

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
 Data File : BF101204.D  
 Acq On : 7 Dec 2017 14:48  
 Operator : SJ/JU  
 Sample : I6765-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-SB003A

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-BF113017.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         | 5.069       | 504           | 507         | 519          | rBB      | 54842          | 73495         | 5.85%           | 0.596%        |
| 2         | 5.463       | 570           | 574         | 587          | rBV      | 1075216        | 1031572       | 82.10%          | 8.365%        |
| 3         | 6.481       | 741           | 747         | 760          | rBV      | 949910         | 1097449       | 87.34%          | 8.899%        |
| 4         | 6.610       | 765           | 769         | 773          | rBV      | 1178257        | 1107779       | 88.16%          | 8.983%        |
| 5         | 6.840       | 805           | 808         | 812          | rBV      | 366058         | 283962        | 22.60%          | 2.303%        |
| 6         | 6.998       | 831           | 835         | 838          | rBV      | 1018060        | 861063        | 68.53%          | 6.982%        |
| 7         | 7.410       | 900           | 905         | 908          | rBV      | 672816         | 647588        | 51.54%          | 5.251%        |
| 8         | 8.122       | 1022          | 1026        | 1030         | rBV      | 438089         | 365961        | 29.13%          | 2.968%        |
| 9         | 9.198       | 1204          | 1209        | 1212         | rBV      | 1425473        | 1256487       | 100.00%         | 10.189%       |
| 10        | 9.592       | 1272          | 1276        | 1281         | rBB      | 52608          | 40826         | 3.25%           | 0.331%        |
| 11        | 9.798       | 1308          | 1311        | 1315         | rBB      | 16665          | 13605         | 1.08%           | 0.110%        |
| 12        | 9.881       | 1321          | 1325        | 1329         | rBV      | 459050         | 382408        | 30.43%          | 3.101%        |
| 13        | 10.298      | 1394          | 1396        | 1399         | rVB      | 18993          | 15654         | 1.25%           | 0.127%        |
| 14        | 10.675      | 1456          | 1460        | 1463         | rBV      | 740634         | 641585        | 51.06%          | 5.203%        |
| 15        | 10.775      | 1474          | 1477        | 1481         | rBV      | 16746          | 15585         | 1.24%           | 0.126%        |
| 16        | 11.369      | 1575          | 1578        | 1581         | rBV      | 363536         | 343691        | 27.35%          | 2.787%        |
| 17        | 11.392      | 1581          | 1582        | 1586         | rVV      | 97577          | 69988         | 5.57%           | 0.568%        |
| 18        | 11.445      | 1588          | 1591        | 1594         | rVB      | 21845          | 19484         | 1.55%           | 0.158%        |
| 19        | 11.875      | 1659          | 1664        | 1665         | rBV      | 20587          | 21684         | 1.73%           | 0.176%        |
| 20        | 11.892      | 1665          | 1667        | 1672         | rVB2     | 42275          | 55665         | 4.43%           | 0.451%        |
| 21        | 11.986      | 1680          | 1683        | 1685         | rBV2     | 37378          | 37494         | 2.98%           | 0.304%        |
| 22        | 12.422      | 1754          | 1757        | 1760         | rBV      | 19428          | 17480         | 1.39%           | 0.142%        |
| 23        | 12.516      | 1770          | 1773        | 1776         | rVB4     | 13822          | 14083         | 1.12%           | 0.114%        |
| 24        | 12.586      | 1782          | 1785        | 1789         | rBV      | 316390         | 280799        | 22.35%          | 2.277%        |
| 25        | 12.822      | 1818          | 1825        | 1828         | rBV      | 259274         | 276076        | 21.97%          | 2.239%        |
| 26        | 12.869      | 1830          | 1833        | 1838         | rVB3     | 12516          | 15210         | 1.21%           | 0.123%        |
| 27        | 12.957      | 1842          | 1848        | 1851         | rBV      | 1021882        | 907097        | 72.19%          | 7.356%        |
| 28        | 13.033      | 1857          | 1861        | 1866         | rBV3     | 20846          | 30498         | 2.43%           | 0.247%        |
| 29        | 13.122      | 1873          | 1876        | 1877         | rBV2     | 16815          | 15353         | 1.22%           | 0.124%        |
| 30        | 13.145      | 1877          | 1880        | 1883         | rVB      | 47241          | 49134         | 3.91%           | 0.398%        |
| 31        | 13.210      | 1889          | 1891        | 1894         | rBV      | 28677          | 25982         | 2.07%           | 0.211%        |
| 32        | 13.251      | 1894          | 1898        | 1905         | rBV3     | 30178          | 41893         | 3.33%           | 0.340%        |
| 33        | 13.663      | 1965          | 1968        | 1971         | rVB      | 25035          | 23735         | 1.89%           | 0.192%        |
| 34        | 13.769      | 1980          | 1986        | 1988         | rBV      | 38066          | 41503         | 3.30%           | 0.337%        |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
 Data File : BF101204.D  
 Acq On : 7 Dec 2017 14:48  
 Operator : SJ/JU  
 Sample : I6765-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-SB003A

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-BF113017.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.792 | 1988 | 1990 | 1993 | rVV  | 29442  | 29901  | 2.38%  | 0.242% |
| 36 | 13.839 | 1995 | 1998 | 2001 | rVV2 | 122061 | 122165 | 9.72%  | 0.991% |
| 37 | 13.869 | 2001 | 2003 | 2006 | rVB  | 32283  | 28484  | 2.27%  | 0.231% |
| 38 | 14.021 | 2020 | 2029 | 2031 | rBV2 | 405155 | 532830 | 42.41% | 4.321% |
| 39 | 14.045 | 2031 | 2033 | 2042 | rVB  | 158419 | 141320 | 11.25% | 1.146% |
| 40 | 14.127 | 2044 | 2047 | 2049 | rVB  | 23197  | 20043  | 1.60%  | 0.163% |
| 41 | 14.274 | 2071 | 2072 | 2078 | rVB6 | 9981   | 13824  | 1.10%  | 0.112% |
| 42 | 14.404 | 2090 | 2094 | 2098 | rVB  | 37133  | 41364  | 3.29%  | 0.335% |
| 43 | 14.439 | 2098 | 2100 | 2102 | rBV  | 17105  | 13897  | 1.11%  | 0.113% |
| 44 | 14.480 | 2103 | 2107 | 2109 | rBV3 | 24471  | 30927  | 2.46%  | 0.251% |
| 45 | 14.533 | 2113 | 2116 | 2117 | rBV3 | 14620  | 15591  | 1.24%  | 0.126% |
| 46 | 14.727 | 2147 | 2149 | 2152 | rBV4 | 16984  | 18543  | 1.48%  | 0.150% |
| 47 | 14.757 | 2152 | 2154 | 2159 | rVB6 | 14220  | 16795  | 1.34%  | 0.136% |
| 48 | 14.921 | 2177 | 2182 | 2185 | rBV4 | 94646  | 107579 | 8.56%  | 0.872% |
| 49 | 15.068 | 2202 | 2207 | 2210 | rBV  | 121746 | 188359 | 14.99% | 1.527% |
| 50 | 15.133 | 2215 | 2218 | 2223 | rVV2 | 85414  | 119967 | 9.55%  | 0.973% |
| 51 | 15.174 | 2223 | 2225 | 2230 | rVB  | 31059  | 38492  | 3.06%  | 0.312% |
| 52 | 15.374 | 2255 | 2259 | 2264 | rVB  | 61836  | 88426  | 7.04%  | 0.717% |
| 53 | 15.433 | 2265 | 2269 | 2274 | rVB  | 92467  | 116158 | 9.24%  | 0.942% |
| 54 | 15.498 | 2275 | 2280 | 2284 | rBV  | 204710 | 257394 | 20.49% | 2.087% |
| 55 | 15.921 | 2348 | 2352 | 2357 | rBV4 | 23388  | 40142  | 3.19%  | 0.326% |
| 56 | 15.974 | 2358 | 2361 | 2368 | rVB6 | 23545  | 36725  | 2.92%  | 0.298% |
| 57 | 16.986 | 2527 | 2533 | 2548 | rVB4 | 44251  | 106600 | 8.48%  | 0.864% |
| 58 | 17.433 | 2604 | 2609 | 2617 | rVB  | 28141  | 54271  | 4.32%  | 0.440% |
| 59 | 17.680 | 2646 | 2651 | 2660 | rBV8 | 9324   | 30085  | 2.39%  | 0.244% |

