

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF042315\  
 Data File : BF078748.D  
 Acq On : 23 Apr 2015 14:54  
 Operator : TP/IZ  
 Sample : G1938-15  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-78D

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-BF040115.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         | 1.404       | 17            | 19          | 24           | rBV      | 148632         | 322819        | 16.67%          | 4.015%        |
| 2         | 1.484       | 24            | 26          | 49           | rVB      | 1028788        | 1936599       | 100.00%         | 24.083%       |
| 3         | 3.256       | 179           | 181         | 188          | rVB      | 49701          | 73775         | 3.81%           | 0.917%        |
| 4         | 3.770       | 224           | 226         | 237          | rBV      | 396125         | 516044        | 26.65%          | 6.417%        |
| 5         | 5.256       | 353           | 356         | 365          | rBV      | 465523         | 546271        | 28.21%          | 6.793%        |
| 6         | 5.393       | 365           | 368         | 371          | rBV      | 394188         | 563573        | 29.10%          | 7.009%        |
| 7         | 5.747       | 397           | 399         | 403          | rBV      | 82106          | 124434        | 6.43%           | 1.547%        |
| 8         | 5.987       | 418           | 420         | 423          | rBV      | 335648         | 407845        | 21.06%          | 5.072%        |
| 9         | 6.696       | 479           | 482         | 488          | rBV      | 230346         | 321834        | 16.62%          | 4.002%        |
| 10        | 7.907       | 586           | 588         | 591          | rBV      | 134182         | 178309        | 9.21%           | 2.217%        |
| 11        | 9.919       | 761           | 764         | 767          | rBV      | 457874         | 639290        | 33.01%          | 7.950%        |
| 12        | 10.731      | 833           | 835         | 839          | rBB      | 21560          | 25063         | 1.29%           | 0.312%        |
| 13        | 11.096      | 864           | 867         | 870          | rBV      | 153673         | 207000        | 10.69%          | 2.574%        |
