

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
 Data File : BF108124.D  
 Acq On : 13 Aug 2018 18:53  
 Operator : JU/SJ  
 Sample : J4430-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G.L-WC-01

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         | 5.266       | 493           | 498         | 509          | rVB      | 809826         | 1049870       | 19.74%          | 2.028%        |
| 2         | 5.654       | 558           | 564         | 567          | rBV      | 4859334        | 4972940       | 93.49%          | 9.606%        |
| 3         | 6.643       | 727           | 732         | 735          | rBV      | 5092992        | 5319181       | 100.00%         | 10.275%       |
| 4         | 6.666       | 735           | 736         | 742          | rVB      | 109007         | 91172         | 1.71%           | 0.176%        |
| 5         | 6.795       | 753           | 758         | 761          | rBV      | 5634313        | 5167785       | 97.15%          | 9.983%        |
| 6         | 7.025       | 793           | 797         | 800          | rBV      | 1589378        | 1254035       | 23.58%          | 2.422%        |
| 7         | 7.184       | 819           | 824         | 827          | rBV      | 4536260        | 3911353       | 73.53%          | 7.556%        |
| 8         | 7.584       | 887           | 892         | 895          | rBV      | 3311510        | 3268185       | 61.44%          | 6.313%        |
| 9         | 8.307       | 1011          | 1015        | 1021         | rBV      | 1850723        | 1554241       | 29.22%          | 3.002%        |
| 10        | 9.383       | 1193          | 1198        | 1201         | rBV      | 5814614        | 4929624       | 92.68%          | 9.523%        |
| 11        | 9.772       | 1261          | 1264        | 1267         | rVB      | 670740         | 490013        | 9.21%           | 0.947%        |
| 12        | 9.936       | 1285          | 1292        | 1296         | rBV      | 66029          | 74402         | 1.40%           | 0.144%        |
| 13        | 10.072      | 1311          | 1315        | 1319         | rBV      | 1723432        | 1570100       | 29.52%          | 3.033%        |
| 14        | 10.483      | 1378          | 1385        | 1389         | rVB2     | 42744          | 56865         | 1.07%           | 0.110%        |
| 15        | 10.625      | 1406          | 1409        | 1413         | rVB      | 64823          | 61968         | 1.16%           | 0.120%        |
| 16        | 10.872      | 1446          | 1451        | 1454         | rBV      | 2952836        | 2898520       | 54.49%          | 5.599%        |
| 17        | 11.572      | 1566          | 1570        | 1572         | rBV      | 1721232        | 1505648       | 28.31%          | 2.908%        |
| 18        | 11.595      | 1572          | 1574        | 1578         | rVB      | 848705         | 686015        | 12.90%          | 1.325%        |
| 19        | 11.648      | 1580          | 1583        | 1586         | rVV      | 185575         | 148850        | 2.80%           | 0.288%        |
| 20        | 11.801      | 1605          | 1609        | 1613         | rBV      | 62632          | 62720         | 1.18%           | 0.121%        |
| 21        | 12.077      | 1653          | 1656        | 1658         | rBV      | 185696         | 158630        | 2.98%           | 0.306%        |
| 22        | 12.101      | 1658          | 1660        | 1664         | rVB      | 193715         | 180043        | 3.38%           | 0.348%        |
| 23        | 12.189      | 1671          | 1675        | 1677         | rBV2     | 197912         | 228401        | 4.29%           | 0.441%        |
| 24        | 12.213      | 1677          | 1679        | 1682         | rVB      | 138301         | 107390        | 2.02%           | 0.207%        |
| 25        | 12.372      | 1703          | 1706        | 1708         | rVV      | 103828         | 85478         | 1.61%           | 0.165%        |
| 26        | 12.401      | 1708          | 1711        | 1716         | rVB2     | 104864         | 108584        | 2.04%           | 0.210%        |
| 27        | 12.630      | 1746          | 1750        | 1753         | rBV2     | 134043         | 170820        | 3.21%           | 0.330%        |
| 28        | 12.719      | 1762          | 1765        | 1769         | rBV3     | 81333          | 103042        | 1.94%           | 0.199%        |
| 29        | 12.795      | 1774          | 1778        | 1781         | rVV      | 1062411        | 869939        | 16.35%          | 1.680%        |
| 30        | 13.030      | 1811          | 1818        | 1823         | rBV      | 948684         | 1105325       | 20.78%          | 2.135%        |
| 31        | 13.166      | 1836          | 1841        | 1844         | rBV      | 4332702        | 4172871       | 78.45%          | 8.061%        |
| 32        | 13.242      | 1850          | 1854        | 1858         | rBV3     | 75840          | 125672        | 2.36%           | 0.243%        |
| 33        | 13.330      | 1866          | 1869        | 1870         | rBV3     | 63228          | 61828         | 1.16%           | 0.119%        |
| 34        | 13.354      | 1870          | 1873        | 1875         | rVV      | 101944         | 98706         | 1.86%           | 0.191%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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 | 13.424 | 1882 | 1885 | 1886 | rBV  | 85175   | 92361   | 1.74%  | 0.178% |
| 36 | 13.460 | 1889 | 1891 | 1893 | rBV  | 79196   | 64644   | 1.22%  | 0.125% |
| 37 | 13.554 | 1905 | 1907 | 1910 | rBV  | 85796   | 70324   | 1.32%  | 0.136% |
| 38 | 13.589 | 1910 | 1913 | 1917 | rBV2 | 152457  | 202245  | 3.80%  | 0.391% |
| 39 | 13.713 | 1932 | 1934 | 1936 | rBV  | 67552   | 61214   | 1.15%  | 0.118% |
| 40 | 14.060 | 1987 | 1993 | 2004 | rBV4 | 270030  | 712228  | 13.39% | 1.376% |
| 41 | 14.230 | 2018 | 2022 | 2025 | rBV2 | 1433472 | 1718867 | 32.31% | 3.320% |
| 42 | 14.260 | 2025 | 2027 | 2033 | rVB  | 383644  | 319606  | 6.01%  | 0.617% |
| 43 | 14.366 | 2042 | 2045 | 2048 | rBV2 | 129704  | 120741  | 2.27%  | 0.233% |
| 44 | 14.671 | 2095 | 2097 | 2100 | rVB  | 135872  | 120560  | 2.27%  | 0.233% |
| 45 | 15.007 | 2151 | 2154 | 2158 | rVB  | 178276  | 189084  | 3.55%  | 0.365% |
| 46 | 15.330 | 2206 | 2209 | 2213 | rBV  | 186215  | 294962  | 5.55%  | 0.570% |
| 47 | 15.742 | 2276 | 2279 | 2283 | rVB  | 152671  | 194550  | 3.66%  | 0.376% |
| 48 | 15.812 | 2286 | 2291 | 2295 | rVB  | 636855  | 956564  | 17.98% | 1.848% |

