

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112019\  
 Data File : BF117885.D  
 Acq On : 20 Nov 2019 11:43  
 Operator : JU  
 Sample : K5833-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-(2-4)

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-BF111319.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.187       | 11            | 17          | 30           | rVB      | 559920         | 740451        | 17.49%          | 1.765%        |
| 2         | 5.128       | 509           | 517         | 525          | rBV      | 453735         | 572235        | 13.52%          | 1.364%        |
| 3         | 5.528       | 580           | 585         | 588          | rBV      | 2950088        | 2695302       | 63.67%          | 6.423%        |
| 4         | 6.534       | 751           | 756         | 770          | rBV      | 3318189        | 3453316       | 81.57%          | 8.229%        |
| 5         | 6.681       | 777           | 781         | 784          | rBV      | 3960703        | 3445853       | 81.40%          | 8.212%        |
| 6         | 6.916       | 817           | 821         | 824          | rBV      | 1072636        | 931608        | 22.01%          | 2.220%        |
| 7         | 7.069       | 843           | 847         | 851          | rBV      | 3169404        | 2604605       | 61.52%          | 6.207%        |
| 8         | 7.475       | 911           | 916         | 919          | rBV      | 2546945        | 2204296       | 52.07%          | 5.253%        |
| 9         | 7.745       | 959           | 962         | 965          | rVB      | 64076          | 53070         | 1.25%           | 0.126%        |
| 10        | 8.198       | 1036          | 1039        | 1043         | rBV      | 1479696        | 1263382       | 29.84%          | 3.011%        |
| 11        | 9.281       | 1218          | 1223        | 1226         | rBV      | 4554609        | 3900847       | 92.14%          | 9.296%        |
| 12        | 9.675       | 1286          | 1290        | 1294         | rBV      | 336772         | 305022        | 7.20%           | 0.727%        |
| 13        | 9.963       | 1335          | 1339        | 1343         | rBV      | 1663590        | 1378768       | 32.57%          | 3.286%        |
| 14        | 10.757      | 1469          | 1474        | 1477         | rBV      | 2630338        | 2452504       | 57.93%          | 5.844%        |
| 15        | 11.457      | 1589          | 1593        | 1595         | rBV      | 1798249        | 1507742       | 35.61%          | 3.593%        |
| 16        | 11.480      | 1595          | 1597        | 1600         | rVV      | 316825         | 242550        | 5.73%           | 0.578%        |
| 17        | 11.527      | 1600          | 1605        | 1608         | rVV2     | 82973          | 100747        | 2.38%           | 0.240%        |
| 18        | 11.686      | 1627          | 1632        | 1635         | rBV2     | 32268          | 49539         | 1.17%           | 0.118%        |
| 19        | 11.980      | 1675          | 1682        | 1686         | rBV2     | 644494         | 775152        | 18.31%          | 1.847%        |
| 20        | 12.069      | 1694          | 1697        | 1700         | rBV      | 76874          | 89321         | 2.11%           | 0.213%        |
| 21        | 12.274      | 1730          | 1732        | 1736         | rVB      | 58650          | 45047         | 1.06%           | 0.107%        |
| 22        | 12.510      | 1769          | 1772        | 1775         | rBV      | 57528          | 54028         | 1.28%           | 0.129%        |
| 23        | 12.545      | 1775          | 1778        | 1781         | rVV2     | 58243          | 68794         | 1.62%           | 0.164%        |
| 24        | 12.592      | 1783          | 1786        | 1791         | rVB2     | 57840          | 62632         | 1.48%           | 0.149%        |
| 25        | 12.669      | 1796          | 1799        | 1804         | rBV      | 810410         | 781038        | 18.45%          | 1.861%        |
| 26        | 12.763      | 1812          | 1815        | 1819         | rBV      | 359948         | 358629        | 8.47%           | 0.855%        |
| 27        | 12.904      | 1833          | 1839        | 1844         | rBV      | 701045         | 791277        | 18.69%          | 1.886%        |
| 28        | 12.951      | 1844          | 1847        | 1852         | rVB2     | 42956          | 59998         | 1.42%           | 0.143%        |
| 29        | 13.045      | 1859          | 1863        | 1866         | rBV      | 4579469        | 4233485       | 100.00%         | 10.089%       |
| 30        | 13.121      | 1871          | 1876        | 1879         | rBV2     | 57891          | 90328         | 2.13%           | 0.215%        |
| 31        | 13.227      | 1892          | 1894        | 1897         | rVB      | 90579          | 87033         | 2.06%           | 0.207%        |
| 32        | 13.333      | 1909          | 1912        | 1915         | rVB2     | 80605          | 75706         | 1.79%           | 0.180%        |
| 33        | 13.616      | 1956          | 1960        | 1962         | rBV5     | 38468          | 60277         | 1.42%           | 0.144%        |
| 34        | 13.739      | 1977          | 1981        | 1985         | rVB      | 69353          | 78485         | 1.85%           | 0.187%        |

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Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

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-BF111319.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.851 | 1995 | 2000 | 2003 | rBV2 | 84647   | 128928  | 3.05%  | 0.307% |
| 36 | 13.880 | 2003 | 2005 | 2007 | rVV  | 61279   | 47955   | 1.13%  | 0.114% |
| 37 | 13.945 | 2013 | 2016 | 2023 | rBV2 | 249864  | 337125  | 7.96%  | 0.803% |
| 38 | 14.104 | 2036 | 2043 | 2045 | rBV2 | 1572801 | 1753118 | 41.41% | 4.178% |
| 39 | 14.127 | 2045 | 2047 | 2054 | rVB  | 399872  | 350967  | 8.29%  | 0.836% |
| 40 | 14.263 | 2068 | 2070 | 2073 | rBV2 | 61598   | 62977   | 1.49%  | 0.150% |
| 41 | 14.486 | 2106 | 2108 | 2111 | rVB  | 77570   | 72471   | 1.71%  | 0.173% |
| 42 | 14.521 | 2112 | 2114 | 2117 | rVB2 | 58407   | 51655   | 1.22%  | 0.123% |
| 43 | 14.568 | 2119 | 2122 | 2127 | rVV4 | 84284   | 109676  | 2.59%  | 0.261% |
| 44 | 14.886 | 2172 | 2176 | 2181 | rBV  | 102149  | 123456  | 2.92%  | 0.294% |
| 45 | 14.968 | 2187 | 2190 | 2191 | rBV  | 49211   | 45939   | 1.09%  | 0.109% |
| 46 | 15.162 | 2218 | 2223 | 2226 | rBV  | 276294  | 433090  | 10.23% | 1.032% |
| 47 | 15.239 | 2233 | 2236 | 2239 | rBV  | 105237  | 113067  | 2.67%  | 0.269% |
| 48 | 15.274 | 2239 | 2242 | 2245 | rVV  | 45335   | 50996   | 1.20%  | 0.122% |
| 49 | 15.474 | 2273 | 2276 | 2283 | rVB  | 185658  | 258376  | 6.10%  | 0.616% |
| 50 | 15.539 | 2283 | 2287 | 2292 | rVB  | 260730  | 353319  | 8.35%  | 0.842% |
| 51 | 15.610 | 2294 | 2299 | 2302 | rBV  | 976557  | 1209041 | 28.56% | 2.881% |
| 52 | 15.639 | 2302 | 2304 | 2314 | rVB2 | 173223  | 239626  | 5.66%  | 0.571% |
| 53 | 16.098 | 2379 | 2382 | 2389 | rVB3 | 80157   | 121922  | 2.88%  | 0.291% |
| 54 | 16.633 | 2470 | 2473 | 2478 | rVB3 | 41722   | 61415   | 1.45%  | 0.146% |
| 55 | 17.133 | 2552 | 2558 | 2565 | rBV2 | 123237  | 248276  | 5.86%  | 0.592% |
| 56 | 17.592 | 2631 | 2636 | 2642 | rVB  | 89546   | 176304  | 4.16%  | 0.420% |

