

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
 Data File : BG040349.D  
 Acq On : 4 Apr 2019 7:15  
 Operator : JU/SJ  
 Sample : K2219-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-2-COMP

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-BG032719.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         | 3.182       | 14            | 16          | 30           | rVB6     | 14592          | 35885         | 1.12%           | 0.164%        |
| 2         | 5.603       | 420           | 428         | 448          | rBV      | 1039664        | 1691178       | 52.59%          | 7.752%        |
| 3         | 7.201       | 690           | 700         | 714          | rBV      | 1041187        | 1819446       | 56.58%          | 8.340%        |
| 4         | 7.577       | 756           | 764         | 777          | rBV      | 1033530        | 1779317       | 55.34%          | 8.156%        |
| 5         | 8.047       | 837           | 844         | 855          | rVB      | 244485         | 419120        | 13.03%          | 1.921%        |
| 6         | 8.370       | 890           | 899         | 906          | rBV      | 739305         | 1299295       | 40.41%          | 5.955%        |
| 7         | 9.222       | 1034          | 1044        | 1053         | rBV      | 596630         | 1096679       | 34.11%          | 5.027%        |
| 8         | 10.861      | 1315          | 1323        | 1333         | rBV      | 311597         | 572418        | 17.80%          | 2.624%        |
| 9         | 13.300      | 1731          | 1738        | 1749         | rBV      | 1412562        | 2243766       | 69.78%          | 10.285%       |
| 10        | 14.122      | 1871          | 1878        | 1889         | rBV      | 54715          | 92987         | 2.89%           | 0.426%        |
| 11        | 14.680      | 1964          | 1973        | 1982         | rBV2     | 454261         | 777795        | 24.19%          | 3.565%        |
| 12        | 16.167      | 2219          | 2226        | 2236         | rBV      | 1155223        | 1823991       | 56.72%          | 8.360%        |
| 13        | 17.424      | 2434          | 2440        | 2446         | rBV      | 650124         | 974946        | 30.32%          | 4.469%        |
| 14        | 18.282      | 2580          | 2586        | 2593         | rBV5     | 34881          | 64589         | 2.01%           | 0.296%        |
| 15        | 19.833      | 2843          | 2850        | 2854         | rBV      | 21653          | 36423         | 1.13%           | 0.167%        |
| 16        | 20.021      | 2876          | 2882        | 2890         | rBV      | 2453164        | 3215529       | 100.00%         | 14.739%       |
