

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\  
 Data File : BF116147.D  
 Acq On : 10 Aug 2019 13:36  
 Operator : HP/JU  
 Sample : K4245-08  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-26

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         | 2.110       | 3             | 4           | 19           | rVB      | 1154461        | 1107568       | 27.69%          | 3.191%        |
| 2         | 5.463       | 570           | 574         | 601          | rBV      | 2761684        | 3222383       | 80.57%          | 9.285%        |
| 3         | 6.481       | 742           | 747         | 765          | rBV      | 2821128        | 3447885       | 86.21%          | 9.935%        |
| 4         | 6.610       | 765           | 769         | 779          | rVB      | 3340812        | 3360659       | 84.02%          | 9.683%        |
| 5         | 6.840       | 804           | 808         | 817          | rBV      | 860186         | 823594        | 20.59%          | 2.373%        |
| 6         | 6.993       | 830           | 834         | 853          | rBV      | 2940608        | 2698512       | 67.47%          | 7.775%        |
| 7         | 7.398       | 899           | 903         | 922          | rBV      | 1932942        | 2253192       | 56.34%          | 6.492%        |
| 8         | 8.116       | 1022          | 1025        | 1046         | rBV      | 1006020        | 1069256       | 26.73%          | 3.081%        |
| 9         | 9.192       | 1204          | 1208        | 1220         | rBV      | 4139959        | 3987073       | 99.69%          | 11.488%       |
| 10        | 9.586       | 1272          | 1275        | 1289         | rBV      | 237681         | 280324        | 7.01%           | 0.808%        |
| 11        | 9.869       | 1320          | 1323        | 1338         | rBV      | 1346832        | 1272385       | 31.81%          | 3.666%        |
| 12        | 10.663      | 1454          | 1458        | 1474         | rBV      | 2125742        | 2251242       | 56.29%          | 6.487%        |
| 13        | 11.357      | 1573          | 1576        | 1585         | rBV      | 1279187        | 1337351       | 33.44%          | 3.853%        |
| 14        | 11.880      | 1661          | 1665        | 1676         | rBV5     | 32745          | 89589         | 2.24%           | 0.258%        |
