

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF053119\  
 Data File : BF114724.D  
 Acq On : 31 May 2019 23:14  
 Operator : HP/JU  
 Sample : K3037-12  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW2-R1-3

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-BF052919.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         | 4.881       | 472           | 475         | 483          | rVB      | 96773          | 126404        | 1.12%           | 0.166%        |
| 2         | 5.298       | 542           | 546         | 550          | rBV      | 4243155        | 4091678       | 36.29%          | 5.368%        |
| 3         | 6.322       | 715           | 720         | 723          | rBV      | 3399505        | 2711555       | 24.05%          | 3.558%        |
| 4         | 6.463       | 739           | 744         | 747          | rBV      | 7489116        | 7278669       | 64.56%          | 9.550%        |
| 5         | 6.692       | 779           | 783         | 787          | rBV      | 2995583        | 2511094       | 22.27%          | 3.295%        |
| 6         | 6.851       | 805           | 810         | 813          | rBV      | 7961671        | 7711009       | 68.39%          | 10.117%       |
| 7         | 7.257       | 872           | 879         | 882          | rBV      | 6056442        | 6493507       | 57.59%          | 8.520%        |
| 8         | 7.975       | 996           | 1001        | 1004         | rBV      | 3785768        | 3198081       | 28.36%          | 4.196%        |
| 9         | 9.051       | 1178          | 1184        | 1187         | rBV      | 10343932       | 11275031      | 100.00%         | 14.793%       |
