

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051416\  
 Data File : BF087054.D  
 Acq On : 15 May 2016 7:46  
 Operator : UM/SJ  
 Sample : H3052-08  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-25

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\_F\METHODS\8270-BF050916.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         | 1.735       | 11            | 13          | 69           | rVB      | 4090992        | 9007228       | 100.00%         | 22.742%       |
| 2         | 4.741       | 274           | 276         | 292          | rBV      | 212455         | 354267        | 3.93%           | 0.894%        |
| 3         | 5.198       | 314           | 316         | 332          | rBV      | 1410597        | 2131897       | 23.67%          | 5.383%        |
| 4         | 6.273       | 408           | 410         | 418          | rBV      | 859062         | 1390434       | 15.44%          | 3.511%        |
| 5         | 6.387       | 418           | 420         | 422          | rBV      | 3478103        | 3602175       | 39.99%          | 9.095%        |
| 6         | 6.604       | 437           | 439         | 445          | rVB      | 674660         | 876035        | 9.73%           | 2.212%        |
| 7         | 6.764       | 451           | 453         | 456          | rBV      | 3153582        | 2809133       | 31.19%          | 7.093%        |
| 8         | 7.187       | 487           | 490         | 492          | rBV      | 2894912        | 2947192       | 32.72%          | 7.441%        |
| 9         | 7.896       | 550           | 552         | 555          | rBV      | 1187044        | 1098937       | 12.20%          | 2.775%        |
| 10        | 8.982       | 644           | 647         | 649          | rBV      | 4104999        | 4625851       | 51.36%          | 11.680%       |
| 11        | 9.645       | 702           | 705         | 708          | rBV      | 1361998        | 1219087       | 13.53%          | 3.078%        |
| 12        | 10.433      | 772           | 774         | 777          | rBV      | 2584339        | 2796404       | 31.05%          | 7.061%        |
| 13        | 11.119      | 832           | 834         | 837          | rBV      | 1178536        | 1148316       | 12.75%          | 2.899%        |
