

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070721\  
 Data File : BG049210.D  
 Acq On : 7 Jul 2021 22:14  
 Operator : CG/JU  
 Sample : M2947-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-BANK-3

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\_G\METHODS\8270-BG063021.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049210.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         | 3.124       | 7             | 14          | 15           | rBV      | 40906          | 61950         | 3.30%           | 0.609%        |
| 2         | 5.174       | 357           | 363         | 373          | rVB2     | 36080          | 64037         | 3.41%           | 0.629%        |
| 3         | 5.644       | 435           | 443         | 451          | rBV      | 525908         | 912770        | 48.59%          | 8.971%        |
| 4         | 7.242       | 707           | 715         | 725          | rBV      | 568752         | 986363        | 52.50%          | 9.694%        |
| 5         | 8.088       | 852           | 859         | 868          | rVB      | 153545         | 267393        | 14.23%          | 2.628%        |
| 6         | 9.252       | 1047          | 1057        | 1068         | rBV      | 353967         | 649587        | 34.58%          | 6.384%        |
| 7         | 10.668      | 1293          | 1298        | 1310         | rBV2     | 17580          | 37634         | 2.00%           | 0.370%        |
| 8         | 10.909      | 1332          | 1339        | 1346         | rBV      | 194187         | 357774        | 19.04%          | 3.516%        |
| 9         | 13.353      | 1747          | 1755        | 1761         | rBV      | 885576         | 1406859       | 74.89%          | 13.827%       |
| 10        | 14.728      | 1983          | 1989        | 1998         | rBV      | 306328         | 476053        | 25.34%          | 4.679%        |
| 11        | 16.220      | 2236          | 2243        | 2257         | rBV      | 742765         | 1152478       | 61.35%          | 11.327%       |
| 12        | 17.477      | 2451          | 2457        | 2462         | rBV      | 356478         | 531784        | 28.31%          | 5.227%        |
| 13        | 18.353      | 2602          | 2606        | 2612         | rBV6     | 23659          | 39557         | 2.11%           | 0.389%        |
