

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
 Data File : BF108527.D  
 Acq On : 27 Aug 2018 23:40  
 Operator : JU/SJ  
 Sample : J4636-02  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BYR-2-E(6-7)

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-BF080818.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         | 5.237       | 489           | 493         | 502          | rVB      | 70287          | 81214         | 4.06%           | 0.356%        |
| 2         | 5.625       | 555           | 559         | 577          | rVB      | 1990501        | 1829858       | 91.49%          | 8.030%        |
| 3         | 6.619       | 724           | 728         | 744          | rBV      | 1959120        | 2000031       | 100.00%         | 8.777%        |
| 4         | 6.772       | 749           | 754         | 757          | rBV      | 2095413        | 1927995       | 96.40%          | 8.461%        |
| 5         | 7.001       | 789           | 793         | 796          | rBV      | 743427         | 642518        | 32.13%          | 2.820%        |
| 6         | 7.154       | 815           | 819         | 823          | rBV      | 1782998        | 1488919       | 74.44%          | 6.534%        |
| 7         | 7.560       | 884           | 888         | 891          | rBV      | 1325110        | 1186707       | 59.33%          | 5.208%        |
| 8         | 8.284       | 1007          | 1011        | 1014         | rBV      | 886110         | 736584        | 36.83%          | 3.233%        |
| 9         | 9.354       | 1189          | 1193        | 1196         | rBV      | 2453841        | 1993617       | 99.68%          | 8.749%        |
| 10        | 9.742       | 1256          | 1259        | 1267         | rVB      | 213014         | 200614        | 10.03%          | 0.880%        |
| 11        | 10.042      | 1306          | 1310        | 1314         | rBV2     | 849087         | 726773        | 36.34%          | 3.189%        |
| 12        | 10.078      | 1314          | 1316        | 1322         | rVB6     | 20665          | 27338         | 1.37%           | 0.120%        |
| 13        | 10.354      | 1360          | 1363        | 1367         | rBV3     | 19063          | 27613         | 1.38%           | 0.121%        |
| 14        | 10.448      | 1374          | 1379        | 1382         | rBV5     | 27154          | 28473         | 1.42%           | 0.125%        |
| 15        | 10.595      | 1400          | 1404        | 1410         | rVB4     | 12862          | 27194         | 1.36%           | 0.119%        |
| 16        | 10.672      | 1413          | 1417        | 1420         | rBV2     | 50854          | 52665         | 2.63%           | 0.231%        |
| 17        | 10.836      | 1441          | 1445        | 1453         | rBV      | 1077391        | 1030297       | 51.51%          | 4.521%        |
| 18        | 10.936      | 1458          | 1462        | 1470         | rVB      | 82675          | 113597        | 5.68%           | 0.499%        |
| 19        | 11.407      | 1538          | 1542        | 1545         | rBV2     | 44024          | 42525         | 2.13%           | 0.187%        |
| 20        | 11.536      | 1561          | 1564        | 1567         | rBV      | 698606         | 653379        | 32.67%          | 2.867%        |
| 21        | 11.560      | 1567          | 1568        | 1572         | rVV      | 129386         | 97874         | 4.89%           | 0.430%        |
| 22        | 11.613      | 1575          | 1577        | 1581         | rBV      | 34140          | 33402         | 1.67%           | 0.147%        |
| 23        | 11.766      | 1599          | 1603        | 1607         | rBV3     | 16385          | 30016         | 1.50%           | 0.132%        |
| 24        | 12.042      | 1647          | 1650        | 1652         | rBV      | 58955          | 58935         | 2.95%           | 0.259%        |
| 25        | 12.066      | 1652          | 1654        | 1659         | rVB2     | 34558          | 38580         | 1.93%           | 0.169%        |
| 26        | 12.119      | 1659          | 1663        | 1666         | rBV5     | 19076          | 25200         | 1.26%           | 0.111%        |
| 27        | 12.154      | 1666          | 1669        | 1672         | rBV2     | 44888          | 53105         | 2.66%           | 0.233%        |
| 28        | 12.366      | 1702          | 1705        | 1709         | rBV2     | 24292          | 24959         | 1.25%           | 0.110%        |
| 29        | 12.601      | 1740          | 1745        | 1747         | rBV3     | 43919          | 73196         | 3.66%           | 0.321%        |
| 30        | 12.683      | 1756          | 1759        | 1761         | rBV2     | 23302          | 25852         | 1.29%           | 0.113%        |
| 31        | 12.760      | 1768          | 1772        | 1775         | rVB      | 338797         | 307495        | 15.37%          | 1.349%        |
| 32        | 12.971      | 1804          | 1808        | 1809         | rBV2     | 84425          | 82271         | 4.11%           | 0.361%        |
| 33        | 12.989      | 1809          | 1811        | 1816         | rVB      | 325940         | 300496        | 15.02%          | 1.319%        |
| 34        | 13.124      | 1829          | 1834        | 1837         | rBV      | 1898112        | 1670484       | 83.52%          | 7.331%        |

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 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BYR-2-E(6-7)

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-BF080818.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.201 | 1844 | 1847 | 1852 | rBV3 | 26793  | 46574  | 2.33%  | 0.204% |
| 36 | 13.313 | 1864 | 1866 | 1871 | rVB2 | 59053  | 88920  | 4.45%  | 0.390% |
| 37 | 13.383 | 1875 | 1878 | 1880 | rVV2 | 52639  | 48977  | 2.45%  | 0.215% |
| 38 | 13.418 | 1880 | 1884 | 1887 | rVV2 | 29806  | 40556  | 2.03%  | 0.178% |
| 39 | 13.548 | 1904 | 1906 | 1909 | rBV3 | 38201  | 41290  | 2.06%  | 0.181% |
| 40 | 13.671 | 1924 | 1927 | 1930 | rBV2 | 61095  | 68757  | 3.44%  | 0.302% |
| 41 | 13.942 | 1970 | 1973 | 1975 | rBV2 | 36875  | 42896  | 2.14%  | 0.188% |
| 42 | 13.966 | 1975 | 1977 | 1979 | rVV2 | 33338  | 29744  | 1.49%  | 0.131% |
| 43 | 14.001 | 1980 | 1983 | 1986 | rVB3 | 120096 | 116346 | 5.82%  | 0.511% |
| 44 | 14.189 | 2010 | 2015 | 2018 | rBV2 | 844251 | 945478 | 47.27% | 4.149% |
| 45 | 14.218 | 2018 | 2020 | 2025 | rVB  | 210008 | 188034 | 9.40%  | 0.825% |
| 46 | 14.301 | 2032 | 2034 | 2035 | rBV  | 37602  | 34948  | 1.75%  | 0.153% |
| 47 | 14.318 | 2035 | 2037 | 2040 | rVB  | 169576 | 132421 | 6.62%  | 0.581% |
| 48 | 14.624 | 2086 | 2089 | 2094 | rVB  | 318910 | 299275 | 14.96% | 1.313% |
| 49 | 14.954 | 2141 | 2145 | 2149 | rVB  | 439800 | 441924 | 22.10% | 1.939% |
| 50 | 15.277 | 2197 | 2200 | 2203 | rBV  | 136260 | 203051 | 10.15% | 0.891% |
| 51 | 15.312 | 2203 | 2206 | 2211 | rVB2 | 543615 | 629383 | 31.47% | 2.762% |
| 52 | 15.612 | 2254 | 2257 | 2263 | rVB2 | 83608  | 114132 | 5.71%  | 0.501% |
| 53 | 15.677 | 2264 | 2268 | 2272 | rBV  | 117433 | 161423 | 8.07%  | 0.708% |
| 54 | 15.724 | 2272 | 2276 | 2278 | rBV  | 463434 | 603990 | 30.20% | 2.651% |
| 55 | 16.195 | 2351 | 2356 | 2363 | rVB  | 302945 | 483909 | 24.20% | 2.124% |
| 56 | 16.748 | 2445 | 2450 | 2457 | rVB2 | 148358 | 273315 | 13.67% | 1.199% |
| 57 | 17.848 | 2633 | 2637 | 2647 | rVB  | 42480  | 111517 | 5.58%  | 0.489% |

