

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
 Data File : BF121637.D  
 Acq On : 21 Sep 2020 20:40  
 Operator : JU/CG  
 Sample : L4091-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CARLSTADT-TOPSOIL-2020

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-BF091020.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         | 5.034       | 497           | 501         | 506          | rBV      | 40615          | 55182         | 1.51%           | 0.125%        |
| 2         | 5.440       | 565           | 570         | 573          | rBV      | 3075772        | 2840089       | 77.81%          | 6.449%        |
| 3         | 6.451       | 738           | 742         | 752          | rBV      | 2693792        | 3026025       | 82.91%          | 6.871%        |
| 4         | 6.816       | 800           | 804         | 807          | rBV      | 1058039        | 841398        | 23.05%          | 1.911%        |
| 5         | 7.381       | 895           | 900         | 903          | rBV      | 2159208        | 2045684       | 56.05%          | 4.645%        |
| 6         | 7.828       | 970           | 976         | 984          | rBV2     | 37900          | 78709         | 2.16%           | 0.179%        |
| 7         | 8.098       | 1018          | 1022        | 1028         | rBV      | 1254027        | 1107819       | 30.35%          | 2.516%        |
| 8         | 9.181       | 1200          | 1206        | 1209         | rBV      | 3951172        | 3649829       | 100.00%         | 8.288%        |
| 9         | 9.575       | 1269          | 1273        | 1281         | rVB      | 313390         | 292641        | 8.02%           | 0.665%        |
| 10        | 9.716       | 1294          | 1297        | 1302         | rVB      | 46199          | 47546         | 1.30%           | 0.108%        |
| 11        | 9.857       | 1314          | 1321        | 1325         | rBV      | 1430657        | 1303467       | 35.71%          | 2.960%        |
| 12        | 10.651      | 1451          | 1456        | 1459         | rBV      | 2240080        | 2055025       | 56.30%          | 4.666%        |
| 13        | 10.763      | 1471          | 1475        | 1481         | rBV2     | 61548          | 94030         | 2.58%           | 0.214%        |
| 14        | 10.892      | 1494          | 1497        | 1500         | rBV      | 109440         | 85560         | 2.34%           | 0.194%        |
| 15        | 11.210      | 1545          | 1551        | 1555         | rBV5     | 27122          | 56122         | 1.54%           | 0.127%        |
| 16        | 11.345      | 1570          | 1574        | 1577         | rBV      | 1385048        | 1345228       | 36.86%          | 3.055%        |
| 17        | 11.374      | 1577          | 1579        | 1582         | rVB2     | 429810         | 431091        | 11.81%          | 0.979%        |
| 18        | 11.404      | 1582          | 1584        | 1586         | rBV      | 135121         | 116109        | 3.18%           | 0.264%        |
| 19        | 11.480      | 1595          | 1597        | 1603         | rVB2     | 65591          | 62896         | 1.72%           | 0.143%        |
| 20        | 11.563      | 1608          | 1611        | 1616         | rBV2     | 116733         | 134605        | 3.69%           | 0.306%        |
| 21        | 11.845      | 1654          | 1659        | 1662         | rBV      | 79725          | 102442        | 2.81%           | 0.233%        |
| 22        | 11.886      | 1662          | 1666        | 1670         | rBV2     | 875772         | 897164        | 24.58%          | 2.037%        |
| 23        | 11.963      | 1676          | 1679        | 1681         | rBV      | 85473          | 92258         | 2.53%           | 0.209%        |
| 24        | 12.045      | 1690          | 1693        | 1697         | rVB3     | 33368          | 39310         | 1.08%           | 0.089%        |
| 25        | 12.169      | 1712          | 1714        | 1717         | rVB2     | 43320          | 41063         | 1.13%           | 0.093%        |
| 26        | 12.398      | 1749          | 1753        | 1756         | rBV      | 73392          | 91350         | 2.50%           | 0.207%        |
| 27        | 12.439      | 1756          | 1760        | 1765         | rVB4     | 53582          | 79864         | 2.19%           | 0.181%        |
| 28        | 12.486      | 1765          | 1768        | 1771         | rBV      | 49093          | 58155         | 1.59%           | 0.132%        |
| 29        | 12.521      | 1771          | 1774        | 1777         | rBV      | 40961          | 49256         | 1.35%           | 0.112%        |
| 30        | 12.557      | 1777          | 1780        | 1784         | rVB      | 671391         | 621523        | 17.03%          | 1.411%        |
| 31        | 12.604      | 1785          | 1788        | 1790         | rBV2     | 51342          | 56840         | 1.56%           | 0.129%        |
| 32        | 12.680      | 1794          | 1801        | 1813         | rBV      | 1971508        | 2771695       | 75.94%          | 6.294%        |
| 33        | 12.786      | 1814          | 1819        | 1822         | rVB      | 556485         | 610781        | 16.73%          | 1.387%        |
| 34        | 12.939      | 1840          | 1845        | 1848         | rVB      | 3638140        | 3267883       | 89.54%          | 7.420%        |

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Integration Parameters: rteint.p  
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 Smoothing : ON  
 Sampling : 1  
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 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-BF091020.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.098 | 1869 | 1872 | 1873 | rBV3 | 49350   | 54065   | 1.48%  | 0.123% |
| 36 | 13.116 | 1873 | 1875 | 1879 | rVV2 | 93633   | 91219   | 2.50%  | 0.207% |
| 37 | 13.174 | 1882 | 1885 | 1889 | rVV3 | 112929  | 188752  | 5.17%  | 0.429% |
| 38 | 13.221 | 1890 | 1893 | 1901 | rVB3 | 84876   | 127998  | 3.51%  | 0.291% |
| 39 | 13.345 | 1912 | 1914 | 1917 | rBV  | 49552   | 53602   | 1.47%  | 0.122% |
| 40 | 13.386 | 1919 | 1921 | 1924 | rVB  | 78682   | 65581   | 1.80%  | 0.149% |
| 41 | 13.492 | 1937 | 1939 | 1950 | rBV3 | 79432   | 199656  | 5.47%  | 0.453% |
| 42 | 13.627 | 1959 | 1962 | 1966 | rVB  | 78016   | 85788   | 2.35%  | 0.195% |
| 43 | 13.733 | 1978 | 1980 | 1983 | rBV3 | 45563   | 48935   | 1.34%  | 0.111% |
| 44 | 13.851 | 1994 | 2000 | 2016 | rVB4 | 410406  | 921548  | 25.25% | 2.093% |
| 45 | 13.992 | 2018 | 2024 | 2026 | rBV2 | 1063302 | 1368103 | 37.48% | 3.107% |
| 46 | 14.015 | 2026 | 2028 | 2030 | rVB  | 307545  | 229006  | 6.27%  | 0.520% |
| 47 | 14.092 | 2039 | 2041 | 2044 | rBV  | 70697   | 55663   | 1.53%  | 0.126% |
| 48 | 14.463 | 2101 | 2104 | 2107 | rBV  | 227421  | 229006  | 6.27%  | 0.520% |
| 49 | 14.498 | 2107 | 2110 | 2112 | rBV2 | 180461  | 240501  | 6.59%  | 0.546% |
| 50 | 14.768 | 2154 | 2156 | 2159 | rVB2 | 65074   | 60256   | 1.65%  | 0.137% |
| 51 | 14.845 | 2166 | 2169 | 2177 | rVB3 | 160180  | 188007  | 5.15%  | 0.427% |
| 52 | 15.027 | 2196 | 2200 | 2203 | rBV  | 323606  | 489478  | 13.41% | 1.111% |
| 53 | 15.110 | 2210 | 2214 | 2219 | rBV  | 1046263 | 1149744 | 31.50% | 2.611% |
| 54 | 15.168 | 2220 | 2224 | 2231 | rVB5 | 106192  | 259719  | 7.12%  | 0.590% |
| 55 | 15.327 | 2247 | 2251 | 2256 | rVB  | 214225  | 284148  | 7.79%  | 0.645% |
| 56 | 15.386 | 2257 | 2261 | 2267 | rVB  | 279120  | 371495  | 10.18% | 0.844% |
| 57 | 15.457 | 2268 | 2273 | 2276 | rBV  | 727061  | 937786  | 25.69% | 2.129% |
| 58 | 15.686 | 2308 | 2312 | 2317 | rVB3 | 178960  | 241179  | 6.61%  | 0.548% |
| 59 | 15.821 | 2330 | 2335 | 2340 | rBV  | 279271  | 518086  | 14.19% | 1.176% |
| 60 | 15.921 | 2347 | 2352 | 2359 | rVB  | 822326  | 1262044 | 34.58% | 2.866% |
| 61 | 16.004 | 2362 | 2366 | 2370 | rBV5 | 101309  | 208599  | 5.72%  | 0.474% |
| 62 | 16.192 | 2394 | 2398 | 2408 | rVB2 | 307304  | 630752  | 17.28% | 1.432% |
| 63 | 16.721 | 2483 | 2488 | 2497 | rVB4 | 155614  | 315315  | 8.64%  | 0.716% |
| 64 | 16.904 | 2514 | 2519 | 2524 | rBV2 | 116850  | 244669  | 6.70%  | 0.556% |
| 65 | 17.015 | 2536 | 2538 | 2545 | rVB  | 142774  | 217883  | 5.97%  | 0.495% |
| 66 | 17.527 | 2617 | 2625 | 2639 | rBV6 | 594557  | 2318937 | 63.54% | 5.266% |
| 67 | 18.056 | 2710 | 2715 | 2725 | rVB5 | 366837  | 1007424 | 27.60% | 2.288% |
| 68 | 18.521 | 2788 | 2794 | 2810 | rVB3 | 298492  | 925149  | 25.35% | 2.101% |

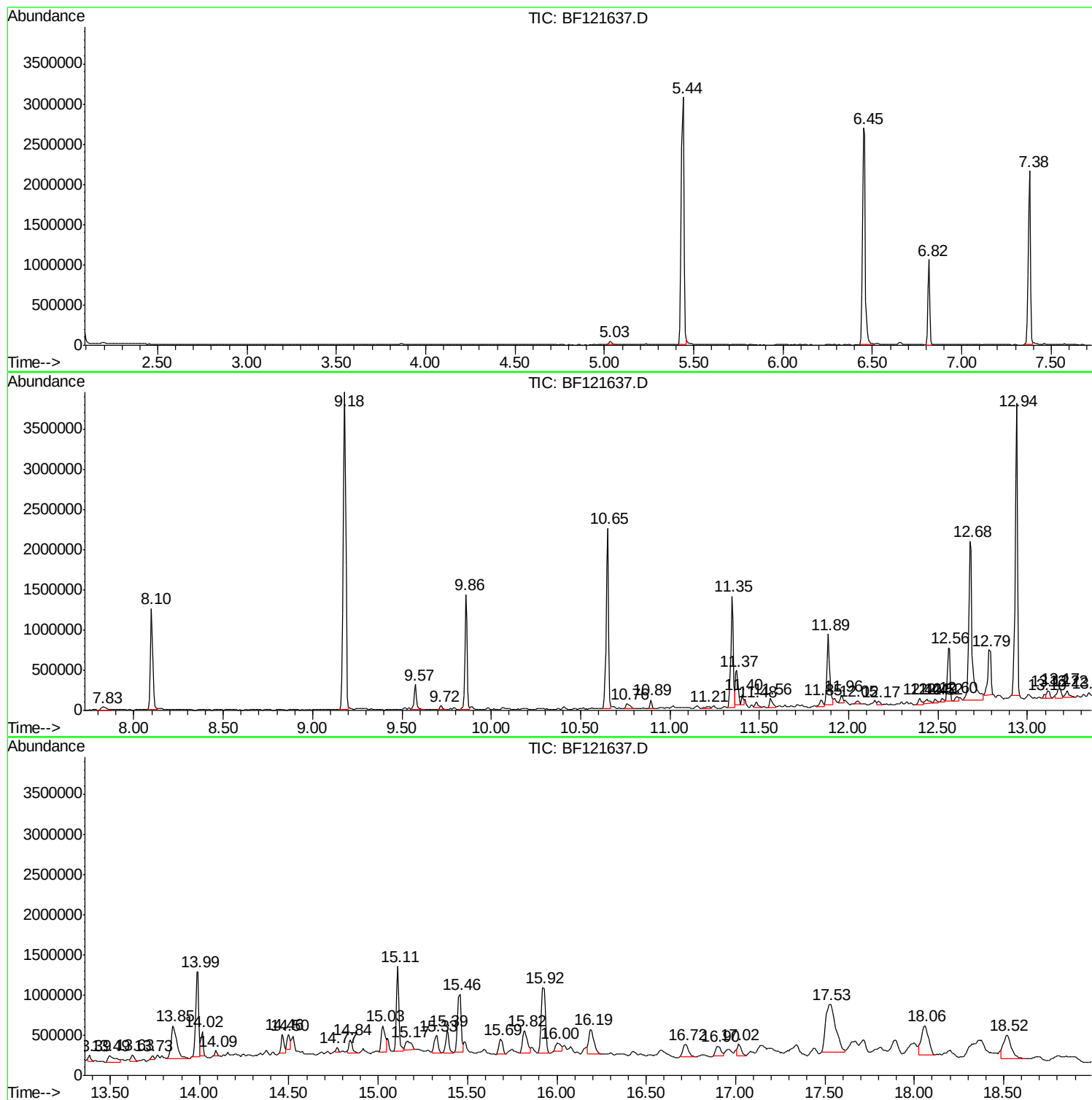
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
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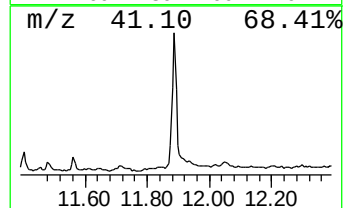
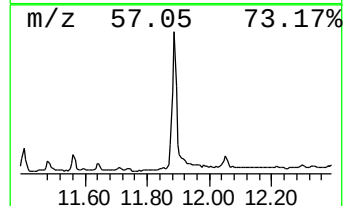
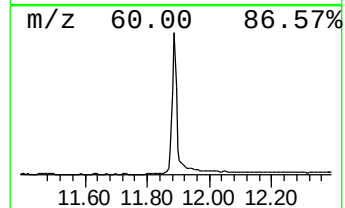
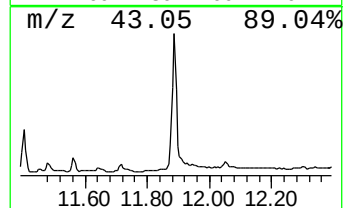
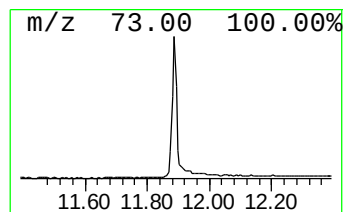
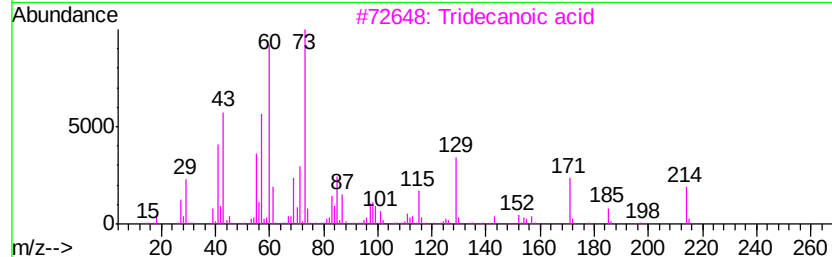
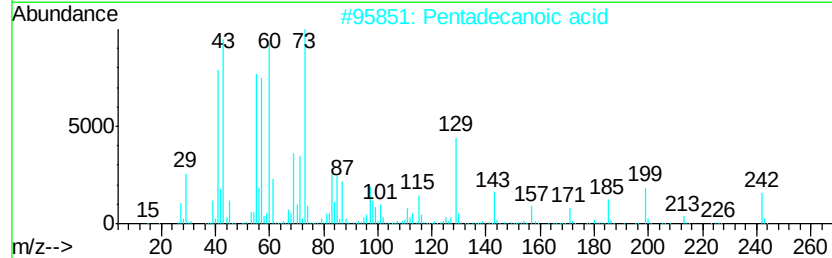
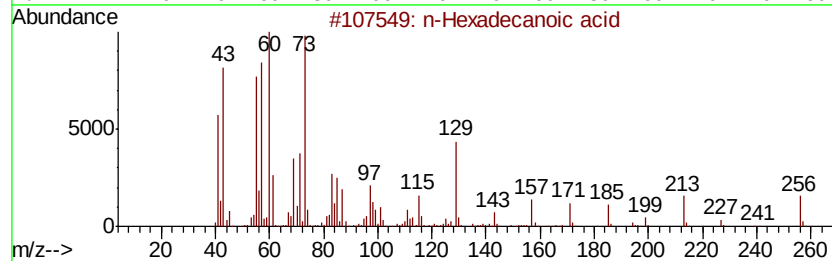
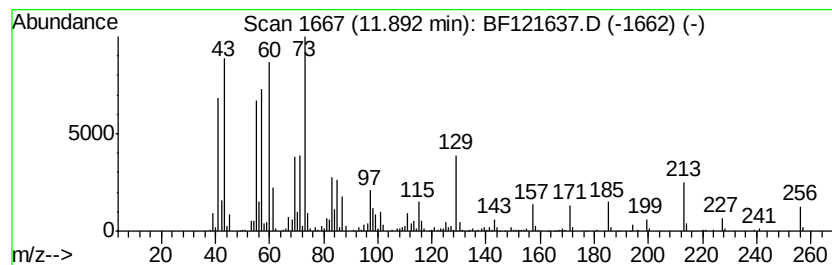
Instrument :  
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 CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
 Peak Number 1 n-Hexadecanoic acid Concentration Rank 9

