

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100717\  
 Data File : BF099186.D  
 Acq On : 7 Oct 2017 11:26  
 Operator : SJ/JU  
 Sample : I5586-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G72-0-1

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-BF092317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.158       | 8             | 12          | 29           | rVB      | 164662         | 229570        | 5.90%           | 0.635%        |
| 2         | 3.463       | 232           | 234         | 251          | rBV2     | 12977          | 46798         | 1.20%           | 0.130%        |
| 3         | 5.093       | 507           | 511         | 523          | rVB      | 434765         | 635309        | 16.33%          | 1.758%        |
| 4         | 5.493       | 574           | 579         | 582          | rBV      | 2996725        | 3180565       | 81.76%          | 8.801%        |
| 5         | 6.504       | 740           | 751         | 754          | rBV      | 2849337        | 3391703       | 87.19%          | 9.386%        |
| 6         | 6.640       | 769           | 774         | 777          | rBV      | 3269119        | 3313773       | 85.19%          | 9.170%        |
| 7         | 6.863       | 808           | 812         | 816          | rBV      | 976464         | 786297        | 20.21%          | 2.176%        |
| 8         | 6.922       | 818           | 822         | 827          | rBV      | 53251          | 51347         | 1.32%           | 0.142%        |
| 9         | 7.022       | 834           | 839         | 842          | rBV      | 2944469        | 2674760       | 68.76%          | 7.402%        |
| 10        | 7.428       | 902           | 908         | 911          | rBV      | 1929955        | 2200067       | 56.56%          | 6.088%        |
| 11        | 7.516       | 917           | 923         | 928          | rVB      | 35239          | 47530         | 1.22%           | 0.132%        |
| 12        | 8.145       | 1026          | 1030        | 1033         | rBV      | 1280709        | 1066422       | 27.41%          | 2.951%        |
| 13        | 9.222       | 1207          | 1213        | 1216         | rBV      | 3974292        | 3890072       | 100.00%         | 10.765%       |
| 14        | 9.486       | 1253          | 1258        | 1261         | rBV2     | 72291          | 56943         | 1.46%           | 0.158%        |
| 15        | 9.610       | 1275          | 1279        | 1282         | rVB      | 630664         | 484813        | 12.46%          | 1.342%        |
| 16        | 9.898       | 1321          | 1328        | 1332         | rBV      | 1345765        | 1168772       | 30.04%          | 3.234%        |
| 17        | 10.098      | 1356          | 1362        | 1366         | rBV4     | 40261          | 67055         | 1.72%           | 0.186%        |
| 18        | 10.322      | 1397          | 1400        | 1402         | rVB2     | 62843          | 59006         | 1.52%           | 0.163%        |
| 19        | 10.533      | 1429          | 1436        | 1439         | rBV3     | 31560          | 54241         | 1.39%           | 0.150%        |
| 20        | 10.692      | 1455          | 1463        | 1466         | rBV      | 2013738        | 2036929       | 52.36%          | 5.637%        |
| 21        | 10.792      | 1477          | 1480        | 1486         | rBV      | 81737          | 91325         | 2.35%           | 0.253%        |
| 22        | 11.039      | 1517          | 1522        | 1527         | rVB3     | 32494          | 47826         | 1.23%           | 0.132%        |
| 23        | 11.239      | 1552          | 1556        | 1558         | rBV2     | 63386          | 53082         | 1.36%           | 0.147%        |
| 24        | 11.269      | 1558          | 1561        | 1567         | rVB3     | 21954          | 40082         | 1.03%           | 0.111%        |
| 25        | 11.386      | 1577          | 1581        | 1583         | rBV      | 1238109        | 1065655       | 27.39%          | 2.949%        |
| 26        | 11.410      | 1583          | 1585        | 1588         | rVV      | 294257         | 232644        | 5.98%           | 0.644%        |
| 27        | 11.457      | 1588          | 1593        | 1596         | rVB2     | 54071          | 67237         | 1.73%           | 0.186%        |
| 28        | 11.592      | 1613          | 1616        | 1618         | rBV      | 92256          | 88297         | 2.27%           | 0.244%        |
| 29        | 11.663      | 1626          | 1628        | 1634         | rVB2     | 35695          | 40198         | 1.03%           | 0.111%        |
| 30        | 11.904      | 1661          | 1669        | 1674         | rBV3     | 369582         | 504636        | 12.97%          | 1.396%        |
| 31        | 11.998      | 1682          | 1685        | 1687         | rBV2     | 41764          | 45330         | 1.17%           | 0.125%        |
| 32        | 12.210      | 1718          | 1721        | 1726         | rVB6     | 29085          | 44622         | 1.15%           | 0.123%        |
| 33        | 12.522      | 1771          | 1774        | 1778         | rBV      | 47404          | 44527         | 1.14%           | 0.123%        |
| 34        | 12.598      | 1783          | 1787        | 1792         | rBV      | 345483         | 322956        | 8.30%           | 0.894%        |

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.686 | 1799 | 1802 | 1809 | rBV2 | 92758   | 93072   | 2.39%  | 0.258% |
| 36 | 12.827 | 1820 | 1826 | 1828 | rBV  | 260341  | 269075  | 6.92%  | 0.745% |
| 37 | 12.851 | 1828 | 1830 | 1841 | rVB  | 393032  | 439438  | 11.30% | 1.216% |
| 38 | 12.969 | 1845 | 1850 | 1854 | rVV  | 2720061 | 2895738 | 74.44% | 8.013% |
| 39 | 13.157 | 1879 | 1882 | 1885 | rVB3 | 35535   | 45245   | 1.16%  | 0.125% |
| 40 | 13.439 | 1925 | 1930 | 1938 | rVB  | 648481  | 691695  | 17.78% | 1.914% |
| 41 | 13.851 | 1997 | 2000 | 2007 | rVB2 | 304070  | 319176  | 8.20%  | 0.883% |
| 42 | 14.022 | 2025 | 2029 | 2032 | rBV  | 756210  | 775267  | 19.93% | 2.145% |
| 43 | 14.051 | 2032 | 2034 | 2040 | rVB  | 108319  | 107549  | 2.76%  | 0.298% |
| 44 | 14.480 | 2104 | 2107 | 2113 | rBV3 | 94050   | 143425  | 3.69%  | 0.397% |
| 45 | 14.645 | 2129 | 2135 | 2147 | rBV4 | 193258  | 415002  | 10.67% | 1.148% |
| 46 | 15.063 | 2203 | 2206 | 2210 | rBV  | 99654   | 152733  | 3.93%  | 0.423% |
| 47 | 15.368 | 2255 | 2258 | 2264 | rBV  | 58899   | 74750   | 1.92%  | 0.207% |
| 48 | 15.433 | 2266 | 2269 | 2273 | rVB  | 77796   | 95223   | 2.45%  | 0.264% |
| 49 | 15.498 | 2275 | 2280 | 2284 | rBV  | 556019  | 670015  | 17.22% | 1.854% |
| 50 | 15.651 | 2302 | 2306 | 2315 | rVB2 | 116689  | 236440  | 6.08%  | 0.654% |
| 51 | 16.974 | 2527 | 2531 | 2537 | rBV2 | 37718   | 77054   | 1.98%  | 0.213% |
| 52 | 17.204 | 2564 | 2570 | 2579 | rVB4 | 115349  | 288163  | 7.41%  | 0.797% |
| 53 | 17.551 | 2624 | 2629 | 2639 | rVB8 | 74097   | 217569  | 5.59%  | 0.602% |

