

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031121\  
 Data File : BM029102.D  
 Acq On : 11 Mar 2021 19:36  
 Operator : CG/JU  
 Sample : M1640-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-20-A

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\_M\Methods\8270-BM022321.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029102.D\data.ms

| 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         | 5.234       | 376           | 382         | 397          | rBV      | 132386         | 191583        | 55.84%          | 9.798%        |
| 2         | 6.857       | 652           | 658         | 670          | rBV      | 122593         | 194298        | 56.63%          | 9.937%        |
| 3         | 7.657       | 788           | 794         | 802          | rBB      | 32502          | 48048         | 14.00%          | 2.457%        |
| 4         | 8.834       | 988           | 994         | 1006         | rBV      | 77129          | 121906        | 35.53%          | 6.234%        |
| 5         | 10.451      | 1263          | 1269        | 1275         | rBV      | 40136          | 63391         | 18.48%          | 3.242%        |
| 6         | 12.939      | 1686          | 1692        | 1702         | rBV      | 172452         | 240013        | 69.95%          | 12.275%       |
| 7         | 13.798      | 1833          | 1838        | 1842         | rVB      | 3031           | 3627          | 1.06%           | 0.185%        |
| 8         | 14.327      | 1923          | 1928        | 1936         | rBV2     | 57278          | 79643         | 23.21%          | 4.073%        |
| 9         | 15.827      | 2178          | 2183        | 2193         | rBV      | 137567         | 185916        | 54.19%          | 9.508%        |
| 10        | 17.074      | 2389          | 2395        | 2401         | rBV      | 66070          | 90571         | 26.40%          | 4.632%        |
| 11        | 17.968      | 2542          | 2547        | 2555         | rBV      | 27675          | 38811         | 11.31%          | 1.985%        |
| 12        | 18.704      | 2667          | 2672        | 2677         | rBV      | 2581           | 3528          | 1.03%           | 0.180%        |
| 13        | 19.133      | 2739          | 2745        | 2749         | rBV5     | 2885           | 5120          | 1.49%           | 0.262%        |
