

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072220\  
 Data File : BM026836.D  
 Acq On : 22 Jul 2020 17:26  
 Operator : JU/CG  
 Sample : L3373-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FK-BPM-03-016-ABCD

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\_M\METHODS\8270-BM070820.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         | 4.943       | 369           | 375         | 395          | rBV      | 1227871        | 1704672       | 42.33%          | 8.565%        |
| 2         | 6.513       | 633           | 642         | 663          | rBV      | 1259456        | 1902451       | 47.24%          | 9.559%        |
| 3         | 7.295       | 768           | 775         | 785          | rBV      | 285312         | 435028        | 10.80%          | 2.186%        |
| 4         | 8.448       | 964           | 971         | 990          | rBV      | 699849         | 1173193       | 29.13%          | 5.895%        |
| 5         | 10.048      | 1236          | 1243        | 1258         | rBV      | 331292         | 581460        | 14.44%          | 2.922%        |
| 6         | 12.566      | 1664          | 1671        | 1685         | rBV      | 1713194        | 2408059       | 59.80%          | 12.099%       |
| 7         | 13.442      | 1814          | 1820        | 1830         | rBV      | 202266         | 302545        | 7.51%           | 1.520%        |
| 8         | 13.960      | 1902          | 1908        | 1918         | rBV2     | 567221         | 814199        | 20.22%          | 4.091%        |
| 9         | 15.471      | 2159          | 2165        | 2175         | rBV      | 1560301        | 2142273       | 53.20%          | 10.764%       |
| 10        | 16.724      | 2368          | 2378        | 2390         | rBV      | 686822         | 984082        | 24.44%          | 4.945%        |
| 11        | 17.665      | 2533          | 2538        | 2545         | rBV      | 127572         | 174942        | 4.34%           | 0.879%        |
| 12        | 18.406      | 2659          | 2664        | 2669         | rBV      | 175223         | 212337        | 5.27%           | 1.067%        |
| 13        | 18.824      | 2730          | 2735        | 2746         | rVB3     | 29492          | 51704         | 1.28%           | 0.260%        |
| 14        | 18.959      | 2754          | 2758        | 2765         | rBV      | 43394          | 72812         | 1.81%           | 0.366%        |
| 15        | 19.059      | 2771          | 2775        | 2782         | rVB      | 31268          | 40646         | 1.01%           | 0.204%        |
