

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\  
 Data File : BG046543.D  
 Acq On : 4 Sep 2020 16:38  
 Operator : CG/JU  
 Sample : L3894-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 AL-FALAH-2

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\_G\METHODS\8270-BG082520.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         | 3.124       | 3             | 6           | 30           | rVB      | 220254         | 366738        | 8.96%           | 1.866%        |
| 2         | 5.040       | 327           | 332         | 347          | rVB      | 59978          | 95424         | 2.33%           | 0.486%        |
| 3         | 5.516       | 406           | 413         | 427          | rBV      | 856536         | 1354962       | 33.12%          | 6.894%        |
| 4         | 7.102       | 675           | 683         | 696          | rBV      | 856307         | 1485193       | 36.30%          | 7.557%        |
| 5         | 7.930       | 815           | 824         | 832          | rBV      | 239024         | 408830        | 9.99%           | 2.080%        |
| 6         | 9.082       | 1012          | 1020        | 1031         | rBV      | 543391         | 985618        | 24.09%          | 5.015%        |
| 7         | 10.727      | 1291          | 1300        | 1311         | rBV      | 330248         | 616004        | 15.06%          | 3.134%        |
| 8         | 13.183      | 1710          | 1718        | 1736         | rBV      | 1595555        | 2572881       | 62.88%          | 13.091%       |
| 9         | 14.012      | 1852          | 1859        | 1872         | rBV      | 128026         | 213242        | 5.21%           | 1.085%        |
| 10        | 14.558      | 1944          | 1952        | 1965         | rBV      | 593740         | 943483        | 23.06%          | 4.801%        |
| 11        | 16.044      | 2198          | 2205        | 2219         | rBV      | 1133596        | 1855787       | 45.36%          | 9.443%        |
| 12        | 17.302      | 2412          | 2419        | 2433         | rBV      | 771662         | 1205694       | 29.47%          | 6.135%        |
| 13        | 19.916      | 2858          | 2864        | 2875         | rBV      | 3043921        | 4091631       | 100.00%         | 20.819%       |
| 14        | 20.563      | 2970          | 2974        | 2977         | rBV      | 47362          | 56717         | 1.39%           | 0.289%        |
| 15        | 21.215      | 3080          | 3085        | 3094         | rBV      | 180124         | 314353        | 7.68%           | 1.600%        |
| 16        | 21.550      | 3135          | 3142        | 3157         | rBV      | 816741         | 1354489       | 33.10%          | 6.892%        |
| 17        | 22.343      | 3273          | 3277        | 3289         | rVB4     | 33508          | 84211         | 2.06%           | 0.428%        |
