

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\  
 Data File : BG044526.D  
 Acq On : 20 Feb 2020 18:36  
 Operator : CG/JU  
 Sample : L1577-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WFD-GW-01-23

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         | 5.390       | 386           | 392         | 397          | rBV      | 34361          | 55474         | 1.23%           | 0.263%        |
| 2         | 5.461       | 397           | 404         | 410          | rVV      | 527321         | 870687        | 19.27%          | 4.122%        |
| 3         | 5.520       | 410           | 414         | 425          | rVB      | 100507         | 221110        | 4.89%           | 1.047%        |
| 4         | 5.890       | 472           | 477         | 485          | rVB      | 37327          | 60803         | 1.35%           | 0.288%        |
| 5         | 7.053       | 668           | 675         | 688          | rBV      | 330515         | 602080        | 13.33%          | 2.850%        |
| 6         | 7.882       | 809           | 816         | 823          | rBV      | 206574         | 348135        | 7.71%           | 1.648%        |
| 7         | 8.205       | 863           | 871         | 884          | rBV      | 903775         | 1539582       | 34.08%          | 7.288%        |
| 8         | 9.039       | 1004          | 1013        | 1027         | rBV      | 649281         | 1222889       | 27.07%          | 5.789%        |
| 9         | 10.678      | 1285          | 1292        | 1309         | rVB      | 262537         | 506315        | 11.21%          | 2.397%        |
| 10        | 13.146      | 1704          | 1712        | 1719         | rBV      | 1860757        | 2944704       | 65.19%          | 13.940%       |
| 11        | 13.428      | 1753          | 1760        | 1774         | rVB      | 660764         | 1053983       | 23.33%          | 4.989%        |
| 12        | 13.974      | 1846          | 1853        | 1857         | rBV      | 53984          | 86352         | 1.91%           | 0.409%        |
| 13        | 14.486      | 1934          | 1940        | 1942         | rBV      | 189855         | 245237        | 5.43%           | 1.161%        |
| 14        | 14.521      | 1942          | 1946        | 1954         | rVB      | 469077         | 717486        | 15.88%          | 3.396%        |
| 15        | 16.013      | 2193          | 2200        | 2216         | rBV      | 1417402        | 2256090       | 49.94%          | 10.680%       |
| 16        | 16.877      | 2343          | 2347        | 2362         | rBV      | 77865          | 125685        | 2.78%           | 0.595%        |
| 17        | 17.265      | 2407          | 2413        | 2424         | rBV      | 584814         | 887860        | 19.65%          | 4.203%        |
| 18        | 19.885      | 2853          | 2859        | 2872         | rBV      | 3295897        | 4517327       | 100.00%         | 21.384%       |
