

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
 Data File : BF078487.D  
 Acq On : 14 Apr 2015 6:05  
 Operator : TP/IZ  
 Sample : G1787-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SD01A

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-BF040115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.244       | 3             | 5           | 27           | rVB2     | 122315         | 507426        | 11.96%          | 3.116%        |
| 2         | 1.507       | 27            | 28          | 35           | rVV      | 289265         | 507848        | 11.97%          | 3.118%        |
| 3         | 1.610       | 35            | 37          | 70           | rVB      | 1966542        | 4243959       | 100.00%         | 26.058%       |
| 4         | 4.490       | 287           | 289         | 298          | rVB      | 57376          | 88353         | 2.08%           | 0.542%        |
| 5         | 5.084       | 338           | 341         | 351          | rBV      | 519733         | 755146        | 17.79%          | 4.637%        |
| 6         | 6.433       | 456           | 459         | 466          | rBV      | 515625         | 794141        | 18.71%          | 4.876%        |
| 7         | 6.536       | 466           | 468         | 471          | rBV      | 612979         | 813990        | 19.18%          | 4.998%        |
| 8         | 6.822       | 491           | 493         | 496          | rBV      | 163989         | 230367        | 5.43%           | 1.414%        |
| 9         | 7.016       | 507           | 510         | 512          | rBV      | 517660         | 593619        | 13.99%          | 3.645%        |
| 10        | 7.530       | 553           | 555         | 557          | rBV      | 522968         | 482030        | 11.36%          | 2.960%        |
| 11        | 8.399       | 629           | 631         | 634          | rBV      | 264333         | 317672        | 7.49%           | 1.951%        |
| 12        | 9.748       | 747           | 749         | 752          | rVB      | 724839         | 935704        | 22.05%          | 5.745%        |
| 13        | 10.262      | 792           | 794         | 799          | rBV      | 39588          | 52623         | 1.24%           | 0.323%        |
| 14        | 10.559      | 818           | 820         | 823          | rBV      | 386847         | 391684        | 9.23%           | 2.405%        |
| 15        | 11.462      | 895           | 899         | 903          | rBV      | 52181          | 60292         | 1.42%           | 0.370%        |
| 16        | 11.531      | 903           | 905         | 908          | rBV2     | 521621         | 614788        | 14.49%          | 3.775%        |
| 17        | 12.388      | 977           | 980         | 981          | rBV      | 337832         | 396748        | 9.35%           | 2.436%        |
| 18        | 13.874      | 1107          | 1110        | 1113         | rBV      | 86101          | 92441         | 2.18%           | 0.568%        |
| 19        | 13.931      | 1113          | 1115        | 1118         | rVB      | 58901          | 66540         | 1.57%           | 0.409%        |
| 20        | 14.148      | 1131          | 1134        | 1136         | rBV      | 73771          | 79131         | 1.86%           | 0.486%        |
| 21        | 14.377      | 1151          | 1154        | 1156         | rVB      | 975545         | 1111482       | 26.19%          | 6.824%        |
| 22        | 15.565      | 1255          | 1258        | 1261         | rBV      | 44563          | 83862         | 1.98%           | 0.515%        |
| 23        | 15.634      | 1261          | 1264        | 1269         | rVB      | 446252         | 544136        | 12.82%          | 3.341%        |
| 24        | 15.714      | 1269          | 1271        | 1274         | rBV      | 129339         | 175592        | 4.14%           | 1.078%        |
| 25        | 16.354      | 1324          | 1327        | 1331         | rVB2     | 38487          | 73577         | 1.73%           | 0.452%        |
| 26        | 16.891      | 1372          | 1374        | 1379         | rBV      | 30312          | 68689         | 1.62%           | 0.422%        |
| 27        | 17.108      | 1390          | 1393        | 1395         | rBV      | 85611          | 107682        | 2.54%           | 0.661%        |
| 28        | 17.246      | 1403          | 1405        | 1408         | rVV2     | 28429          | 43074         | 1.01%           | 0.264%        |
| 29        | 17.314      | 1408          | 1411        | 1419         | rVB      | 365846         | 483371        | 11.39%          | 2.968%        |
| 30        | 17.851      | 1455          | 1458        | 1460         | rBV      | 35425          | 44997         | 1.06%           | 0.276%        |
| 31        | 17.954      | 1465          | 1467        | 1472         | rVB2     | 107039         | 208216        | 4.91%           | 1.278%        |
| 32        | 18.114      | 1477          | 1481        | 1484         | rBV2     | 74346          | 140063        | 3.30%           | 0.860%        |
| 33        | 18.263      | 1492          | 1494        | 1498         | rBV3     | 21566          | 45018         | 1.06%           | 0.276%        |
| 34        | 18.594      | 1519          | 1523        | 1529         | rBV      | 346784         | 616483        | 14.53%          | 3.785%        |

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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

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-BF040115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |        |       |        |
|----|--------|------|------|------|------|-------|--------|-------|--------|
| 35 | 18.732 | 1533 | 1535 | 1538 | rVV3 | 29472 | 46966  | 1.11% | 0.288% |
| 36 | 18.846 | 1542 | 1545 | 1554 | rVV5 | 28465 | 99455  | 2.34% | 0.611% |
| 37 | 19.052 | 1558 | 1563 | 1566 | rBV6 | 31059 | 96170  | 2.27% | 0.590% |
| 38 | 19.154 | 1570 | 1572 | 1579 | rVB4 | 32035 | 87110  | 2.05% | 0.535% |
| 39 | 19.680 | 1614 | 1618 | 1624 | rVB  | 78320 | 186213 | 4.39% | 1.143% |

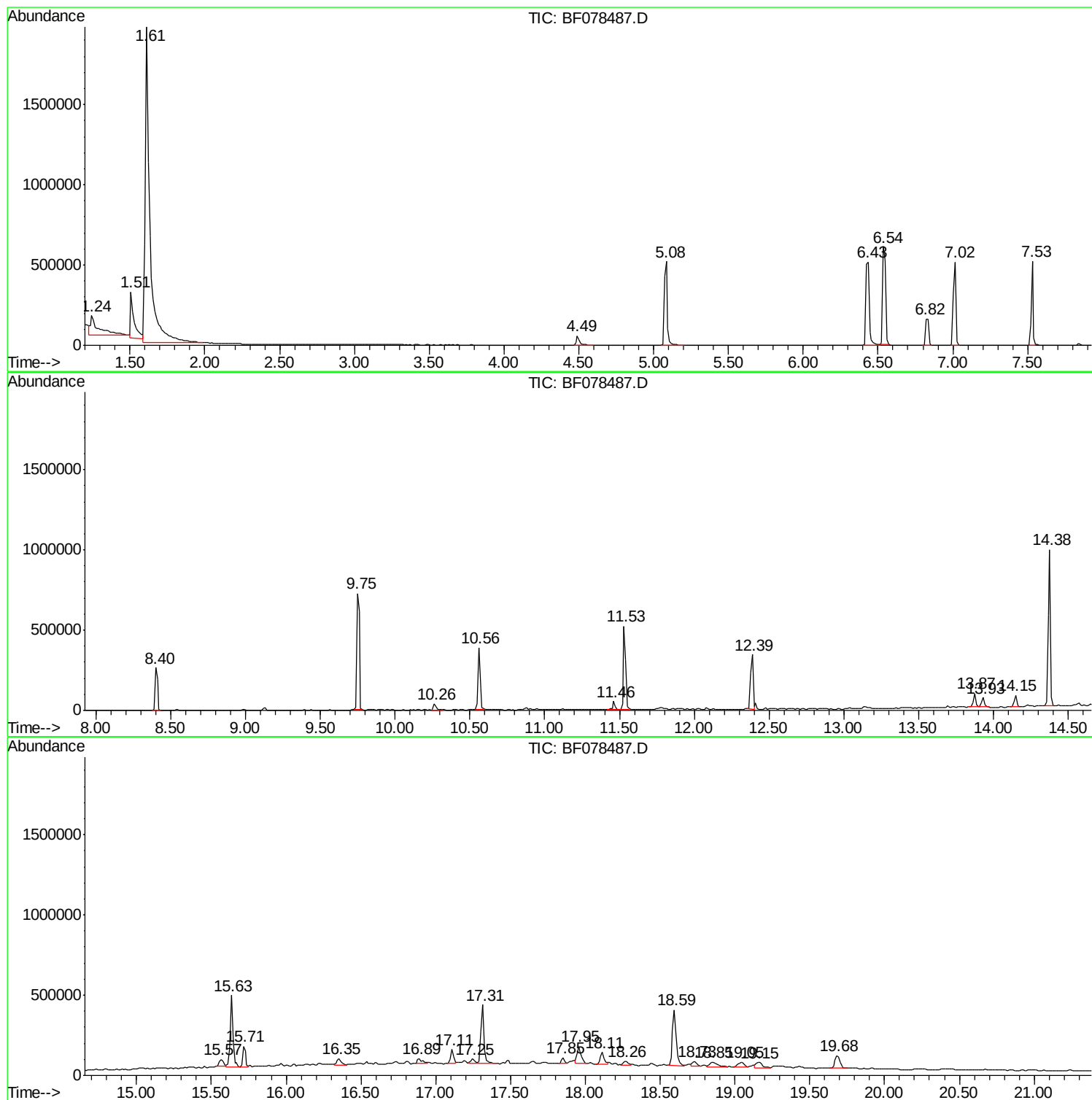
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LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

