

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062118\  
 Data File : BF106660.D  
 Acq On : 21 Jun 2018 14:32  
 Operator : JU/SJ  
 Sample : J3584-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-S

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-BF061918.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         | 5.195       | 482           | 486         | 495          | rBV      | 165340         | 192303        | 9.10%           | 0.896%        |
| 2         | 5.601       | 551           | 555         | 559          | rBV      | 1798450        | 1665823       | 78.82%          | 7.758%        |
| 3         | 6.607       | 721           | 726         | 737          | rBV      | 1643119        | 1783761       | 84.40%          | 8.307%        |
| 4         | 6.736       | 744           | 748         | 751          | rBV      | 1892675        | 1766500       | 83.58%          | 8.227%        |
| 5         | 6.960       | 782           | 786         | 789          | rBV      | 697898         | 563519        | 26.66%          | 2.624%        |
| 6         | 7.119       | 808           | 813         | 816          | rVB      | 1558967        | 1446090       | 68.42%          | 6.735%        |
| 7         | 7.525       | 877           | 882         | 885          | rBV      | 1306304        | 1194020       | 56.50%          | 5.561%        |
| 8         | 8.242       | 1000          | 1004        | 1007         | rBV      | 879387         | 726018        | 34.35%          | 3.381%        |
| 9         | 9.319       | 1182          | 1187        | 1190         | rBV      | 2384168        | 2113452       | 100.00%         | 9.843%        |
| 10        | 9.383       | 1195          | 1198        | 1201         | rBV2     | 45338          | 43872         | 2.08%           | 0.204%        |
| 11        | 9.707       | 1248          | 1253        | 1260         | rVB      | 316940         | 284699        | 13.47%          | 1.326%        |
| 12        | 9.913       | 1284          | 1288        | 1292         | rVB      | 91093          | 78822         | 3.73%           | 0.367%        |
| 13        | 10.001      | 1299          | 1303        | 1307         | rBV2     | 944651         | 813706        | 38.50%          | 3.790%        |
