

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
 Data File : BG044505.D  
 Acq On : 20 Feb 2020 1:19  
 Operator : CG/JU  
 Sample : L1547-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MARCY-GREEN-BH-02-B

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

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

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

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.467       | 399           | 405         | 423          | rBV      | 683927         | 1154103       | 39.30%          | 6.406%        |
| 2         | 7.065       | 669           | 677         | 696          | rBV      | 679701         | 1217404       | 41.46%          | 6.757%        |
| 3         | 7.887       | 810           | 817         | 827          | rBV      | 192424         | 330149        | 11.24%          | 1.832%        |
| 4         | 8.210       | 863           | 872         | 881          | rBV      | 560949         | 990787        | 33.74%          | 5.499%        |
| 5         | 9.045       | 1006          | 1014        | 1027         | rBV      | 406084         | 755882        | 25.74%          | 4.195%        |
| 6         | 10.690      | 1285          | 1294        | 1309         | rBV      | 247018         | 467338        | 15.91%          | 2.594%        |
| 7         | 13.152      | 1706          | 1713        | 1728         | rBV      | 1077246        | 1762384       | 60.02%          | 9.782%        |
| 8         | 13.986      | 1849          | 1855        | 1860         | rBV2     | 25891          | 43032         | 1.47%           | 0.239%        |
| 9         | 14.527      | 1941          | 1947        | 1955         | rBV      | 411745         | 669779        | 22.81%          | 3.718%        |
| 10        | 16.019      | 2194          | 2201        | 2224         | rBV      | 884243         | 1557612       | 53.04%          | 8.645%        |
| 11        | 17.270      | 2408          | 2414        | 2419         | rBV      | 536525         | 877464        | 29.88%          | 4.870%        |
| 12        | 17.311      | 2419          | 2421        | 2428         | rVB      | 94924          | 136927        | 4.66%           | 0.760%        |
| 13        | 17.406      | 2433          | 2437        | 2444         | rVB      | 20198          | 34242         | 1.17%           | 0.190%        |
| 14        | 18.199      | 2568          | 2572        | 2577         | rVV2     | 20143          | 29937         | 1.02%           | 0.166%        |
| 15        | 18.340      | 2591          | 2596        | 2600         | rBV2     | 20695          | 35593         | 1.21%           | 0.198%        |
| 16        | 18.475      | 2614          | 2619        | 2628         | rVB2     | 19272          | 30359         | 1.03%           | 0.169%        |
| 17        | 19.327      | 2759          | 2764        | 2772         | rBV      | 183866         | 257690        | 8.78%           | 1.430%        |
| 18        | 19.685      | 2816          | 2825        | 2835         | rBV      | 173136         | 301588        | 10.27%          | 1.674%        |
| 19        | 19.803      | 2841          | 2845        | 2850         | rVB      | 45091          | 57979         | 1.97%           | 0.322%        |
| 20        | 19.891      | 2854          | 2860        | 2872         | rVB      | 2139788        | 2936543       | 100.00%         | 16.299%       |
| 21        | 20.737      | 3001          | 3004        | 3008         | rBV      | 28869          | 36881         | 1.26%           | 0.205%        |
| 22        | 20.931      | 3034          | 3037        | 3045         | rVB      | 19951          | 31697         | 1.08%           | 0.176%        |
| 23        | 21.189      | 3076          | 3081        | 3089         | rBV3     | 187719         | 341634        | 11.63%          | 1.896%        |
| 24        | 21.254      | 3089          | 3092        | 3104         | rVB2     | 54861          | 112181        | 3.82%           | 0.623%        |
| 25        | 21.518      | 3129          | 3137        | 3142         | rVV2     | 656928         | 1216311       | 41.42%          | 6.751%        |
| 26        | 21.559      | 3142          | 3144        | 3152         | rVB      | 82553          | 113327        | 3.86%           | 0.629%        |
| 27        | 21.718      | 3167          | 3171        | 3177         | rVB4     | 60749          | 93306         | 3.18%           | 0.518%        |
| 28        | 22.306      | 3266          | 3271        | 3282         | rBV3     | 83484          | 164429        | 5.60%           | 0.913%        |
| 29        | 22.970      | 3379          | 3384        | 3390         | rVB2     | 83702          | 143518        | 4.89%           | 0.797%        |
| 30        | 23.152      | 3411          | 3415        | 3421         | rVB      | 26583          | 46123         | 1.57%           | 0.256%        |
| 31        | 23.299      | 3436          | 3440        | 3447         | rVB5     | 29777          | 59446         | 2.02%           | 0.330%        |
| 32        | 23.628      | 3489          | 3496        | 3502         | rBV2     | 59601          | 182414        | 6.21%           | 1.012%        |
| 33        | 23.739      | 3510          | 3515        | 3520         | rVB      | 81534          | 158499        | 5.40%           | 0.880%        |
| 34        | 24.309      | 3608          | 3612        | 3622         | rVB2     | 45892          | 124134        | 4.23%           | 0.689%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

