

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\  
 Data File : BG024005.D  
 Acq On : 16 Sep 2016 22:32  
 Operator : UM/SJ  
 Sample : H4813-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-4

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:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.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         | 5.125       | 384           | 389         | 394          | rVB3     | 67696          | 114224        | 1.89%           | 0.460%        |
| 2         | 5.607       | 465           | 471         | 484          | rBV      | 496008         | 870305        | 14.41%          | 3.505%        |
| 3         | 7.222       | 740           | 746         | 761          | rBV      | 330667         | 644627        | 10.67%          | 2.596%        |
| 4         | 7.587       | 800           | 808         | 822          | rBV      | 950501         | 1676593       | 27.76%          | 6.752%        |
| 5         | 8.051       | 881           | 887         | 895          | rBV2     | 178734         | 320295        | 5.30%           | 1.290%        |
| 6         | 8.380       | 936           | 943         | 951          | rBV      | 834511         | 1426329       | 23.62%          | 5.744%        |
| 7         | 9.237       | 1082          | 1089        | 1105         | rBV      | 770355         | 1429439       | 23.67%          | 5.757%        |
| 8         | 10.888      | 1362          | 1370        | 1377         | rBV      | 253402         | 481510        | 7.97%           | 1.939%        |
| 9         | 13.338      | 1779          | 1787        | 1796         | rBV      | 2224452        | 3470142       | 57.46%          | 13.975%       |
| 10        | 14.178      | 1925          | 1930        | 1937         | rBV2     | 69398          | 114626        | 1.90%           | 0.462%        |
| 11        | 14.730      | 2017          | 2024        | 2031         | rBV      | 484870         | 780053        | 12.92%          | 3.142%        |
| 12        | 16.228      | 2273          | 2279        | 2294         | rBV      | 2317312        | 3633838       | 60.17%          | 14.635%       |
| 13        | 17.491      | 2486          | 2494        | 2506         | rBV      | 682991         | 1136451       | 18.82%          | 4.577%        |