| 17        | 20.291      | 2921          | 2928        | 2938         | rBV      | 44371          | 71079         | 2.21%           | 0.326%        |
| 18        | 20.785      | 3008          | 3012        | 3016         | rBV      | 50608          | 57510         | 1.79%           | 0.264%        |
| 19        | 21.296      | 3093          | 3099        | 3110         | rBV      | 210916         | 366033        | 11.38%          | 1.678%        |
| 20        | 21.696      | 3159          | 3167        | 3174         | rBV2     | 717894         | 1248787       | 38.84%          | 5.724%        |
| 21        | 21.837      | 3187          | 3191        | 3199         | rVB2     | 35736          | 51507         | 1.60%           | 0.236%        |
| 22        | 22.448      | 3290          | 3295        | 3298         | rBV      | 51447          | 76945         | 2.39%           | 0.353%        |
| 23        | 23.141      | 3407          | 3413        | 3418         | rBV2     | 47870          | 88860         | 2.76%           | 0.407%        |
| 24        | 23.505      | 3470          | 3475        | 3479         | rVB6     | 31370          | 54947         | 1.71%           | 0.252%        |
| 25        | 23.946      | 3542          | 3550        | 3558         | rBV2     | 85883          | 206336        | 6.42%           | 0.946%        |
| 26        | 24.034      | 3558          | 3565        | 3572         | rBV7     | 28032          | 78373         | 2.44%           | 0.359%        |
| 27        | 24.898      | 3706          | 3712        | 3715         | rBV4     | 42201          | 86988         | 2.71%           | 0.399%        |
| 28        | 24.974      | 3716          | 3725        | 3737         | rVB2     | 423365         | 1215558       | 37.80%          | 5.572%        |
| 29        | 26.038      | 3899          | 3906        | 3917         | rVB3     | 80530          | 234182        | 7.28%           | 1.073%        |
| 30        | 27.407      | 4131          | 4139        | 4140         | rBV8     | 18261          | 36303         | 1.13%           | 0.166%        |

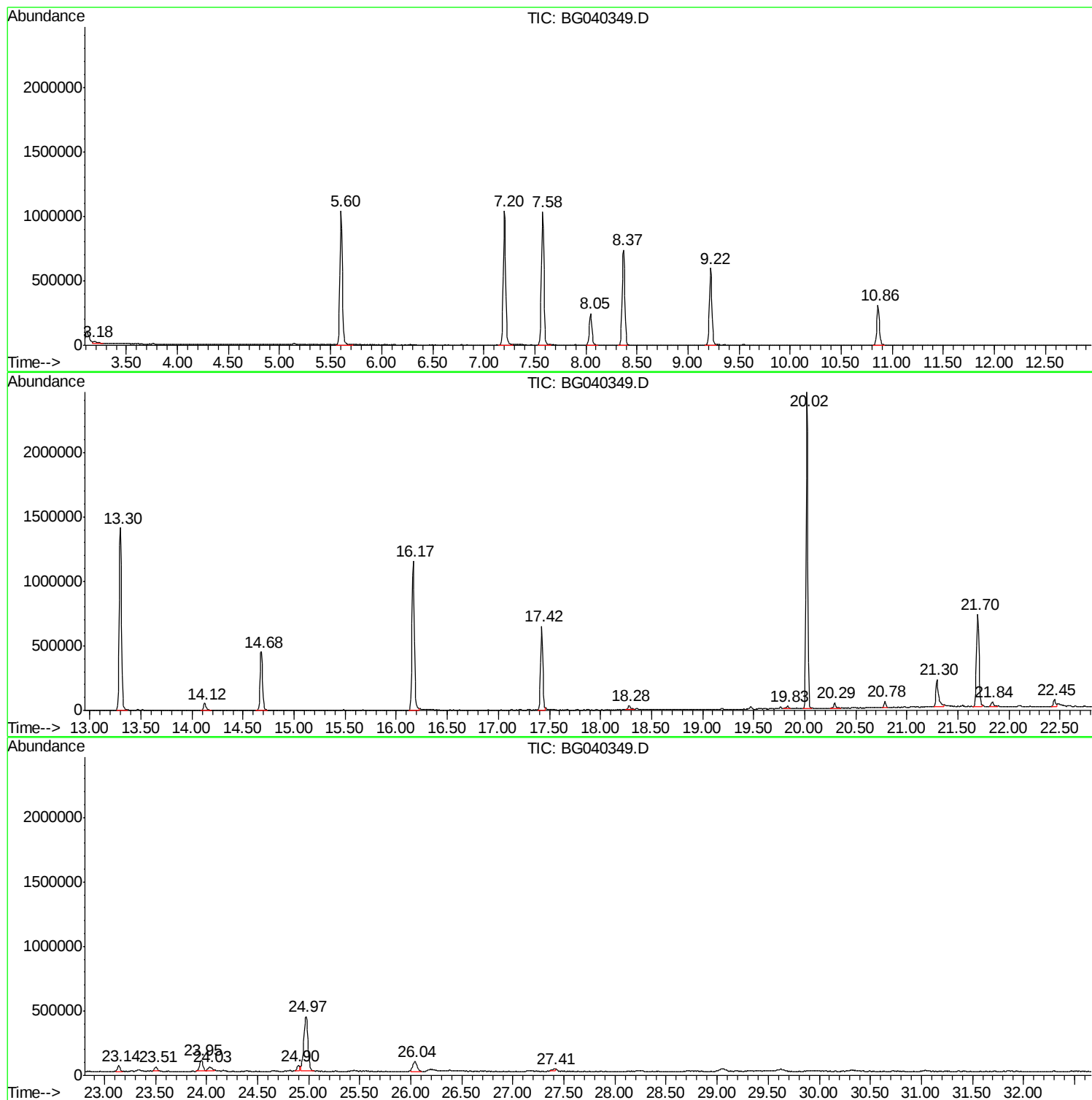
Sum of corrected areas: 21816772

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.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\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

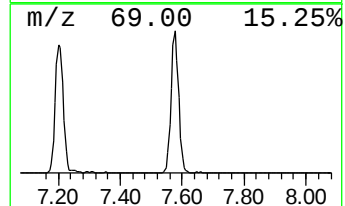
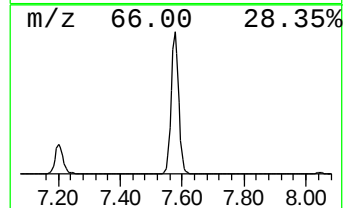
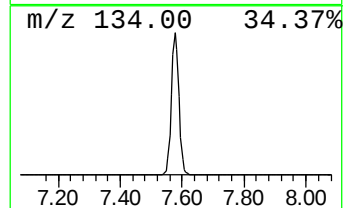
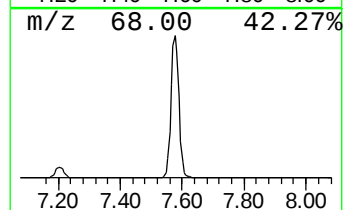
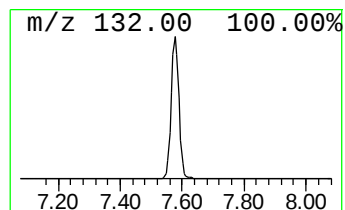
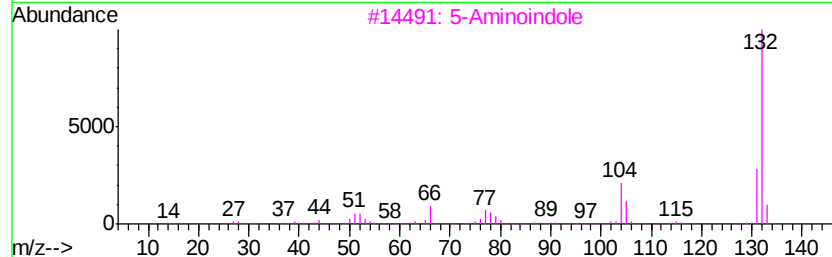
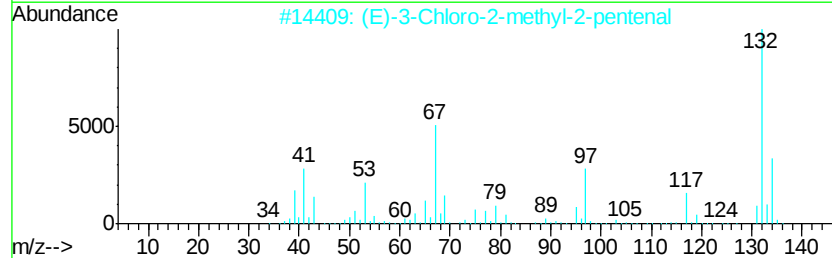
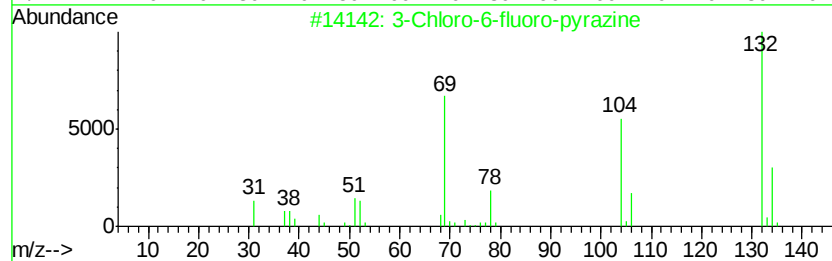
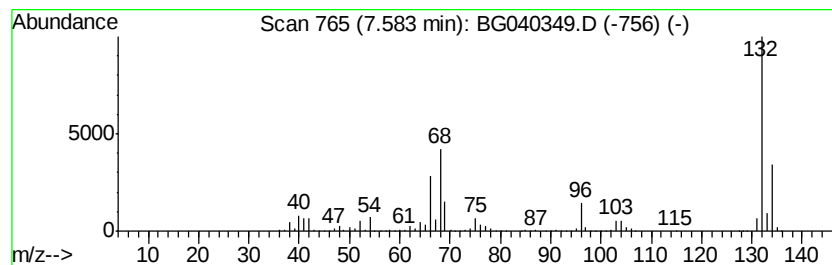
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown7.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.58 | 84.91 ng | 1779320 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

