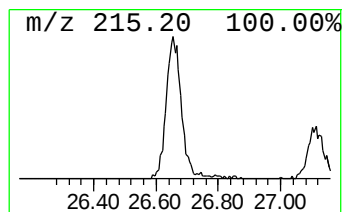
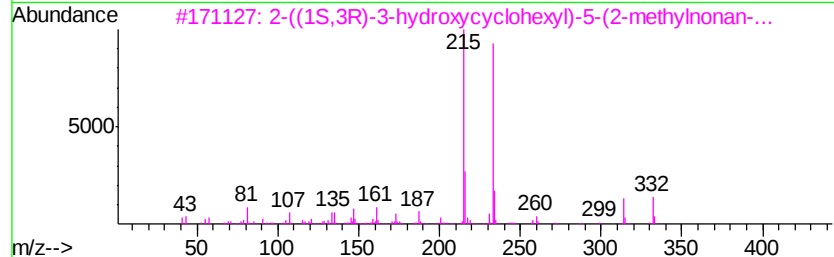
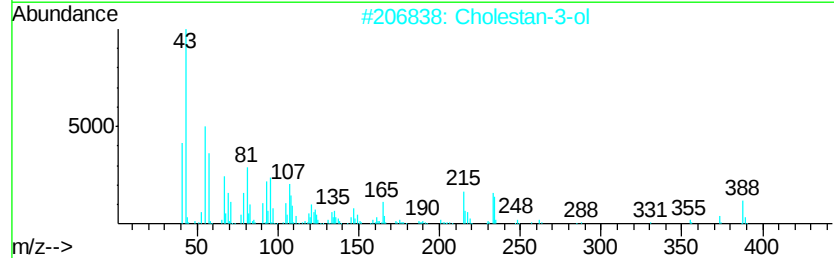
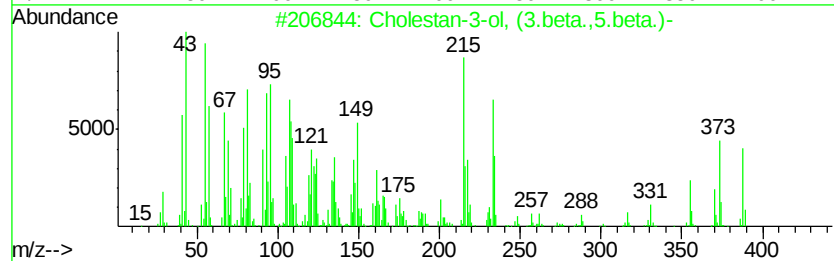
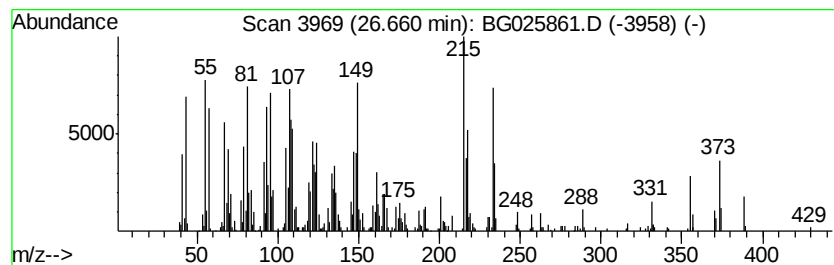
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Cholestan-3-ol, (3.beta.,5.... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.66 | 8.47 ng | 876796 | Perylene-d12     | 24.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Cholestan-3-ol, (3.beta.,5.beta.)-  | 388 | C27H48O  | 000360-68-9  | 90   |
| 2    |    | Cholestan-3-ol                      | 388 | C27H48O  | 027409-41-2  | 81   |
| 3    |    | 2-((1S,3R)-3-hydroxycyclohexyl)-... | 332 | C22H36O2 | 1000372-26-4 | 52   |
| 4    |    | 2-((1S,3S)-3-hydroxycyclohexyl)-... | 332 | C22H36O2 | 1000372-26-3 | 52   |
| 5    |    | cis-3-[2-Hydroxy-4-(2-methyl-2-n... | 332 | C22H36O2 | 1000370-41-9 | 50   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

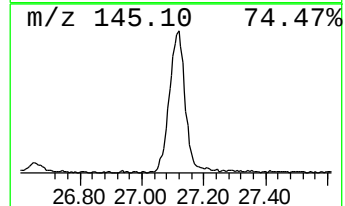
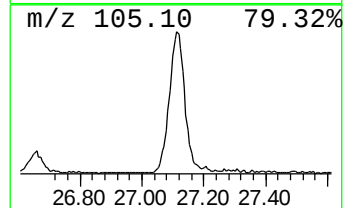
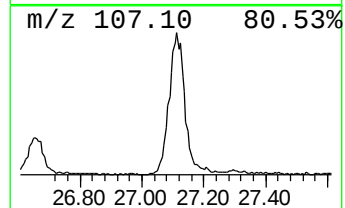
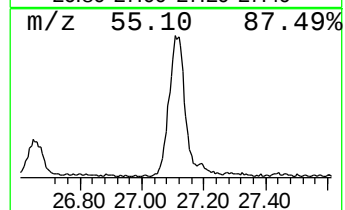
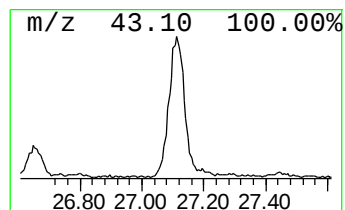
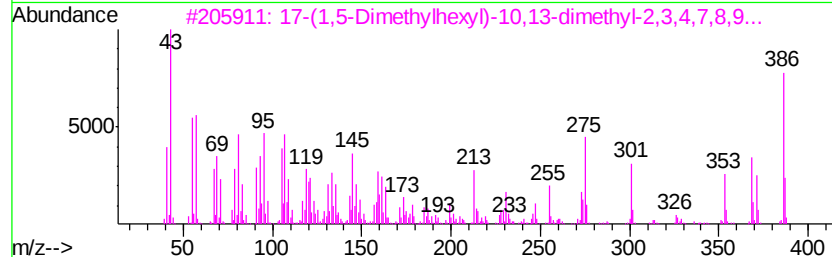
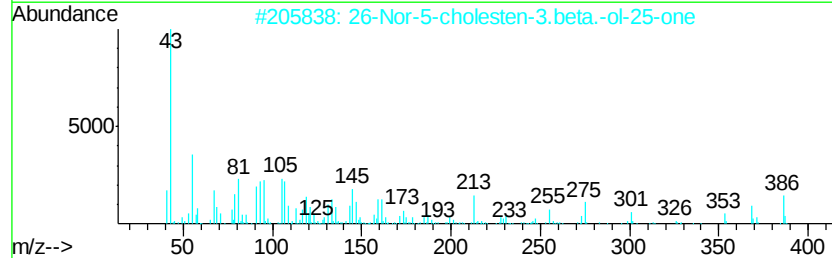
