

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF110517\  
 Data File : BF100237.D  
 Acq On : 5 Nov 2017 21:13  
 Operator : SJ/JU  
 Sample : I6285-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P002-S003-0001-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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         | 4.987       | 490           | 493         | 517          | rBV      | 180740         | 333949        | 15.21%          | 1.780%        |
| 2         | 5.398       | 559           | 563         | 600          | rBV      | 1363608        | 2055027       | 93.60%          | 10.951%       |
| 3         | 6.422       | 734           | 737         | 754          | rBV      | 1258382        | 2021627       | 92.08%          | 10.773%       |
| 4         | 6.539       | 754           | 757         | 777          | rVB      | 2013874        | 2195447       | 100.00%         | 11.699%       |
| 5         | 6.763       | 792           | 795         | 804          | rVB      | 596289         | 547040        | 24.92%          | 2.915%        |
| 6         | 6.916       | 818           | 821         | 835          | rVB      | 1779694        | 1592678       | 72.54%          | 8.487%        |
| 7         | 7.333       | 889           | 892         | 916          | rBV      | 1081427        | 1210185       | 55.12%          | 6.449%        |
| 8         | 8.045       | 1010          | 1013        | 1030         | rBV      | 746256         | 710661        | 32.37%          | 3.787%        |
| 9         | 9.116       | 1191          | 1195        | 1198         | rBV      | 2232272        | 1858407       | 84.65%          | 9.903%        |
| 10        | 9.516       | 1260          | 1263        | 1275         | rBV      | 118494         | 101576        | 4.63%           | 0.541%        |
| 11        | 9.792       | 1307          | 1310        | 1324         | rBV      | 711756         | 688927        | 31.38%          | 3.671%        |
| 12        | 10.592      | 1443          | 1446        | 1459         | rBV      | 957076         | 931242        | 42.42%          | 4.962%        |
| 13        | 11.227      | 1548          | 1554        | 1558         | rBV2     | 18370          | 22663         | 1.03%           | 0.121%        |
| 14        | 11.286      | 1561          | 1564        | 1574         | rVB      | 598837         | 552948        | 25.19%          | 2.947%        |
| 15        | 11.768      | 1643          | 1646        | 1649         | rBV2     | 23880          | 26072         | 1.19%           | 0.139%        |
| 16        | 11.804      | 1649          | 1652        | 1661         | rVB2     | 170031         | 178469        | 8.13%           | 0.951%        |
| 17        | 12.521      | 1764          | 1774        | 1779         | rBV4     | 24509          | 57802         | 2.63%           | 0.308%        |
| 18        | 12.586      | 1782          | 1785        | 1790         | rBV2     | 33509          | 41369         | 1.88%           | 0.220%        |
| 19        | 12.863      | 1828          | 1832        | 1836         | rBV      | 1419171        | 1283665       | 58.47%          | 6.840%        |
| 20        | 13.710      | 1971          | 1976        | 1978         | rBV      | 28515          | 34529         | 1.57%           | 0.184%        |
| 21        | 13.739      | 1978          | 1981        | 1992         | rVB      | 125312         | 135497        | 6.17%           | 0.722%        |
| 22        | 13.880      | 2000          | 2005        | 2011         | rBV2     | 16076          | 22262         | 1.01%           | 0.119%        |
| 23        | 13.939      | 2011          | 2015        | 2024         | rVV      | 607701         | 577071        | 26.28%          | 3.075%        |
| 24        | 14.362      | 2082          | 2087        | 2093         | rBV3     | 30704          | 60739         | 2.77%           | 0.324%        |
| 25        | 14.656      | 2134          | 2137        | 2140         | rBV2     | 31770          | 30502         | 1.39%           | 0.163%        |
| 26        | 14.727      | 2147          | 2149        | 2152         | rVB      | 29474          | 25555         | 1.16%           | 0.136%        |
| 27        | 14.980      | 2188          | 2192        | 2195         | rBV      | 53911          | 59089         | 2.69%           | 0.315%        |
| 28        | 15.339      | 2249          | 2253        | 2257         | rVB      | 53472          | 63640         | 2.90%           | 0.339%        |
| 29        | 15.398      | 2259          | 2263        | 2270         | rBV      | 352777         | 463111        | 21.09%          | 2.468%        |
| 30        | 15.533      | 2282          | 2286        | 2291         | rBV3     | 39730          | 48730         | 2.22%           | 0.260%        |
| 31        | 15.745      | 2318          | 2322        | 2327         | rVB2     | 81205          | 108489        | 4.94%           | 0.578%        |
| 32        | 15.803      | 2327          | 2332        | 2339         | rBV8     | 28927          | 61387         | 2.80%           | 0.327%        |
| 33        | 16.221      | 2398          | 2403        | 2410         | rVB      | 47829          | 79747         | 3.63%           | 0.425%        |
| 34        | 16.503      | 2446          | 2451        | 2458         | rVB4     | 37026          | 65851         | 3.00%           | 0.351%        |

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Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

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

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

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 35 | 16.774 | 2489 | 2497 | 2505 | rVB4 | 50675 | 125898 | 5.73% | 0.671% |
| 36 | 16.892 | 2512 | 2517 | 2523 | rVB9 | 21367 | 39519  | 1.80% | 0.211% |
| 37 | 17.033 | 2535 | 2541 | 2550 | rVB3 | 73312 | 143474 | 6.54% | 0.765% |
| 38 | 17.280 | 2577 | 2583 | 2590 | rBV9 | 22821 | 47282  | 2.15% | 0.252% |
| 39 | 17.433 | 2605 | 2609 | 2614 | rVB5 | 17065 | 30413  | 1.39% | 0.162% |
| 40 | 17.839 | 2676 | 2678 | 2688 | rVB4 | 30783 | 54470  | 2.48% | 0.290% |
| 41 | 18.045 | 2707 | 2713 | 2717 | rBV8 | 18865 | 43482  | 1.98% | 0.232% |
| 42 | 18.268 | 2747 | 2751 | 2760 | rVB9 | 13231 | 35767  | 1.63% | 0.191% |

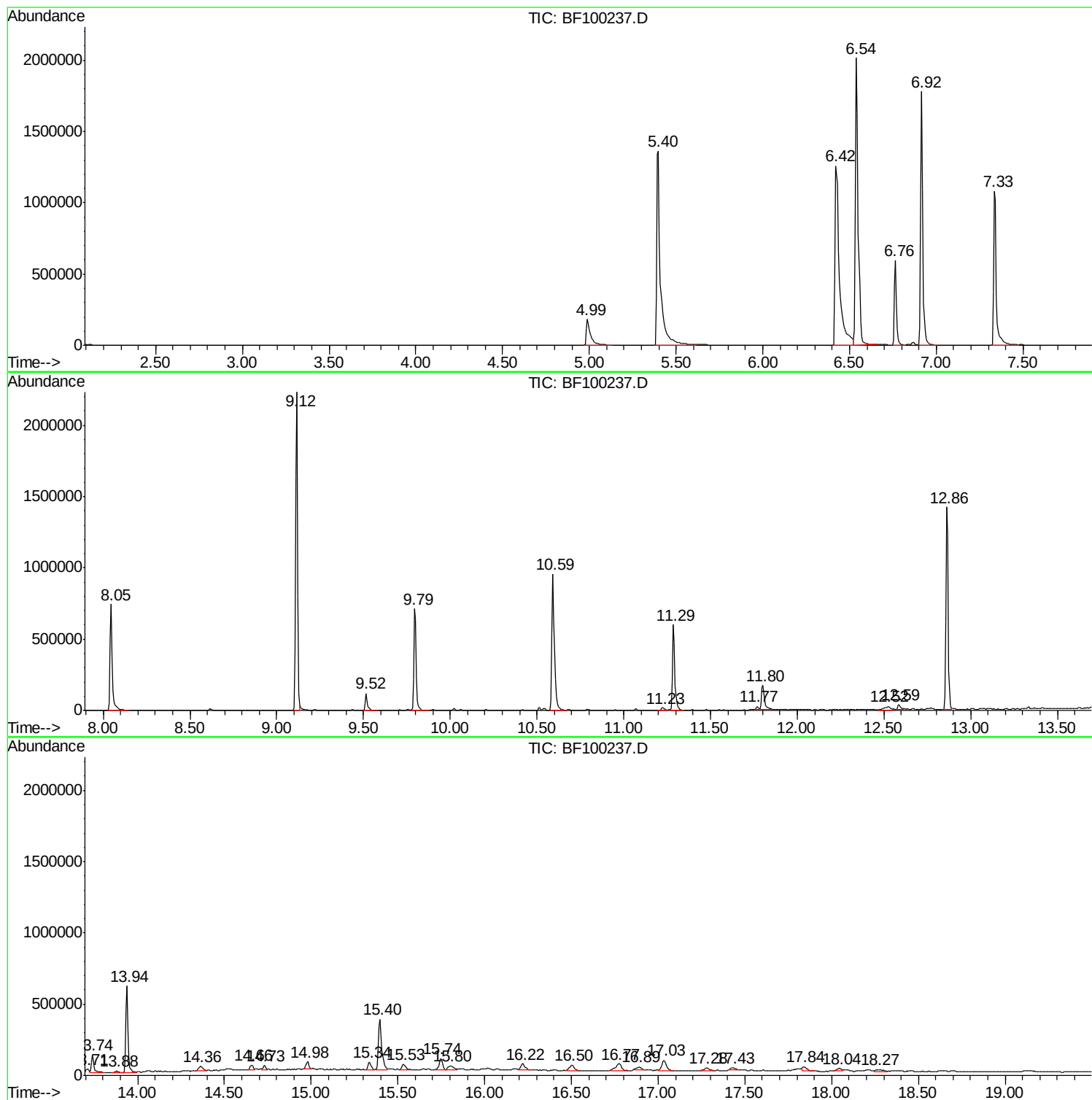
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

