

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\  
 Data File : BG044139.D  
 Acq On : 21 Jan 2020 18:39  
 Operator : JU  
 Sample : L1205-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EP-6

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-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         | 5.033       | 326           | 331         | 337          | rBV      | 29499          | 45544         | 1.11%           | 0.199%        |
| 2         | 5.509       | 404           | 412         | 425          | rBV      | 977349         | 1601852       | 38.87%          | 6.983%        |
| 3         | 7.102       | 675           | 683         | 700          | rBV      | 1019611        | 1853607       | 44.98%          | 8.080%        |
| 4         | 7.930       | 817           | 824         | 831          | rBV      | 272582         | 462968        | 11.23%          | 2.018%        |
| 5         | 8.253       | 871           | 879         | 888          | rBV      | 807789         | 1399221       | 33.95%          | 6.099%        |
| 6         | 9.082       | 1012          | 1020        | 1038         | rBV      | 612398         | 1151061       | 27.93%          | 5.018%        |
| 7         | 10.733      | 1292          | 1301        | 1313         | rBV      | 383814         | 717001        | 17.40%          | 3.126%        |
| 8         | 13.189      | 1711          | 1719        | 1738         | rBV      | 1802423        | 2964606       | 71.94%          | 12.923%       |
| 9         | 14.017      | 1854          | 1860        | 1874         | rBV      | 260198         | 423374        | 10.27%          | 1.846%        |
| 10        | 14.563      | 1946          | 1953        | 1971         | rVB      | 695546         | 1121251       | 27.21%          | 4.888%        |
| 11        | 16.050      | 2199          | 2206        | 2226         | rBV      | 1269810        | 2127252       | 51.62%          | 9.273%        |
| 12        | 17.307      | 2413          | 2420        | 2431         | rBV      | 789632         | 1265465       | 30.71%          | 5.516%        |
| 13        | 19.922      | 2859          | 2865        | 2878         | rBV      | 3004357        | 4121137       | 100.00%         | 17.965%       |
| 14        | 21.226      | 3082          | 3087        | 3102         | rBV2     | 141457         | 336323        | 8.16%           | 1.466%        |
