

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
 Data File : BG044213.D  
 Acq On : 27 Jan 2020 13:24  
 Operator : CG/JU  
 Sample : L1173-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0049-DECANT-H2O-COMP-1

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.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         | 5.508       | 404           | 412         | 424          | rBV      | 772596         | 1276068       | 19.89%          | 3.840%        |
| 2         | 7.100       | 675           | 683         | 701          | rBV      | 549557         | 1071072       | 16.70%          | 3.223%        |
| 3         | 7.928       | 817           | 824         | 832          | rBV      | 366087         | 625102        | 9.74%           | 1.881%        |
| 4         | 8.252       | 871           | 879         | 888          | rBV      | 1400996        | 2462114       | 38.38%          | 7.409%        |
| 5         | 9.086       | 1009          | 1021        | 1030         | rBV      | 1115521        | 2057688       | 32.08%          | 6.192%        |
| 6         | 10.731      | 1293          | 1301        | 1314         | rBV      | 519575         | 948921        | 14.79%          | 2.856%        |
| 7         | 13.187      | 1712          | 1719        | 1734         | rBV      | 3121488        | 5226918       | 81.48%          | 15.730%       |
| 8         | 14.015      | 1854          | 1860        | 1874         | rBV      | 109426         | 192905        | 3.01%           | 0.581%        |
| 9         | 14.568      | 1945          | 1954        | 1960         | rBV      | 855534         | 1421183       | 22.15%          | 4.277%        |
| 10        | 14.626      | 1960          | 1964        | 1973         | rVB      | 51567          | 92708         | 1.45%           | 0.279%        |
