

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
 Data File : BF118409.D  
 Acq On : 31 Dec 2019 17:02  
 Operator : JU  
 Sample : K6465-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-4-(3-5)

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-BF122419.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         | 5.057       | 501           | 505         | 516          | rBV      | 171929         | 207154        | 8.54%           | 1.030%        |
| 2         | 5.475       | 572           | 576         | 592          | rBV      | 1140406        | 1214585       | 50.09%          | 6.039%        |
| 3         | 6.492       | 744           | 749         | 762          | rBV      | 1303907        | 1418541       | 58.50%          | 7.053%        |
| 4         | 6.622       | 767           | 771         | 775          | rBV      | 1882151        | 1714401       | 70.70%          | 8.524%        |
| 5         | 6.851       | 807           | 810         | 818          | rBV      | 581566         | 464718        | 19.17%          | 2.311%        |
| 6         | 7.010       | 833           | 837         | 849          | rBV      | 1609751        | 1430888       | 59.01%          | 7.114%        |
| 7         | 7.416       | 902           | 906         | 920          | rBV      | 1028195        | 1064985       | 43.92%          | 5.295%        |
| 8         | 8.139       | 1025          | 1029        | 1053         | rBV      | 625426         | 626144        | 25.82%          | 3.113%        |
| 9         | 9.216       | 1208          | 1212        | 1224         | rBV      | 2488320        | 2212579       | 91.25%          | 11.001%       |
| 10        | 9.616       | 1276          | 1280        | 1285         | rBV      | 90887          | 96195         | 3.97%           | 0.478%        |
| 11        | 9.898       | 1325          | 1328        | 1342         | rVB      | 763784         | 775261        | 31.97%          | 3.855%        |
| 12        | 10.698      | 1460          | 1464        | 1478         | rBV      | 1548911        | 1622780       | 66.93%          | 8.068%        |
| 13        | 11.398      | 1579          | 1583        | 1585         | rBV      | 793283         | 792778        | 32.70%          | 3.942%        |
| 14        | 11.416      | 1585          | 1586        | 1591         | rVB      | 108297         | 97036         | 4.00%           | 0.482%        |
| 15        | 11.622      | 1617          | 1621        | 1628         | rBV4     | 24981          | 51024         | 2.10%           | 0.254%        |
| 16        | 11.916      | 1666          | 1671        | 1680         | rBV2     | 298673         | 358521        | 14.79%          | 1.783%        |
| 17        | 12.616      | 1786          | 1790        | 1799         | rBV      | 186560         | 195000        | 8.04%           | 0.970%        |
| 18        | 12.704      | 1802          | 1805        | 1812         | rVV3     | 82604          | 91410         | 3.77%           | 0.454%        |
| 19        | 12.845      | 1824          | 1829        | 1832         | rBV      | 144118         | 154643        | 6.38%           | 0.769%        |
| 20        | 12.986      | 1848          | 1853        | 1856         | rBV      | 2762516        | 2424732       | 100.00%         | 12.055%       |
| 21        | 13.551      | 1944          | 1949        | 1951         | rBV2     | 46689          | 47714         | 1.97%           | 0.237%        |
| 22        | 13.880      | 2001          | 2005        | 2015         | rVB2     | 195456         | 296890        | 12.24%          | 1.476%        |
| 23        | 14.051      | 2029          | 2034        | 2037         | rBV      | 688622         | 702577        | 28.98%          | 3.493%        |
| 24        | 14.074      | 2037          | 2038        | 2042         | rVB      | 59411          | 51501         | 2.12%           | 0.256%        |
| 25        | 14.198      | 2056          | 2059        | 2061         | rBV      | 101368         | 89825         | 3.70%           | 0.447%        |
| 26        | 14.504      | 2104          | 2111        | 2113         | rBV      | 151612         | 154237        | 6.36%           | 0.767%        |
| 27        | 14.810      | 2159          | 2163        | 2168         | rVB      | 149110         | 154853        | 6.39%           | 0.770%        |
| 28        | 14.886      | 2172          | 2176        | 2180         | rBV      | 152938         | 147091        | 6.07%           | 0.731%        |
| 29        | 15.110      | 2210          | 2214        | 2217         | rBV      | 53555          | 78077         | 3.22%           | 0.388%        |
| 30        | 15.151      | 2217          | 2221        | 2226         | rVB2     | 145779         | 177163        | 7.31%           | 0.881%        |
| 31        | 15.415      | 2264          | 2266        | 2273         | rVB      | 31006          | 43530         | 1.80%           | 0.216%        |
| 32        | 15.486      | 2274          | 2278        | 2282         | rVV      | 39591          | 56401         | 2.33%           | 0.280%        |
| 33        | 15.545      | 2282          | 2288        | 2300         | rVB      | 548738         | 797757        | 32.90%          | 3.966%        |
| 34        | 15.980      | 2357          | 2362        | 2368         | rVB2     | 87246          | 137528        | 5.67%           | 0.684%        |

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-4-(3-5)

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-BF122419.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 16.057 | 2369 | 2375 | 2376 | rBV5 | 25517 | 38296 | 1.58% | 0.190% |
| 36 | 16.492 | 2445 | 2449 | 2454 | rVB2 | 42783 | 68558 | 2.83% | 0.341% |
| 37 | 17.086 | 2545 | 2550 | 2557 | rVB7 | 21794 | 57731 | 2.38% | 0.287% |