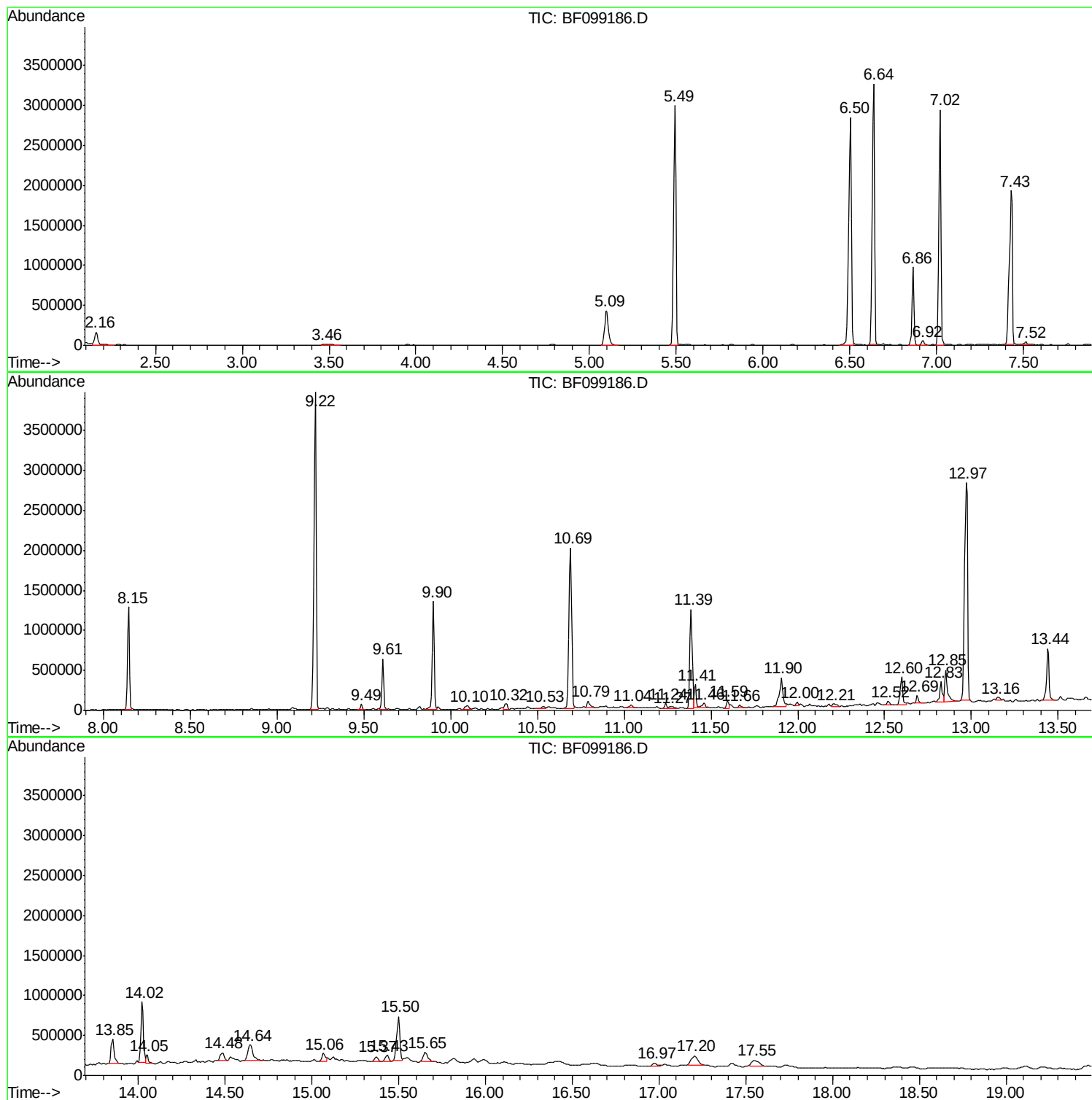
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Instrument :  
BNA\_F  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
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Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

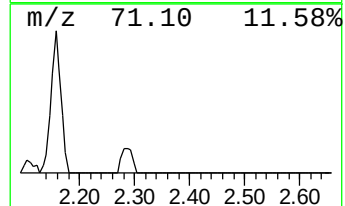
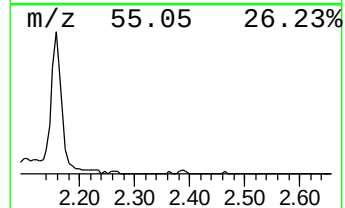
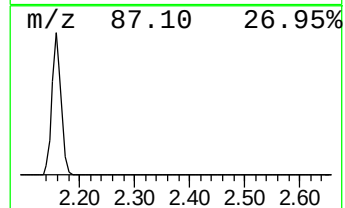
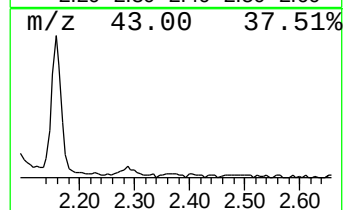
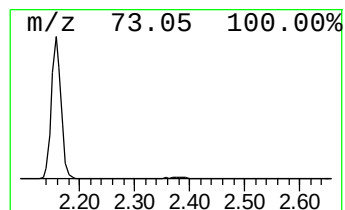
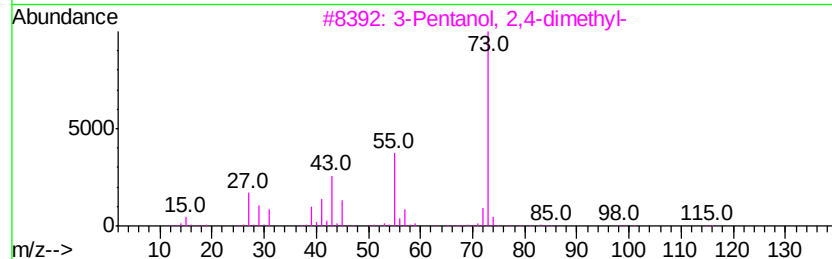
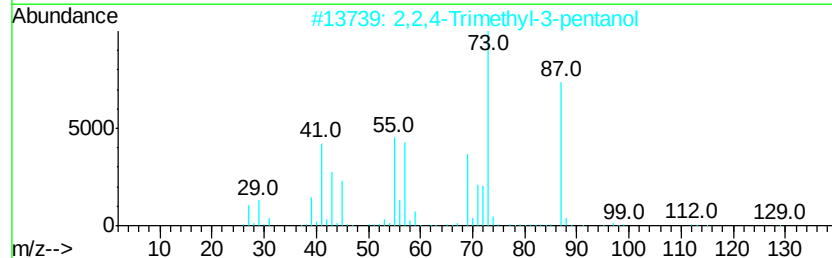
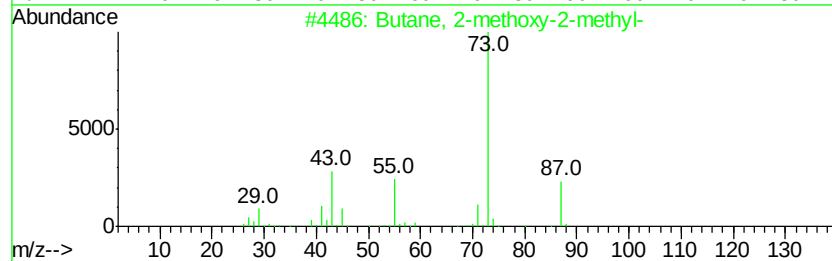
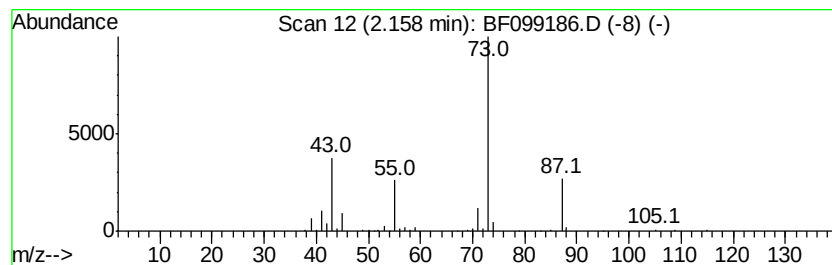
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.16 | 5.84 ng | 229570 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------|-----|---------|-------------|------|
| 1       |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2       |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3       |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 25   |
| 4       |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5       |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