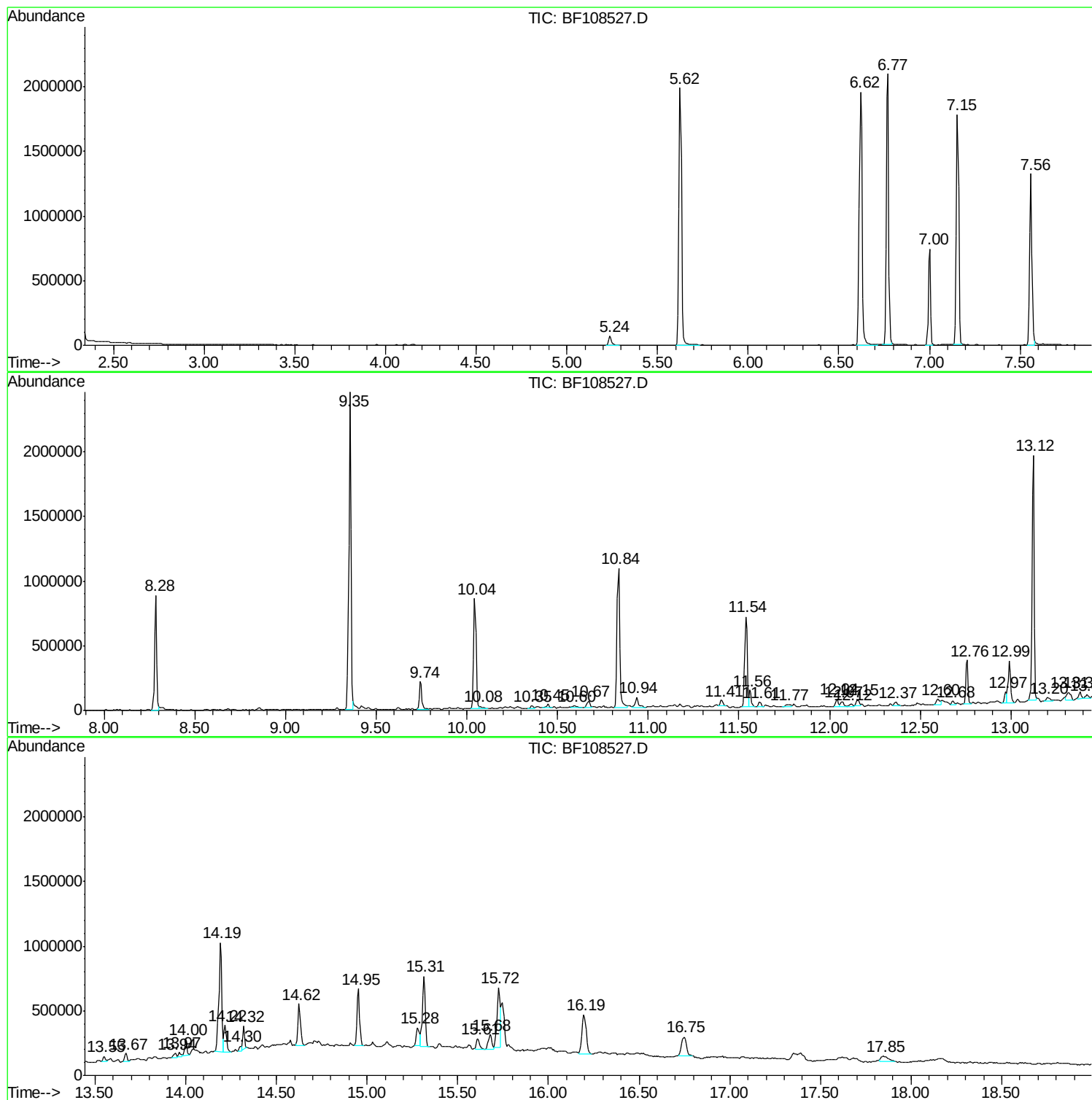
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BNA\_F  
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BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.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\BF082718\  
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Acq On : 27 Aug 2018 23:40  
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Sample : J4636-02  
Misc :  
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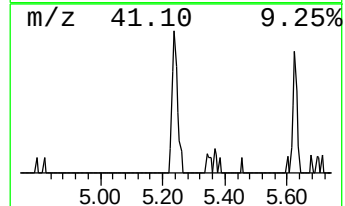
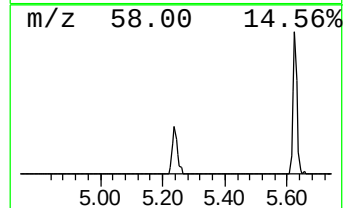
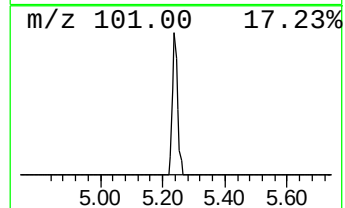
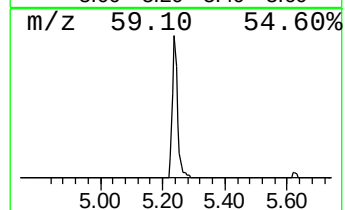
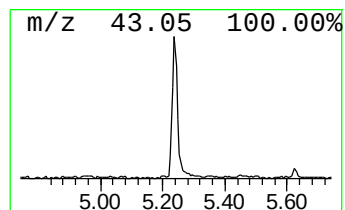
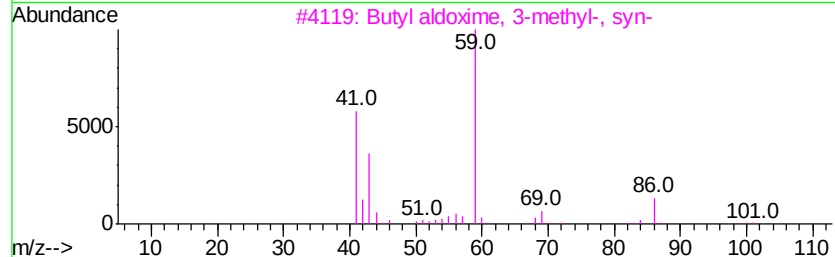
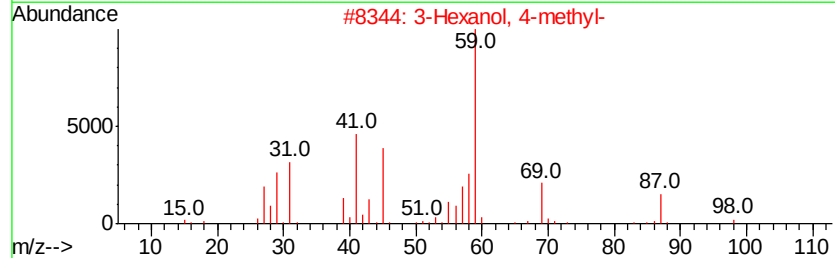
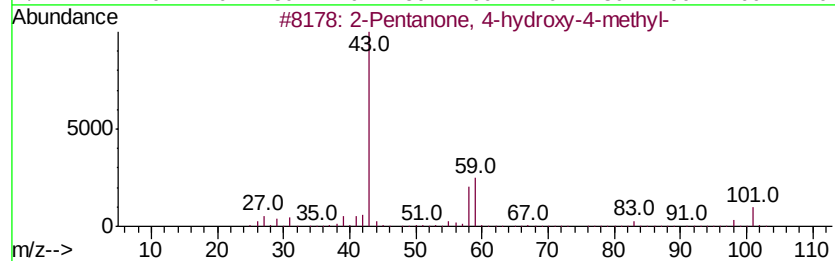
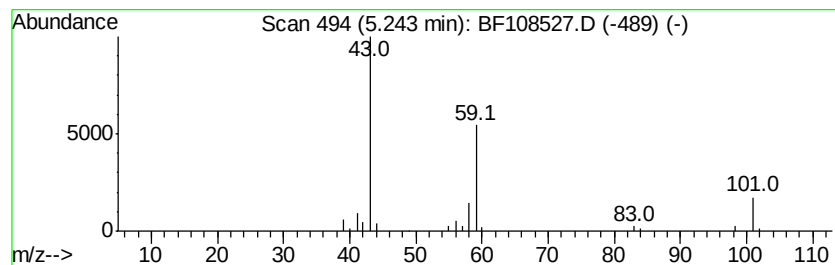
Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.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 10

