

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021921\  
 Data File : BP004826.D  
 Acq On : 19 Feb 2021 17:22  
 Operator : CG/JU  
 Sample : M1434-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SAND-SOIL-PILE

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\_P\Methods\8270E-BP020521.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004826.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         | 4.893       | 284           | 290         | 297          | rBV      | 76761          | 108988        | 3.06%           | 0.714%        |
| 2         | 5.358       | 362           | 369         | 377          | rBV      | 1088144        | 1516694       | 42.51%          | 9.934%        |
| 3         | 6.946       | 628           | 639         | 652          | rBV      | 969035         | 1547481       | 43.38%          | 10.135%       |
| 4         | 7.758       | 768           | 777         | 786          | rBV      | 188366         | 298954        | 8.38%           | 1.958%        |
| 5         | 8.922       | 967           | 975         | 984          | rBV      | 591825         | 988344        | 27.70%          | 6.473%        |
| 6         | 10.552      | 1245          | 1252        | 1259         | rBV      | 223237         | 367967        | 10.31%          | 2.410%        |
| 7         | 13.028      | 1665          | 1673        | 1686         | rBV      | 1434417        | 2128216       | 59.66%          | 13.939%       |
| 8         | 13.863      | 1810          | 1815        | 1826         | rVB      | 34801          | 55537         | 1.56%           | 0.364%        |
| 9         | 14.410      | 1900          | 1908        | 1915         | rBV2     | 304125         | 454883        | 12.75%          | 2.979%        |
| 10        | 15.904      | 2155          | 2162        | 2172         | rBV      | 1016861        | 1460783       | 40.95%          | 9.567%        |
| 11        | 17.163      | 2370          | 2376        | 2381         | rBV      | 407956         | 577819        | 16.20%          | 3.784%        |
| 12        | 17.204      | 2381          | 2383        | 2389         | rVB      | 41099          | 49098         | 1.38%           | 0.322%        |
