

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121818\  
 Data File : BG038724.D  
 Acq On : 19 Dec 2018 11:46  
 Operator : JU/SJ  
 Sample : J6398-13  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C-MW-07-121118

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-BG121218.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         | 3.183       | 12            | 16          | 27           | rVB      | 23873          | 41066         | 1.58%           | 0.411%        |
| 2         | 5.604       | 422           | 428         | 440          | rVB      | 201367         | 340693        | 13.09%          | 3.412%        |
| 3         | 7.208       | 693           | 701         | 712          | rBV      | 126908         | 241801        | 9.29%           | 2.421%        |
| 4         | 7.584       | 758           | 765         | 772          | rBV      | 387097         | 676992        | 26.00%          | 6.779%        |
| 5         | 8.054       | 839           | 845         | 852          | rBV      | 83284          | 146773        | 5.64%           | 1.470%        |
| 6         | 8.377       | 892           | 900         | 913          | rVB      | 359176         | 641394        | 24.64%          | 6.423%        |
| 7         | 9.235       | 1037          | 1046        | 1055         | rBV      | 303775         | 568494        | 21.84%          | 5.693%        |
| 8         | 10.874      | 1318          | 1325        | 1333         | rBV      | 110300         | 205039        | 7.88%           | 2.053%        |
| 9         | 13.313      | 1732          | 1740        | 1752         | rBV      | 866825         | 1380206       | 53.01%          | 13.821%       |
| 10        | 14.694      | 1968          | 1975        | 1985         | rVB2     | 193359         | 312062        | 11.99%          | 3.125%        |
| 11        | 16.186      | 2221          | 2229        | 2246         | rBV3     | 742714         | 1193357       | 45.84%          | 11.950%       |
| 12        | 17.443      | 2436          | 2443        | 2456         | rVB2     | 271202         | 434862        | 16.70%          | 4.355%        |
| 13        | 20.046      | 2879          | 2886        | 2896         | rBV      | 1878826        | 2603528       | 100.00%         | 26.071%       |
| 14        | 21.721      | 3162          | 3171        | 3183         | rBV2     | 300301         | 519197        | 19.94%          | 5.199%        |
