

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\  
 Data File : BG022247.D  
 Acq On : 9 Jun 2016 00:04  
 Operator : UM/SJ  
 Sample : H3381-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-08

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-BG060616.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         | 5.664       | 473           | 481         | 495          | rBV      | 148502         | 293529        | 12.25%          | 2.858%        |
| 2         | 7.274       | 746           | 755         | 770          | rBV      | 96623          | 203873        | 8.51%           | 1.985%        |
| 3         | 7.644       | 810           | 818         | 830          | rBV      | 348262         | 705069        | 29.43%          | 6.864%        |
| 4         | 8.114       | 889           | 898         | 910          | rBV      | 73333          | 146669        | 6.12%           | 1.428%        |
| 5         | 8.443       | 945           | 954         | 970          | rBV      | 343987         | 687648        | 28.71%          | 6.694%        |
| 6         | 9.289       | 1087          | 1098        | 1114         | rBV      | 247842         | 536231        | 22.39%          | 5.220%        |
| 7         | 10.934      | 1370          | 1378        | 1390         | rBV      | 118469         | 254675        | 10.63%          | 2.479%        |
| 8         | 11.798      | 1517          | 1525        | 1533         | rBV7     | 8512           | 24957         | 1.04%           | 0.243%        |
| 9         | 12.944      | 1714          | 1720        | 1727         | rBV7     | 10011          | 23986         | 1.00%           | 0.234%        |
| 10        | 13.367      | 1784          | 1792        | 1803         | rBV      | 1000336        | 1717620       | 71.71%          | 16.721%       |
| 11        | 14.260      | 1939          | 1944        | 1953         | rBV3     | 31380          | 58983         | 2.46%           | 0.574%        |
| 12        | 14.383      | 1957          | 1965        | 1972         | rVB5     | 20798          | 39293         | 1.64%           | 0.383%        |
| 13        | 14.747      | 2018          | 2027        | 2034         | rBV2     | 238940         | 438549        | 18.31%          | 4.269%        |
| 14        | 16.234      | 2273          | 2280        | 2290         | rBV      | 747954         | 1230078       | 51.35%          | 11.975%       |
| 15        | 17.491      | 2487          | 2494        | 2504         | rBV2     | 289447         | 508771        | 21.24%          | 4.953%        |