| 19        | 21.184      | 3076          | 3080        | 3087         | rBV3     | 88166          | 145639        | 3.22%           | 0.689%        |
| 20        | 21.248      | 3087          | 3091        | 3095         | rVB      | 36673          | 52685         | 1.17%           | 0.249%        |
| 21        | 21.507      | 3129          | 3135        | 3148         | rVB      | 643695         | 1008915       | 22.33%          | 4.776%        |
| 22        | 21.707      | 3166          | 3169        | 3180         | rVB      | 33422          | 59446         | 1.32%           | 0.281%        |
| 23        | 22.294      | 3265          | 3269        | 3273         | rVB      | 47373          | 66009         | 1.46%           | 0.312%        |
| 24        | 22.952      | 3376          | 3381        | 3388         | rVB      | 61988          | 116845        | 2.59%           | 0.553%        |
| 25        | 23.722      | 3506          | 3512        | 3519         | rVB2     | 57903          | 122311        | 2.71%           | 0.579%        |
| 26        | 24.580      | 3647          | 3658        | 3675         | rBV2     | 381937         | 1196187       | 26.48%          | 5.662%        |
| 27        | 25.696      | 3839          | 3848        | 3857         | rVB4     | 31044          | 94951         | 2.10%           | 0.449%        |

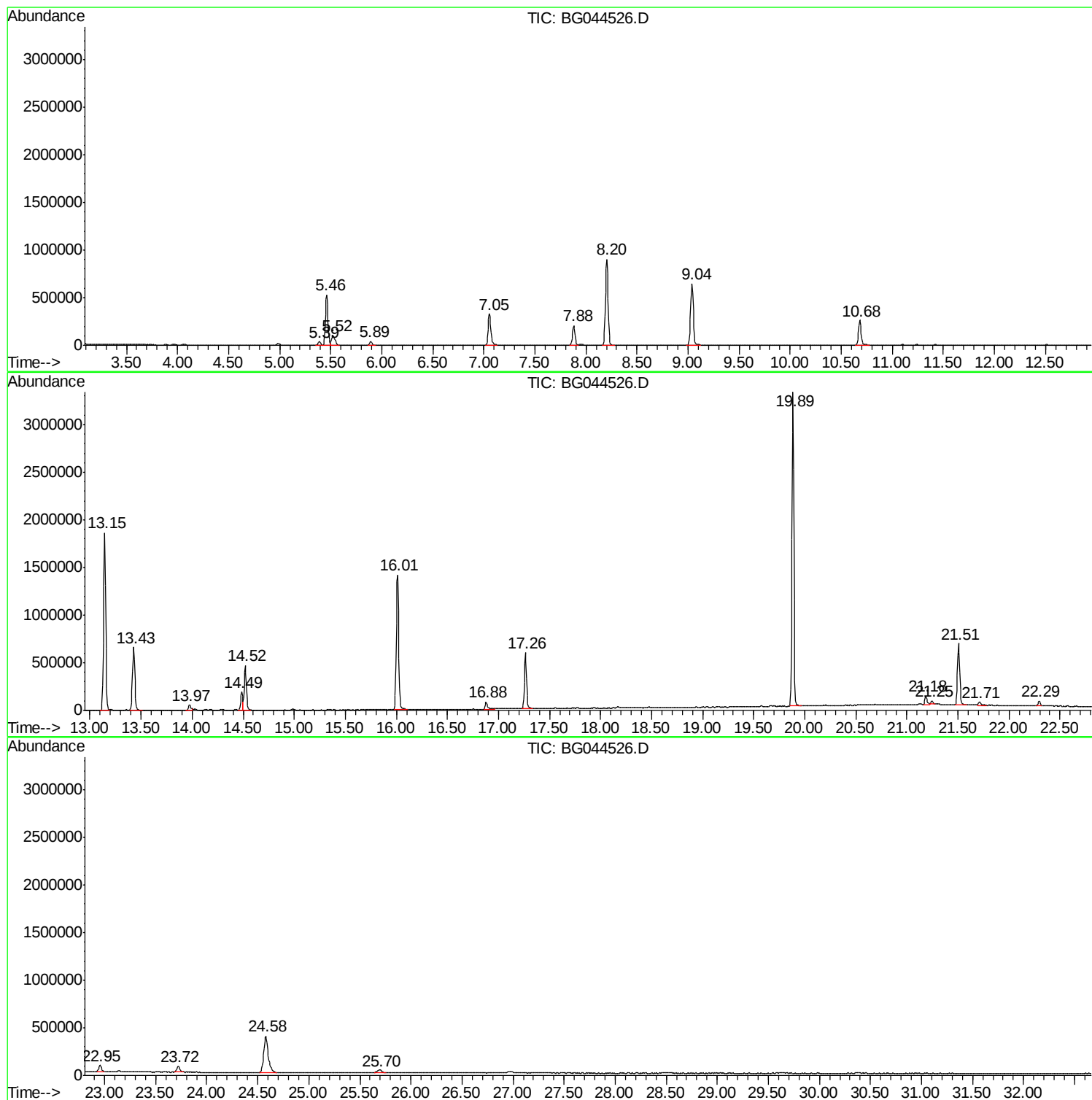
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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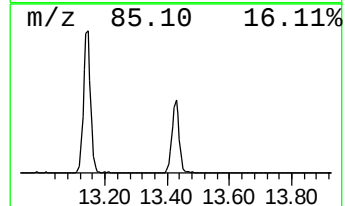
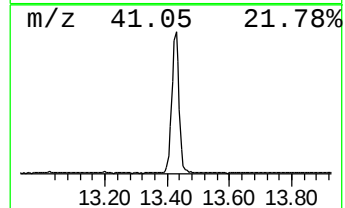
