

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051520\  
 Data File : BF120326.D  
 Acq On : 15 May 2020 17:23  
 Operator : MA/SJ  
 Sample : L2663-09 50X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1364

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\_F\METHODS\8270-BF051420.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         | 6.610       | 766           | 769         | 794          | rBV      | 1012985        | 1520713       | 44.03%          | 8.911%        |
| 2         | 7.898       | 984           | 988         | 1009         | rBV      | 1807329        | 2158868       | 62.50%          | 12.650%       |
| 3         | 8.339       | 1059          | 1063        | 1069         | rVB7     | 20173          | 38957         | 1.13%           | 0.228%        |
| 4         | 8.910       | 1158          | 1160        | 1162         | rBV2     | 38274          | 47659         | 1.38%           | 0.279%        |
| 5         | 8.957       | 1165          | 1168        | 1170         | rVV2     | 50392          | 59241         | 1.72%           | 0.347%        |
| 6         | 9.004       | 1174          | 1176        | 1179         | rBV4     | 54894          | 65431         | 1.89%           | 0.383%        |
| 7         | 9.281       | 1221          | 1223        | 1226         | rBV4     | 104705         | 103841        | 3.01%           | 0.608%        |
| 8         | 9.351       | 1234          | 1235        | 1237         | rBV      | 107704         | 75229         | 2.18%           | 0.441%        |
| 9         | 9.380       | 1237          | 1240        | 1242         | rBV2     | 140575         | 143391        | 4.15%           | 0.840%        |
| 10        | 9.404       | 1242          | 1244        | 1247         | rVV3     | 106910         | 94327         | 2.73%           | 0.553%        |
| 11        | 9.516       | 1260          | 1263        | 1264         | rBV2     | 139472         | 157811        | 4.57%           | 0.925%        |
| 12        | 9.557       | 1267          | 1270        | 1273         | rVB4     | 387078         | 411415        | 11.91%          | 2.411%        |
| 13        | 9.651       | 1279          | 1286        | 1290         | rBV2     | 2677374        | 3454163       | 100.00%         | 20.240%       |
| 14        | 10.051      | 1352          | 1354        | 1357         | rBV      | 285451         | 265790        | 7.69%           | 1.557%        |
| 15        | 10.580      | 1441          | 1444        | 1449         | rVB      | 478125         | 542609        | 15.71%          | 3.179%        |
| 16        | 11.045      | 1520          | 1523        | 1526         | rVB      | 488307         | 516924        | 14.97%          | 3.029%        |
| 17        | 11.133      | 1535          | 1538        | 1543         | rBV      | 2289789        | 2273618       | 65.82%          | 13.322%       |
| 18        | 13.768      | 1982          | 1986        | 1995         | rVB      | 2509502        | 2673014       | 77.39%          | 15.663%       |
| 19        | 15.157      | 2217          | 2222        | 2233         | rVB      | 1877589        | 2463298       | 71.31%          | 14.434%       |