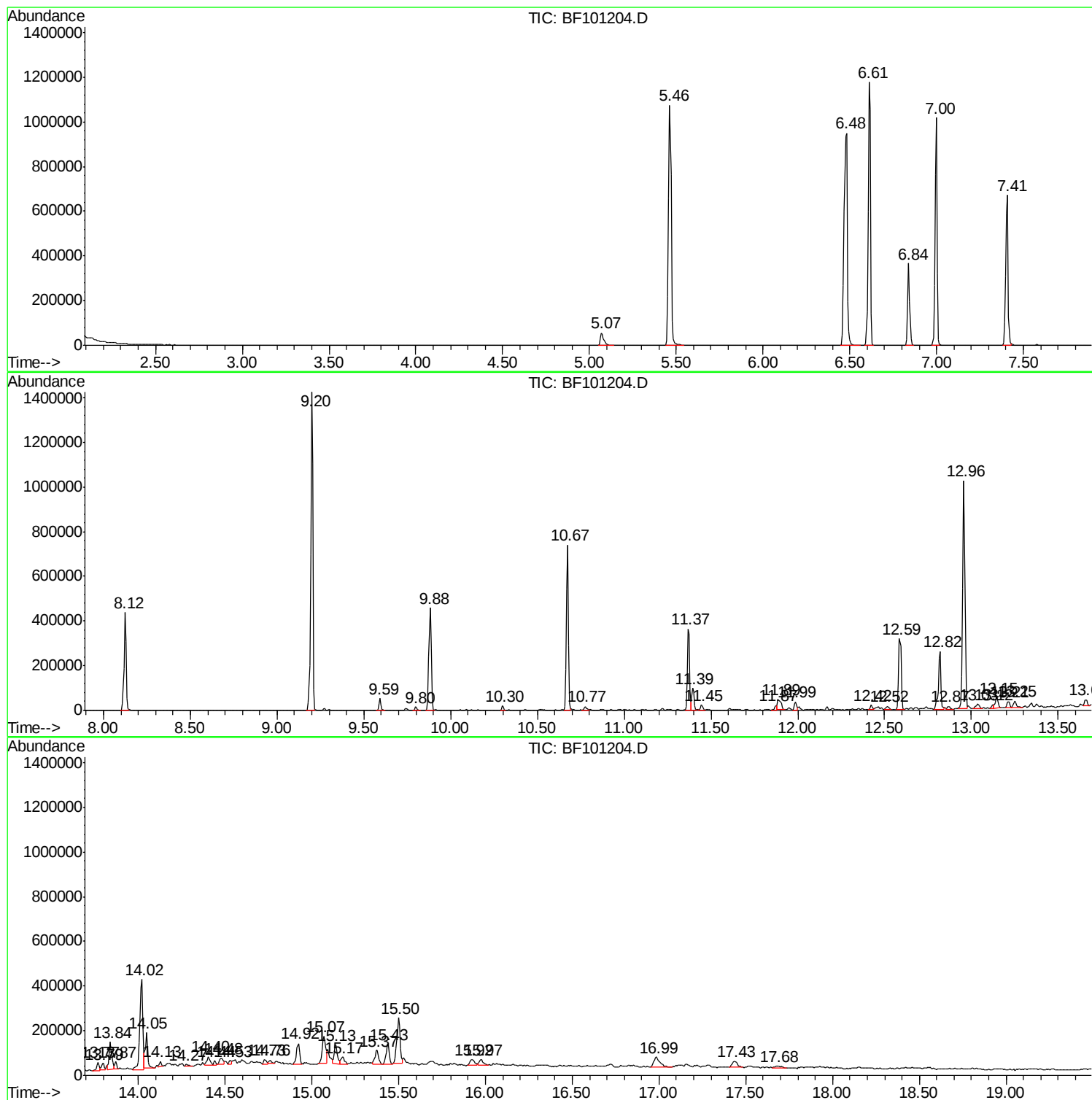
Sum of corrected areas: 12331750

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

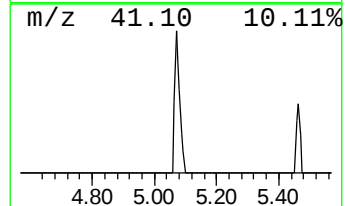
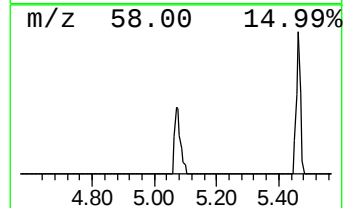
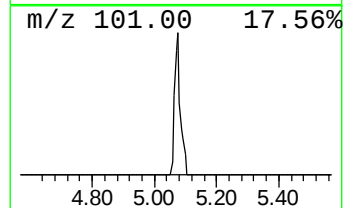
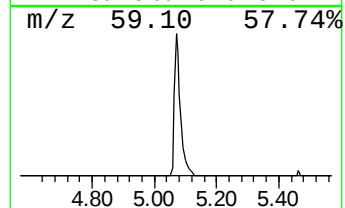
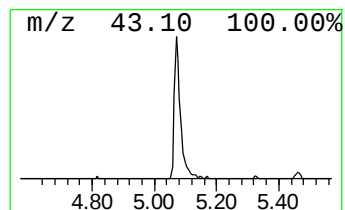
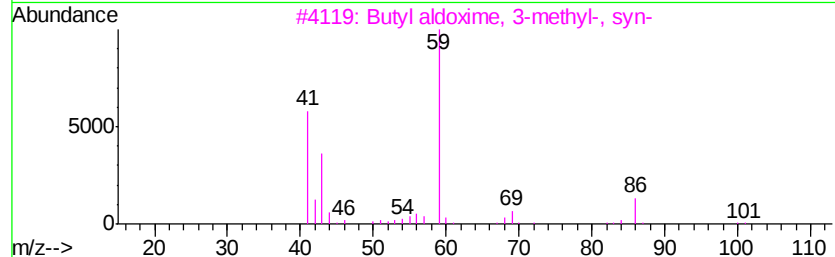
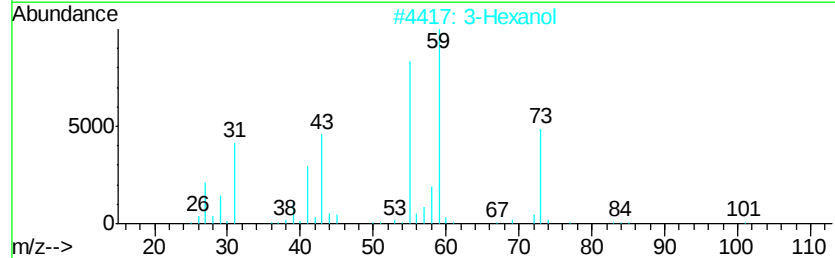
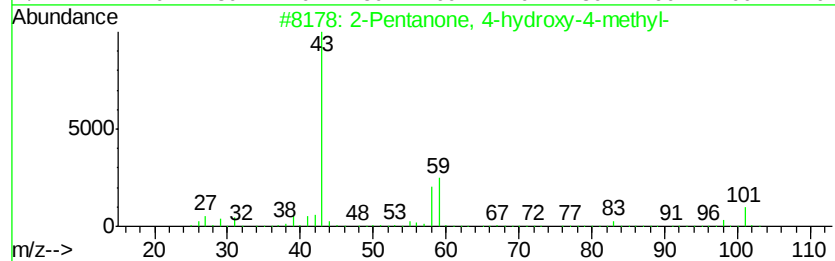
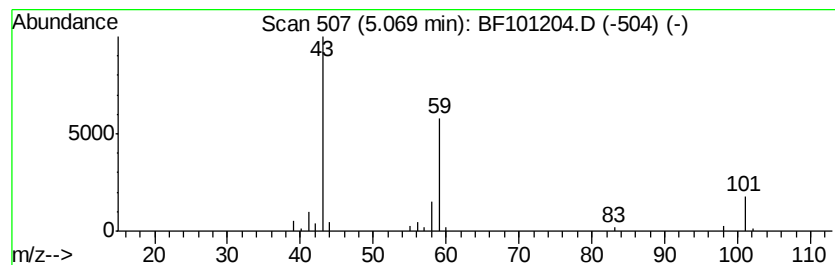
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.07 | 5.18 ng | 73495 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# of | 5                                | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|----------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl- | 116          | C6H12O2 | 000123-42-2 | 64   |      |
| 2       | 3-Hexanol                        | 102          | C6H14O  | 000623-37-0 | 36   |      |
| 3       | Butyl aldoxime, 3-methyl-, syn-  | 101          | C5H11NO | 005780-40-5 | 32   |      |
| 4       | 2,3-Butanedione, monooxime       | 101          | C4H7NO2 | 000057-71-6 | 25   |      |