| 15        | 21.555      | 3136          | 3143        | 3152         | rBV      | 774318         | 1295989       | 31.45%          | 5.649%        |
| 16        | 21.767      | 3175          | 3179        | 3184         | rVB2     | 40787          | 54199         | 1.32%           | 0.236%        |
| 17        | 22.360      | 3275          | 3280        | 3285         | rBV      | 59629          | 96869         | 2.35%           | 0.422%        |
| 18        | 23.030      | 3389          | 3394        | 3400         | rVB2     | 78922          | 135252        | 3.28%           | 0.590%        |
| 19        | 23.212      | 3421          | 3425        | 3432         | rVB4     | 22513          | 45465         | 1.10%           | 0.198%        |
| 20        | 23.806      | 3520          | 3526        | 3533         | rBV2     | 75003          | 160722        | 3.90%           | 0.701%        |
| 21        | 24.657      | 3662          | 3671        | 3680         | rBV2     | 465043         | 1329754       | 32.27%          | 5.797%        |
| 22        | 25.815      | 3861          | 3868        | 3880         | rVB3     | 47439          | 135382        | 3.29%           | 0.590%        |
| 23        | 27.108      | 4081          | 4088        | 4099         | rVB8     | 27251          | 95952         | 2.33%           | 0.418%        |

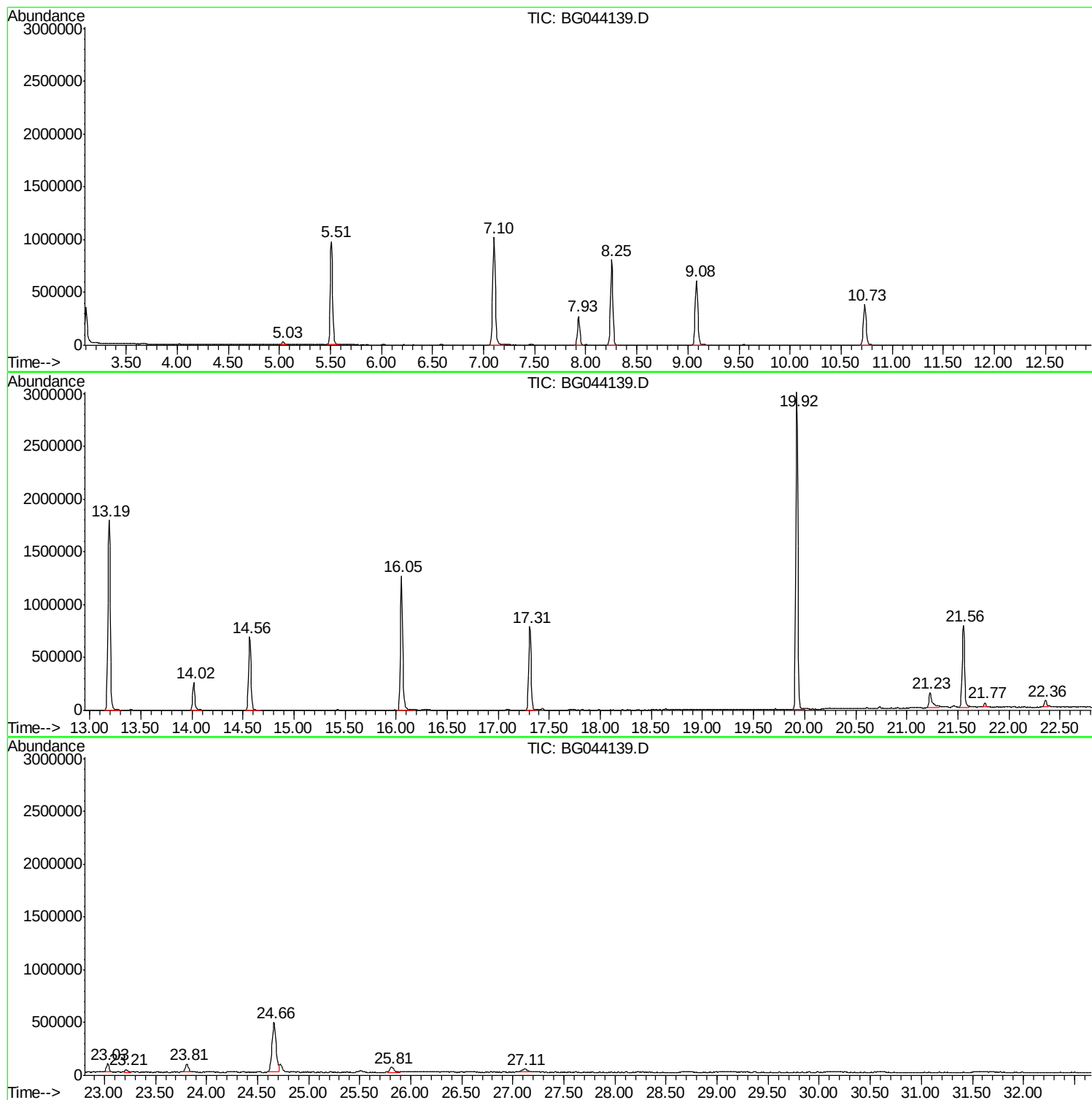
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EP-6

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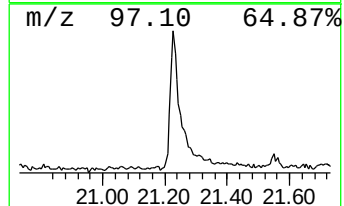
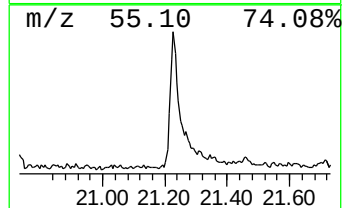
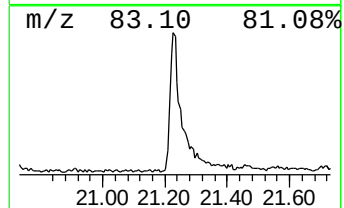
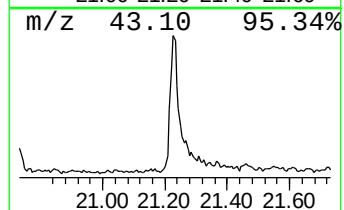
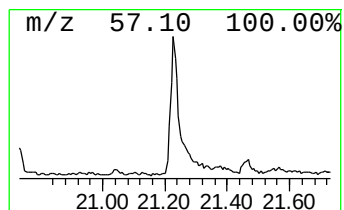
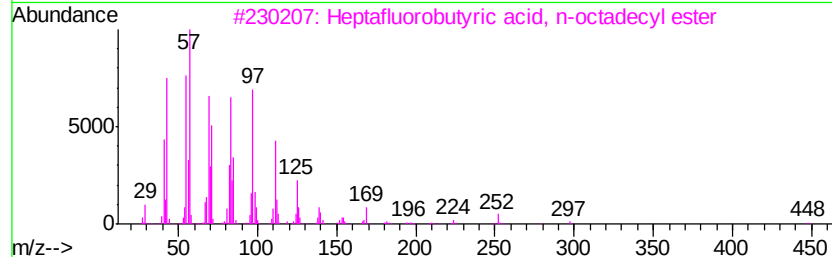
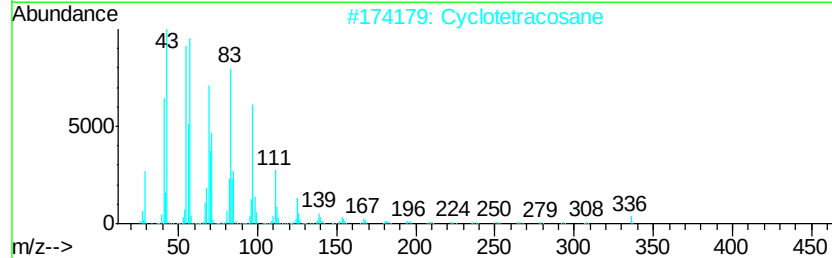
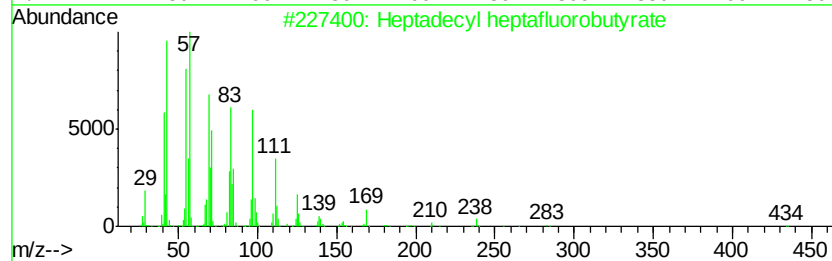
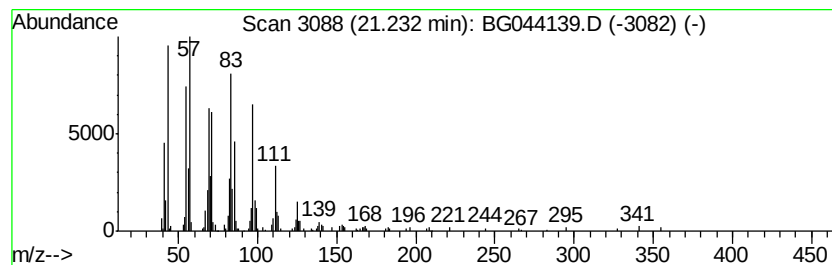
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Heptadecyl heptafluorobutyrate Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.23 | 5.19 ng | 336323 | Chrysene-d12     | 21.56 |

| Hit# of | 5 | Tentative ID                               | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------------------|-----|------------|-------------|------|
| 1       |   | Heptadecyl heptafluorobutyrate             | 452 | C21H35F7O2 | 959085-66-6 | 94   |
| 2       |   | Cyclotetracosane                           | 336 | C24H48     | 000297-03-0 | 91   |