| 14        | 12.559      | 992           | 995         | 1001         | rBB      | 275306         | 401442        | 20.73%          | 4.992%        |
| 15        | 13.828      | 1103          | 1106        | 1108         | rBV      | 172714         | 224232        | 11.58%          | 2.789%        |
| 16        | 15.782      | 1274          | 1277        | 1280         | rVB2     | 47723          | 57149         | 2.95%           | 0.711%        |
| 17        | 16.377      | 1326          | 1329        | 1332         | rBV      | 674618         | 743713        | 38.40%          | 9.249%        |
| 18        | 16.537      | 1340          | 1343        | 1345         | rBB      | 56152          | 68018         | 3.51%           | 0.846%        |
| 19        | 17.714      | 1440          | 1446        | 1451         | rVB      | 225539         | 405743        | 20.95%          | 5.046%        |
| 20        | 19.451      | 1596          | 1598        | 1601         | rBV      | 229948         | 278103        | 14.36%          | 3.458%        |

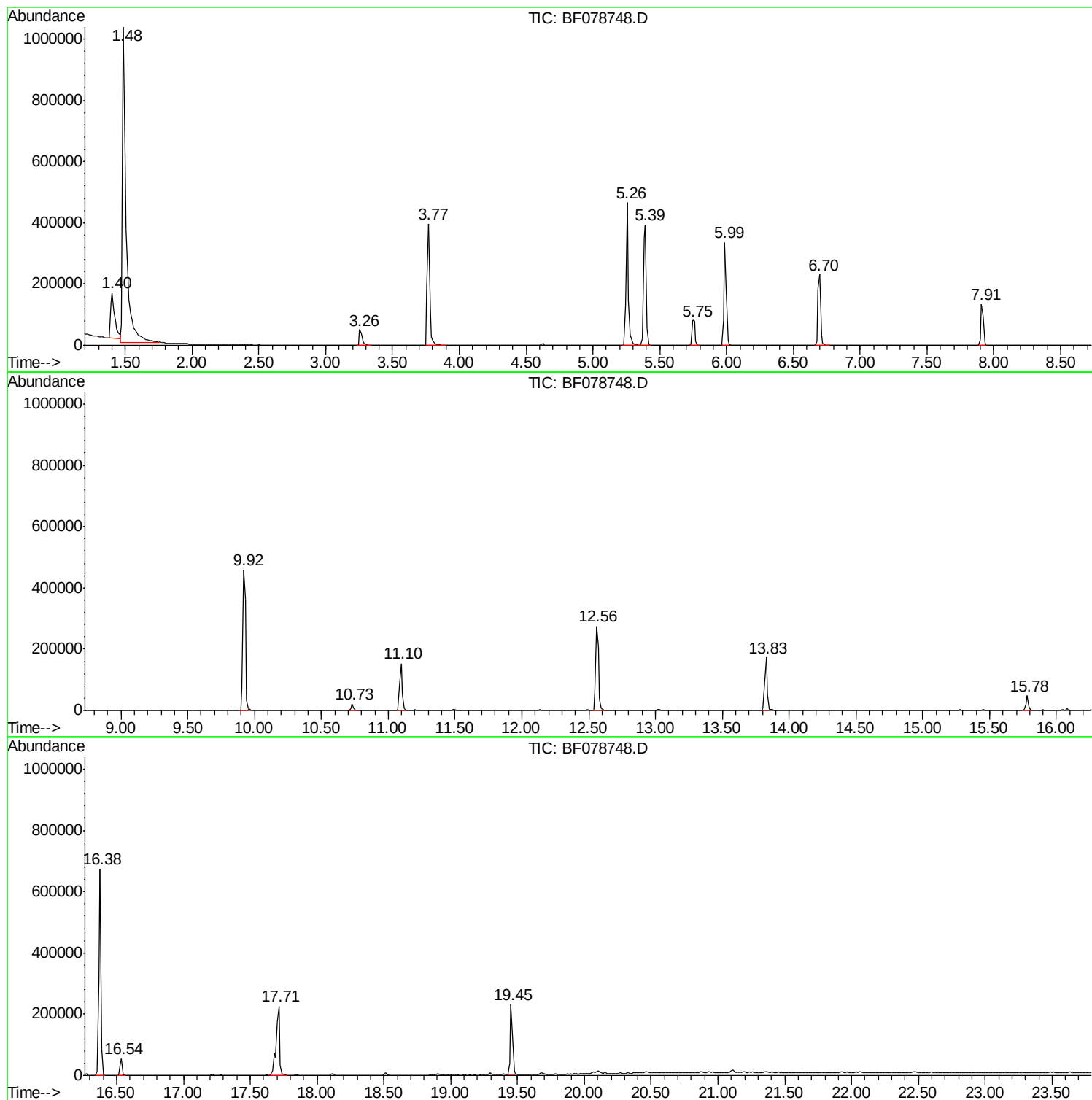
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ClientSampleId :  
SB-78D