| 5       | Butane, 1-ethoxy-                | 102          | C6H14O  | 000628-81-9 | 9    |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

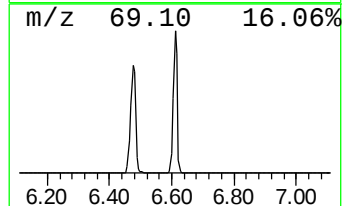
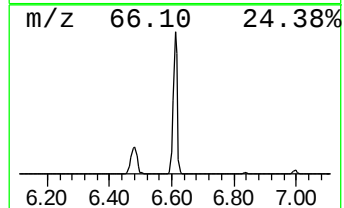
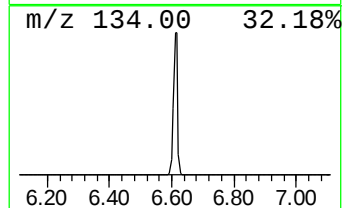
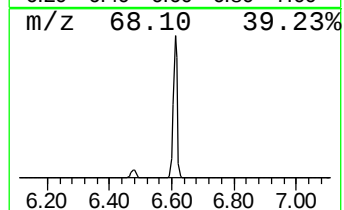
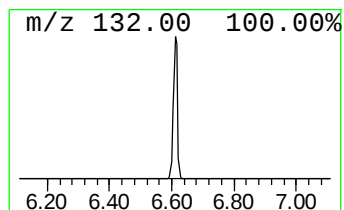
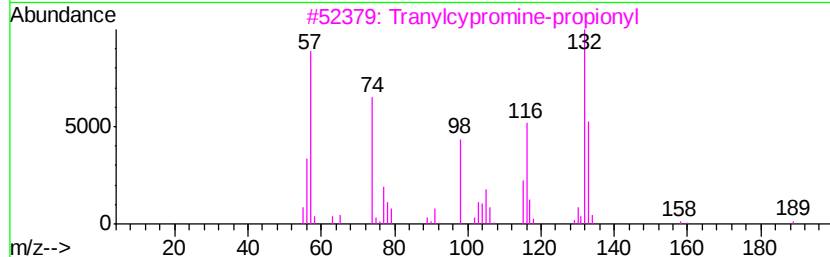
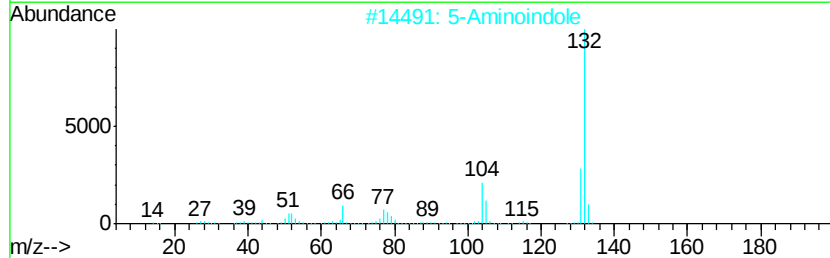
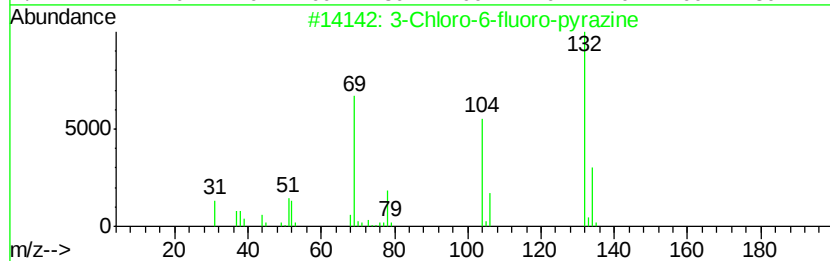
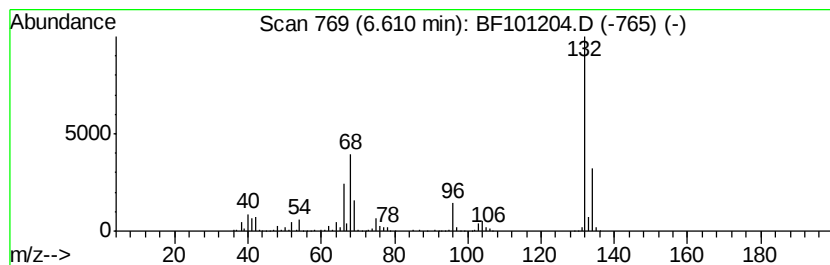
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.61 | 78.02 ng | 1107780 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine         | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                      | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranvlcyproline-propionyl          | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | 2H-Cyclopentadlpvridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    |   | 4-Chloro-2-fluoro-pyrimidine       | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

