

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081619\  
 Data File : BF116313.D  
 Acq On : 16 Aug 2019 11:05  
 Operator : HP/JU  
 Sample : PB122249BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122249BL

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-BF073019.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         | 2.151       | 5             | 11          | 24           | rVB      | 105450         | 166071        | 3.79%           | 0.491%        |
| 2         | 5.451       | 568           | 572         | 603          | rBV      | 3059247        | 3369899       | 76.97%          | 9.953%        |
| 3         | 6.463       | 739           | 744         | 762          | rBV      | 2967589        | 3483612       | 79.57%          | 10.289%       |
| 4         | 6.592       | 762           | 766         | 783          | rVB      | 3719130        | 3469582       | 79.25%          | 10.248%       |
| 5         | 6.816       | 801           | 804         | 821          | rVB      | 785305         | 768859        | 17.56%          | 2.271%        |
| 6         | 6.975       | 827           | 831         | 851          | rBV      | 2989782        | 2914069       | 66.56%          | 8.607%        |
| 7         | 7.381       | 896           | 900         | 926          | rBV      | 2211917        | 2370023       | 54.13%          | 7.000%        |
| 8         | 8.098       | 1019          | 1022        | 1046         | rBV      | 941271         | 966764        | 22.08%          | 2.855%        |
| 9         | 9.169       | 1200          | 1204        | 1221         | rBV      | 4010004        | 4270583       | 97.54%          | 12.614%       |
| 10        | 9.851       | 1316          | 1320        | 1339         | rBV      | 1066743        | 1145537       | 26.16%          | 3.384%        |
| 11        | 10.639      | 1450          | 1454        | 1474         | rBV      | 2296878        | 2583965       | 59.02%          | 7.632%        |
| 12        | 11.339      | 1569          | 1573        | 1594         | rBV      | 965546         | 1156587       | 26.42%          | 3.416%        |
| 13        | 12.915      | 1836          | 1841        | 1859         | rBV      | 4052940        | 4378296       | 100.00%         | 12.932%       |
| 14        | 13.980      | 2018          | 2022        | 2039         | rBV      | 741731         | 936187        | 21.38%          | 2.765%        |