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.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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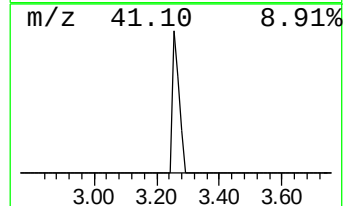
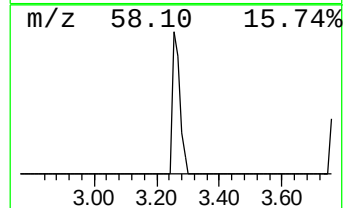
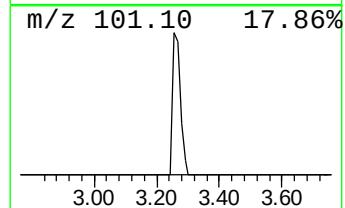
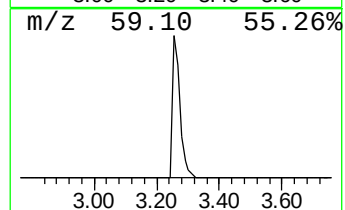
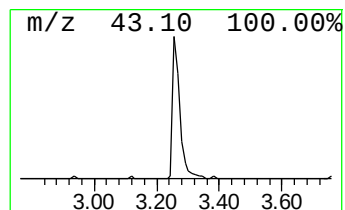
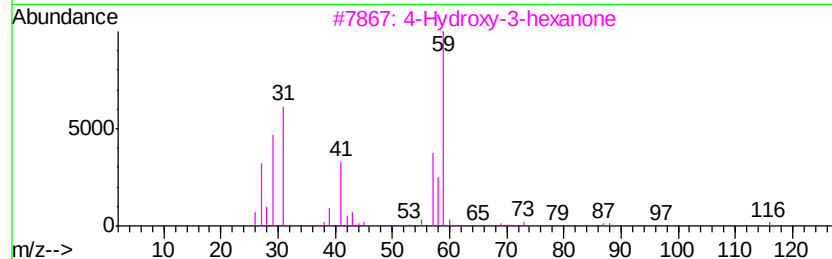
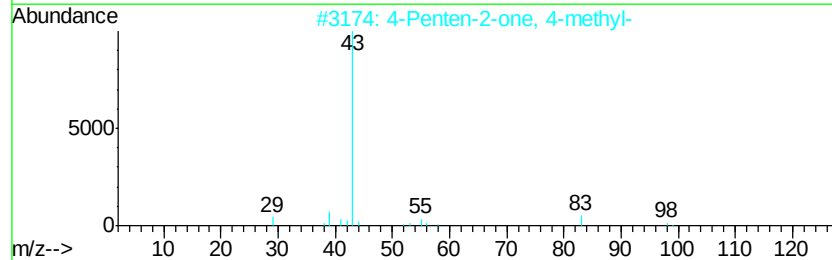
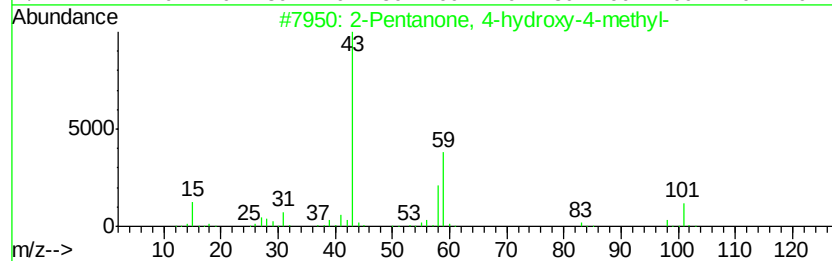
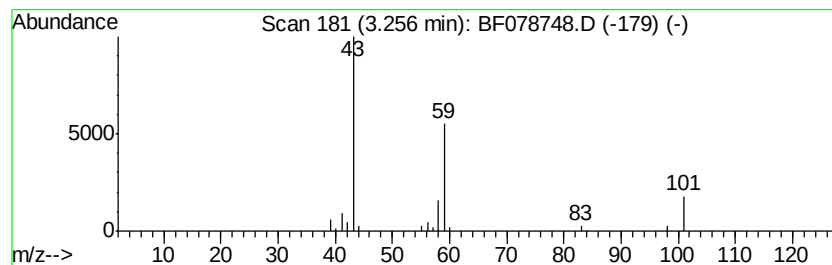
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area  | Relative to ISTD       | R.T. |
|------|----------|-------|------------------------|------|
| 3.26 | 11.86 ng | 73775 | 1,4-Dichlorobenzene-d4 | 5.76 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|-----------|----------------------------------|-----|---------|-------------|------|
| 1         | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59   |
| 2         | 4-Penten-2-one, 4-methyl-        | 98  | C6H10O  | 003744-02-3 | 9    |
| 3         | 4-Hydroxy-3-hexanone             | 116 | C6H12O2 | 004984-85-4 | 9    |
| 4         | 2-Pentanol, 2,4-dimethyl-        | 116 | C7H16O  | 000625-06-9 | 9    |
