

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090618\  
 Data File : BM016702.D  
 Acq On : 07 Sep 2018 01:36  
 Operator : SJ/JU  
 Sample : J4798-18  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 090418-TIPC-E-U-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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082118.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         | 5.516       | 374           | 379         | 388          | rBV      | 289653         | 526711        | 4.93%           | 1.808%        |
| 2         | 7.146       | 651           | 656         | 674          | rBV2     | 169022         | 346145        | 3.24%           | 1.188%        |
| 3         | 7.487       | 709           | 714         | 731          | rBV      | 746274         | 1345554       | 12.59%          | 4.619%        |
| 4         | 7.963       | 789           | 795         | 807          | rBV      | 229089         | 429055        | 4.01%           | 1.473%        |
| 5         | 8.275       | 841           | 848         | 859          | rBV      | 1427522        | 2324716       | 21.75%          | 7.980%        |
| 6         | 9.146       | 990           | 996         | 1013         | rBV      | 821525         | 1415513       | 13.24%          | 4.859%        |
| 7         | 10.763      | 1265          | 1271        | 1287         | rBV2     | 227365         | 444048        | 4.15%           | 1.524%        |
| 8         | 13.216      | 1682          | 1688        | 1705         | rBV      | 3207365        | 4233934       | 39.61%          | 14.534%       |
| 9         | 14.604      | 1915          | 1924        | 1933         | rBV2     | 368112         | 596348        | 5.58%           | 2.047%        |
| 10        | 16.098      | 2172          | 2178        | 2192         | rBV      | 2086242        | 3036580       | 28.41%          | 10.424%       |
| 11        | 17.345      | 2385          | 2390        | 2404         | rBV      | 546868         | 847856        | 7.93%           | 2.910%        |
| 12        | 18.198      | 2529          | 2535        | 2542         | rBV4     | 76087          | 114888        | 1.07%           | 0.394%        |
| 13        | 19.939      | 2825          | 2831        | 2839         | rBV      | 10073332       | 10689213      | 100.00%         | 36.693%       |
| 14        | 21.498      | 3091          | 3096        | 3102         | rBV      | 971195         | 1331067       | 12.45%          | 4.569%        |
| 15        | 23.756      | 3475          | 3480        | 3494         | rVB2     | 695824         | 1449869       | 13.56%          | 4.977%        |

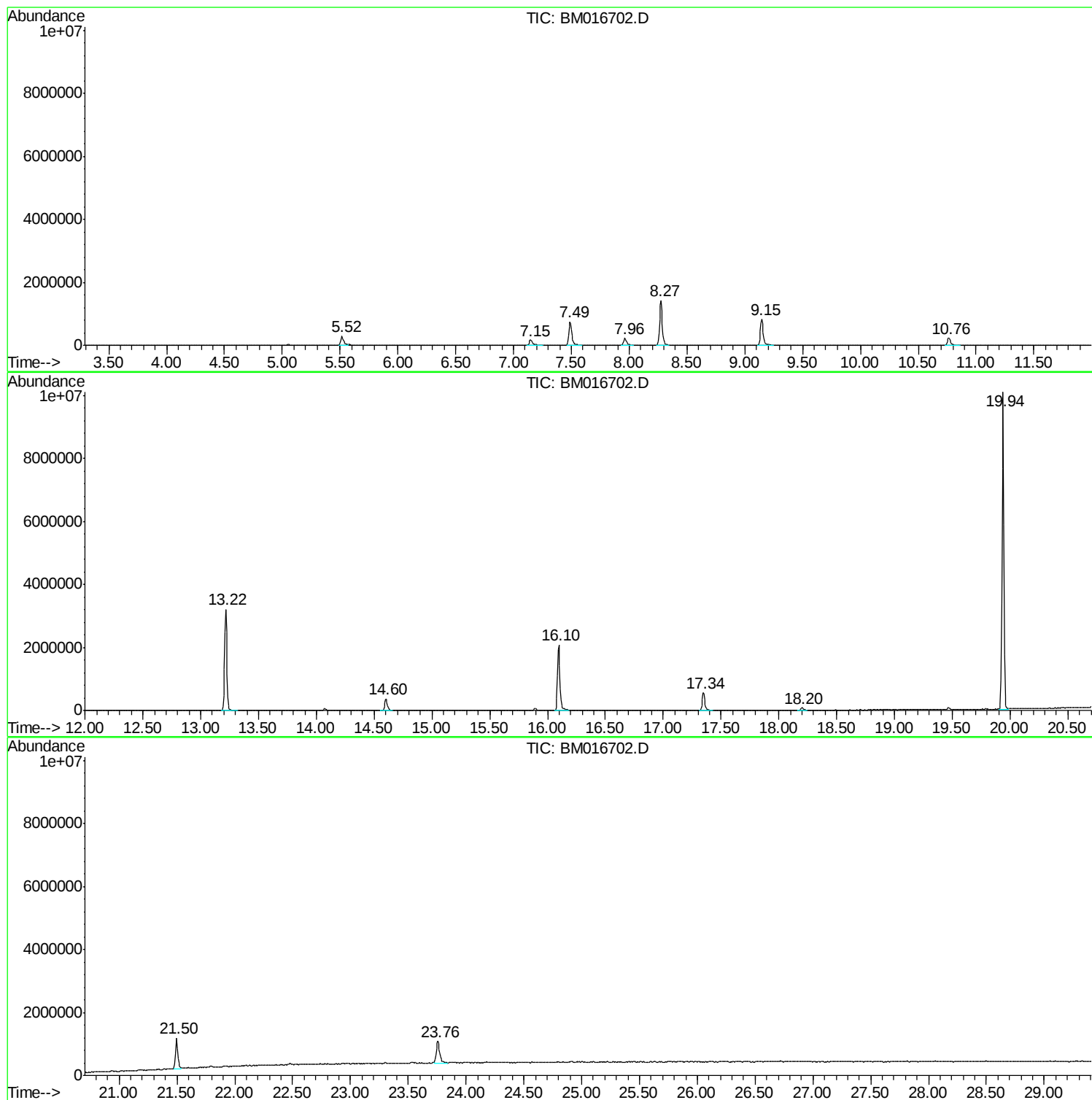
Sum of corrected areas: 29131497

