

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032720\  
 Data File : BF119601.D  
 Acq On : 28 Mar 2020 7:21  
 Operator : CG/JU  
 Sample : L2049-01  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1-(1-3)

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-BF031820.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         | 2.210       | 15            | 21          | 28           | rBV      | 115811         | 149623        | 2.24%           | 0.286%        |
| 2         | 5.040       | 495           | 502         | 511          | rVB      | 268031         | 352241        | 5.28%           | 0.674%        |
| 3         | 5.439       | 565           | 570         | 574          | rBV      | 5544522        | 5866599       | 87.97%          | 11.224%       |
| 4         | 6.451       | 737           | 742         | 745          | rBV      | 5386595        | 5797581       | 86.94%          | 11.092%       |
| 5         | 6.834       | 803           | 807         | 810          | rBV      | 1726391        | 1580367       | 23.70%          | 3.024%        |
| 6         | 6.986       | 829           | 833         | 836          | rBV      | 5180592        | 4406906       | 66.08%          | 8.431%        |
| 7         | 7.392       | 896           | 902         | 905          | rBV      | 4014936        | 3658377       | 54.86%          | 6.999%        |
| 8         | 8.116       | 1020          | 1025        | 1028         | rBV      | 2414794        | 2057276       | 30.85%          | 3.936%        |
| 9         | 9.198       | 1203          | 1209        | 1212         | rBV      | 6824998        | 6668800       | 100.00%         | 12.759%       |