| R.T.      | EstConc                              | Area  | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|-------|------------------------|-------------|------|
| 5.24      | 2.53 ng                              | 81214 | 1,4-Dichlorobenzene-d4 | 7.00        |      |
| Hit# of 5 | Tentative ID                         | MW    | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-     | 116   | C6H12O2                | 000123-42-2 | 64   |
| 2         | 3-Hexanol, 4-methyl-                 | 116   | C7H16O                 | 000615-29-2 | 33   |
| 3         | Butyl aldoxime, 3-methyl-, syn-      | 101   | C5H11NO                | 005780-40-5 | 23   |
| 4         | Acetic acid, cyano-, 1,1-dimethyl... | 141   | C7H11NO2               | 001116-98-9 | 23   |
| 5         | 4-Penten-2-one, 4-methyl-            | 98    | C6H10O                 | 003744-02-3 | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

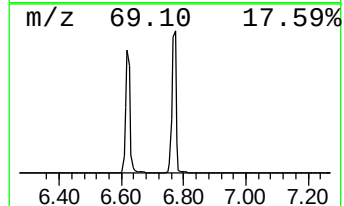
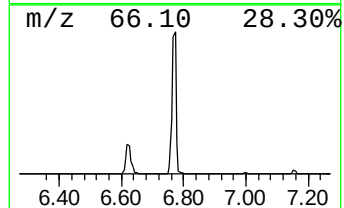
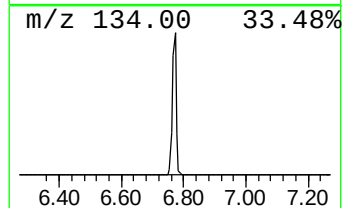
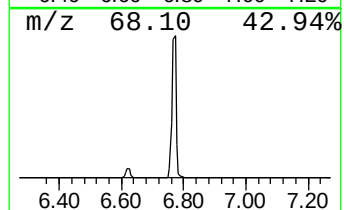
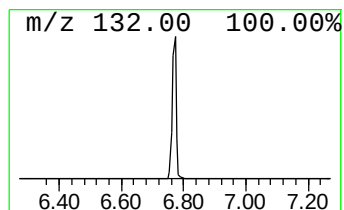
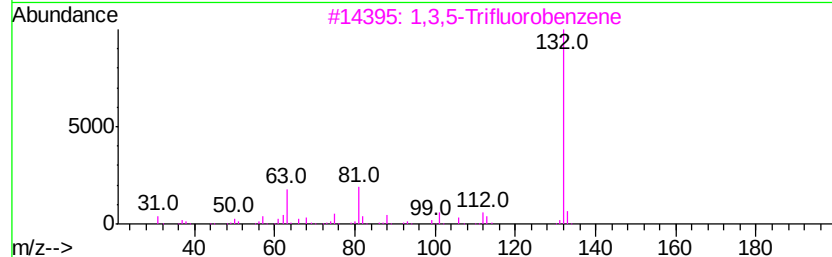
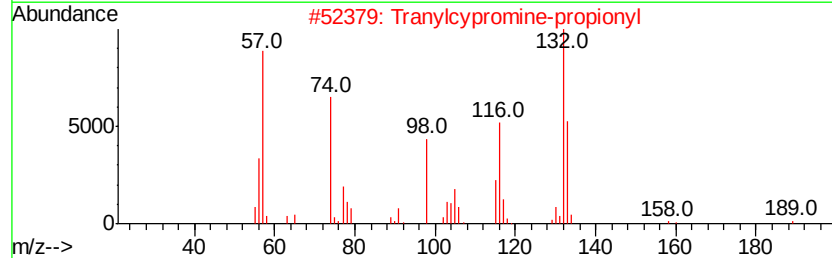
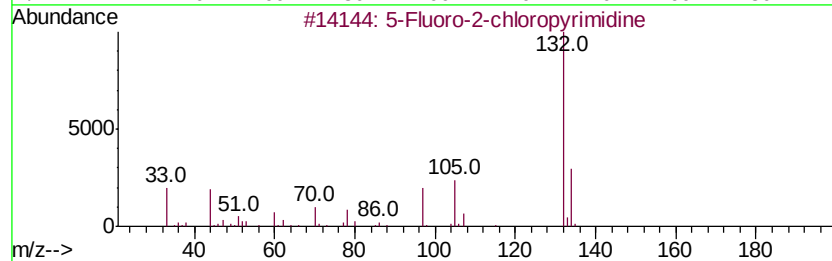
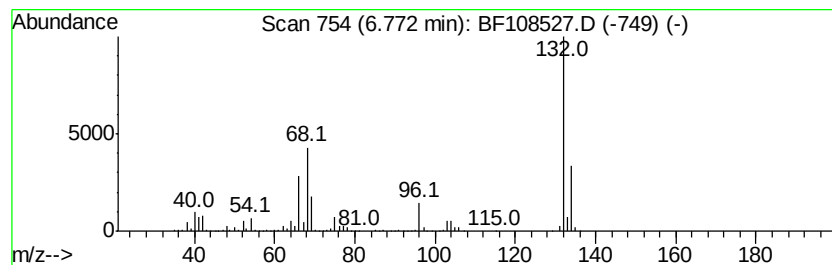
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.77 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.77 | 60.01 ng | 1928000 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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Instrument :  
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ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