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 11.89     | 13.34 ng            | 897164 | Phenanthrene-d10 |             | 11.35 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 99    |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 90    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 87    |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 76    |
| 5         | Isoamyl nitrite     | 117    | C5H11NO2         | 000110-46-3 | 38    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
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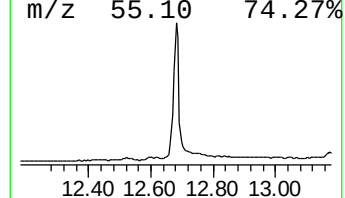
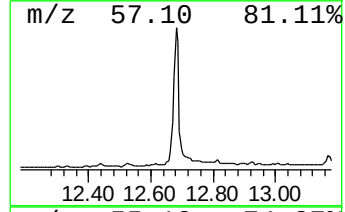
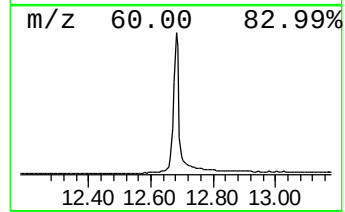
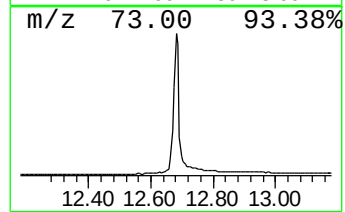
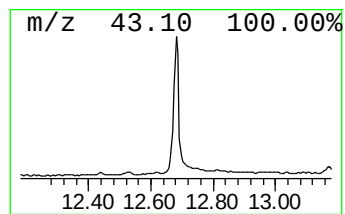
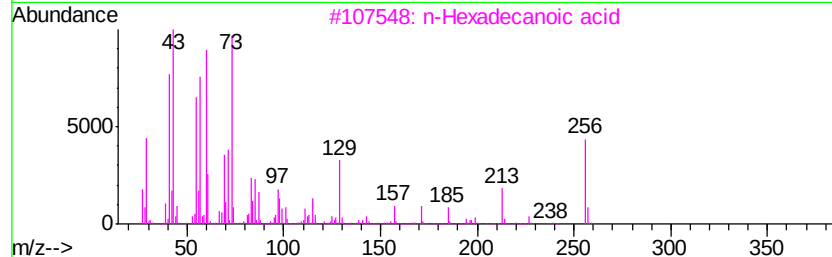
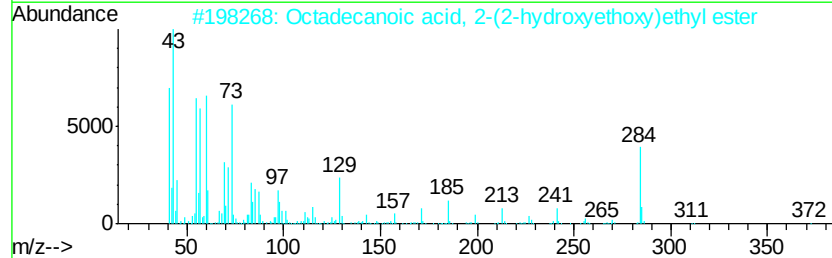
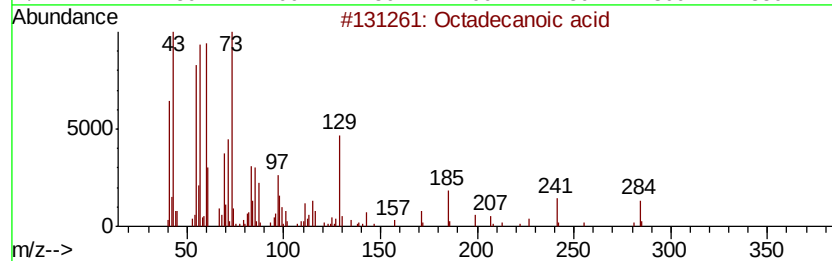
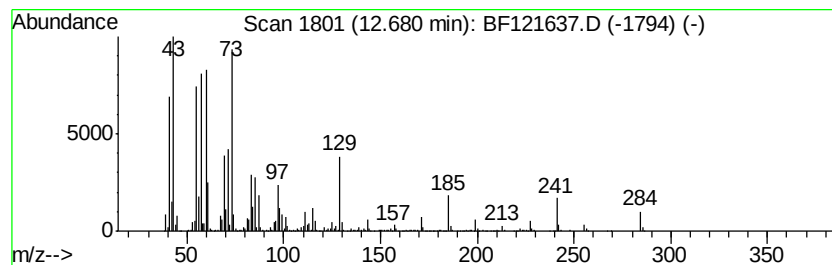
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Octadecanoic acid Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.68 | 40.52 ng | 2771700 | Chrysene-d12     | 13.99 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6 | 90   |
| 3    |    | n-Hexadecanoic acid                  | 256 | C16H32O2 | 000057-10-3 | 83   |
| 4    |    | n-Decanoic acid                      | 172 | C10H20O2 | 000334-48-5 | 70   |
| 5    |    | Tetradecanoic acid                   | 228 | C14H28O2 | 000544-63-8 | 68   |



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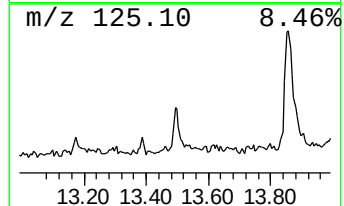
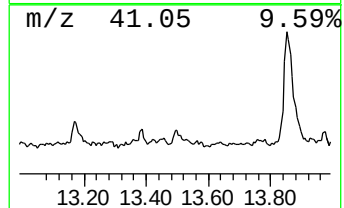
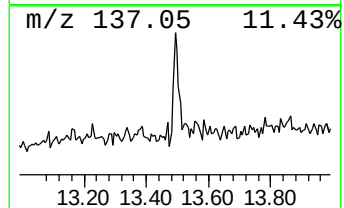
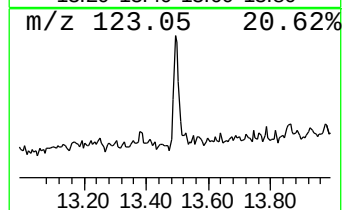
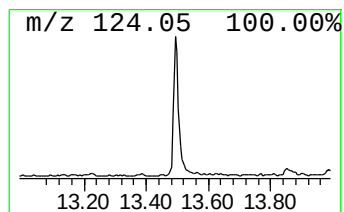
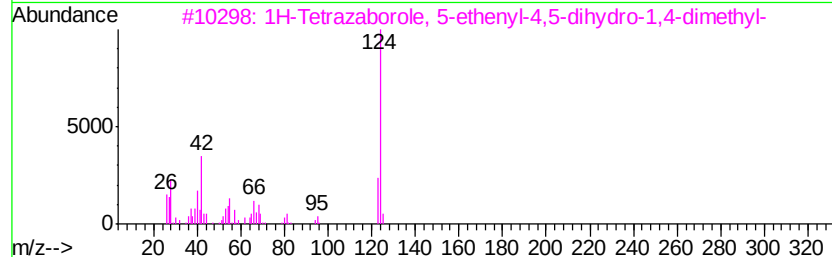
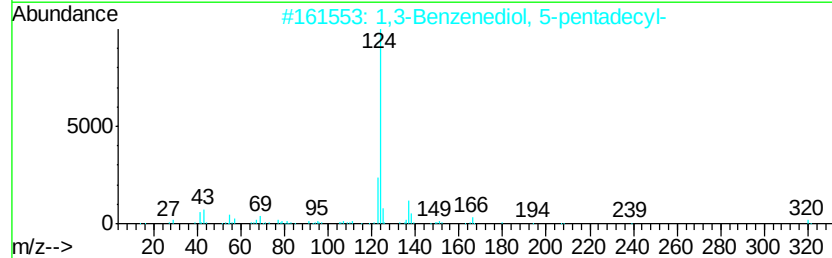
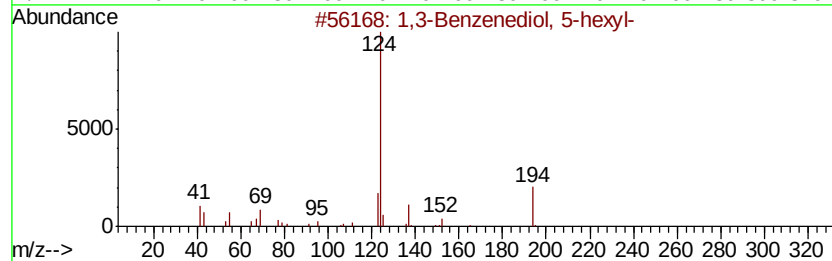
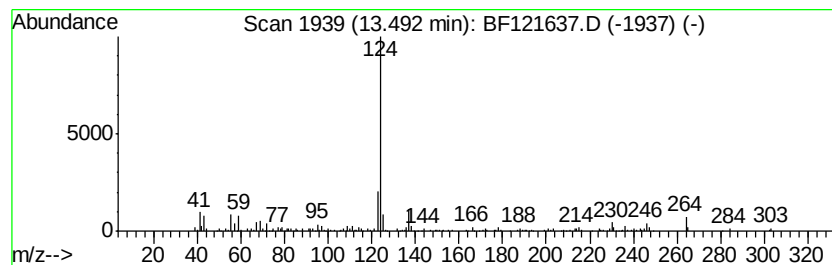
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 1,3-Benzenediol, 5-hexyl- Concentration Rank 20

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 13.49   | 2.92 ng                             | 199656       | Chrysene-d12     | 13.99       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 1,3-Benzenediol, 5-hexyl-           | 194          | C12H18O2         | 005465-20-3 | 74   |      |
| 2       | 1,3-Benzenediol, 5-pentadecyl-      | 320          | C21H36O2         | 003158-56-3 | 64   |      |
| 3       | 1H-Tetrazaborole, 5-ethenyl-4,5-... | 124          | C4H9BN4          | 020534-02-5 | 59   |      |
| 4       | 2-Cyclohexen-1-one, 4-hydroxy-3,... | 222          | C13H18O3         | 077846-84-5 | 50   |      |
| 5       | 1,3-Benzenediol, 5-pentyl-          | 180          | C11H16O2         | 000500-66-3 | 50   |      |



