

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
 Data File : BF085665.D  
 Acq On : 22 Mar 2016 18:18  
 Operator : UM/SJ  
 Sample : PB89079BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB89079BL

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-BF031816.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         | 5.030       | 237           | 240         | 247          | rVB      | 227619         | 390422        | 10.09%          | 1.322%        |
| 2         | 5.442       | 273           | 276         | 278          | rBV      | 2546693        | 3013821       | 77.88%          | 10.204%       |
| 3         | 6.470       | 363           | 366         | 368          | rBV      | 2593584        | 2949575       | 76.22%          | 9.987%        |
| 4         | 6.596       | 375           | 377         | 380          | rBV      | 2390670        | 2867208       | 74.09%          | 9.708%        |
| 5         | 6.836       | 396           | 398         | 400          | rBV      | 573635         | 712509        | 18.41%          | 2.412%        |
| 6         | 6.985       | 409           | 411         | 414          | rBV      | 2236365        | 2294528       | 59.29%          | 7.769%        |
| 7         | 7.396       | 444           | 447         | 449          | rBV      | 1873119        | 1896445       | 49.00%          | 6.421%        |
| 8         | 8.116       | 507           | 510         | 512          | rBV      | 1125007        | 1017321       | 26.29%          | 3.445%        |
| 9         | 9.190       | 601           | 604         | 607          | rBV      | 2674554        | 3650003       | 94.31%          | 12.358%       |
| 10        | 9.865       | 661           | 663         | 666          | rBV      | 910850         | 1100482       | 28.44%          | 3.726%        |
| 11        | 10.665      | 729           | 733         | 735          | rBV2     | 1741689        | 2426170       | 62.69%          | 8.215%        |
| 12        | 11.351      | 791           | 793         | 796          | rBV      | 1449755        | 1239915       | 32.04%          | 4.198%        |
| 13        | 12.939      | 929           | 932         | 934          | rBV      | 3873190        | 3870043       | 100.00%         | 13.103%       |
| 14        | 13.980      | 1021          | 1023        | 1026         | rBV      | 894824         | 1151269       | 29.75%          | 3.898%        |
| 15        | 15.408      | 1145          | 1148        | 1150         | rBV      | 626065         | 837640        | 21.64%          | 2.836%        |
| 16        | 15.934      | 1188          | 1194        | 1203         | rBV      | 28696          | 117107        | 3.03%           | 0.397%        |

