

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
 Data File : BF081689.D  
 Acq On : 17 Sep 2015 21:20  
 Operator : UM/IZ  
 Sample : G3664-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GP-1(0-5)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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         | 1.247       | 11            | 14          | 17           | rVB      | 1033386        | 1086350       | 76.61%          | 6.624%        |
| 2         | 1.316       | 19            | 20          | 27           | rVB      | 17152          | 27410         | 1.93%           | 0.167%        |
| 3         | 1.441       | 30            | 31          | 37           | rBV      | 59817          | 155880        | 10.99%          | 0.950%        |
| 4         | 1.533       | 37            | 39          | 75           | rVB      | 333566         | 1260725       | 88.91%          | 7.687%        |
| 5         | 4.459       | 291           | 295         | 314          | rBV      | 274254         | 788335        | 55.59%          | 4.807%        |
| 6         | 5.327       | 368           | 371         | 390          | rBV      | 632137         | 1327712       | 93.63%          | 8.095%        |
| 7         | 7.602       | 566           | 570         | 574          | rBV      | 714997         | 1373513       | 96.86%          | 8.374%        |
| 8         | 7.693       | 574           | 578         | 586          | rVB      | 806831         | 1418017       | 100.00%         | 8.646%        |
| 9         | 8.173       | 617           | 620         | 625          | rVB      | 190999         | 303076        | 21.37%          | 1.848%        |