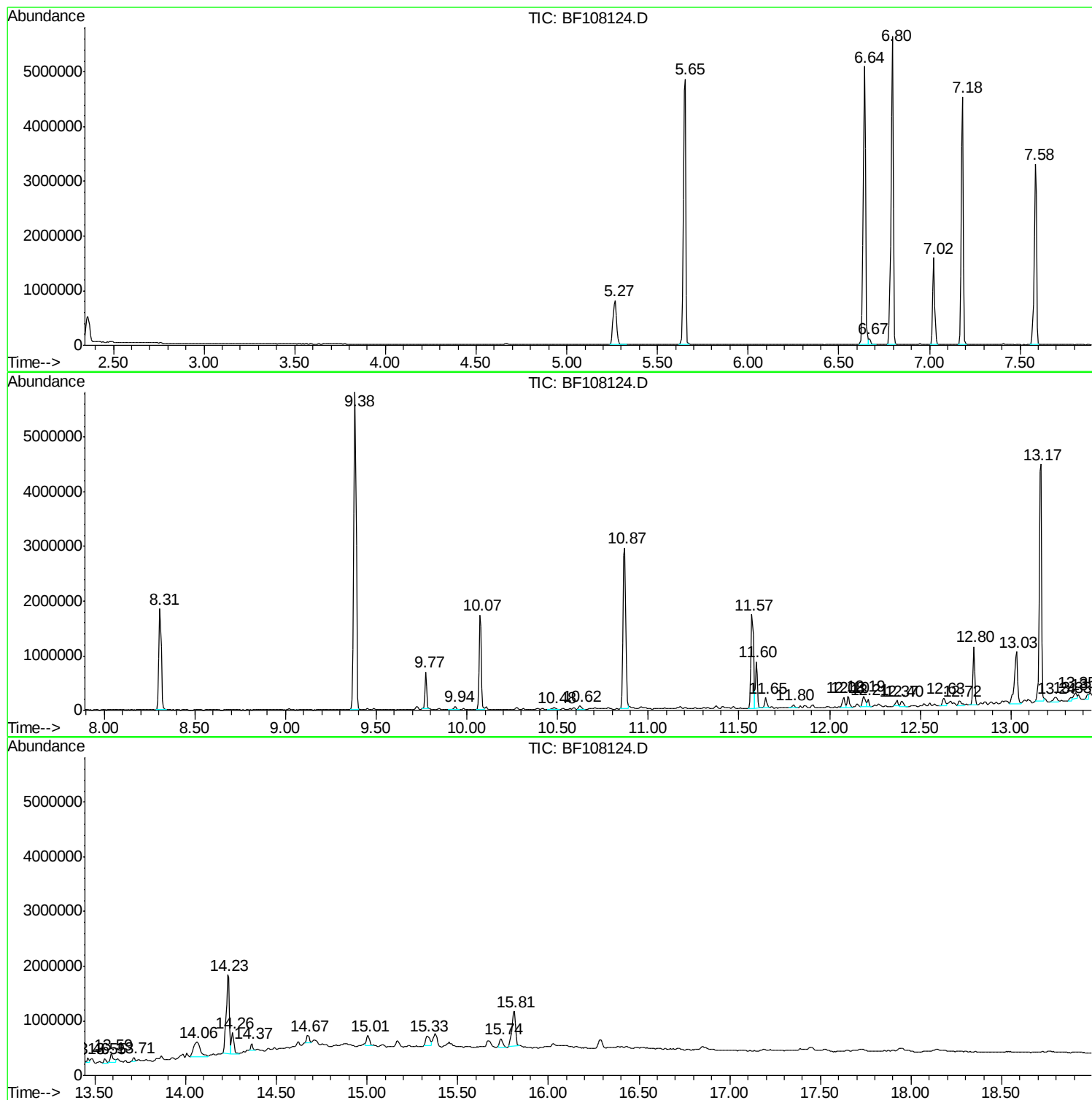
Sum of corrected areas: 51768166

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
G.L-WC-01

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\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