| 14        | 19.251      | 2762          | 2765        | 2771         | rBV2     | 11713          | 17973         | 5.24%           | 0.919%        |
| 15        | 19.703      | 2837          | 2842        | 2848         | rVB      | 288251         | 343102        | 100.00%         | 17.547%       |
| 16        | 19.998      | 2888          | 2892        | 2898         | rBV5     | 4009           | 6637          | 1.93%           | 0.339%        |
| 17        | 20.498      | 2974          | 2977        | 2982         | rVB3     | 5669           | 7520          | 2.19%           | 0.385%        |
| 18        | 20.968      | 3053          | 3057        | 3065         | rVB2     | 32719          | 51814         | 15.10%          | 2.650%        |
| 19        | 21.250      | 3100          | 3105        | 3112         | rBV      | 97676          | 127186        | 37.07%          | 6.504%        |
| 20        | 23.409      | 3466          | 3472        | 3479         | rBV2     | 72381          | 134667        | 39.25%          | 6.887%        |

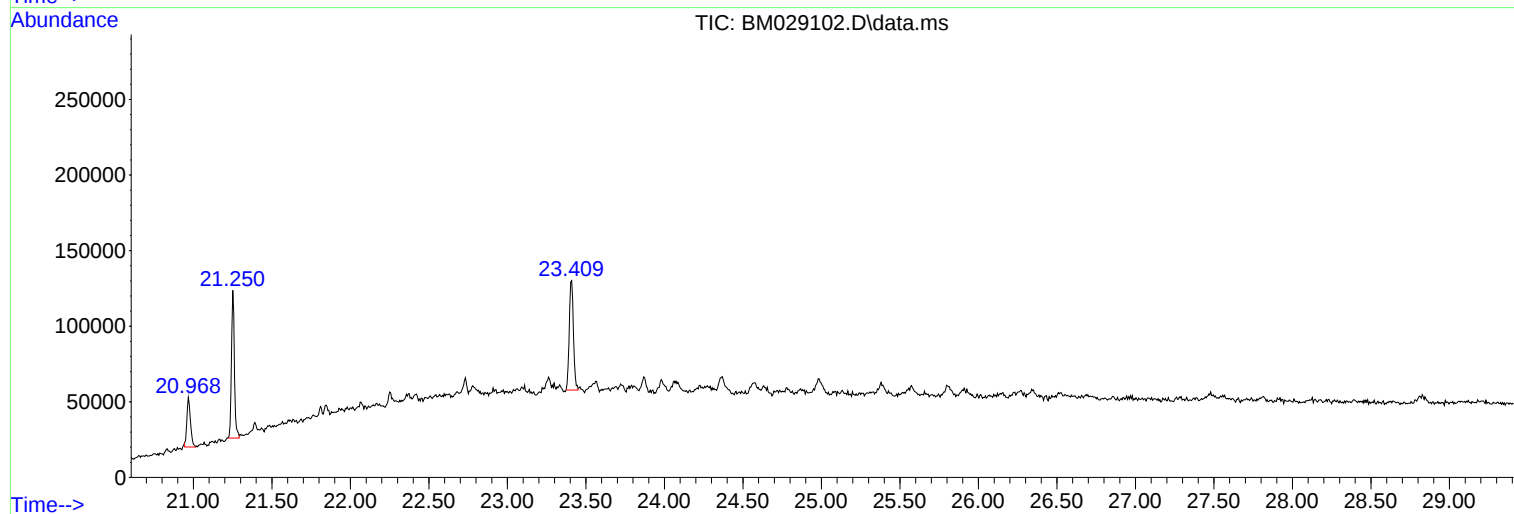