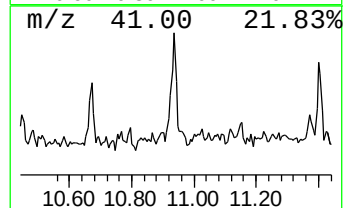
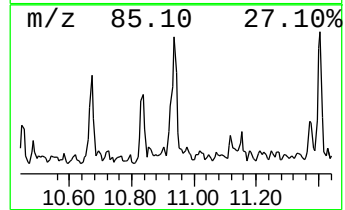
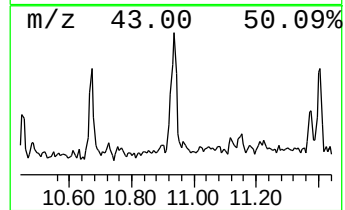
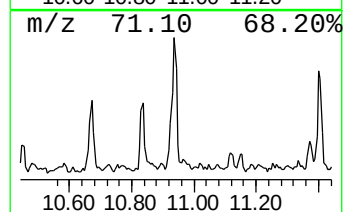
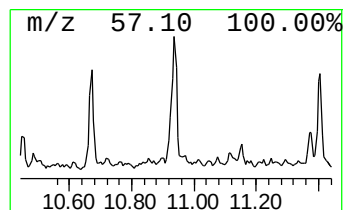
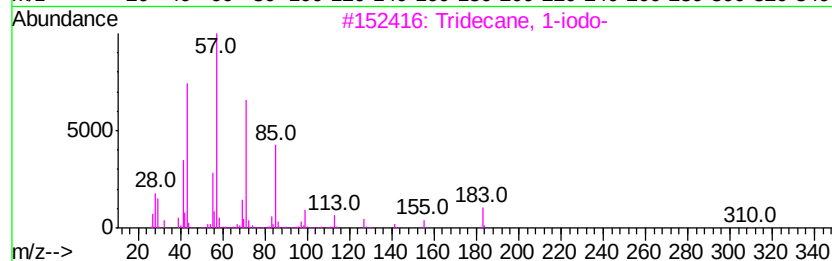
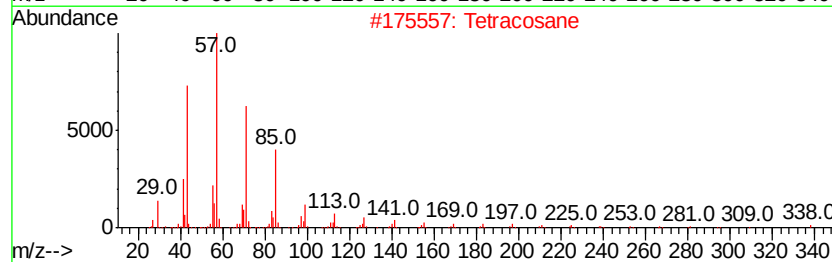
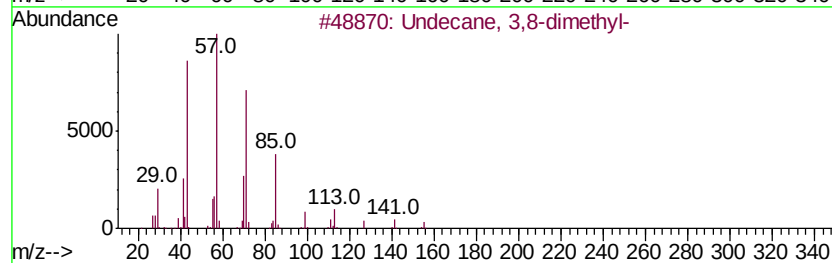
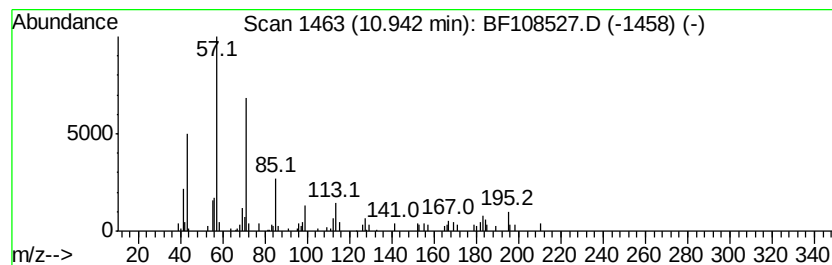
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Undecane, 3,8-dimethyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.94 | 3.48 ng | 113597 | Phenanthrene-d10 | 11.54 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 3,8-dimethyl- | 184 | C13H28  | 017301-30-3 | 72   |
| 2    |    | Tetracosane             | 338 | C24H50  | 000646-31-1 | 64   |
| 3    |    | Tridecane, 1-iodo-      | 310 | C13H27I | 035599-77-0 | 64   |
| 4    |    | Tridecane, 5-propyl-    | 226 | C16H34  | 055045-11-9 | 59   |
| 5    |    | Octane, 3,5-dimethyl-   | 142 | C10H22  | 015869-93-9 | 58   |



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ALS Vial : 29 Sample Multiplier: 1

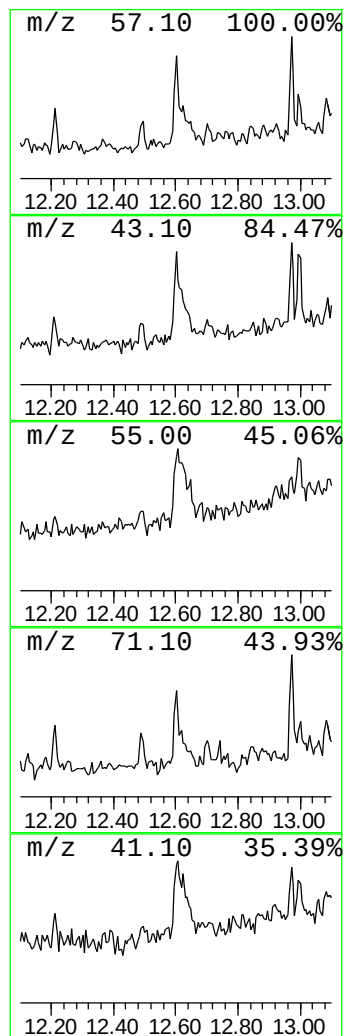
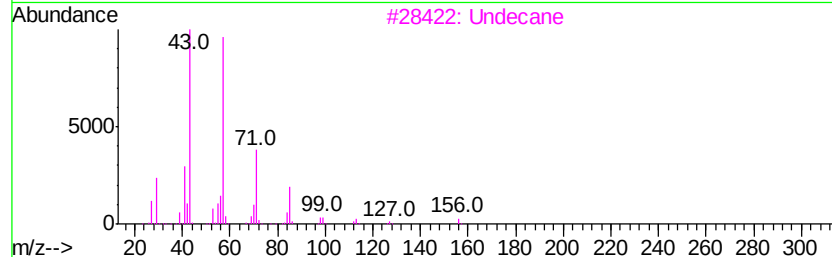
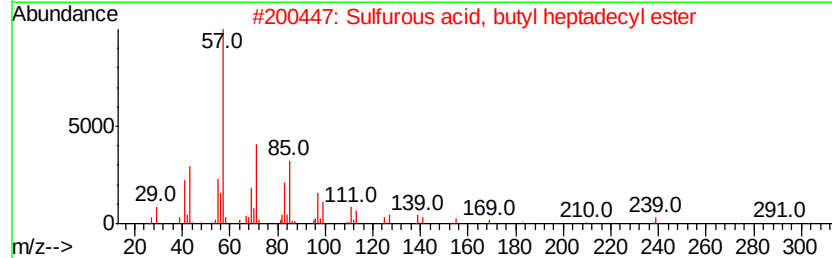
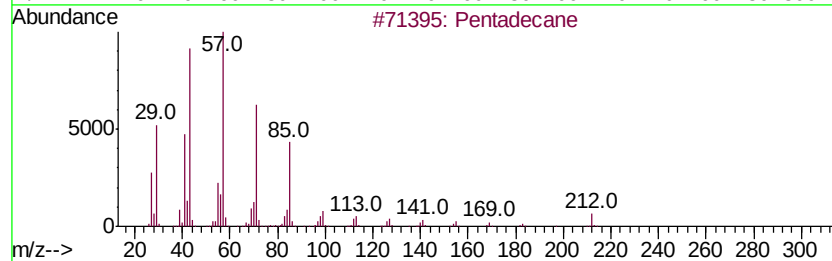
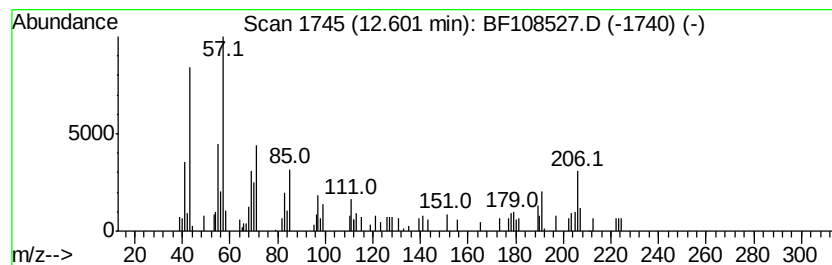
Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.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 unknown12.60 Concentration Rank 12

| R.T.      | EstConc                             | Area  | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------------|-------|------------------|--------------|-------|
| 12.60     | 2.24 ng                             | 73196 | Phenanthrene-d10 |              | 11.54 |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#         | Qual  |
| 1         | Pentadecane                         | 212   | C15H32           | 000629-62-9  | 38    |
| 2         | Sulfurous acid, butyl heptadecyl... | 376   | C21H44O3S        | 1000309-18-4 | 30    |
| 3         | Undecane                            | 156   | C11H24           | 001120-21-4  | 27    |
| 4         | Octacosane                          | 394   | C28H58           | 000630-02-4  | 27    |
| 5         | Ethanol, 2-(dodecyloxy)-            | 230   | C14H30O2         | 004536-30-5  | 27    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