| 10        | 8.493       | 645           | 648         | 652          | rBV      | 552542         | 997415        | 70.34%          | 6.081%        |
| 11        | 9.476       | 729           | 734         | 748          | rBV      | 493674         | 913984        | 64.46%          | 5.573%        |
| 12        | 11.065      | 870           | 873         | 876          | rBV      | 219550         | 377072        | 26.59%          | 2.299%        |
| 13        | 11.122      | 876           | 878         | 886          | rVB2     | 12265          | 23728         | 1.67%           | 0.145%        |
| 14        | 13.717      | 1100          | 1105        | 1108         | rBV      | 810764         | 1394745       | 98.36%          | 8.504%        |
| 15        | 14.768      | 1193          | 1197        | 1200         | rBV      | 159342         | 246433        | 17.38%          | 1.503%        |
| 16        | 15.191      | 1230          | 1234        | 1239         | rBB      | 214704         | 386577        | 27.26%          | 2.357%        |
| 17        | 15.397      | 1249          | 1252        | 1254         | rBB      | 9534           | 16101         | 1.14%           | 0.098%        |
| 18        | 16.163      | 1314          | 1319        | 1322         | rBV4     | 4164           | 15145         | 1.07%           | 0.092%        |
| 19        | 16.597      | 1354          | 1357        | 1360         | rBV      | 20909          | 34856         | 2.46%           | 0.213%        |
| 20        | 17.100      | 1397          | 1401        | 1404         | rBV      | 513776         | 871936        | 61.49%          | 5.316%        |
