

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121719\  
 Data File : BF118247.D  
 Acq On : 18 Dec 2019 1:00  
 Operator : JU  
 Sample : K6112-05 2X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-121219

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-BF120619.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         | 513          | rVB      | 167352         | 176901        | 12.86%          | 1.109%        |
| 2         | 5.469       | 572           | 575         | 590          | rBV      | 982955         | 1051122       | 76.41%          | 6.590%        |
| 3         | 6.487       | 745           | 748         | 764          | rBV      | 1163437        | 1178560       | 85.67%          | 7.389%        |
| 4         | 6.628       | 768           | 772         | 778          | rBV      | 1533365        | 1229483       | 89.37%          | 7.708%        |
| 5         | 6.857       | 808           | 811         | 820          | rBV      | 792089         | 688426        | 50.04%          | 4.316%        |
| 6         | 7.016       | 834           | 838         | 848          | rBV      | 1201071        | 978038        | 71.09%          | 6.132%        |
| 7         | 7.422       | 903           | 907         | 918          | rBV      | 751304         | 669846        | 48.69%          | 4.200%        |
| 8         | 8.145       | 1027          | 1030        | 1049         | rVB      | 946987         | 885277        | 64.35%          | 5.550%        |
| 9         | 9.222       | 1210          | 1213        | 1223         | rBV      | 1580780        | 1375698       | 100.00%         | 8.625%        |
| 10        | 9.622       | 1278          | 1281        | 1289         | rVB      | 54502          | 57333         | 4.17%           | 0.359%        |
| 11        | 9.769       | 1303          | 1306        | 1312         | rVB      | 28622          | 24401         | 1.77%           | 0.153%        |
| 12        | 9.910       | 1326          | 1330        | 1334         | rBV      | 1073209        | 915109        | 66.52%          | 5.737%        |
| 13        | 9.939       | 1334          | 1335        | 1343         | rVB2     | 20258          | 21053         | 1.53%           | 0.132%        |
| 14        | 10.116      | 1359          | 1365        | 1368         | rBV3     | 14852          | 20546         | 1.49%           | 0.129%        |
| 15        | 10.463      | 1420          | 1424        | 1430         | rVB      | 25761          | 31030         | 2.26%           | 0.195%        |
| 16        | 10.698      | 1461          | 1464        | 1475         | rVB      | 715396         | 715039        | 51.98%          | 4.483%        |
| 17        | 10.810      | 1481          | 1483        | 1484         | rBV      | 22216          | 17273         | 1.26%           | 0.108%        |
| 18        | 11.257      | 1556          | 1559        | 1562         | rBV2     | 20130          | 21157         | 1.54%           | 0.133%        |
| 19        | 11.292      | 1562          | 1565        | 1570         | rVB3     | 20625          | 31564         | 2.29%           | 0.198%        |
| 20        | 11.404      | 1580          | 1584        | 1586         | rBV      | 892532         | 813628        | 59.14%          | 5.101%        |
| 21        | 11.427      | 1586          | 1588        | 1594         | rVV      | 218702         | 192367        | 13.98%          | 1.206%        |
| 22        | 11.480      | 1594          | 1597        | 1600         | rVB      | 48935          | 46749         | 3.40%           | 0.293%        |
| 23        | 11.645      | 1620          | 1625        | 1629         | rBV5     | 12807          | 23892         | 1.74%           | 0.150%        |
| 24        | 11.686      | 1629          | 1632        | 1636         | rVB2     | 22767          | 22817         | 1.66%           | 0.143%        |
| 25        | 11.786      | 1646          | 1649        | 1652         | rVB      | 63421          | 52207         | 3.79%           | 0.327%        |
| 26        | 11.922      | 1666          | 1672        | 1680         | rBV3     | 83794          | 164444        | 11.95%          | 1.031%        |
| 27        | 12.022      | 1686          | 1689        | 1691         | rBV2     | 53556          | 54044         | 3.93%           | 0.339%        |
| 28        | 12.098      | 1699          | 1702        | 1704         | rBV2     | 28266          | 22603         | 1.64%           | 0.142%        |
| 29        | 12.204      | 1717          | 1720        | 1723         | rBV      | 19141          | 20343         | 1.48%           | 0.128%        |
| 30        | 12.380      | 1748          | 1750        | 1753         | rBV2     | 21155          | 20128         | 1.46%           | 0.126%        |
| 31        | 12.457      | 1758          | 1763        | 1764         | rBV      | 46488          | 51846         | 3.77%           | 0.325%        |
| 32        | 12.480      | 1764          | 1767        | 1768         | rVV      | 196874         | 197914        | 14.39%          | 1.241%        |
| 33        | 12.498      | 1768          | 1770        | 1776         | rVB3     | 235016         | 209600        | 15.24%          | 1.314%        |
| 34        | 12.545      | 1776          | 1778        | 1782         | rVB4     | 16330          | 17590         | 1.28%           | 0.110%        |

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

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-BF120619.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.580 | 1782 | 1784 | 1787 | rBV2 | 31283   | 30186   | 2.19%  | 0.189% |
| 36 | 12.622 | 1788 | 1791 | 1795 | rBV  | 281491  | 237874  | 17.29% | 1.491% |
| 37 | 12.716 | 1804 | 1807 | 1812 | rBV  | 38599   | 43525   | 3.16%  | 0.273% |
| 38 | 12.851 | 1825 | 1830 | 1836 | rBV  | 240958  | 272486  | 19.81% | 1.708% |
| 39 | 12.910 | 1837 | 1840 | 1844 | rVB  | 25369   | 28492   | 2.07%  | 0.179% |
| 40 | 12.992 | 1850 | 1854 | 1857 | rBV  | 1392605 | 1171108 | 85.13% | 7.343% |
| 41 | 13.180 | 1884 | 1886 | 1889 | rVB  | 54423   | 43085   | 3.13%  | 0.270% |
| 42 | 13.216 | 1890 | 1892 | 1895 | rBV  | 42010   | 43016   | 3.13%  | 0.270% |
| 43 | 13.251 | 1895 | 1898 | 1901 | rVB  | 43078   | 43935   | 3.19%  | 0.275% |
| 44 | 13.286 | 1901 | 1904 | 1906 | rBV2 | 42150   | 41986   | 3.05%  | 0.263% |
| 45 | 13.563 | 1948 | 1951 | 1953 | rBV2 | 60325   | 62875   | 4.57%  | 0.394% |
| 46 | 13.892 | 2004 | 2007 | 2013 | rVB2 | 144453  | 181294  | 13.18% | 1.137% |
| 47 | 14.057 | 2030 | 2035 | 2038 | rBV2 | 763833  | 809843  | 58.87% | 5.077% |
| 48 | 14.210 | 2058 | 2061 | 2066 | rBV2 | 83884   | 97910   | 7.12%  | 0.614% |
| 49 | 14.516 | 2110 | 2113 | 2115 | rBV  | 94177   | 86061   | 6.26%  | 0.540% |
| 50 | 14.827 | 2164 | 2166 | 2170 | rVB  | 69759   | 62390   | 4.54%  | 0.391% |
| 51 | 15.168 | 2222 | 2224 | 2229 | rVB  | 91546   | 98052   | 7.13%  | 0.615% |
| 52 | 15.551 | 2285 | 2289 | 2297 | rVB  | 426079  | 597568  | 43.44% | 3.747% |