| 14        | 10.030      | 1307          | 1308        | 1316         | rVB      | 28472          | 25168         | 1.19%           | 0.117%        |
| 15        | 10.236      | 1340          | 1343        | 1347         | rBV3     | 23035          | 27609         | 1.31%           | 0.129%        |
| 16        | 10.413      | 1367          | 1373        | 1376         | rBV      | 119836         | 107046        | 5.06%           | 0.499%        |
| 17        | 10.548      | 1393          | 1396        | 1403         | rVB3     | 25416          | 31129         | 1.47%           | 0.145%        |
| 18        | 10.630      | 1406          | 1410        | 1413         | rBV      | 65650          | 68419         | 3.24%           | 0.319%        |
| 19        | 10.713      | 1421          | 1424        | 1428         | rVB      | 63923          | 51781         | 2.45%           | 0.241%        |
| 20        | 10.795      | 1434          | 1438        | 1441         | rBV      | 1405964        | 1256117       | 59.43%          | 5.850%        |
| 21        | 10.895      | 1451          | 1455        | 1464         | rVB2     | 109261         | 188925        | 8.94%           | 0.880%        |
| 22        | 11.336      | 1527          | 1530        | 1532         | rBV      | 77123          | 68577         | 3.24%           | 0.319%        |
| 23        | 11.366      | 1532          | 1535        | 1537         | rVB2     | 41551          | 38762         | 1.83%           | 0.181%        |
| 24        | 11.495      | 1553          | 1557        | 1559         | rBV      | 902050         | 761237        | 36.02%          | 3.545%        |
| 25        | 11.518      | 1559          | 1561        | 1564         | rVV      | 192209         | 150570        | 7.12%           | 0.701%        |
| 26        | 11.566      | 1567          | 1569        | 1572         | rVB      | 41293          | 35895         | 1.70%           | 0.167%        |
| 27        | 11.718      | 1591          | 1595        | 1600         | rBV2     | 26475          | 41846         | 1.98%           | 0.195%        |
