

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072219\  
 Data File : BF115702.D  
 Acq On : 22 Jul 2019 11:58  
 Operator : HP/JU  
 Sample : PB121521BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121521BL

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-BF071219.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         | 2.263       | 24            | 30          | 36           | rVB      | 63923          | 94710         | 1.61%           | 0.220%        |
| 2         | 5.516       | 577           | 583         | 586          | rBV      | 3750535        | 4192796       | 71.36%          | 9.718%        |
| 3         | 6.510       | 746           | 752         | 755          | rBV      | 3640615        | 4430742       | 75.41%          | 10.269%       |
| 4         | 6.651       | 771           | 776         | 779          | rBV      | 4407038        | 4529220       | 77.09%          | 10.497%       |
| 5         | 6.875       | 811           | 814         | 818          | rBV      | 1094116        | 1024968       | 17.45%          | 2.376%        |
| 6         | 7.034       | 837           | 841         | 845          | rBV      | 3544541        | 3688277       | 62.77%          | 8.548%        |
| 7         | 7.439       | 904           | 910         | 913          | rBV      | 2679993        | 2951874       | 50.24%          | 6.842%        |
| 8         | 8.157       | 1027          | 1032        | 1049         | rBV      | 1232581        | 1311076       | 22.31%          | 3.039%        |
