

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
 Data File : BF079447.D  
 Acq On : 22 May 2015 21:53  
 Operator : TP/IZ  
 Sample : G2367-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW3

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-BF043015.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         | 1.324       | 8             | 12          | 15           | rVB      | 252726         | 389596        | 10.85%          | 1.504%        |
| 2         | 1.484       | 23            | 26          | 29           | rVB      | 859946         | 1021431       | 28.43%          | 3.944%        |
| 3         | 1.610       | 36            | 37          | 45           | rVV      | 148047         | 240113        | 6.68%           | 0.927%        |
| 4         | 1.713       | 45            | 46          | 81           | rVB      | 1825369        | 3592347       | 100.00%         | 13.870%       |
| 5         | 4.799       | 314           | 316         | 325          | rBV      | 49840          | 96747         | 2.69%           | 0.374%        |
| 6         | 5.324       | 360           | 362         | 370          | rBV      | 635280         | 904117        | 25.17%          | 3.491%        |
| 7         | 6.627       | 474           | 476         | 485          | rBV      | 551677         | 590441        | 16.44%          | 2.280%        |
| 8         | 6.765       | 485           | 488         | 490          | rVV      | 1627335        | 1768286       | 49.22%          | 6.827%        |
| 9         | 6.833       | 492           | 494         | 499          | rVB      | 30759          | 39232         | 1.09%           | 0.151%        |
| 10        | 7.050       | 510           | 513         | 516          | rBV      | 442154         | 414061        | 11.53%          | 1.599%        |
| 11        | 7.233       | 527           | 529         | 531          | rBV      | 1813711        | 1744773       | 48.57%          | 6.737%        |
| 12        | 7.462       | 546           | 549         | 552          | rBV2     | 19109          | 38988         | 1.09%           | 0.151%        |
| 13        | 7.747       | 572           | 574         | 577          | rVB      | 1533309        | 1374299       | 38.26%          | 5.306%        |
| 14        | 8.010       | 595           | 597         | 599          | rBV      | 86396          | 75974         | 2.11%           | 0.293%        |
| 15        | 8.228       | 612           | 616         | 621          | rVB3     | 59689          | 117999        | 3.28%           | 0.456%        |
| 16        | 8.308       | 621           | 623         | 626          | rBV2     | 225321         | 326531        | 9.09%           | 1.261%        |
| 17        | 8.628       | 649           | 651         | 653          | rBV      | 701636         | 648722        | 18.06%          | 2.505%        |
| 18        | 8.662       | 653           | 654         | 656          | rVV2     | 68946          | 87794         | 2.44%           | 0.339%        |
| 19        | 8.696       | 656           | 657         | 660          | rVB      | 126048         | 103417        | 2.88%           | 0.399%        |
| 20        | 8.982       | 679           | 682         | 684          | rBV2     | 46068          | 55740         | 1.55%           | 0.215%        |
| 21        | 9.119       | 691           | 694         | 696          | rVB      | 52576          | 64928         | 1.81%           | 0.251%        |
| 22        | 9.210       | 701           | 702         | 704          | rVV      | 61028          | 80554         | 2.24%           | 0.311%        |
| 23        | 9.256       | 704           | 706         | 710          | rVV2     | 27630          | 56068         | 1.56%           | 0.216%        |
| 24        | 9.359       | 714           | 715         | 718          | rBV2     | 29883          | 41674         | 1.16%           | 0.161%        |
| 25        | 9.451       | 721           | 723         | 725          | rVB      | 89643          | 90537         | 2.52%           | 0.350%        |
| 26        | 9.519       | 725           | 729         | 731          | rBV2     | 106419         | 188551        | 5.25%           | 0.728%        |
| 27        | 9.633       | 736           | 739         | 741          | rBV      | 523085         | 521937        | 14.53%          | 2.015%        |
| 28        | 9.679       | 741           | 743         | 747          | rVB3     | 29946          | 59760         | 1.66%           | 0.231%        |
| 29        | 9.771       | 747           | 751         | 753          | rBV3     | 20882          | 46229         | 1.29%           | 0.178%        |
| 30        | 9.976       | 766           | 769         | 771          | rBV      | 3036085        | 2740175       | 76.28%          | 10.580%       |
| 31        | 10.148      | 780           | 784         | 786          | rBV2     | 21987          | 38604         | 1.07%           | 0.149%        |
| 32        | 10.216      | 786           | 790         | 792          | rVB2     | 38423          | 92928         | 2.59%           | 0.359%        |
| 33        | 10.296      | 794           | 797         | 799          | rBV      | 90238          | 159317        | 4.43%           | 0.615%        |
| 34        | 10.388      | 802           | 805         | 806          | rVV      | 135349         | 207191        | 5.77%           | 0.800%        |

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RW3

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Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 10.411 | 806  | 807  | 811  | rVV2 | 94375   | 129399  | 3.60%  | 0.500%  |
| 36 | 10.525 | 815  | 817  | 824  | rVB  | 76783   | 131927  | 3.67%  | 0.509%  |
| 37 | 10.628 | 824  | 826  | 829  | rBV  | 64532   | 67202   | 1.87%  | 0.259%  |
| 38 | 10.799 | 838  | 841  | 843  | rBV  | 540369  | 676370  | 18.83% | 2.611%  |
| 39 | 10.948 | 851  | 854  | 856  | rBV2 | 20648   | 39387   | 1.10%  | 0.152%  |
| 40 | 11.051 | 860  | 863  | 866  | rVB3 | 31825   | 54102   | 1.51%  | 0.209%  |
| 41 | 11.199 | 874  | 876  | 878  | rBV2 | 35931   | 48203   | 1.34%  | 0.186%  |
| 42 | 11.474 | 898  | 900  | 902  | rVB  | 48728   | 46665   | 1.30%  | 0.180%  |
| 43 | 11.554 | 905  | 907  | 908  | rBV  | 52808   | 49816   | 1.39%  | 0.192%  |
| 44 | 11.771 | 924  | 926  | 929  | rBV2 | 1414557 | 1771424 | 49.31% | 6.839%  |
| 45 | 12.628 | 999  | 1001 | 1003 | rBV  | 583222  | 679369  | 18.91% | 2.623%  |
| 46 | 13.371 | 1062 | 1066 | 1072 | rBV5 | 25446   | 74499   | 2.07%  | 0.288%  |
| 47 | 14.628 | 1173 | 1176 | 1179 | rBV  | 2657886 | 2704125 | 75.27% | 10.441% |
| 48 | 15.805 | 1276 | 1279 | 1286 | rBV  | 40979   | 80067   | 2.23%  | 0.309%  |
| 49 | 15.920 | 1286 | 1289 | 1291 | rBV  | 484436  | 661084  | 18.40% | 2.552%  |
| 50 | 17.668 | 1439 | 1442 | 1447 | rBV  | 450329  | 667505  | 18.58% | 2.577%  |