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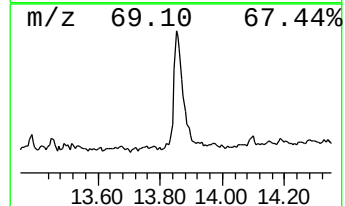
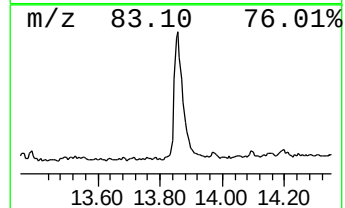
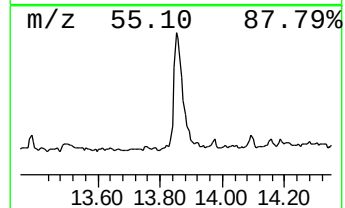
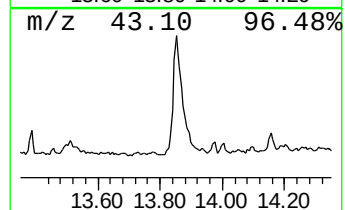
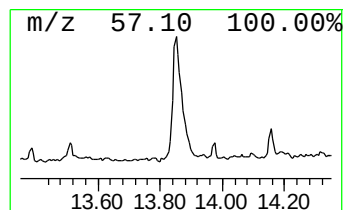
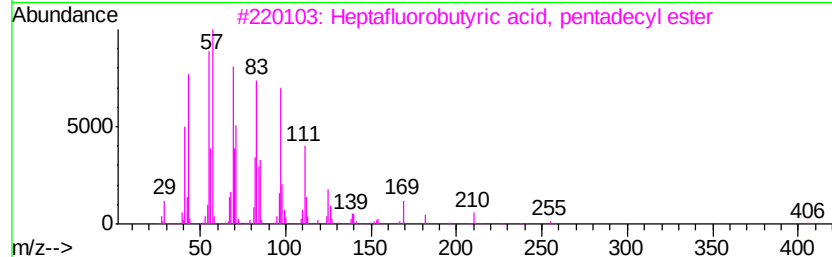
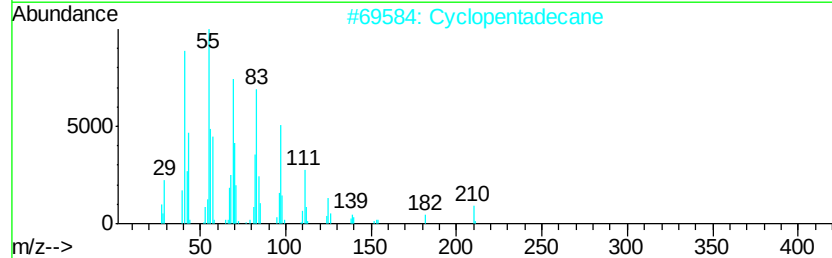
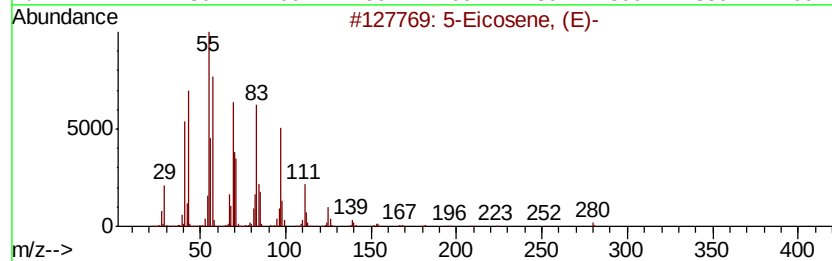
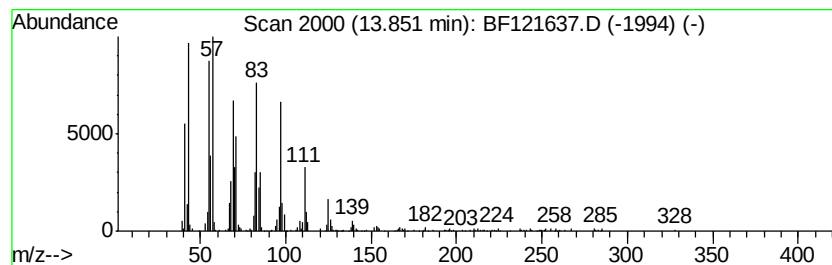
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 5-Eicosene, (E)- Concentration Rank 7

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 13.85   | 13.47 ng                            | 921548       | Chrysene-d12     | 13.99       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 5-Eicosene, (E)-                    | 280          | C20H40           | 074685-30-6 | 96   |      |
| 2       | Cyclopentadecane                    | 210          | C15H30           | 000295-48-7 | 95   |      |
| 3       | Heptafluorobutyric acid, pentade... | 424          | C19H31F7O2       | 959261-23-5 | 94   |      |
| 4       | Trifluoroacetic acid, pentadecyl... | 324          | C17H31F3O2       | 959010-23-2 | 94   |      |
| 5       | Pentafluoropropionic acid, penta... | 374          | C18H31F5O2       | 959092-08-1 | 94   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

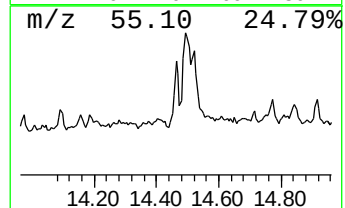
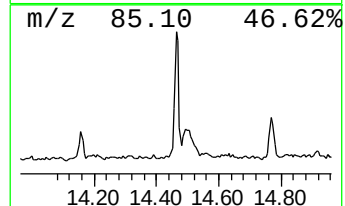
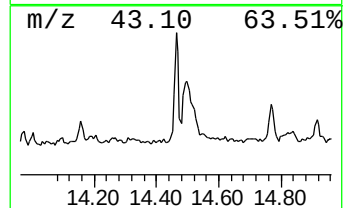
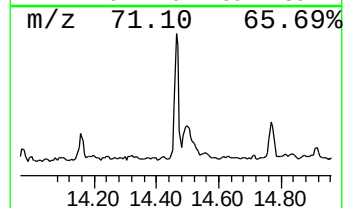
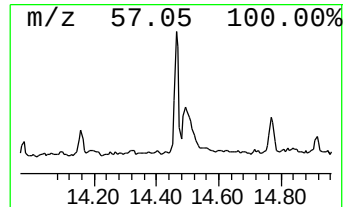
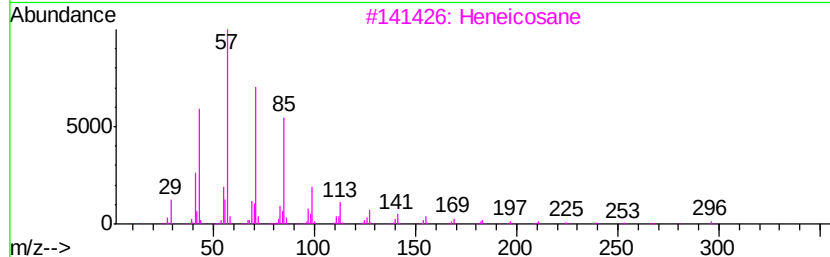
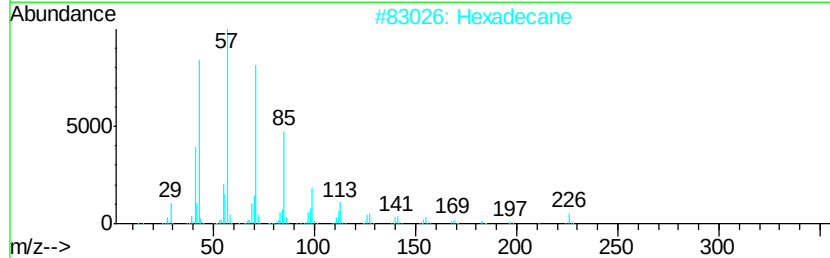
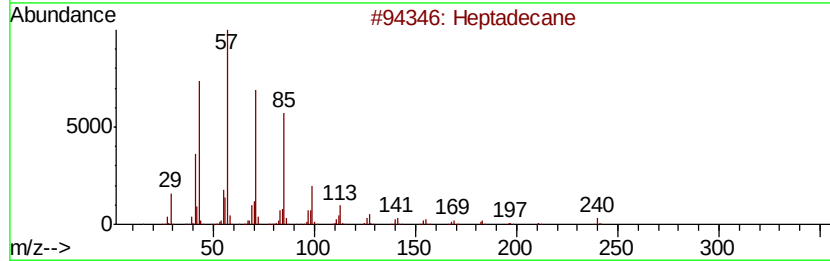
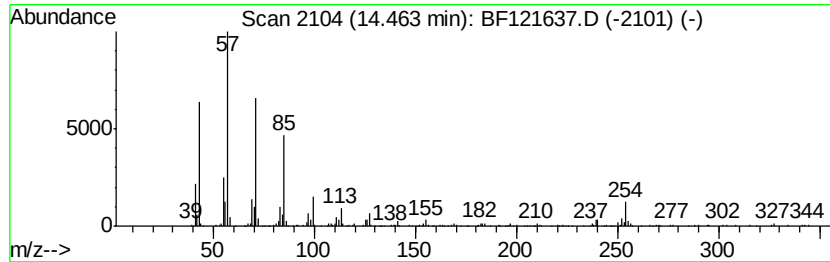
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Heptadecane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.46 | 3.35 ng | 229006 | Chrysene-d12     | 13.99 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane        |              | 240 | C17H36  | 000629-78-7 | 94   |
| 2       | Hexadecane         |              | 226 | C16H34  | 000544-76-3 | 74   |
| 3       | Heneicosane        |              | 296 | C21H44  | 000629-94-7 | 74   |
| 4       | Heptacosane        |              | 380 | C27H56  | 000593-49-7 | 74   |
| 5       | Tridecane, 1-iodo- |              | 310 | C13H27I | 035599-77-0 | 74   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
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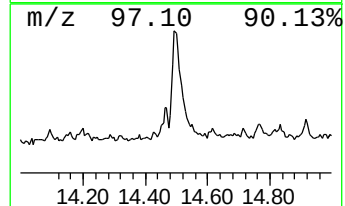
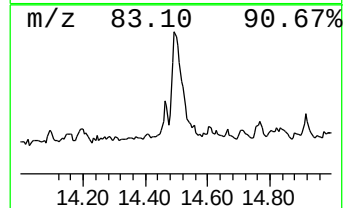
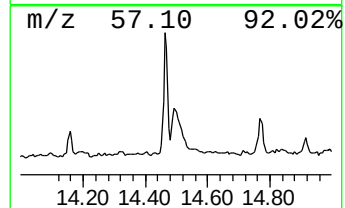
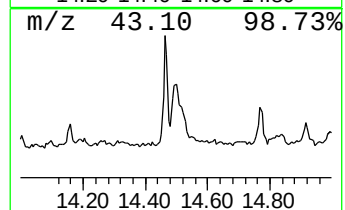
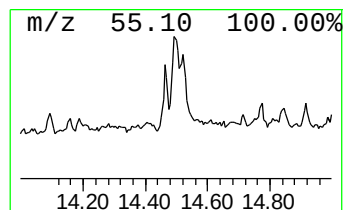
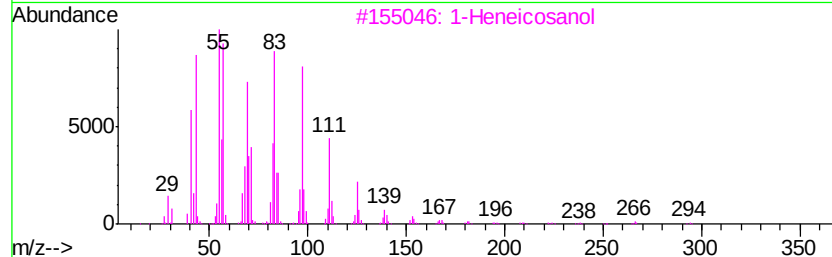
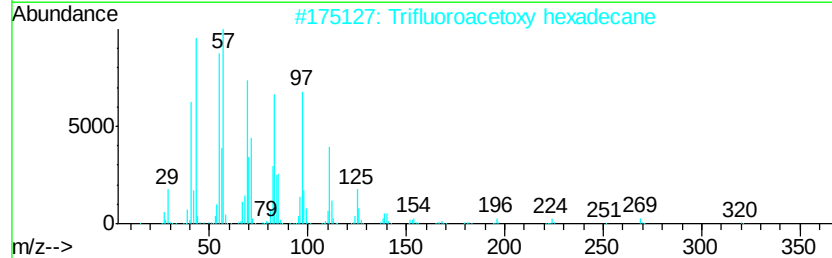
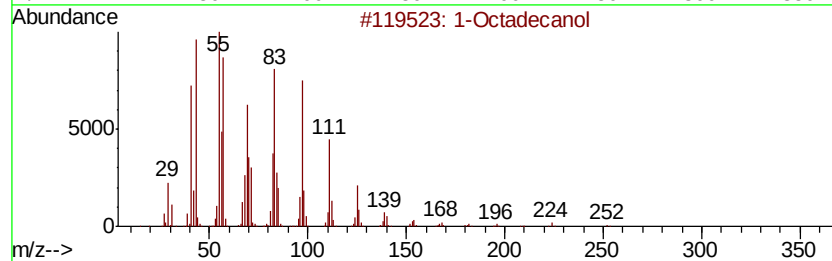
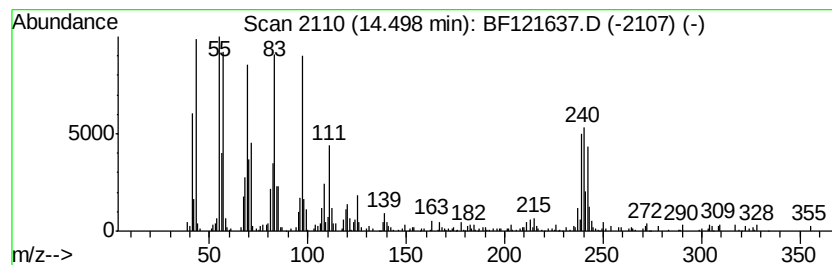
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 1-Octadecanol Concentration Rank 18