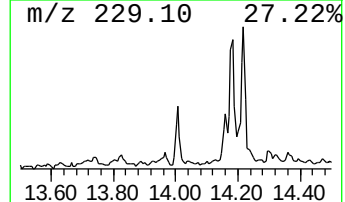
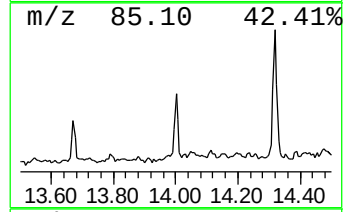
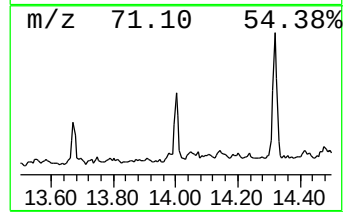
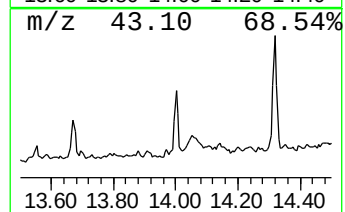
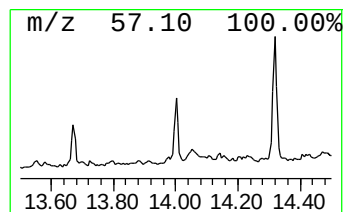
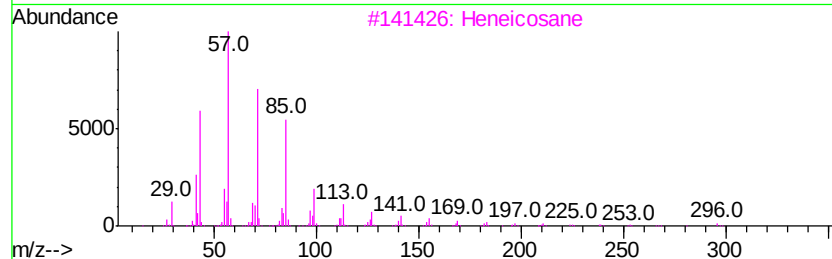
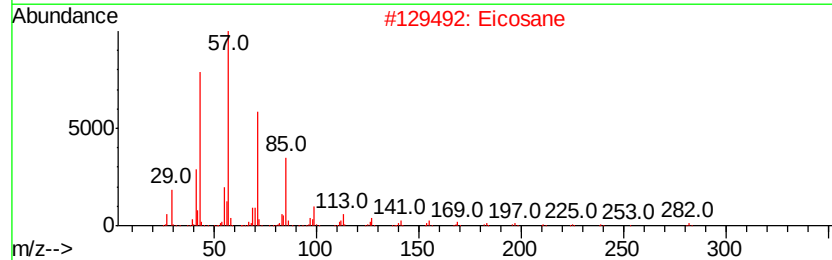
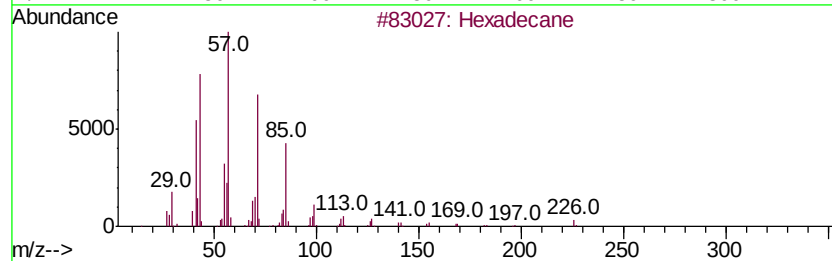
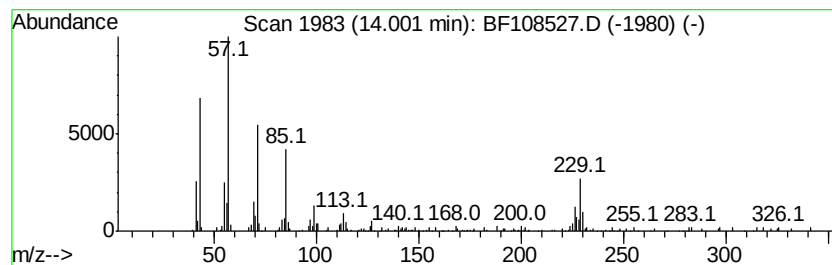
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexadecane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.00 | 2.46 ng | 116346 | Chrysene-d12     | 14.19 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecane                          | 226 | C16H34   | 000544-76-3 | 86   |
| 2    |    | Eicosane                            | 282 | C20H42   | 000112-95-8 | 86   |
| 3    |    | Heneicosane                         | 296 | C21H44   | 000629-94-7 | 83   |
| 4    |    | Octadecane, 1-chloro-               | 288 | C18H37Cl | 003386-33-2 | 62   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 58   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