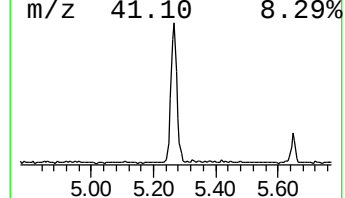
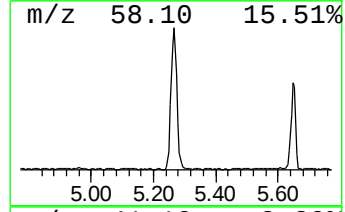
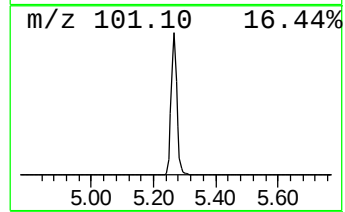
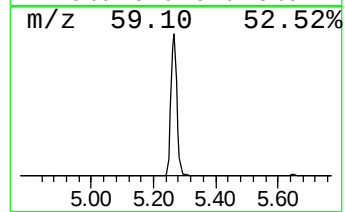
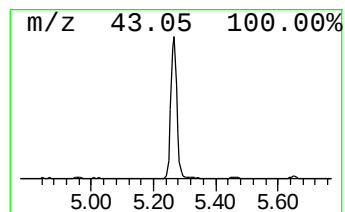
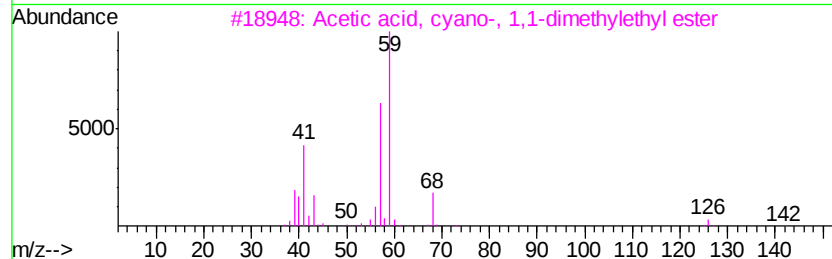
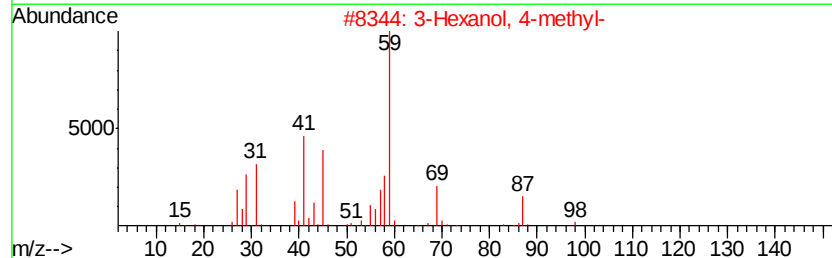
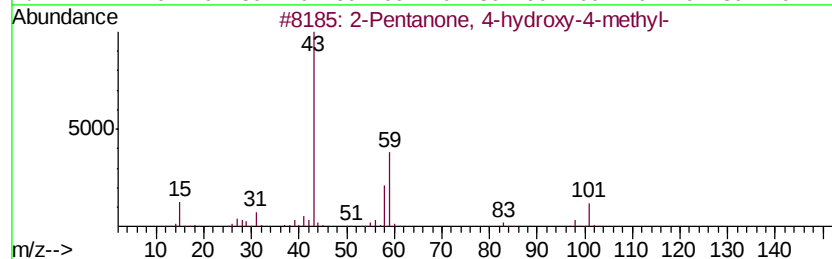
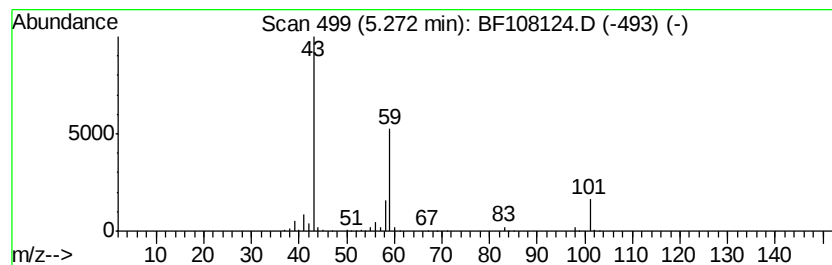
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.27 | 16.74 ng | 1049870 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    |   | Propane, 2-ethoxy-2-methyl-         | 102 | C6H14O   | 000637-92-3 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

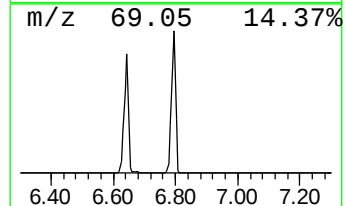
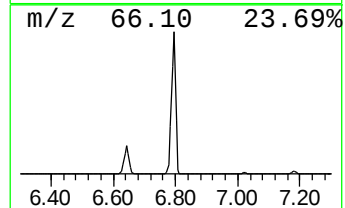
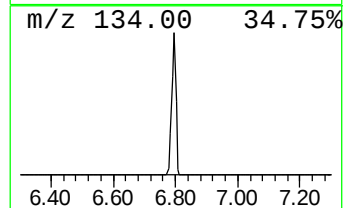
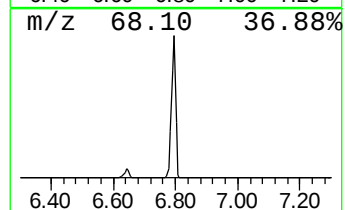
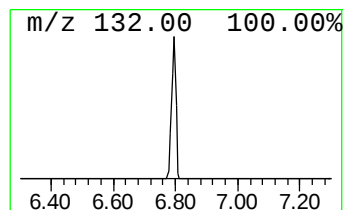
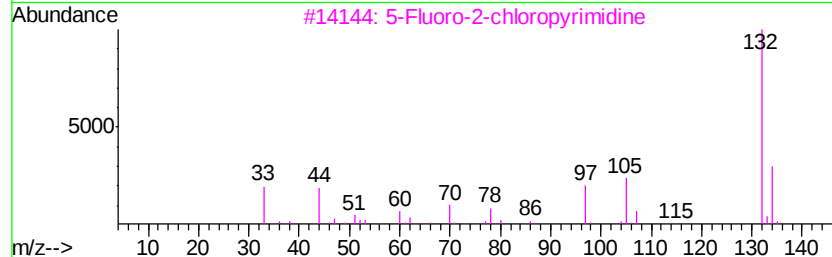
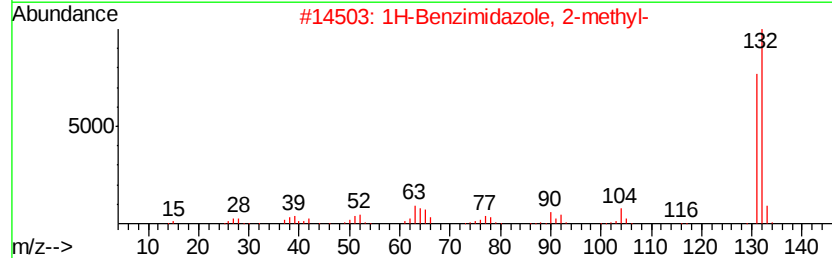
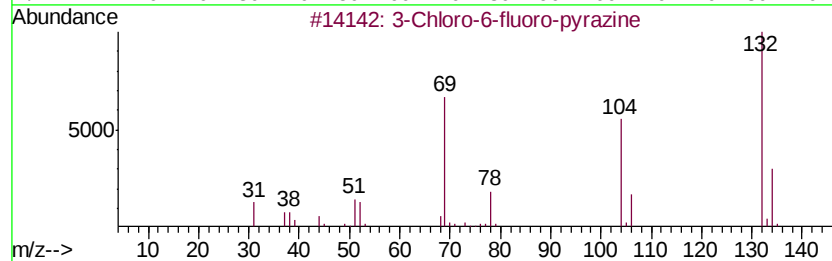
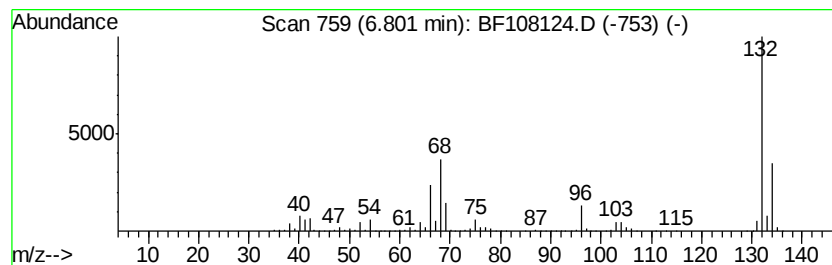
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.80 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.80 | 82.42 ng | 5167790 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 4    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