| 28        | 11.760      | 1600          | 1602        | 1605         | rVB      | 58810          | 43989         | 2.08%           | 0.205%        |
| 29        | 11.995      | 1639          | 1642        | 1644         | rBV      | 35338          | 30523         | 1.44%           | 0.142%        |
| 30        | 12.024      | 1644          | 1647        | 1651         | rVB2     | 47423          | 42697         | 2.02%           | 0.199%        |
| 31        | 12.107      | 1658          | 1661        | 1664         | rBV2     | 55600          | 61055         | 2.89%           | 0.284%        |
| 32        | 12.171      | 1669          | 1672        | 1675         | rBV2     | 41427          | 37078         | 1.75%           | 0.173%        |
| 33        | 12.289      | 1689          | 1692        | 1694         | rBV      | 26111          | 22956         | 1.09%           | 0.107%        |
| 34        | 12.560      | 1733          | 1738        | 1740         | rBV2     | 35302          | 53721         | 2.54%           | 0.250%        |

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

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-BF061918.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.636 | 1748 | 1751 | 1753 | rBV3 | 19377   | 24445   | 1.16%  | 0.114% |
| 36 | 12.713 | 1760 | 1764 | 1767 | rBV  | 405938  | 328573  | 15.55% | 1.530% |
| 37 | 12.742 | 1767 | 1769 | 1772 | rVB  | 118051  | 96694   | 4.58%  | 0.450% |
| 38 | 12.942 | 1796 | 1803 | 1808 | rVB  | 348549  | 393701  | 18.63% | 1.834% |
| 39 | 12.989 | 1808 | 1811 | 1815 | rBV3 | 22318   | 23532   | 1.11%  | 0.110% |
| 40 | 13.077 | 1822 | 1826 | 1829 | rBV  | 2086773 | 1880591 | 88.98% | 8.758% |
| 41 | 13.265 | 1856 | 1858 | 1860 | rVV  | 30941   | 29808   | 1.41%  | 0.139% |
| 42 | 13.289 | 1860 | 1862 | 1864 | rVB  | 34478   | 27086   | 1.28%  | 0.126% |
| 43 | 13.371 | 1872 | 1876 | 1879 | rVB2 | 29174   | 36261   | 1.72%  | 0.169% |
| 44 | 13.495 | 1895 | 1897 | 1902 | rBV3 | 18620   | 27127   | 1.28%  | 0.126% |
| 45 | 13.630 | 1917 | 1920 | 1923 | rBV2 | 41578   | 44865   | 2.12%  | 0.209% |
| 46 | 13.777 | 1942 | 1945 | 1950 | rVB  | 26214   | 31077   | 1.47%  | 0.145% |
| 47 | 13.959 | 1971 | 1976 | 1979 | rBV2 | 123148  | 141496  | 6.70%  | 0.659% |