| 14        | 18.366      | 2639          | 2643        | 2651         | rBV4     | 53974          | 89426         | 1.48%           | 0.360%        |
| 15        | 19.635      | 2855          | 2859        | 2865         | rBV4     | 53396          | 91051         | 1.51%           | 0.367%        |
| 16        | 20.105      | 2932          | 2939        | 2947         | rBV      | 4557127        | 6039552       | 100.00%         | 24.323%       |
| 17        | 21.803      | 3221          | 3228        | 3239         | rVB      | 704661         | 1219853       | 20.20%          | 4.913%        |
| 18        | 22.660      | 3370          | 3374        | 3380         | rVB2     | 110728         | 186880        | 3.09%           | 0.753%        |
| 19        | 25.145      | 3788          | 3797        | 3808         | rVB3     | 360606         | 1105084       | 18.30%          | 4.451%        |

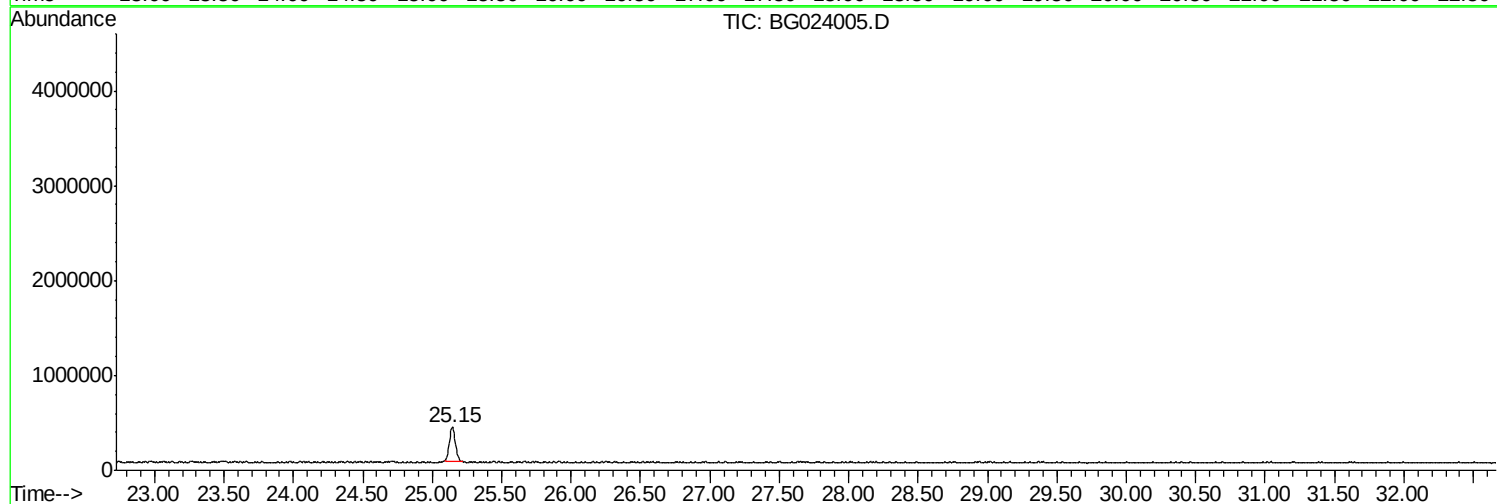
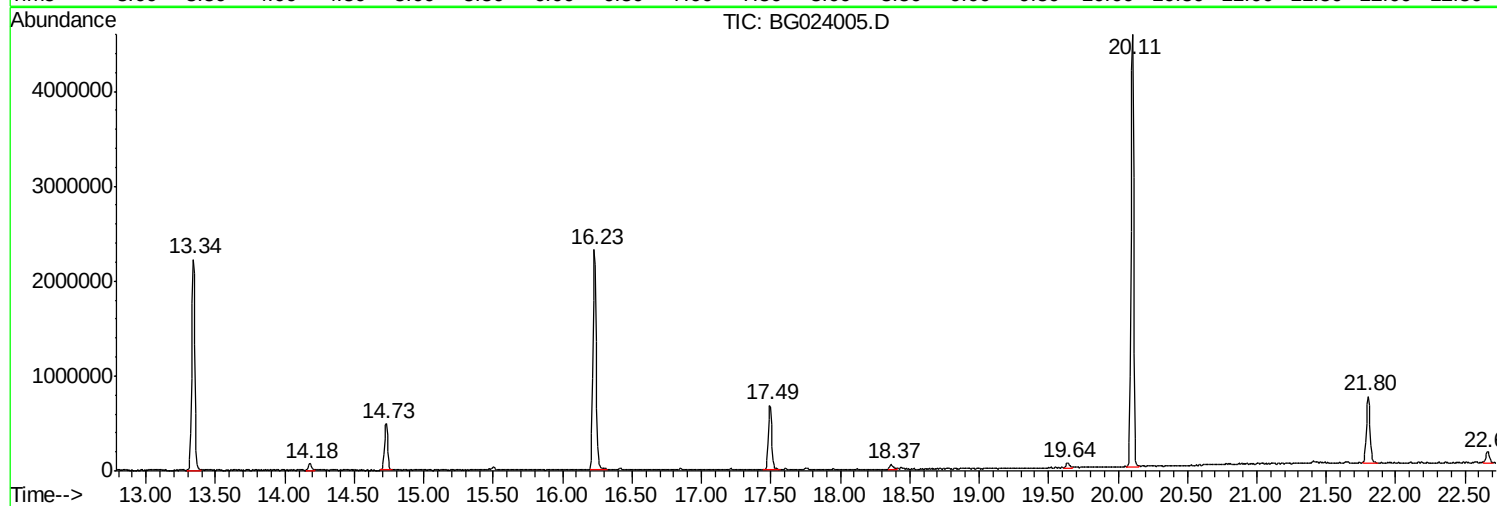
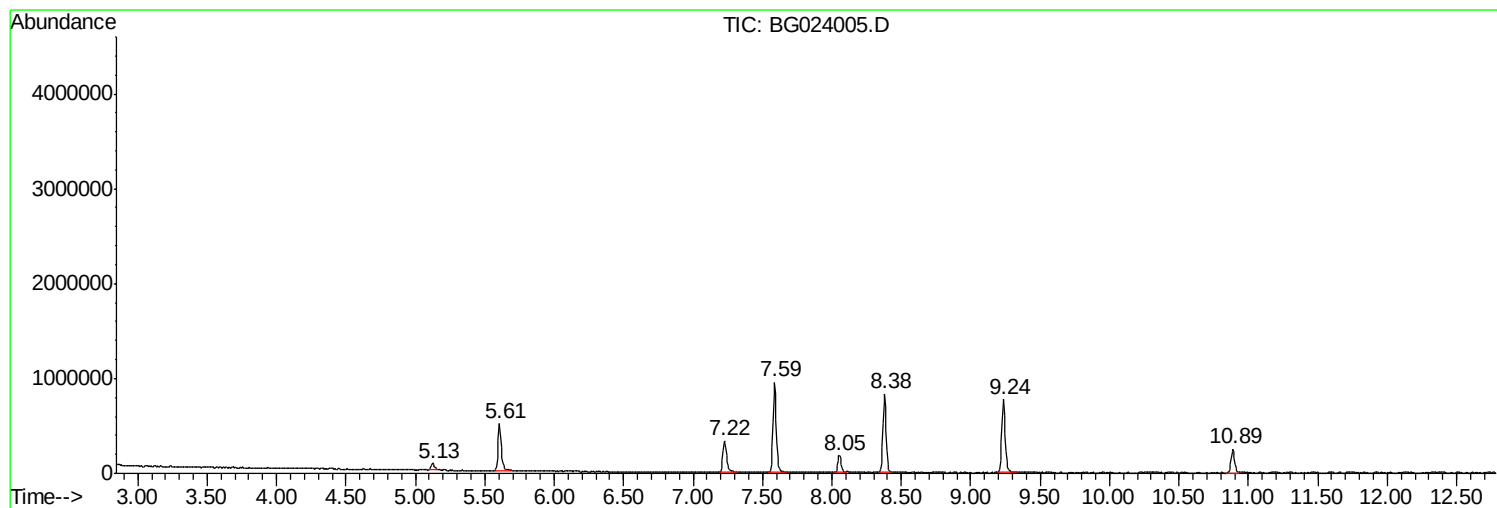
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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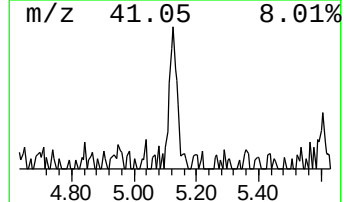