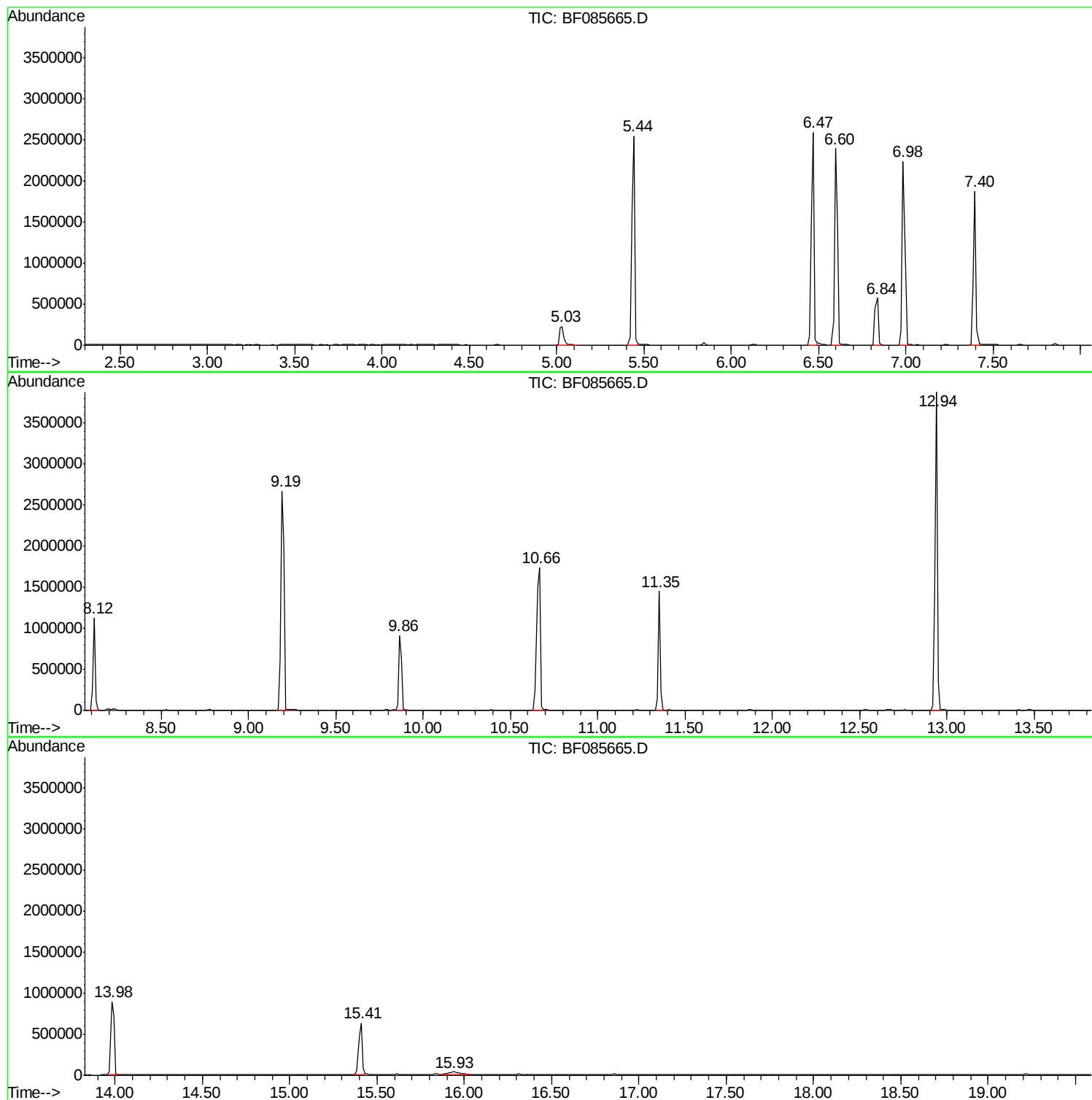
Sum of corrected areas: 29534458

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085665.D  
Acq On : 22 Mar 2016 18:18  
Operator : UM/SJ  
Sample : PB89079BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB89079BL

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085665.D  
Acq On : 22 Mar 2016 18:18  
Operator : UM/SJ  
Sample : PB89079BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB89079BL