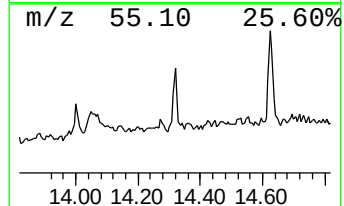
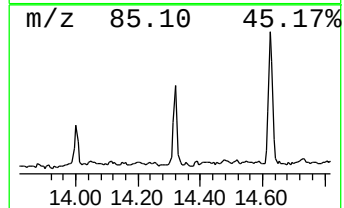
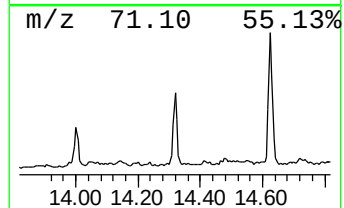
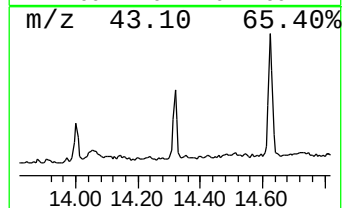
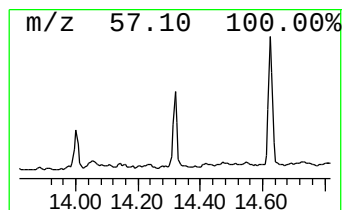
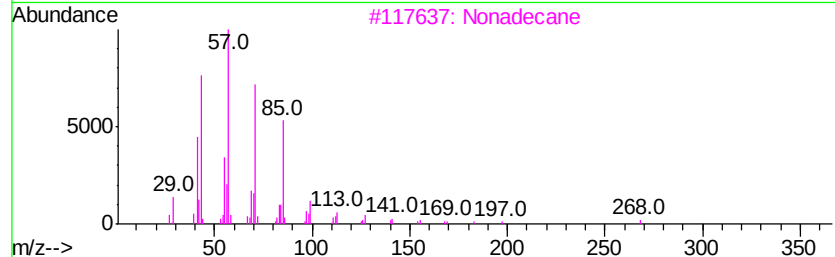
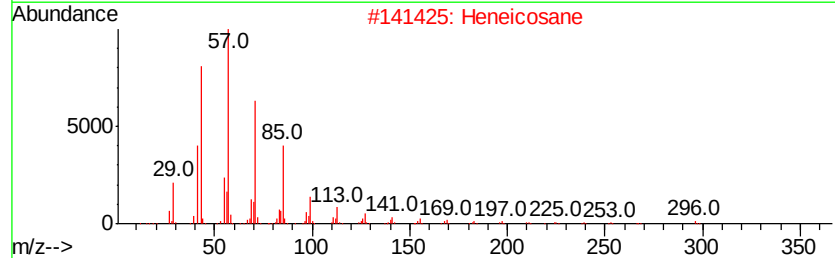
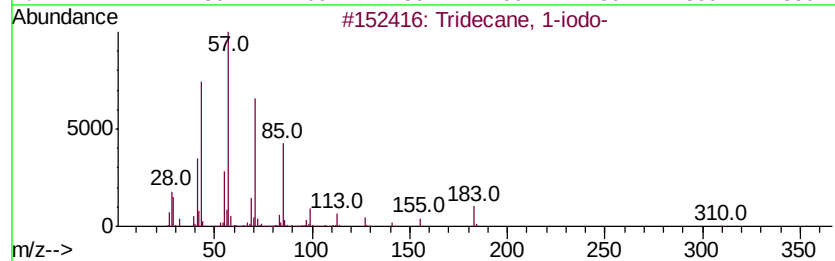
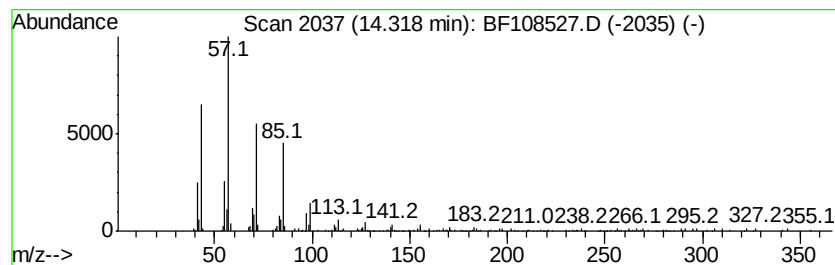
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tridecane, 1-iodo- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.32 | 2.80 ng | 132421 | Chrysene-d12     | 14.19 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83   |
| 2    |    | Heneicosane        | 296 | C21H44  | 000629-94-7 | 83   |
| 3    |    | Nonadecane         | 268 | C19H40  | 000629-92-5 | 83   |
| 4    |    | Eicosane           | 282 | C20H42  | 000112-95-8 | 80   |
| 5    |    | Pentadecane        | 212 | C15H32  | 000629-62-9 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

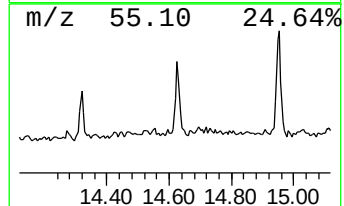
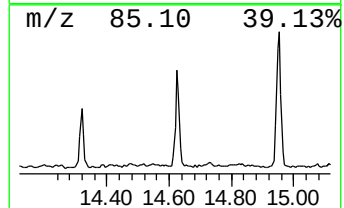
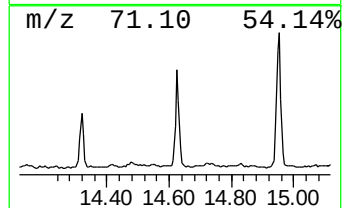
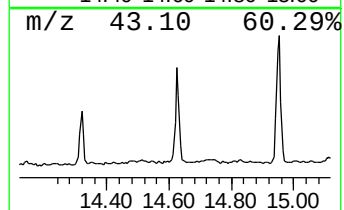
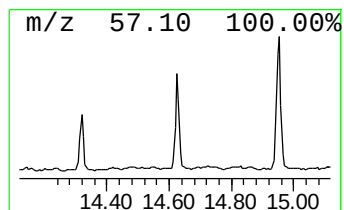
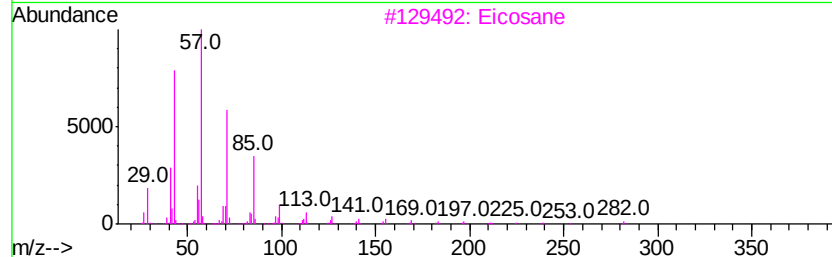
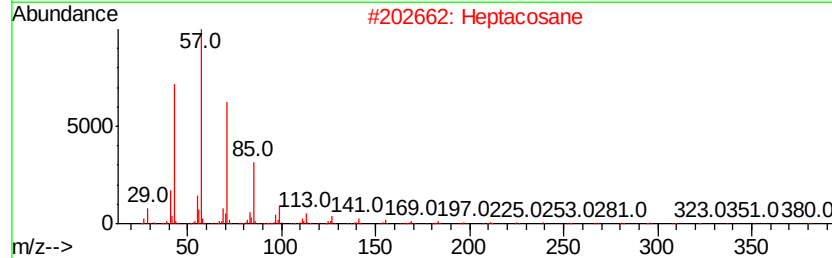
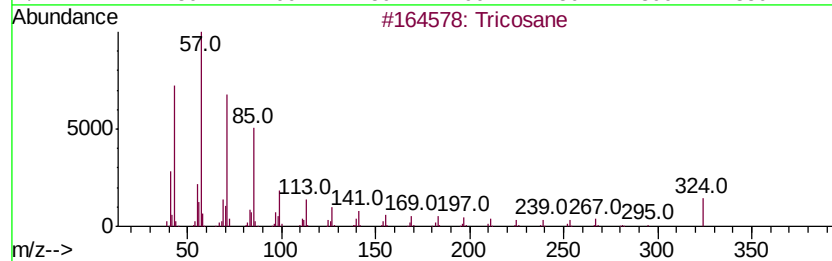
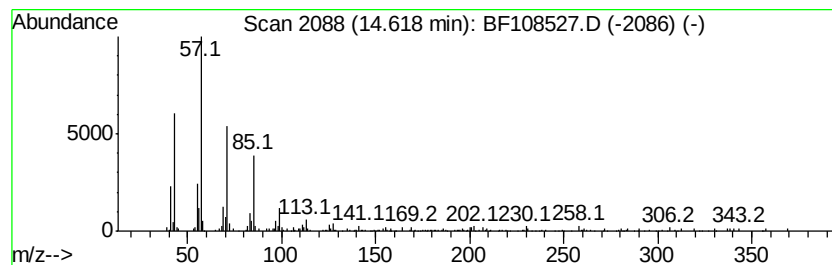
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tricosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.62 | 6.33 ng | 299275 | Chrysene-d12     | 14.19 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tricosane    | 324 | C23H48  | 000638-67-5 | 93   |
| 2    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 87   |
| 4    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