| 16        | 19.389      | 2825          | 2831        | 2837         | rBV      | 3469847        | 4027151       | 100.00%         | 20.235%       |
| 17        | 20.083      | 2945          | 2949        | 2954         | rBV      | 36124          | 47629         | 1.18%           | 0.239%        |
| 18        | 20.294      | 2981          | 2985        | 2991         | rBV      | 215255         | 250424        | 6.22%           | 1.258%        |
| 19        | 20.694      | 3049          | 3053        | 3062         | rBV      | 268560         | 400423        | 9.94%           | 2.012%        |
| 20        | 20.947      | 3091          | 3096        | 3105         | rBV      | 848044         | 1071611       | 26.61%          | 5.384%        |
| 21        | 21.141      | 3126          | 3129        | 3133         | rBV2     | 35923          | 40325         | 1.00%           | 0.203%        |
| 22        | 21.559      | 3197          | 3200        | 3207         | rBV5     | 37624          | 71943         | 1.79%           | 0.361%        |
| 23        | 22.436      | 3347          | 3349        | 3353         | rVB      | 41461          | 43364         | 1.08%           | 0.218%        |
| 24        | 23.012      | 3441          | 3447        | 3456         | rVB      | 546464         | 949045        | 23.57%          | 4.769%        |

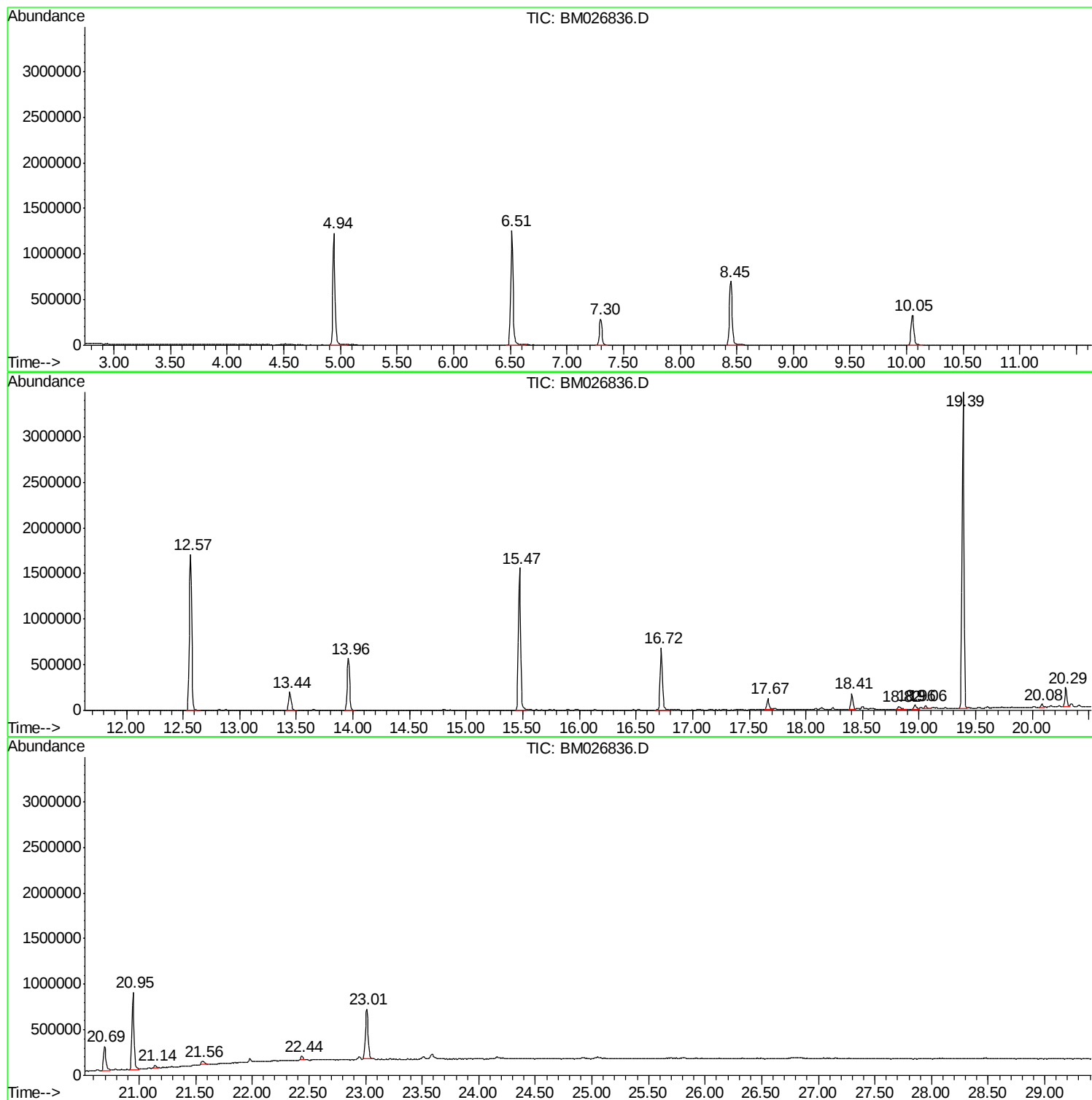
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Sample : L3373-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
FK-BPM-03-016-ABCD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.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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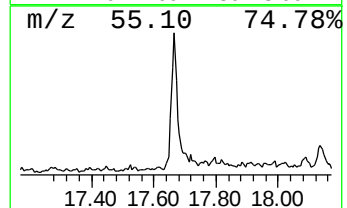
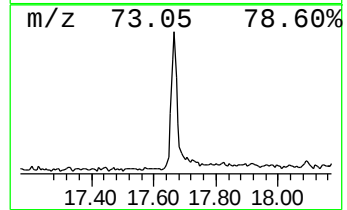
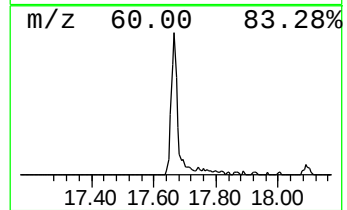
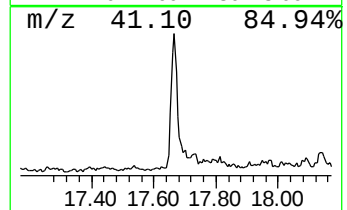
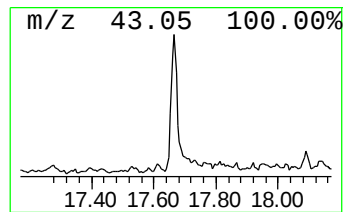
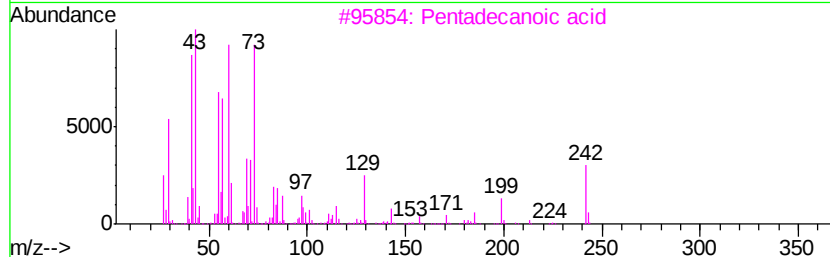
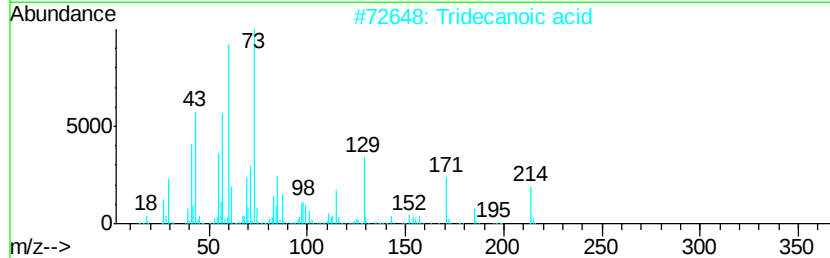
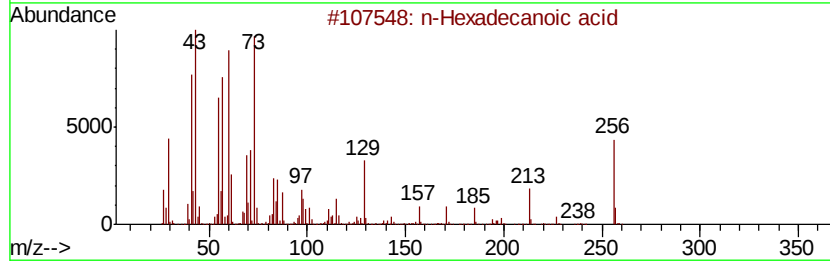
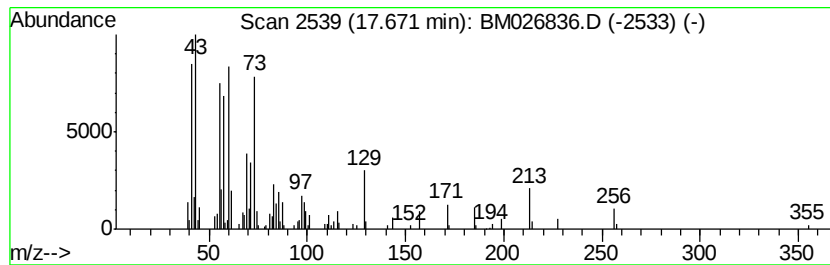
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.67 | 3.56 ng | 174942 | Phenanthrene-d10 | 16.72 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 3    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 72   |
| 4    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 5    |    | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 58   |



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Instrument :  
 BNA\_M  
 ClientSampleId :  
 FK-BPM-03-016-ABCD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

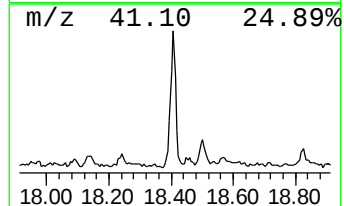
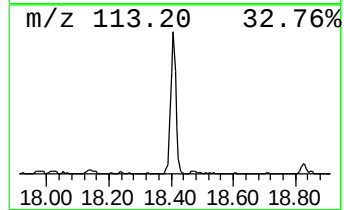