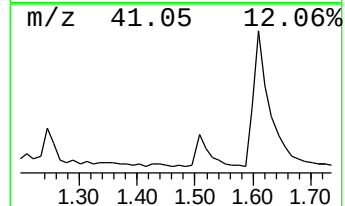
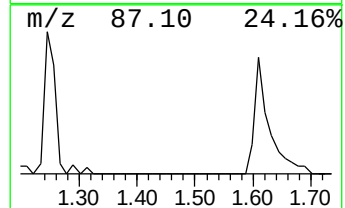
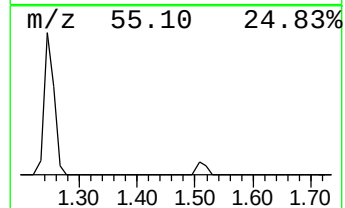
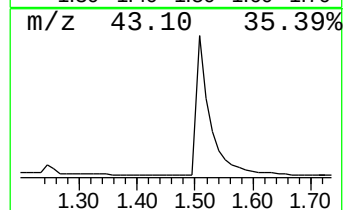
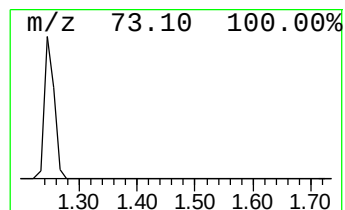
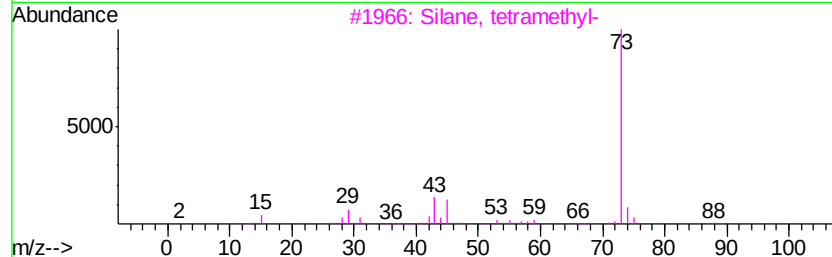
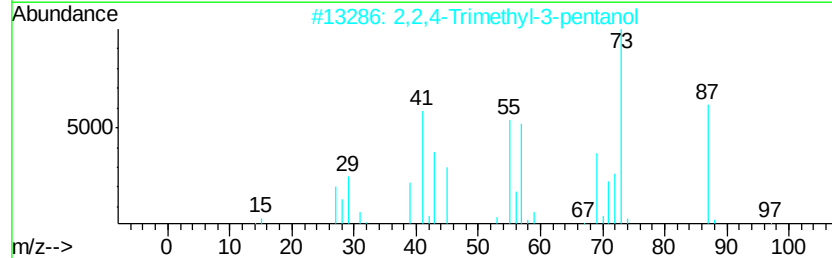
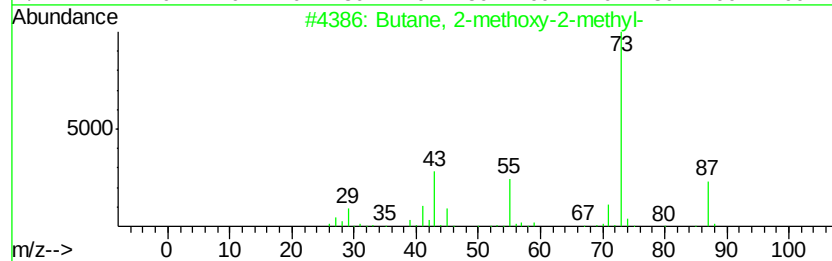
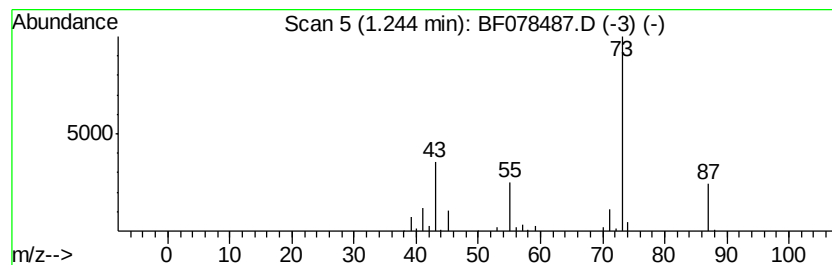
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.24 | 44.05 ng | 507426 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 43   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 23   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

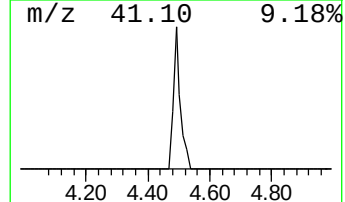
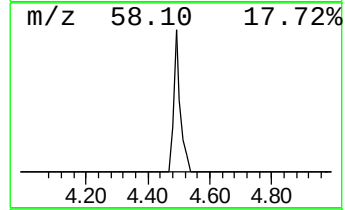
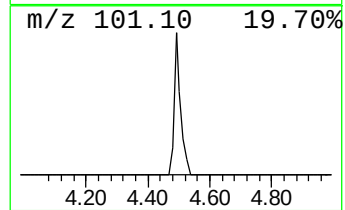
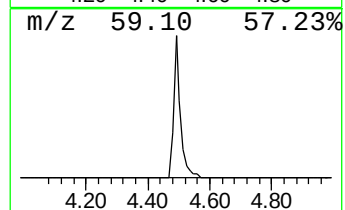
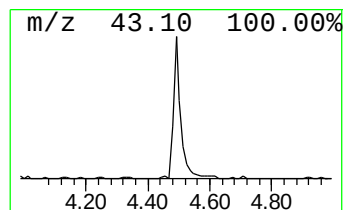
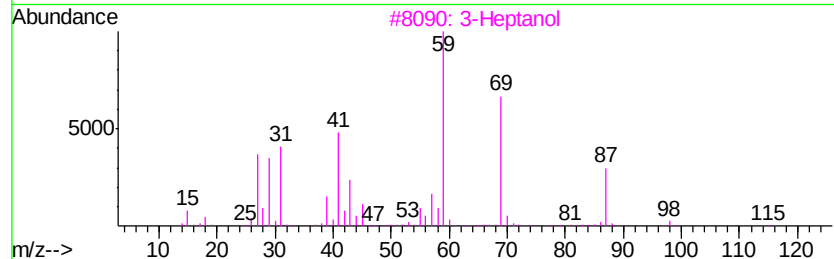
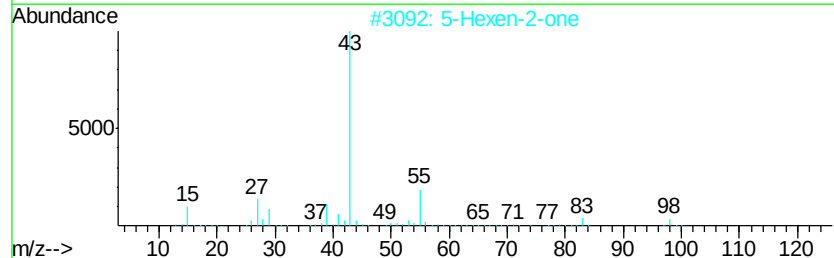
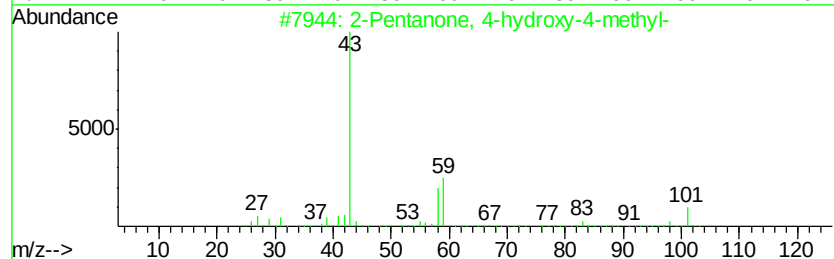
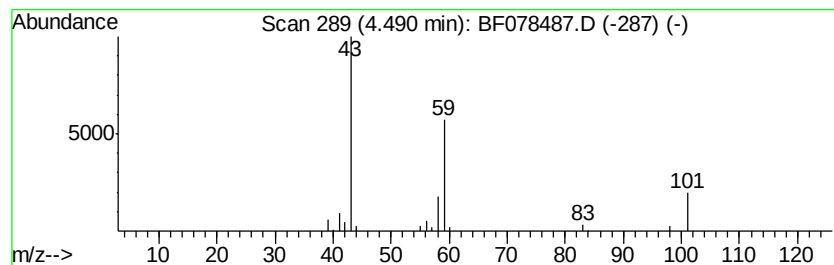
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.49 | 7.67 ng | 88353 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 3    |    | 3-Heptanol                       | 116 | C7H16O  | 000589-82-2 | 9    |
| 4    |    | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 9    |
| 5    |    | 4-Hydroxy-3-hexanone             | 116 | C6H12O2 | 004984-85-4 | 9    |



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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

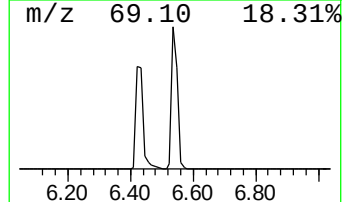
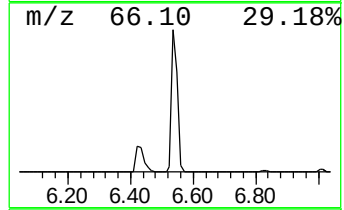
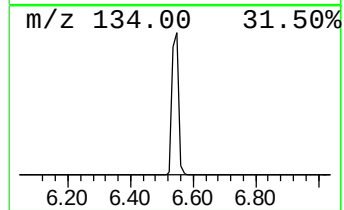
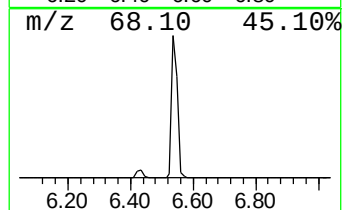
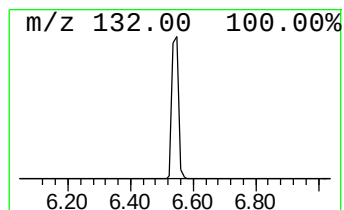
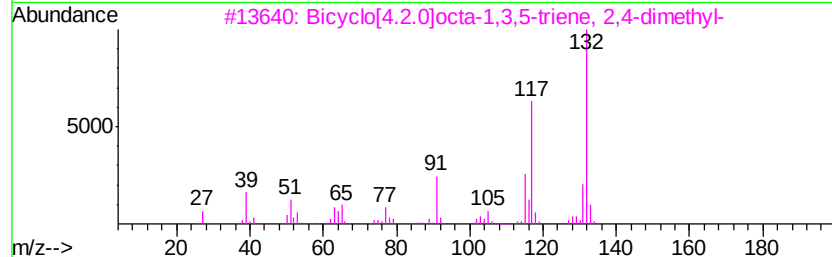
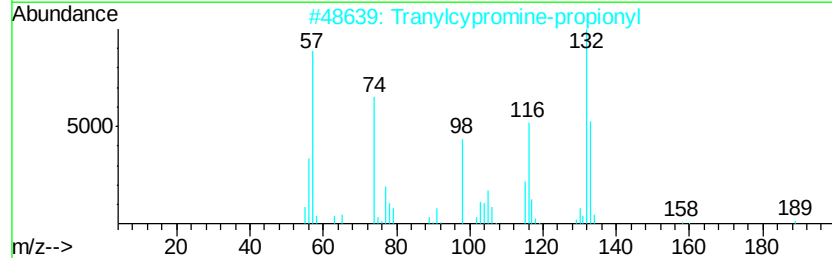
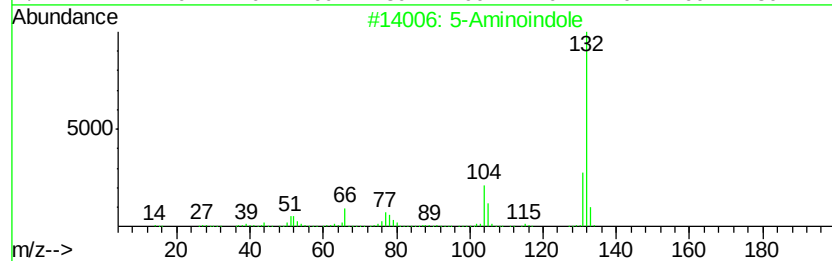
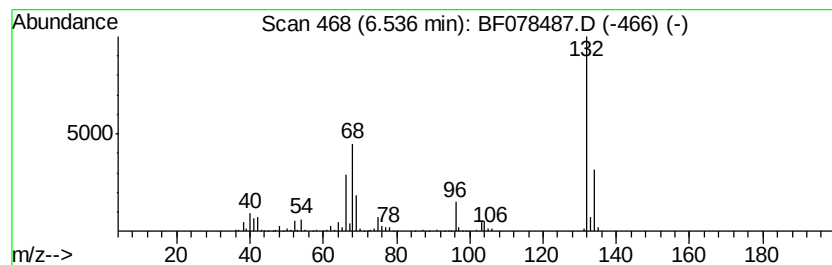
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown6.54 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.54 | 70.67 ng | 813990 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