| 16        | 17.844      | 2546          | 2554        | 2557         | rBV9     | 11078          | 26535         | 1.11%           | 0.258%        |
| 17        | 20.082      | 2929          | 2935        | 2945         | rBV      | 1677905        | 2395379       | 100.00%         | 23.319%       |
| 18        | 21.763      | 3214          | 3221        | 3232         | rBV      | 261617         | 506549        | 21.15%          | 4.931%        |
| 19        | 25.059      | 3770          | 3782        | 3799         | rBV2     | 142625         | 473750        | 19.78%          | 4.612%        |

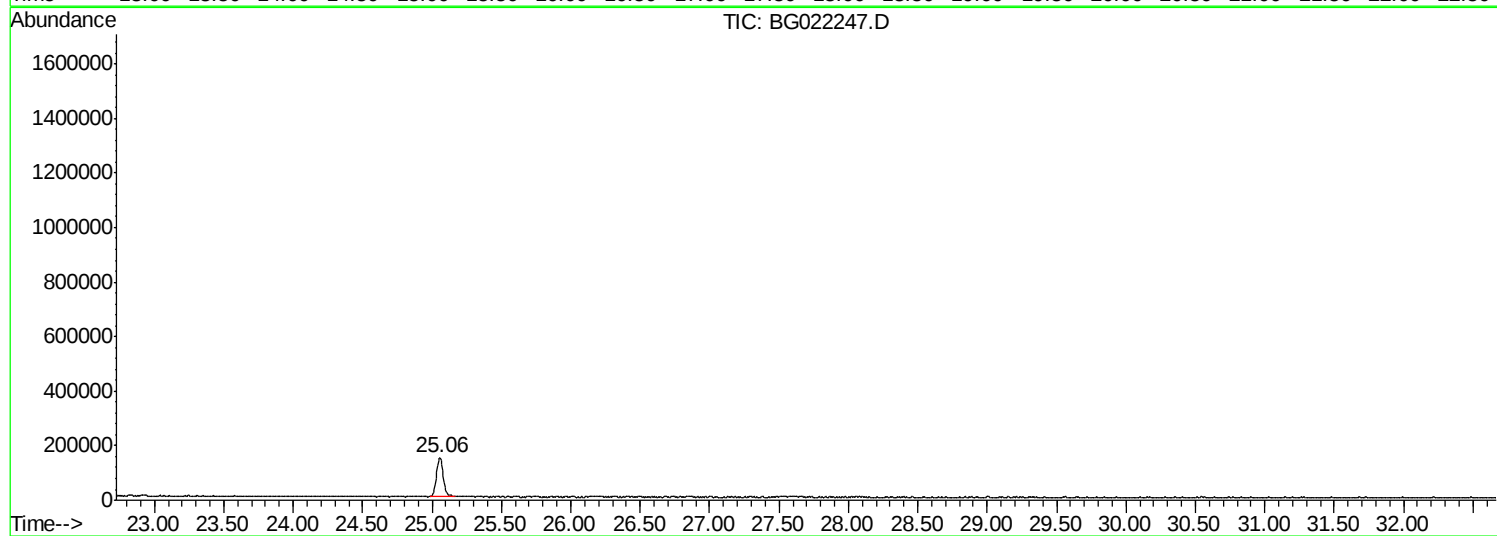
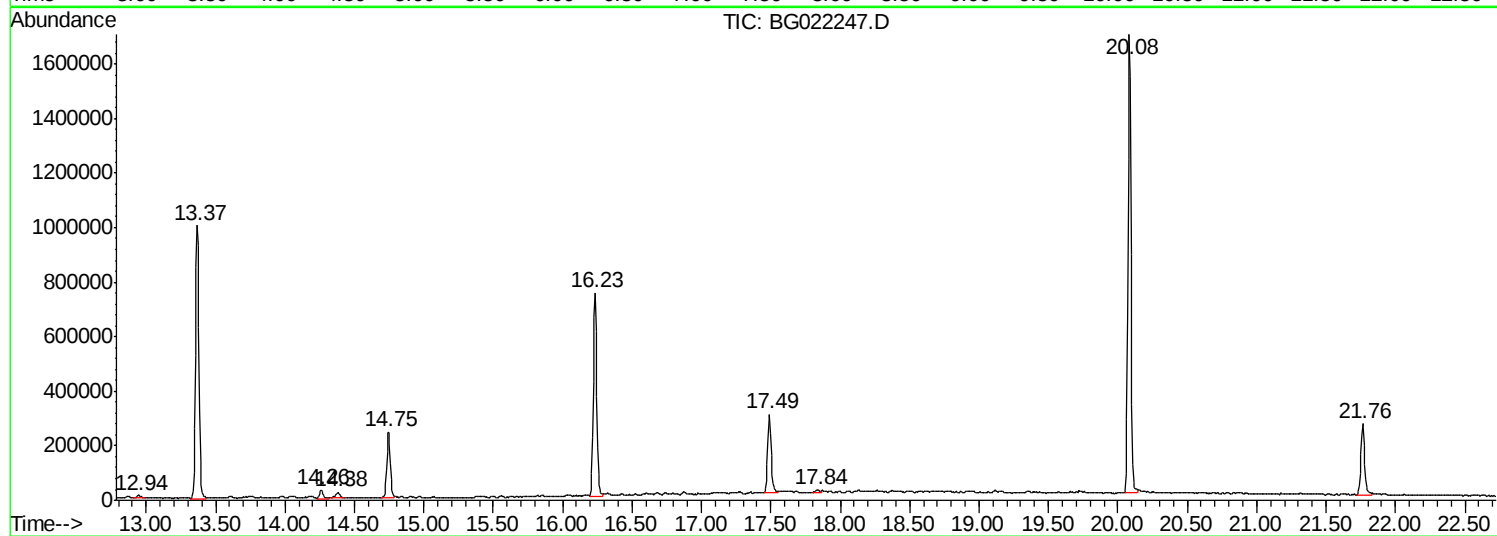
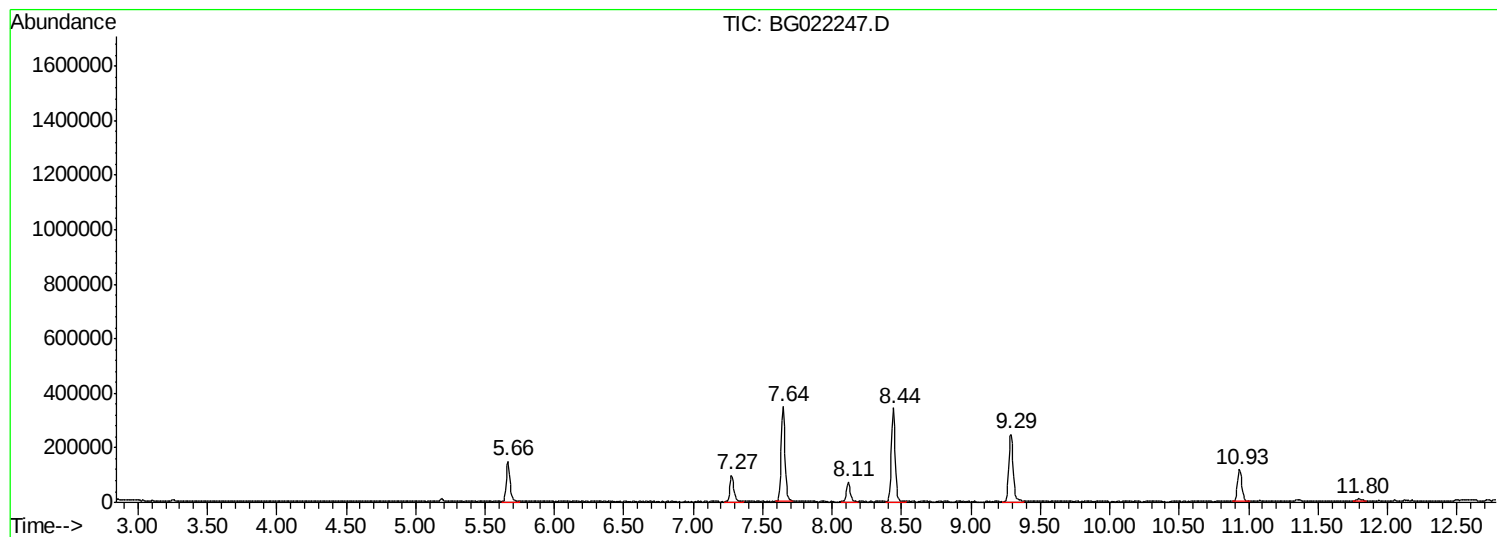
Sum of corrected areas: 10272144

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Instrument :  
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ClientSampleId :  
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Quant Title :

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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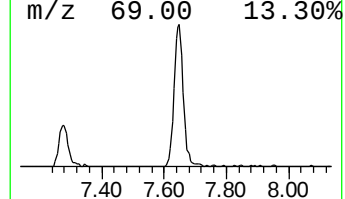
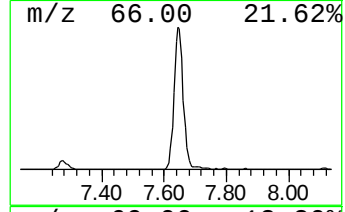
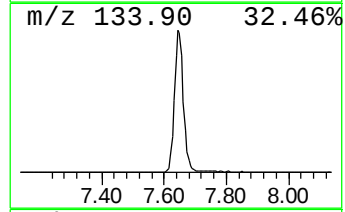