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

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

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 24.444 | 3630 | 3635 | 3646 | rVB  | 54602  | 137939  | 4.70%  | 0.766% |
| 36 | 24.597 | 3651 | 3661 | 3682 | rVB2 | 394827 | 1254943 | 42.74% | 6.965% |
| 37 | 25.719 | 3844 | 3852 | 3861 | rVB2 | 51843  | 153289  | 5.22%  | 0.851% |

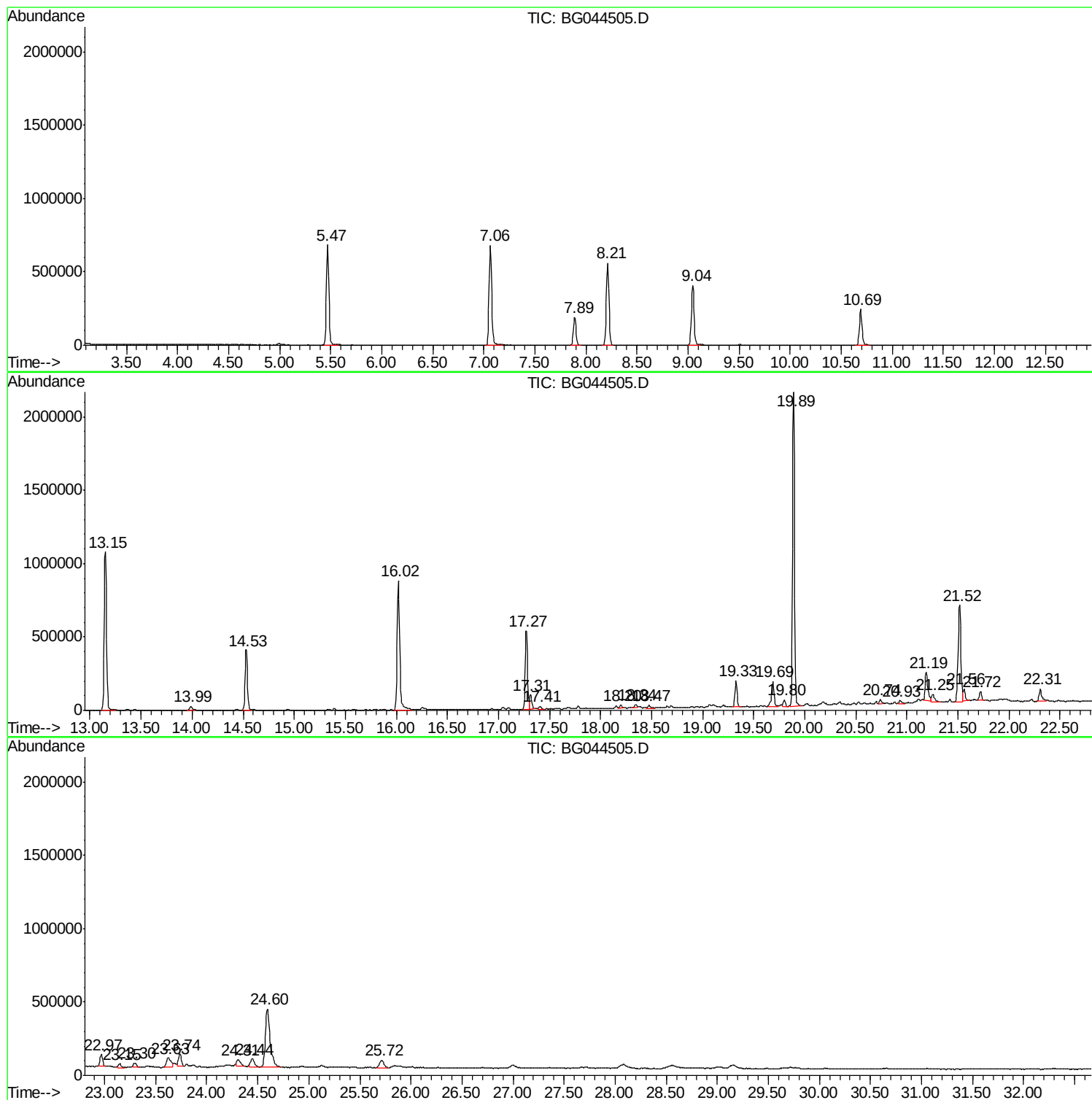
Sum of corrected areas: 18016863