| 21        | 17.740      | 1454          | 1457        | 1464         | rBV      | 25563          | 64736         | 4.57%           | 0.395%        |
| 22        | 18.700      | 1537          | 1541        | 1544         | rBV      | 242428         | 406906        | 28.70%          | 2.481%        |
| 23        | 18.757      | 1544          | 1546        | 1549         | rVB      | 48605          | 76678         | 5.41%           | 0.468%        |
| 24        | 18.826      | 1549          | 1552        | 1554         | rBV      | 23883          | 43804         | 3.09%           | 0.267%        |
| 25        | 18.883      | 1554          | 1557        | 1560         | rVV      | 13787          | 27841         | 1.96%           | 0.170%        |
| 26        | 20.472      | 1693          | 1696        | 1700         | rBV      | 96670          | 186911        | 13.18%          | 1.140%        |
| 27        | 21.386      | 1775          | 1776        | 1779         | rVB      | 118383         | 151319        | 10.67%          | 0.923%        |
| 28        | 21.512      | 1786          | 1787        | 1794         | rVB4     | 10799          | 14522         | 1.02%           | 0.089%        |
| 29        | 21.740      | 1804          | 1807        | 1810         | rVB      | 81977          | 117230        | 8.27%           | 0.715%        |
| 30        | 21.866      | 1816          | 1818        | 1821         | rBV3     | 25003          | 38588         | 2.72%           | 0.235%        |
| 31        | 21.992      | 1825          | 1829        | 1833         | rBV3     | 20412          | 33591         | 2.37%           | 0.205%        |