| 10        | 9.721       | 1290          | 1298        | 1306         | rBV      | 4118357        | 3745228       | 33.22%          | 4.914%        |
| 11        | 10.504      | 1425          | 1431        | 1434         | rBV      | 6354526        | 6075869       | 53.89%          | 7.972%        |
| 12        | 11.192      | 1544          | 1548        | 1552         | rBV      | 4085699        | 3555429       | 31.53%          | 4.665%        |
| 13        | 11.733      | 1637          | 1640        | 1643         | rBV3     | 142973         | 146276        | 1.30%           | 0.192%        |
| 14        | 12.515      | 1770          | 1773        | 1785         | rVB      | 90989          | 127166        | 1.13%           | 0.167%        |
| 15        | 12.780      | 1813          | 1818        | 1821         | rVB      | 9316625        | 9876232       | 87.59%          | 12.958%       |
| 16        | 12.815      | 1821          | 1824        | 1831         | rVB      | 121485         | 125348        | 1.11%           | 0.164%        |
| 17        | 13.809      | 1989          | 1993        | 1997         | rBV      | 2866926        | 2739873       | 24.30%          | 3.595%        |
| 18        | 14.915      | 2177          | 2181        | 2189         | rBV      | 165254         | 199507        | 1.77%           | 0.262%        |
| 19        | 15.198      | 2224          | 2229        | 2236         | rBV      | 1967144        | 2299685       | 20.40%          | 3.017%        |
| 20        | 15.262      | 2236          | 2240        | 2245         | rVV      | 161994         | 187580        | 1.66%           | 0.246%        |