| 15        | 14.427      | 2091          | 2098        | 2106         | rBV      | 46910          | 53439         | 1.22%           | 0.158%        |
| 16        | 14.727      | 2143          | 2149        | 2157         | rBV      | 109973         | 123311        | 2.82%           | 0.364%        |
| 17        | 15.051      | 2198          | 2204        | 2215         | rBV      | 174805         | 214590        | 4.90%           | 0.634%        |
| 18        | 15.421      | 2260          | 2267        | 2268         | rBV      | 213636         | 250871        | 5.73%           | 0.741%        |
| 19        | 15.445      | 2268          | 2271        | 2291         | rVB      | 446174         | 802646        | 18.33%          | 2.371%        |
| 20        | 15.839      | 2330          | 2338        | 2349         | rBV      | 160237         | 268051        | 6.12%           | 0.792%        |
| 21        | 16.327      | 2413          | 2421        | 2429         | rBV      | 85421          | 163606        | 3.74%           | 0.483%        |

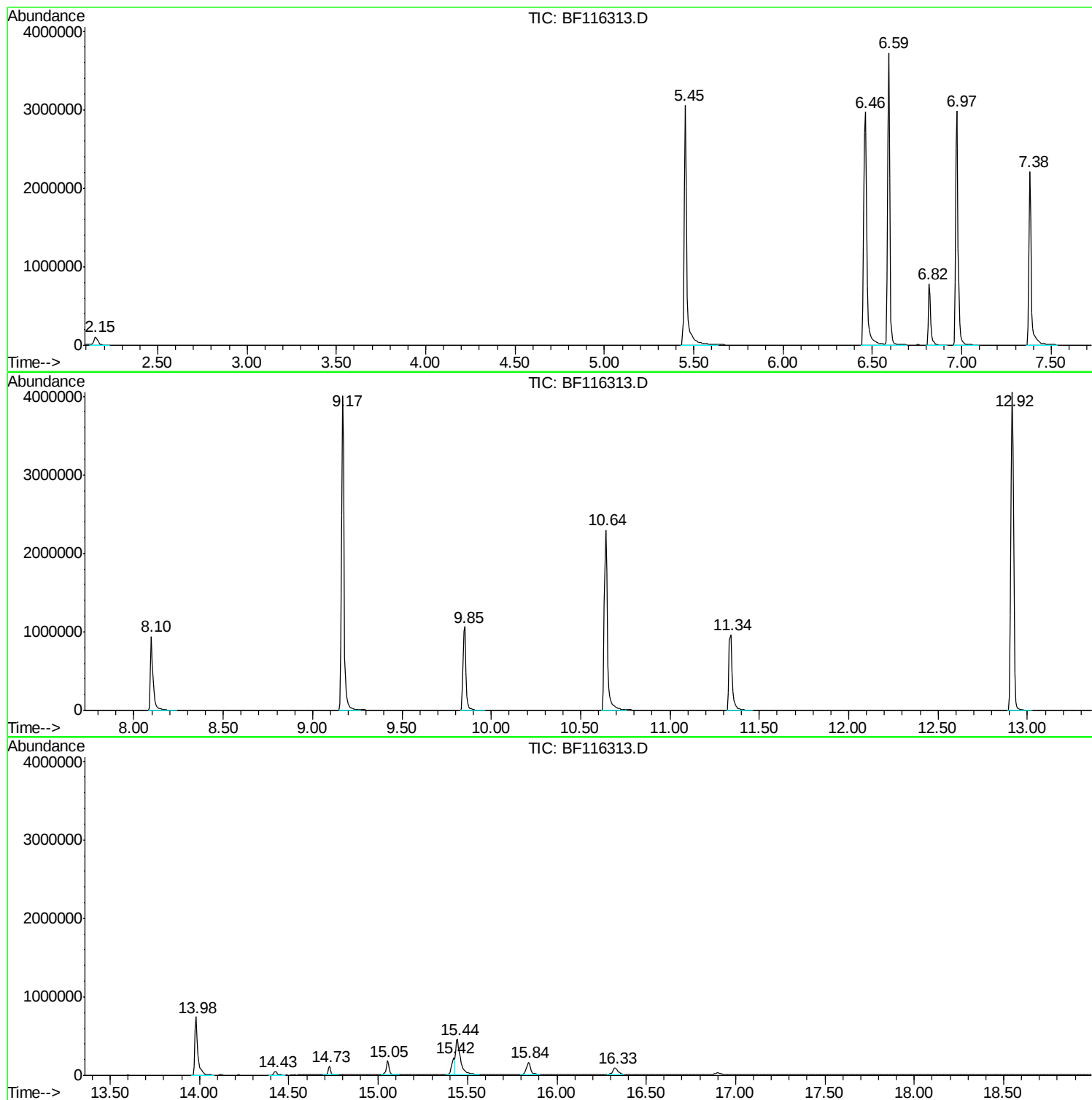