| 32        | 22.072      | 1833          | 1836        | 1838         | rVV      | 934286         | 1105969       | 77.99%          | 6.743%        |
| 33        | 22.106      | 1838          | 1839        | 1842         | rVB3     | 12058          | 15093         | 1.06%           | 0.092%        |
| 34        | 22.266      | 1850          | 1853        | 1856         | rVB3     | 12095          | 21214         | 1.50%           | 0.129%        |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 22.358 | 1858 | 1861 | 1862 | rBV2 | 10899  | 18666  | 1.32%  | 0.114% |
| 36 | 22.506 | 1871 | 1874 | 1875 | rBV2 | 11066  | 15805  | 1.11%  | 0.096% |
| 37 | 22.541 | 1875 | 1877 | 1879 | rVB2 | 17747  | 18750  | 1.32%  | 0.114% |
| 38 | 22.906 | 1907 | 1909 | 1912 | rBV3 | 15957  | 28845  | 2.03%  | 0.176% |
| 39 | 23.352 | 1943 | 1948 | 1949 | rBV3 | 227360 | 478028 | 33.71% | 2.915% |
| 40 | 23.455 | 1955 | 1957 | 1960 | rVB  | 30624  | 46183  | 3.26%  | 0.282% |
| 41 | 23.683 | 1975 | 1977 | 1979 | rBV2 | 23157  | 30387  | 2.14%  | 0.185% |
| 42 | 24.449 | 2042 | 2044 | 2049 | rBV  | 28878  | 58963  | 4.16%  | 0.360% |
| 43 | 24.735 | 2068 | 2069 | 2072 | rBV2 | 32448  | 52808  | 3.72%  | 0.322% |
| 44 | 24.792 | 2072 | 2074 | 2076 | rBV  | 177810 | 235333 | 16.60% | 1.435% |
| 45 | 25.272 | 2114 | 2116 | 2123 | rVB4 | 45203  | 93986  | 6.63%  | 0.573% |

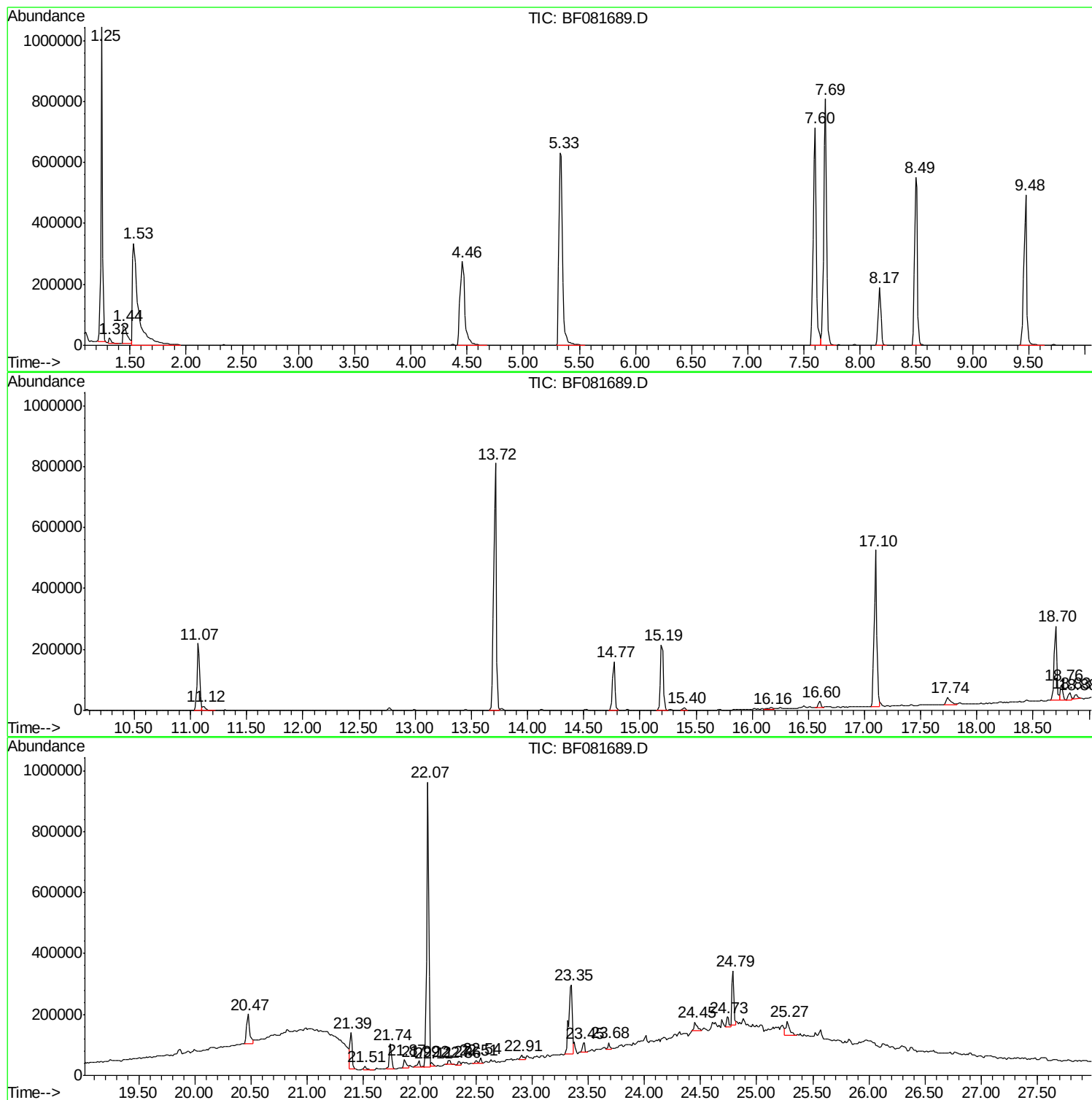
Sum of corrected areas: 16401166

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

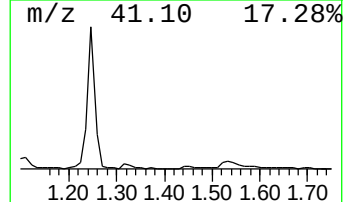
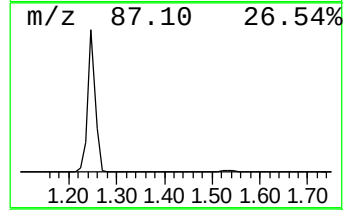
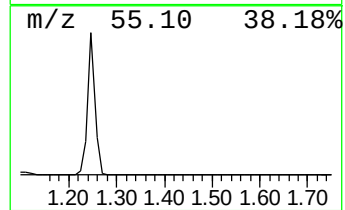