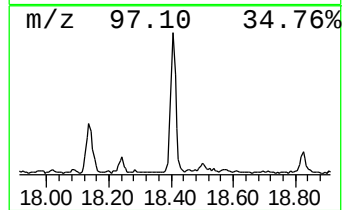
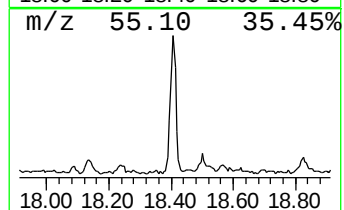
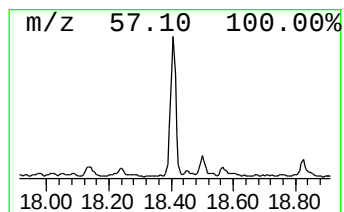
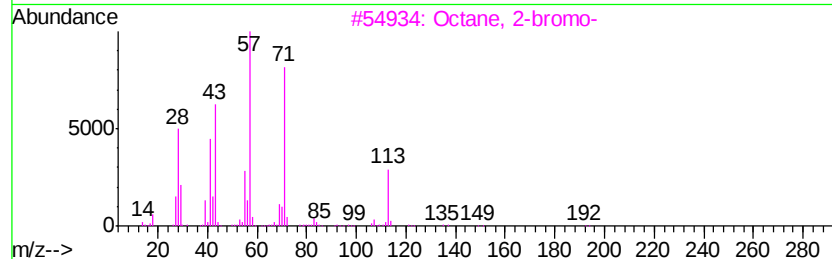
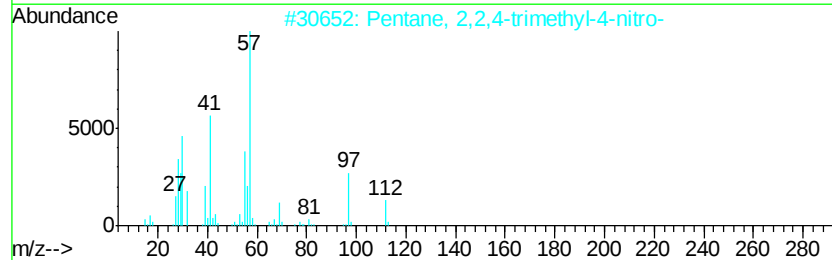
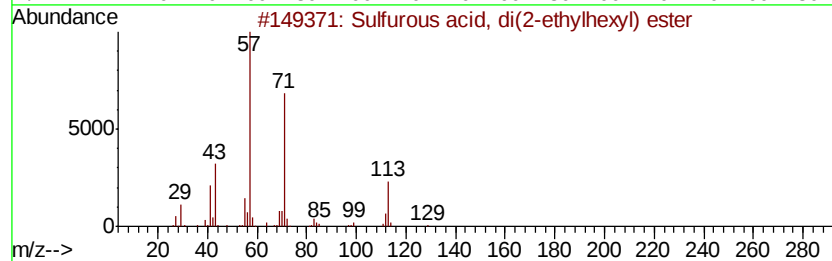
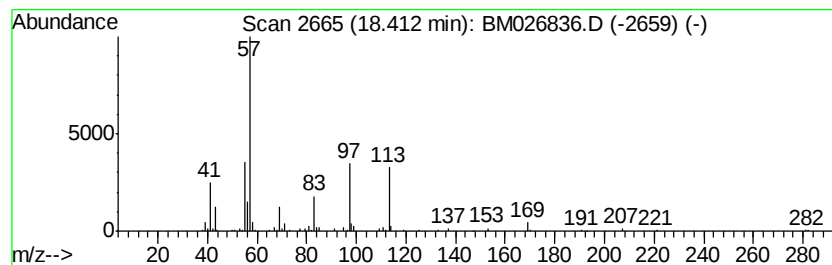
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 2 unknown18.41 Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.41 | 4.32 ng | 212337 | Phenanthrene-d10 | 16.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Sulfurous acid, di(2-ethylhexyl)... | 306 | C16H34O3S  | 1000309-19-1 | 47   |
| 2    |    | Pentane, 2,2,4-trimethyl-4-nitro-   | 159 | C8H17NO2   | 005342-78-9  | 47   |
| 3    |    | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 47   |
| 4    |    | 2,4,4-Trimethyl-1-pentanol, hept... | 326 | C12H17F7O2 | 1000365-01-4 | 43   |
| 5    |    | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224 | C16H32     | 015796-04-0  | 39   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
FK-BPM-03-016-ABCD

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

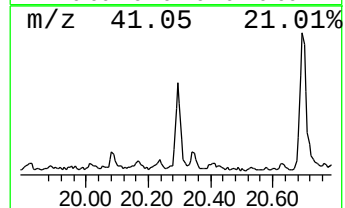
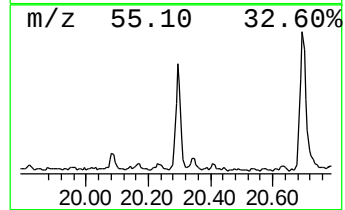
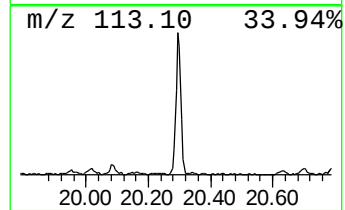
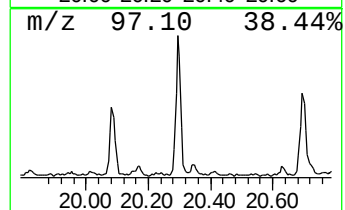
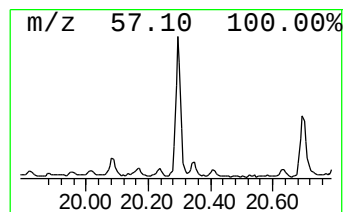
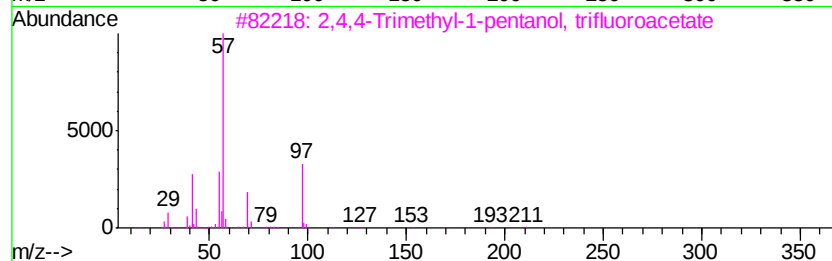