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.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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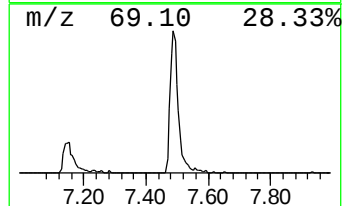
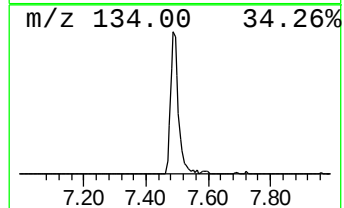
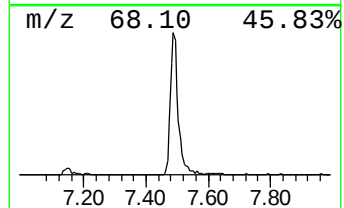
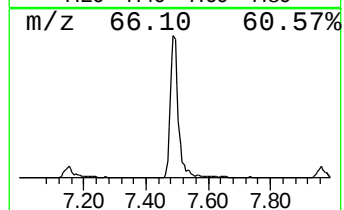
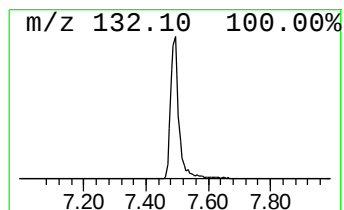
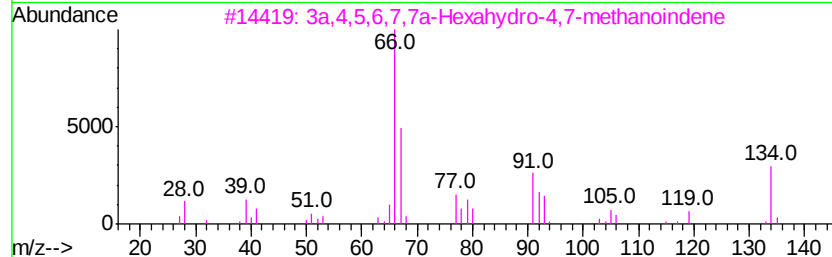
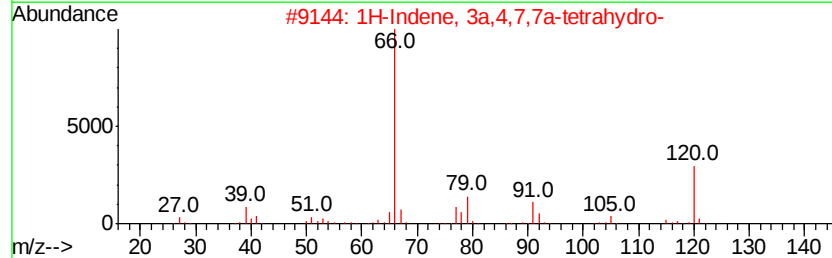
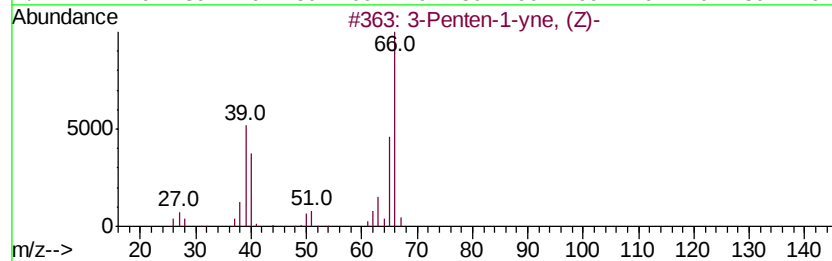
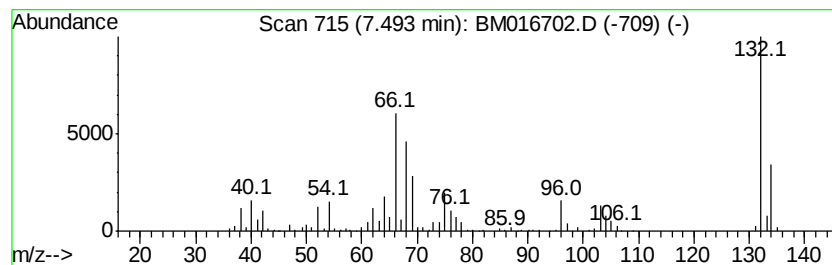
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.49 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.49 | 62.72 ng | 1345550 | 1,4-Dichlorobenzene-d4 | 7.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 3-Penten-1-yne, (Z)-                | 66  | C5H6      | 001574-40-9 | 27   |
| 2    |    | 1H-Indene, 3a,4,7,7a-tetrahydro-    | 120 | C9H12     | 003048-65-5 | 27   |
| 3    |    | 3a,4,5,6,7,7a-Hexahydro-4,7-meth... | 134 | C10H14    | 004488-57-7 | 25   |
| 4    |    | 1H-Tetrazaborole, 5-chloro-4,5-d... | 132 | C2H6BClN4 | 021960-49-6 | 22   |
| 5    |    | 3-Hexenedinitrile                   | 106 | C6H6N2    | 001119-85-3 | 16   |



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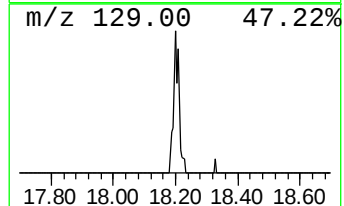
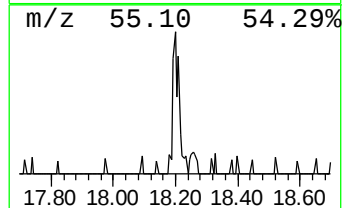
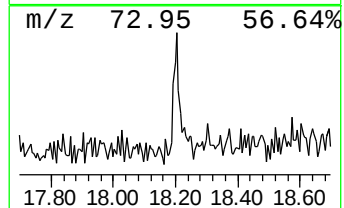