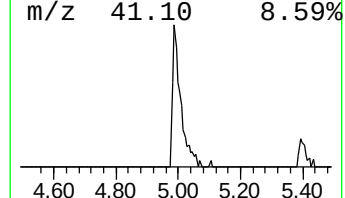
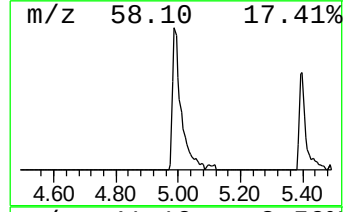
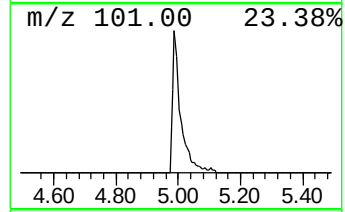
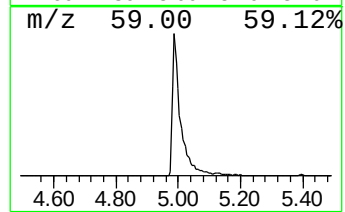
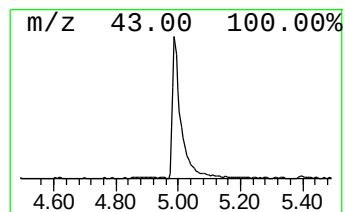
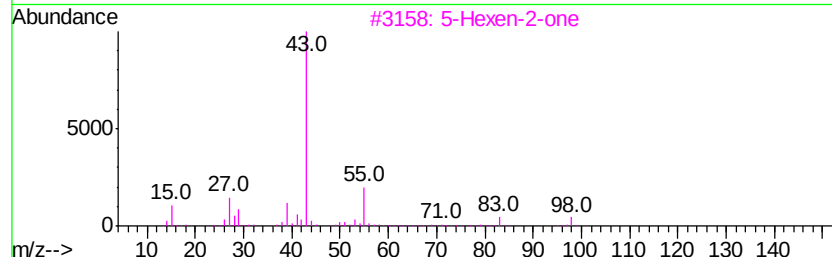
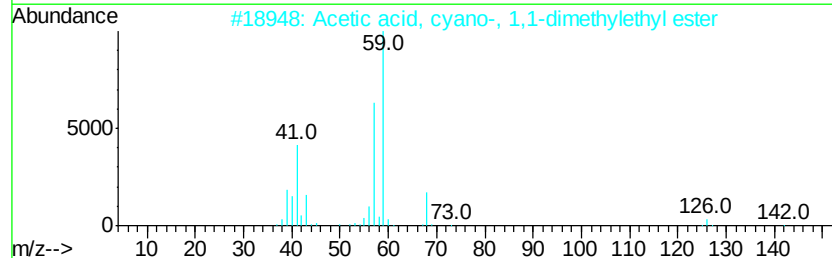
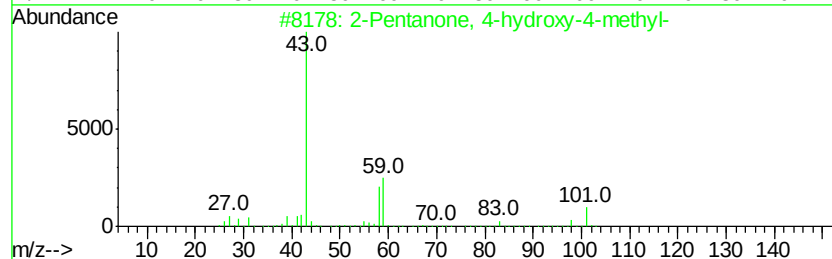
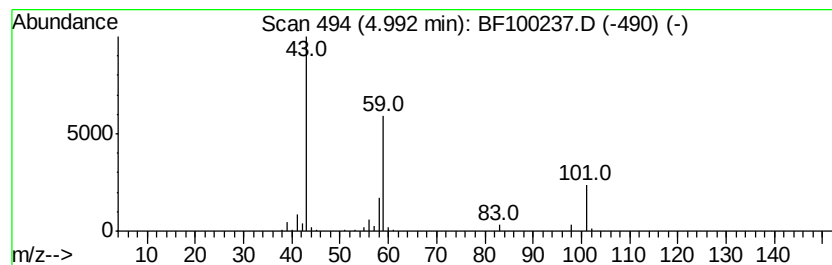
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.99 | 12.21 ng | 333949 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 10   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |



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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

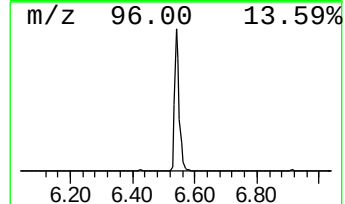
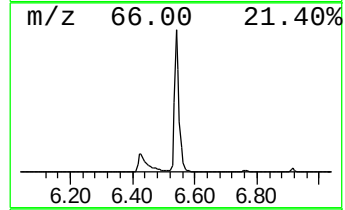
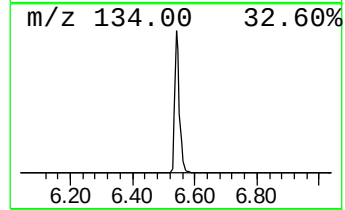
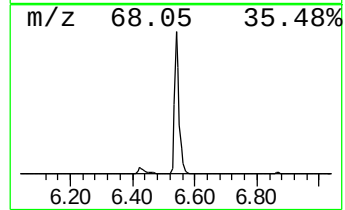
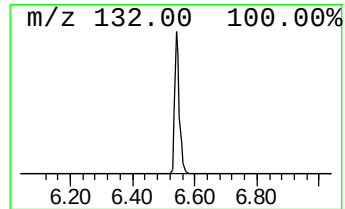
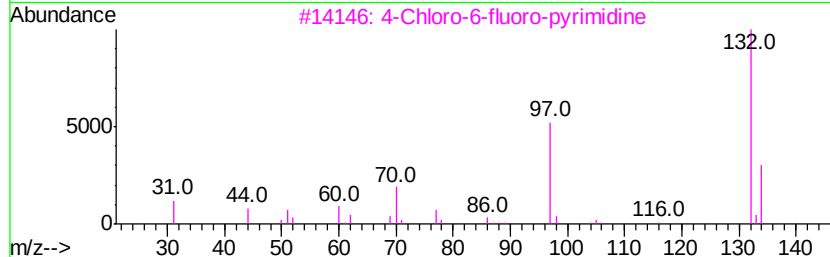
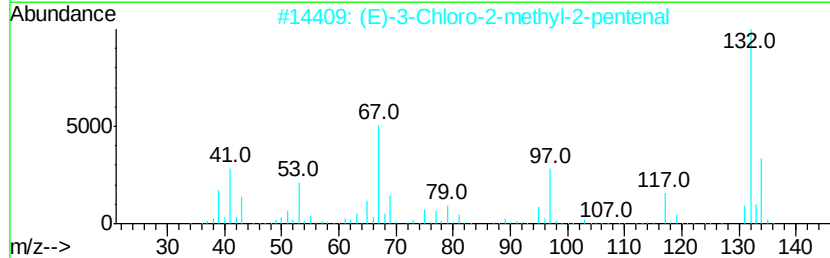
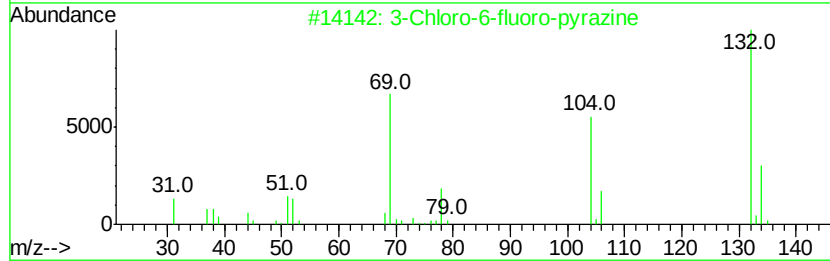
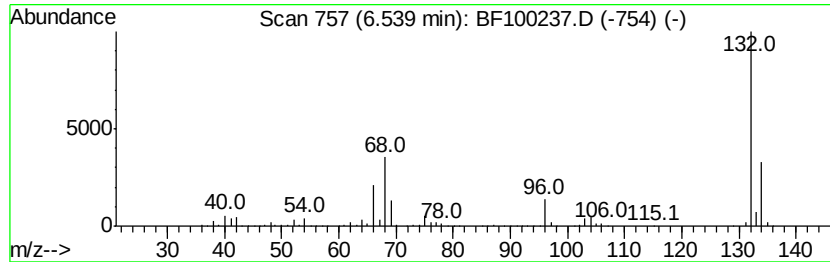
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.54 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.54 | 80.27 ng | 2195450 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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Misc :  
ALS Vial : 23 Sample Multiplier: 1

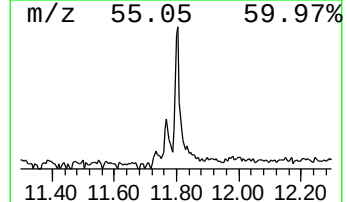
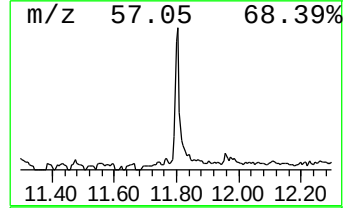
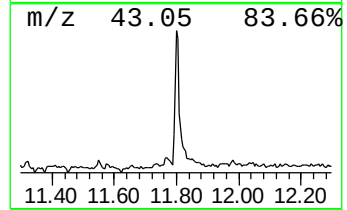
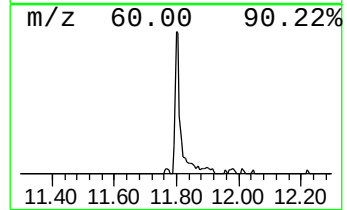
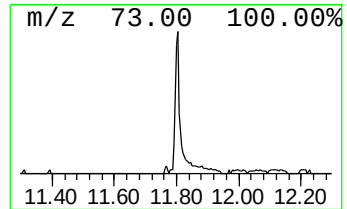
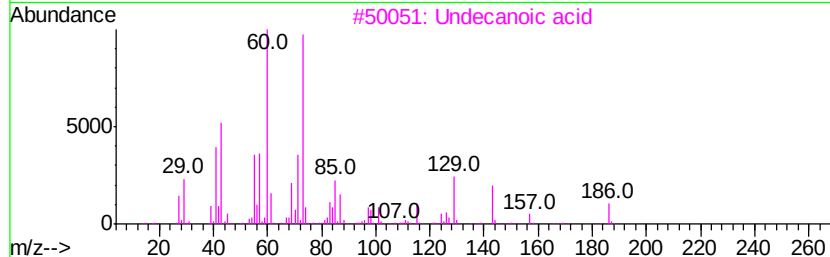
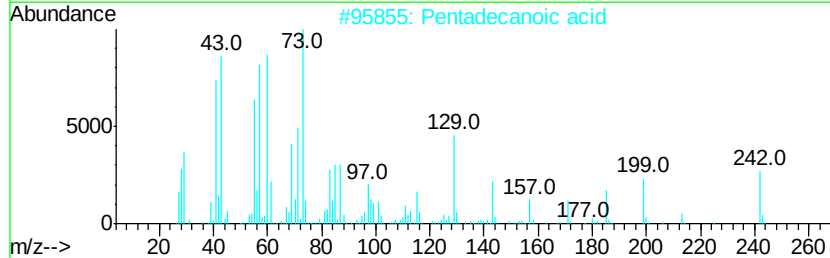
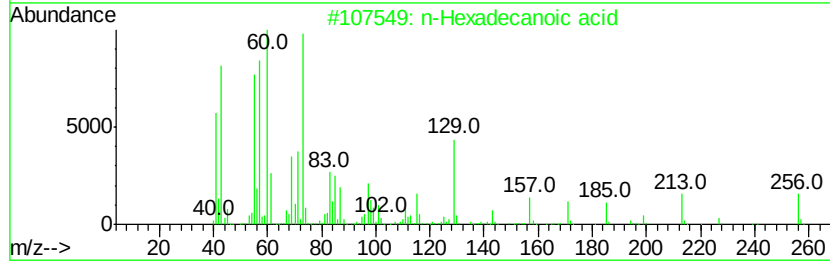
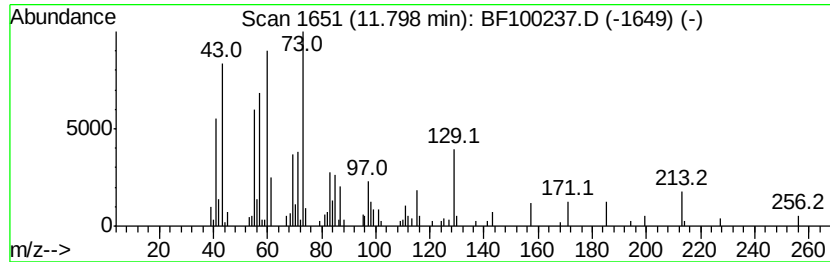
Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.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 4 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.80     | 6.46 ng                             | 178469 | Phenanthrene-d10 | 11.29        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | n-Hexadecanoic acid                 | 256    | C16H32O2         | 000057-10-3  | 98   |
| 2         | Pentadecanoic acid                  | 242    | C15H30O2         | 001002-84-2  | 87   |
| 3         | Undecanoic acid                     | 186    | C11H22O2         | 000112-37-8  | 68   |
| 4         | Oxalic acid, dodecyl isobutyl ester | 314    | C18H34O4         | 1000309-37-7 | 18   |
| 5         | Sulfurous acid, octadecyl 2-prop... | 376    | C21H44O3S        | 1000309-12-7 | 18   |