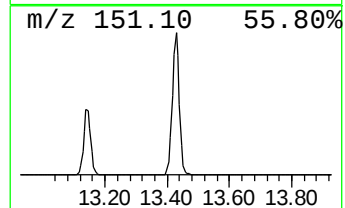
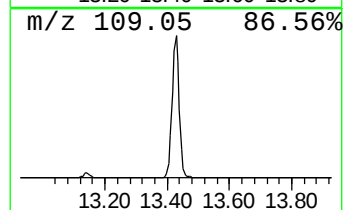
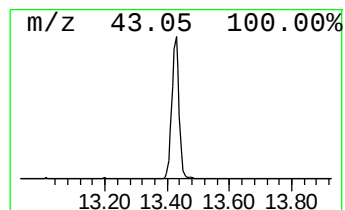
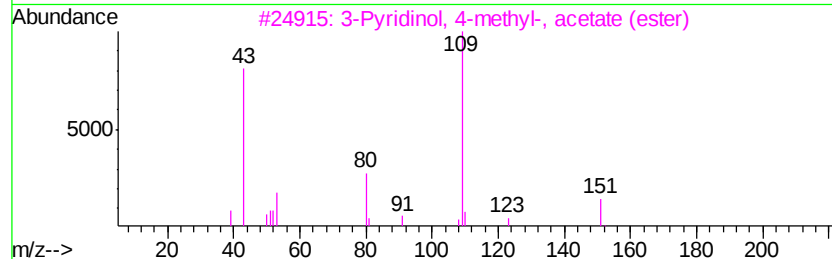
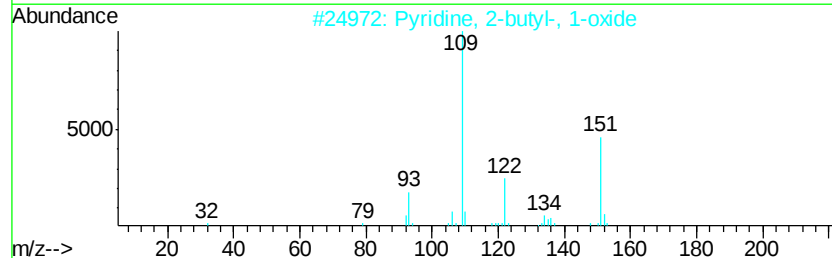
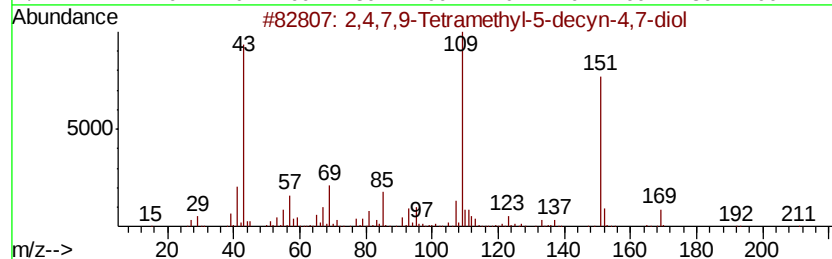
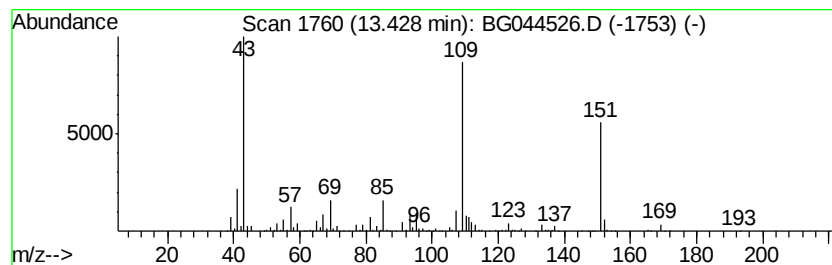
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 13.43   | 29.38 ng                            | 1053980      | Acenaphthene-d10 | 14.52     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 C14H26O2 | 000126-86-3      | 91        |
| 2       | Pyridine, 2-butyl-, 1-oxide         | 151 C9H13NO  | 031396-32-4      | 53        |
| 3       | 3-Pyridinol, 4-methyl-, acetate ... | 151 C8H9NO2  | 001006-96-8      | 53        |
| 4       | m-Isopropoxyaniline                 | 151 C9H13NO  | 041406-00-2      | 53        |
| 5       | Cyclohexanol, 3,3,5-trimethyl-      | 142 C9H18O   | 000116-02-9      | 43        |



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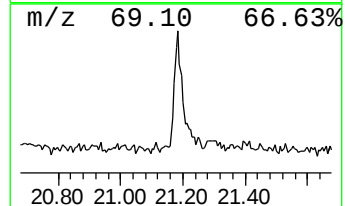
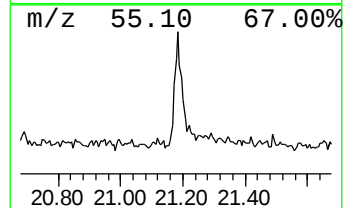
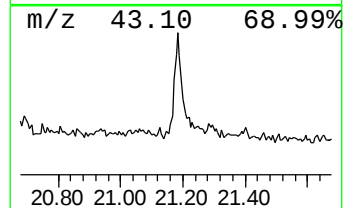
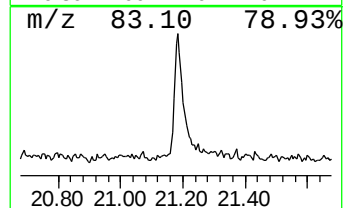
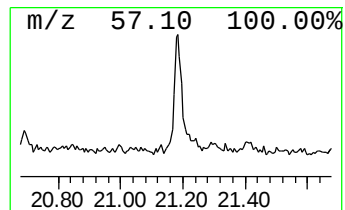
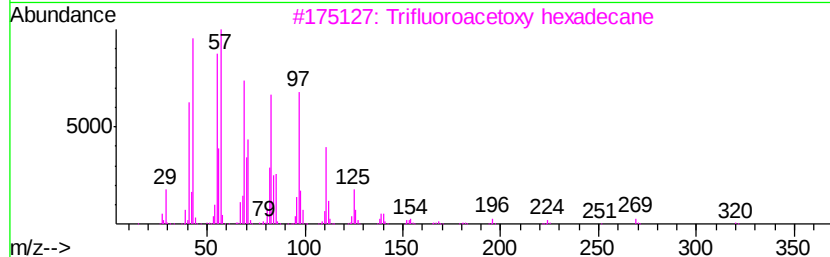
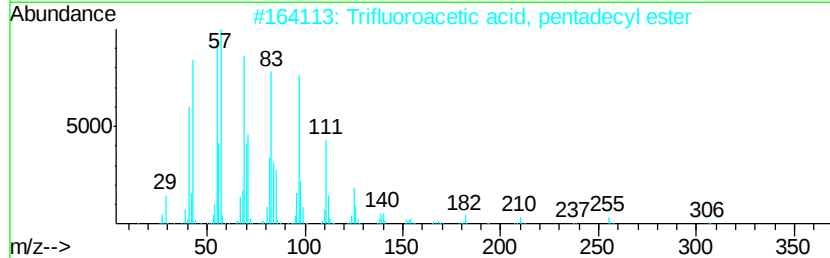
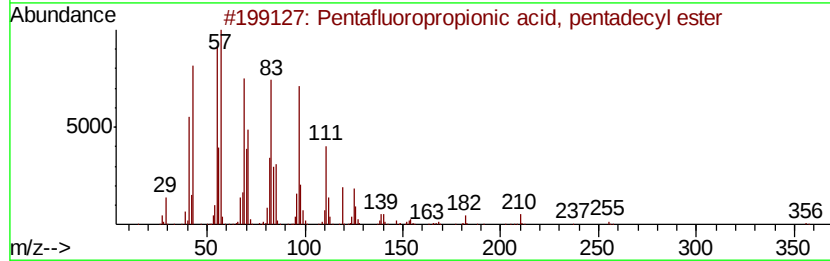
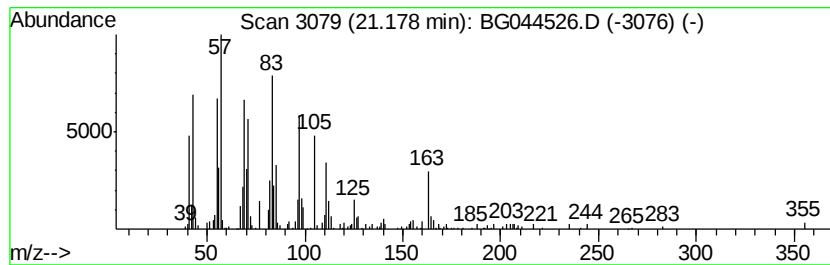
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Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.18 | 2.89 ng | 145639 | Chrysene-d12     | 21.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 90   |