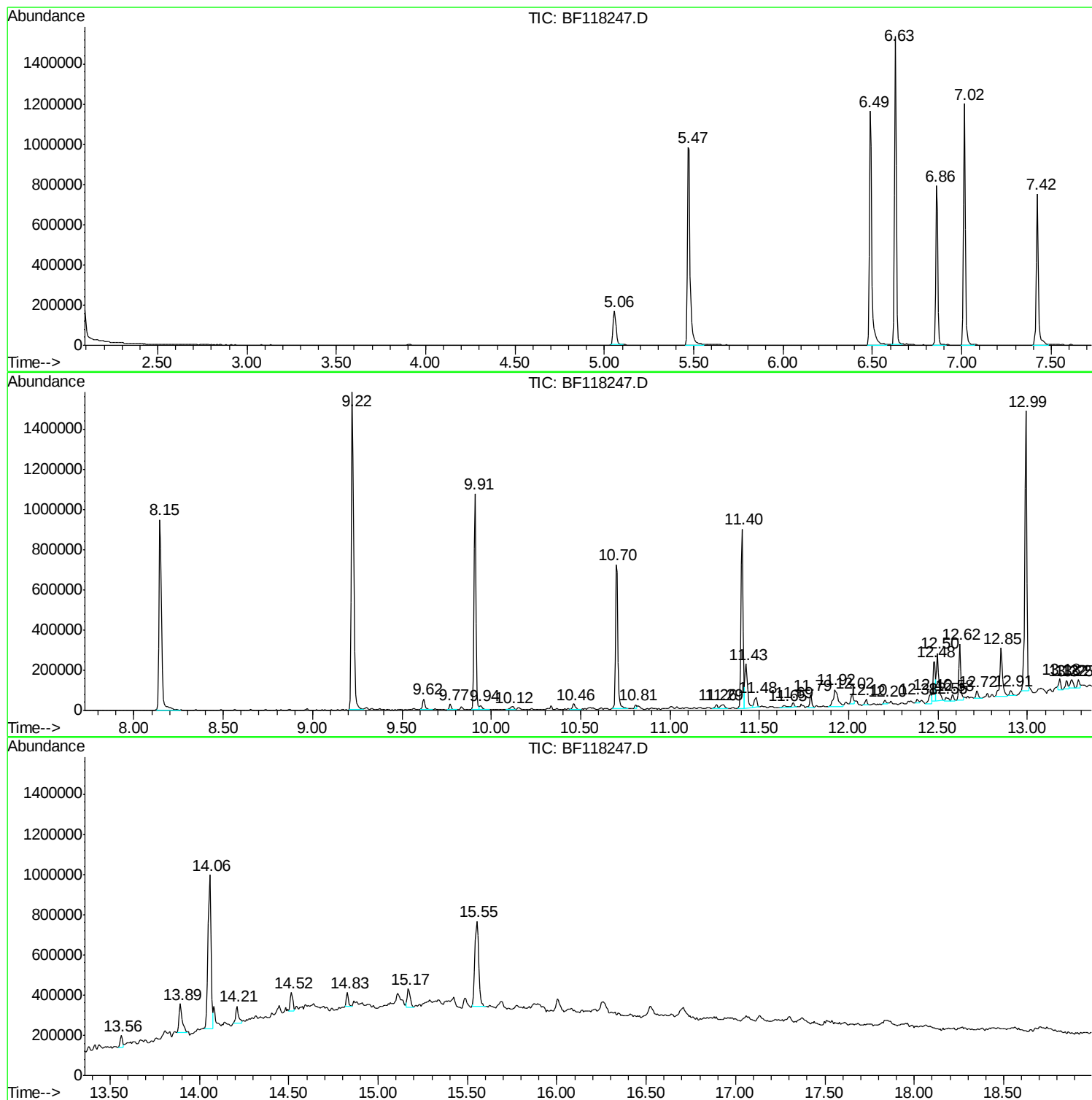
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

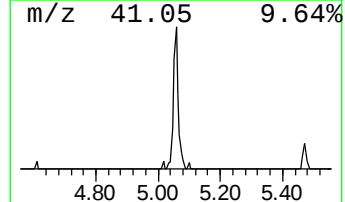
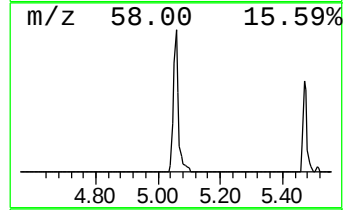
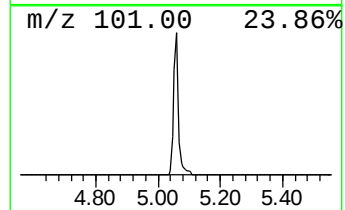
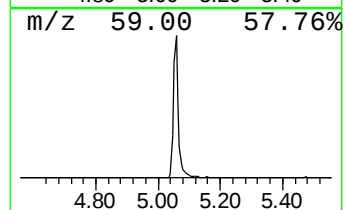
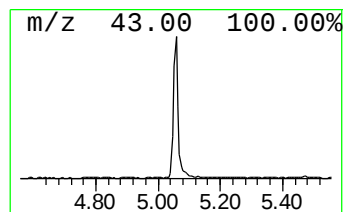
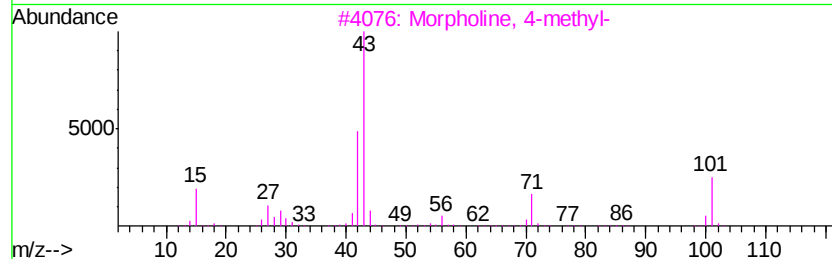
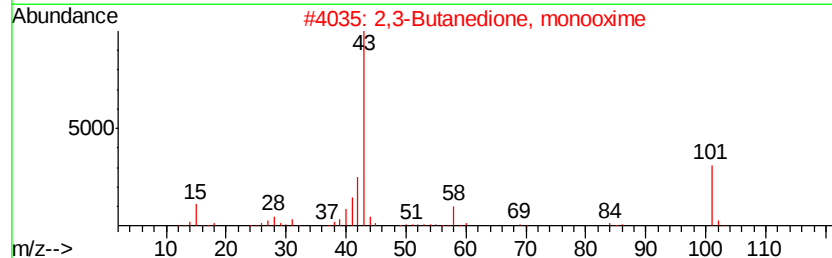
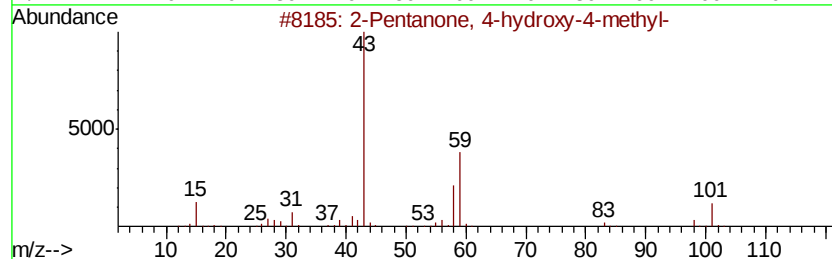
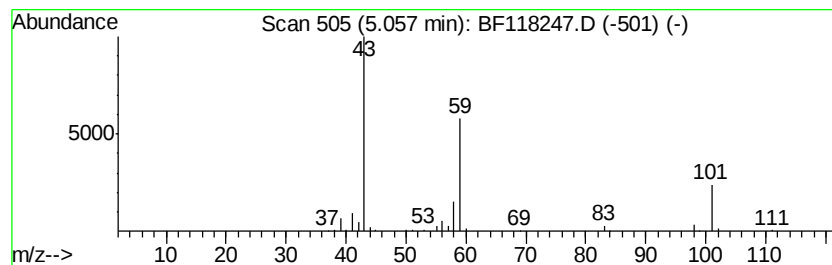
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.06 | 5.14 ng | 176901 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | 2,3-Butanedione, monooxime         | 101 | C4H7NO2 | 000057-71-6 | 17   |
| 3    |    |   | Morpholine, 4-methyl-              | 101 | C5H11NO | 000109-02-4 | 9    |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 5    |    |   | 5-Hexen-2-one                      | 98  | C6H10O  | 000109-49-9 | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