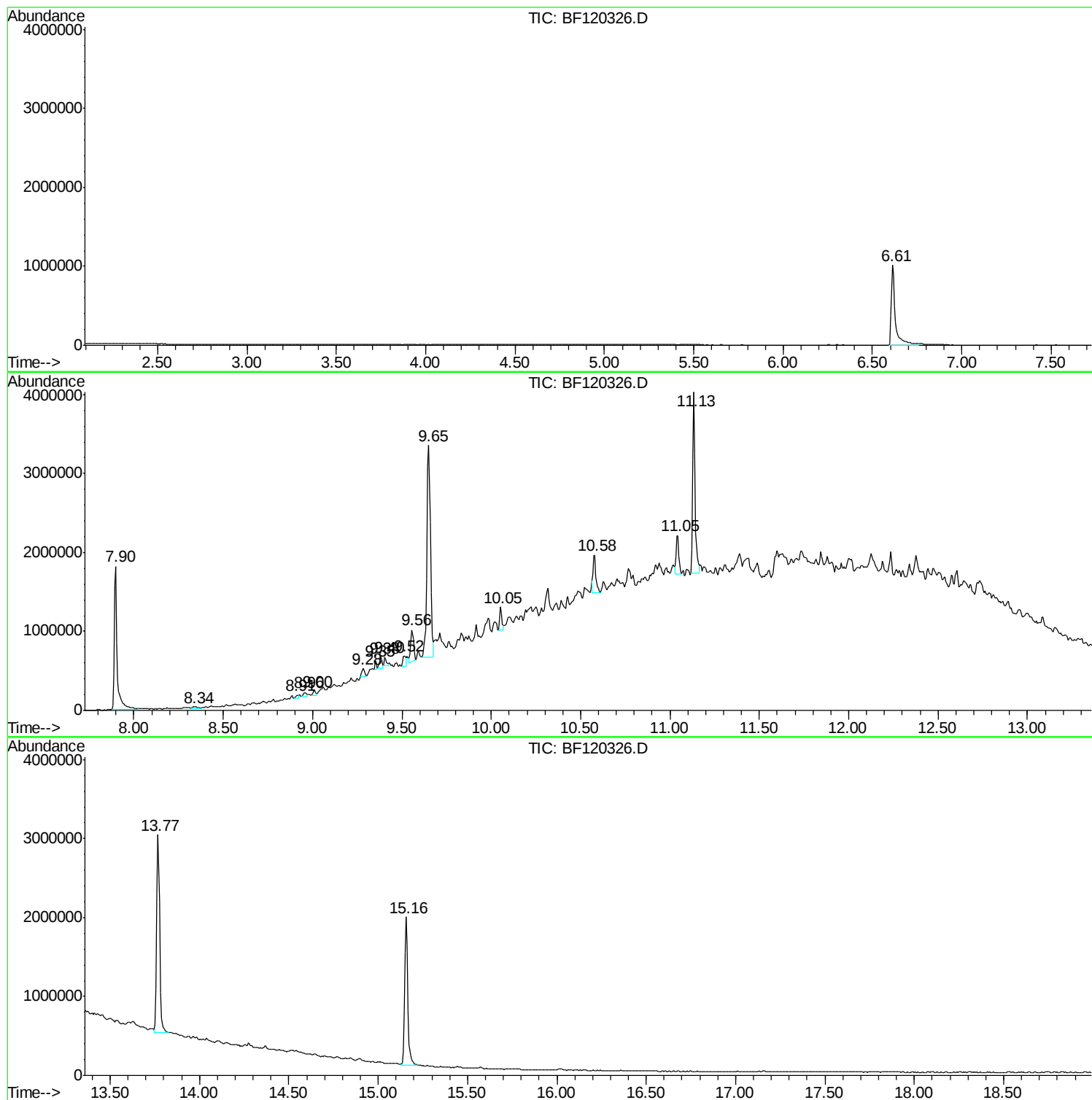
Sum of corrected areas: 17066299

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.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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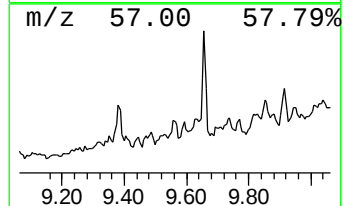
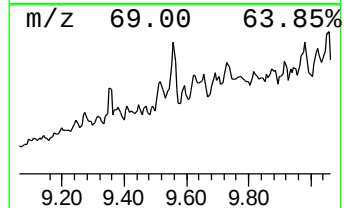
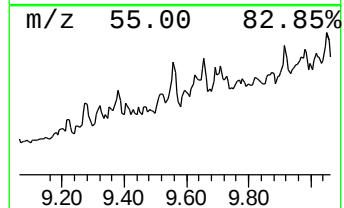