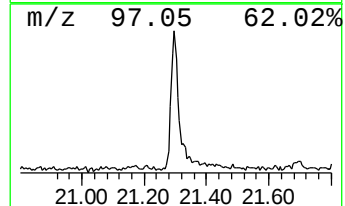
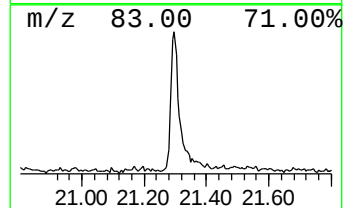
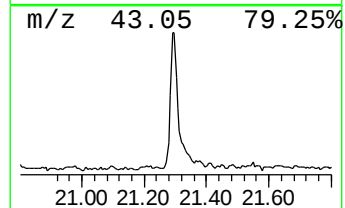
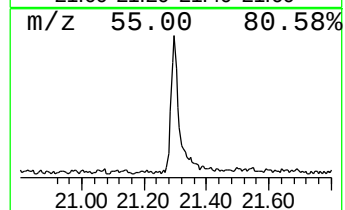
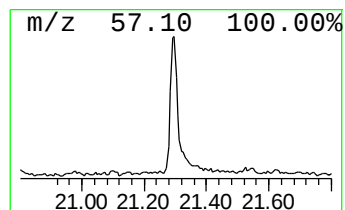
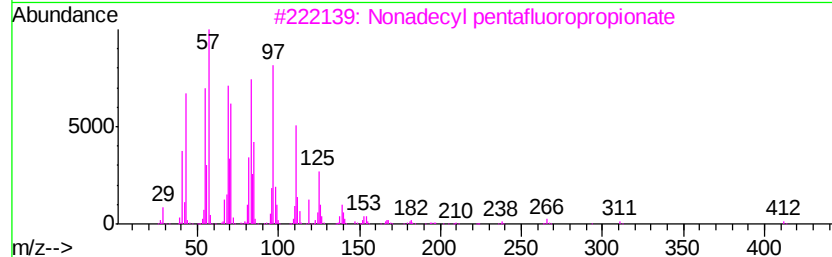
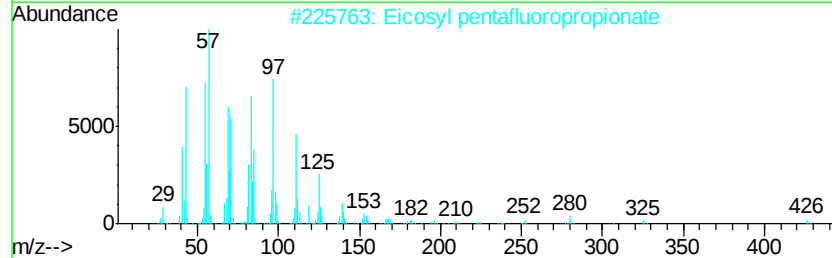
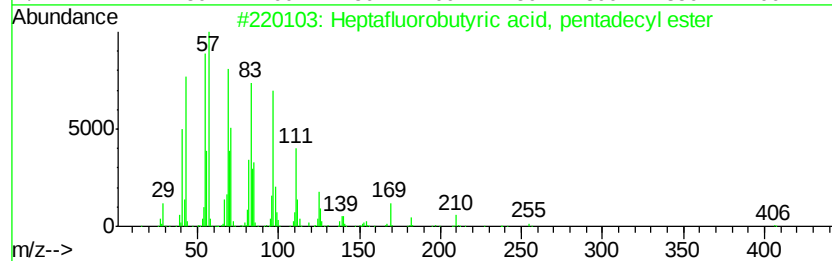
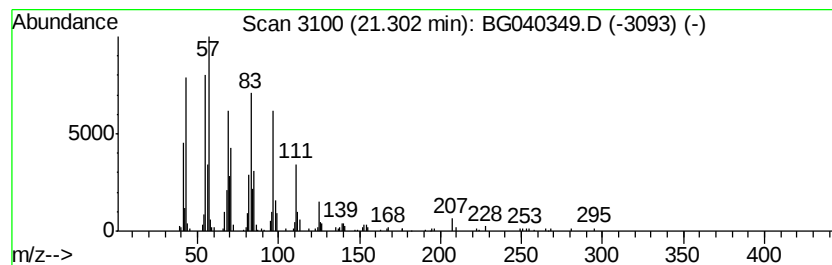
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Heptafluorobutyric acid, pe... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.30 | 5.86 ng | 366033 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5  | 94   |
| 2    |    | Eicosyl pentafluoropropionate       | 444 | C23H41F5O2 | 1000351-80-8 | 91   |
| 3    |    | Nonadecyl pentafluoropropionate     | 430 | C22H39F5O2 | 1000351-88-8 | 91   |
| 4    |    | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2 | 1000351-87-0 | 91   |
| 5    |    | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 959261-25-7  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

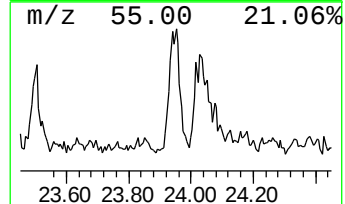
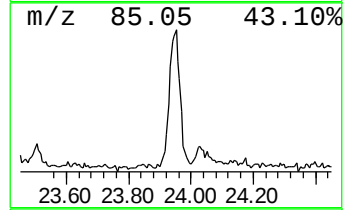
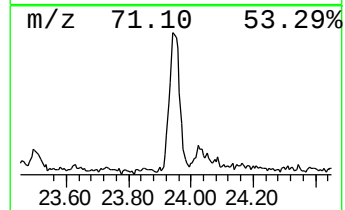
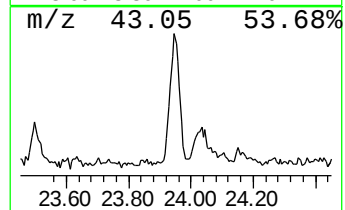
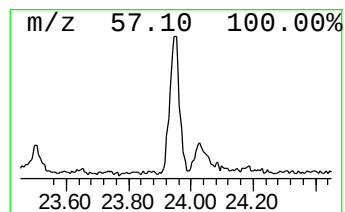
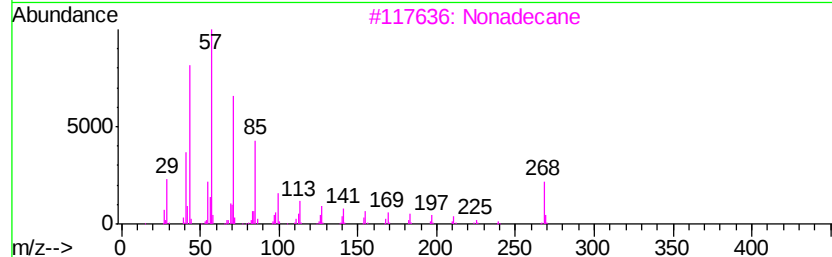
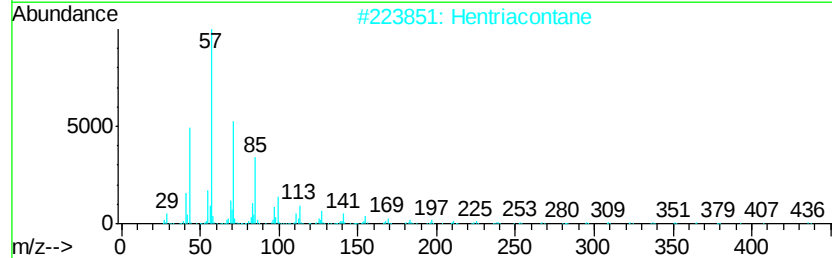