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

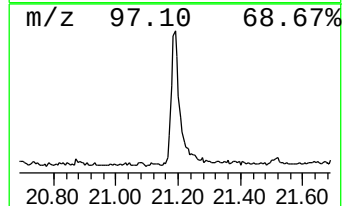
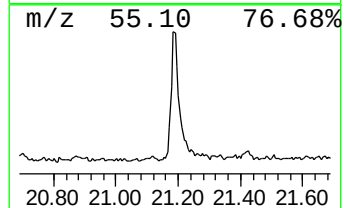
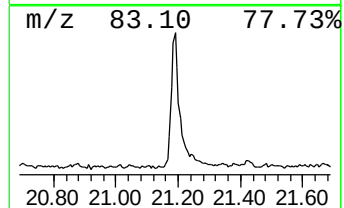
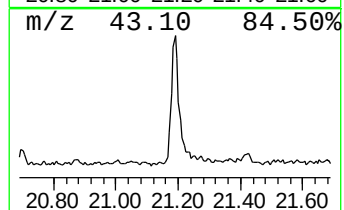
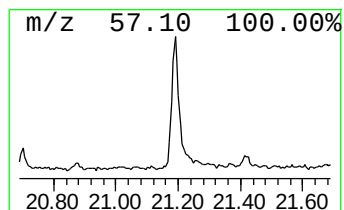
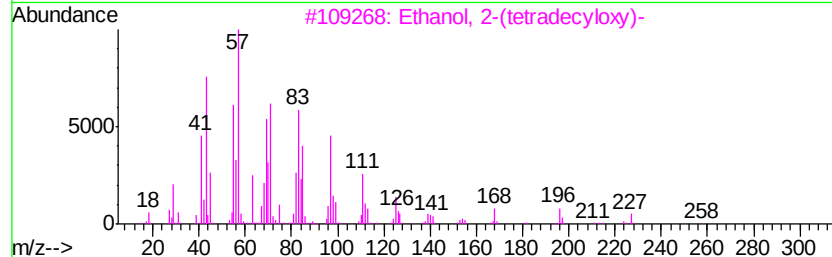
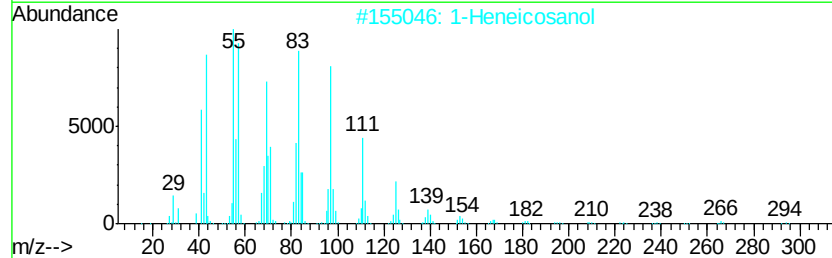
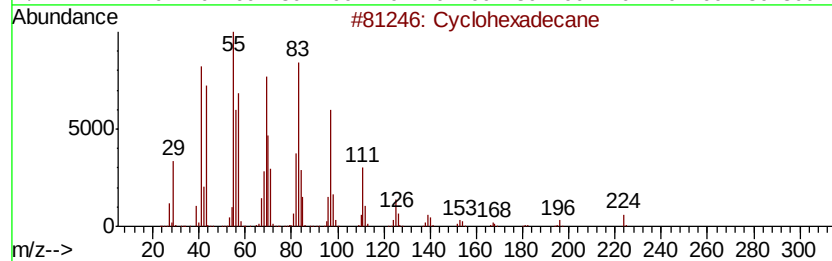
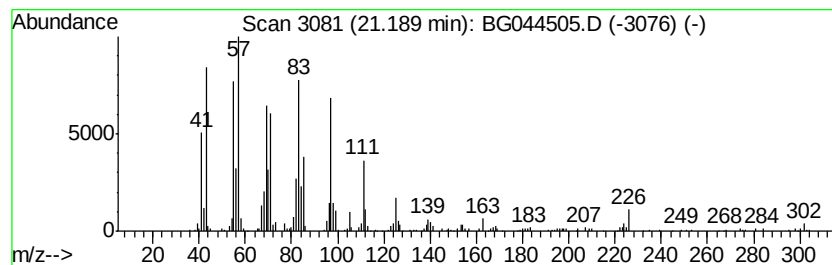
Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

