

Data Path : V:\HPCHEM1\BNA\_F\DATA\BF112015\  
 Data File : BF083098.D  
 Acq On : 21 Nov 2015 2:05  
 Operator : UM/IZ  
 Sample : G4506-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111915-A263-E-D-M

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-BF111915.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         | 4.830       | 237           | 240         | 246          | rBV      | 300921         | 388636        | 7.82%           | 1.443%        |
| 2         | 5.287       | 277           | 280         | 282          | rBV      | 1392221        | 1277464       | 25.72%          | 4.743%        |
| 3         | 6.339       | 370           | 372         | 375          | rBV      | 1295849        | 1213540       | 24.43%          | 4.506%        |
| 4         | 6.464       | 381           | 383         | 386          | rBV      | 2591959        | 2260707       | 45.52%          | 8.394%        |
| 5         | 6.693       | 401           | 403         | 406          | rVB      | 843505         | 909347        | 18.31%          | 3.377%        |
| 6         | 6.853       | 415           | 417         | 420          | rBV      | 3399980        | 3336446       | 67.17%          | 12.389%       |
| 7         | 7.265       | 450           | 453         | 455          | rBV      | 2750792        | 2605364       | 52.45%          | 9.674%        |
| 8         | 7.985       | 514           | 516         | 519          | rBV      | 1261010        | 1162922       | 23.41%          | 4.318%        |
| 9         | 9.070       | 608           | 611         | 613          | rBV      | 5492290        | 4966915       | 100.00%         | 18.443%       |
| 10        | 9.459       | 643           | 645         | 648          | rBV      | 139402         | 168898        | 3.40%           | 0.627%        |
| 11        | 9.745       | 667           | 670         | 672          | rBV      | 923126         | 1178138       | 23.72%          | 4.375%        |
| 12        | 10.522      | 736           | 738         | 741          | rBV      | 1145587        | 1049747       | 21.13%          | 3.898%        |
| 13        | 10.659      | 749           | 750         | 754          | rBV      | 40027          | 56401         | 1.14%           | 0.209%        |
| 14        | 11.219      | 796           | 799         | 801          | rBV      | 1193966        | 1037240       | 20.88%          | 3.851%        |
| 15        | 12.808      | 935           | 938         | 940          | rBV      | 3525326        | 3186749       | 64.16%          | 11.833%       |
| 16        | 13.734      | 1017          | 1019        | 1026         | rBV3     | 24751          | 85910         | 1.73%           | 0.319%        |
| 17        | 13.848      | 1026          | 1029        | 1031         | rBV      | 1122237        | 988500        | 19.90%          | 3.670%        |
| 18        | 14.705      | 1102          | 1104        | 1107         | rBV      | 369301         | 368704        | 7.42%           | 1.369%        |
| 19        | 15.231      | 1147          | 1150        | 1153         | rBV      | 586775         | 689373        | 13.88%          | 2.560%        |