| 3       |   | Heptafluorobutyric acid, n-octadecyl ester | 466 | C22H37F7O2 | 000400-57-7 | 91   |
| 4       |   | n-Tetracosanol-1                           | 354 | C24H50O    | 000506-51-4 | 91   |
| 5       |   | 17-Pentatriacontene                        | 491 | C35H70     | 006971-40-0 | 91   |



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

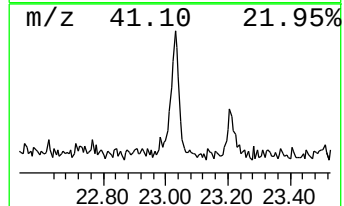
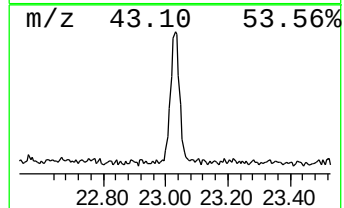
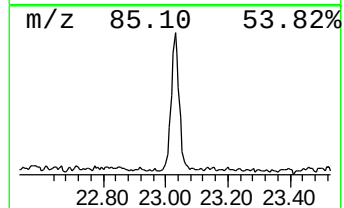
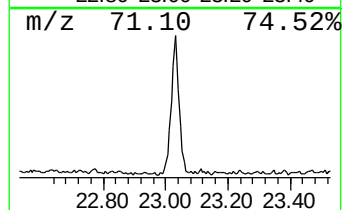
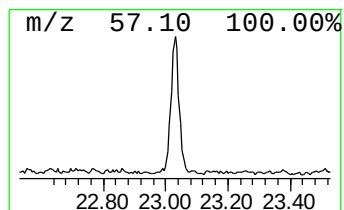
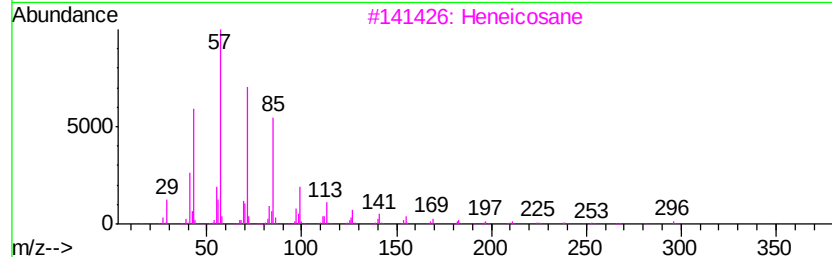
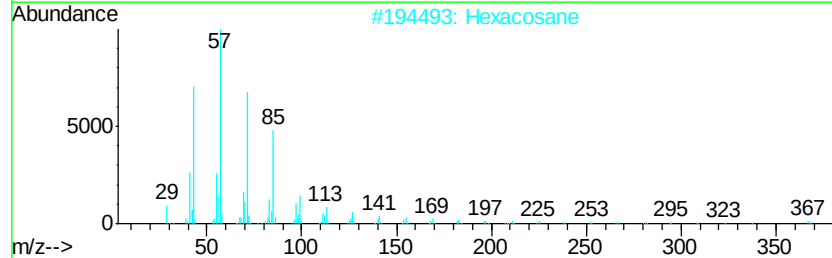
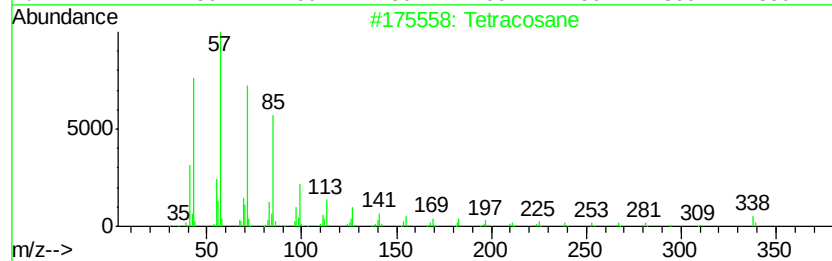
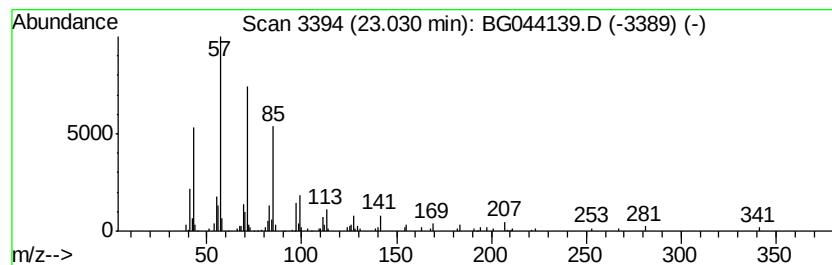
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Tetracosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.03 | 2.09 ng | 135252 | Chrysene-d12     | 21.56 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|---------|---|--------------------|-----|---------|--------------|------|
| 1       |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |