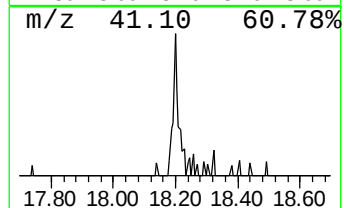
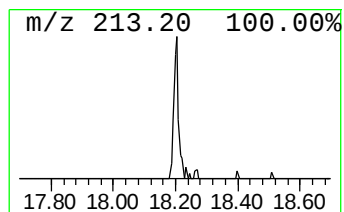
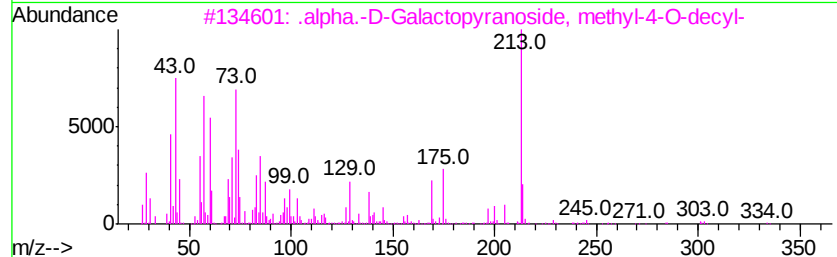
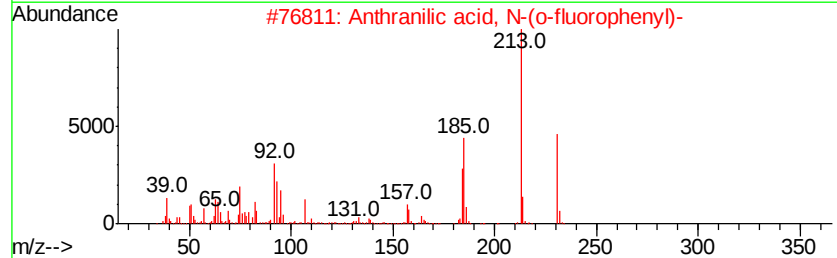
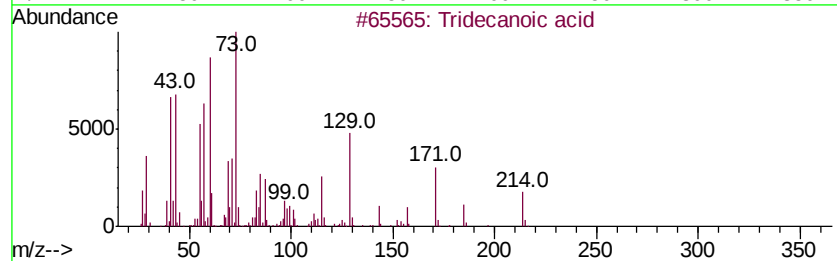
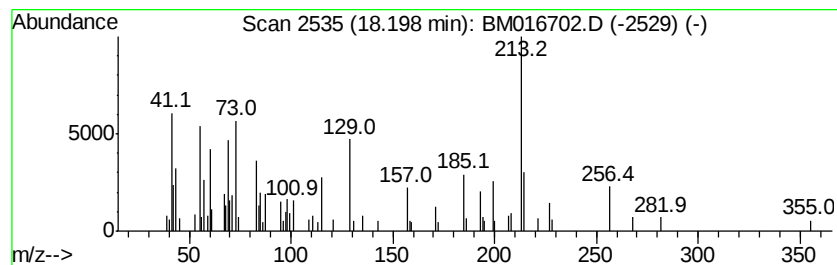
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Peak Number 3 Tridecanoic acid Concentration Rank 3

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 18.20   | 2.71 ng | 114888                              | Phenanthrene-d10 | 17.34      |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | Tridecanoic acid                    | 214              | C13H26O2   | 000638-53-9  | 52   |
| 2       |         | Anthranilic acid, N-(o-fluorophe... | 231              | C13H10FN02 | 000054-58-0  | 27   |
| 3       |         | .alpha.-D-Galactopvranoside, met... | 334              | C17H34O6   | 1000157-55-9 | 25   |
| 4       |         | Diethylbis(tetramethylene)disilo... | 242              | C12H26OSi2 | 018035-51-3  | 25   |
| 5       |         | 6H-Indolo[3,2,1-de][1,5]naphthyr... | 256              | C15H16N2O2 | 050630-67-6  | 16   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown7.49      | 7.49  | 62.7    | ng    | 1345550  | 1                     | 7.96  | 429055 | 20.0 |
| Tridecanoic acid | 18.20 | 2.7     | ng    | 114888   | 4                     | 17.34 | 847856 | 20.0 |