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

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

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 21.19     | 5.62 ng                             | 341634 | Chrysene-d12     | 21.52       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclohexadecane                     | 224    | C16H32           | 000295-65-8 | 94   |
| 2         | 1-Heneicosanol                      | 312    | C21H44O          | 015594-90-8 | 93   |
| 3         | Ethanol, 2-(tetradecyloxy)-         | 258    | C16H34O2         | 002136-70-1 | 90   |
| 4         | Pentafluoropropionic acid, hepta... | 402    | C20H35F5O2       | 959218-78-1 | 90   |
| 5         | Pentafluoropropionic acid, octad... | 416    | C21H37F5O2       | 959261-25-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

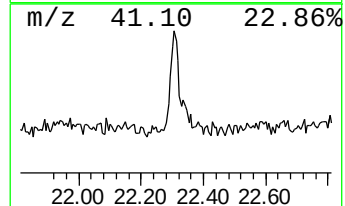
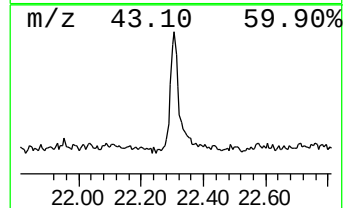
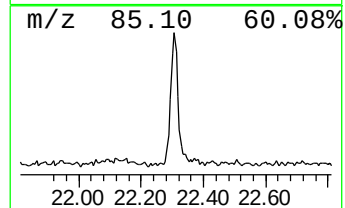
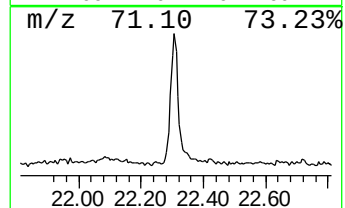
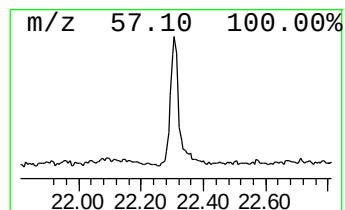
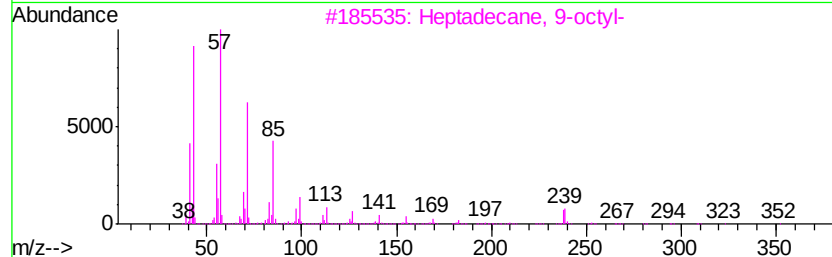
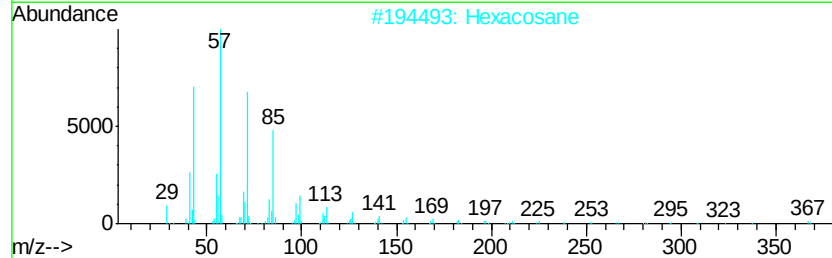
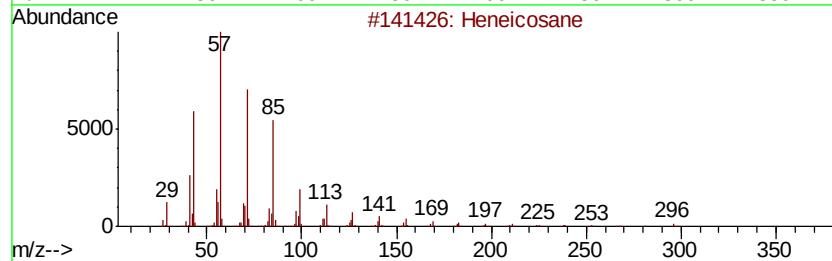
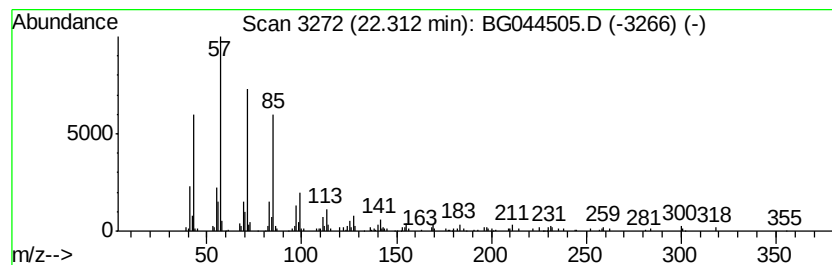
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Heneicosane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.31 | 2.70 ng | 164429 | Chrysene-d12     | 21.52 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 2    |    | Hexacosane            | 366 | C26H54  | 000630-01-3  | 90   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 87   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 87   |
| 5    |    | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