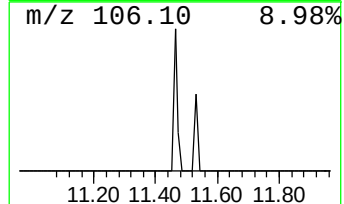
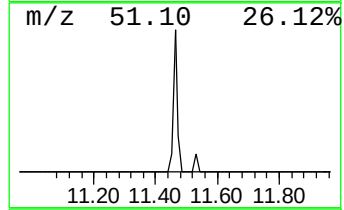
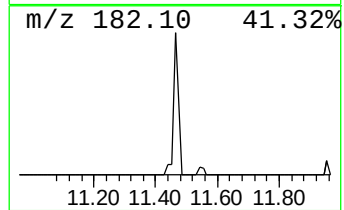
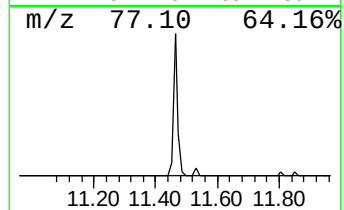
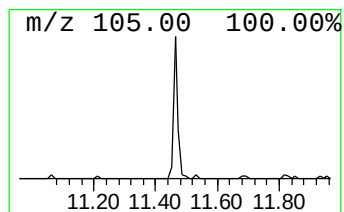
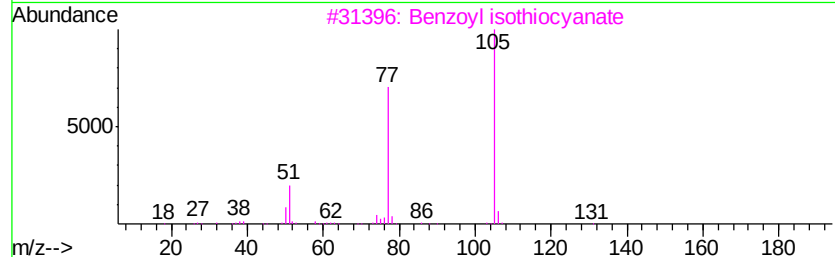
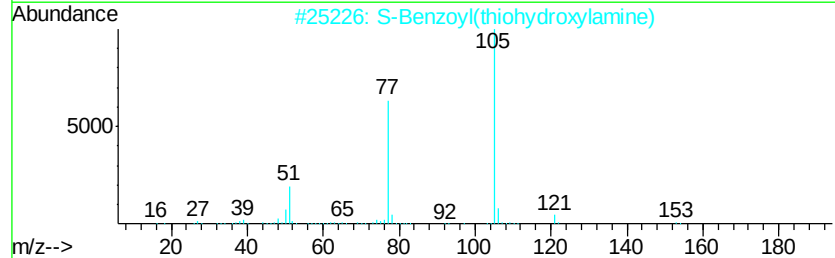
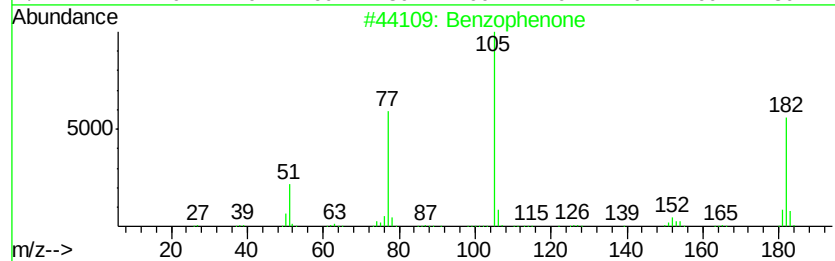
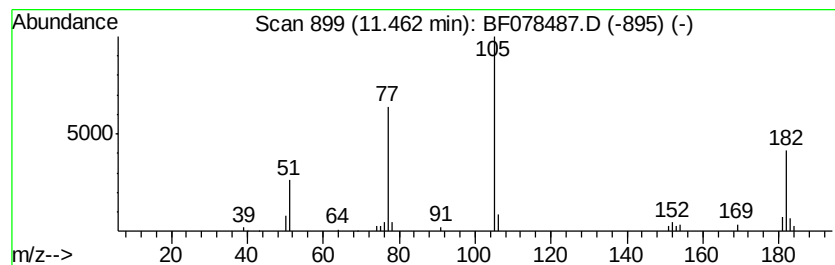
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzophenone Concentration Rank 17

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.46 | 3.08 ng | 60292 | Acenaphthene-d10 | 10.56 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 96   |
| 2    |    |   | S-Benzoyl(thiohydroxylamine)        | 153 | C7H7NOS  | 025740-80-1 | 43   |
| 3    |    |   | Benzoyl isothiocyanate              | 163 | C8H5NOS  | 000532-55-8 | 43   |
| 4    |    |   | .alpha.,.alpha.-Dichloroacetophe... | 188 | C8H6Cl2O | 002648-61-5 | 43   |
| 5    |    |   | Benzenebutanoic acid, .gamma.-ox... | 192 | C11H12O3 | 025333-24-8 | 43   |



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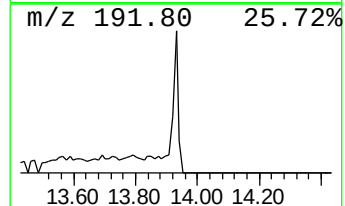
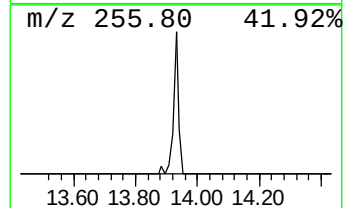
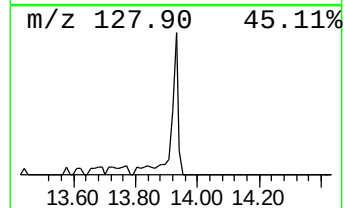
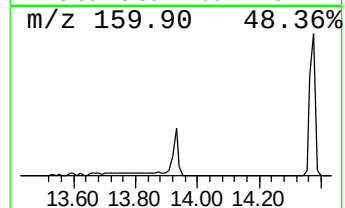
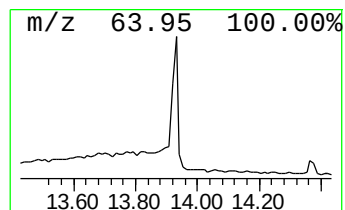
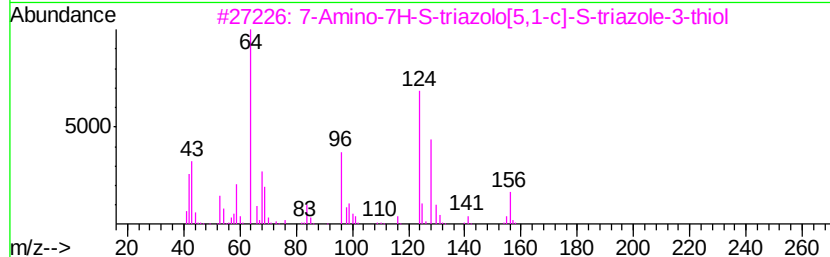
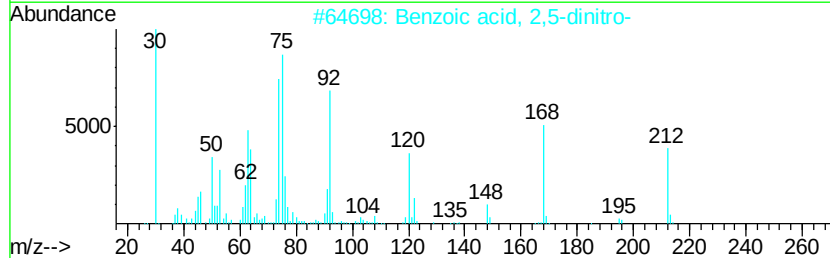
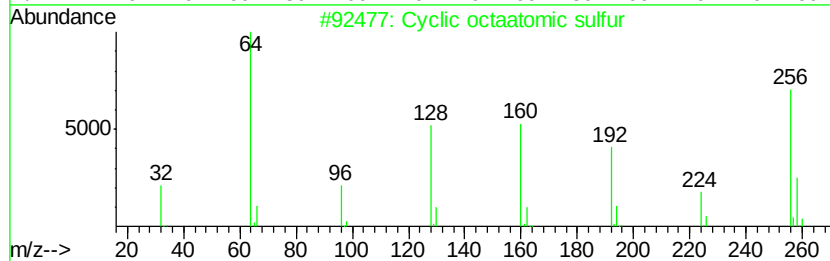
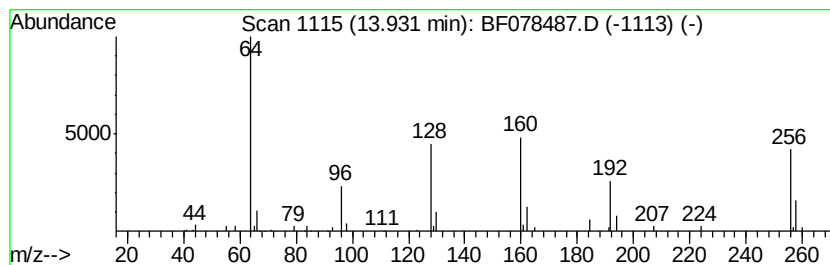
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ClientSampleId :  
LS-SD01A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Cyclic octaatomic sulfur Concentration Rank 15

| R.T.    | EstConc | Area                                | Relative to ISTD |            | R.T.         |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 13.93   | 3.35 ng | 66540                               | Phenanthrene-d10 |            | 12.39        |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | Cyclic octaatomic sulfur            | 256              | S8         | 010544-50-0  | 94   |
| 2       |         | Benzoic acid, 2,5-dinitro-          | 212              | C7H4N2O6   | 000610-28-6  | 47   |
| 3       |         | 7-Amino-7H-S-triazolo[5,1-c]-S-t... | 156              | C3H4N6S    | 013728-28-4  | 36   |
| 4       |         | Dihydropyrimidine-2-methyl thios... | 208              | C5H8N2O3S2 | 1000256-28-8 | 33   |
| 5       |         | 2-Norbornanone, 1-(epithioethyl)... | 228              | C11H16O3S  | 001782-93-0  | 9    |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