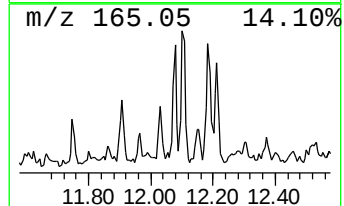
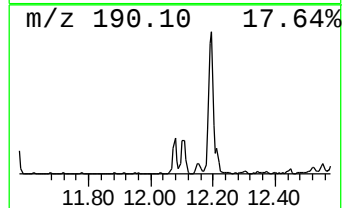
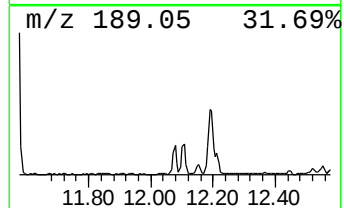
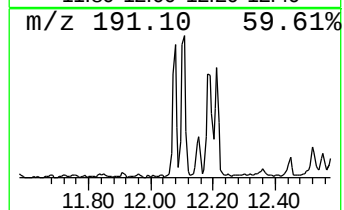
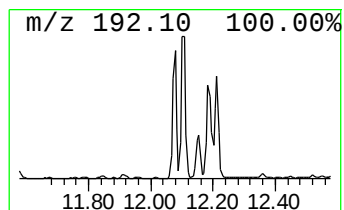
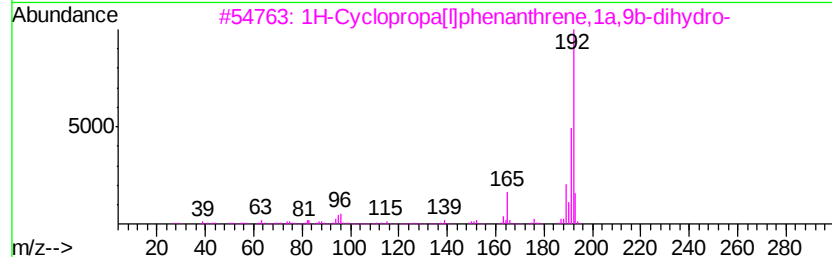
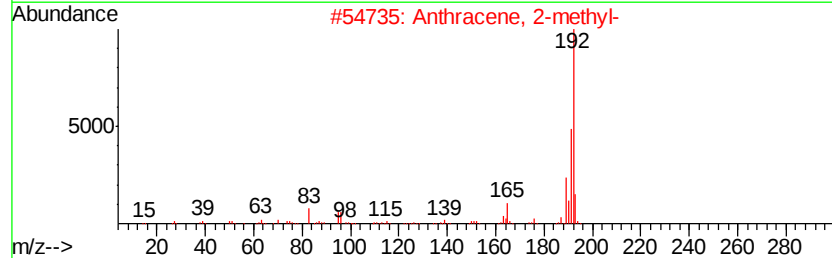
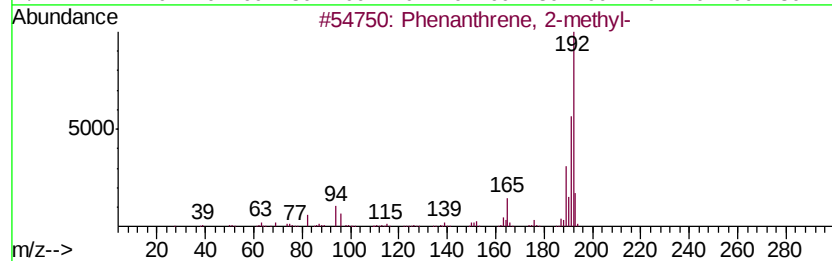
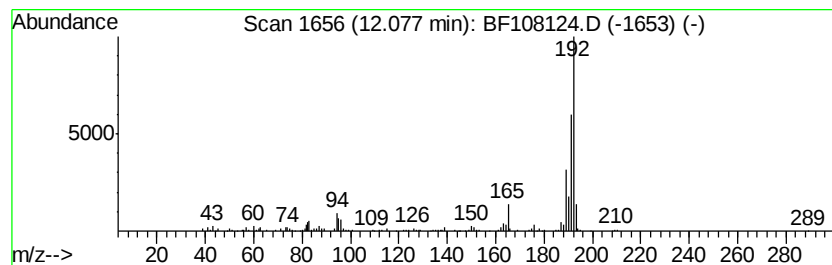
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.08 | 2.11 ng | 158630 | Phenanthrene-d10 | 11.57 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 94   |
| 2    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 93   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 91   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 91   |
| 5    |    |   | Anthracene, 9-methyl-               | 192 | C15H12  | 000779-02-2 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