| 14        | 12.708      | 970           | 973         | 976          | rBV      | 3776234        | 3802423       | 42.22%          | 9.601%        |
| 15        | 13.062      | 1001          | 1004        | 1006         | rVB      | 63054          | 99797         | 1.11%           | 0.252%        |
| 16        | 13.748      | 1062          | 1064        | 1072         | rVV      | 905900         | 882062        | 9.79%           | 2.227%        |
| 17        | 15.108      | 1180          | 1183        | 1195         | rBV      | 652694         | 814362        | 9.04%           | 2.056%        |

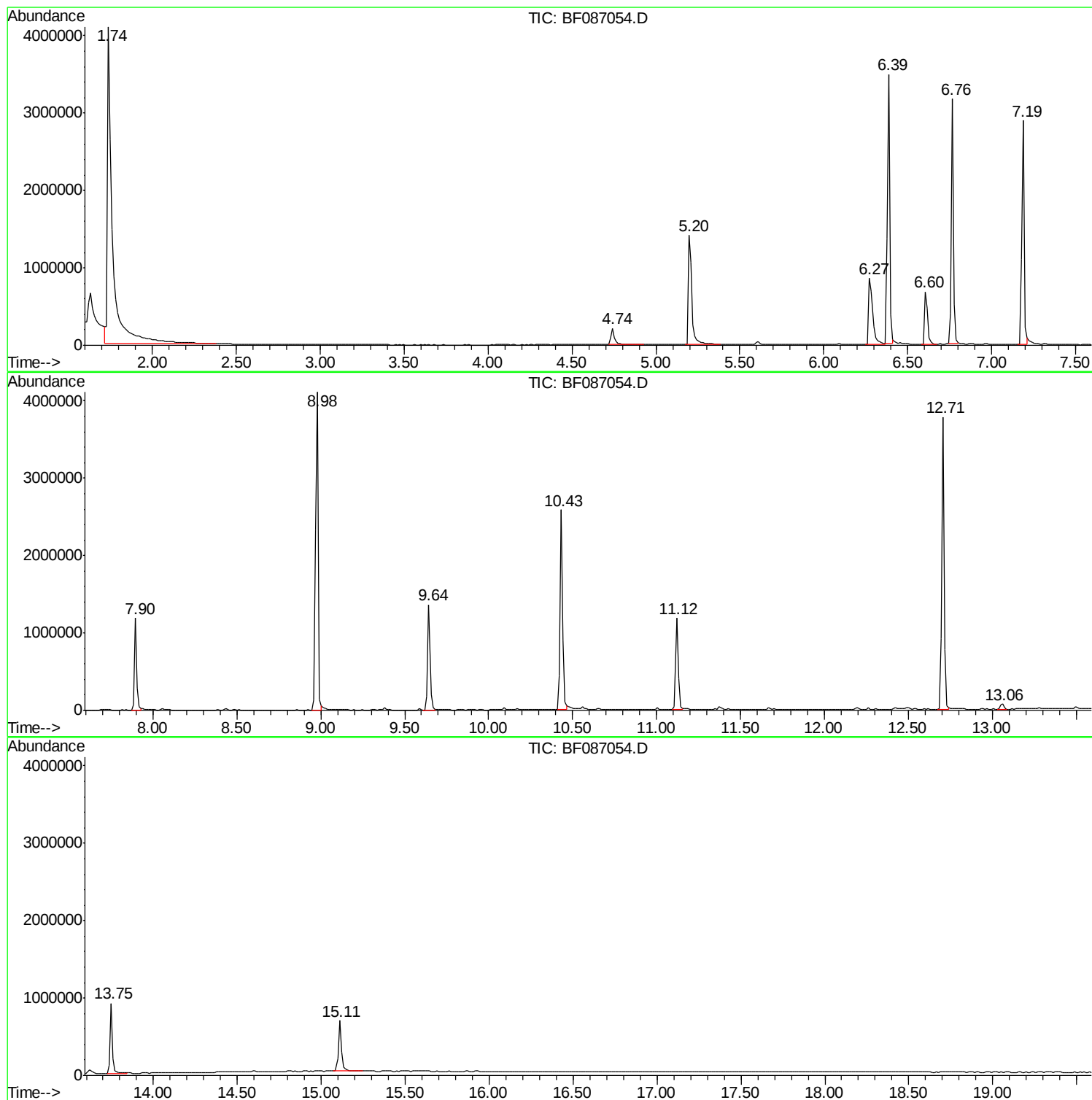
Sum of corrected areas: 39605600

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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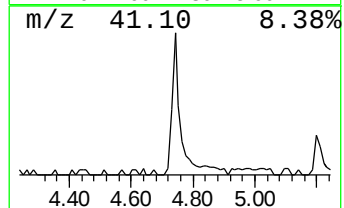
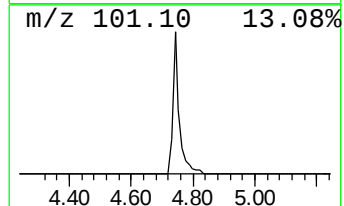
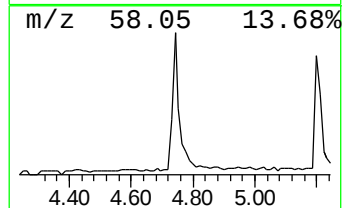
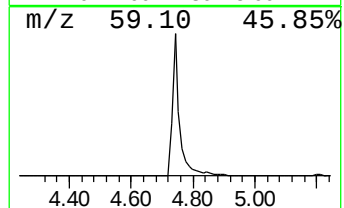
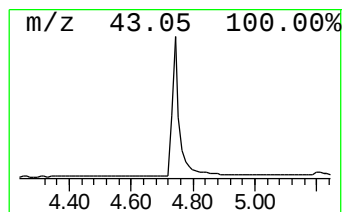
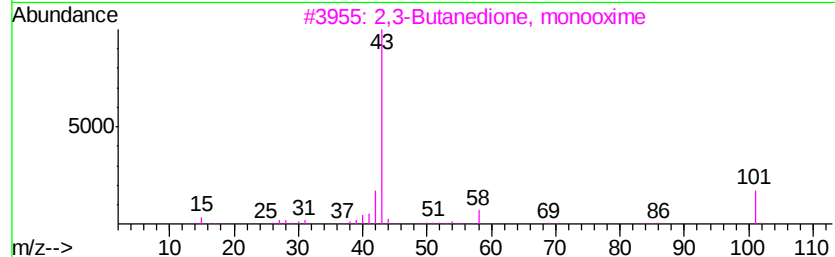
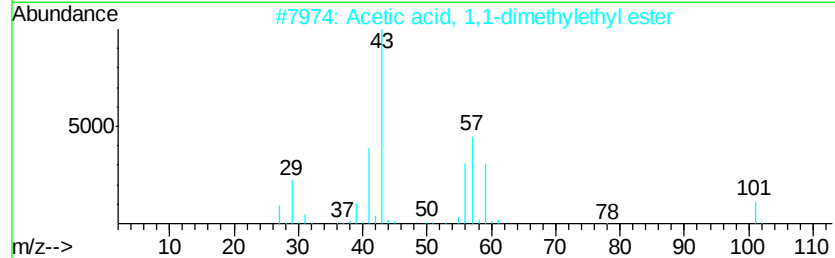
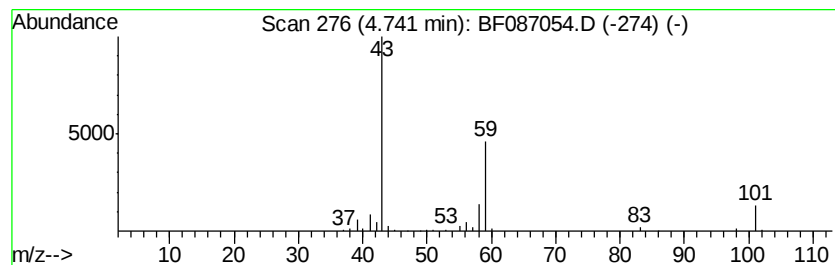