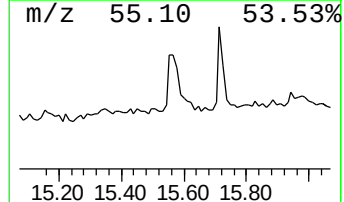
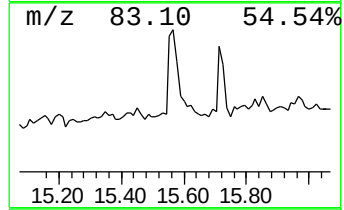
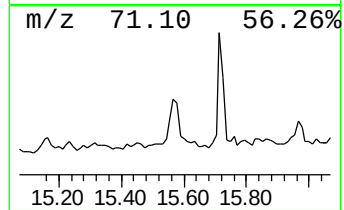
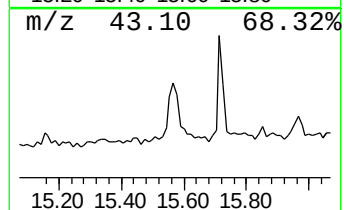
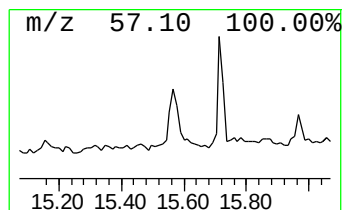
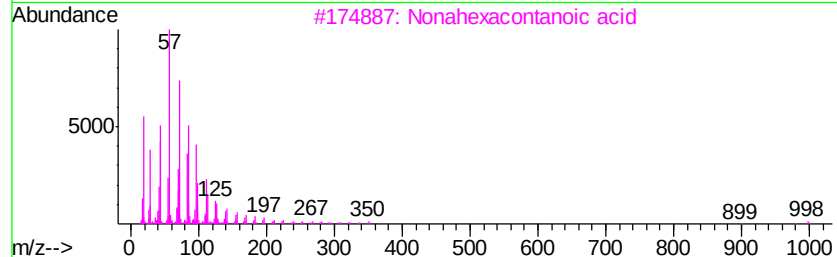
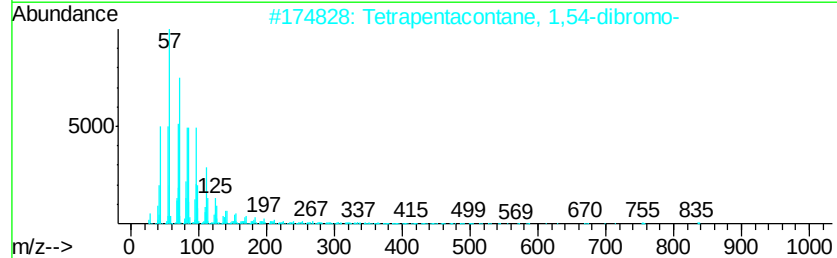
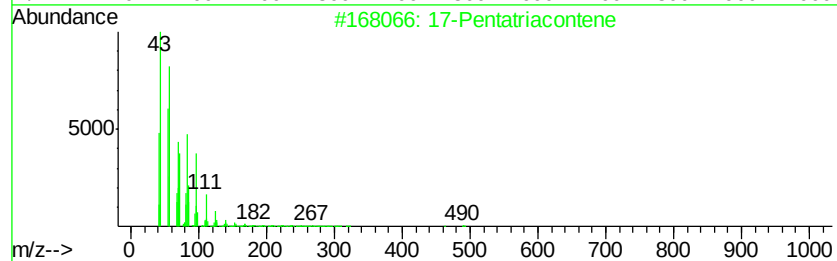
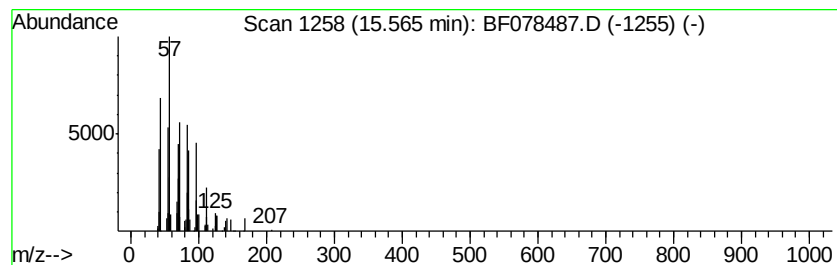
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 17-Pentatriacontene Concentration Rank 16

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.57 | 3.08 ng | 83862 | Chrysene-d12     | 15.63 |

| Hit# | of | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|------|----|---------------------------------|-----|------------|--------------|------|
| 1    | 5  | 17-Pentatriacontene             | 491 | C35H70     | 006971-40-0  | 80   |
| 2    |    | Tetrapentacotane, 1,54-dibromo- | 915 | C54H108Br2 | 1000156-09-4 | 72   |
| 3    |    | Nonahexacontanoic acid          | 999 | C69H138O2  | 040710-32-5  | 58   |
| 4    |    | 1-Decanol, 2-hexyl-             | 242 | C16H34O    | 002425-77-6  | 52   |
| 5    |    | 2-Hexyl-1-octanol               | 214 | C14H30O    | 019780-79-1  | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
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Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

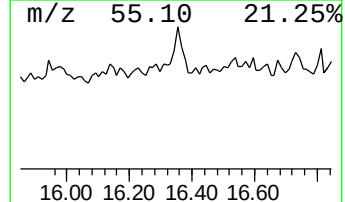
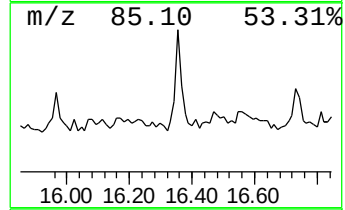
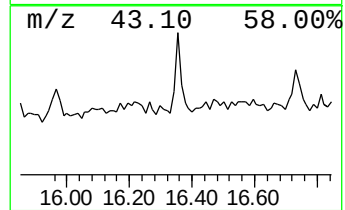
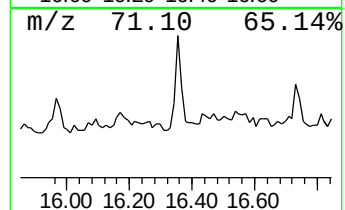
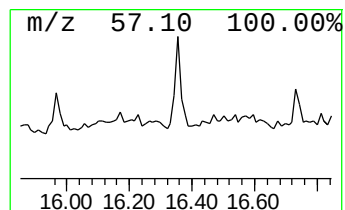
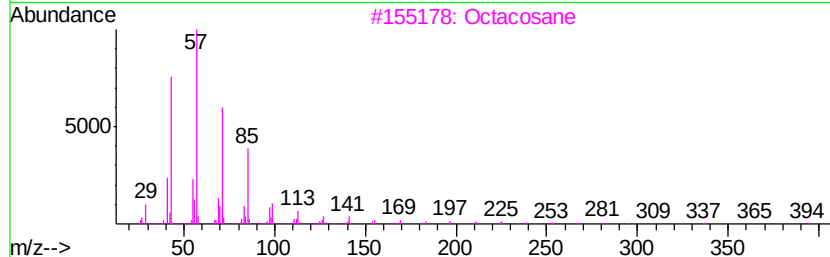
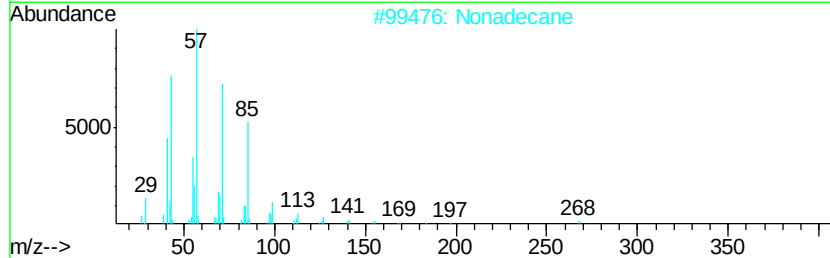
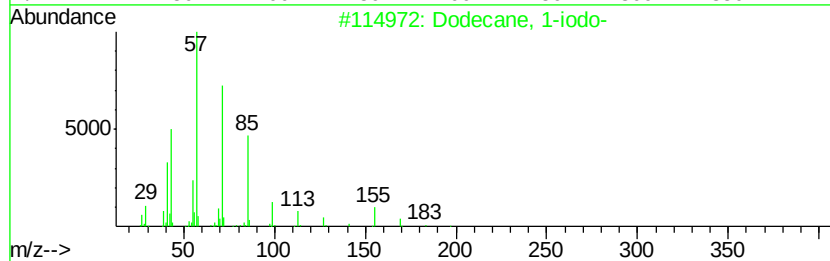
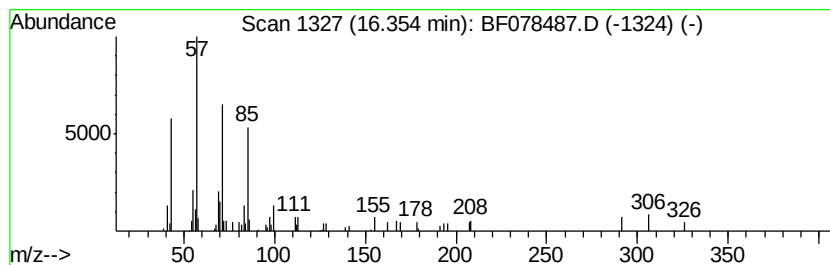
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ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Dodecane, 1-iodo- Concentration Rank 19

| R.T.    | EstConc           | Area         | Relative to ISTD | R.T.      |
|---------|-------------------|--------------|------------------|-----------|
| 16.35   | 2.70 ng           | 73577        | Chrysene-d12     | 15.63     |
| Hit# of | 5                 | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Dodecane, 1-iodo- | 296 C12H25I  | 004292-19-7      | 64        |
| 2       | Nonadecane        | 268 C19H40   | 000629-92-5      | 59        |
| 3       | Octacosane        | 394 C28H58   | 000630-02-4      | 52        |
| 4       | Eicosane          | 282 C20H42   | 000112-95-8      | 52        |
| 5       | Heptadecane       | 240 C17H36   | 000629-78-7      | 50        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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