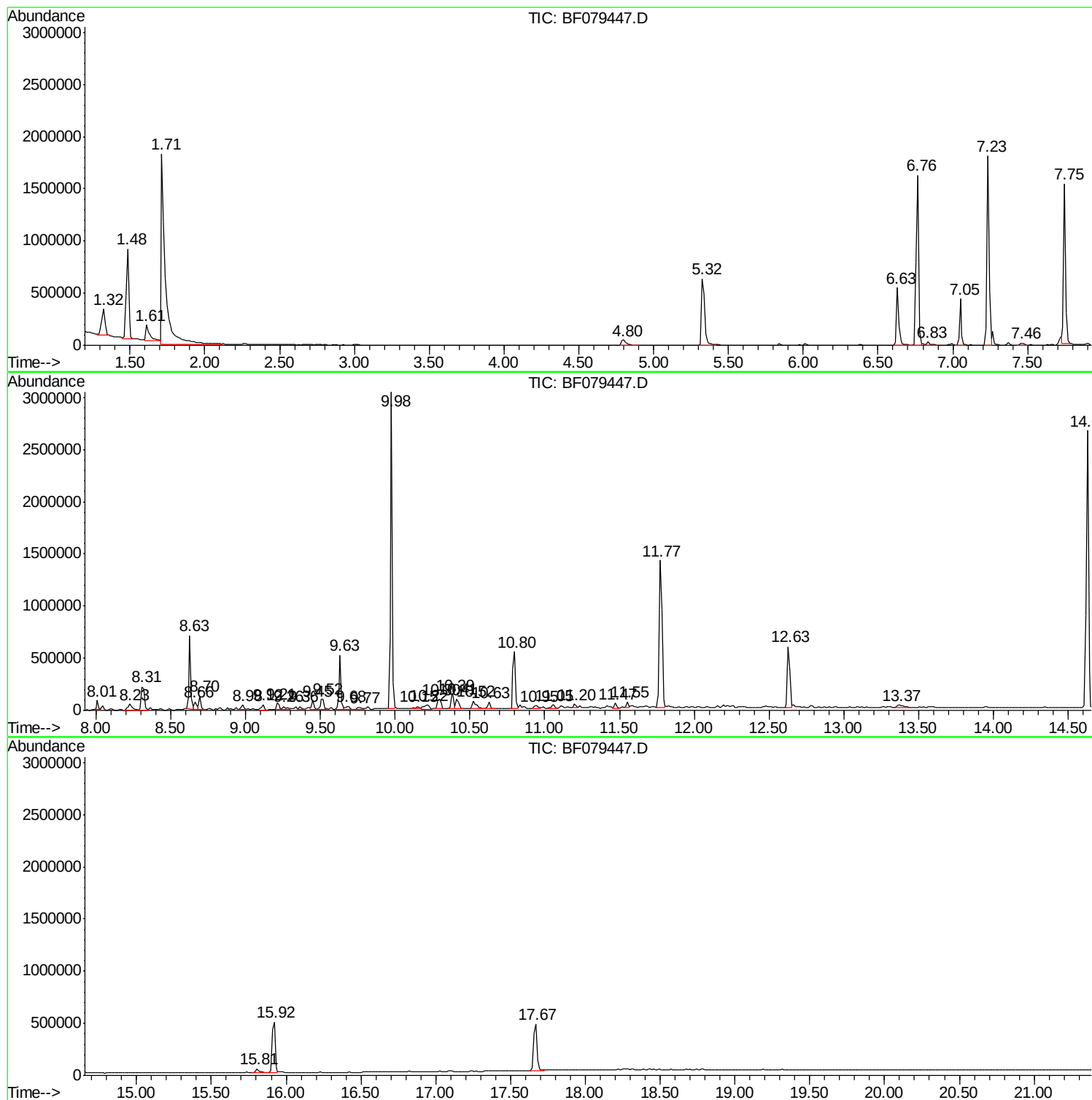
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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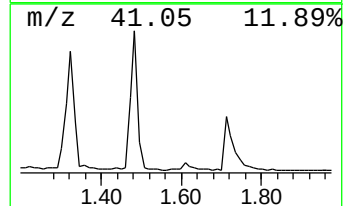
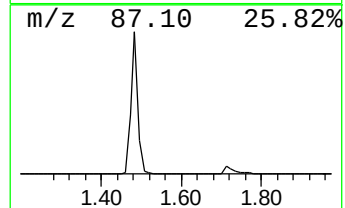
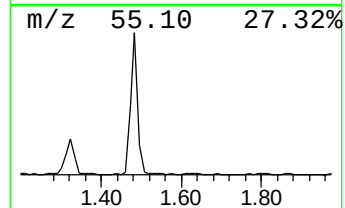
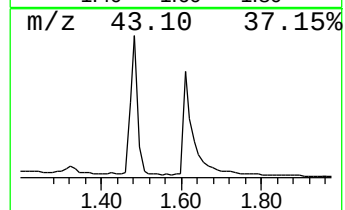
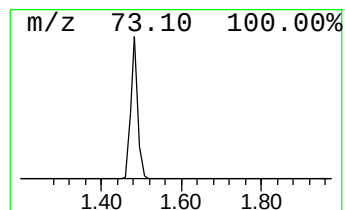
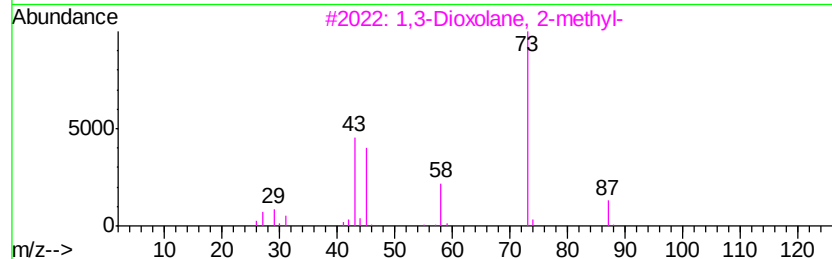
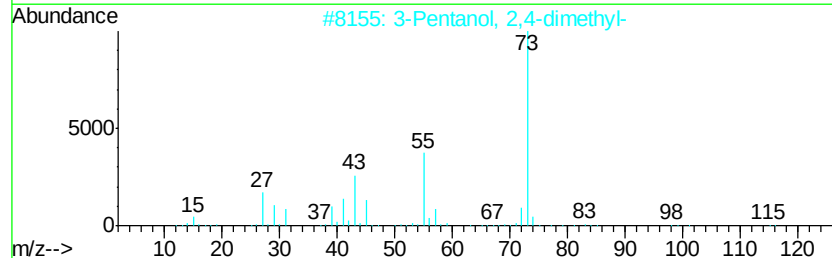
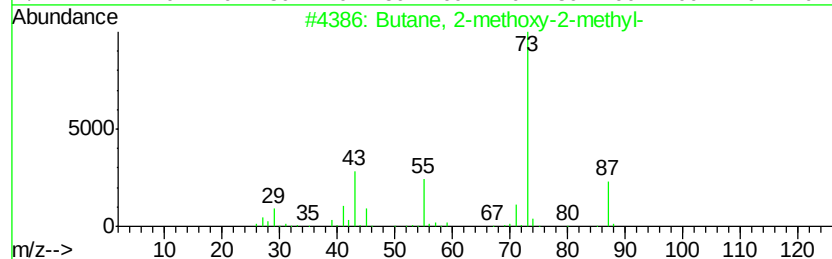
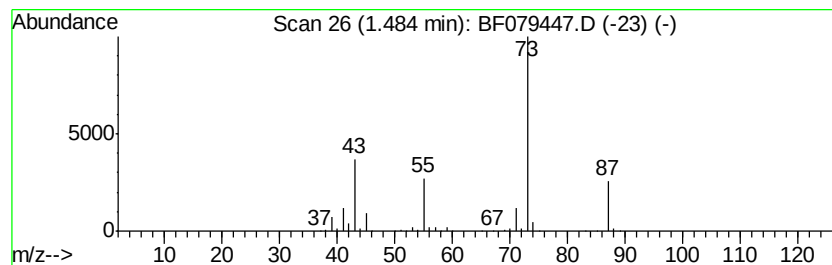
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 1.48 | 49.34 ng | 1021430 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

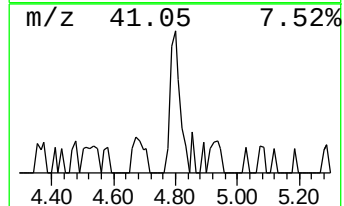
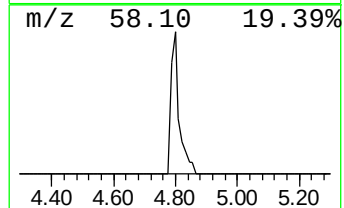
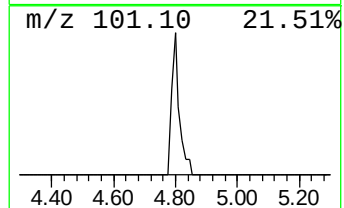
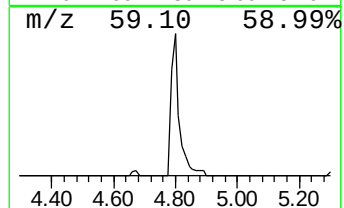
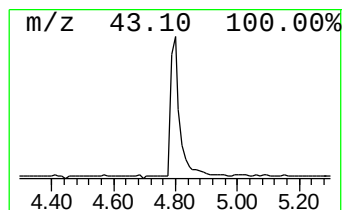
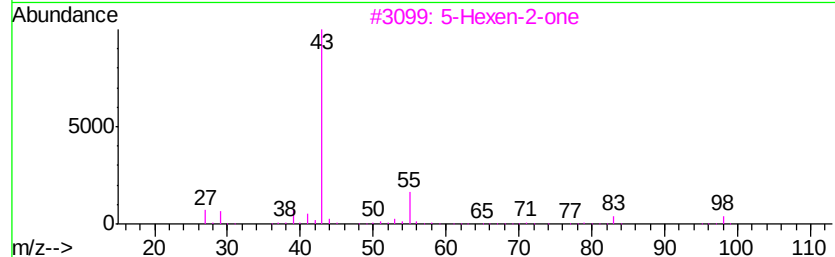
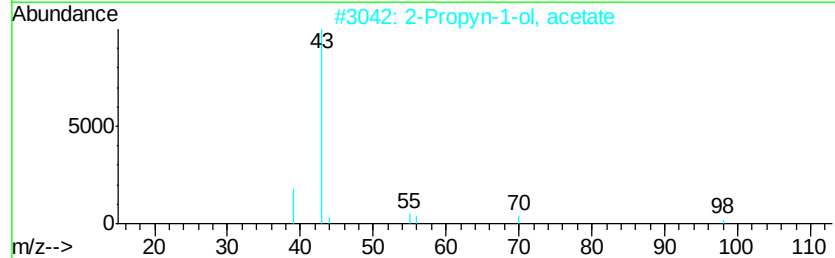
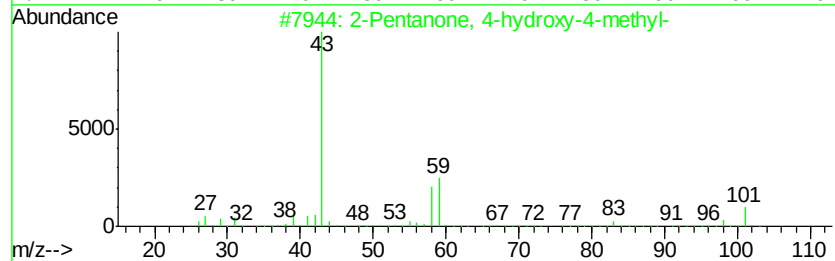
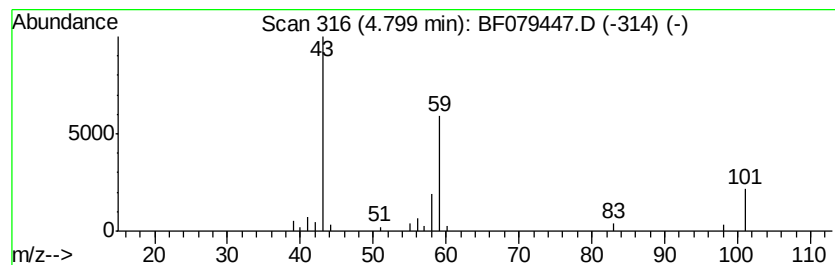
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.80 | 4.67 ng | 96747 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# of | 5                                | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|----------------------------------|--------------|---------|-------------|------|------|
| 1       | 2-Pentanone, 4-hydroxy-4-methyl- | 116          | C6H12O2 | 000123-42-2 | 53   |      |
| 2       | 2-Propyn-1-ol, acetate           | 98           | C5H6O2  | 000627-09-8 | 9    |      |
| 3       | 5-Hexen-2-one                    | 98           | C6H10O  | 000109-49-9 | 9    |      |
| 4       | Guanidine                        | 59           | CH5N3   | 000113-00-8 | 9    |      |
| 5       | Acetone                          | 58           | C3H6O   | 000067-64-1 | 9    |      |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

