

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051119\  
 Data File : BM020278.D  
 Acq On : 11 May 2019 18:32  
 Operator : JU/SJ  
 Sample : K2763-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P021-SS004-1218-01

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-BM043019.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         | 5.351       | 396           | 402         | 411          | rBV      | 1043363        | 1556568       | 54.96%          | 8.849%        |
| 2         | 6.934       | 664           | 671         | 686          | rBV      | 998358         | 1614845       | 57.02%          | 9.180%        |
| 3         | 7.298       | 726           | 733         | 750          | rBV      | 1056025        | 1693997       | 59.81%          | 9.630%        |
| 4         | 7.769       | 807           | 813         | 820          | rBV      | 192462         | 314553        | 11.11%          | 1.788%        |
| 5         | 8.081       | 859           | 866         | 874          | rBV      | 751034         | 1239544       | 43.76%          | 7.046%        |
| 6         | 8.933       | 1004          | 1011        | 1030         | rBV      | 565071         | 998497        | 35.25%          | 5.676%        |
| 7         | 10.557      | 1281          | 1287        | 1298         | rBV      | 199108         | 358383        | 12.65%          | 2.037%        |
| 8         | 13.027      | 1701          | 1707        | 1718         | rBV      | 1245855        | 1878798       | 66.34%          | 10.680%       |
| 9         | 13.868      | 1845          | 1850        | 1859         | rBV      | 150900         | 220008        | 7.77%           | 1.251%        |
| 10        | 14.410      | 1937          | 1942        | 1954         | rBV2     | 304101         | 482099        | 17.02%          | 2.741%        |
| 11        | 15.904      | 2190          | 2196        | 2215         | rBV      | 1158710        | 1737912       | 61.36%          | 9.879%        |
| 12        | 17.162      | 2402          | 2410        | 2419         | rBV2     | 415153         | 614616        | 21.70%          | 3.494%        |
| 13        | 18.045      | 2555          | 2560        | 2569         | rBV2     | 89642          | 142909        | 5.05%           | 0.812%        |
| 14        | 19.327      | 2774          | 2778        | 2783         | rBV3     | 36868          | 55922         | 1.97%           | 0.318%        |
| 15        | 19.786      | 2851          | 2856        | 2867         | rBV      | 2213410        | 2832281       | 100.00%         | 16.101%       |
| 16        | 21.044      | 3066          | 3070        | 3077         | rBV2     | 75882          | 107002        | 3.78%           | 0.608%        |