| 10        | 9.586       | 1272          | 1275        | 1279         | rBV      | 857398         | 649381        | 9.74%           | 1.242%        |
| 11        | 9.874       | 1317          | 1324        | 1327         | rBV      | 2893508        | 2384830       | 35.76%          | 4.563%        |
| 12        | 10.663      | 1453          | 1458        | 1461         | rBV      | 4195510        | 3653198       | 54.78%          | 6.989%        |
| 13        | 11.363      | 1573          | 1577        | 1580         | rBV      | 2628164        | 2246622       | 33.69%          | 4.298%        |
| 14        | 11.892      | 1663          | 1667        | 1684         | rBV      | 444403         | 504191        | 7.56%           | 0.965%        |
| 15        | 12.674      | 1797          | 1800        | 1808         | rBV      | 110294         | 145484        | 2.18%           | 0.278%        |
| 16        | 12.951      | 1843          | 1847        | 1850         | rBV      | 6469086        | 6073075       | 91.07%          | 11.619%       |
| 17        | 13.186      | 1882          | 1887        | 1892         | rBV      | 56435          | 68940         | 1.03%           | 0.132%        |
| 18        | 13.433      | 1925          | 1929        | 1933         | rVB      | 130427         | 111395        | 1.67%           | 0.213%        |
| 19        | 13.857      | 1997          | 2001        | 2021         | rBV      | 708294         | 1317090       | 19.75%          | 2.520%        |
| 20        | 13.998      | 2021          | 2025        | 2029         | rVV      | 1840493        | 1738089       | 26.06%          | 3.325%        |