| 9         | 9.239       | 1209          | 1216        | 1219         | rBV      | 5189657        | 5490890       | 93.46%          | 12.726%       |
| 10        | 9.916       | 1325          | 1331        | 1347         | rBV      | 1695078        | 1574904       | 26.80%          | 3.650%        |
| 11        | 10.704      | 1460          | 1465        | 1484         | rBV      | 3217694        | 3500942       | 59.59%          | 8.114%        |
| 12        | 11.398      | 1579          | 1583        | 1591         | rBV      | 1658410        | 1590795       | 27.08%          | 3.687%        |
| 13        | 12.992      | 1848          | 1854        | 1857         | rBV      | 5295529        | 5875412       | 100.00%         | 13.617%       |
| 14        | 13.898      | 1993          | 2008        | 2026         | rBV5     | 26148          | 119963        | 2.04%           | 0.278%        |
| 15        | 14.039      | 2028          | 2032        | 2044         | rBV      | 1324868        | 1299333       | 22.11%          | 3.011%        |
| 16        | 15.156      | 2218          | 2222        | 2227         | rVB      | 54766          | 62190         | 1.06%           | 0.144%        |
| 17        | 15.515      | 2278          | 2283        | 2298         | rVB      | 804311         | 1192474       | 20.30%          | 2.764%        |