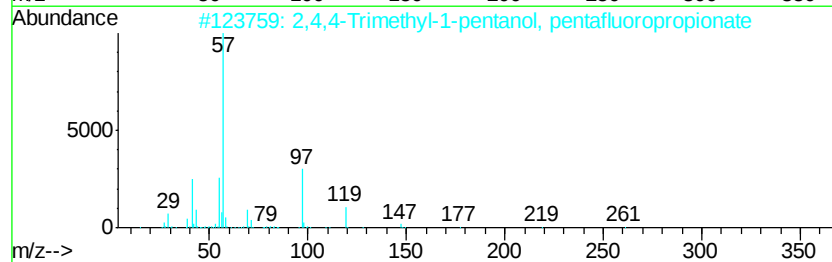
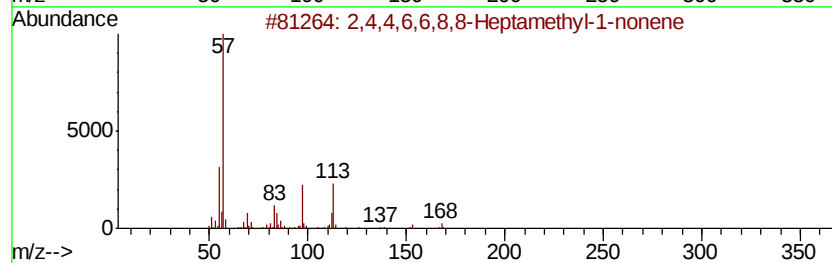
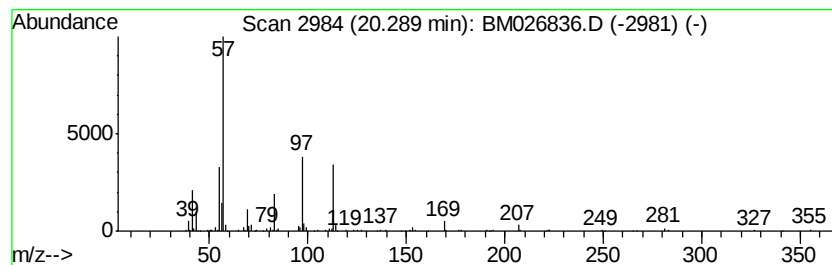
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.29 | 4.67 ng | 250424 | Chrysene-d12     | 20.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224 | C16H32     | 015796-04-0  | 53   |
| 2    |    | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F5O2 | 1000365-51-0 | 50   |
| 3    |    | 2,4,4-Trimethyl-1-pentanol, trif... | 226 | C10H17F3O2 | 1000365-19-5 | 38   |
| 4    |    | Octane, 2-iodo-                     | 240 | C8H17I     | 000557-36-8  | 32   |
| 5    |    | Octane, 2-bromo-                    | 192 | C8H17Br    | 000557-35-7  | 32   |



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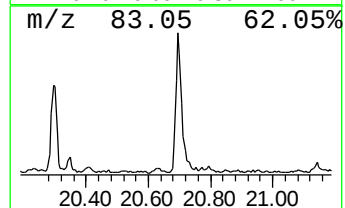
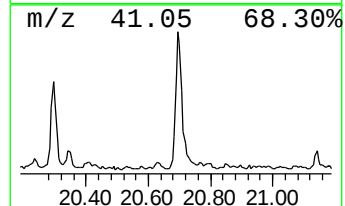
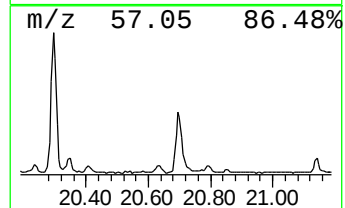
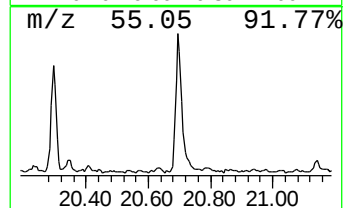
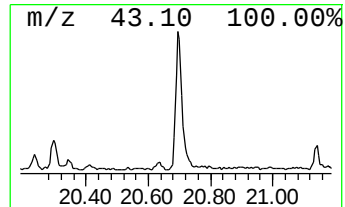
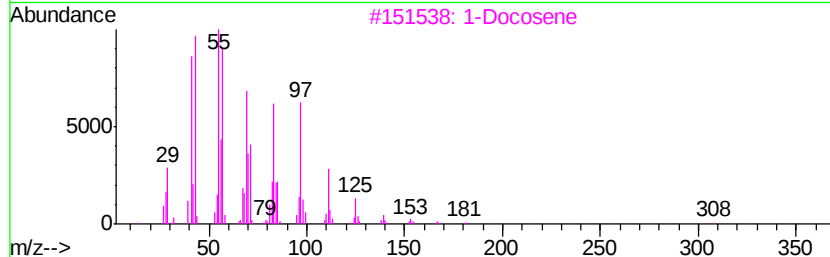
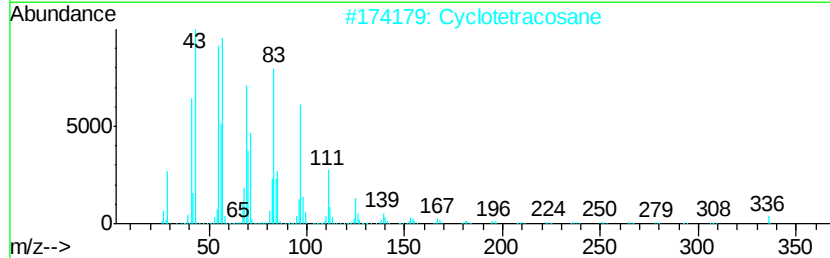
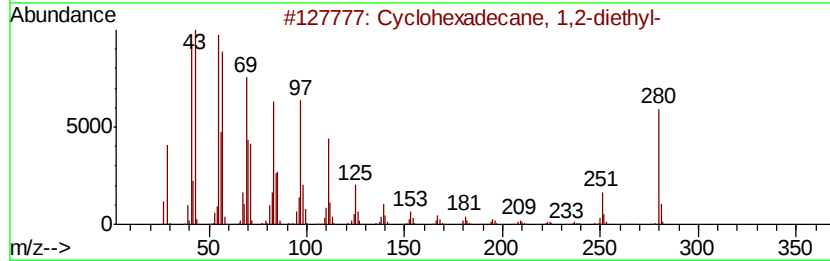
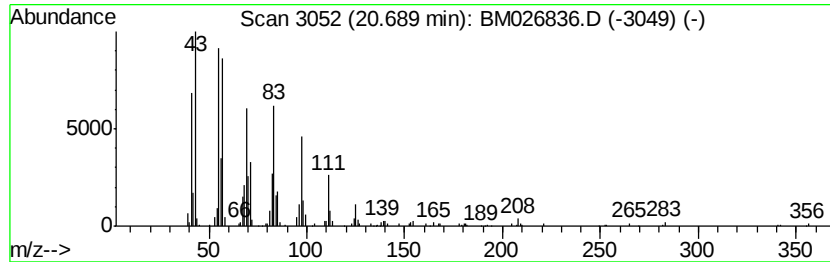
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TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 4 Cyclohexadecane, 1,2-diethyl- Concentration Rank 1

