

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
 Data File : BM007240.D  
 Acq On : 19 Aug 2016 16:53  
 Operator : UM/SJ  
 Sample : H4436-20  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA217

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 1 % 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\_M\METHODS\SOM02.2-EPA-BM081116.M  
 Title : SVOA 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         | 6.969       | 738           | 745         | 756          | rBV      | 475153         | 774087        | 16.55%          | 1.622%        |
| 2         | 7.140       | 766           | 774         | 785          | rBV      | 368719         | 570786        | 12.20%          | 1.196%        |
| 3         | 7.340       | 799           | 808         | 818          | rBV      | 490141         | 824606        | 17.63%          | 1.728%        |
| 4         | 7.804       | 880           | 887         | 894          | rVB      | 989108         | 1592979       | 34.05%          | 3.338%        |
| 5         | 8.504       | 997           | 1006        | 1016         | rBV      | 559247         | 948620        | 20.28%          | 1.988%        |
| 6         | 8.957       | 1076          | 1083        | 1091         | rBV      | 445210         | 746491        | 15.96%          | 1.564%        |
| 7         | 9.069       | 1097          | 1102        | 1109         | rBV2     | 40007          | 67582         | 1.44%           | 0.142%        |
| 8         | 9.675       | 1197          | 1205        | 1213         | rBV      | 365103         | 612096        | 13.08%          | 1.283%        |
| 9         | 10.210      | 1289          | 1296        | 1308         | rBV      | 600862         | 1012554       | 21.64%          | 2.122%        |
| 10        | 10.586      | 1353          | 1360        | 1370         | rBV      | 1266356        | 2178628       | 46.57%          | 4.565%        |
| 11        | 10.722      | 1376          | 1383        | 1395         | rBV      | 508102         | 919240        | 19.65%          | 1.926%        |
| 12        | 13.327      | 1821          | 1826        | 1834         | rVB2     | 48557          | 77505         | 1.66%           | 0.162%        |
| 13        | 13.839      | 1907          | 1913        | 1918         | rBV      | 976976         | 1441219       | 30.81%          | 3.020%        |
| 14        | 13.886      | 1918          | 1921        | 1929         | rVB      | 592311         | 819902        | 17.53%          | 1.718%        |
| 15        | 14.127      | 1950          | 1962        | 1975         | rBV      | 1163769        | 1765436       | 37.74%          | 3.700%        |
| 16        | 14.433      | 2003          | 2014        | 2023         | rBV2     | 1838174        | 2843103       | 60.77%          | 5.958%        |
| 17        | 14.633      | 2042          | 2048        | 2061         | rBV      | 340199         | 618284        | 13.22%          | 1.296%        |
| 18        | 15.427      | 2177          | 2183        | 2190         | rBV      | 1524237        | 2216982       | 47.39%          | 4.646%        |
| 19        | 15.545      | 2198          | 2203        | 2213         | rBV2     | 197357         | 311149        | 6.65%           | 0.652%        |
| 20        | 17.180      | 2474          | 2481        | 2486         | rBV2     | 2380117        | 3501276       | 74.84%          | 7.337%        |
| 21        | 17.215      | 2486          | 2487        | 2491         | rVV      | 56730          | 63433         | 1.36%           | 0.133%        |
| 22        | 17.274      | 2491          | 2497        | 2508         | rVB2     | 1627927        | 2416580       | 51.65%          | 5.064%        |
| 23        | 17.562      | 2541          | 2546        | 2554         | rBV5     | 37035          | 78241         | 1.67%           | 0.164%        |
| 24        | 18.068      | 2627          | 2632        | 2637         | rBV3     | 49154          | 76242         | 1.63%           | 0.160%        |
| 25        | 19.233      | 2826          | 2830        | 2837         | rVB      | 132374         | 194373        | 4.15%           | 0.407%        |
| 26        | 19.380      | 2852          | 2855        | 2859         | rVB3     | 50191          | 54567         | 1.17%           | 0.114%        |
| 27        | 19.568      | 2881          | 2887        | 2896         | rBV      | 2192706        | 3976827       | 85.00%          | 8.334%        |
| 28        | 19.680      | 2901          | 2906        | 2937         | rVB6     | 854091         | 4533336       | 96.90%          | 9.500%        |
| 29        | 20.098      | 2974          | 2977        | 2981         | rBV4     | 47495          | 59720         | 1.28%           | 0.125%        |
| 30        | 21.356      | 3186          | 3191        | 3196         | rBV      | 3586289        | 4678434       | 100.00%         | 9.804%        |
| 31        | 23.486      | 3548          | 3553        | 3567         | rVB2     | 1483195        | 3155470       | 67.45%          | 6.613%        |
| 32        | 23.633      | 3571          | 3578        | 3593         | rVB2     | 2260381        | 4589970       | 98.11%          | 9.619%        |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
Data File : BM007240.D  
Acq On : 19 Aug 2016 16:53  
Operator : UM/SJ  
Sample : H4436-20  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA217