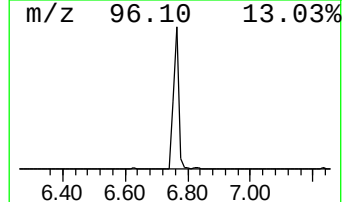
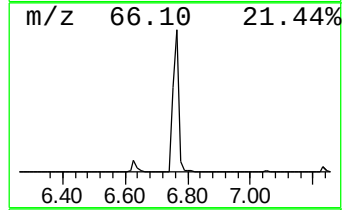
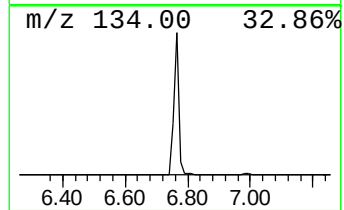
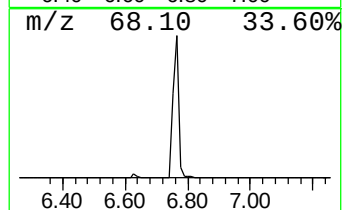
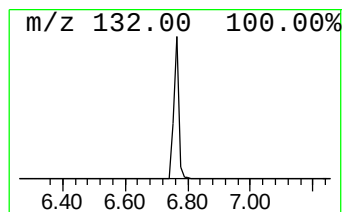
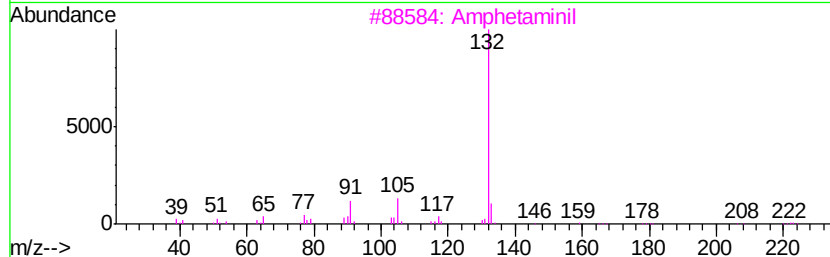
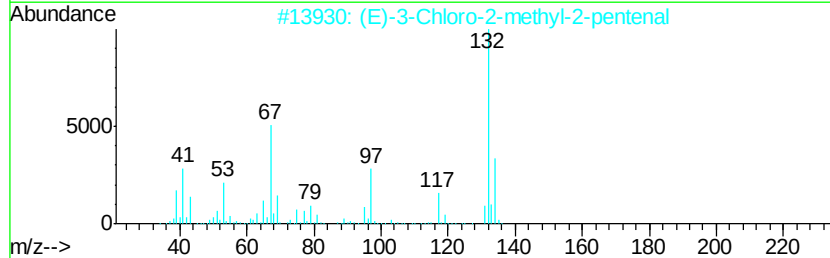
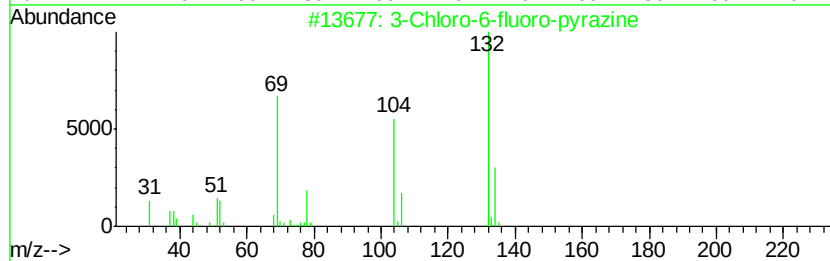
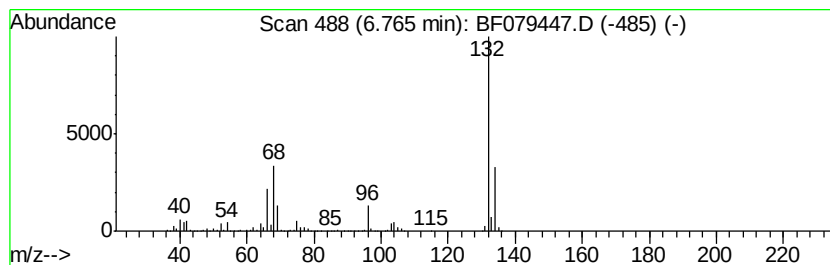
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown6.76 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.76 | 85.41 ng | 1768290 | 1,4-Dichlorobenzene-d4 | 7.05 |

| Hit# of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|---------|---|----------------------------------|-----|-----------|--------------|------|
| 1       |   | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2       |   | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3       |   | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4       |   | Tranvlcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5       |   | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

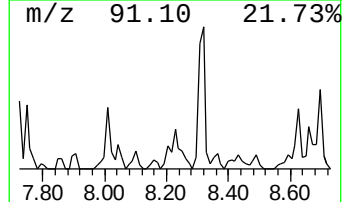
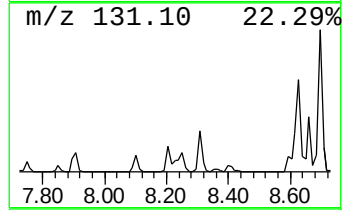
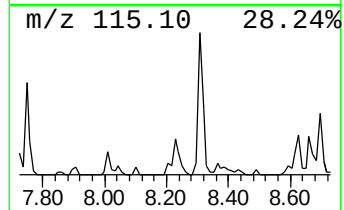
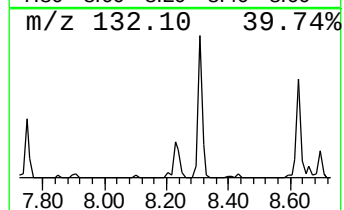
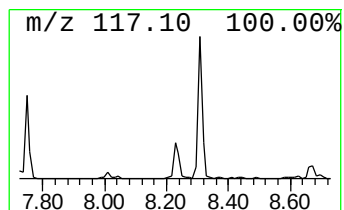
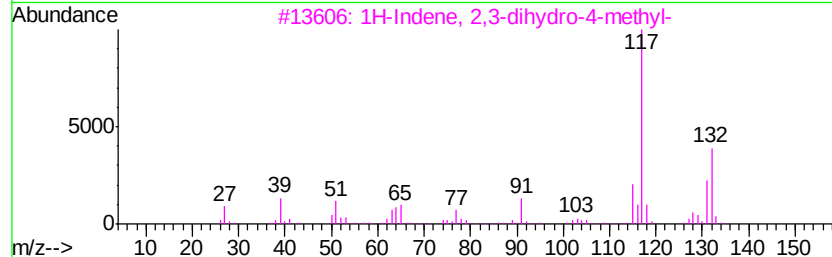
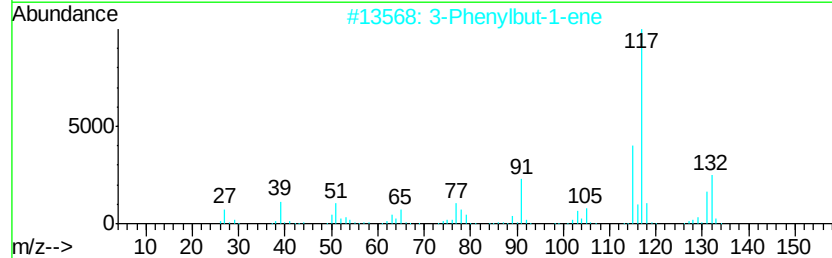
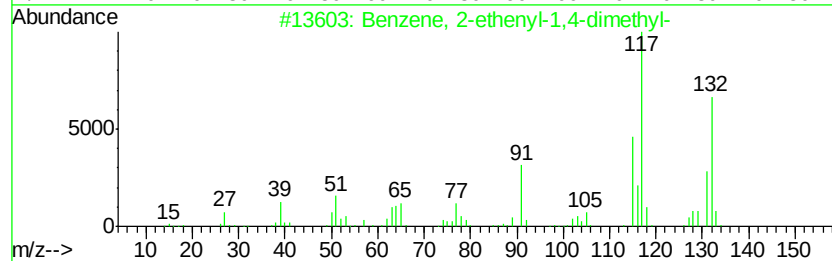
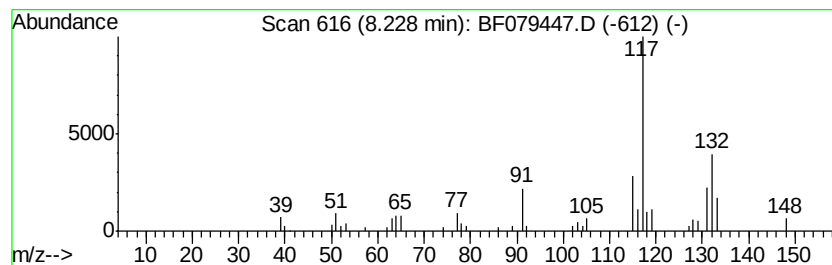
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.23 | 3.64 ng | 117999 | Napthalene-d8    | 8.63 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 91   |
| 2    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 90   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 87   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 87   |
| 5    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 83   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

