

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087555.D  
 Acq On : 30 May 2016 17:38  
 Operator : UM/SJ  
 Sample : H3317-10  
 Misc :  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-34

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-BF052316.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.010       | 35            | 37          | 42           | rVB      | 55481          | 106843        | 2.97%           | 0.150%        |
| 2         | 3.667       | 178           | 182         | 191          | rVB2     | 41207          | 121624        | 3.38%           | 0.170%        |
| 3         | 4.490       | 251           | 254         | 258          | rVB      | 84716          | 154451        | 4.29%           | 0.217%        |
| 4         | 4.707       | 270           | 273         | 275          | rBV      | 66144          | 130657        | 3.63%           | 0.183%        |
| 5         | 4.776       | 275           | 279         | 288          | rVB3     | 59464          | 243514        | 6.76%           | 0.341%        |
| 6         | 4.913       | 288           | 291         | 296          | rBV3     | 46579          | 143641        | 3.99%           | 0.201%        |
| 7         | 5.244       | 318           | 320         | 326          | rVB      | 65909          | 118043        | 3.28%           | 0.165%        |
| 8         | 5.416       | 334           | 335         | 338          | rBV      | 198176         | 398938        | 11.07%          | 0.559%        |
| 9         | 5.473       | 338           | 340         | 345          | rVB3     | 96724          | 216553        | 6.01%           | 0.304%        |
| 10        | 5.564       | 345           | 348         | 351          | rVB      | 90397          | 145587        | 4.04%           | 0.204%        |
| 11        | 5.759       | 360           | 365         | 370          | rVB4     | 75100          | 238302        | 6.61%           | 0.334%        |
| 12        | 5.884       | 373           | 376         | 379          | rVB4     | 64224          | 125850        | 3.49%           | 0.176%        |
| 13        | 6.010       | 384           | 387         | 391          | rVB4     | 42294          | 104455        | 2.90%           | 0.146%        |
| 14        | 6.079       | 391           | 393         | 396          | rVB2     | 64293          | 107158        | 2.97%           | 0.150%        |
| 15        | 6.147       | 396           | 399         | 401          | rBV2     | 83730          | 135300        | 3.76%           | 0.190%        |
| 16        | 6.261       | 405           | 409         | 410          | rBV3     | 75256          | 155364        | 4.31%           | 0.218%        |
| 17        | 6.296       | 410           | 412         | 416          | rVB      | 144181         | 247432        | 6.87%           | 0.347%        |
| 18        | 6.376       | 416           | 419         | 422          | rBV      | 86244          | 133990        | 3.72%           | 0.188%        |
| 19        | 6.433       | 422           | 424         | 429          | rVB3     | 58783          | 111734        | 3.10%           | 0.157%        |
| 20        | 6.593       | 435           | 438         | 443          | rBV3     | 79232          | 238792        | 6.63%           | 0.335%        |
| 21        | 6.673       | 443           | 445         | 447          | rBV      | 112551         | 172136        | 4.78%           | 0.241%        |
| 22        | 6.707       | 447           | 448         | 451          | rVB      | 106313         | 117209        | 3.25%           | 0.164%        |
| 23        | 6.856       | 459           | 461         | 463          | rBV      | 223061         | 327787        | 9.10%           | 0.460%        |
| 24        | 6.902       | 463           | 465         | 469          | rVB      | 481335         | 675207        | 18.74%          | 0.947%        |
| 25        | 7.073       | 476           | 480         | 482          | rBV4     | 49337          | 147599        | 4.10%           | 0.207%        |
| 26        | 7.119       | 482           | 484         | 485          | rBV2     | 82510          | 152772        | 4.24%           | 0.214%        |
| 27        | 7.153       | 485           | 487         | 492          | rBV      | 502085         | 1140934       | 31.67%          | 1.599%        |
| 28        | 7.324       | 500           | 502         | 504          | rBV2     | 50009          | 103218        | 2.86%           | 0.145%        |
| 29        | 7.404       | 504           | 509         | 511          | rVV2     | 221875         | 510207        | 14.16%          | 0.715%        |
| 30        | 7.473       | 513           | 515         | 518          | rVV      | 568124         | 962185        | 26.71%          | 1.349%        |
| 31        | 7.530       | 518           | 520         | 523          | rVB3     | 291379         | 543181        | 15.08%          | 0.761%        |
| 32        | 7.599       | 523           | 526         | 528          | rBV2     | 76827          | 157022        | 4.36%           | 0.220%        |
| 33        | 7.702       | 533           | 535         | 541          | rBV2     | 1370022        | 2520755       | 69.97%          | 3.534%        |
| 34        | 7.805       | 541           | 544         | 547          | rBV      | 390720         | 576286        | 16.00%          | 0.808%        |

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 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
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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-BF052316.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |          |        |         |        |        |
|----|--------|-----|-----|----------|--------|---------|--------|--------|
| 35 | 7.885  | 550 | 551 | 554 rVB  | 145666 | 177981  | 4.94%  | 0.250% |
| 36 | 8.022  | 560 | 563 | 564 rBV2 | 193629 | 428229  | 11.89% | 0.600% |
| 37 | 8.147  | 570 | 574 | 575 rBV3 | 54928  | 146063  | 4.05%  | 0.205% |
| 38 | 8.182  | 575 | 577 | 580 rVB  | 335512 | 477649  | 13.26% | 0.670% |
| 39 | 8.239  | 580 | 582 | 586 rBV4 | 137753 | 410784  | 11.40% | 0.576% |
| 40 | 8.307  | 586 | 588 | 590 rVV2 | 216757 | 427427  | 11.86% | 0.599% |
| 41 | 8.342  | 590 | 591 | 594 rVV2 | 433394 | 801260  | 22.24% | 1.123% |
| 42 | 8.399  | 594 | 596 | 599 rVV  | 934914 | 1519968 | 42.19% | 2.131% |
| 43 | 8.490  | 602 | 604 | 606 rBV3 | 52368  | 107081  | 2.97%  | 0.150% |
| 44 | 8.559  | 607 | 610 | 615 rVB6 | 165720 | 313645  | 8.71%  | 0.440% |
| 45 | 8.650  | 615 | 618 | 622 rBV5 | 200616 | 482529  | 13.39% | 0.676% |
| 46 | 8.719  | 622 | 624 | 626 rVB  | 549607 | 711018  | 19.74% | 0.997% |
| 47 | 8.776  | 626 | 629 | 632 rBV3 | 184450 | 360063  | 9.99%  | 0.505% |
| 48 | 8.867  | 635 | 637 | 638 rBV2 | 178922 | 255696  | 7.10%  | 0.358% |
| 49 | 8.902  | 638 | 640 | 646 rVB4 | 212740 | 500397  | 13.89% | 0.701% |
| 50 | 8.993  | 646 | 648 | 653 rVB4 | 309592 | 815899  | 22.65% | 1.144% |
| 51 | 9.096  | 653 | 657 | 662 rBV3 | 606783 | 1886648 | 52.37% | 2.645% |
| 52 | 9.188  | 663 | 665 | 669 rVB3 | 284807 | 451258  | 12.53% | 0.633% |
| 53 | 9.268  | 669 | 672 | 674 rBV3 | 313773 | 723436  | 20.08% | 1.014% |
| 54 | 9.359  | 678 | 680 | 681 rBV  | 173799 | 221216  | 6.14%  | 0.310% |
| 55 | 9.393  | 681 | 683 | 684 rBV  | 174312 | 198326  | 5.50%  | 0.278% |
| 56 | 9.473  | 687 | 690 | 691 rBV2 | 266649 | 486256  | 13.50% | 0.682% |
| 57 | 9.508  | 691 | 693 | 695 rBV  | 761636 | 956972  | 26.56% | 1.342% |
| 58 | 9.702  | 703 | 710 | 713 rBV  | 922971 | 2084088 | 57.85% | 2.922% |
| 59 | 9.850  | 719 | 723 | 725 rVB2 | 636724 | 1356346 | 37.65% | 1.901% |
| 60 | 9.919  | 725 | 729 | 732 rBV4 | 278574 | 748780  | 20.78% | 1.050% |
| 61 | 9.976  | 732 | 734 | 736 rBV  | 291248 | 555704  | 15.42% | 0.779% |
| 62 | 10.022 | 736 | 738 | 742 rVB2 | 478840 | 1089670 | 30.25% | 1.528% |
| 63 | 10.113 | 742 | 746 | 748 rBV5 | 441842 | 1167527 | 32.41% | 1.637% |
| 64 | 10.228 | 752 | 756 | 758 rBV4 | 404165 | 998573  | 27.72% | 1.400% |
| 65 | 10.285 | 759 | 761 | 764 rVB  | 864336 | 1136054 | 31.53% | 1.593% |
| 66 | 10.353 | 764 | 767 | 769 rBV  | 504798 | 928015  | 25.76% | 1.301% |
| 67 | 10.445 | 769 | 775 | 777 rBV5 | 434044 | 1279138 | 35.50% | 1.793% |
| 68 | 10.673 | 791 | 795 | 797 rVB3 | 871617 | 1939859 | 53.84% | 2.719% |
| 69 | 10.776 | 797 | 804 | 806 rBV5 | 555111 | 1890693 | 52.48% | 2.650% |
| 70 | 10.822 | 806 | 808 | 811 rVB  | 962108 | 1272297 | 35.31% | 1.784% |
| 71 | 10.879 | 811 | 813 | 818 rBV6 | 455798 | 1618139 | 44.91% | 2.268% |

