

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090418\  
 Data File : BF108754.D  
 Acq On : 4 Sep 2018 21:16  
 Operator : JU/SJ  
 Sample : J4748-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-10

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-BF083018.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         | 5.225       | 488           | 491         | 496          | rBV      | 26890          | 33738         | 1.82%           | 0.277%        |
| 2         | 5.625       | 555           | 559         | 587          | rBV      | 247599         | 795885        | 42.93%          | 6.529%        |
| 3         | 6.625       | 725           | 729         | 749          | rBV      | 326784         | 990582        | 53.43%          | 8.127%        |
| 4         | 6.760       | 749           | 752         | 779          | rVB      | 703988         | 1291791       | 69.67%          | 10.598%       |
| 5         | 6.995       | 788           | 792         | 813          | rVV      | 132168         | 343673        | 18.54%          | 2.819%        |
| 6         | 7.142       | 814           | 817         | 850          | rVB      | 608109         | 949244        | 51.20%          | 7.788%        |
| 7         | 7.560       | 884           | 888         | 909          | rBV      | 197447         | 635952        | 34.30%          | 5.217%        |
| 8         | 8.272       | 1006          | 1009        | 1028         | rBV      | 204982         | 415417        | 22.41%          | 3.408%        |
| 9         | 9.342       | 1188          | 1191        | 1219         | rBV      | 1093198        | 1444031       | 77.88%          | 11.847%       |
| 10        | 9.736       | 1254          | 1258        | 1277         | rBV      | 163958         | 209479        | 11.30%          | 1.719%        |
| 11        | 10.030      | 1304          | 1308        | 1327         | rBV      | 438002         | 503595        | 27.16%          | 4.131%        |
| 12        | 10.830      | 1440          | 1444        | 1472         | rBV      | 534758         | 987478        | 53.26%          | 8.101%        |
| 13        | 11.530      | 1559          | 1563        | 1584         | rBV      | 344613         | 564506        | 30.45%          | 4.631%        |
| 14        | 13.113      | 1828          | 1832        | 1852         | rBV      | 1594375        | 1854077       | 100.00%         | 15.211%       |
| 15        | 14.042      | 1984          | 1990        | 1997         | rBV6     | 21432          | 59195         | 3.19%           | 0.486%        |
| 16        | 14.183      | 2010          | 2014        | 2024         | rBV      | 354853         | 527439        | 28.45%          | 4.327%        |