| 2       |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 3       |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 4       |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 5       |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 87   |



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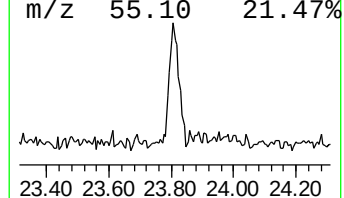
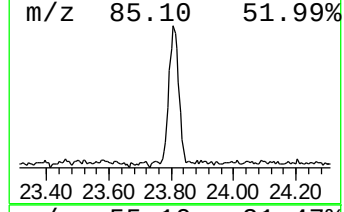
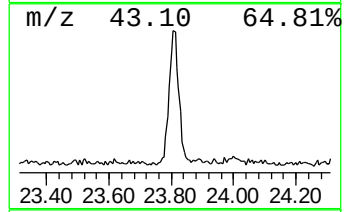
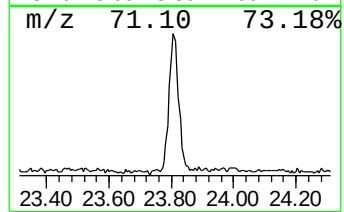
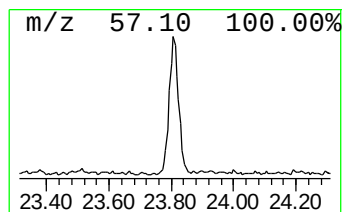
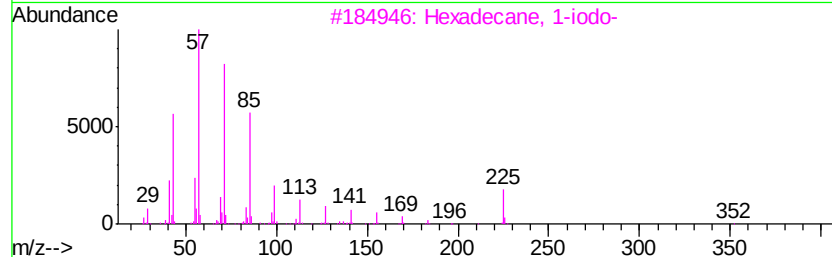
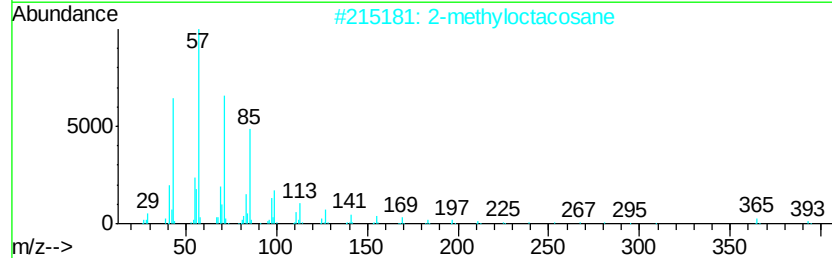
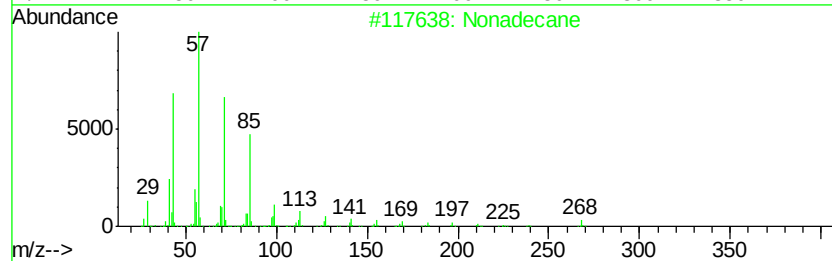
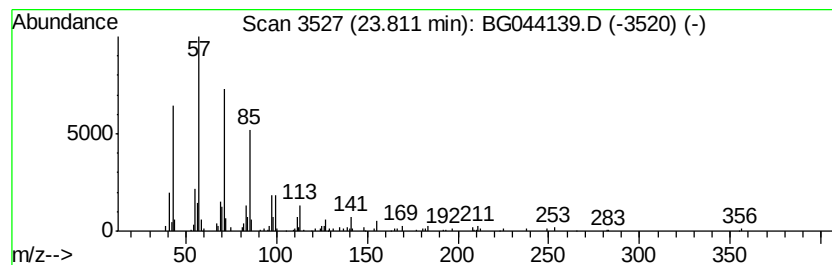
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Nonadecane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.81 | 2.42 ng | 160722 | Perylene-d12     | 24.66 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | Nonadecane            | 268 | C19H40  | 000629-92-5  | 90   |
| 2    |    |   | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 87   |
| 3    |    |   | Hexadecane, 1-iodo-   | 352 | C16H33I | 000544-77-4  | 87   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 87   |
| 5    |    |   | Hentriacontane        | 437 | C31H64  | 000630-04-6  | 87   |



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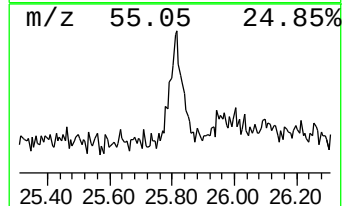