| R.T.      | EstConc                     | Area   | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------|--------|------------------|-------------|-------|
| 14.50     | 3.52 ng                     | 240501 | Chrysene-d12     |             | 13.99 |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual  |
| 1         | 1-Octadecanol               | 270    | C18H38O          | 000112-92-5 | 84    |
| 2         | Trifluoroacetoxy hexadecane | 338    | C18H33F3O2       | 006222-03-3 | 78    |
| 3         | 1-Heneicosanol              | 312    | C21H44O          | 015594-90-8 | 78    |
| 4         | n-Nonadecanol-1             | 284    | C19H40O          | 001454-84-8 | 78    |
| 5         | n-Tetracosanol-1            | 354    | C24H50O          | 000506-51-4 | 78    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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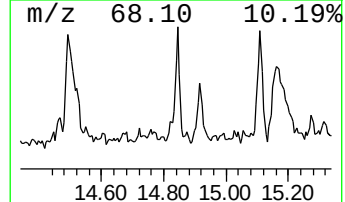
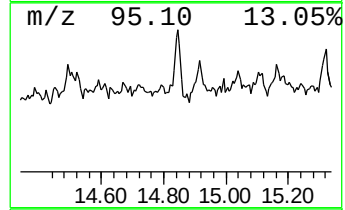
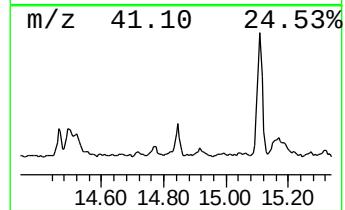
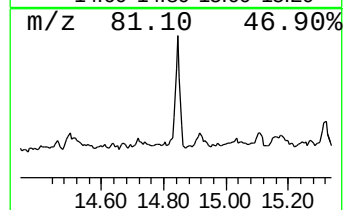
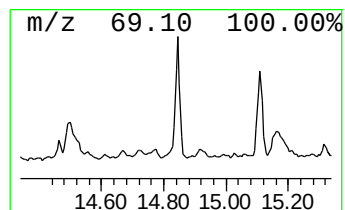
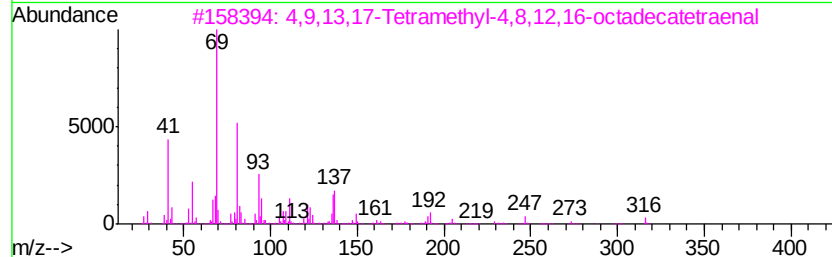
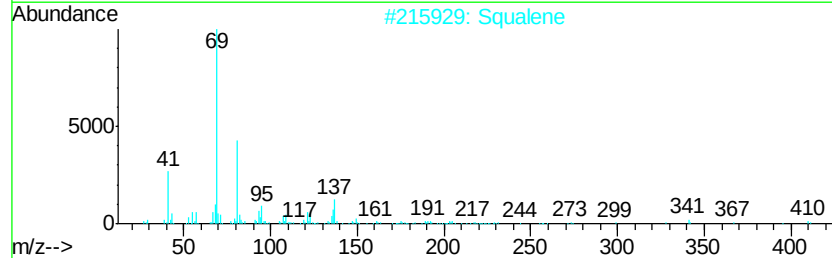
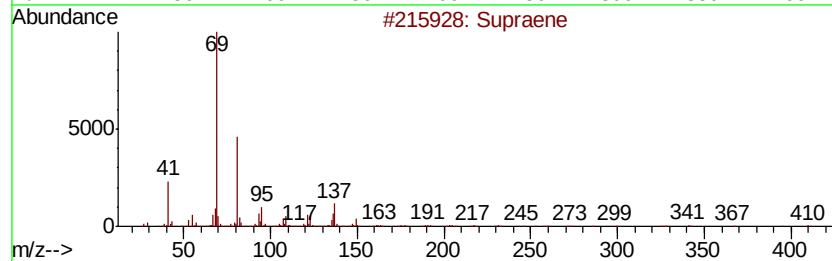
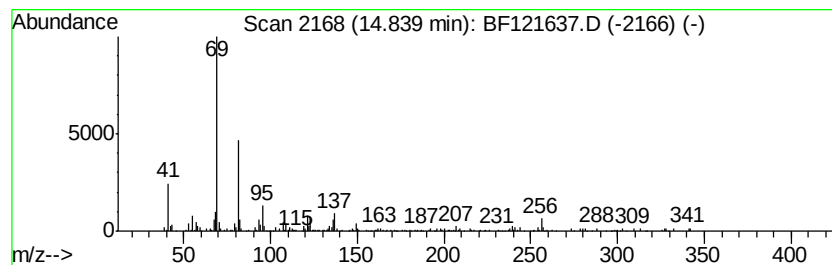
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Supraene Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.84 | 4.01 ng | 188007 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Supraene                            | 410 | C30H50   | 007683-64-9 | 87   |
| 2    |    | Squalene                            | 410 | C30H50   | 000111-02-4 | 83   |
| 3    |    | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O  | 056882-09-8 | 72   |
| 4    |    | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18   | 035387-63-4 | 58   |
| 5    |    | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

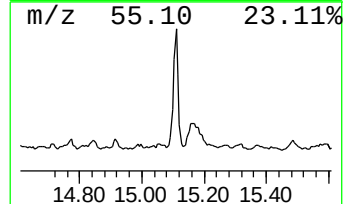
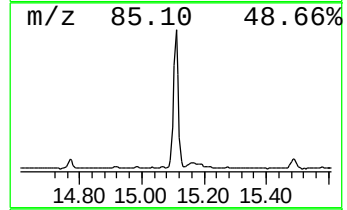
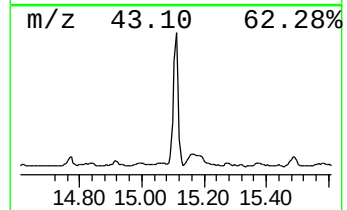
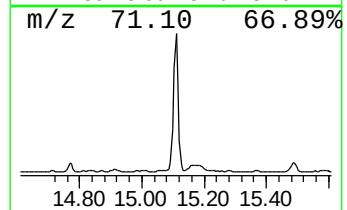
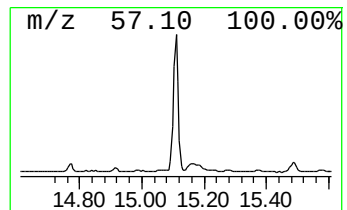
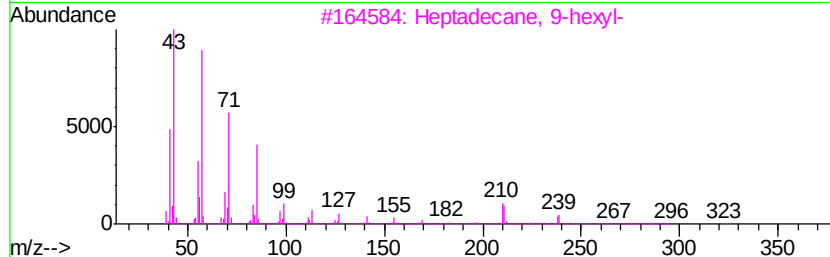
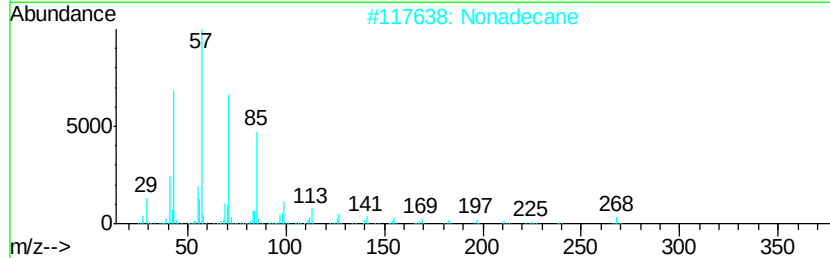
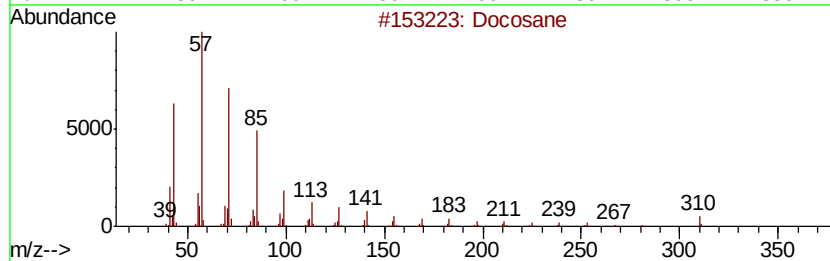
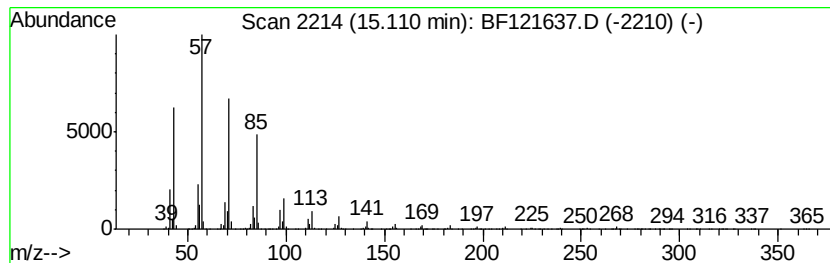
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Docosane Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.11 | 24.52 ng | 1149740 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane              | 310 | C22H46  | 000629-97-0 | 97   |
| 2    |    | Nonadecane            | 268 | C19H40  | 000629-92-5 | 94   |
| 3    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 94   |
| 4    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

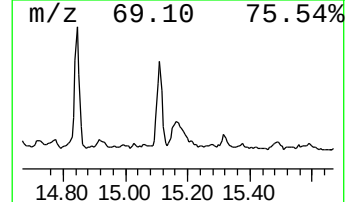
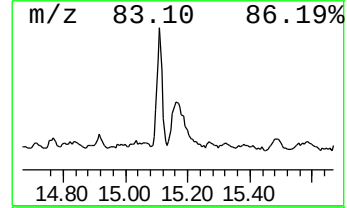
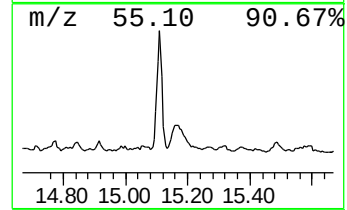
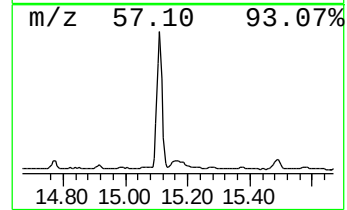
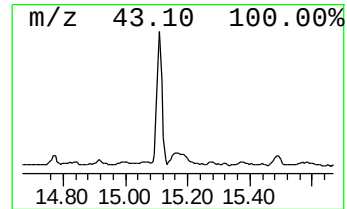
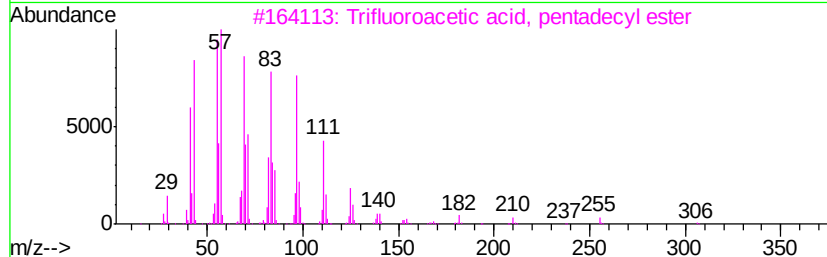
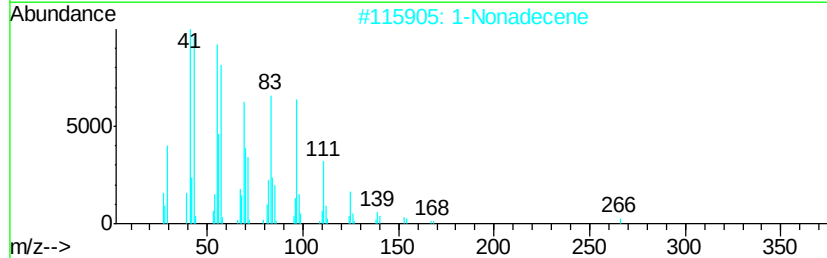
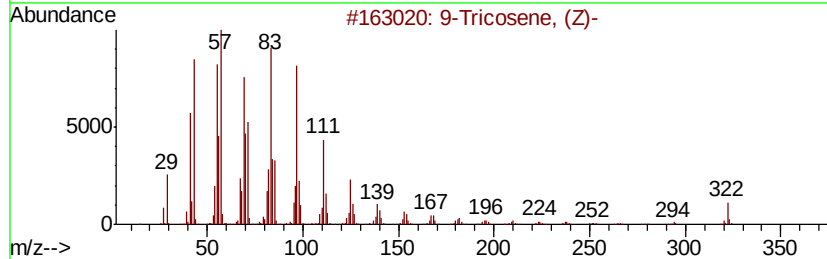
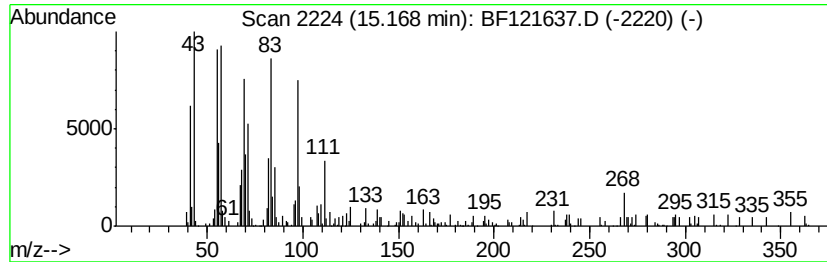
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 9-Tricosene, (Z)- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.17 | 5.54 ng | 259719 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 9-Tricosene, (Z)-                   | 322 | C23H46     | 027519-02-4 | 94   |
| 2    |    | 1-Nonadecene                        | 266 | C19H38     | 018435-45-5 | 91   |
| 3    |    | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91   |
| 4    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 91   |
| 5    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