| 14        | 19.264      | 2756          | 2761        | 2767         | rBV5     | 12749          | 21877         | 1.16%           | 0.215%        |
| 15        | 19.528      | 2801          | 2806        | 2809         | rBB2     | 16663          | 25059         | 1.33%           | 0.246%        |
| 16        | 19.886      | 2861          | 2867        | 2875         | rVB      | 29552          | 54406         | 2.90%           | 0.535%        |
| 17        | 20.086      | 2895          | 2901        | 2908         | rBV      | 1444920        | 1878630       | 100.00%         | 18.464%       |
| 18        | 21.396      | 3118          | 3124        | 3129         | rBV9     | 33659          | 80845         | 4.30%           | 0.795%        |
| 19        | 21.767      | 3179          | 3187        | 3194         | rBV2     | 317643         | 596625        | 31.76%          | 5.864%        |
| 20        | 25.074      | 3740          | 3750        | 3761         | rVB2     | 193110         | 572827        | 30.49%          | 5.630%        |

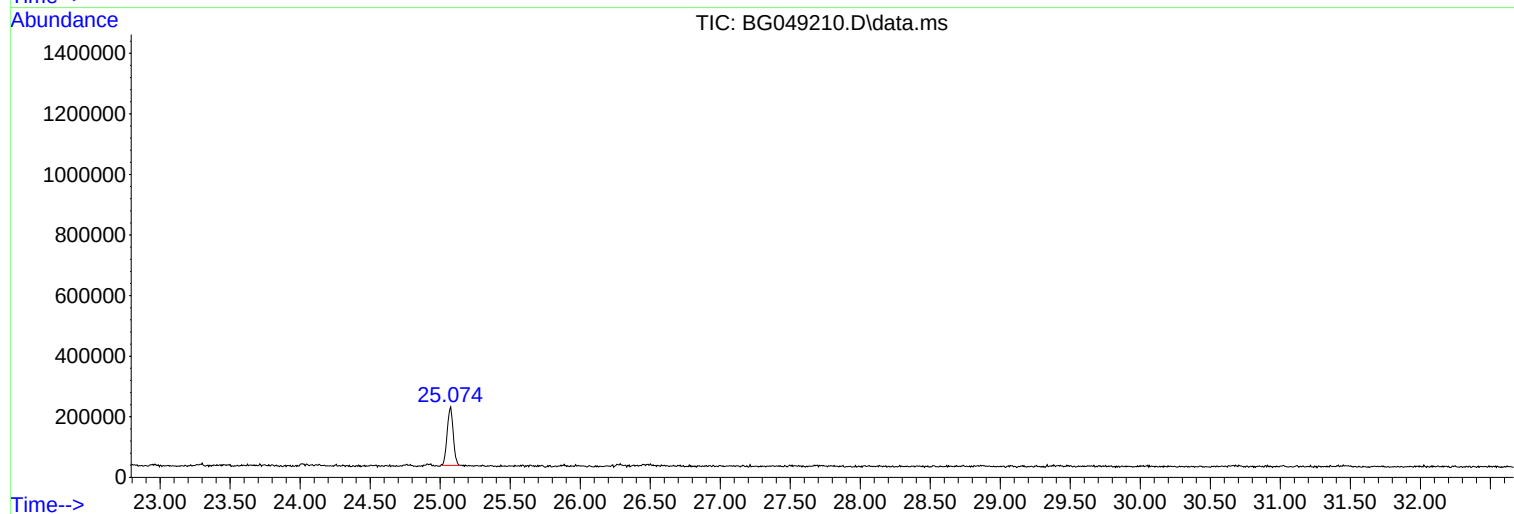
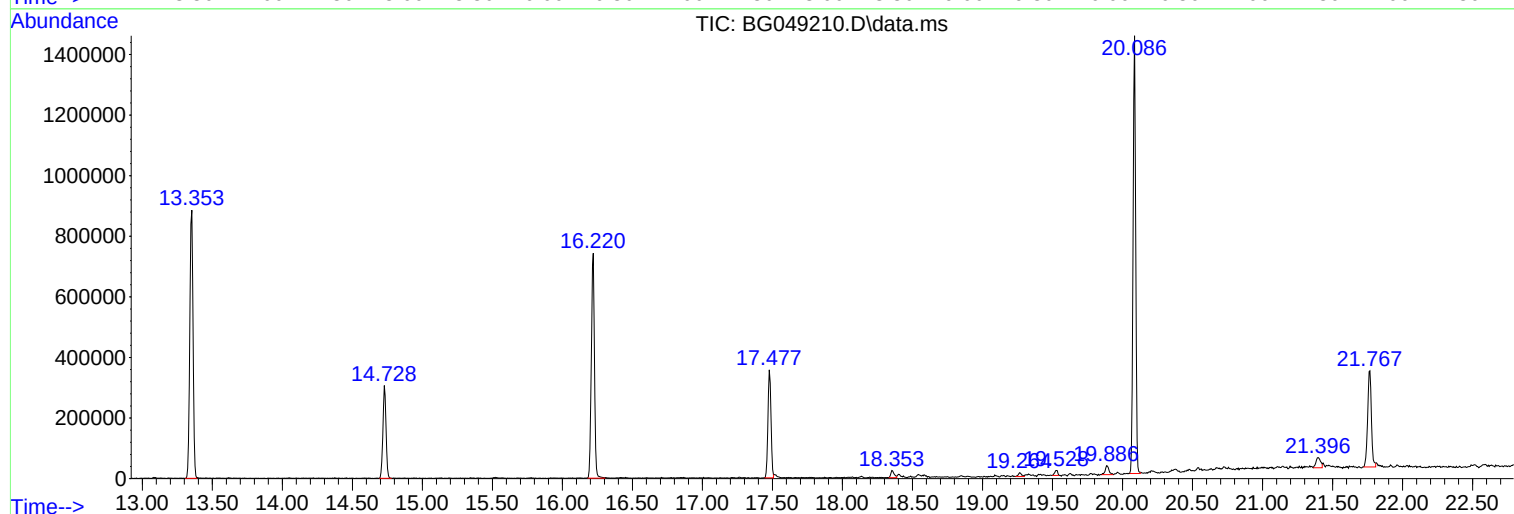
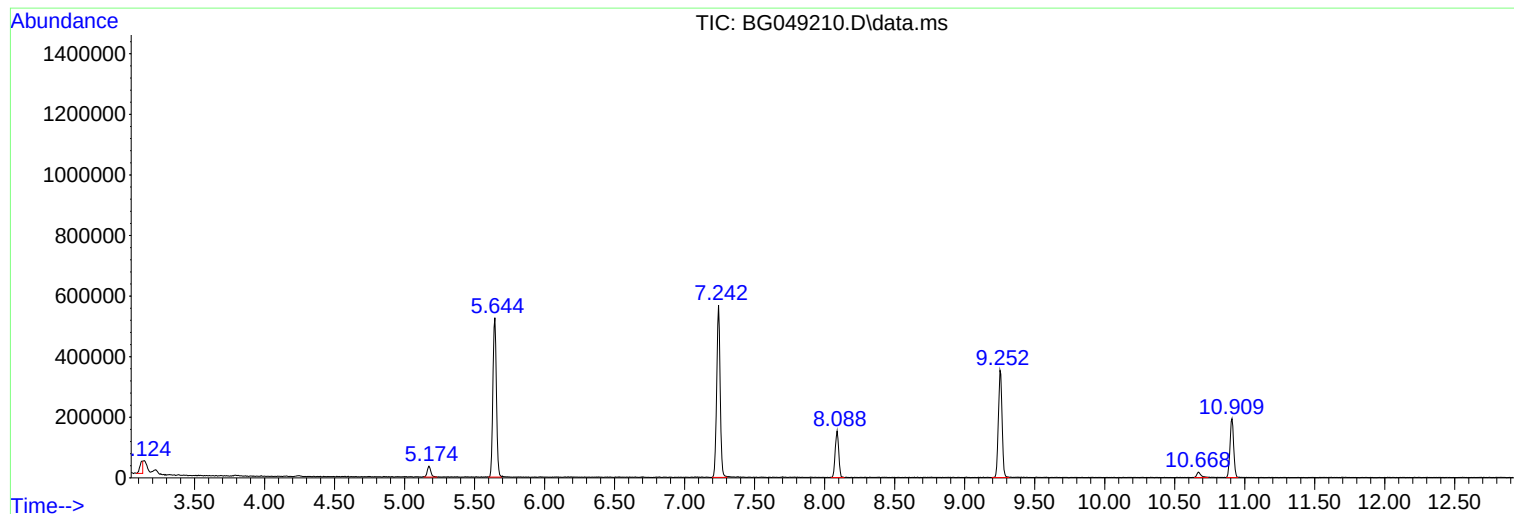
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BNA\_G  