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ALS Vial : 23 Sample Multiplier: 1

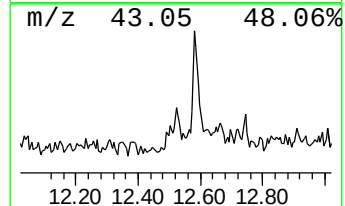
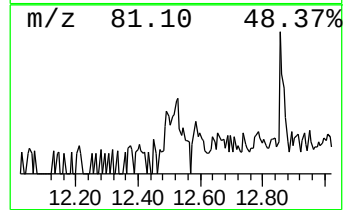
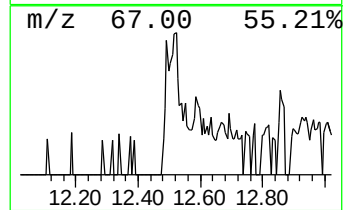
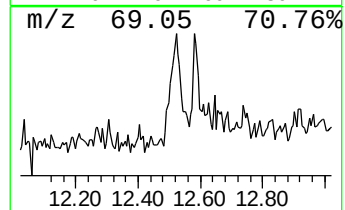
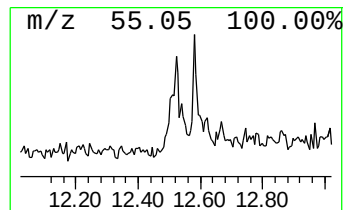
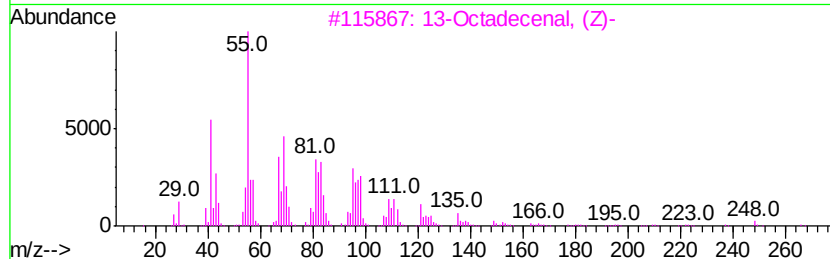
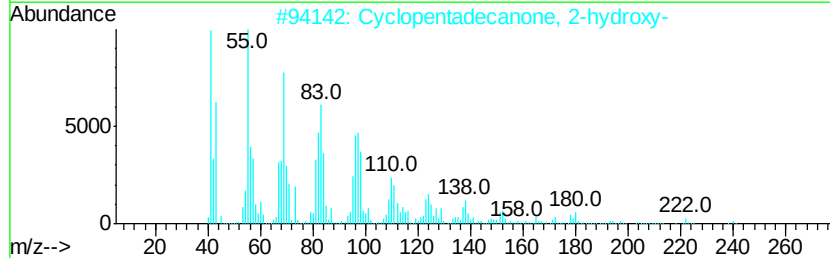
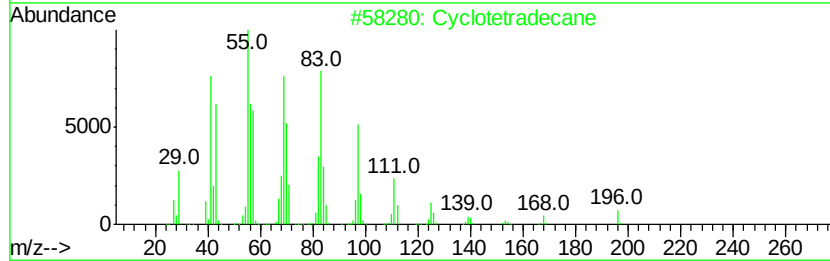
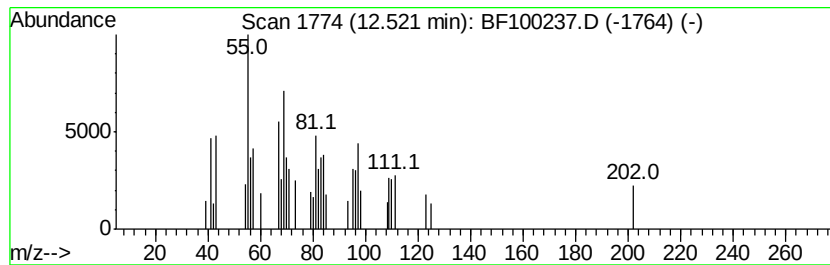
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BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 unknown12.52 Concentration Rank 17

| R.T.      | EstConc                          | Area  | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|-------|------------------|-------------|------|
| 12.52     | 2.09 ng                          | 57802 | Phenanthrene-d10 | 11.29       |      |
| Hit# of 5 | Tentative ID                     | MW    | MolForm          | CAS#        | Qual |
| 1         | Cyclotetradecane                 | 196   | C14H28           | 000295-17-0 | 43   |
| 2         | Cyclopentadecanone, 2-hydroxy-   | 240   | C15H28O2         | 004727-18-8 | 43   |
| 3         | 13-Octadecenal, (Z)-             | 266   | C18H34O          | 058594-45-9 | 43   |
| 4         | Chloromethyl 7-chlorododecanoate | 282   | C13H24Cl2O2      | 080419-03-0 | 27   |
| 5         | 17-Octadecynoic acid             | 280   | C18H32O2         | 034450-18-5 | 22   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
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Operator : SJ/JU  
Sample : I6285-06  
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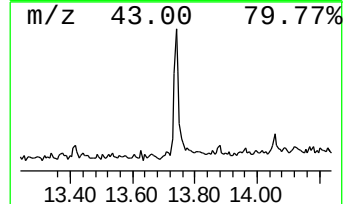
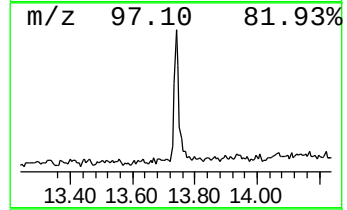
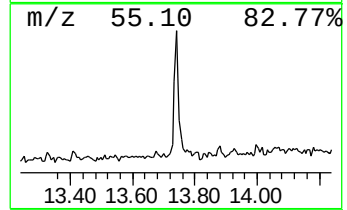
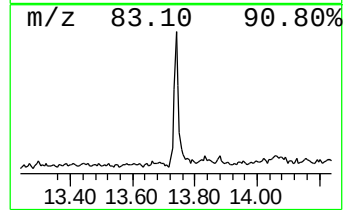
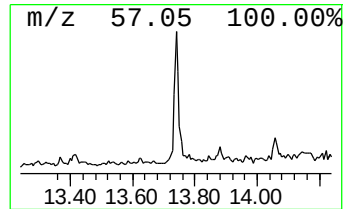
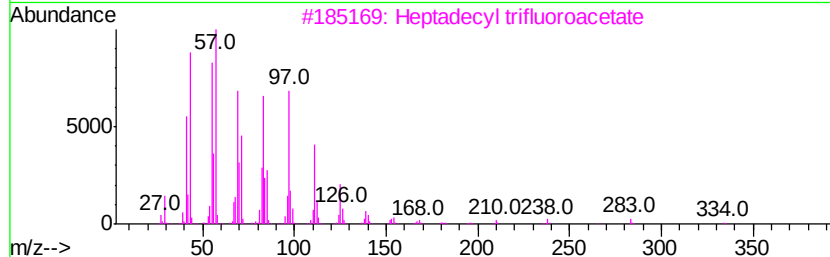
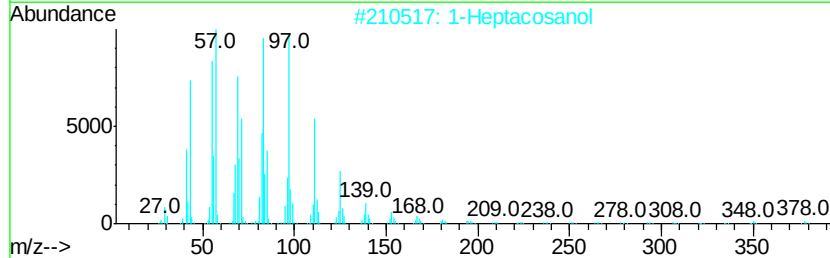
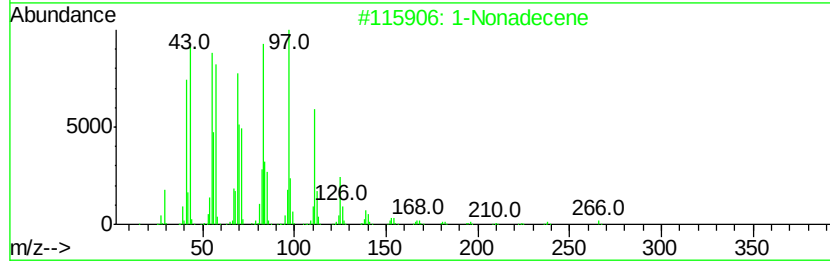
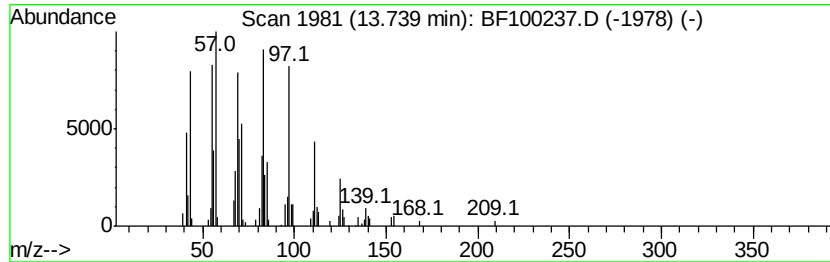
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 1-Nonadecene Concentration Rank 7

| R.T.    | EstConc                     | Area         | Relative to ISTD | R.T.       |              |      |
|---------|-----------------------------|--------------|------------------|------------|--------------|------|
| 13.74   | 4.70 ng                     | 135497       | Chrysene-d12     | 13.94      |              |      |
| Hit# of | 5                           | Tentative ID | MW               | MolForm    | CAS#         | Qual |
| 1       | 1-Nonadecene                |              | 266              | C19H38     | 018435-45-5  | 91   |
| 2       | 1-Heptacosanol              |              | 396              | C27H56O    | 002004-39-9  | 90   |
| 3       | Heptadecyl trifluoroacetate |              | 352              | C19H35F3O2 | 1000351-87-0 | 90   |
| 4       | Trifluoroacetoxy hexadecane |              | 338              | C18H33F3O2 | 006222-03-3  | 87   |
| 5       | Octadecyl trifluoroacetate  |              | 366              | C20H37F3O2 | 079392-43-1  | 70   |





Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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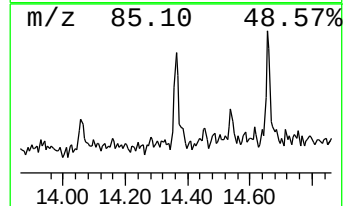
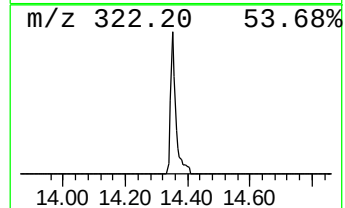
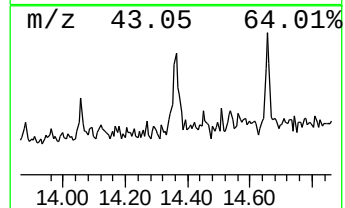
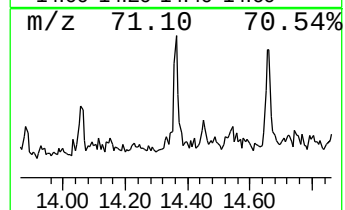
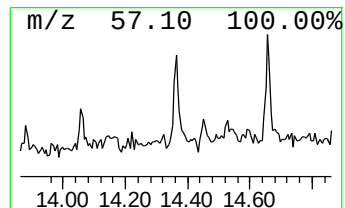
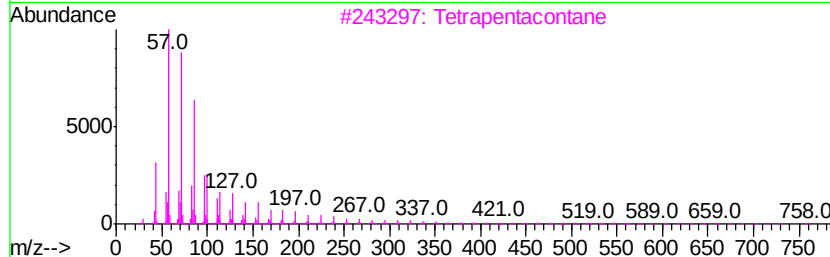
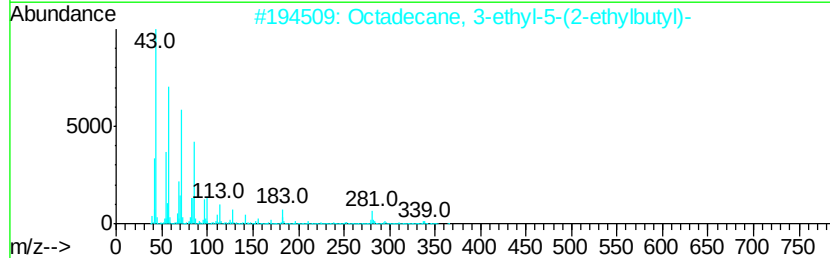
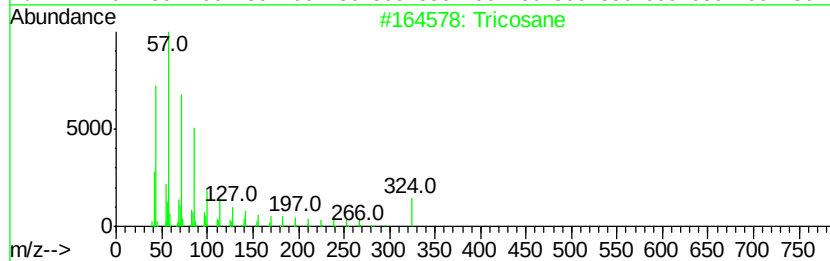
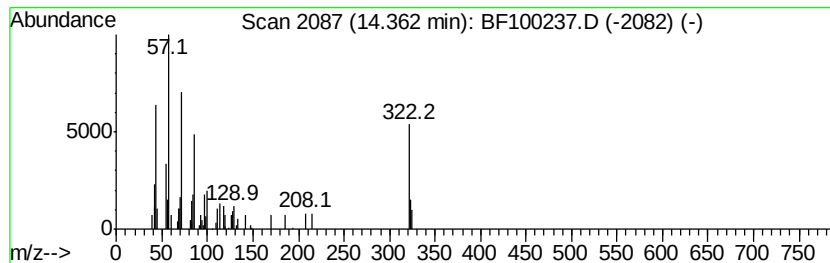
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tricosane Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.36 | 2.11 ng | 60739 | Chrysene-d12     | 13.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tricosane                           | 324 | C23H48  | 000638-67-5 | 60   |
| 2    |    | Octadecane, 3-ethyl-5-(2-ethylbu... | 366 | C26H54  | 055282-12-7 | 49   |
| 3    |    | Tetrapentacontane                   | 759 | C54H110 | 005856-66-6 | 46   |
| 4    |    | Docosane                            | 310 | C22H46  | 000629-97-0 | 46   |
| 5    |    | Hexacosane                          | 366 | C26H54  | 000630-01-3 | 46   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
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Operator : SJ/JU  
Sample : I6285-06  
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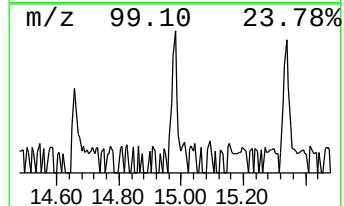
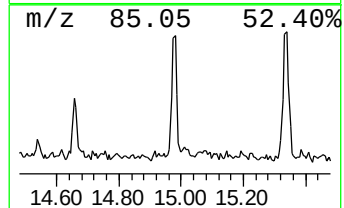
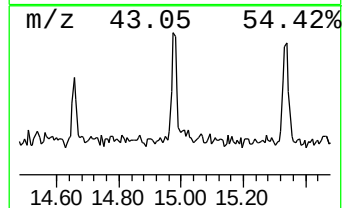
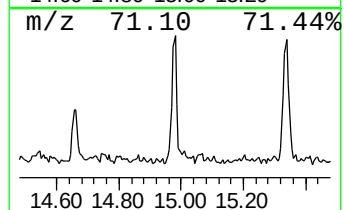
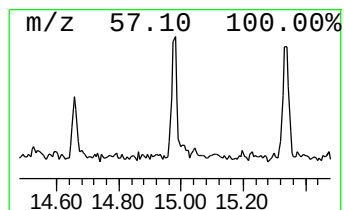
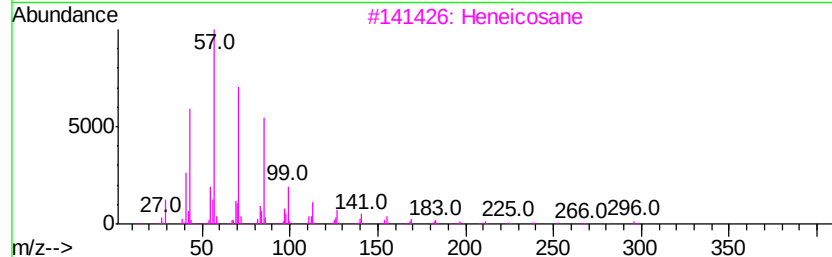
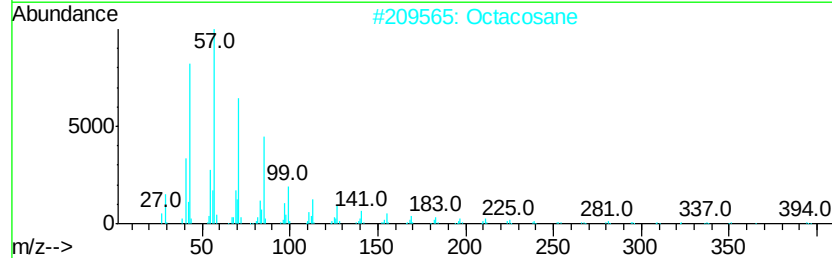
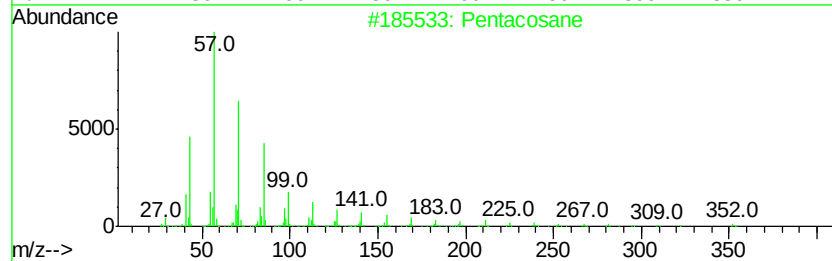
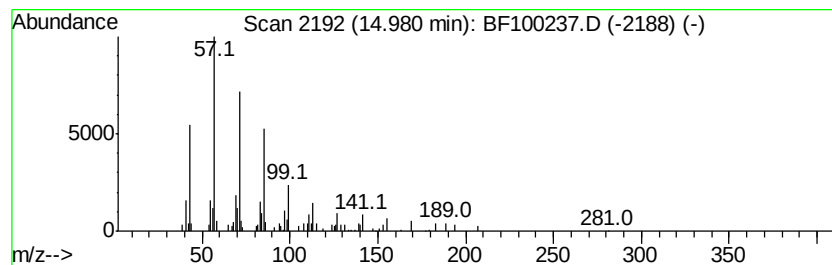
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Pentacosane Concentration Rank 13

