

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012420\  
 Data File : BG044208.D  
 Acq On : 25 Jan 2020 8:59  
 Operator : CG/JU  
 Sample : L1247-21  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10-9-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-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         | 5.509       | 405           | 412         | 426          | rBV      | 1299367        | 2145454       | 46.23%          | 7.843%        |
| 2         | 7.101       | 674           | 683         | 696          | rBV      | 1346557        | 2480114       | 53.44%          | 9.066%        |
| 3         | 7.930       | 815           | 824         | 832          | rBV      | 281303         | 487503        | 10.50%          | 1.782%        |
| 4         | 8.253       | 871           | 879         | 893          | rBV      | 1058820        | 1835607       | 39.55%          | 6.710%        |
| 5         | 9.087       | 1012          | 1021        | 1039         | rBV      | 805299         | 1529062       | 32.95%          | 5.589%        |
| 6         | 10.732      | 1293          | 1301        | 1321         | rBV      | 394644         | 750980        | 16.18%          | 2.745%        |
| 7         | 13.188      | 1712          | 1719        | 1729         | rBV      | 2234609        | 3626399       | 78.14%          | 13.256%       |
| 8         | 14.017      | 1853          | 1860        | 1883         | rBV      | 244384         | 426287        | 9.19%           | 1.558%        |
| 9         | 14.563      | 1945          | 1953        | 1970         | rBV      | 699923         | 1139987       | 24.56%          | 4.167%        |
| 10        | 16.049      | 2200          | 2206        | 2222         | rBV      | 1577693        | 2674541       | 57.63%          | 9.777%        |
| 11        | 17.307      | 2413          | 2420        | 2427         | rBV      | 777336         | 1255977       | 27.06%          | 4.591%        |
| 12        | 19.357      | 2764          | 2769        | 2774         | rBV      | 68850          | 101200        | 2.18%           | 0.370%        |
| 13        | 19.722      | 2820          | 2831        | 2840         | rBV2     | 51428          | 108787        | 2.34%           | 0.398%        |
| 14        | 19.921      | 2859          | 2865        | 2876         | rBV      | 3391463        | 4640727       | 100.00%         | 16.964%       |