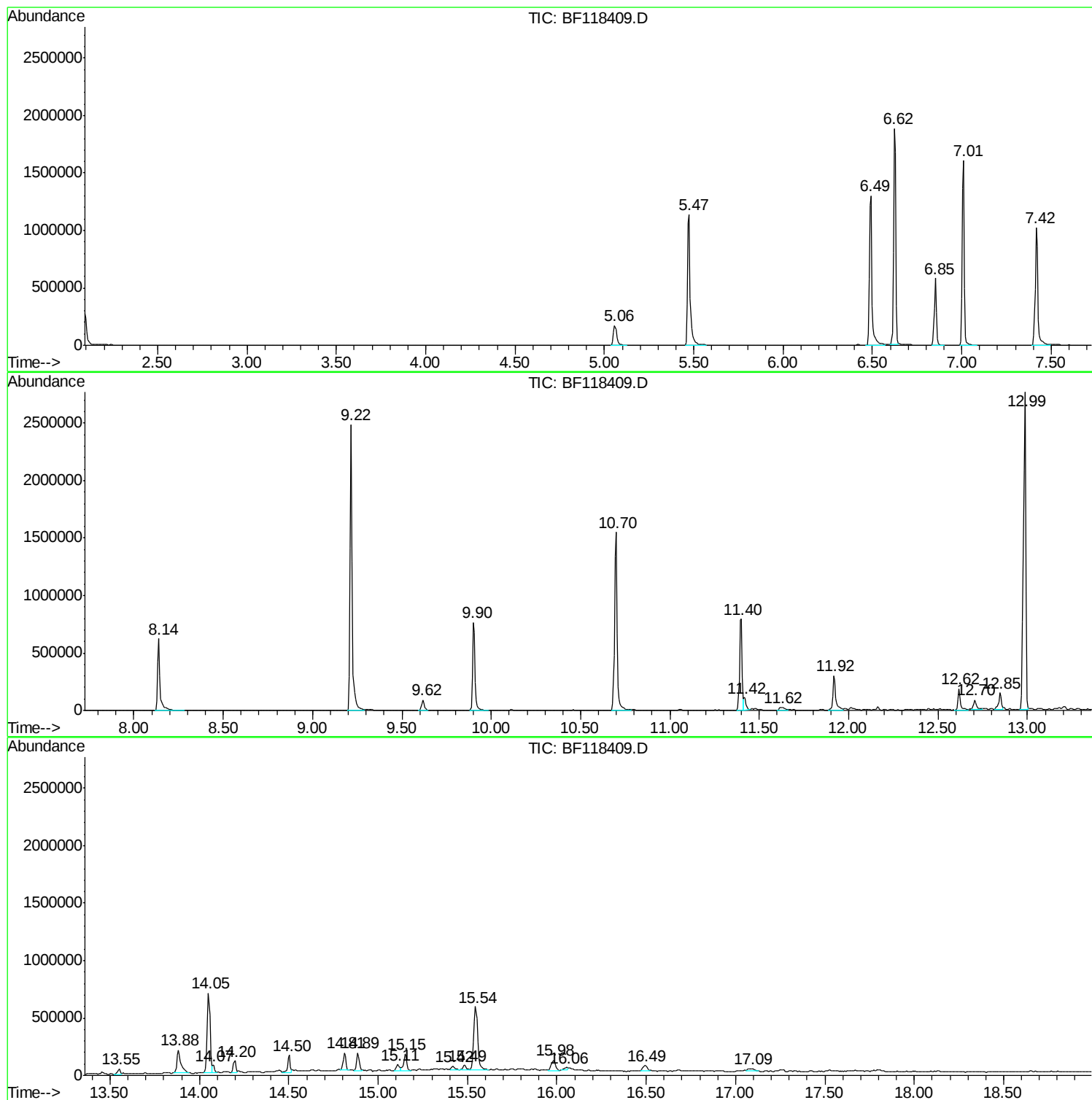
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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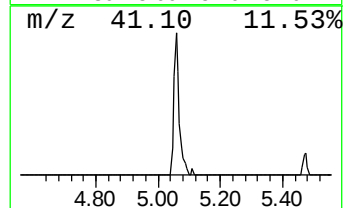
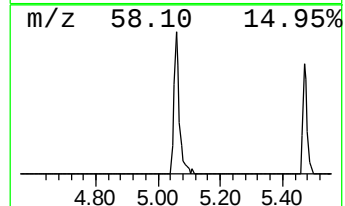
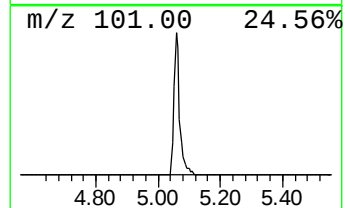
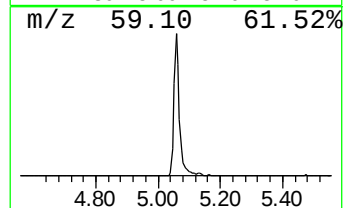
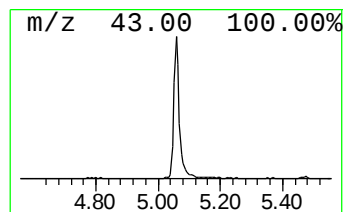
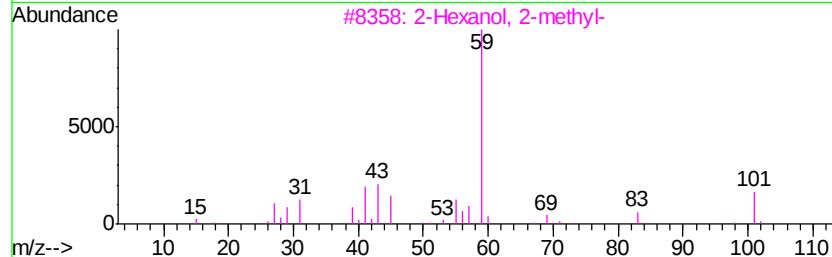
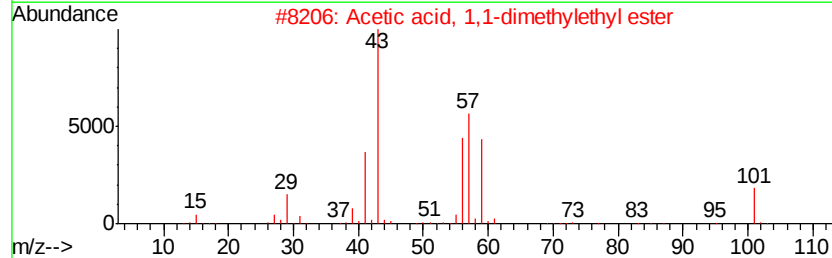
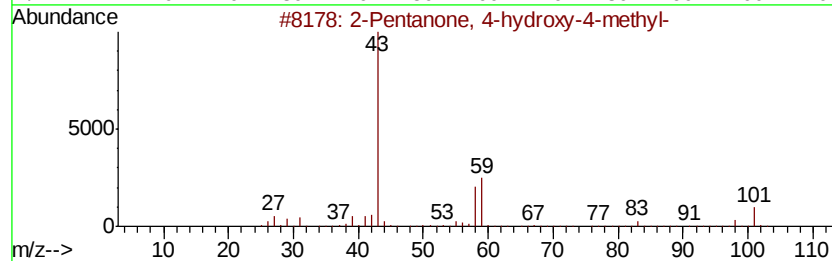
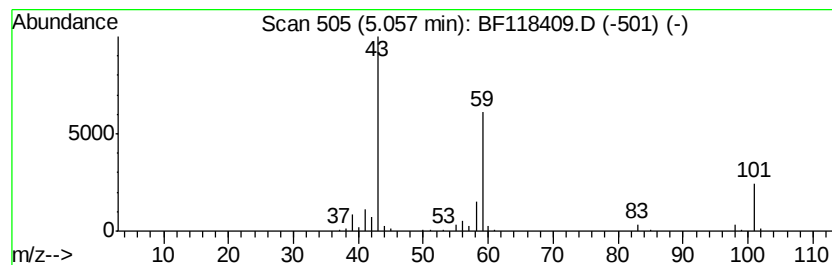
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.06 | 8.92 ng | 207154 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 25   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 25   |
| 5    |    |   | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2 | 000115-22-0 | 17   |



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GP-4-(3-5)

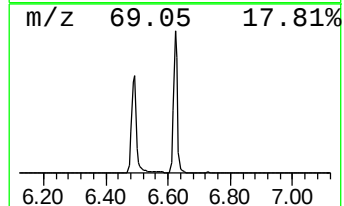
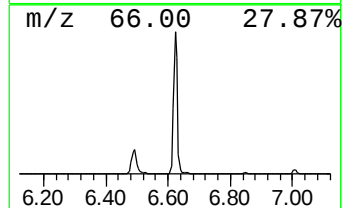
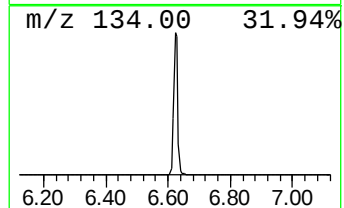
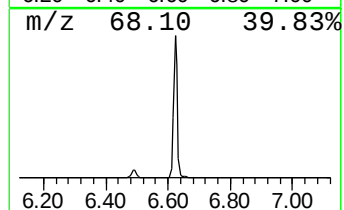
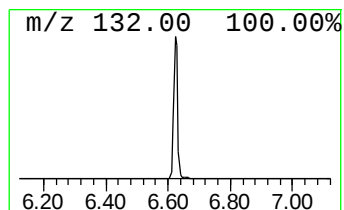
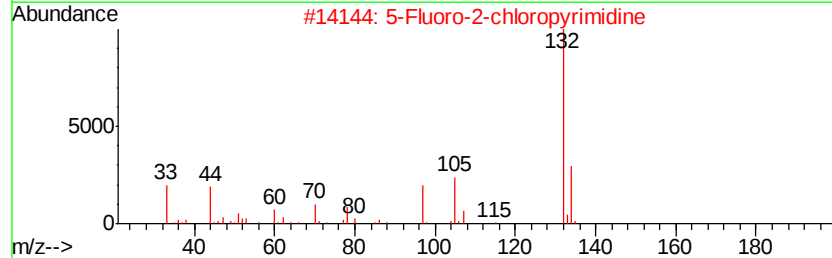
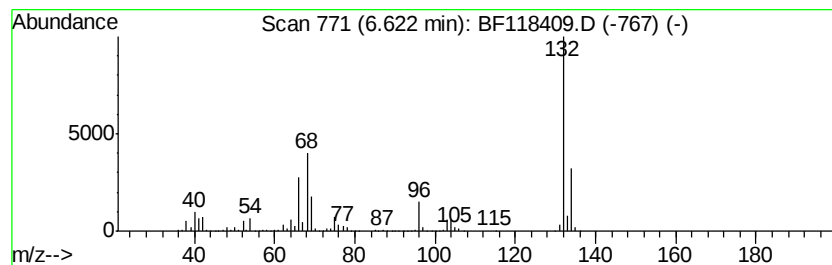
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.62 | 73.78 ng | 1714400 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Cyclopropanamine, 1-phenyl-      | 133 | C9H11N    | 1000351-26-2 | 10   |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