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 14.98   | 2.55 ng               | 59089        | Perylene-d12     | 15.40     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Pentacosane           | 352 C25H52   | 000629-99-2      | 90        |
| 2       | Octacosane            | 394 C28H58   | 000630-02-4      | 90        |
| 3       | Heneicosane           | 296 C21H44   | 000629-94-7      | 90        |
| 4       | Nonadecane, 9-methyl- | 282 C20H42   | 013287-24-6      | 87        |
| 5       | Hentriacontane        | 437 C31H64   | 000630-04-6      | 87        |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
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Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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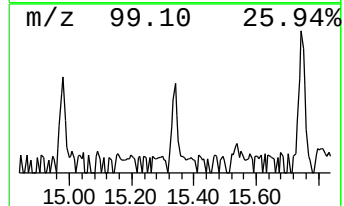
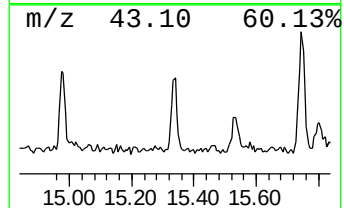
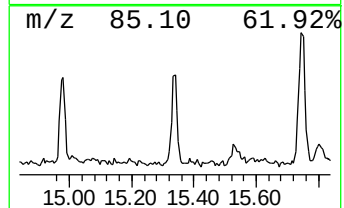
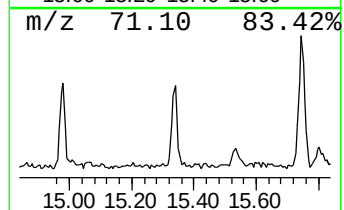
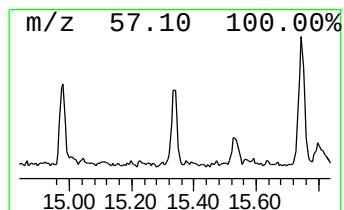
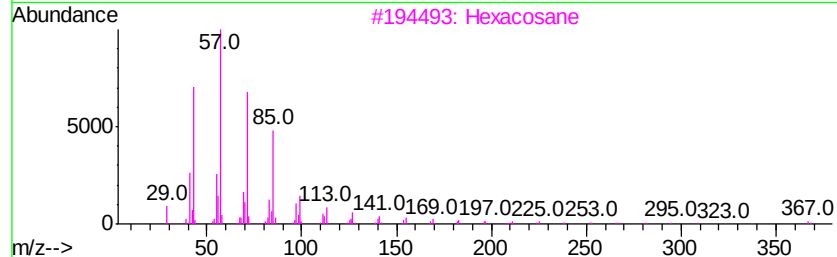
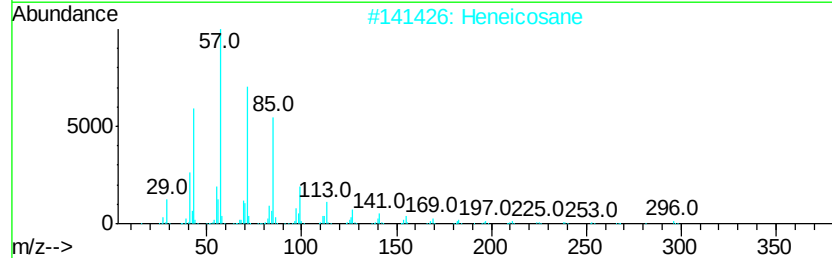
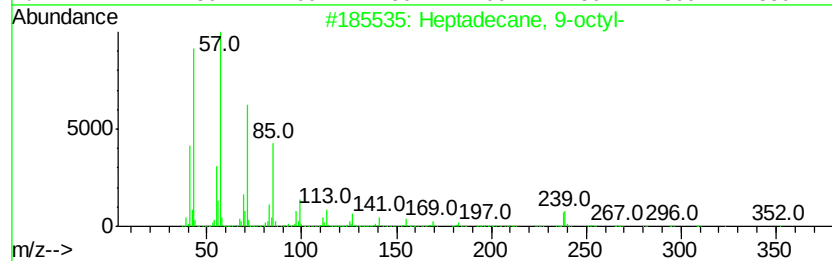
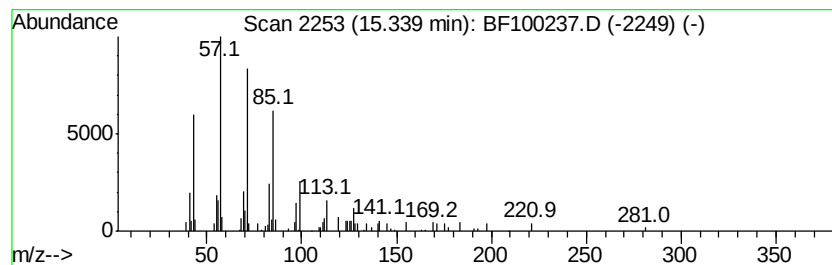
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Heptadecane, 9-octyl- Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.34 | 2.75 ng | 63640 | Perylene-d12     | 15.40 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 80   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 80   |
| 3    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 80   |
| 4    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 80   |
| 5    |    | 5,5-Dibutylnonane     | 240 | C17H36  | 006008-17-9 | 72   |



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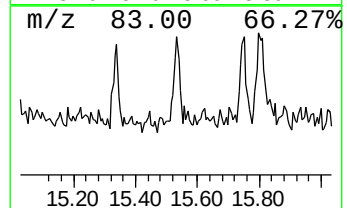
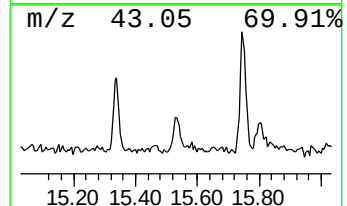
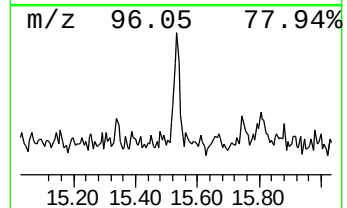
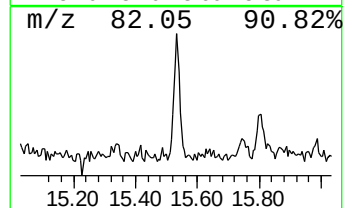
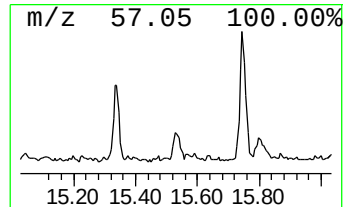
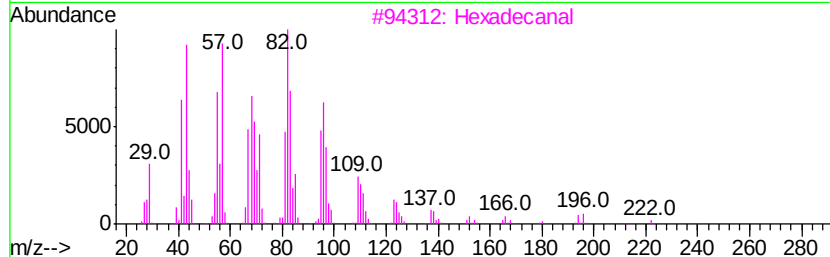
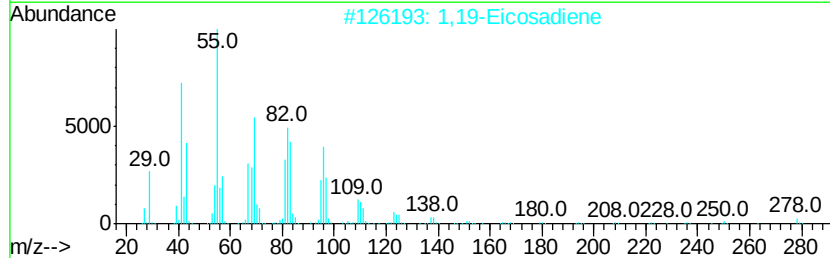
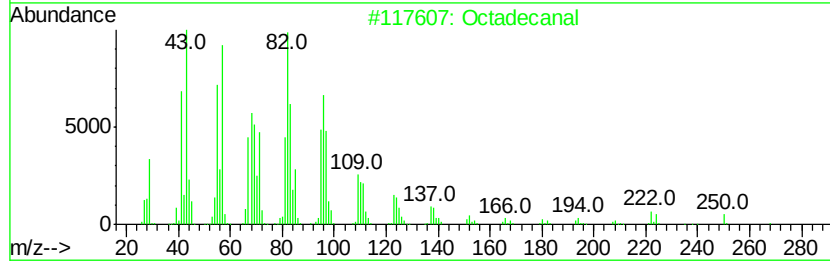
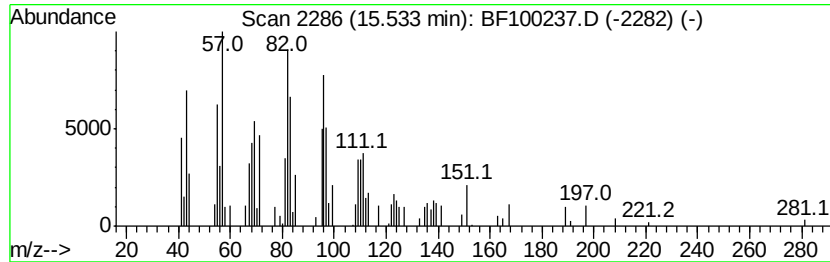
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Octadecanal Concentration Rank 16

| R.T.      | EstConc                | Area  | Relative to ISTD | R.T.        |      |
|-----------|------------------------|-------|------------------|-------------|------|
| 15.53     | 2.10 ng                | 48730 | Perylene-d12     | 15.40       |      |
| Hit# of 5 | Tentative ID           | MW    | MolForm          | CAS#        | Qual |
| 1         | Octadecanal            | 268   | C18H36O          | 000638-66-4 | 80   |
| 2         | 1,19-Eicosadiene       | 278   | C20H38           | 014811-95-1 | 74   |
| 3         | Hexadecanal            | 240   | C16H32O          | 000629-80-1 | 72   |
| 4         | Cyclododecanol         | 184   | C12H24O          | 001724-39-6 | 64   |
| 5         | 9-Octadecen-1-ol, (Z)- | 268   | C18H36O          | 000143-28-2 | 64   |



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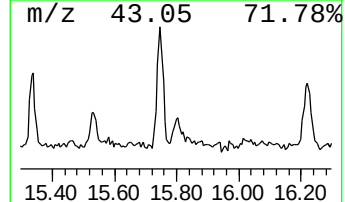
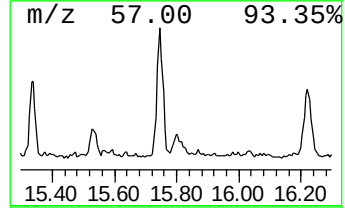
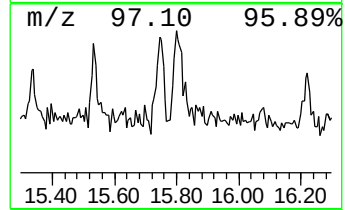
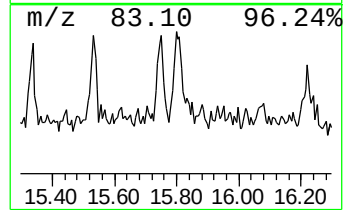
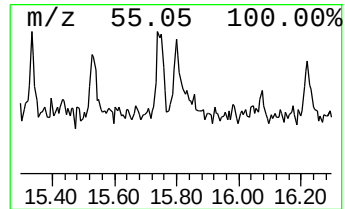
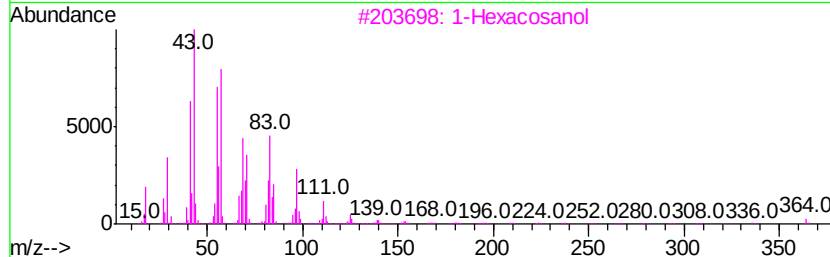
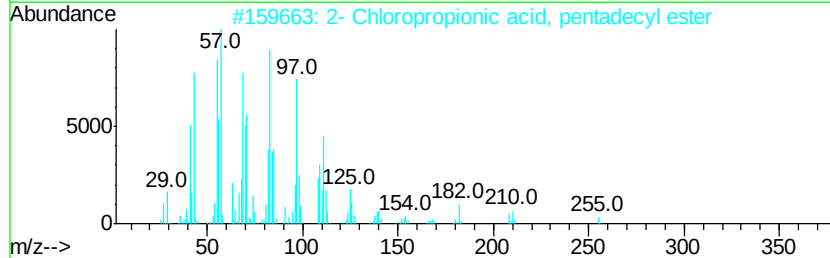
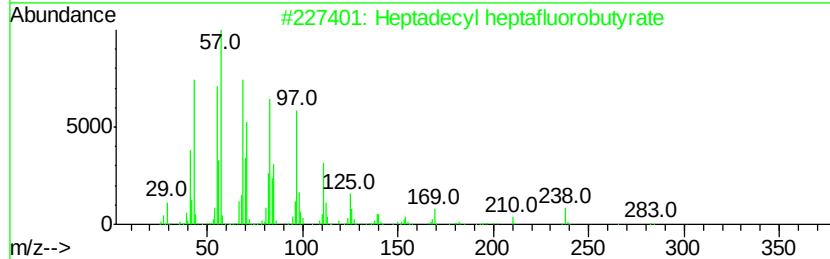
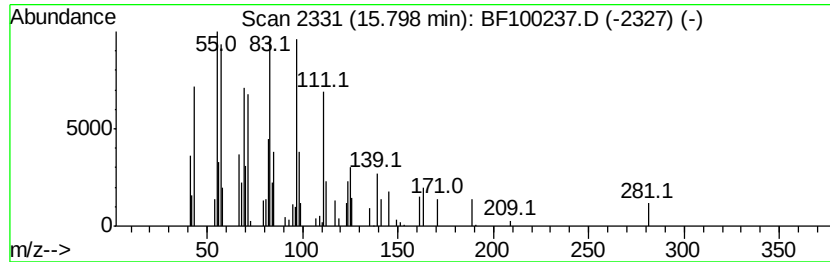
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Heptadecyl heptafluorobutyrate Concentration Rank 12