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.74 | 8.09 ng | 354267 | 1,4-Dichlorobenzene-d4 | 6.60 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 23   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 16   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 10   |
| 5    |    |   | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 9    |



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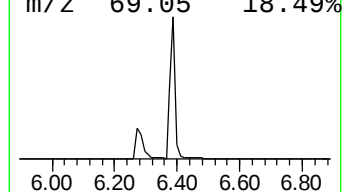
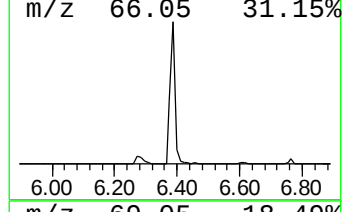
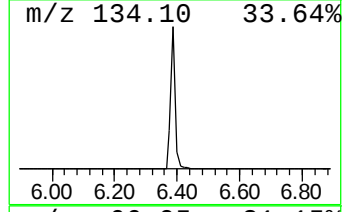
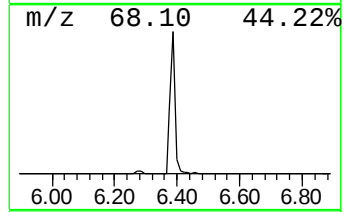
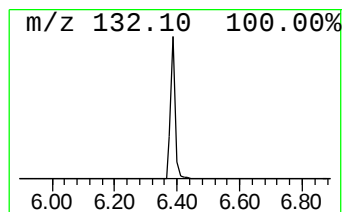
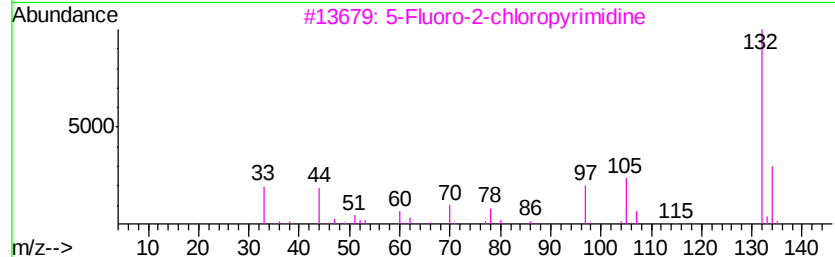
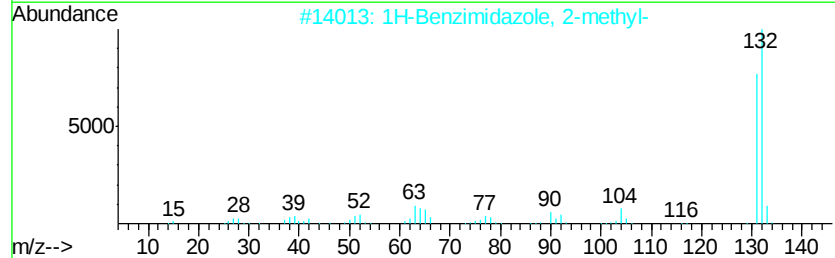
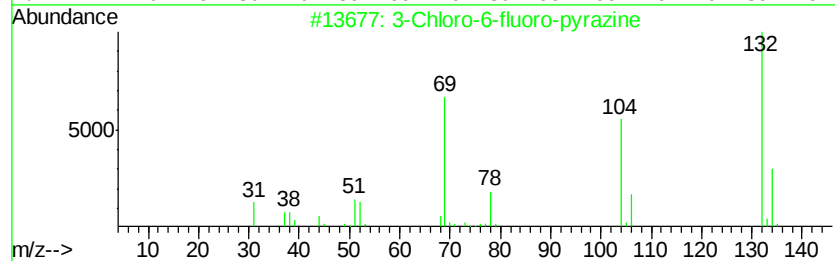
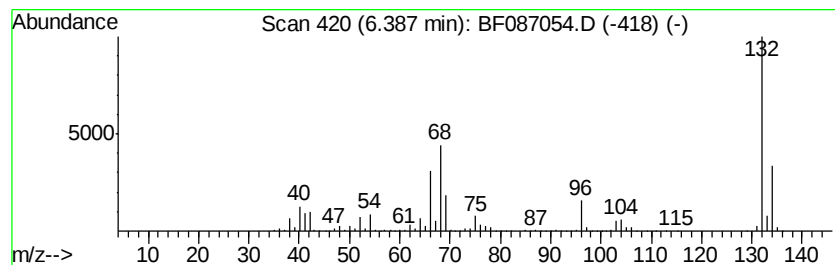
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Peak Number 3 unknown6.39 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.39 | 82.24 ng | 3602180 | 1,4-Dichlorobenzene-d4 | 6.60 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |



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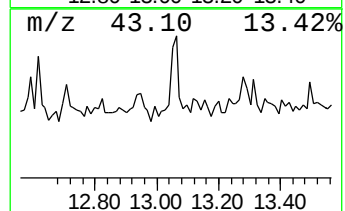
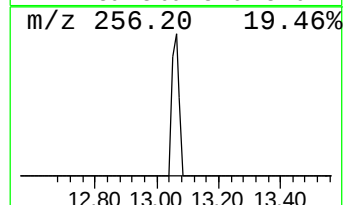
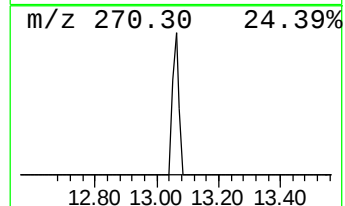
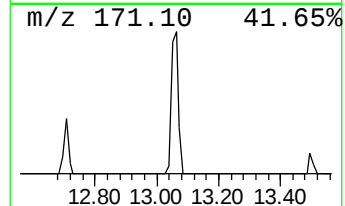
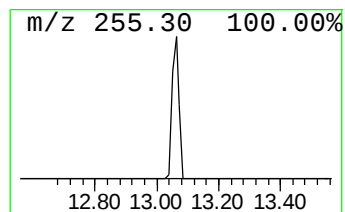