| 5         | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO | 005780-40-5 | 9    |



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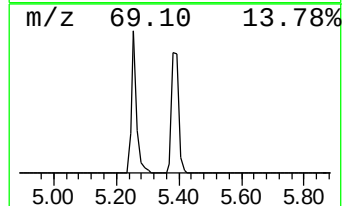
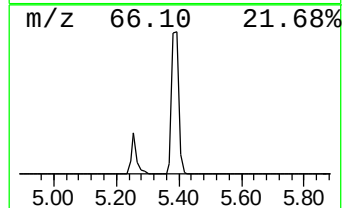
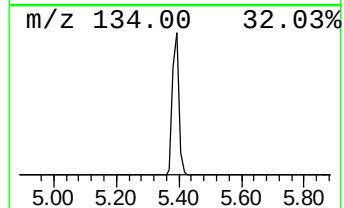
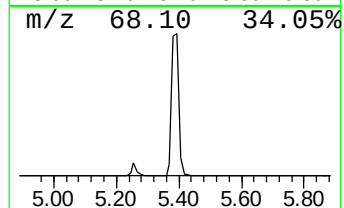
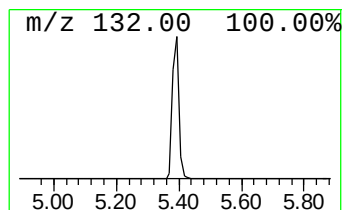
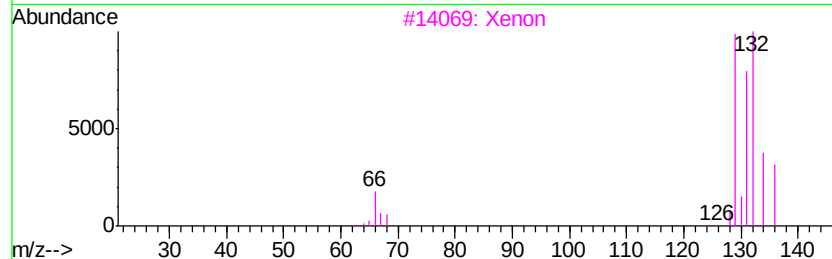
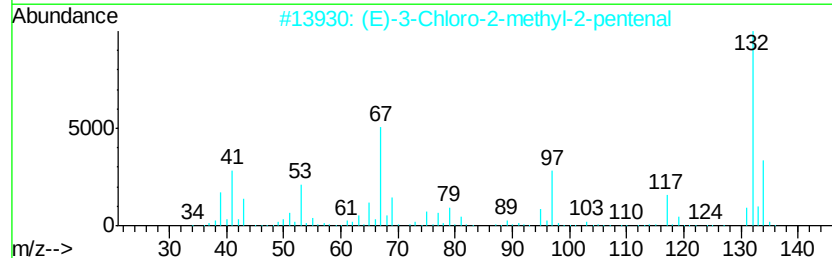
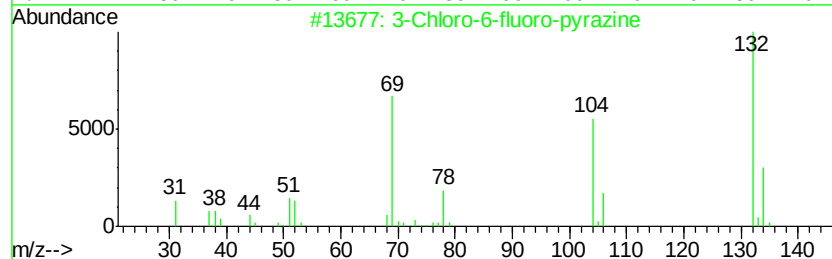
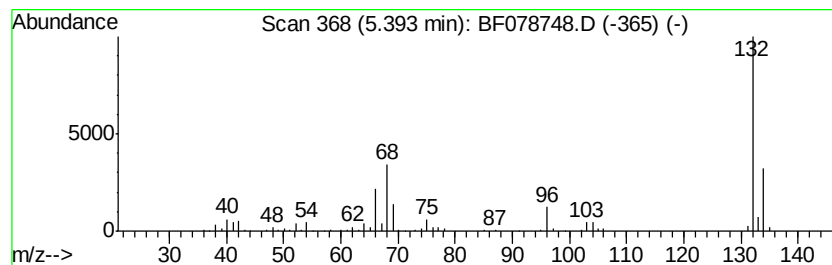
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 unknown5.39 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.39 | 90.58 ng | 563573 | 1,4-Dichlorobenzene-d4 | 5.76 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
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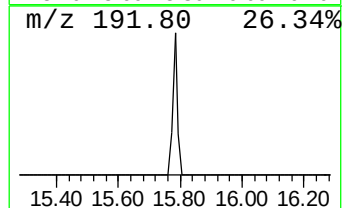
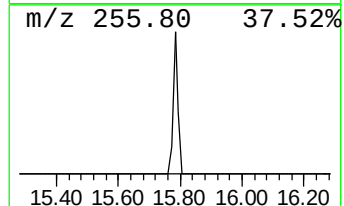
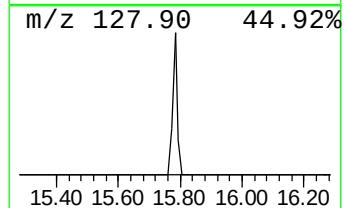
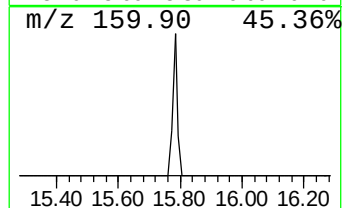
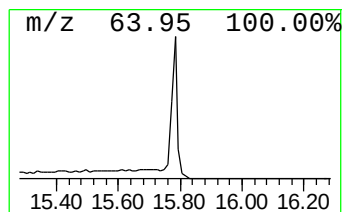
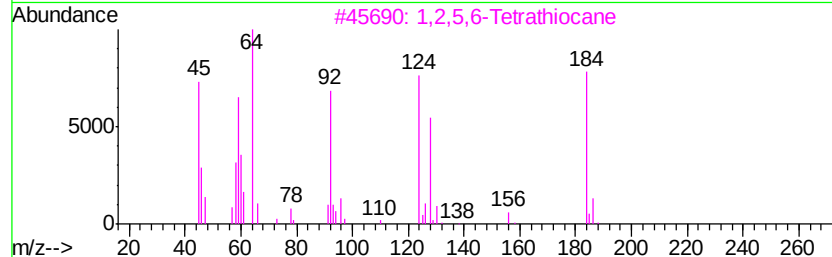
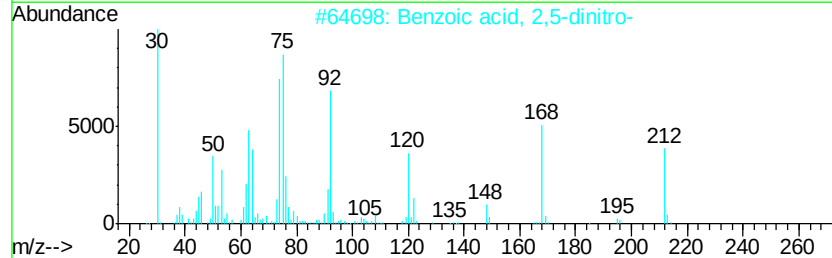
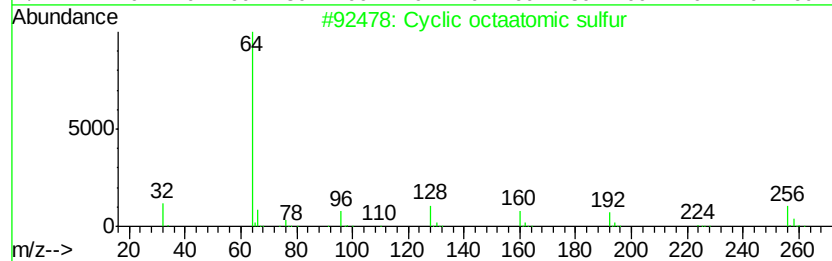
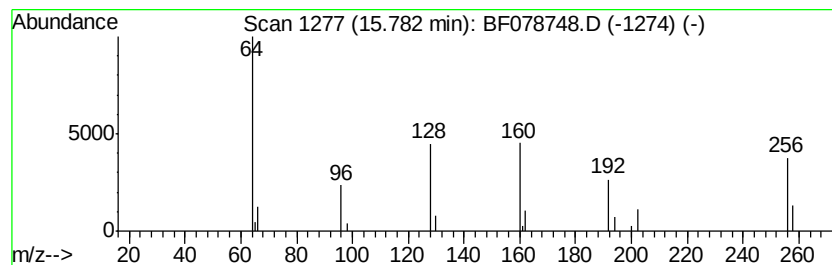