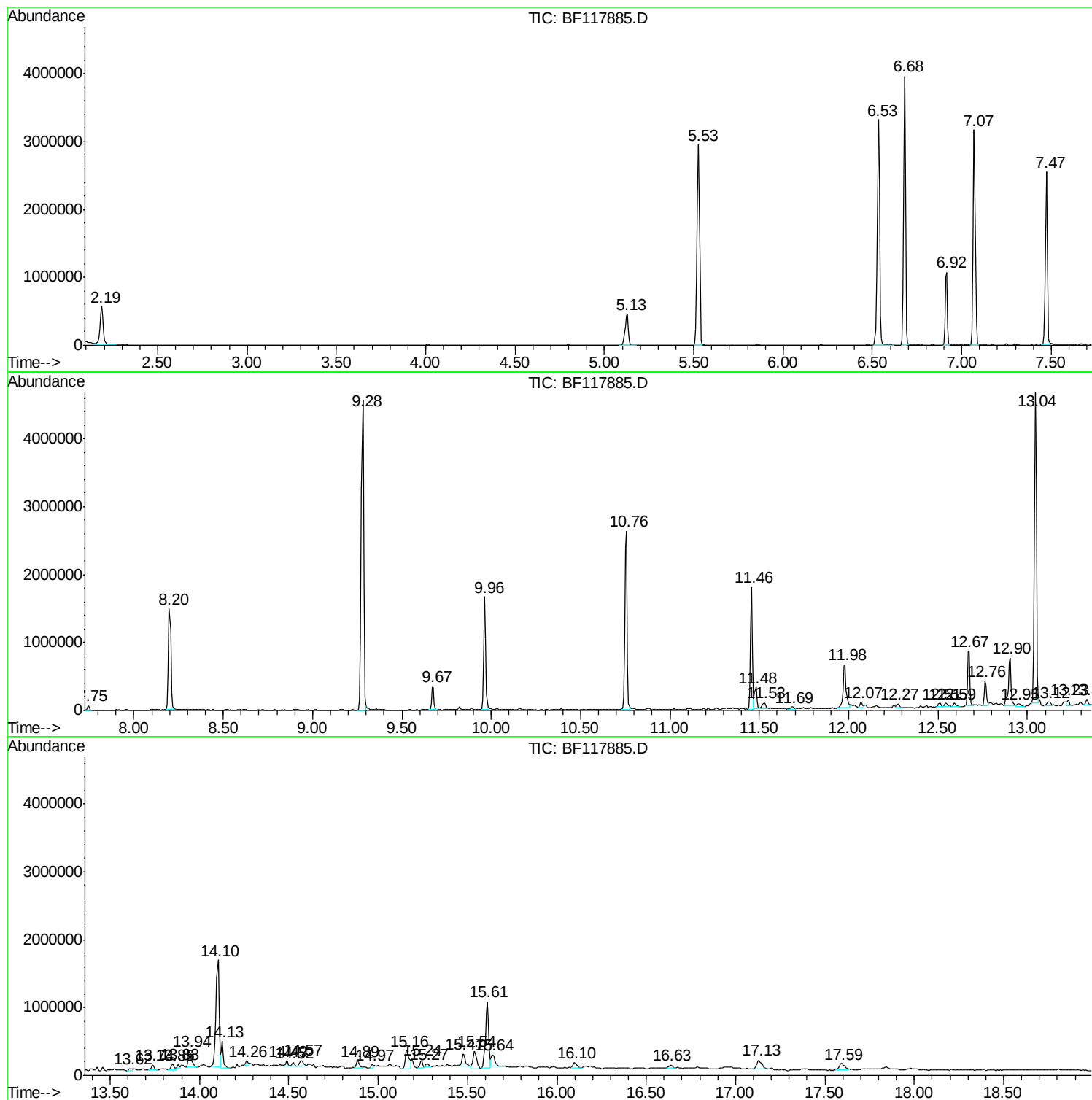
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BNA\_F  
ClientSampled :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.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\BF112019\  
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Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