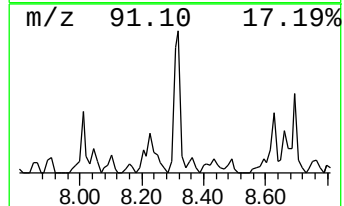
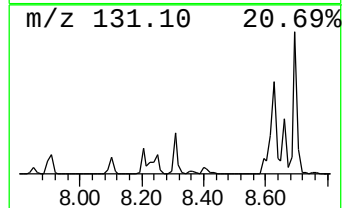
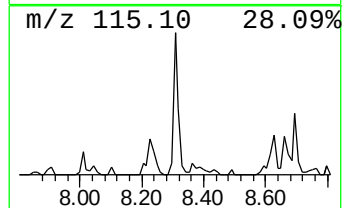
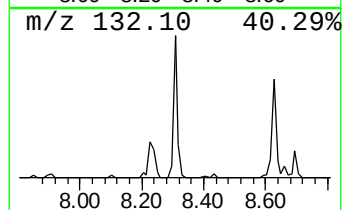
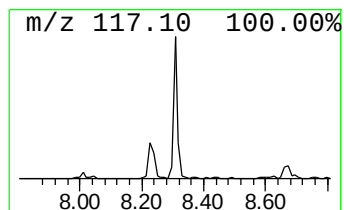
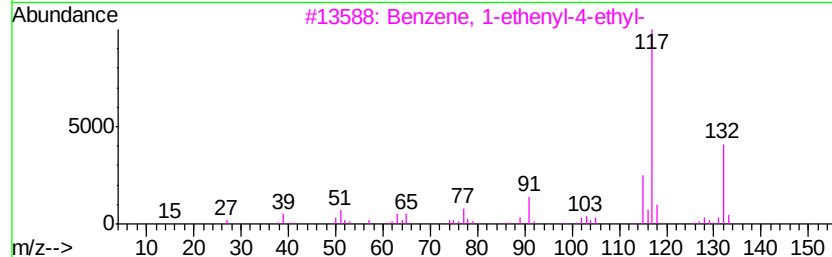
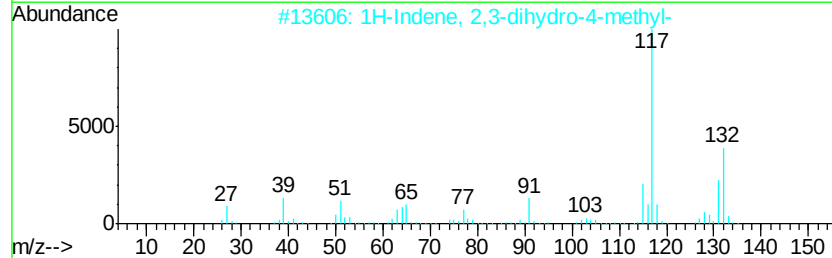
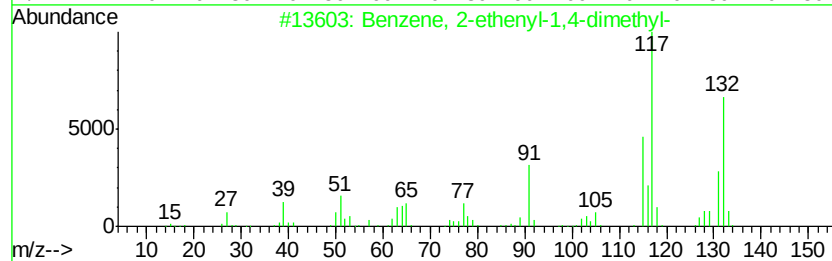
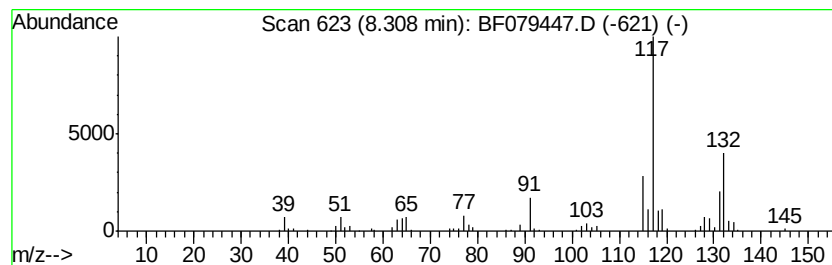
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.31 | 10.07 ng | 326531 | Napthalene-d8    | 8.63 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 93   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 91   |
| 4    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 87   |
| 5    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 87   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

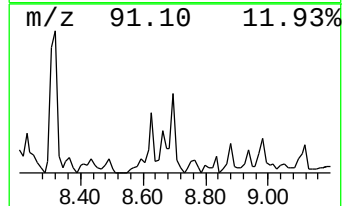
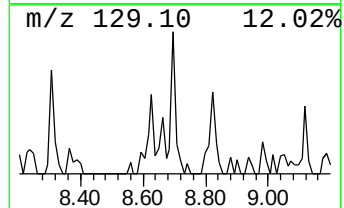
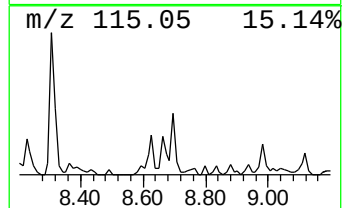
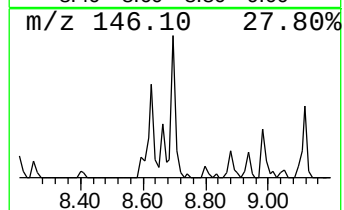
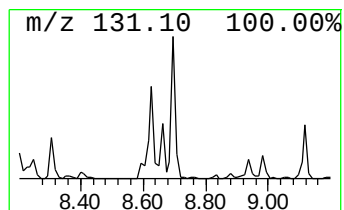
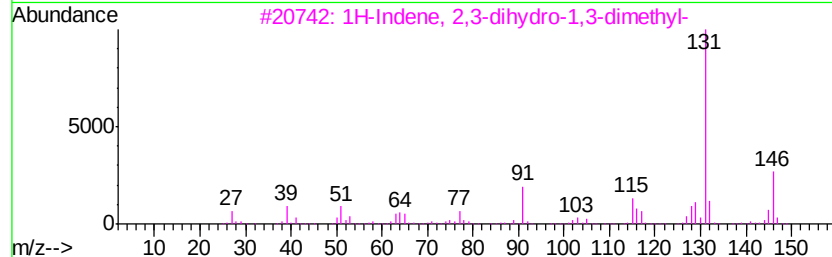
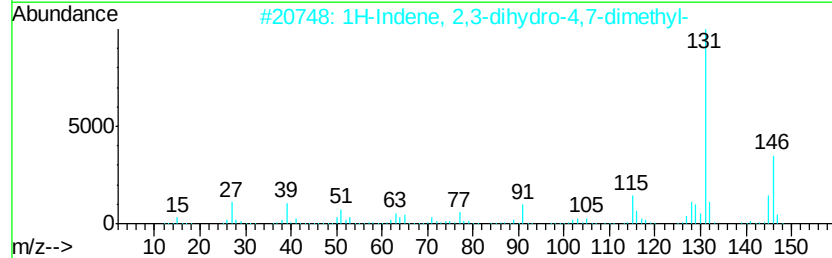
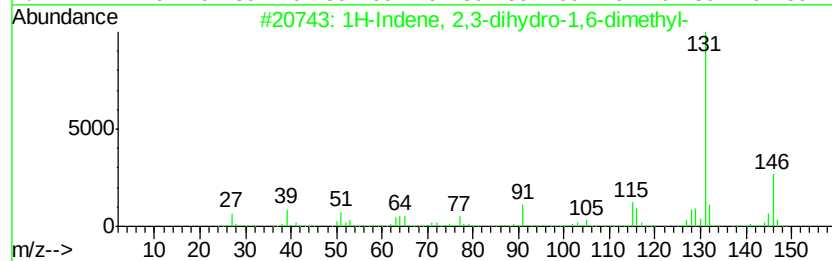
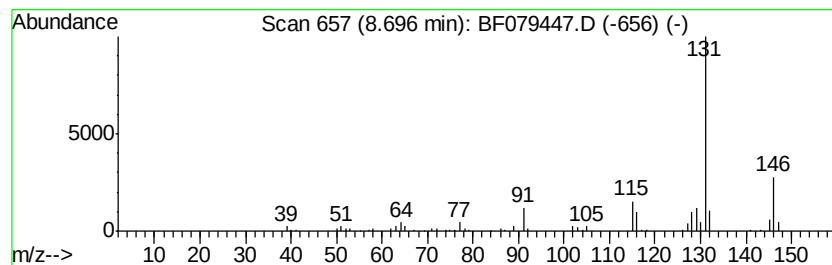
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.70 | 3.19 ng | 103417 | Naphthalene-d8   | 8.63 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 95   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 94   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 94   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 91   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