| R.T.    | EstConc | Area                                | Relative to ISTD |            | R.T.         |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 15.80   | 2.65 ng | 61387                               | Perylene-d12     |            | 15.40        |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2 | 959085-66-6  | 86   |
| 2       |         | 2- Chloropropionic acid, pentade... | 318              | C18H35ClO2 | 1000292-44-1 | 80   |
| 3       |         | 1-Hexacosanol                       | 382              | C26H54O    | 000506-52-5  | 76   |
| 4       |         | n-Tetracosanol-1                    | 354              | C24H50O    | 000506-51-4  | 62   |
| 5       |         | Behenic alcohol                     | 326              | C22H46O    | 000661-19-8  | 58   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
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Operator : SJ/JU  
Sample : I6285-06  
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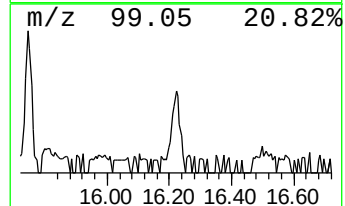
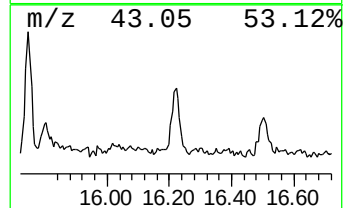
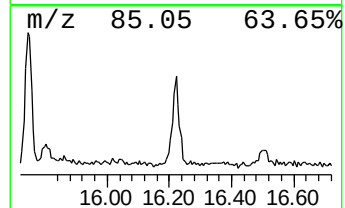
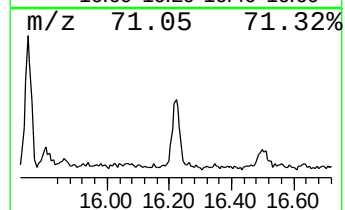
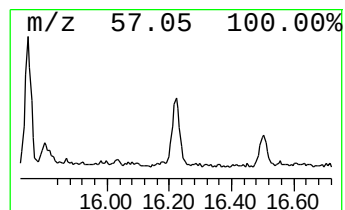
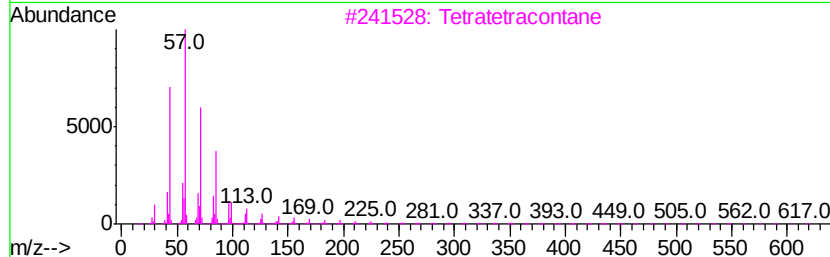
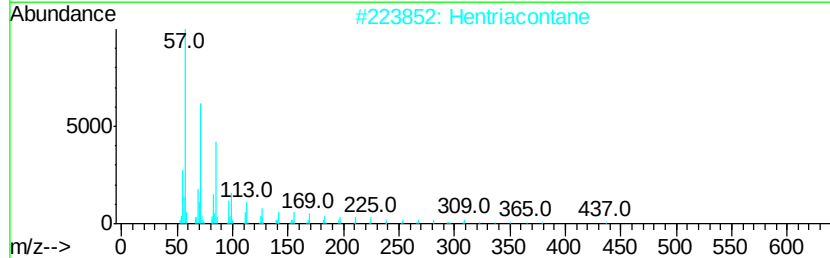
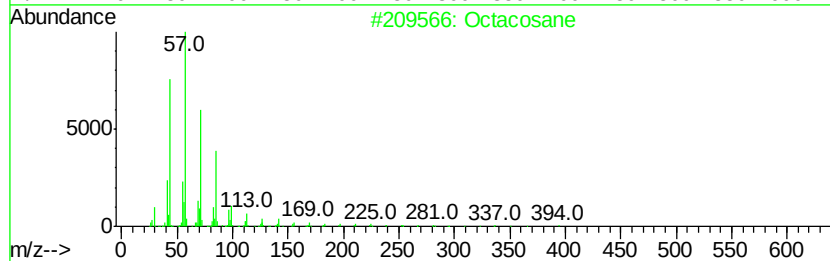
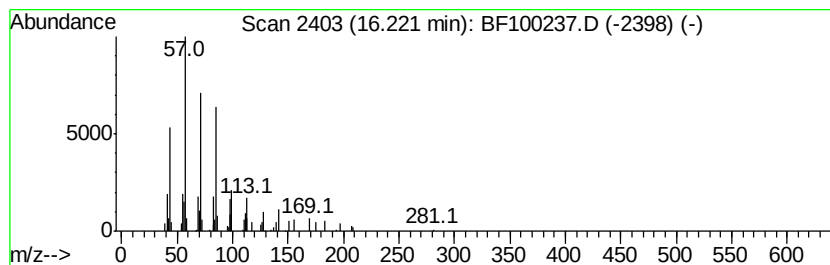
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P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.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 Octacosane Concentration Rank 9

| R.T.    | EstConc           | Area         | Relative to ISTD | R.T.           |
|---------|-------------------|--------------|------------------|----------------|
| 16.22   | 3.44 ng           | 79747        | Perylene-d12     | 15.40          |
| Hit# of | 5                 | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Octacosane        | 394          | C28H58           | 000630-02-4 91 |
| 2       | Hentriacontane    | 437          | C31H64           | 000630-04-6 91 |
| 3       | Tetratetracontane | 619          | C44H90           | 007098-22-8 91 |
| 4       | Triacontane       | 422          | C30H62           | 000638-68-6 91 |
| 5       | Hexacosane        | 366          | C26H54           | 000630-01-3 91 |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

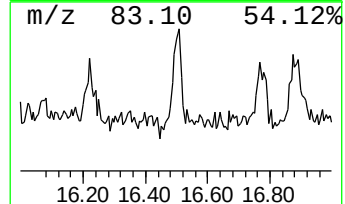
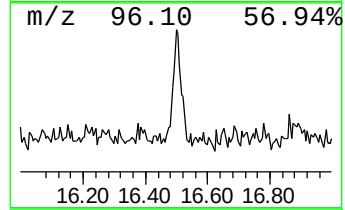
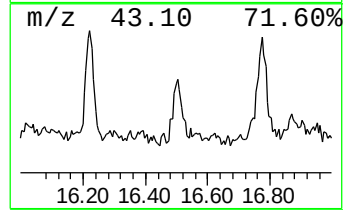
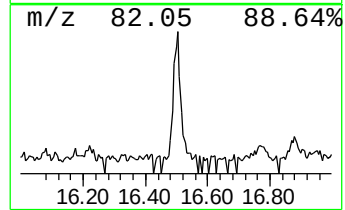
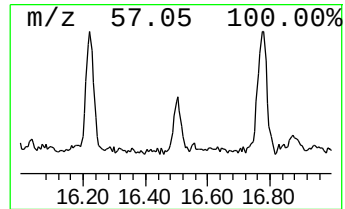
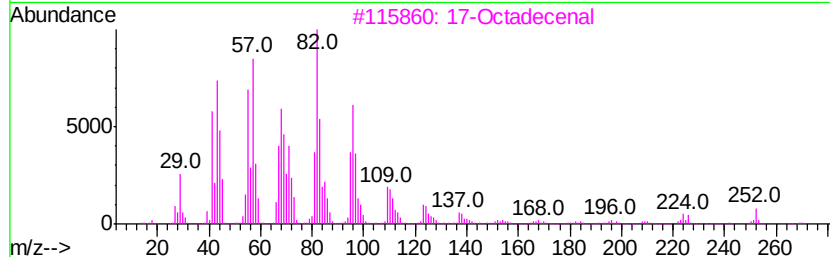
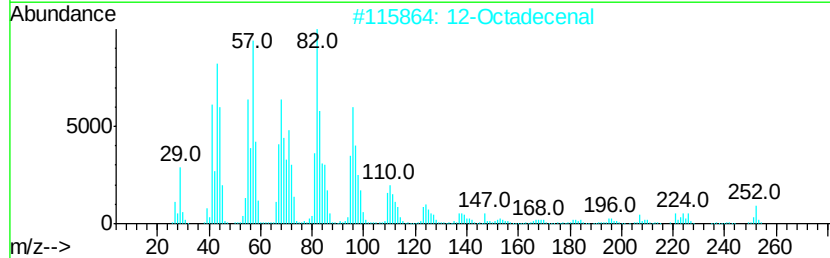
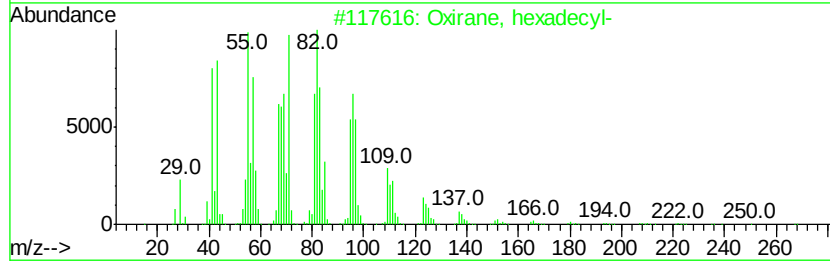
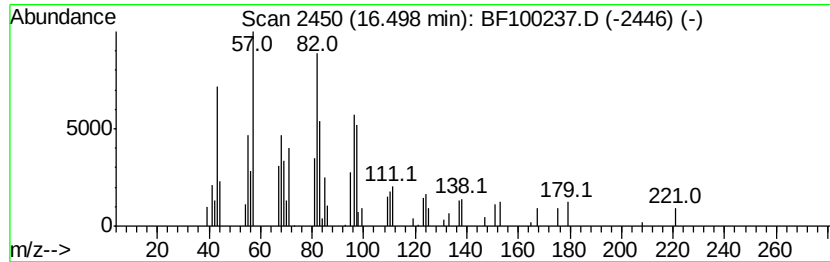
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Oxirane, hexadecyl- Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.50 | 2.84 ng | 65851 | Perylene-d12     | 15.40 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0  | 78   |
| 2    |    | 12-Octadecenal      | 266 | C18H34O | 056554-91-7  | 72   |
| 3    |    | 17-Octadecenal      | 266 | C18H34O | 056554-86-0  | 72   |
| 4    |    | Octadecanal         | 268 | C18H36O | 000638-66-4  | 68   |
| 5    |    | Heptadecanal        | 254 | C17H34O | 1000376-70-0 | 64   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