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Sample : PB122249BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB122249BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.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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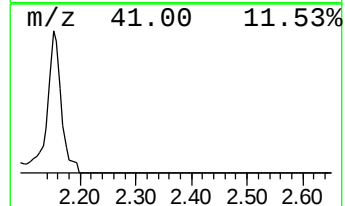
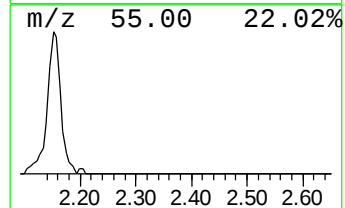
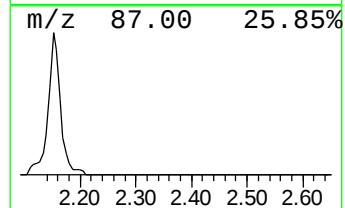
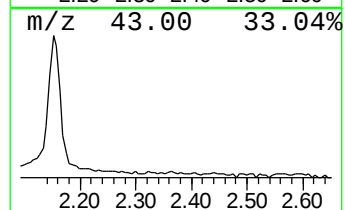
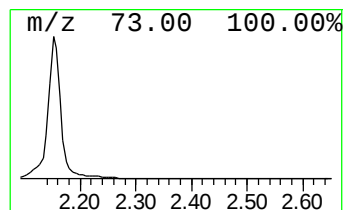
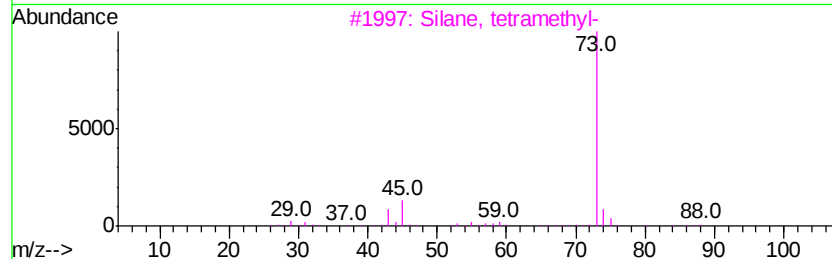
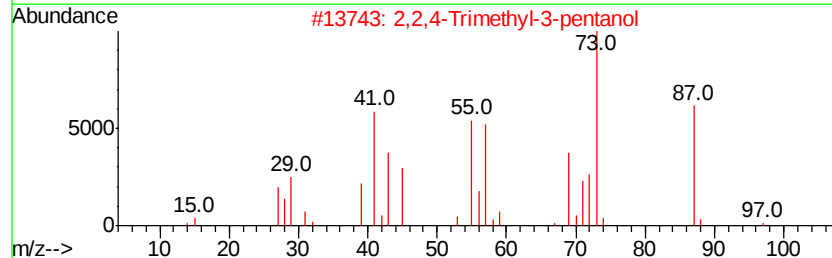
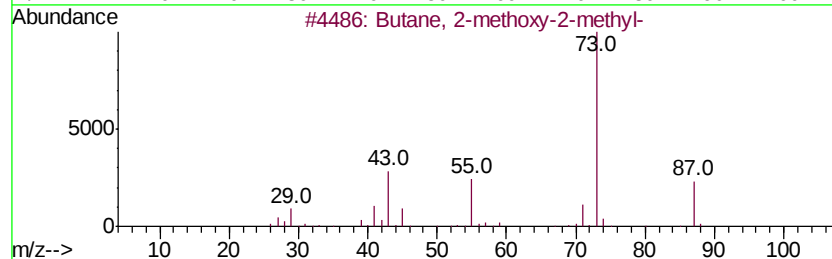
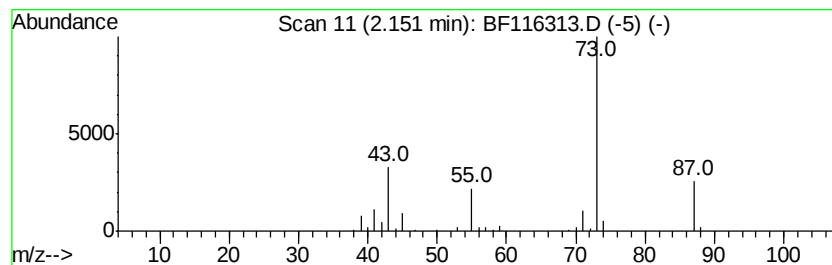
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.15 | 4.32 ng | 166071 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 64   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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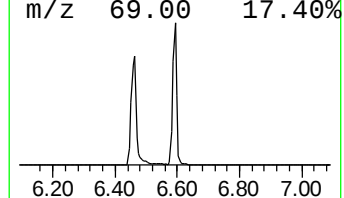
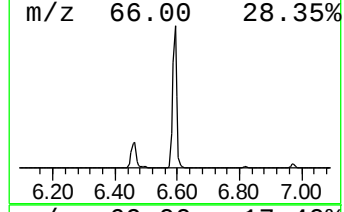
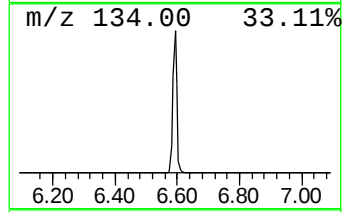
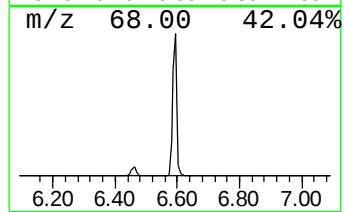
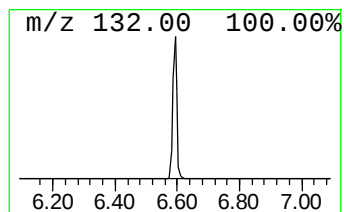
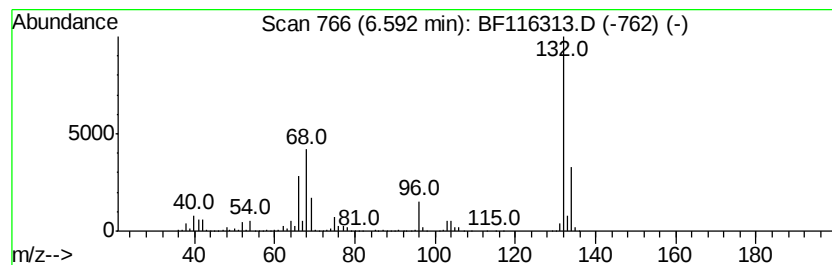
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.59 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.59 | 90.25 ng | 3469580 | 1,4-Dichlorobenzene-d4 | 6.82 |