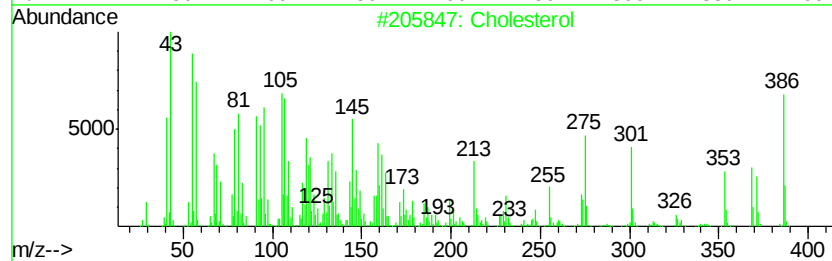
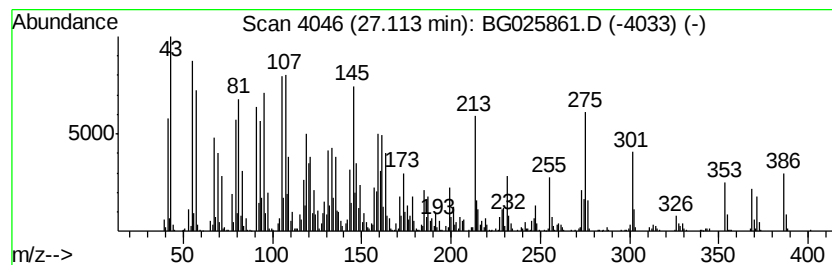
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cholesterol Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 27.11 | 39.81 ng | 4121430 | Perylene-d12     | 24.88 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cholesterol                         | 386 | C27H46O    | 000057-88-5  | 99   |
| 2    |    | 26-Nor-5-cholesten-3.beta.-ol-25... | 386 | C26H42O2   | 007494-34-0  | 99   |
| 3    |    | 17-(1,5-Dimethylhexyl)-10,13-dim... | 386 | C27H46O    | 1000210-38-4 | 91   |
| 4    |    | 2,3,6-Trifluorobenzyl alcohol, c... | 274 | C9H4ClF5O2 | 1000376-27-5 | 15   |
| 5    |    | Silane, chlorodiisopropylethyl-     | 178 | C8H19ClSi  | 1000305-87-7 | 15   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
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Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

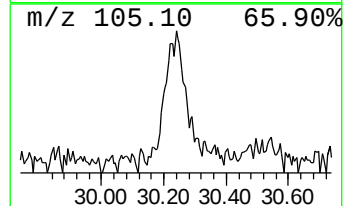
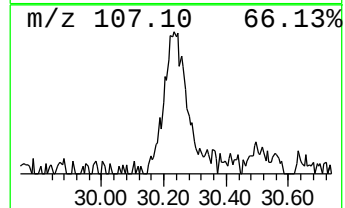
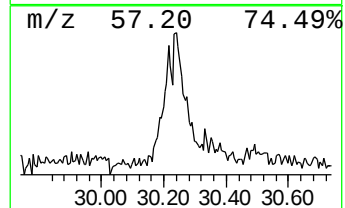
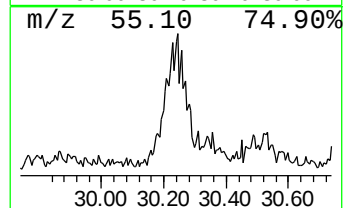
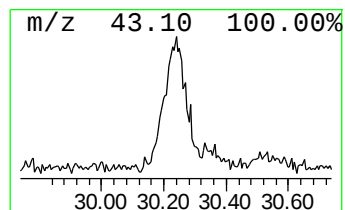
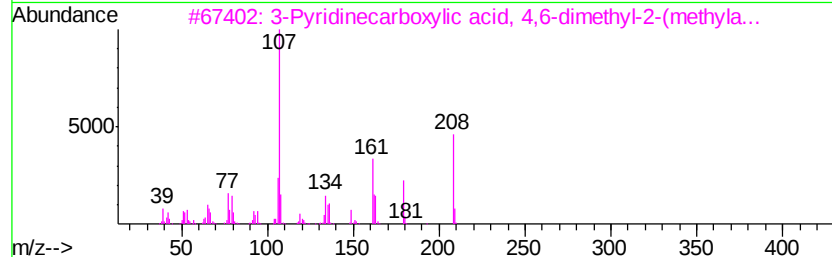
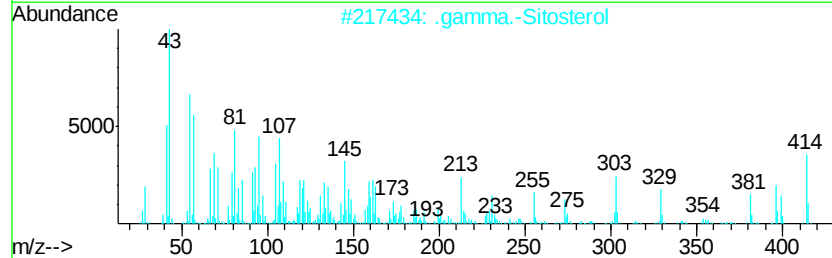