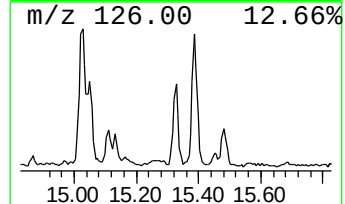
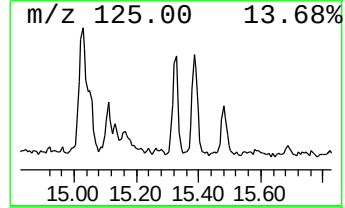
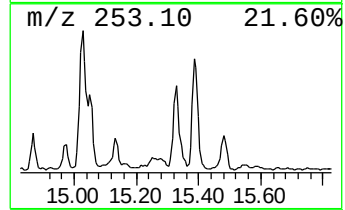
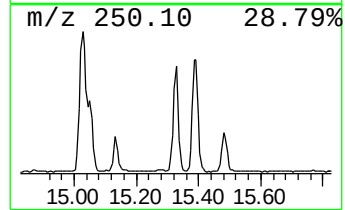
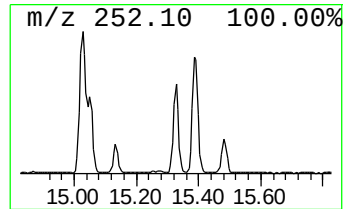
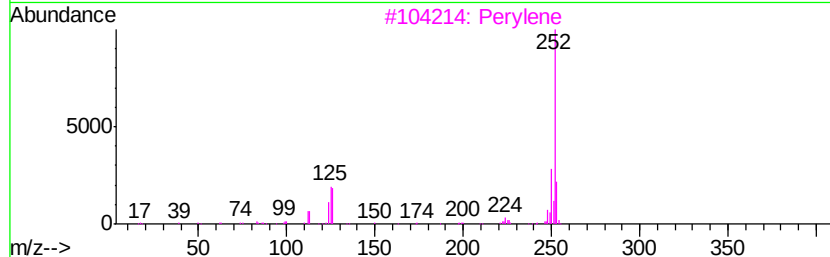
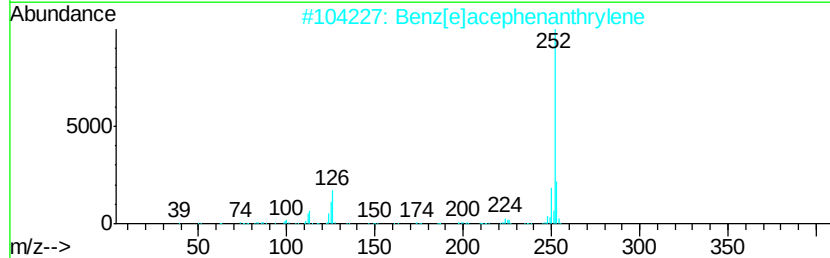
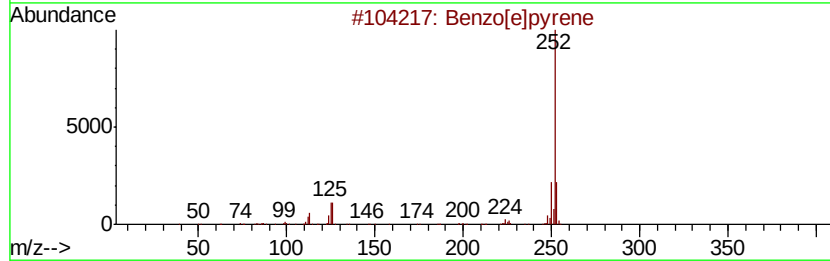
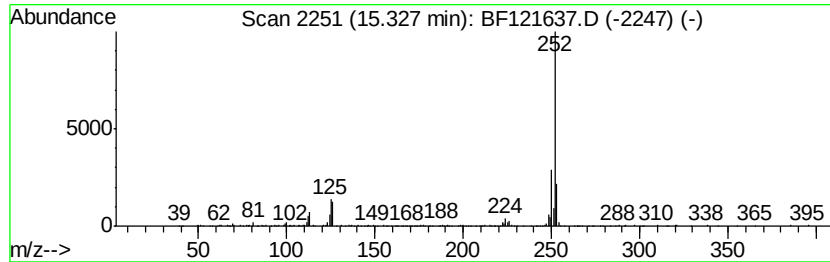
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Benzo[e]pyrene Concentration Rank 12

| R.T.      | EstConc                  | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------------------|--------|------------------|-------------|-------|
| 15.33     | 6.06 ng                  | 284148 | Perylene-d12     |             | 15.46 |
| Hit# of 5 | Tentative ID             | MW     | MolForm          | CAS#        | Qual  |
| 1         | Benzo[e]pyrene           | 252    | C20H12           | 000192-97-2 | 99    |
| 2         | Benz[e]acephenanthrylene | 252    | C20H12           | 000205-99-2 | 98    |
| 3         | Perylene                 | 252    | C20H12           | 000198-55-0 | 95    |
| 4         | Benzo[a]pyrene           | 252    | C20H12           | 000050-32-8 | 93    |
| 5         | Benzo[j]fluoranthene     | 252    | C20H12           | 000205-82-3 | 93    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

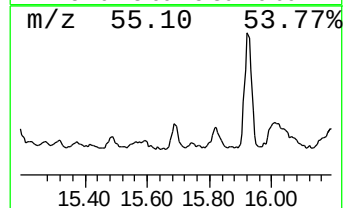
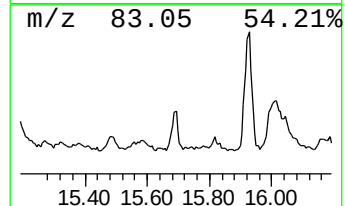
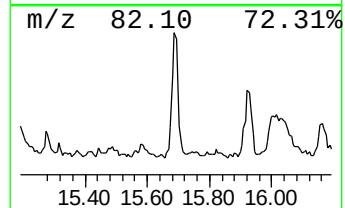
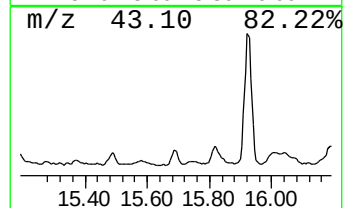
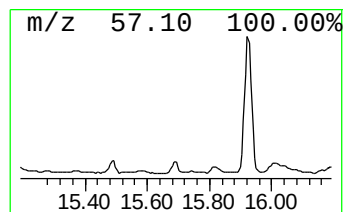
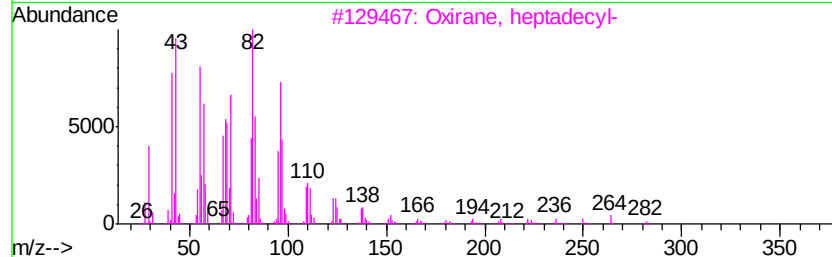
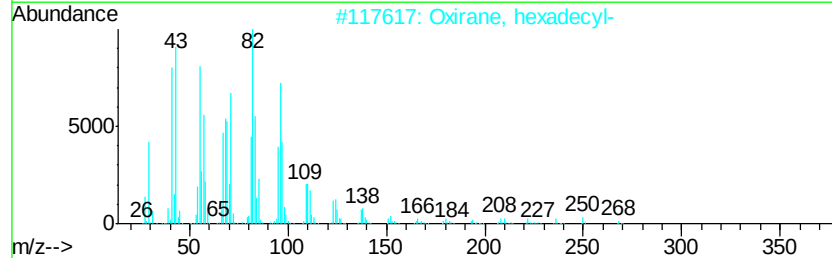
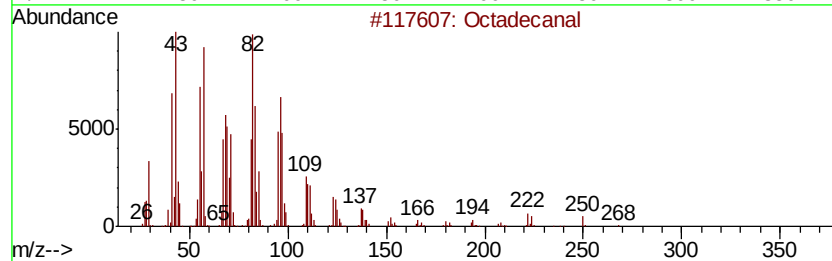
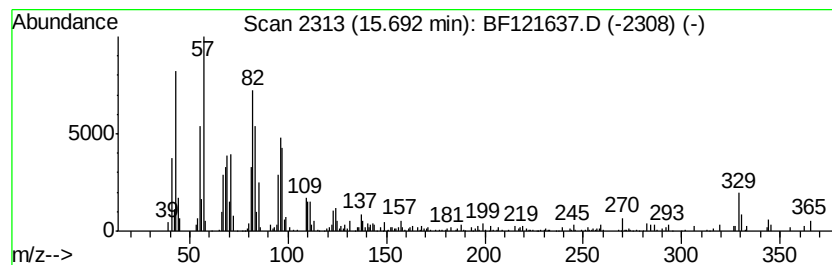
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CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Octadecanal Concentration Rank 14

| R.T.      | EstConc              | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------|--------|------------------|-------------|-------|
| 15.69     | 5.14 ng              | 241179 | Perylene-d12     |             | 15.46 |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual  |
| 1         | Octadecanal          | 268    | C18H36O          | 000638-66-4 | 87    |
| 2         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0 | 81    |
| 3         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2 | 81    |
| 4         | Tetradecanal         | 212    | C14H28O          | 000124-25-4 | 81    |
| 5         | 1,19-Eicosadiene     | 278    | C20H38           | 014811-95-1 | 62    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

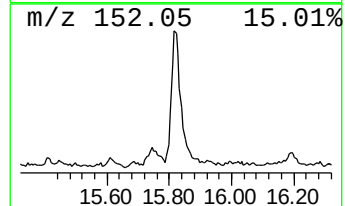
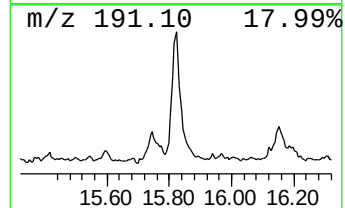
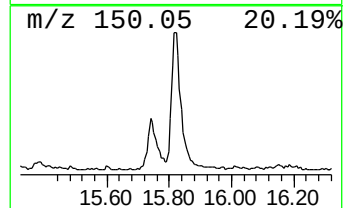
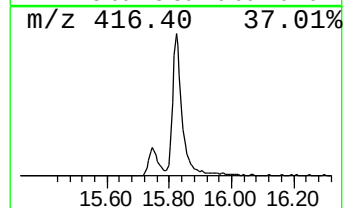
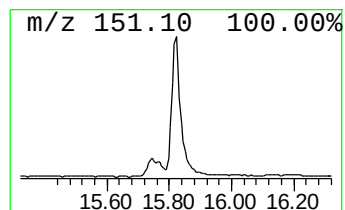
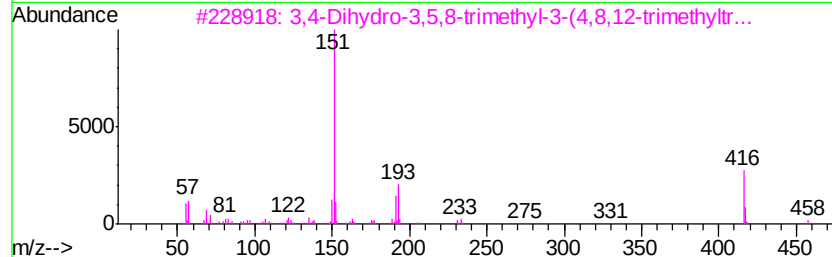
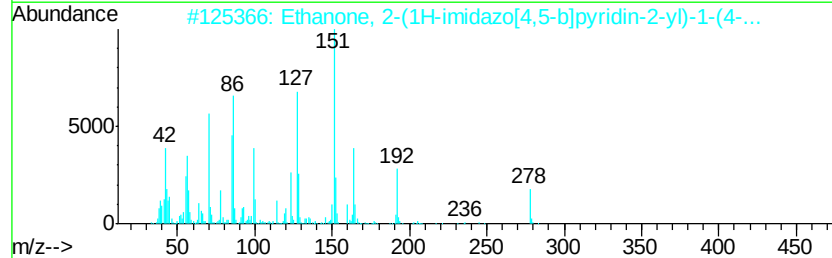
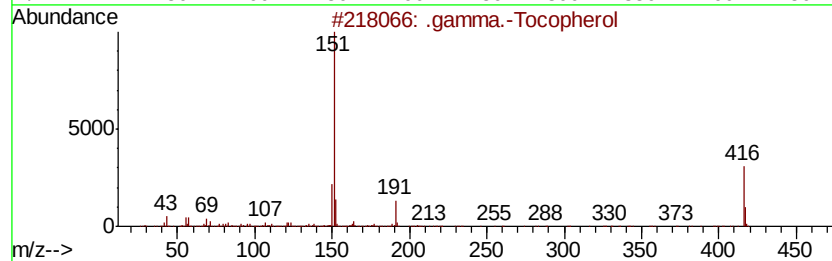
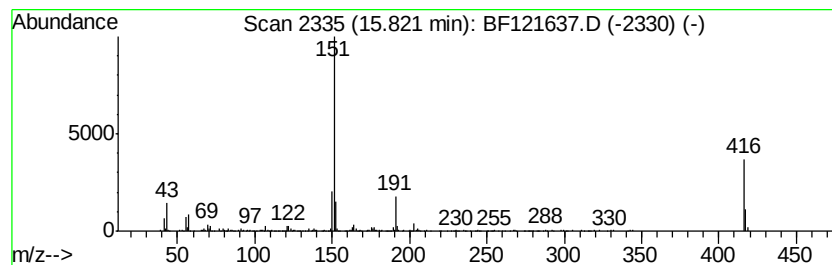
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 .gamma.-Tocopherol Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.82 | 11.05 ng | 518086 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | .gamma.-Tocopherol                  | 416 | C28H48O2    | 007616-22-0  | 99   |
| 2    |    | Ethanone, 2-(1H-imidazo[4,5-b]py... | 278 | C12H14N4O2S | 1000272-55-7 | 91   |
| 3    |    | 3,4-Dihydro-3,5,8-trimethyl-3-(4... | 458 | C30H50O3    | 1000105-71-9 | 64   |
| 4    |    | [1,3,5]Triazine, 2-amino-4-piper... | 369 | C16H19N9S   | 1000310-62-9 | 47   |
| 5    |    | 4H-1,3,2-Dioxaborin, 6-ethenyl-2... | 208 | C12H21BO2   | 074630-05-0  | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