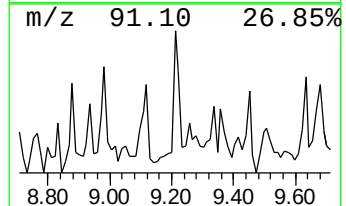
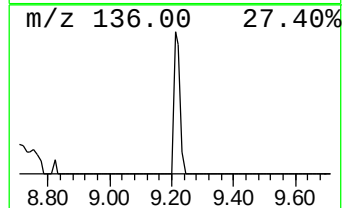
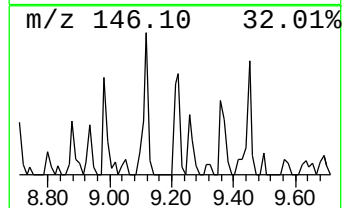
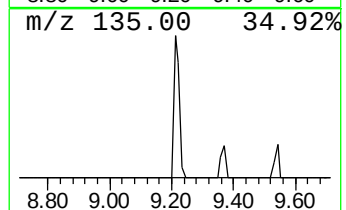
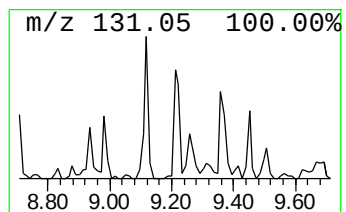
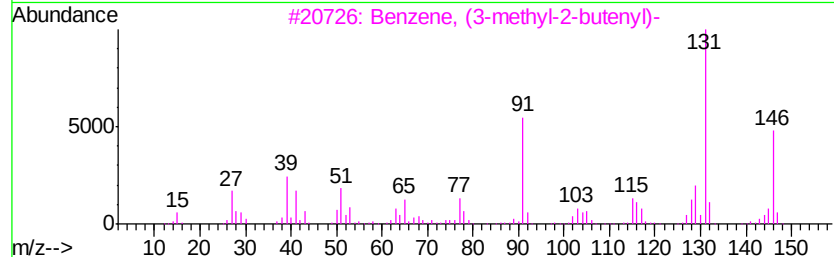
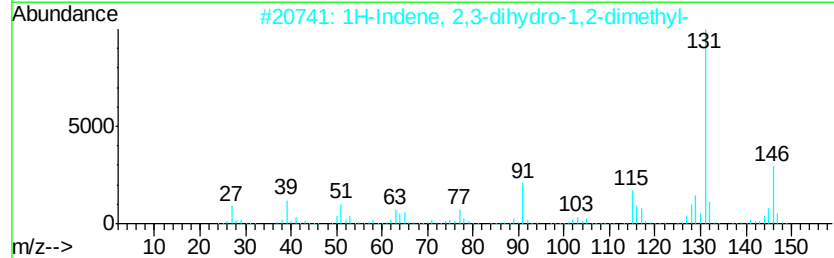
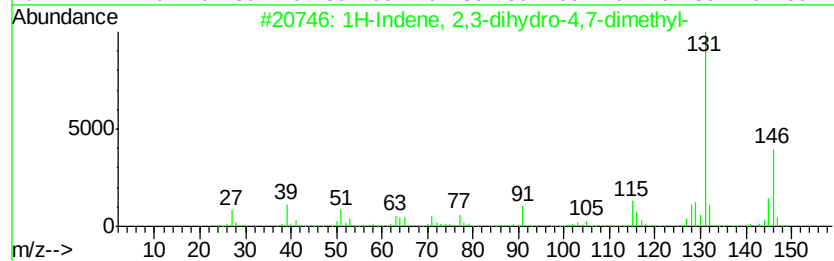
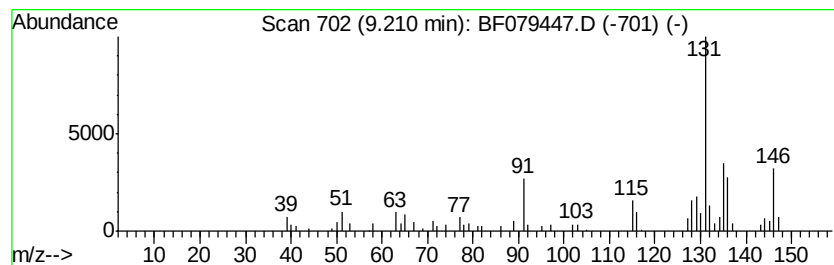
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 18

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.21 | 2.48 ng | 80554 | Naphthalene-d8   | 8.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 81   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 81   |
| 3    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 81   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001559-81-5 | 76   |
| 5    |    | .alpha.,.beta.,.beta.-Trimethyls... | 146 | C11H14  | 000769-57-3 | 76   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

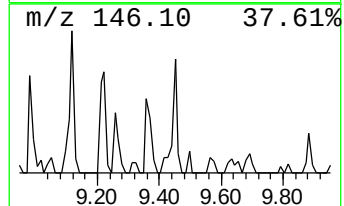
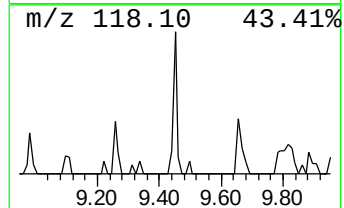
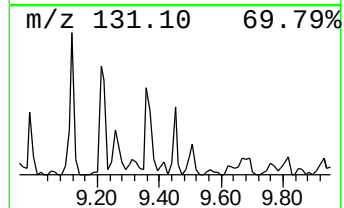
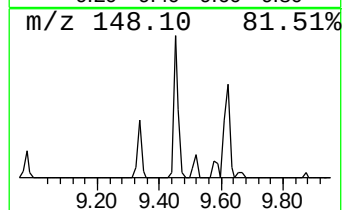
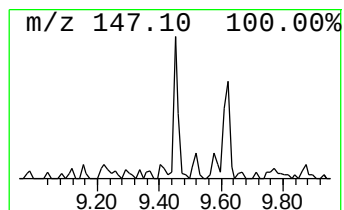
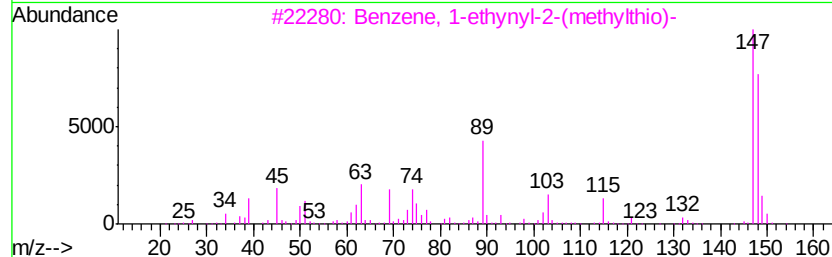
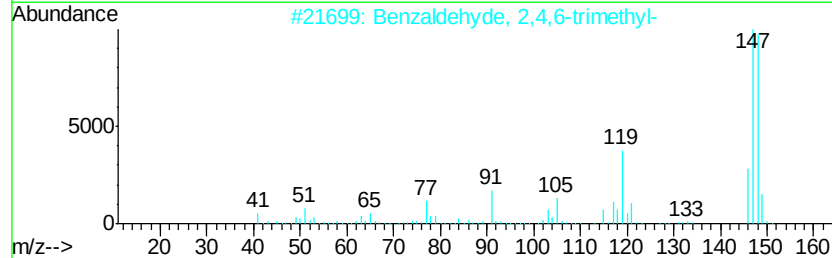
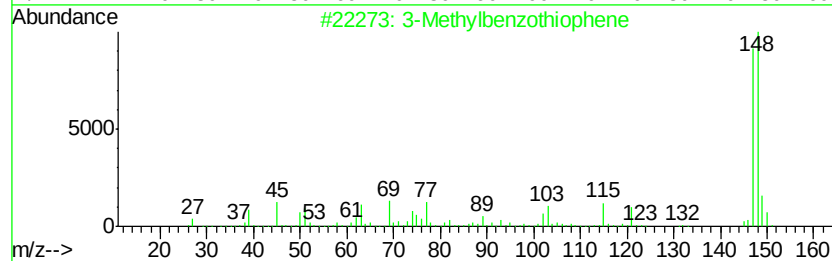
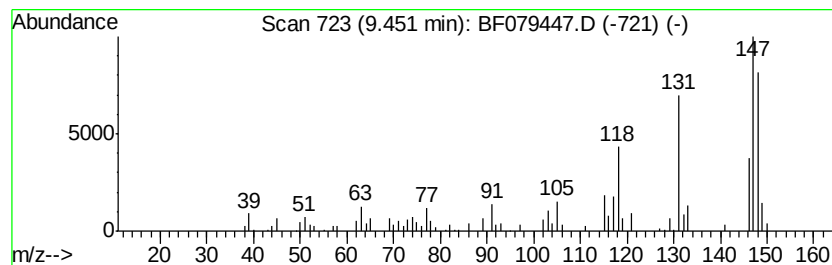
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 3-Methylbenzothiophene Concentration Rank 16

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.45 | 2.79 ng | 90537 | Napthalene-d8    | 8.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Methylbenzothiophene             | 148 | C9H8S   | 001455-18-1 | 78   |
| 2    |    | Benzaldehyde, 2,4,6-trimethyl-     | 148 | C10H12O | 000487-68-3 | 64   |
| 3    |    | Benzene, 1-ethynyl-2-(methylthio)- | 148 | C9H8S   | 078905-08-5 | 55   |
| 4    |    | Benzo[b]thiophene, 2-methyl-       | 148 | C9H8S   | 001195-14-8 | 53   |
| 5    |    | Benzene, 1-methoxy-4-(1-propenyl)- | 148 | C10H12O | 000104-46-1 | 50   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