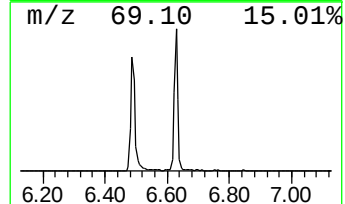
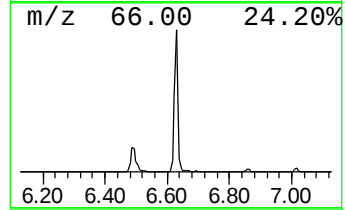
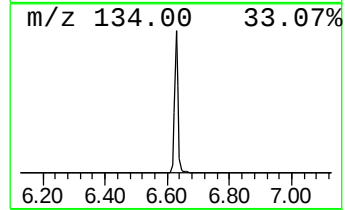
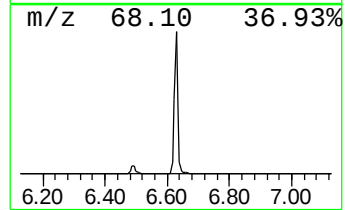
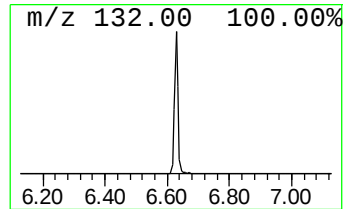
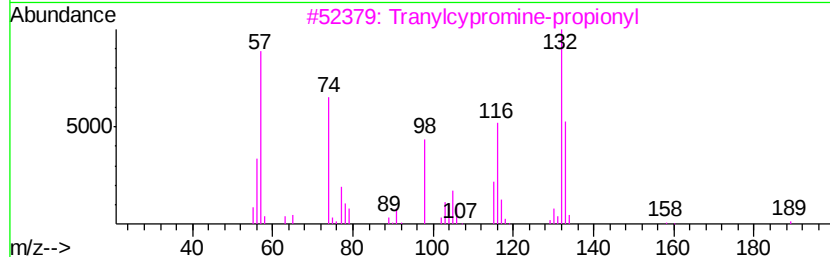
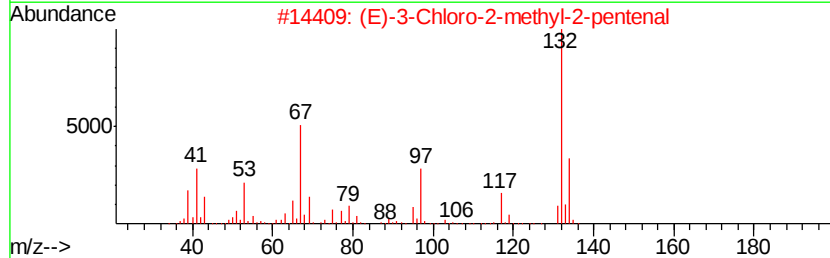
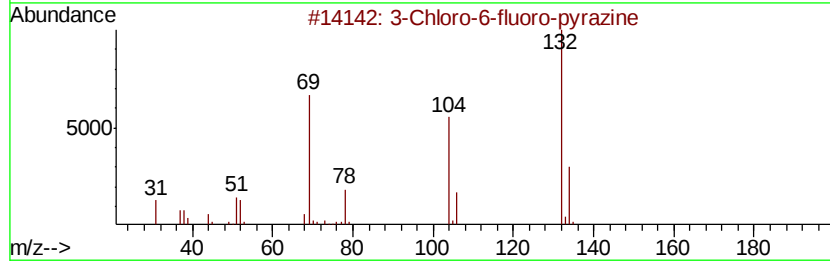
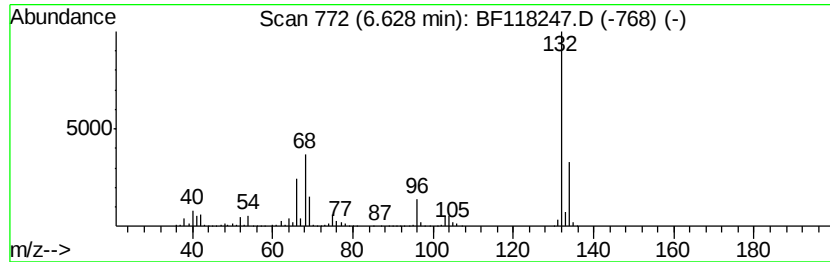
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.63 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.63 | 35.72 ng | 1229480 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 9    |



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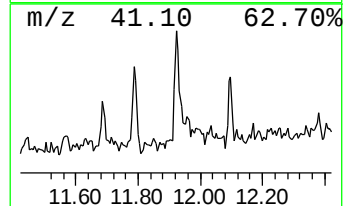
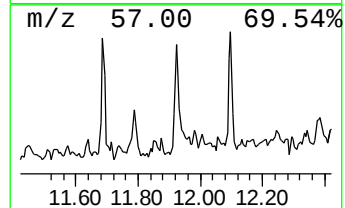
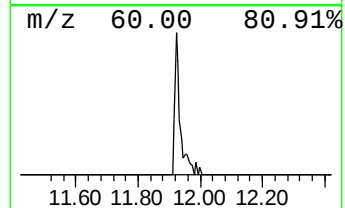
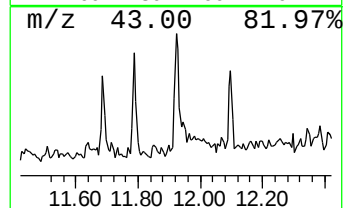
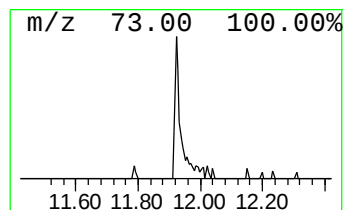
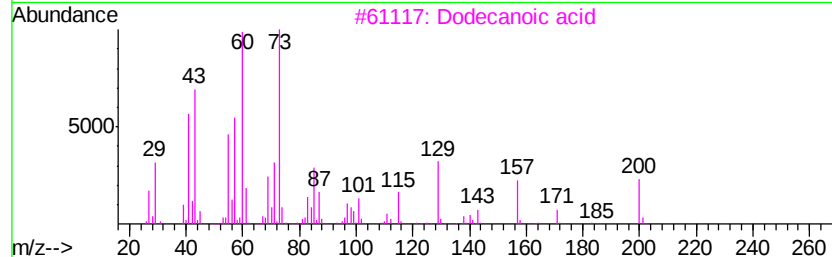
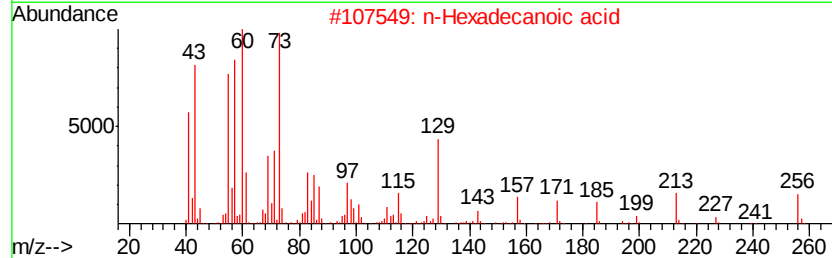
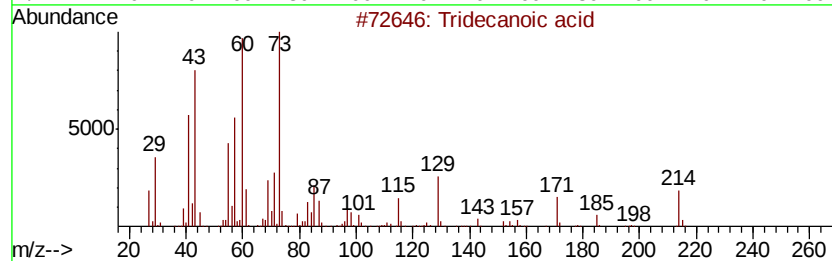
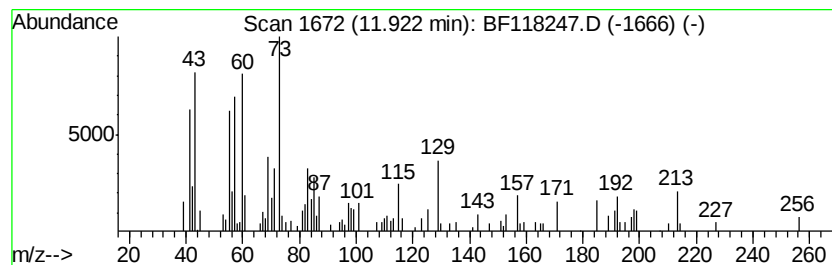
Instrument :  
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ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Tridecanoic acid Concentration Rank 7