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 BNA\_F  
 ClientSampleId :  
 MW-34

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-BF052316.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 11.039 | 824  | 827  | 829  | rBV2 | 290013  | 692937  | 19.23%  | 0.971% |
| 73  | 11.199 | 837  | 841  | 845  | rBV4 | 589957  | 2029057 | 56.32%  | 2.844% |
| 74  | 11.291 | 845  | 849  | 851  | rVV2 | 1856443 | 3602751 | 100.00% | 5.051% |
| 75  | 11.359 | 853  | 855  | 857  | rBV3 | 332617  | 428013  | 11.88%  | 0.600% |
| 76  | 11.519 | 866  | 869  | 871  | rBV3 | 459821  | 946887  | 26.28%  | 1.327% |
| 77  | 11.816 | 892  | 895  | 897  | rBV2 | 726157  | 1631930 | 45.30%  | 2.288% |
| 78  | 11.851 | 897  | 898  | 900  | rVB2 | 606598  | 664545  | 18.45%  | 0.932% |
| 79  | 12.011 | 909  | 912  | 914  | rBV3 | 1131342 | 1944755 | 53.98%  | 2.726% |
| 80  | 12.342 | 939  | 941  | 945  | rBV  | 692397  | 1253723 | 34.80%  | 1.758% |
| 81  | 12.559 | 957  | 960  | 962  | rBV4 | 382145  | 776084  | 21.54%  | 1.088% |
| 82  | 12.696 | 970  | 972  | 976  | rBV3 | 411085  | 1122867 | 31.17%  | 1.574% |
| 83  | 12.776 | 977  | 979  | 981  | rVB2 | 568008  | 777764  | 21.59%  | 1.090% |
| 84  | 13.096 | 1004 | 1007 | 1010 | rVB4 | 764985  | 1714627 | 47.59%  | 2.404% |
| 85  | 13.165 | 1011 | 1013 | 1016 | rBV4 | 373094  | 607336  | 16.86%  | 0.851% |
| 86  | 13.336 | 1025 | 1028 | 1030 | rBV3 | 535062  | 919365  | 25.52%  | 1.289% |
| 87  | 13.531 | 1042 | 1045 | 1049 | rBV4 | 757345  | 1799694 | 49.95%  | 2.523% |
| 88  | 13.657 | 1054 | 1056 | 1059 | rVV2 | 893196  | 1507685 | 41.85%  | 2.114% |
| 89  | 13.714 | 1059 | 1061 | 1063 | rVB2 | 329550  | 434629  | 12.06%  | 0.609% |
| 90  | 13.954 | 1080 | 1082 | 1086 | rVB  | 660549  | 1279642 | 35.52%  | 1.794% |
| 91  | 14.754 | 1151 | 1152 | 1155 | rBV  | 461861  | 699735  | 19.42%  | 0.981% |
| 92  | 15.794 | 1241 | 1243 | 1245 | rVB  | 208593  | 251028  | 6.97%   | 0.352% |
| 93  | 16.857 | 1334 | 1336 | 1340 | rVB  | 243558  | 323670  | 8.98%   | 0.454% |
| 94  | 17.097 | 1354 | 1357 | 1360 | rVB  | 1461658 | 1567306 | 43.50%  | 2.197% |
| 95  | 18.343 | 1464 | 1466 | 1472 | rVB  | 108312  | 159344  | 4.42%   | 0.223% |
| 96  | 18.468 | 1474 | 1477 | 1486 | rVB  | 382898  | 687724  | 19.09%  | 0.964% |
| 97  | 20.080 | 1616 | 1618 | 1622 | rVB2 | 102069  | 161187  | 4.47%   | 0.226% |
| 98  | 20.149 | 1622 | 1624 | 1635 | rVB  | 259578  | 605740  | 16.81%  | 0.849% |
| 99  | 20.423 | 1645 | 1648 | 1654 | rVB  | 72204   | 144540  | 4.01%   | 0.203% |
| 100 | 20.789 | 1678 | 1680 | 1688 | rVB2 | 93714   | 189853  | 5.27%   | 0.266% |

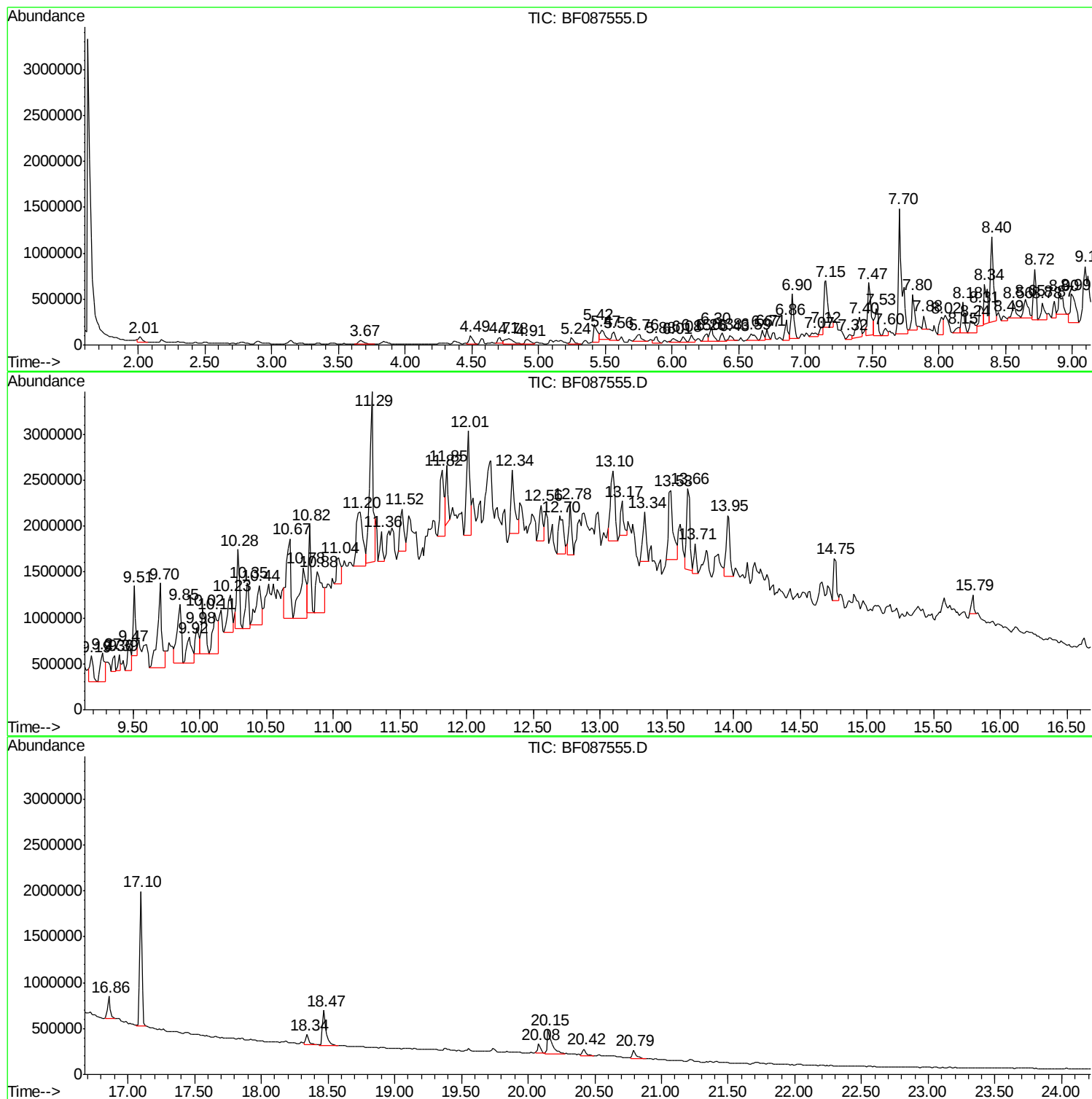
Sum of corrected areas: 71333828

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Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
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MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