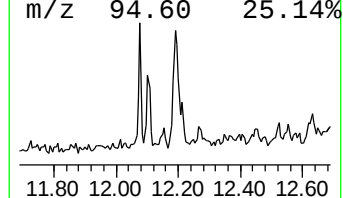
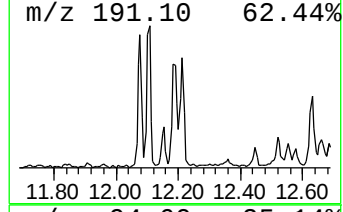
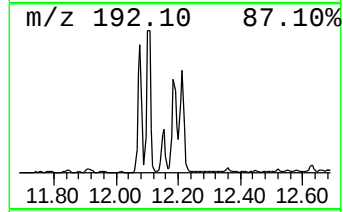
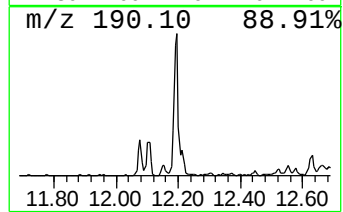
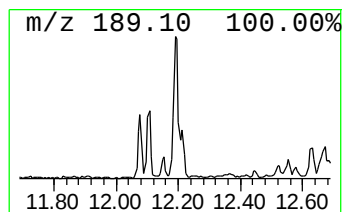
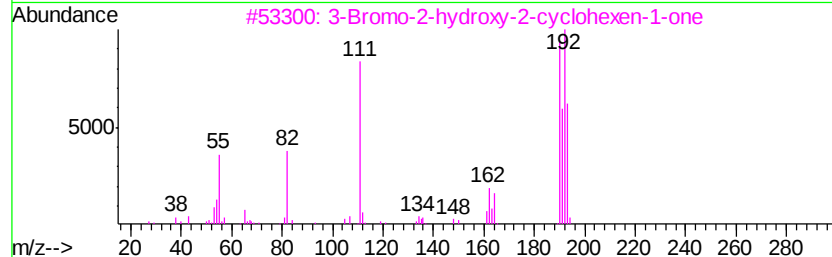
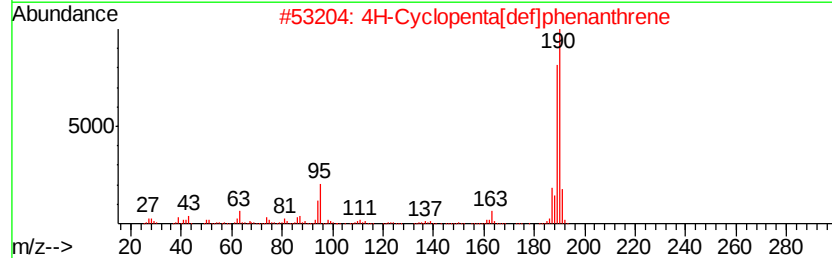
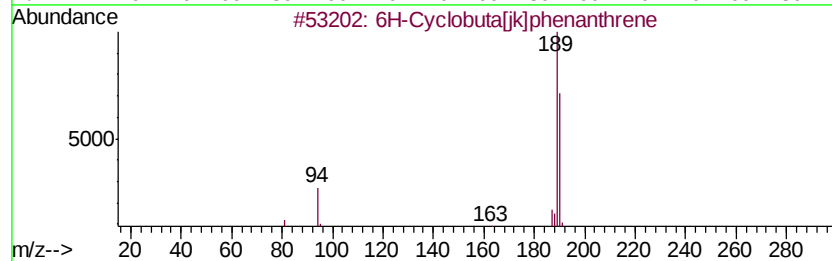
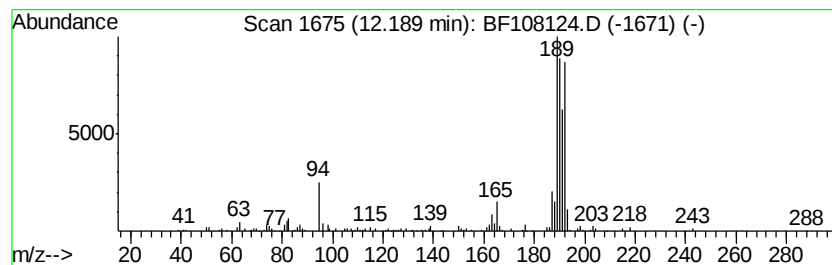
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown12.19 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.19 | 3.03 ng | 228401 | Phenanthrene-d10 | 11.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 6H-Cyclobuta[jk]phenanthrene        | 190 | C15H10   | 083469-43-6 | 49   |
| 2    |    | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 46   |
| 3    |    | 3-Bromo-2-hydroxy-2-cyclohexen-1... | 190 | C6H7BrO2 | 010324-65-9 | 43   |
| 4    |    | Phenanthrene, 1-methyl-             | 192 | C15H12   | 000832-69-9 | 42   |
| 5    |    | Anthracene, 1-methyl-               | 192 | C15H12   | 000610-48-0 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