| 17        | 21.350      | 3117          | 3122        | 3130         | rBV2     | 609625         | 805170        | 28.43%          | 4.577%        |
| 18        | 22.391      | 3296          | 3299        | 3304         | rBV3     | 42188          | 58717         | 2.07%           | 0.334%        |
| 19        | 22.909      | 3384          | 3387        | 3392         | rVB3     | 61325          | 79824         | 2.82%           | 0.454%        |
| 20        | 23.638      | 3505          | 3511        | 3519         | rVB      | 425379         | 799498        | 28.23%          | 4.545%        |

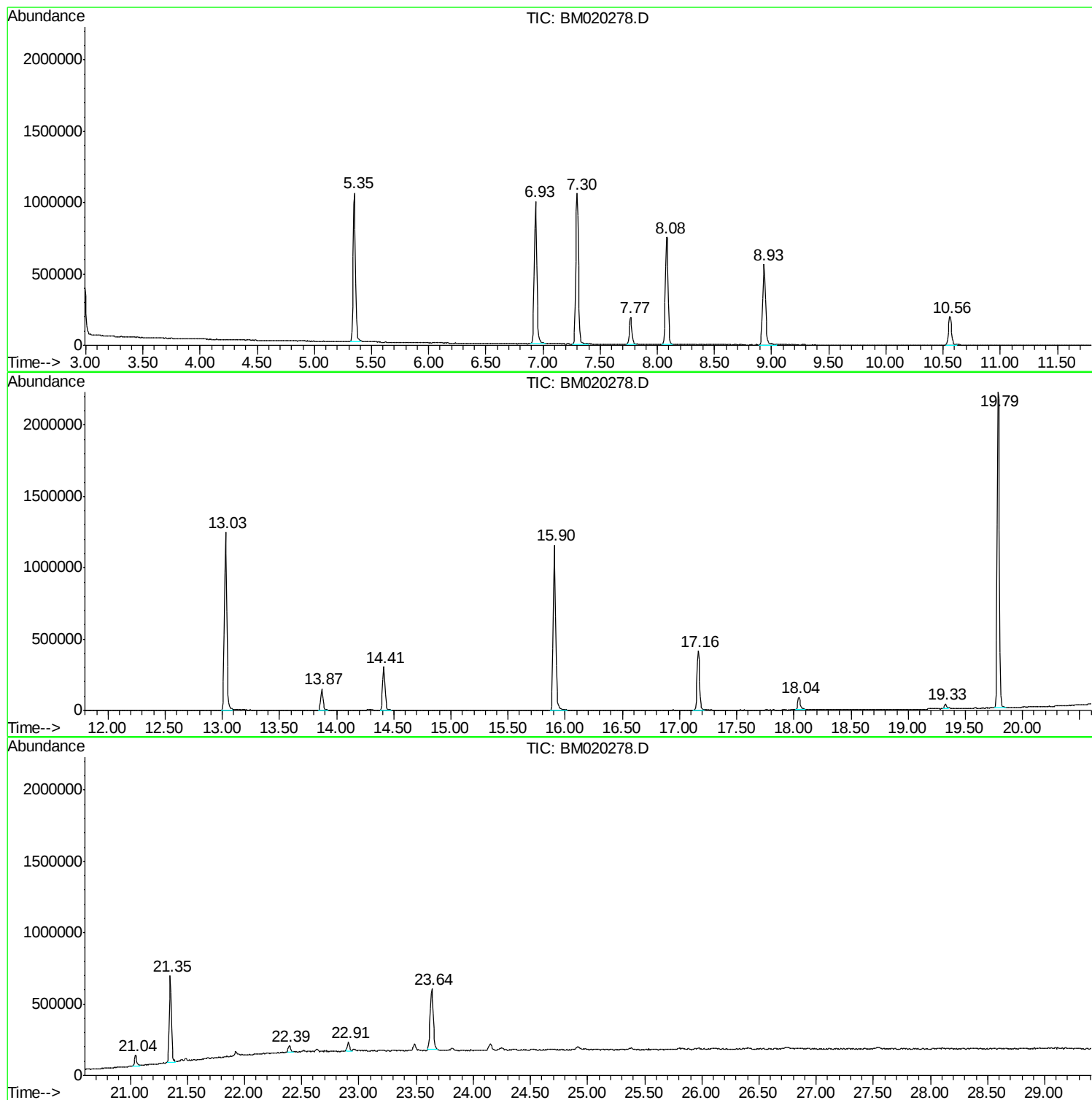
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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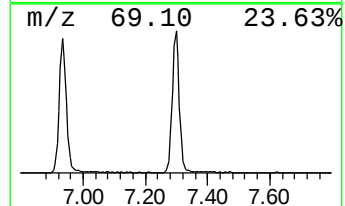
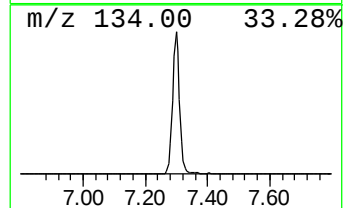
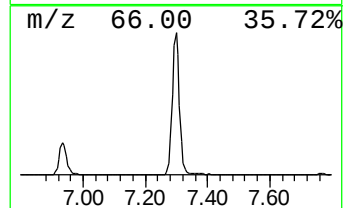
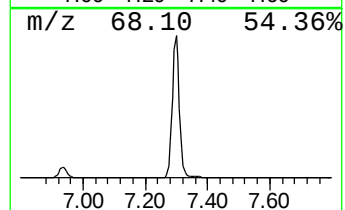
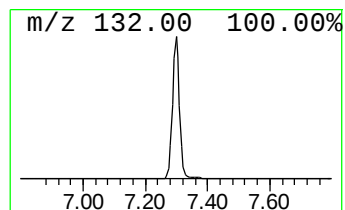
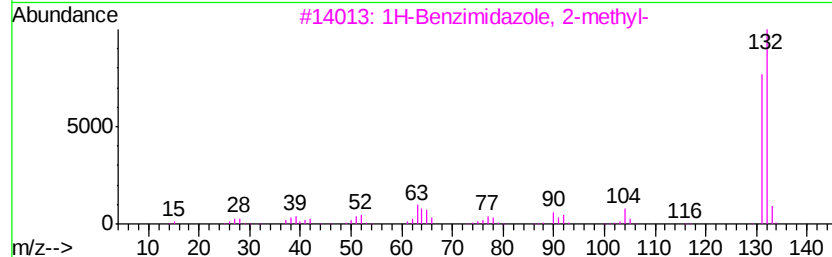
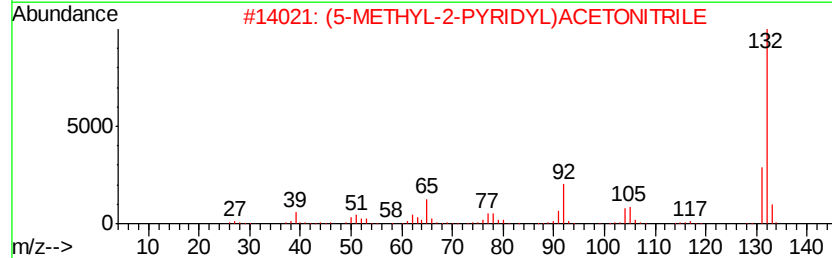
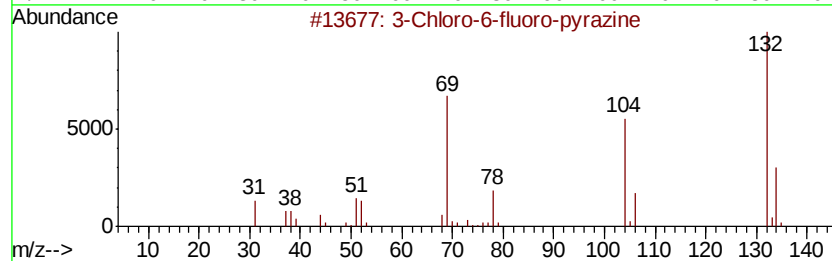
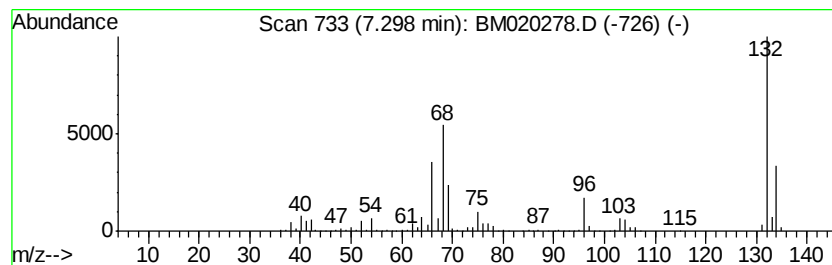
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.30 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.30 | 107.71 ng | 1694000 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 22   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | 2-Cyclohexen-1-one               | 96  | C6H8O     | 000930-68-7  | 11   |