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 11.92     | 4.04 ng             | 164444 | Phenanthrene-d10 |             | 11.40 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 96    |
| 2         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 93    |
| 3         | Dodecanoic acid     | 200    | C12H24O2         | 000143-07-7 | 62    |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 58    |
| 5         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 53    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

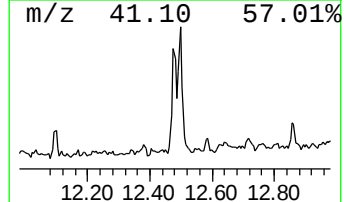
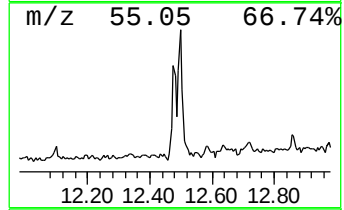
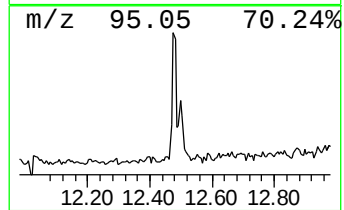
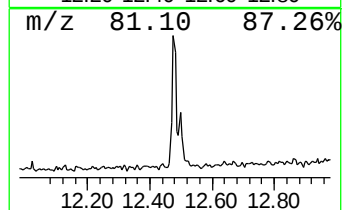
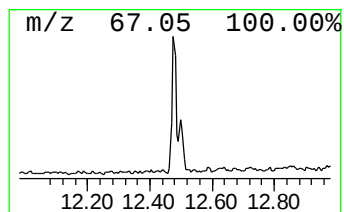
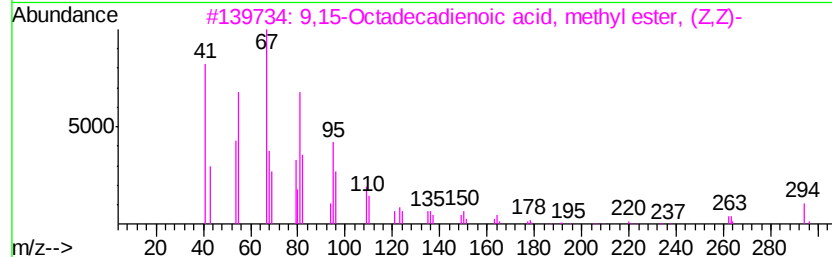
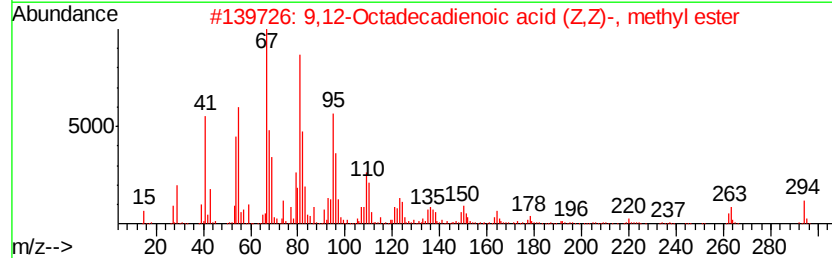
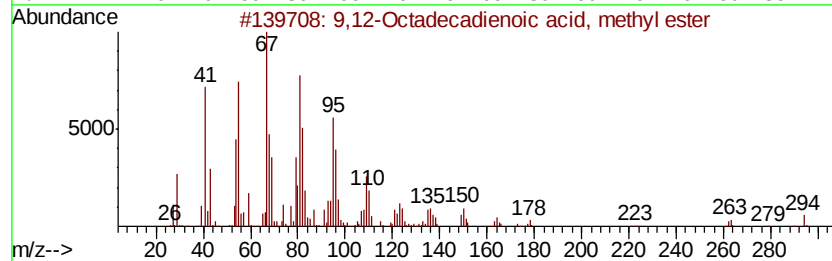
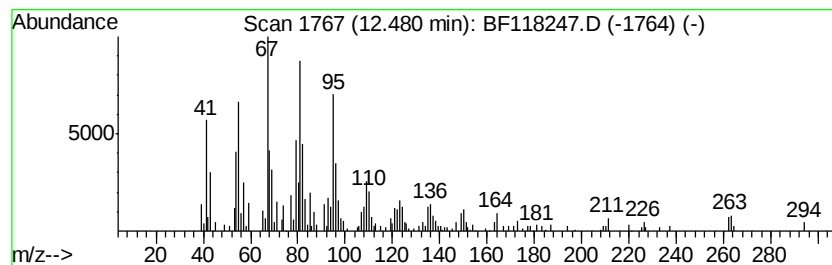
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.48 | 4.86 ng | 197914 | Phenanthrene-d10 | 11.40 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 9,12-Octadecadienoic acid, methv... | 294 | C19H34O2     | 002462-85-3 | 99      |      |      |
| 2    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2     | 000112-63-0 | 98      |      |      |
| 3    | 9,15-Octadecadienoic acid, methv... | 294 | C19H34O2     | 017309-05-6 | 96      |      |      |
| 4    | 9,17-Octadecadienal, (Z)-           | 264 | C18H32O      | 056554-35-9 | 91      |      |      |
| 5    | 9,12-Octadecadienoic acid (Z,Z)-... | 354 | C21H38O4     | 002277-28-3 | 91      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