| 21        | 14.174      | 2051          | 2055        | 2059         | rBV      | 181364         | 162925        | 2.44%           | 0.312%        |
| 22        | 14.480      | 2104          | 2107        | 2110         | rBV      | 232635         | 212725        | 3.19%           | 0.407%        |
| 23        | 14.786      | 2155          | 2159        | 2164         | rVB      | 280484         | 253316        | 3.80%           | 0.485%        |
| 24        | 15.127      | 2212          | 2217        | 2222         | rBV      | 244122         | 274809        | 4.12%           | 0.526%        |
| 25        | 15.462      | 2269          | 2274        | 2278         | rBV      | 1162211        | 1381087       | 20.71%          | 2.642%        |
| 26        | 15.509      | 2278          | 2282        | 2287         | rVB      | 182227         | 244256        | 3.66%           | 0.467%        |
| 27        | 15.945      | 2351          | 2356        | 2362         | rBV      | 129610         | 195468        | 2.93%           | 0.374%        |
| 28        | 16.456      | 2437          | 2443        | 2448         | rBV2     | 59805          | 114719        | 1.72%           | 0.219%        |

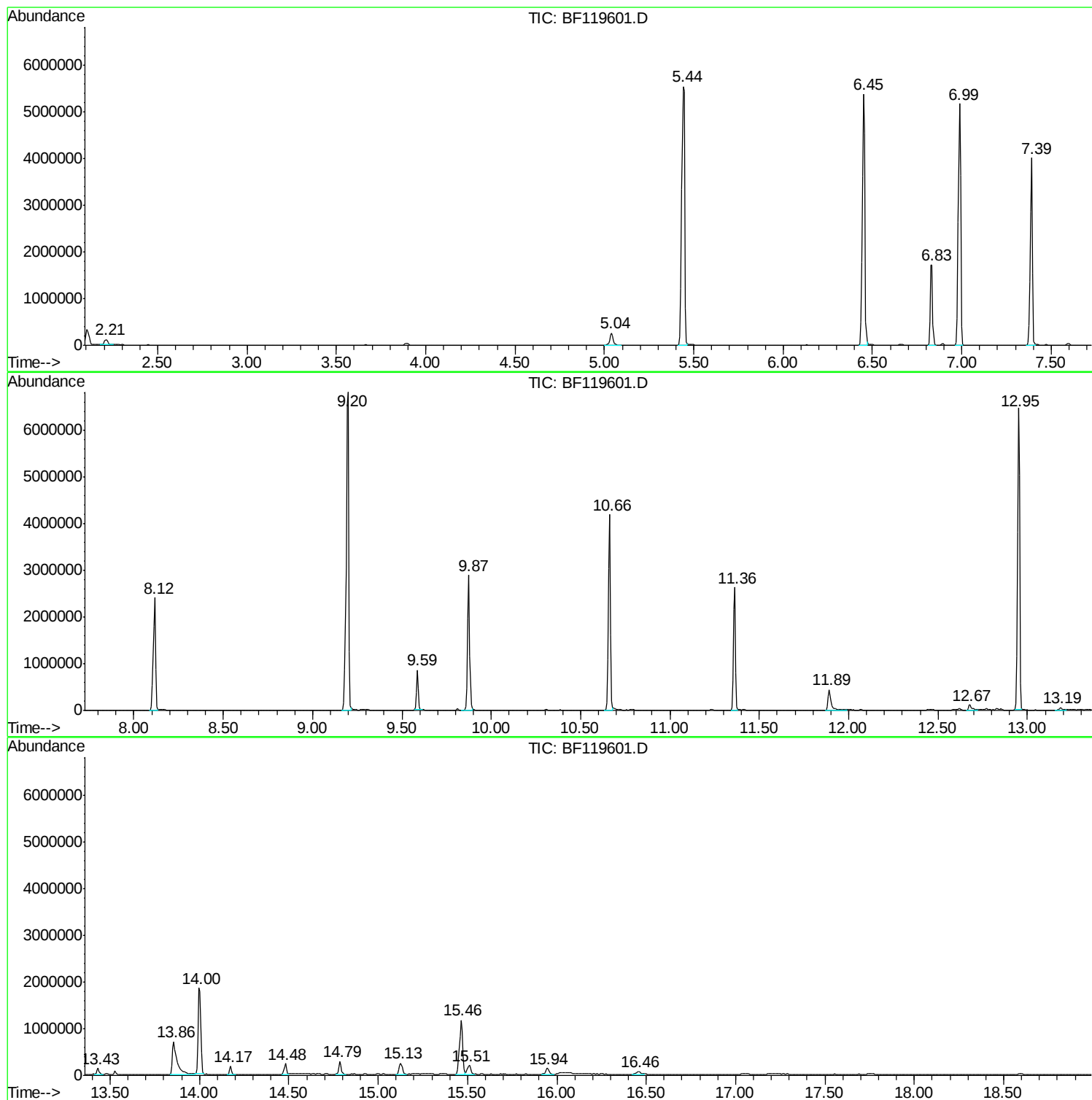
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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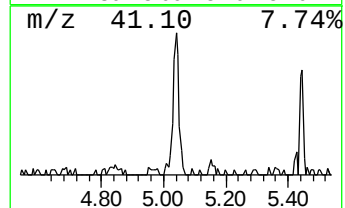
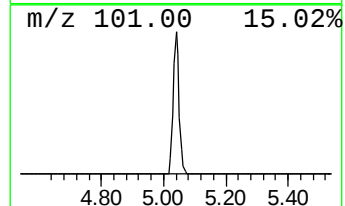
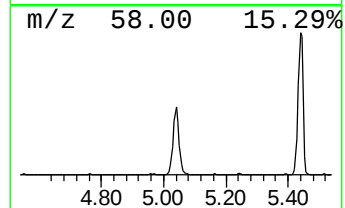
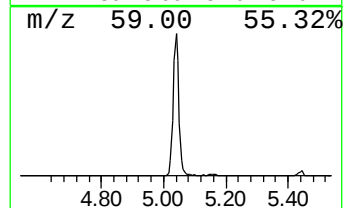
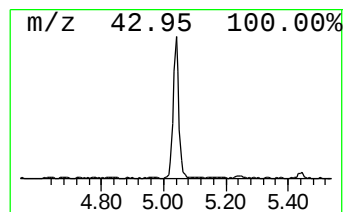
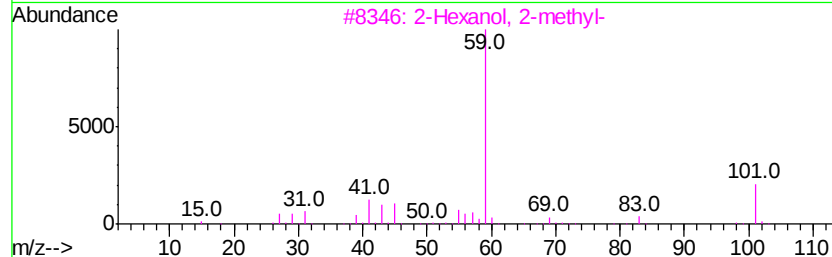
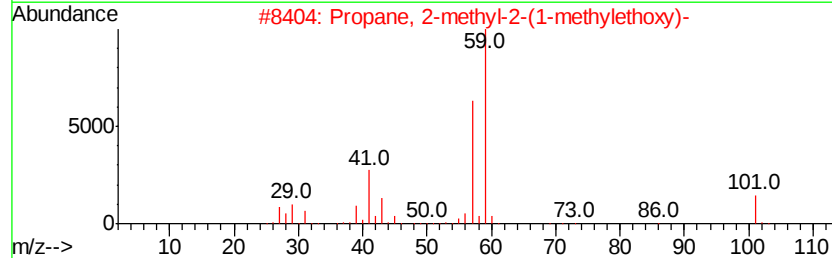
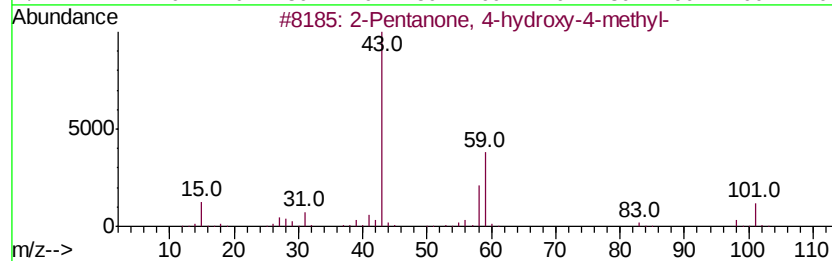
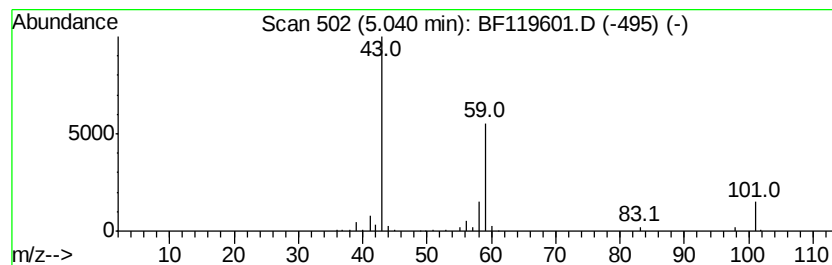