| 17        | 14.301      | 2031          | 2034        | 2038         | rVB2     | 22838          | 20947         | 1.13%           | 0.172%        |
| 18        | 14.607      | 2083          | 2086        | 2090         | rVB      | 25846          | 31124         | 1.68%           | 0.255%        |
| 19        | 14.712      | 2102          | 2104        | 2109         | rBV6     | 13412          | 21793         | 1.18%           | 0.179%        |
| 20        | 14.924      | 2137          | 2140        | 2146         | rBV      | 35658          | 50246         | 2.71%           | 0.412%        |
| 21        | 15.283      | 2199          | 2201        | 2207         | rVB      | 38650          | 50957         | 2.75%           | 0.418%        |
| 22        | 15.689      | 2267          | 2270        | 2273         | rBV      | 30165          | 36372         | 1.96%           | 0.298%        |
| 23        | 15.742      | 2273          | 2279        | 2288         | rBV      | 172792         | 315058        | 16.99%          | 2.585%        |
| 24        | 16.154      | 2346          | 2349        | 2357         | rVB3     | 31108          | 56674         | 3.06%           | 0.465%        |

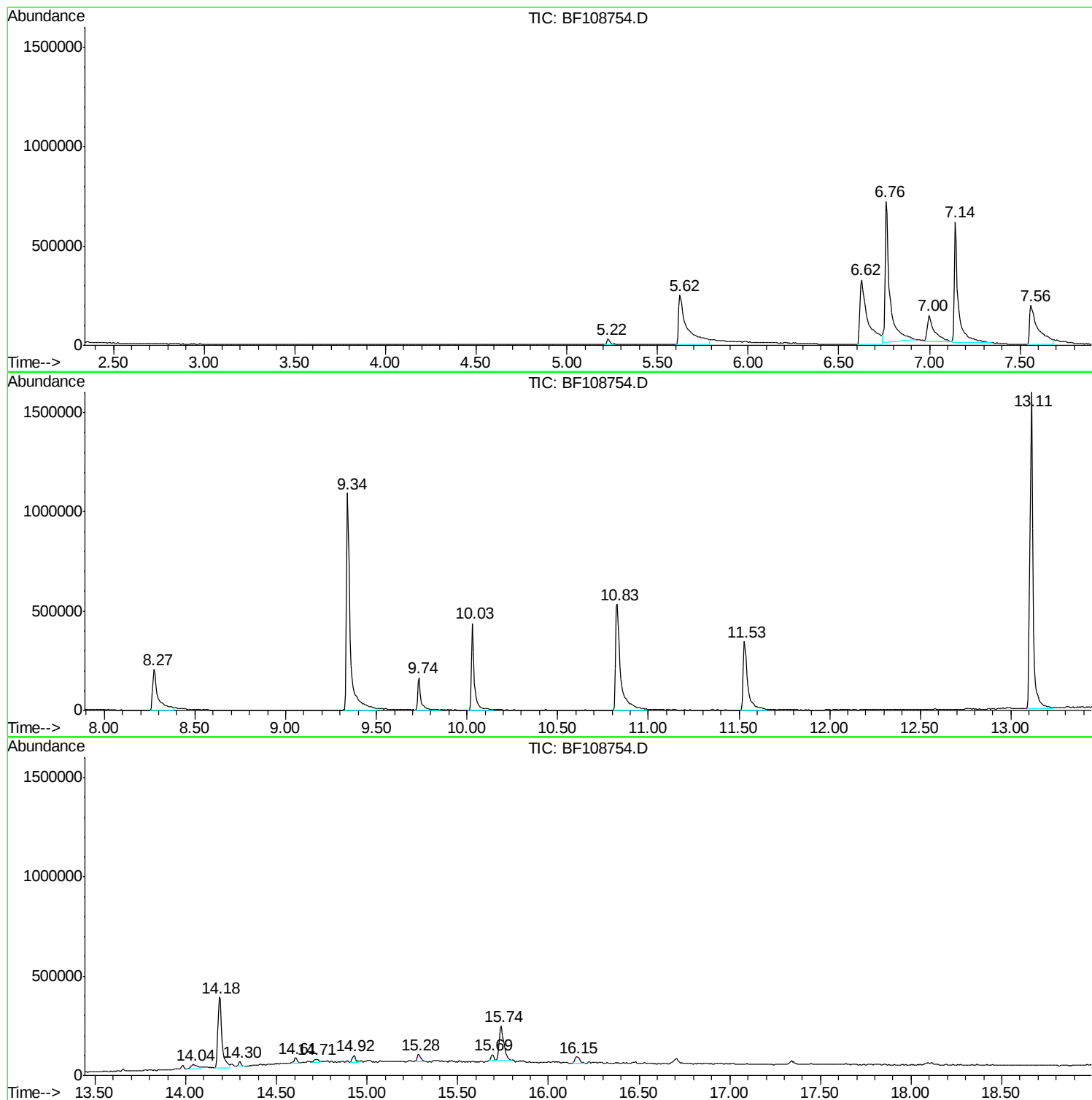
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF083018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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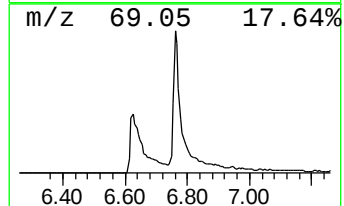