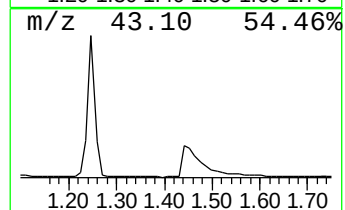
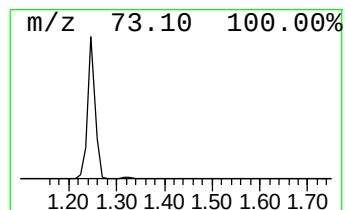
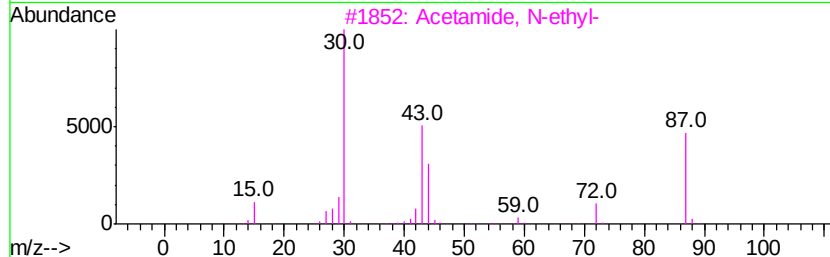
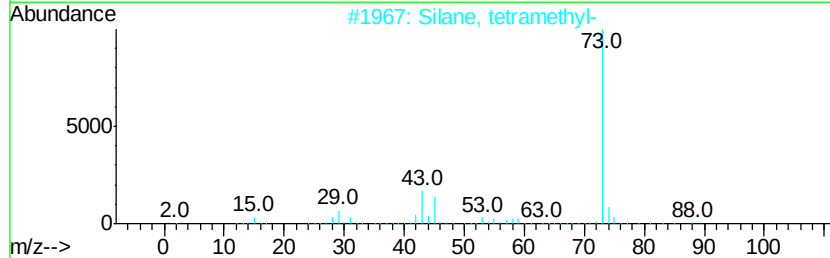
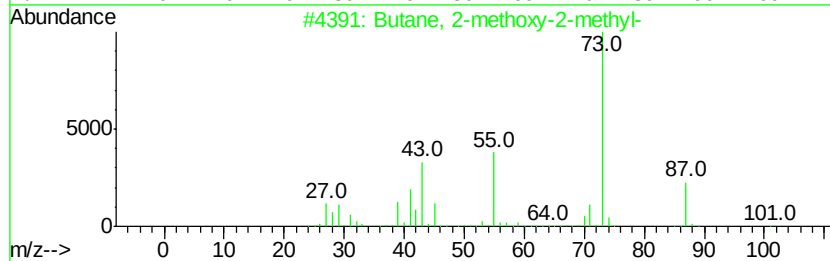
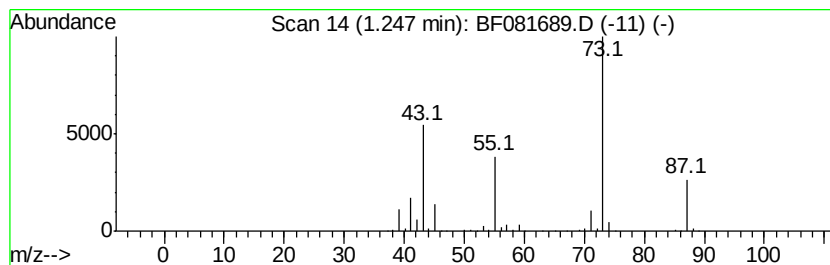
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 1.25 | 71.69 ng | 1086350 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-   | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | Silane, tetramethyl-          | 88  | C4H12Si | 000075-76-3 | 12   |
| 3    |    |   | Acetamide, N-ethyl-           | 87  | C4H9NO  | 000625-50-3 | 9    |
| 4    |    |   | 1,3-Dioxolane, 2-methyl-      | 88  | C4H8O2  | 000497-26-7 | 9    |
| 5    |    |   | 3,4-Hexanediol, 2,5-dimethyl- | 146 | C8H18O2 | 022607-11-0 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

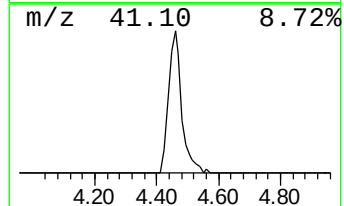
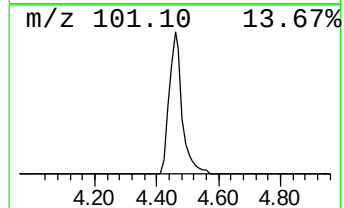
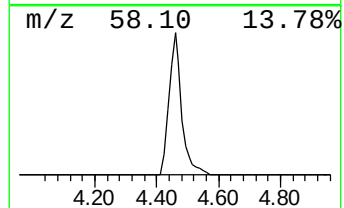
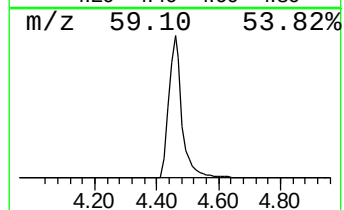
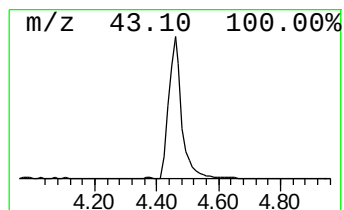
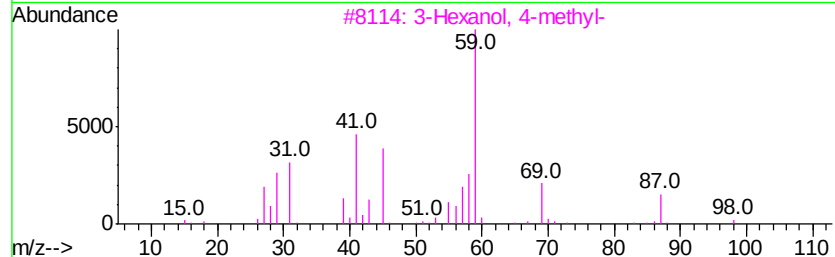
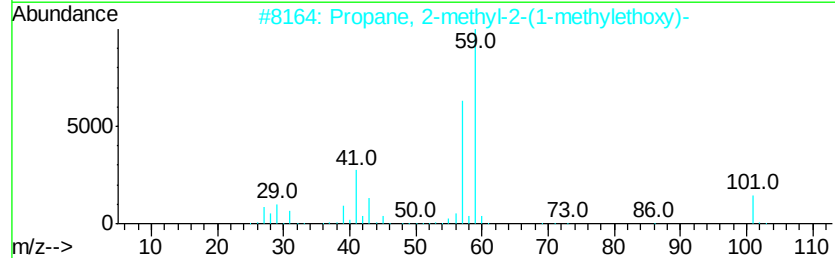
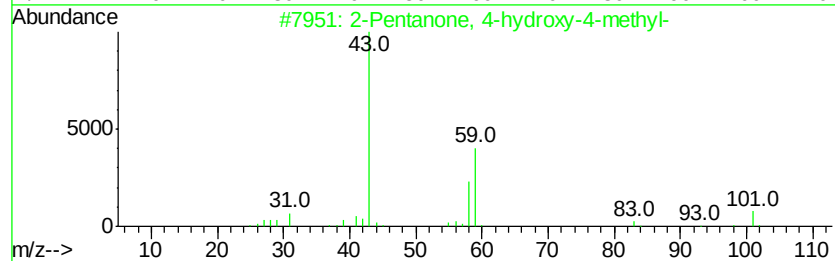
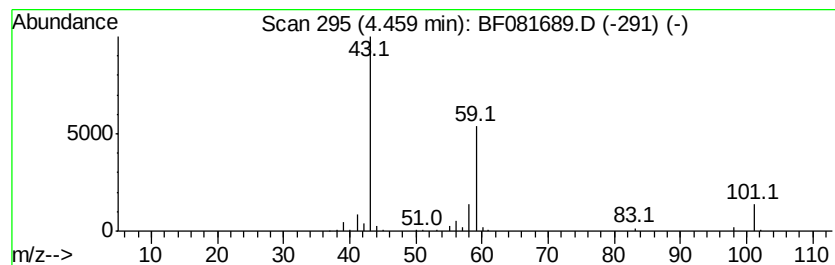
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.46 | 52.02 ng | 788335 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    | 3-Hydroxy-3-methyl-2-butanone       | 102 | C5H10O2  | 000115-22-0 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

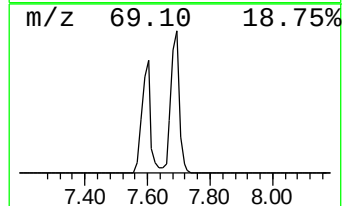
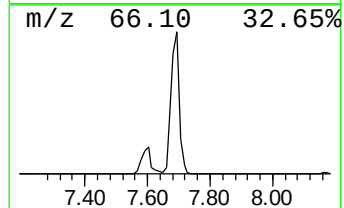
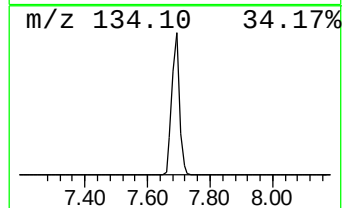
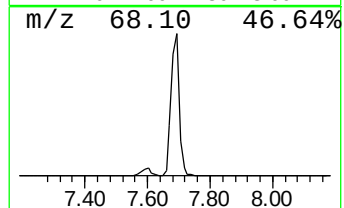
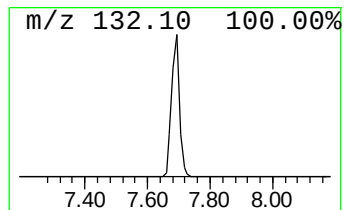