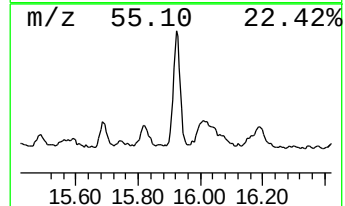
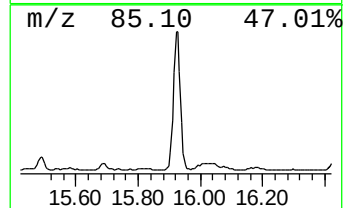
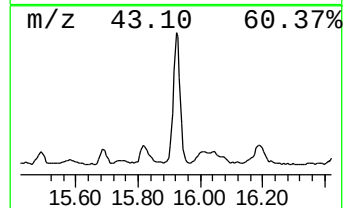
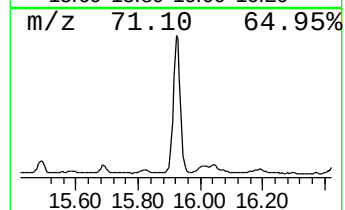
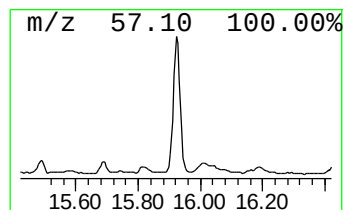
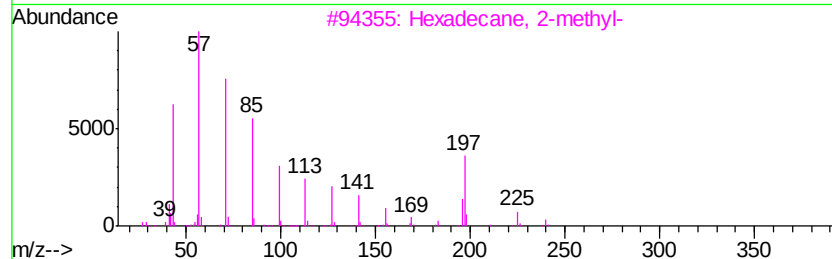
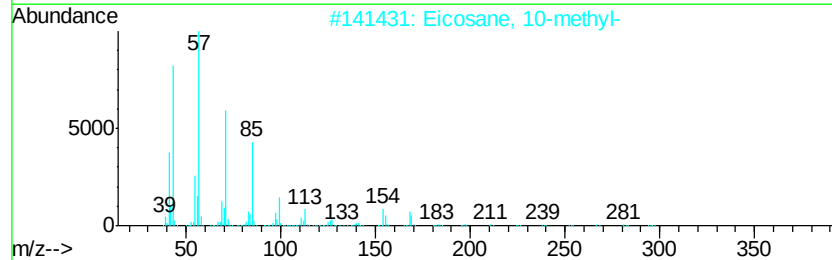
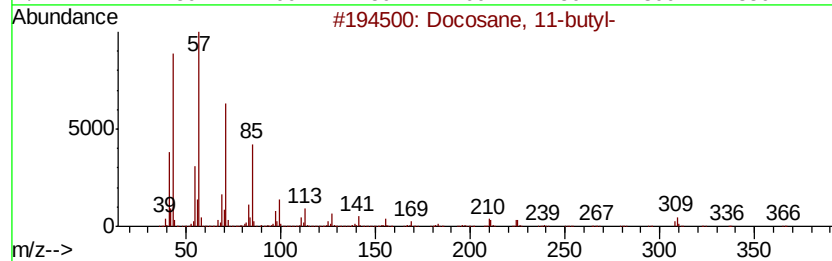
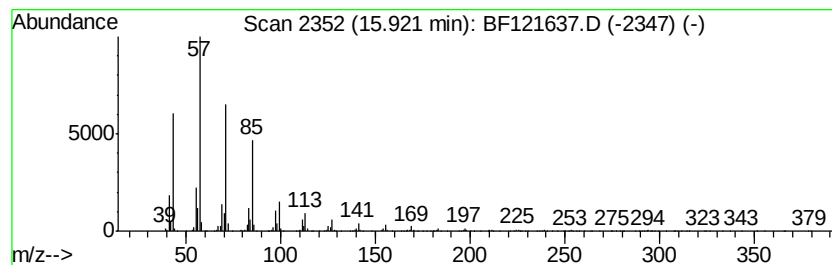
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Docosane, 11-butyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.92 | 26.92 ng | 1262040 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 94   |
| 2    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 93   |
| 3    |    | Hexadecane, 2-methyl- | 240 | C17H36  | 001560-92-5 | 93   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

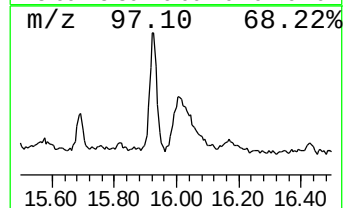
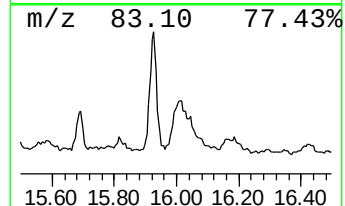
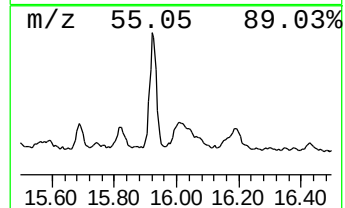
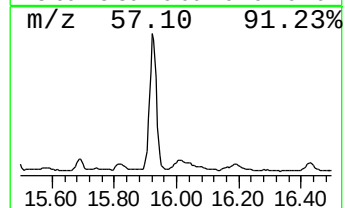
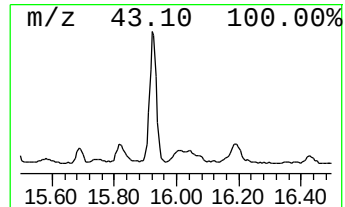
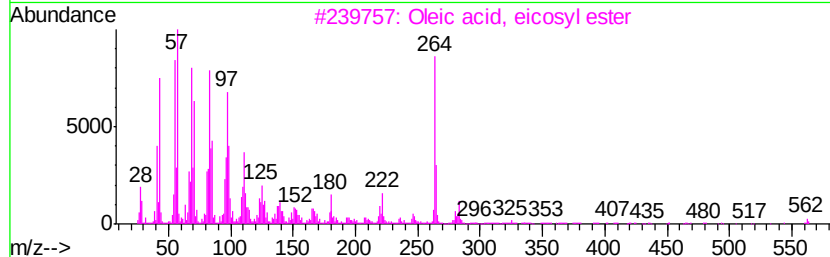
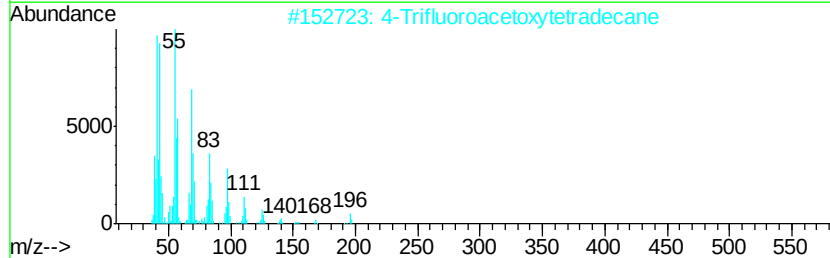
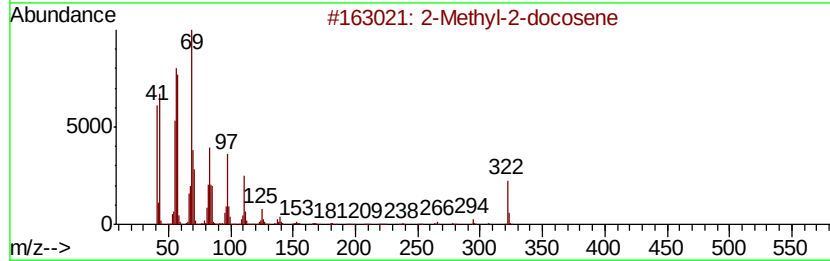
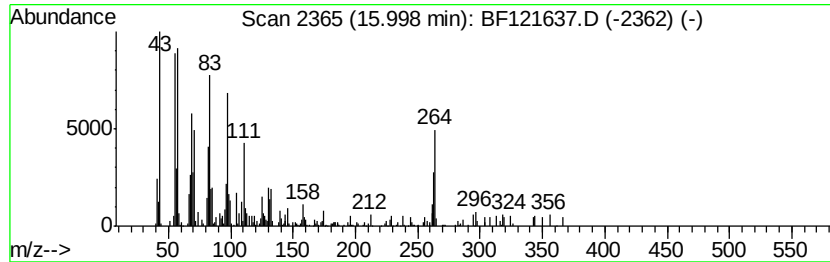
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 2-Methyl-2-docosene Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.00 | 4.45 ng | 208599 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                  | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2-Methyl-2-docosene           | 322 | C23H46     | 1000131-16-9 | 52   |
| 2    |    | 4-Trifluoroacetoxytetradecane | 310 | C16H29F3O2 | 1000245-47-6 | 47   |
| 3    |    | Oleic acid, eicosyl ester     | 563 | C38H74O2   | 022393-88-0  | 42   |
| 4    |    | 1-Docosanethiol               | 342 | C22H46S    | 007773-83-3  | 37   |
| 5    |    | 5-Methyl-Z-5-docosene         | 322 | C23H46     | 1000131-17-1 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

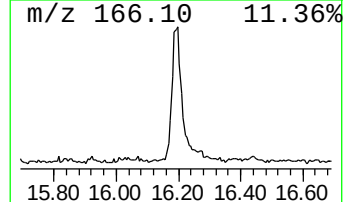
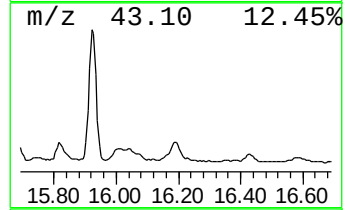
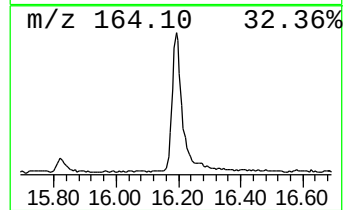
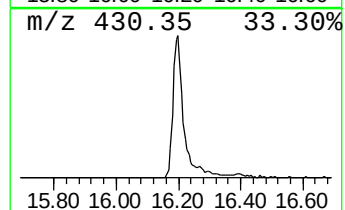
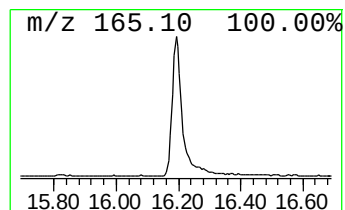
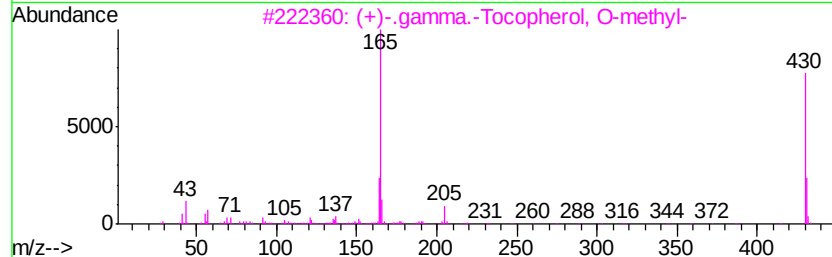
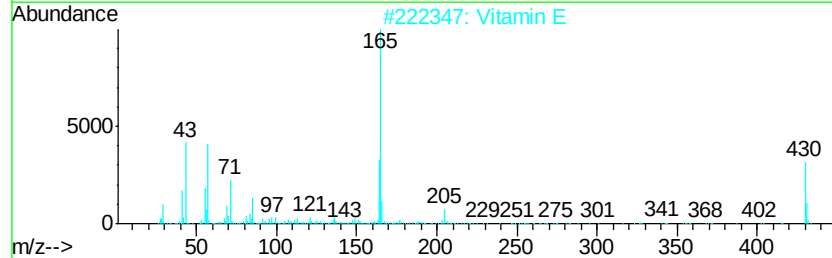
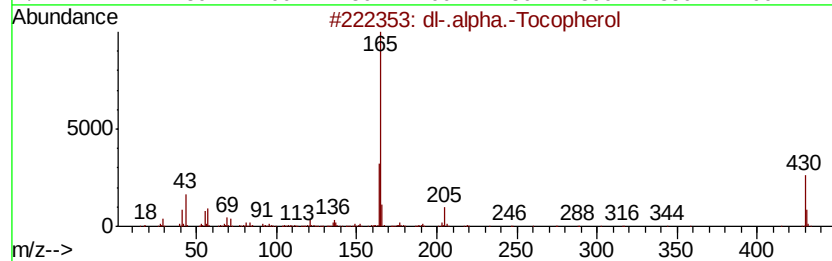
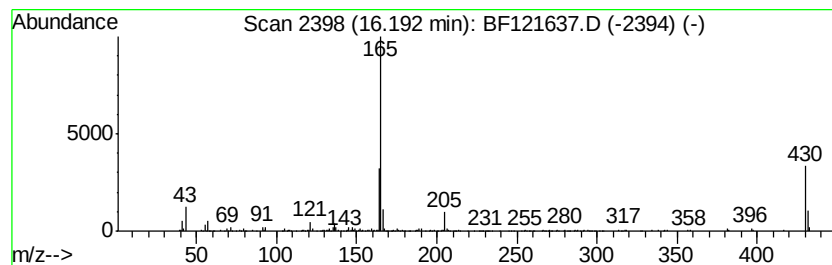
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 dl-.alpha.-Tocopherol Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 16.19 | 13.45 ng | 630752 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | dl-.alpha.-Tocopherol               | 430 | C29H50O2 | 010191-41-0  | 94   |
| 2    |    | Vitamin E                           | 430 | C29H50O2 | 000059-02-9  | 94   |
| 3    |    | (+)-.gamma.-Tocopherol, 0-methyl-   | 430 | C29H50O2 | 1000374-72-2 | 91   |
| 4    |    | 4-Amino-3-methoxypyrazolo[3,4-d]... | 165 | C6H7N5O  | 111375-22-5  | 52   |
| 5    |    | .alpha.-Tocopherol-.beta.-D-mann... | 592 | C35H60O7 | 1000156-68-2 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