| 15        | 21.226      | 3082          | 3087        | 3106         | rBV3     | 128949         | 360921        | 7.78%           | 1.319%        |
| 16        | 21.555      | 3136          | 3143        | 3149         | rBV      | 797506         | 1293703       | 27.88%          | 4.729%        |
| 17        | 21.766      | 3174          | 3179        | 3185         | rVB      | 41764          | 58481         | 1.26%           | 0.214%        |
| 18        | 22.354      | 3274          | 3279        | 3284         | rBV      | 53860          | 87953         | 1.90%           | 0.322%        |
| 19        | 23.030      | 3383          | 3394        | 3400         | rBV2     | 68404          | 168597        | 3.63%           | 0.616%        |
| 20        | 23.212      | 3417          | 3425        | 3435         | rVB      | 283912         | 530910        | 11.44%          | 1.941%        |
| 21        | 23.805      | 3520          | 3526        | 3535         | rVB2     | 66522          | 142210        | 3.06%           | 0.520%        |
| 22        | 24.663      | 3661          | 3672        | 3680         | rBV2     | 464303         | 1325764       | 28.57%          | 4.846%        |
| 23        | 25.815      | 3858          | 3868        | 3878         | rBV4     | 44553          | 127311        | 2.74%           | 0.465%        |
| 24        | 27.113      | 4082          | 4089        | 4099         | rVB6     | 19288          | 58033         | 1.25%           | 0.212%        |

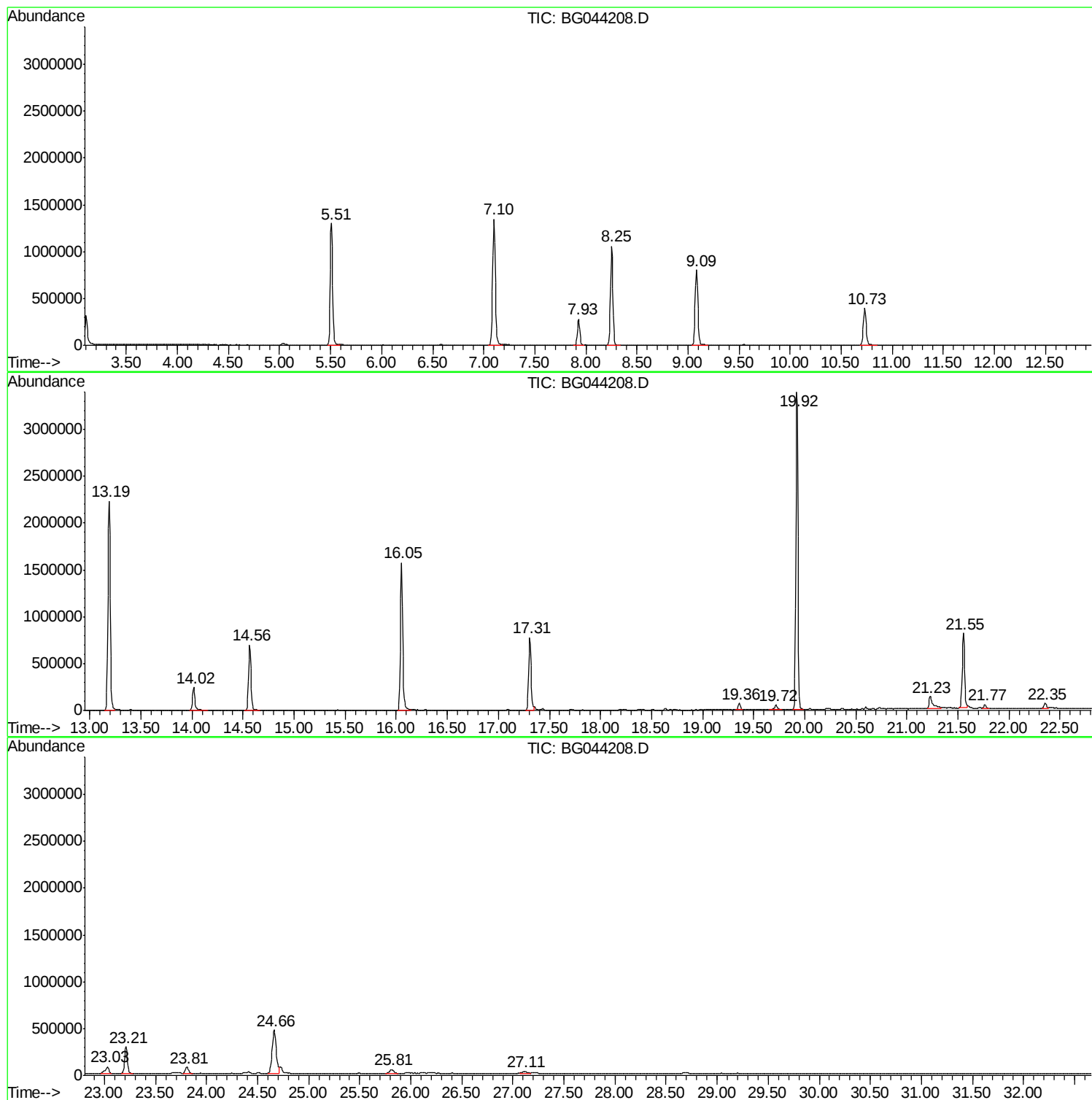
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ClientSampleId :  
TP-10-9-COMP

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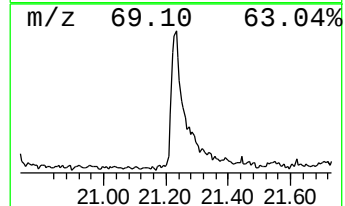
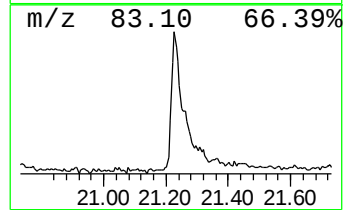
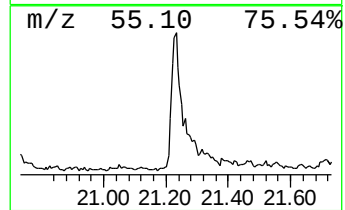
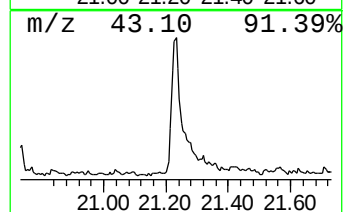
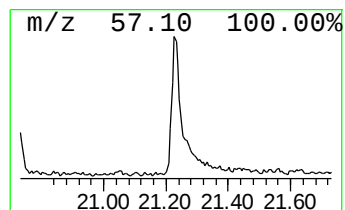
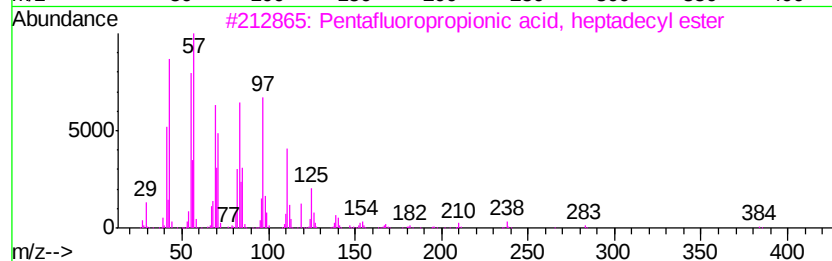
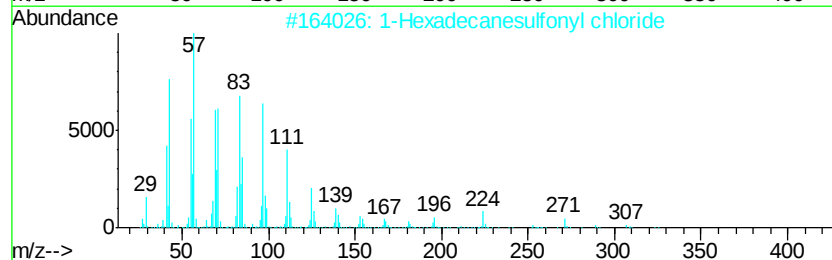
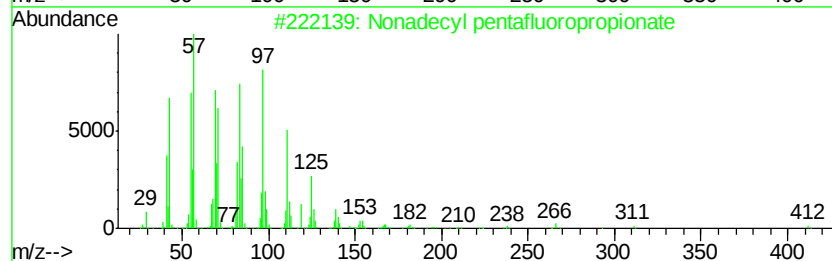
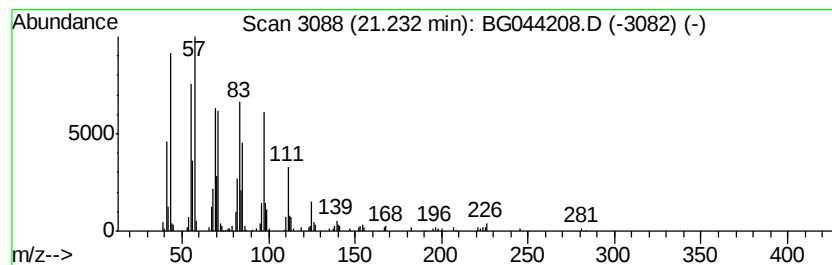
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Nonadecyl pentafluoropropio... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.23 | 5.58 ng | 360921 | Chrysene-d12     | 21.55 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Nonadecyl pentafluoropropionate     | 430 | C22H39F5O2  | 1000351-88-8 | 91   |
| 2    |    | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 91   |
