

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF080316\  
 Data File : BF089576.D  
 Acq On : 4 Aug 2016 3:17  
 Operator : UM/SJ  
 Sample : H4328-01 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PLSA-001(SEDIMENT-W-SHEEN)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF080316.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         | 4.661       | 267           | 269         | 276          | rBV2     | 14986          | 35721         | 8.62%           | 1.224%        |
| 2         | 5.359       | 328           | 330         | 345          | rBV      | 25193          | 100369        | 24.22%          | 3.439%        |
| 3         | 7.005       | 472           | 474         | 482          | rBV      | 35099          | 117209        | 28.28%          | 4.016%        |
| 4         | 7.119       | 482           | 484         | 495          | rVB      | 89211          | 191210        | 46.14%          | 6.551%        |
| 5         | 7.462       | 512           | 514         | 525          | rBV      | 124632         | 218763        | 52.78%          | 7.495%        |
| 6         | 7.702       | 533           | 535         | 551          | rVB      | 63833          | 121589        | 29.34%          | 4.166%        |
| 7         | 8.376       | 592           | 594         | 610          | rBV      | 17679          | 73391         | 17.71%          | 2.515%        |
| 8         | 9.485       | 689           | 691         | 713          | rBV      | 194767         | 345740        | 83.42%          | 11.846%       |
| 9         | 11.268      | 845           | 847         | 864          | rBV      | 114739         | 152841        | 36.88%          | 5.237%        |
| 10        | 11.965      | 906           | 908         | 915          | rBV      | 23363          | 33279         | 8.03%           | 1.140%        |
| 11        | 12.319      | 936           | 939         | 951          | rBB      | 250754         | 414447        | 100.00%         | 14.200%       |
| 12        | 13.599      | 1049          | 1051        | 1060         | rBB      | 46697          | 77888         | 18.79%          | 2.669%        |
| 13        | 14.708      | 1146          | 1148        | 1170         | rBV      | 281451         | 404003        | 97.48%          | 13.842%       |