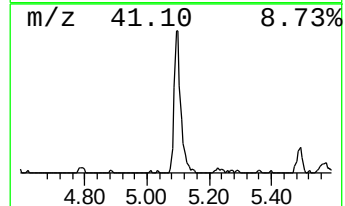
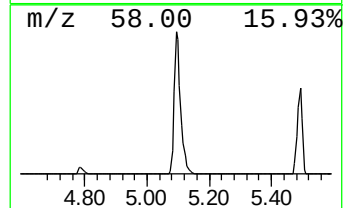
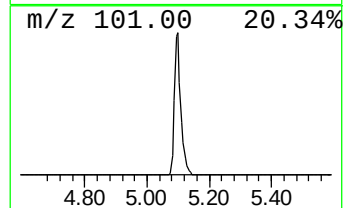
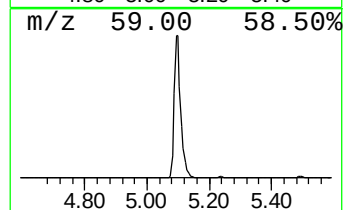
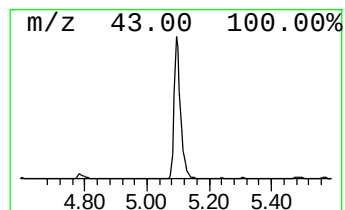
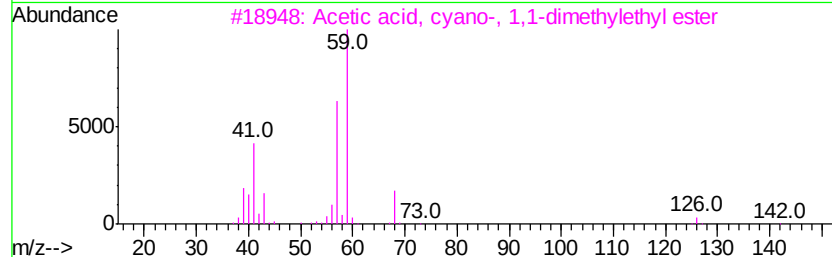
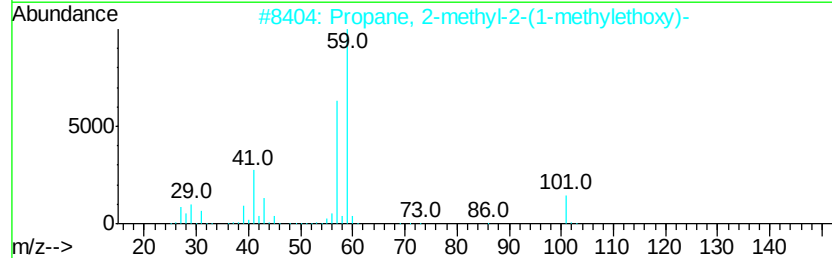
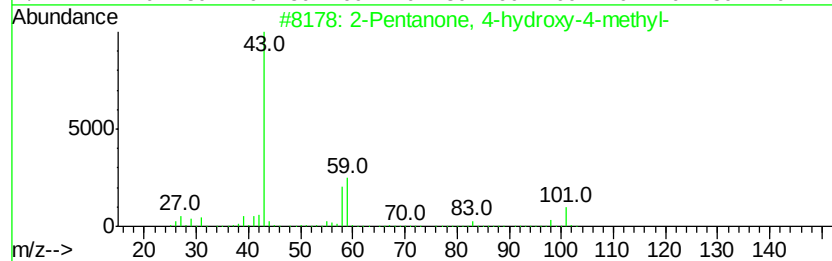
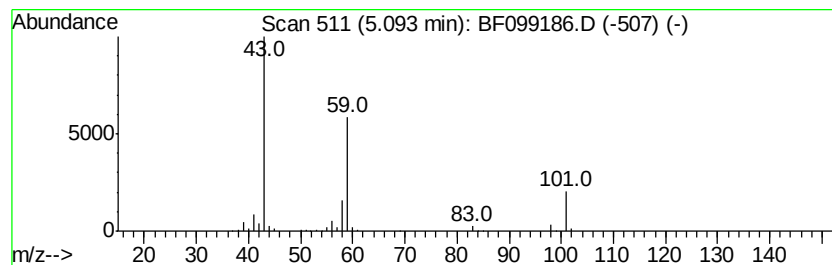
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.09 | 16.16 ng | 635309 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth...  | 116 | C7H16O   | 017348-59-3 | 28   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

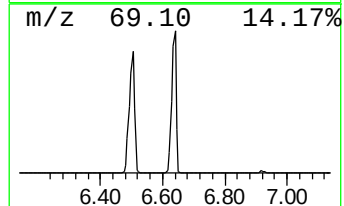
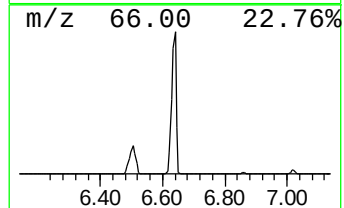
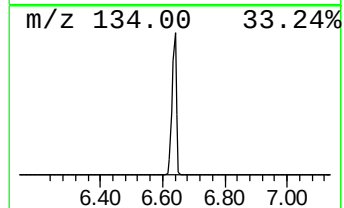
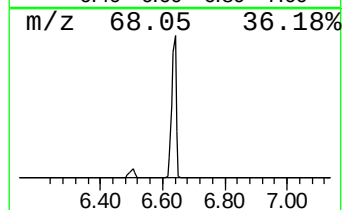
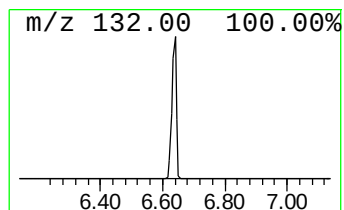
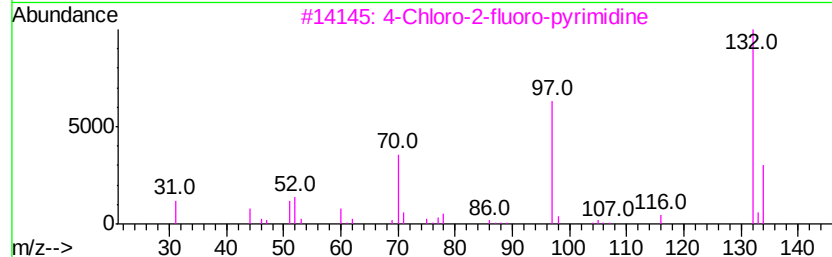
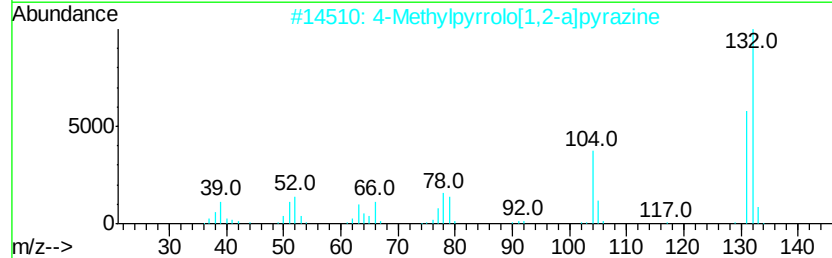
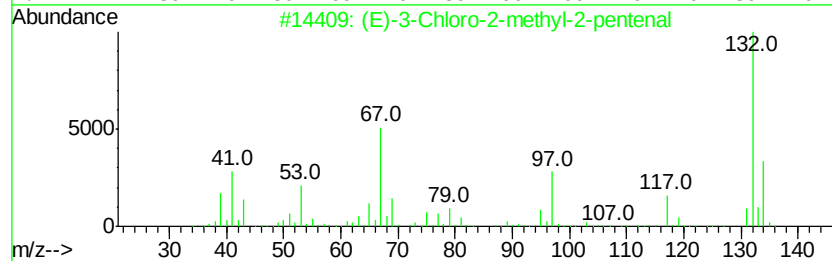
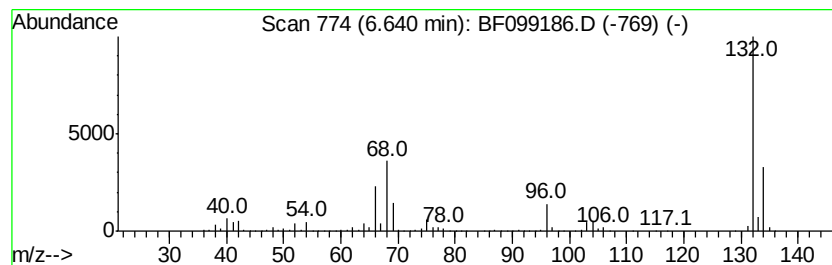
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 84.29 ng | 3313770 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3 | 17   |
| 2    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2 | 9    |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 9    |
| 5    |    | Xenon                               | 132 | Xe        | 007440-63-3 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