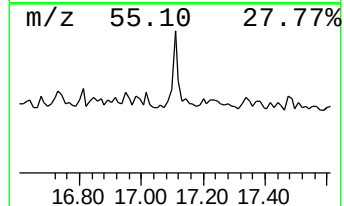
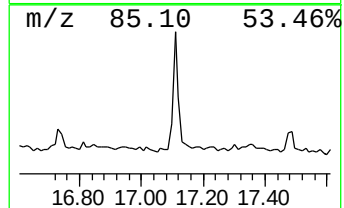
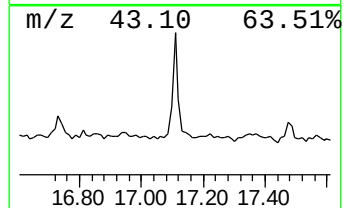
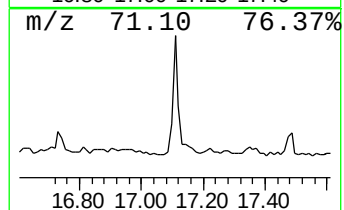
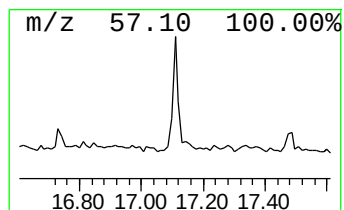
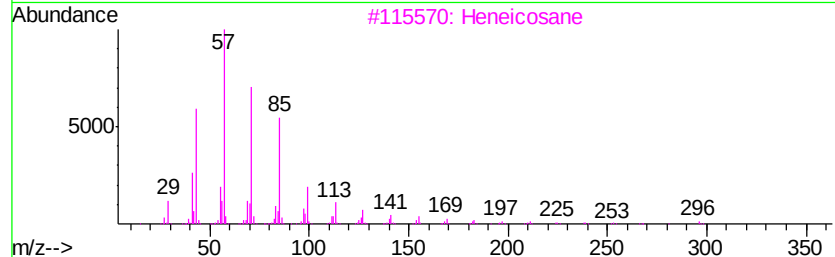
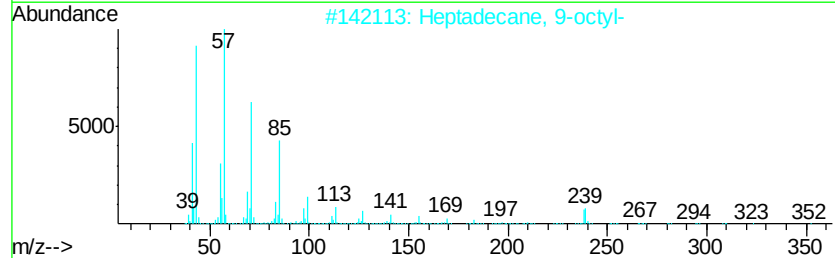
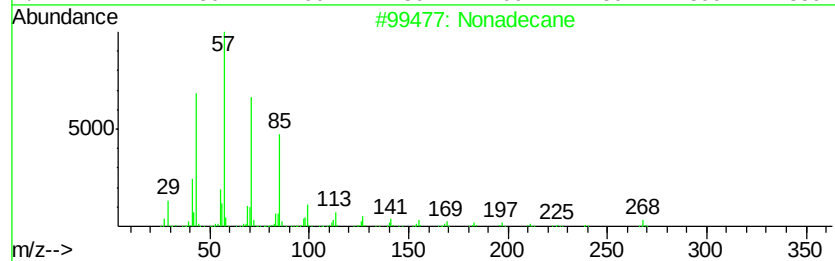
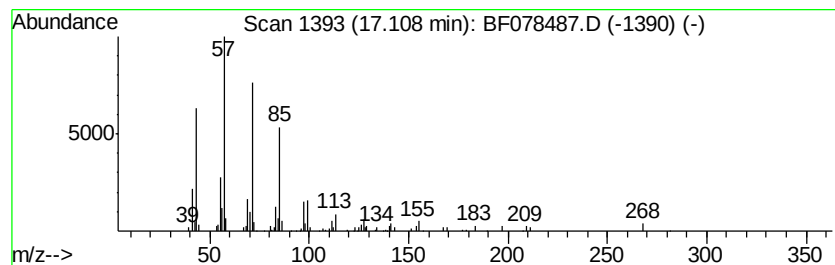
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Nonadecane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.11 | 4.46 ng | 107682 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane             | 268 | C19H40  | 000629-92-5 | 94   |
| 2    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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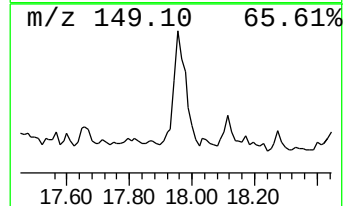
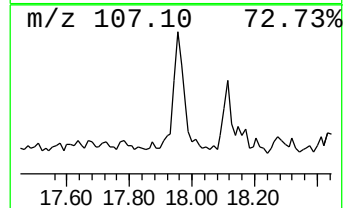
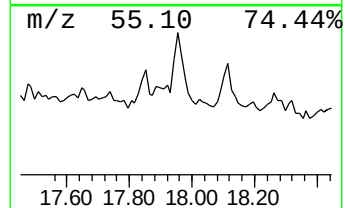
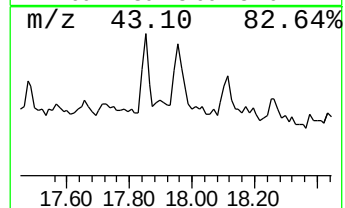
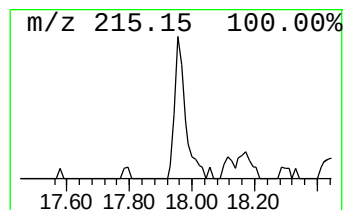
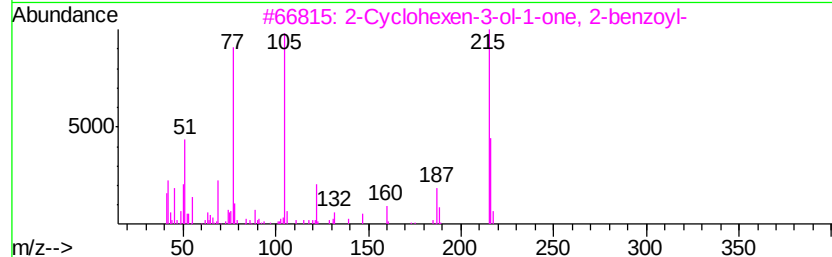
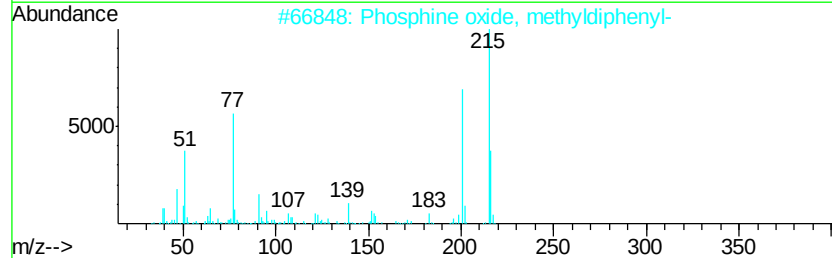
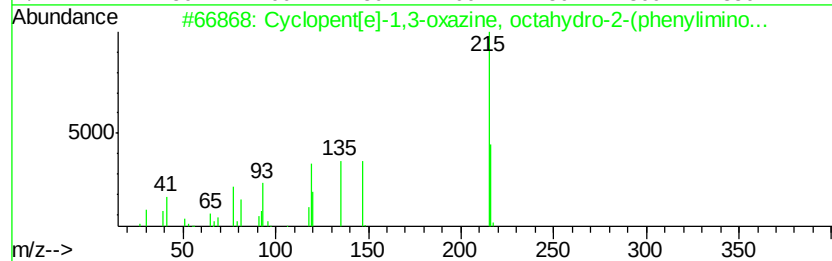
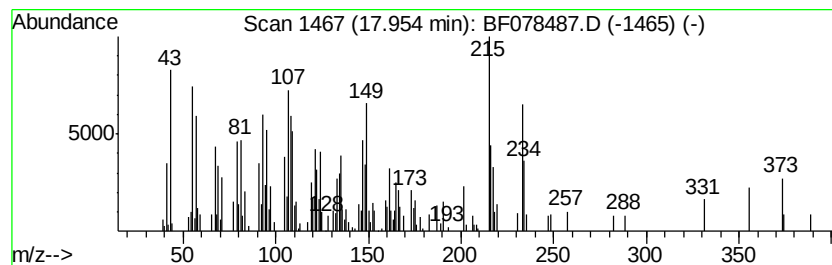
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown17.95 Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.95 | 8.62 ng | 208216 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclopent[e]-1,3-oxazine, octahy... | 216 | C13H16N2O | 1000138-92-2 | 32   |
| 2    |    | Phosphine oxide, methyldiphenyl-    | 216 | C13H13OP  | 002129-89-7  | 14   |
| 3    |    | 2-Cyclohexen-3-ol-1-one, 2-benzoyl- | 216 | C13H12O3  | 061834-43-3  | 14   |
| 4    |    | 2-Chloro-7-phenyltropone            | 216 | C13H9ClO  | 090128-01-1  | 14   |
| 5    |    | 5.alpha.,17.alpha.-Pregnan-20-on... | 318 | C21H34O2  | 005618-23-5  | 12   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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