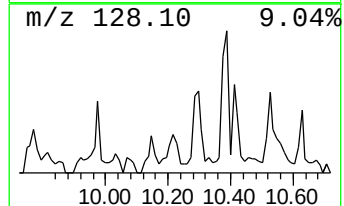
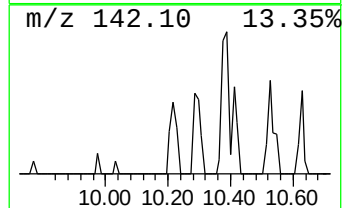
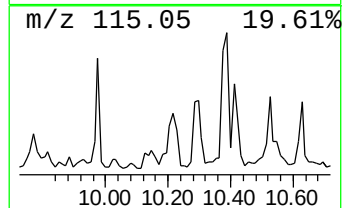
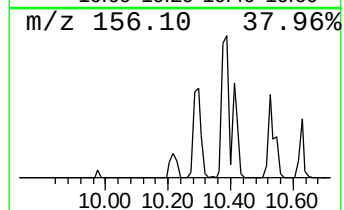
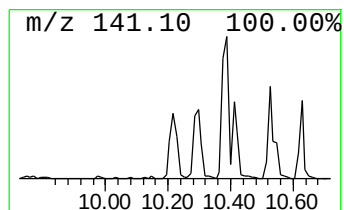
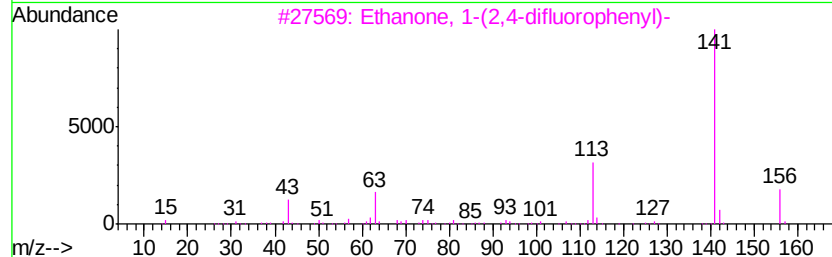
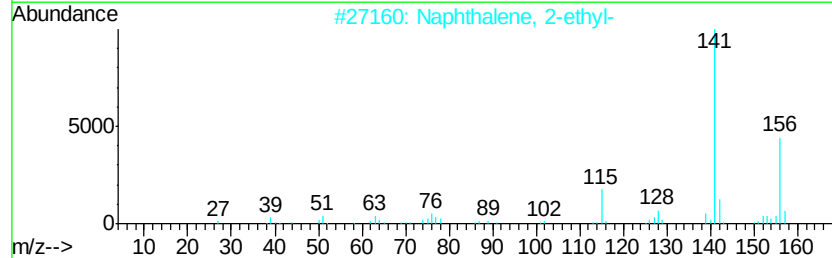
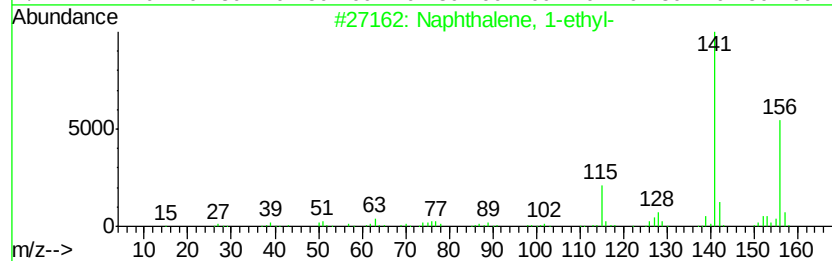
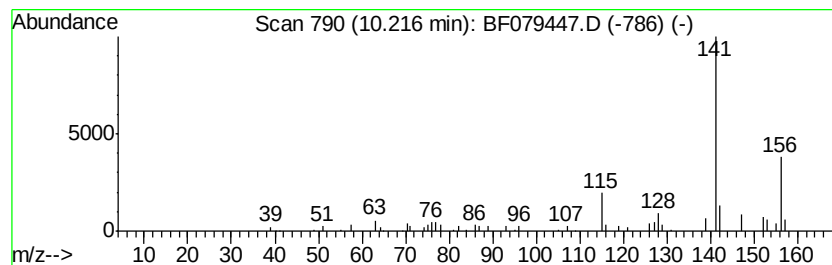
Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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 Naphthalene, 1-ethyl- Concentration Rank 17

| R.T.      | EstConc                           | Area  | Relative to ISTD |             | R.T.  |
|-----------|-----------------------------------|-------|------------------|-------------|-------|
| 10.22     | 2.75 ng                           | 92928 | Acenaphthene-d10 |             | 10.80 |
| Hit# of 5 | Tentative ID                      | MW    | MolForm          | CAS#        | Qual  |
| 1         | Naphthalene, 1-ethyl-             | 156   | C12H12           | 001127-76-0 | 93    |
| 2         | Naphthalene, 2-ethyl-             | 156   | C12H12           | 000939-27-5 | 93    |
| 3         | Ethanone, 1-(2,4-difluorophenyl)- | 156   | C8H6F2O          | 000364-83-0 | 58    |
| 4         | 3',4'-Difluoroacetophenone        | 156   | C8H6F2O          | 000369-33-5 | 53    |
| 5         | 2',5'-Difluoroacetophenone        | 156   | C8H6F2O          | 001979-36-8 | 50    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

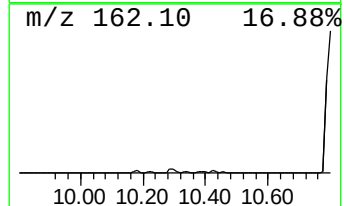
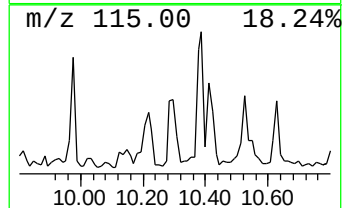
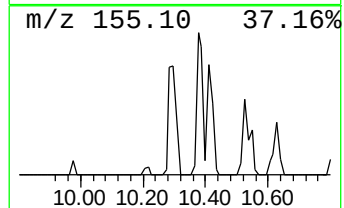
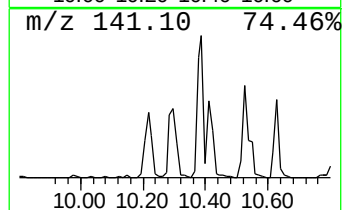
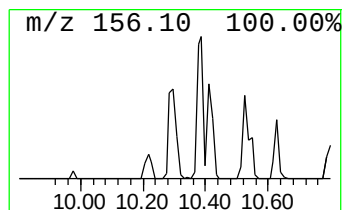
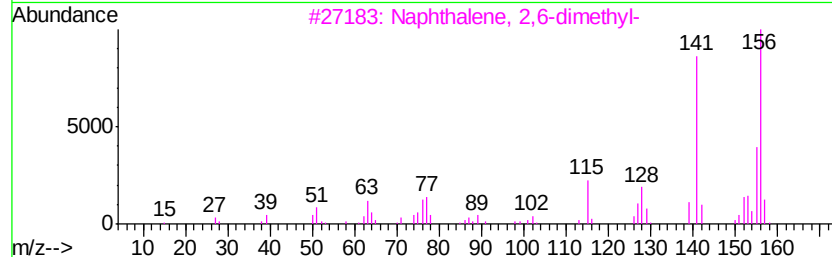
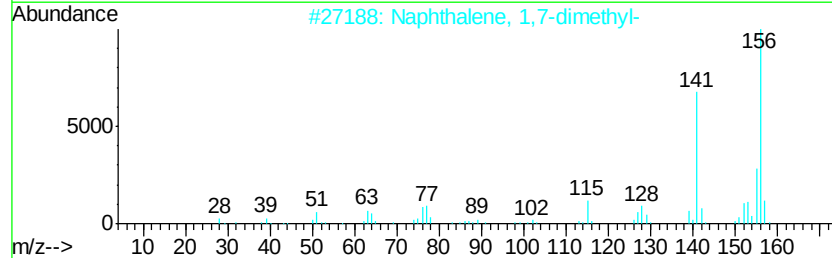
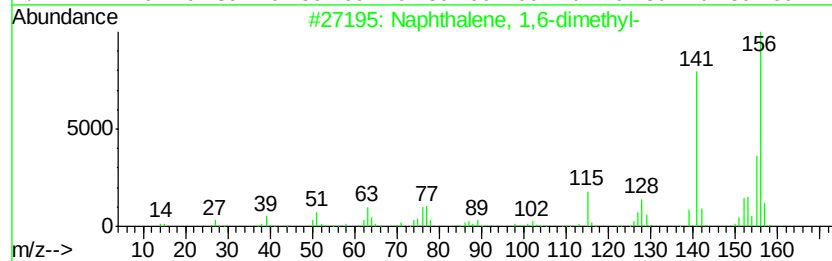
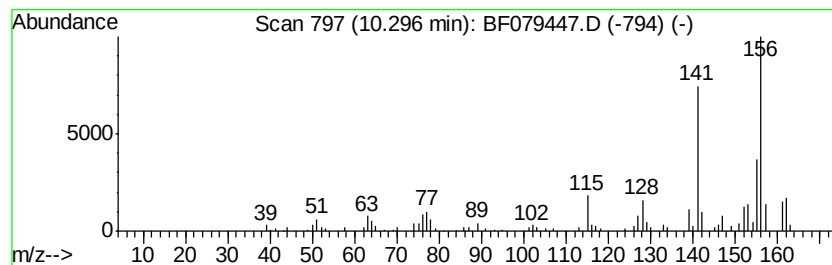
Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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 Naphthalene, 1,6-dimethyl- Concentration Rank 10

| R.T.      | EstConc                    | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------------|--------|------------------|-------------|-------|
| 10.30     | 4.71 ng                    | 159317 | Acenaphthene-d10 |             | 10.80 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual  |
| 1         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 97    |
| 2         | Naphthalene, 1,7-dimethyl- | 156    | C12H12           | 000575-37-1 | 96    |
| 3         | Naphthalene, 2,6-dimethyl- | 156    | C12H12           | 000581-42-0 | 96    |
| 4         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 96    |
| 5         | Naphthalene, 2,7-dimethyl- | 156    | C12H12           | 000582-16-1 | 96    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