| 48 | 14.148 | 2002 | 2008 | 2010 | rBV2 | 815720  | 868742  | 41.11% | 4.046% |
| 49 | 14.171 | 2010 | 2012 | 2020 | rVB  | 176792  | 157323  | 7.44%  | 0.733% |
| 50 | 14.283 | 2028 | 2031 | 2034 | rBV  | 65866   | 55977   | 2.65%  | 0.261% |
| 51 | 14.601 | 2082 | 2085 | 2089 | rBV  | 83467   | 87501   | 4.14%  | 0.408% |
| 52 | 14.918 | 2136 | 2139 | 2142 | rBV  | 79390   | 86284   | 4.08%  | 0.402% |
| 53 | 15.230 | 2188 | 2192 | 2195 | rBV  | 123818  | 184871  | 8.75%  | 0.861% |
| 54 | 15.277 | 2198 | 2200 | 2205 | rVB  | 94048   | 95315   | 4.51%  | 0.444% |
| 55 | 15.554 | 2244 | 2247 | 2254 | rVB  | 75882   | 97359   | 4.61%  | 0.453% |
| 56 | 15.618 | 2254 | 2258 | 2264 | rBV  | 93019   | 134901  | 6.38%  | 0.628% |
| 57 | 15.689 | 2264 | 2270 | 2274 | rBV  | 442881  | 619582  | 29.32% | 2.886% |
| 58 | 16.142 | 2344 | 2347 | 2352 | rVB  | 50568   | 68967   | 3.26%  | 0.321% |
| 59 | 17.248 | 2531 | 2535 | 2540 | rBV  | 35515   | 58926   | 2.79%  | 0.274% |
| 60 | 17.724 | 2613 | 2616 | 2622 | rVB2 | 29384   | 53344   | 2.52%  | 0.248% |

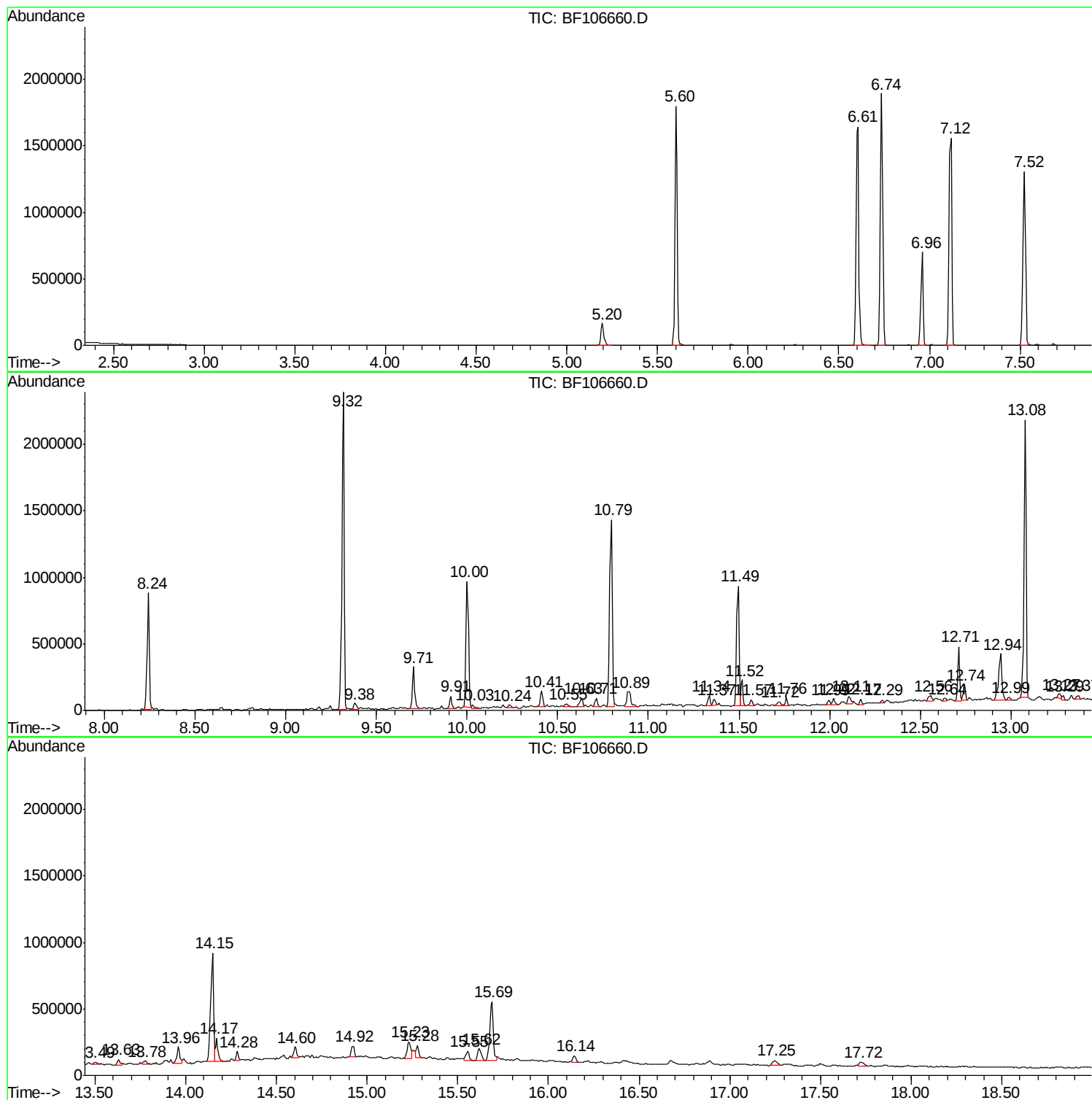
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.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\BF062118\  
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Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

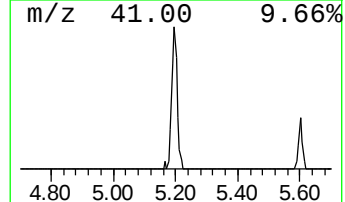
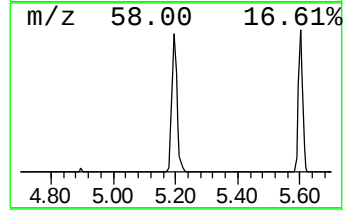
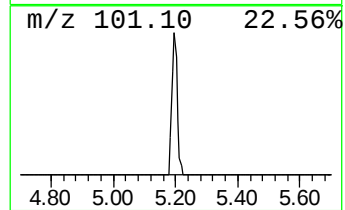
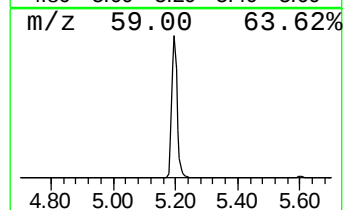
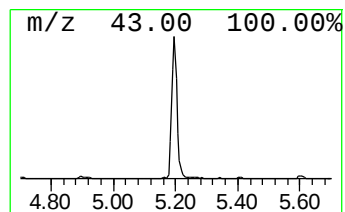
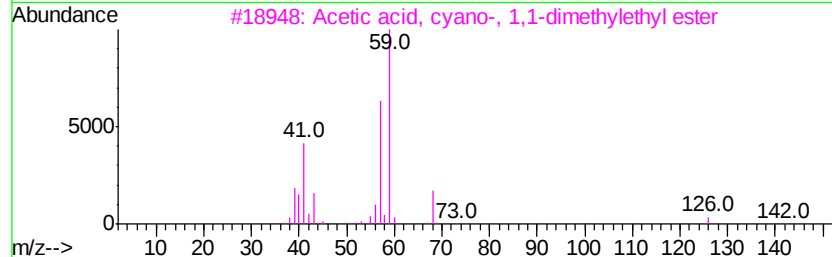
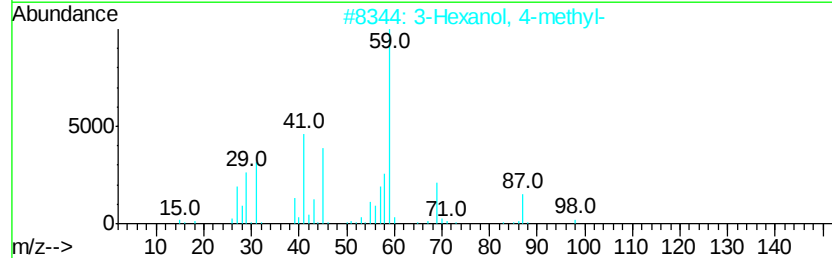
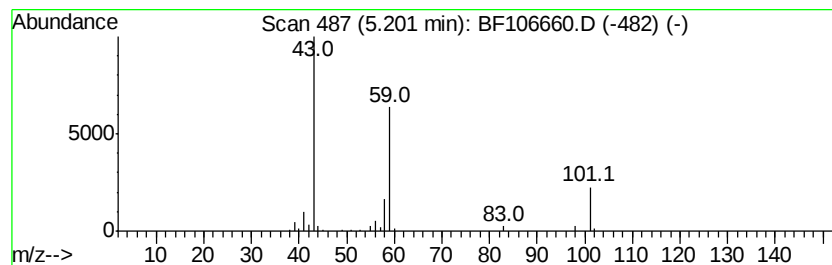
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.20 | 6.83 ng | 192303 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 28   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    |   | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
TP-2-S

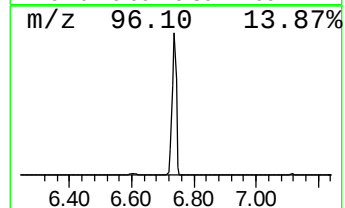
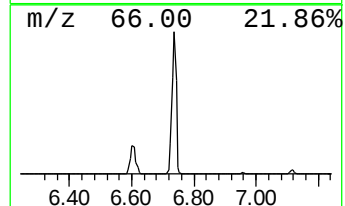
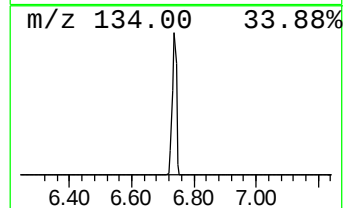
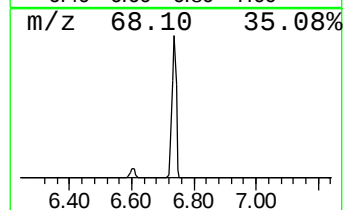
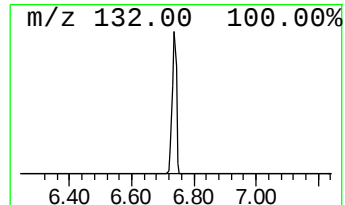
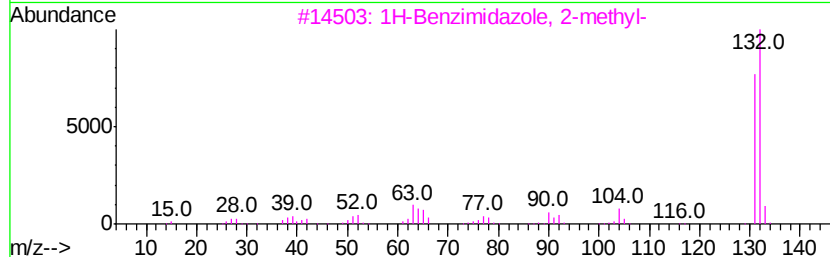
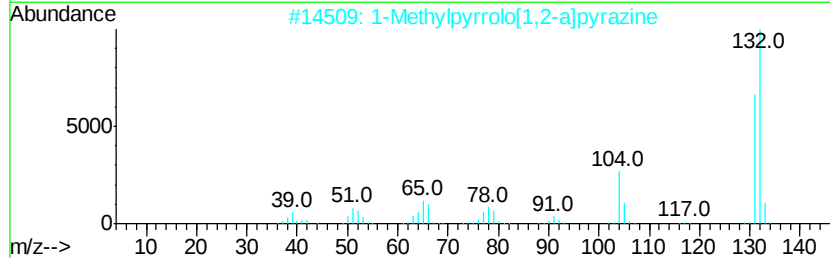
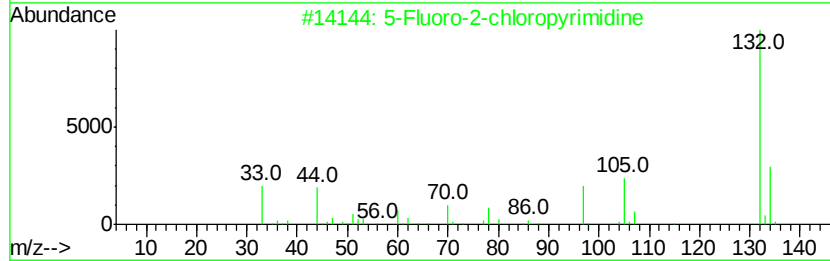