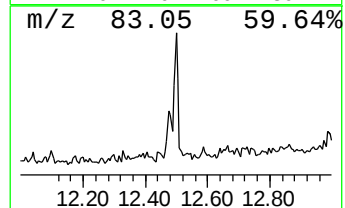
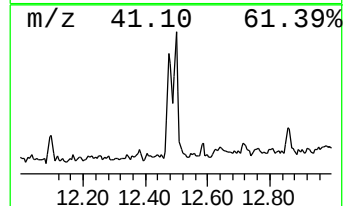
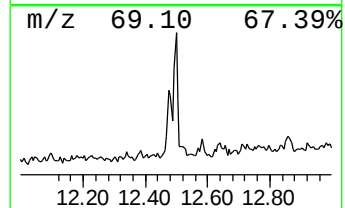
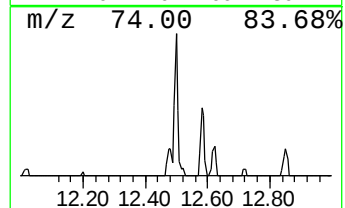
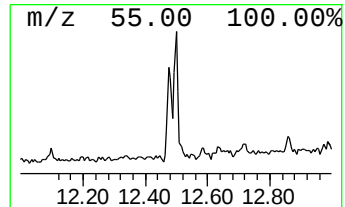
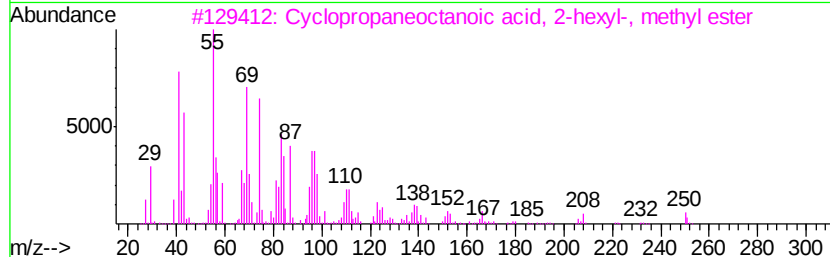
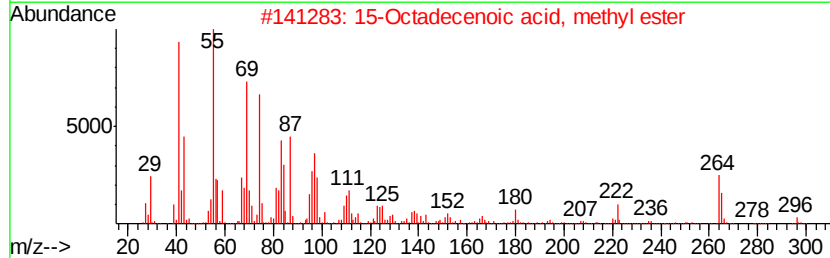
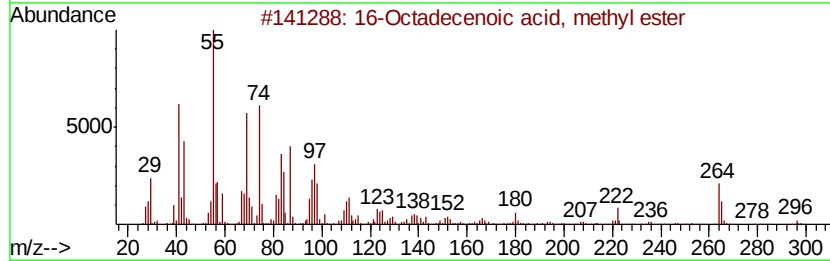
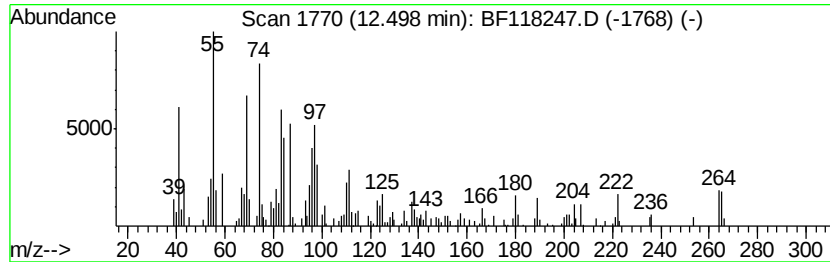
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 16-Octadecenoic acid, methyl ester Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.50 | 5.15 ng | 209600 | Phenanthrene-d10 | 11.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 16-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-49-5 | 91   |
| 2    |    | 15-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 004764-72-1 | 87   |
| 3    |    | Cyclopropaneoctanoic acid, 2-hexyl- | 282 | C18H34O2 | 010152-61-1 | 87   |
| 4    |    | 13-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-47-3 | 87   |
| 5    |    | 14-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-48-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

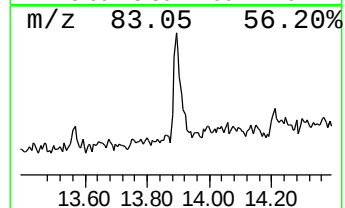
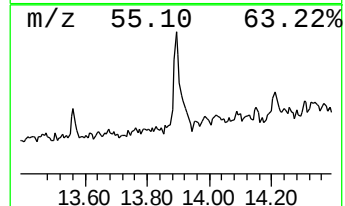
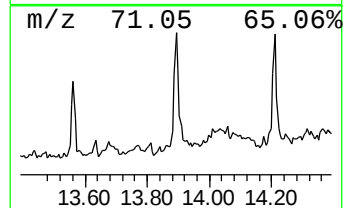
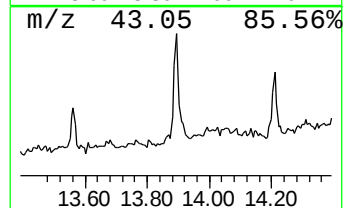
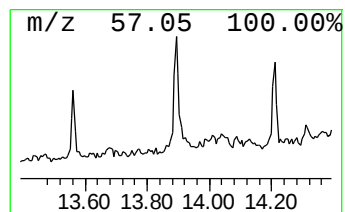
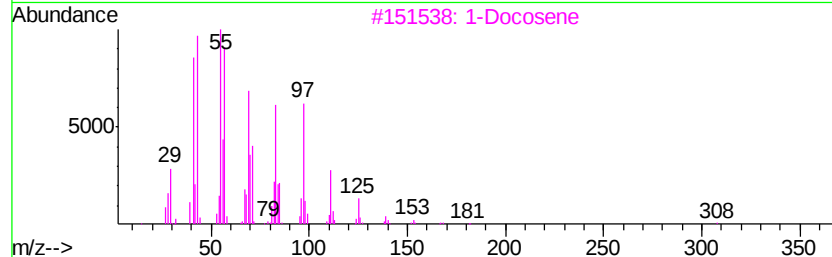
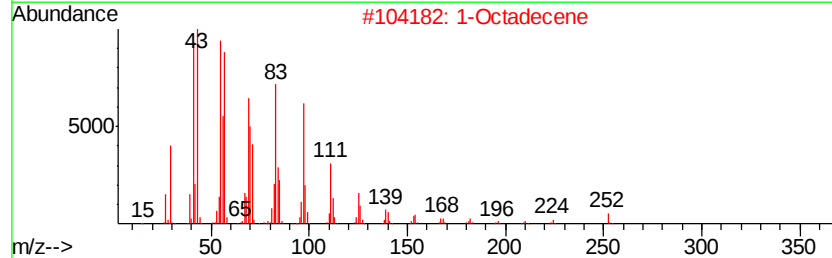
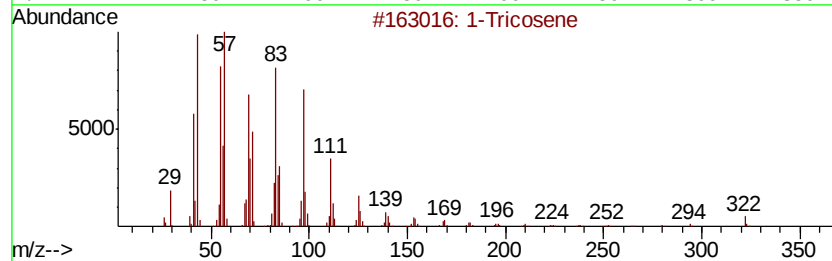
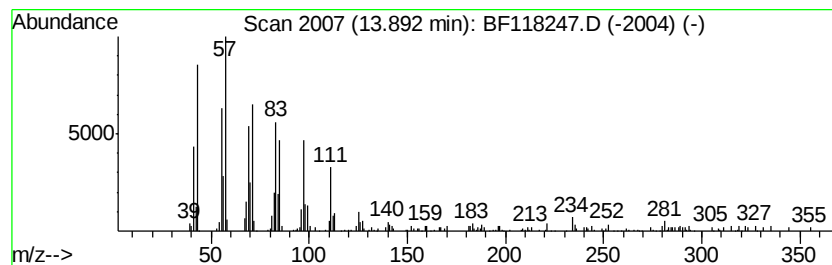
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.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 1-Tricosene Concentration Rank 6