| 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    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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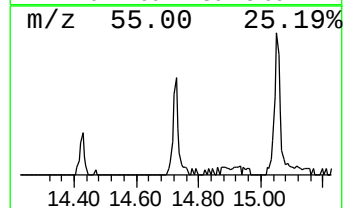
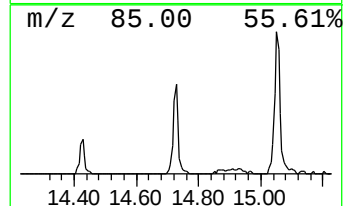
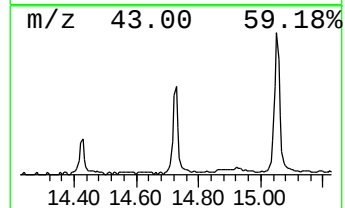
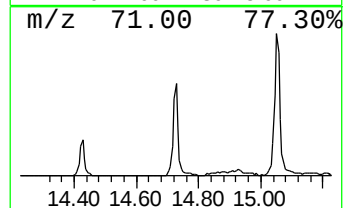
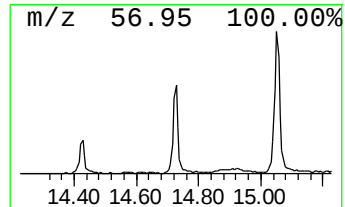
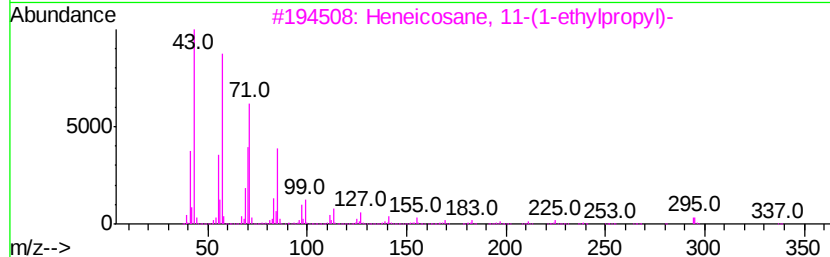
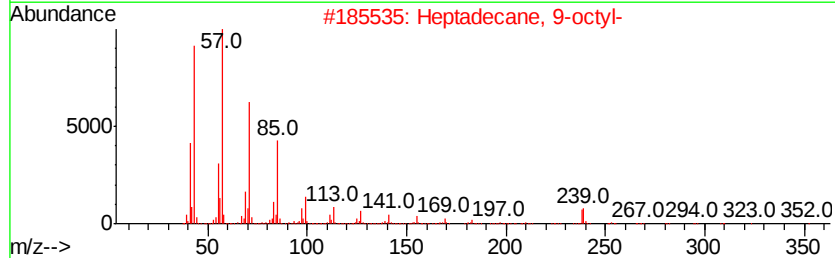
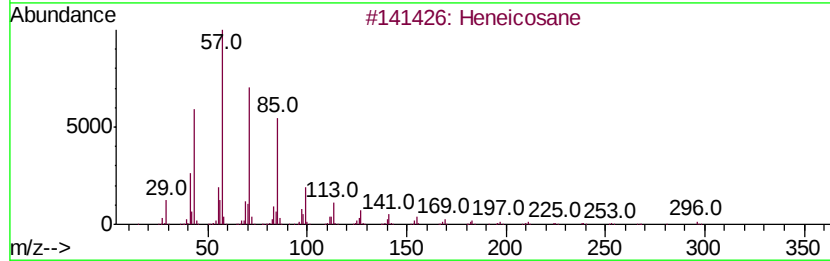
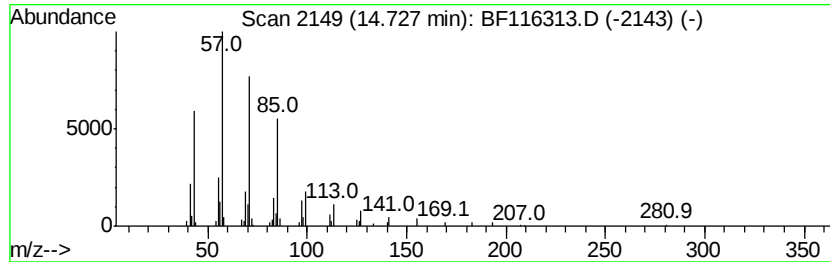
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heneicosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.73 | 3.07 ng | 123311 | Perylene-d12     | 15.44 |

| Hit# of | 5                                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane                      |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Heptadecane, 9-octyl-            |              | 352 | C25H52  | 007225-64-1 | 91   |
| 3       | Heneicosane, 11-(1-ethylpropyl)- |              | 366 | C26H54  | 055282-11-6 | 91   |
| 4       | Octacosane                       |              | 394 | C28H58  | 000630-02-4 | 91   |