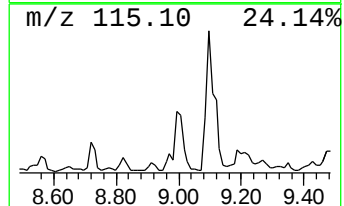
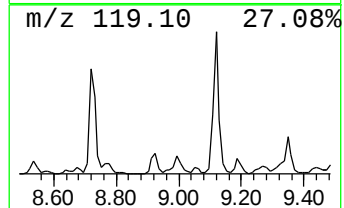
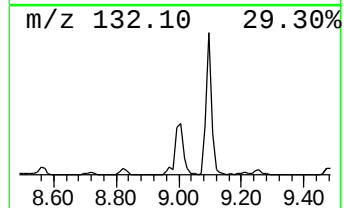
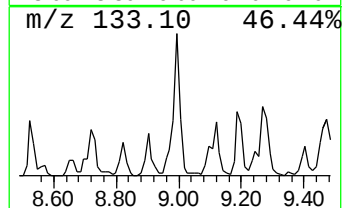
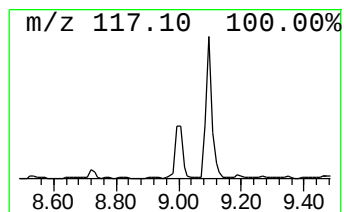
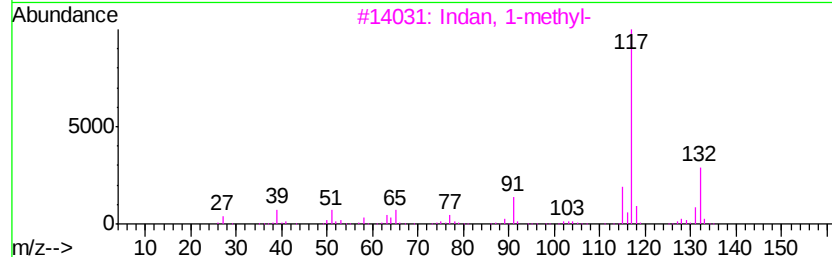
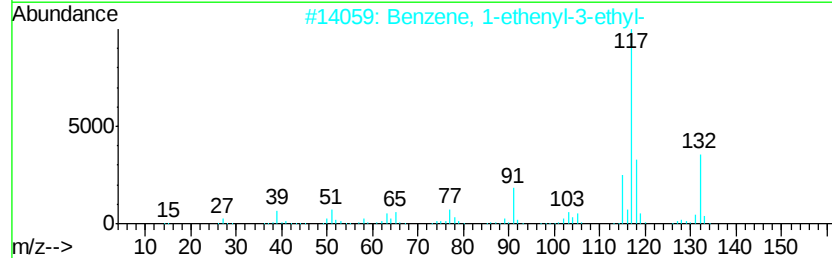
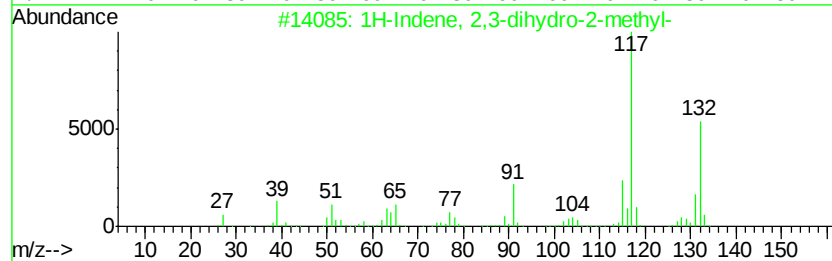
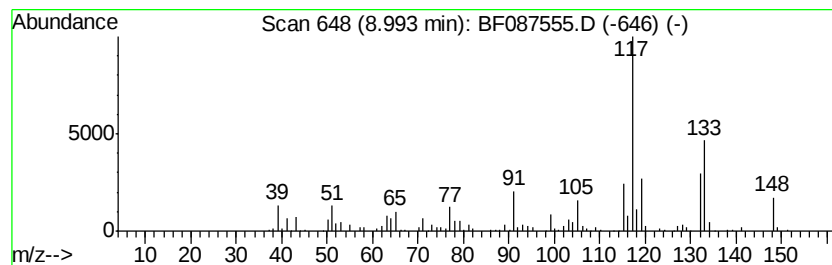
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 20

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.99 | 17.05 ng | 815899 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12  | 000824-63-5 | 60   |
| 2    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 60   |
| 3    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 53   |
| 4    |    | Benzene, (2-methyl-2-propenyl)-  | 132 | C10H12  | 003290-53-7 | 49   |
| 5    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 49   |



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ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

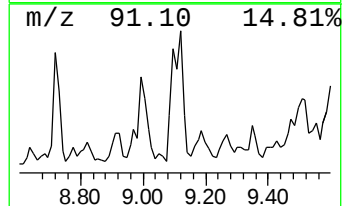
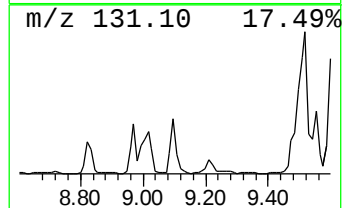
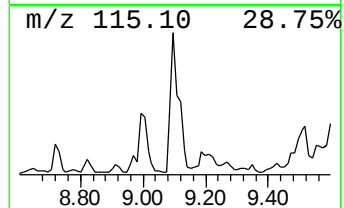
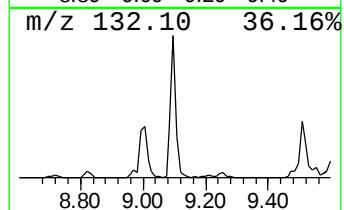
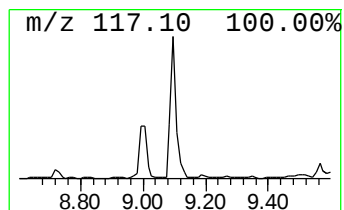
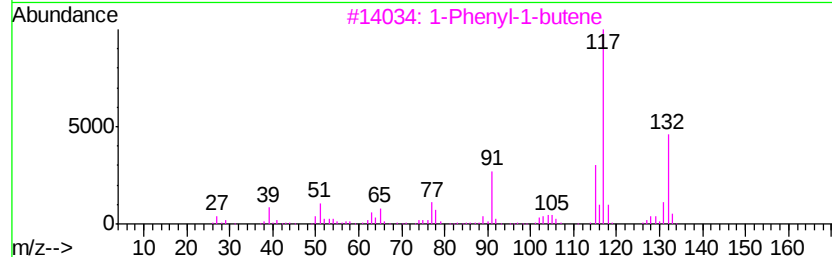
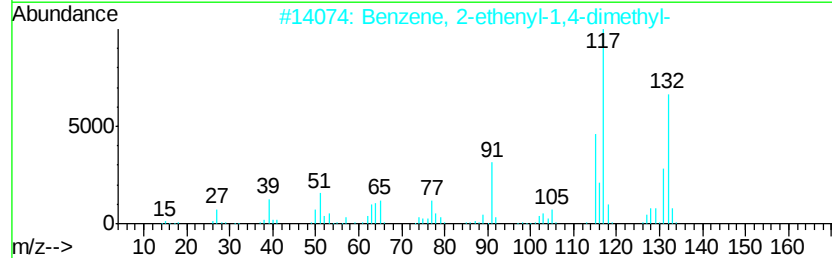
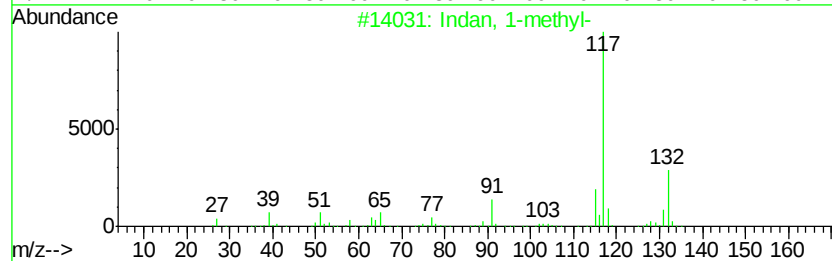
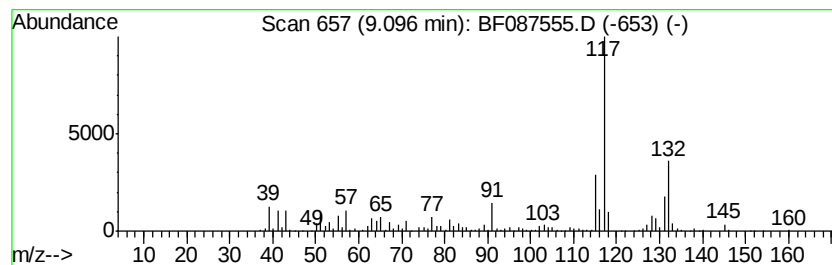
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Indan, 1-methyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.10 | 39.43 ng | 1886650 | Naphthalene-d8   | 9.51 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 93   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 92   |
| 3    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |
| 4    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 5    |    | Benzene, (2-methyl-1-propenyl)-  | 132 | C10H12  | 000768-49-0 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