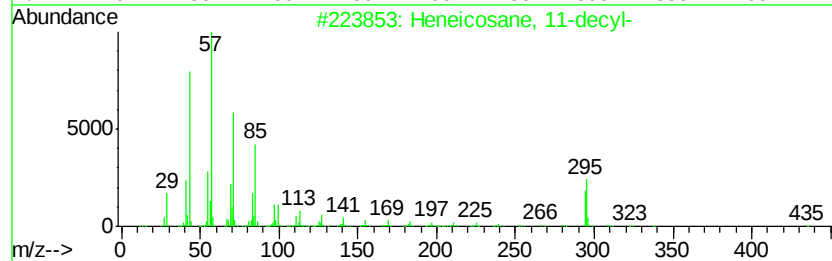
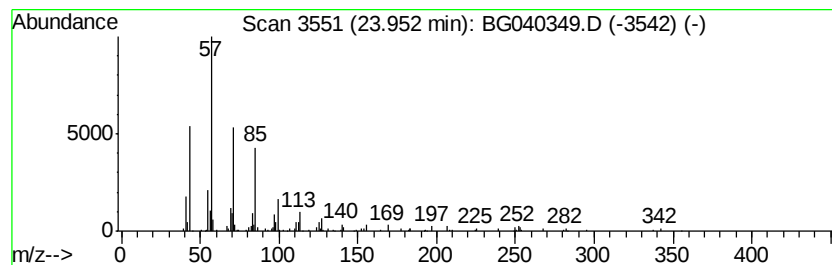
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Heneicosane, 11-decyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.95 | 3.39 ng | 206336 | Perylene-d12     | 24.97 |

| Hit# of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|-----------|------------------------|-----|---------|-------------|------|
| 1         | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 87   |
| 2         | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 87   |
| 3         | Nonadecane             | 268 | C19H40  | 000629-92-5 | 87   |
| 4         | Heneicosane            | 296 | C21H44  | 000629-94-7 | 87   |
| 5         | Hexacosane             | 366 | C26H54  | 000630-01-3 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

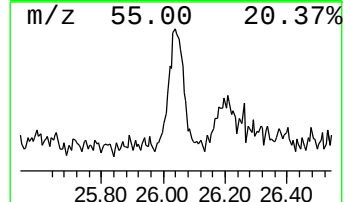
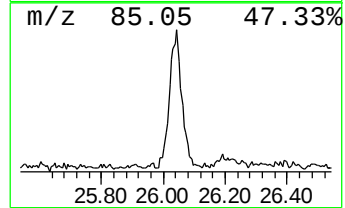
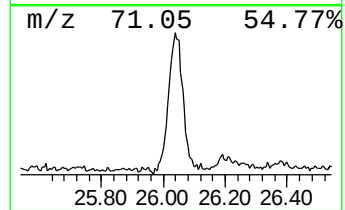
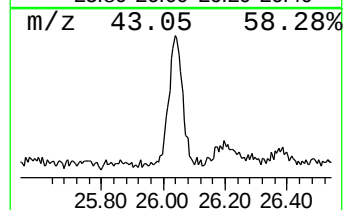
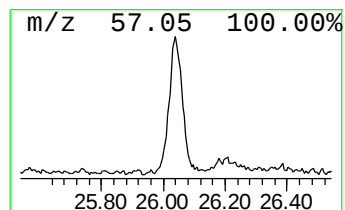
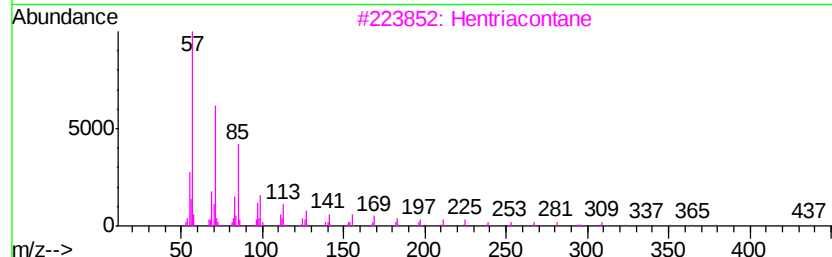
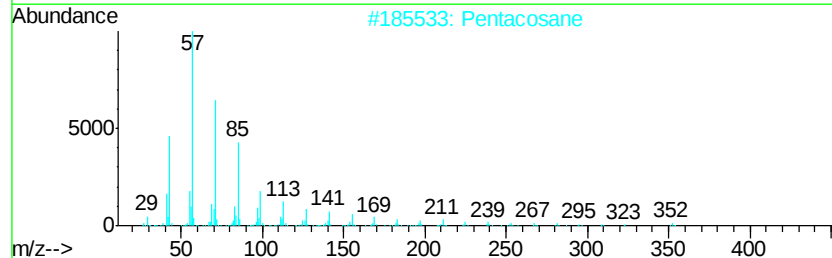
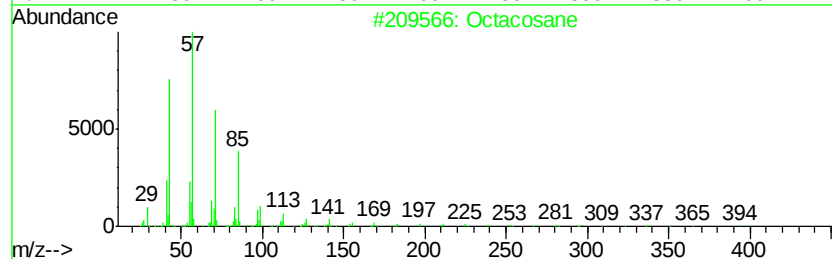
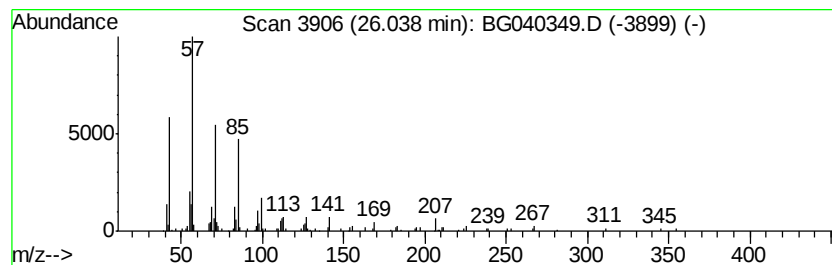
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Octacosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.04 | 3.85 ng | 234182 | Perylene-d12     | 24.97 |