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

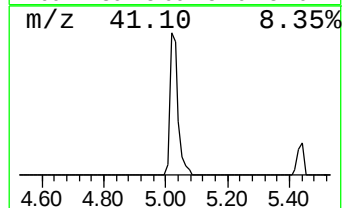
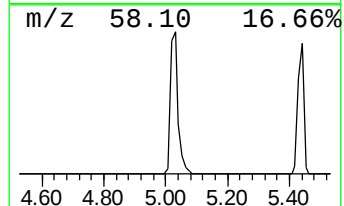
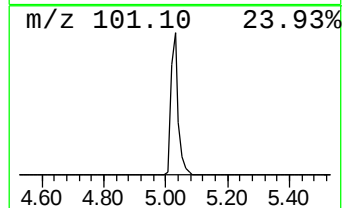
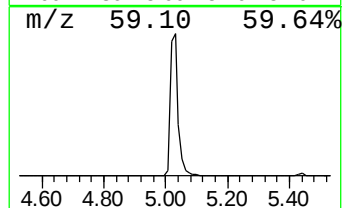
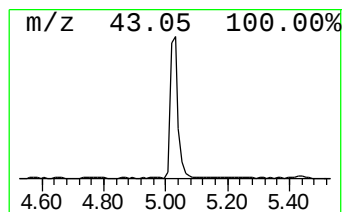
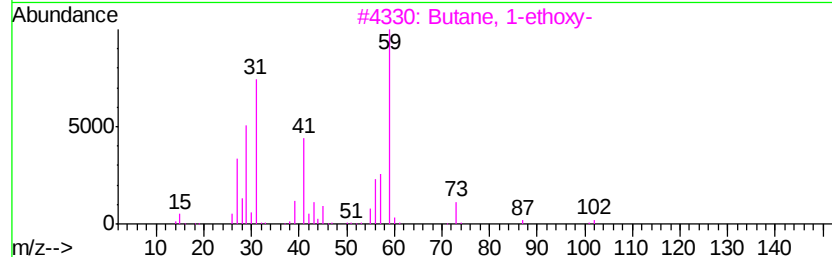
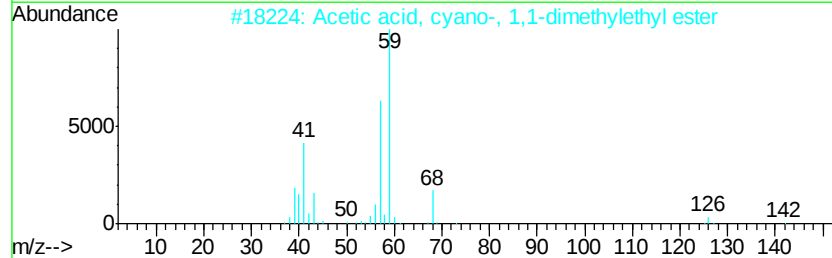
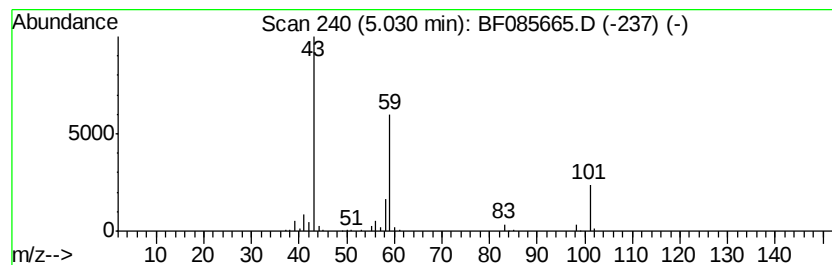
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.03 | 10.96 ng | 390422 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |
| 4    |    | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085665.D  
Acq On : 22 Mar 2016 18:18  
Operator : UM/SJ  
Sample : PB89079BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB89079BL