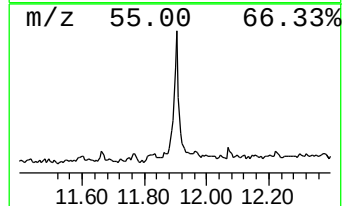
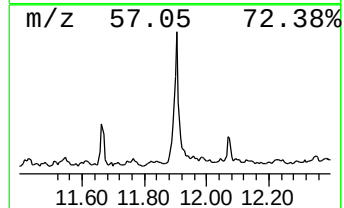
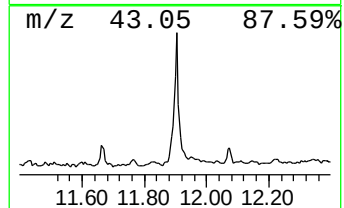
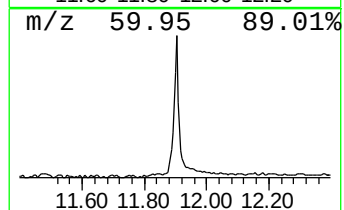
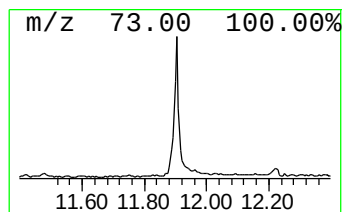
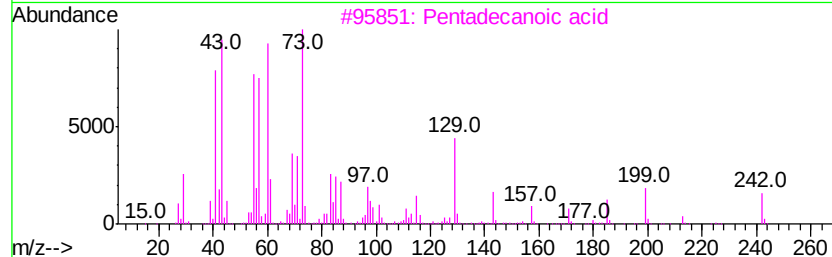
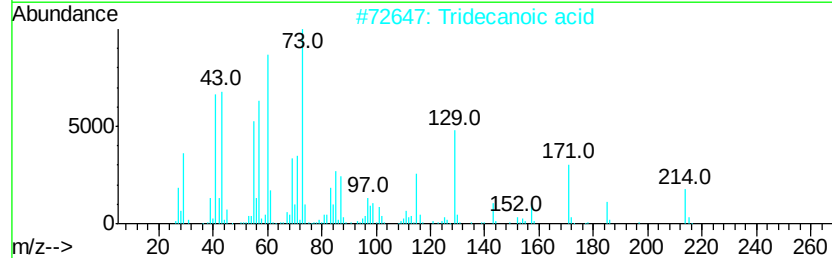
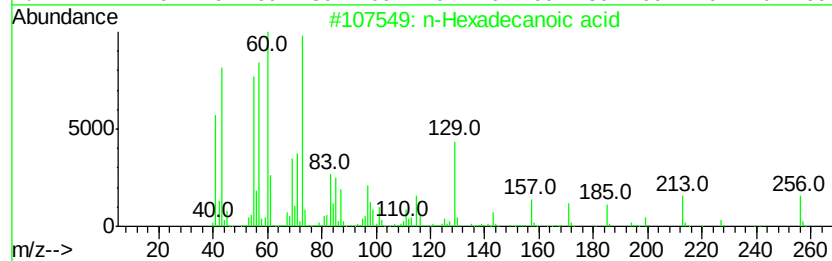
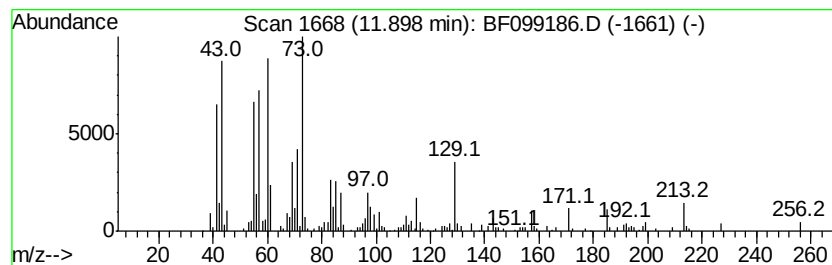
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.90 | 9.47 ng | 504636 | Phenanthrene-d10 | 11.39 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 95   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 91   |
| 5       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 76   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

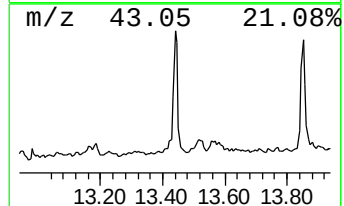
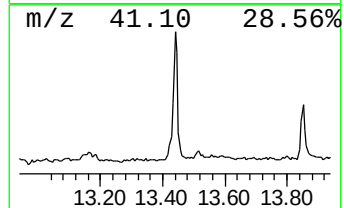
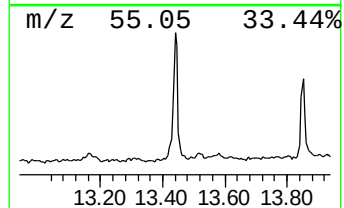
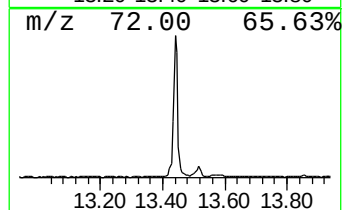
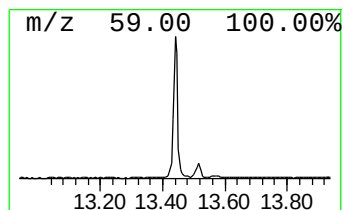
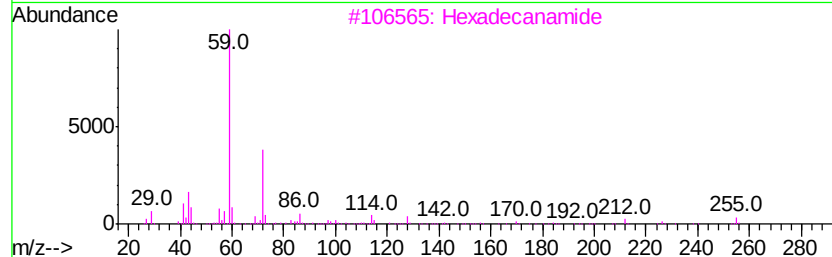
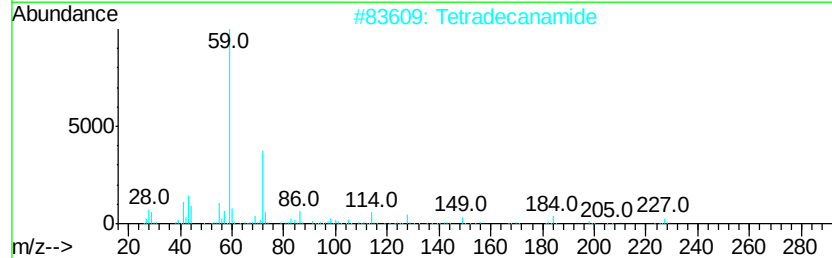
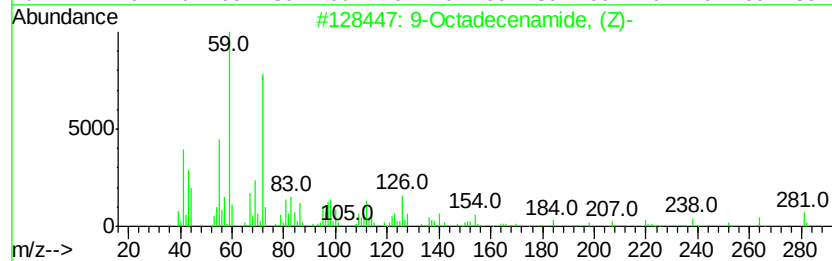
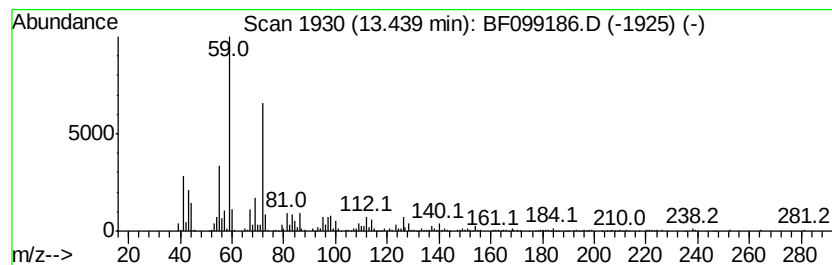
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ClientSampleId :  
G72-0-1

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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 6 9-Octadecenamide, (Z)- Concentration Rank 3