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclic octaatomic sulfur Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.78 | 2.82 ng | 57149 | Chrysene-d12     | 17.71 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|-----------|-------------------------------------|-----|------------|--------------|------|
| 1         | Cyclic octaatomic sulfur            | 256 | S8         | 010544-50-0  | 90   |
| 2         | Benzoic acid, 2,5-dinitro-          | 212 | C7H4N2O6   | 000610-28-6  | 40   |
| 3         | 1,2,5,6-Tetrathiocane               | 184 | C4H8S4     | 001940-01-8  | 38   |
| 4         | 7-Amino-7H-S-triazolo[5,1-c]-S-t... | 156 | C3H4N6S    | 013728-28-4  | 36   |
| 5         | Dihydropyrimidine-2-methyl thios... | 208 | C5H8N2O3S2 | 1000256-28-8 | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
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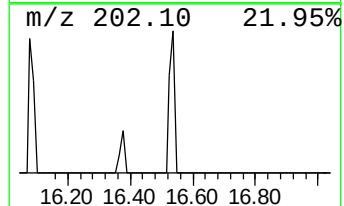
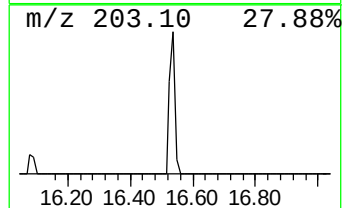
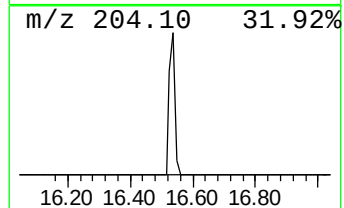
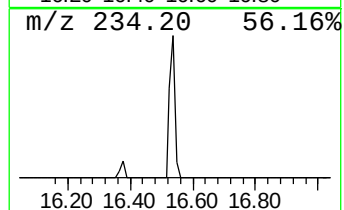
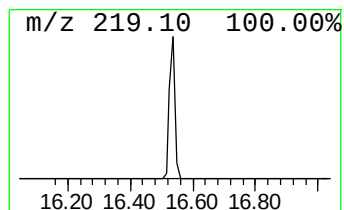
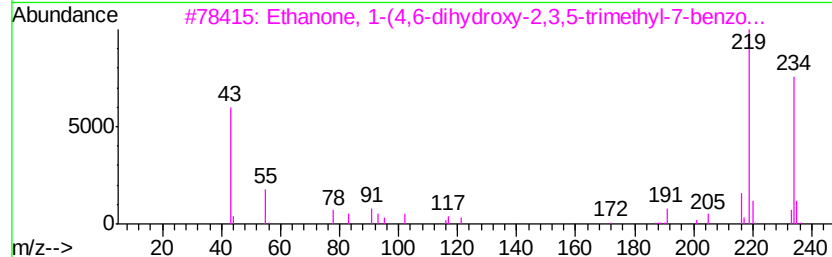
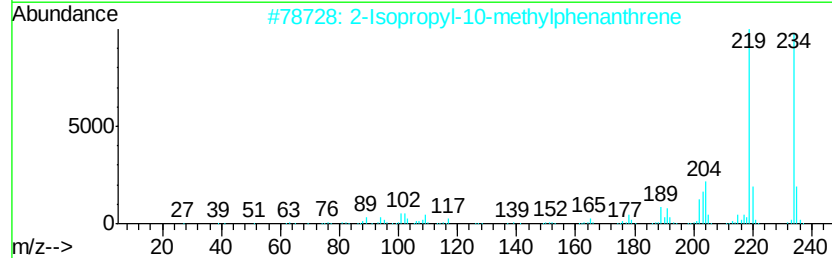
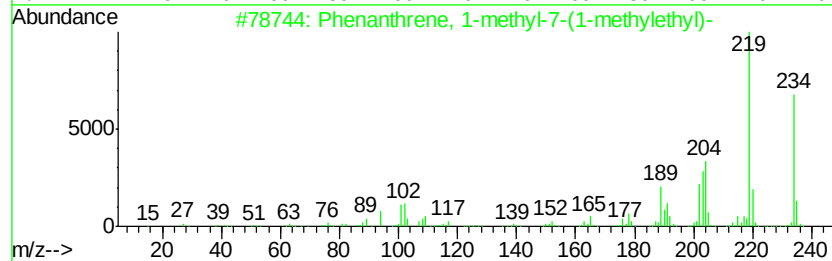