| 13        | 18.057      | 2520          | 2528        | 2530         | rBV4     | 38278          | 65396         | 1.83%           | 0.428%        |
| 14        | 19.175      | 2714          | 2718        | 2726         | rBV      | 72286          | 104489        | 2.93%           | 0.684%        |
| 15        | 19.528      | 2770          | 2778        | 2786         | rBV      | 69950          | 127899        | 3.59%           | 0.838%        |
| 16        | 19.728      | 2807          | 2812        | 2818         | rBV      | 2900007        | 3567526       | 100.00%         | 23.365%       |
| 17        | 20.957      | 3018          | 3021        | 3029         | rVB3     | 166444         | 224257        | 6.29%           | 1.469%        |
| 18        | 21.251      | 3065          | 3071        | 3075         | rBV      | 617020         | 837020        | 23.46%          | 5.482%        |
| 19        | 23.551      | 3456          | 3462        | 3470         | rBV2     | 413954         | 787027        | 22.06%          | 5.155%        |

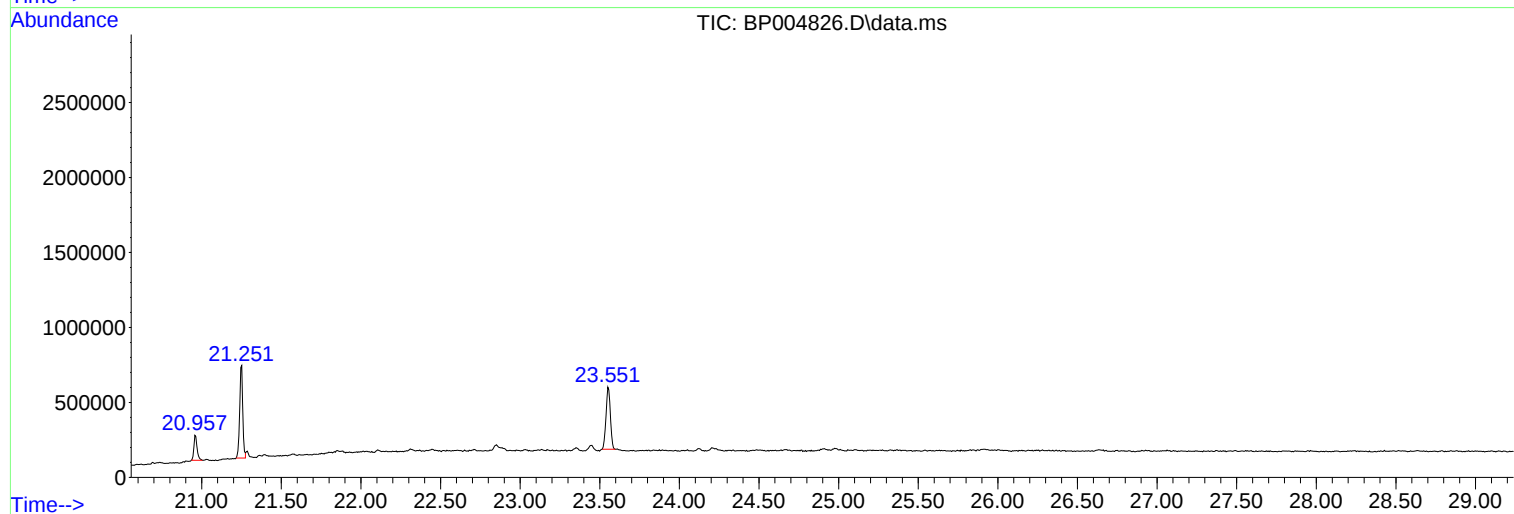
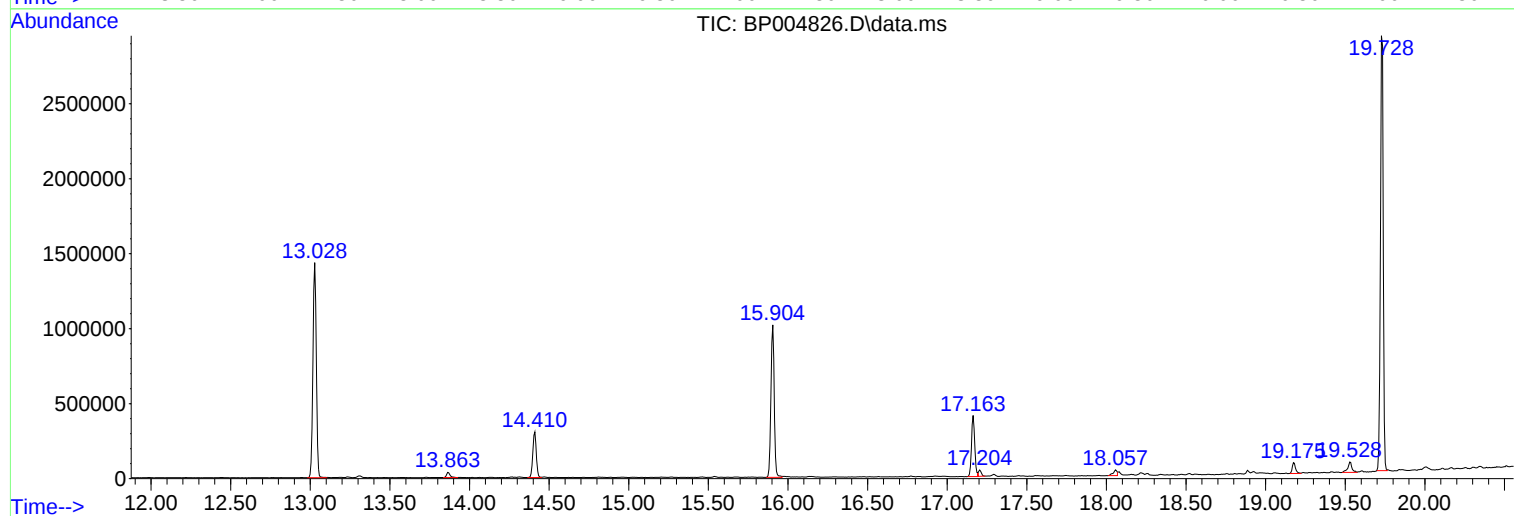