| 3    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2  | 959218-78-1  | 91   |
| 4    |    | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2  | 959261-25-7  | 91   |
| 5    |    | Eicosyl pentafluoropropionate       | 444 | C23H41F5O2  | 1000351-80-8 | 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

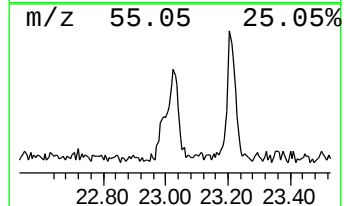
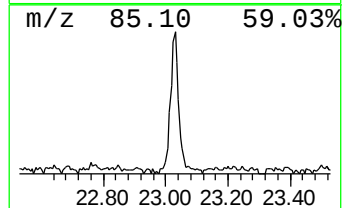
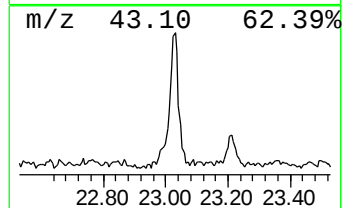
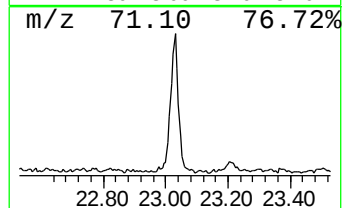
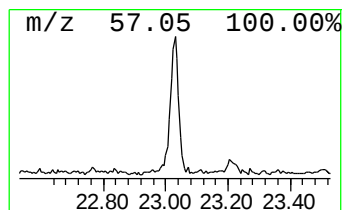
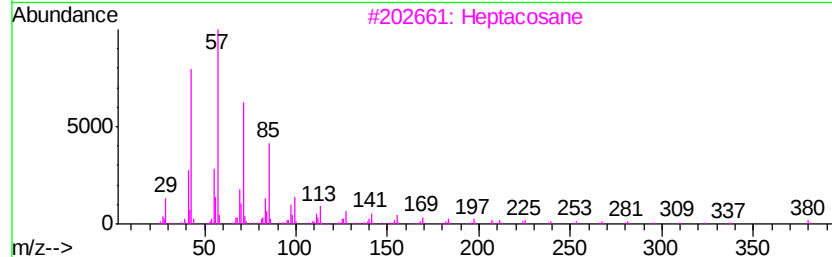
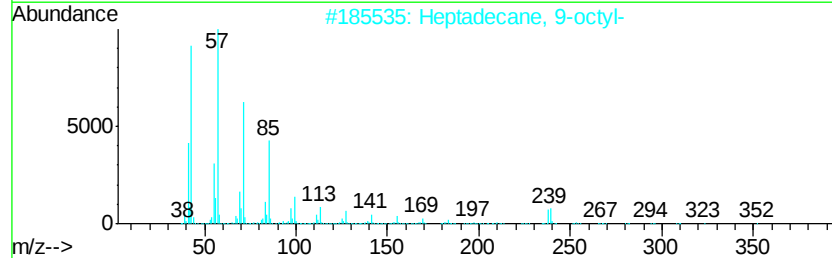
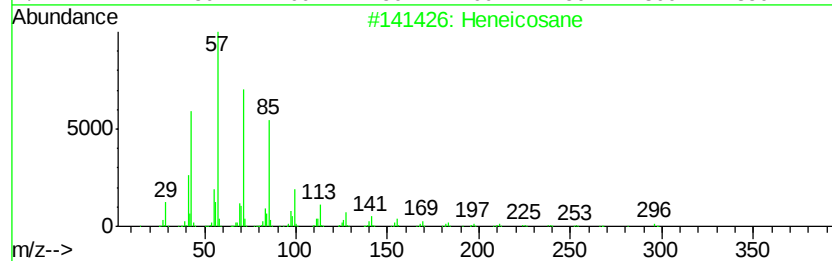
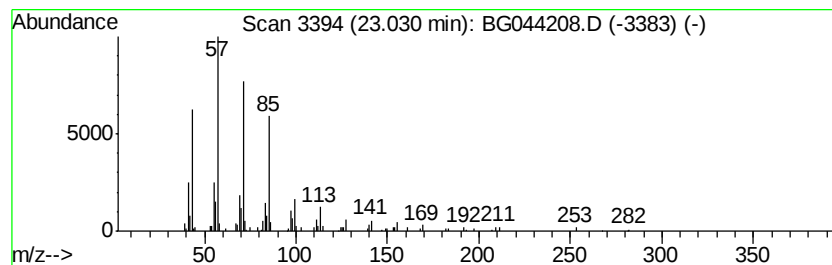
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heneicosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.03 | 2.61 ng | 168597 | Chrysene-d12     | 21.55 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane           |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1 | 91   |
| 3       | Heptacosane           |              | 380 | C27H56  | 000593-49-7 | 91   |
| 4       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 91   |
| 5       | Triacontane           |              | 422 | C30H62  | 000638-68-6 | 91   |