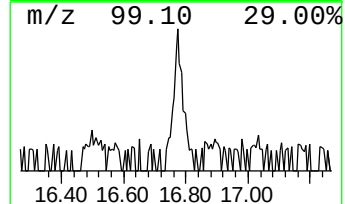
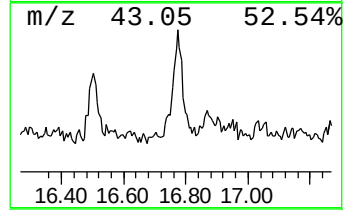
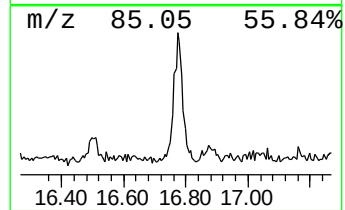
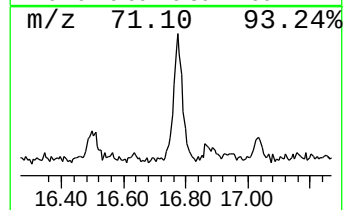
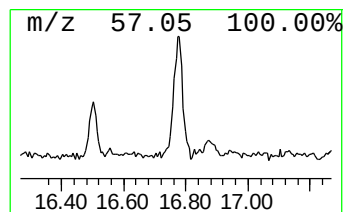
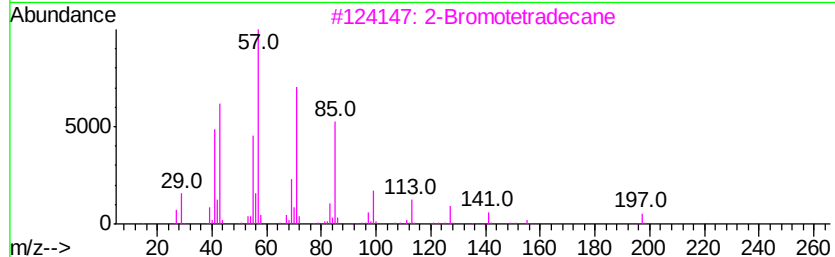
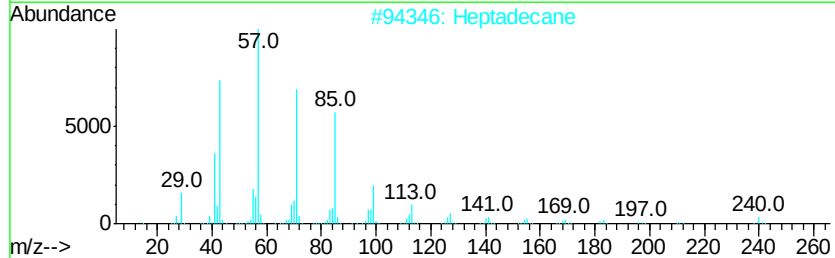
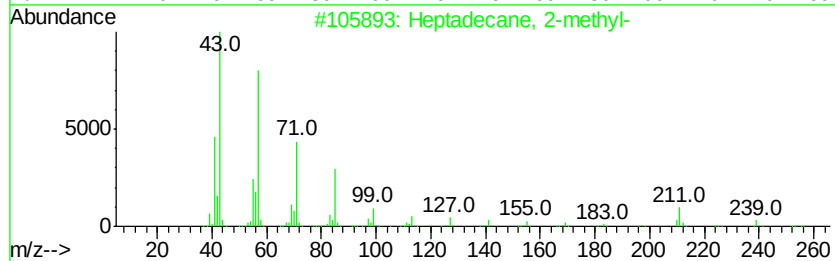
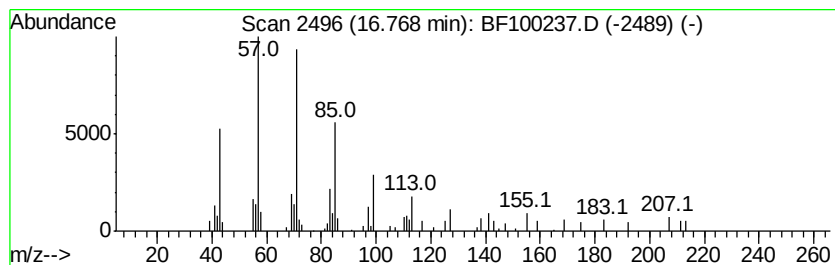
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Heptadecane, 2-methyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.77 | 5.44 ng | 125898 | Perylene-d12     | 15.40 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptadecane, 2-methyl- | 254 | C18H38   | 001560-89-0 | 90   |
| 2    |    | Heptadecane            | 240 | C17H36   | 000629-78-7 | 86   |
| 3    |    | 2-Bromotetradecane     | 276 | C14H29Br | 074036-95-6 | 86   |
| 4    |    | Heneicosane            | 296 | C21H44   | 000629-94-7 | 83   |
| 5    |    | triacontane            | 422 | C30H62   | 000638-68-6 | 80   |





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

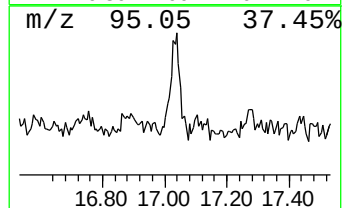
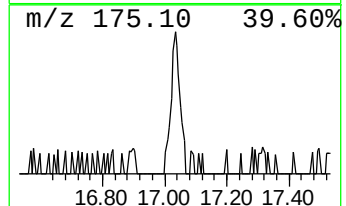
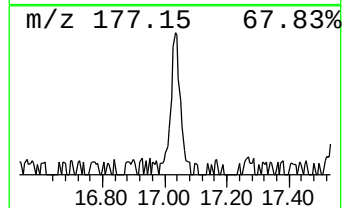
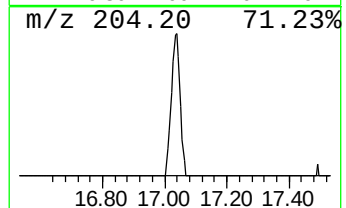
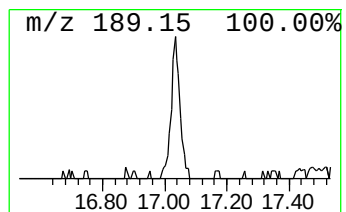
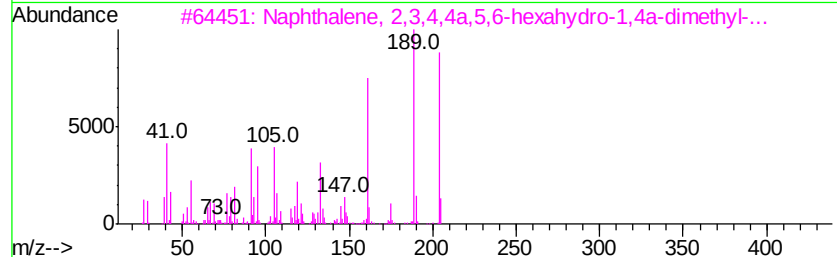
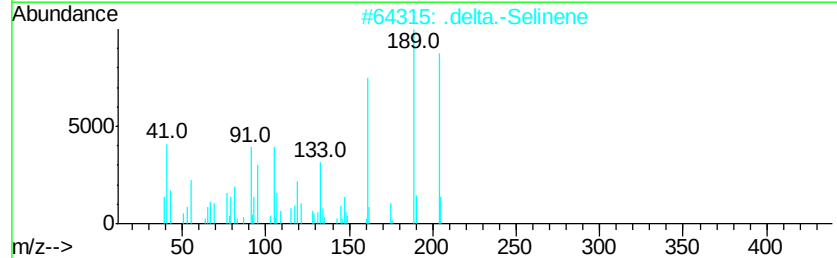
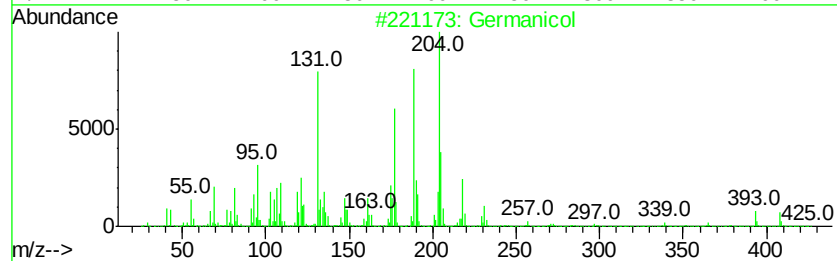
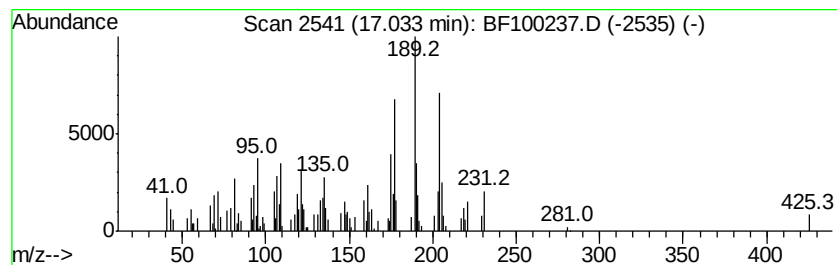
Instrument :  
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ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.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 Germanicol Concentration Rank 5

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 17.03   | 6.20 ng                             | 143474       | Perylene-d12     | 15.40           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Germanicol                          |              | 426 C30H500      | 000465-02-1 58  |
| 2       | .delta.-Selinene                    |              | 204 C15H24       | 028624-23-9 41  |
| 3       | Naphthalene, 2,3,4,4a,5,6-hexahv... |              | 204 C15H24       | 000473-14-3 41  |
| 4       | 3H-3a,7-Methanoazulene, 2,4,5,6,... |              | 204 C15H24       | 002387-78-2 38  |
| 5       | 2,3-Dimethoxy-5-aminocinnamonitrile |              | 204 C11H12N2O2   | 1000214-46-5 38 |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