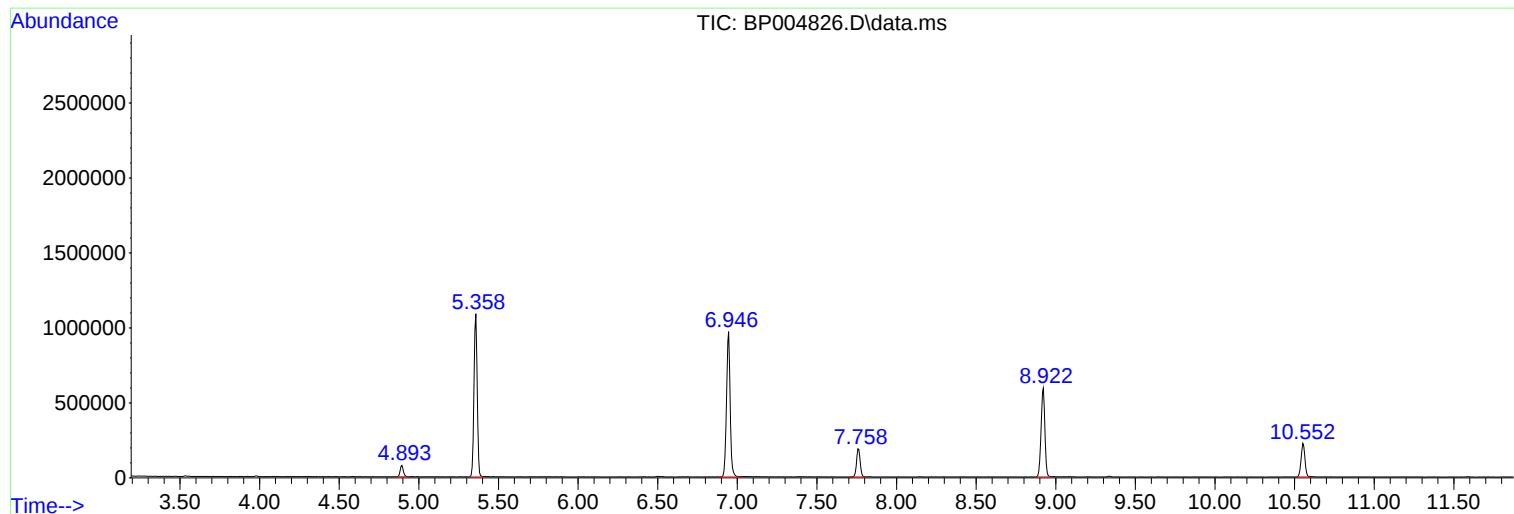
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BNA\_P  
ClientSampleId :  
SAND-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.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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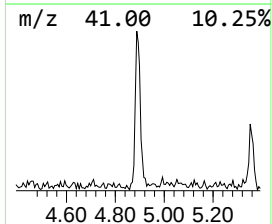
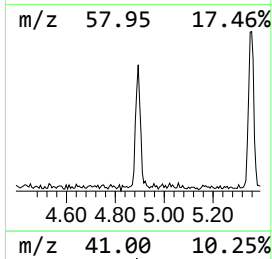
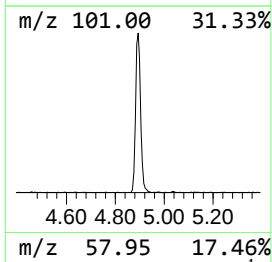
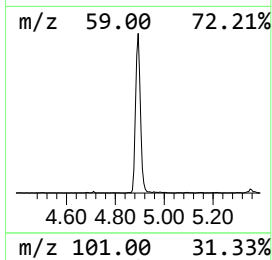
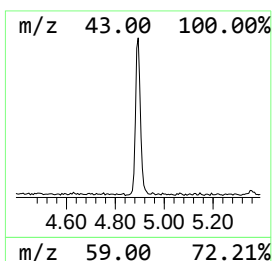
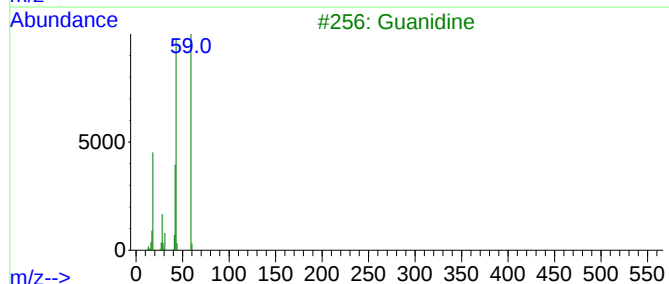
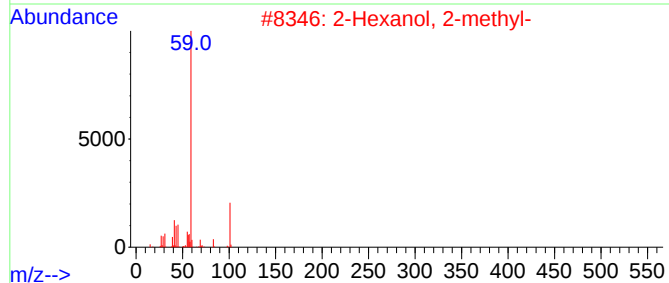
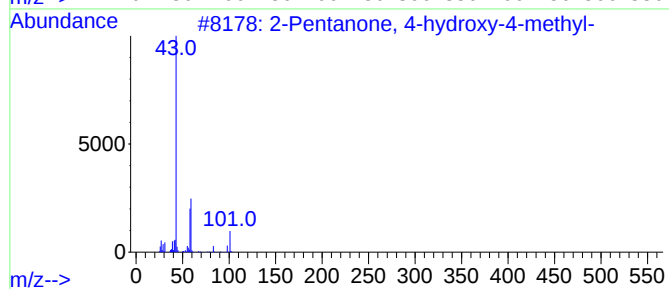
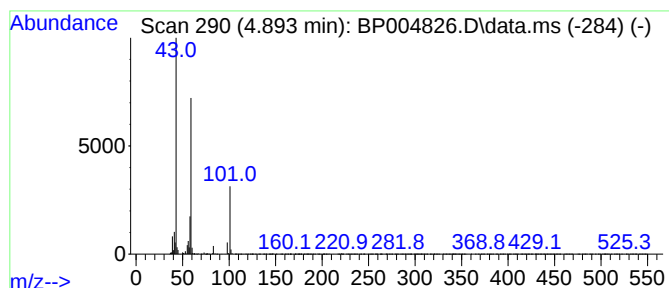
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.893 | 7.29 ng | 108988 | 1,4-Dichlorobenzene-d4 | 7.764 |

| Hit# | of                                 | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2      | 000123-42-2 | 59      |      |      |
| 2    | 2-Hexanol, 2-methyl-               | 116 | C7H16O       | 000625-23-0 | 53      |      |      |
| 3    | Guanidine                          | 59  | CH5N3        | 000113-00-8 | 43      |      |      |