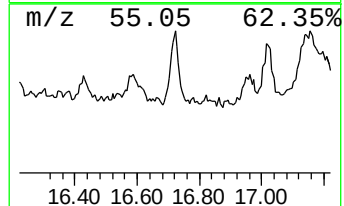
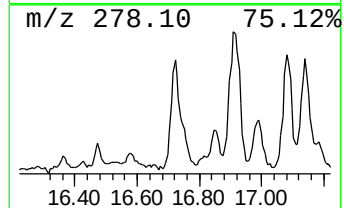
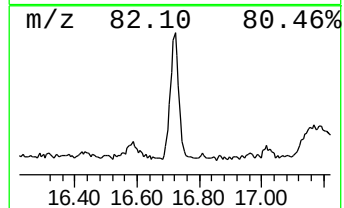
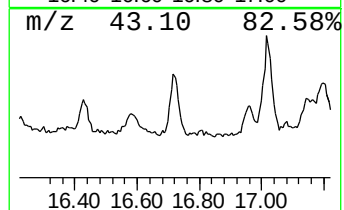
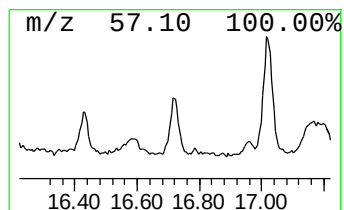
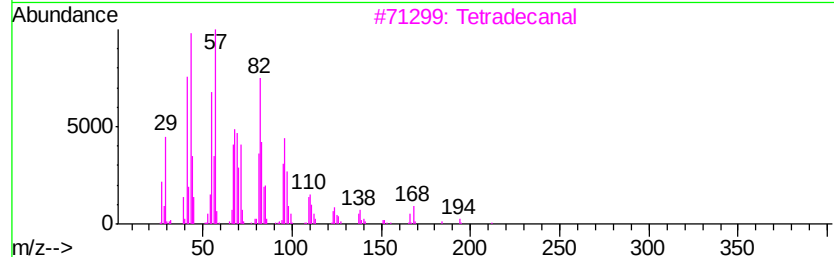
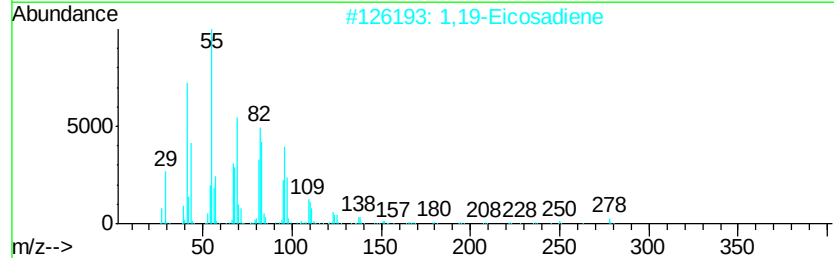
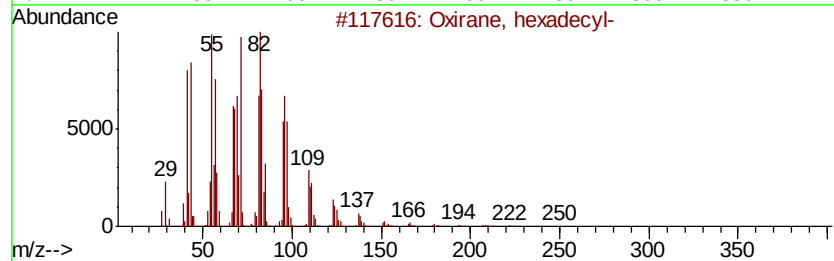
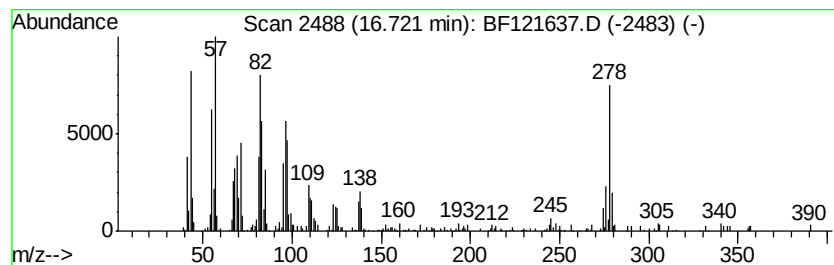
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Oxirane, hexadecyl- Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.72 | 6.72 ng | 315315 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Oxirane, hexadecyl-       | 268 | C18H36O  | 007390-81-0 | 55   |
| 2    |    | 1,19-Eicosadiene          | 278 | C20H38   | 014811-95-1 | 49   |
| 3    |    | Tetradecanal              | 212 | C14H28O  | 000124-25-4 | 45   |
| 4    |    | Oxirane, heptadecyl-      | 282 | C19H38O  | 067860-04-2 | 41   |
| 5    |    | (Z)-14-Tricosenyl formate | 366 | C24H46O2 | 077899-10-6 | 41   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
 Data File : BF121637.D  
 Acq On : 21 Sep 2020 20:40  
 Operator : JU/CG  
 Sample : L4091-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

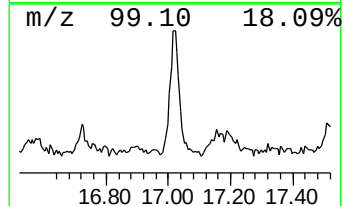
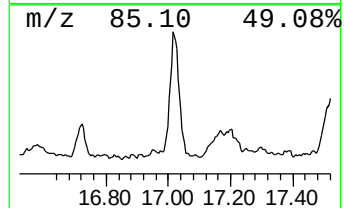
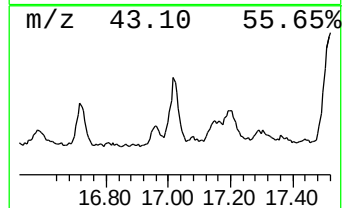
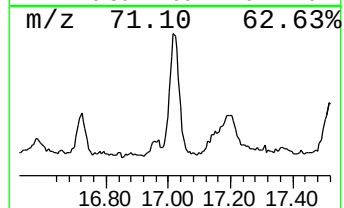
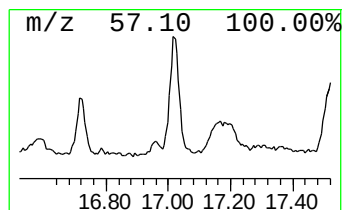
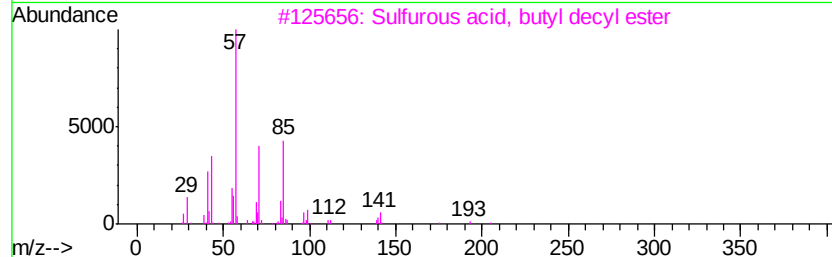
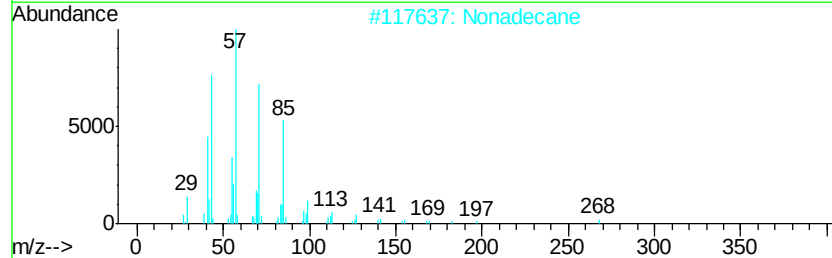
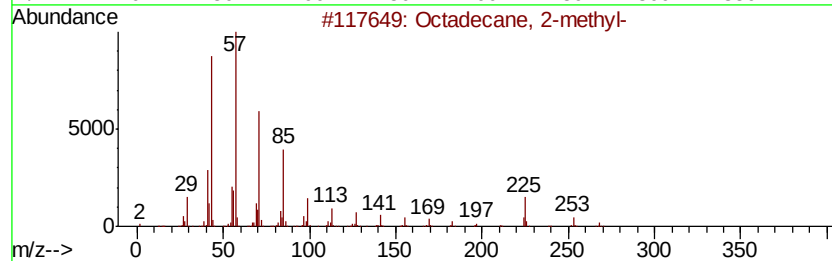
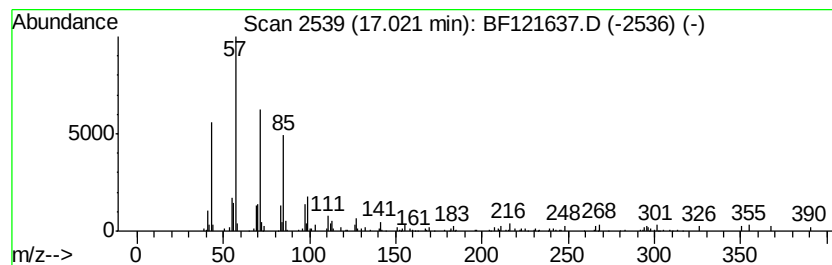
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 17 Octadecane, 2-methyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.02 | 4.65 ng | 217883 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Octadecane, 2-methyl-             | 268 | C19H40    | 001560-88-9  | 87   |
| 2    |    | Nonadecane                        | 268 | C19H40    | 000629-92-5  | 87   |
| 3    |    | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 80   |
| 4    |    | Tricosane                         | 324 | C23H48    | 000638-67-5  | 74   |
| 5    |    | Tetratetracontane                 | 619 | C44H90    | 007098-22-8  | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

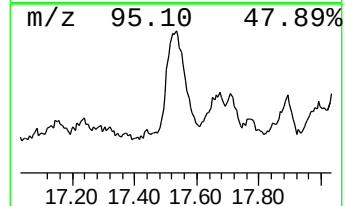
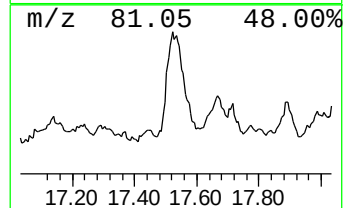
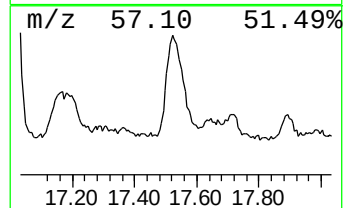
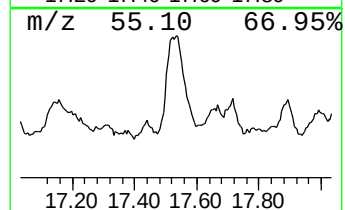
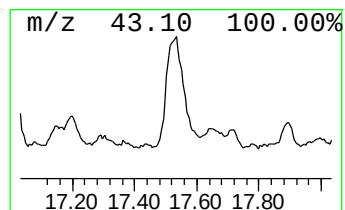
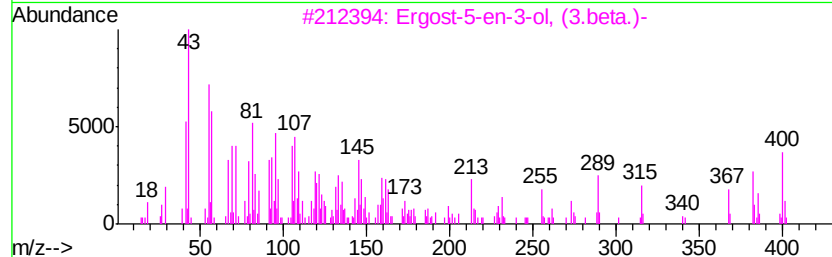
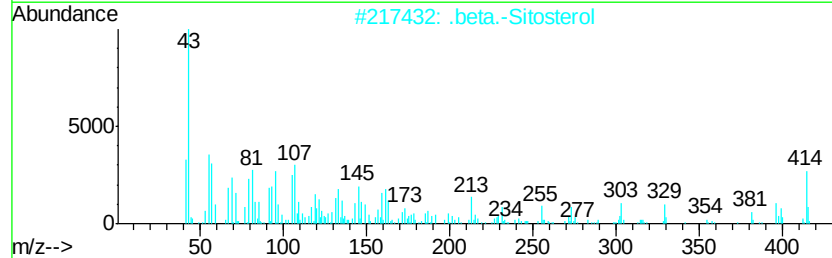
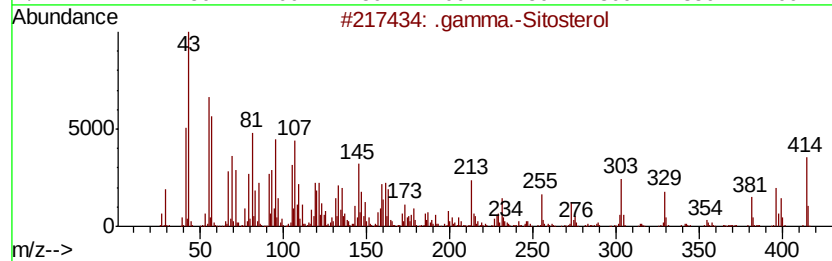
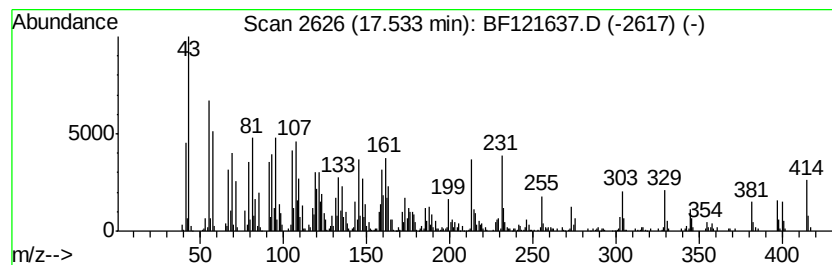
Instrument :  
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 .gamma.-Sitosterol Concentration Rank 1

| R.T.    | EstConc  | Area                         | Relative to ISTD | R.T.           |
|---------|----------|------------------------------|------------------|----------------|
| 17.53   | 49.46 ng | 2318940                      | Perylene-d12     | 15.46          |
| Hit# of | 5        | Tentative ID                 | MW MolForm       | CAS# Qual      |
| 1       |          | .gamma.-Sitosterol           | 414 C29H50O      | 000083-47-6 99 |
| 2       |          | .beta.-Sitosterol            | 414 C29H50O      | 000083-46-5 99 |
| 3       |          | Ergost-5-en-3-ol, (3.beta.)- | 400 C28H48O      | 004651-51-8 49 |
| 4       |          | Ergost-7-en-3-ol             | 400 C28H48O      | 116179-22-7 47 |
| 5       |          | Campesterol                  | 400 C28H48O      | 000474-62-4 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