| R.T.      | EstConc                    | Area   | Relative to ISTD |              | R.T.  |
|-----------|----------------------------|--------|------------------|--------------|-------|
| 13.44     | 17.84 ng                   | 691695 | Chrysene-d12     |              | 14.02 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#         | Qual  |
| 1         | 9-Octadecenamide, (Z)-     | 281    | C18H35NO         | 000301-02-0  | 97    |
| 2         | Tetradecanamide            | 227    | C14H29NO         | 000638-58-4  | 64    |
| 3         | Hexadecanamide             | 255    | C16H33NO         | 000629-54-9  | 59    |
| 4         | Pentadecanamide, 15-bromo- | 319    | C15H30BrNO       | 1000163-86-1 | 59    |
| 5         | Nonanamide                 | 157    | C9H19NO          | 001120-07-6  | 53    |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
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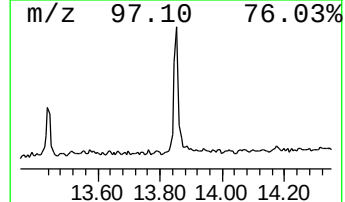
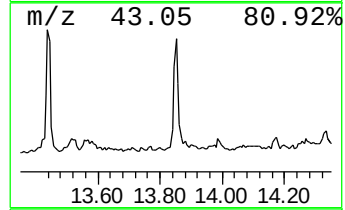
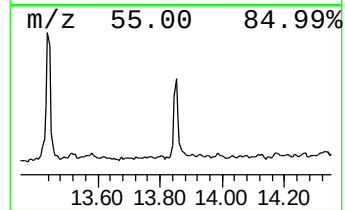
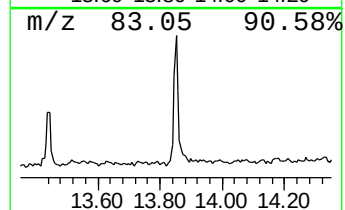
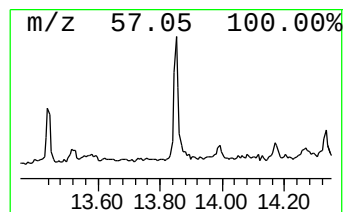
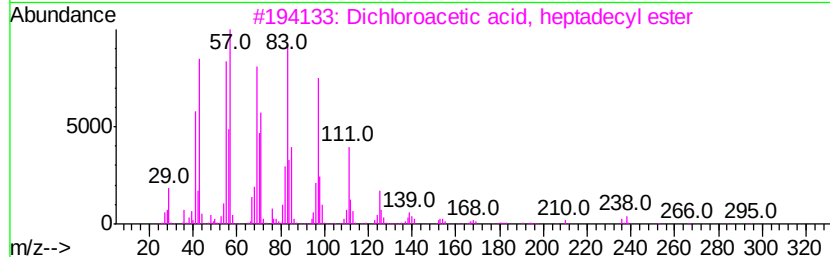
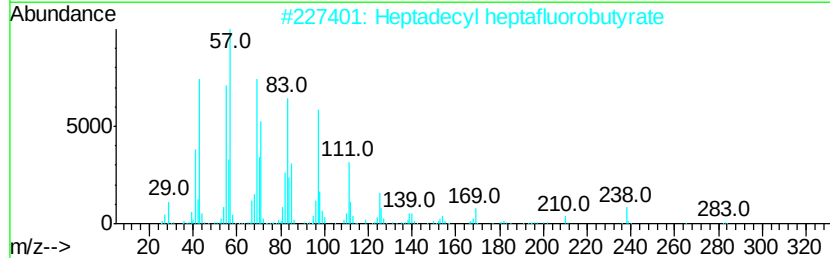
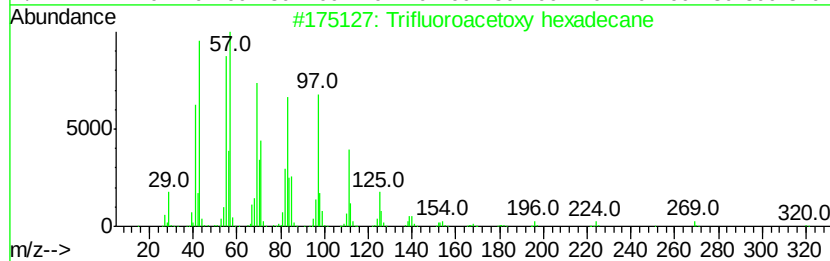
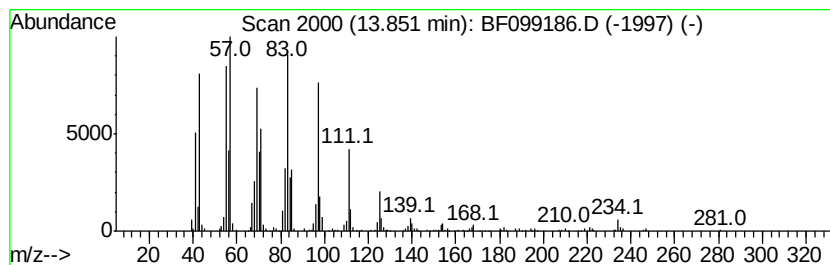
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ClientSampleId :  
G72-0-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Trifluoroacetoxy hexadecane Concentration Rank 8

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.85   | 8.23 ng | 319176                              | Chrysene-d12     | 14.02       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Trifluoroacetoxy hexadecane         | 338              | C18H33F3O2  | 006222-03-3  | 94   |
| 2       |         | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2  | 959085-66-6  | 94   |
| 3       |         | Dichloroacetic acid, heptadecyl ... | 366              | C19H36Cl2O2 | 1000282-98-2 | 94   |
| 4       |         | 1-Heneicosanol                      | 312              | C21H44O     | 015594-90-8  | 93   |
| 5       |         | Cyclopentadecane                    | 210              | C15H30      | 000295-48-7  | 93   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

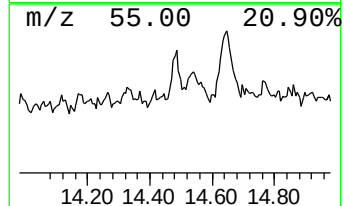
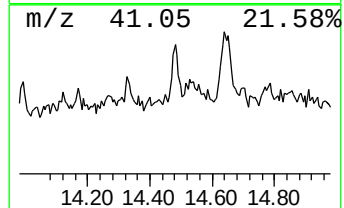
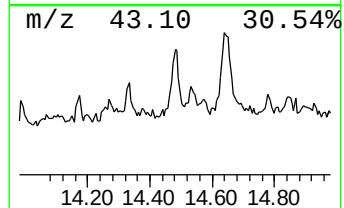
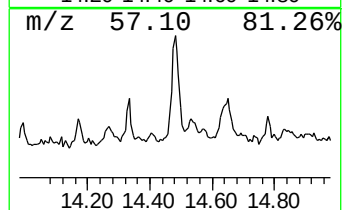
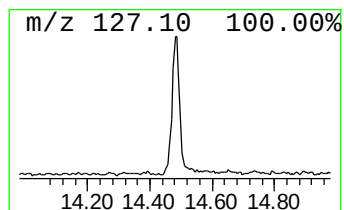
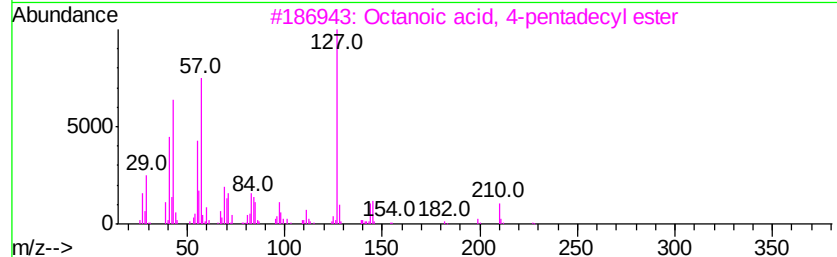
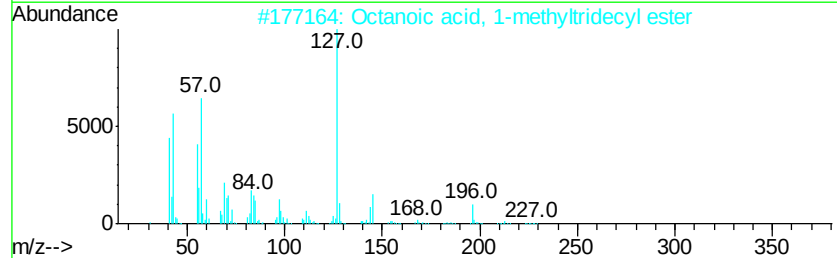
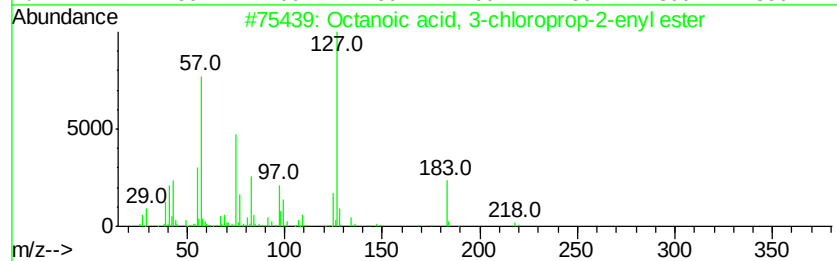
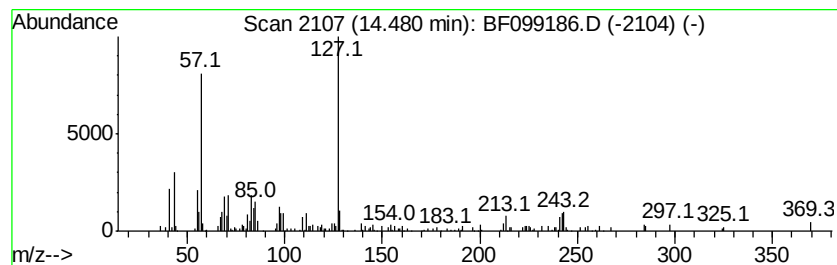
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Octanoic acid, 3-chloroprop... Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.48 | 3.70 ng | 143425 | Chrysene-d12     | 14.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octanoic acid, 3-chloroprop-2-en... | 218 | C11H19ClO2 | 1000299-35-0 | 53   |
| 2    |    | Octanoic acid, 1-methyltridecyl ... | 340 | C22H44O2   | 055193-79-8  | 53   |
| 3    |    | Octanoic acid, 4-pentadecyl ester   | 354 | C23H46O2   | 1000280-63-2 | 53   |
| 4    |    | 2-Hexene, 1,1-diethoxy-             | 172 | C10H20O2   | 054306-00-2  | 53   |
| 5    |    | 2-Hydroxy-4-hydroxylaminopyrimidine | 127 | C4H5N3O2   | 020555-88-8  | 52   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