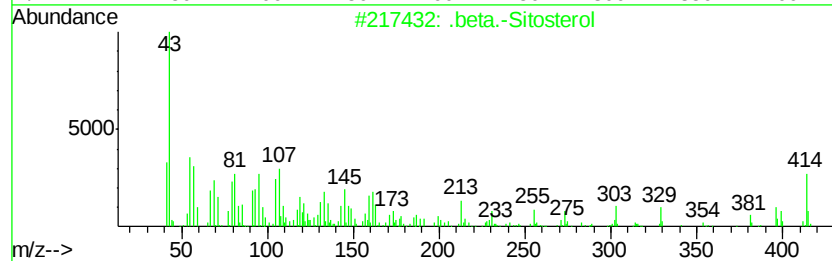
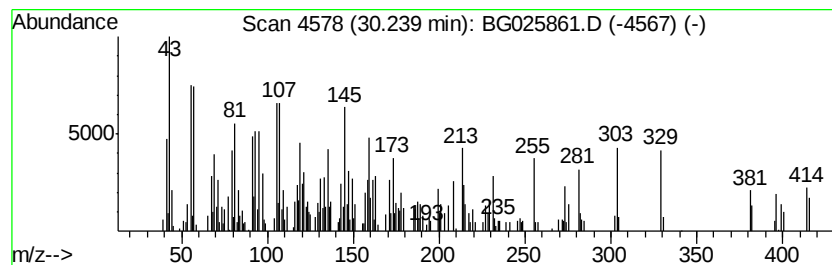
Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 .beta.-Sitosterol Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 30.24   | 4.07 ng | 421709                              | Perylene-d12     | 24.88      |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | .beta.-Sitosterol                   | 414              | C29H50O    | 000083-46-5  | 90   |
| 2       |         | .gamma.-Sitosterol                  | 414              | C29H50O    | 000083-47-6  | 58   |
| 3       |         | 3-Pyridinecarboxylic acid, 4,6-d... | 208              | C11H16N2O2 | 1000349-78-1 | 25   |
| 4       |         | 2,6-Bis(3-(pyrid-2-yl)-2-azaprop... | 319              | C19H21N5   | 090719-79-2  | 22   |
| 5       |         | Ethyl 4-ethoxyphenylacetate         | 208              | C12H16O3   | 040784-88-1  | 22   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021717\  
Data File : BG025861.D  
Acq On : 17 Feb 2017 16:16  
Operator : SJ/MA  
Sample : I1880-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MANHOLE

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.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 |