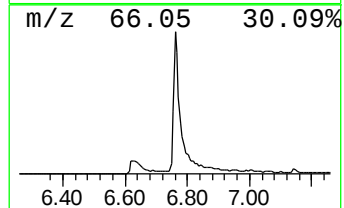
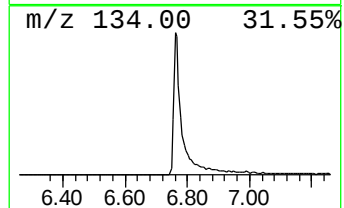
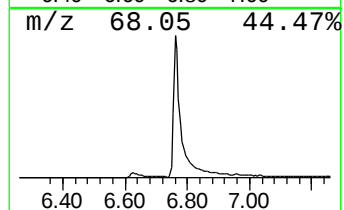
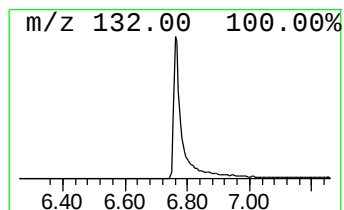
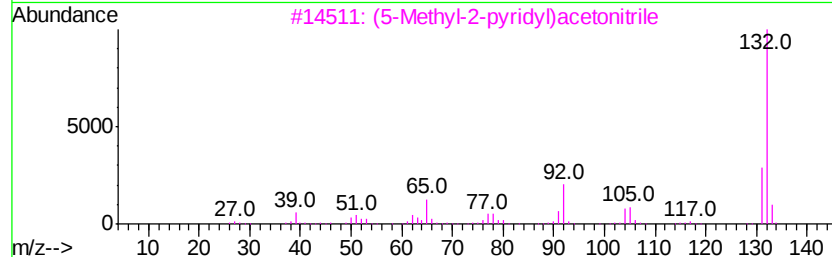
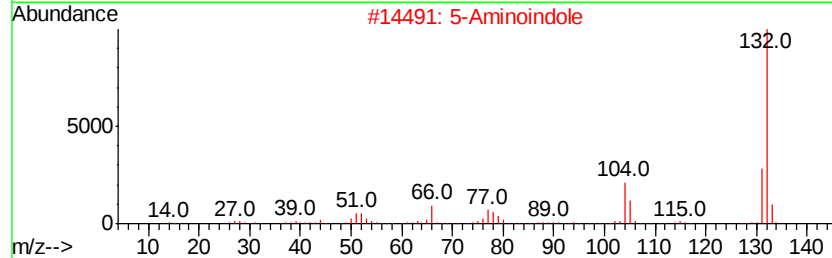
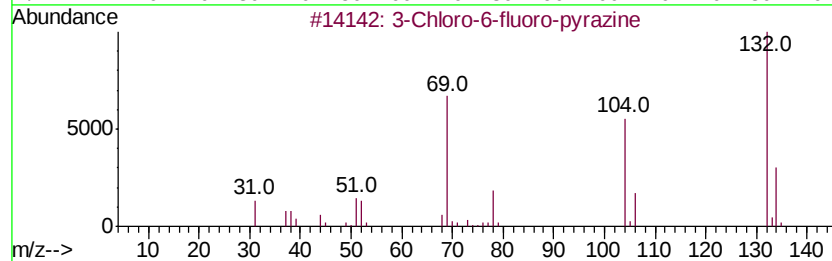
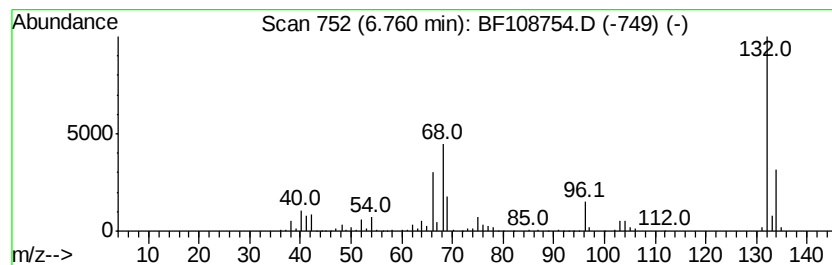
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.76 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.76 | 75.18 ng | 1291790 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# | of                               | 5                        | Tentative ID | MW           | MolForm      | CAS# | Qual |
|------|----------------------------------|--------------------------|--------------|--------------|--------------|------|------|
| 1    | 3                                | Chloro-6-fluoro-pyrazine | 132          | C4H2ClFN2    | 1000146-10-7 | 35   |      |
| 2    | 5                                | Aminoindole              | 132          | C8H8N2       | 005192-03-0  | 12   |      |
| 3    | (5-Methyl-2-pyridyl)acetonitrile | 132                      | C8H8N2       | 1000241-93-9 | 10           |      |      |
| 4    | 1,3,5-Trifluorobenzene           | 132                      | C6H3F3       | 000372-38-3  | 9            |      |      |
| 5    | 1,2,3-Trifluorobenzene           | 132                      | C6H3F3       | 001489-53-8  | 9            |      |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M  