| 14        | 17.063      | 1352          | 1354        | 1361         | rBV      | 88386          | 111754        | 26.96%          | 3.829%        |
| 15        | 18.400      | 1469          | 1471        | 1481         | rBV      | 204147         | 283659        | 68.44%          | 9.719%        |
| 16        | 20.069      | 1615          | 1617        | 1625         | rBV      | 126251         | 222325        | 53.64%          | 7.617%        |
| 17        | 20.926      | 1689          | 1692        | 1698         | rVB5     | 5624           | 14438         | 3.48%           | 0.495%        |

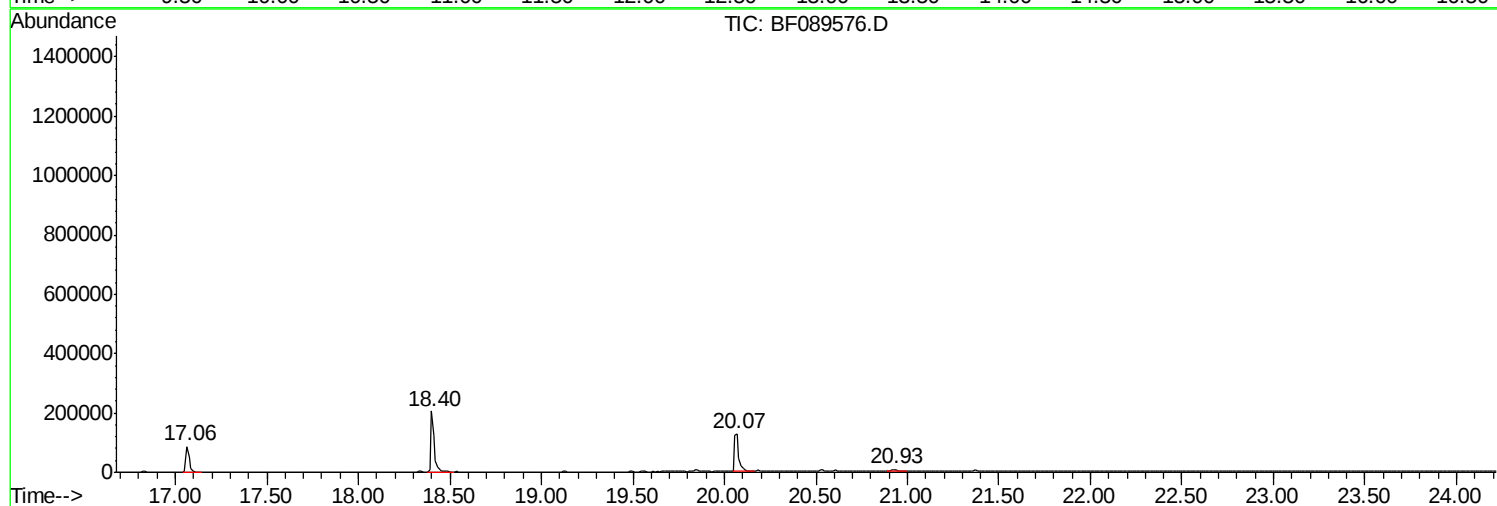
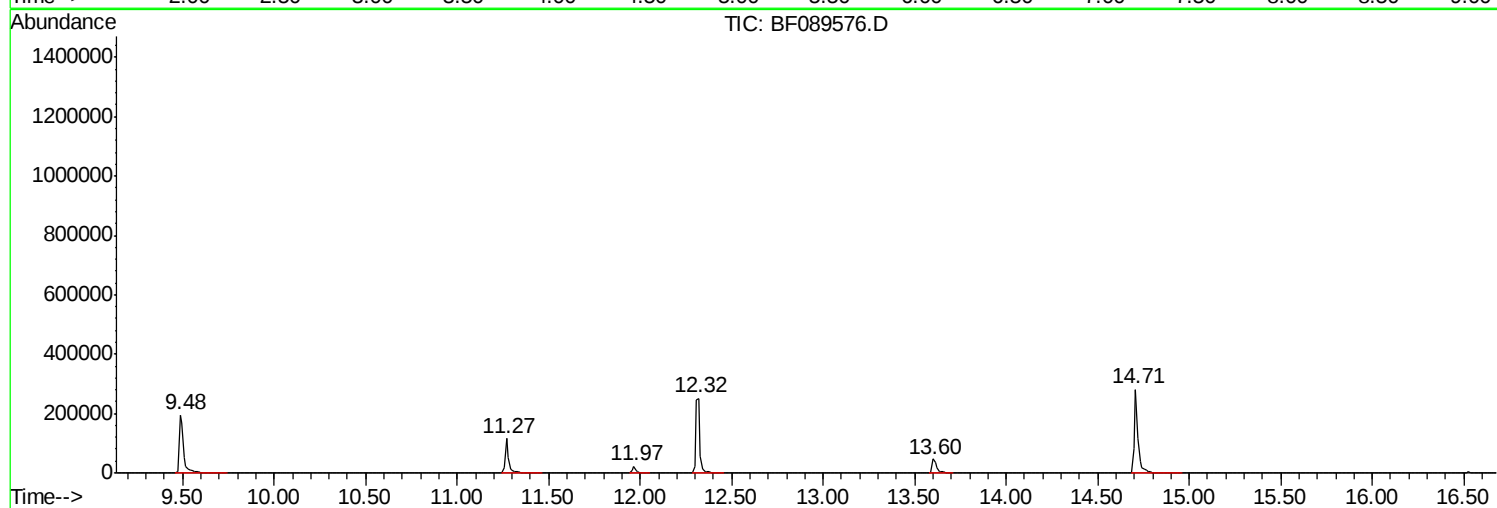
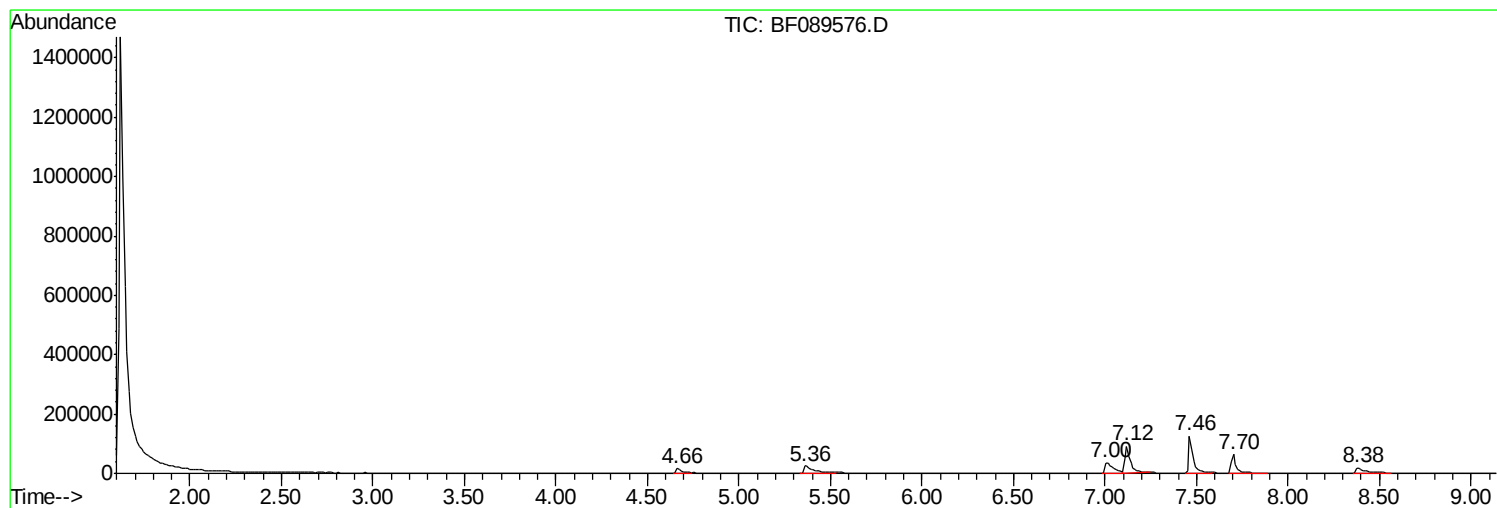
Sum of corrected areas: 2918626

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF080316.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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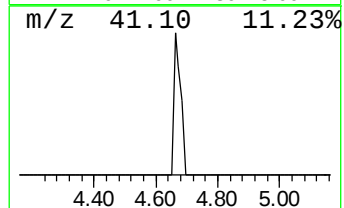
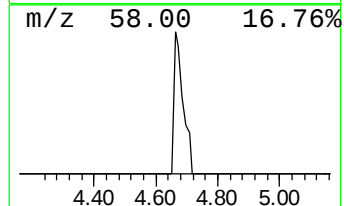
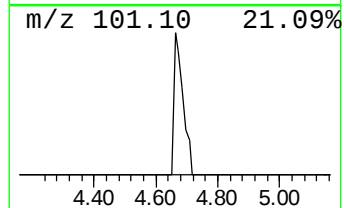