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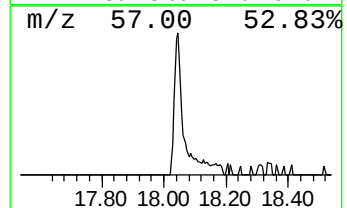
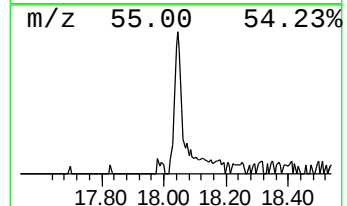
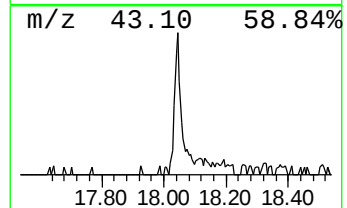
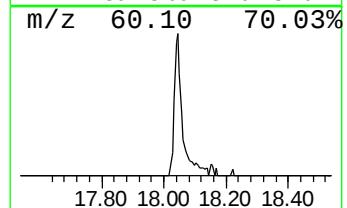
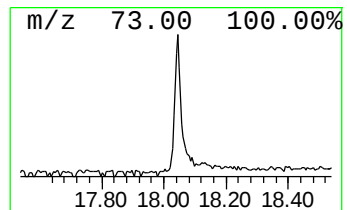
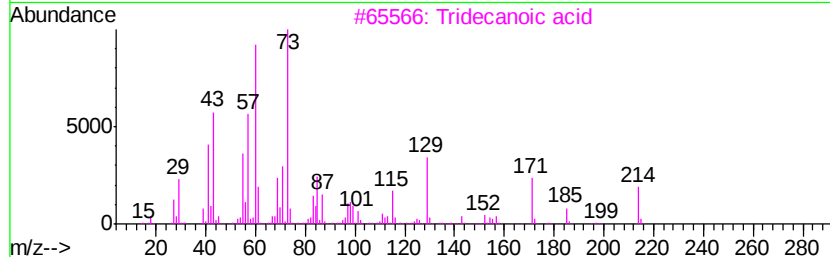
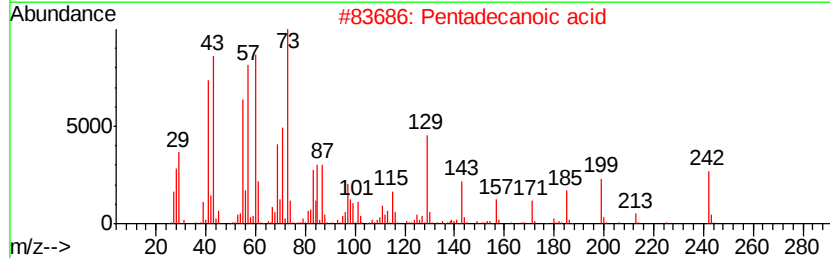
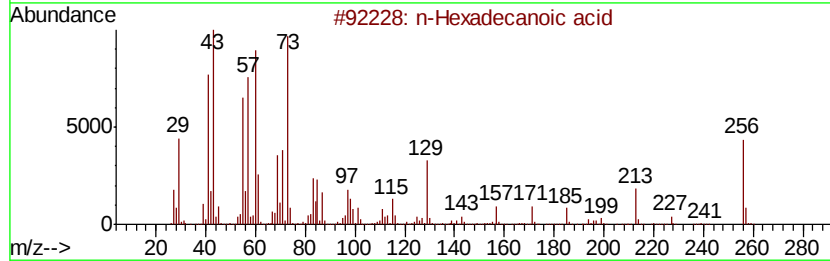
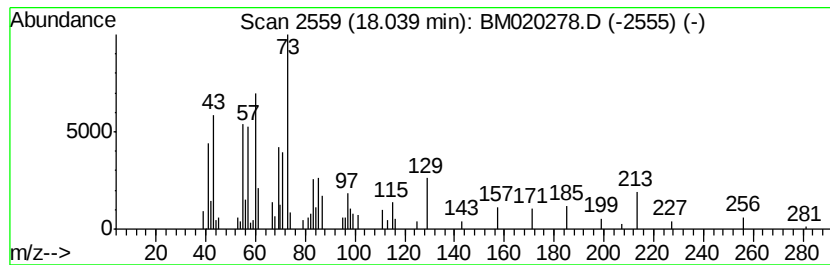
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.04     | 4.65 ng             | 142909 | Phenanthrene-d10 |             | 17.16 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98    |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 62    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 50    |
| 4         | Lactose             | 342    | C12H22O11        | 000063-42-3 | 47    |
| 5         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 43    |



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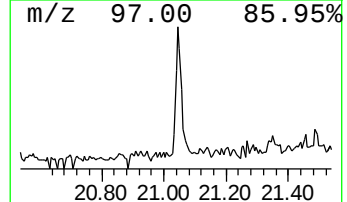
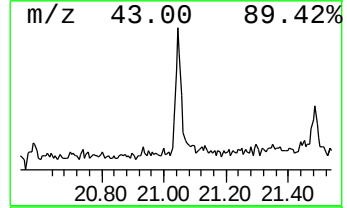
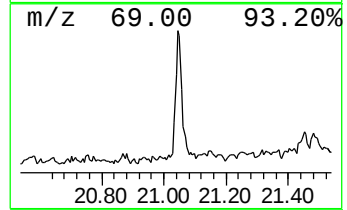
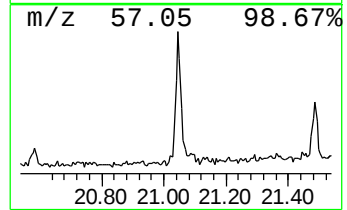
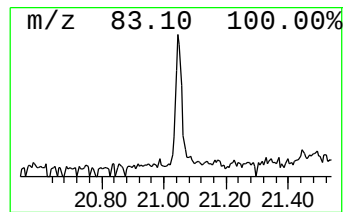
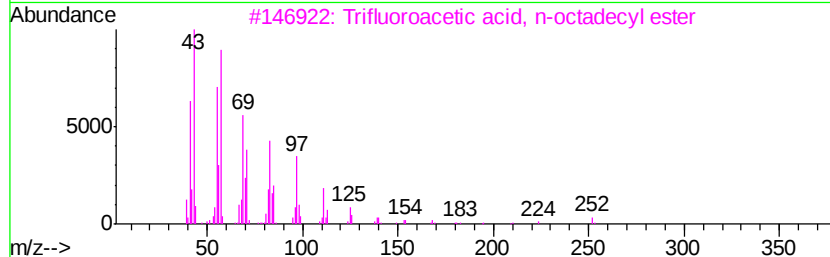
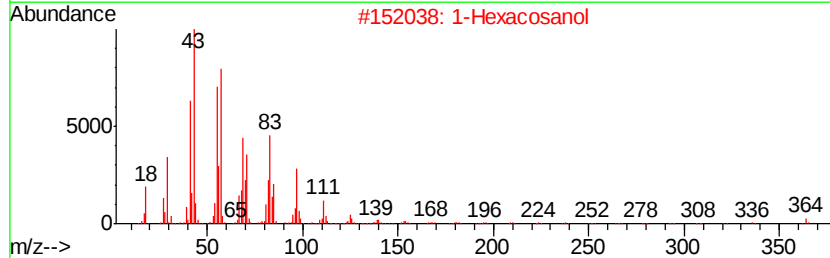
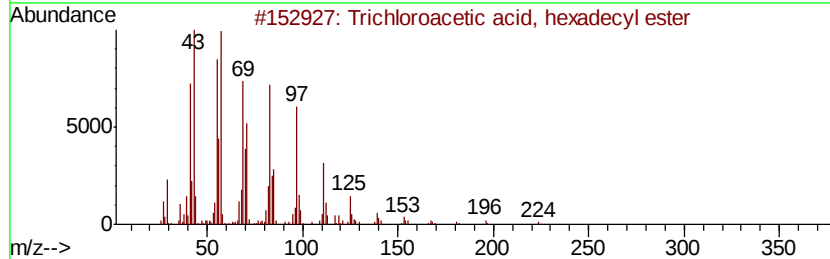
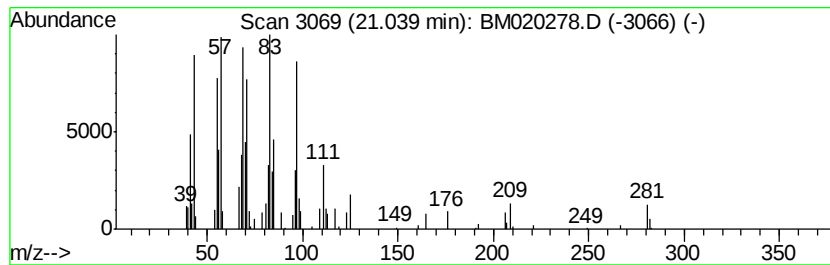
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Peak Number 4 Trichloroacetic acid, hexad... Concentration Rank 4