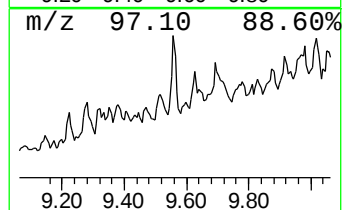
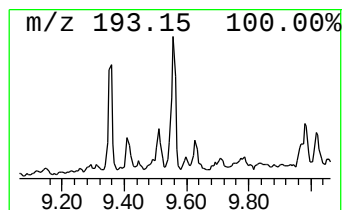
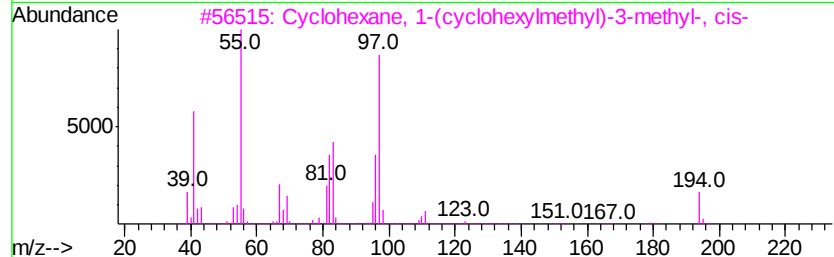
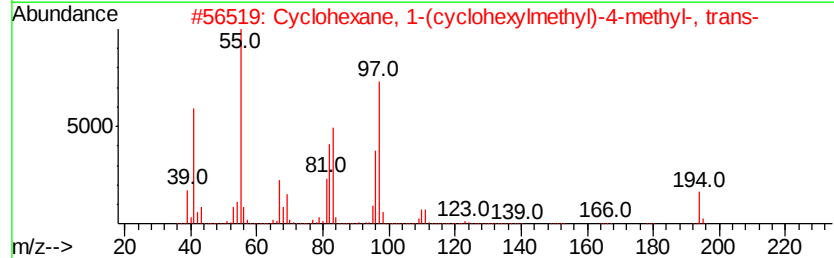
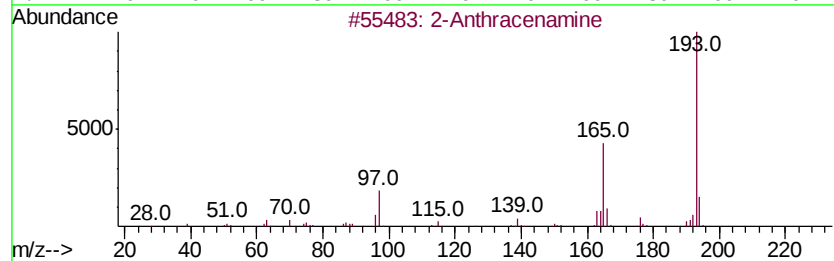
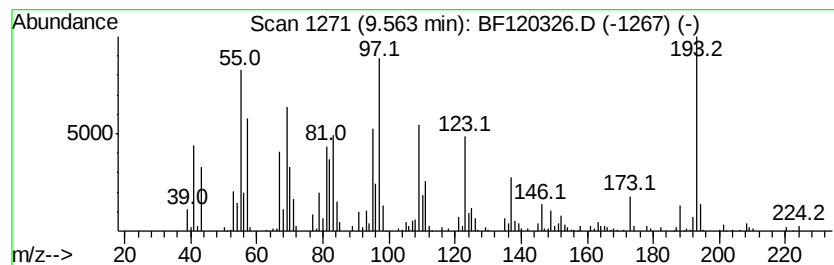
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown9.56 Concentration Rank 3