| R.T.      | EstConc                       | Area   | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------|--------|------------------|--------------|-------|
| 20.69     | 7.47 ng                       | 400423 | Chrysene-d12     |              | 20.95 |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#         | Qual  |
| 1         | Cvclohexadecane, 1,2-diethyl- | 280    | C20H40           | 1000155-85-3 | 98    |
| 2         | Cyclotetracosane              | 336    | C24H48           | 000297-03-0  | 95    |
| 3         | 1-Docosene                    | 308    | C22H44           | 001599-67-3  | 94    |
| 4         | Heptadecyl heptafluorobutyrte | 452    | C21H35F7O2       | 959085-66-6  | 91    |
| 5         | Octadecyl trifluoroacetate    | 366    | C20H37F3O2       | 079392-43-1  | 91    |



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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 |
| n-Hexadecanoic acid  | 17.67 | 3.6     | ng    | 174942   | 4                     | 16.72 | 984082  | 20.0 |
| unknown18.41         | 18.41 | 4.3     | ng    | 212337   | 4                     | 16.72 | 984082  | 20.0 |
| 2,4,4,6,6,8,8-Hep... | 20.29 | 4.7     | ng    | 250424   | 5                     | 20.95 | 1071610 | 20.0 |
| Cyclohexadecane, ... | 20.69 | 7.5     | ng    | 400423   | 5                     | 20.95 | 1071610 | 20.0 |