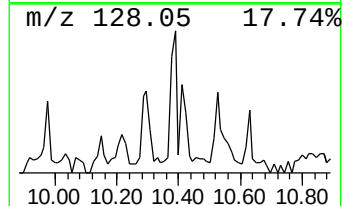
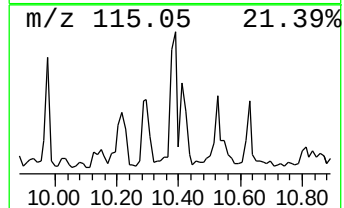
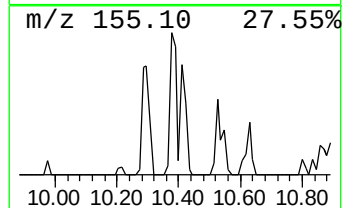
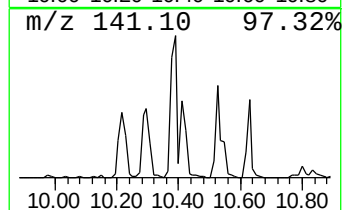
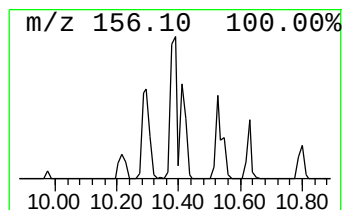
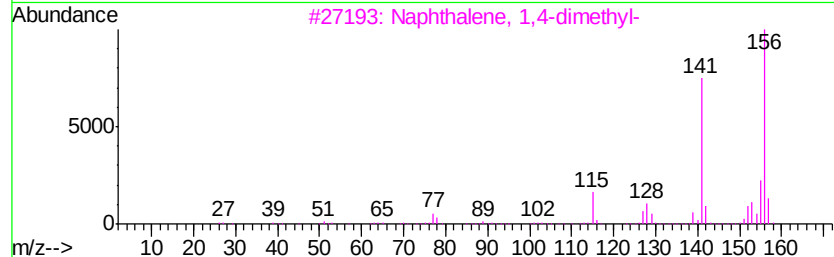
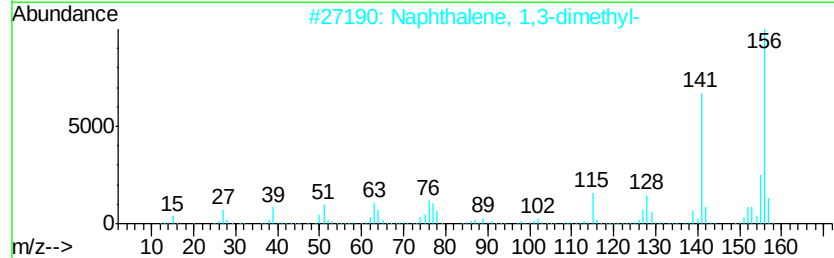
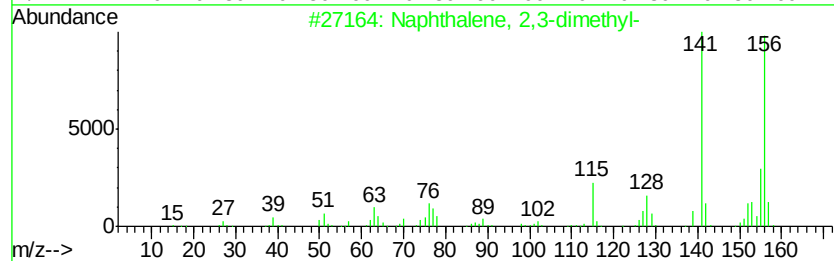
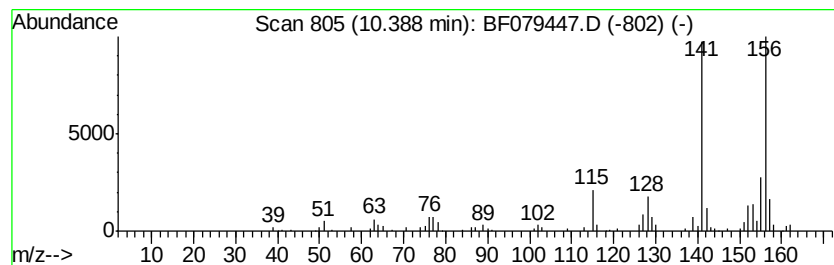
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.39 | 6.13 ng | 207191 | Acenaphthene-d10 | 10.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 3    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 4    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

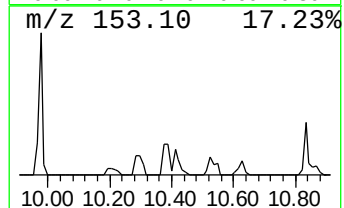
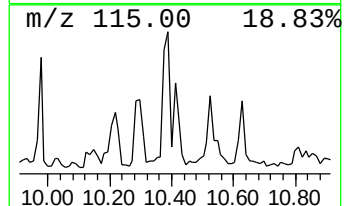
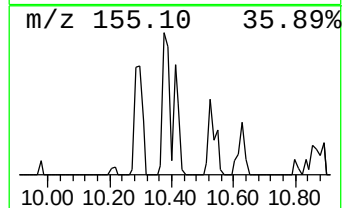
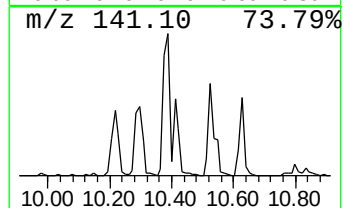
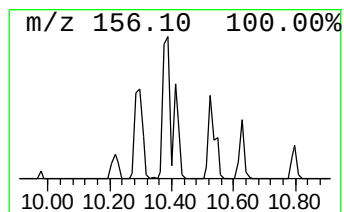
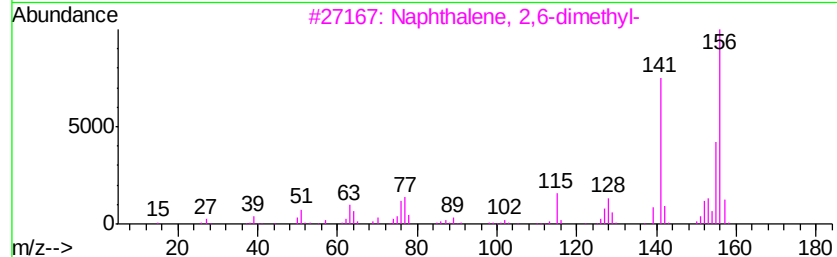
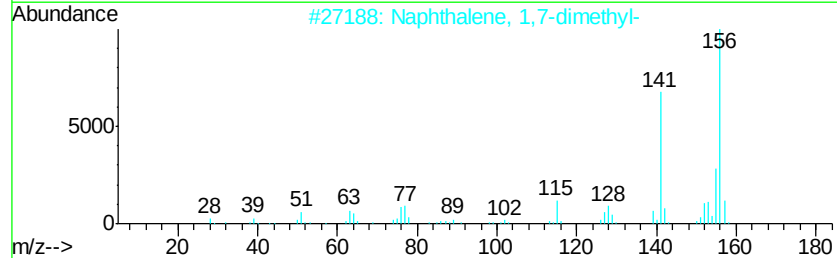
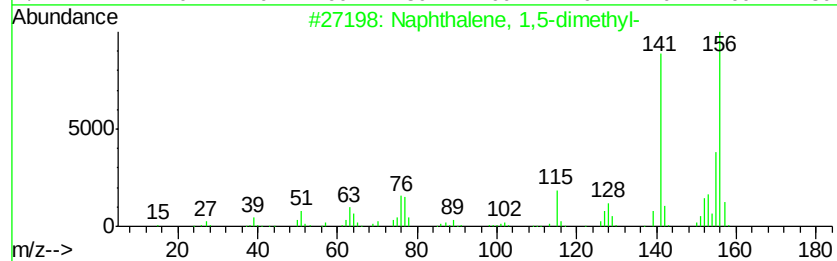
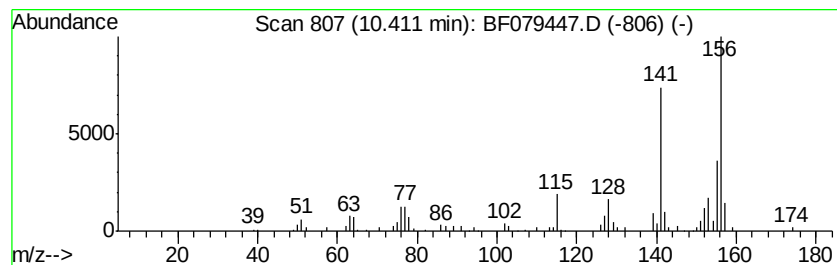
Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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 Naphthalene, 1,5-dimethyl- Concentration Rank 13

| R.T.      | EstConc                    | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------------|--------|------------------|-------------|-------|
| 10.41     | 3.83 ng                    | 129399 | Acenaphthene-d10 |             | 10.80 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual  |
| 1         | Naphthalene, 1,5-dimethyl- | 156    | C12H12           | 000571-61-9 | 97    |
| 2         | Naphthalene, 1,7-dimethyl- | 156    | C12H12           | 000575-37-1 | 97    |
| 3         | Naphthalene, 2,6-dimethyl- | 156    | C12H12           | 000581-42-0 | 97    |
| 4         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 97    |
| 5         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 97    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