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.           |
|---------|--------------------------------------|--------------|------------------|----------------|
| 9.56    | 2.38 ng                              | 411415       | Acenaphthene-d10 | 9.65           |
| Hit# of | 5                                    | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | 2-Anthracenamine                     | 193          | C14H11N          | 000613-13-8 35 |
| 2       | Cyclohexane, 1-(cyclohexylmethyl)... | 194          | C14H26           | 054823-98-2 35 |
| 3       | Cyclohexane, 1-(cyclohexylmethyl)... | 194          | C14H26           | 054823-96-0 35 |
| 4       | 2(1H)-Naphthalenone, octahydro-4...  | 194          | C13H22O          | 054699-31-9 30 |
| 5       | trans-4a-Methyl-decahydronaphtha...  | 152          | C11H20           | 002547-27-5 18 |



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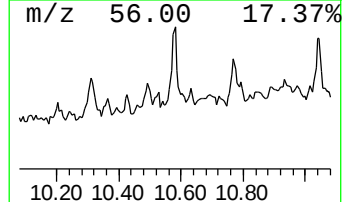
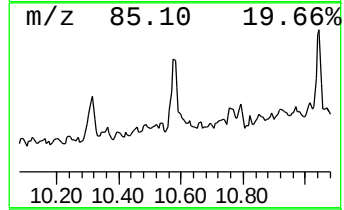
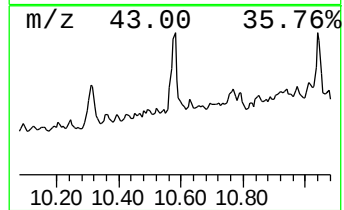
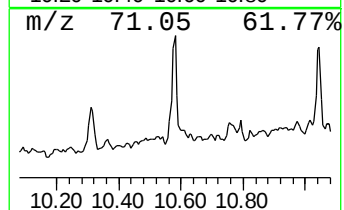
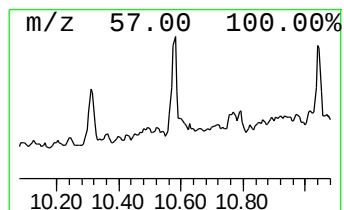
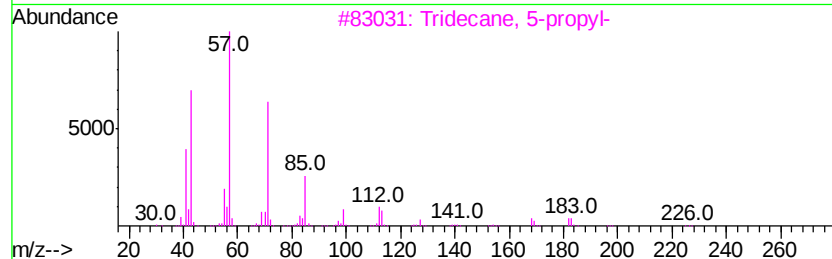
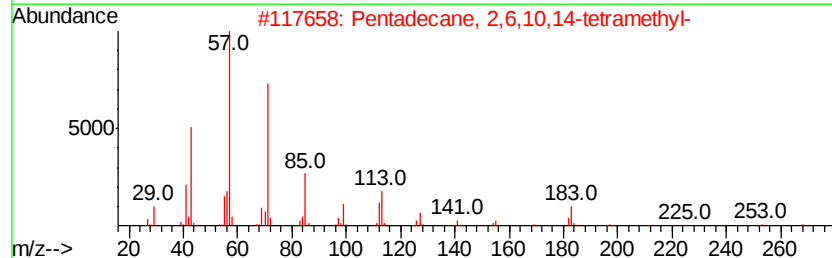
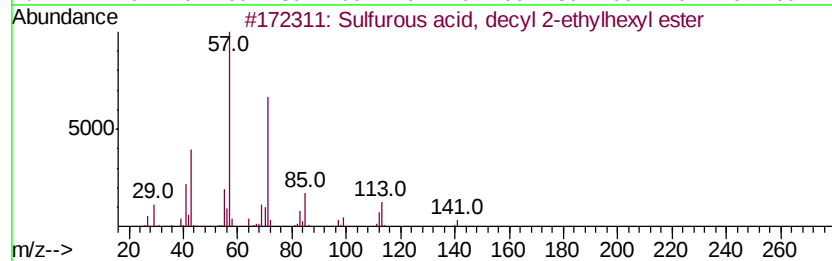
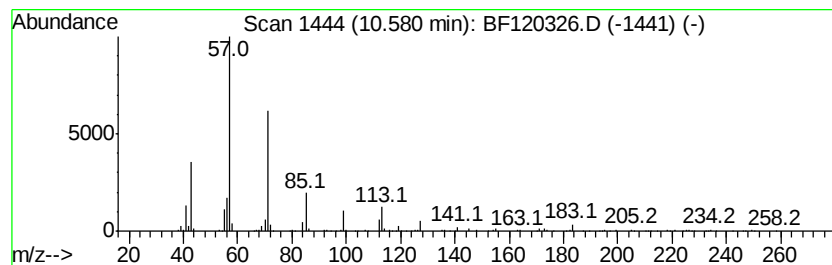
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Peak Number 2 Sulfurous acid, decyl 2-eth... Concentration Rank 1

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|---------|-------------------------------------|------------------|-----------|--------------|------|
| 10.58   | 4.77 ng | 542609                              | Phenanthrene-d10 | 11.13     |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |         | Sulfurous acid, decyl 2-ethylhex... | 334              | C18H38O3S | 1000309-19-3 | 86   |
| 2       |         | Pentadecane, 2,6,10,14-tetramethyl- | 268              | C19H40    | 001921-70-6  | 86   |
| 3       |         | Tridecane, 5-propyl-                | 226              | C16H34    | 055045-11-9  | 78   |
| 4       |         | Decane, 2,6,8-trimethyl-            | 184              | C13H28    | 062108-26-3  | 72   |
| 5       |         | Bacchotricuneatin c                 | 342              | C20H22O5  | 066563-30-2  | 62   |