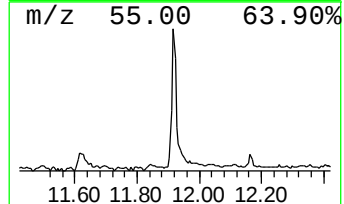
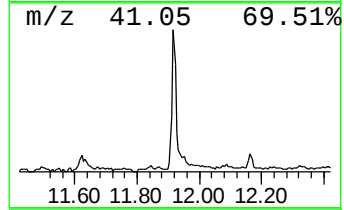
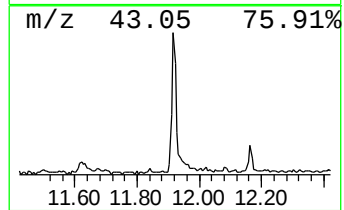
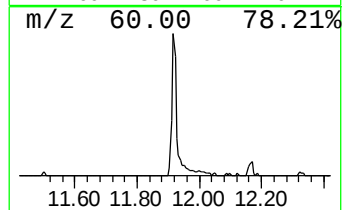
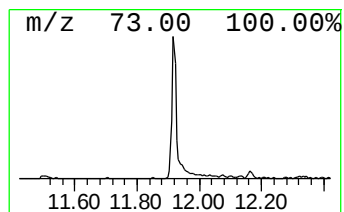
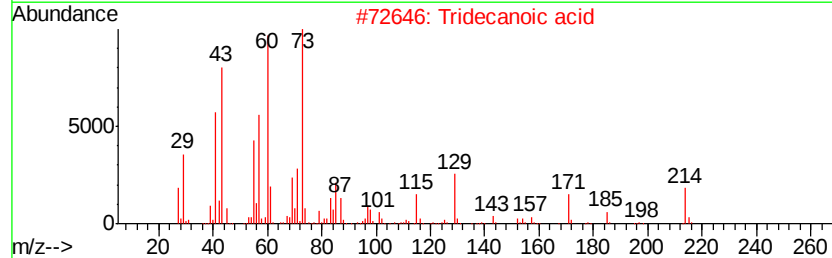
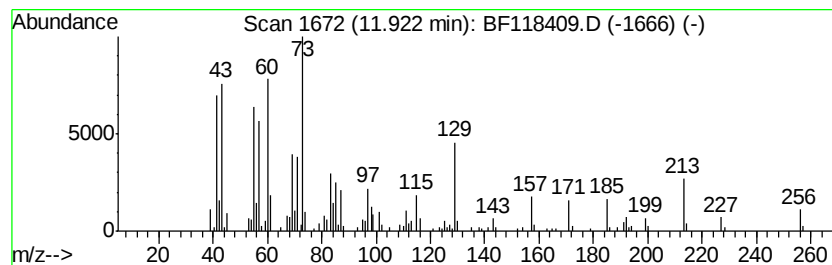
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.92 | 9.04 ng | 358521 | Phenanthrene-d10 | 11.40 |

| Hit# of 5 | Tentative ID                      | MW  | MolForm  | CAS#         | Qual |
|-----------|-----------------------------------|-----|----------|--------------|------|
| 1         | n-Hexadecanoic acid               | 256 | C16H32O2 | 000057-10-3  | 99   |
| 2         | Tridecanoic acid                  | 214 | C13H26O2 | 000638-53-9  | 91   |
| 3         | Pentadecanoic acid                | 242 | C15H30O2 | 001002-84-2  | 87   |
| 4         | n-Decanoic acid                   | 172 | C10H20O2 | 000334-48-5  | 76   |
| 5         | Oxalic acid, dodecyl propyl ester | 300 | C17H32O4 | 1000309-26-5 | 25   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

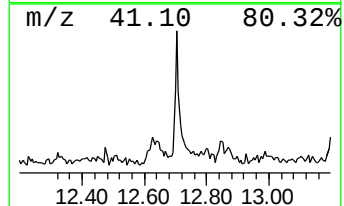
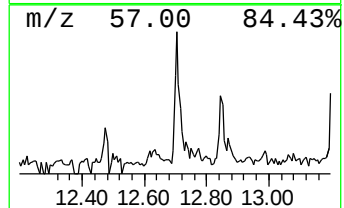
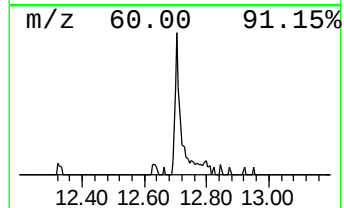
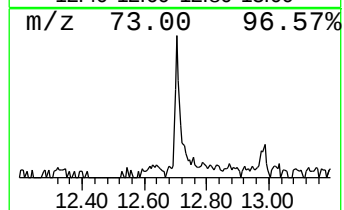
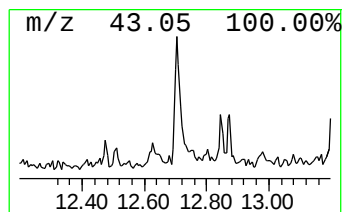
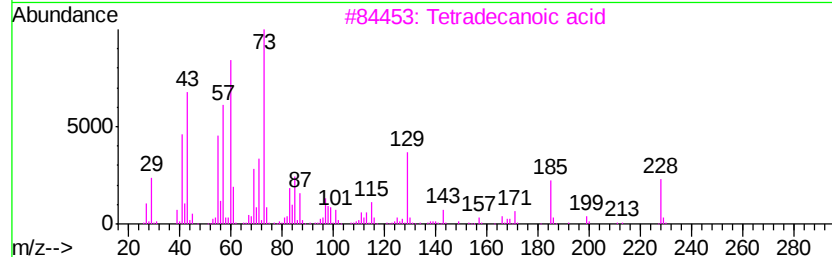
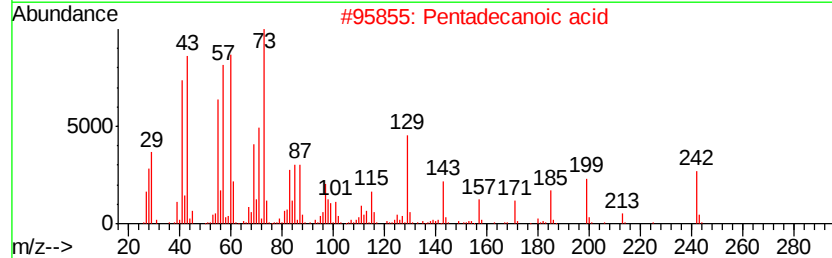
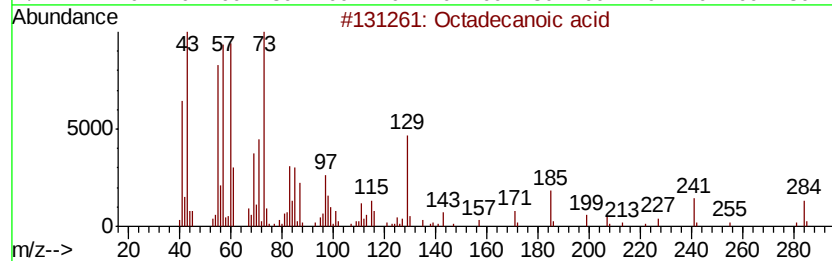
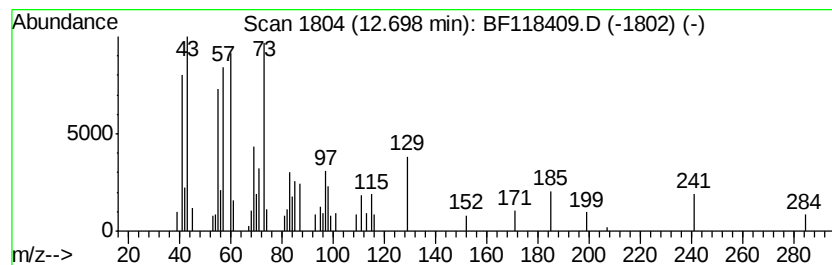
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Octadecanoic acid Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.70 | 2.31 ng | 91410 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 98   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 68   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 4       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 53   |
| 5       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 49   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