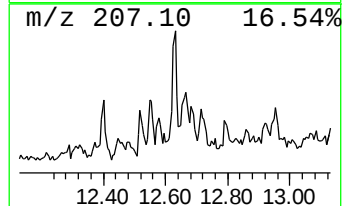
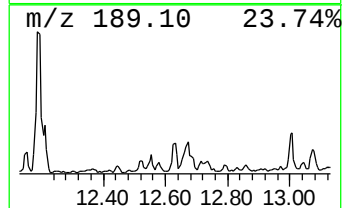
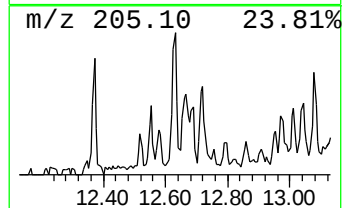
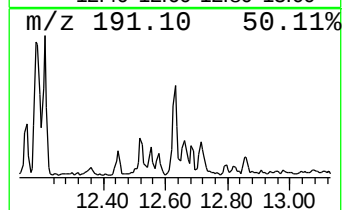
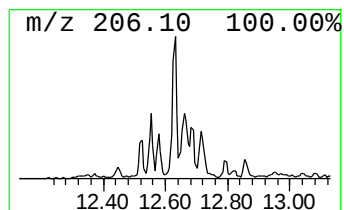
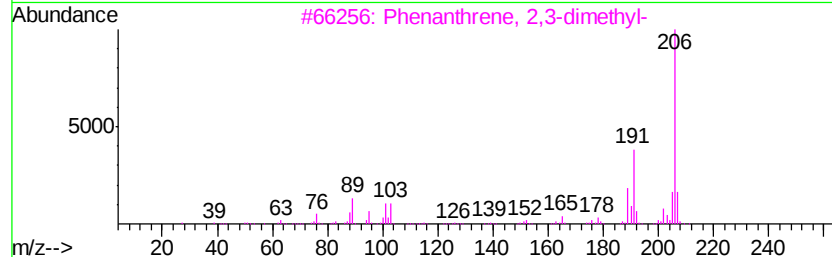
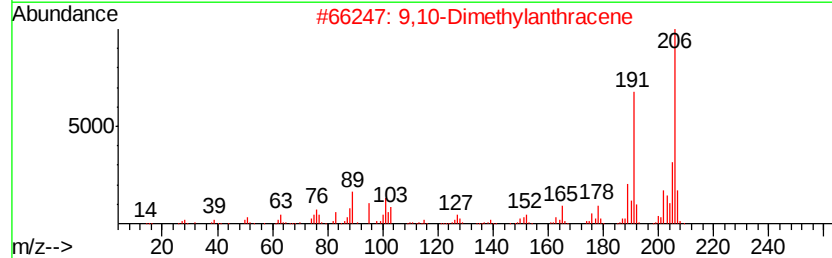
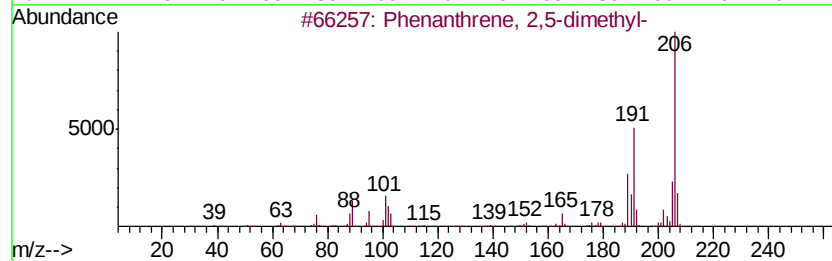
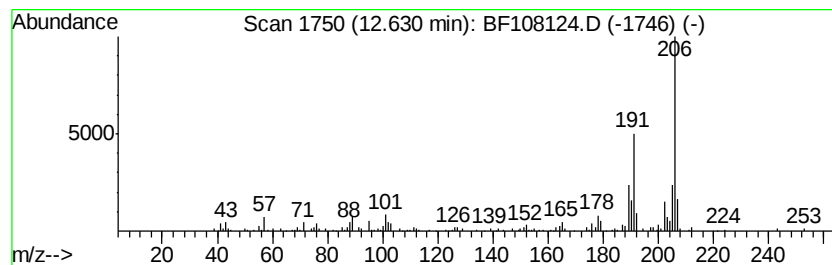
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.63 | 2.27 ng | 170820 | Phenanthrene-d10 | 11.57 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2,5-dimethyl-       | 206 | C16H14  | 003674-66-6 | 97   |
| 2       |   | 9,10-Dimethylantracene            | 206 | C16H14  | 000781-43-1 | 91   |
| 3       |   | Phenanthrene, 2,3-dimethyl-       | 206 | C16H14  | 003674-65-5 | 91   |
| 4       |   | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14  | 086544-79-8 | 90   |
| 5       |   | Phenanthrene, 4,5-dimethyl-       | 206 | C16H14  | 003674-69-9 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

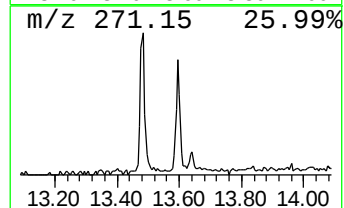
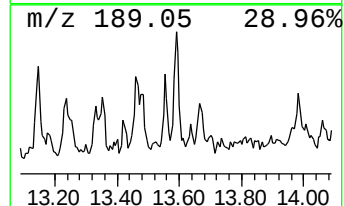
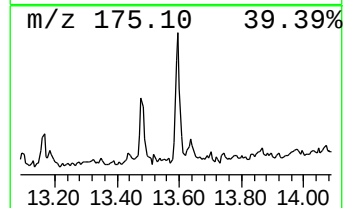
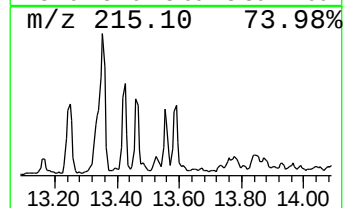
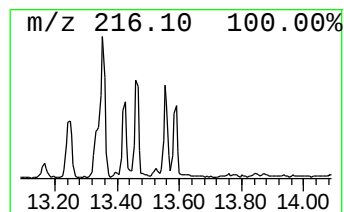
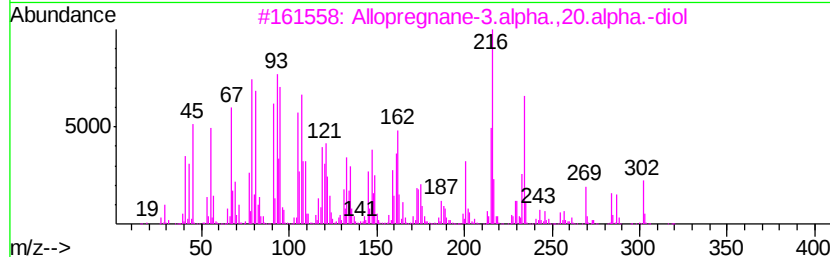
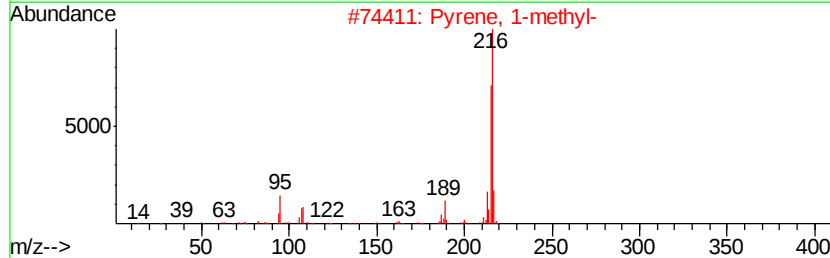
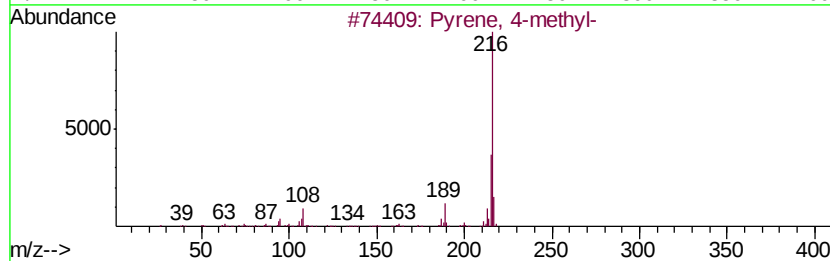
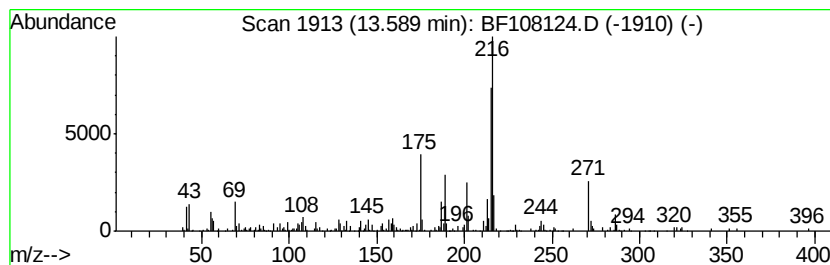
Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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 8 Pyrene, 4-methyl- Concentration Rank 7