ClientSampleId :  
SOIL-BANK-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG063021.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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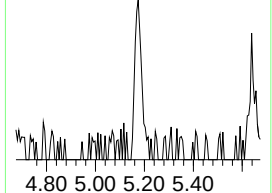
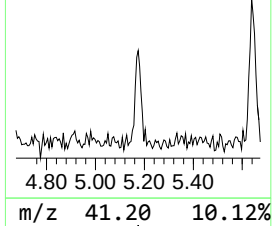
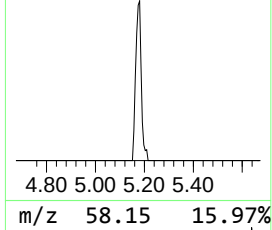
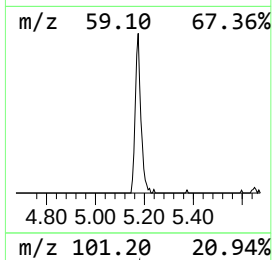
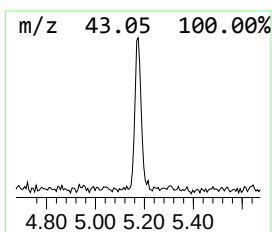
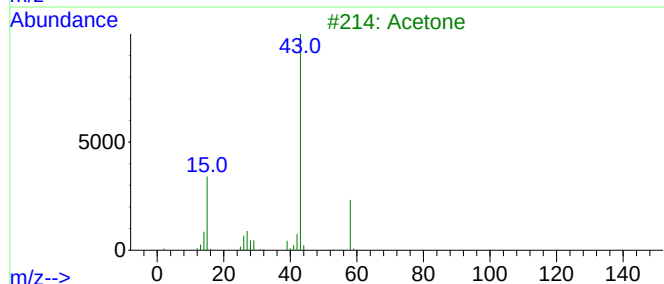
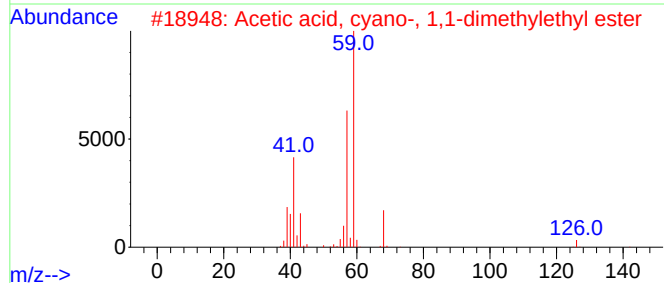
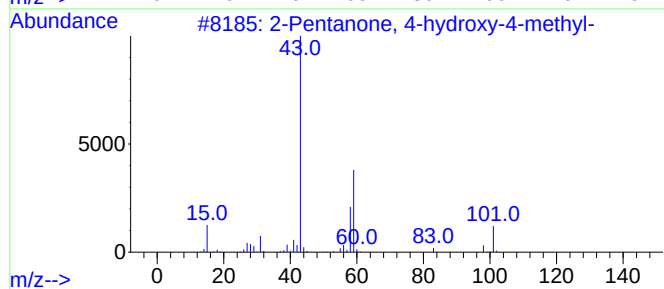
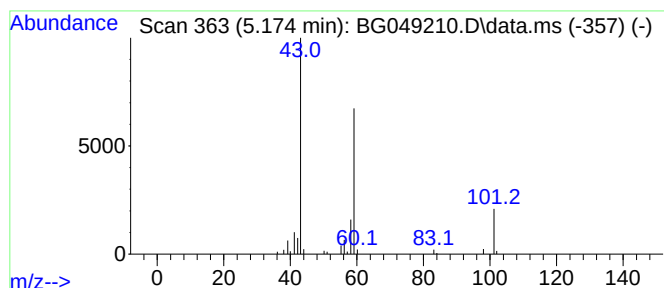
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.174 | 4.79 ng | 64037 | 1,4-Dichlorobenzene-d4 | 8.088 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    |   | Acetone                             | 58  | C3H6O    | 000067-64-1 | 10   |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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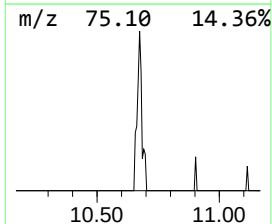
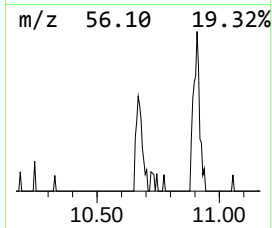
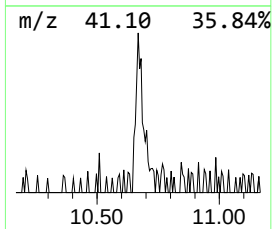
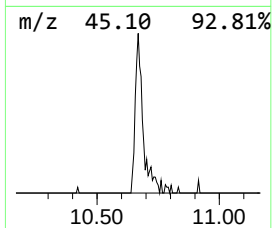
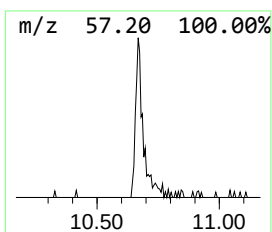
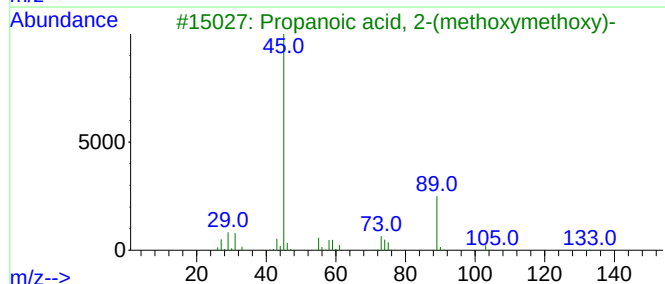
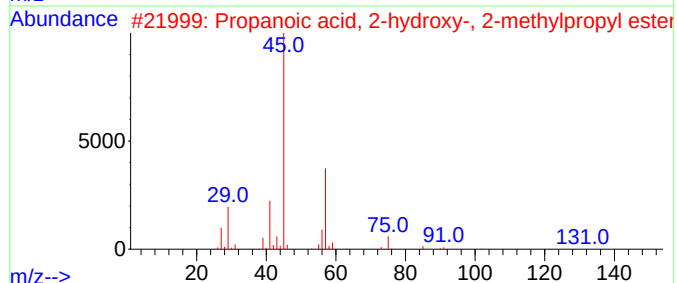
