

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\  
 Data File : BF120258.D  
 Acq On : 1 May 2020 15:11  
 Operator : MA/SJ  
 Sample : PB128596BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128596BL

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF040820.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         | 5.263       | 536           | 540         | 562          | rBV      | 4161665        | 4074348       | 71.93%          | 11.938%       |
| 2         | 6.304       | 713           | 717         | 720          | rBV      | 3600840        | 3901777       | 68.89%          | 11.433%       |
| 3         | 6.651       | 772           | 776         | 784          | rVB      | 826293         | 744703        | 13.15%          | 2.182%        |
| 4         | 6.804       | 798           | 802         | 806          | rBV      | 3383983        | 3284403       | 57.99%          | 9.624%        |
| 5         | 7.222       | 867           | 873         | 876          | rBV      | 2520755        | 2626445       | 46.37%          | 7.696%        |
| 6         | 7.934       | 990           | 994         | 1003         | rBV      | 1170492        | 964820        | 17.03%          | 2.827%        |
| 7         | 9.016       | 1172          | 1178        | 1181         | rBV      | 5071163        | 4793814       | 84.64%          | 14.046%       |
| 8         | 9.686       | 1288          | 1292        | 1296         | rBV      | 1288871        | 1069166       | 18.88%          | 3.133%        |
| 9         | 10.480      | 1422          | 1427        | 1430         | rBV      | 3174817        | 3109469       | 54.90%          | 9.111%        |
| 10        | 11.174      | 1541          | 1545        | 1548         | rBV      | 1377097        | 1224215       | 21.61%          | 3.587%        |
| 11        | 12.768      | 1811          | 1816        | 1819         | rBV      | 5170669        | 5663969       | 100.00%         | 16.596%       |
| 12        | 13.815      | 1990          | 1994        | 1997         | rBV      | 1292116        | 1208257       | 21.33%          | 3.540%        |
| 13        | 15.215      | 2227          | 2232        | 2237         | rBV      | 962348         | 1111786       | 19.63%          | 3.258%        |
| 14        | 16.051      | 2365          | 2374        | 2395         | rVB3     | 88305          | 351506        | 6.21%           | 1.030%        |