| 2    |    | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 90   |
| 3    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 90   |
| 4    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 87   |
| 5    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 81   |



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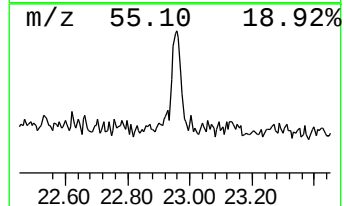
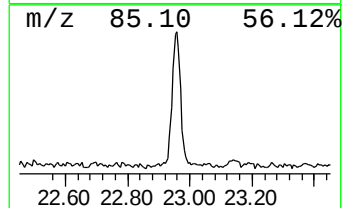
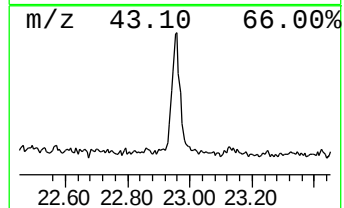
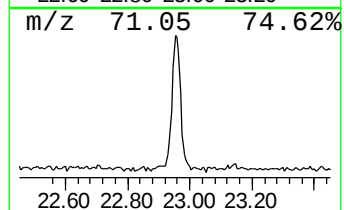
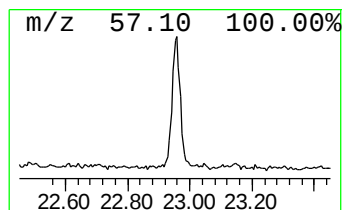
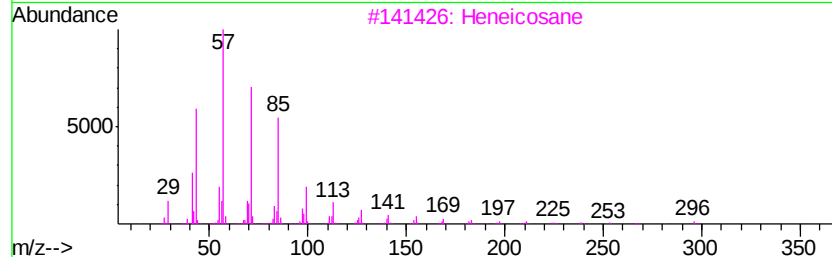
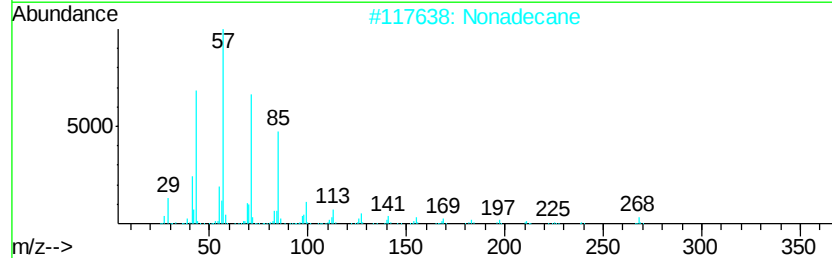
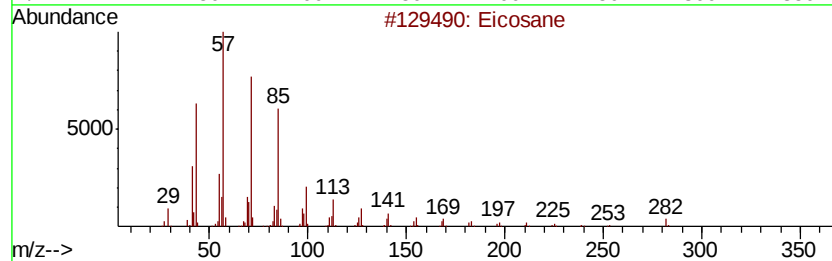
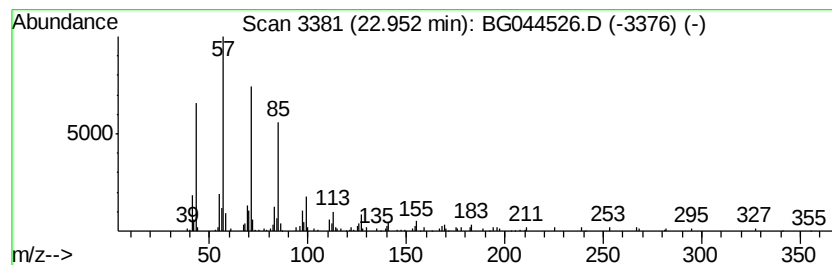
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Peak Number 8 Eicosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.95 | 2.32 ng | 116845 | Chrysene-d12     | 21.51 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 97   |
| 2    |    | Nonadecane   | 268 | C19H40  | 000629-92-5 | 93   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Triacontane  | 422 | C30H62  | 000638-68-6 | 91   |
| 5    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2,4,7,9-Tetrameth... | 13.43 | 29.4    | ng    | 1053980  | 3                     | 14.52 | 717486  | 20.0 |
| Pentafluoropropio... | 21.18 | 2.9     | ng    | 145639   | 5                     | 21.51 | 1008920 | 20.0 |
| Eicosane             | 22.95 | 2.3     | ng    | 116845   | 5                     | 21.51 | 1008920 | 20.0 |