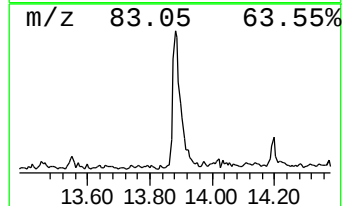
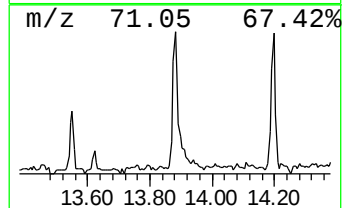
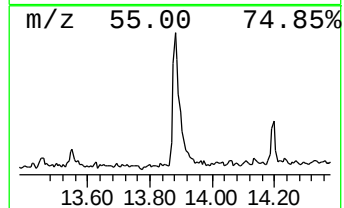
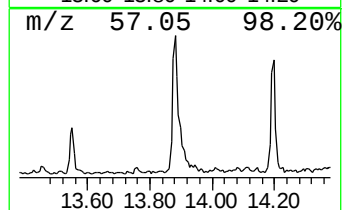
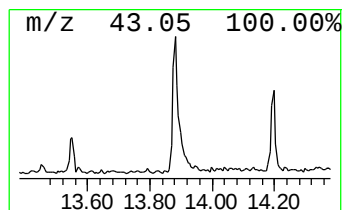
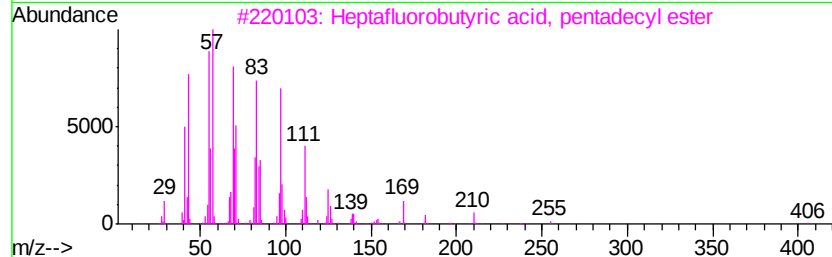
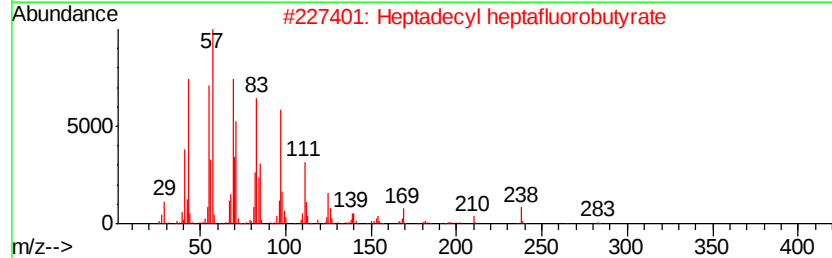
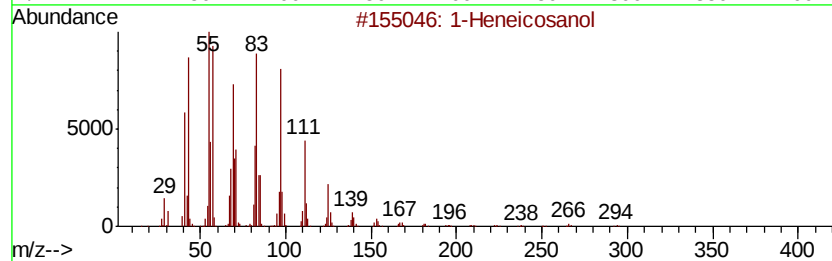
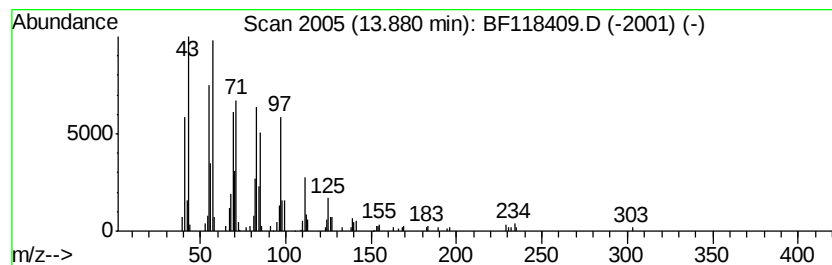
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Heneicosanol Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.88 | 8.45 ng | 296890 | Chrysene-d12     | 14.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 92   |
| 2    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 91   |
| 3    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 76   |
| 4    |    | 1-Heneicosyl formate                | 340 | C22H44O2   | 077899-03-7 | 76   |
| 5    |    | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
 Data File : BF118409.D  
 Acq On : 31 Dec 2019 17:02  
 Operator : JU  
 Sample : K6465-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