| 11        | 16.054      | 2199          | 2207        | 2225         | rBV      | 2364719        | 3723432       | 58.04%          | 11.205%       |
| 12        | 17.306      | 2414          | 2420        | 2434         | rBV      | 962702         | 1584370       | 24.70%          | 4.768%        |
| 13        | 19.926      | 2859          | 2866        | 2879         | rBV      | 4766224        | 6415039       | 100.00%         | 19.305%       |
| 14        | 21.236      | 3083          | 3089        | 3100         | rBV      | 110548         | 264228        | 4.12%           | 0.795%        |
| 15        | 21.560      | 3137          | 3144        | 3152         | rBV      | 953453         | 1629301       | 25.40%          | 4.903%        |
| 16        | 21.765      | 3175          | 3179        | 3186         | rVB      | 88915          | 127806        | 1.99%           | 0.385%        |
| 17        | 22.359      | 3274          | 3280        | 3287         | rBV      | 159262         | 267736        | 4.17%           | 0.806%        |
| 18        | 23.034      | 3384          | 3395        | 3402         | rVB      | 195484         | 394055        | 6.14%           | 1.186%        |
| 19        | 23.216      | 3419          | 3426        | 3438         | rVB      | 132857         | 258285        | 4.03%           | 0.777%        |
| 20        | 23.810      | 3520          | 3527        | 3541         | rVB2     | 204541         | 435725        | 6.79%           | 1.311%        |
| 21        | 24.668      | 3660          | 3673        | 3679         | rBV      | 598572         | 1681731       | 26.22%          | 5.061%        |
| 22        | 24.726      | 3680          | 3683        | 3695         | rVB3     | 202257         | 419507        | 6.54%           | 1.262%        |