| 15        | 23.172      | 3412          | 3418        | 3427         | rVB      | 22451          | 41111         | 1.58%           | 0.412%        |
| 16        | 23.977      | 3548          | 3555        | 3564         | rVB3     | 23390          | 52469         | 2.02%           | 0.525%        |
| 17        | 24.940      | 3710          | 3719        | 3723         | rBV3     | 20685          | 55674         | 2.14%           | 0.558%        |
| 18        | 25.017      | 3723          | 3732        | 3748         | rVB      | 165881         | 485163        | 18.63%          | 4.858%        |
| 19        | 26.086      | 3905          | 3914        | 3924         | rBV5     | 15812          | 46239         | 1.78%           | 0.463%        |

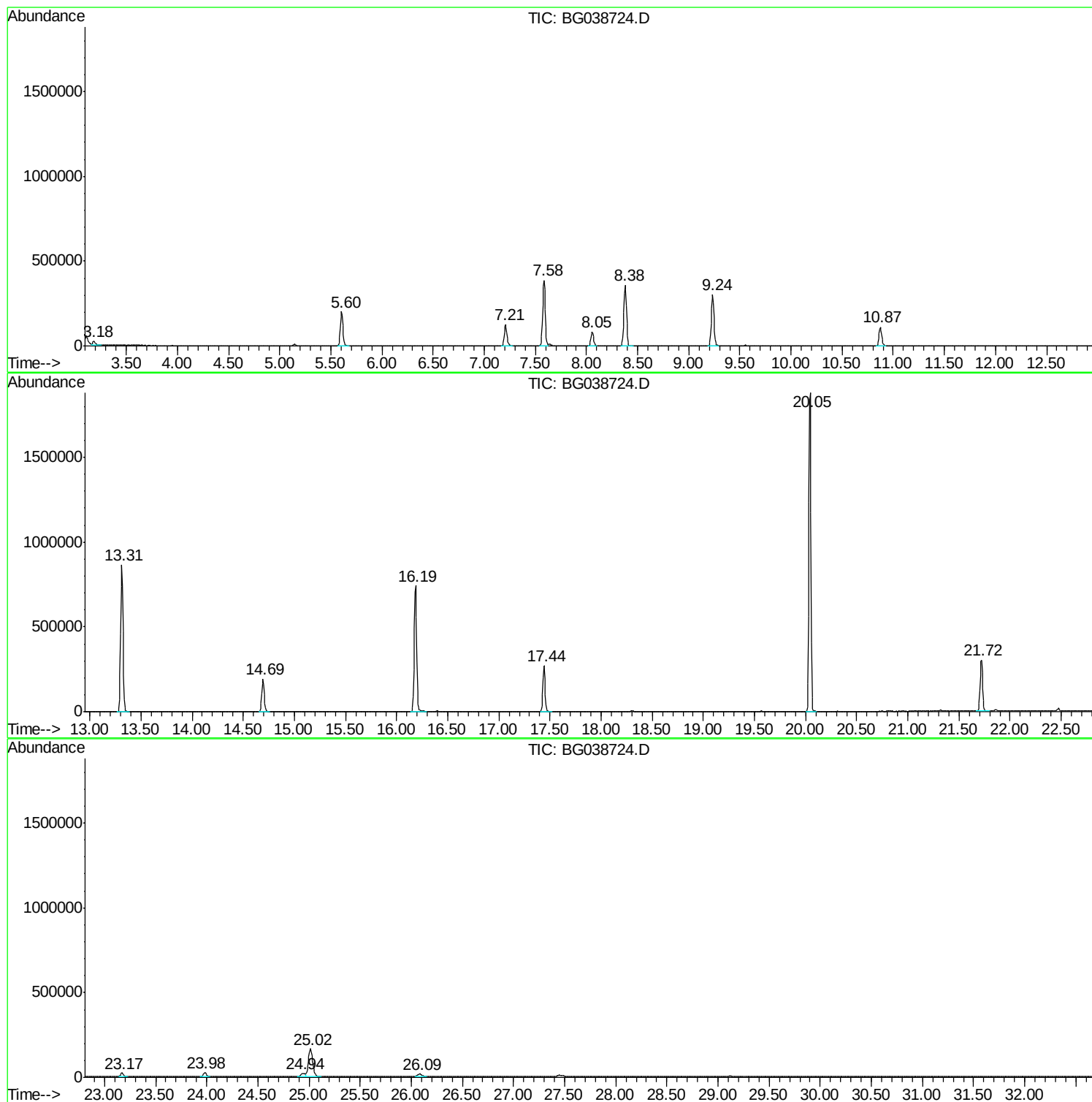
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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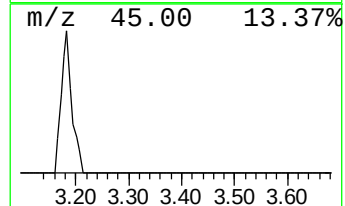
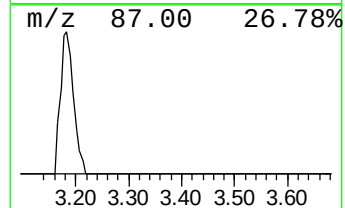
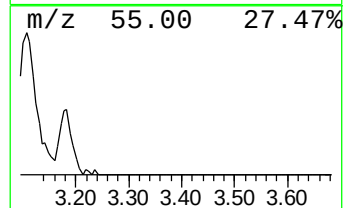
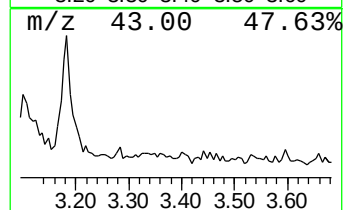
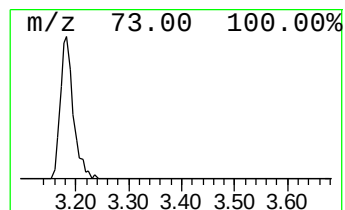
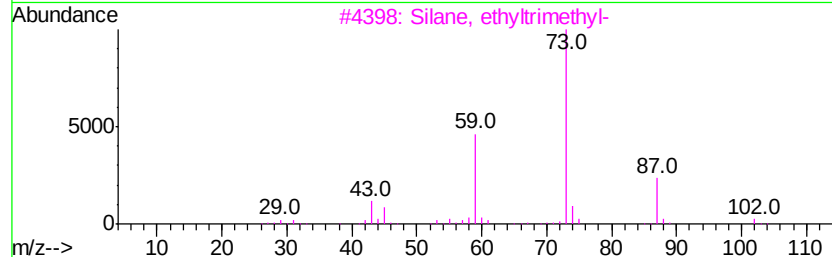
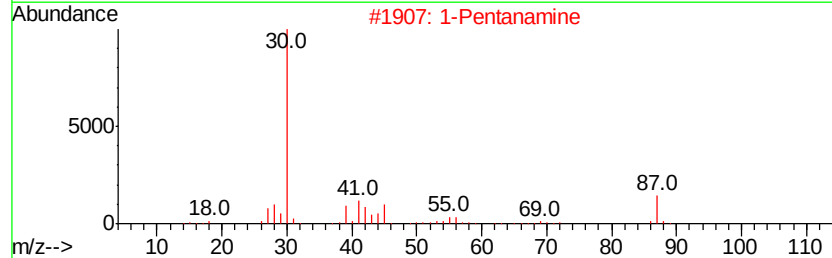
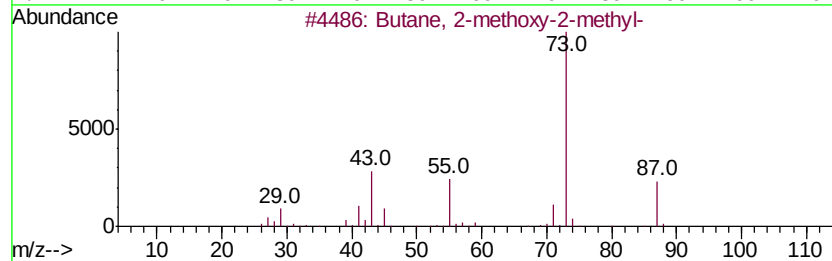
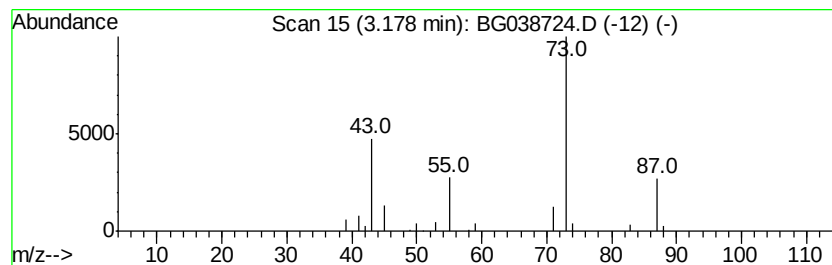