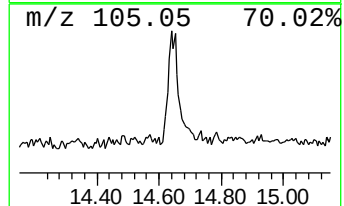
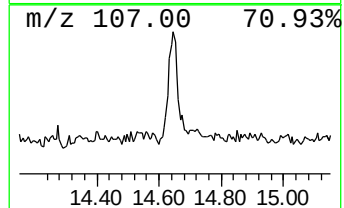
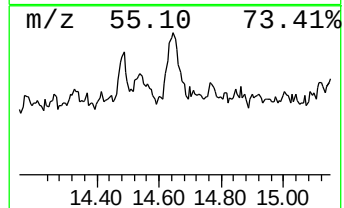
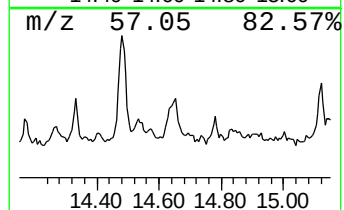
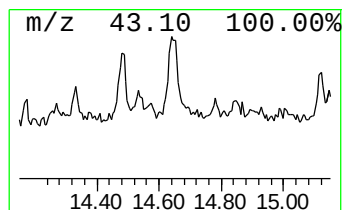
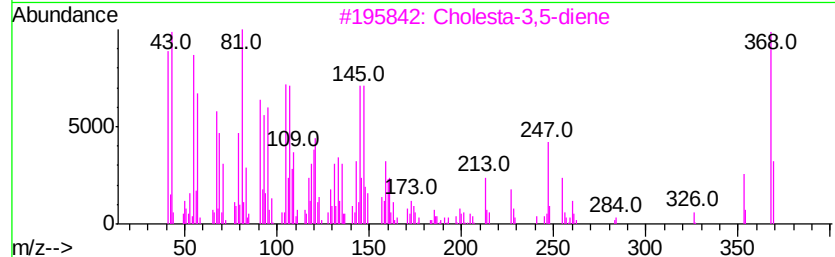
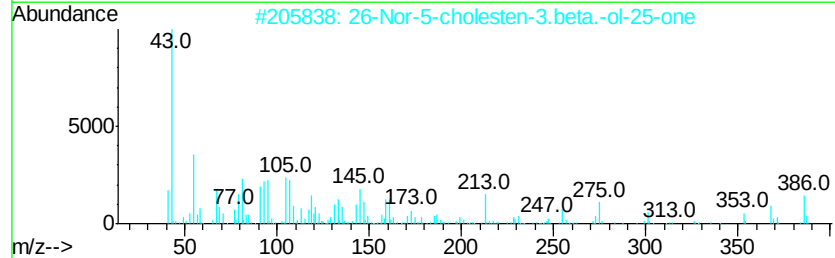
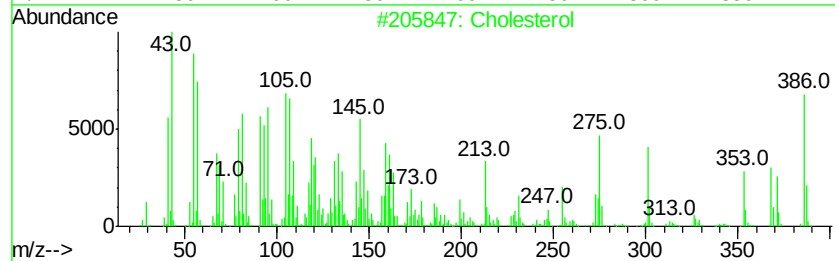
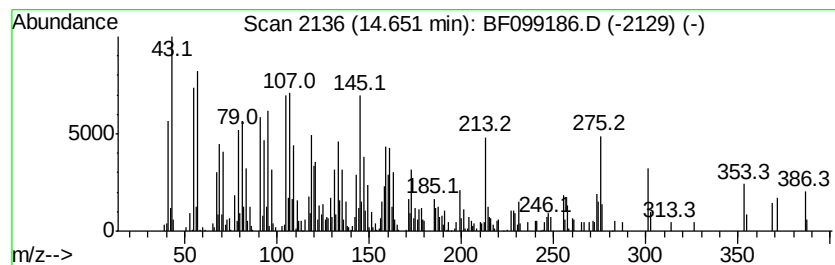
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Cholesterol Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 14.65     | 10.71 ng                            | 415002 | Chrysene-d12     | 14.02       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cholesterol                         | 386    | C27H46O          | 000057-88-5 | 99   |
| 2         | 26-Nor-5-cholesten-3.beta.-ol-25... | 386    | C26H42O2         | 007494-34-0 | 93   |
| 3         | Cholesta-3,5-diene                  | 368    | C27H44           | 000747-90-0 | 38   |
| 4         | Cholestane, 4,5-epoxy-, (4.alpha... | 386    | C27H46O          | 006079-19-2 | 25   |
| 5         | Bicyclo[5.2.0]nonane, 2-methylen... | 204    | C15H24           | 242794-76-9 | 25   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

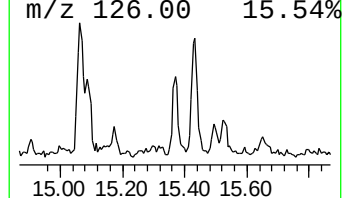
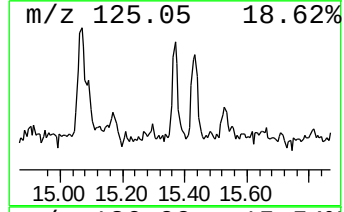
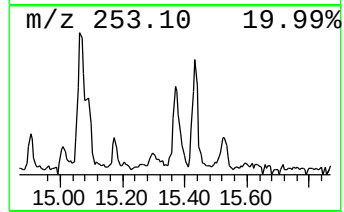
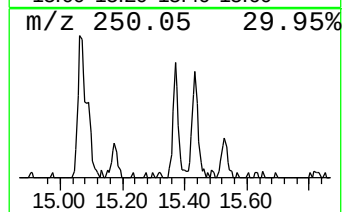
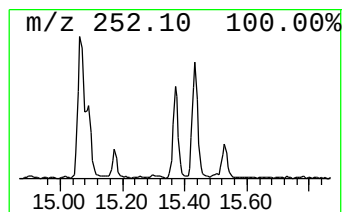
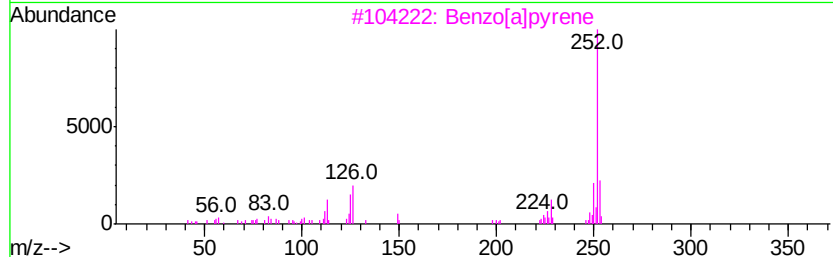
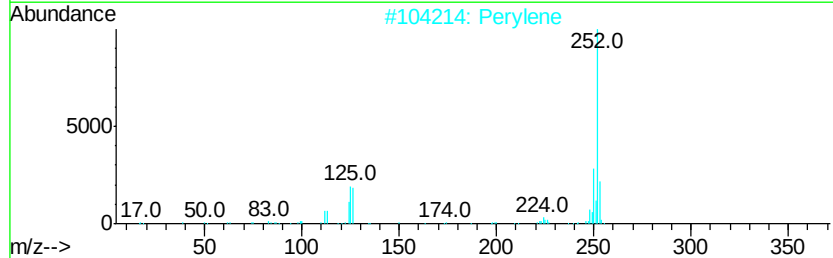
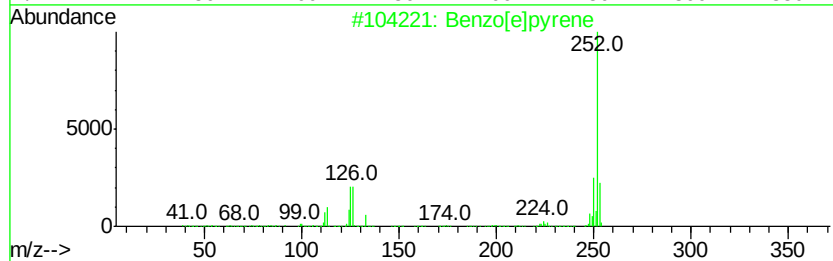
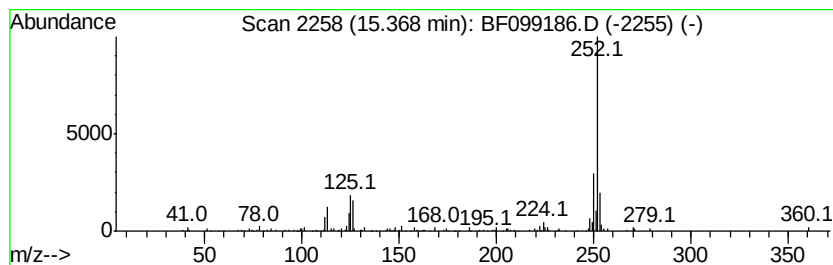
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzo[e]pyrene Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.37 | 2.23 ng | 74750 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene           | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    | Perylene                 | 252 | C20H12  | 000198-55-0 | 93   |
| 3    |    | Benzo[a]pyrene           | 252 | C20H12  | 000050-32-8 | 91   |
| 4    |    | Benzo[k]fluoranthene     | 252 | C20H12  | 000207-08-9 | 91   |
| 5    |    | Benz[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