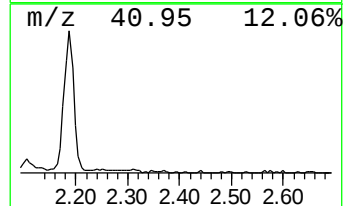
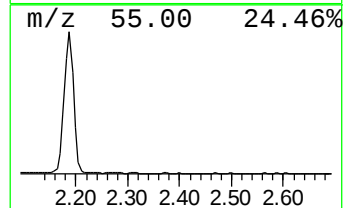
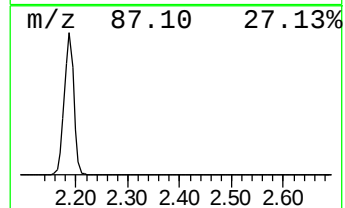
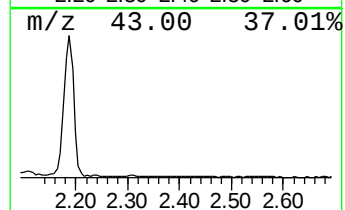
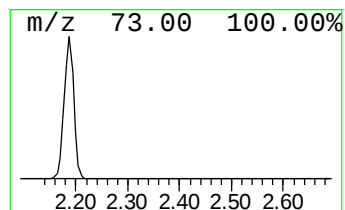
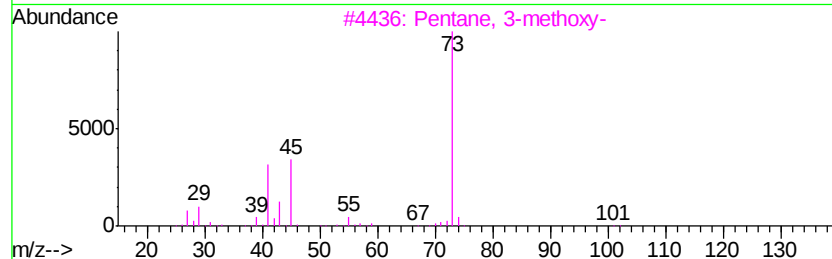
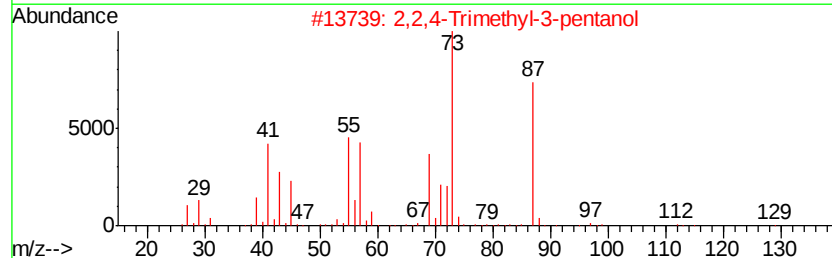
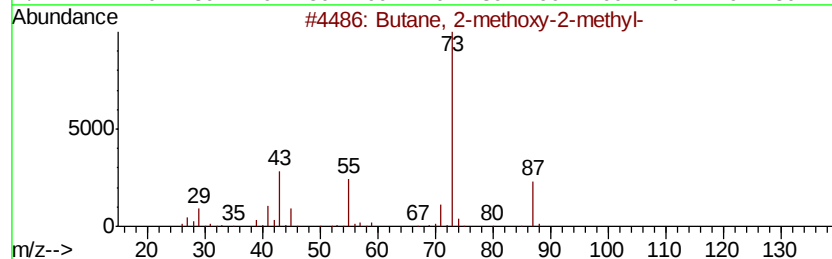
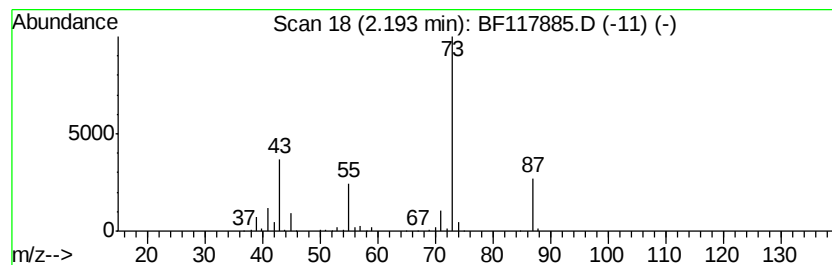
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.19 | 15.90 ng | 740451 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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6-(2-4)

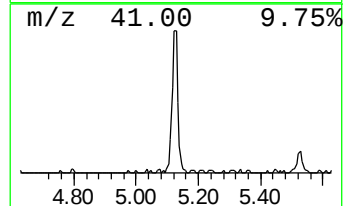
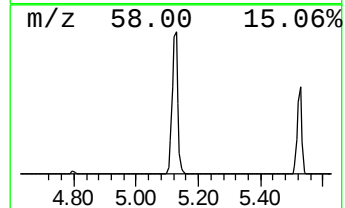
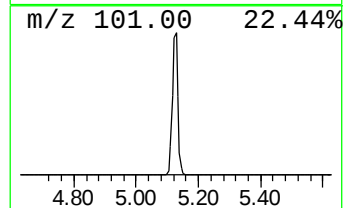
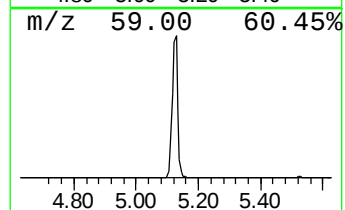
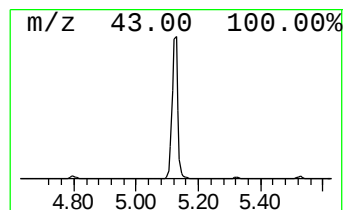
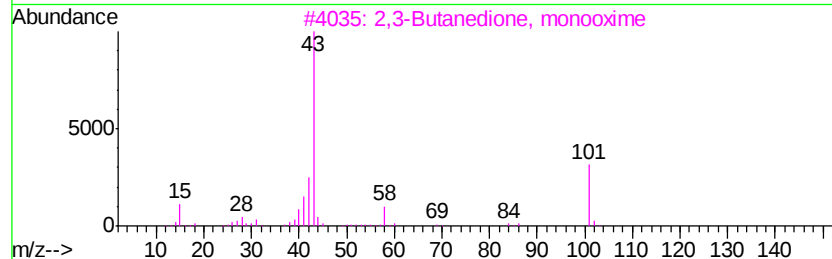
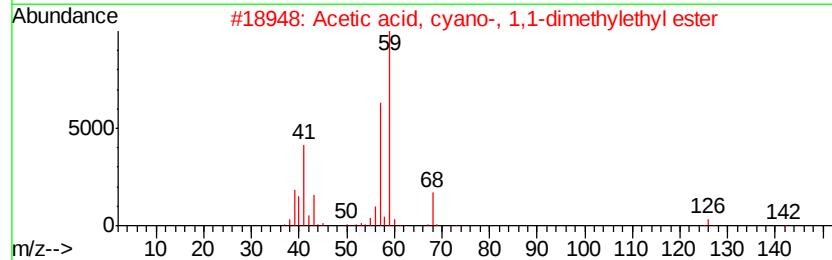
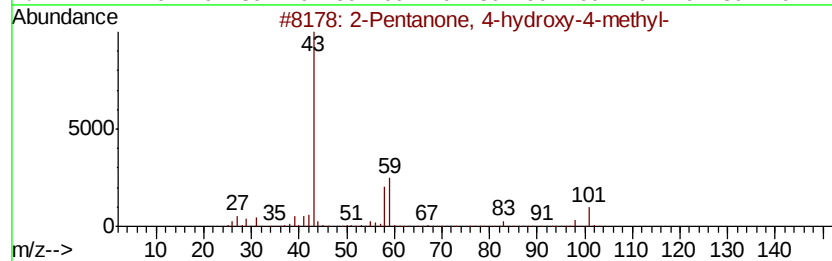
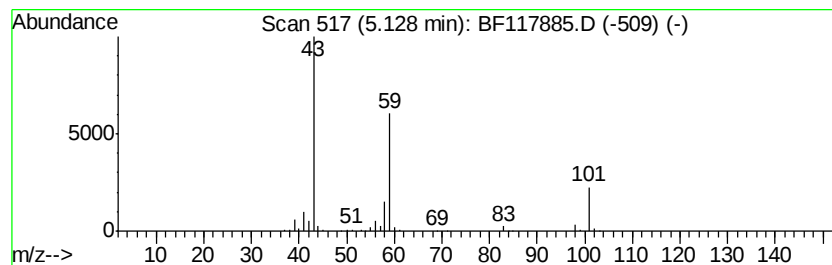
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.13 | 12.28 ng | 572235 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 17   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |



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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

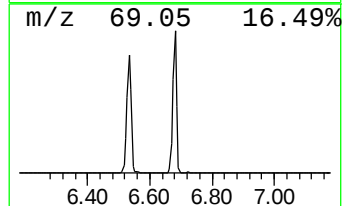
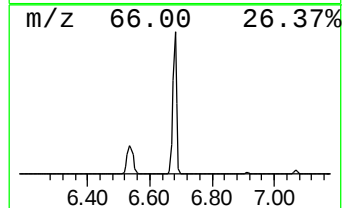
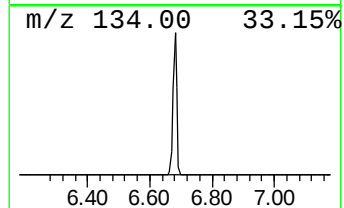
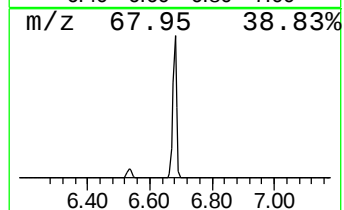
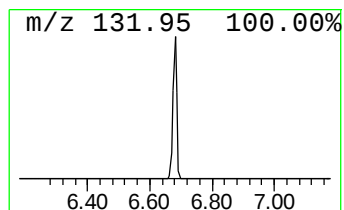
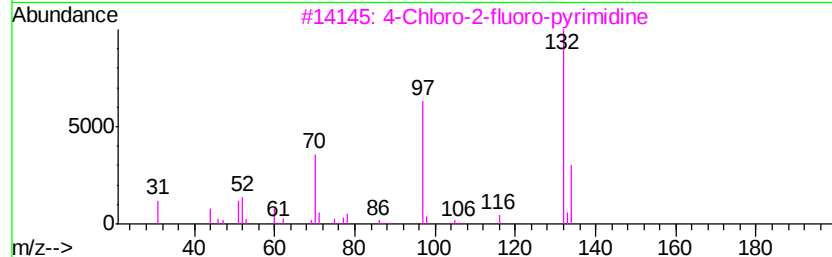
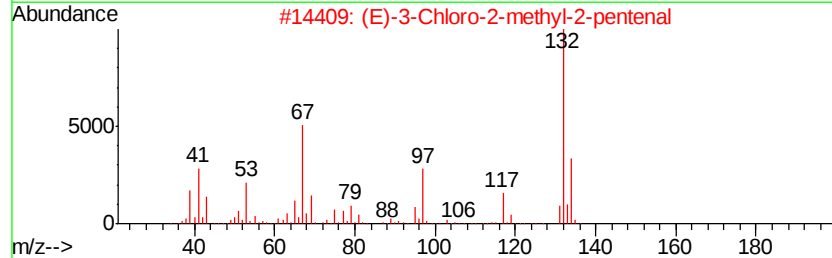
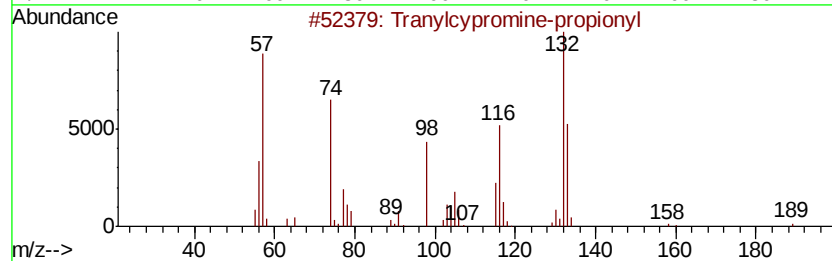
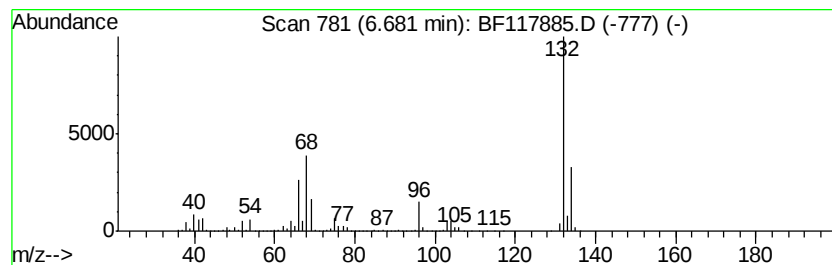
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.68 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.68 | 73.98 ng | 3445850 | 1,4-Dichlorobenzene-d4 | 6.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tranvlcyppromine-propionyl          | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

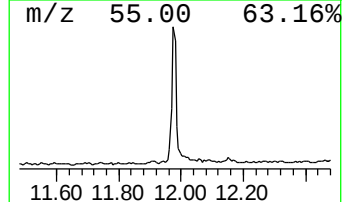
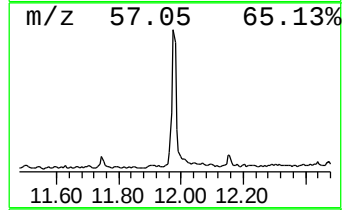
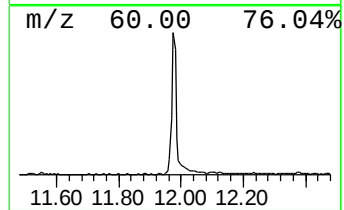
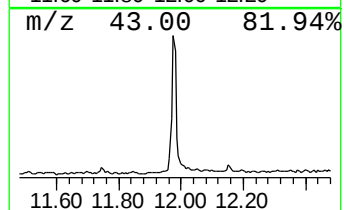
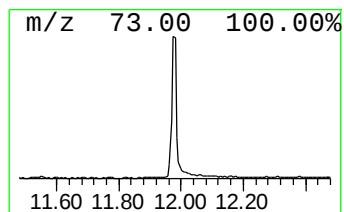
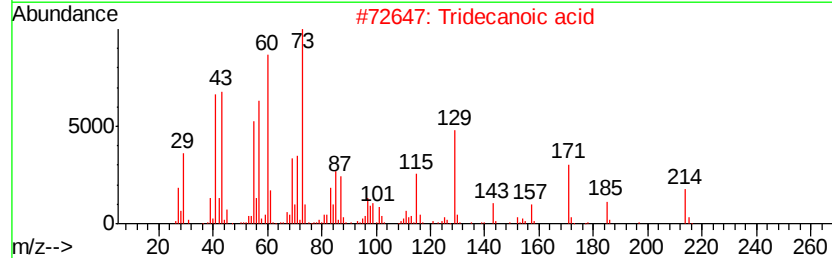
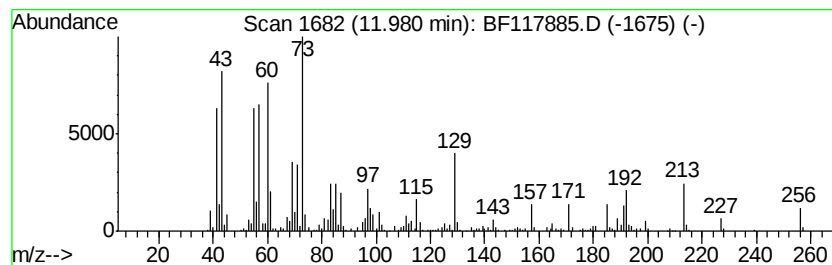
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.98 | 10.28 ng | 775152 | Phenanthrene-d10 | 11.46 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 70   |
| 5       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