| Hit# of | 5                                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------------------|--------------|-----|---------|-------------|------|
| 1       | Octacosane                       |              | 394 | C28H58  | 000630-02-4 | 87   |
| 2       | Pentacosane                      |              | 352 | C25H52  | 000629-99-2 | 87   |
| 3       | Hentriacontane                   |              | 437 | C31H64  | 000630-04-6 | 87   |
| 4       | Tetracosane                      |              | 338 | C24H50  | 000646-31-1 | 86   |
| 5       | Heneicosane, 11-(1-ethylpropyl)- |              | 366 | C26H54  | 055282-11-6 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG040319\  
Data File : BG040349.D  
Acq On : 4 Apr 2019 7:15  
Operator : JU/SJ  
Sample : K2219-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-2-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG032719.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 |
| unknown7.58          | 7.58  | 84.9    | ng    | 1779320  | 1                     | 8.05  | 419120  | 20.0 |
| Heptafluorobutyri... | 21.30 | 5.9     | ng    | 366033   | 5                     | 21.70 | 1248790 | 20.0 |
| Heneicosane, 11-d... | 23.95 | 3.4     | ng    | 206336   | 6                     | 24.97 | 1215560 | 20.0 |
| Octacosane           | 26.04 | 3.9     | ng    | 234182   | 6                     | 24.97 | 1215560 | 20.0 |