| 15        | 12.575      | 1780          | 1783        | 1793         | rBV      | 141031         | 162642        | 4.07%           | 0.469%        |
| 16        | 12.663      | 1795          | 1798        | 1808         | rBV      | 70427          | 141421        | 3.54%           | 0.407%        |
| 17        | 12.804      | 1816          | 1822        | 1829         | rVB      | 133043         | 153068        | 3.83%           | 0.441%        |
| 18        | 12.945      | 1841          | 1846        | 1849         | rBV      | 3732807        | 3999606       | 100.00%         | 11.524%       |
| 19        | 13.857      | 1994          | 2001        | 2016         | rBV5     | 110083         | 340131        | 8.50%           | 0.980%        |
| 20        | 13.998      | 2021          | 2025        | 2038         | rVB      | 917385         | 1110640       | 27.77%          | 3.200%        |
| 21        | 14.751      | 2150          | 2153        | 2157         | rVB      | 54444          | 55045         | 1.38%           | 0.159%        |
| 22        | 14.827      | 2163          | 2166        | 2169         | rBV      | 42914          | 42257         | 1.06%           | 0.122%        |
| 23        | 15.051      | 2200          | 2204        | 2207         | rBV      | 48739          | 78804         | 1.97%           | 0.227%        |
| 24        | 15.086      | 2207          | 2210        | 2219         | rVB2     | 89149          | 113494        | 2.84%           | 0.327%        |
| 25        | 15.416      | 2262          | 2266        | 2269         | rBV      | 35340          | 45315         | 1.13%           | 0.131%        |
| 26        | 15.468      | 2269          | 2275        | 2291         | rVB      | 647822         | 1013567       | 25.34%          | 2.920%        |
| 27        | 15.886      | 2341          | 2346        | 2351         | rBV      | 61612          | 92844         | 2.32%           | 0.268%        |
| 28        | 16.380      | 2425          | 2430        | 2435         | rBV      | 37656          | 65695         | 1.64%           | 0.189%        |
| 29        | 16.968      | 2524          | 2530        | 2538         | rVB2     | 36534          | 90446         | 2.26%           | 0.261%        |

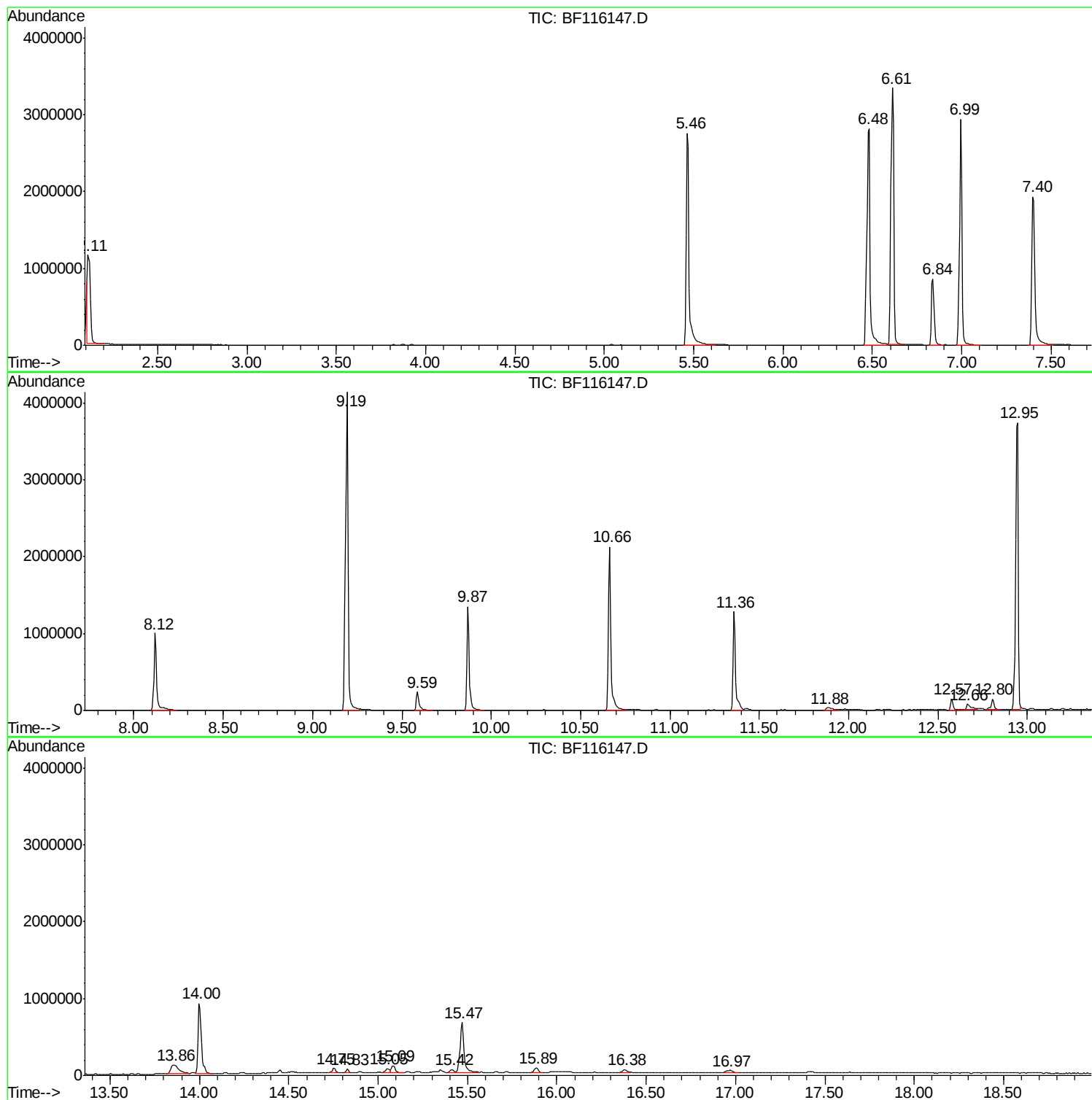
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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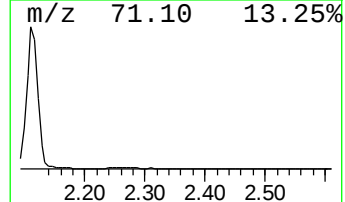
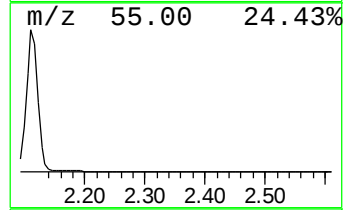