| 18        | 15.980      | 2356          | 2362        | 2367         | rBV      | 82997          | 125981        | 2.14%           | 0.292%        |
| 19        | 16.486      | 2444          | 2448        | 2455         | rVB2     | 50911          | 89927         | 1.53%           | 0.208%        |

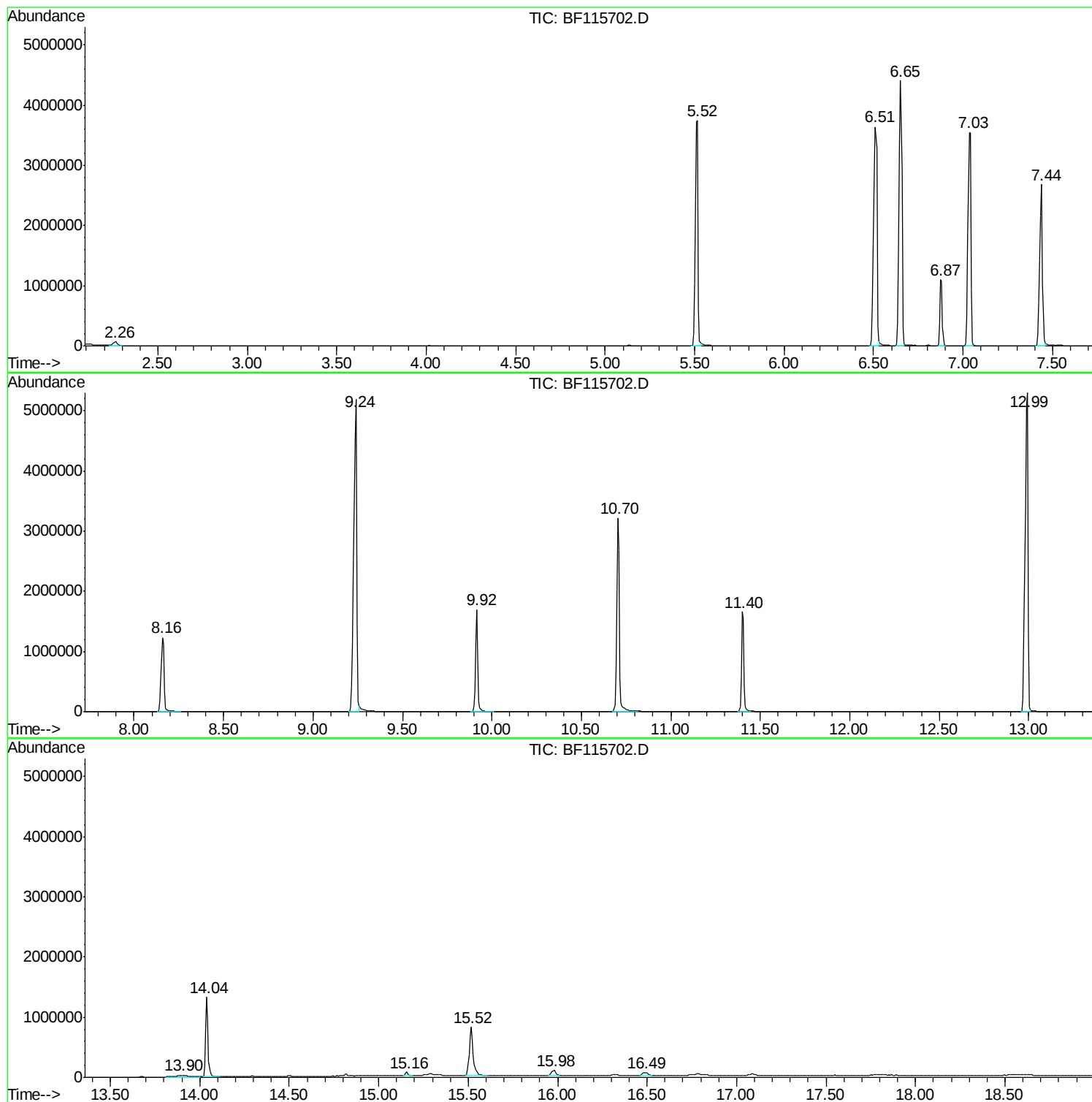
Sum of corrected areas: 43146474

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.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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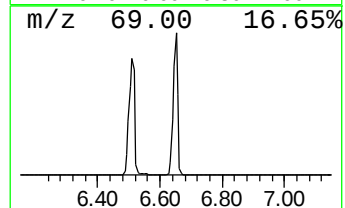
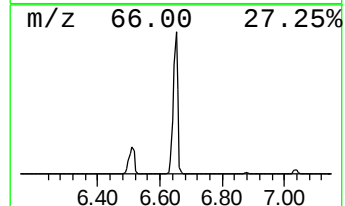
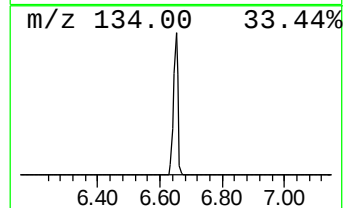
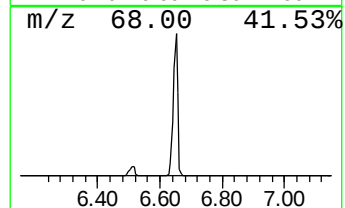
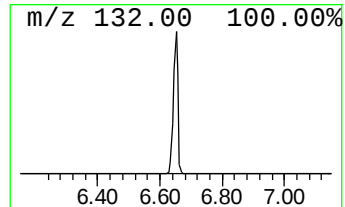
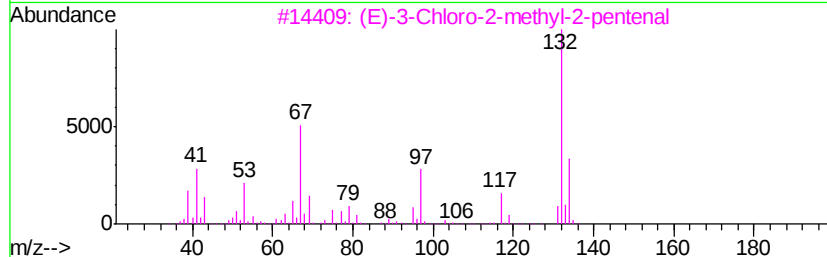
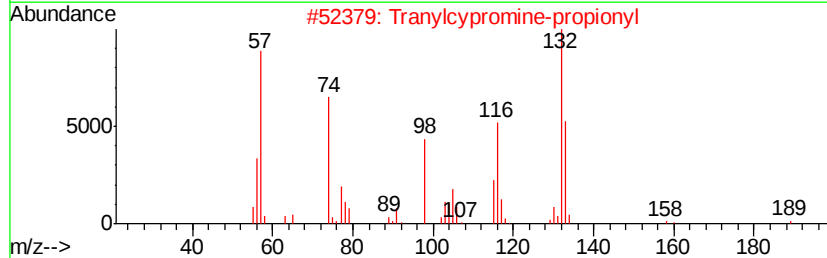
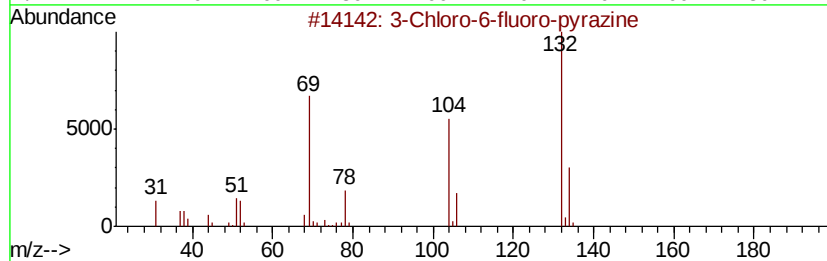
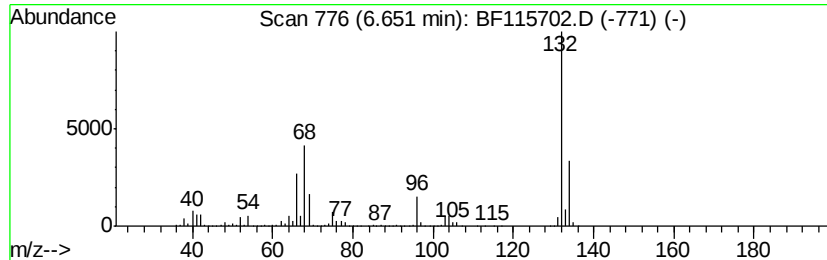
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 88.38 ng | 4529220 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of                                  | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|--------------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine          | 132          | C4H2ClFN2 | 1000146-10-7 | 27   |      |
| 2    | Tranvlcypropine-propionyl           | 189          | C12H15NO  | 1000123-86-3 | 12   |      |
| 3    | (E)-3-Chloro-2-methyl-2-pentenal    | 132          | C6H9ClO   | 031357-76-3  | 12   |      |