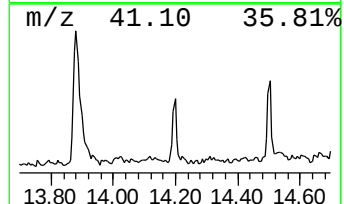
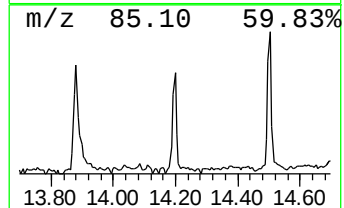
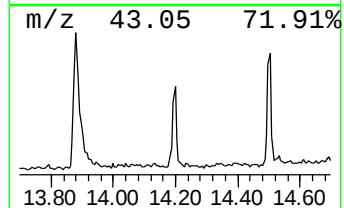
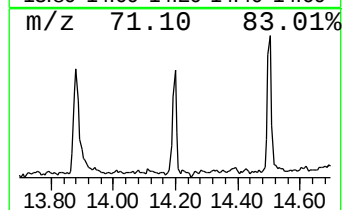
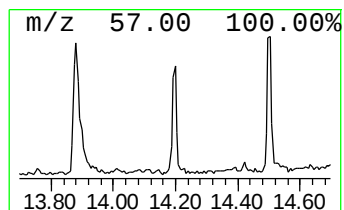
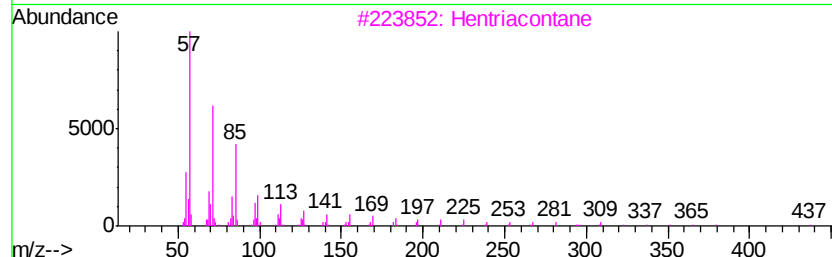
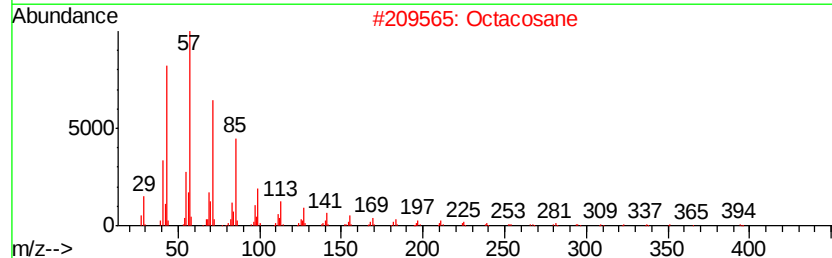
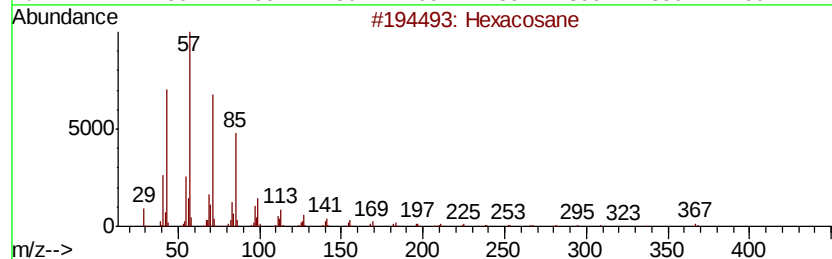
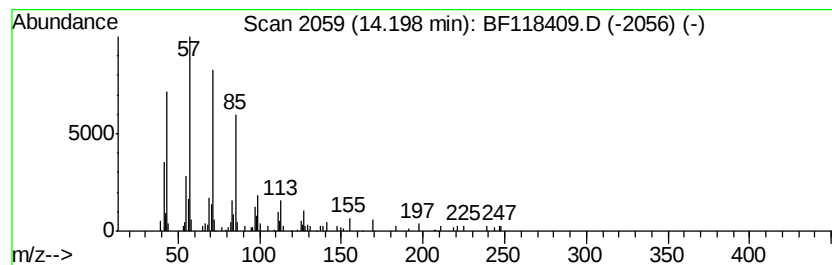
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 7 Hexacosane Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.20 | 2.56 ng | 89825 | Chrysene-d12     | 14.05 |

| Hit# of | 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------|--------------|-----|---------|-------------|------|
| 1       | Hexacosane     |              | 366 | C26H54  | 000630-01-3 | 91   |
| 2       | Octacosane     |              | 394 | C28H58  | 000630-02-4 | 91   |
| 3       | Hentriacontane |              | 437 | C31H64  | 000630-04-6 | 91   |
| 4       | Triacontane    |              | 422 | C30H62  | 000638-68-6 | 91   |
| 5       | Heneicosane    |              | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
Data File : BF118409.D  
Acq On : 31 Dec 2019 17:02  
Operator : JU  
Sample : K6465-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

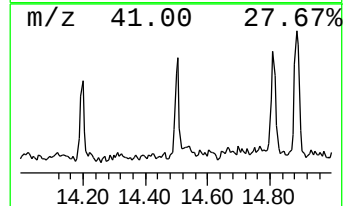
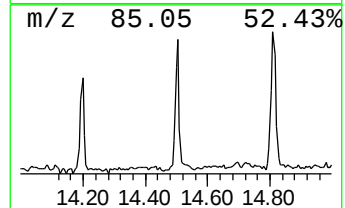
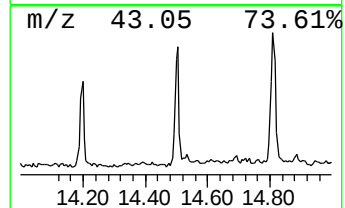
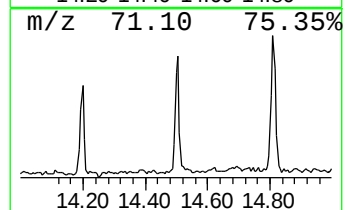
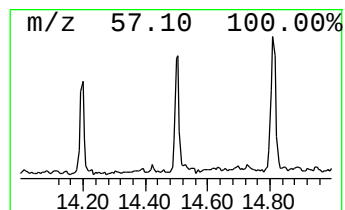
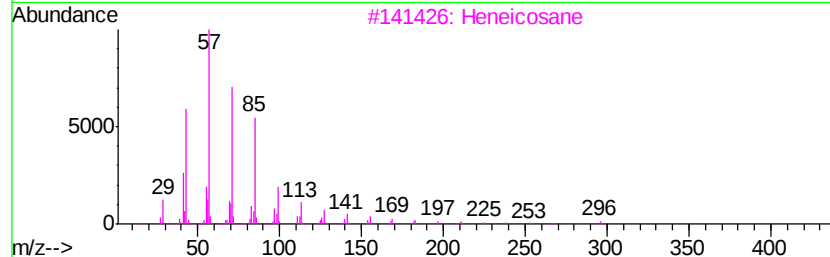
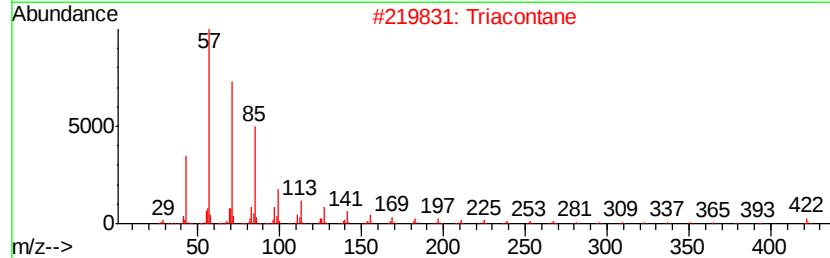
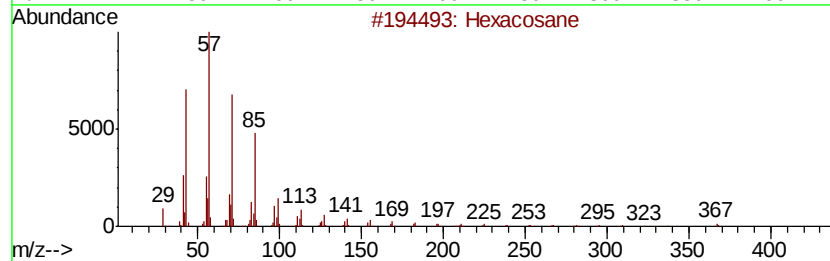
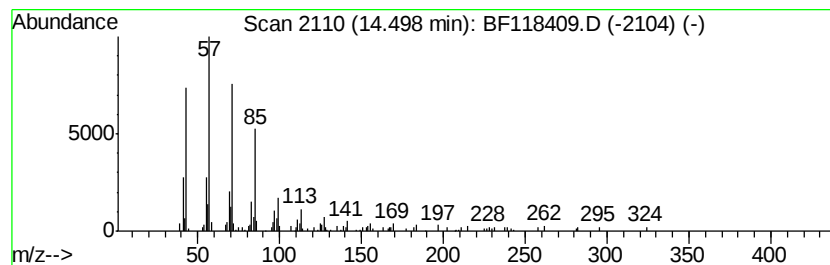
Instrument :  
BNA\_F  
ClientSampleId :  
GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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 8 Pentacosane Concentration Rank 7

| R.T.      | EstConc        | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------|--------|------------------|-------------|-------|
| 14.50     | 4.39 ng        | 154237 | Chrysene-d12     |             | 14.05 |
| Hit# of 5 | Tentative ID   | MW     | MolForm          | CAS#        | Qual  |
| 1         | Hexacosane     | 366    | C26H54           | 000630-01-3 | 91    |
| 2         | triacontane    | 422    | C30H62           | 000638-68-6 | 91    |
| 3         | Heneicosane    | 296    | C21H44           | 000629-94-7 | 91    |
| 4         | Hentriacontane | 437    | C31H64           | 000630-04-6 | 91    |
| 5         | Pentacosane    | 352    | C25H52           | 000629-99-2 | 91    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
 Data File : BF118409.D  
 Acq On : 31 Dec 2019 17:02  
 Operator : JU  
 Sample : K6465-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