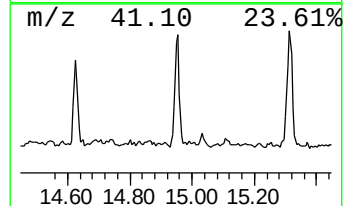
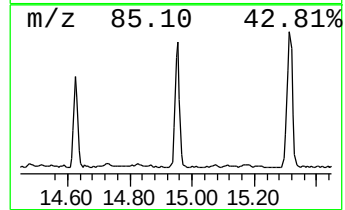
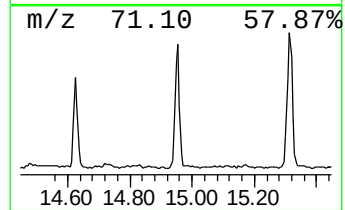
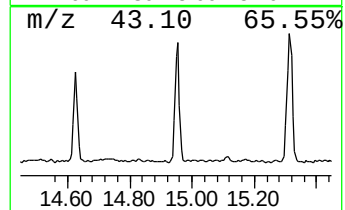
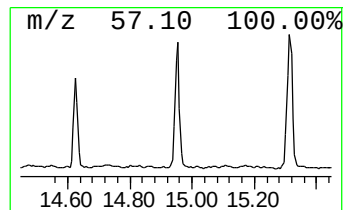
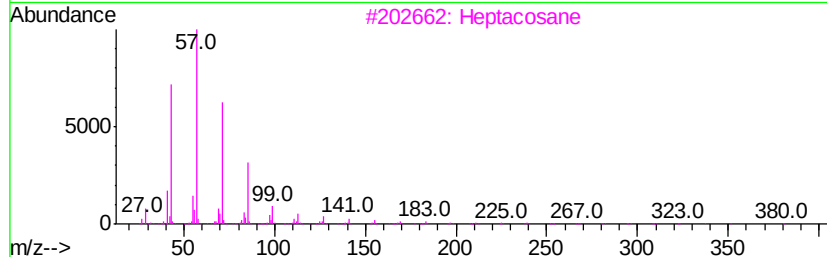
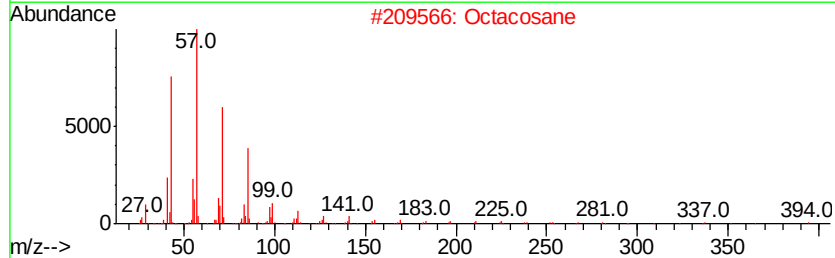
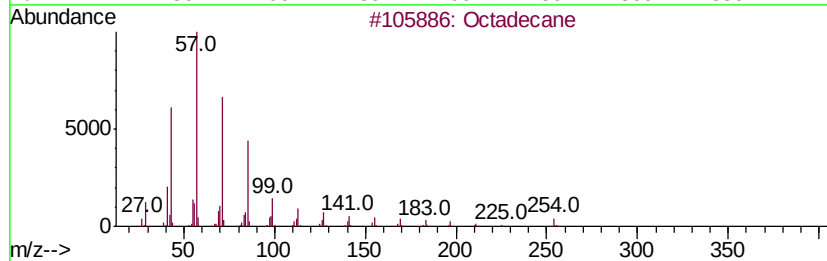
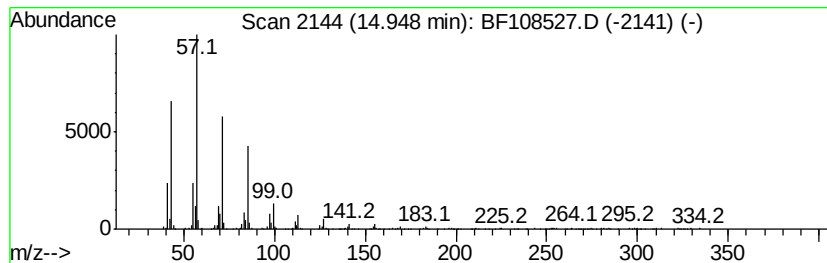
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.95 | 9.35 ng | 441924 | Chrysene-d12     | 14.19 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane   | 254 | C18H38  | 000593-45-3 | 97   |
| 2    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

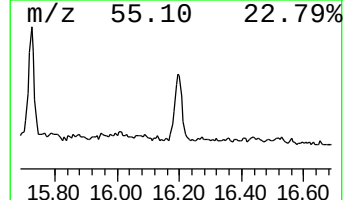
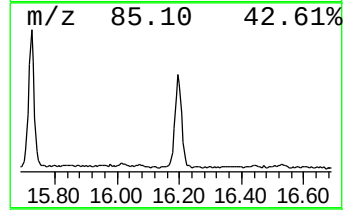
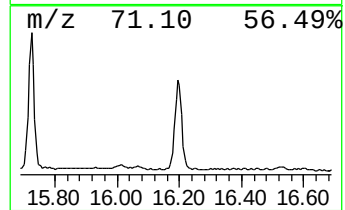
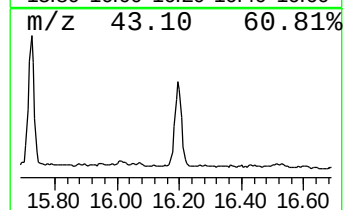
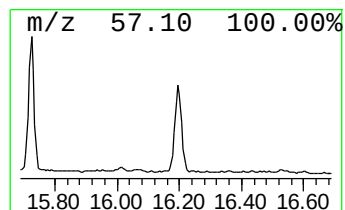
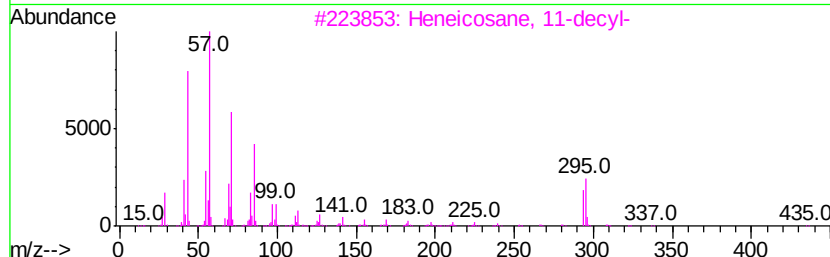
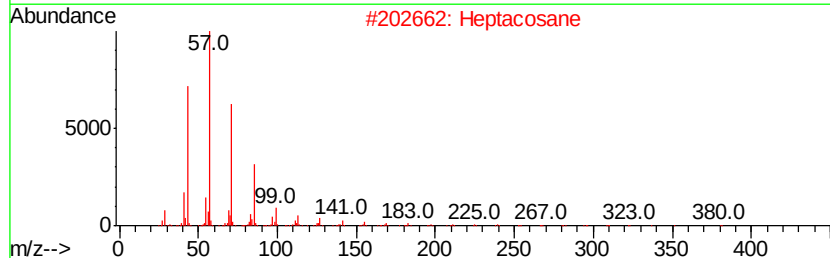
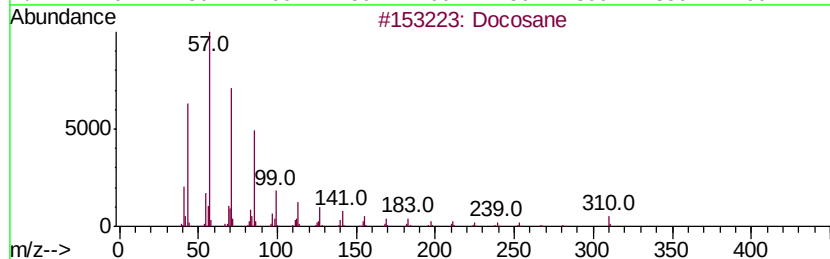
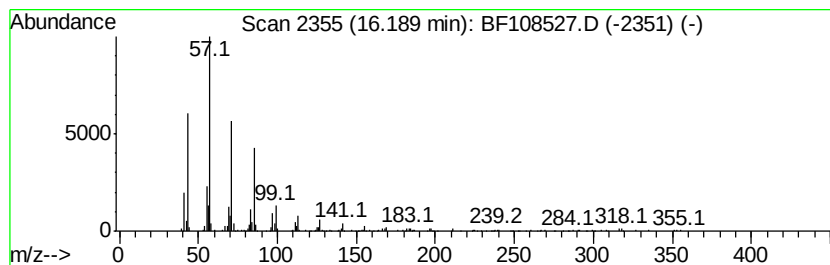
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Docosane Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 16.19 | 16.02 ng | 483909 | Perylene-d12     | 15.75 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane               | 310 | C22H46  | 000629-97-0 | 96   |
| 2    |    | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 91   |
| 4    |    | Hexacosane             | 366 | C26H54  | 000630-01-3 | 90   |
| 5    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