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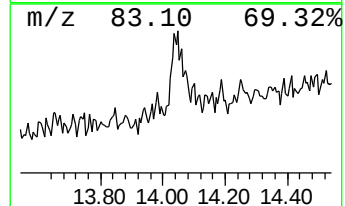
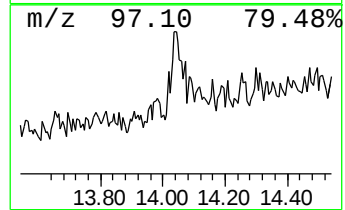
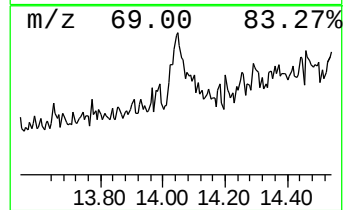
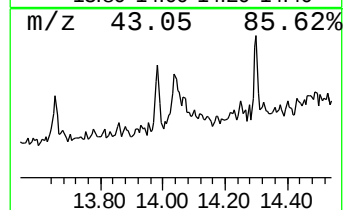
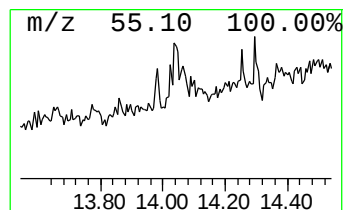
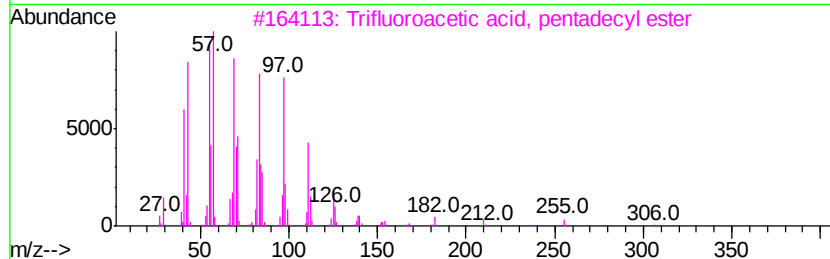
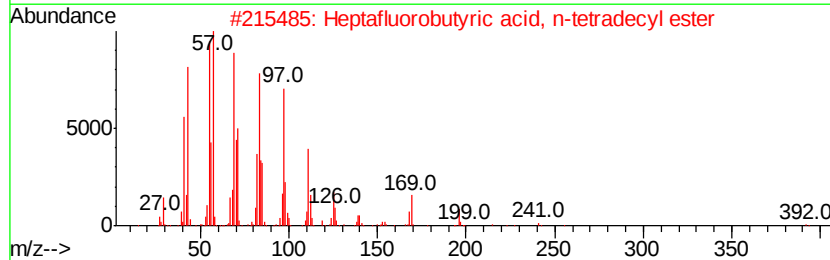
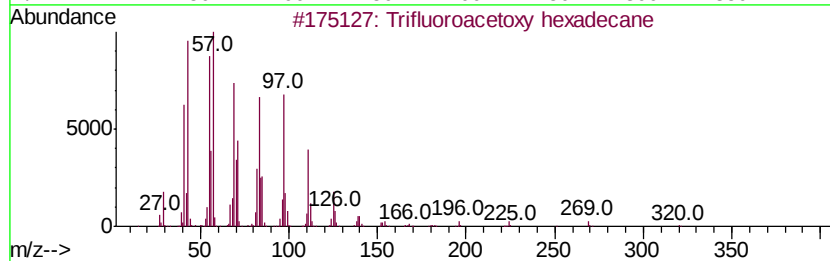
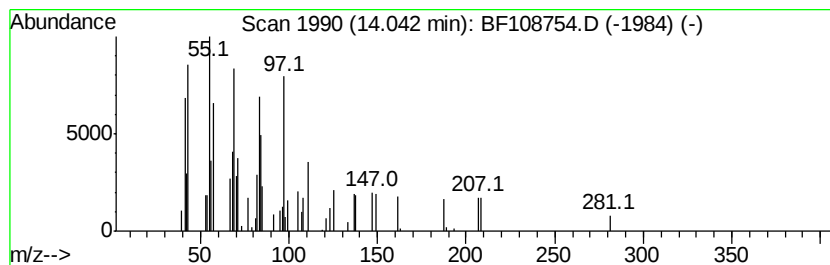
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Trifluoroacetoxy hexadecane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.04 | 2.24 ng | 59195 | Chrysene-d12     | 14.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 62   |
| 2    |    | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 46   |
| 3    |    | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 46   |
| 4    |    | Tetradecyl trifluoroacetate         | 310 | C16H29F3O2 | 006222-02-2 | 46   |
| 5    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 45   |



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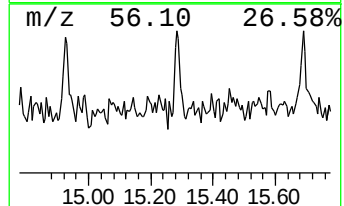
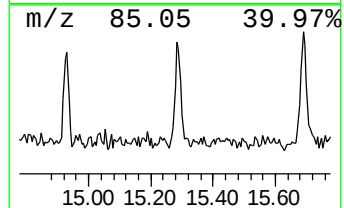
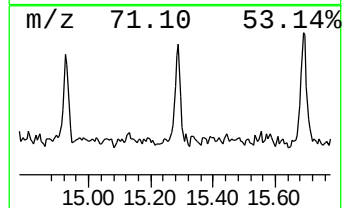
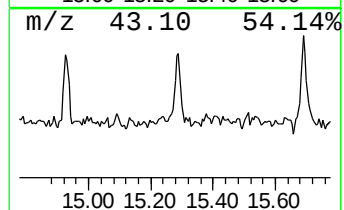
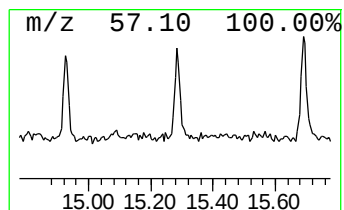
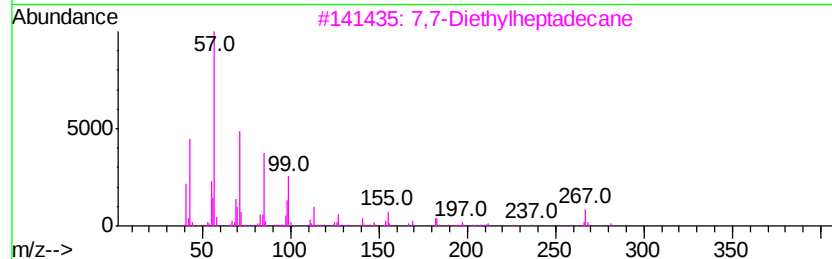
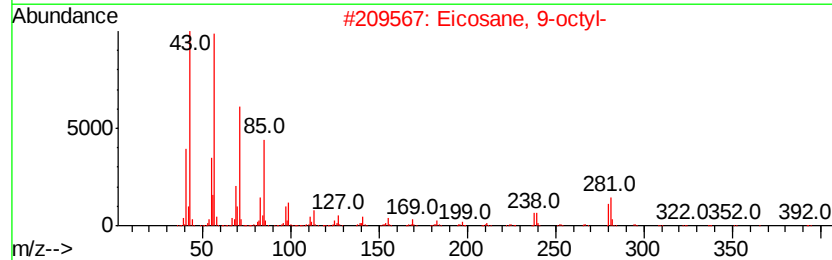