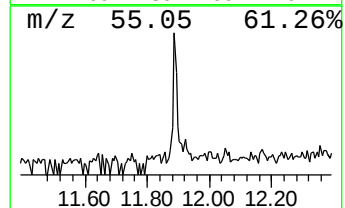
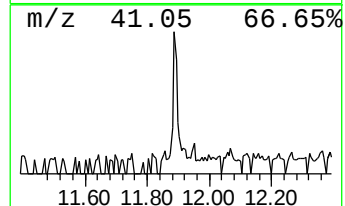
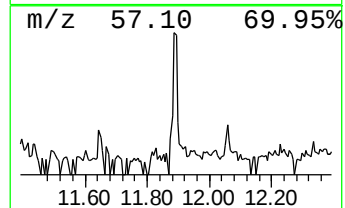
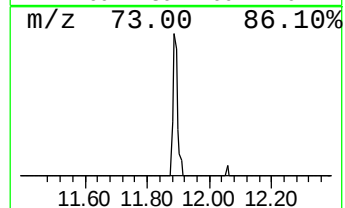
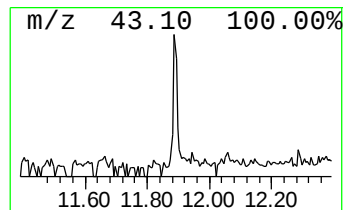
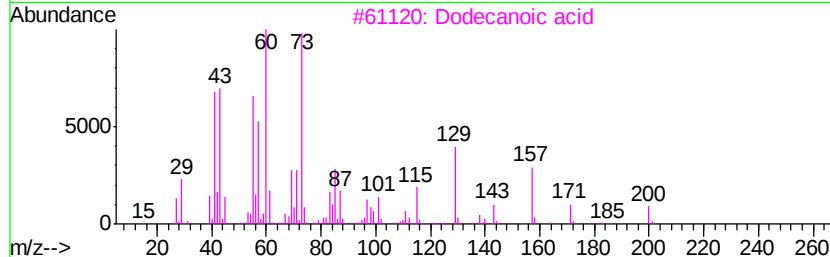
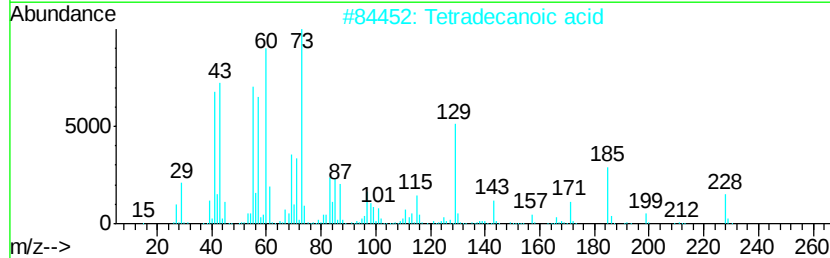
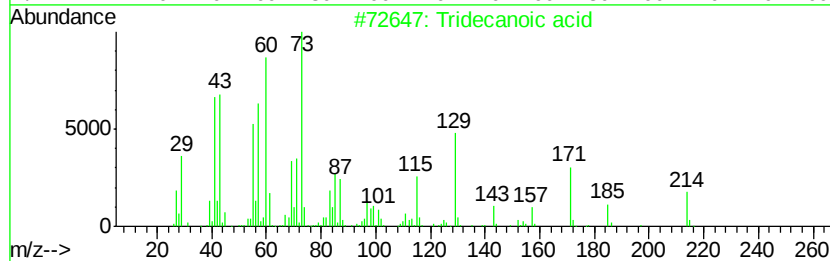
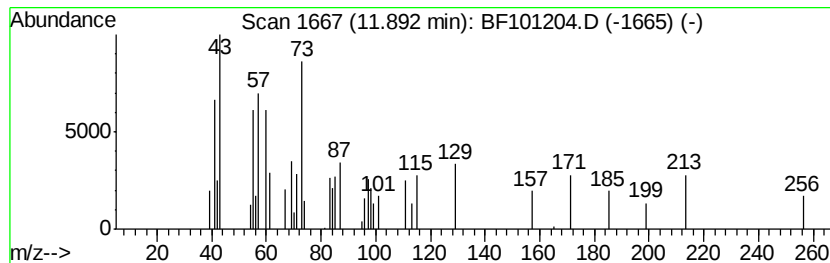
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown11.89 Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.89 | 3.24 ng | 55665 | Phenanthrene-d10 | 11.37 |

| Hit# of | 5 | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
|---------|---|--------------------|-----|----------|-------------|------|
| 1       |   | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 38   |
| 2       |   | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 38   |
| 3       |   | Dodecanoic acid    | 200 | C12H24O2 | 000143-07-7 | 35   |
| 4       |   | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 27   |
| 5       |   | Nonanoic acid      | 158 | C9H18O2  | 000112-05-0 | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