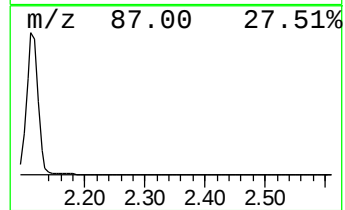
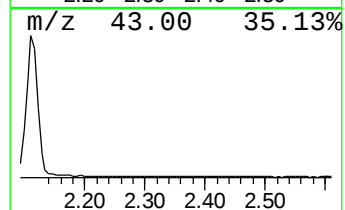
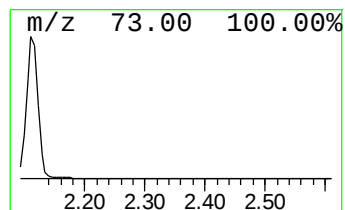
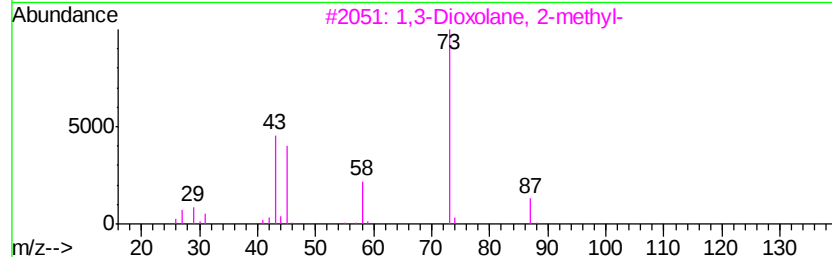
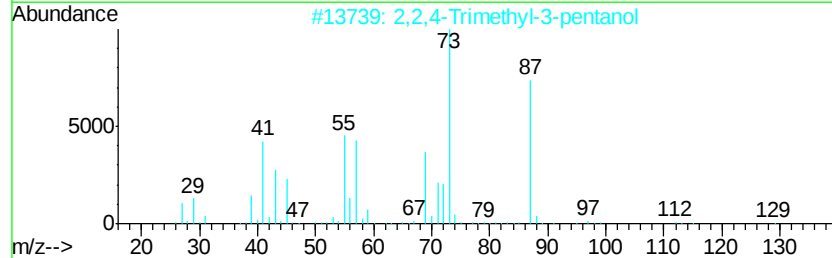
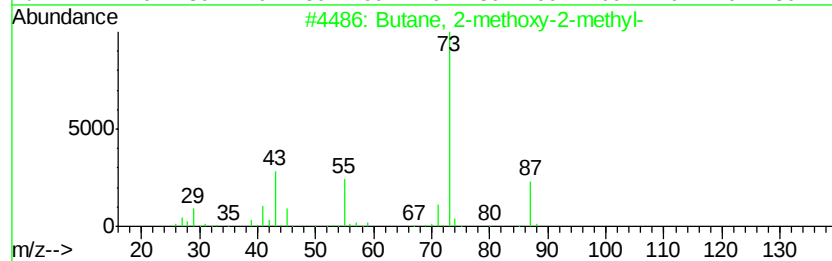
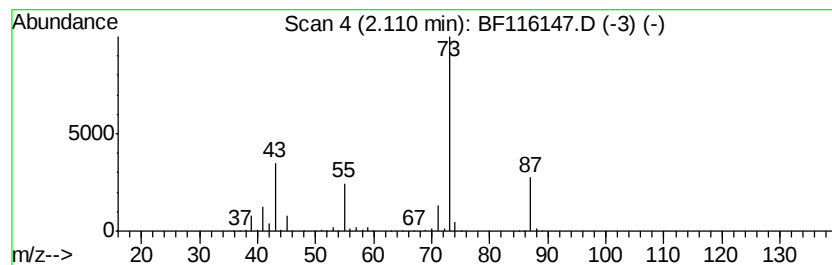
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.11 | 26.90 ng | 1107570 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |



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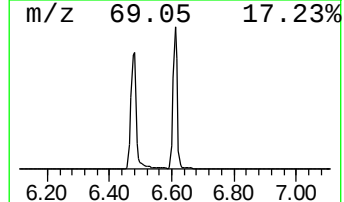
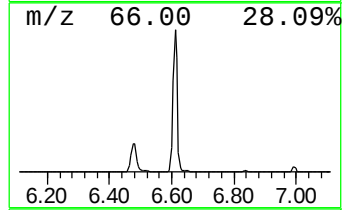
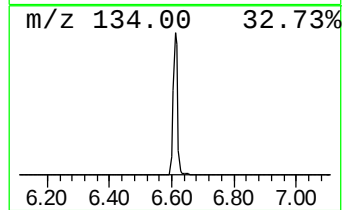
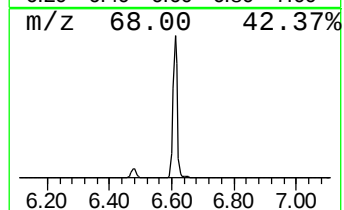
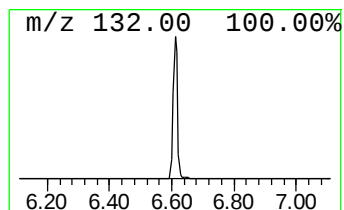
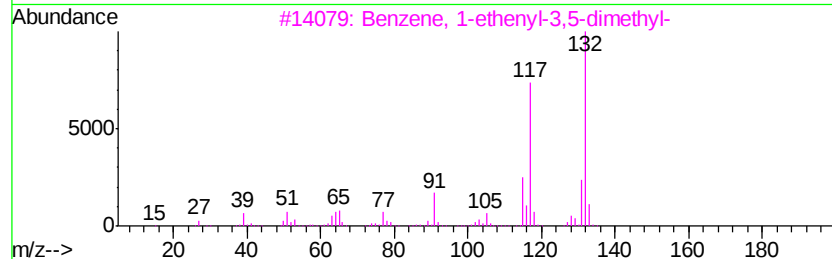
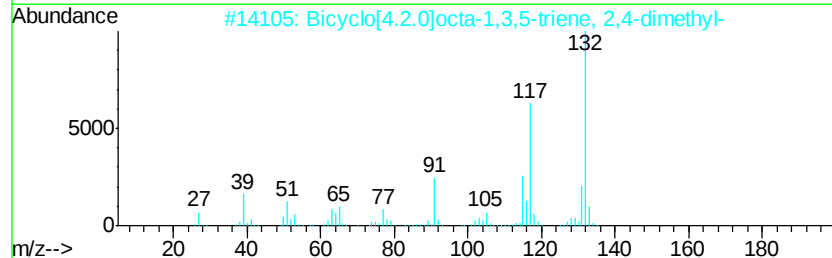
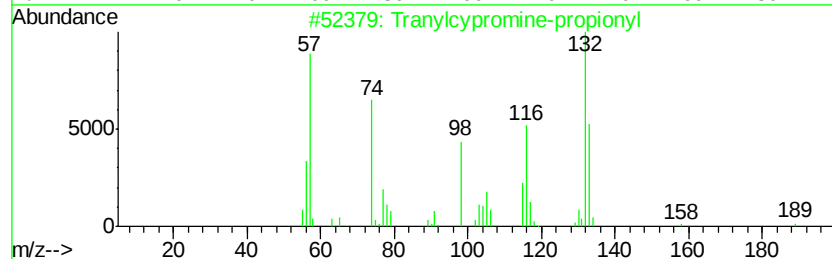
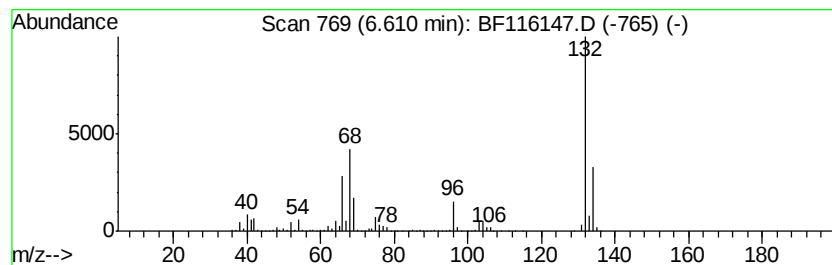
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.61 | 81.61 ng | 3360660 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Tranylcypromine-propionyl           | 189 | C12H15NO | 1000123-86-3 | 10   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12   | 028749-81-7  | 9    |