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % 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\_M\METHODS\SOM02.2-EPA-BM081116.M  
Title : SVOA CALIBRATION

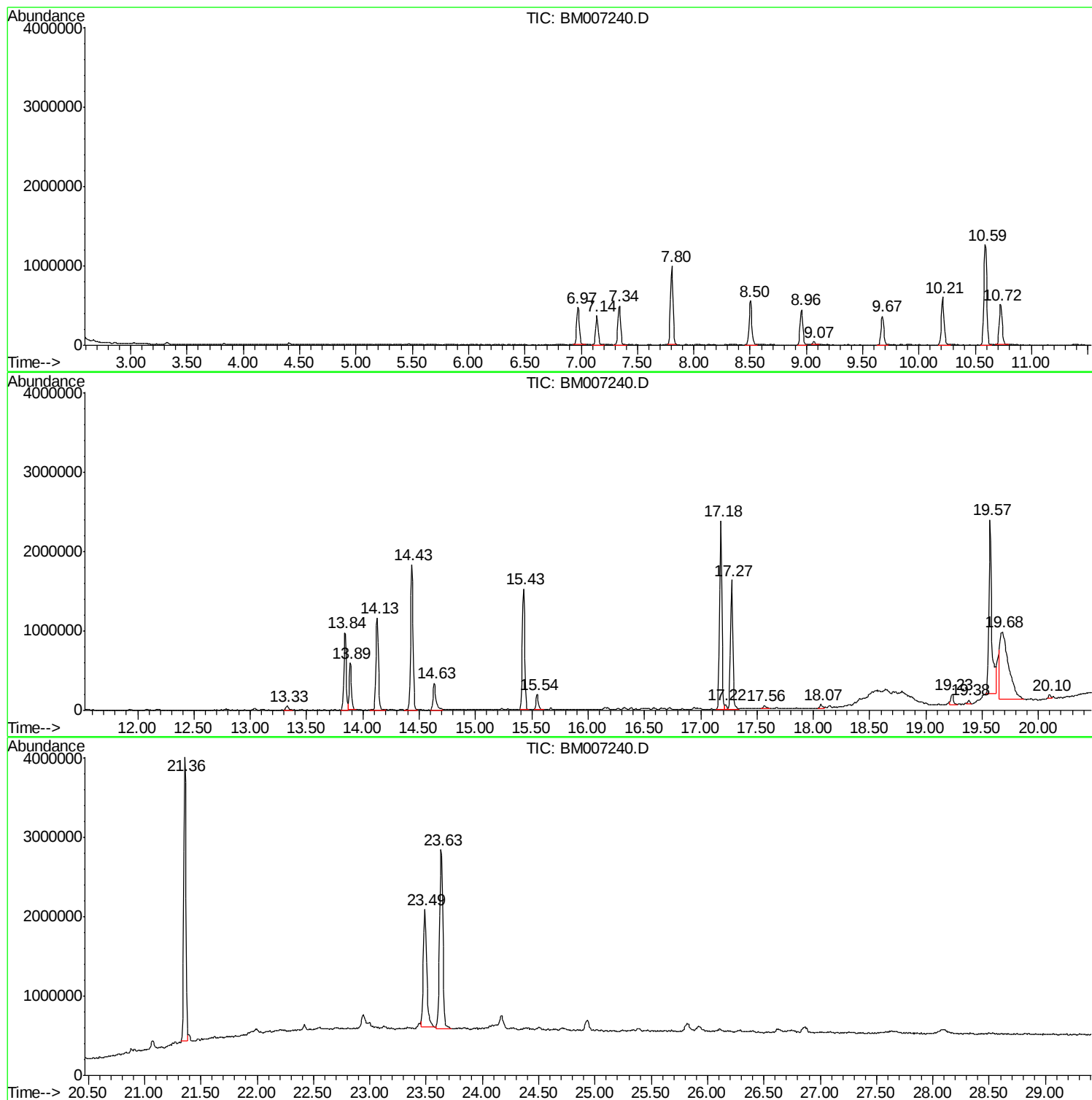
Sum of corrected areas: 47719718

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
Data File : BM007240.D  
Acq On : 19 Aug 2016 16:53  
Operator : UM/SJ  
Sample : H4436-20  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA217

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
Data File : BM007240.D  
Acq On : 19 Aug 2016 16:53  
Operator : UM/SJ  
Sample : H4436-20  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