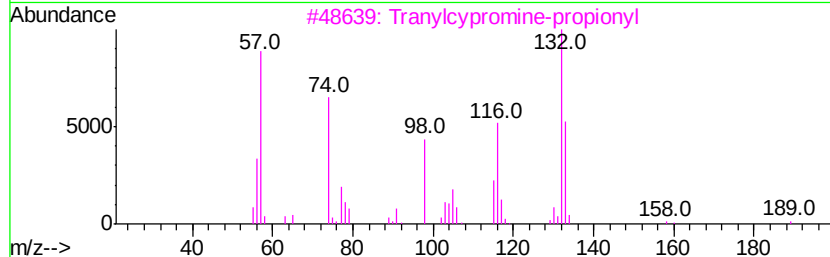
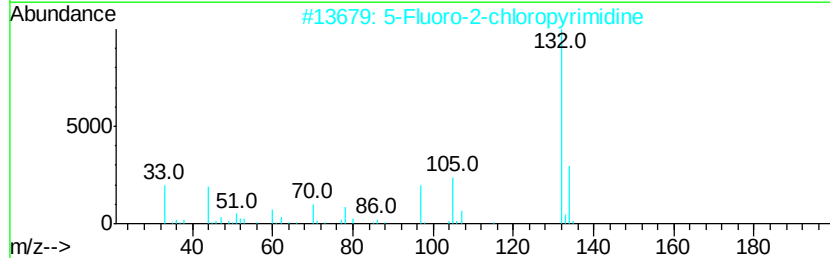
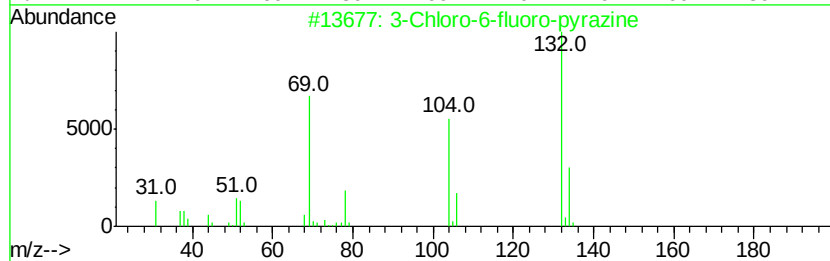
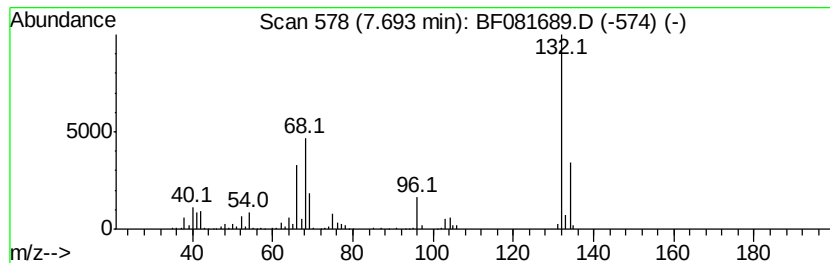
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown7.69 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.69 | 93.58 ng | 1418020 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|----------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine       |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    | 5-Fluoro-2-chloropyrimidine      |   |              | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 3    | Tranlycypromine-propionyl        |   |              | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    | (5-METHYL-2-PYRIDYL)ACETONITRILE |   |              | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    | Benzene, 1,3,5-trifluoro-        |   |              | 132 | C6H3F3    | 000372-38-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

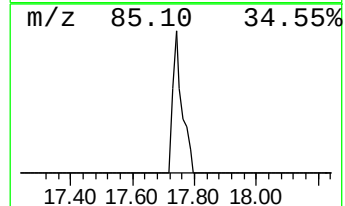
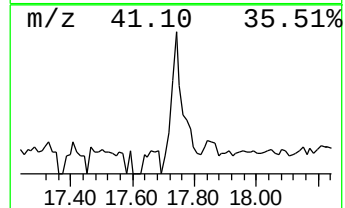
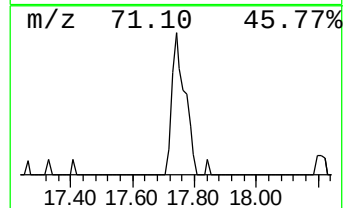
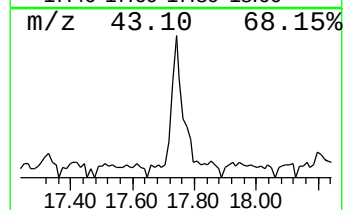
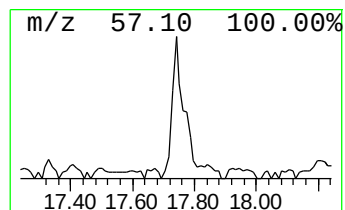
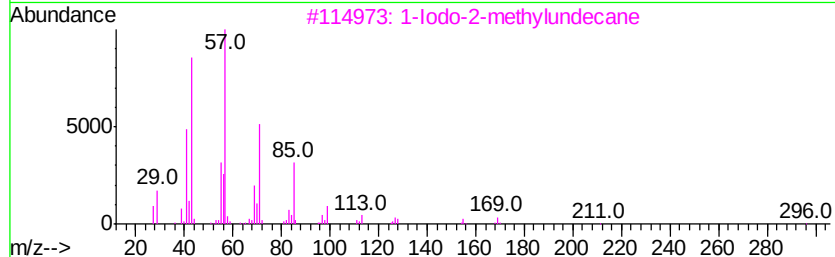
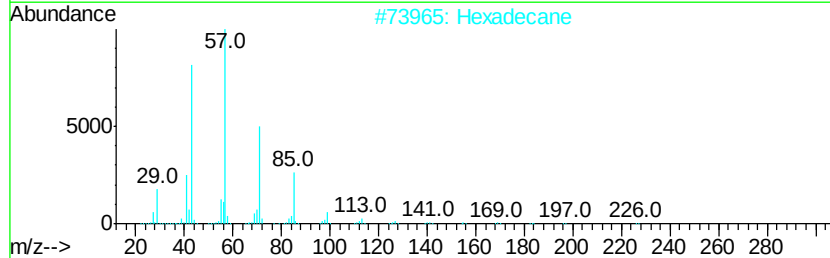
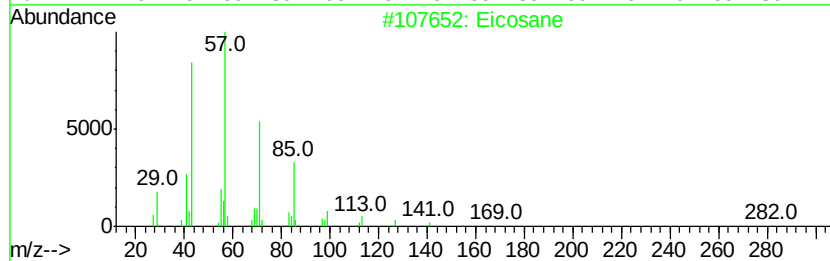
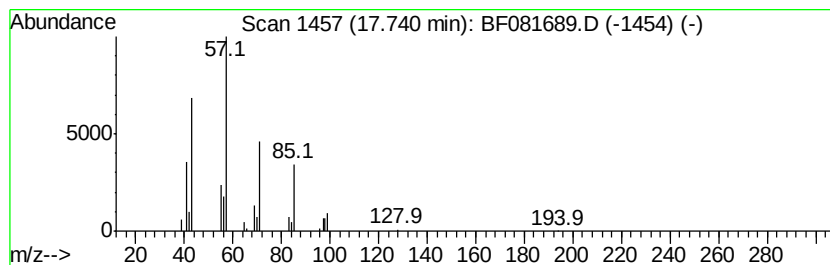
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Eicosane Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.74 | 3.18 ng | 64736 | Phenanthrene-d10 | 18.70 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane                | 282 | C20H42  | 000112-95-8 | 83   |
| 2    |    | Hexadecane              | 226 | C16H34  | 000544-76-3 | 78   |