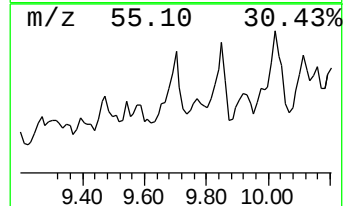
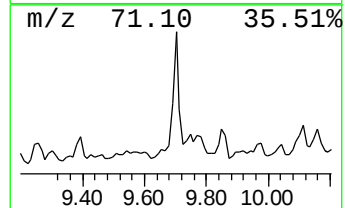
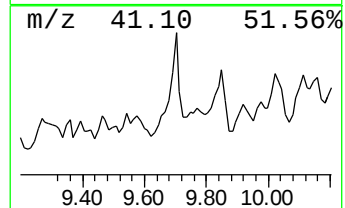
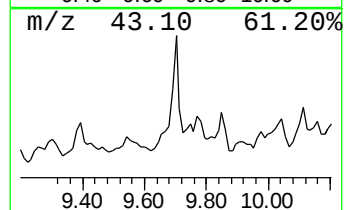
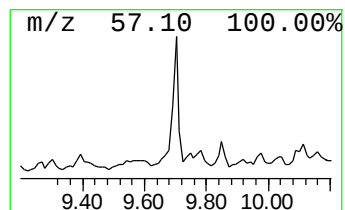
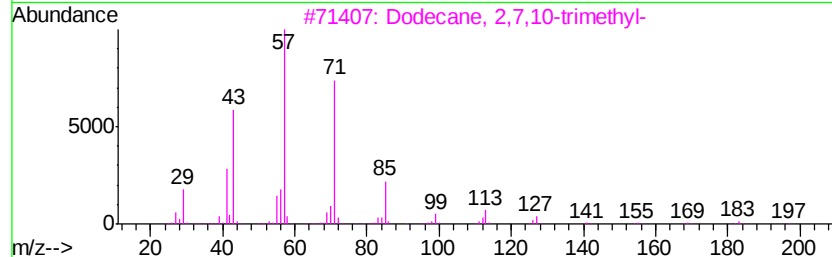
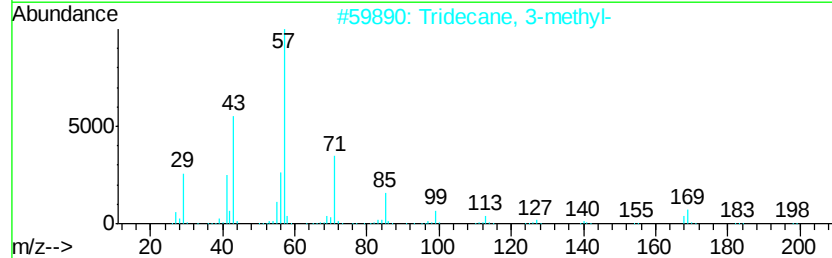
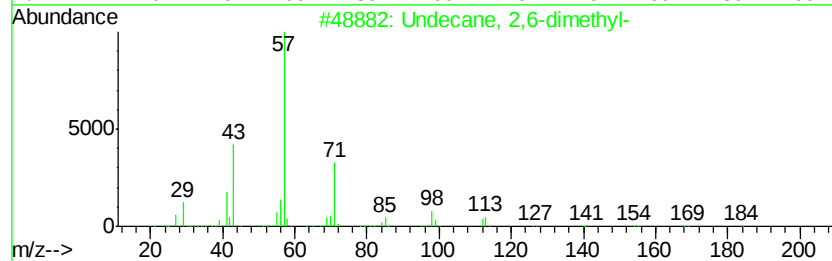
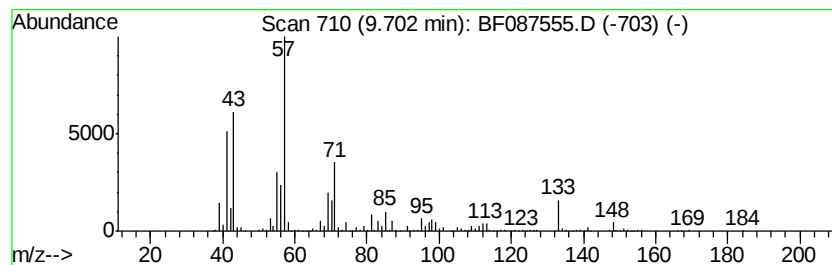
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.70 | 43.56 ng | 2084090 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 2,6-dimethyl-     | 184 | C13H28  | 017301-23-4 | 62   |
| 2    |    | Tridecane, 3-methyl-        | 198 | C14H30  | 006418-41-3 | 59   |
| 3    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 53   |
| 4    |    | Decane                      | 142 | C10H22  | 000124-18-5 | 53   |
| 5    |    | Octane, 2,5,6-trimethyl-    | 156 | C11H24  | 062016-14-2 | 49   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

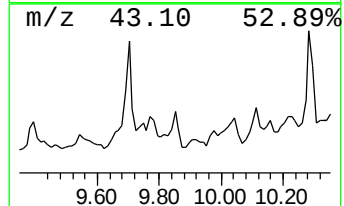
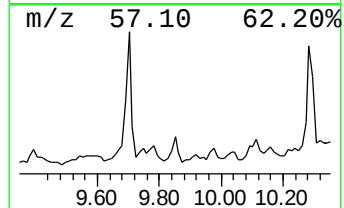
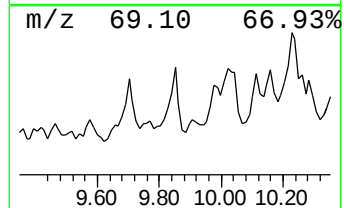
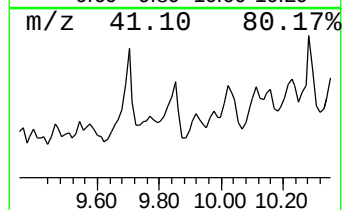
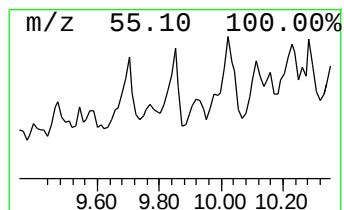
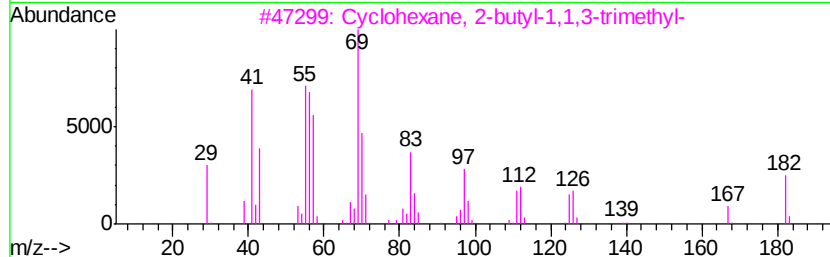
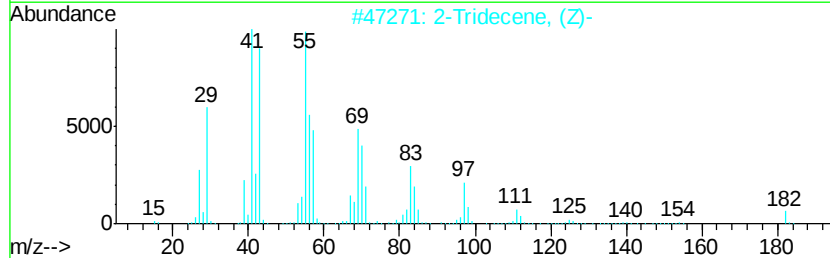
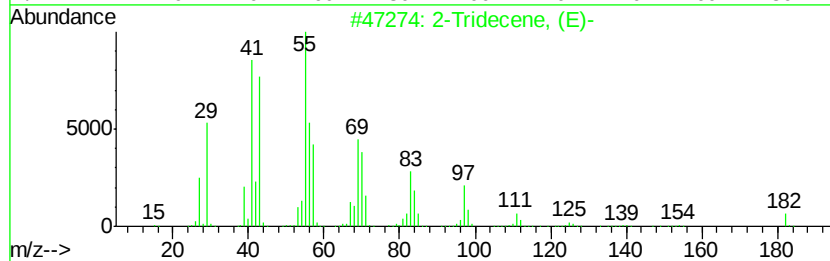
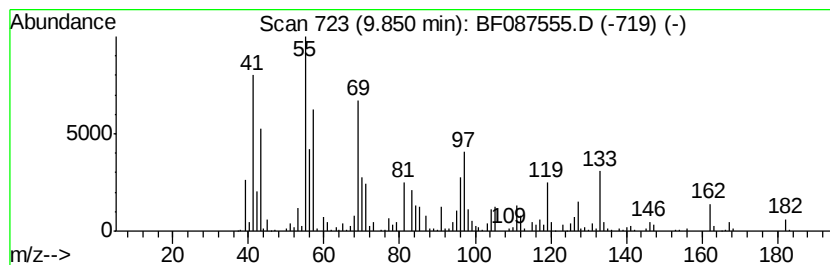
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown9.85 Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.85 | 28.35 ng | 1356350 | Napthalene-d8    | 9.51 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | 2-Tridecene, (E)-                   | 182 | C13H26  | 041446-58-6 | 38   |
| 2       |   | 2-Tridecene, (Z)-                   | 182 | C13H26  | 041446-59-7 | 38   |
| 3       |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 30   |
| 4       |   | 1-Tridecene                         | 182 | C13H26  | 002437-56-1 | 30   |
| 5       |   | Cyclodecane, methyl-                | 154 | C11H22  | 013151-43-4 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