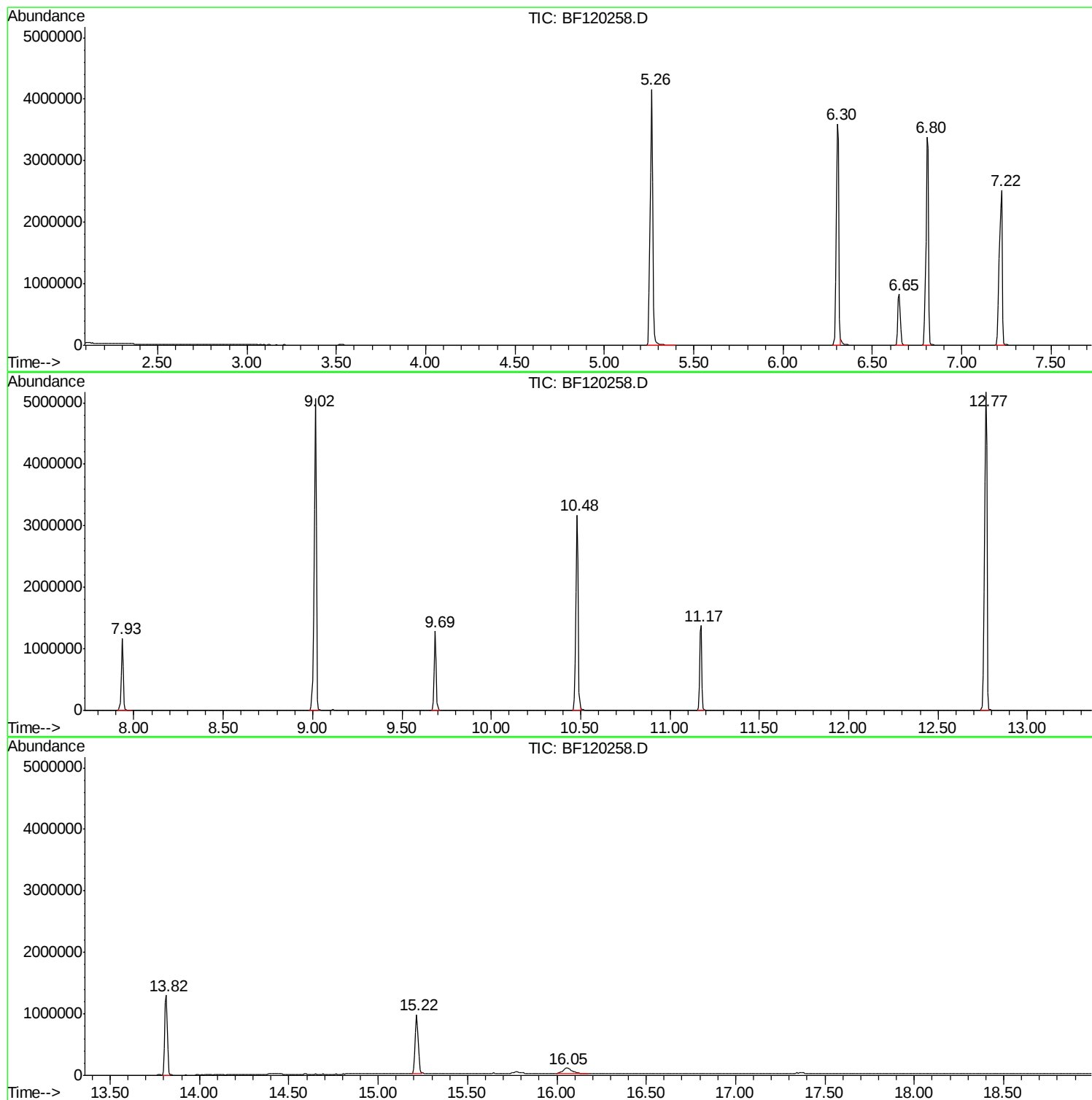
Sum of corrected areas: 34128678

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.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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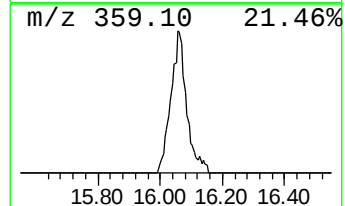
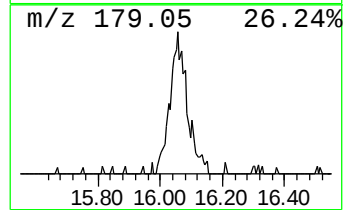
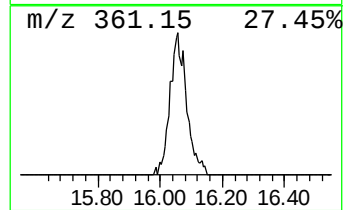
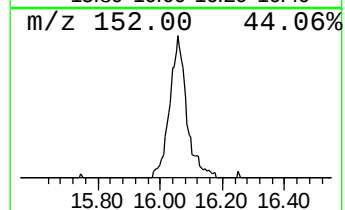
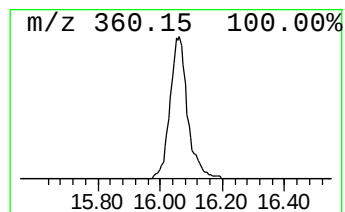
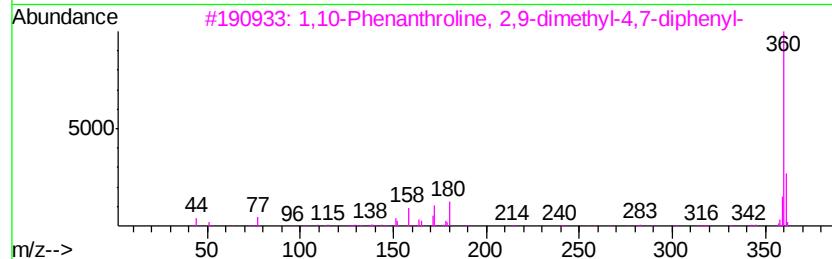
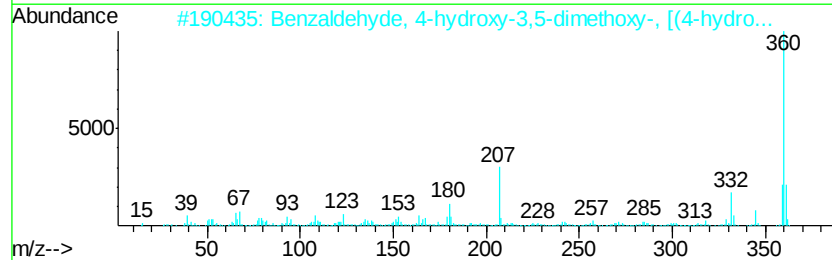
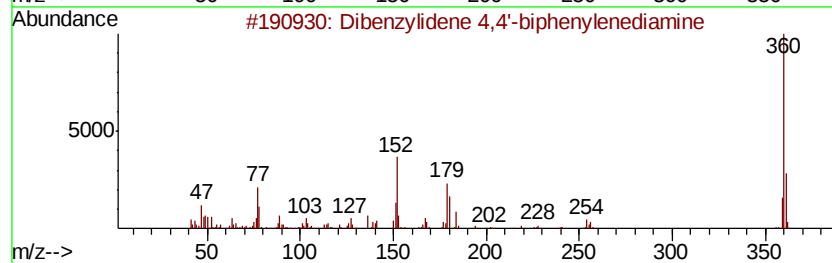
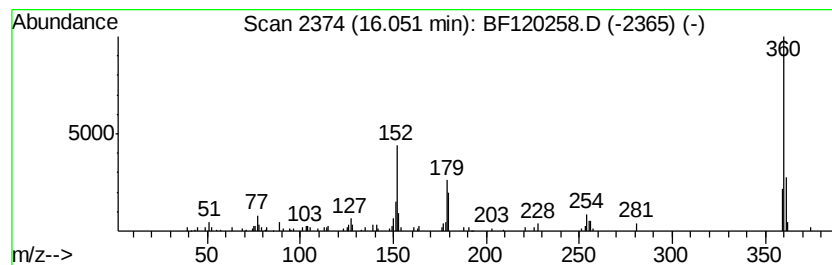
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Dibenzylidene 4,4'-biphenyl... Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.05 | 6.32 ng | 351506 | Perylene-d12     | 15.22 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2   | 006311-48-4  | 96   |
| 2    |    | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5  | 47   |
| 3    |    | 1,10-Phenanthroline, 2,9-dimethv... | 360 | C26H20N2   | 004733-39-5  | 47   |
| 4    |    | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13B06  | 1000150-23-7 | 43   |
| 5    |    | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2   | 000093-46-9  | 38   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Dibenzylidene 4,4... | 16.05 | 6.3     | ng    | 351506   | 6                     | 15.22 | 1111790 | 20.0 |