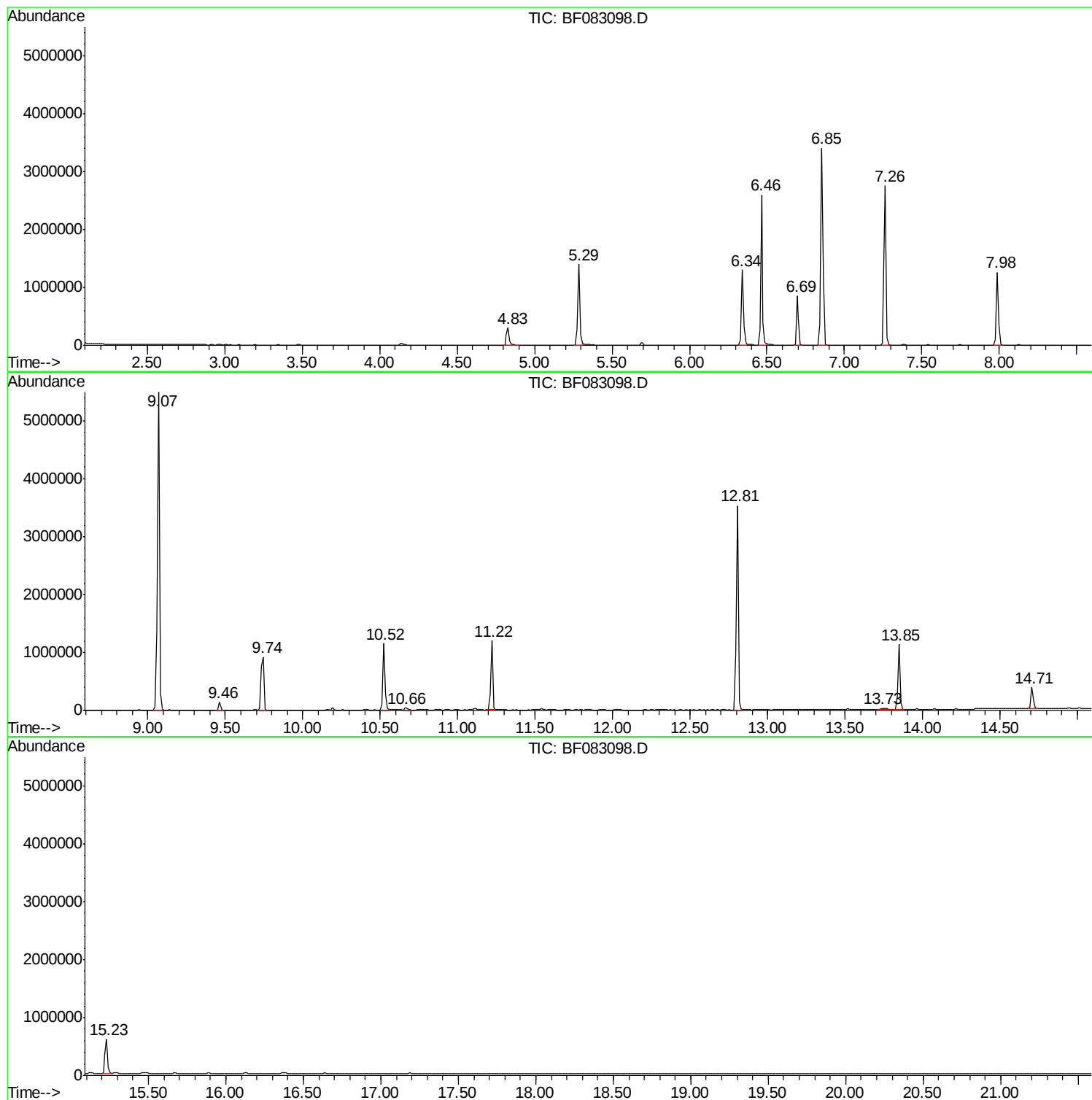
Sum of corrected areas: 26931001

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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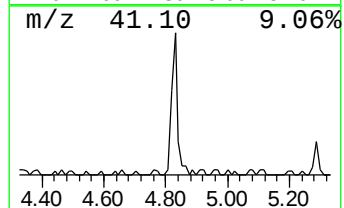
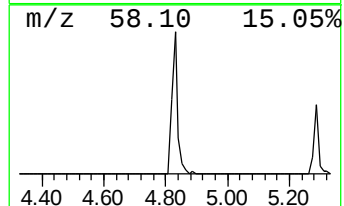
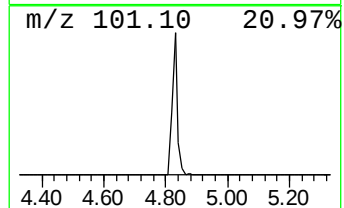
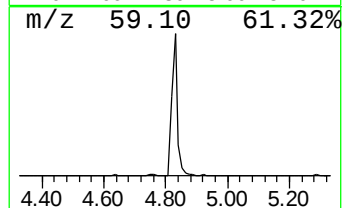
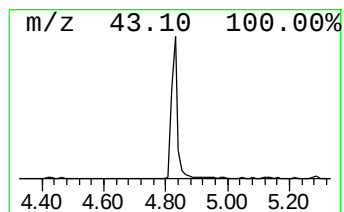
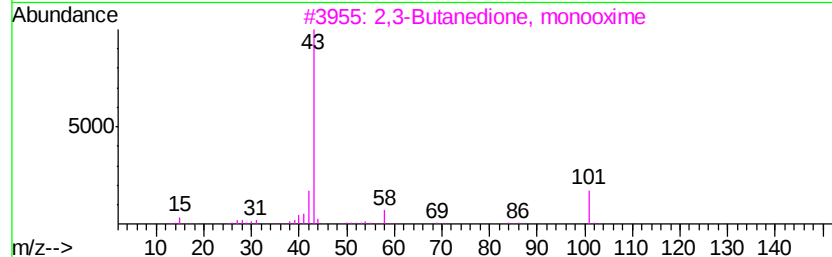
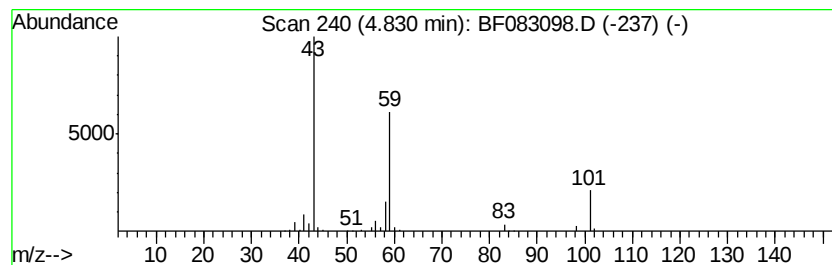
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.83 | 8.55 ng | 388636 | 1,4-Dichlorobenzene-d4 | 6.69 |

| Hit# | of                                   | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 3    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |
| 4    | 5-Hexen-2-one                        | 98  | C6H10O       | 000109-49-9 | 9       |      |      |
| 5    | Butane, 1-ethoxy-                    | 102 | C6H14O       | 000628-81-9 | 9       |      |      |