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.           |
|---------|---------|-------------------------------------|------------------|----------------|
| 13.59   | 2.35 ng | 202245                              | Chrysene-d12     | 14.24          |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |         | Pyrene, 4-methyl-                   | 216 C17H12       | 003353-12-6 83 |
| 2       |         | Pyrene, 1-methyl-                   | 216 C17H12       | 002381-21-7 78 |
| 3       |         | Allopregnane-3.alpha.,20.alpha.-... | 320 C21H36O2     | 000566-58-5 58 |
| 4       |         | 11H-Benzo[b]fluorene                | 216 C17H12       | 000243-17-4 55 |
| 5       |         | Pyrene, 2-methyl-                   | 216 C17H12       | 003442-78-2 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

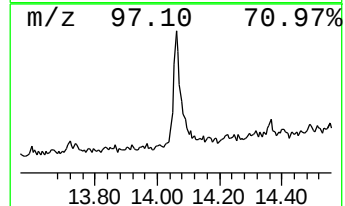
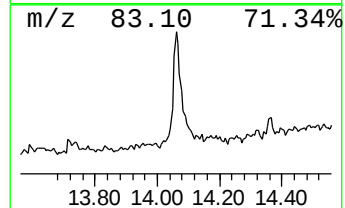
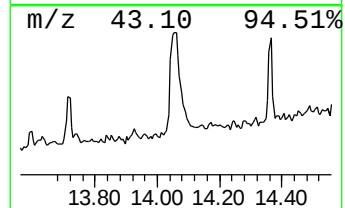
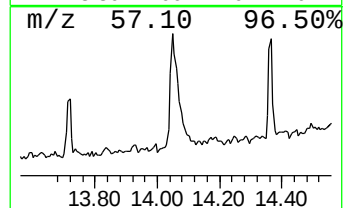
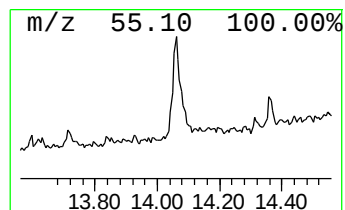
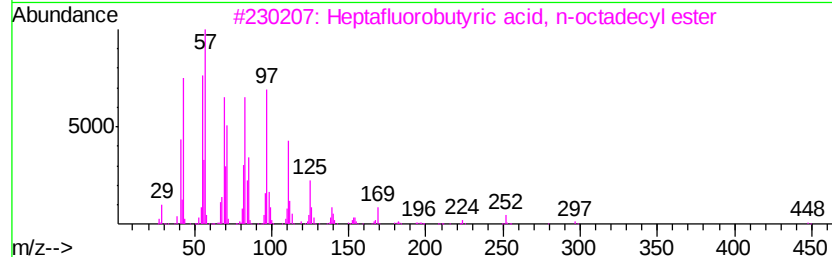
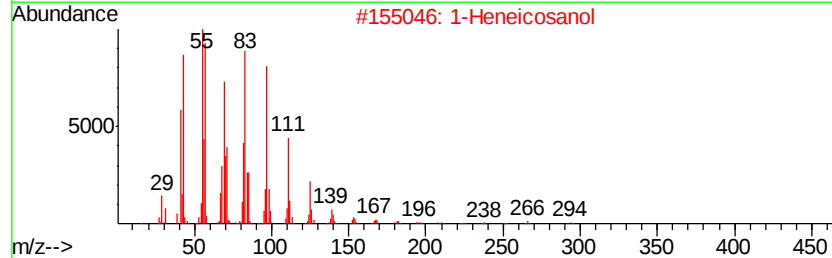
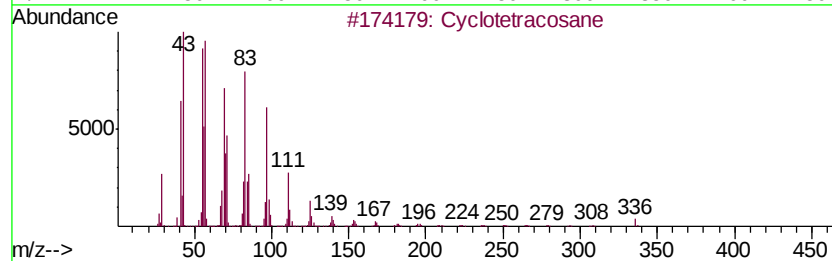
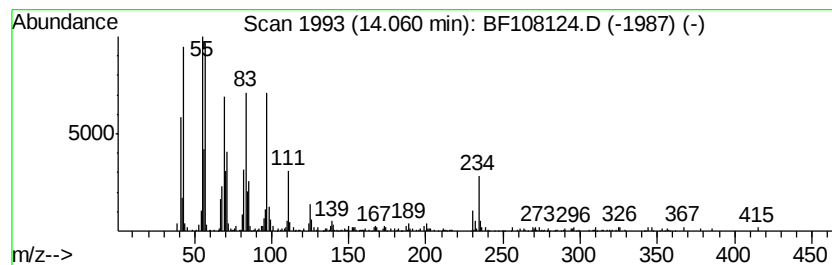
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Cyclotetracosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.06 | 8.29 ng | 712228 | Chrysene-d12     | 14.24 |

| Hit# of | 5 | Tentative ID                               | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------------------|-----|------------|-------------|------|
| 1       |   | Cyclotetracosane                           | 336 | C24H48     | 000297-03-0 | 91   |
| 2       |   | 1-Heneicosanol                             | 312 | C21H44O    | 015594-90-8 | 87   |
| 3       |   | Heptafluorobutyric acid, n-octadecyl ester | 466 | C22H37F7O2 | 000400-57-7 | 87   |
| 4       |   | Bromoacetic acid, octadecyl ester          | 390 | C20H39BrO2 | 018992-03-5 | 87   |
| 5       |   | Heptadecyl heptafluorobutyrate             | 452 | C21H35F7O2 | 959085-66-6 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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