| 23        | 25.819      | 3858          | 3869        | 3879         | rBV2     | 136265         | 412164        | 6.42%           | 1.240%        |
| 24        | 27.129      | 4082          | 4092        | 4103         | rVB2     | 65824          | 241405        | 3.76%           | 0.726%        |

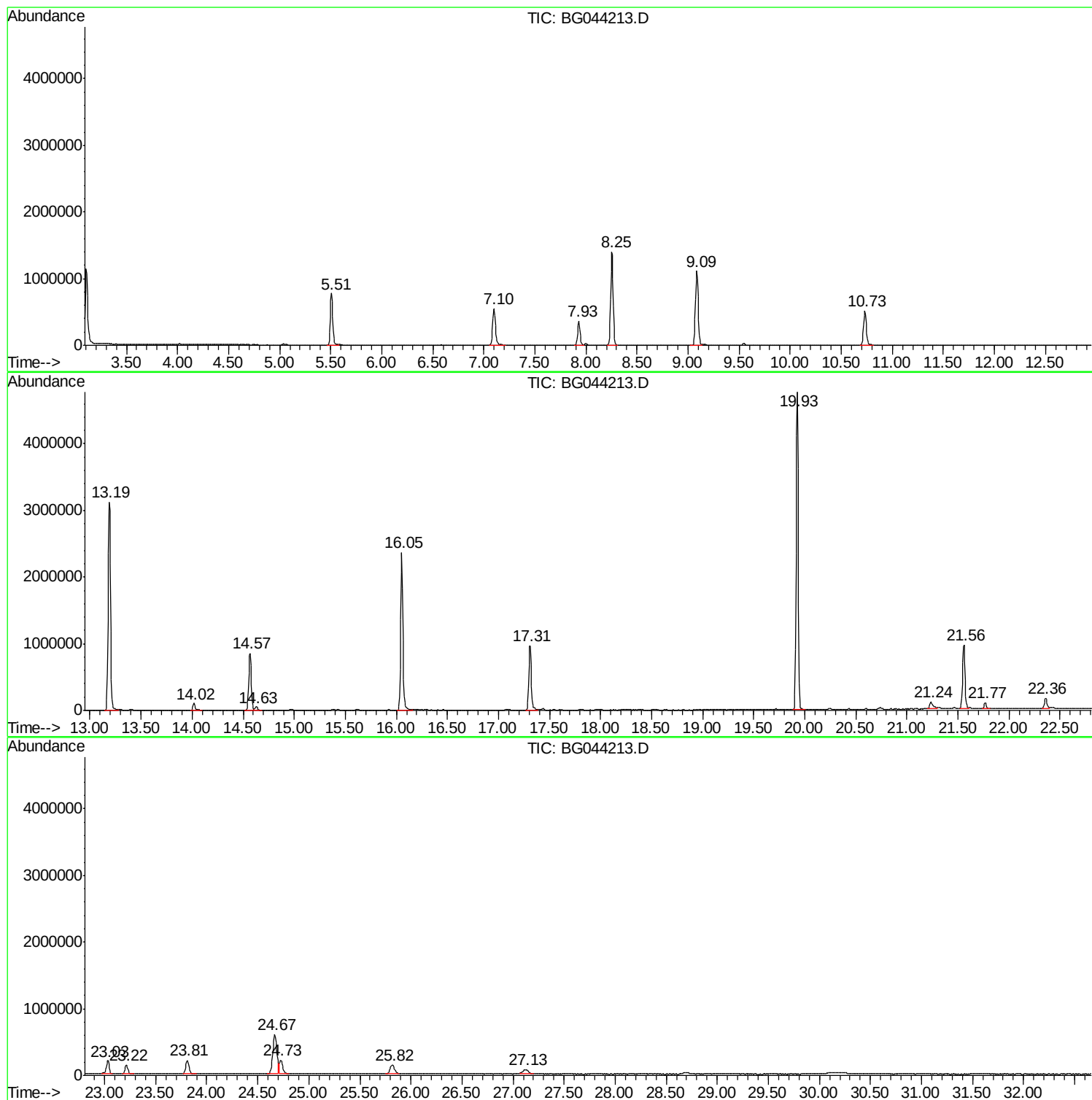
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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.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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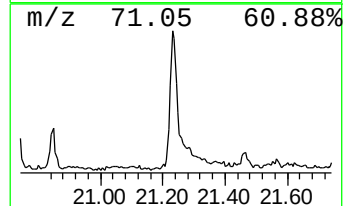
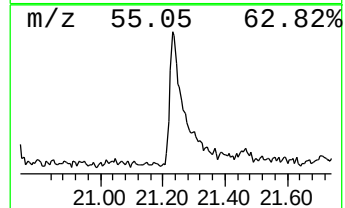
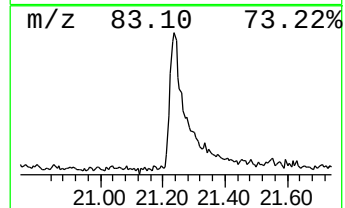
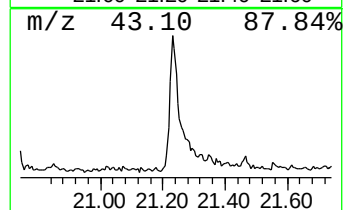
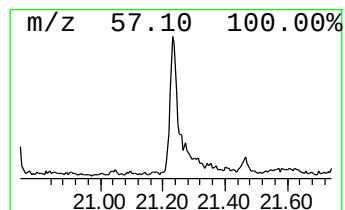
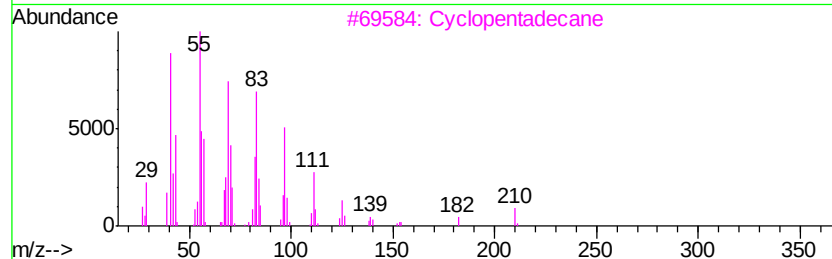
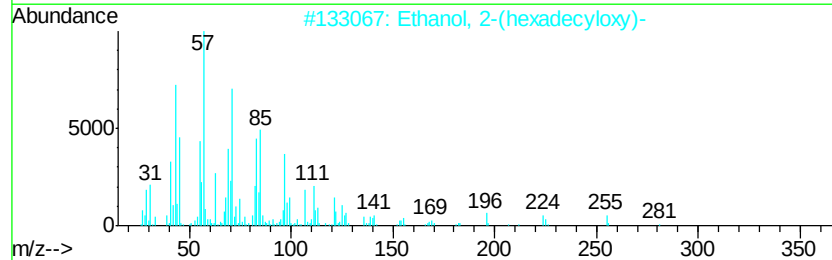
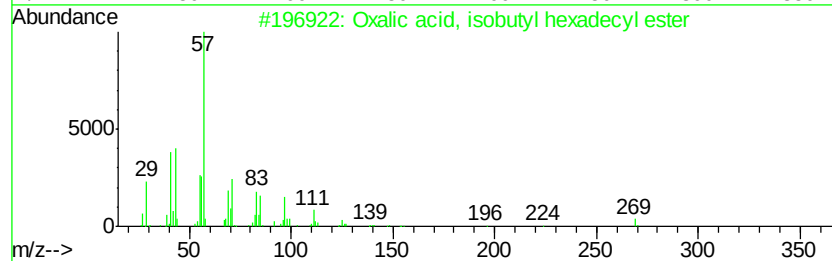
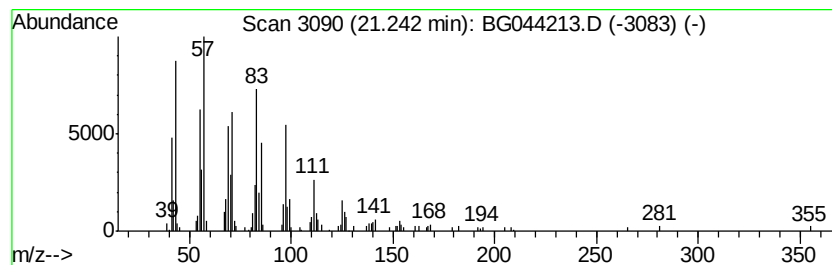
Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

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

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Peak Number 2 Oxalic acid, isobutyl hexad... Concentration Rank 7

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.     |              |      |
|---------|---------|-------------------------------------|------------------|----------|--------------|------|
| 21.24   | 3.24 ng | 264228                              | Chrysene-d12     | 21.56    |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm  | CAS#         | Qual |
| 1       |         | Oxalic acid, isobutyl hexadecyl ... | 370              | C22H42O4 | 1000309-38-1 | 91   |
| 2       |         | Ethanol, 2-(hexadecyloxy)-          | 286              | C18H38O2 | 002136-71-2  | 91   |
| 3       |         | Cyclopentadecane                    | 210              | C15H30   | 000295-48-7  | 90   |