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 13.89     | 4.48 ng             | 181294 | Chrysene-d12     | 14.06       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Tricosene         | 322    | C23H46           | 018835-32-0 | 95   |
| 2         | 1-Octadecene        | 252    | C18H36           | 000112-88-9 | 95   |
| 3         | 1-Docosene          | 308    | C22H44           | 001599-67-3 | 92   |
| 4         | Cycloeicosane       | 280    | C20H40           | 000296-56-0 | 91   |
| 5         | 1-Decanol, 2-octyl- | 270    | C18H38O          | 045235-48-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

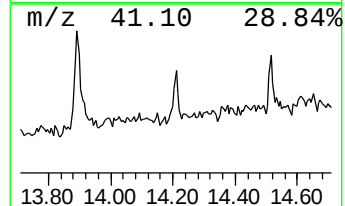
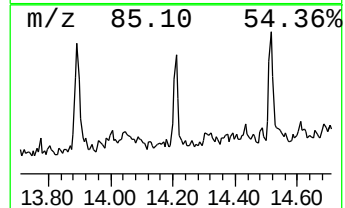
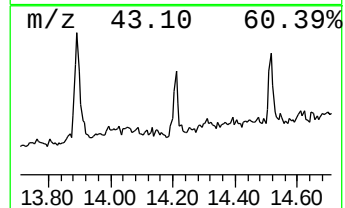
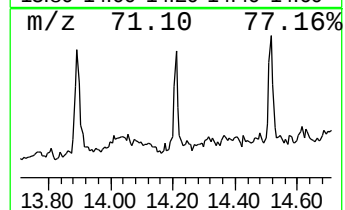
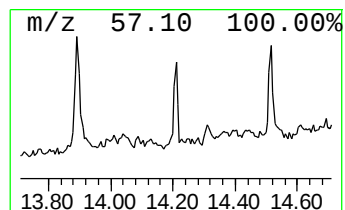
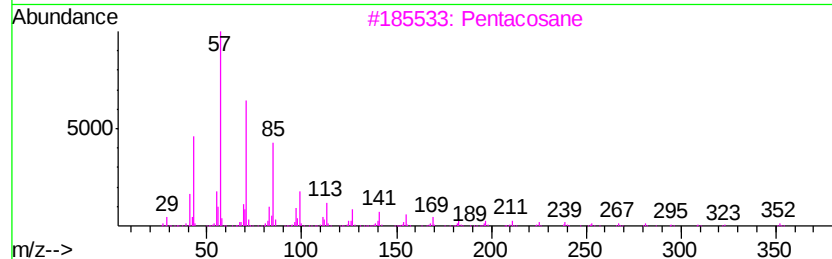
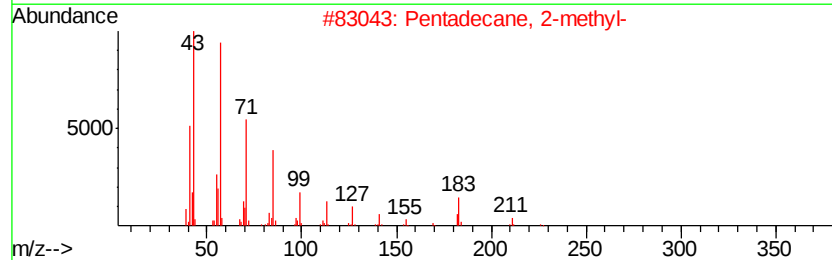
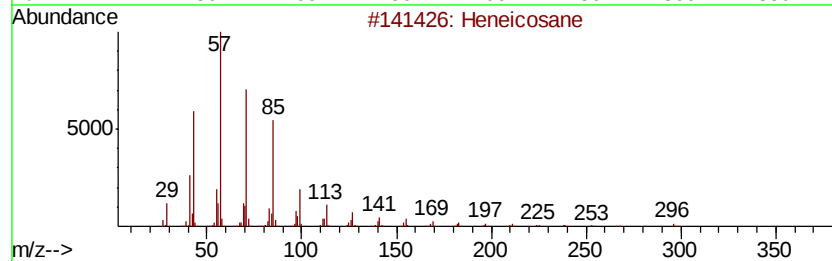
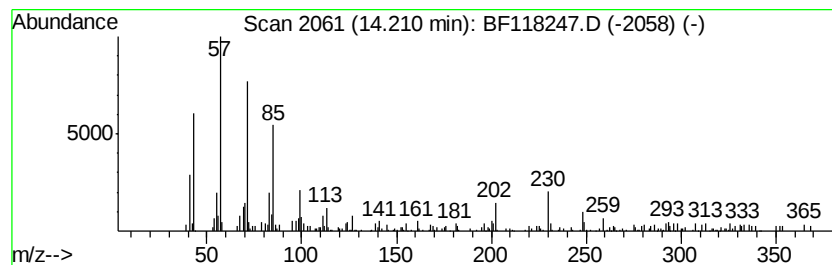
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heneicosane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.21 | 2.42 ng | 97910 | Chrysene-d12     | 14.06 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane            | 296 | C21H44  | 000629-94-7  | 86   |
| 2    |    | Pentadecane, 2-methyl- | 226 | C16H34  | 001560-93-6  | 70   |
| 3    |    | Pentacosane            | 352 | C25H52  | 000629-99-2  | 70   |
| 4    |    | Tetradecane            | 198 | C14H30  | 000629-59-4  | 64   |
| 5    |    | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