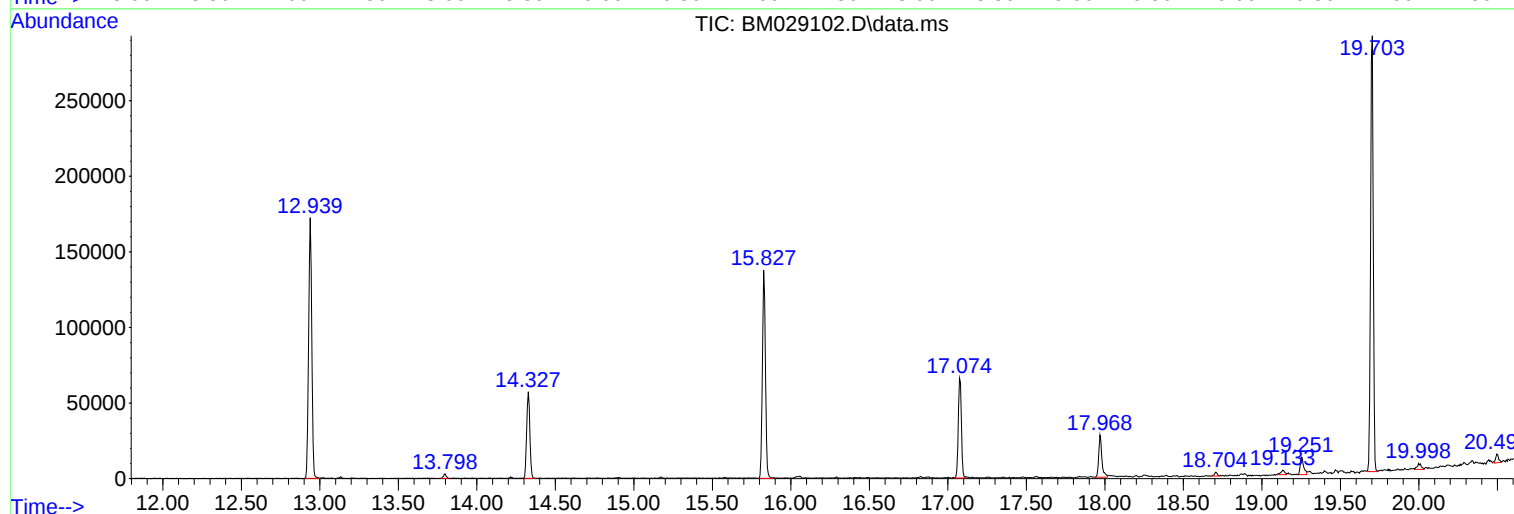
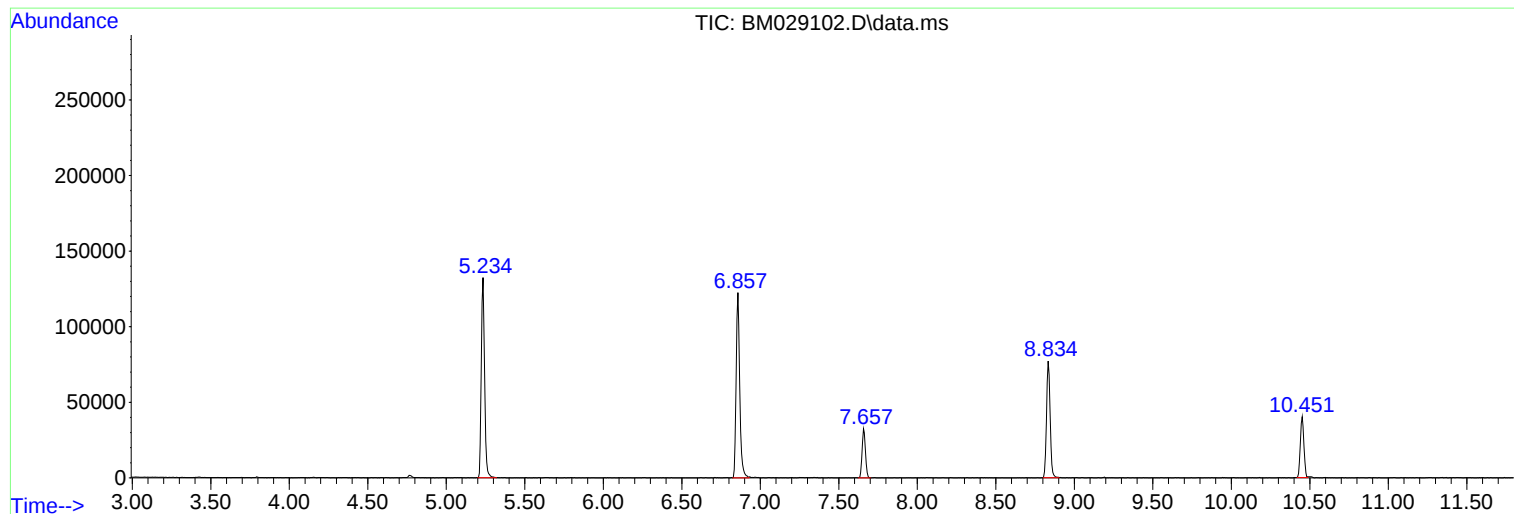
Sum of corrected areas: 1955354

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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-20-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.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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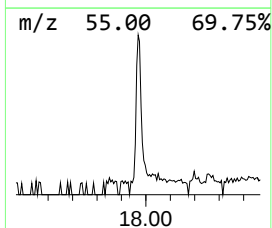
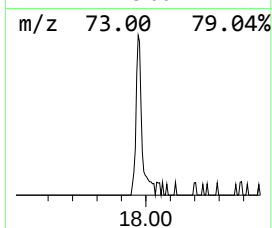
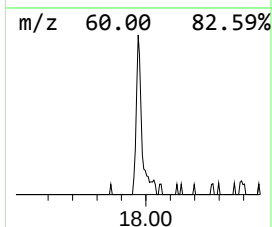
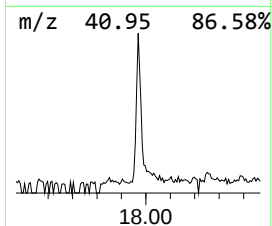
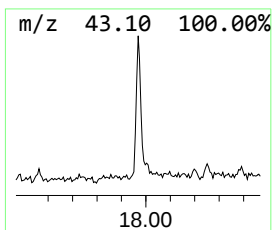
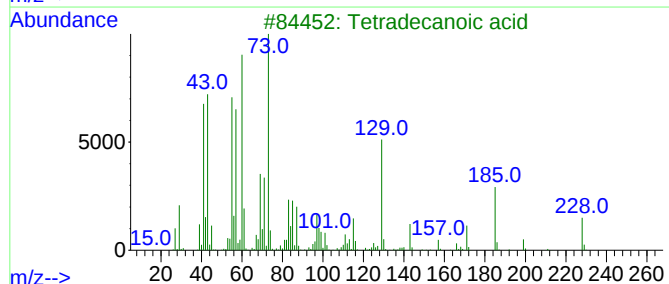
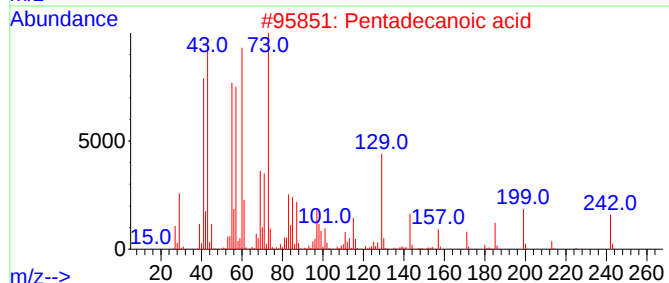
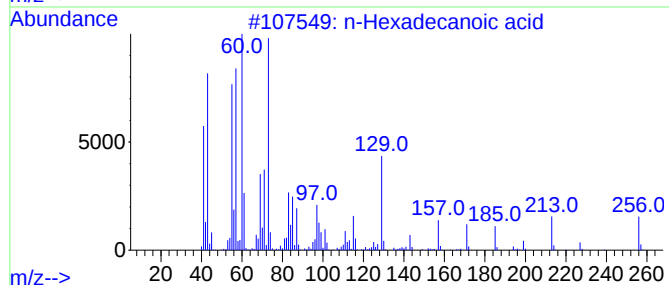
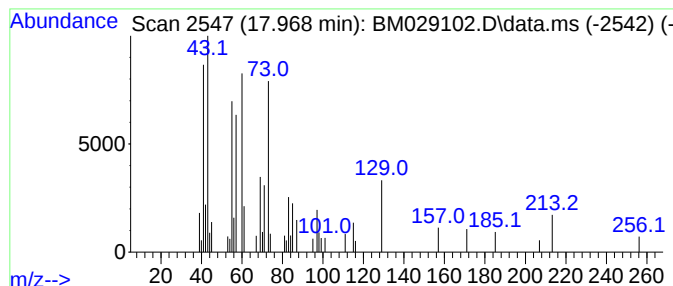
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 17.968 | 8.57 ng | 38811 | Phenanthrene-d10 | 17.074 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 47   |



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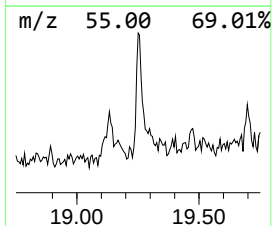
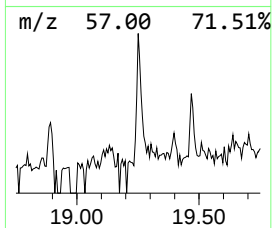
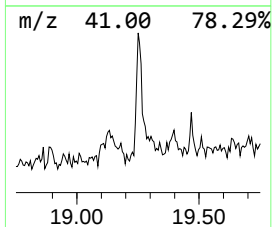
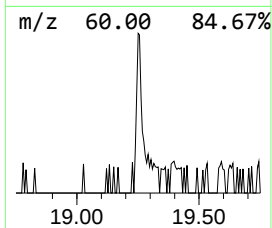