| 18        | 23.013      | 3386          | 3391        | 3397         | rVB3     | 25588          | 50306         | 1.23%           | 0.256%        |
| 19        | 23.782      | 3517          | 3522        | 3530         | rBV2     | 42945          | 80566         | 1.97%           | 0.410%        |
| 20        | 24.646      | 3660          | 3669        | 3685         | rVB2     | 470729         | 1386710       | 33.89%          | 7.056%        |
| 21        | 25.774      | 3857          | 3861        | 3873         | rVB3     | 50931          | 130231        | 3.18%           | 0.663%        |

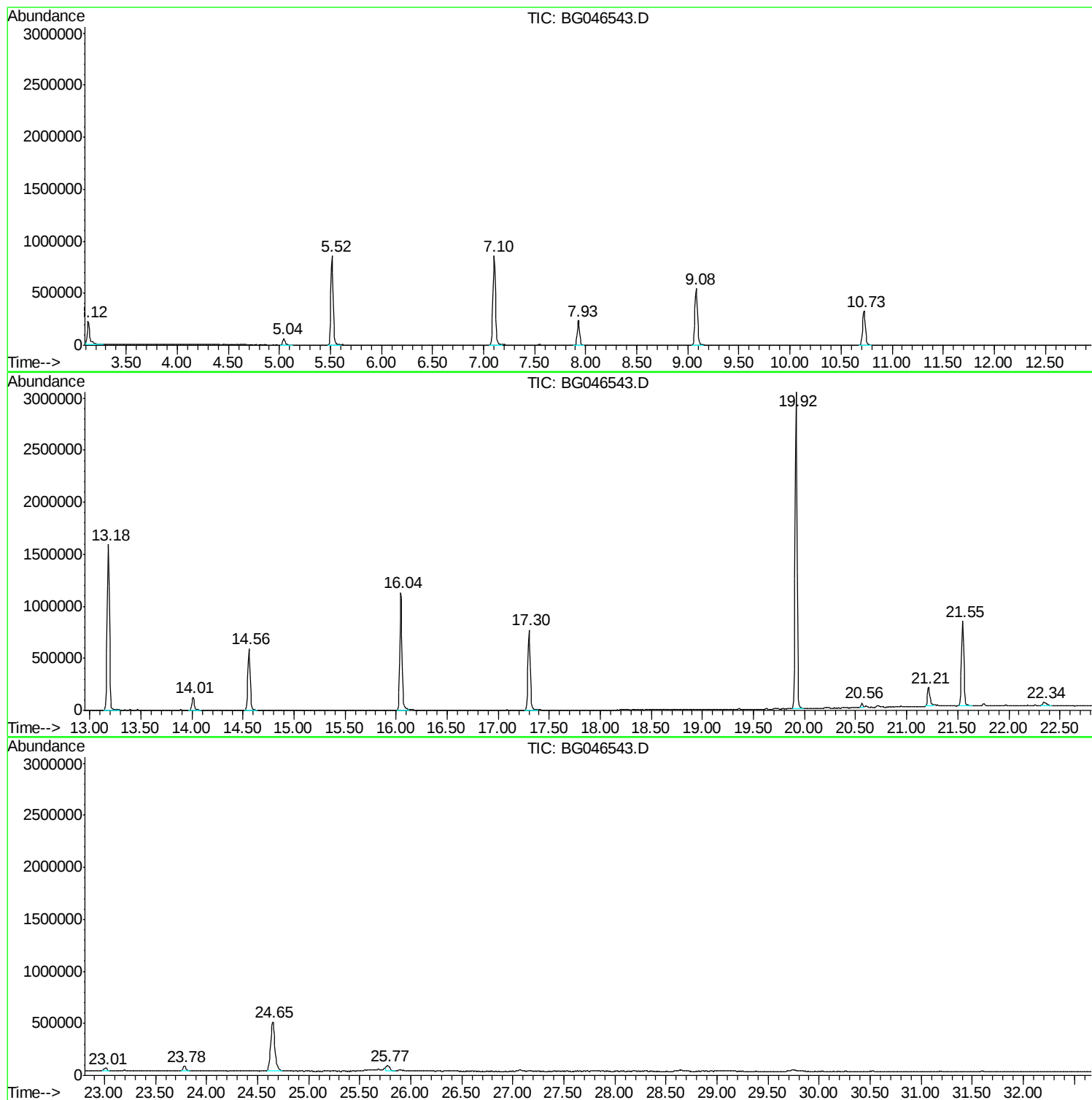
Sum of corrected areas: 19653070

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BNA\_G  
ClientSampleId :  
AL-FALAH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.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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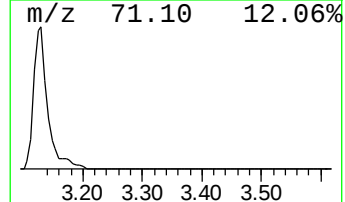
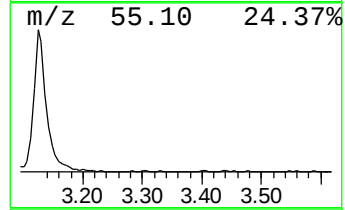
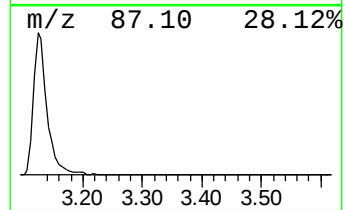
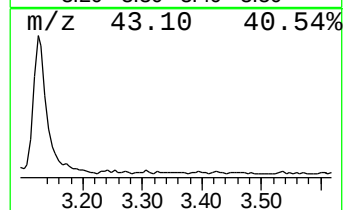
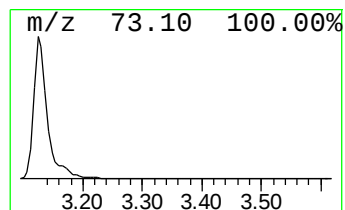
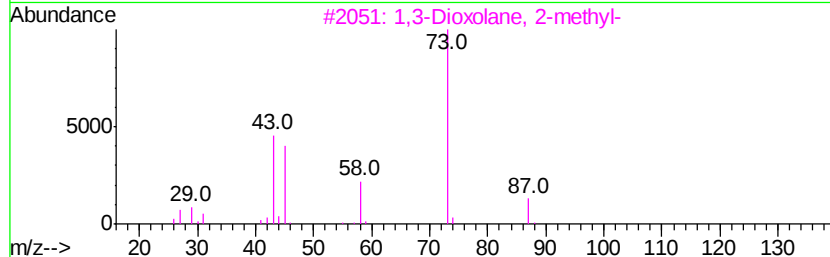
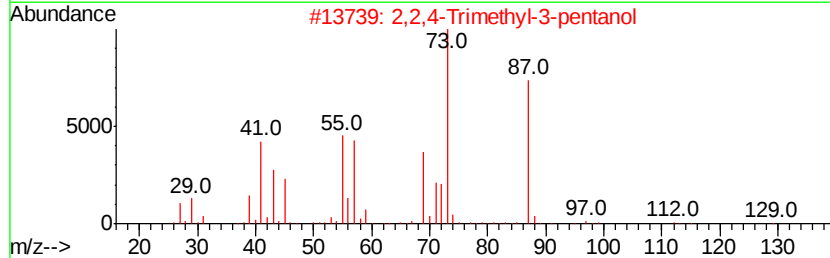
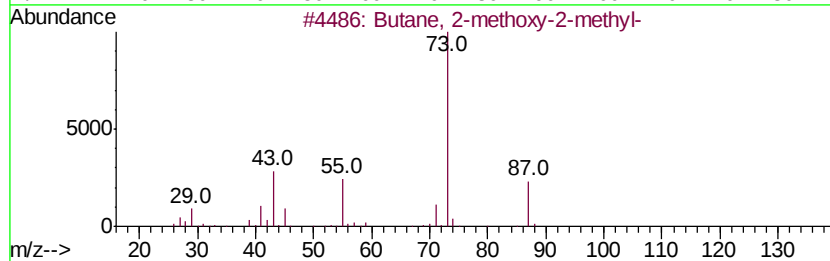
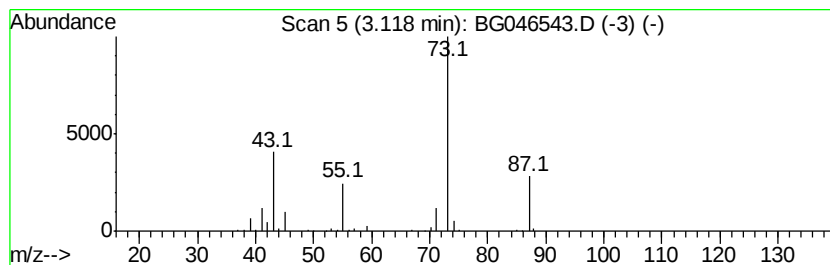