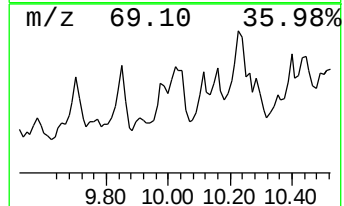
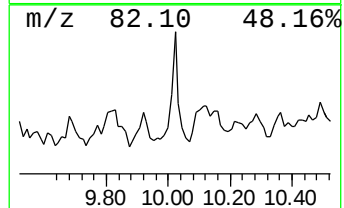
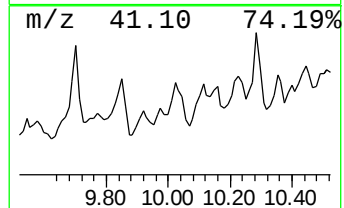
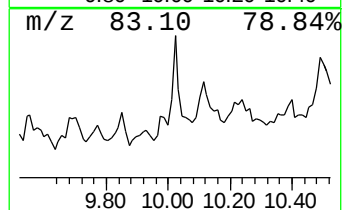
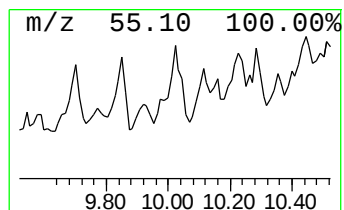
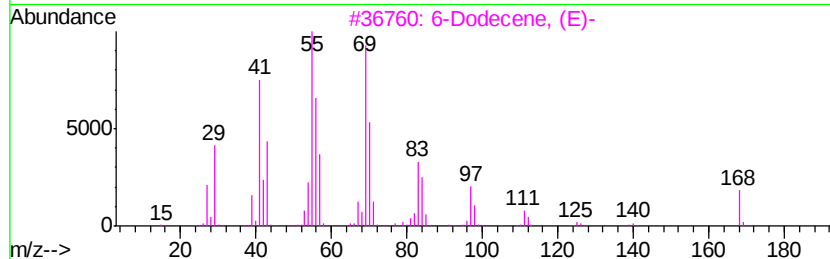
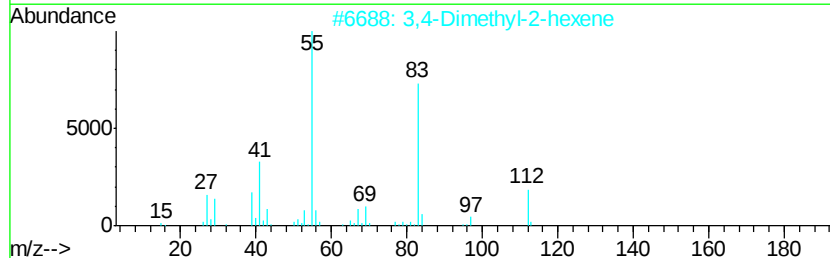
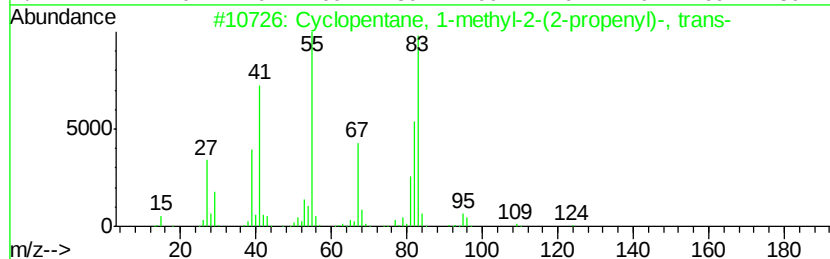
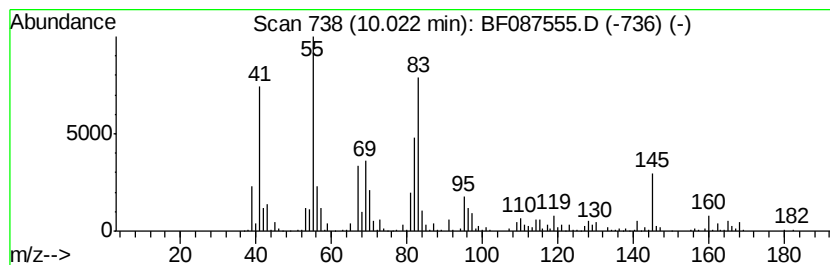
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown10.02 Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.02 | 22.77 ng | 1089670 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1-methyl-2-(2-prop...  | 124 | C9H16   | 050746-53-7 | 46   |
| 2    |    | 3,4-Dimethyl-2-hexene                | 112 | C8H16   | 002213-37-8 | 38   |
| 3    |    | 6-Dodecene, (E)-                     | 168 | C12H24  | 007206-17-9 | 25   |
| 4    |    | Cyclopentane, 1-ethyl-2-methyl-, ... | 112 | C8H16   | 000930-89-2 | 18   |
| 5    |    | 1,6-Octadiene, 2,5-dimethyl-, (E)-   | 138 | C10H18  | 068702-25-0 | 18   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
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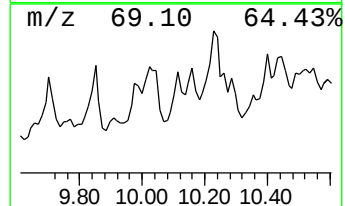
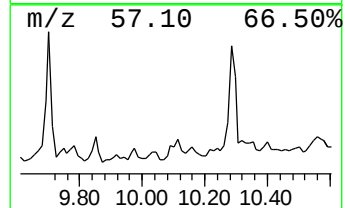
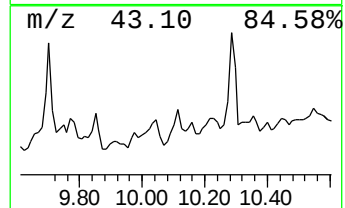
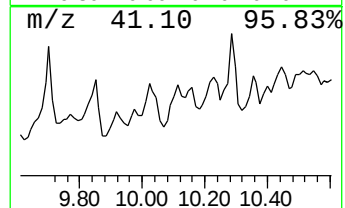
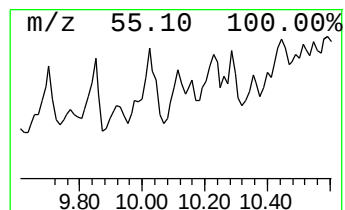
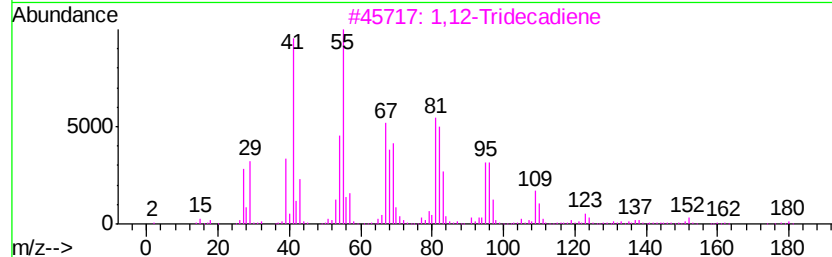
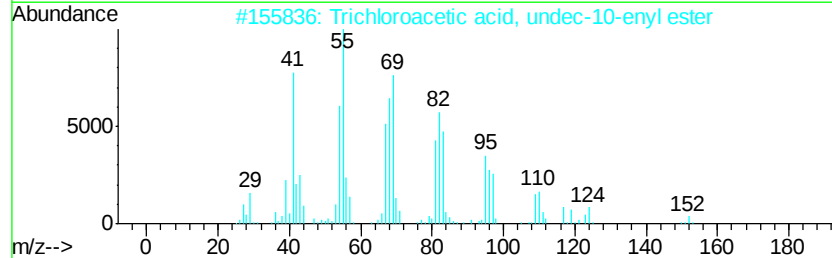
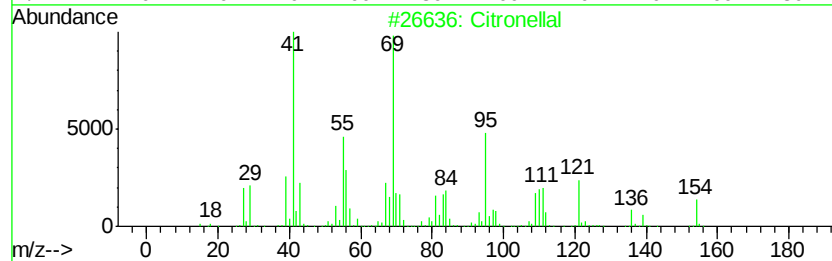
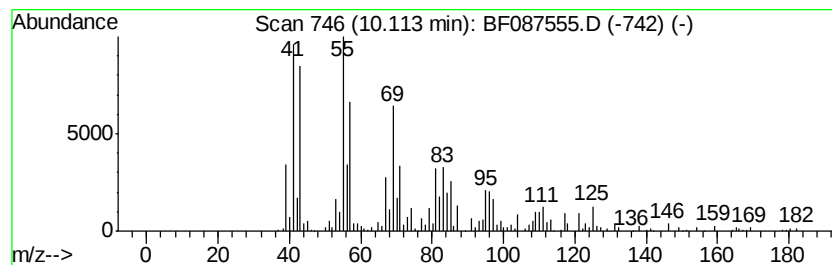
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown10.11 Concentration Rank 14