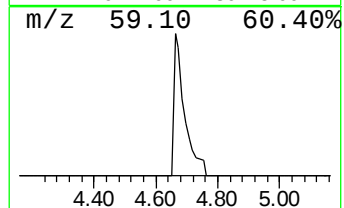
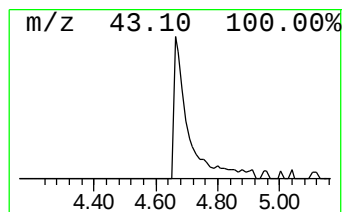
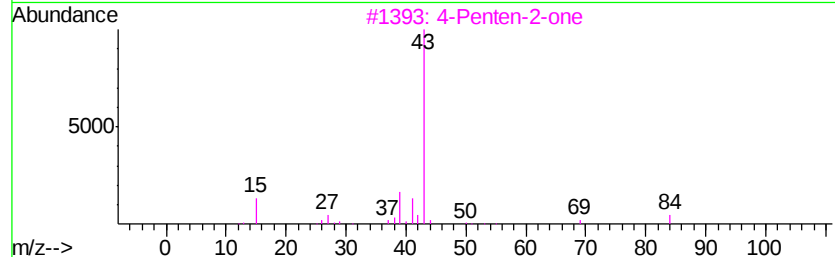
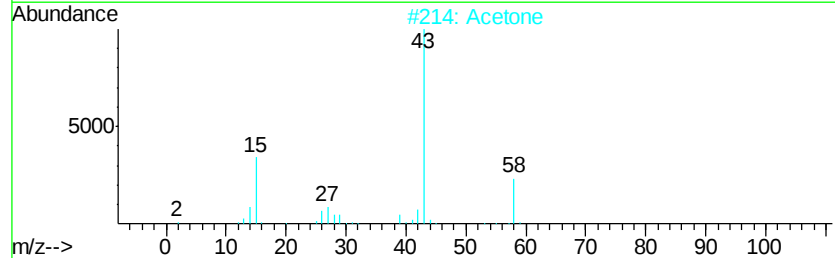
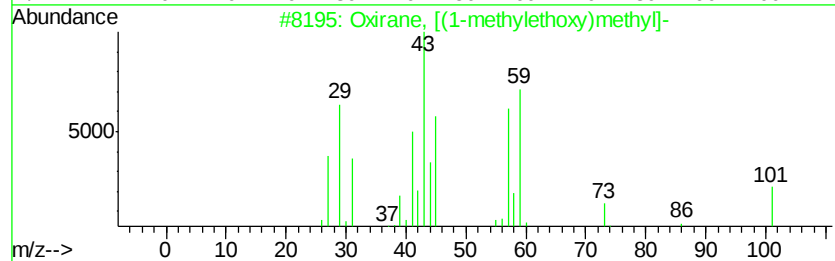
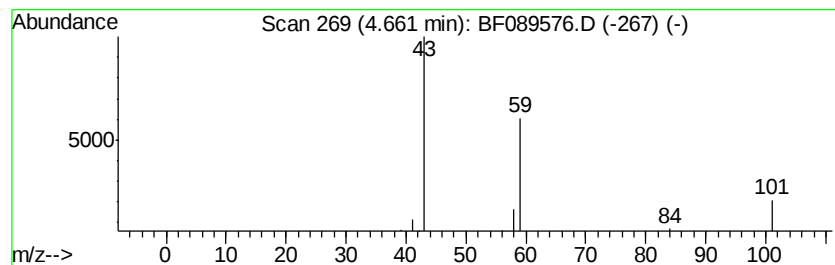
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Oxirane, [(1-methylethoxy)m... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.66 | 3.27 ng | 35721 | 1,4-Dichlorobenzene-d4 | 7.46 |

| Hit# of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|-----------|------------------------------------|-----|---------|-------------|------|
| 1         | Oxirane, [(1-methylethoxy)methyl]- | 116 | C6H12O2 | 004016-14-2 | 64   |
| 2         | Acetone                            | 58  | C3H6O   | 000067-64-1 | 7    |
| 3         | 4-Penten-2-one                     | 84  | C5H8O   | 013891-87-7 | 5    |
| 4         | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 5    |
| 5         | Morpholine, 4-methyl-              | 101 | C5H11NO | 000109-02-4 | 5    |



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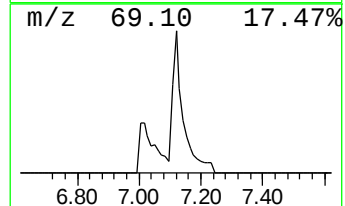