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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. |
|------|---------|--------|------------------------|------|
| 5.04 | 4.46 ng | 352241 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 33   |
| 4    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O  | 000615-29-2 | 28   |
| 5    |    |   | 3-Pentanol, 2-methyl-               | 102 | C6H14O  | 000565-67-3 | 25   |



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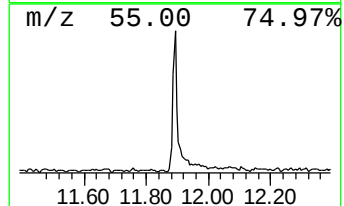
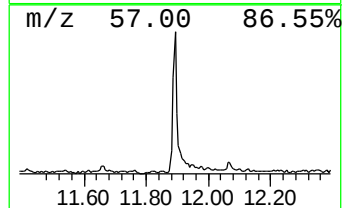
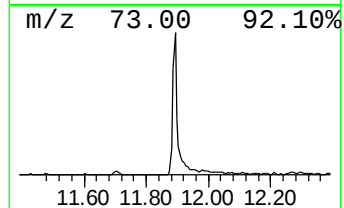
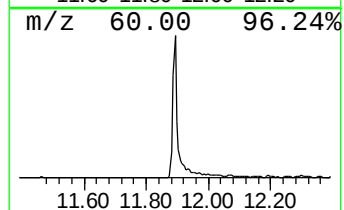
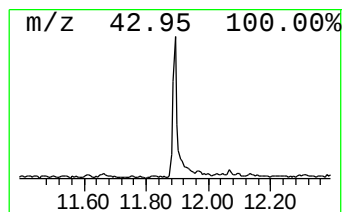
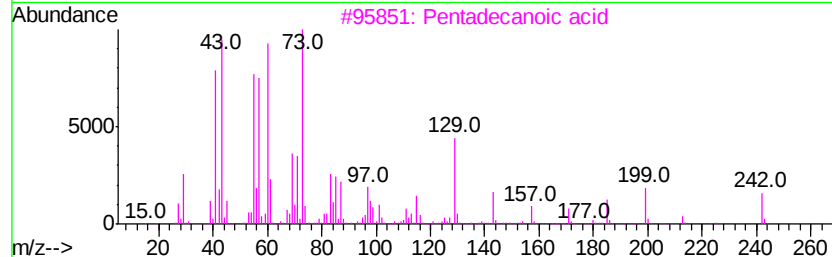
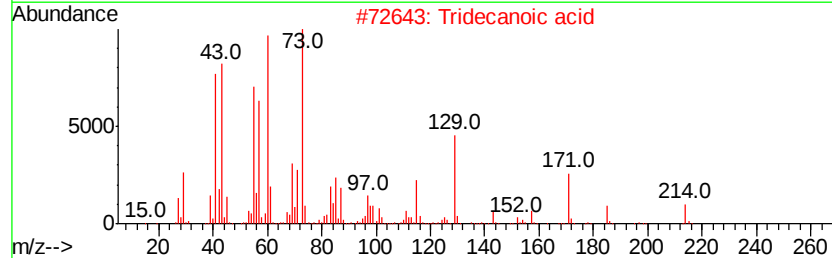
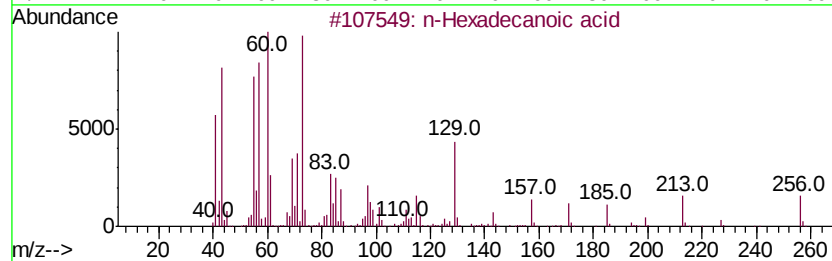
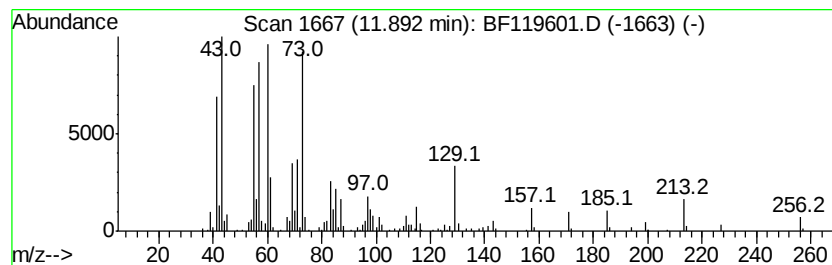
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.89 | 4.49 ng | 504191 | Phenanthrene-d10 | 11.36 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 5       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 76   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
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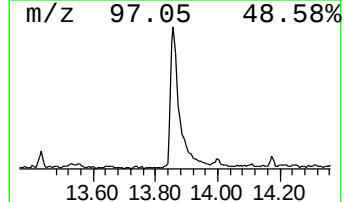
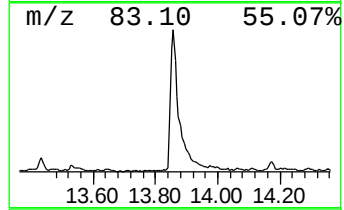
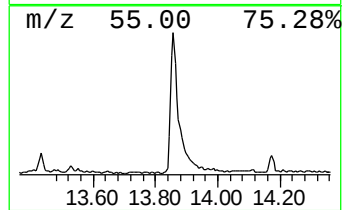
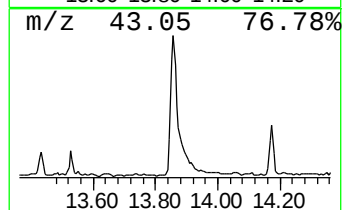
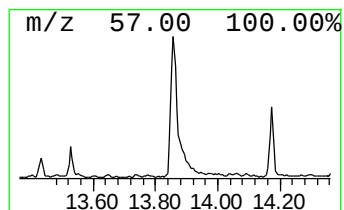
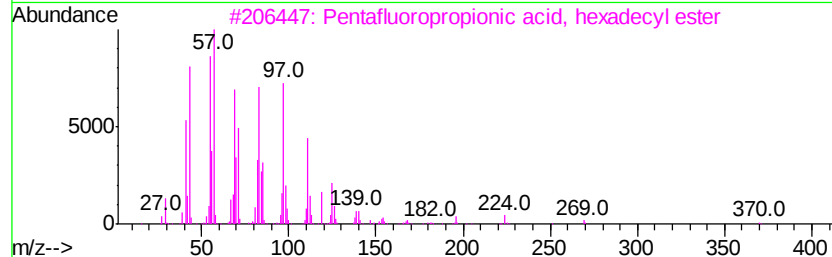
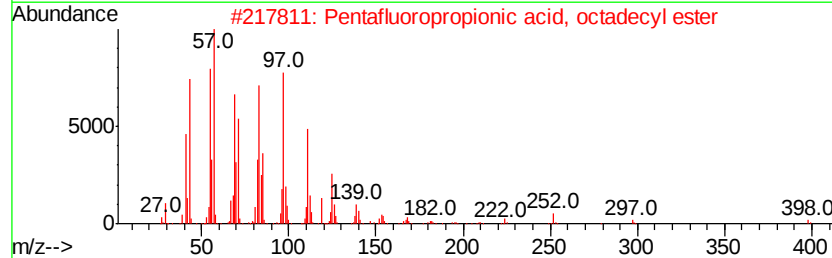
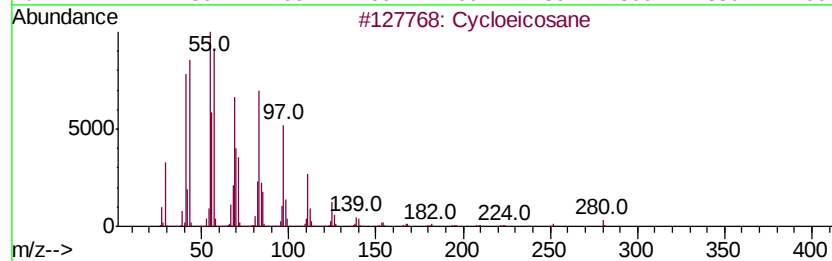
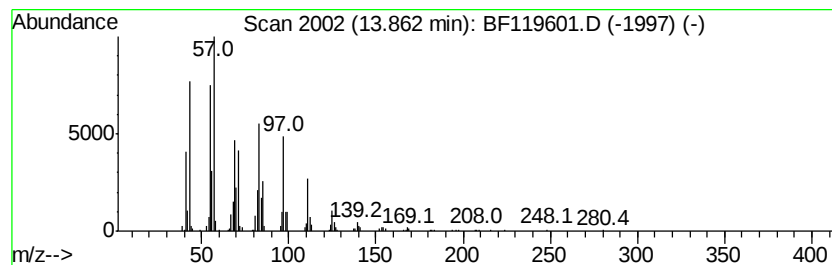
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cycloeicosane Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.86 | 15.16 ng | 1317090 | Chrysene-d12     | 14.00 |