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 3.18 | 5.60 ng | 41066 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    |   | 1-Pentanamine               | 87  | C5H13N  | 000110-58-7 | 25   |
| 3    |    |   | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 9    |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 5    |    |   | 3-Hexanol, 2,4-dimethyl-    | 130 | C8H18O  | 013432-25-2 | 9    |



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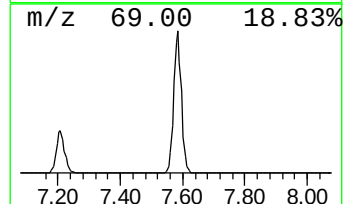
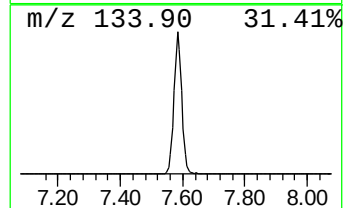
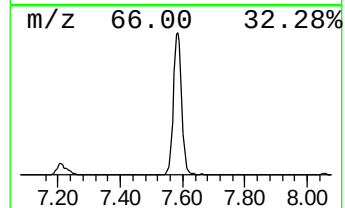
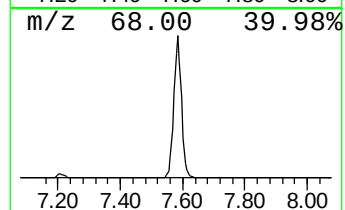
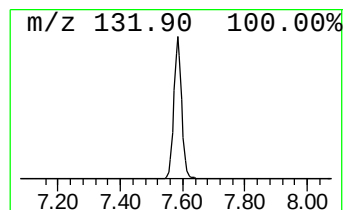
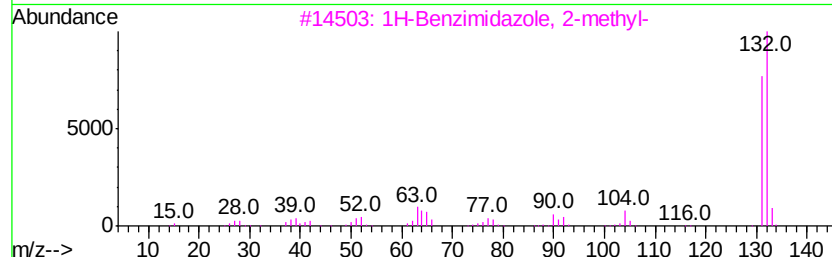
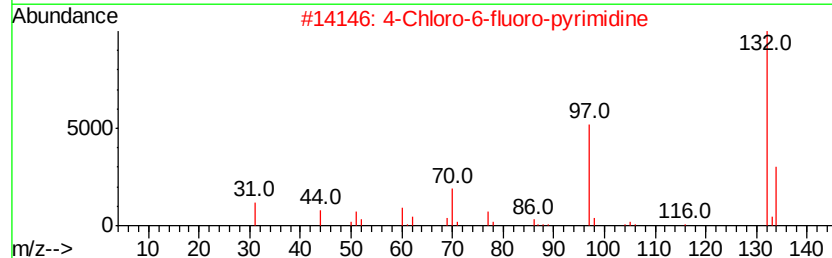
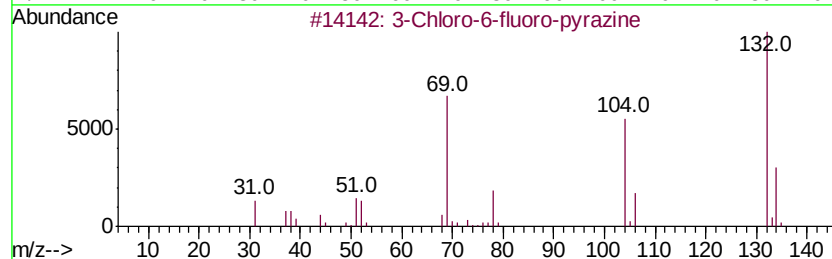
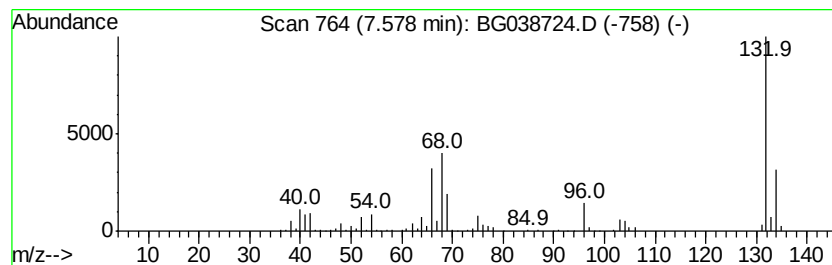
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Peak Number 2 unknown7.58 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.58 | 92.25 ng | 676992 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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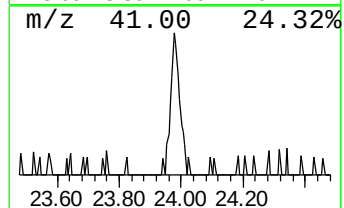
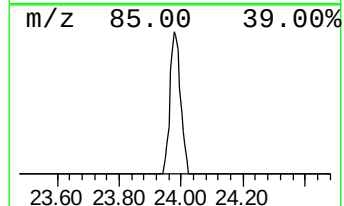
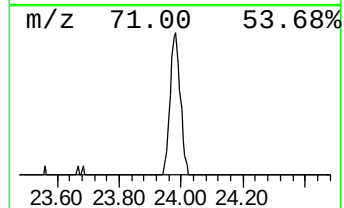
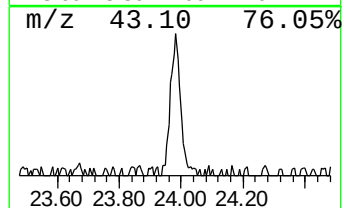
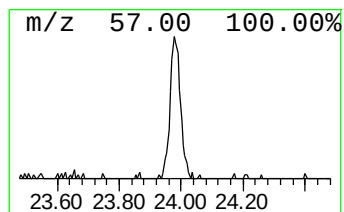