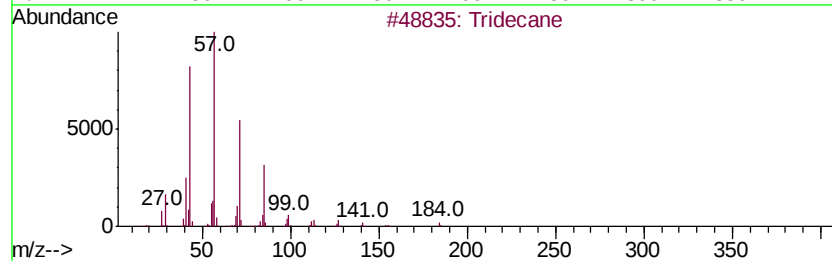
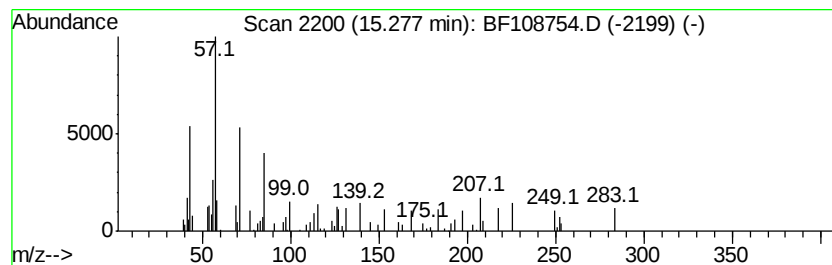
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tridecane Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.28 | 3.23 ng | 50957 | Perylene-d12     | 15.74 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|------------------------|--------------|-----|---------|--------------|------|
| 1       | Tridecane              |              | 184 | C13H28  | 000629-50-5  | 72   |
| 2       | Eicosane, 9-octyl-     |              | 394 | C28H58  | 013475-77-9  | 72   |
| 3       | 7,7-Diethylheptadecane |              | 296 | C21H44  | 1000360-41-5 | 64   |
| 4       | Hentriacontane         |              | 437 | C31H64  | 000630-04-6  | 64   |
| 5       | Eicosane, 2-methyl-    |              | 296 | C21H44  | 001560-84-5  | 64   |



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ALS Vial : 22 Sample Multiplier: 1

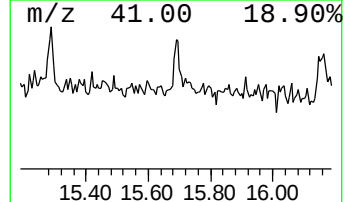
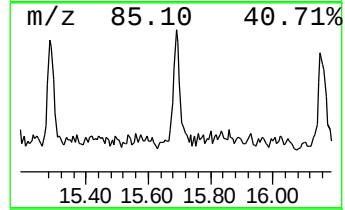
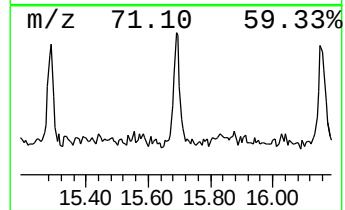
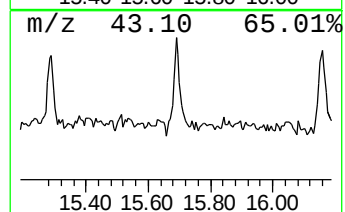
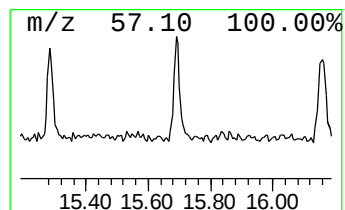
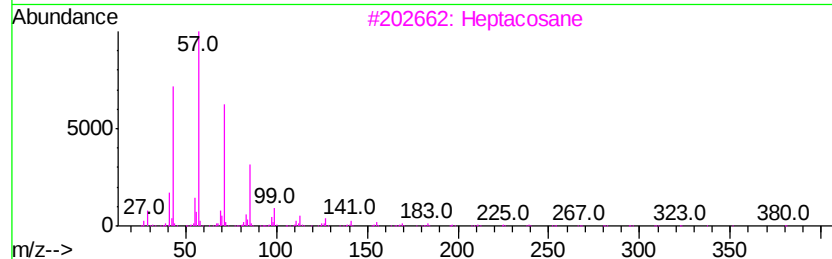
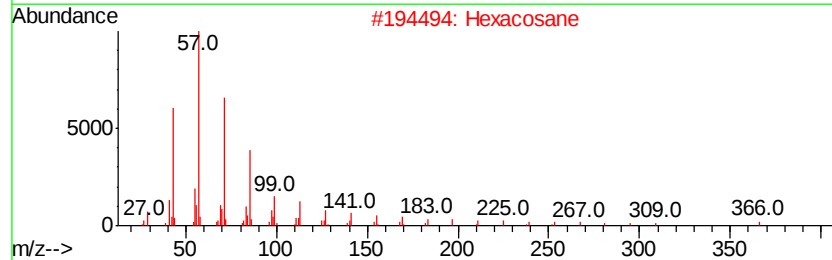
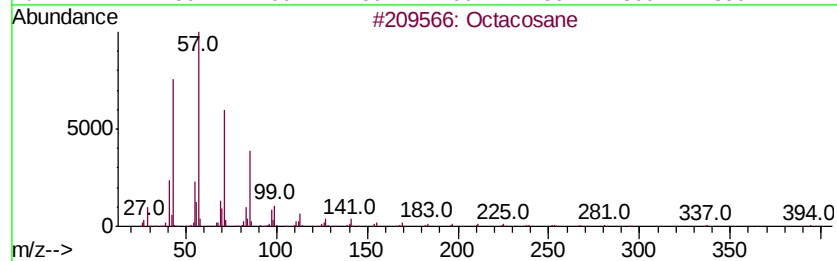
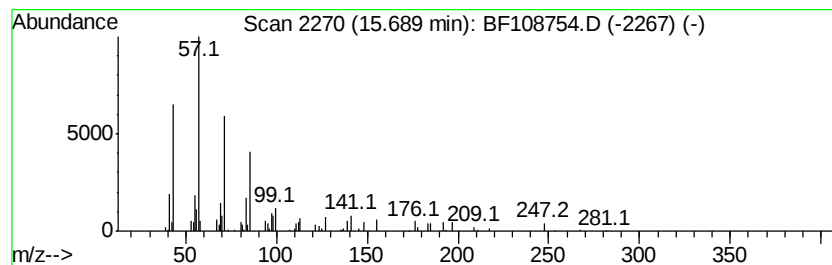
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ClientSampleId :  