| 4       |         | 1-Dodecanol, 2-hexyl-               | 270              | C18H38O  | 110225-00-8  | 90   |
| 5       |         | Oxalic acid, isobutyl tetradecyl... | 342              | C20H38O4 | 1000309-37-9 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
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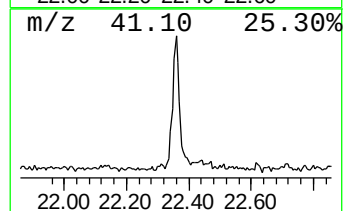
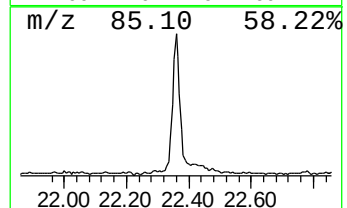
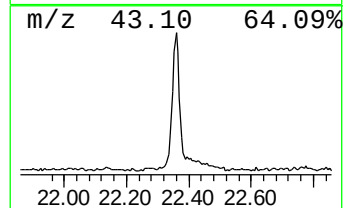
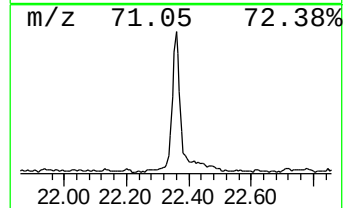
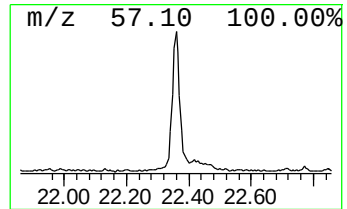
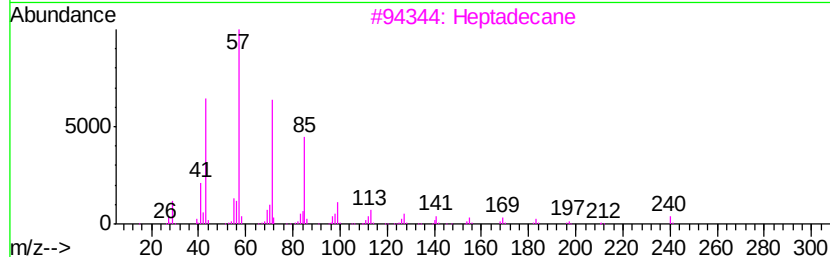
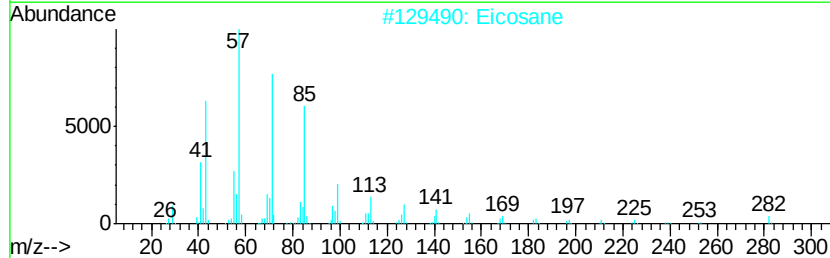
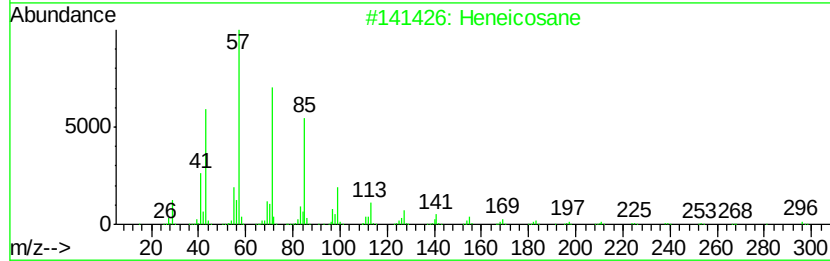
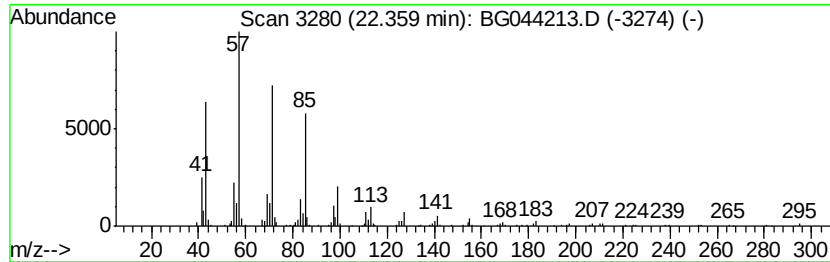
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heneicosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.36 | 3.29 ng | 267736 | Chrysene-d12     | 21.56 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane    |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Eicosane       |              | 282 | C20H42  | 000112-95-8 | 87   |
| 3       | Heptadecane    |              | 240 | C17H36  | 000629-78-7 | 80   |
| 4       | Hexacosane     |              | 366 | C26H54  | 000630-01-3 | 76   |
| 5       | Hentriacontane |              | 437 | C31H64  | 000630-04-6 | 74   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
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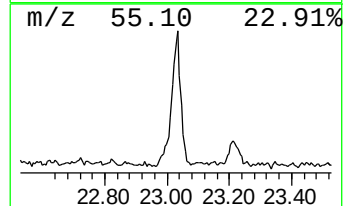
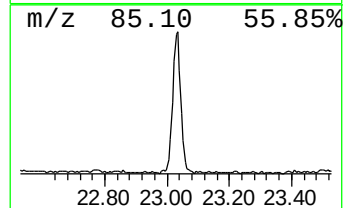
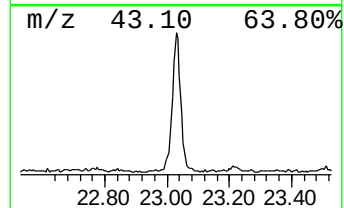
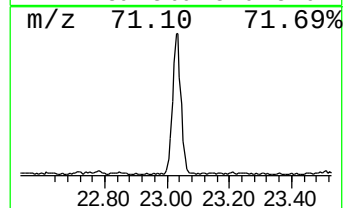
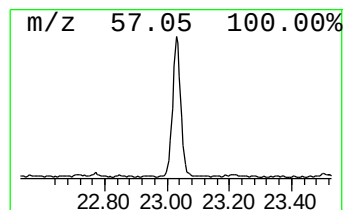
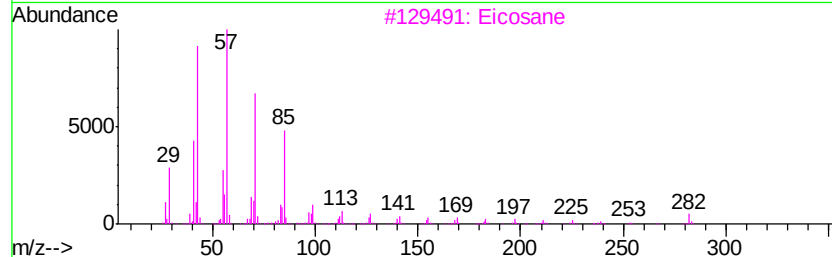
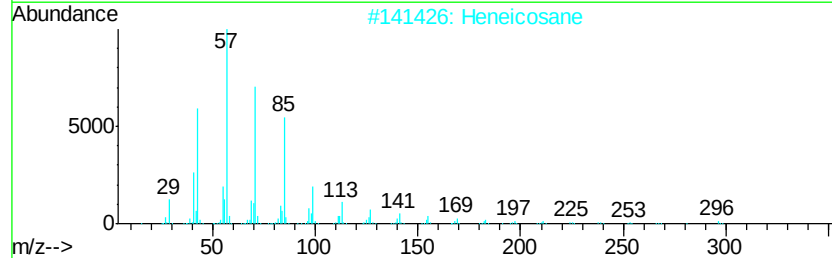
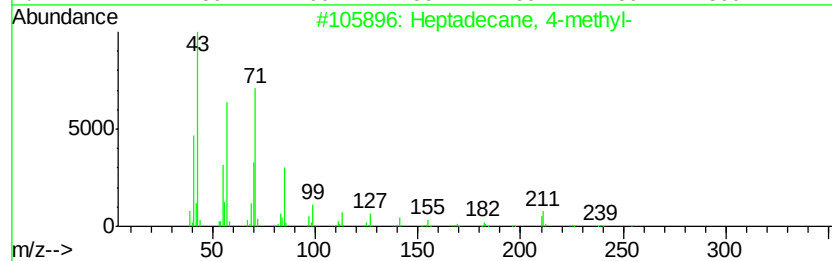
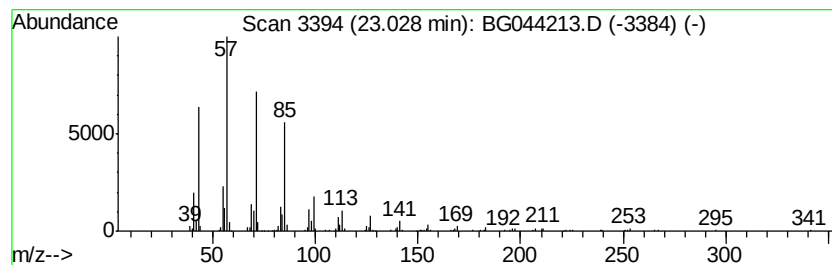
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptadecane, 4-methyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.03 | 4.84 ng | 394055 | Chrysene-d12     | 21.56 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------|-----|---------|-------------|------|