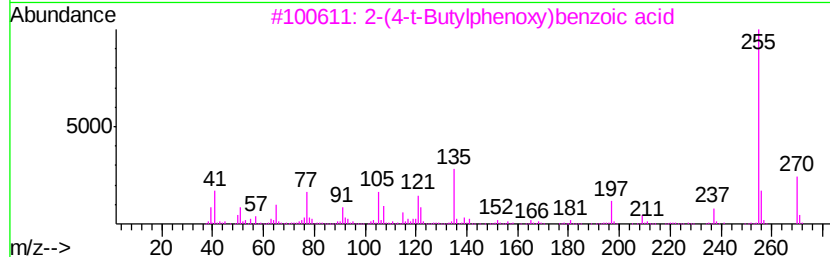
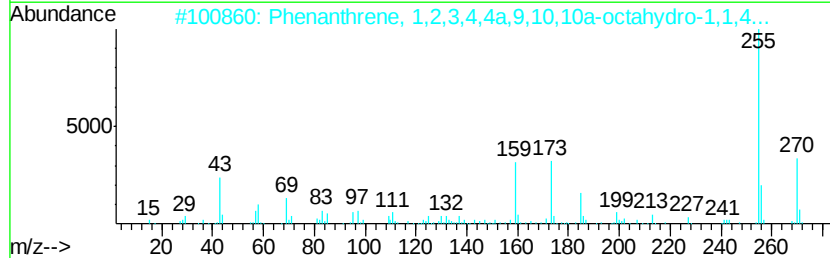
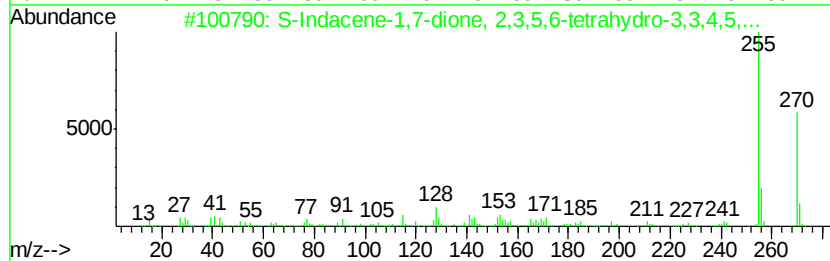
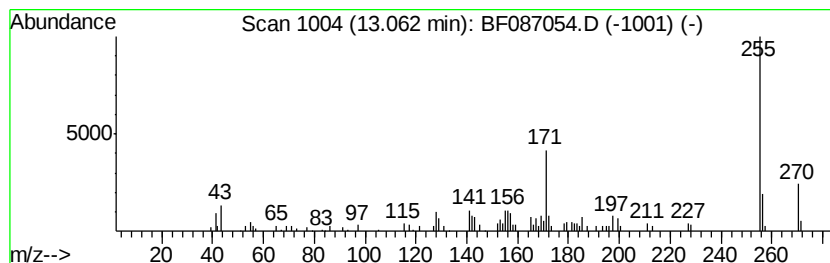
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Peak Number 5 unknown13.06 Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.06 | 2.26 ng | 99797 | Chrysene-d12     | 13.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | S-Indacene-1,7-dione, 2,3,5,6-te... | 270 | C18H22O2  | 055591-16-7 | 47   |
| 2    |    | Phenanthrene, 1,2,3,4,4a,9,10,10... | 270 | C20H30    | 019407-28-4 | 43   |
| 3    |    | 2-(4-t-Butylphenoxy)benzoic acid    | 270 | C17H18O3  | 069737-65-1 | 43   |
| 4    |    | 2-Sec-butyl-6-[1-hydroxy-1-cyclo... | 283 | C19H25NO  | 035871-05-7 | 38   |
| 5    |    | Benzene, 1-methoxy-4-[2-(4-nitro... | 255 | C15H13NO3 | 004648-33-3 | 38   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.74  | 8.1     | ng    | 354267   | 1                     | 6.60  | 876035 | 20.0 |
| unknown6.39          | 6.39  | 82.2    | ng    | 3602180  | 1                     | 6.60  | 876035 | 20.0 |
| unknown13.06         | 13.06 | 2.3     | ng    | 99797    | 5                     | 13.75 | 882062 | 20.0 |