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.12 | 17.94 ng | 366738 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 32   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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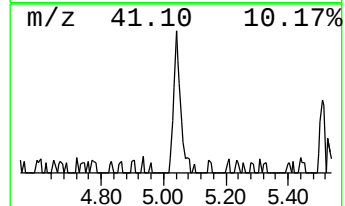
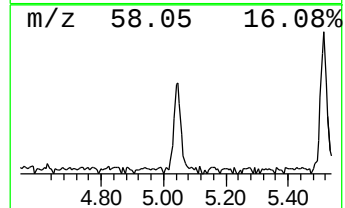
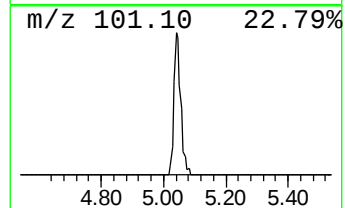
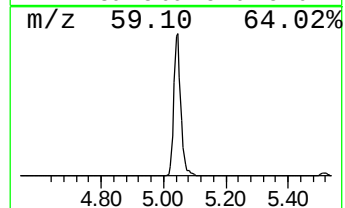
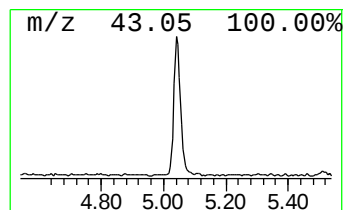
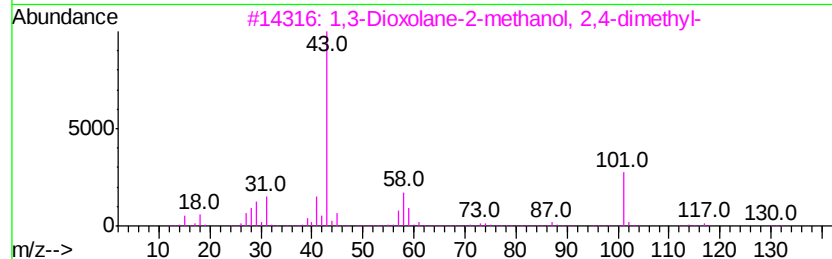
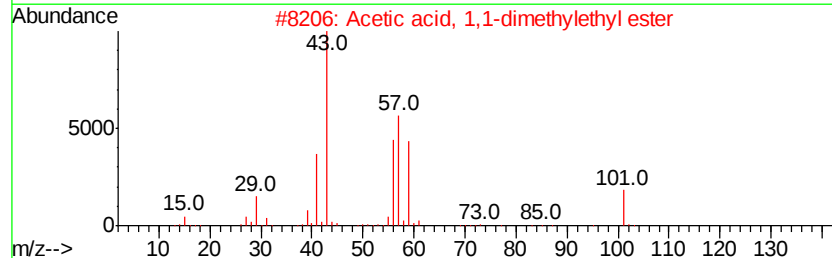
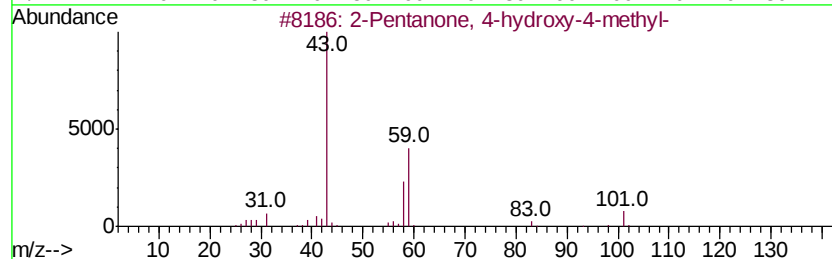
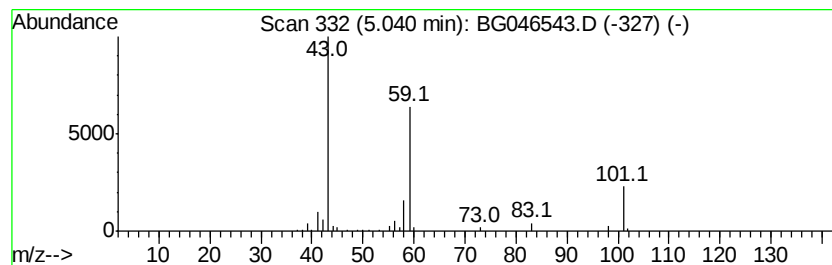
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.04 | 4.67 ng | 95424 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# | of | Tentative ID                            | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-        | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | Acetic acid, 1,1-dimethylethyl ester    | 116 | C6H12O2  | 000540-88-5 | 38   |
| 3    |    | 1,3-Dioxolane-2-methanol, 2,4-dimethyl- | 132 | C6H12O3  | 053951-43-2 | 25   |
| 4    |    | 2,3-Butanedione, monooxime              | 101 | C4H7NO2  | 000057-71-6 | 25   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethyl-      | 141 | C7H11NO2 | 001116-98-9 | 17   |



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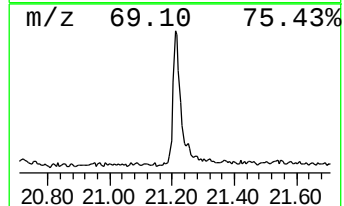
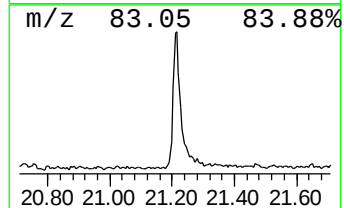
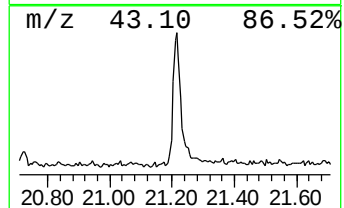
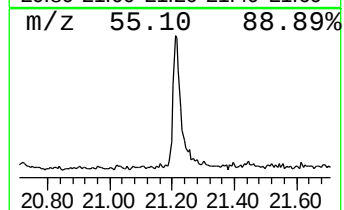