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.11 | 24.40 ng | 1167530 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Citronellal                         | 154 | C10H18O     | 000106-23-0  | 43   |
| 2    |    | Trichloroacetic acid, undec-10-e... | 314 | C13H21Cl3O2 | 1000280-51-3 | 38   |
| 3    |    | 1,12-Tridecadiene                   | 180 | C13H24      | 021964-48-7  | 38   |
| 4    |    | trans-2,7-Dimethyl-3,6-octadien-... | 154 | C10H18O     | 038092-33-0  | 30   |
| 5    |    | 11-Tridecen-1-ol                    | 198 | C13H26O     | 1000130-96-8 | 30   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

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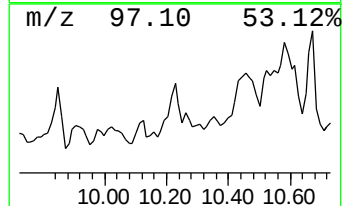
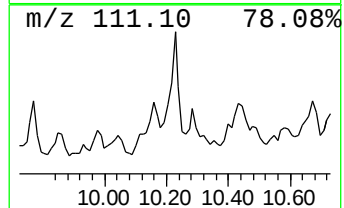
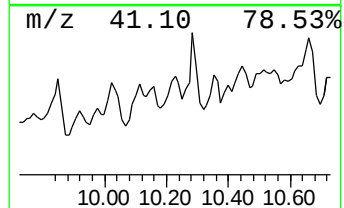
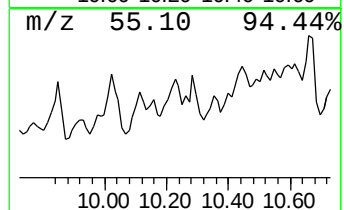
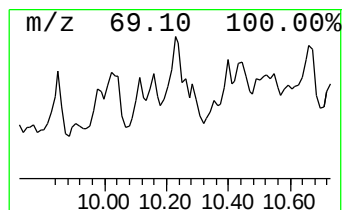
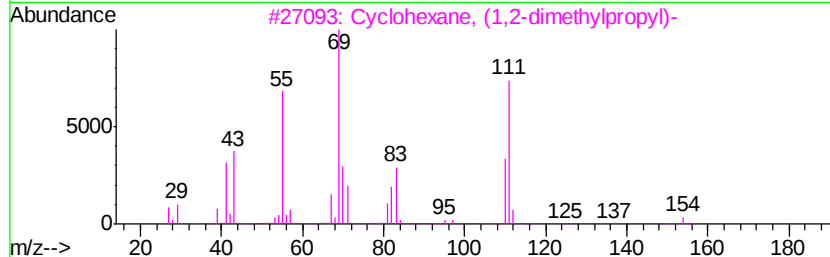
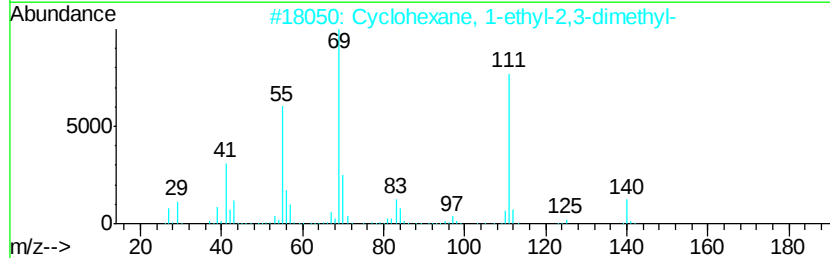
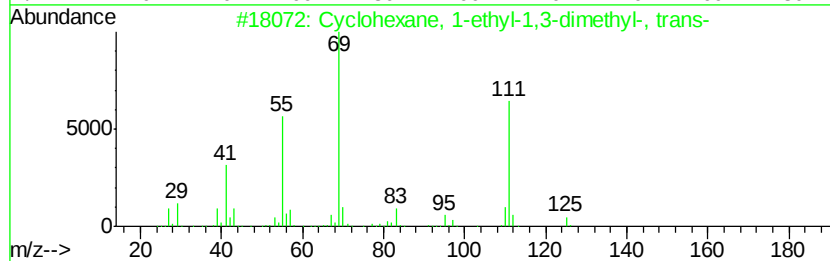
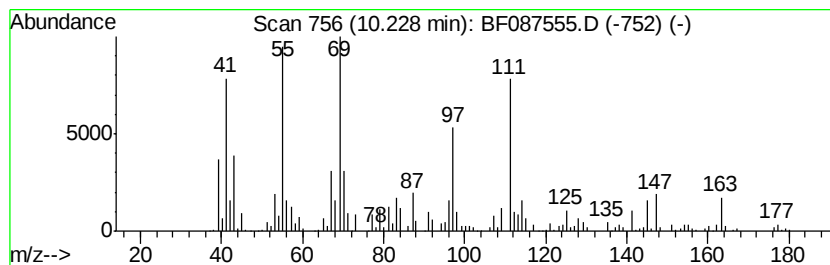
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown10.23 Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T. |
|-------|----------|--------|------------------|------|
| 10.23 | 20.87 ng | 998573 | Naphthalene-d8   | 9.51 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-1,3-dimethyl... | 140 | C10H20  | 062238-29-3 | 47   |
| 2    |    | Cyclohexane, 1-ethyl-2,3-dimethyl-   | 140 | C10H20  | 007058-05-1 | 47   |
| 3    |    | Cyclohexane, (1,2-dimethylpropyl)-   | 154 | C11H22  | 051284-29-8 | 46   |
| 4    |    | 6-Methyl-hept-2-en-4-ol              | 126 | C8H14O  | 060018-69-1 | 43   |
| 5    |    | Cyclohexane, 1-ethyl-1,4-dimethyl... | 140 | C10H20  | 062238-30-6 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