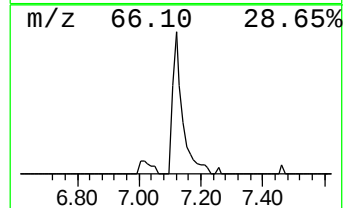
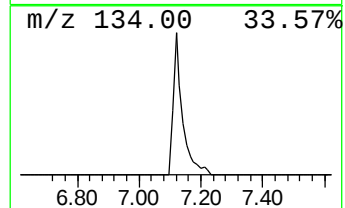
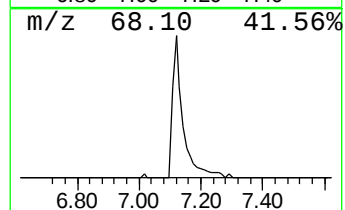
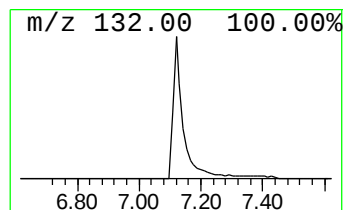
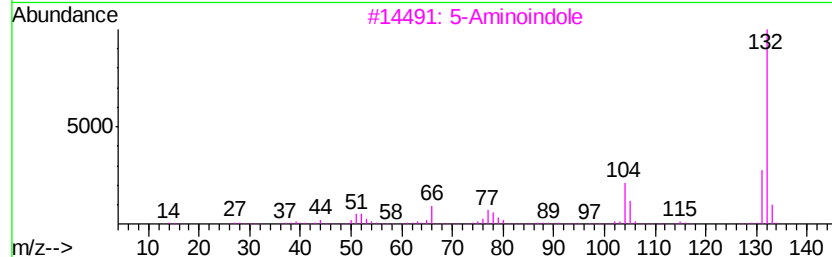
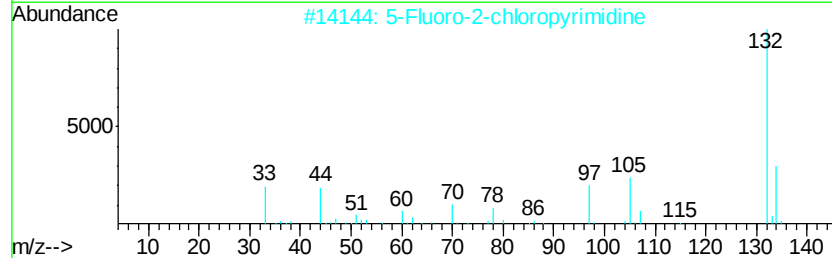
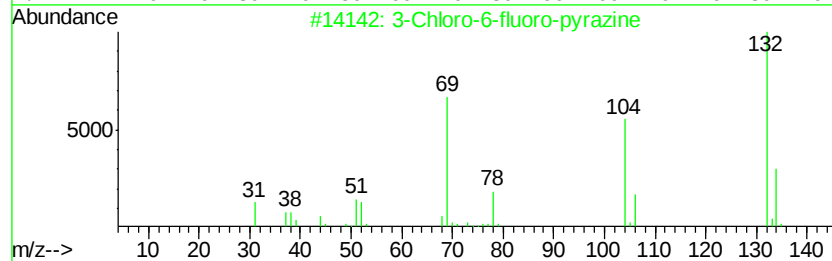
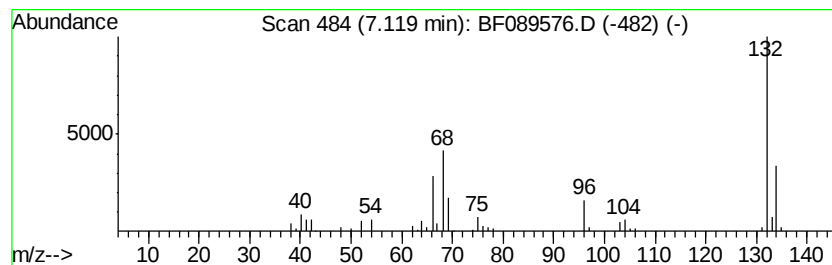
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Peak Number 2 unknown7.12 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.12 | 17.48 ng | 191210 | 1,4-Dichlorobenzene-d4 | 7.46 |

| Hit# | of | Tentative ID                   | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine     | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine    | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | 5-Aminoindole                  | 132 | C8H8N2    | 005192-03-0  | 10   |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-60-2  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Oxirane, [(1-meth... | 4.66 | 3.3     | ng    | 35721    | 1                     | 7.46 | 218763 | 20.0 |
| unknown7.12          | 7.12 | 17.5    | ng    | 191210   | 1                     | 7.46 | 218763 | 20.0 |