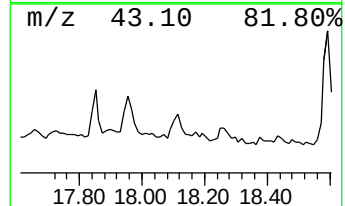
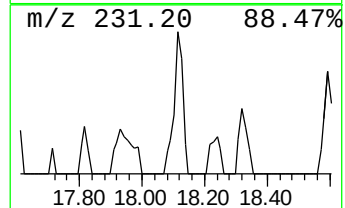
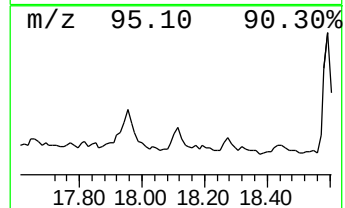
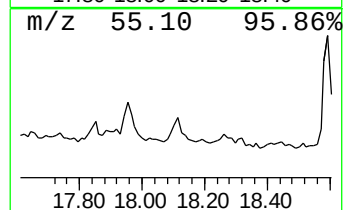
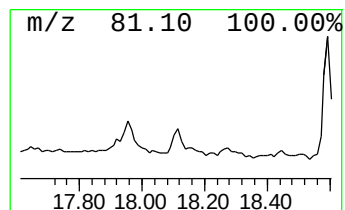
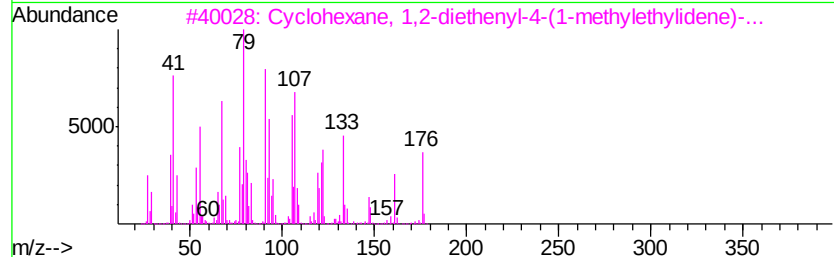
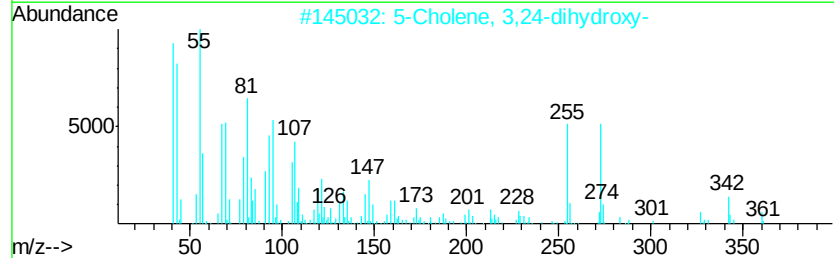
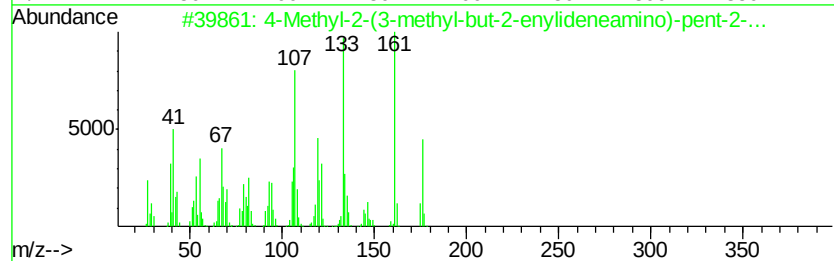
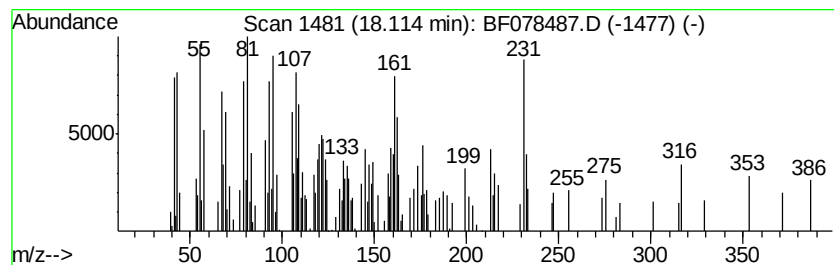
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown18.11 Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.11 | 5.80 ng | 140063 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Methyl-2-(3-methyl-but-2-enyli... | 176 | C11H16N2  | 1000185-91-3 | 38   |
| 2    |    | 5-Cholene, 3,24-dihydroxy-          | 360 | C24H40O2  | 1000251-69-2 | 22   |
| 3    |    | Cyclohexane, 1,2-diethenyl-4-(1-... | 176 | C13H20    | 034528-95-5  | 15   |
| 4    |    | 4,4,6-Trimethyl-2-[p-tolylamino]... | 232 | C14H20N2O | 037719-86-1  | 15   |
| 5    |    | 1-Isopropenyl-3-propenylcyclopen... | 150 | C11H18    | 1000192-81-2 | 15   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
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Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

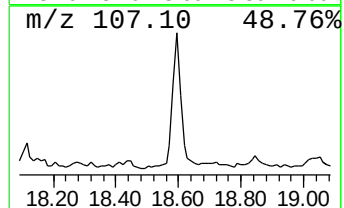
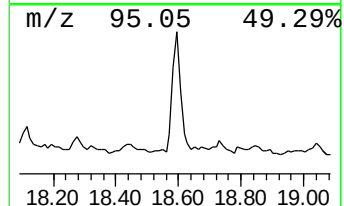
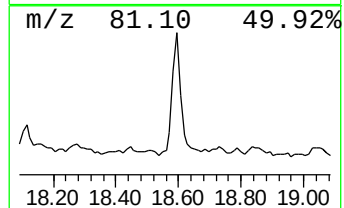
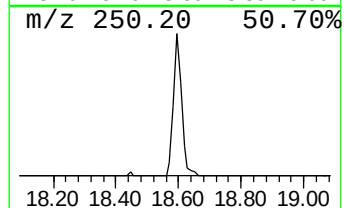
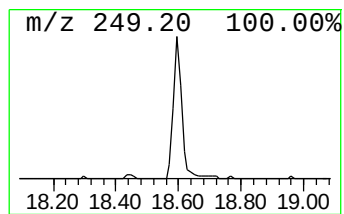
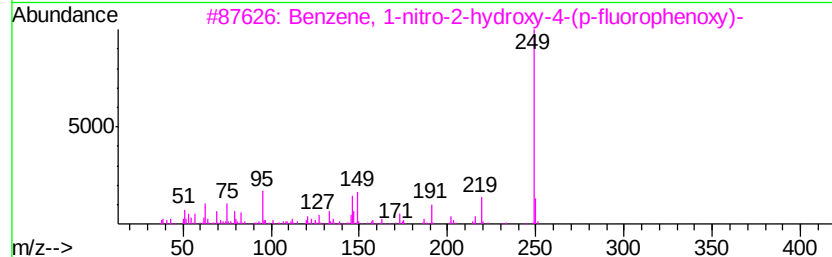
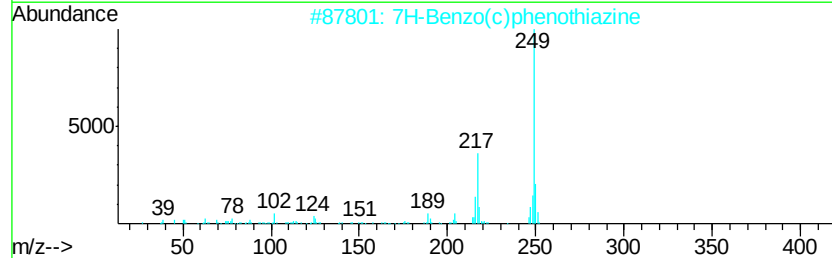
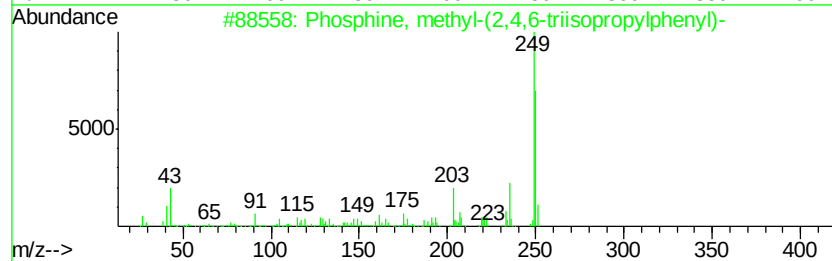
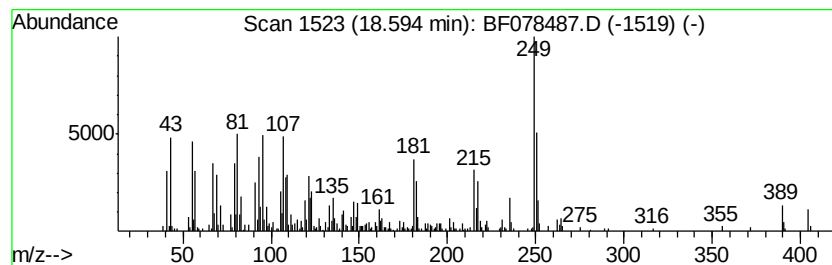
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown18.59 Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.59 | 25.51 ng | 616483 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                                   | MW  | MolForm    | CAS#        | Qual |
|------|----|------------------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Phosphine, methyl-(2,4,6-triisopropylphenyl)-  | 250 | C16H27P    | 158748-69-7 | 45   |
| 2    |    | 7H-Benzo(c)phenothiazine                       | 249 | C16H11NS   | 000226-06-2 | 38   |
| 3    |    | Benzene, 1-nitro-2-hydroxy-4-(p-fluorophenyl)- | 249 | C12H8FN04  | 189214-56-0 | 38   |
| 4    |    | 10H-Phenothiazin-3-ol, 8-chloro-               | 249 | C12H8ClNOS | 002002-32-6 | 35   |
| 5    |    | 10H-Phenothiazin-3-ol, 2-chloro-               | 249 | C12H8ClNOS | 016770-99-3 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