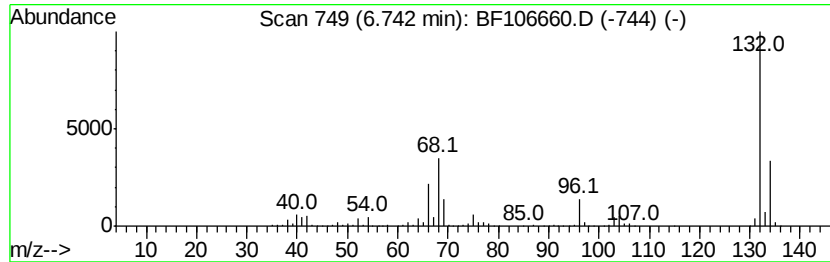
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 62.70 ng | 1766500 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of                                  | Tentative ID | MW        | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|-----------|-------------|------|------|
| 1    | 5-Fluoro-2-chloropyrimidine         | 132          | C4H2ClFN2 | 062802-42-0 | 9    |      |
| 2    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132          | C8H8N2    | 064608-59-9 | 9    |      |
| 3    | 1H-Benzimidazole, 2-methyl-         | 132          | C8H8N2    | 000615-15-6 | 9    |      |
| 4    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132          | C8H8N2    | 064608-60-2 | 9    |      |
| 5    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132          | C8H8N2    | 022291-85-6 | 9    |      |



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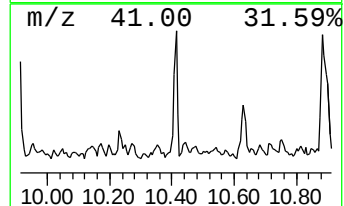
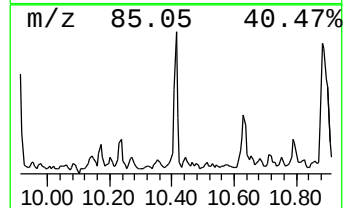
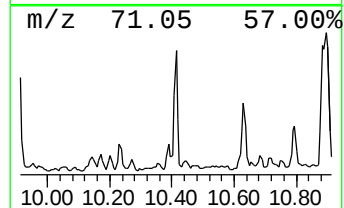
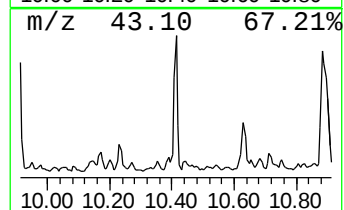
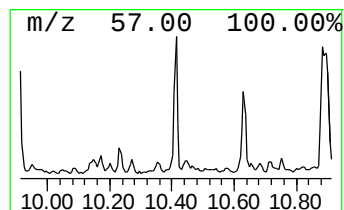
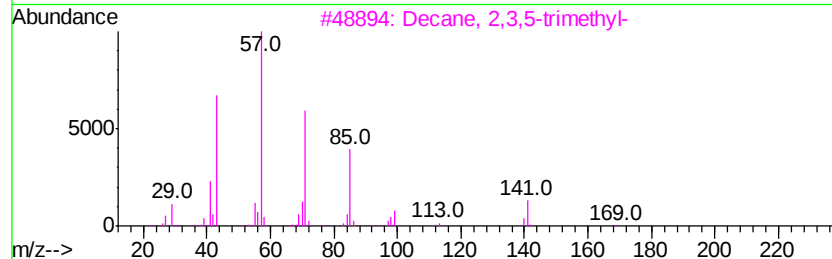
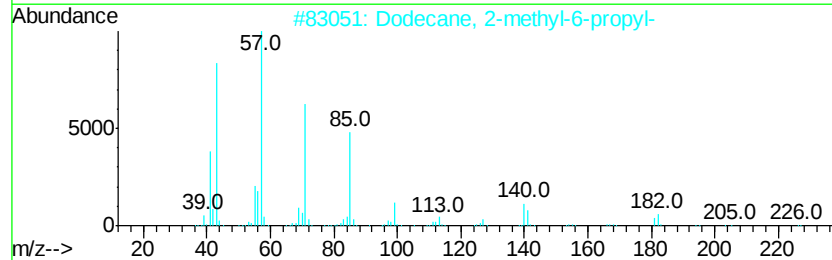
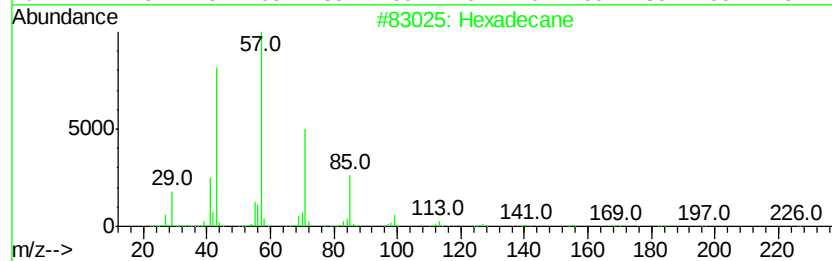
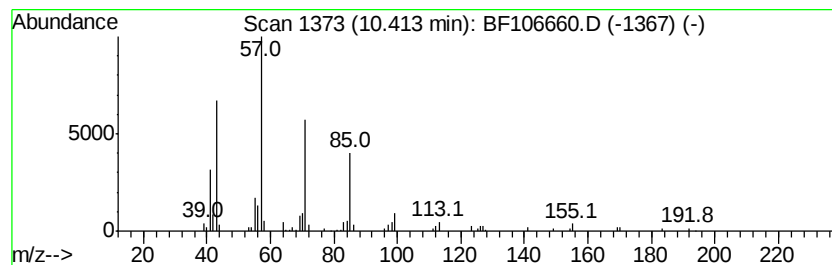
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Hexadecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.41 | 2.63 ng | 107046 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane                   |              | 226 | C16H34  | 000544-76-3 | 86   |
| 2       | Dodecane, 2-methyl-6-propyl- |              | 226 | C16H34  | 055045-08-4 | 80   |
| 3       | Decane, 2,3,5-trimethyl-     |              | 184 | C13H28  | 062238-11-3 | 78   |
| 4       | Tetradecane                  |              | 198 | C14H30  | 000629-59-4 | 72   |
| 5       | Tridecane                    |              | 184 | C13H28  | 000629-50-5 | 64   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

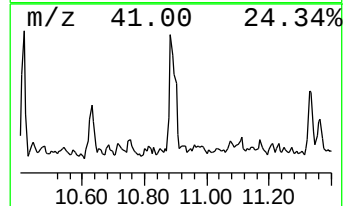
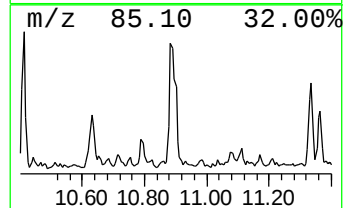
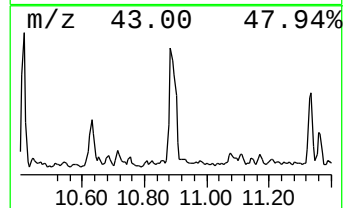
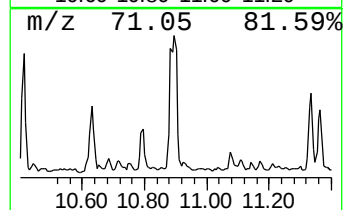
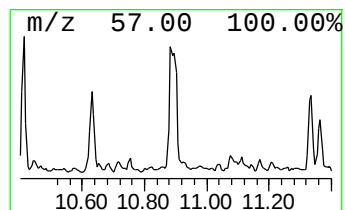
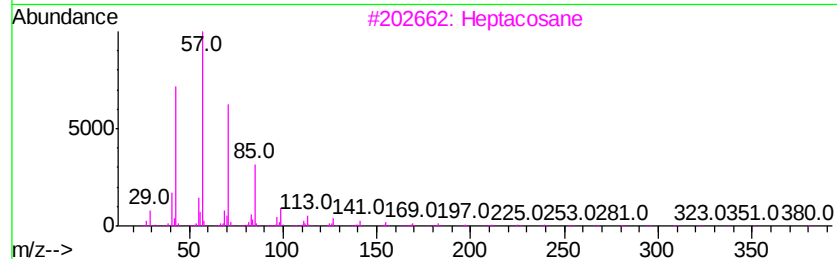