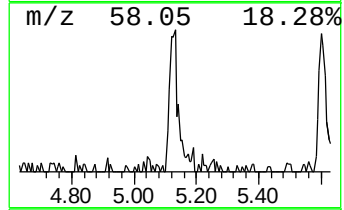
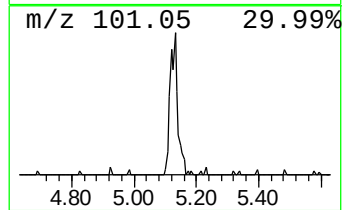
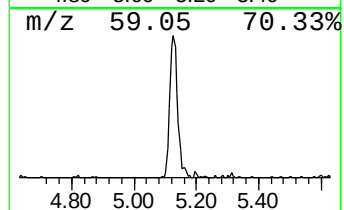
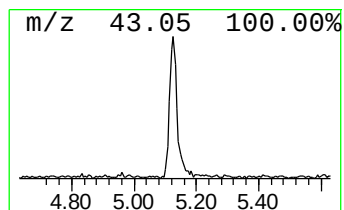
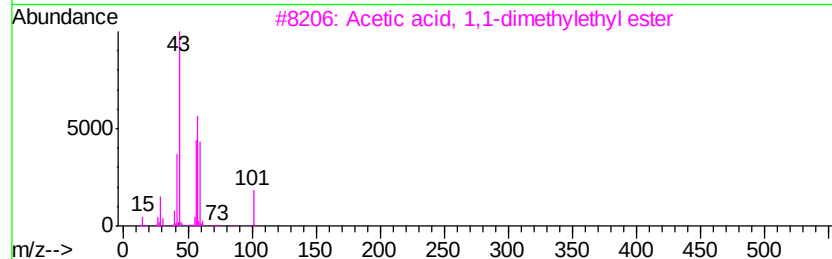
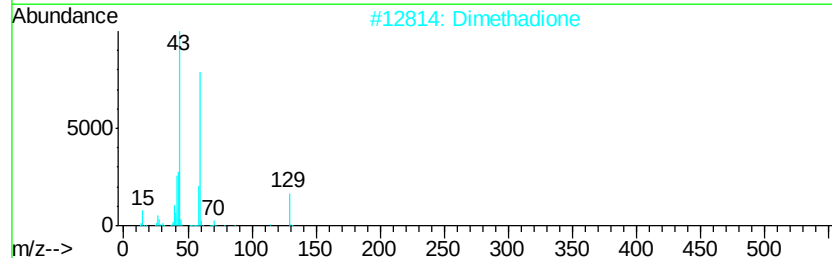
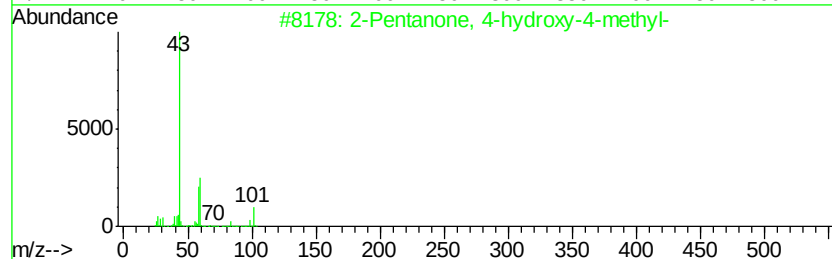
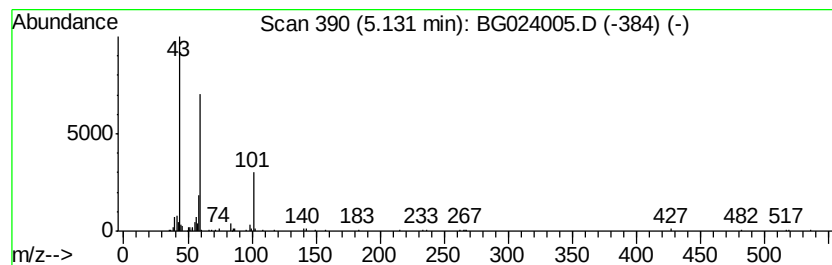
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.13 | 7.13 ng | 114224 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 42   |
| 2    |    |   | Dimethadione                        | 129 | C5H7NO3 | 000695-53-4 | 42   |
| 3    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 37   |
| 5    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 27   |



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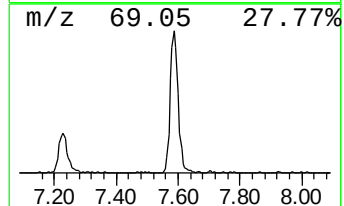
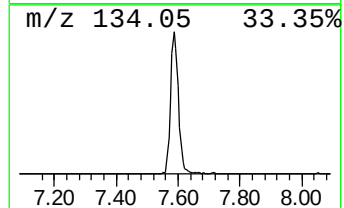
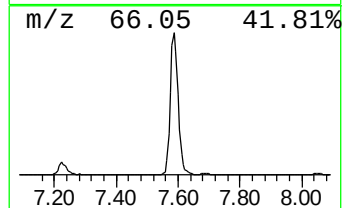
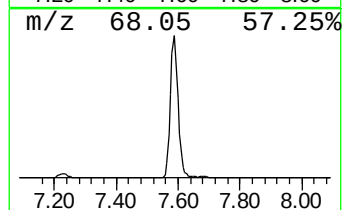
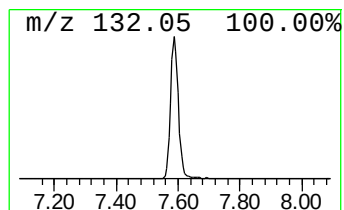
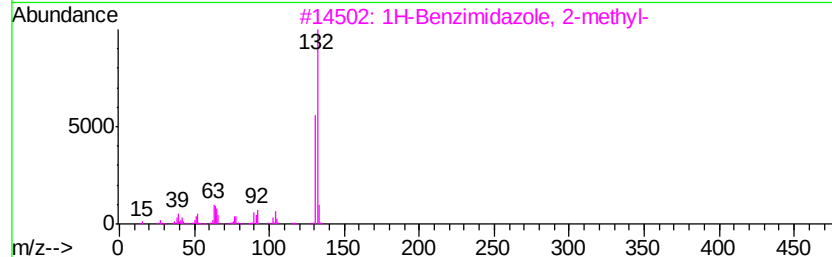
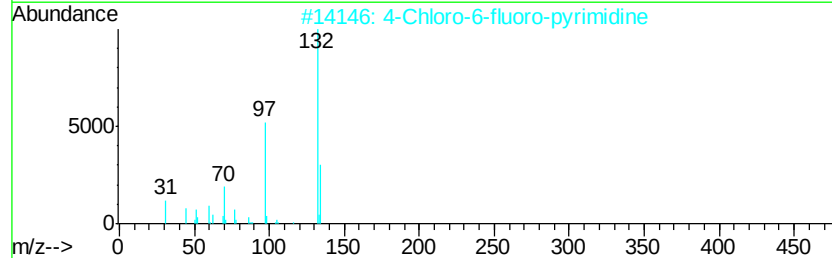
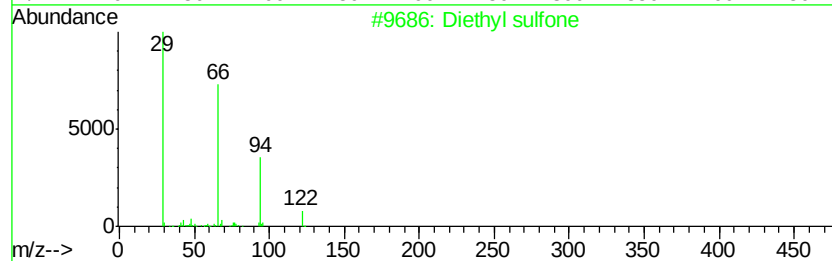
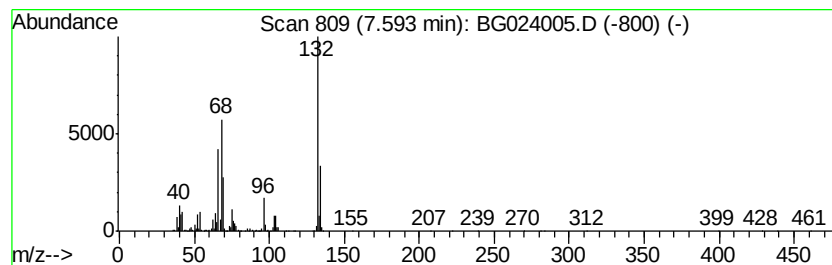