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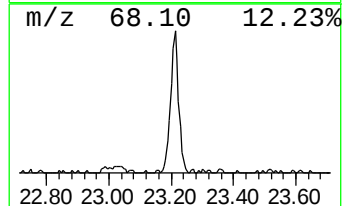
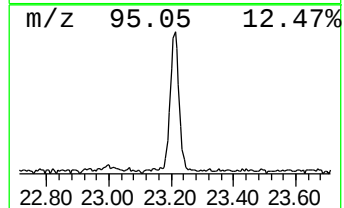
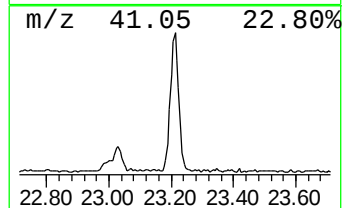
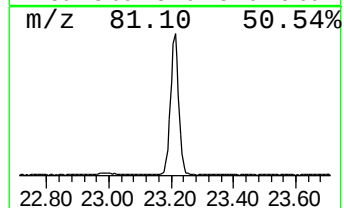
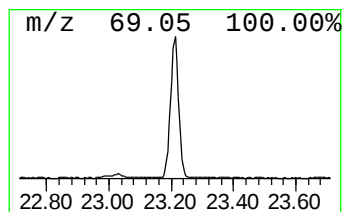
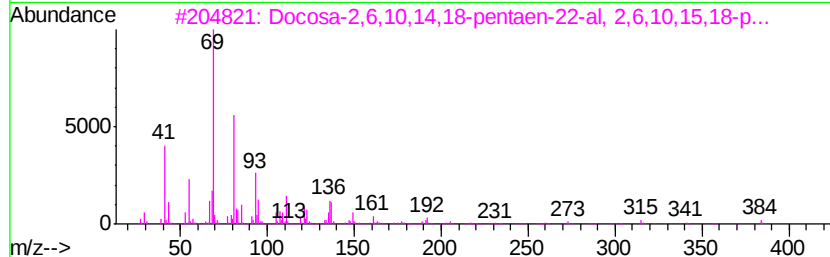
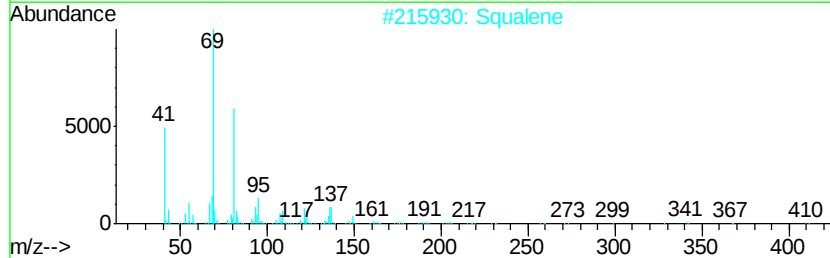
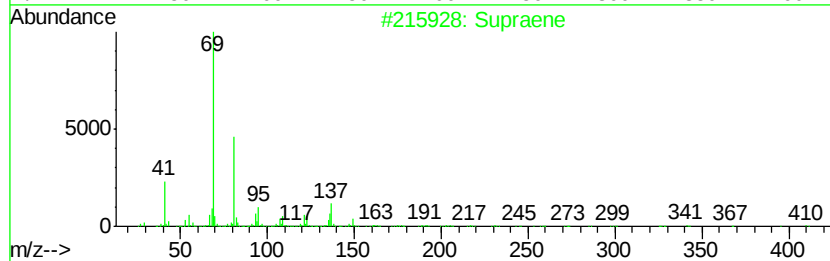
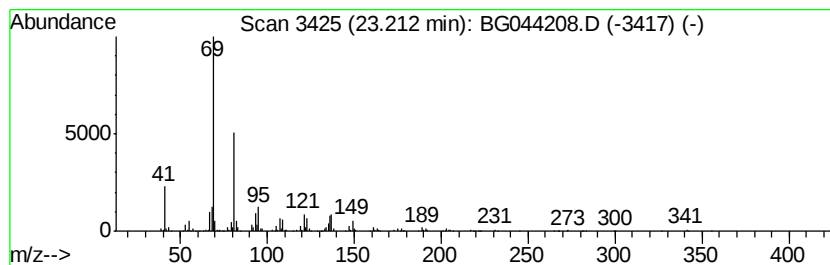
TIC Library : C:\Database\NIST11.L  
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Peak Number 4 Supraene Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.21 | 8.01 ng | 530910 | Perylene-d12     | 24.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Supraene                            | 410 | C30H50   | 007683-64-9  | 91   |
| 2    |    | Squalene                            | 410 | C30H50   | 000111-02-4  | 91   |
| 3    |    | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O  | 1000163-04-7 | 83   |
| 4    |    | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18   | 035387-63-4  | 58   |
| 5    |    | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6  | 53   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