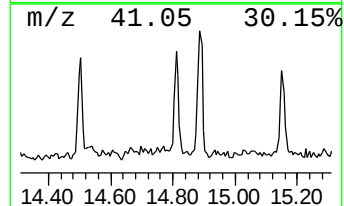
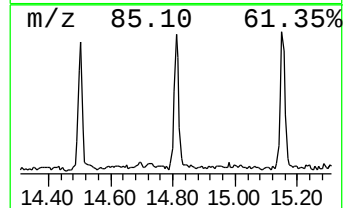
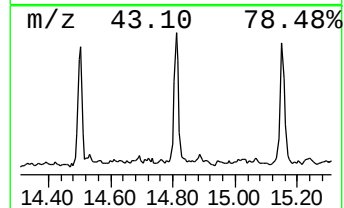
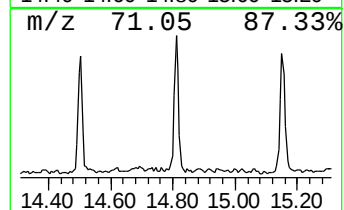
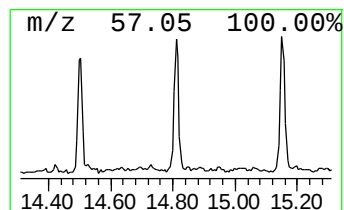
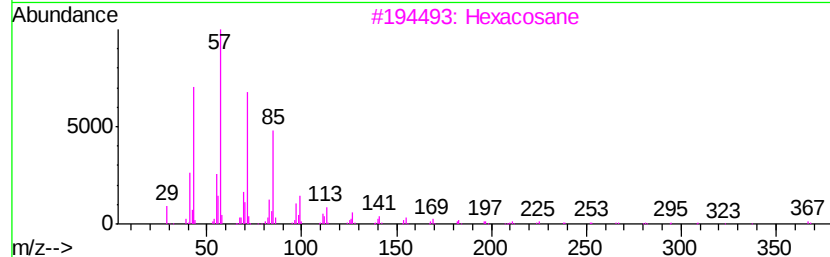
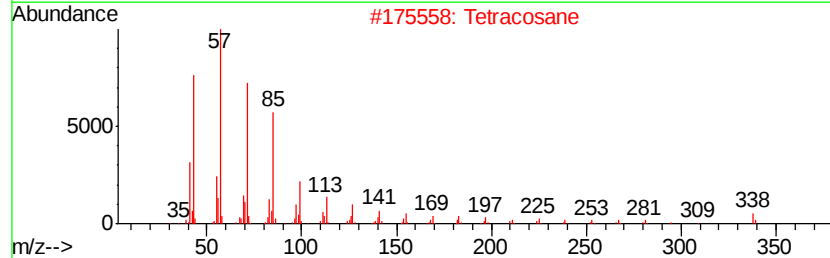
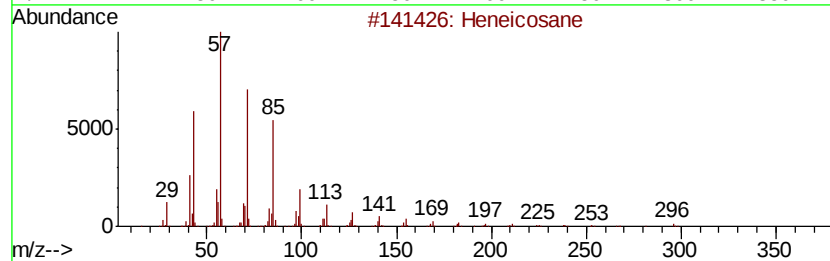
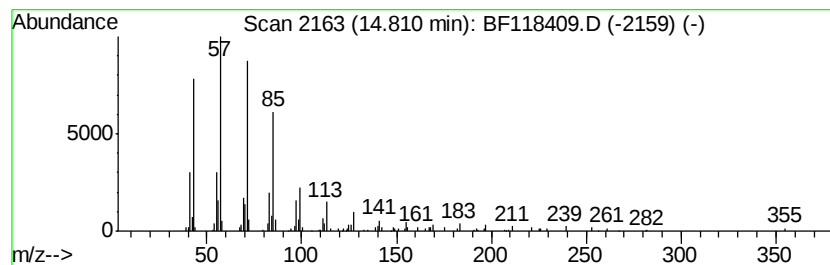
Instrument :  
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 ClientSampleId :  
 GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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 9 Heneicosane Concentration Rank 8

| R.T.      | EstConc      | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------|--------|------------------|-------------|-------|
| 14.81     | 3.88 ng      | 154853 | Perylene-d12     |             | 15.54 |
| Hit# of 5 | Tentative ID | MW     | MolForm          | CAS#        | Qual  |
| 1         | Heneicosane  | 296    | C21H44           | 000629-94-7 | 90    |
| 2         | Tetracosane  | 338    | C24H50           | 000646-31-1 | 87    |
| 3         | Hexacosane   | 366    | C26H54           | 000630-01-3 | 87    |
| 4         | Hexadecane   | 226    | C16H34           | 000544-76-3 | 83    |
| 5         | triacontane  | 422    | C30H62           | 000638-68-6 | 83    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
Data File : BF118409.D  
Acq On : 31 Dec 2019 17:02  
Operator : JU  
Sample : K6465-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