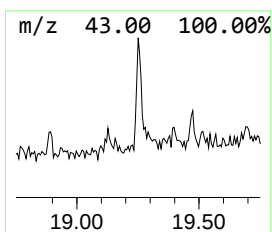
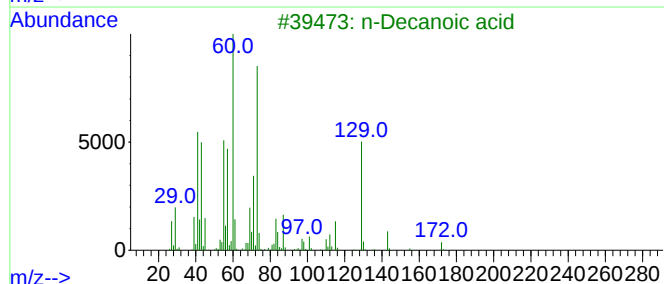
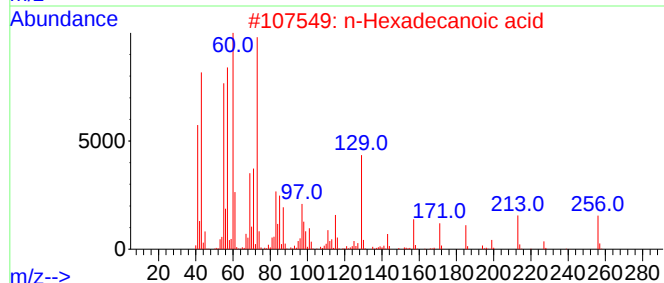
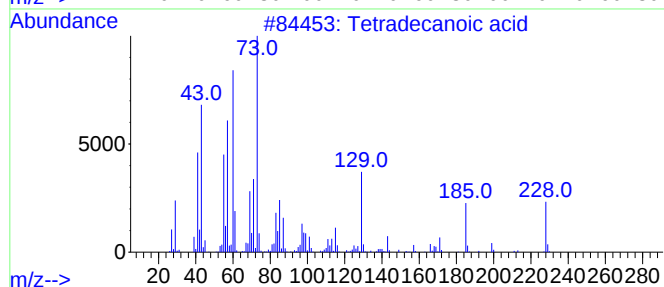
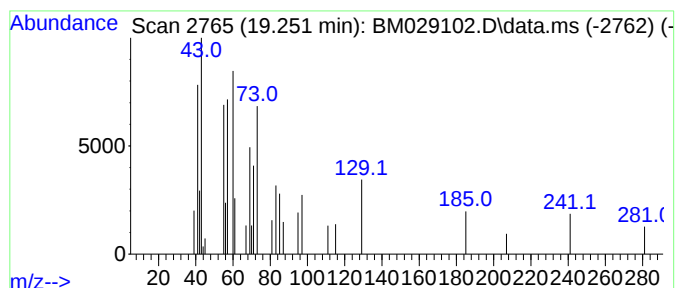
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Peak Number 2 Tetradecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 19.250 | 2.83 ng | 17973 | Chrysene-d12     | 21.250 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tetradecanoic acid                  | 228 | C14H28O2 | 000544-63-8  | 59   |
| 2    |    |   | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3  | 47   |
| 3    |    |   | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5  | 47   |
| 4    |    |   | Tridecanoic acid                    | 214 | C13H26O2 | 000638-53-9  | 38   |
| 5    |    |   | Oxalic acid, allyl tetradecyl ester | 326 | C19H34O4 | 1000309-24-2 | 22   |



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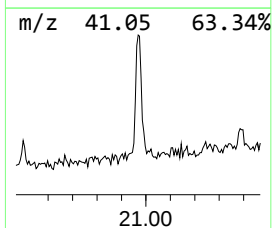
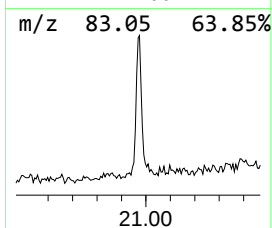
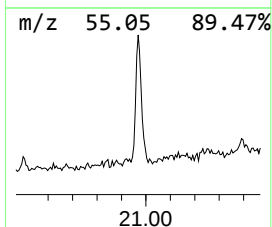
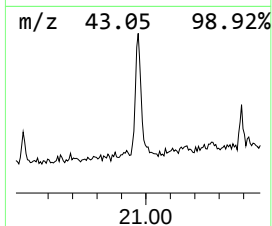
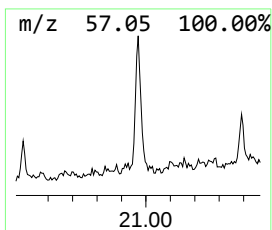
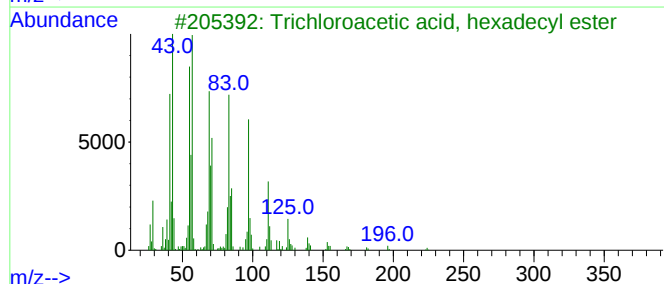