| 21        | 15.656      | 2303          | 2307        | 2313         | rVB      | 157663         | 226399        | 2.01%           | 0.297%        |
| 22        | 16.015      | 2363          | 2368        | 2376         | rBV6     | 111811         | 202048        | 1.79%           | 0.265%        |
| 23        | 16.121      | 2381          | 2386        | 2393         | rVB      | 138477         | 229814        | 2.04%           | 0.302%        |
| 24        | 16.650      | 2472          | 2476        | 2481         | rBV2     | 71704          | 136694        | 1.21%           | 0.179%        |
| 25        | 16.703      | 2481          | 2485        | 2494         | rVB4     | 97890          | 189654        | 1.68%           | 0.249%        |
| 26        | 17.068      | 2540          | 2547        | 2561         | rBV4     | 265238         | 625415        | 5.55%           | 0.821%        |
| 27        | 17.286      | 2579          | 2584        | 2591         | rVB3     | 57417          | 132280        | 1.17%           | 0.174%        |

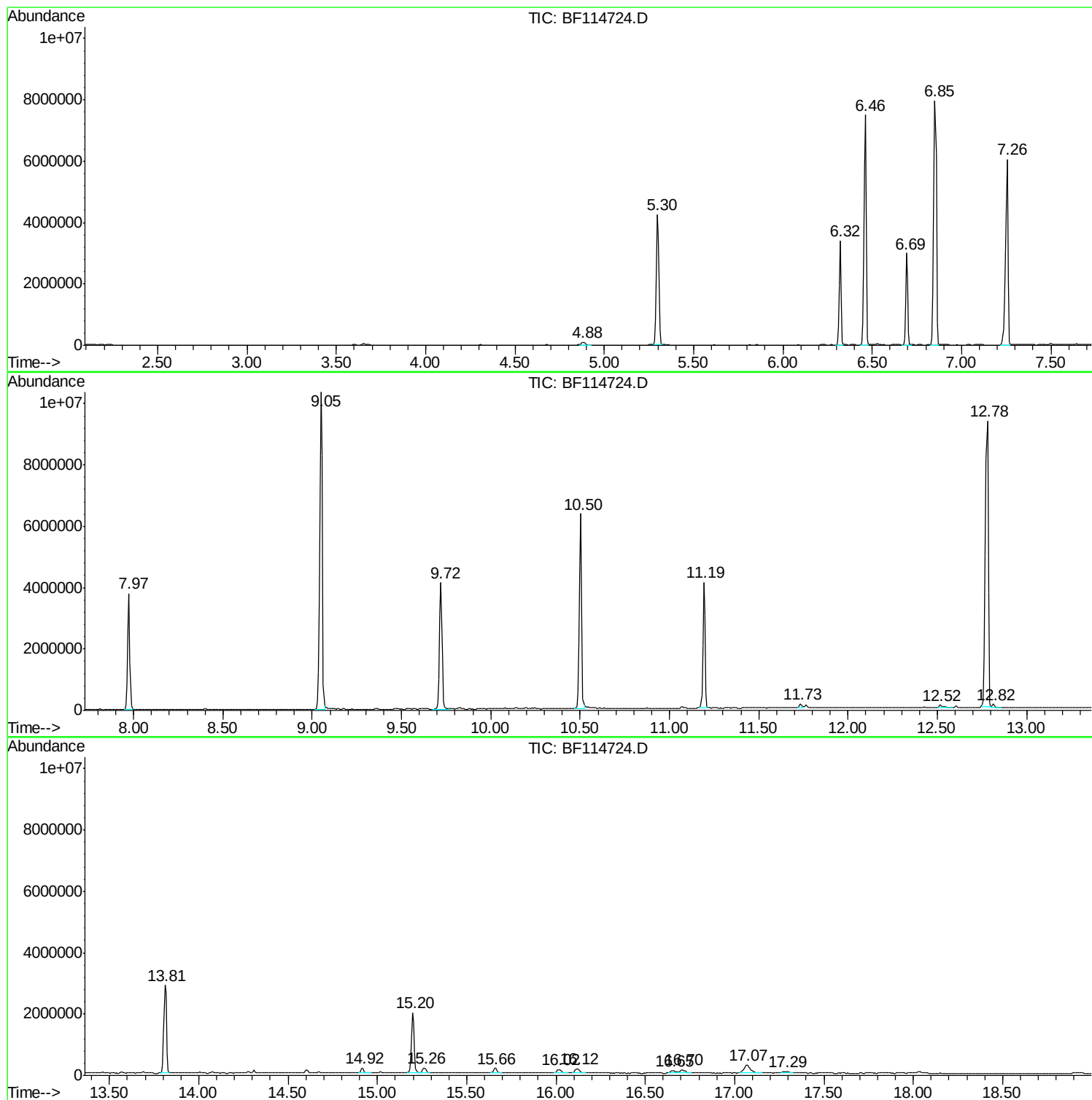
Sum of corrected areas: 76217525

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.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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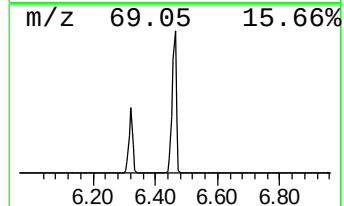
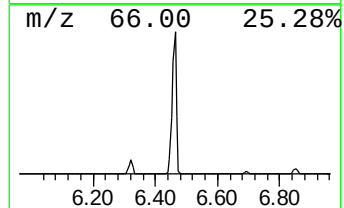
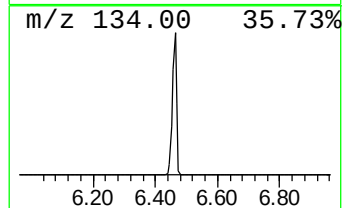
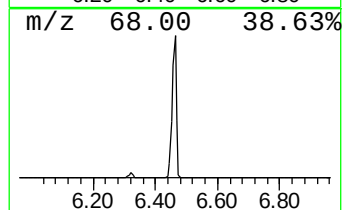
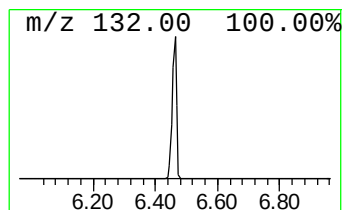
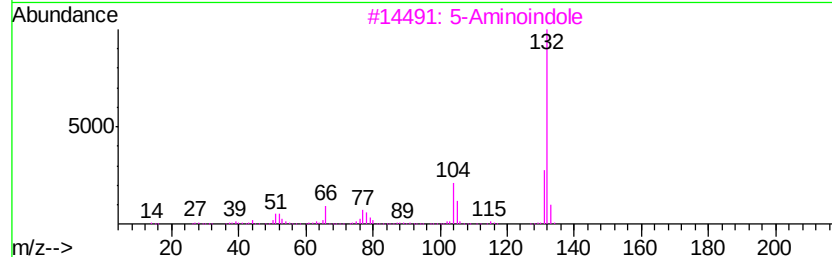
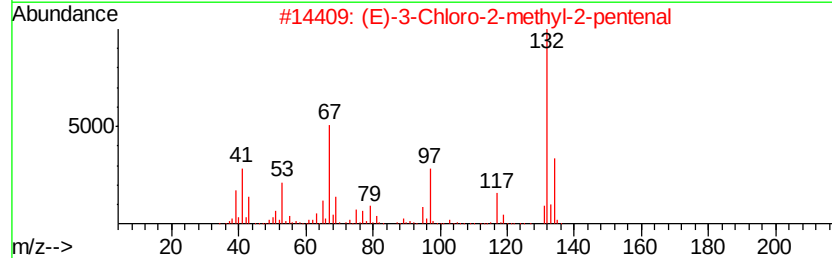
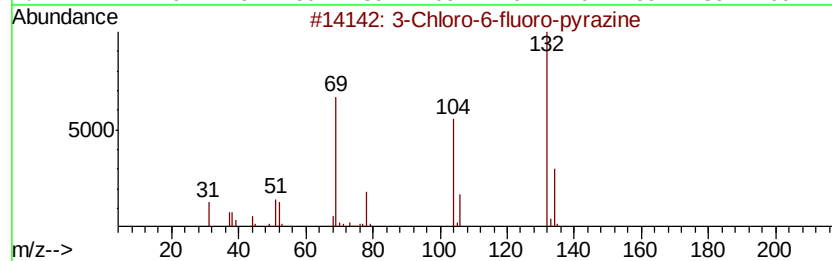
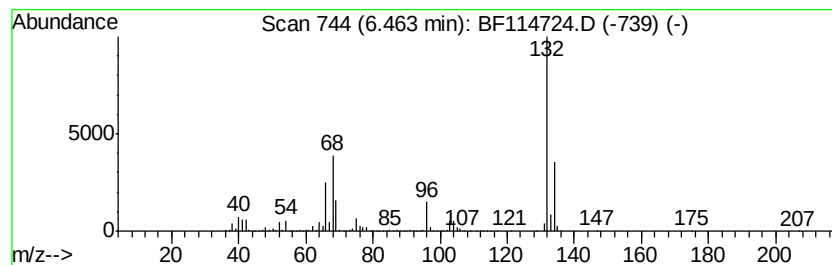
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