| 5       | Heptacosane                      |              | 380 | C27H56  | 000593-49-7 | 91   |



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BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

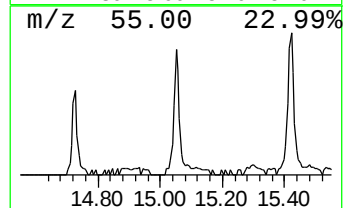
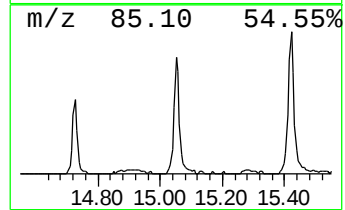
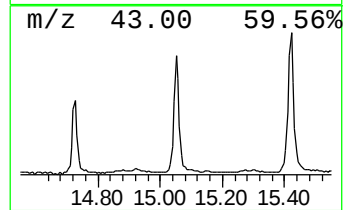
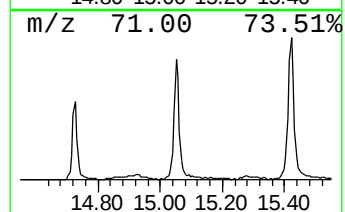
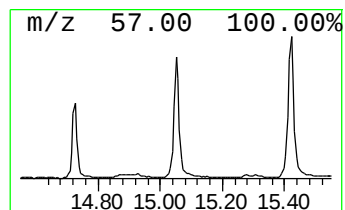
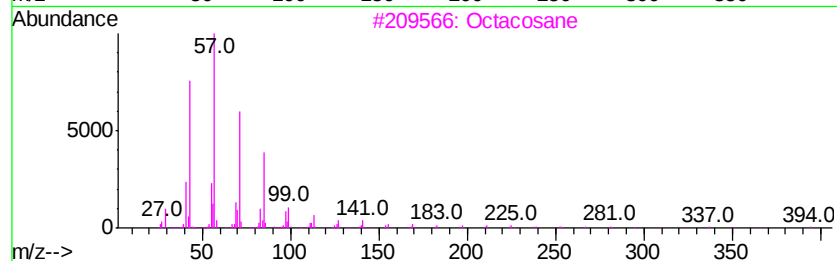
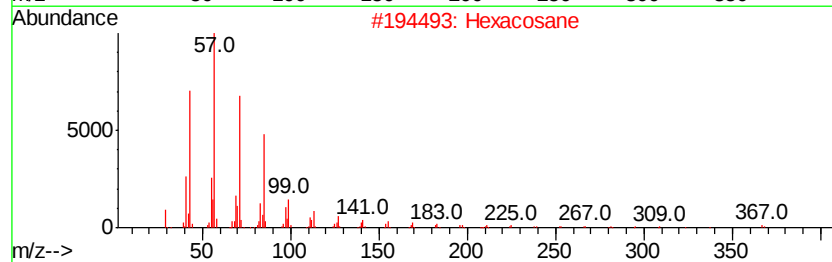
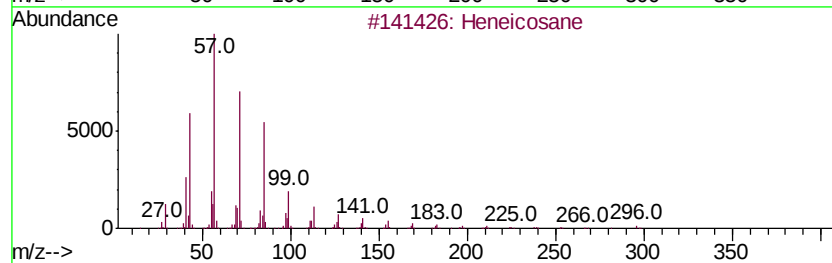
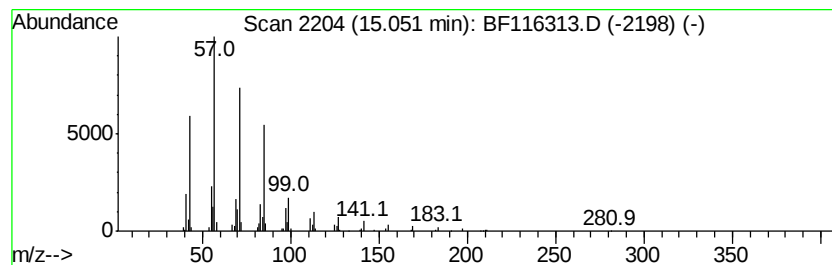
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexacosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.05 | 5.35 ng | 214590 | Perylene-d12     | 15.44 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|---------|---|--------------------|-----|---------|--------------|------|
| 1       |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 2       |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 3       |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 4       |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 5       |   | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |



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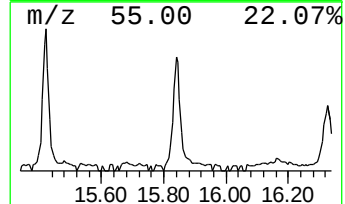
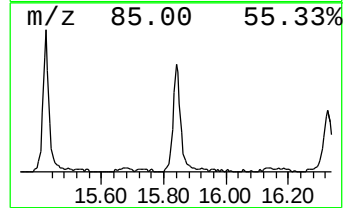
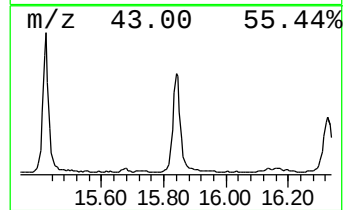
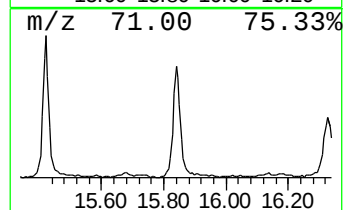
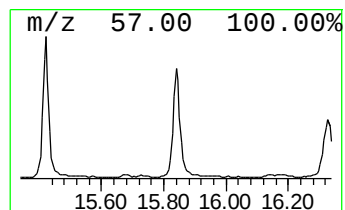
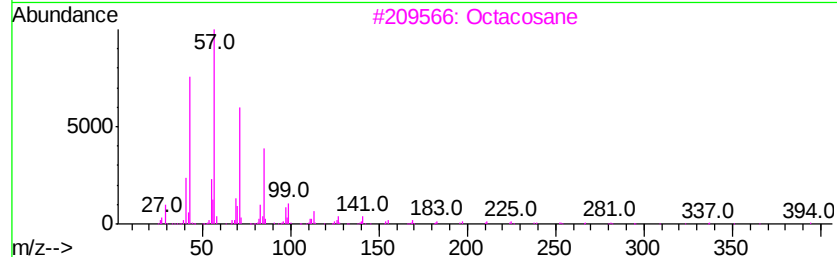
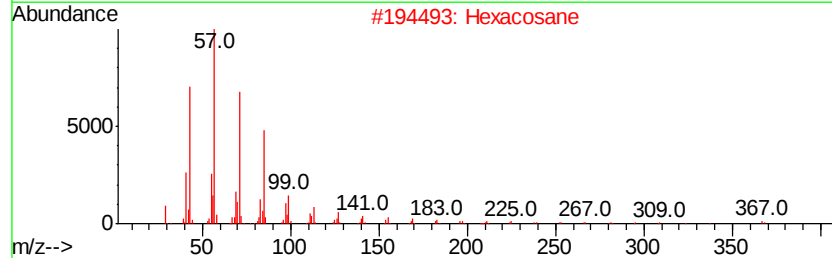
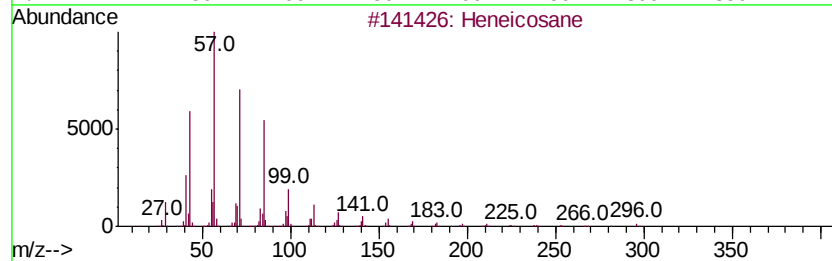
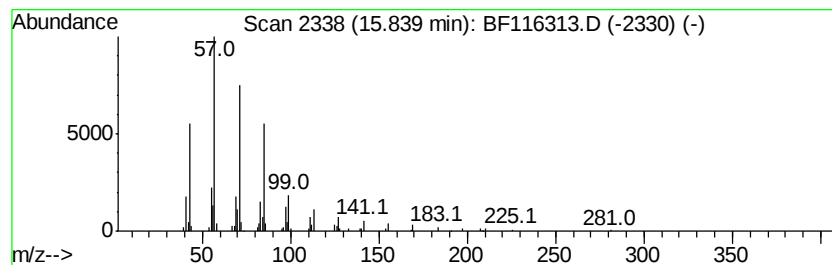
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octacosane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.84 | 6.68 ng | 268051 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane       | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Hexacosane        | 366 | C26H54  | 000630-01-3 | 91   |
| 3    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Heptacosane       | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 91   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

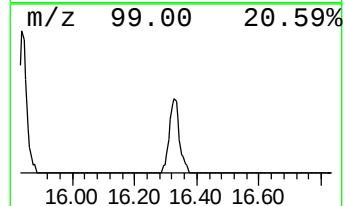
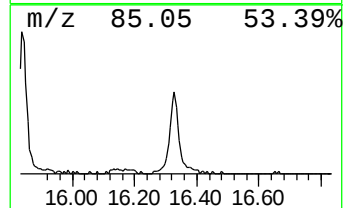
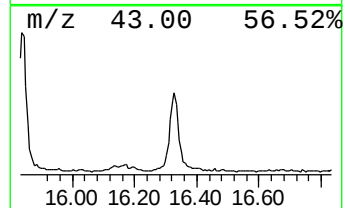
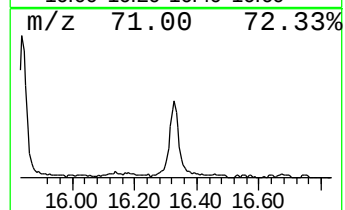
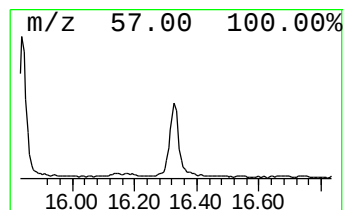
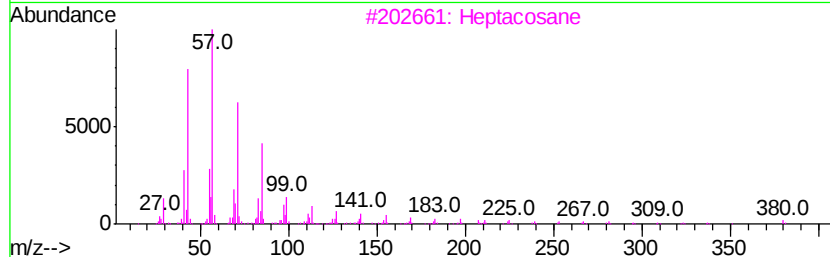