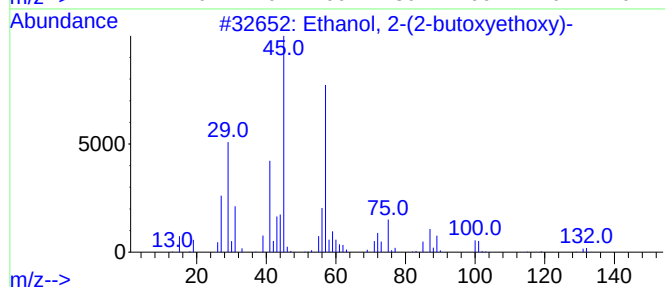
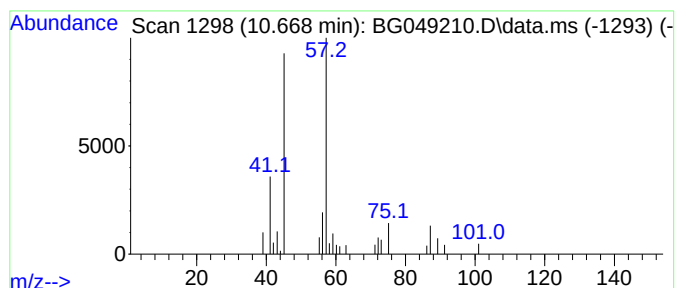
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Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 4

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 10.668    | 2.10 ng                             | 37634 | Naphthalene-d8   | 10.909      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | Ethanol, 2-(2-butoxyethoxy)-        | 162   | C8H18O3          | 000112-34-5 | 83   |
| 2         | Propanoic acid, 2-hydroxy-, 2-me... | 146   | C7H14O3          | 000585-24-0 | 59   |
| 3         | Propanoic acid, 2-(methoxymethoxy)- | 134   | C5H10O4          | 081327-29-9 | 47   |
| 4         | Di-sec-butyl ether                  | 130   | C8H18O           | 006863-58-7 | 40   |
| 5         | Ethylene glycol diglycidyl ether    | 174   | C8H14O4          | 002224-15-9 | 36   |



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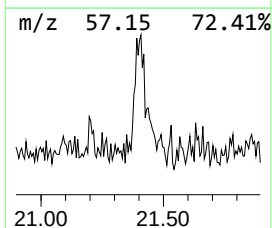
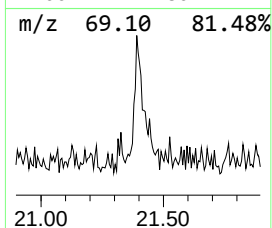
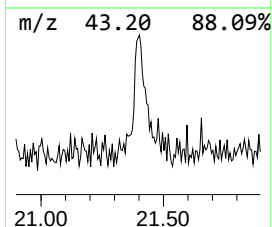
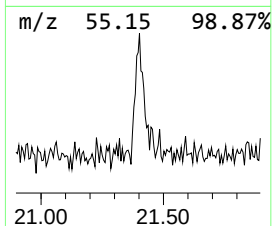
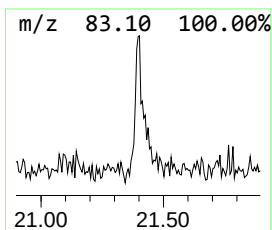
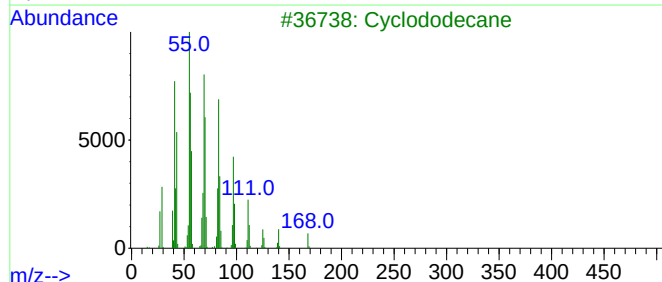