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Octacosane Concentration Rank 5

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.           |
|---------|-----------------------|--------------|------------------|----------------|
| 15.69   | 2.31 ng               | 36372        | Perylene-d12     | 15.74          |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Octacosane            | 394          | C28H58           | 000630-02-4 83 |
| 2       | Hexacosane            | 366          | C26H54           | 000630-01-3 83 |
| 3       | Heptacosane           | 380          | C27H56           | 000593-49-7 80 |
| 4       | Heptadecane, 9-octyl- | 352          | C25H52           | 007225-64-1 80 |
| 5       | Hexatriacontane       | 507          | C36H74           | 000630-06-8 72 |



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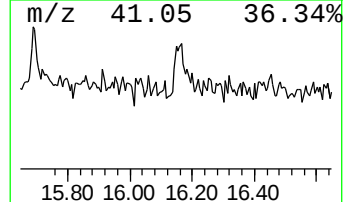
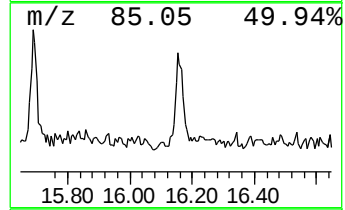
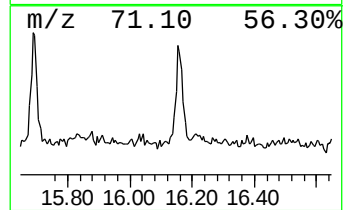
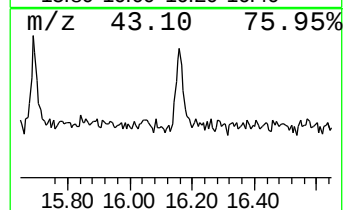
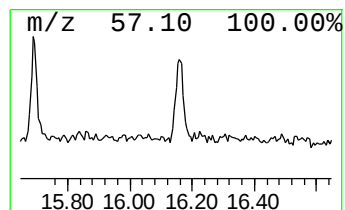
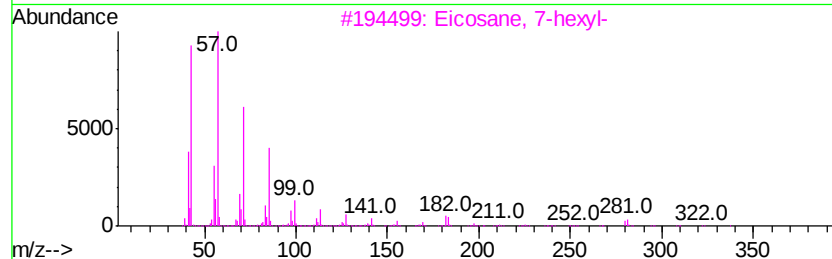
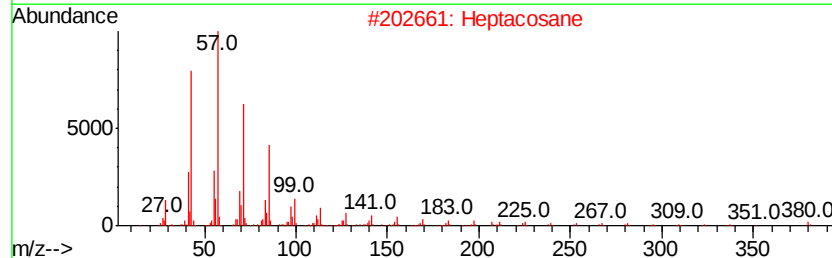
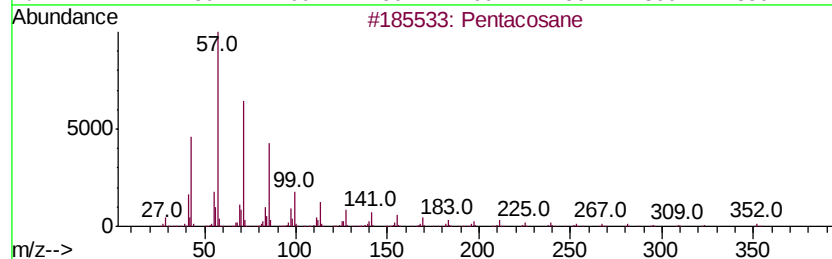
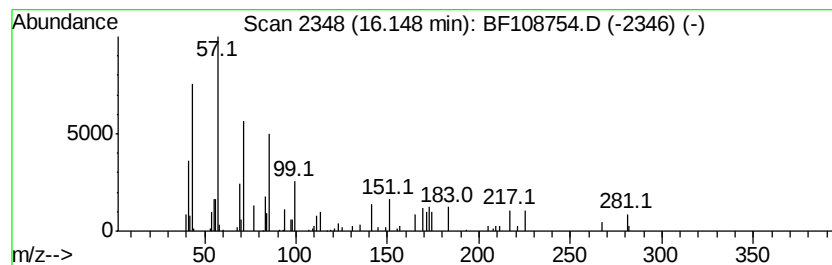
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 Pentacosane Concentration Rank 3

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.15 | 3.60 ng | 56674 | Perylene-d12     | 15.74 |