| 3    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12   | 005379-20-4  | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2   | 022291-85-6  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO  | 031357-76-3  | 9    |



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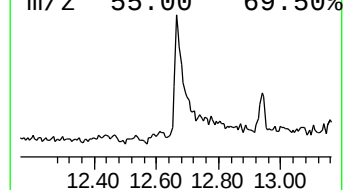
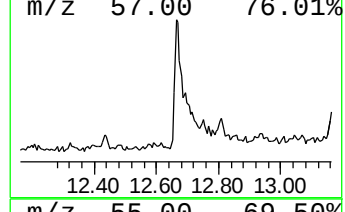
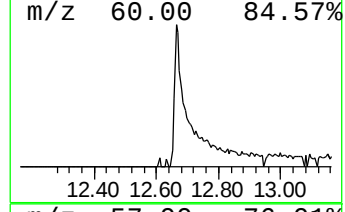
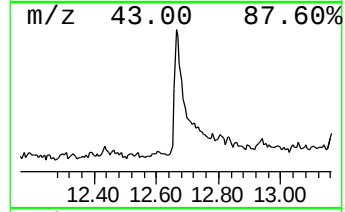
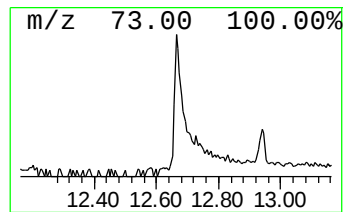
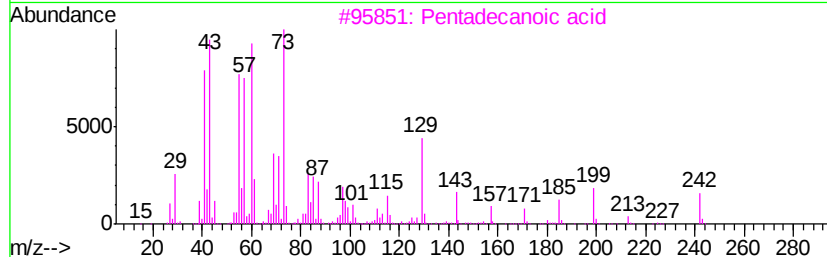
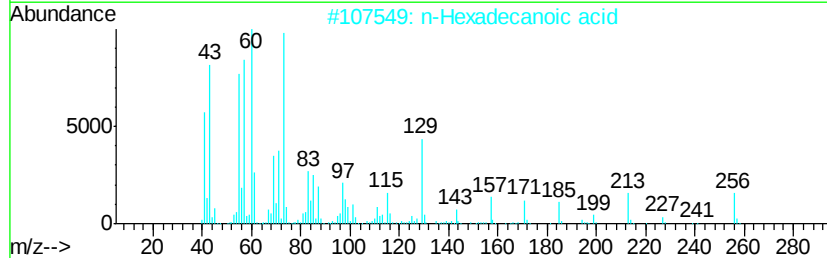
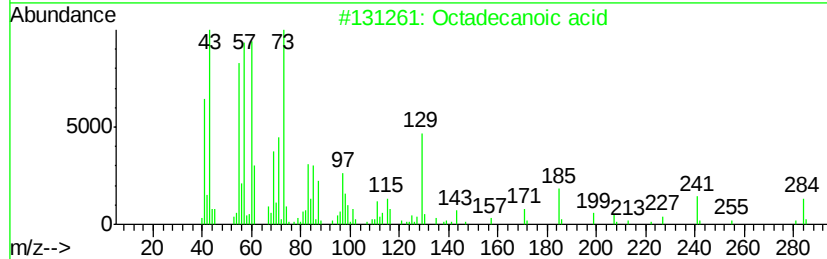
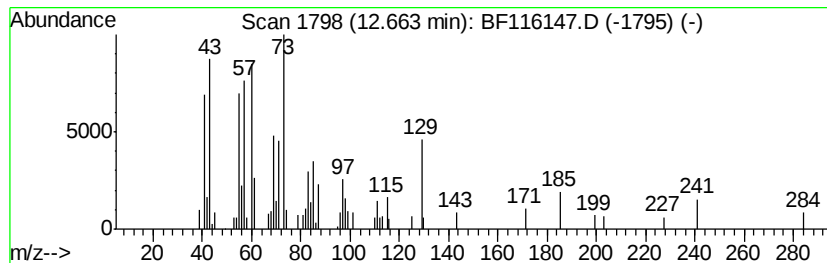
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.66 | 2.11 ng | 141421 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 3         | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 86   |
| 4         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5         | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 52   |



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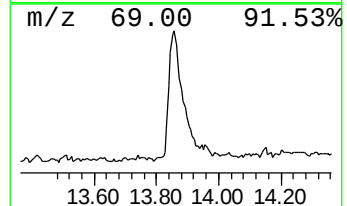
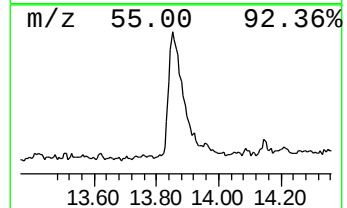
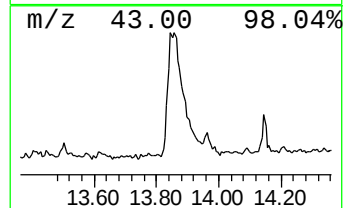
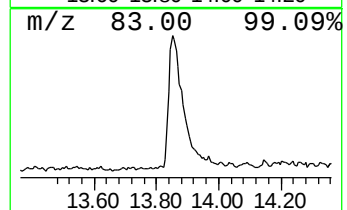
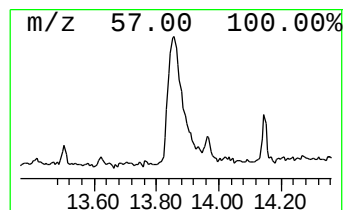
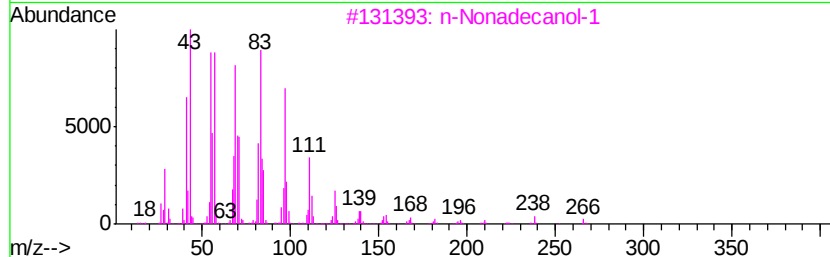