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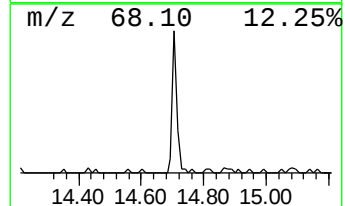
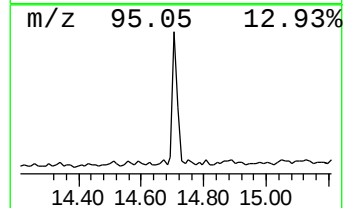
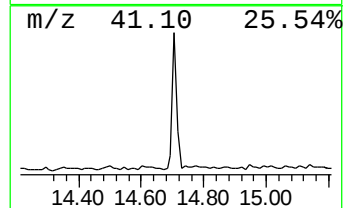
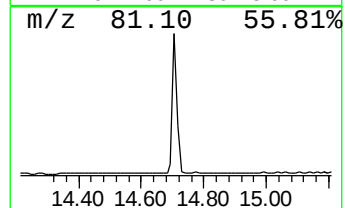
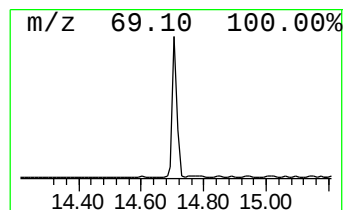
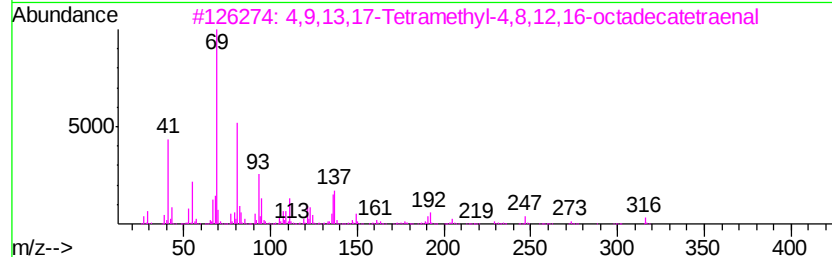
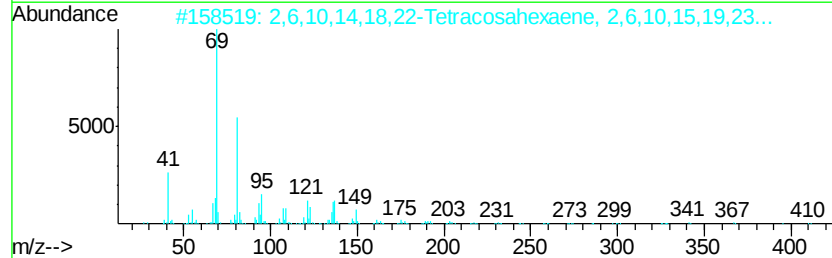
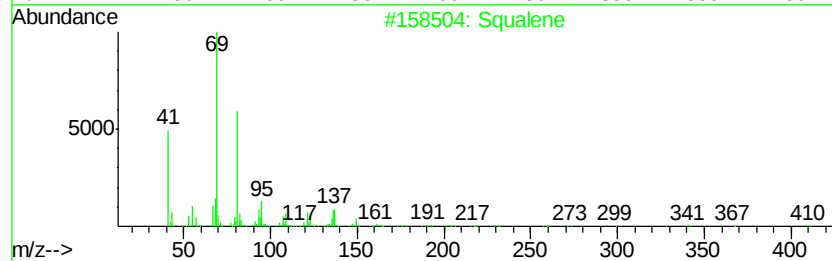
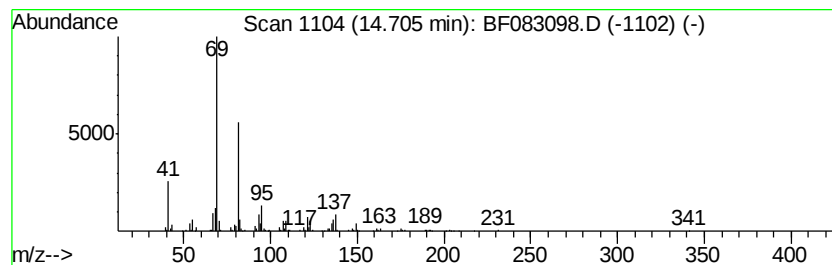
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Peak Number 4 Squalene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.71 | 10.70 ng | 368704 | Perylene-d12     | 15.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 2    |    | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50  | 000111-02-4 | 91   |
| 3    |    | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H360 | 056882-09-8 | 83   |
| 4    |    | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66  | 000502-62-5 | 83   |
| 5    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H260 | 004602-84-0 | 78   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.83  | 8.6     | ng    | 388636   | 1                     | 6.69  | 909347 | 20.0 |
| Squalene             | 14.71 | 10.7    | ng    | 368704   | 6                     | 15.23 | 689373 | 20.0 |