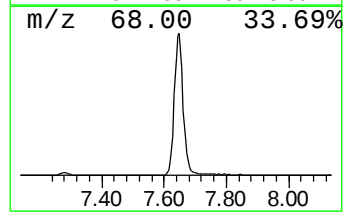
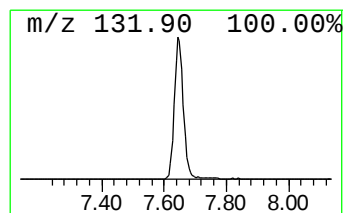
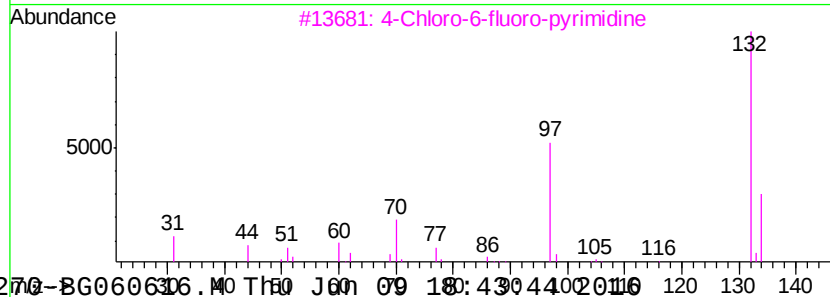
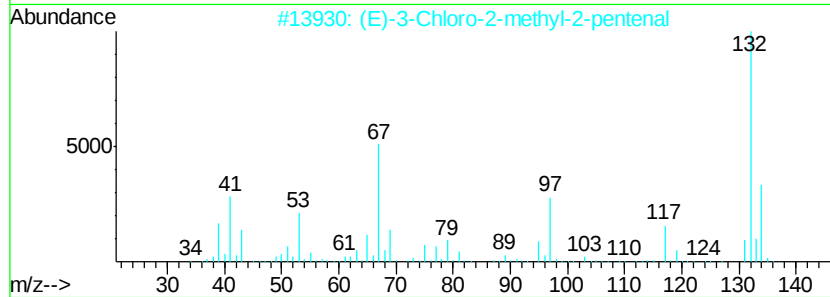
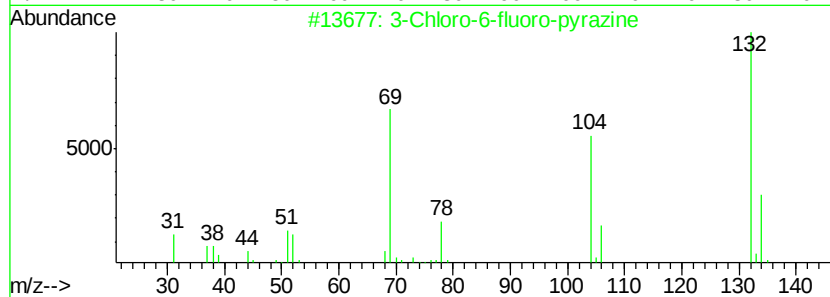
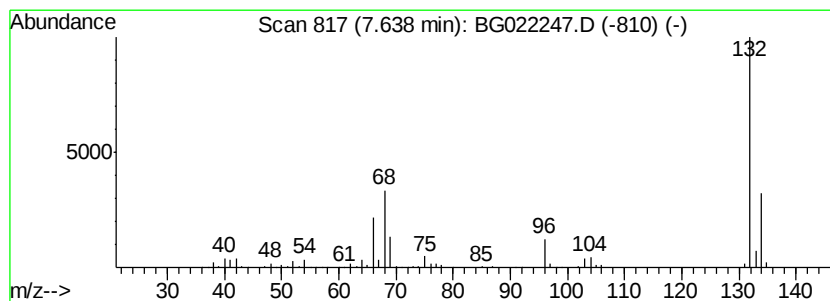
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.64 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.64 | 96.14 ng | 705069 | 1,4-Dichlorobenzene-d4 | 8.11 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|-----------|----------------------------------|-----|-----------|--------------|------|
| 1         | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2         | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3         | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 4         | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5         | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 9    |



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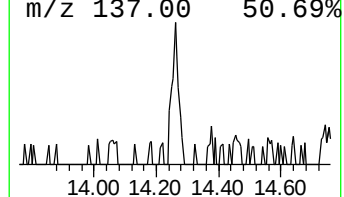
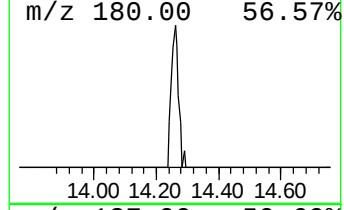
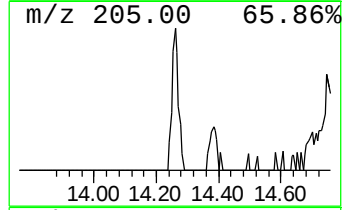
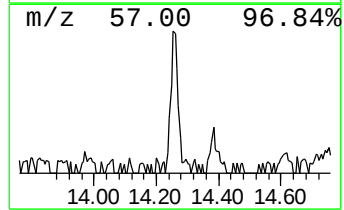
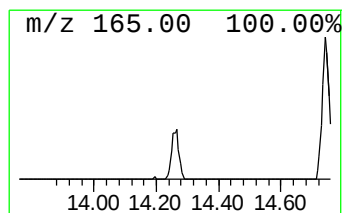
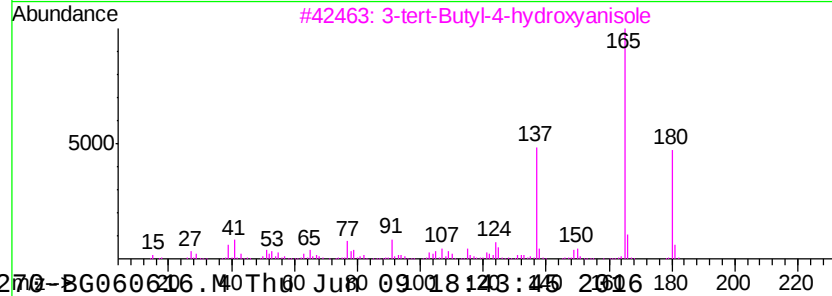
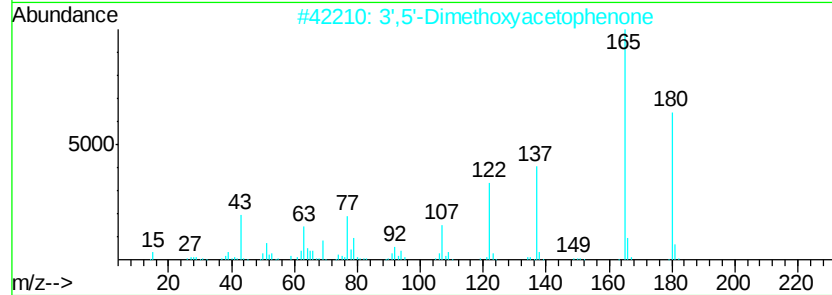