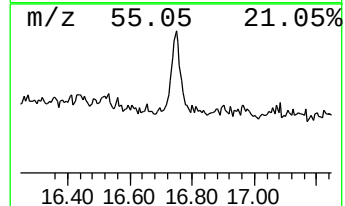
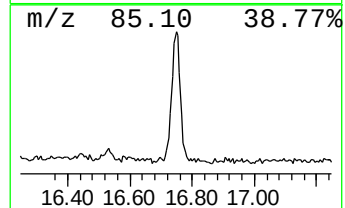
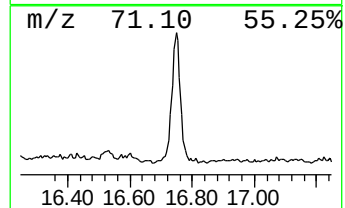
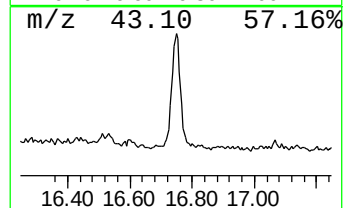
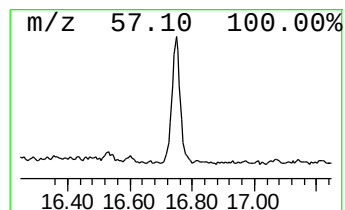
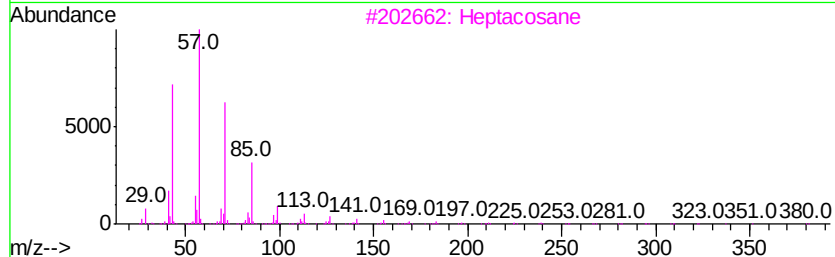
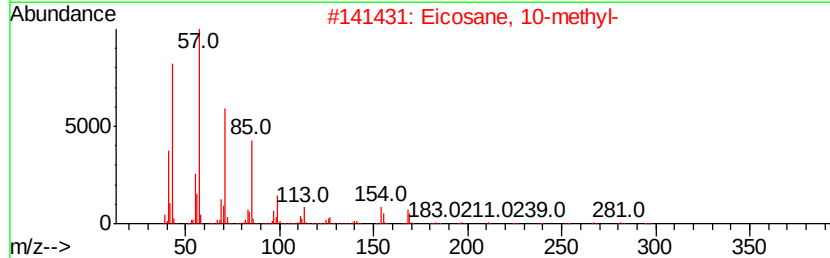
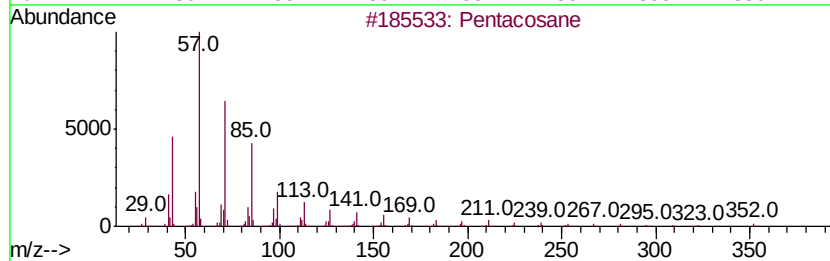
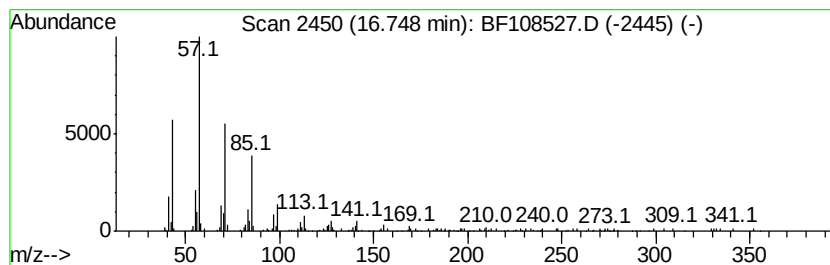
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Pentacosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.75 | 9.05 ng | 273315 | Perylene-d12     | 15.75 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentacosane          | 352 | C25H52  | 000629-99-2 | 97   |
| 2    |    | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 91   |
| 3    |    | Heptacosane          | 380 | C27H56  | 000593-49-7 | 87   |
| 4    |    | Tetratetracontane    | 619 | C44H90  | 007098-22-8 | 87   |
| 5    |    | Hentriacontane       | 437 | C31H64  | 000630-04-6 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082718\  
Data File : BF108527.D  
Acq On : 27 Aug 2018 23:40  
Operator : JU/SJ  
Sample : J4636-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BYR-2-E(6-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.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... | 5.24  | 2.5     | ng    | 81214    | 1                     | 7.00  | 642518 | 20.0 |
| unknown6.77          | 6.77  | 60.0    | ng    | 1928000  | 1                     | 7.00  | 642518 | 20.0 |
| Undecane, 3,8-dim... | 10.94 | 3.5     | ng    | 113597   | 4                     | 11.54 | 653379 | 20.0 |
| unknown12.60         | 12.60 | 2.2     | ng    | 73196    | 4                     | 11.54 | 653379 | 20.0 |
| Hexadecane           | 14.00 | 2.5     | ng    | 116346   | 5                     | 14.19 | 945478 | 20.0 |
| Tridecane, 1-iodo-   | 14.32 | 2.8     | ng    | 132421   | 5                     | 14.19 | 945478 | 20.0 |
| Tricosane            | 14.62 | 6.3     | ng    | 299275   | 5                     | 14.19 | 945478 | 20.0 |
| Octadecane           | 14.95 | 9.3     | ng    | 441924   | 5                     | 14.19 | 945478 | 20.0 |
| Docosane             | 16.19 | 16.0    | ng    | 483909   | 6                     | 15.75 | 603990 | 20.0 |
| Pentacosane          | 16.75 | 9.1     | ng    | 273315   | 6                     | 15.75 | 603990 | 20.0 |