| 3    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 78   |
| 4    |    | Decane, 2,9-dimethyl-   | 170 | C12H26  | 001002-17-1 | 72   |
| 5    |    | Tetradecane             | 198 | C14H30  | 000629-59-4 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

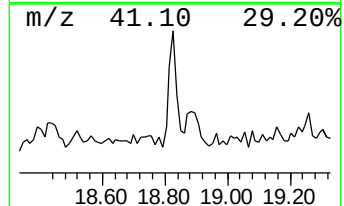
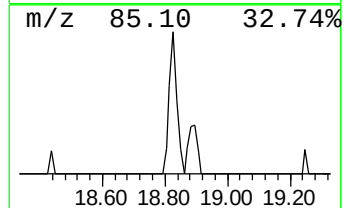
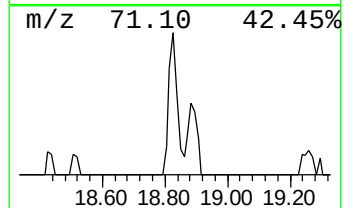
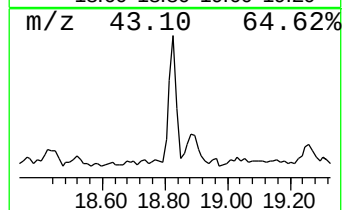
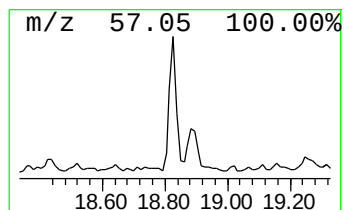
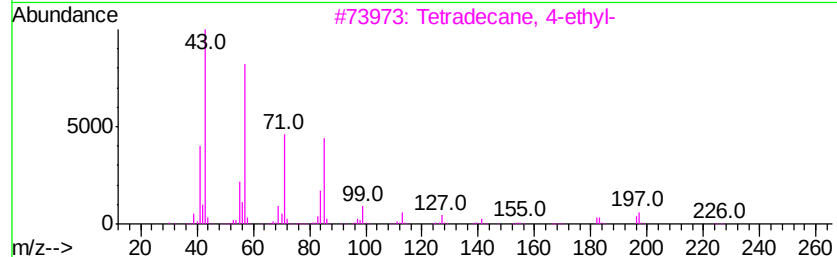
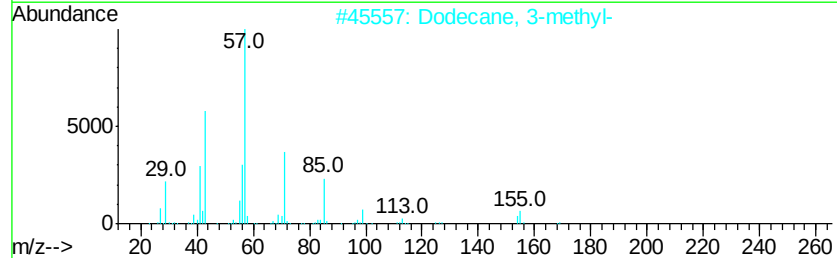
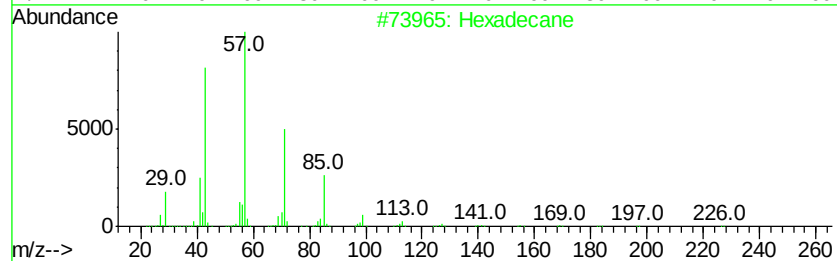
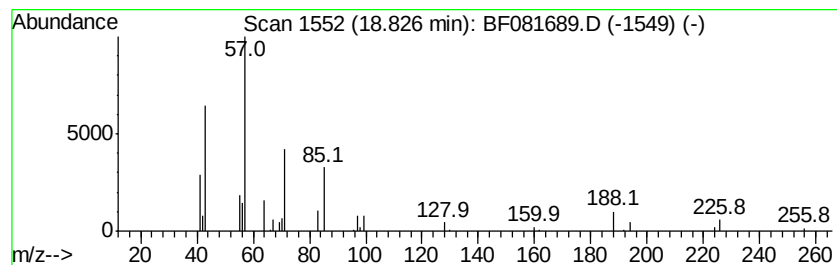
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexadecane Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 18.83 | 2.15 ng | 43804 | Phenanthrene-d10 | 18.70 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane            | 226 | C16H34  | 000544-76-3 | 53   |
| 2    |    | Dodecane, 3-methyl-   | 184 | C13H28  | 017312-57-1 | 53   |
| 3    |    | Tetradecane, 4-ethyl- | 226 | C16H34  | 055045-14-2 | 47   |
| 4    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 47   |
| 5    |    | Dodecane, 2-methyl-   | 184 | C13H28  | 001560-97-0 | 47   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

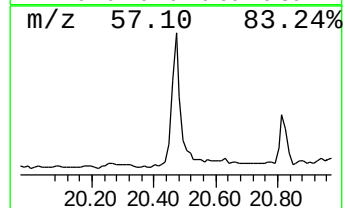
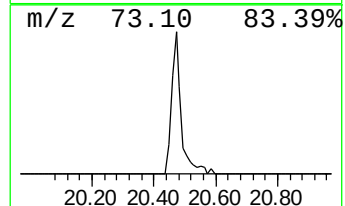
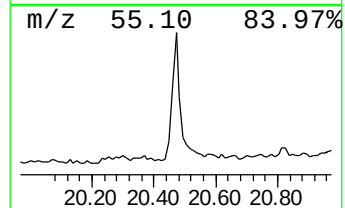
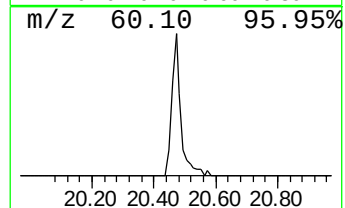
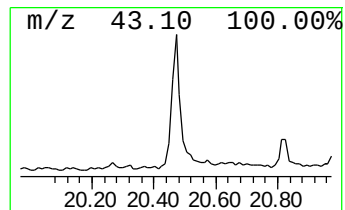
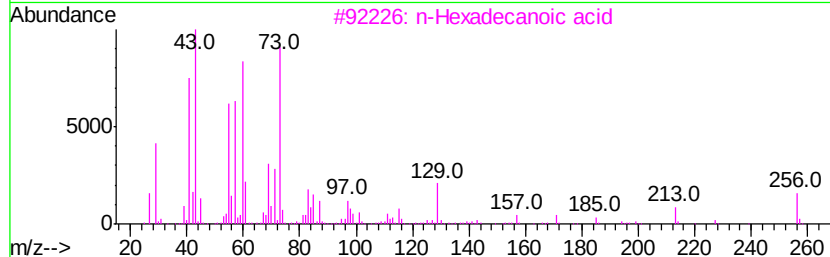
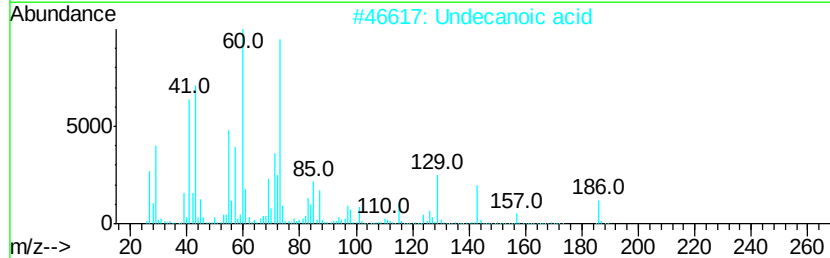
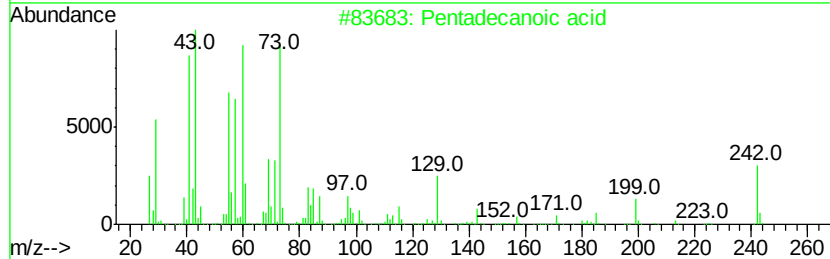
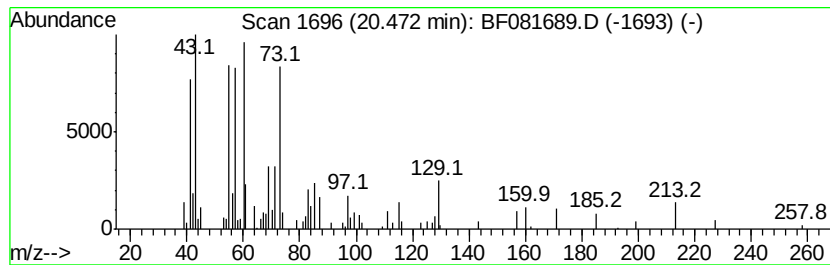