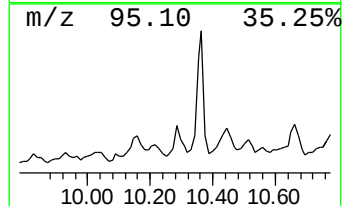
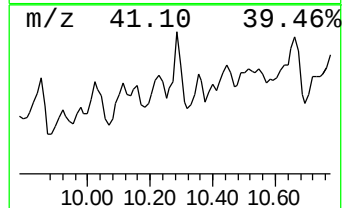
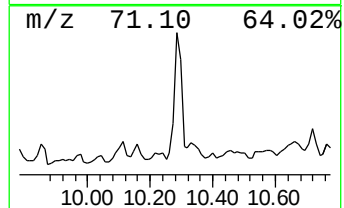
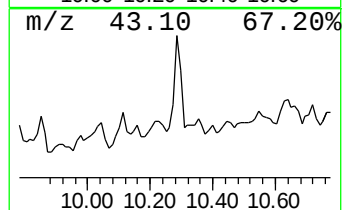
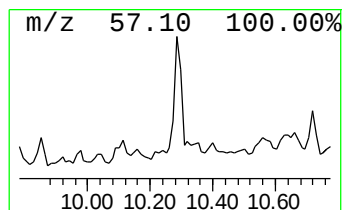
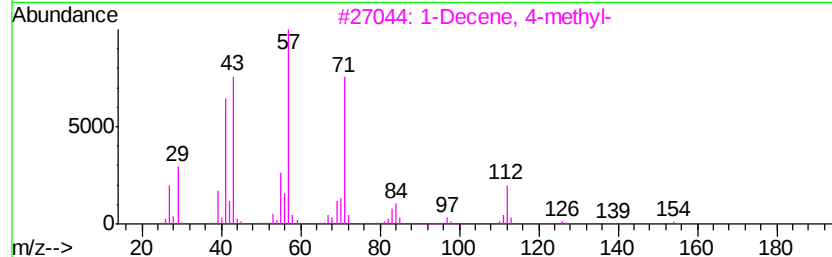
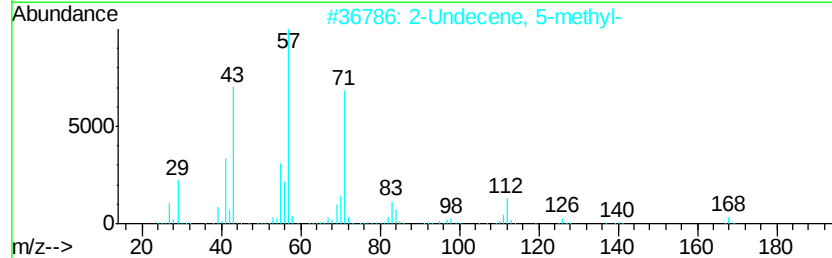
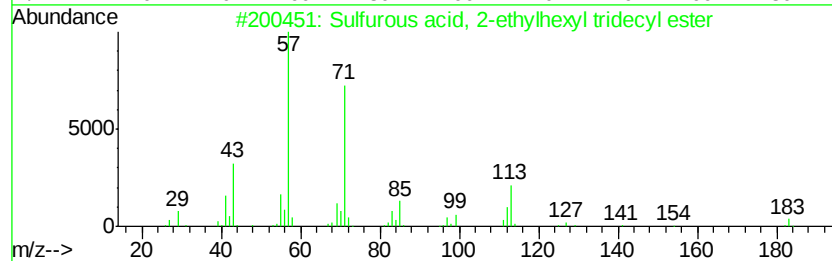
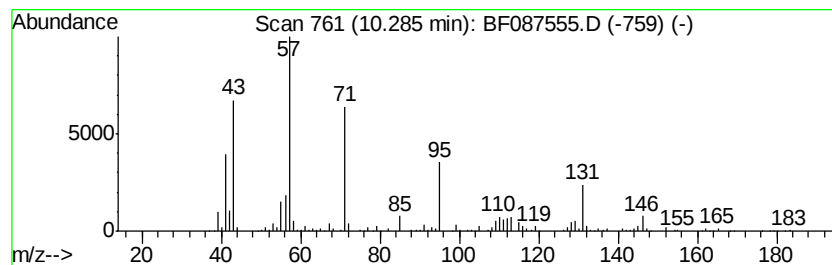
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown10.28 Concentration Rank 15

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.28 | 23.74 ng | 1136050 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 43   |
| 2    |    | 2-Undecene, 5-methyl-               | 168 | C12H24    | 056851-34-4  | 43   |
| 3    |    | 1-Decene, 4-methyl-                 | 154 | C11H22    | 013151-29-6  | 38   |
| 4    |    | 3-Hexanone, 2,2-dimethyl-           | 128 | C8H16O    | 005405-79-8  | 38   |
| 5    |    | Heptane, 3-ethyl-5-methyl-          | 142 | C10H22    | 052896-90-9  | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

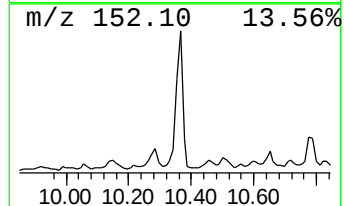
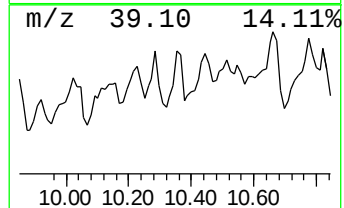
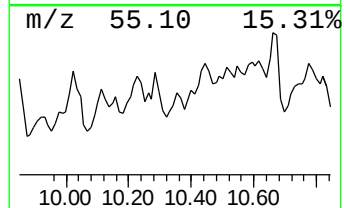
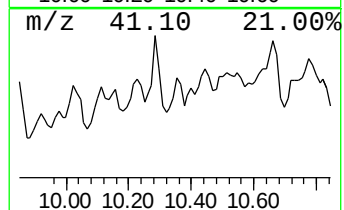
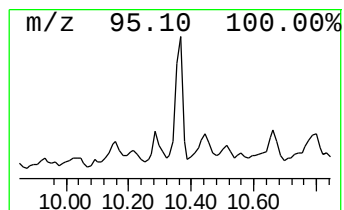
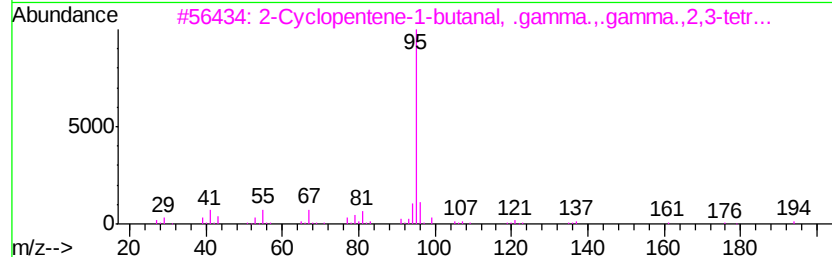
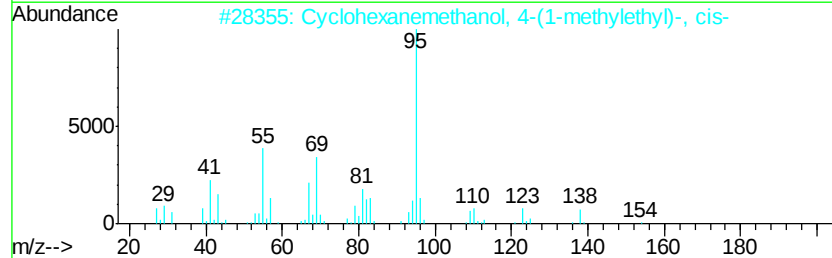
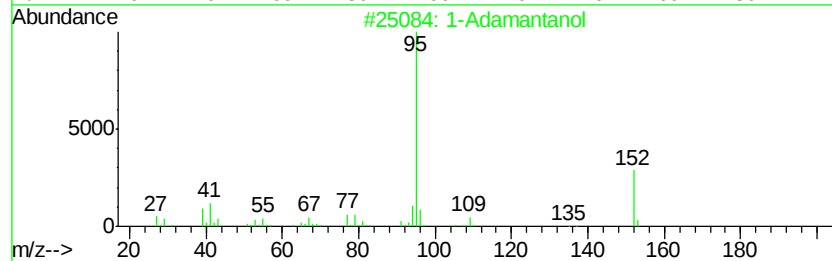
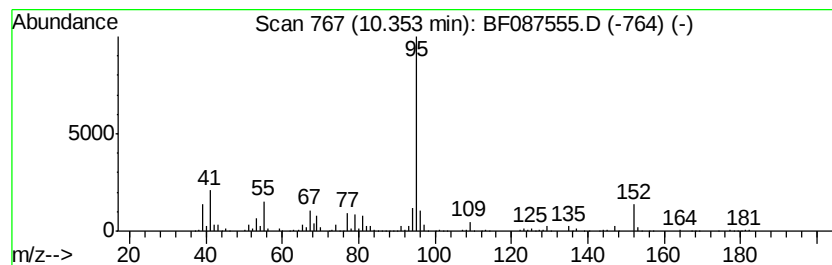
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ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 1-Adamantanol Concentration Rank 18