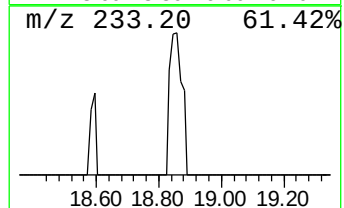
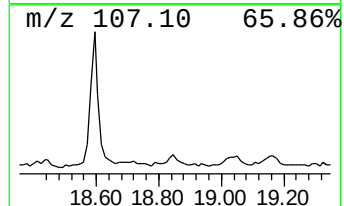
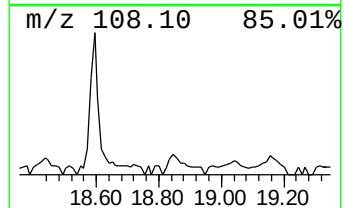
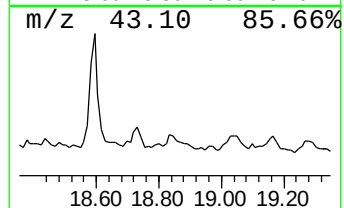
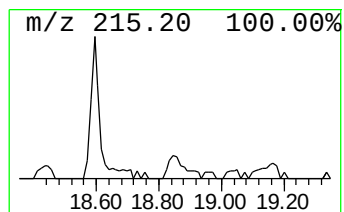
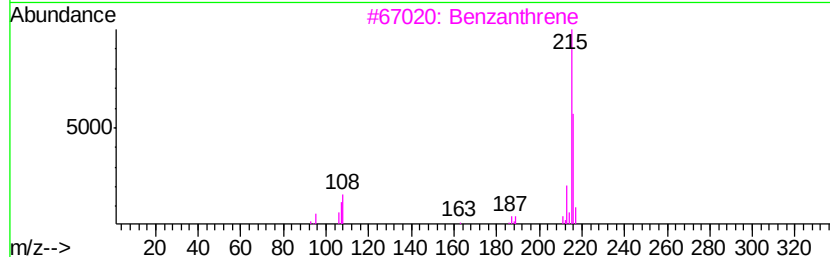
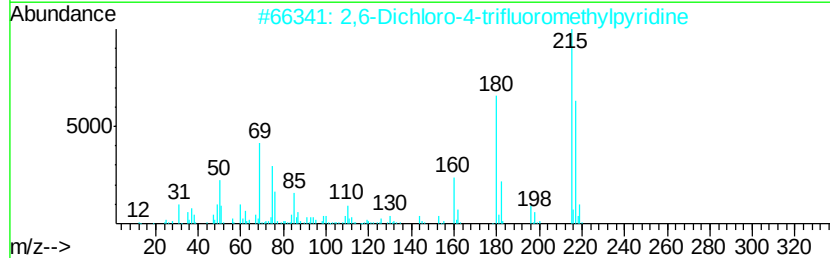
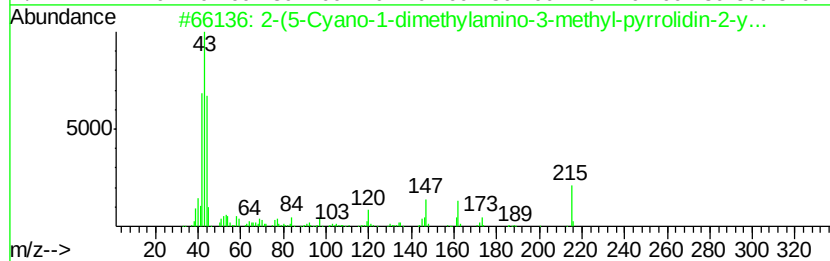
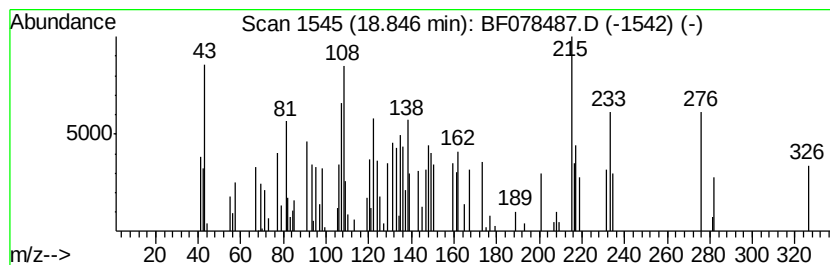
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown18.85 Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 18.85 | 4.12 ng | 99455 | Perylene-d12     | 17.31 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 2-(5-Cyano-1-dimethylamino-3-met... | 215 | C11H13N5   | 131447-31-9 | 14   |
| 2    |    |   | 2,6-Dichloro-4-trifluoromethylpy... | 215 | C6H2Cl2F3N | 039890-98-7 | 14   |
| 3    |    |   | Benzanthrene                        | 216 | C17H12     | 000199-94-0 | 11   |
| 4    |    |   | Benzene, 1-ethoxy-4-methyl-         | 136 | C9H12O     | 000622-60-6 | 11   |
| 5    |    |   | Borazine, 1,3-dimethyl-             | 109 | C2H10B3N3  | 023208-28-8 | 11   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleID :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

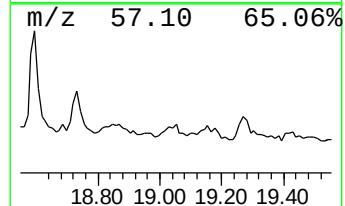
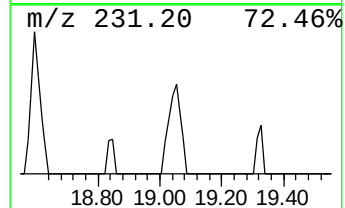
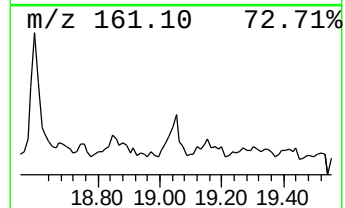
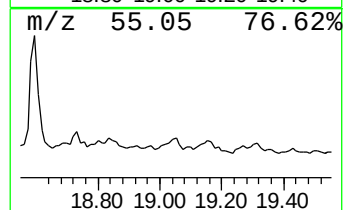
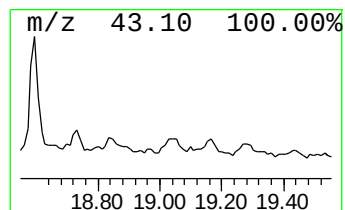
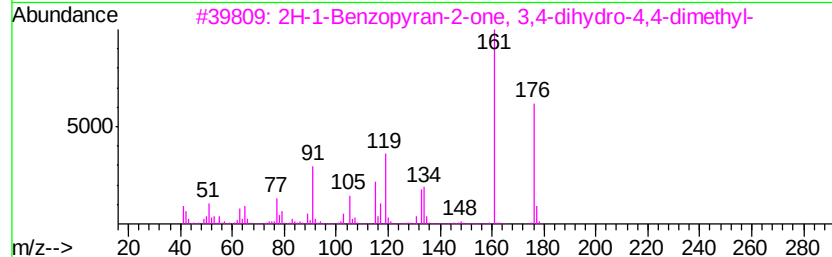
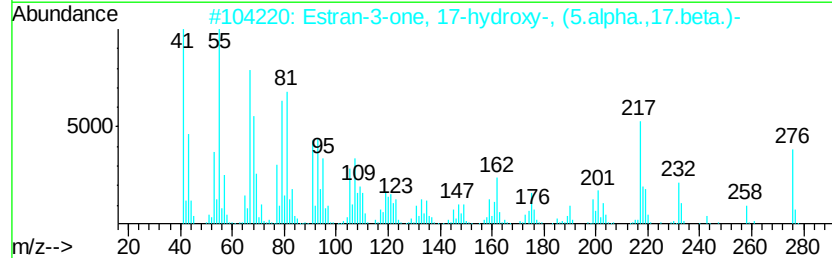
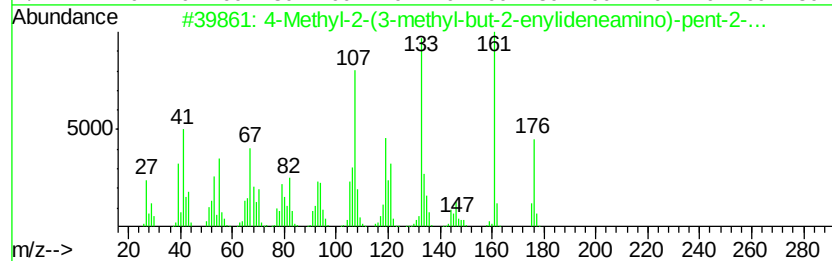
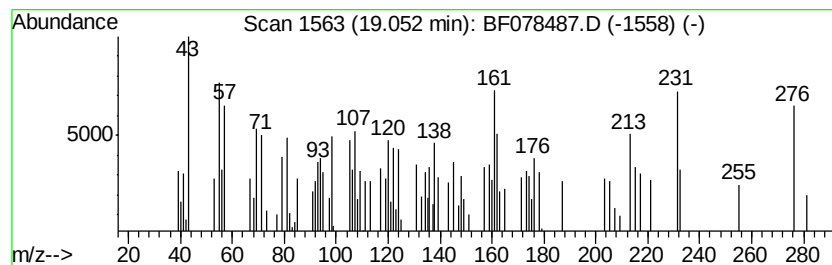
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown19.05 Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 19.05 | 3.98 ng | 96170 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                           | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Methyl-2-(3-methyl-but-2-enyl)li...  | 176 | C11H16N2  | 1000185-91-3 | 11   |
| 2    |    | Estran-3-one, 17-hydroxy-, (5.alpha... | 276 | C18H28O2  | 001434-85-1  | 10   |
| 3    |    | 2H-1-Benzopyran-2-one, 3,4-dihyd...    | 176 | C11H12O2  | 029598-22-9  | 10   |
| 4    |    | 3,5-Diamino-6-[3,4-methylenedioxi...   | 231 | C10H9N5O2 | 058848-65-0  | 10   |
| 5    |    | 3-Buten-2-one, 4-(4-methoxyphenyl)-    | 176 | C11H12O2  | 000943-88-4  | 10   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