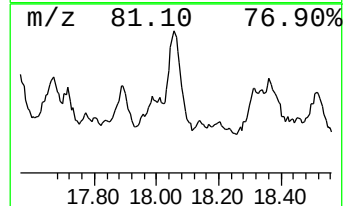
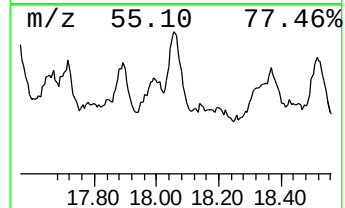
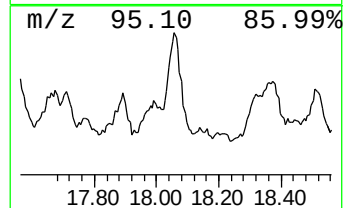
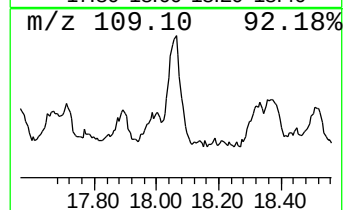
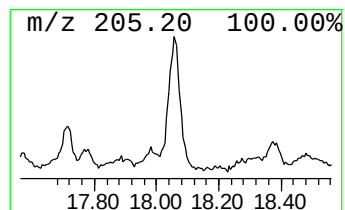
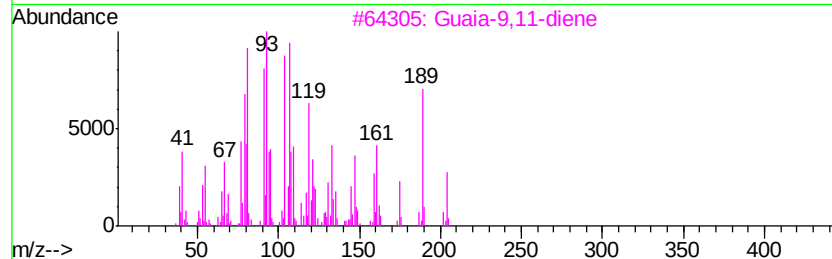
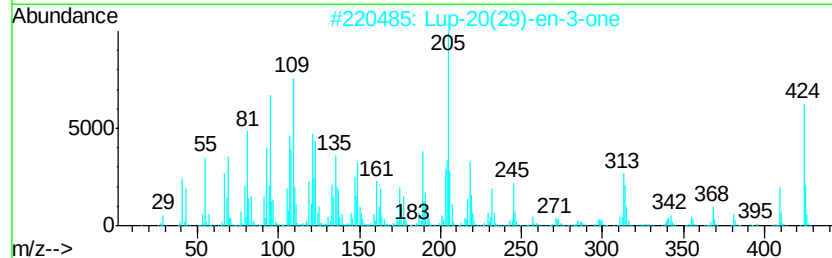
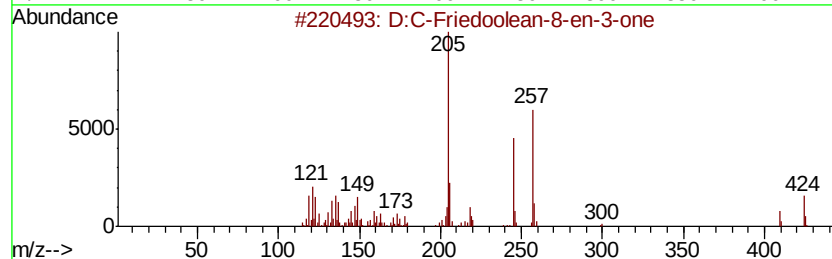
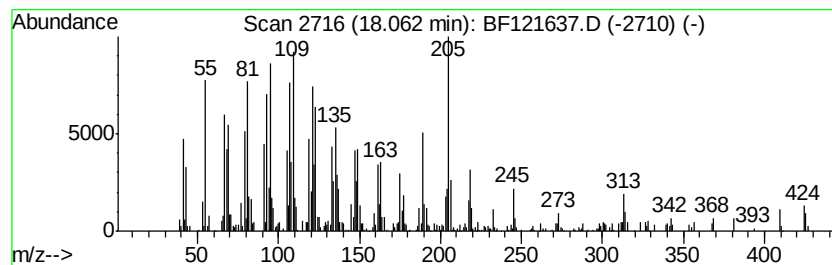
Instrument :  
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 D:C-Friedoolean-8-en-3-one Concentration Rank 5

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.    |              |      |
|---------|----------|-------------------------------------|------------------|---------|--------------|------|
| 18.06   | 21.49 ng | 1007420                             | Perylene-d12     | 15.46   |              |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm | CAS#         | Qual |
| 1       |          | D:C-Friedoolean-8-en-3-one          | 424              | C30H48O | 022611-26-3  | 90   |
| 2       |          | Lup-20(29)-en-3-one                 | 424              | C30H48O | 001617-70-5  | 83   |
| 3       |          | Guaia-9,11-diene                    | 204              | C15H24  | 1000374-19-8 | 51   |
| 4       |          | But-3-enal, 2-methyl-4-(2,6,6-tr... | 206              | C14H22O | 104900-59-6  | 46   |
| 5       |          | 1-Isopropenyl-3-propenylcyclopen... | 150              | C11H18  | 1000192-81-2 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\  
Data File : BF121637.D  
Acq On : 21 Sep 2020 20:40  
Operator : JU/CG  
Sample : L4091-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

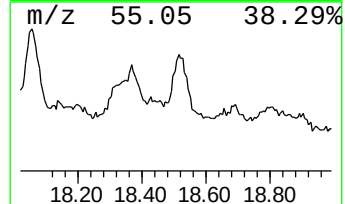
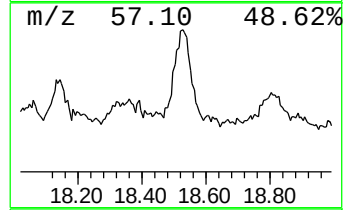
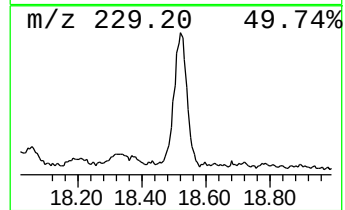
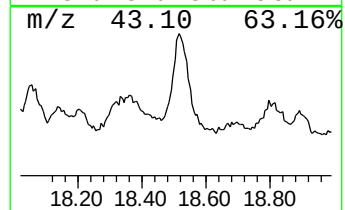
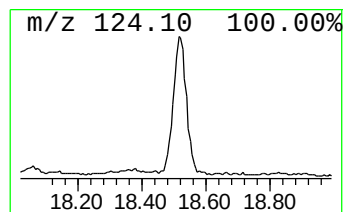
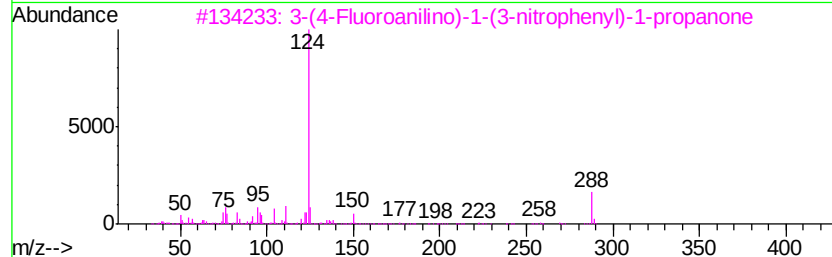
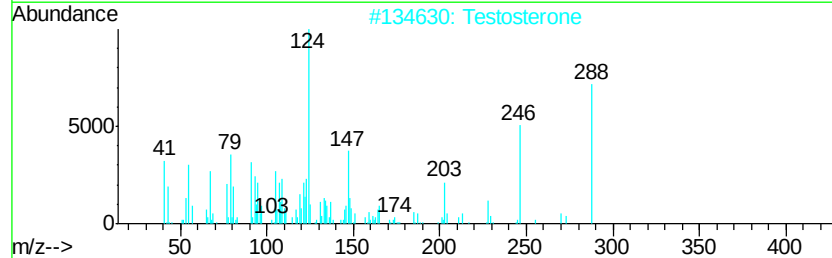
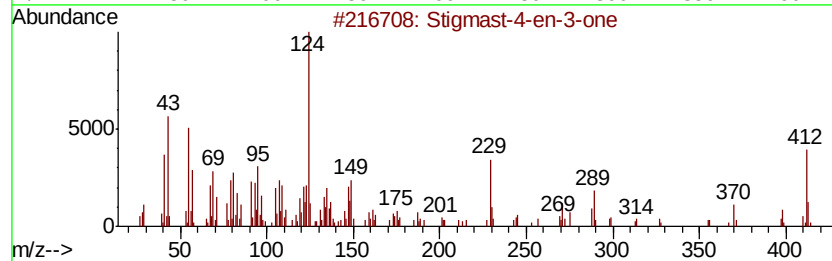
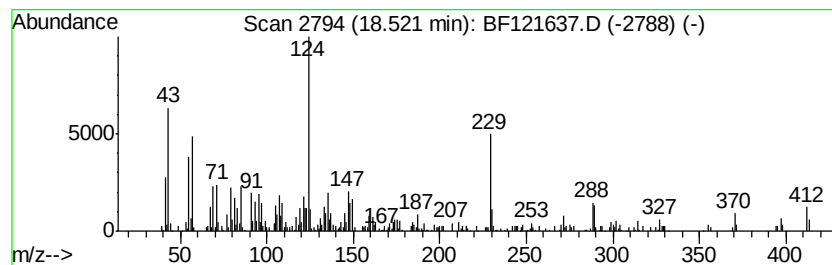
Instrument :  
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ClientSampleId :  
CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Stigmast-4-en-3-one Concentration Rank 6

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------------|------------------|----------------|
| 18.52   | 19.73 ng | 925149                              | Perylene-d12     | 15.46          |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |          | Stigmast-4-en-3-one                 | 412 C29H48O      | 001058-61-3 55 |
| 2       |          | Testosterone                        | 288 C19H28O2     | 000058-22-0 45 |
| 3       |          | 3-(4-Fluoroanilino)-1-(3-nitroph... | 288 C15H13FN2O3  | 350039-84-8 35 |
| 4       |          | Androst-4-en-3-one, 17-hydroxy-,... | 288 C19H28O2     | 000604-39-7 35 |
| 5       |          | 2-Methyl-4,5-pyrimidinediamine      | 124 C5H8N4       | 015579-63-2 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092120\  
 Data File : BF121637.D  
 Acq On : 21 Sep 2020 20:40  
 Operator : JU/CG  
 Sample : L4091-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CARLSTADT-TOPSOIL-2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091020.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 |
| n-Hexadecanoic acid  | 11.89 | 13.3    | ng    | 897164   | 4                     | 11.35 | 1345230 | 20.0 |
| Octadecanoic acid    | 12.68 | 40.5    | ng    | 2771700  | 5                     | 13.99 | 1368100 | 20.0 |
| 1,3-Benzenediol, ... | 13.49 | 2.9     | ng    | 199656   | 5                     | 13.99 | 1368100 | 20.0 |
| 5-Eicosene, (E)-     | 13.85 | 13.5    | ng    | 921548   | 5                     | 13.99 | 1368100 | 20.0 |
| Heptadecane          | 14.46 | 3.4     | ng    | 229006   | 5                     | 13.99 | 1368100 | 20.0 |
| 1-Octadecanol        | 14.50 | 3.5     | ng    | 240501   | 5                     | 13.99 | 1368100 | 20.0 |
| Supraene             | 14.84 | 4.0     | ng    | 188007   | 6                     | 15.46 | 937786  | 20.0 |
| Docosane             | 15.11 | 24.5    | ng    | 1149740  | 6                     | 15.46 | 937786  | 20.0 |
| 9-Tricosene, (Z)-    | 15.17 | 5.5     | ng    | 259719   | 6                     | 15.46 | 937786  | 20.0 |
| Benzo[e]pyrene       | 15.33 | 6.1     | ng    | 284148   | 6                     | 15.46 | 937786  | 20.0 |
| Octadecanal          | 15.69 | 5.1     | ng    | 241179   | 6                     | 15.46 | 937786  | 20.0 |
| .gamma.-Tocopherol   | 15.82 | 11.1    | ng    | 518086   | 6                     | 15.46 | 937786  | 20.0 |
| Docosane, 11-butyl-  | 15.92 | 26.9    | ng    | 1262040  | 6                     | 15.46 | 937786  | 20.0 |
| 2-Methyl-2-docosene  | 16.00 | 4.5     | ng    | 208599   | 6                     | 15.46 | 937786  | 20.0 |
| dl-.alpha.-Tocoph... | 16.19 | 13.4    | ng    | 630752   | 6                     | 15.46 | 937786  | 20.0 |
| Oxirane, hexadecyl-  | 16.72 | 6.7     | ng    | 315315   | 6                     | 15.46 | 937786  | 20.0 |
| Octadecane, 2-met... | 17.02 | 4.7     | ng    | 217883   | 6                     | 15.46 | 937786  | 20.0 |
| .gamma.-Sitosterol   | 17.53 | 49.5    | ng    | 2318940  | 6                     | 15.46 | 937786  | 20.0 |
| D:C-Friedoolean-8... | 18.06 | 21.5    | ng    | 1007420  | 6                     | 15.46 | 937786  | 20.0 |
| Stigmast-4-en-3-one  | 18.52 | 19.7    | ng    | 925149   | 6                     | 15.46 | 937786  | 20.0 |