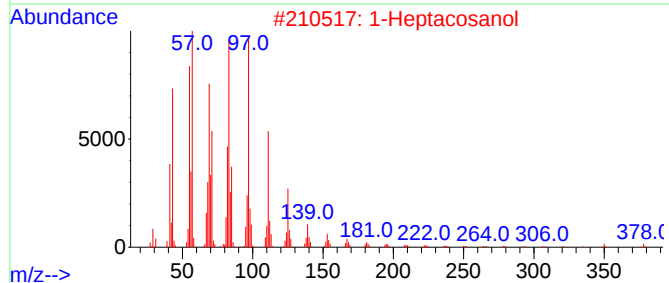
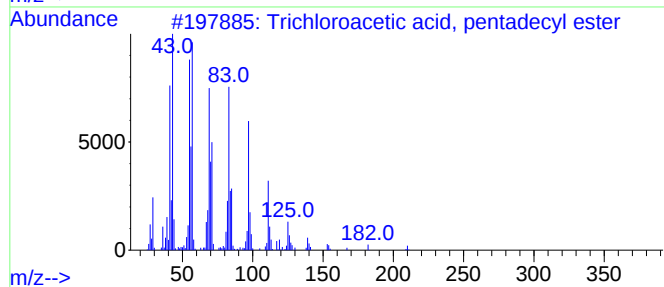
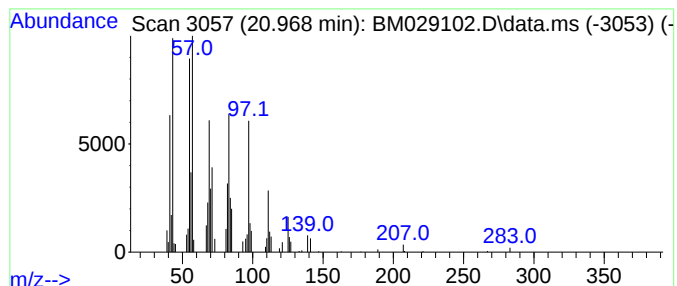
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Peak Number 3 Trichloroacetic acid, penta... Concentration Rank 2

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 20.968 | 8.15 ng | 51814 | Chrysene-d12     | 21.250 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 94   |
| 2    |    |   | 1-Heptacosanol                      | 396 | C27H56O     | 002004-39-9  | 91   |
| 3    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |
| 4    |    |   | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2  | 006222-03-3  | 91   |
| 5    |    |   | 4-Trifluoroacetoxylhexadecane       | 338 | C18H33F3O2  | 1000215-97-5 | 91   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| n-Hexadecanoic ... | 17.968 | 8.6     | ng    | 38811    | 4                     | 17.074 | 90571  | 20.0 |
| Tetradecanoic acid | 19.250 | 2.8     | ng    | 17973    | 5                     | 21.250 | 127186 | 20.0 |
| Trichloroacetic... | 20.968 | 8.2     | ng    | 51814    | 5                     | 21.250 | 127186 | 20.0 |