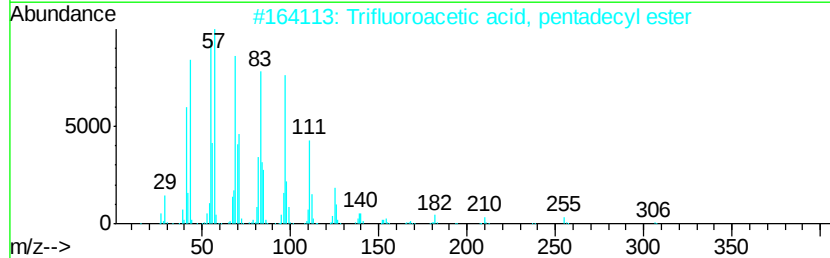
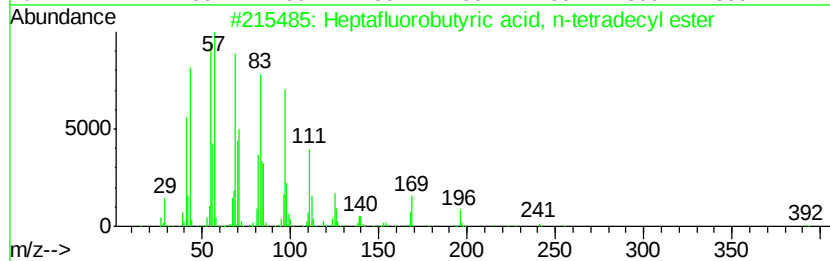
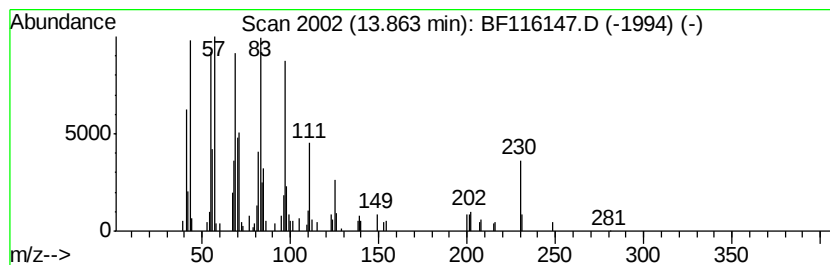
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Peak Number 5 Heptafluorobutyric acid, n-... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.86 | 6.12 ng | 340131 | Chrysene-d12     | 14.00 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 94   |
| 2       |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94   |
| 3       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 4       |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 94   |
| 5       |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 93   |



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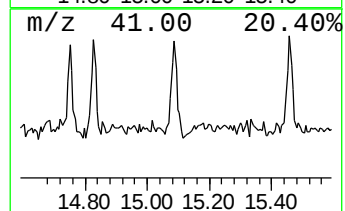
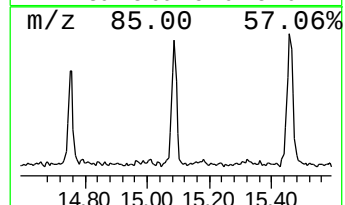
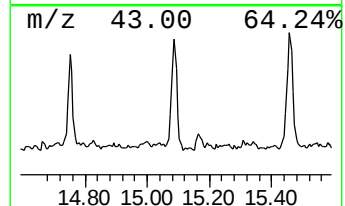
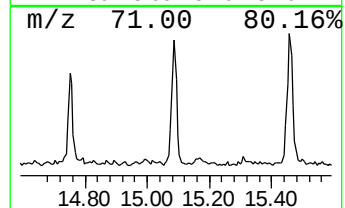
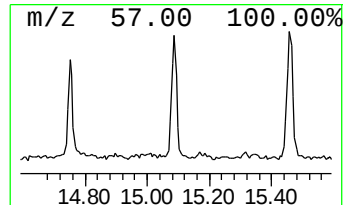
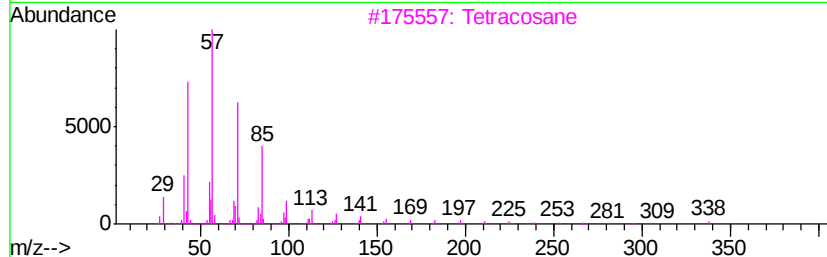
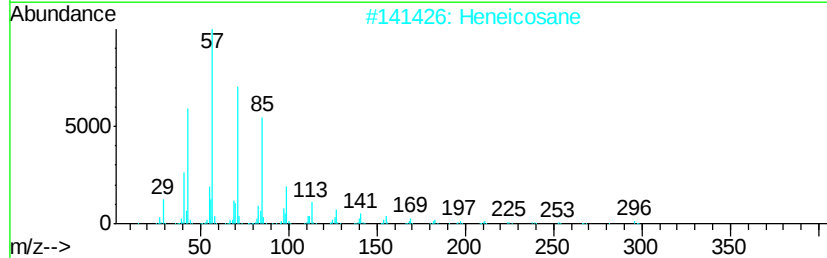
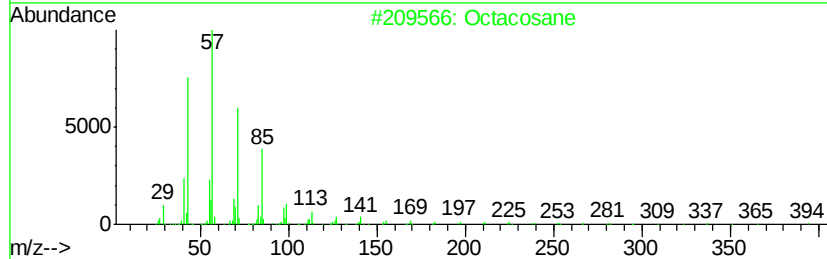
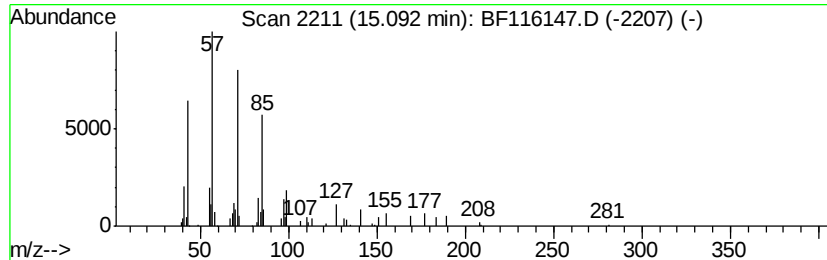
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Octacosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.09 | 2.24 ng | 113494 | Perylene-d12     | 15.47 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 91   |
| 2       | Heneicosane           |              | 296 | C21H44  | 000629-94-7 | 90   |
| 3       | Tetracosane           |              | 338 | C24H50  | 000646-31-1 | 90   |
| 4       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1 | 90   |
| 5       | triacontane           |              | 422 | C30H62  | 000638-68-6 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081019\  
Data File : BF116147.D  
Acq On : 10 Aug 2019 13:36  
Operator : HP/JU  
Sample : K4245-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-26

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... | 2.11  | 26.9    | ng    | 1107570  | 1                     | 6.84  | 823594  | 20.0 |
| unknown6.61          | 6.61  | 81.6    | ng    | 3360660  | 1                     | 6.84  | 823594  | 20.0 |
| Octadecanoic acid    | 12.66 | 2.1     | ng    | 141421   | 4                     | 11.36 | 1337350 | 20.0 |
| Heptafluorobutyri... | 13.86 | 6.1     | ng    | 340131   | 5                     | 14.00 | 1110640 | 20.0 |
| Octacosane           | 15.09 | 2.2     | ng    | 113494   | 6                     | 15.47 | 1013570 | 20.0 |