| Hit# of | 5                                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Pentacosane                        |              | 352 | C25H52  | 000629-99-2 | 83   |
| 2       | Heptacosane                        |              | 380 | C27H56  | 000593-49-7 | 81   |
| 3       | Eicosane, 7-hexyl-                 |              | 366 | C26H54  | 055333-99-8 | 80   |
| 4       | Hexadecane, 2,6,10,14-tetramethyl- |              | 282 | C20H42  | 000638-36-8 | 74   |
| 5       | Hexacosane                         |              | 366 | C26H54  | 000630-01-3 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090418\  
Data File : BF108754.D  
Acq On : 4 Sep 2018 21:16  
Operator : JU/SJ  
Sample : J4748-02  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF083018.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 |
| unknown6.76          | 6.76  | 75.2    | ng    | 1291790  | 1                     | 7.00  | 343673 | 20.0 |
| Trifluoroacetoxy ... | 14.04 | 2.2     | ng    | 59195    | 5                     | 14.18 | 527439 | 20.0 |
| Tridecane            | 15.28 | 3.2     | ng    | 50957    | 6                     | 15.74 | 315058 | 20.0 |
| Octacosane           | 15.69 | 2.3     | ng    | 36372    | 6                     | 15.74 | 315058 | 20.0 |
| Pentacosane          | 16.15 | 3.6     | ng    | 56674    | 6                     | 15.74 | 315058 | 20.0 |