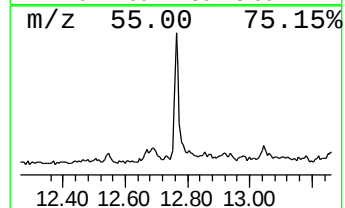
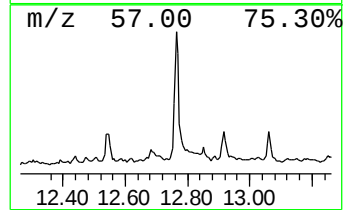
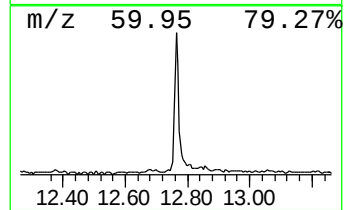
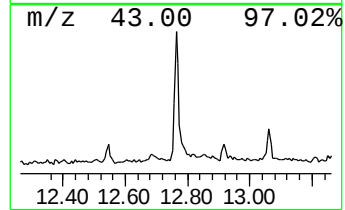
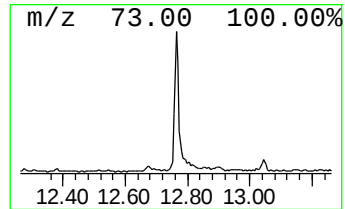
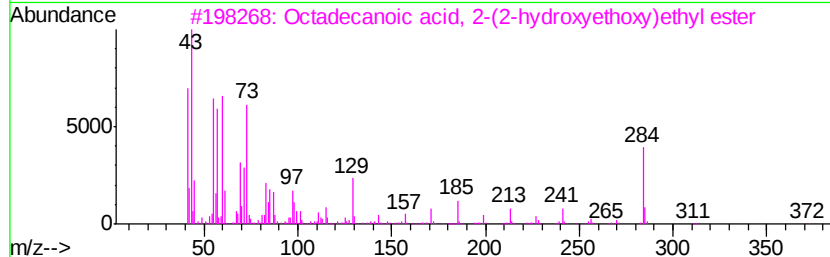
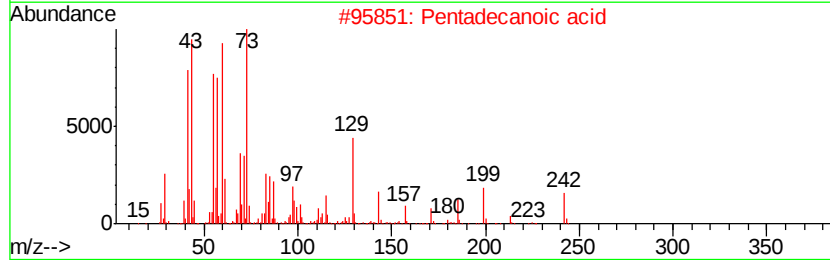
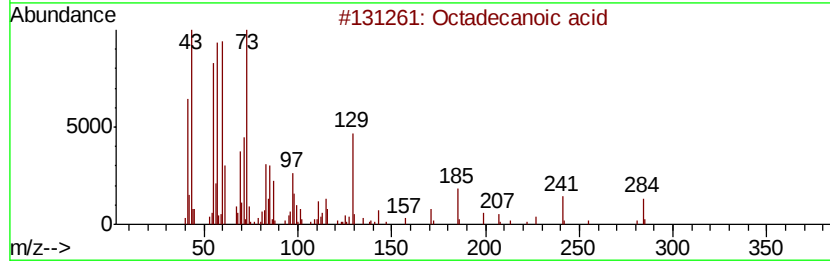
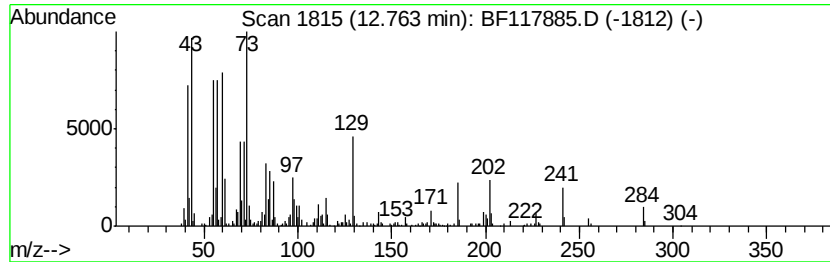
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.76 | 4.76 ng | 358629 | Phenanthrene-d10 | 11.46 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4  | 99   |
| 2    |    |   | Pentadecanoic acid                   | 242 | C15H30O2 | 001002-84-2  | 89   |
| 3    |    |   | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6  | 72   |
| 4    |    |   | Tetradecanoic acid                   | 228 | C14H28O2 | 000544-63-8  | 64   |
| 5    |    |   | n-Decyl .alpha.-d-2-deoxyglucoside   | 304 | C16H32O5 | 1000211-42-8 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