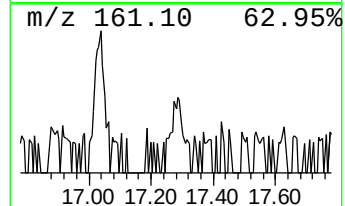
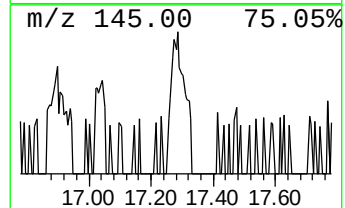
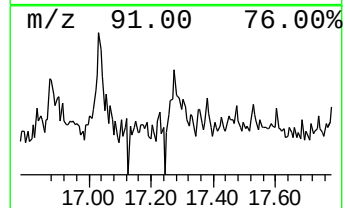
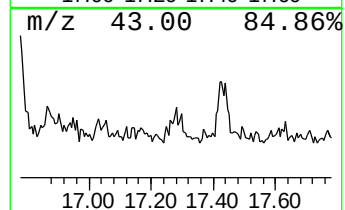
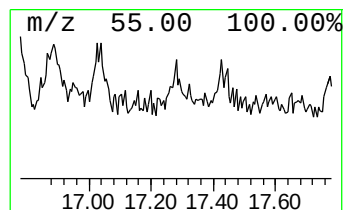
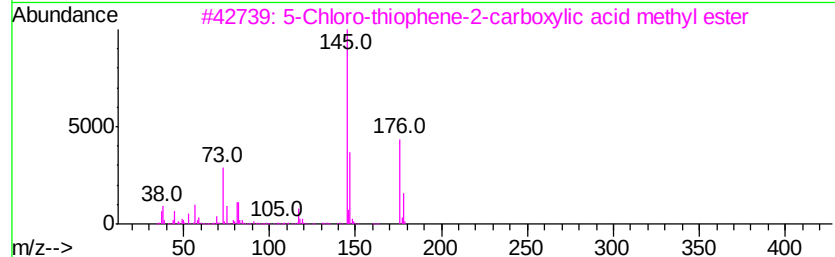
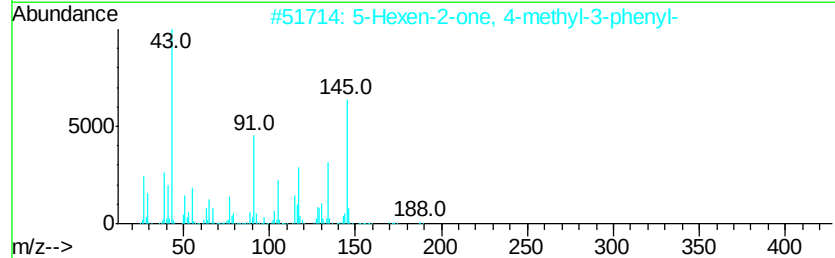
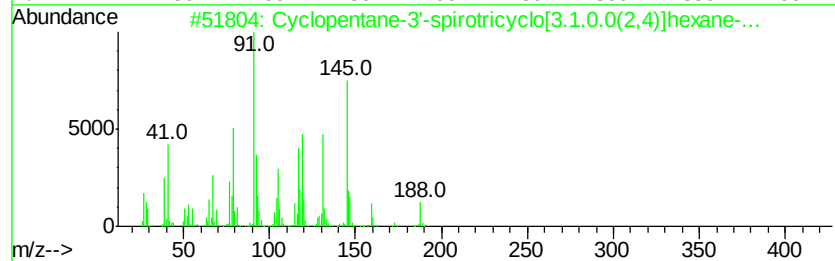
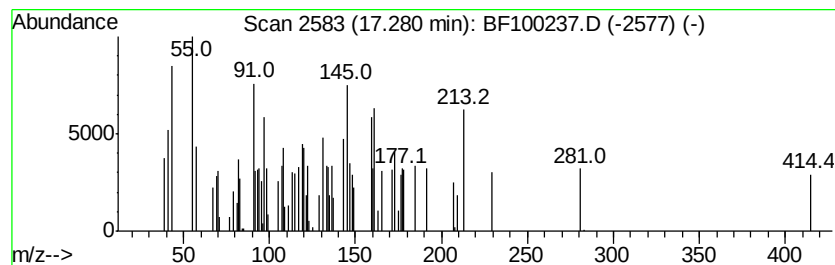
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown17.28 Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.28 | 2.04 ng | 47282 | Perylene-d12     | 15.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclopentane-3'-spirotricyclo[3.... | 188 | C14H20    | 078578-93-5  | 12   |
| 2    |    | 5-Hexen-2-one, 4-methyl-3-phenyl-   | 188 | C13H16O   | 040931-43-9  | 10   |
| 3    |    | 5-Chloro-thiophene-2-carboxylic ... | 176 | C6H5ClO2S | 1000297-30-4 | 10   |
| 4    |    | 1H-Pyrrolo[2,3-b]pyridine, 2-(1-... | 160 | C10H12N2  | 027257-18-7  | 9    |
| 5    |    | Ethanone, 1-(2,3-dihydro-1H-inde... | 160 | C11H12O   | 004228-10-8  | 9    |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\  
Data File : BF100237.D  
Acq On : 5 Nov 2017 21:13  
Operator : SJ/JU  
Sample : I6285-06  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

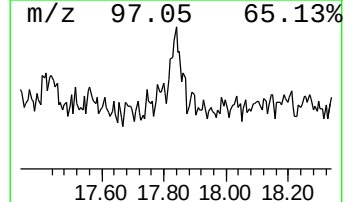
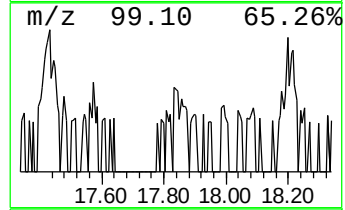
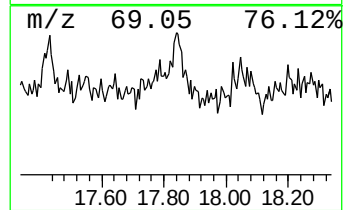
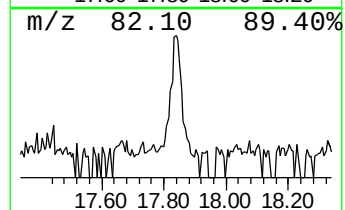
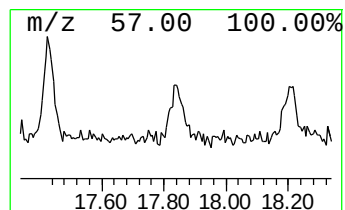
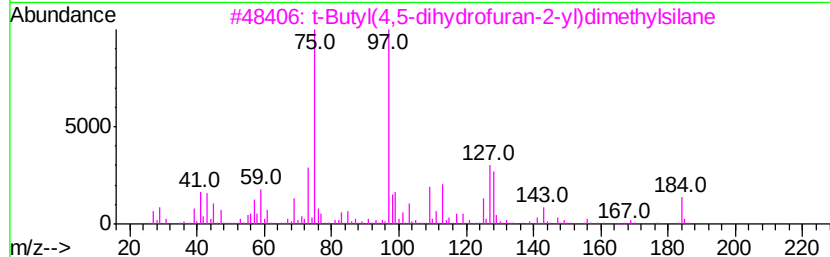
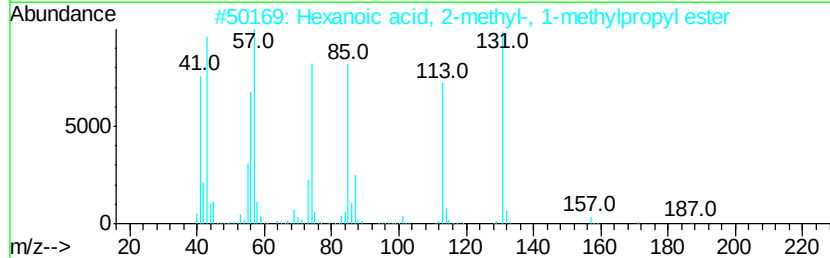
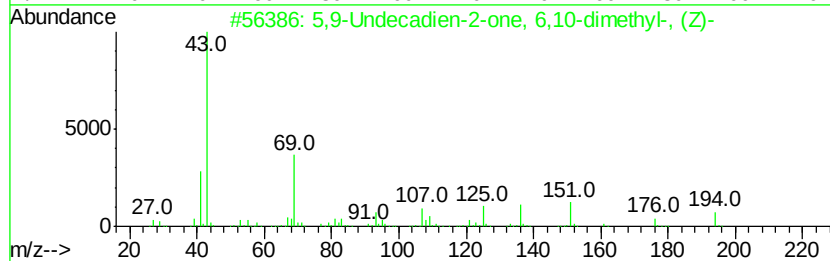
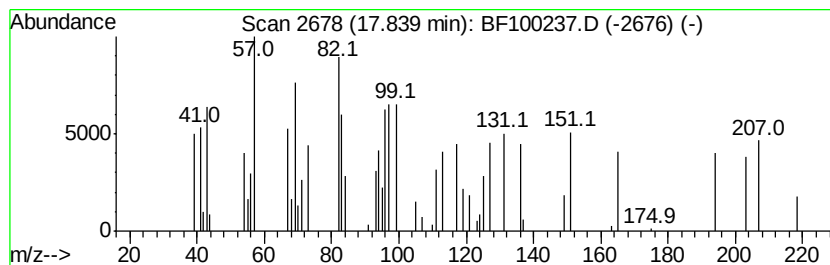
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown17.84 Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.84 | 2.35 ng | 54470 | Perylene-d12     | 15.40 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 5,9-Undecadien-2-one, 6,10-dimet... | 194 | C13H22O      | 003879-26-3 | 14      |      |      |
| 2    | Hexanoic acid, 2-methyl-, 1-meth... | 186 | C11H22O2     | 057983-70-7 | 9       |      |      |
| 3    | t-Butyl(4,5-dihydrofuran-2-yl)di... | 184 | C10H20OSi    | 130876-95-8 | 9       |      |      |
| 4    | Aminocarb                           | 208 | C11H16N2O2   | 002032-59-9 | 9       |      |      |
| 5    | 1,2-Oxaphospholan-3-ol, 2-ethoxy... | 208 | C8H17O4P     | 039770-54-2 | 9       |      |      |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF110517\  
 Data File : BF100237.D  
 Acq On : 5 Nov 2017 21:13  
 Operator : SJ/JU  
 Sample : I6285-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P002-S003-0001-01

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.99  | 12.2    | ng    | 333949   | 1                     | 6.76  | 547040 | 20.0 |
| unknown6.54          | 6.54  | 80.3    | ng    | 2195450  | 1                     | 6.76  | 547040 | 20.0 |
| n-Hexadecanoic acid  | 11.80 | 6.5     | ng    | 178469   | 4                     | 11.29 | 552948 | 20.0 |
| unknown12.52         | 12.52 | 2.1     | ng    | 57802    | 4                     | 11.29 | 552948 | 20.0 |
| 1-Nonadecene         | 13.74 | 4.7     | ng    | 135497   | 5                     | 13.94 | 577071 | 20.0 |
| Tricosane            | 14.36 | 2.1     | ng    | 60739    | 5                     | 13.94 | 577071 | 20.0 |
| Pentacosane          | 14.98 | 2.5     | ng    | 59089    | 6                     | 15.40 | 463111 | 20.0 |
| Heptadecane, 9-oc... | 15.34 | 2.8     | ng    | 63640    | 6                     | 15.40 | 463111 | 20.0 |
| Octadecanal          | 15.53 | 2.1     | ng    | 48730    | 6                     | 15.40 | 463111 | 20.0 |
| Heptadecyl heptaf... | 15.80 | 2.6     | ng    | 61387    | 6                     | 15.40 | 463111 | 20.0 |
| Octacosane           | 16.22 | 3.4     | ng    | 79747    | 6                     | 15.40 | 463111 | 20.0 |
| Oxirane, hexadecyl-  | 16.50 | 2.8     | ng    | 65851    | 6                     | 15.40 | 463111 | 20.0 |
| Heptadecane, 2-me... | 16.77 | 5.4     | ng    | 125898   | 6                     | 15.40 | 463111 | 20.0 |
| Germanicol           | 17.03 | 6.2     | ng    | 143474   | 6                     | 15.40 | 463111 | 20.0 |
| unknown17.28         | 17.28 | 2.0     | ng    | 47282    | 6                     | 15.40 | 463111 | 20.0 |
| unknown17.84         | 17.84 | 2.4     | ng    | 54470    | 6                     | 15.40 | 463111 | 20.0 |