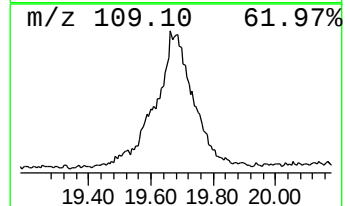
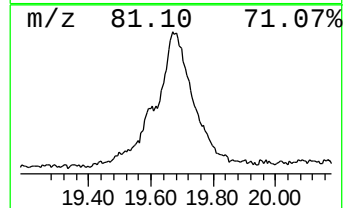
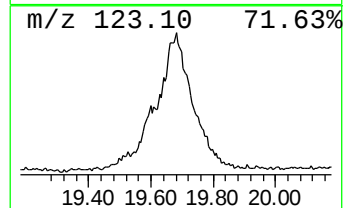
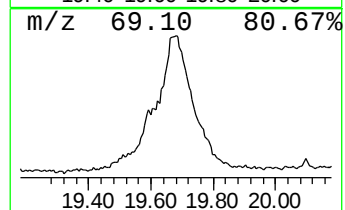
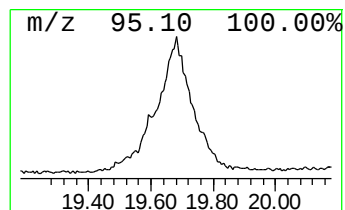
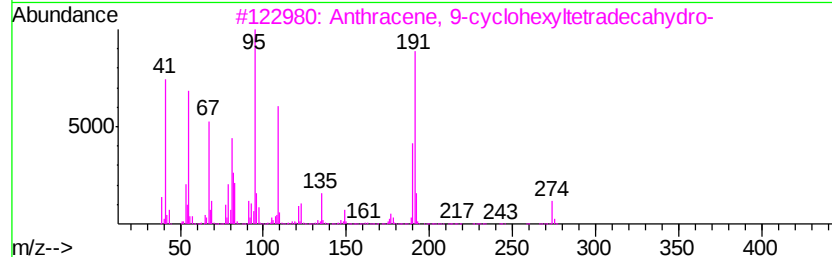
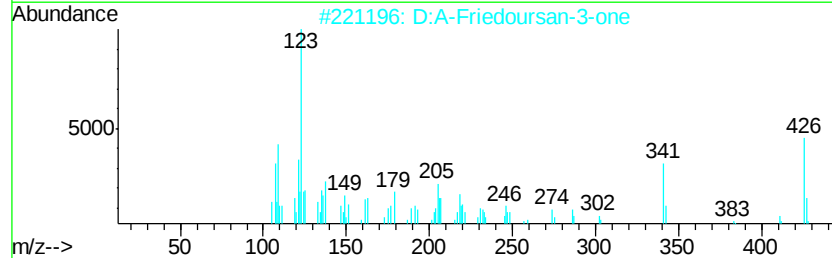
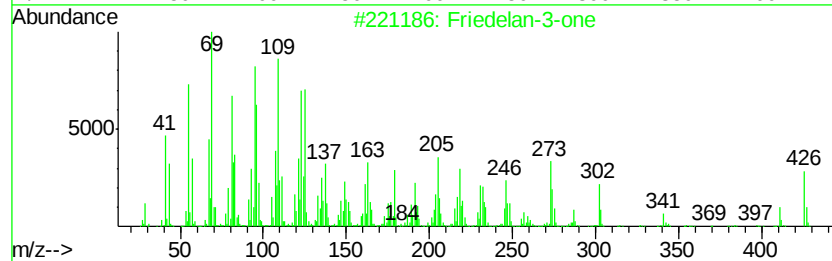
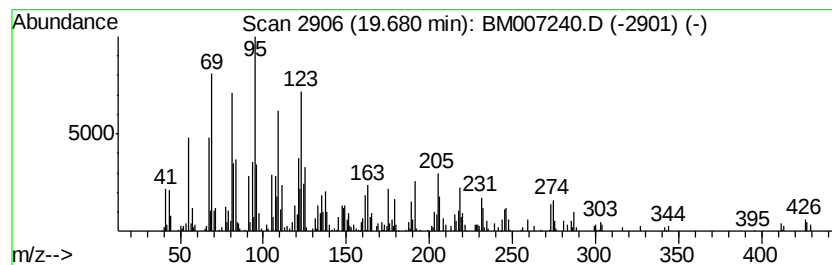
Instrument :  
BNA\_M  
ClientSampleId :  
DA217

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Friedelan-3-one Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 19.68   | 19.38 ng/ul                         | 4533340      | Chrysene-d12     | 21.36     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Friedelan-3-one                     | 426 C30H500  | 000559-74-0      | 86        |
| 2       | D:A-Friedoursan-3-one               | 426 C30H500  | 089950-00-5      | 53        |
| 3       | Anthracene, 9-cyclohexyltetradec... | 274 C20H34   | 055255-70-4      | 50        |
| 4       | Sesquirosefuran                     | 218 C15H220  | 039007-93-7      | 50        |
| 5       | 1,1,6,6-Tetramethylspiro[4.4]nonane | 180 C13H24   | 074054-92-5      | 42        |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081916\  
Data File : BM007240.D  
Acq On : 19 Aug 2016 16:53  
Operator : UM/SJ  
Sample : H4436-20  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA217

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Friedelan-3-one  | 19.68 | 19.4    | ng/ul | 4533340  | 5                     | 21.36 | 4678430 | 20.0 |