

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090119\  
 Data File : BF116752.D  
 Acq On : 1 Sep 2019 19:36  
 Operator : HP/JU  
 Sample : K4547-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T3-S-G

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF083019.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         | 5.457       | 569           | 573         | 586          | rVB      | 1631637        | 1433984       | 69.52%          | 8.396%        |
| 2         | 6.469       | 741           | 745         | 757          | rBV      | 1633966        | 1652053       | 80.10%          | 9.673%        |
| 3         | 6.616       | 766           | 770         | 773          | rBV      | 1750844        | 1593035       | 77.23%          | 9.328%        |
| 4         | 6.845       | 805           | 809         | 812          | rBV      | 553832         | 437049        | 21.19%          | 2.559%        |
| 5         | 7.004       | 832           | 836         | 839          | rBV      | 1445356        | 1224041       | 59.34%          | 7.167%        |
| 6         | 7.398       | 899           | 903         | 907          | rBV      | 1110202        | 990221        | 48.01%          | 5.798%        |
| 7         | 8.128       | 1023          | 1027        | 1030         | rBV      | 742536         | 583633        | 28.30%          | 3.417%        |
| 8         | 9.198       | 1206          | 1209        | 1213         | rBV      | 2390103        | 1922037       | 93.19%          | 11.254%       |
| 9         | 9.592       | 1273          | 1276        | 1280         | rBV      | 179580         | 160194        | 7.77%           | 0.938%        |
| 10        | 9.880       | 1321          | 1325        | 1328         | rVB      | 887154         | 739136        | 35.84%          | 4.328%        |
| 11        | 10.663      | 1454          | 1458        | 1462         | rBV      | 1348647        | 1211295       | 58.73%          | 7.092%        |
| 12        | 11.363      | 1573          | 1577        | 1579         | rBV      | 921545         | 788998        | 38.25%          | 4.620%        |
| 13        | 12.945      | 1843          | 1846        | 1854         | rVB      | 2131672        | 2062596       | 100.00%         | 12.077%       |
| 14        | 13.992      | 2019          | 2024        | 2027         | rBV3     | 670563         | 981611        | 47.59%          | 5.748%        |