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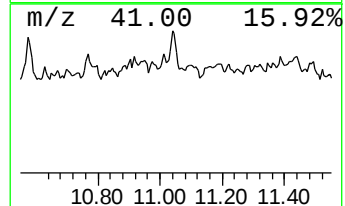
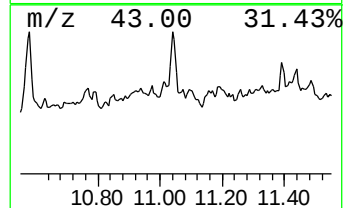
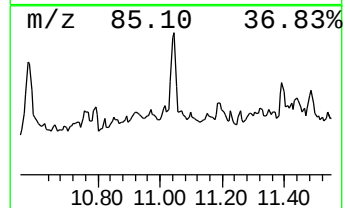
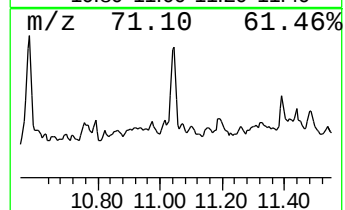
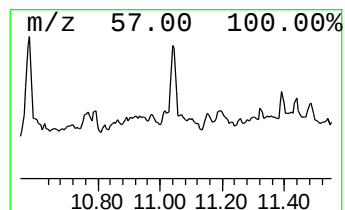
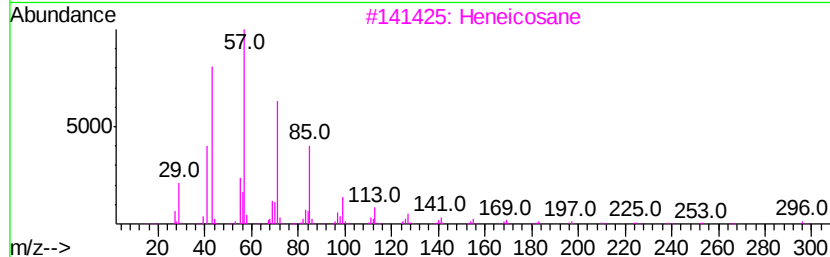
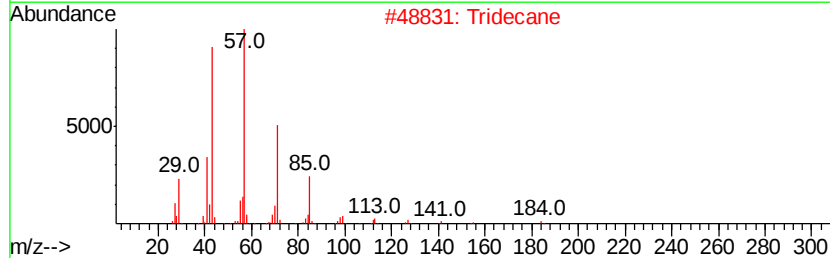
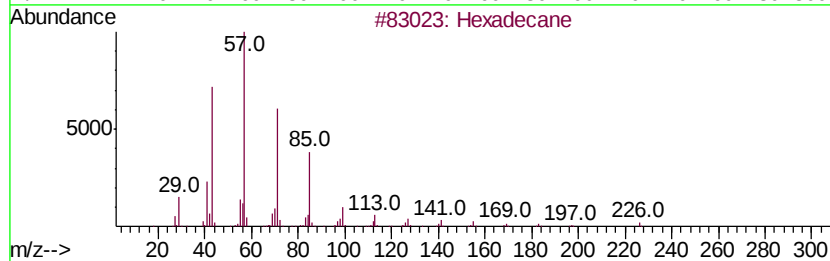
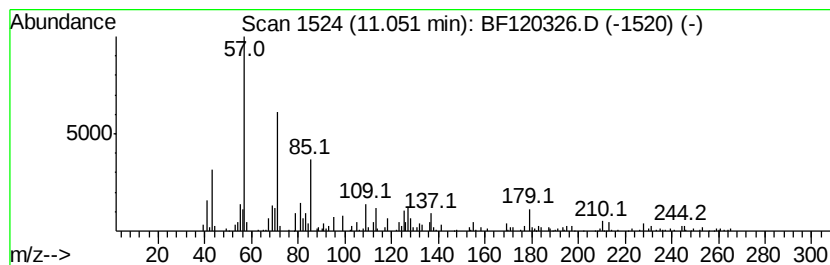
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\*\*\*\*\*  
Peak Number 3 Hexadecane Concentration Rank 2

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|--------|------------------|-------------|------|
| 11.05     | 4.55 ng                            | 516924 | Phenanthrene-d10 | 11.13       |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane                         | 226    | C16H34           | 000544-76-3 | 86   |
| 2         | Tridecane                          | 184    | C13H28           | 000629-50-5 | 81   |
| 3         | Heneicosane                        | 296    | C21H44           | 000629-94-7 | 72   |
| 4         | Hexadecane, 2,6,10,14-tetramethyl- | 282    | C20H42           | 000638-36-8 | 72   |
| 5         | Tridecane, 1-iodo-                 | 310    | C13H27I          | 035599-77-0 | 72   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown9.56          | 9.56  | 2.4     | ng    | 411415   | 3                     | 9.65  | 3454160 | 20.0 |
| Sulfurous acid, d... | 10.58 | 4.8     | ng    | 542609   | 4                     | 11.13 | 2273620 | 20.0 |
| Hexadecane           | 11.05 | 4.5     | ng    | 516924   | 4                     | 11.13 | 2273620 | 20.0 |