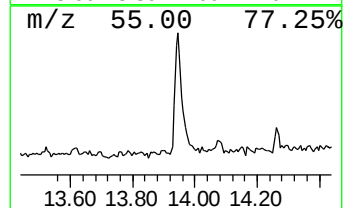
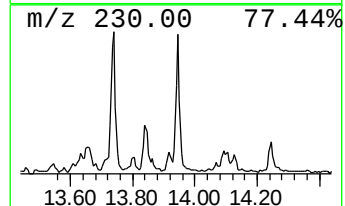
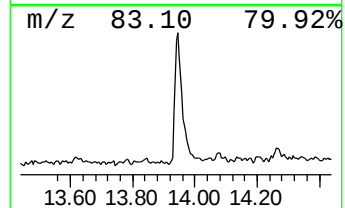
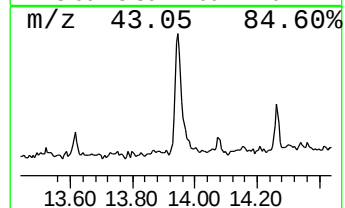
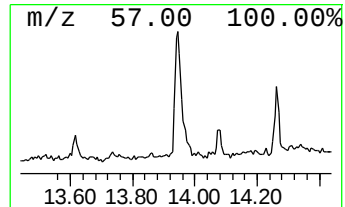
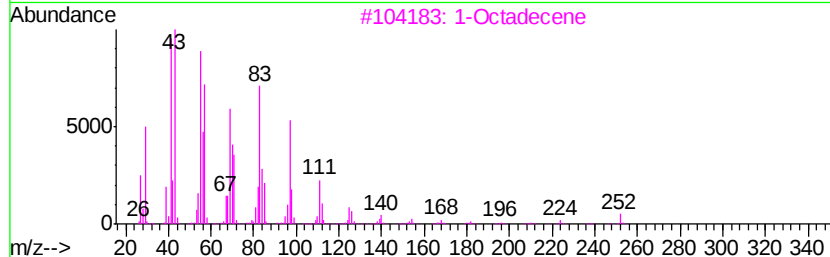
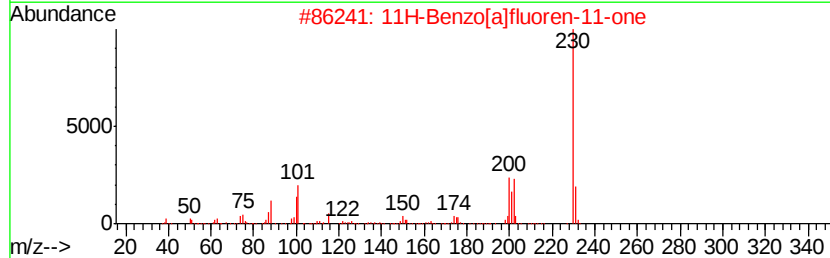
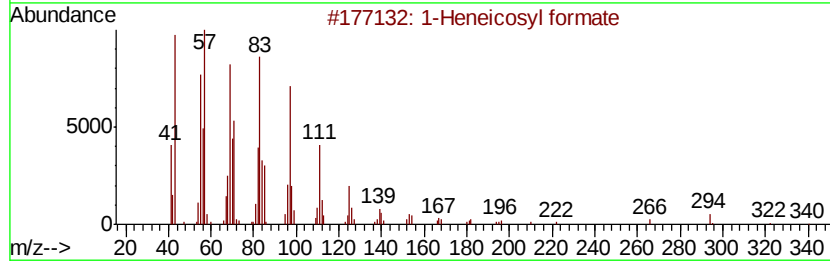
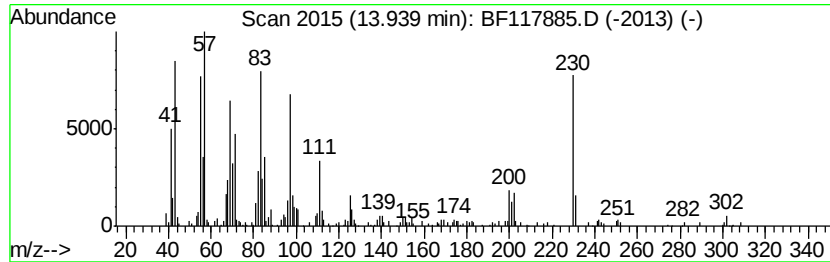
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1-Heneicosyl formate Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.94 | 3.85 ng | 337125 | Chrysene-d12     | 14.10 |

| Hit# | of | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Heneicosyl formate           | 340 | C22H44O2   | 077899-03-7 | 87   |
| 2    |    | 11H-Benzo[a]fluoren-11-one     | 230 | C17H10O    | 000479-79-8 | 86   |
| 3    |    | 1-Octadecene                   | 252 | C18H36     | 000112-88-9 | 84   |
| 4    |    | 1-Heptadecene                  | 238 | C17H34     | 006765-39-5 | 74   |
| 5    |    | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

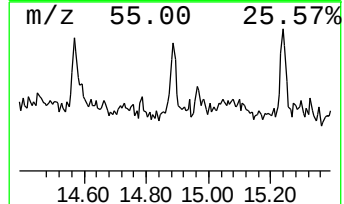
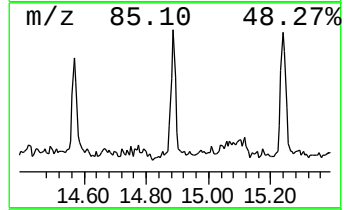
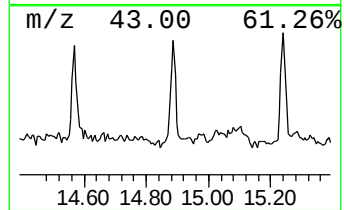
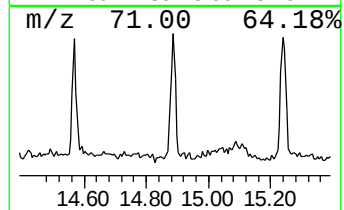
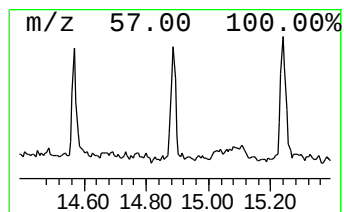
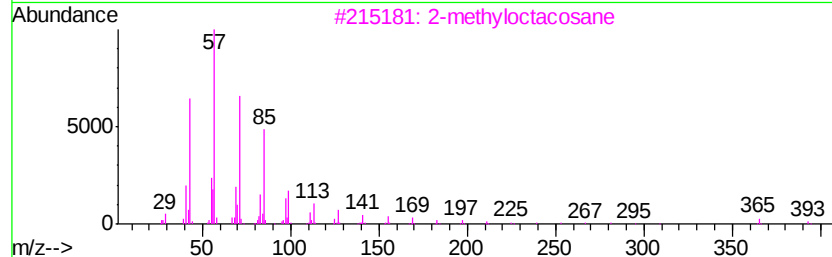
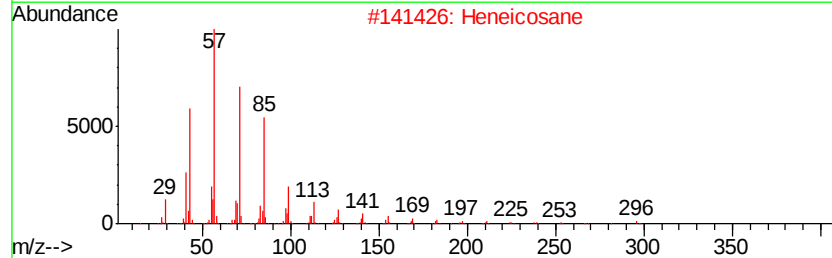
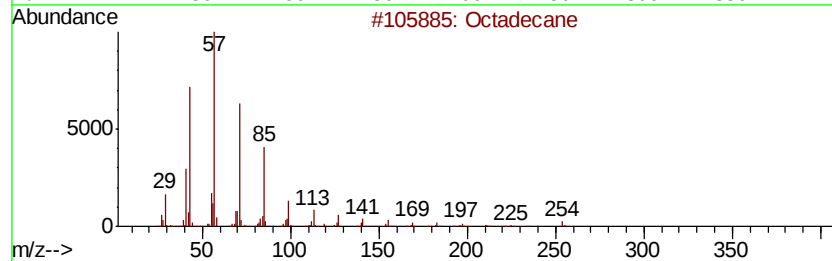
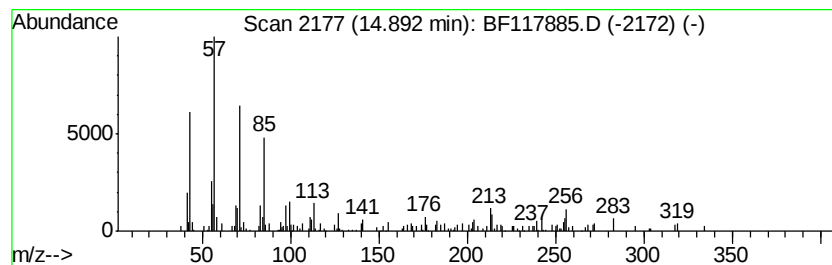
Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Octadecane Concentration Rank 9