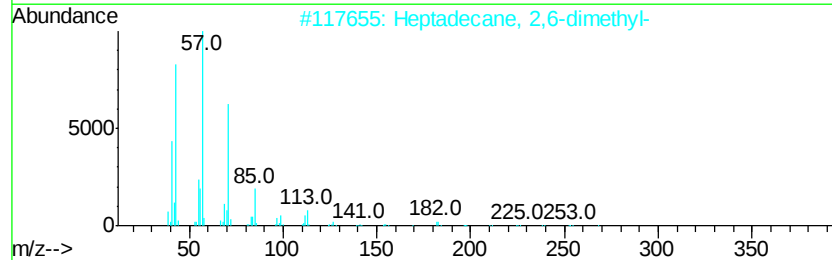
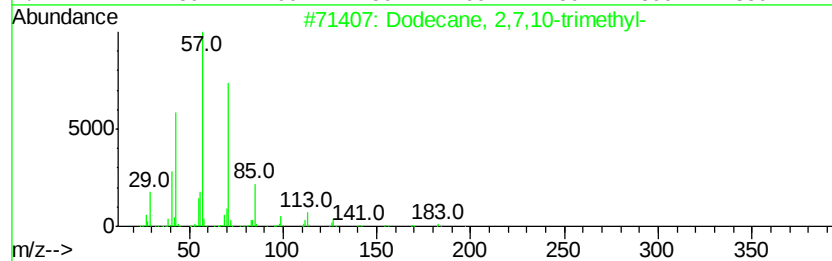
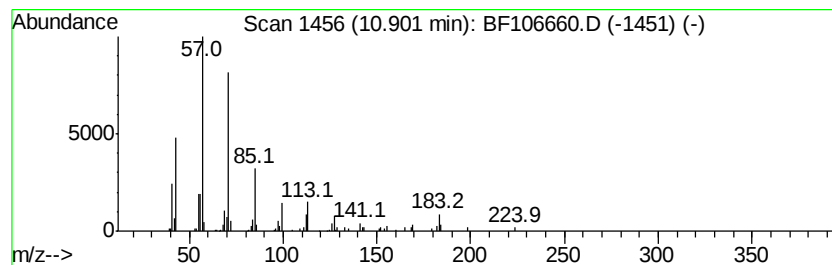
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.90 | 4.96 ng | 188925 | Phenanthrene-d10 | 11.49 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 80   |
| 2    |    |   | Heptadecane, 2,6-dimethyl-          | 268 | C19H40    | 054105-67-8  | 78   |
| 3    |    |   | Heptacosane                         | 380 | C27H56    | 000593-49-7  | 78   |
| 4    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 74   |
| 5    |    |   | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

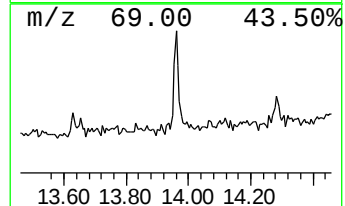
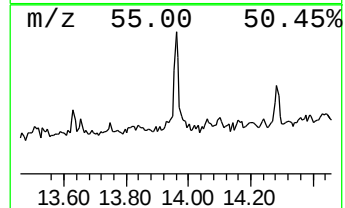
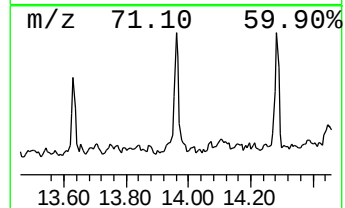
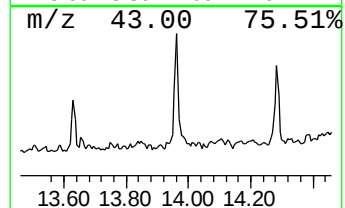
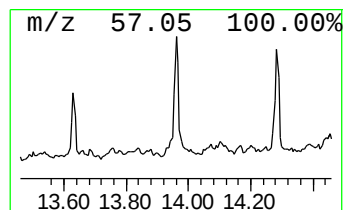
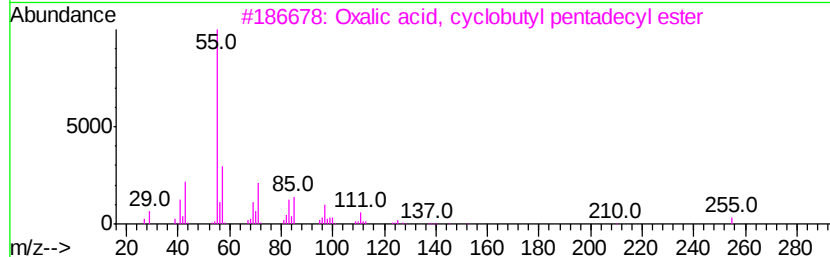
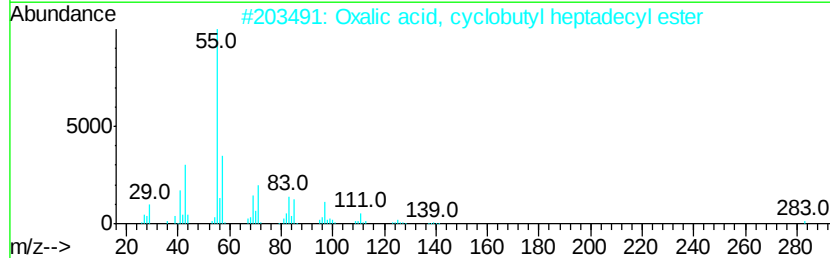
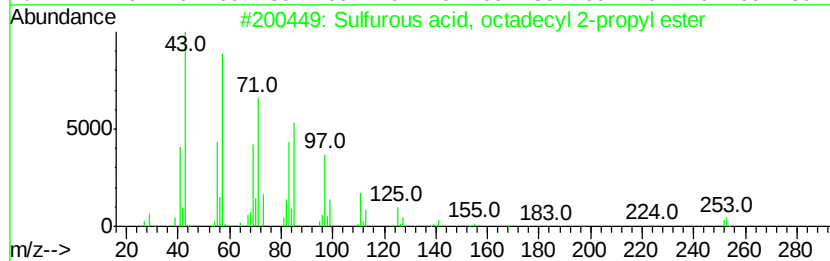
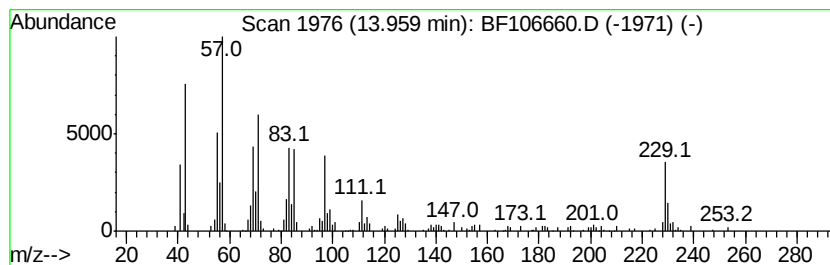
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Sulfurous acid, octadecyl 2... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.96 | 3.26 ng | 141496 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S   | 1000309-12-7 | 81   |
| 2    |    | Oxalic acid, cyclobutyl heptadec... | 382 | C23H42O4    | 1000309-70-7 | 74   |
| 3    |    | Oxalic acid, cyclobutyl pentadec... | 354 | C21H38O4    | 1000309-70-5 | 49   |
| 4    |    | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0  | 46   |
| 5    |    | 1-Octadecanesulphonyl chloride      | 352 | C18H37ClO2S | 1000342-70-4 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

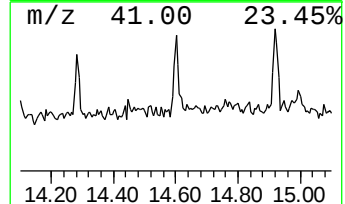
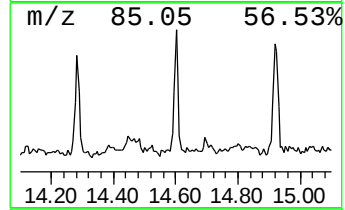
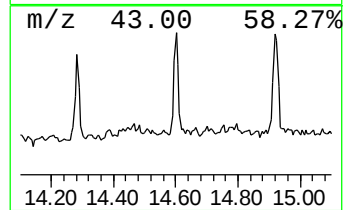
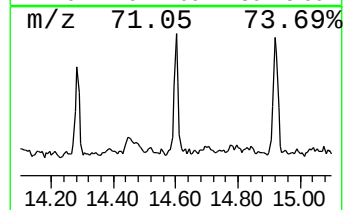
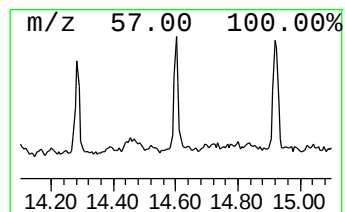
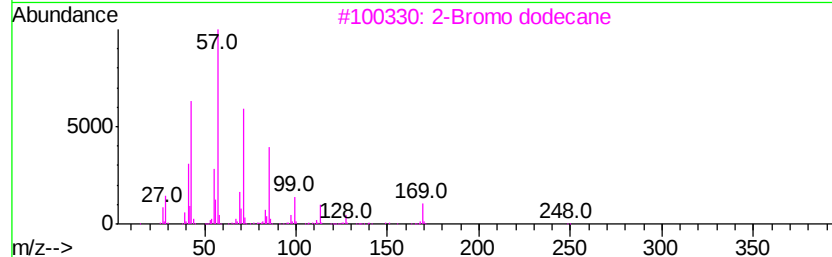
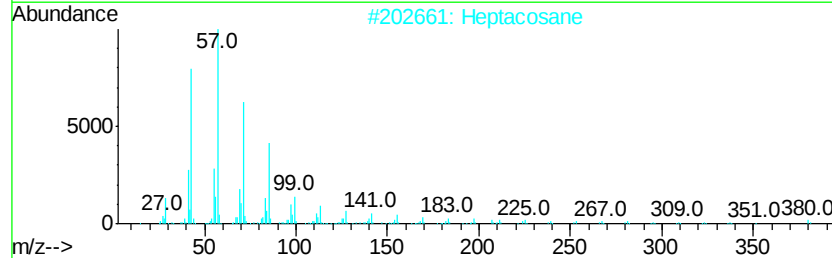
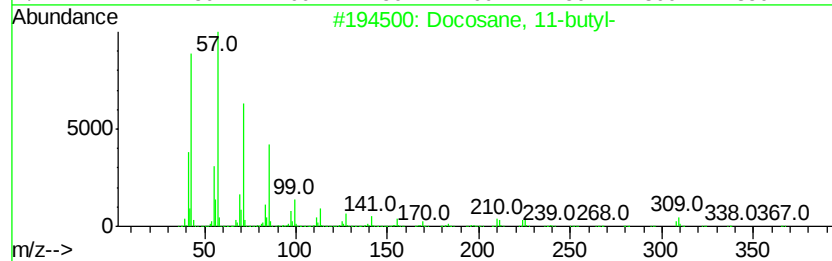
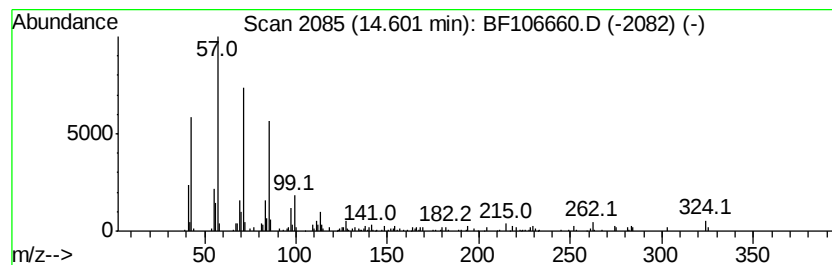
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Docosane, 11-butyl- Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.60 | 2.01 ng | 87501 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Docosane, 11-butyl-                | 366 | C26H54    | 013475-76-8  | 86   |