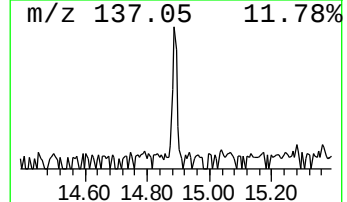
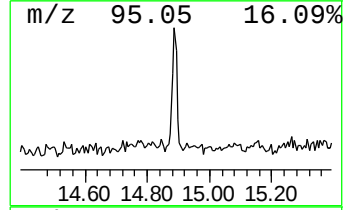
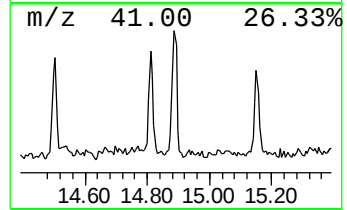
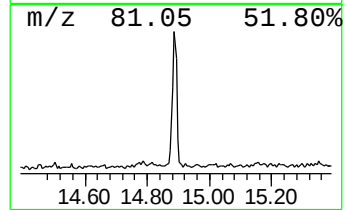
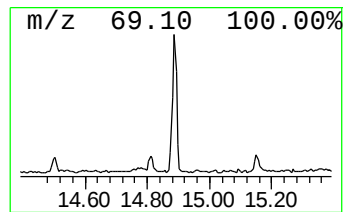
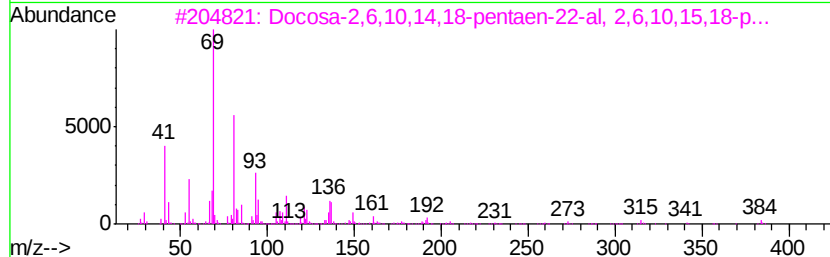
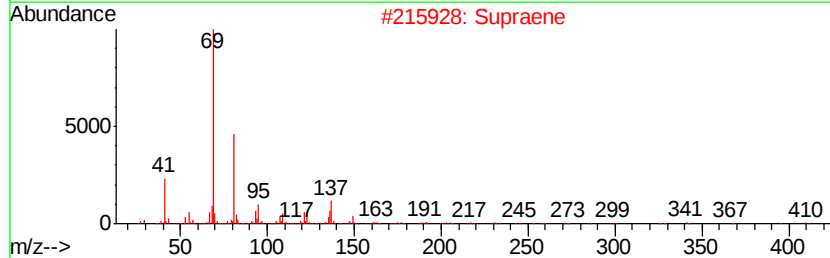
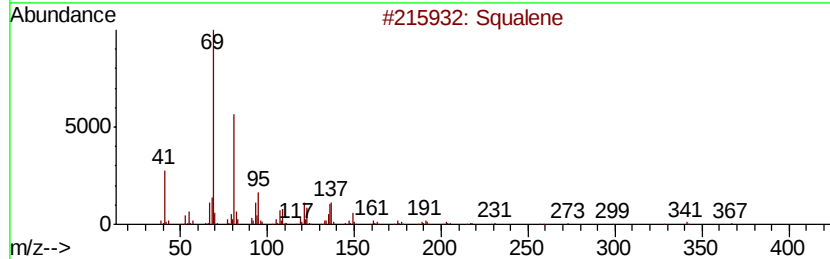
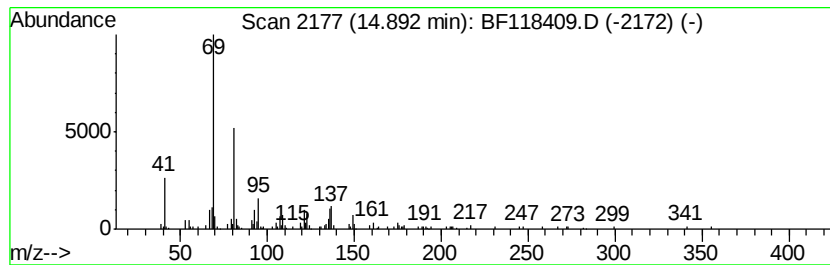
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ClientSampleId :  
GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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 10 Squalene Concentration Rank 9

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 14.89   | 3.69 ng                             | 147091       | Perylene-d12     | 15.54     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Squalene                            | 410 C30H50   | 000111-02-4      | 94        |
| 2       | Supraene                            | 410 C30H50   | 007683-64-9      | 91        |
| 3       | Docosa-2,6,10,14,18-pentaen-22-a... | 384 C27H44O  | 1000163-04-7     | 90        |
| 4       | 2,6,10,14,18-Pentamethyl-2,6,10,... | 342 C25H42   | 075581-03-2      | 78        |
| 5       | 2,6,10,14-Hexadecatetraenoic aci... | 332 C22H36O2 | 024035-35-6      | 72        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
Data File : BF118409.D  
Acq On : 31 Dec 2019 17:02  
Operator : JU  
Sample : K6465-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

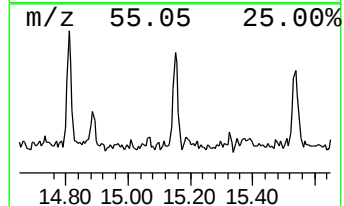
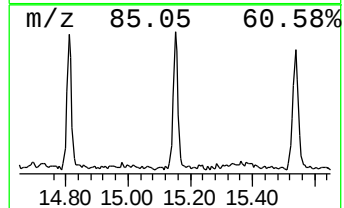
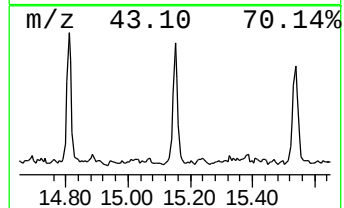
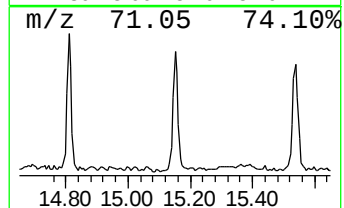
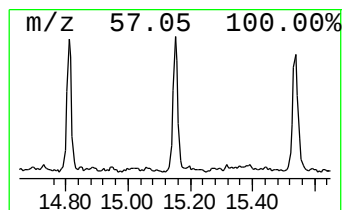
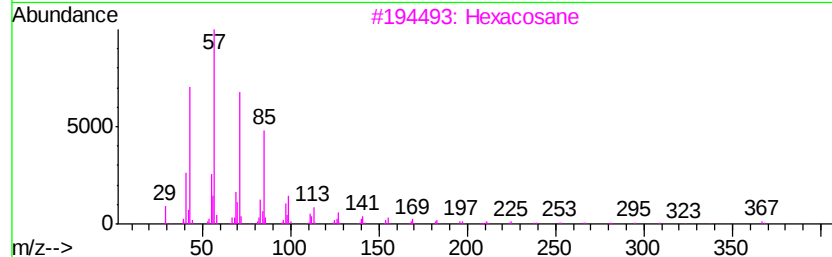
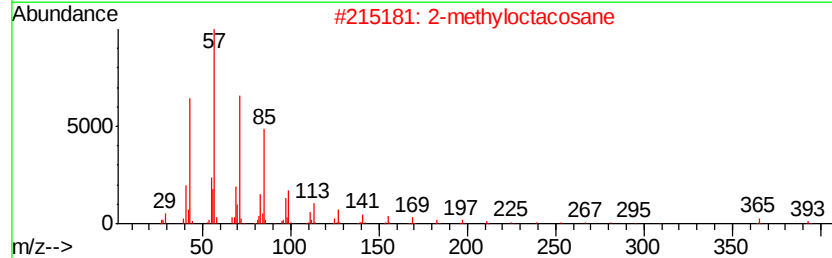
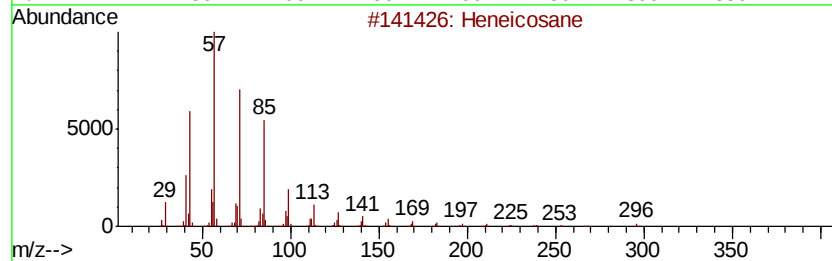
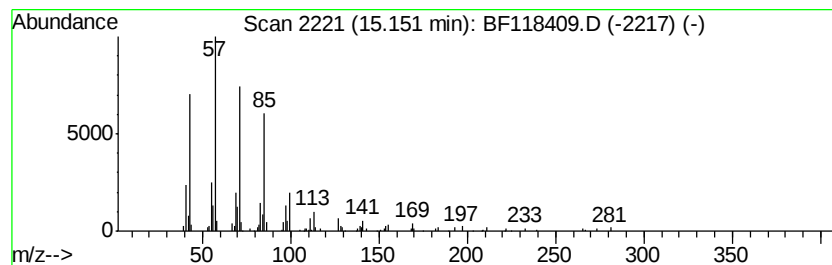
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ClientSampleId :  
GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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 11 10-Methylnonadecane Concentration Rank 6