| 4    | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2      | 016504-58-8 | 38      |      |      |
| 5    | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2      | 000921-14-2 | 28      |      |      |



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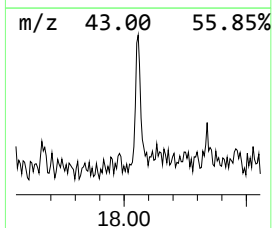
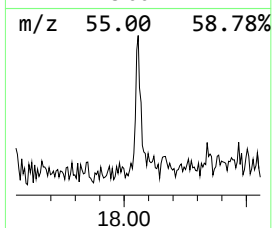
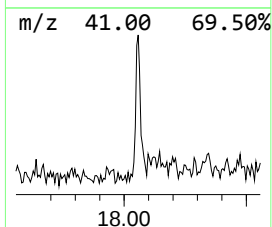
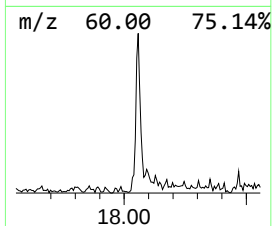
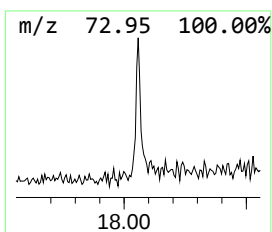
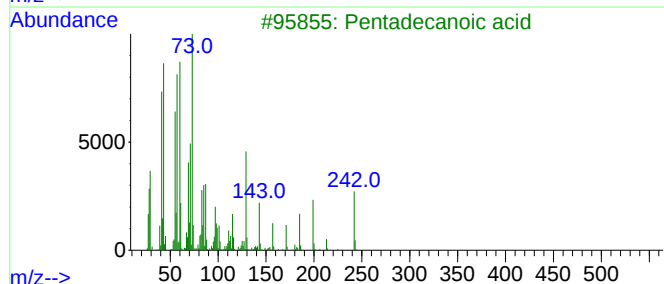
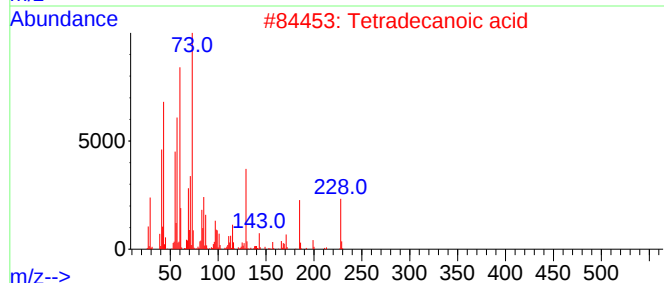
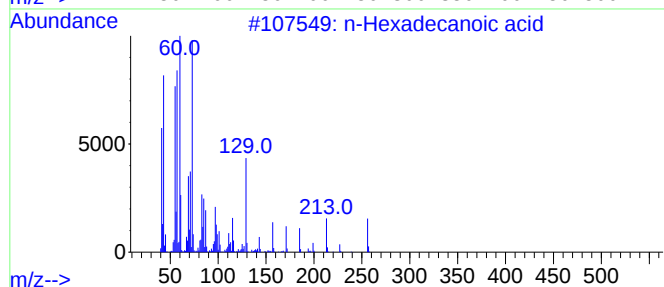
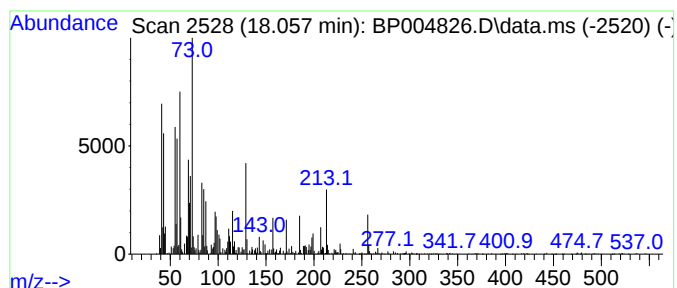
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.057 | 2.26 ng | 65396 | Phenanthrene-d10 | 17.163 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 83   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 72   |



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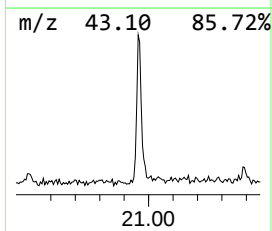
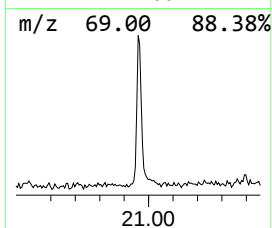
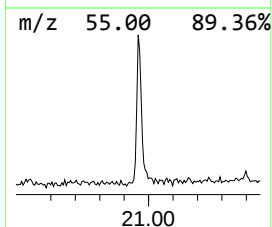
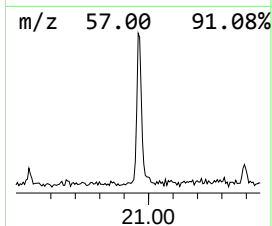
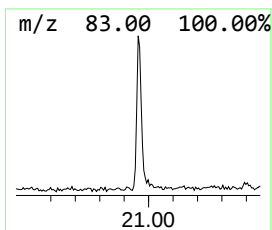