| 2    |    | Heptacosane                        | 380 | C27H56    | 000593-49-7  | 86   |
| 3    |    | 2-Bromo dodecane                   | 248 | C12H25Br  | 013187-99-0  | 80   |
| 4    |    | Sulfurous acid, 2-propyl tetra...  | 320 | C17H36O3S | 1000309-12-5 | 80   |
| 5    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42    | 000638-36-8  | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

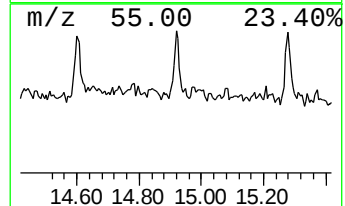
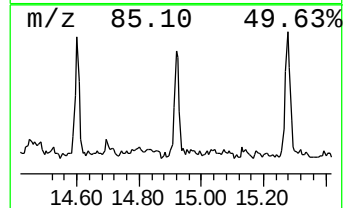
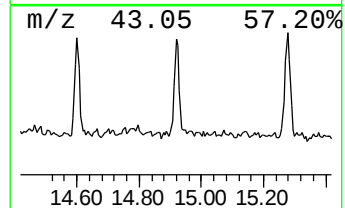
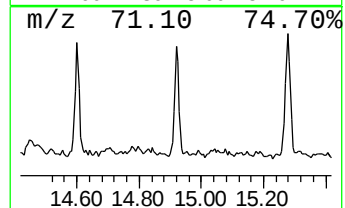
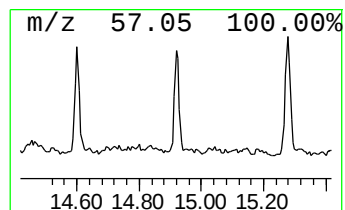
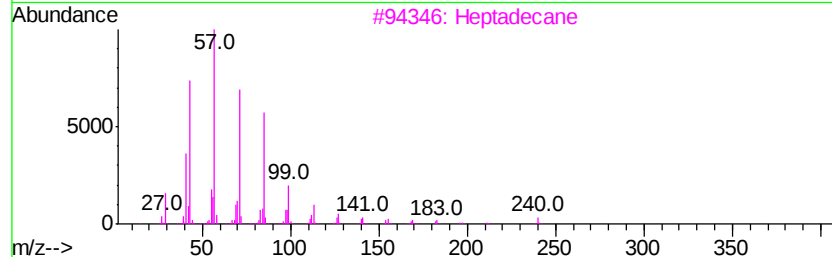
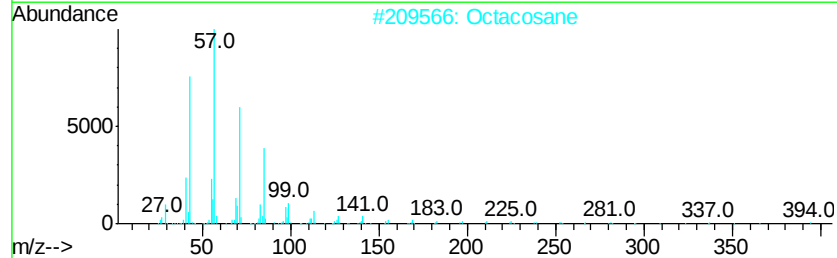
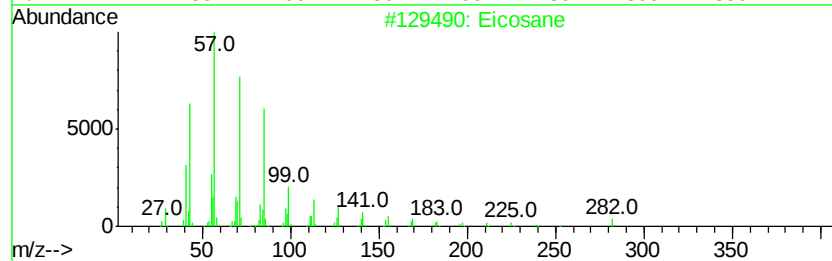
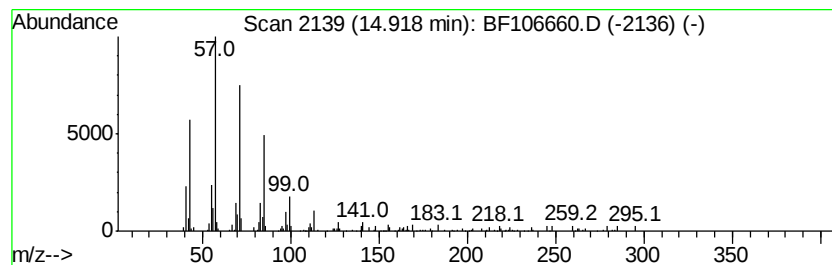
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Eicosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.92 | 2.79 ng | 86284 | Perylene-d12     | 15.69 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Eicosane           |              | 282 | C20H42  | 000112-95-8  | 91   |
| 2       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 91   |
| 3       | Heptadecane        |              | 240 | C17H36  | 000629-78-7  | 90   |
| 4       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 90   |
| 5       | Octadecane         |              | 254 | C18H38  | 000593-45-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

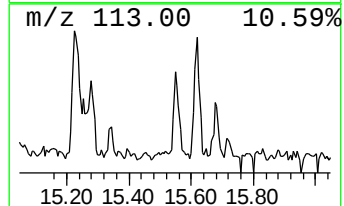
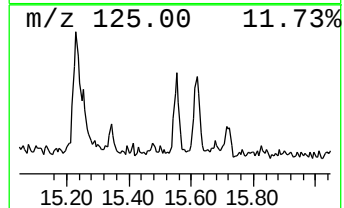
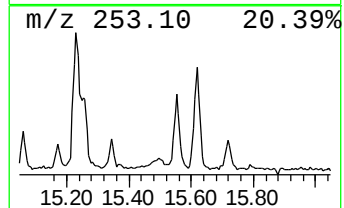
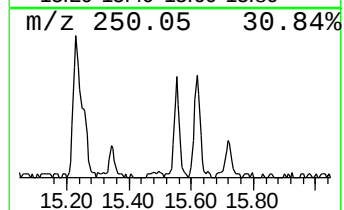
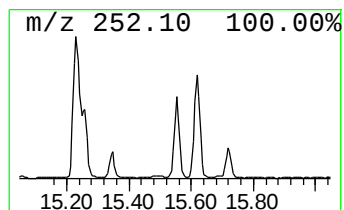
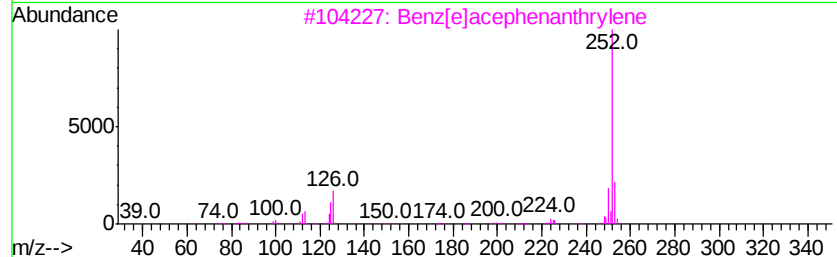
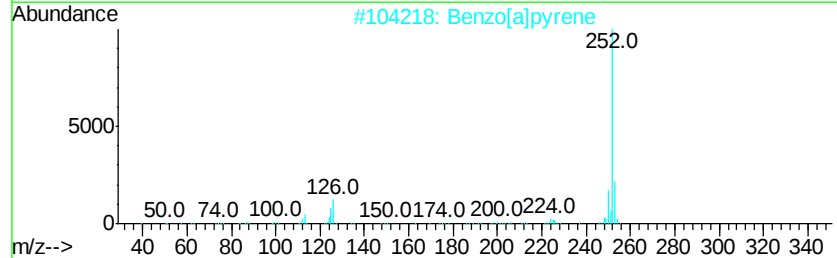
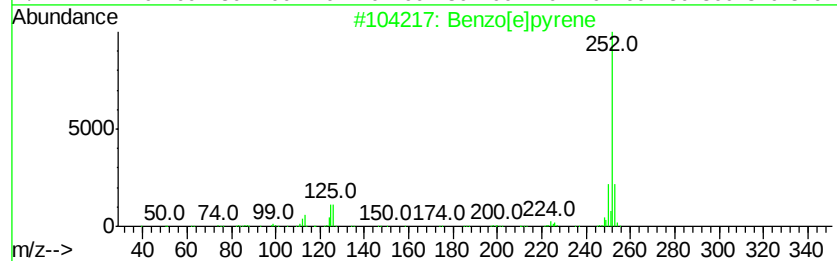
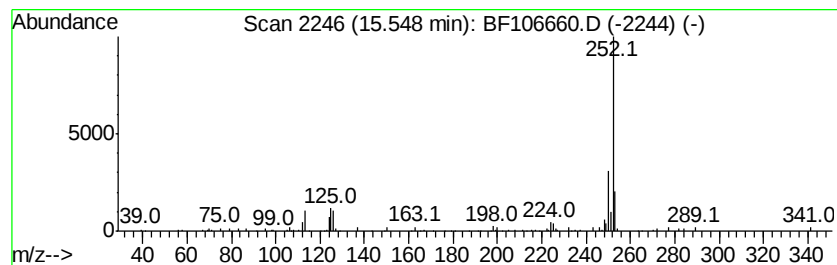
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzo[e]pyrene Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.55 | 3.14 ng | 97359 | Perylene-d12     | 15.69 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 94   |
| 3    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |
| 4    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 89   |