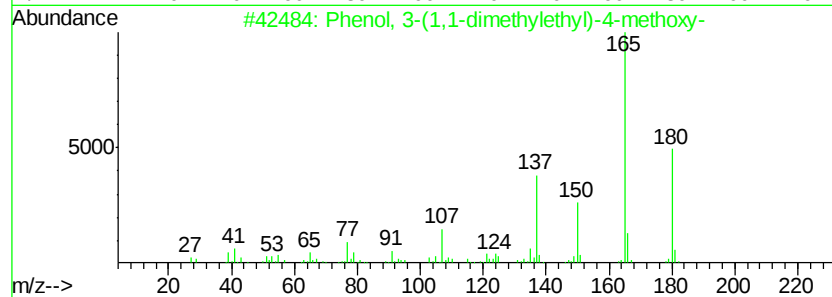
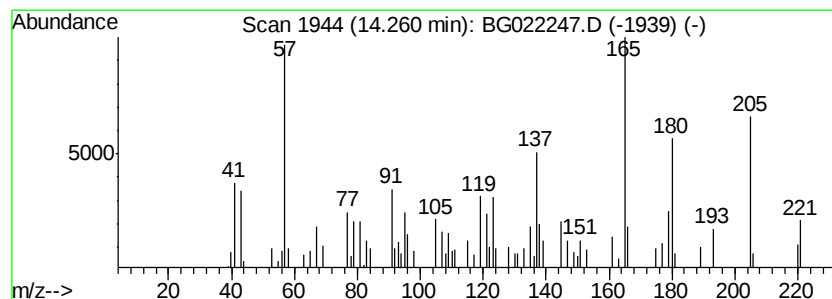
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Peak Number 3 unknown14.26 Concentration Rank 3

| R.T.      | EstConc                             | Area  | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|-------|------------------|-------------|-------|
| 14.26     | 2.69 ng                             | 58983 | Acenaphthene-d10 |             | 14.74 |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual  |
| 1         | Phenol, 3-(1,1-dimethylethyl)-4-... | 180   | C11H16O2         | 000088-32-4 | 46    |
| 2         | 3',5'-Dimethoxycetophenone          | 180   | C10H12O3         | 039151-19-4 | 43    |
| 3         | 3-tert-Butyl-4-hydroxyanisole       | 180   | C11H16O2         | 000121-00-6 | 43    |
| 4         | 5-tert-Butyl-2-methylbenzenethiol   | 180   | C11H16S          | 007340-90-1 | 38    |
| 5         | 2',4'-Dimethoxyacetophenone         | 180   | C10H12O3         | 000829-20-9 | 30    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.64      | 7.64  | 96.1    | ng    | 705069   | 1                     | 8.11  | 146669 | 20.0 |
| unknown14.26     | 14.26 | 2.7     | ng    | 58983    | 3                     | 14.74 | 438549 | 20.0 |