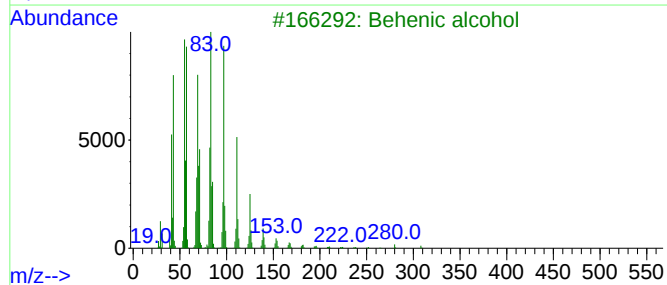
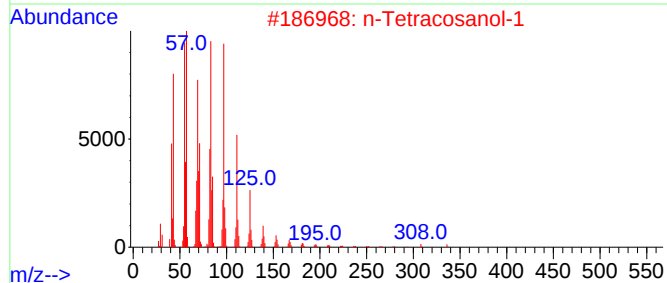
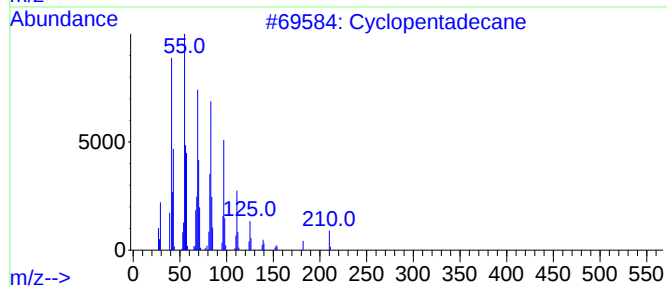
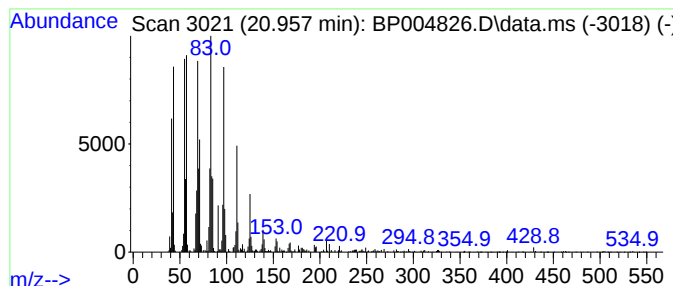
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Peak Number 3 Cyclopentadecane Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.957 | 5.36 ng | 224257 | Chrysene-d12     | 21.251 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentadecane | 210 | C15H30  | 000295-48-7 | 95   |
| 2    |    |   | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94   |
| 3    |    |   | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 94   |
| 4    |    |   | 1-Heneicosanol   | 312 | C21H44O | 015594-90-8 | 94   |
| 5    |    |   | Octacosanol      | 410 | C28H58O | 000557-61-9 | 93   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Pentanone, 4-... | 4.893  | 7.3     | ng    | 108988   | 1                     | 7.764  | 298954 | 20.0 |
| n-Hexadecanoic ... | 18.057 | 2.3     | ng    | 65396    | 4                     | 17.163 | 577819 | 20.0 |
| Cyclopentadecane   | 20.957 | 5.4     | ng    | 224257   | 5                     | 21.251 | 837020 | 20.0 |