| Hit# of | 5 | Tentative ID                               | MW  | MolForm    | CAS#         | Qual |
|---------|---|--------------------------------------------|-----|------------|--------------|------|
| 1       |   | Cycloeicosane                              | 280 | C20H40     | 000296-56-0  | 92   |
| 2       |   | Pentafluoropropionic acid, octadecyl ester | 416 | C21H37F5O2 | 959261-25-7  | 91   |
| 3       |   | Pentafluoropropionic acid, hexadecyl ester | 388 | C19H33F5O2 | 006222-07-7  | 91   |
| 4       |   | Tricosyl pentafluoropropionate             | 486 | C26H47F5O2 | 1000351-81-0 | 91   |
| 5       |   | Docosyl pentafluoropropionate              | 472 | C25H45F5O2 | 1000351-80-9 | 91   |



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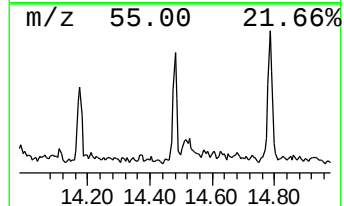
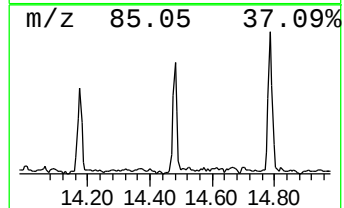
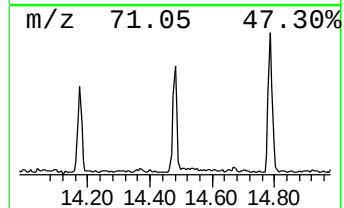
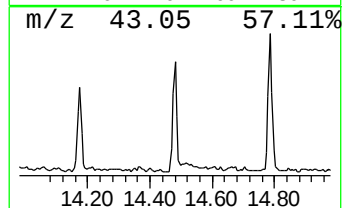
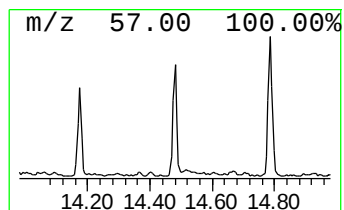
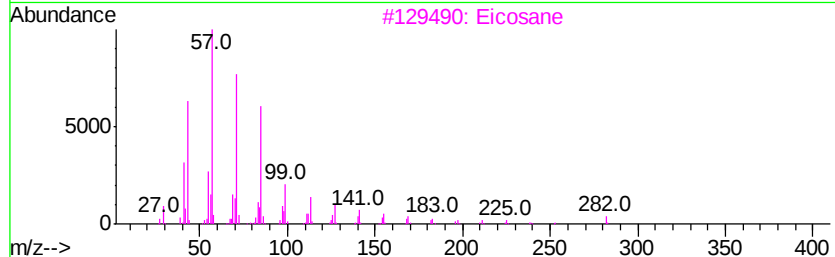
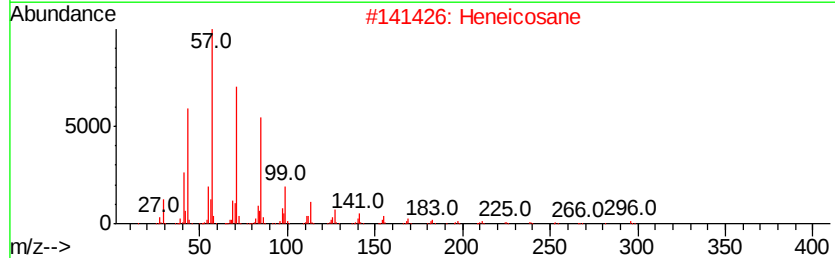
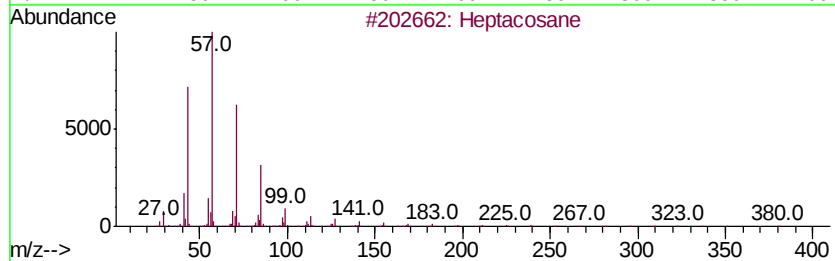
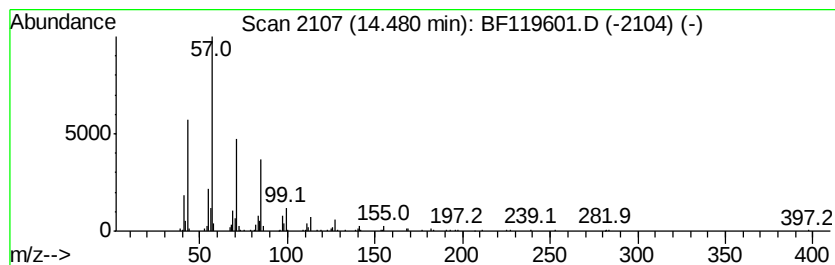
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Peak Number 5 Heptacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.48 | 2.45 ng | 212725 | Chrysene-d12     | 14.00 |

| Hit# of | 5               | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------|--------------|-----|---------|-------------|------|
| 1       | Heptacosane     |              | 380 | C27H56  | 000593-49-7 | 91   |
| 2       | Heneicosane     |              | 296 | C21H44  | 000629-94-7 | 90   |