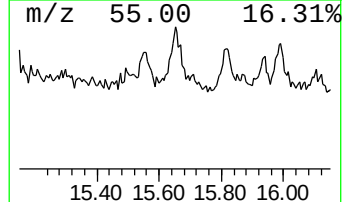
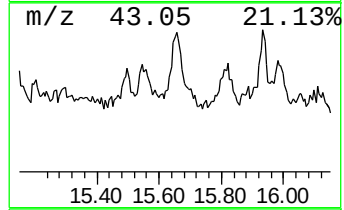
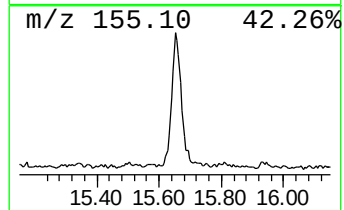
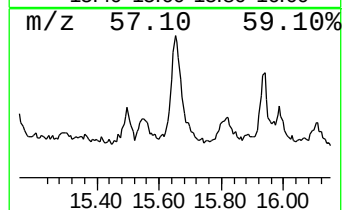
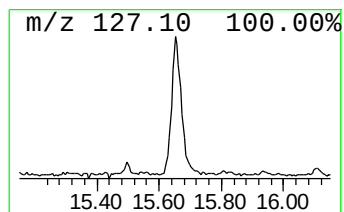
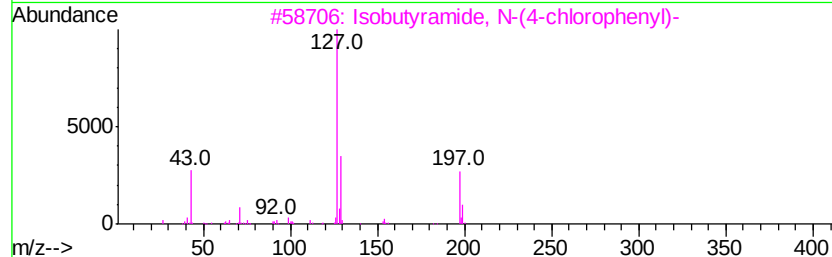
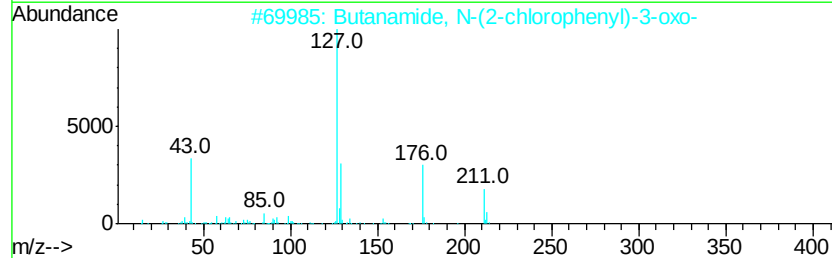
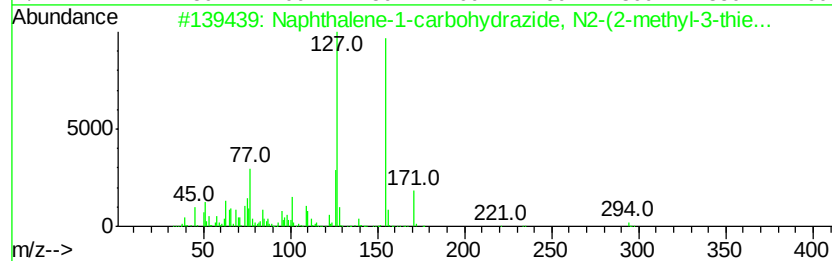
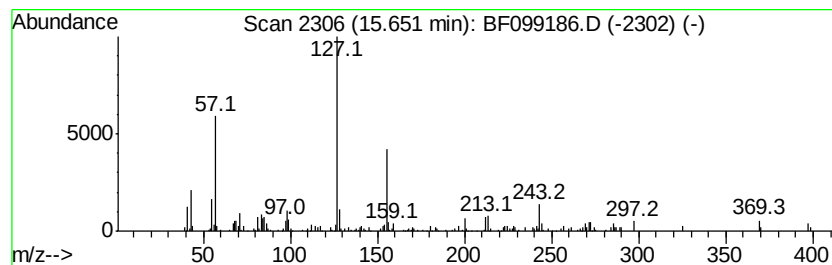
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown15.65 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.65 | 7.06 ng | 236440 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|-------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | Naphthalene-1-carbohydrazide, N2... | 294 | C17H14N2OS   | 1000263-63-0 | 45   |
| 2    |    | Butanamide, N-(2-chlorophenyl)-3... | 211 | C10H10ClN02  | 000093-70-9  | 38   |
| 3    |    | Isobutyramide, N-(4-chlorophenyl)-  | 197 | C10H12ClN0   | 1000339-96-3 | 35   |
| 4    |    | Urea, N-(4-chlorophenyl)-N'-[3-(... | 292 | C15H17ClN2O2 | 1000351-08-3 | 35   |
| 5    |    | Pentanamide, N-(3-chlorophenyl)-... | 245 | C11H13Cl2N0  | 1000307-36-0 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
Data File : BF099186.D  
Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

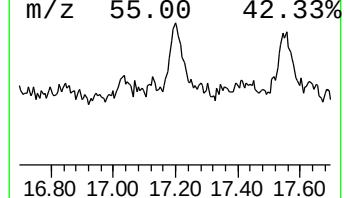
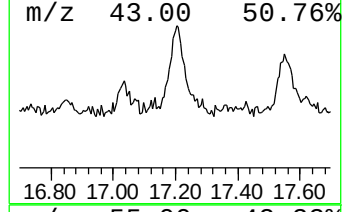
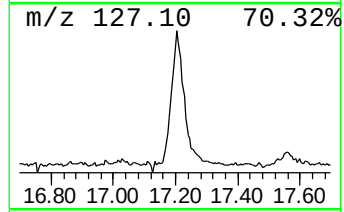
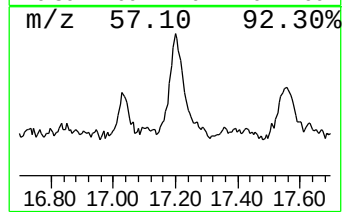
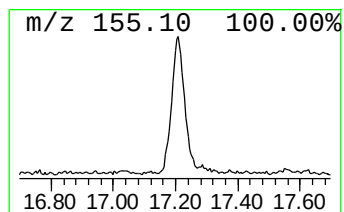
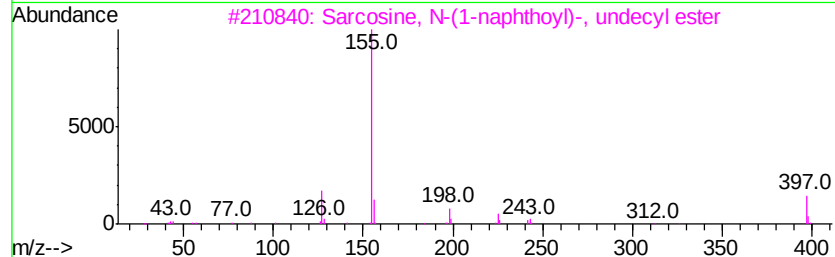
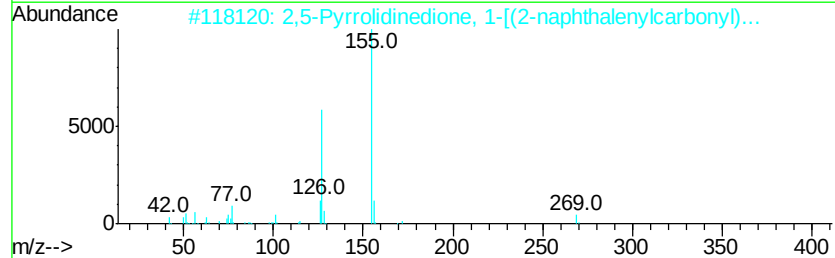
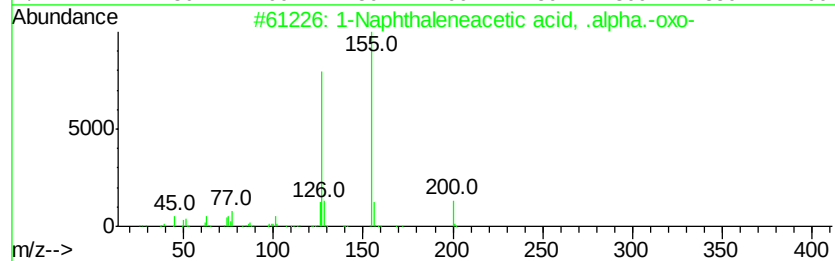
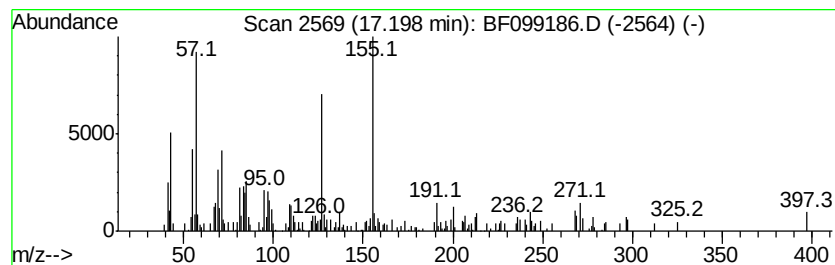
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 1-Naphthaleneacetic acid, .... Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.20 | 8.60 ng | 288163 | Perylene-d12     | 15.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Naphthaleneacetic acid, .alpha... | 200 | C12H8O3    | 026153-26-4  | 53   |
| 2    |    | 2,5-Pyrrolidinedione, 1-[(2-naph... | 269 | C15H11N04  | 056374-47-1  | 49   |
| 3    |    | Sarcosine, N-(1-naphthovl)-, und... | 397 | C25H35N03  | 1000321-40-9 | 43   |
| 4    |    | 5-Oxazolidinone, 2-(1,1-dimethyl... | 297 | C18H19N03  | 119215-56-4  | 43   |
| 5    |    | Fumaric acid, butyl 4-chloro3-me... | 296 | C15H17ClO4 | 1000344-86-6 | 38   |