| R.T.    | EstConc | Area                                 | Relative to ISTD | R.T.        |              |      |
|---------|---------|--------------------------------------|------------------|-------------|--------------|------|
| 21.04   | 2.66 ng | 107002                               | Chrysene-d12     | 21.35       |              |      |
| Hit# of | 5       | Tentative ID                         | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Trichloroacetic acid, hexadecyl ...  | 386              | C18H33Cl3O2 | 074339-54-1  | 91   |
| 2       |         | 1-Hexacosanol                        | 382              | C26H54O     | 000506-52-5  | 87   |
| 3       |         | Trifluoroacetic acid, n-octadecyl... | 366              | C20H37F3O2  | 079392-43-1  | 87   |
| 4       |         | Dichloroacetic acid, heptadecyl ...  | 366              | C19H36Cl2O2 | 1000282-98-2 | 83   |
| 5       |         | 3-Eicosene, (E)-                     | 280              | C20H40      | 074685-33-9  | 81   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.30          | 7.30  | 107.7   | ng    | 1694000  | 1                     | 7.77  | 314553 | 20.0 |
| n-Hexadecanoic acid  | 18.04 | 4.7     | ng    | 142909   | 4                     | 17.16 | 614616 | 20.0 |
| Trichloroacetic a... | 21.04 | 2.7     | ng    | 107002   | 5                     | 21.35 | 805170 | 20.0 |