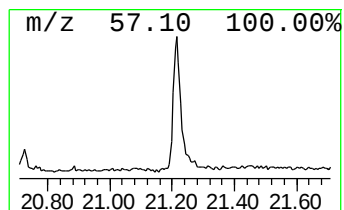
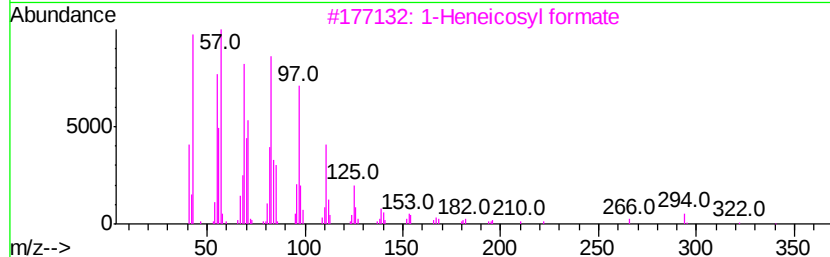
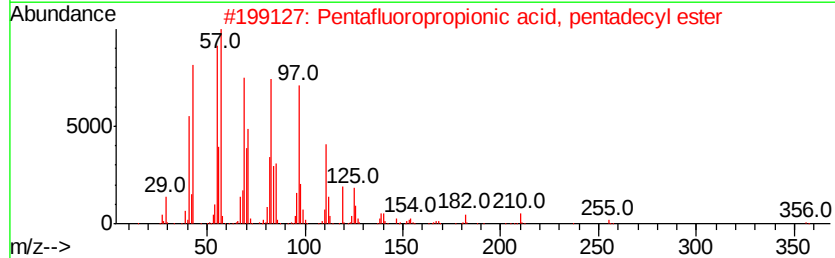
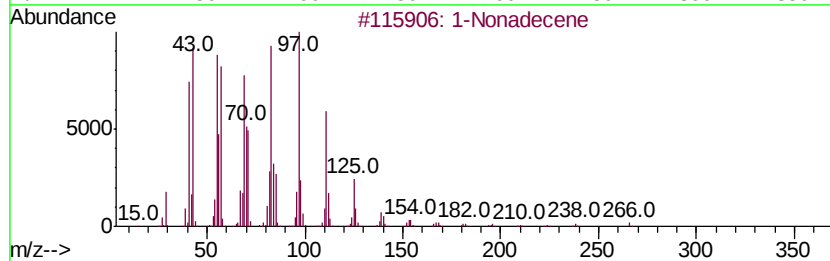
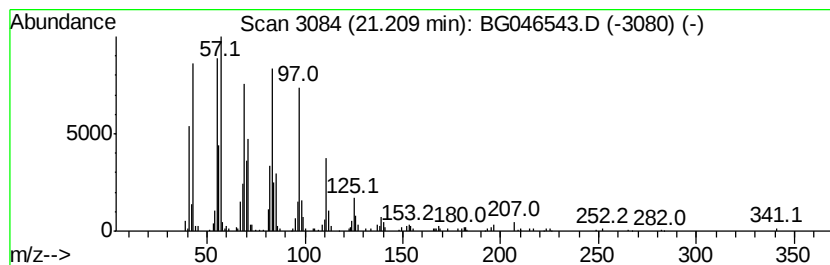
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Peak Number 3 1-Nonadecene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.21 | 4.64 ng | 314353 | Chrysene-d12     | 21.55 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm    | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|------------|-------------|------|
| 1       | 1-Nonadecene                        |              | 266 | C19H38     | 018435-45-5 | 98   |
| 2       | Pentafluoropropionic acid, penta... |              | 374 | C18H31F5O2 | 959092-08-1 | 94   |
| 3       | 1-Heneicosyl formate                |              | 340 | C22H44O2   | 077899-03-7 | 94   |
| 4       | Trifluoroacetoxy hexadecane         |              | 338 | C18H33F3O2 | 006222-03-3 | 94   |
| 5       | Heptafluorobutyric acid, hexadec... |              | 438 | C20H33F7O2 | 006385-15-5 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.12  | 17.9    | ng    | 366738   | 1                     | 7.93  | 408830  | 20.0 |
| 2-Pentanone, 4-hy... | 5.04  | 4.7     | ng    | 95424    | 1                     | 7.93  | 408830  | 20.0 |
| 1-Nonadecene         | 21.21 | 4.6     | ng    | 314353   | 5                     | 21.55 | 1354490 | 20.0 |