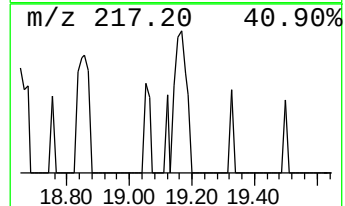
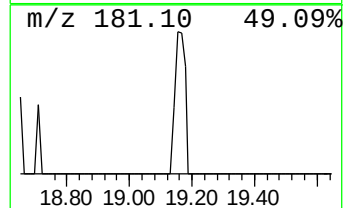
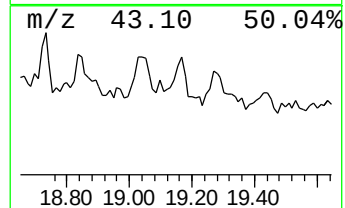
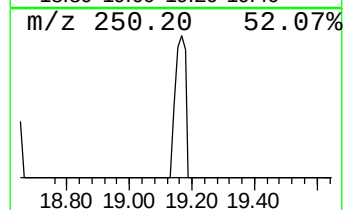
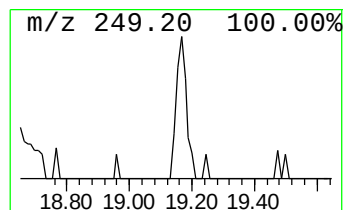
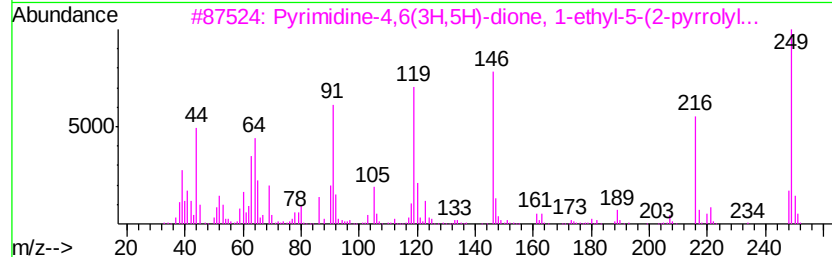
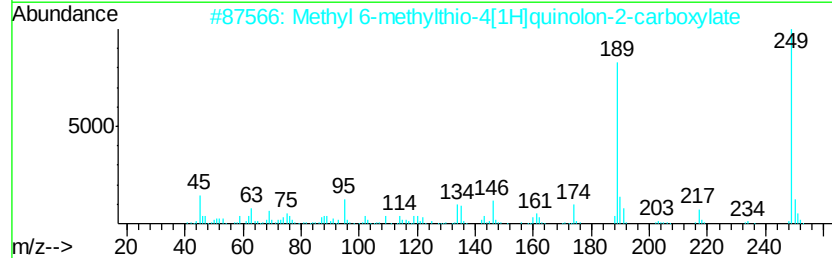
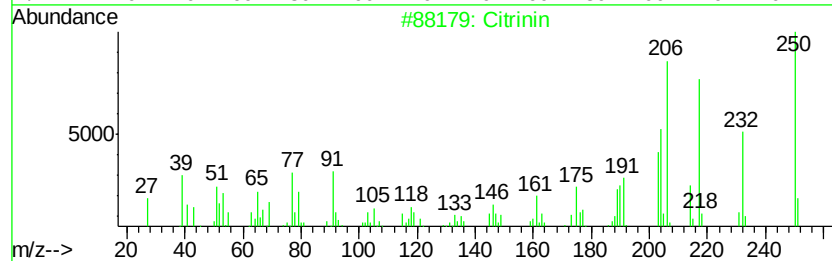
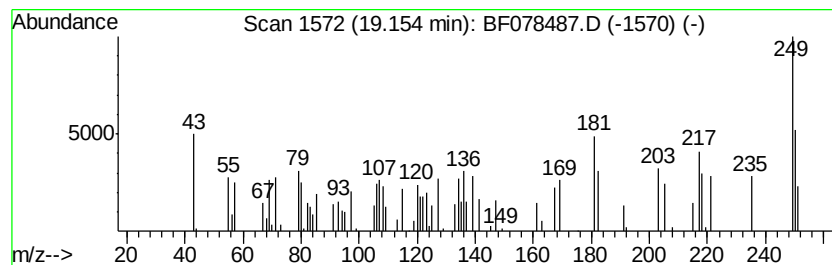
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown19.15 Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 19.15 | 3.60 ng | 87110 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Citrinin                            | 250 | C13H14O5    | 000518-75-2  | 14   |
| 2    |    | Methyl 6-methylthio-4[1H]quinolo... | 249 | C12H11N03S  | 1000255-48-3 | 10   |
| 3    |    | Pyrimidine-4,6(3H,5H)-dione, 1-e... | 249 | C11H11N3O2S | 346612-64-4  | 10   |
| 4    |    | Benzene, 1-iodo-4-nitro-            | 249 | C6H4IN02    | 000636-98-6  | 10   |
| 5    |    | Thiophene-2-thiol, 3-(4-methoxyp... | 249 | C12H11N0S2  | 1000262-77-2 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

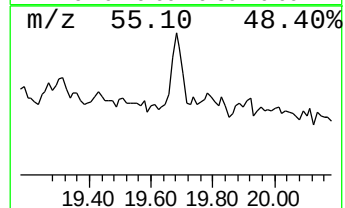
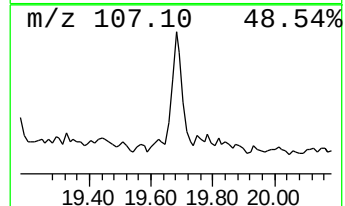
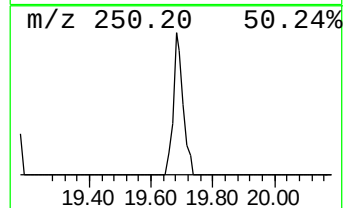
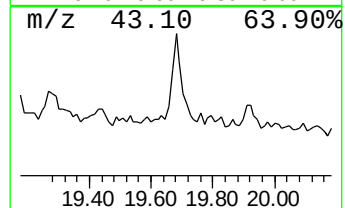
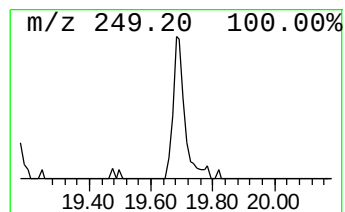
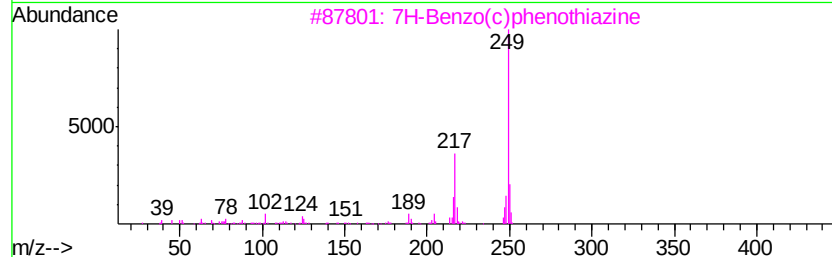
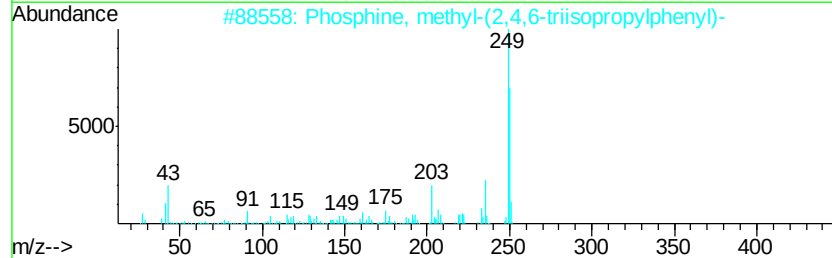
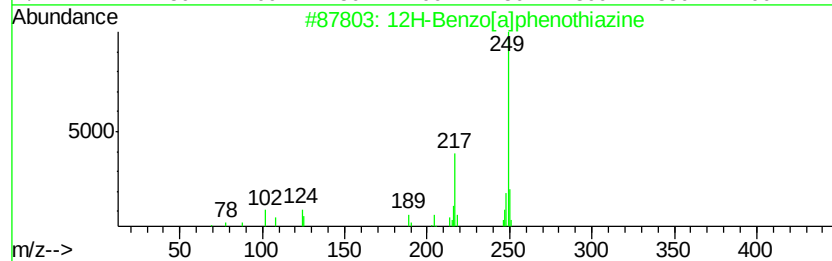
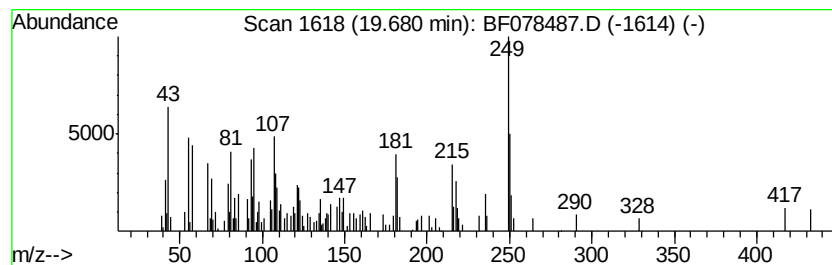
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown19.68 Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 19.68 | 7.70 ng | 186213 | Perylene-d12     | 17.31 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 12H-Benzo[a]phenothiazine           | 249 | C16H11NS | 000225-83-2  | 27   |
| 2    |    | Phosphine, methyl-(2,4,6-triisop... | 250 | C16H27P  | 158748-69-7  | 25   |
| 3    |    | 7H-Benzo(c)phenothiazine            | 249 | C16H11NS | 000226-06-2  | 22   |
| 4    |    | 3-Heptyne, 7-iodo-2,2-dimethyl-     | 250 | C9H15I   | 055402-07-8  | 18   |
| 5    |    | Bicyclo[10.4.0]hexadecane, 14,15... | 278 | C20H38   | 1000155-81-5 | 16   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041315\  
Data File : BF078487.D  
Acq On : 14 Apr 2015 6:05  
Operator : TP/IZ  
Sample : G1787-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SD01A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 1.24  | 44.0    | ng    | 507426   | 1                     | 6.83  | 230367 | 20.0 |
| 2-Pentanone, 4-hy... | 4.49  | 7.7     | ng    | 88353    | 1                     | 6.83  | 230367 | 20.0 |
| unknown6.54          | 6.54  | 70.7    | ng    | 813990   | 1                     | 6.83  | 230367 | 20.0 |
| Benzophenone         | 11.46 | 3.1     | ng    | 60292    | 3                     | 10.56 | 391684 | 20.0 |
| Cyclic octaatomic... | 13.93 | 3.4     | ng    | 66540    | 4                     | 12.39 | 396748 | 20.0 |
| 17-Pentatriacontene  | 15.57 | 3.1     | ng    | 83862    | 5                     | 15.63 | 544136 | 20.0 |
| Dodecane, 1-iodo-    | 16.35 | 2.7     | ng    | 73577    | 5                     | 15.63 | 544136 | 20.0 |
| Nonadecane           | 17.11 | 4.5     | ng    | 107682   | 6                     | 17.31 | 483371 | 20.0 |
| unknown17.95         | 17.95 | 8.6     | ng    | 208216   | 6                     | 17.31 | 483371 | 20.0 |
| unknown18.11         | 18.11 | 5.8     | ng    | 140063   | 6                     | 17.31 | 483371 | 20.0 |
| unknown18.59         | 18.59 | 25.5    | ng    | 616483   | 6                     | 17.31 | 483371 | 20.0 |
| unknown18.85         | 18.85 | 4.1     | ng    | 99455    | 6                     | 17.31 | 483371 | 20.0 |
| unknown19.05         | 19.05 | 4.0     | ng    | 96170    | 6                     | 17.31 | 483371 | 20.0 |
| unknown19.15         | 19.15 | 3.6     | ng    | 87110    | 6                     | 17.31 | 483371 | 20.0 |
| unknown19.68         | 19.68 | 7.7     | ng    | 186213   | 6                     | 17.31 | 483371 | 20.0 |