| 3       | Eicosane        |              | 282 | C20H42  | 000112-95-8 | 90   |
| 4       | Hexacosane      |              | 366 | C26H54  | 000630-01-3 | 90   |
| 5       | Hexatriacontane |              | 507 | C36H74  | 000630-06-8 | 87   |



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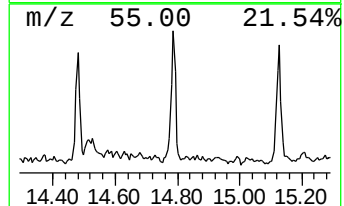
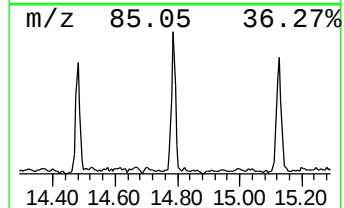
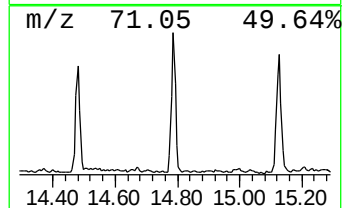
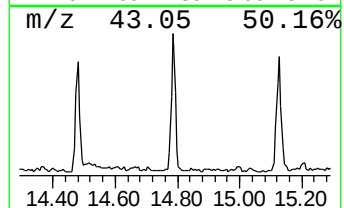
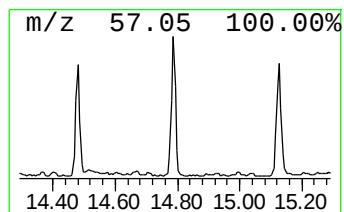
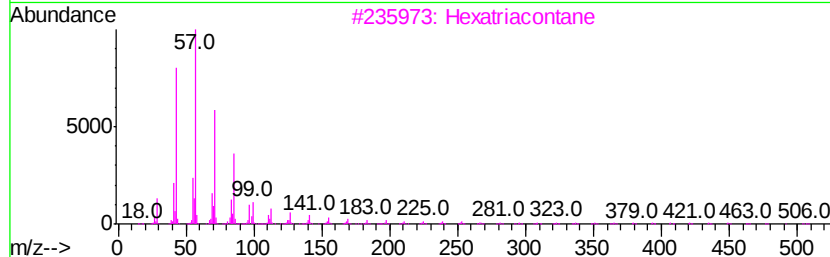
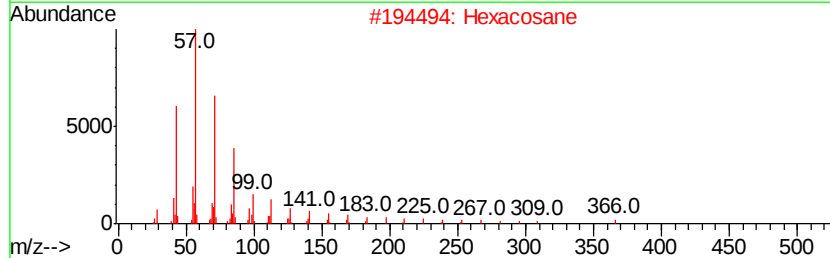
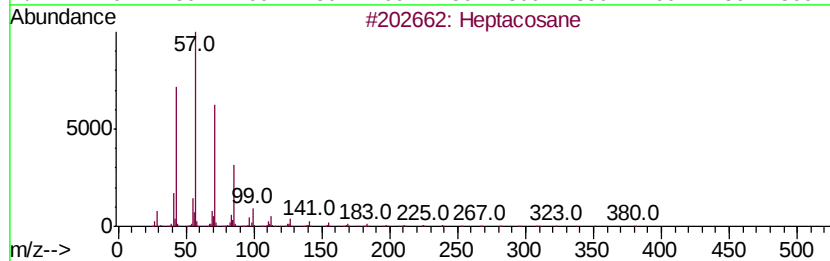
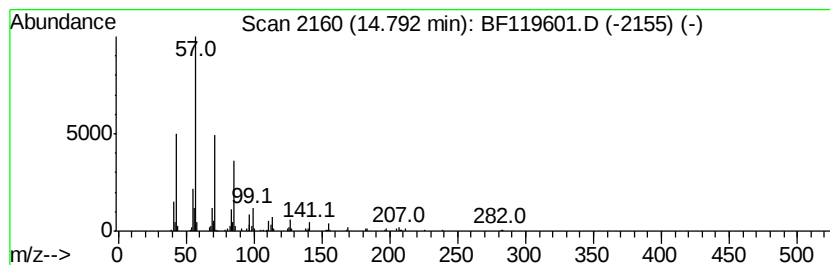
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 Hexacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.79 | 3.67 ng | 253316 | Perylene-d12     | 15.46 |

| Hit# of | 5               | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------|--------------|-----|---------|-------------|------|
| 1       | Heptacosane     |              | 380 | C27H56  | 000593-49-7 | 91   |
| 2       | Hexacosane      |              | 366 | C26H54  | 000630-01-3 | 90   |
| 3       | Hexatriacontane |              | 507 | C36H74  | 000630-06-8 | 87   |
| 4       | Heneicosane     |              | 296 | C21H44  | 000629-94-7 | 87   |
| 5       | Octacosane      |              | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\  
Data File : BF119601.D  
Acq On : 28 Mar 2020 7:21  
Operator : CG/JU  
Sample : L2049-01  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

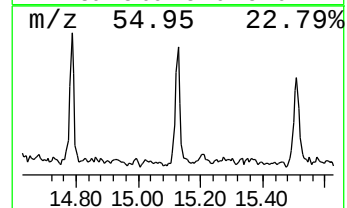
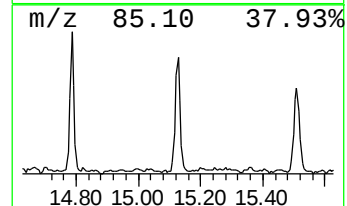
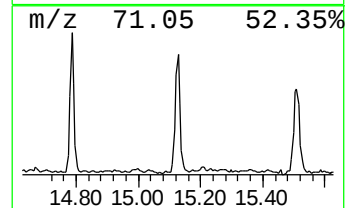
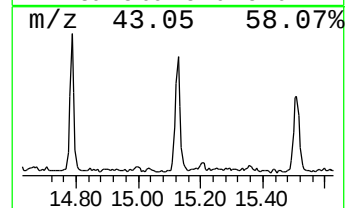