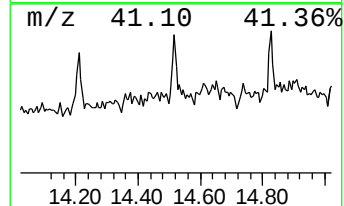
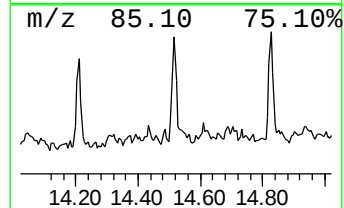
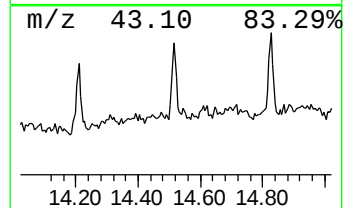
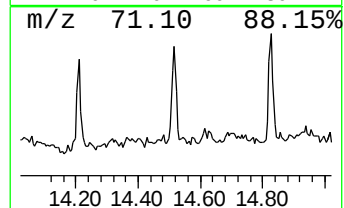
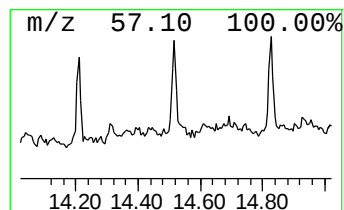
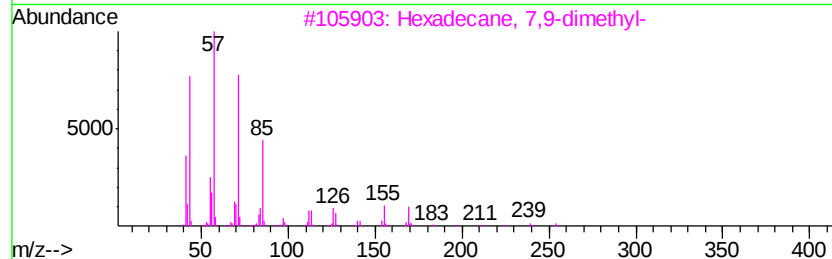
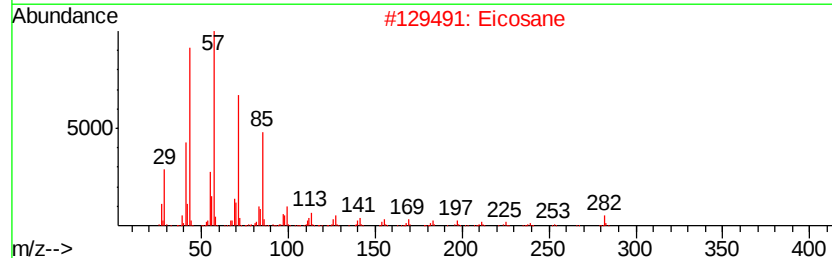
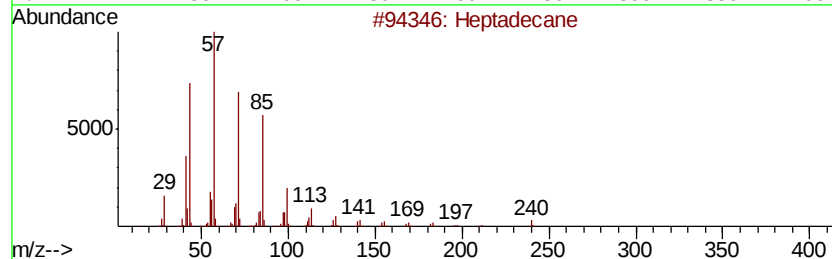
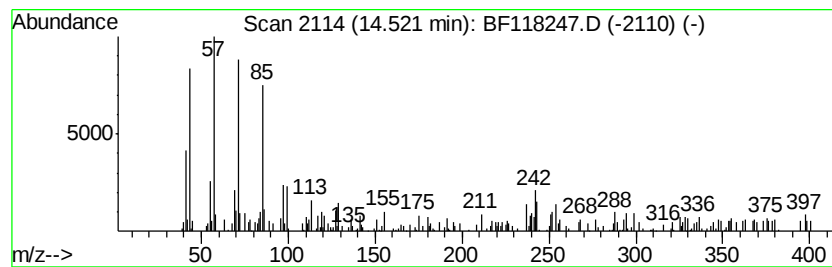
Instrument :  
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ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.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 Heptadecane Concentration Rank 10

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 14.52   | 2.13 ng                   | 86061        | Chrysene-d12     | 14.06     |
| Hit# of | 5                         | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptadecane               | 240 C17H36   | 000629-78-7      | 90        |
| 2       | Eicosane                  | 282 C20H42   | 000112-95-8      | 89        |
| 3       | Hexadecane, 7,9-dimethyl- | 254 C18H38   | 021164-95-4      | 86        |
| 4       | Octadecane, 2-methyl-     | 268 C19H40   | 001560-88-9      | 74        |
| 5       | Tetracosane               | 338 C24H50   | 000646-31-1      | 74        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