| 1       |   | Heptadecane, 4-methyl- | 254 | C18H38  | 026429-11-8 | 91   |
| 2       |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3       |   | Eicosane               | 282 | C20H42  | 000112-95-8 | 91   |
| 4       |   | Hexacosane             | 366 | C26H54  | 000630-01-3 | 91   |
| 5       |   | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

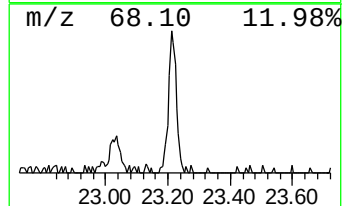
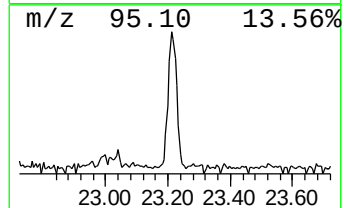
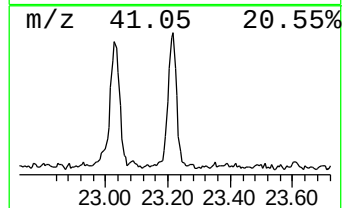
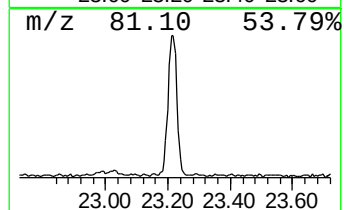
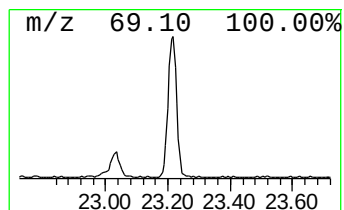
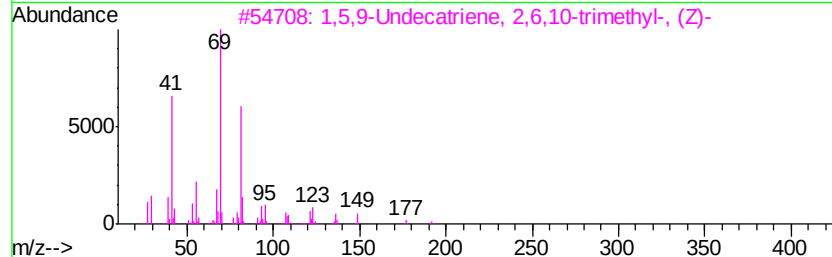
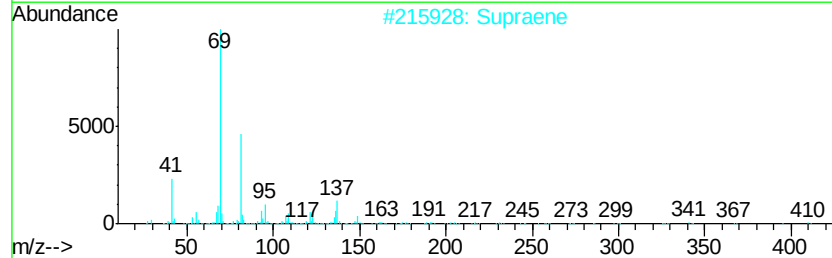
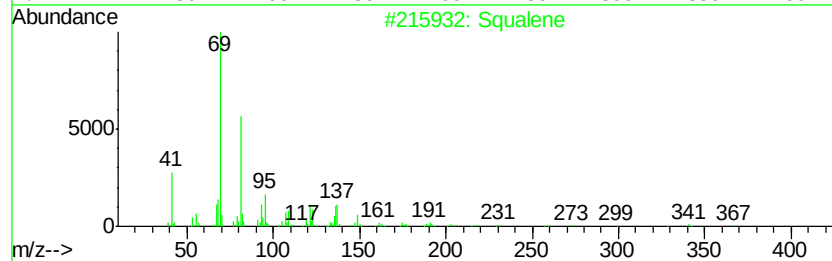
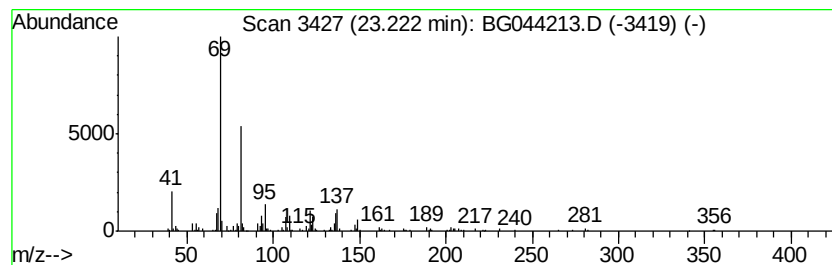
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Squalene Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.22 | 3.07 ng | 258285 | Perylene-d12     | 24.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50   | 000111-02-4  | 91   |
| 2    |    | Supraene                            | 410 | C30H50   | 007683-64-9  | 87   |
| 3    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24   | 062951-96-6  | 83   |
| 4    |    | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O  | 1000163-04-7 | 83   |
| 5    |    | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6  | 72   |



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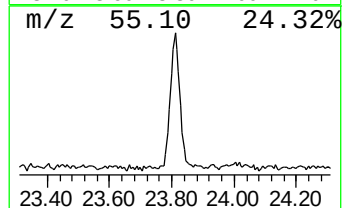
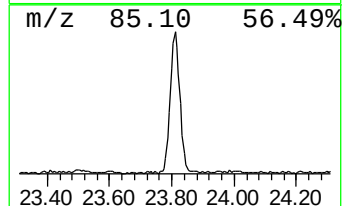
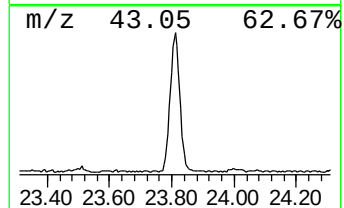
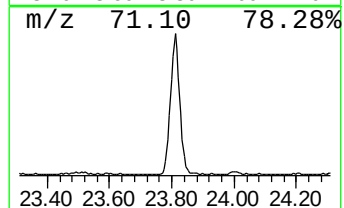
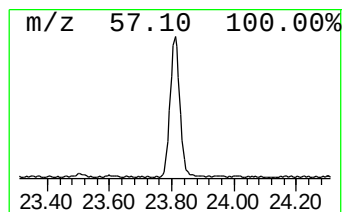
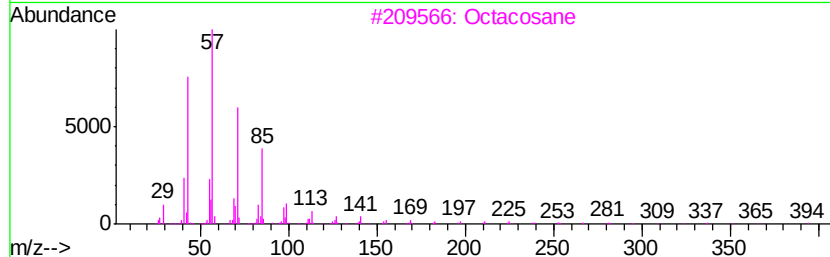
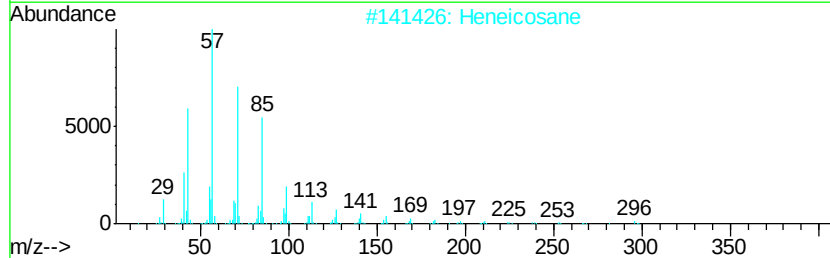
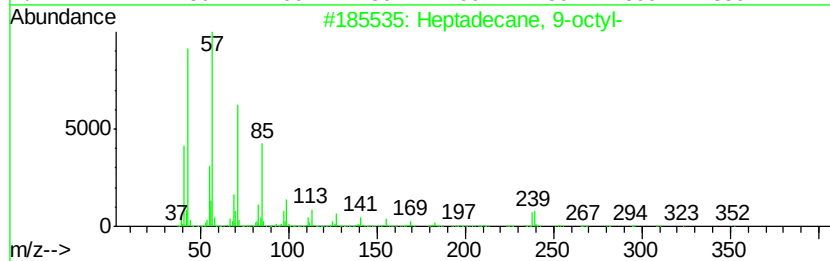