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Pentadecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 20.47 | 9.19 ng | 186911 | Phenanthrene-d10 | 18.70 |

| Hit# of | 5                   | Tentative ID | MW       | MolForm     | CAS# | Qual |
|---------|---------------------|--------------|----------|-------------|------|------|
| 1       | Pentadecanoic acid  | 242          | C15H30O2 | 001002-84-2 | 74   |      |
| 2       | Undecanoic acid     | 186          | C11H22O2 | 000112-37-8 | 72   |      |
| 3       | n-Hexadecanoic acid | 256          | C16H32O2 | 000057-10-3 | 64   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2 | 000638-53-9 | 64   |      |
| 5       | Dodecanoic acid     | 200          | C12H24O2 | 000143-07-7 | 53   |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091715\  
Data File : BF081689.D  
Acq On : 17 Sep 2015 21:20  
Operator : UM/IZ  
Sample : G3664-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
GP-1(0-5)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 1.25  | 71.7    | ng    | 1086350  | 1                     | 8.17  | 303076 | 20.0 |
| 2-Pentanone, 4-hy... | 4.46  | 52.0    | ng    | 788335   | 1                     | 8.17  | 303076 | 20.0 |
| unknown7.69          | 7.69  | 93.6    | ng    | 1418020  | 1                     | 8.17  | 303076 | 20.0 |
| Eicosane             | 17.74 | 3.2     | ng    | 64736    | 4                     | 18.70 | 406906 | 20.0 |
| Hexadecane           | 18.83 | 2.1     | ng    | 43804    | 4                     | 18.70 | 406906 | 20.0 |
| Pentadecanoic acid   | 20.47 | 9.2     | ng    | 186911   | 4                     | 18.70 | 406906 | 20.0 |