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

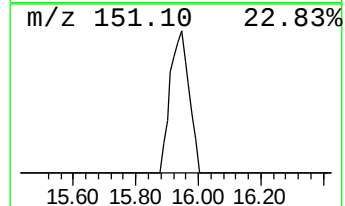
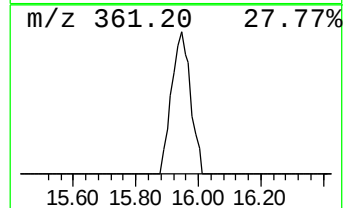
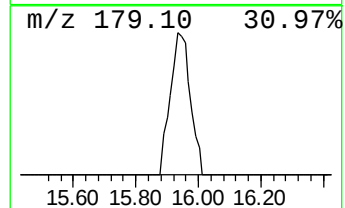
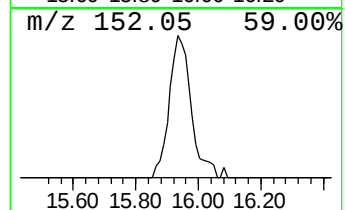
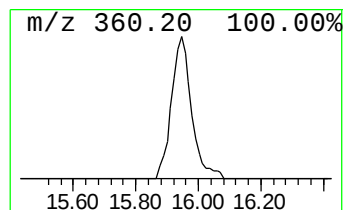
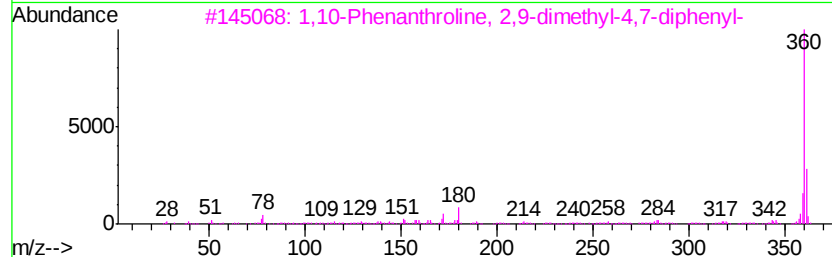
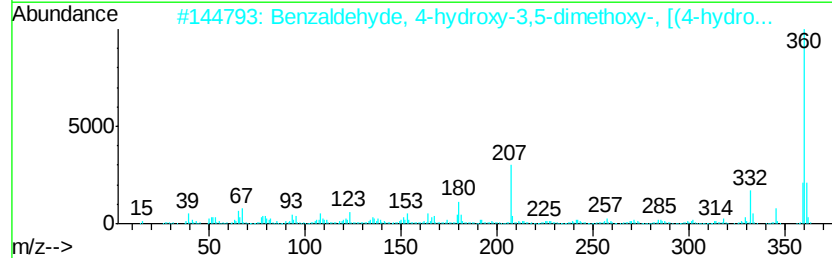
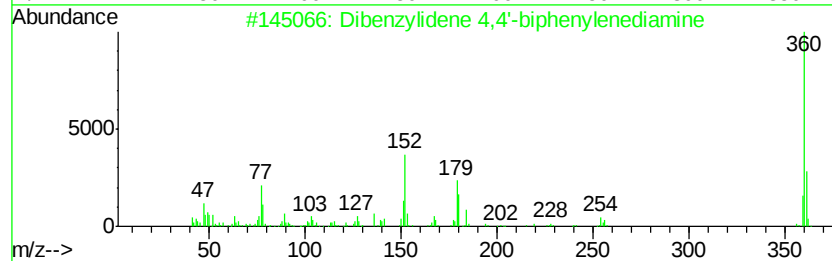
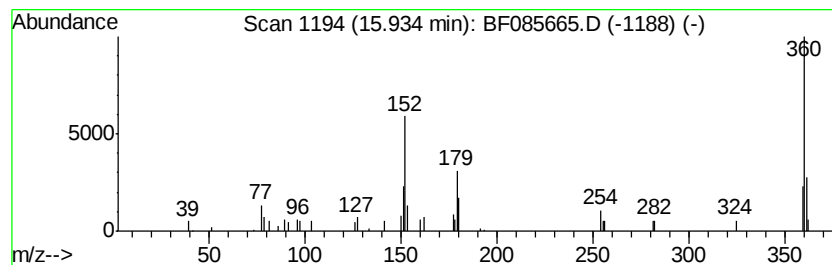
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Dibenzylidene 4,4'-biphenyl... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.93 | 2.80 ng | 117107 | Perylene-d12     | 15.41 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2   | 006311-48-4  | 93   |
| 2    |    | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5  | 46   |
| 3    |    | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2   | 004733-39-5  | 43   |
| 4    |    | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13B06  | 1000150-23-7 | 43   |
| 5    |    | [.mu.-Fulvalene]bis(cyclopentadi... | 360 | C20H18V2   | 1000163-45-2 | 37   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085665.D  
Acq On : 22 Mar 2016 18:18  
Operator : UM/SJ  
Sample : PB89079BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB89079BL

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.03  | 11.0    | ng    | 390422   | 1                     | 6.84  | 712509 | 20.0 |
| Dibenzylidene 4,4... | 15.93 | 2.8     | ng    | 117107   | 6                     | 15.41 | 837640 | 20.0 |