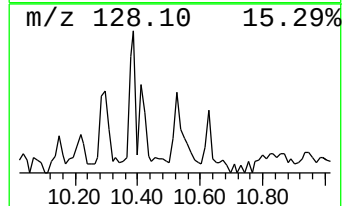
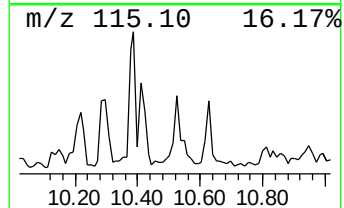
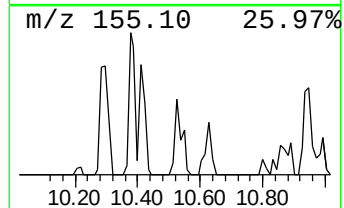
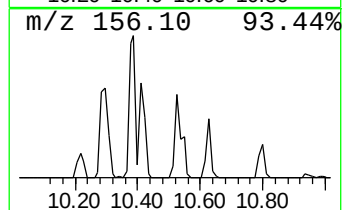
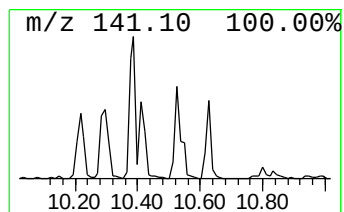
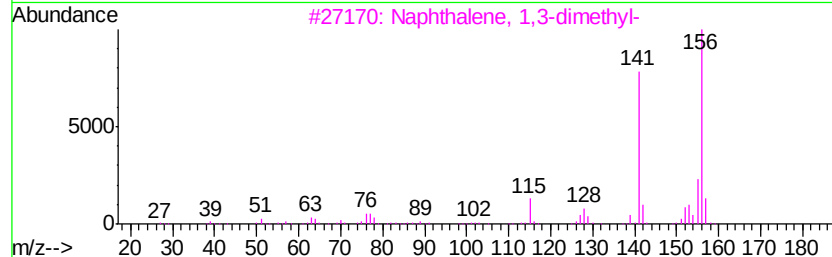
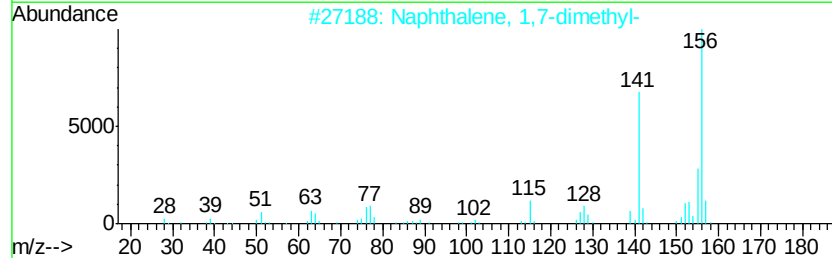
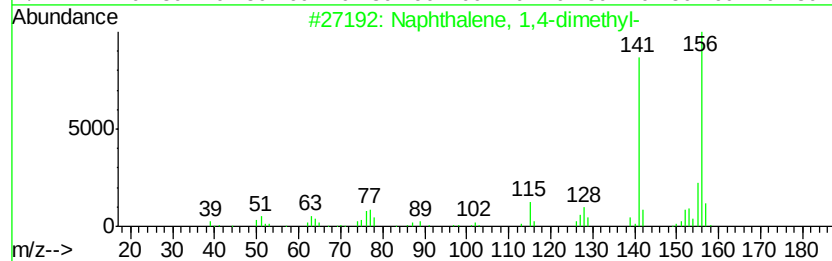
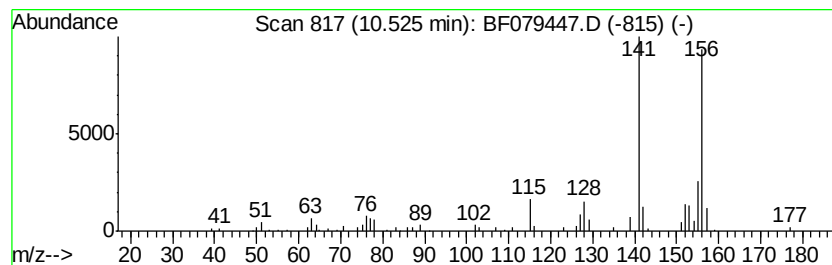
Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.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 Naphthalene, 1,4-dimethyl- Concentration Rank 12

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 10.52     | 3.90 ng                    | 131927 | Acenaphthene-d10 | 10.80       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,4-dimethyl- | 156    | C12H12           | 000571-58-4 | 97   |
| 2         | Naphthalene, 1,7-dimethyl- | 156    | C12H12           | 000575-37-1 | 97   |
| 3         | Naphthalene, 1,3-dimethyl- | 156    | C12H12           | 000575-41-7 | 96   |
| 4         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 96   |
| 5         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 96   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

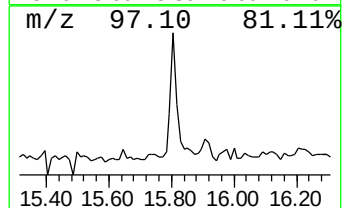
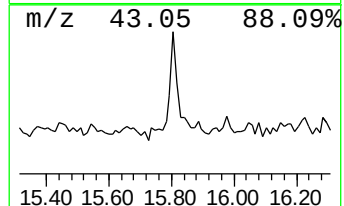
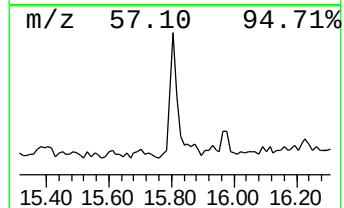
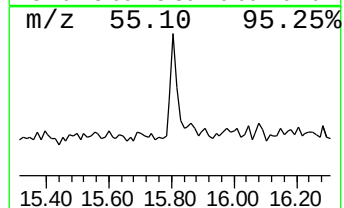
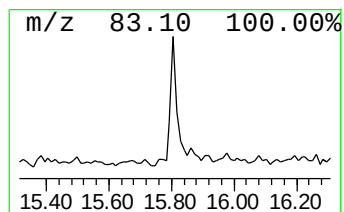
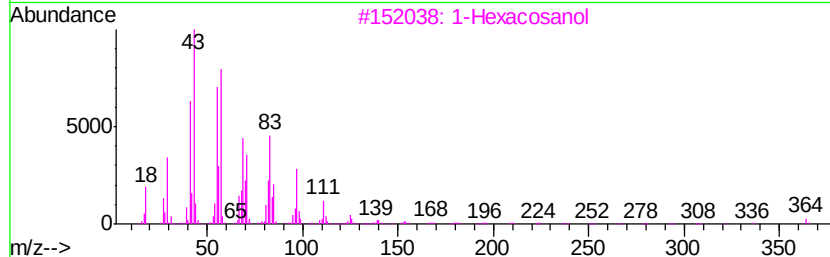
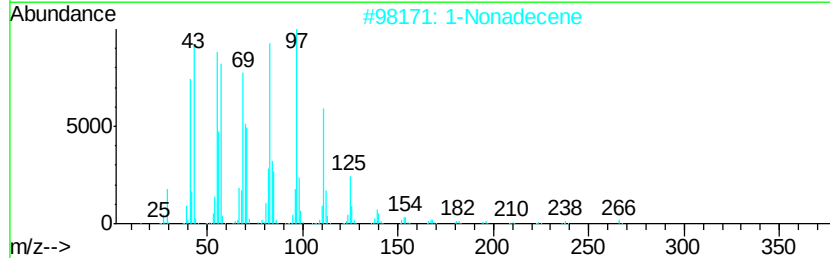
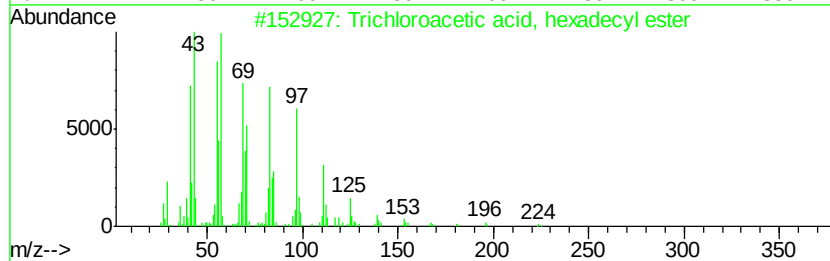
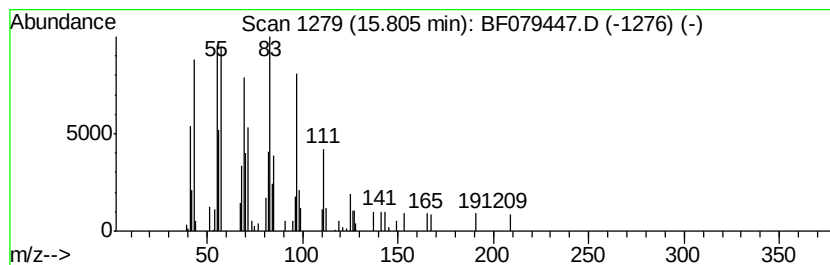
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Trichloroacetic acid, hexad... Concentration Rank 19

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.81 | 2.42 ng | 80067 | Chrysene-d12     | 15.92 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90   |
| 2    |    |   | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 87   |
| 3    |    |   | 1-Hexacosanol                       | 382 | C26H54O     | 000506-52-5 | 86   |
| 4    |    |   | 1-Heptadecanol                      | 256 | C17H36O     | 001454-85-9 | 83   |
| 5    |    |   | 11-Tricosene                        | 322 | C23H46      | 052078-56-5 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052215\  
Data File : BF079447.D  
Acq On : 22 May 2015 21:53  
Operator : TP/IZ  
Sample : G2367-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.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... | 1.48  | 49.3    | ng    | 1021430  | 1                     | 7.05  | 414061 | 20.0 |
| 2-Pentanone, 4-hy... | 4.80  | 4.7     | ng    | 96747    | 1                     | 7.05  | 414061 | 20.0 |
| unknown6.76          | 6.76  | 85.4    | ng    | 1768290  | 1                     | 7.05  | 414061 | 20.0 |
| Benzene, 2-etheny... | 8.23  | 3.6     | ng    | 117999   | 2                     | 8.63  | 648722 | 20.0 |
| 1H-Indene, 2,3-di... | 8.31  | 10.1    | ng    | 326531   | 2                     | 8.63  | 648722 | 20.0 |
| 1H-Indene, 2,3-di... | 8.70  | 3.2     | ng    | 103417   | 2                     | 8.63  | 648722 | 20.0 |
| 1H-Indene, 2,3-di... | 9.21  | 2.5     | ng    | 80554    | 2                     | 8.63  | 648722 | 20.0 |
| 3-Methylbenzothio... | 9.45  | 2.8     | ng    | 90537    | 2                     | 8.63  | 648722 | 20.0 |
| Naphthalene, 1-et... | 10.22 | 2.8     | ng    | 92928    | 3                     | 10.80 | 676370 | 20.0 |
| Naphthalene, 1,6-... | 10.30 | 4.7     | ng    | 159317   | 3                     | 10.80 | 676370 | 20.0 |
| Naphthalene, 2,3-... | 10.39 | 6.1     | ng    | 207191   | 3                     | 10.80 | 676370 | 20.0 |
| Naphthalene, 1,5-... | 10.41 | 3.8     | ng    | 129399   | 3                     | 10.80 | 676370 | 20.0 |
| Naphthalene, 1,4-... | 10.52 | 3.9     | ng    | 131927   | 3                     | 10.80 | 676370 | 20.0 |
| Trichloroacetic a... | 15.81 | 2.4     | ng    | 80067    | 5                     | 15.92 | 661084 | 20.0 |