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Acq On : 7 Oct 2017 11:26  
Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

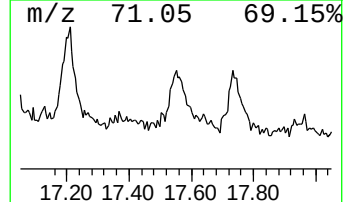
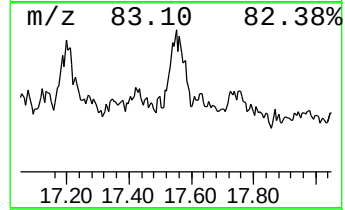
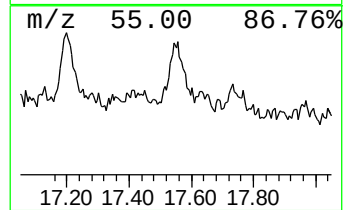
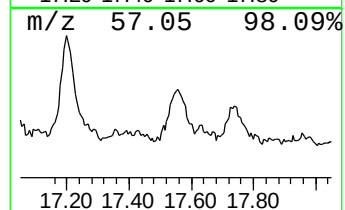
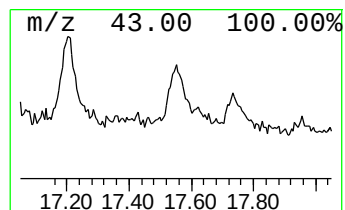
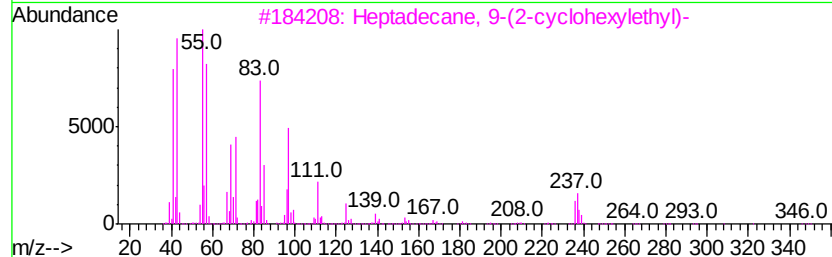
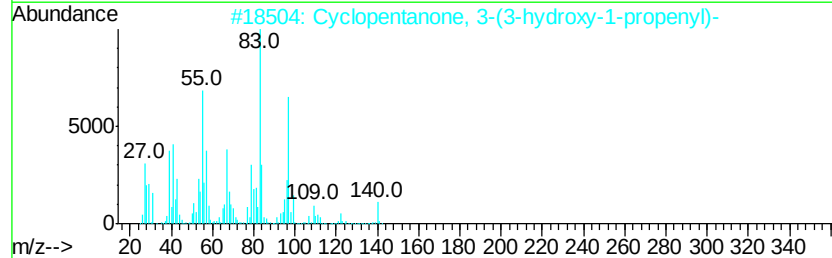
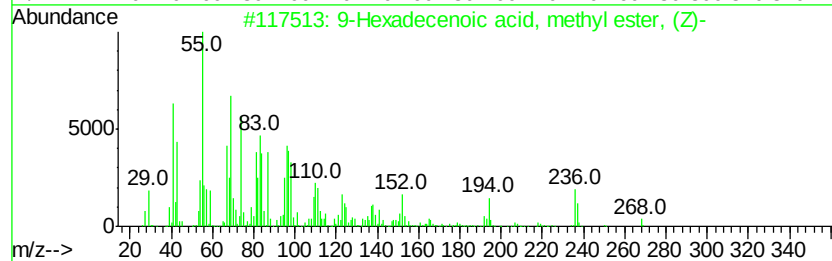
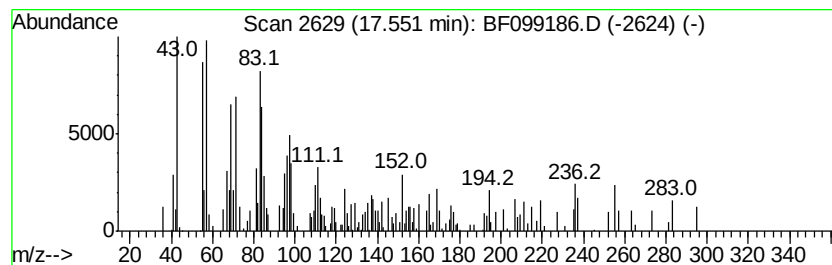
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown17.55 Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.55 | 6.49 ng | 217569 | Perylene-d12     | 15.50 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2    | 001120-25-8 | 49   |
| 2    |    |   | Cyclopentanone, 3-(3-hydroxy-1-p... | 140 | C8H12O2     | 074473-08-8 | 43   |
| 3    |    |   | Heptadecane, 9-(2-cyclohexylethyl)- | 350 | C25H50      | 025446-35-9 | 38   |
| 4    |    |   | Cyclohexane, (3-cyclopentylpropyl)- | 194 | C14H26      | 002883-07-0 | 38   |
| 5    |    |   | Trichloroacetic acid, dodecyl ester | 330 | C14H25Cl3O2 | 074339-50-7 | 38   |



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Data File : BF099186.D  
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Operator : SJ/JU  
Sample : I5586-01  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G72-0-1

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.16  | 5.8     | ng    | 229570   | 1                     | 6.86  | 786297  | 20.0 |
| 2-Pentanone, 4-hy... | 5.09  | 16.2    | ng    | 635309   | 1                     | 6.86  | 786297  | 20.0 |
| unknown6.64          | 6.64  | 84.3    | ng    | 3313770  | 1                     | 6.86  | 786297  | 20.0 |
| n-Hexadecanoic acid  | 11.90 | 9.5     | ng    | 504636   | 4                     | 11.39 | 1065660 | 20.0 |
| 9-Octadecenamide,... | 13.44 | 17.8    | ng    | 691695   | 5                     | 14.02 | 775267  | 20.0 |
| Trifluoroacetoxy ... | 13.85 | 8.2     | ng    | 319176   | 5                     | 14.02 | 775267  | 20.0 |
| Octanoic acid, 3-... | 14.48 | 3.7     | ng    | 143425   | 5                     | 14.02 | 775267  | 20.0 |
| Cholesterol          | 14.65 | 10.7    | ng    | 415002   | 5                     | 14.02 | 775267  | 20.0 |
| Benzo[e]pyrene       | 15.37 | 2.2     | ng    | 74750    | 6                     | 15.50 | 670015  | 20.0 |
| unknown15.65         | 15.65 | 7.1     | ng    | 236440   | 6                     | 15.50 | 670015  | 20.0 |
| 1-Naphthaleneacet... | 17.20 | 8.6     | ng    | 288163   | 6                     | 15.50 | 670015  | 20.0 |
| unknown17.55         | 17.55 | 6.5     | ng    | 217569   | 6                     | 15.50 | 670015  | 20.0 |