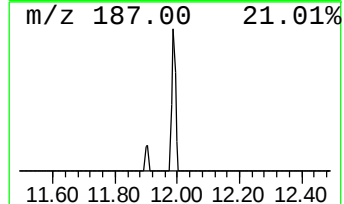
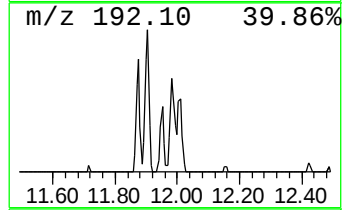
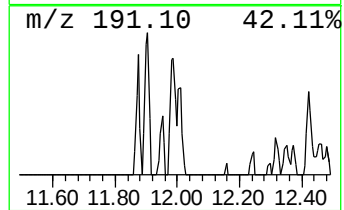
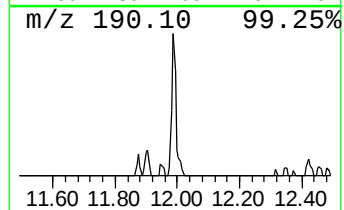
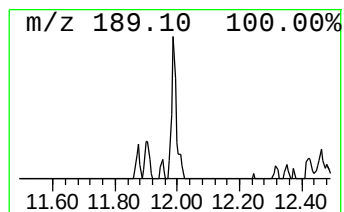
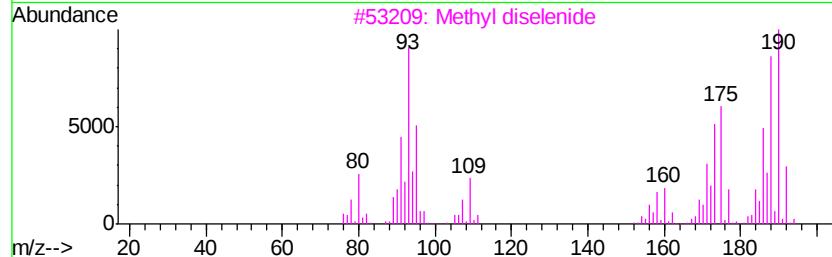
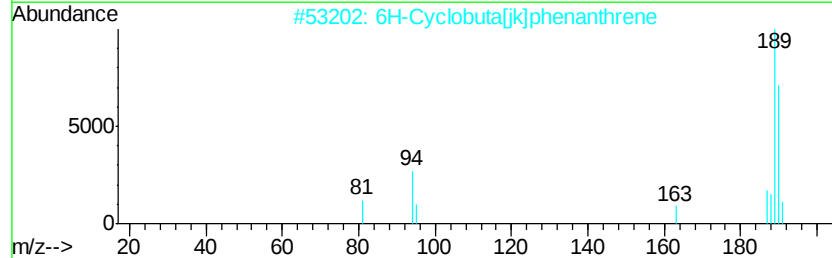
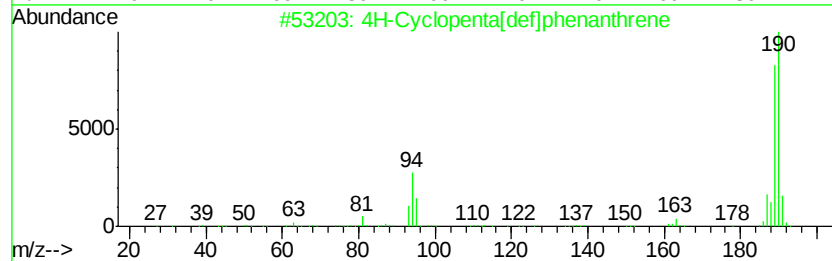
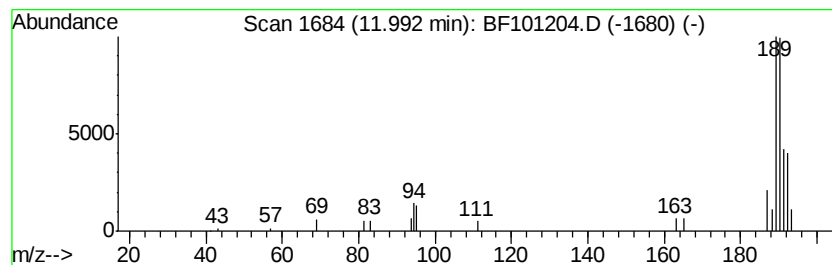
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.99 | 2.18 ng | 37494 | Phenanthrene-d10 | 11.37 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5  | 62   |
| 2       |   | 6H-Cyclobuta[ik]phenanthrene        | 190 | C15H10    | 083469-43-6  | 58   |
| 3       |   | Methyl diselenide                   | 190 | C2H6Se2   | 007101-31-7  | 45   |
| 4       |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4  | 069286-06-2  | 38   |
| 5       |   | 5-Thiazolecarboxamide, 4-amino-2... | 189 | C5H7N3OS2 | 1000338-08-9 | 22   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

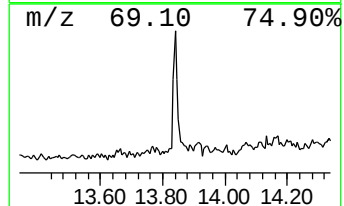
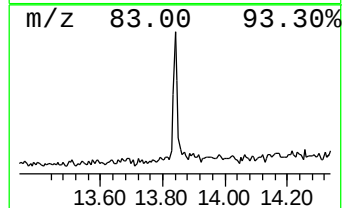
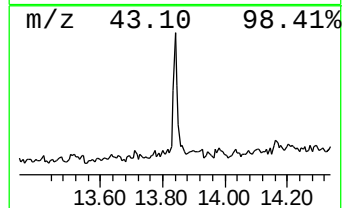
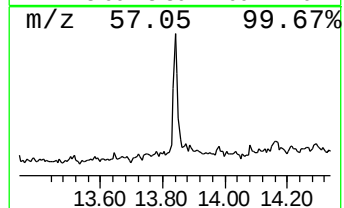
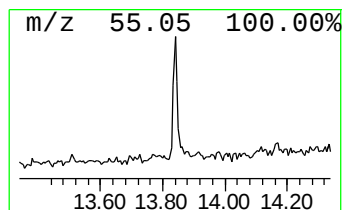
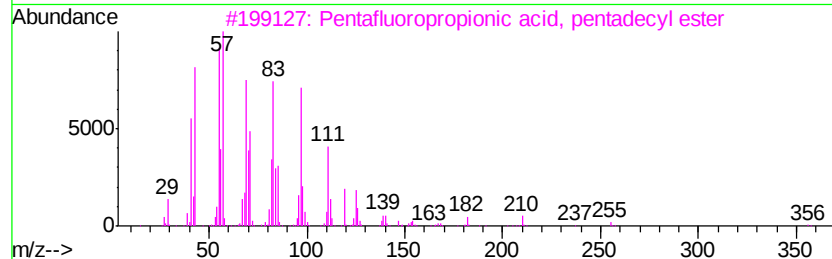
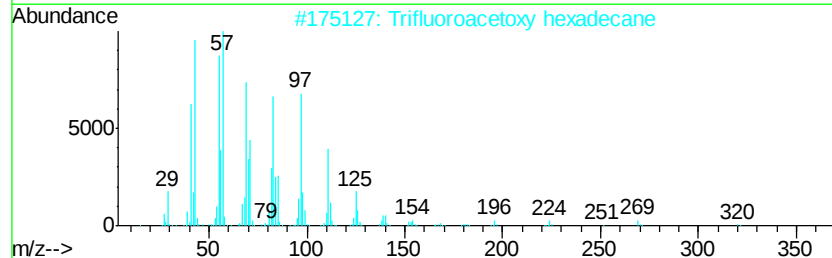
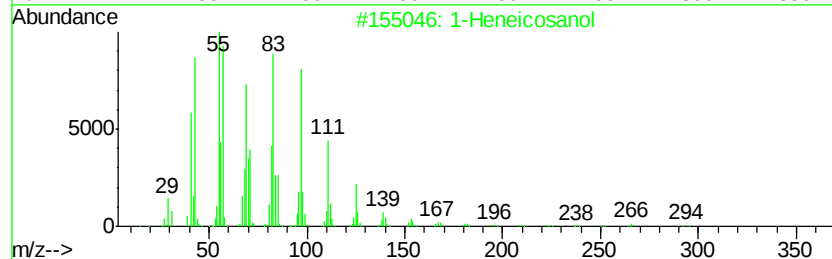
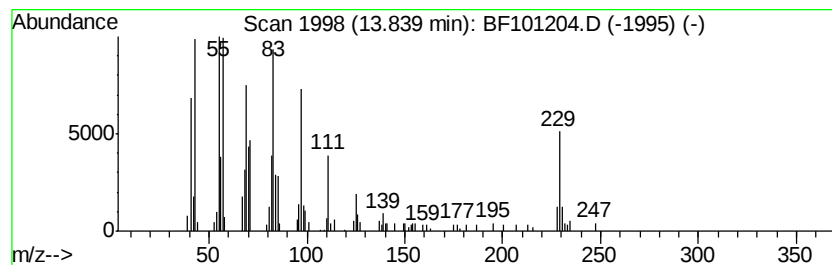
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 1-Heneicosanol Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.84 | 4.59 ng | 122165 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 91   |
| 2    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 87   |
| 3    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 87   |
| 4    |    | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 87   |
| 5    |    | n-Tetracosanol-1                    | 354 | C24H50O    | 000506-51-4 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