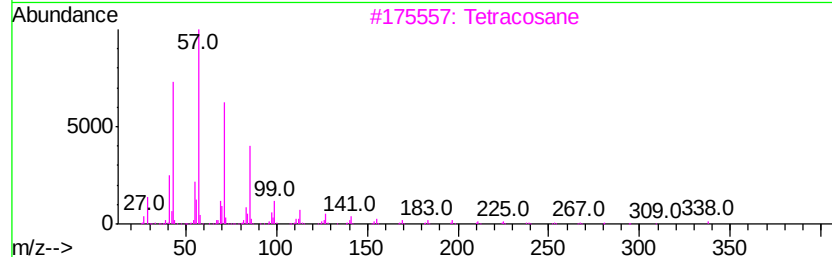
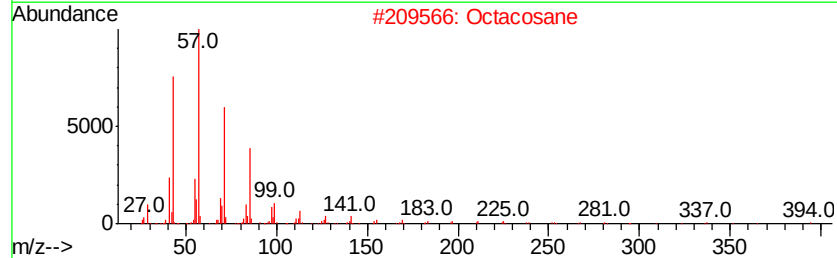
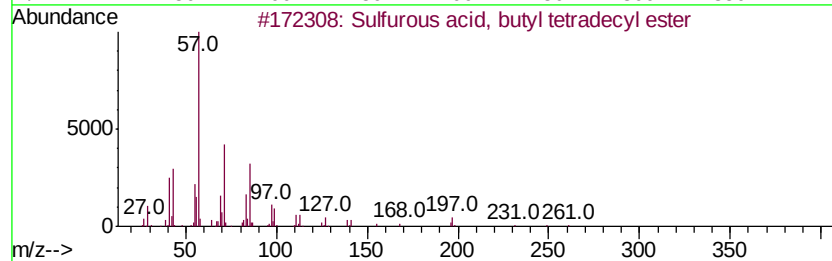
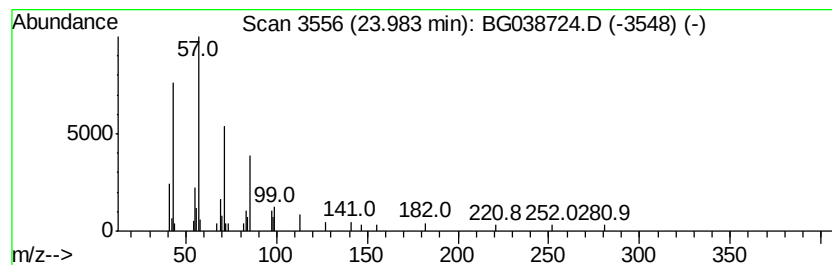
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Peak Number 4 Sulfurous acid, butyl tetra... Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.98 | 2.16 ng | 52469 | Perylene-d12     | 25.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, butyl tetradecyl... | 334 | C18H38O3S | 1000309-18-1 | 83   |
| 2    |    | Octacosane                          | 394 | C28H58    | 000630-02-4  | 83   |
| 3    |    | Tetracosane                         | 338 | C24H50    | 000646-31-1  | 80   |
| 4    |    | Hexatriacontane                     | 507 | C36H74    | 000630-06-8  | 80   |
| 5    |    | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 80   |



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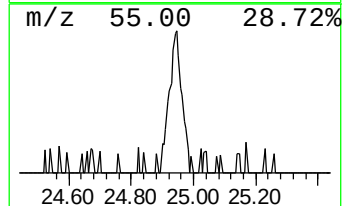
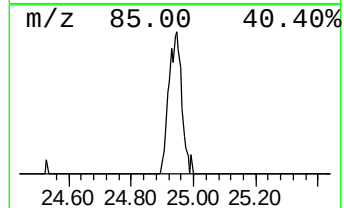
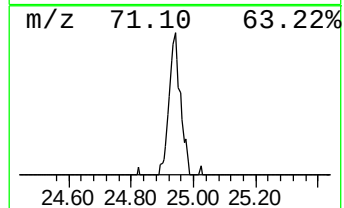
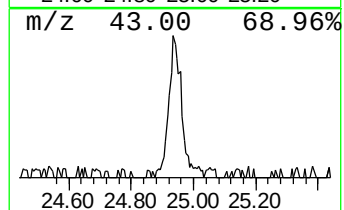
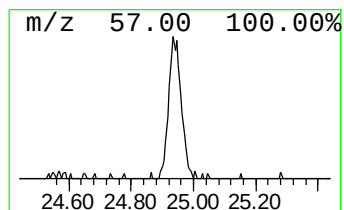
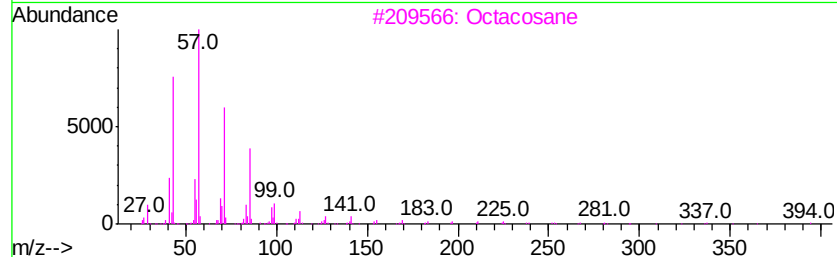
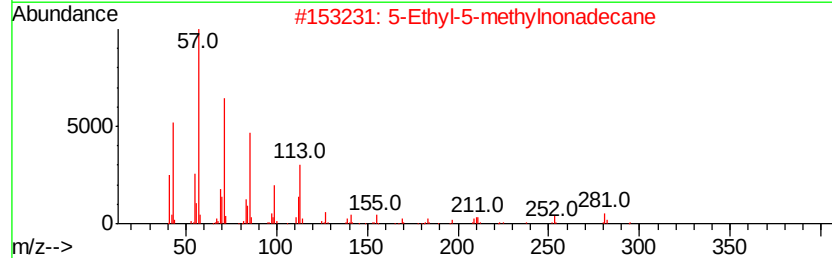
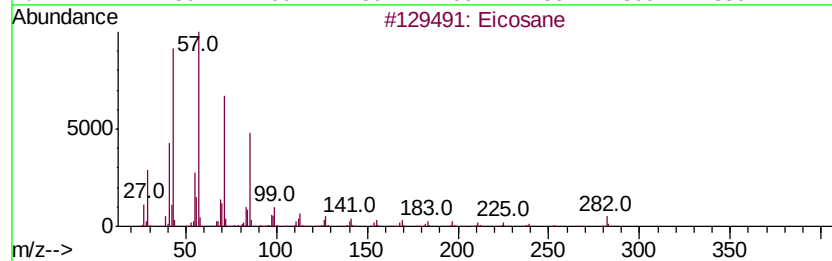
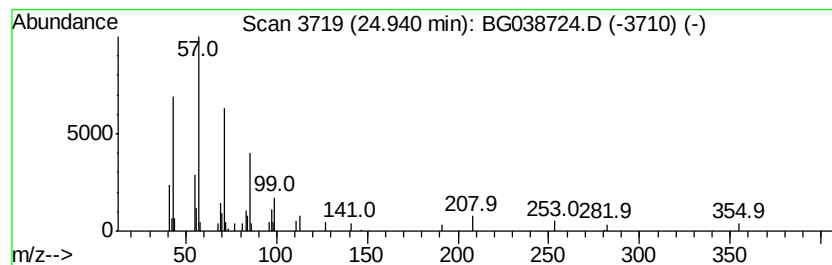
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Peak Number 5 Eicosane Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 24.94 | 2.30 ng | 55674 | Perylene-d12     | 25.02 |

| Hit# of | 5                          | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|----------------------------|--------------|-----|---------|--------------|------|
| 1       | Eicosane                   |              | 282 | C20H42  | 000112-95-8  | 90   |
| 2       | 5-Ethyl-5-methylnonadecane |              | 310 | C22H46  | 1000360-42-7 | 80   |
| 3       | Octacosane                 |              | 394 | C28H58  | 000630-02-4  | 74   |
| 4       | Docosane, 11-butyl-        |              | 366 | C26H54  | 013475-76-8  | 74   |
| 5       | Tetracosane                |              | 338 | C24H50  | 000646-31-1  | 74   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 3.18  | 5.6     | ng    | 41066    | 1                     | 8.05  | 146773 | 20.0 |
| unknown7.58          | 7.58  | 92.3    | ng    | 676992   | 1                     | 8.05  | 146773 | 20.0 |
| Sulfurous acid, b... | 23.98 | 2.2     | ng    | 52469    | 6                     | 25.02 | 485163 | 20.0 |
| Eicosane             | 24.94 | 2.3     | ng    | 55674    | 6                     | 25.02 | 485163 | 20.0 |