| 4    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132          | C10H12    | 028749-81-7  | 9    |      |
| 5    | 5-Fluoro-2-chloropyrimidine         | 132          | C4H2ClFN2 | 062802-42-0  | 9    |      |



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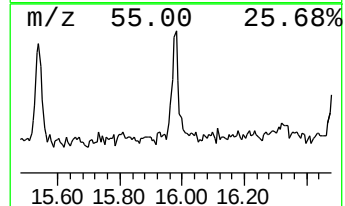
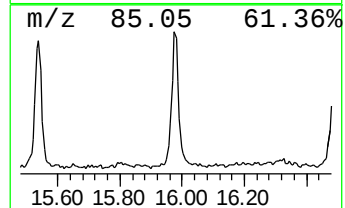
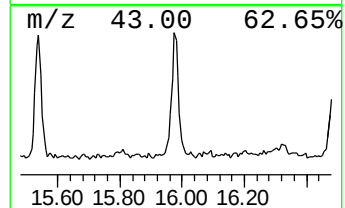
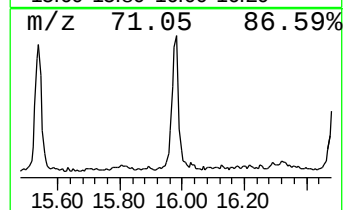
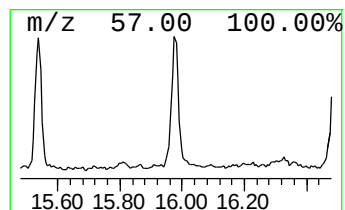
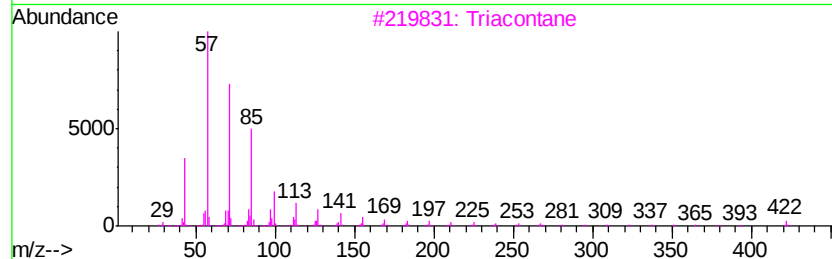
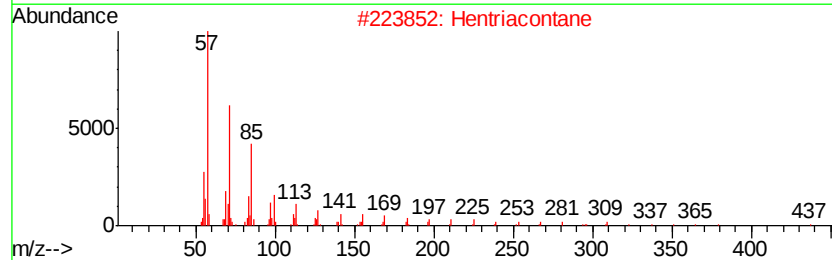
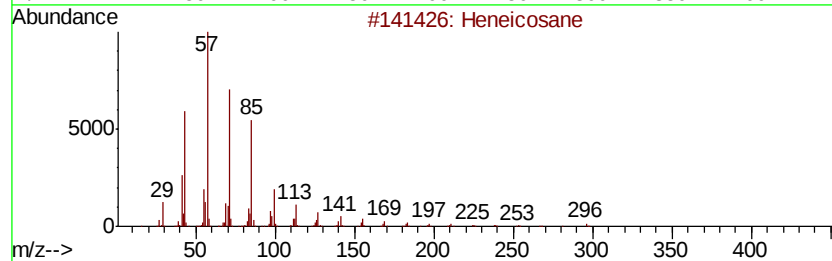
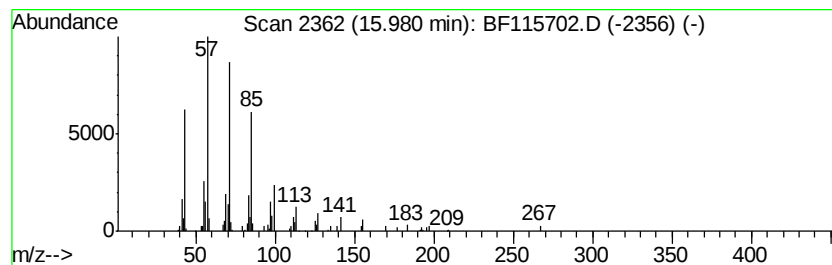
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Peak Number 3 Heneicosane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.98 | 2.11 ng | 125981 | Perylene-d12     | 15.52 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane    |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Hentriacontane |              | 437 | C31H64  | 000630-04-6 | 91   |
| 3       | Triacontane    |              | 422 | C30H62  | 000638-68-6 | 91   |
| 4       | Octacosane     |              | 394 | C28H58  | 000630-02-4 | 91   |
| 5       | Pentacosane    |              | 352 | C25H52  | 000629-99-2 | 91   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.65      | 6.65  | 88.4    | ng    | 4529220  | 1                     | 6.88  | 1024970 | 20.0 |
| Heneicosane      | 15.98 | 2.1     | ng    | 125981   | 6                     | 15.52 | 1192470 | 20.0 |