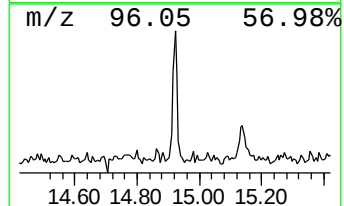
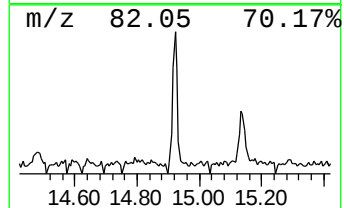
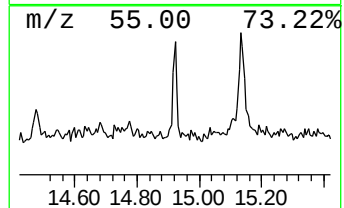
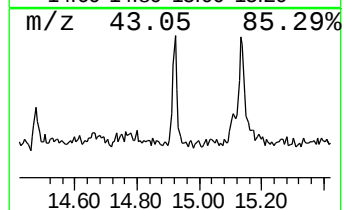
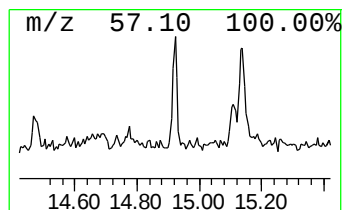
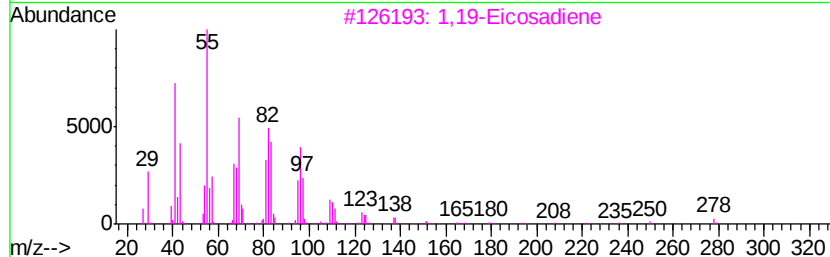
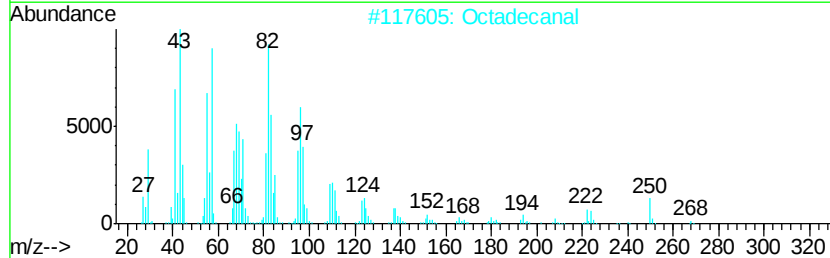
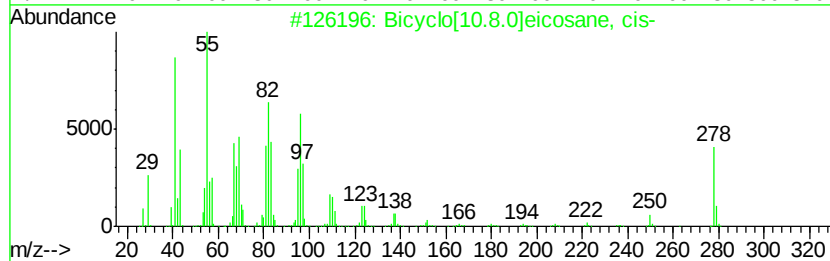
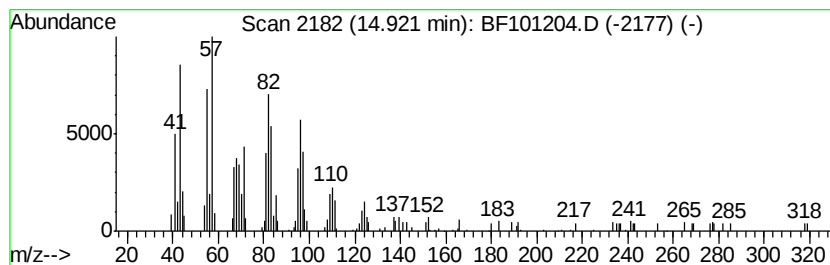
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.92 | 8.36 ng | 107579 | Perylene-d12     | 15.50 |

| Hit# of 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|-----------|-------------------------------|-----|---------|--------------|------|
| 1         | Bicyclo[10.8.0]eicosane, cis- | 278 | C20H38  | 1000155-82-2 | 95   |
| 2         | Octadecanal                   | 268 | C18H36O | 000638-66-4  | 91   |
| 3         | 1,19-Eicosadiene              | 278 | C20H38  | 014811-95-1  | 89   |
| 4         | Heptadecanal                  | 254 | C17H34O | 1000376-70-0 | 87   |
| 5         | 17-Octadecenal                | 266 | C18H34O | 056554-86-0  | 80   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