| Xenon                 | 7.61  | 2.4     | ng    | 66644    | 1                     | 8.09  | 545148  | 20.0 |
| Dodecanoic acid       | 15.09 | 3.0     | ng    | 211078   | 3                     | 14.69 | 1387970 | 20.0 |
| Cyclotetradecane      | 17.79 | 2.3     | ng    | 211856   | 4                     | 17.42 | 1842380 | 20.0 |
| n-Hexadecanoic acid   | 18.31 | 10.9    | ng    | 1007040  | 4                     | 17.42 | 1842380 | 20.0 |
| Cetene                | 19.15 | 6.1     | ng    | 561303   | 4                     | 17.42 | 1842380 | 20.0 |
| Cyclopentadecanon...  | 19.48 | 2.9     | ng    | 264664   | 4                     | 17.42 | 1842380 | 20.0 |
| Octadecanoic acid     | 19.57 | 9.5     | ng    | 999584   | 5                     | 21.67 | 2101660 | 20.0 |
| 1-Nonadecene          | 21.32 | 2.7     | ng    | 281120   | 5                     | 21.67 | 2101660 | 20.0 |
| Cholestan-3-ol, (...) | 26.66 | 8.5     | ng    | 876796   | 6                     | 24.88 | 2070470 | 20.0 |
| Cholesterol           | 27.11 | 39.8    | ng    | 4121430  | 6                     | 24.88 | 2070470 | 20.0 |
| .beta.-Sitosterol     | 30.24 | 4.1     | ng    | 421709   | 6                     | 24.88 | 2070470 | 20.0 |