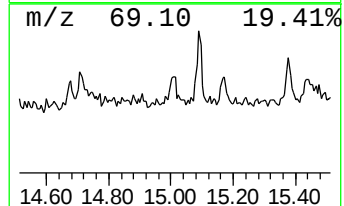
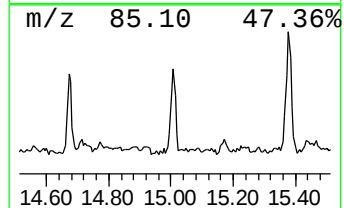
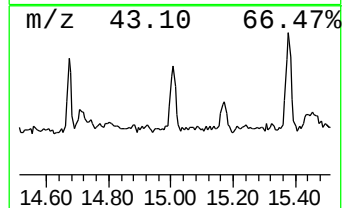
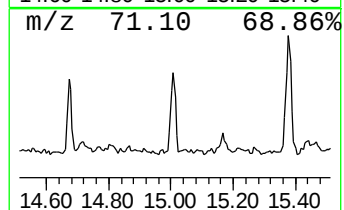
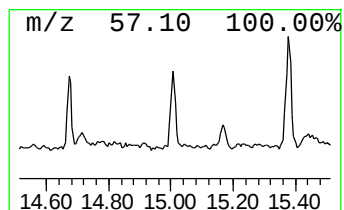
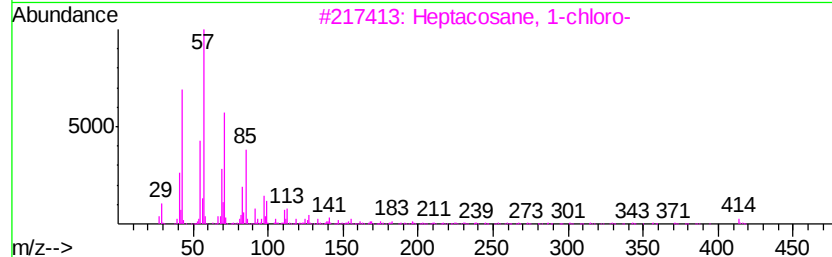
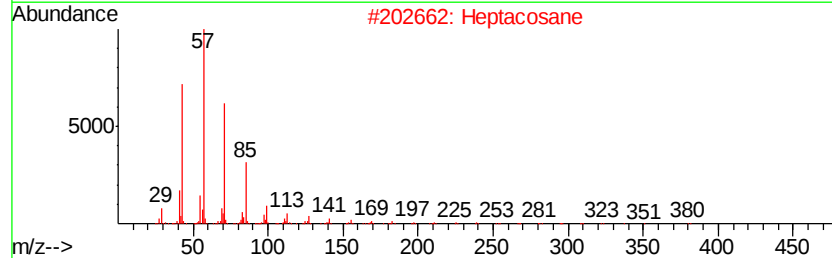
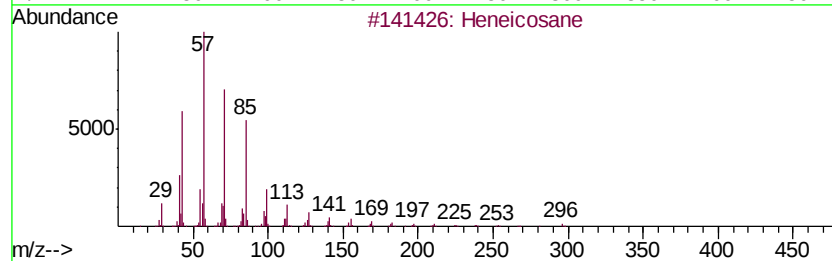
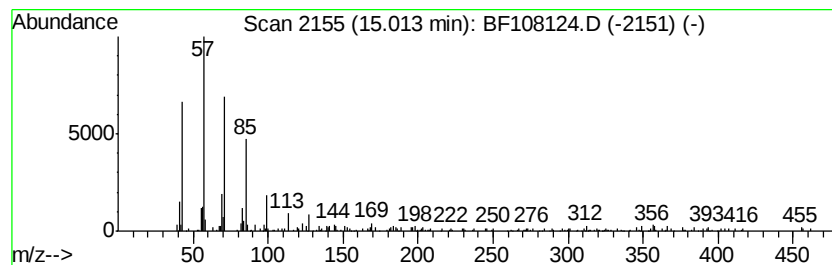
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.01 | 2.20 ng | 189084 | Chrysene-d12     | 14.24 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|------------------------|--------------|-----|----------|-------------|------|
| 1       | Heneicosane            |              | 296 | C21H44   | 000629-94-7 | 93   |
| 2       | Heptacosane            |              | 380 | C27H56   | 000593-49-7 | 91   |
| 3       | Heptacosane, 1-chloro- |              | 414 | C27H55Cl | 062016-79-9 | 80   |
| 4       | Octacosane             |              | 394 | C28H58   | 000630-02-4 | 72   |
| 5       | Tridecane, 1-iodo-     |              | 310 | C13H27I  | 035599-77-0 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081318\  
Data File : BF108124.D  
Acq On : 13 Aug 2018 18:53  
Operator : JU/SJ  
Sample : J4430-12  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G.L-WC-01

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... | 5.27  | 16.7    | ng    | 1049870  | 1                     | 7.02  | 1254040 | 20.0 |
| unknown6.80          | 6.80  | 82.4    | ng    | 5167790  | 1                     | 7.02  | 1254040 | 20.0 |
| Phenanthrene, 2-m... | 12.08 | 2.1     | ng    | 158630   | 4                     | 11.57 | 1505650 | 20.0 |
| unknown12.19         | 12.19 | 3.0     | ng    | 228401   | 4                     | 11.57 | 1505650 | 20.0 |
| Phenanthrene, 2,5... | 12.63 | 2.3     | ng    | 170820   | 4                     | 11.57 | 1505650 | 20.0 |
| Pyrene, 4-methyl-    | 13.59 | 2.4     | ng    | 202245   | 5                     | 14.24 | 1718870 | 20.0 |
| Cyclotetracosane     | 14.06 | 8.3     | ng    | 712228   | 5                     | 14.24 | 1718870 | 20.0 |
| Heneicosane          | 15.01 | 2.2     | ng    | 189084   | 5                     | 14.24 | 1718870 | 20.0 |