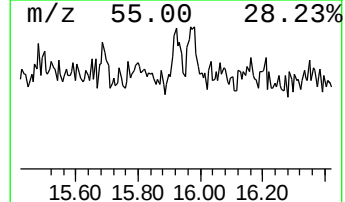
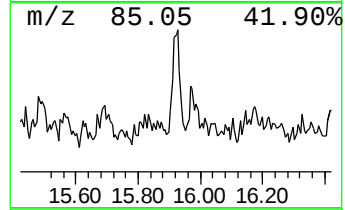
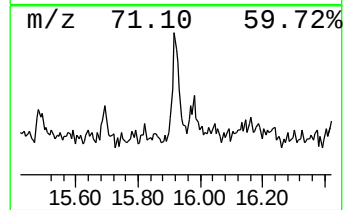
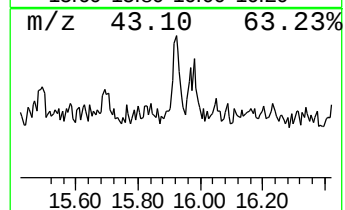
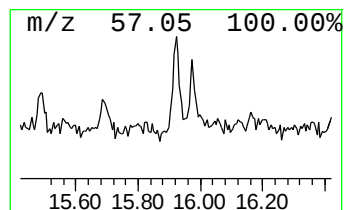
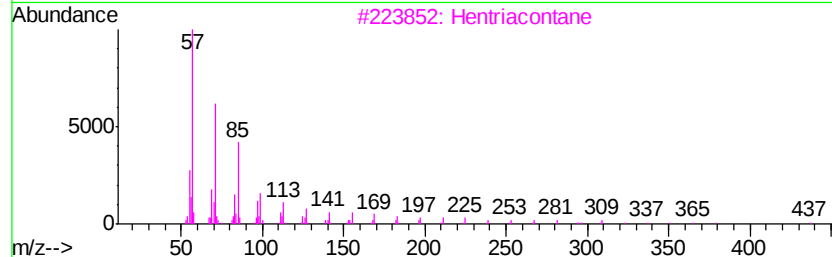
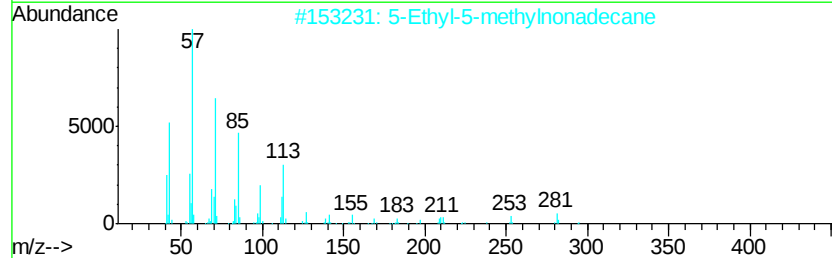
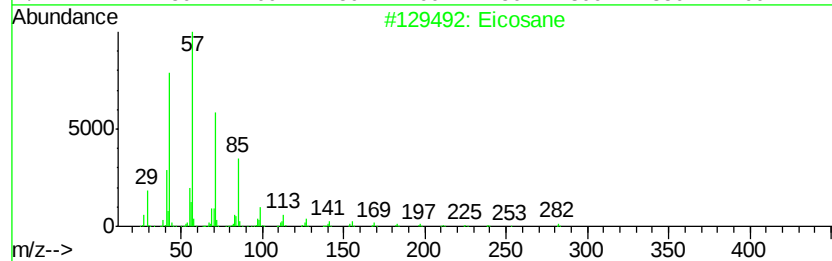
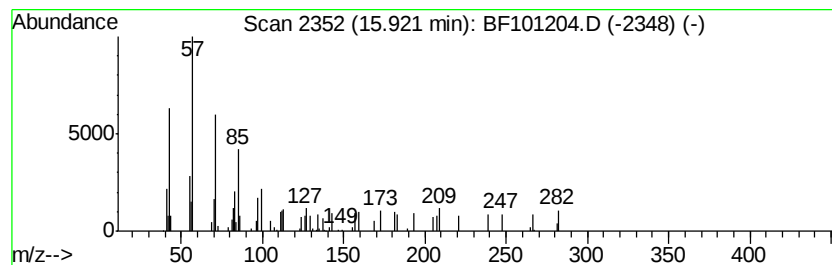
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Eicosane Concentration Rank 8

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 15.92   | 3.12 ng                             | 40142         | Perylene-d12     | 15.50     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Eicosane                            | 282 C20H42    | 000112-95-8      | 58        |
| 2       | 5-Ethyl-5-methylnonadecane          | 310 C22H46    | 1000360-42-7     | 53        |
| 3       | Hentriacontane                      | 437 C31H64    | 000630-04-6      | 50        |
| 4       | Dotetracontane                      | 591 C42H86    | 007098-20-6      | 47        |
| 5       | Sulfurous acid, dodecyl 2-propyl... | 292 C15H32O3S | 1000309-12-3     | 43        |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

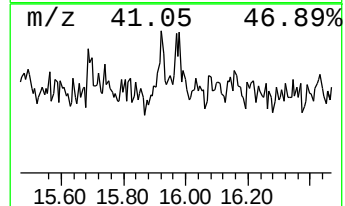
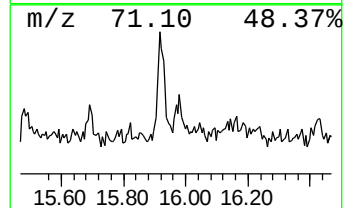
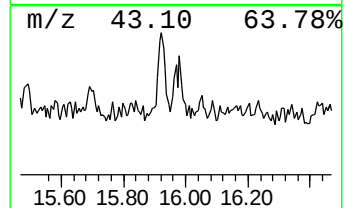
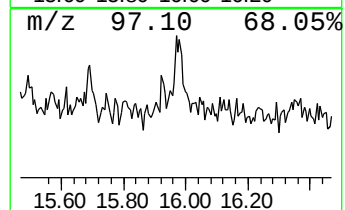
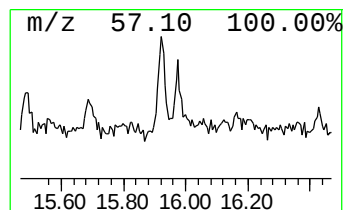
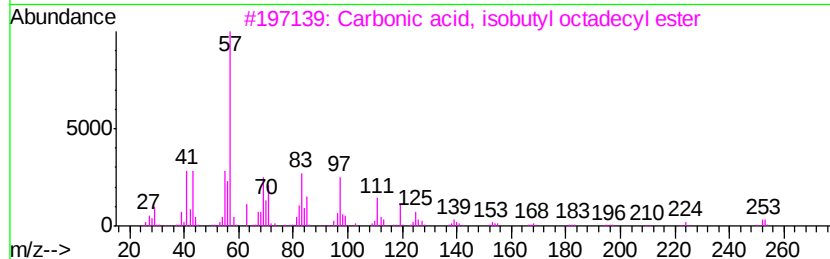
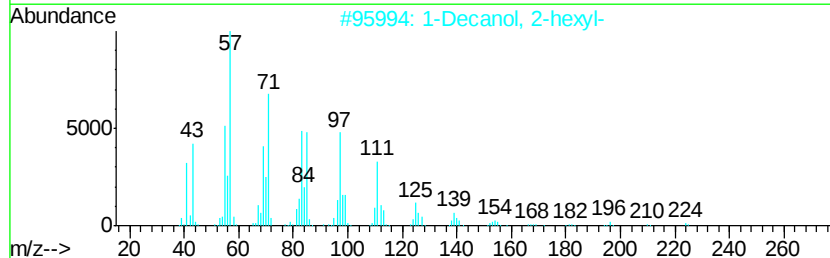
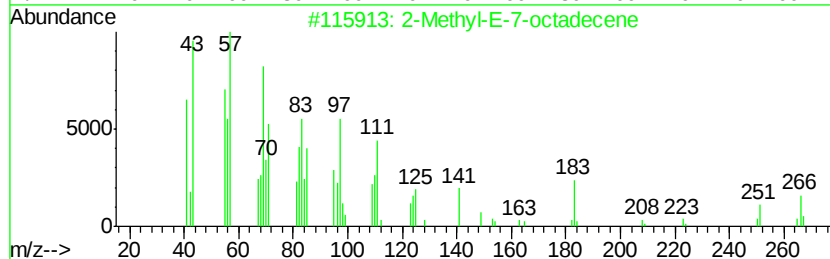
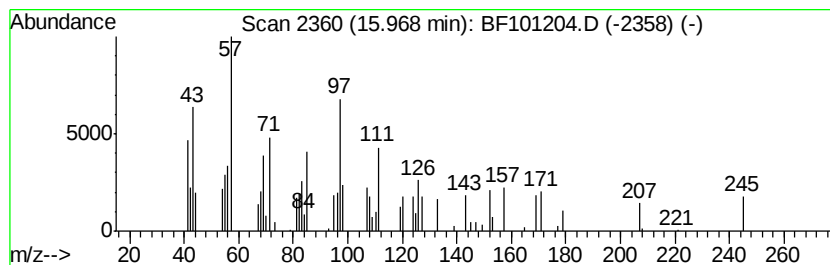
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 unknown15.97 Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.97 | 2.85 ng | 36725 | Perylene-d12     | 15.50 |

| Hit# | of                                   | 5 | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|------|--------------------------------------|---|--------------|-----|----------|--------------|------|
| 1    | 2-Methyl-E-7-octadecene              |   |              | 266 | C19H38   | 1000130-92-3 | 38   |
| 2    | 1-Decanol, 2-hexyl-                  |   |              | 242 | C16H34O  | 002425-77-6  | 35   |
| 3    | Carbonic acid, isobutyl octadecyl... |   |              | 370 | C23H46O3 | 1000314-61-5 | 25   |
| 4    | Carbonic acid, heptadecyl isobut...  |   |              | 356 | C22H44O3 | 1000314-61-4 | 25   |
| 5    | 3-(6,6-Dimethyl-5-oxohept-2-enyl...  |   |              | 250 | C16H26O2 | 083040-97-5  | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