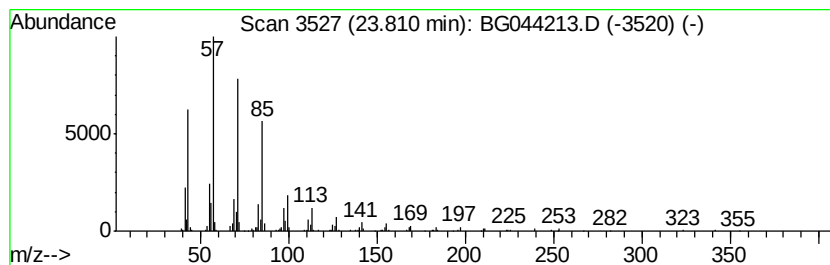
Instrument :  
BNA\_G  
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Peak Number 6 Heptadecane, 9-octyl- Concentration Rank 2

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.         |      |
|-----------|-----------------------|--------|------------------|--------------|------|
| 23.81     | 5.18 ng               | 435725 | Perylene-d12     | 24.67        |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptadecane, 9-octyl- | 352    | C25H52           | 007225-64-1  | 91   |
| 2         | Heneicosane           | 296    | C21H44           | 000629-94-7  | 91   |
| 3         | Octacosane            | 394    | C28H58           | 000630-02-4  | 91   |
| 4         | 2-methyloctacosane    | 408    | C29H60           | 1000376-72-8 | 91   |
| 5         | Hexacosane            | 366    | C26H54           | 000630-01-3  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
 Data File : BG044213.D  
 Acq On : 27 Jan 2020 13:24  
 Operator : CG/JU  
 Sample : L1173-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

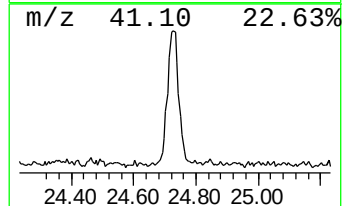
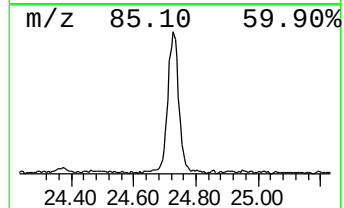
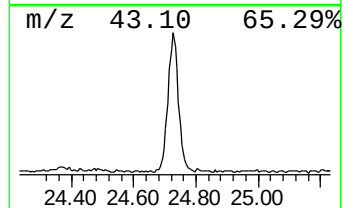
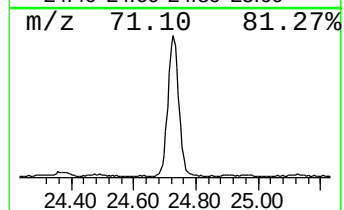
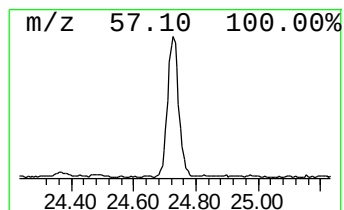
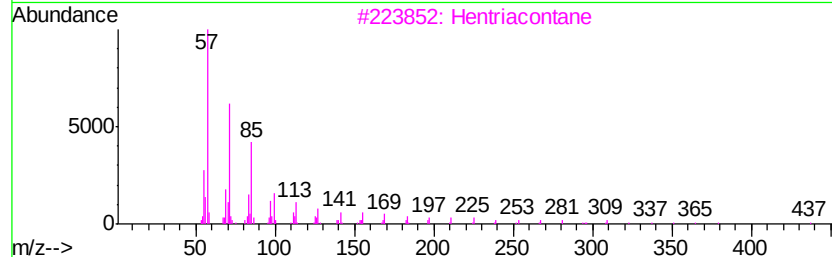
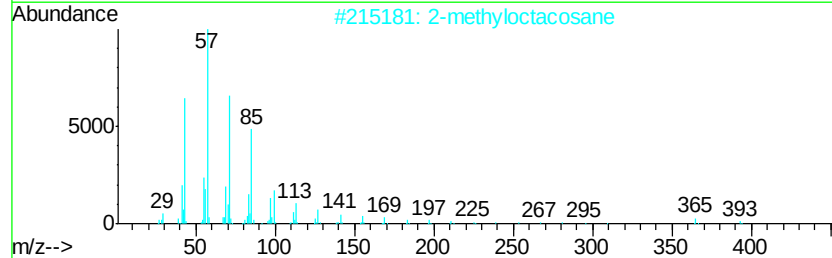
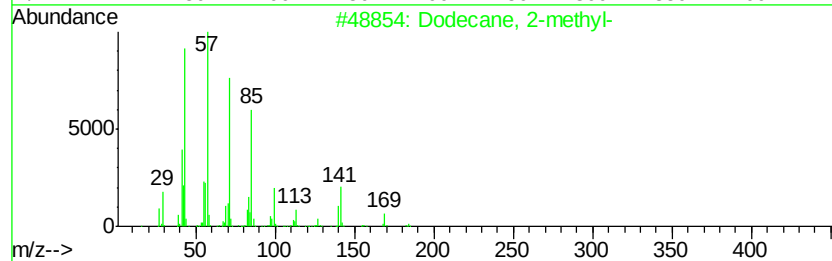
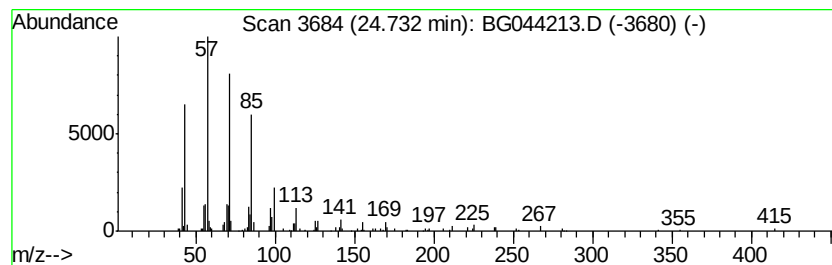
TIC Library : C:\Database\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 7 Dodecane, 2-methyl- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.73 | 4.99 ng | 419507 | Perylene-d12     | 24.67 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0  | 93   |
| 2    |    | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 90   |
| 3    |    | Hentriacontane      | 437 | C31H64  | 000630-04-6  | 90   |