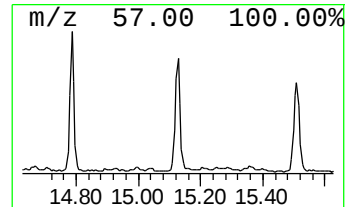
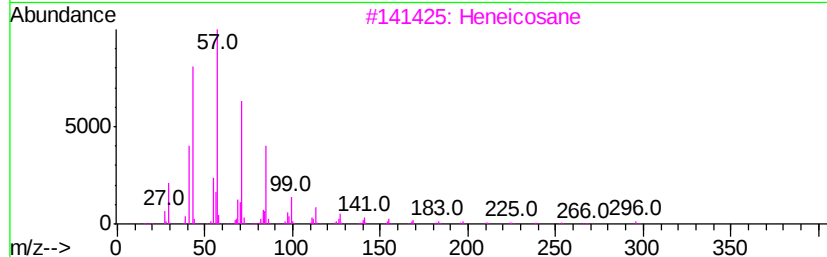
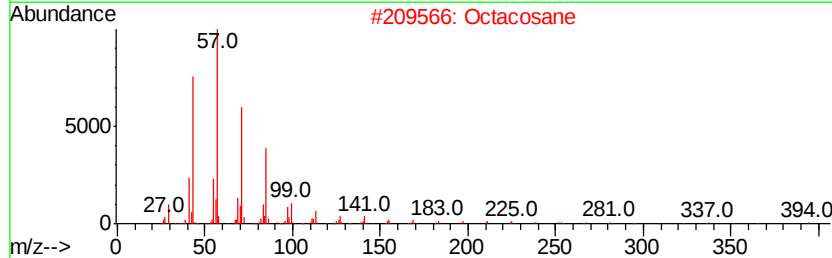
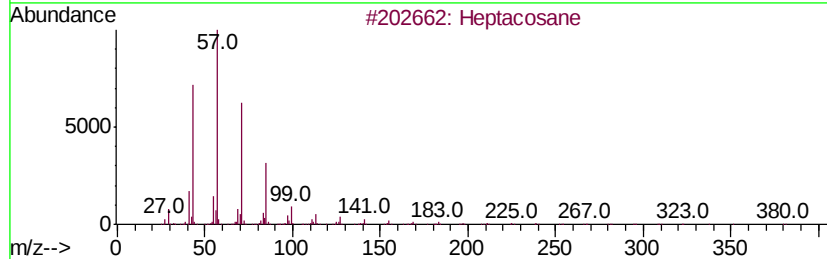
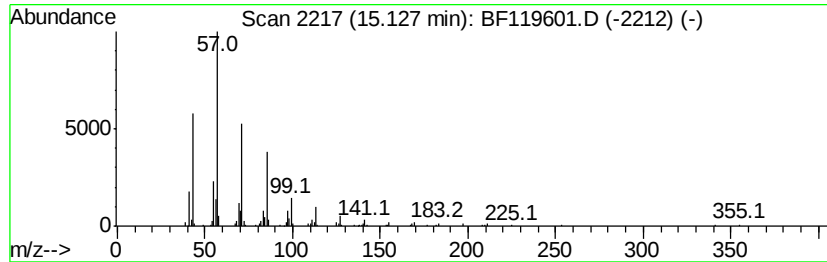
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.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 Tridecane, 1-iodo- Concentration Rank 5

| R.T.      | EstConc            | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------|--------|------------------|-------------|------|
| 15.13     | 3.98 ng            | 274809 | Perylene-d12     | 15.46       |      |
| Hit# of 5 | Tentative ID       | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptacosane        | 380    | C27H56           | 000593-49-7 | 91   |
| 2         | Octacosane         | 394    | C28H58           | 000630-02-4 | 90   |
| 3         | Heneicosane        | 296    | C21H44           | 000629-94-7 | 90   |
| 4         | Tridecane, 1-iodo- | 310    | C13H27I          | 035599-77-0 | 87   |
| 5         | Hexacosane         | 366    | C26H54           | 000630-01-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\  
Data File : BF119601.D  
Acq On : 28 Mar 2020 7:21  
Operator : CG/JU  
Sample : L2049-01  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

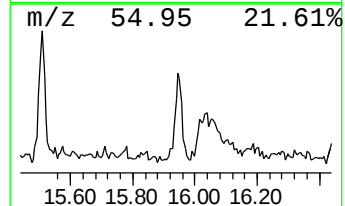
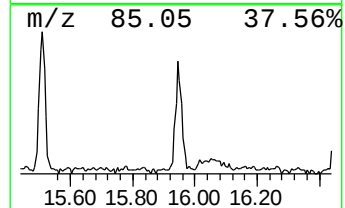
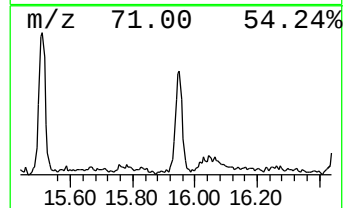
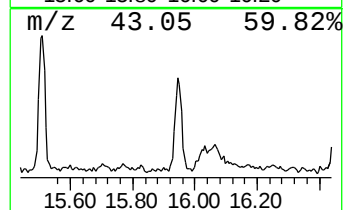
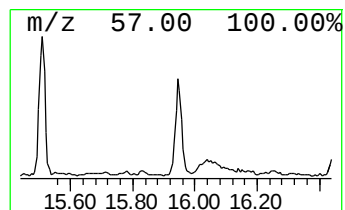
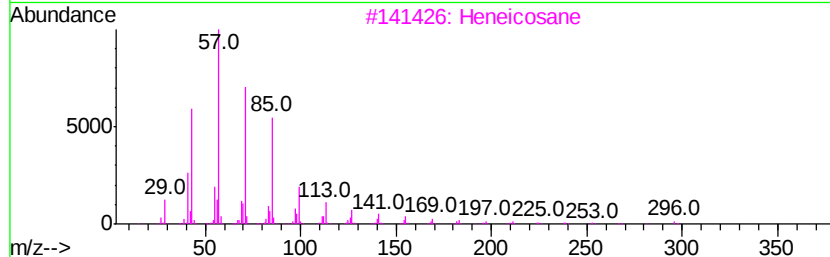
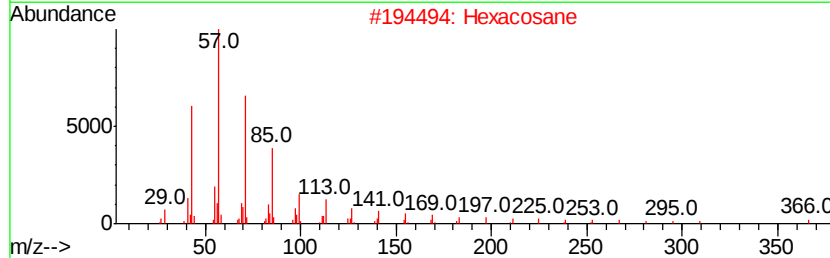
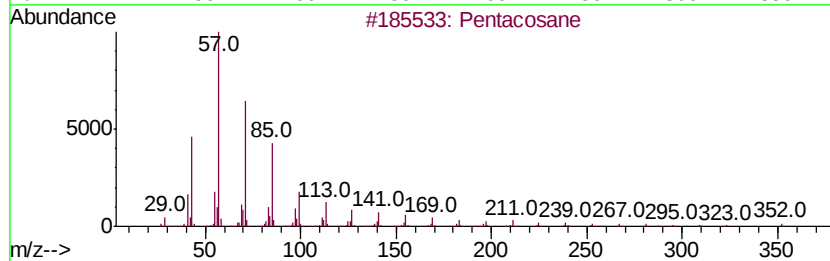
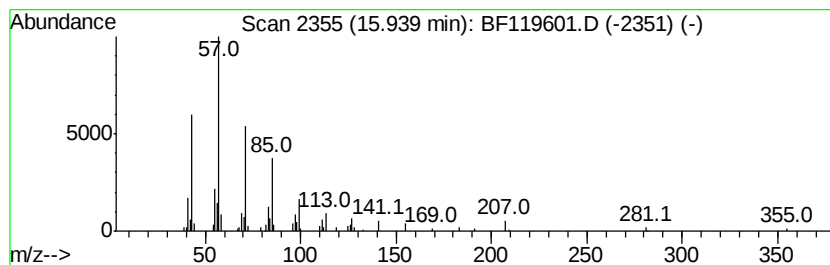