| R.T.      | EstConc             | Area   | Relative to ISTD |              | R.T.  |
|-----------|---------------------|--------|------------------|--------------|-------|
| 14.89     | 2.04 ng             | 123456 | Perylene-d12     |              | 15.61 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#         | Qual  |
| 1         | Octadecane          | 254    | C18H38           | 000593-45-3  | 97    |
| 2         | Heneicosane         | 296    | C21H44           | 000629-94-7  | 76    |
| 3         | 2-methyloctacosane  | 408    | C29H60           | 1000376-72-8 | 74    |
| 4         | Docosane, 11-decyl- | 451    | C32H66           | 055401-55-3  | 72    |
| 5         | Triacontane         | 422    | C30H62           | 000638-68-6  | 68    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

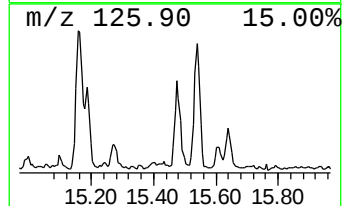
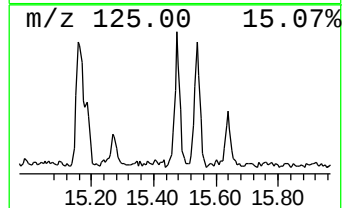
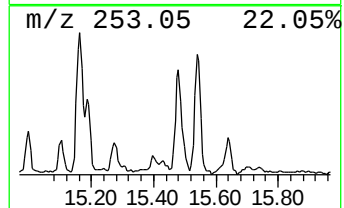
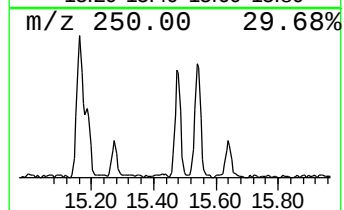
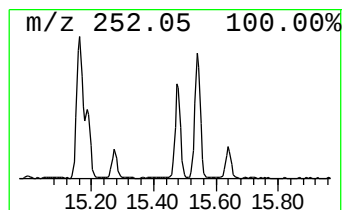
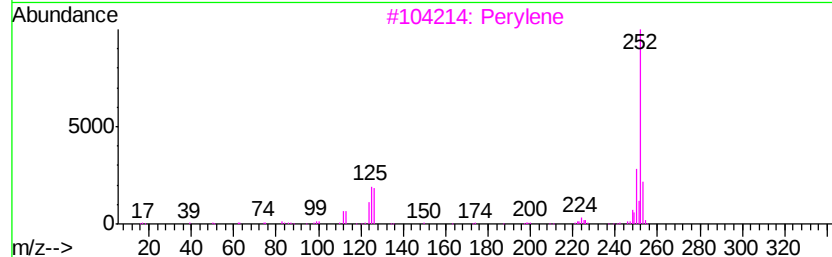
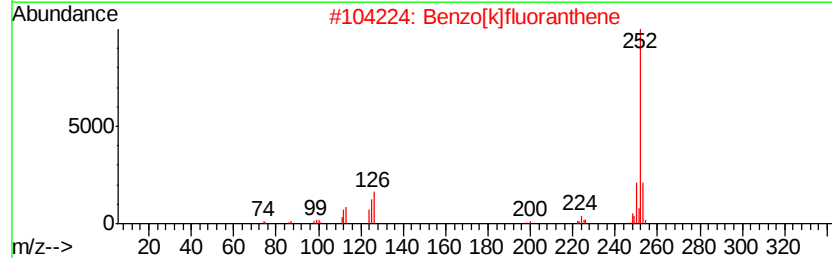
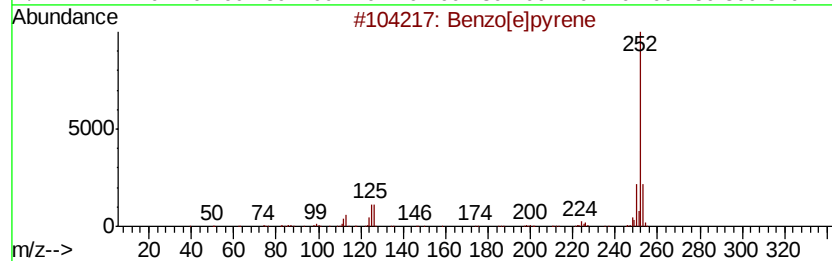
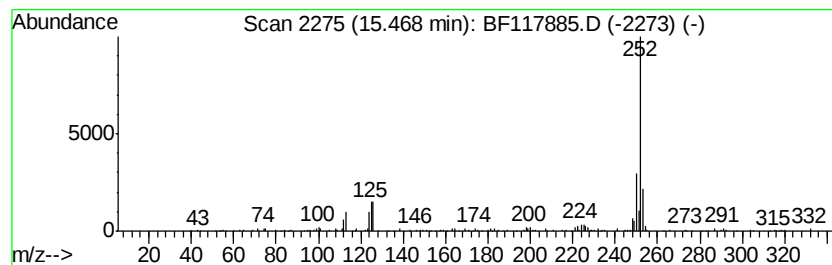
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzo[e]pyrene Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.47 | 4.27 ng | 258376 | Perylene-d12     | 15.61 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 98   |
| 3    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 97   |
| 4    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 96   |
| 5    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