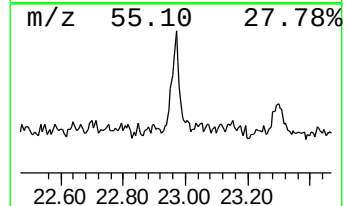
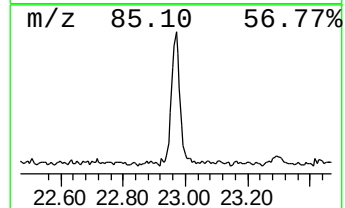
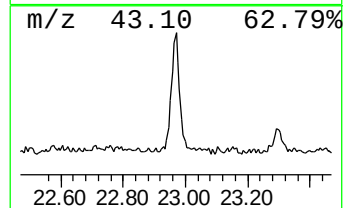
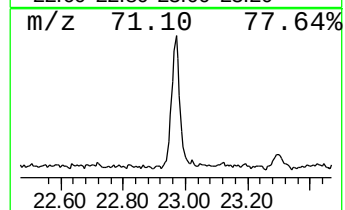
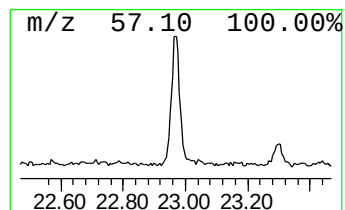
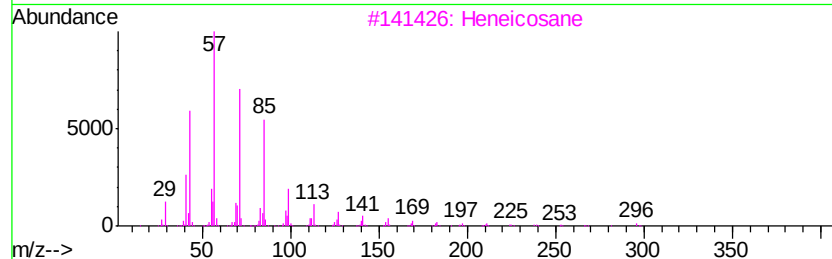
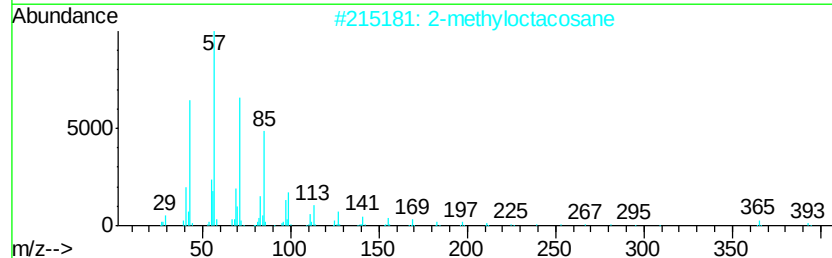
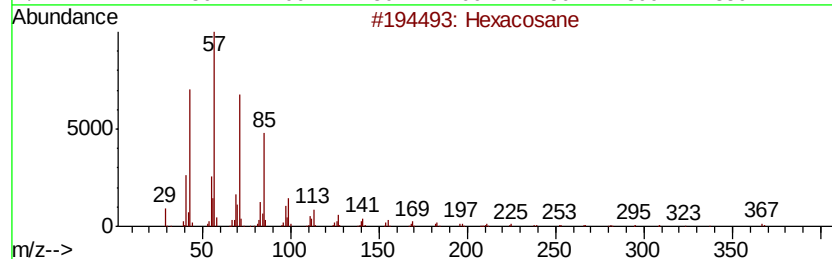
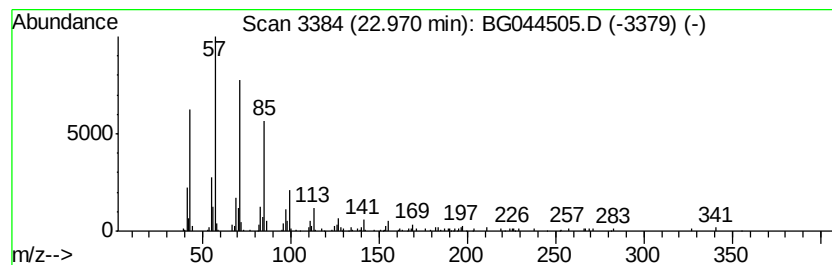
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.97 | 2.36 ng | 143518 | Chrysene-d12     | 21.52 |