| 4    |    | Heneicosane         | 296 | C21H44  | 000629-94-7  | 87   |
| 5    |    | Nonadecane          | 268 | C19H40  | 000629-92-5  | 87   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
Data File : BG044213.D  
Acq On : 27 Jan 2020 13:24  
Operator : CG/JU  
Sample : L1173-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

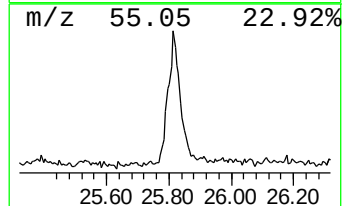
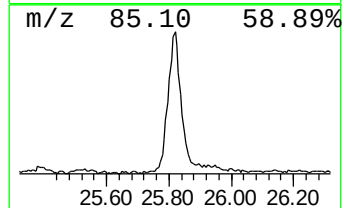
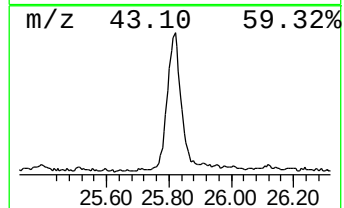
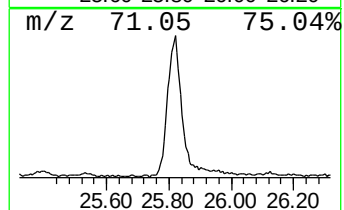
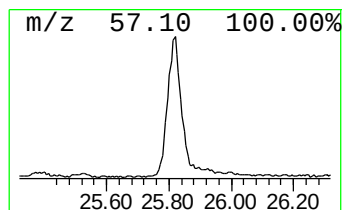
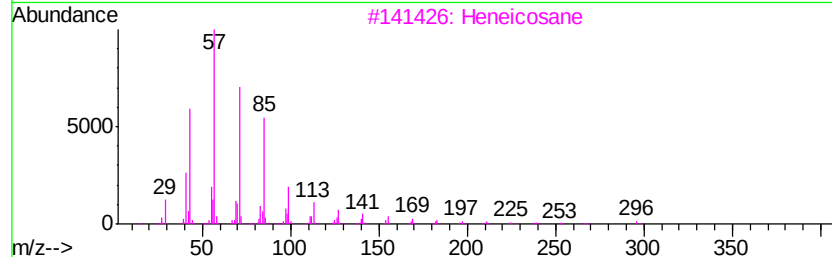
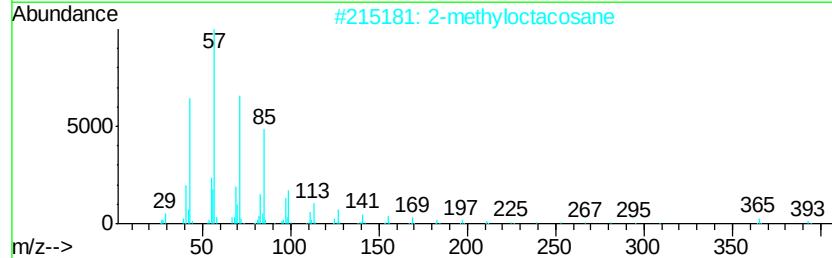
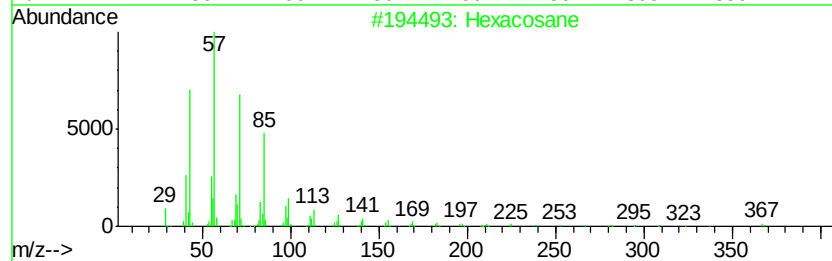
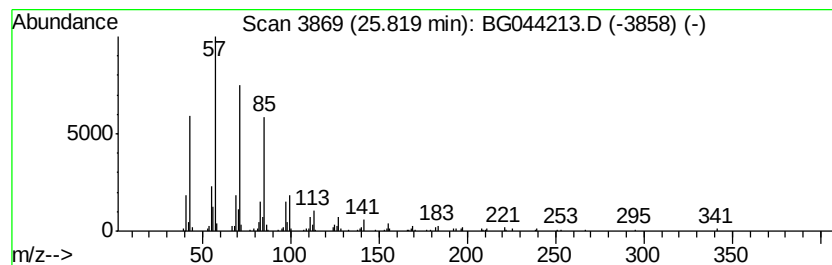
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Hexacosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.82 | 4.90 ng | 412164 | Perylene-d12     | 24.67 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane                       | 366 | C26H54  | 000630-01-3  | 94   |
| 2    |    | 2-methyloctacosane               | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    | Tetracosane                      | 338 | C24H50  | 000646-31-1  | 91   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
Data File : BG044213.D  
Acq On : 27 Jan 2020 13:24  
Operator : CG/JU  
Sample : L1173-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

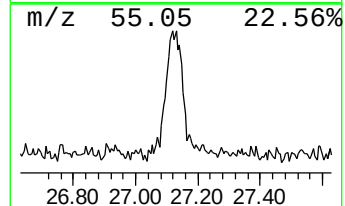
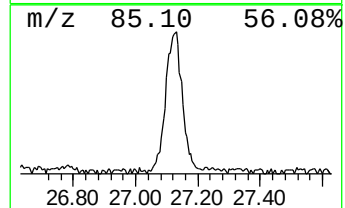
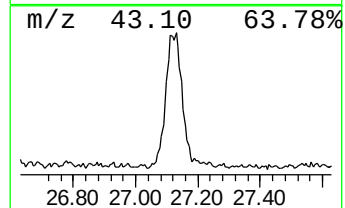
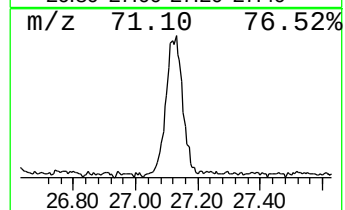
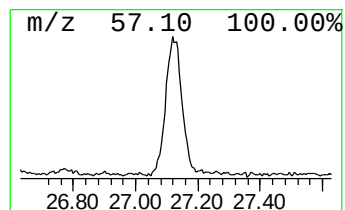
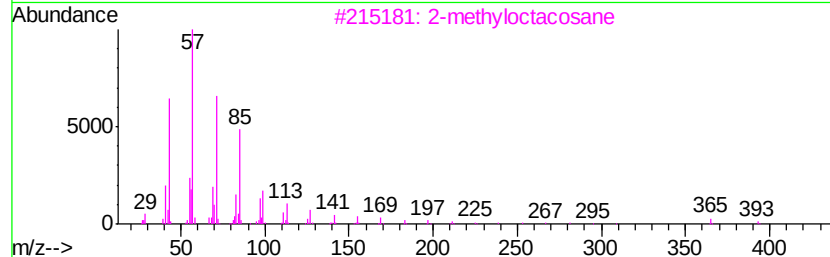
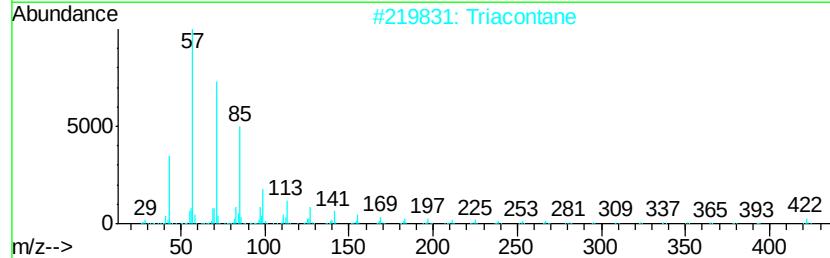
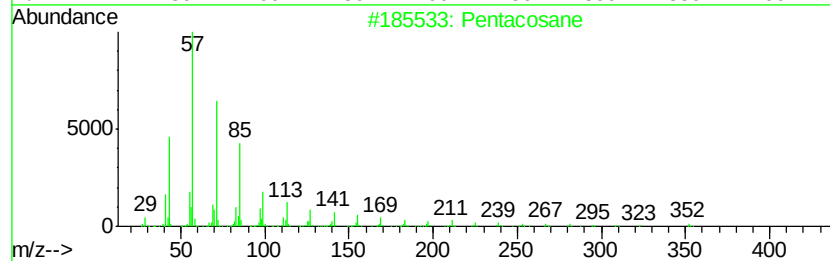
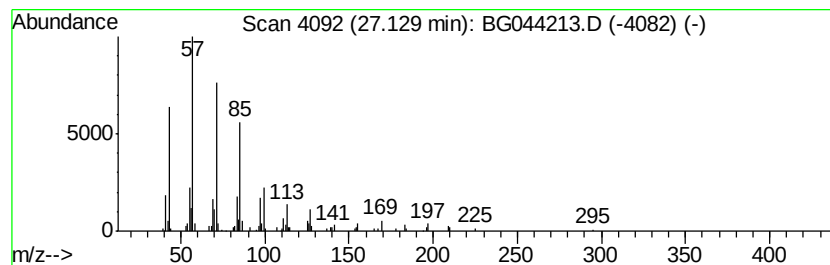