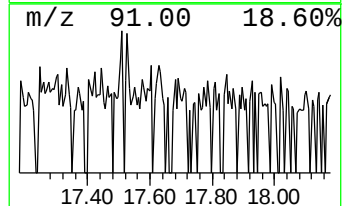
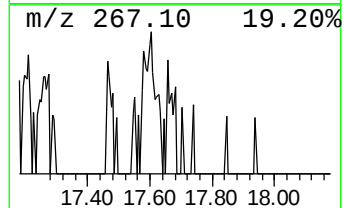
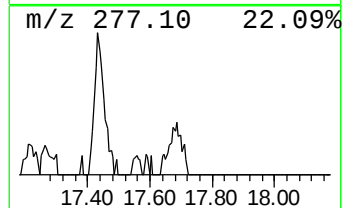
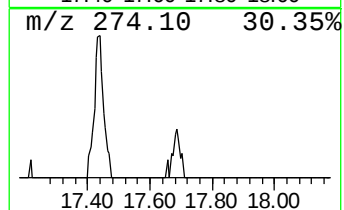
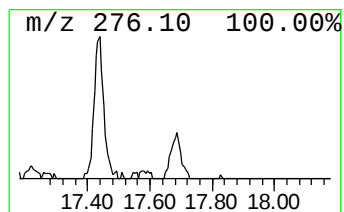
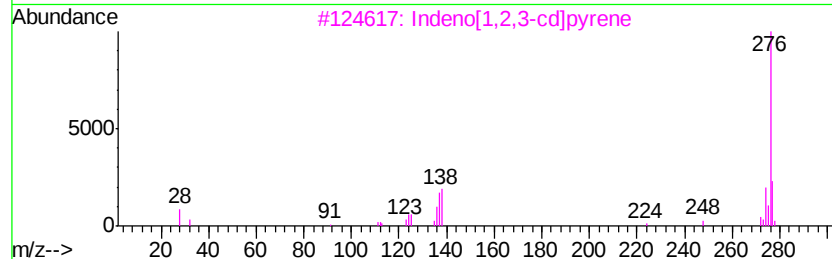
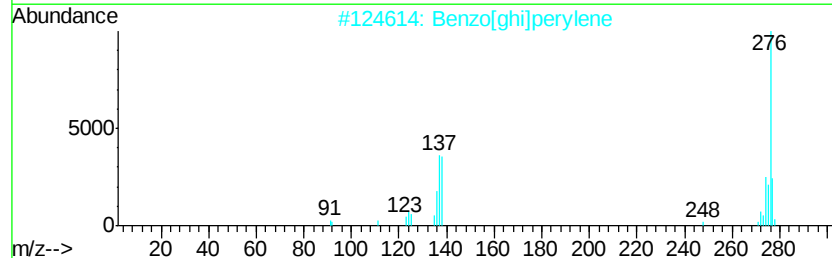
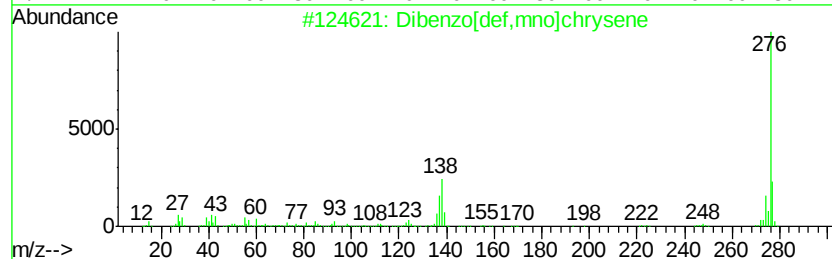
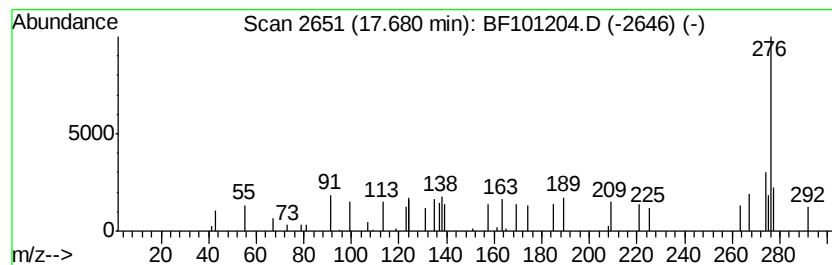
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 unknown17.68 Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.68 | 2.34 ng | 30085 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|--------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dibenzo[def,mno]chrysene             | 276 | C22H12      | 000191-26-4  | 43   |
| 2    |    | Benzo[ghi]perylene                   | 276 | C22H12      | 000191-24-2  | 43   |
| 3    |    | Indeno[1,2,3-cd]pyrene               | 276 | C22H12      | 000193-39-5  | 43   |
| 4    |    | Phenol, 2-(4-chlorophenyl)iminome... | 276 | C13H9ClN2O3 | 1000262-90-3 | 38   |
| 5    |    | 5H-Thiazolo[3,2-a]pyrimidin-5-on...  | 276 | C13H9ClN2O5 | 023429-91-6  | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120717\  
Data File : BF101204.D  
Acq On : 7 Dec 2017 14:48  
Operator : SJ/JU  
Sample : I6765-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-SB003A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF113017.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... | 5.07  | 5.2     | ng    | 73495    | 1                     | 6.84  | 283962 | 20.0 |
| unknown6.61          | 6.61  | 78.0    | ng    | 1107780  | 1                     | 6.84  | 283962 | 20.0 |
| unknown11.89         | 11.89 | 3.2     | ng    | 55665    | 4                     | 11.37 | 343691 | 20.0 |
| 4H-Cyclopenta[def... | 11.99 | 2.2     | ng    | 37494    | 4                     | 11.37 | 343691 | 20.0 |
| 1-Heneicosanol       | 13.84 | 4.6     | ng    | 122165   | 5                     | 14.02 | 532830 | 20.0 |
| Bicyclo[10.8.0]ei... | 14.92 | 8.4     | ng    | 107579   | 6                     | 15.50 | 257394 | 20.0 |
| Eicosane             | 15.92 | 3.1     | ng    | 40142    | 6                     | 15.50 | 257394 | 20.0 |
| unknown15.97         | 15.97 | 2.9     | ng    | 36725    | 6                     | 15.50 | 257394 | 20.0 |
| unknown17.68         | 17.68 | 2.3     | ng    | 30085    | 6                     | 15.50 | 257394 | 20.0 |