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Peak Number 2 unknown7.59 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.59 | 104.69 ng | 1676590 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Diethyl sulfone                  | 122 | C4H10O2S  | 000597-35-3 | 17   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6 | 14   |
| 3    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6 | 14   |
| 4    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9 | 9    |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3 | 9    |



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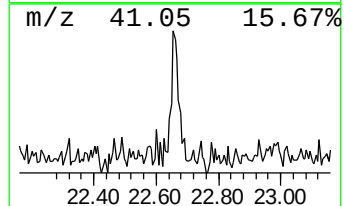
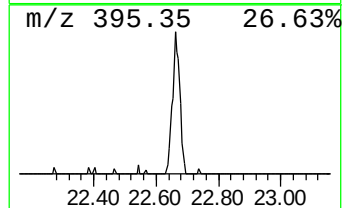
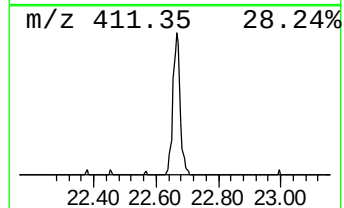
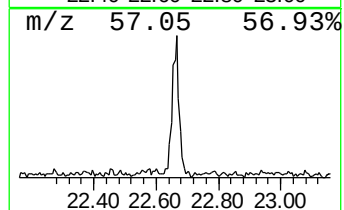
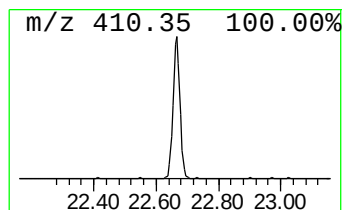
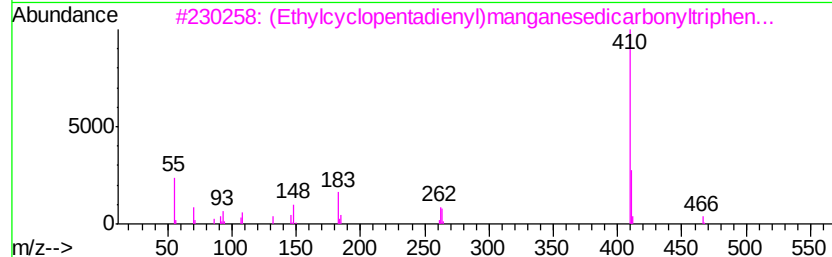
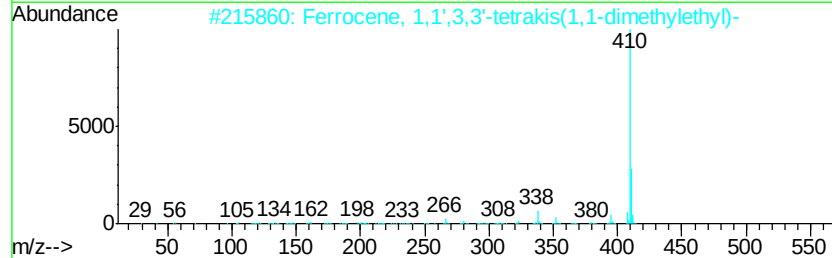
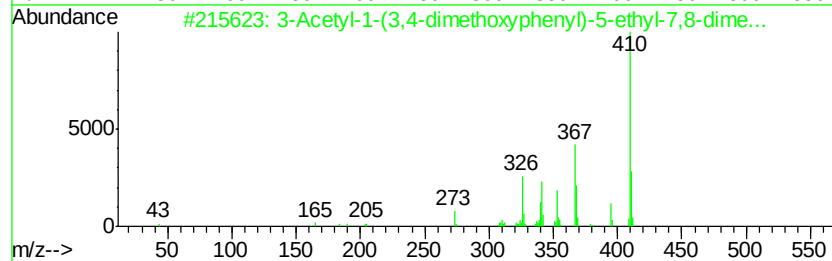
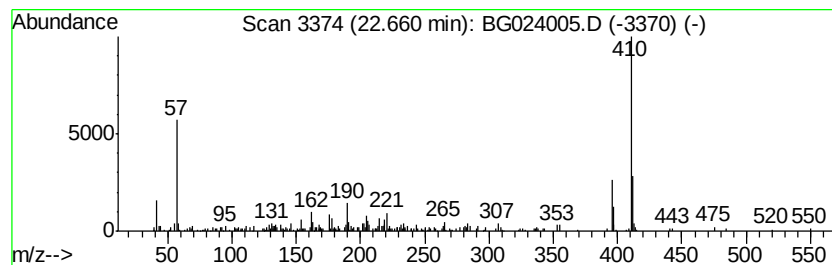
Instrument :  
BNA\_G  
ClientSampled :  