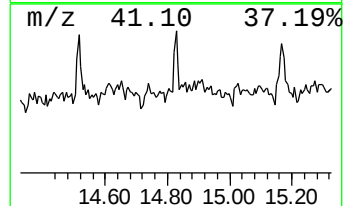
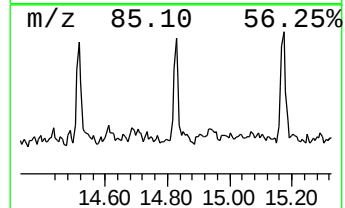
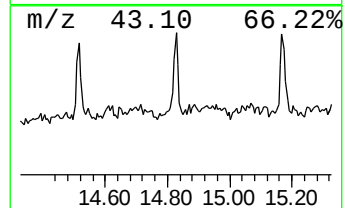
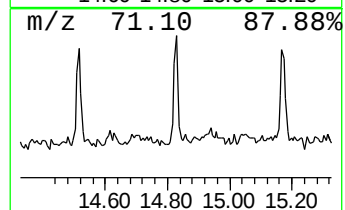
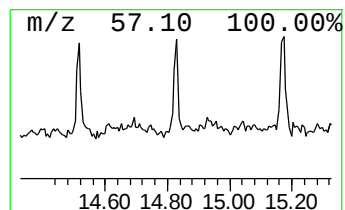
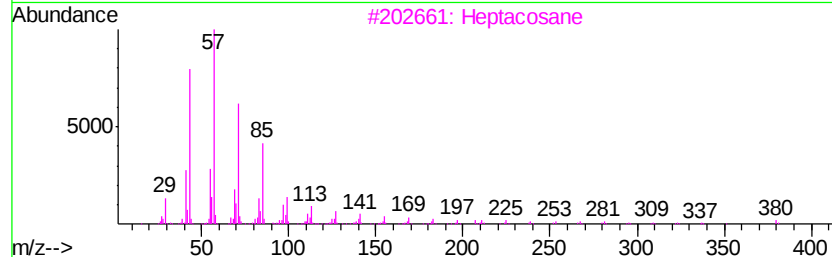
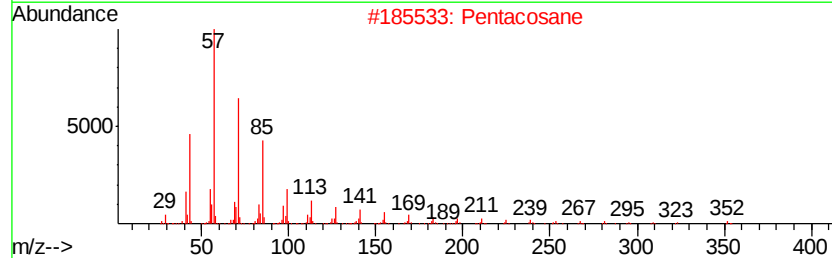
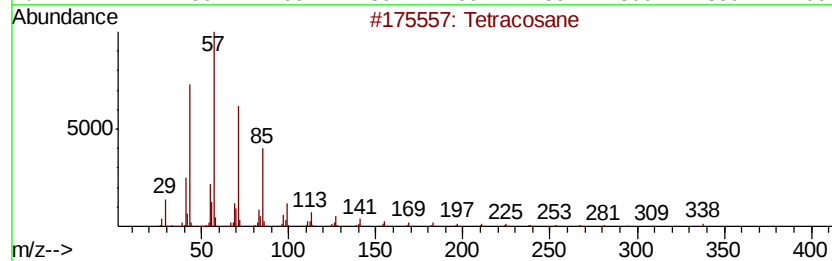
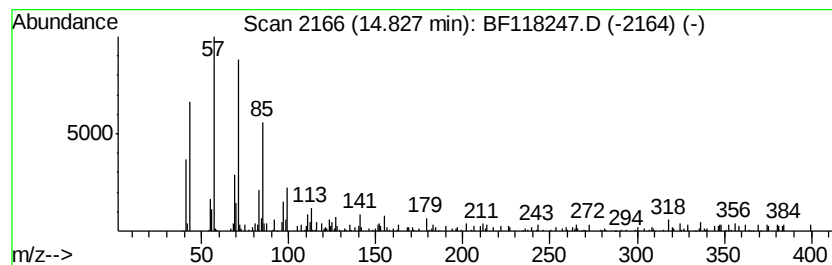
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetracosane Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.83 | 2.09 ng | 62390 | Perylene-d12     | 15.55 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Tetracosane           | 338 | C24H50  | 000646-31-1  | 90   |
| 2    |    | Pentacosane           | 352 | C25H52  | 000629-99-2  | 87   |
| 3    |    | Heptacosane           | 380 | C27H56  | 000593-49-7  | 86   |
| 4    |    | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9  | 81   |
| 5    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118247.D  
Acq On : 18 Dec 2019 1:00  
Operator : JU  
Sample : K6112-05 2X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
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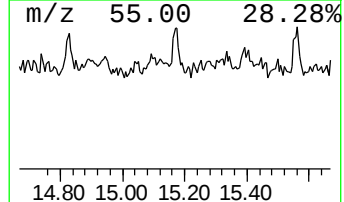
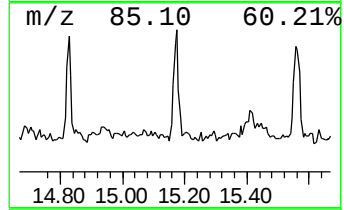
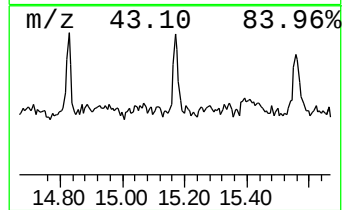
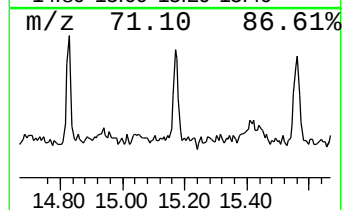
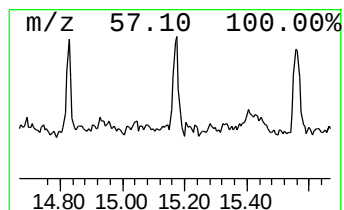
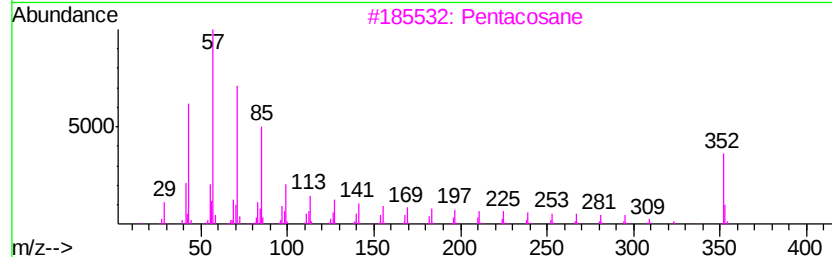
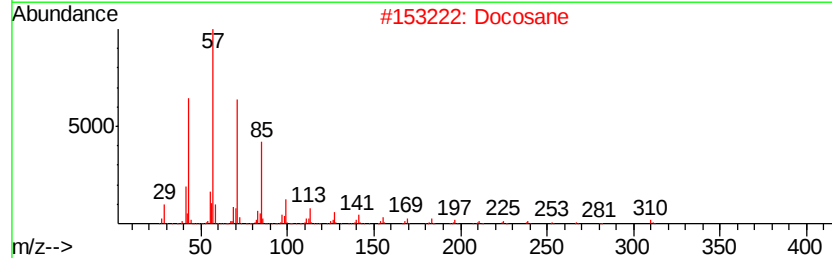
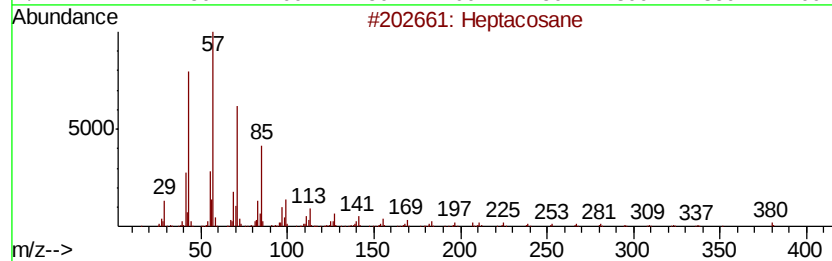
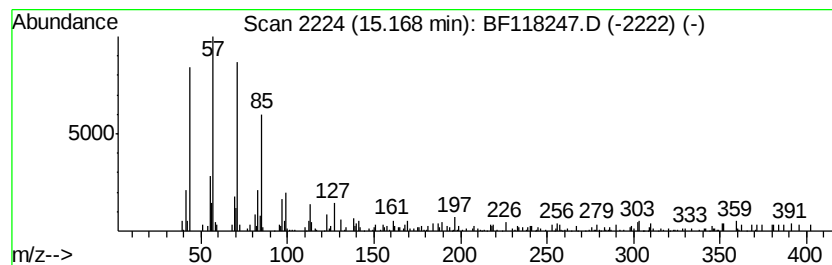
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Docosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.17 | 3.28 ng | 98052 | Perylene-d12     | 15.55 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane  | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Docosane     | 310 | C22H46  | 000629-97-0 | 90   |
| 3    |    | Pentacosane  | 352 | C25H52  | 000629-99-2 | 81   |
| 4    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 81   |
| 5    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121719\  
 Data File : BF118247.D  
 Acq On : 18 Dec 2019 1:00  
 Operator : JU  
 Sample : K6112-05 2X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-121219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120619.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  | 5.1 ng  |       | 176901   | 1                     | 6.86  | 688426 | 20.0 |
| unknown6.63          | 6.63  | 35.7 ng |       | 1229480  | 1                     | 6.86  | 688426 | 20.0 |
| Tridecanoic acid     | 11.92 | 4.0 ng  |       | 164444   | 4                     | 11.40 | 813628 | 20.0 |
| 9,12-Octadecadien... | 12.48 | 4.9 ng  |       | 197914   | 4                     | 11.40 | 813628 | 20.0 |
| 16-Octadecenoic a... | 12.50 | 5.2 ng  |       | 209600   | 4                     | 11.40 | 813628 | 20.0 |
| 1-Tricosene          | 13.89 | 4.5 ng  |       | 181294   | 5                     | 14.06 | 809843 | 20.0 |
| Heneicosane          | 14.21 | 2.4 ng  |       | 97910    | 5                     | 14.06 | 809843 | 20.0 |
| Heptadecane          | 14.52 | 2.1 ng  |       | 86061    | 5                     | 14.06 | 809843 | 20.0 |
| Tetracosane          | 14.83 | 2.1 ng  |       | 62390    | 6                     | 15.55 | 597568 | 20.0 |
| Docosane             | 15.17 | 3.3 ng  |       | 98052    | 6                     | 15.55 | 597568 | 20.0 |