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Pentacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.94 | 2.83 ng | 195468 | Perylene-d12     | 15.46 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|--------------------|--------------|-----|----------|--------------|------|
| 1       | Pentacosane        |              | 352 | C25H52   | 000629-99-2  | 91   |
| 2       | Hexacosane         |              | 366 | C26H54   | 000630-01-3  | 90   |
| 3       | Heneicosane        |              | 296 | C21H44   | 000629-94-7  | 87   |
| 4       | 2-Bromotetradecane |              | 276 | C14H29Br | 074036-95-6  | 86   |
| 5       | 2-methyloctacosane |              | 408 | C29H60   | 1000376-72-8 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032720\  
Data File : BF119601.D  
Acq On : 28 Mar 2020 7:21  
Operator : CG/JU  
Sample : L2049-01  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.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... | 5.04  | 4.5     | ng    | 352241   | 1                     | 6.83  | 1580370 | 20.0 |
| n-Hexadecanoic acid  | 11.89 | 4.5     | ng    | 504191   | 4                     | 11.36 | 2246620 | 20.0 |
| Cycloeicosane        | 13.86 | 15.2    | ng    | 1317090  | 5                     | 14.00 | 1738090 | 20.0 |
| Heptacosane          | 14.48 | 2.5     | ng    | 212725   | 5                     | 14.00 | 1738090 | 20.0 |
| Hexacosane           | 14.79 | 3.7     | ng    | 253316   | 6                     | 15.46 | 1381090 | 20.0 |
| Tridecane, 1-iodo-   | 15.13 | 4.0     | ng    | 274809   | 6                     | 15.46 | 1381090 | 20.0 |
| Pentacosane          | 15.94 | 2.8     | ng    | 195468   | 6                     | 15.46 | 1381090 | 20.0 |