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Peak Number 4 3-Acetyl-1-(3,4-dimethoxyph... Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 22.66   | 3.06 ng | 186880                              | Chrysene-d12     | 21.80       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | 3-Acetyl-1-(3,4-dimethoxyphenyl)... | 410              | C23H26N2O5  | 090140-65-1  | 50   |
| 2       |         | Ferrocene, 1,1',3,3'-tetrakis(1,... | 410              | C26H42Fe    | 001317-17-5  | 45   |
| 3       |         | (Ethylcyclopentadienyl)manganese... | 466              | C27H24MnO2P | 033336-99-1  | 42   |
| 4       |         | Silane, [(6a,7,8,10a-tetrahydro-... | 526              | C31H50O3Si2 | 066251-00-1  | 39   |
| 5       |         | 5-[(2-Hydroxyethyl)octadecylamin... | 441              | C27H55N03   | 1000185-08-9 | 38   |



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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-hy... | 5.13  | 7.1     | ng    | 114224   | 1                     | 8.06  | 320295  | 20.0 |
| unknown7.59          | 7.59  | 104.7   | ng    | 1676590  | 1                     | 8.06  | 320295  | 20.0 |
| 3-Acetyl-1-(3,4-d... | 22.66 | 3.1     | ng    | 186880   | 5                     | 21.80 | 1219850 | 20.0 |