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Peak Number 1 unknown6.46 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.46 | 57.97 ng | 7278670 | 1,4-Dichlorobenzene-d4 | 6.69 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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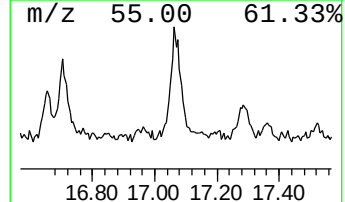
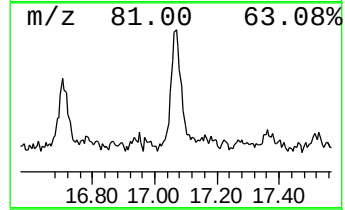
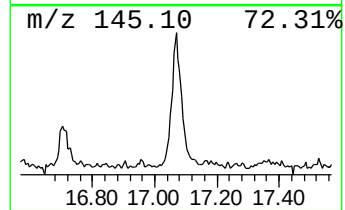
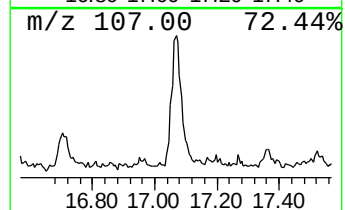
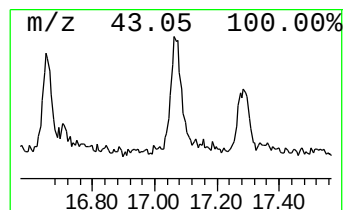
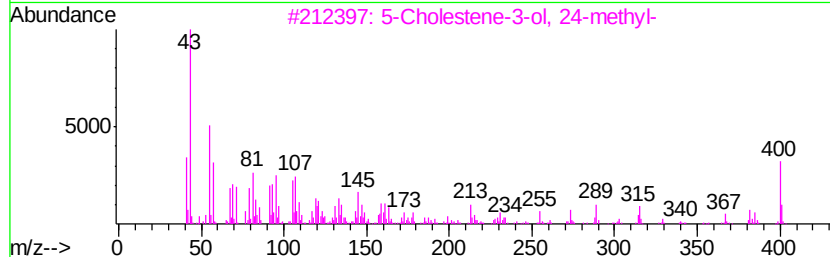
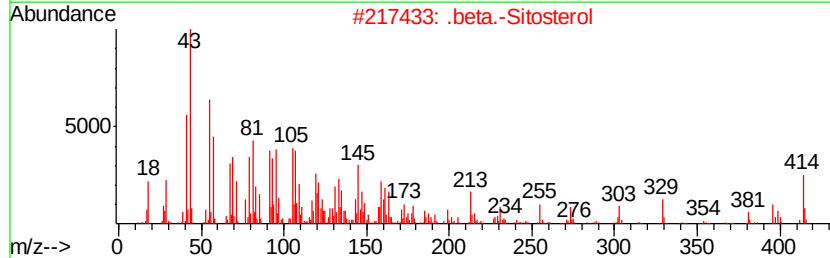
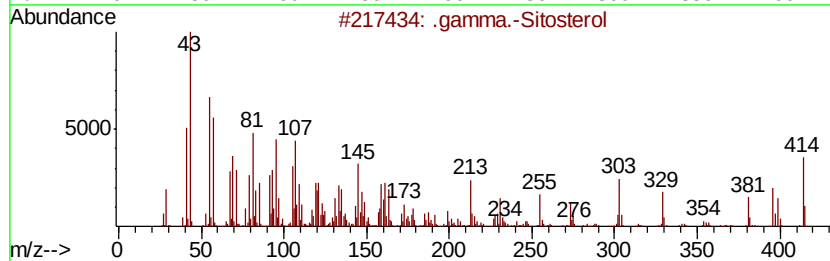
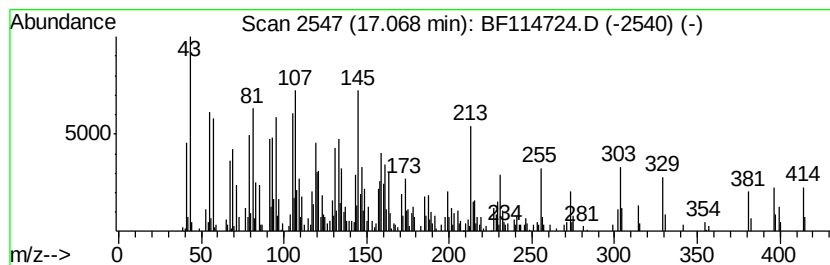
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Peak Number 3 .gamma.-Sitosterol Concentration Rank 3

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------|--------|------------------|--------------|------|
| 17.07     | 5.44 ng                       | 625415 | Perylene-d12     | 15.20        |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#         | Qual |
| 1         | .gamma.-Sitosterol            | 414    | C29H50O          | 000083-47-6  | 99   |
| 2         | .beta.-Sitosterol             | 414    | C29H50O          | 000083-46-5  | 97   |
| 3         | 5-Cholestene-3-ol, 24-methyl- | 400    | C28H48O          | 1000214-17-4 | 49   |
| 4         | Isocholesteryl methyl ether   | 400    | C28H48O          | 029944-53-4  | 25   |
| 5         | Ethinyl Estradiol             | 296    | C20H24O2         | 000057-63-6  | 16   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.46        | 6.46  | 58.0    | ng    | 7278670  | 1                     | 6.69  | 2511090 | 20.0 |
| .gamma.-Sitosterol | 17.07 | 5.4     | ng    | 625415   | 6                     | 15.20 | 2299690 | 20.0 |