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.         |      |
|-----------|---------------------|--------|------------------|--------------|------|
| 15.15     | 4.44 ng             | 177163 | Perylene-d12     | 15.54        |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#         | Qual |
| 1         | Heneicosane         | 296    | C21H44           | 000629-94-7  | 91   |
| 2         | 2-methyloctacosane  | 408    | C29H60           | 1000376-72-8 | 91   |
| 3         | Hexacosane          | 366    | C26H54           | 000630-01-3  | 91   |
| 4         | Heptadecane         | 240    | C17H36           | 000629-78-7  | 90   |
| 5         | 10-Methylnonadecane | 282    | C20H42           | 056862-62-5  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\  
Data File : BF118409.D  
Acq On : 31 Dec 2019 17:02  
Operator : JU  
Sample : K6465-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-4-(3-5)

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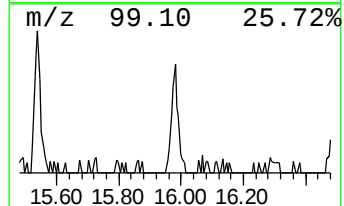
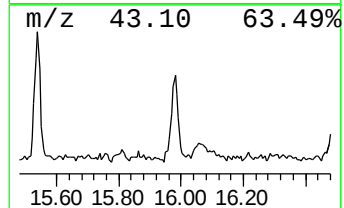
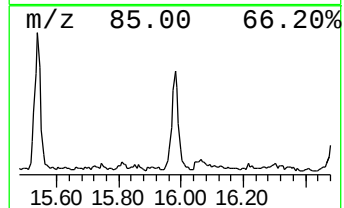
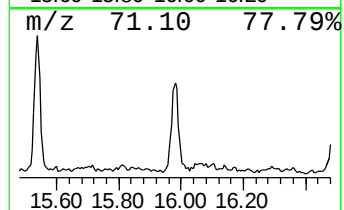
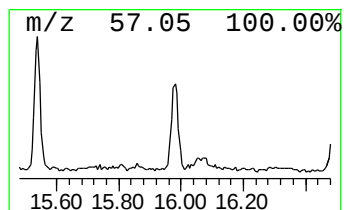
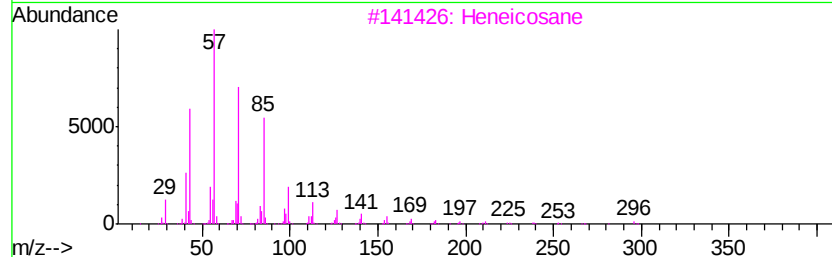
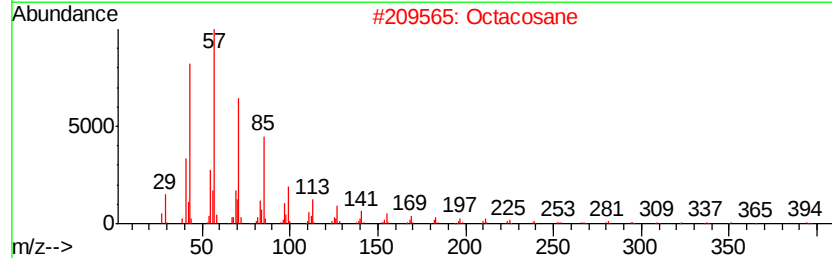
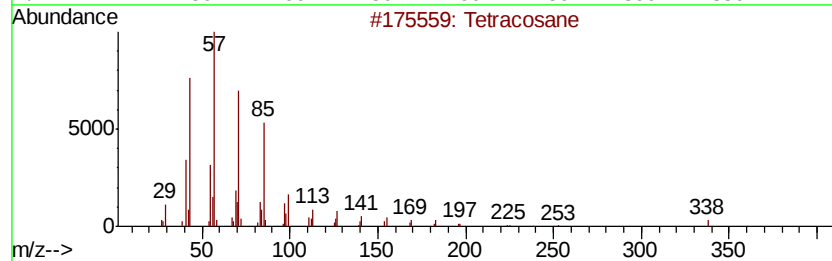
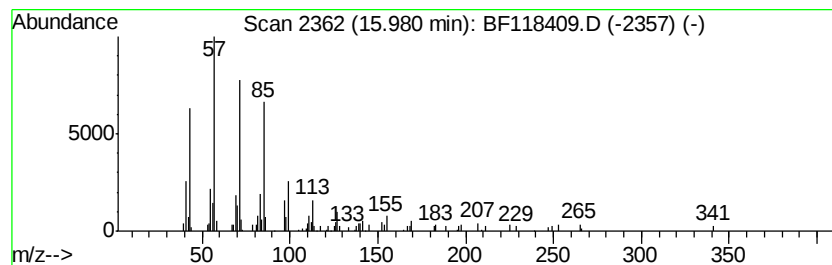
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Tetracosane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.98 | 3.45 ng | 137528 | Perylene-d12     | 15.54 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | Tetracosane            | 338 | C24H50  | 000646-31-1  | 87   |
| 2    |    | Octacosane             | 394 | C28H58  | 000630-02-4  | 87   |
| 3    |    | Heneicosane            | 296 | C21H44  | 000629-94-7  | 87   |
| 4    |    | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 87   |
| 5    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF123119\  
Data File : BF118409.D  
Acq On : 31 Dec 2019 17:02  
Operator : JU  
Sample : K6465-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-4-(3-5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF122419.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 |
| 2-Pentanone, 4-hy... | 5.06  | 8.9     | ng    | 207154   | 1                     | 6.85  | 464718 | 20.0 |
| unknown6.62          | 6.62  | 73.8    | ng    | 1714400  | 1                     | 6.85  | 464718 | 20.0 |
| n-Hexadecanoic acid  | 11.92 | 9.0     | ng    | 358521   | 4                     | 11.40 | 792778 | 20.0 |
| Octadecanoic acid    | 12.70 | 2.3     | ng    | 91410    | 4                     | 11.40 | 792778 | 20.0 |
| 1-Heneicosanol       | 13.88 | 8.4     | ng    | 296890   | 5                     | 14.05 | 702577 | 20.0 |
| Hexacosane           | 14.20 | 2.6     | ng    | 89825    | 5                     | 14.05 | 702577 | 20.0 |
| Pentacosane          | 14.50 | 4.4     | ng    | 154237   | 5                     | 14.05 | 702577 | 20.0 |
| Heneicosane          | 14.81 | 3.9     | ng    | 154853   | 6                     | 15.54 | 797757 | 20.0 |
| Squalene             | 14.89 | 3.7     | ng    | 147091   | 6                     | 15.54 | 797757 | 20.0 |
| 10-Methylnonadecane  | 15.15 | 4.4     | ng    | 177163   | 6                     | 15.54 | 797757 | 20.0 |
| Tetracosane          | 15.98 | 3.5     | ng    | 137528   | 6                     | 15.54 | 797757 | 20.0 |