| 5    |    | Benzo[j]fluoranthene     | 252 | C20H12  | 000205-82-3 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

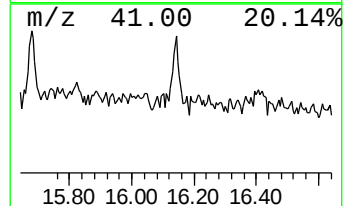
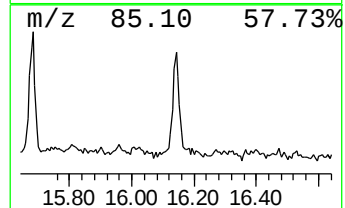
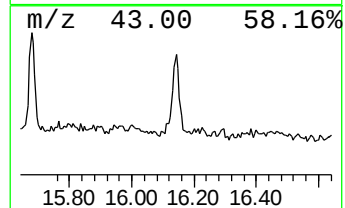
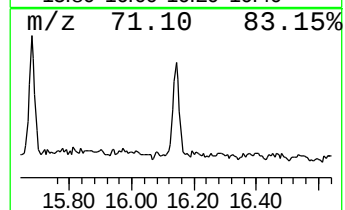
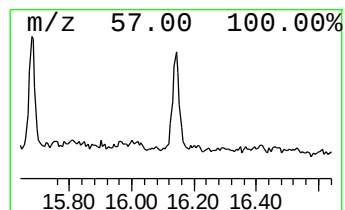
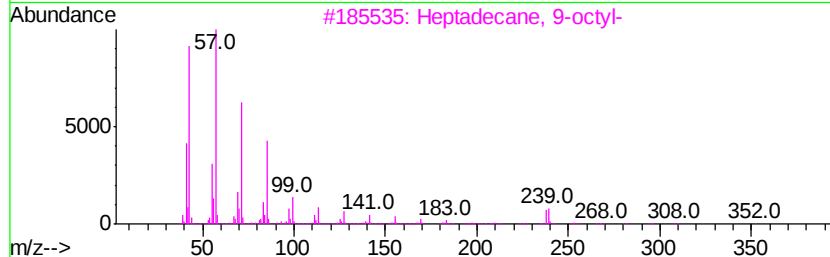
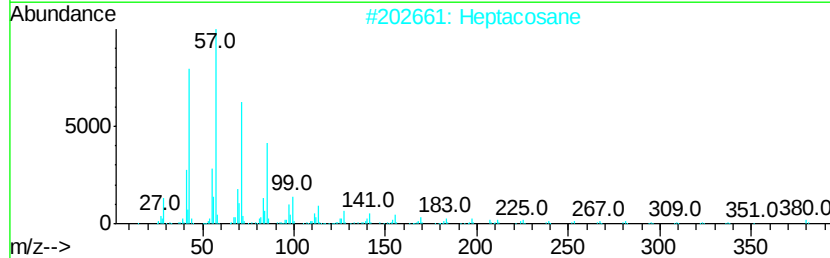
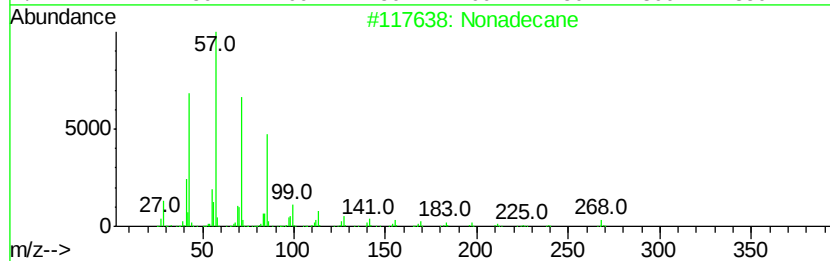
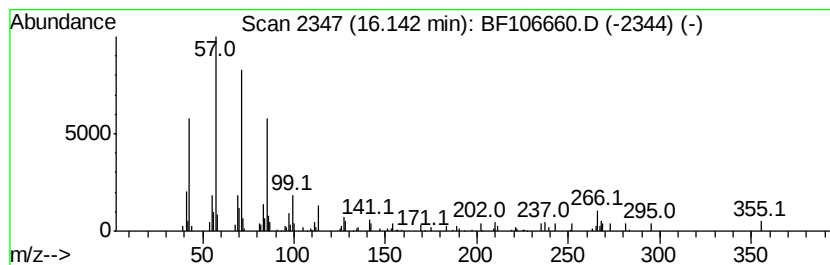
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Nonadecane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.14 | 2.23 ng | 68967 | Perylene-d12     | 15.69 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Nonadecane            | 268 | C19H40  | 000629-92-5 | 89   |
| 2    |    |   | Heptacosane           | 380 | C27H56  | 000593-49-7 | 64   |
| 3    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 62   |
| 4    |    |   | Triacontane           | 422 | C30H62  | 000638-68-6 | 62   |
| 5    |    |   | Tridecane, 6-propyl-  | 226 | C16H34  | 055045-10-8 | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062118\  
Data File : BF106660.D  
Acq On : 21 Jun 2018 14:32  
Operator : JU/SJ  
Sample : J3584-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.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... | 5.20  | 6.8 ng  |       | 192303   | 1                     | 6.96  | 563519 | 20.0 |
| unknown6.74          | 6.74  | 62.7 ng |       | 1766500  | 1                     | 6.96  | 563519 | 20.0 |
| Hexadecane           | 10.41 | 2.6 ng  |       | 107046   | 3                     | 10.00 | 813706 | 20.0 |
| Dodecane, 2,7,10-... | 10.90 | 5.0 ng  |       | 188925   | 4                     | 11.49 | 761237 | 20.0 |
| Sulfurous acid, o... | 13.96 | 3.3 ng  |       | 141496   | 5                     | 14.15 | 868742 | 20.0 |
| Docosane, 11-butyl-  | 14.60 | 2.0 ng  |       | 87501    | 5                     | 14.15 | 868742 | 20.0 |
| Eicosane             | 14.92 | 2.8 ng  |       | 86284    | 6                     | 15.69 | 619582 | 20.0 |
| Benzo[e]pyrene       | 15.55 | 3.1 ng  |       | 97359    | 6                     | 15.69 | 619582 | 20.0 |
| Nonadecane           | 16.14 | 2.2 ng  |       | 68967    | 6                     | 15.69 | 619582 | 20.0 |