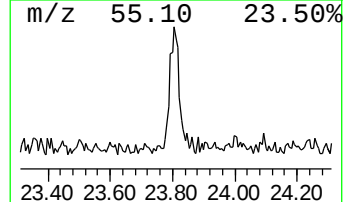
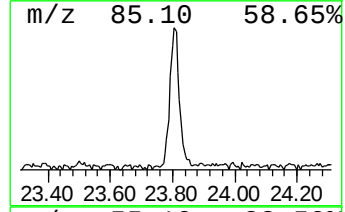
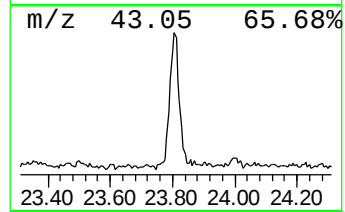
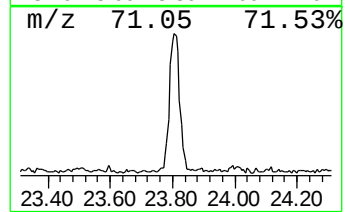
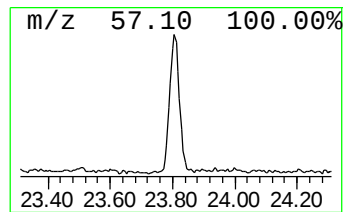
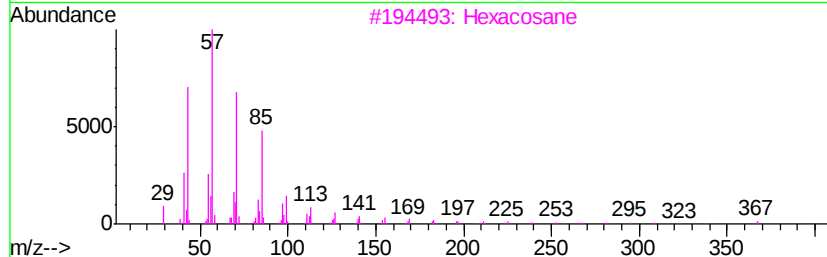
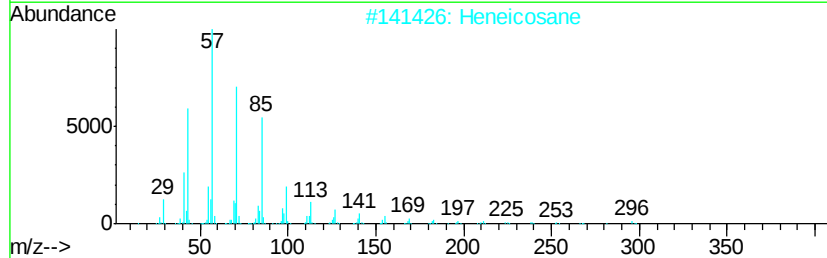
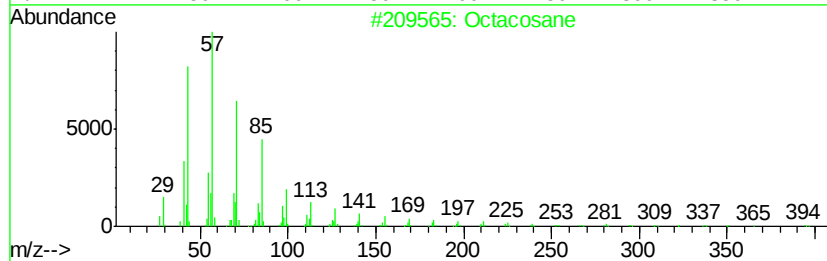
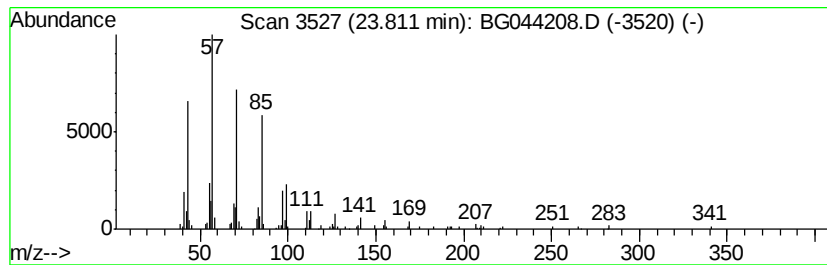
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Peak Number 5 Octacosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.81 | 2.15 ng | 142210 | Perylene-d12     | 24.66 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |
| 2    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 87   |



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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 |
| Nonadecyl pentafl... | 21.23 | 5.6     | ng    | 360921   | 5                     | 21.55 | 1293700 | 20.0 |
| Heneicosane          | 23.03 | 2.6     | ng    | 168597   | 5                     | 21.55 | 1293700 | 20.0 |
| Supraene             | 23.21 | 8.0     | ng    | 530910   | 6                     | 24.66 | 1325760 | 20.0 |
| Octacosane           | 23.81 | 2.1     | ng    | 142210   | 6                     | 24.66 | 1325760 | 20.0 |