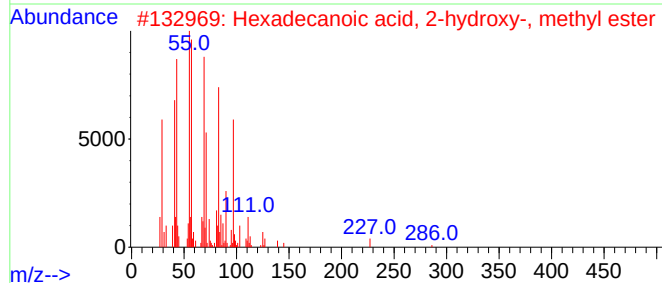
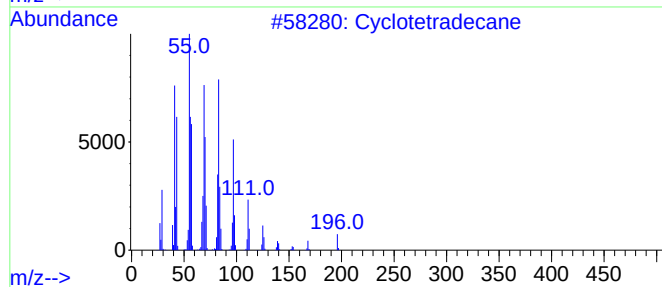
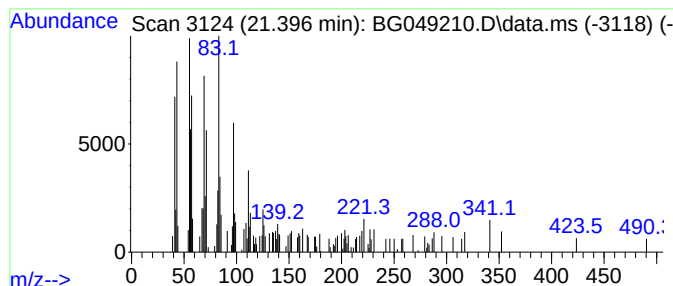
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Peak Number 4 Cyclotetradecane Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 21.396 | 2.71 ng | 80845 | Chrysene-d12     | 21.767 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Cyclotetradecane                    | 196 | C14H28     | 000295-17-0 | 90   |
| 2    |    |   | Hexadecanoic acid, 2-hydroxy-, m... | 286 | C17H34O3   | 016742-51-1 | 89   |
| 3    |    |   | Cyclododecane                       | 168 | C12H24     | 000294-62-2 | 64   |
| 4    |    |   | Acetic acid, trifluoro-, undecyl... | 268 | C13H23F3O2 | 053800-01-4 | 60   |
| 5    |    |   | Acetic acid, trifluoro-, dodecyl... | 282 | C14H25F3O2 | 006222-00-0 | 60   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Pentanone, 4-... | 5.174  | 4.8     | ng    | 64037    | 1                     | 8.088  | 267393 | 20.0 |
| Ethanol, 2-(2-b... | 10.668 | 2.1     | ng    | 37634    | 2                     | 10.909 | 357774 | 20.0 |
| Cyclotetradecane   | 21.396 | 2.7     | ng    | 80845    | 5                     | 21.767 | 596625 | 20.0 |