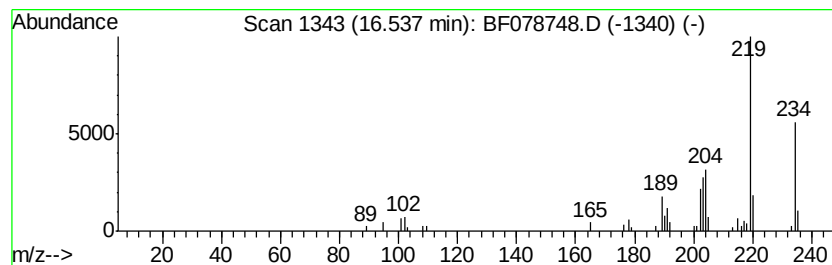
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Phenanthrene, 1-methyl-7-(1... Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.54 | 3.35 ng | 68018 | Chrysene-d12     | 17.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Phenanthrene, 1-methyl-7-(1-meth... | 234 | C18H18   | 000483-65-8  | 98   |
| 2    |    | 2-Isopropyl-10-methylphenanthrene   | 234 | C18H18   | 066552-97-4  | 95   |
| 3    |    | Ethanone, 1-(4,6-dihydroxy-2,3,5... | 234 | C13H14O4 | 021987-07-5  | 58   |
| 4    |    | Benzene, 1,3-bis(1,1-dimethyleth... | 234 | C16H26O  | 001518-53-2  | 52   |
| 5    |    | 2-tert-Butyl-4-hexylphenol          | 234 | C16H26O  | 1000224-36-4 | 50   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 3.26  | 11.9    | ng    | 73775    | 1                     | 5.76  | 124434 | 20.0 |
| unknown5.39          | 5.39  | 90.6    | ng    | 563573   | 1                     | 5.76  | 124434 | 20.0 |
| Cyclic octaatomic... | 15.78 | 2.8     | ng    | 57149    | 5                     | 17.71 | 405743 | 20.0 |
| Phenanthrene, 1-m... | 16.54 | 3.4     | ng    | 68018    | 5                     | 17.71 | 405743 | 20.0 |