| 15        | 15.021      | 2196          | 2199        | 2207         | rVB      | 198830         | 399280        | 19.36%          | 2.338%        |
| 16        | 15.321      | 2248          | 2250        | 2256         | rVB      | 131298         | 145428        | 7.05%           | 0.852%        |
| 17        | 15.380      | 2257          | 2260        | 2266         | rVB      | 130131         | 143727        | 6.97%           | 0.842%        |
| 18        | 15.445      | 2267          | 2271        | 2274         | rBV      | 520785         | 610583        | 29.60%          | 3.575%        |

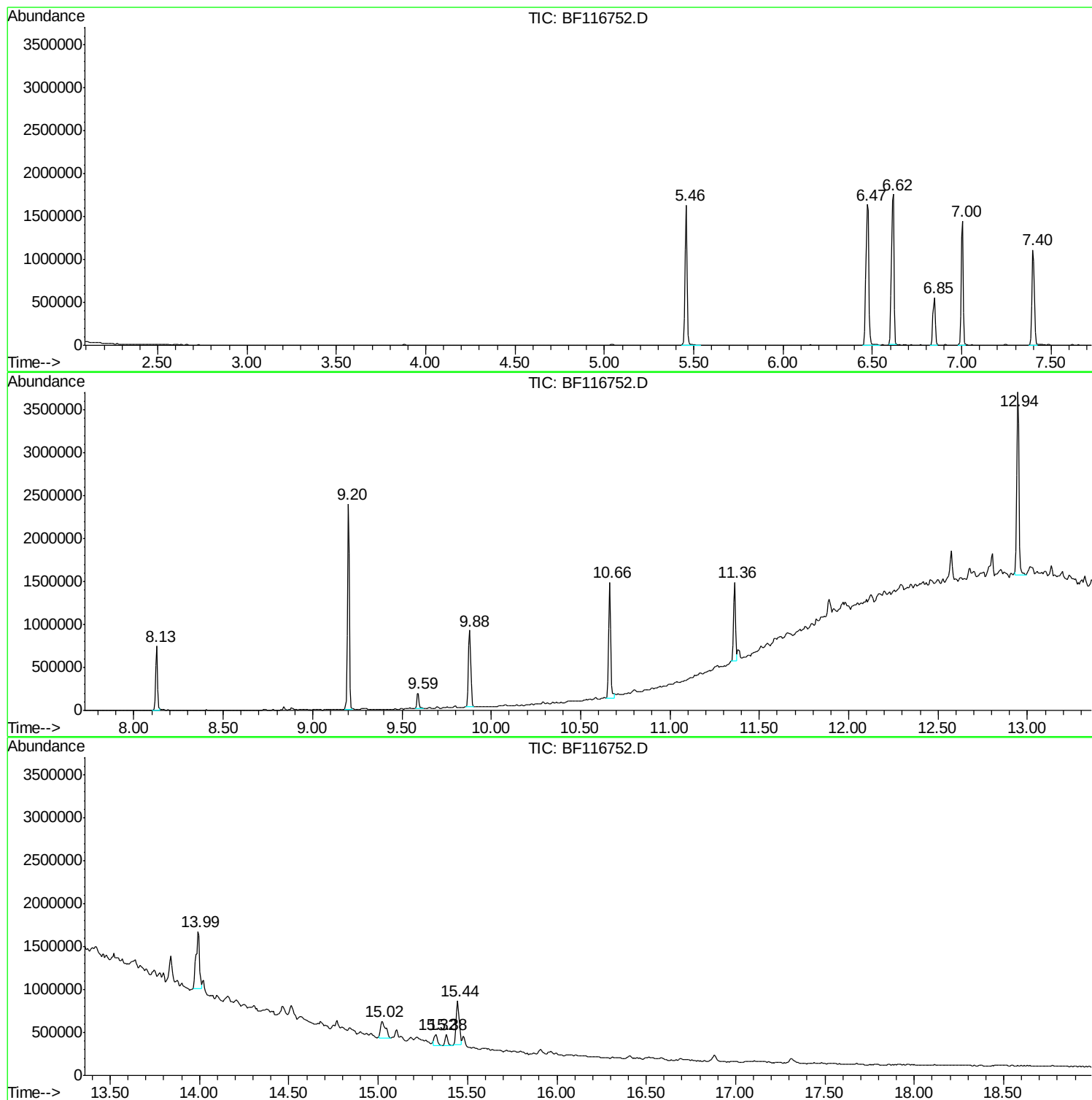
Sum of corrected areas: 17078901

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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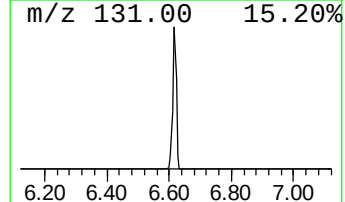
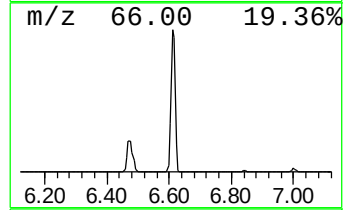
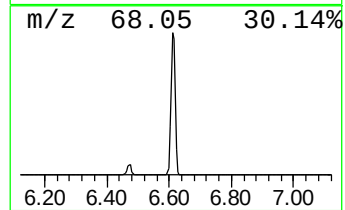
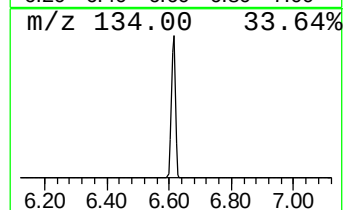
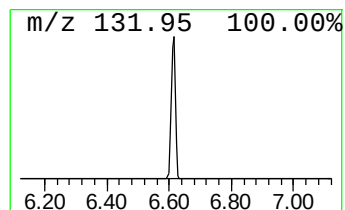
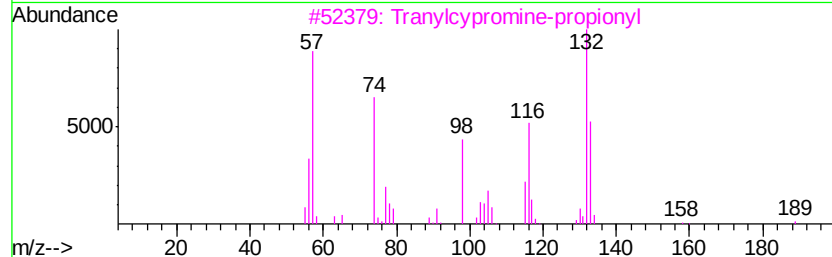
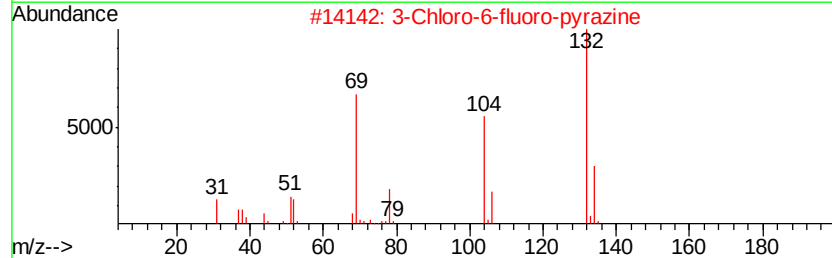
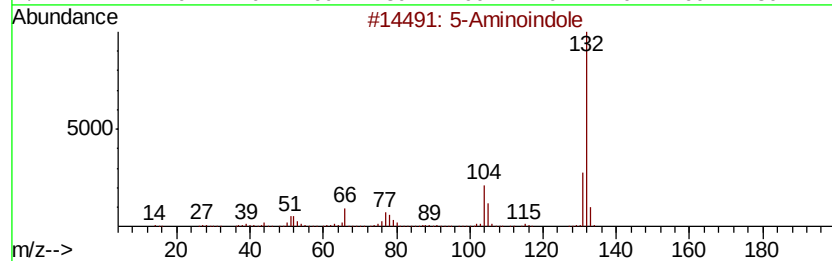
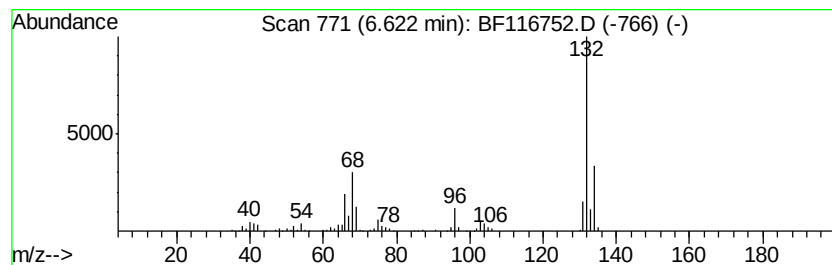