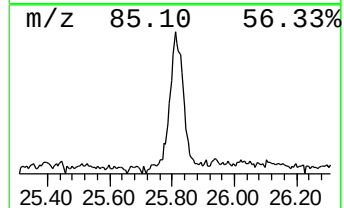
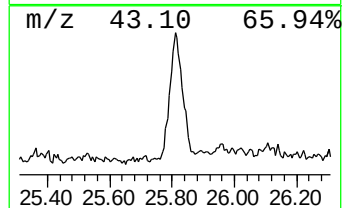
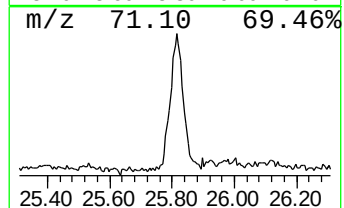
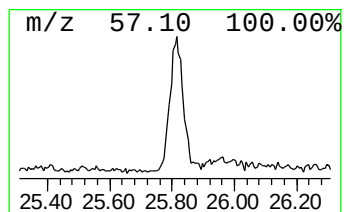
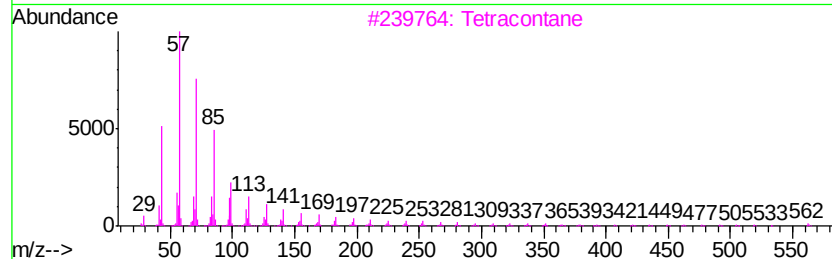
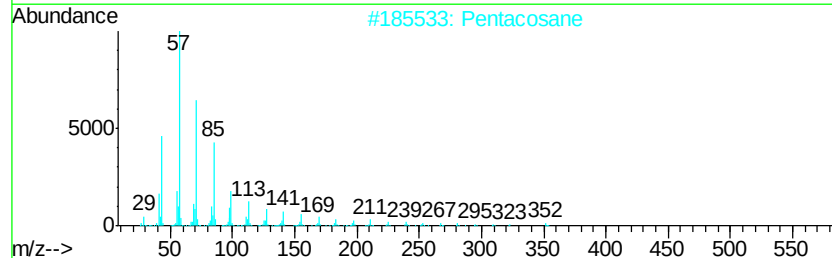
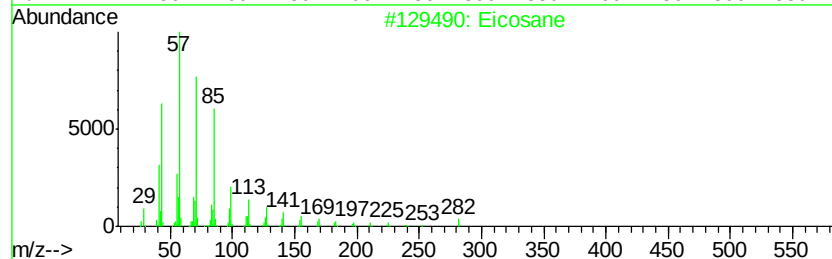
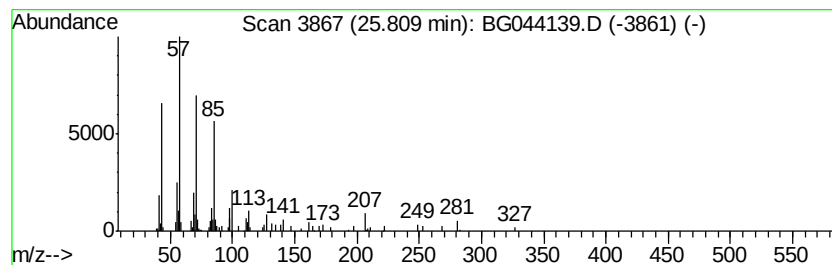
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.81 | 2.04 ng | 135382 | Perylene-d12     | 24.66 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 86   |
| 3    |    | Tetracontane          | 563 | C40H82  | 004181-95-7 | 86   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 86   |
| 5    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 86   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Heptadecyl heptaf... | 21.23 | 5.2     | ng    | 336323   | 5                     | 21.56 | 1295990 | 20.0 |
| Tetracosane          | 23.03 | 2.1     | ng    | 135252   | 5                     | 21.56 | 1295990 | 20.0 |
| Nonadecane           | 23.81 | 2.4     | ng    | 160722   | 6                     | 24.66 | 1329750 | 20.0 |
| Eicosane             | 25.81 | 2.0     | ng    | 135382   | 6                     | 24.66 | 1329750 | 20.0 |