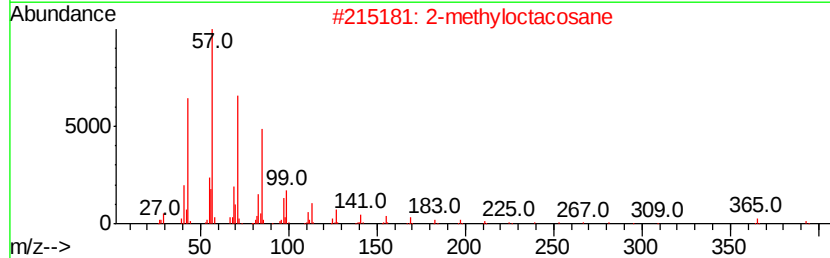
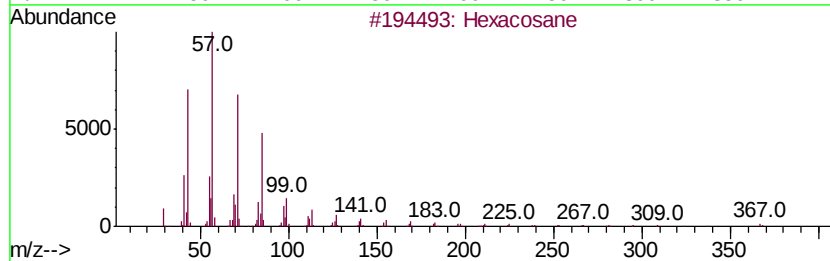
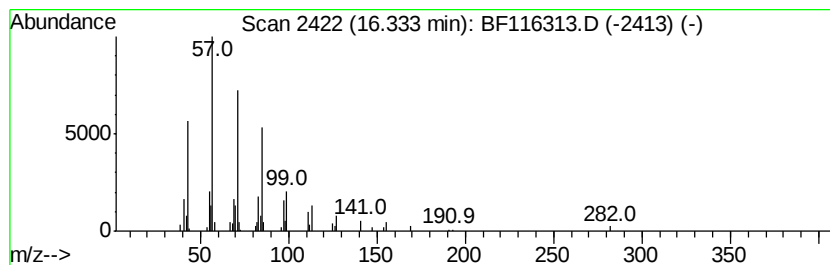
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Hentriacontane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.33 | 4.08 ng | 163606 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081619\  
Data File : BF116313.D  
Acq On : 16 Aug 2019 11:05  
Operator : HP/JU  
Sample : PB122249BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB122249BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Butane, 2-methoxy... | 2.15  | 4.3     | ng    | 166071   | 1                     | 6.82  | 768859 | 20.0 |
| unknown6.59          | 6.59  | 90.3    | ng    | 3469580  | 1                     | 6.82  | 768859 | 20.0 |
| Heneicosane          | 14.73 | 3.1     | ng    | 123311   | 6                     | 15.44 | 802646 | 20.0 |
| Hexacosane           | 15.05 | 5.3     | ng    | 214590   | 6                     | 15.44 | 802646 | 20.0 |
| Octacosane           | 15.84 | 6.7     | ng    | 268051   | 6                     | 15.44 | 802646 | 20.0 |
| Hentriacontane       | 16.33 | 4.1     | ng    | 163606   | 6                     | 15.44 | 802646 | 20.0 |