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.62 | 72.90 ng | 1593040 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 22   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | Tranvlcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile    | 132 | C8H8N2    | 1000241-93-9 | 9    |



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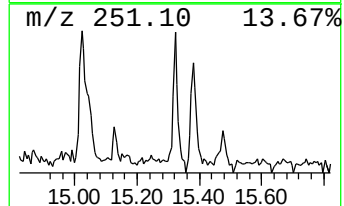
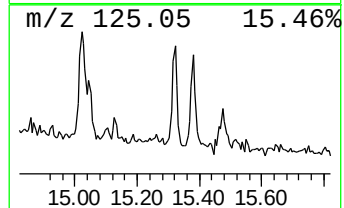
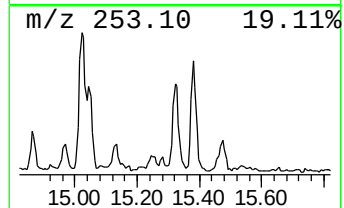
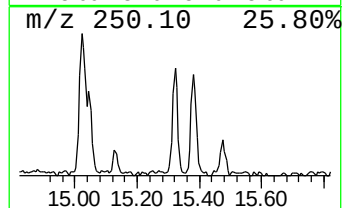
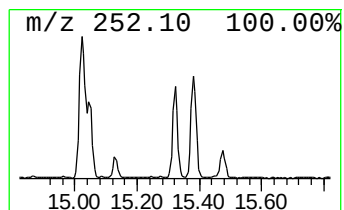
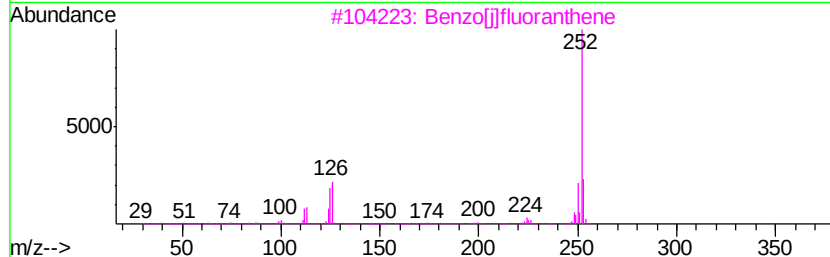
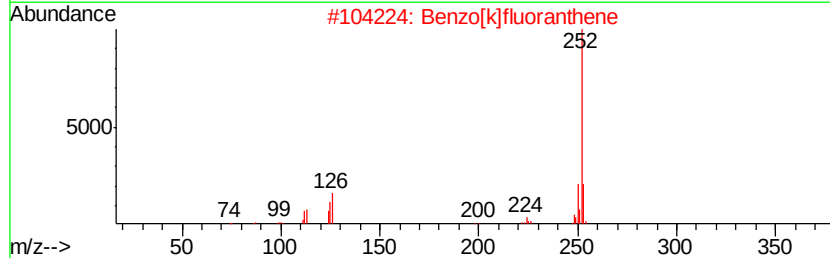
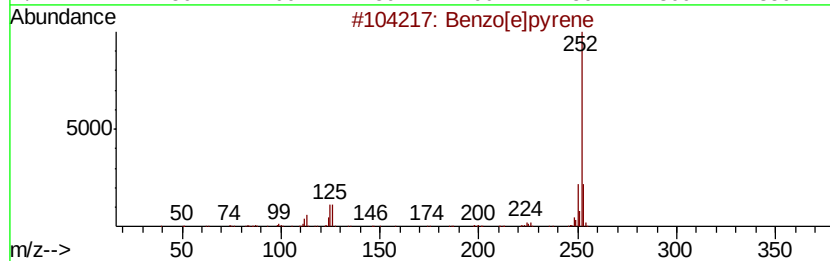
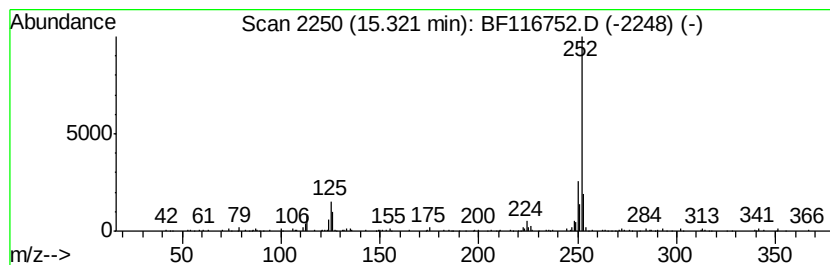
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Peak Number 3 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.32 | 4.76 ng | 145428 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 3    |    | Benzo[i]fluoranthene | 252 | C20H12  | 000205-82-3 | 94   |
| 4    |    | Perylene             | 252 | C20H12  | 000198-55-0 | 93   |
| 5    |    | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown6.62      | 6.62  | 72.9    | ng    | 1593040  | 1                     | 6.85  | 437049 | 20.0 |
| Benzo[e]pyrene   | 15.32 | 4.8     | ng    | 145428   | 6                     | 15.44 | 610583 | 20.0 |