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Pentacosane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 27.13 | 2.87 ng | 241405 | Perylene-d12     | 24.67 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|--------------------|--------------|-----|----------|--------------|------|
| 1       | Pentacosane        |              | 352 | C25H52   | 000629-99-2  | 91   |
| 2       | triacontane        |              | 422 | C30H62   | 000638-68-6  | 90   |
| 3       | 2-methyloctacosane |              | 408 | C29H60   | 1000376-72-8 | 90   |
| 4       | Tetratetracontane  |              | 619 | C44H90   | 007098-22-8  | 90   |
| 5       | 2-Bromotetradecane |              | 276 | C14H29Br | 074036-95-6  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG012720\  
Data File : BG044213.D  
Acq On : 27 Jan 2020 13:24  
Operator : CG/JU  
Sample : L1173-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
0049-DECANT-H2O-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.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 |
| Oxalic acid, isob... | 21.24 | 3.2     | ng    | 264228   | 5                     | 21.56 | 1629300 | 20.0 |
| Heneicosane          | 22.36 | 3.3     | ng    | 267736   | 5                     | 21.56 | 1629300 | 20.0 |
| Heptadecane, 4-me... | 23.03 | 4.8     | ng    | 394055   | 5                     | 21.56 | 1629300 | 20.0 |
| Squalene             | 23.22 | 3.1     | ng    | 258285   | 6                     | 24.67 | 1681730 | 20.0 |
| Heptadecane, 9-oc... | 23.81 | 5.2     | ng    | 435725   | 6                     | 24.67 | 1681730 | 20.0 |
| Dodecane, 2-methyl-  | 24.73 | 5.0     | ng    | 419507   | 6                     | 24.67 | 1681730 | 20.0 |
| Hexacosane           | 25.82 | 4.9     | ng    | 412164   | 6                     | 24.67 | 1681730 | 20.0 |
| Pentacosane          | 27.13 | 2.9     | ng    | 241405   | 6                     | 24.67 | 1681730 | 20.0 |