| Hit# of 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|-----------|--------------------|-----|---------|--------------|------|
| 1         | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 2         | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3         | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 4         | Heptadecane        | 240 | C17H36  | 000629-78-7  | 91   |
| 5         | Hexadecane         | 226 | C16H34  | 000544-76-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

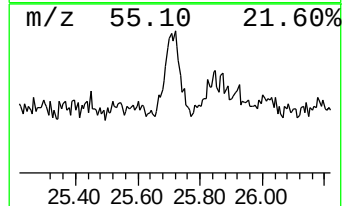
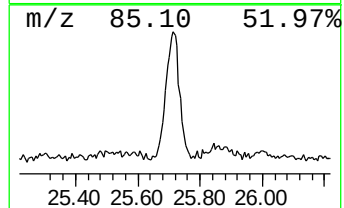
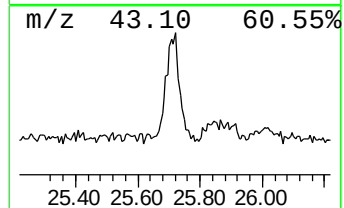
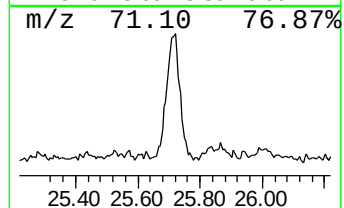
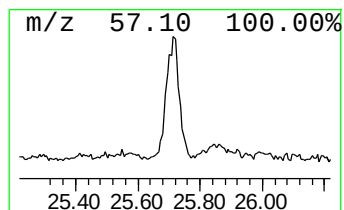
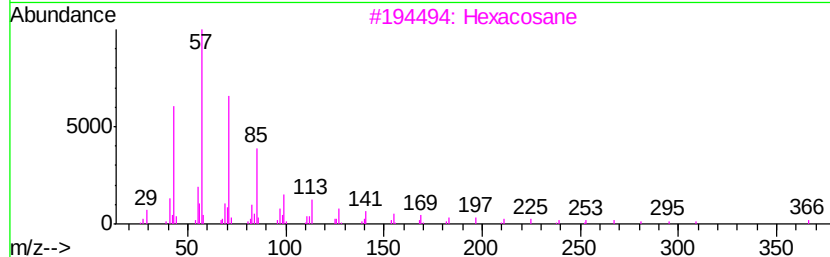
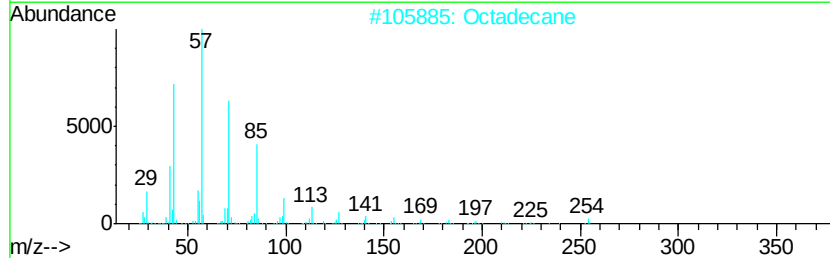
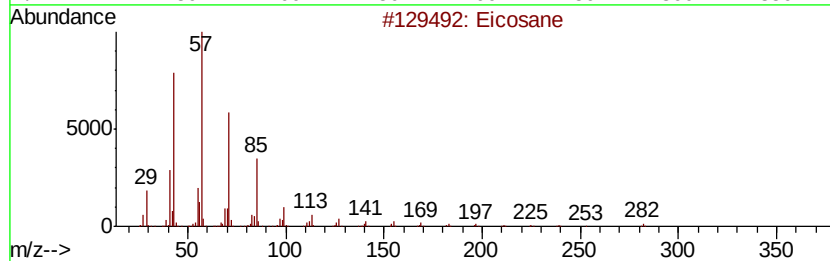
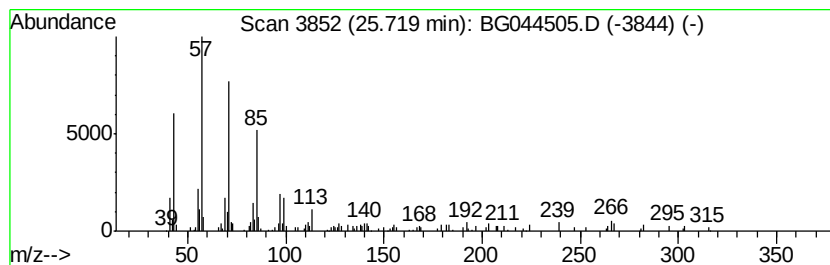
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.72 | 2.44 ng | 153289 | Perylene-d12     | 24.60 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane       |              | 282 | C20H42  | 000112-95-8 | 87   |
| 2       | Octadecane     |              | 254 | C18H38  | 000593-45-3 | 72   |
| 3       | Hexacosane     |              | 366 | C26H54  | 000630-01-3 | 64   |
| 4       | Heptacosane    |              | 380 | C27H56  | 000593-49-7 | 64   |
| 5       | Hentriacontane |              | 437 | C31H64  | 000630-04-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG021920\  
Data File : BG044505.D  
Acq On : 20 Feb 2020 1:19  
Operator : CG/JU  
Sample : L1547-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MARCY-GREEN-BH-02-B

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Cyclohexadecane  | 21.19 | 5.6 ng  |       | 341634   | 5                     | 21.52 | 1216310 | 20.0 |
| Heneicosane      | 22.31 | 2.7 ng  |       | 164429   | 5                     | 21.52 | 1216310 | 20.0 |
| Hexacosane       | 22.97 | 2.4 ng  |       | 143518   | 5                     | 21.52 | 1216310 | 20.0 |
| Eicosane         | 25.72 | 2.4 ng  |       | 153289   | 6                     | 24.60 | 1254940 | 20.0 |