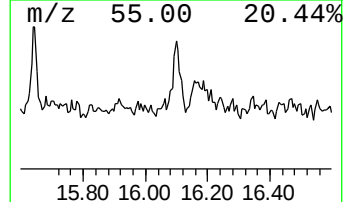
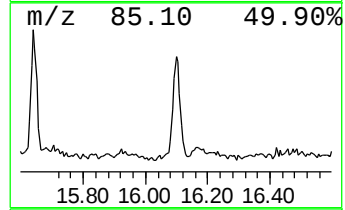
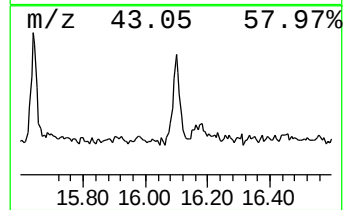
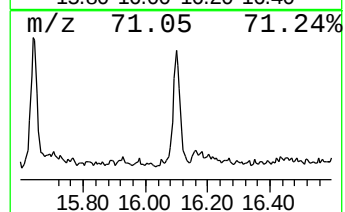
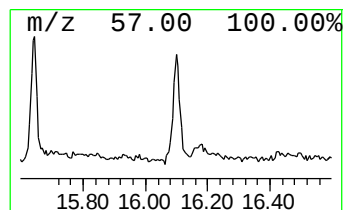
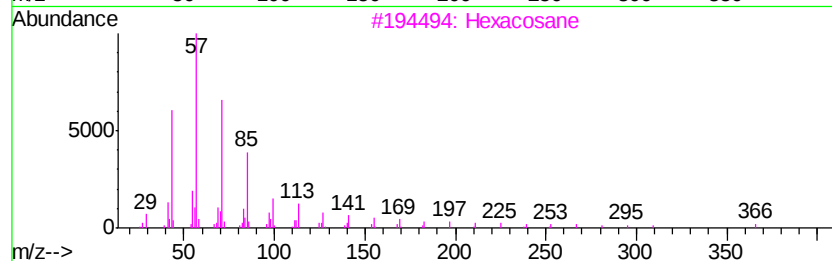
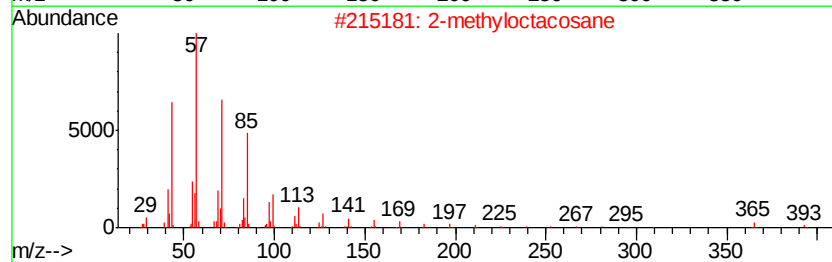
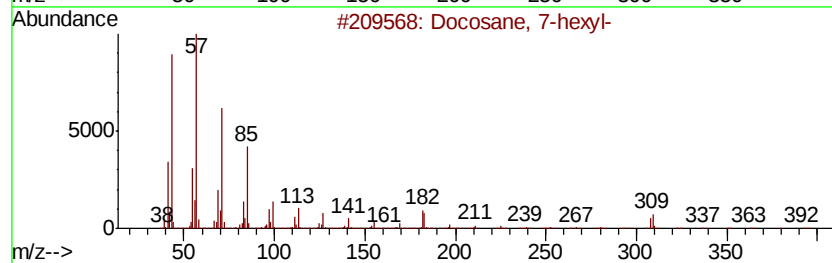
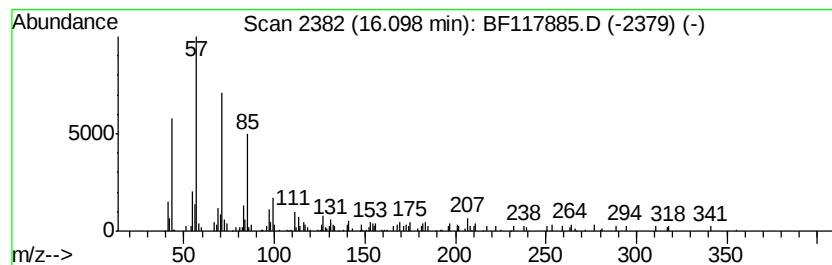
Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Docosane, 7-hexyl- Concentration Rank 10

| R.T.    | EstConc | Area                             | Relative to ISTD | R.T.            |
|---------|---------|----------------------------------|------------------|-----------------|
| 16.10   | 2.02 ng | 121922                           | Perylene-d12     | 15.61           |
| Hit# of | 5       | Tentative ID                     | MW MolForm       | CAS# Qual       |
| 1       |         | Docosane, 7-hexyl-               | 394 C28H58       | 055373-86-9 86  |
| 2       |         | 2-methyloctacosane               | 408 C29H60       | 1000376-72-8 80 |
| 3       |         | Hexacosane                       | 366 C26H54       | 000630-01-3 80  |
| 4       |         | Pentacosane                      | 352 C25H52       | 000629-99-2 80  |
| 5       |         | Heneicosane, 11-(1-ethylpropyl)- | 366 C26H54       | 055282-11-6 80  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF112019\  
Data File : BF117885.D  
Acq On : 20 Nov 2019 11:43  
Operator : JU  
Sample : K5833-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
6-(2-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF111319.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 |
| Butane, 2-methoxy... | 2.19  | 15.9    | ng    | 740451   | 1                     | 6.92  | 931608  | 20.0 |
| 2-Pentanone, 4-hy... | 5.13  | 12.3    | ng    | 572235   | 1                     | 6.92  | 931608  | 20.0 |
| unknown6.68          | 6.68  | 74.0    | ng    | 3445850  | 1                     | 6.92  | 931608  | 20.0 |
| n-Hexadecanoic acid  | 11.98 | 10.3    | ng    | 775152   | 4                     | 11.46 | 1507740 | 20.0 |
| Octadecanoic acid    | 12.76 | 4.8     | ng    | 358629   | 4                     | 11.46 | 1507740 | 20.0 |
| 1-Heneicosyl formate | 13.94 | 3.9     | ng    | 337125   | 5                     | 14.10 | 1753120 | 20.0 |
| Octadecane           | 14.89 | 2.0     | ng    | 123456   | 6                     | 15.61 | 1209040 | 20.0 |
| Benzo[e]pyrene       | 15.47 | 4.3     | ng    | 258376   | 6                     | 15.61 | 1209040 | 20.0 |
| Docosane, 7-hexyl-   | 16.10 | 2.0     | ng    | 121922   | 6                     | 15.61 | 1209040 | 20.0 |