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 10.35   | 19.39 ng                            | 928015       | Napthalene-d8    | 9.51      |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1-Adamantanol                       | 152 C10H16O  | 000768-95-6      | 91        |
| 2       | Cyclohexanemethanol, 4-(1-methyl... | 156 C10H20O  | 013828-37-0      | 64        |
| 3       | 2-Cyclopentene-1-butanal, .gamma... | 194 C13H22O  | 060714-25-2      | 59        |
| 4       | 2-Pyrimidinamine                    | 95 C4H5N3    | 000109-12-6      | 59        |
| 5       | 2-Cyclopentene-1-carboxylic acid... | 168 C10H16O2 | 005809-03-0      | 56        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

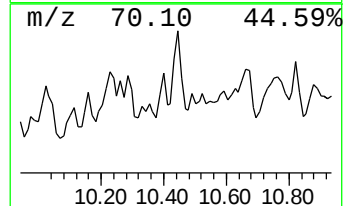
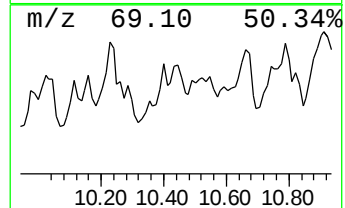
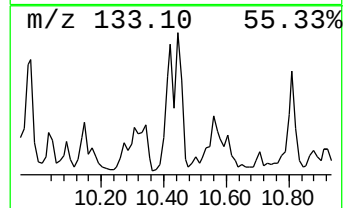
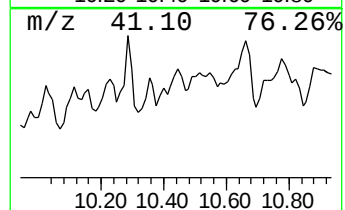
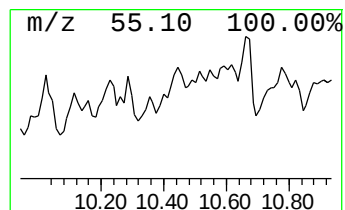
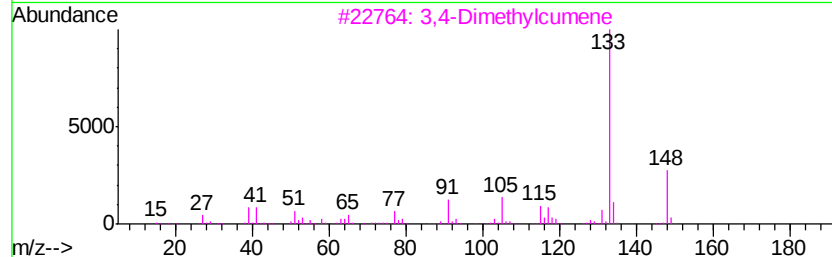
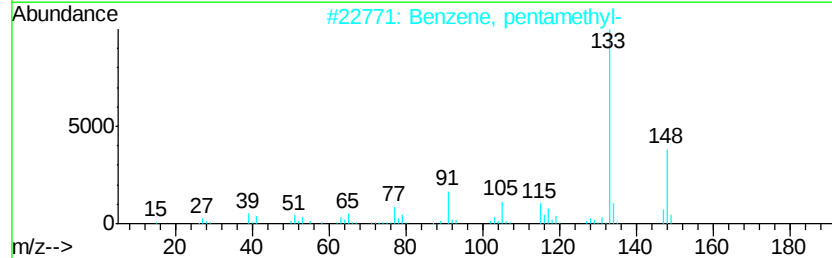
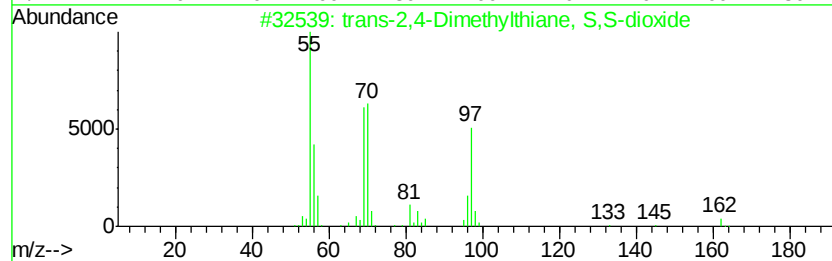
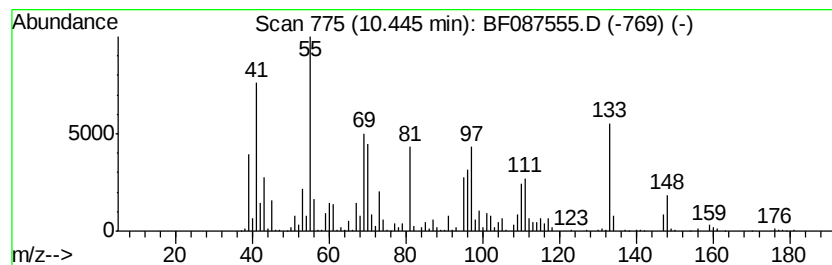
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown10.44 Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.44 | 26.73 ng | 1279140 | Napthalene-d8    | 9.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | trans-2,4-Dimethylthiane, S,S-di... | 162 | C7H14O2S | 1000215-67-6 | 27   |
| 2    |    | Benzene, pentamethyl-               | 148 | C11H16   | 000700-12-9  | 15   |
| 3    |    | 3,4-Dimethylcumene                  | 148 | C11H16   | 1000370-34-1 | 11   |
| 4    |    | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16   | 004218-48-8  | 10   |
| 5    |    | Cycloheptane, methyl-               | 112 | C8H16    | 004126-78-7  | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

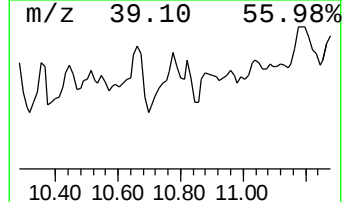
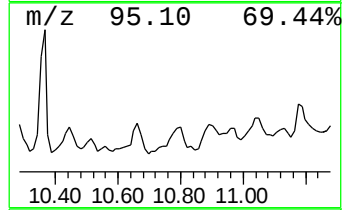
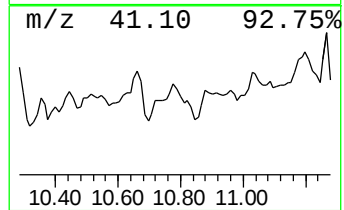
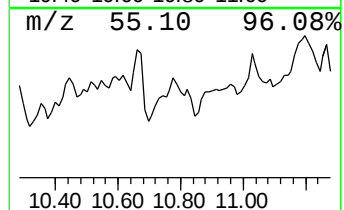
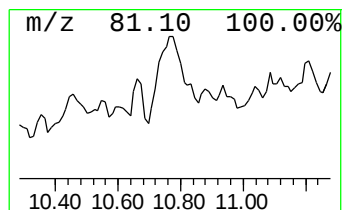
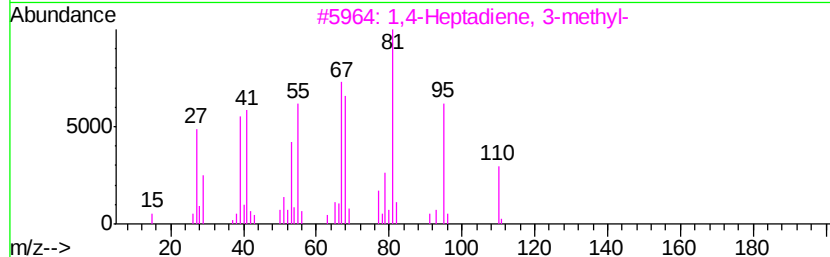
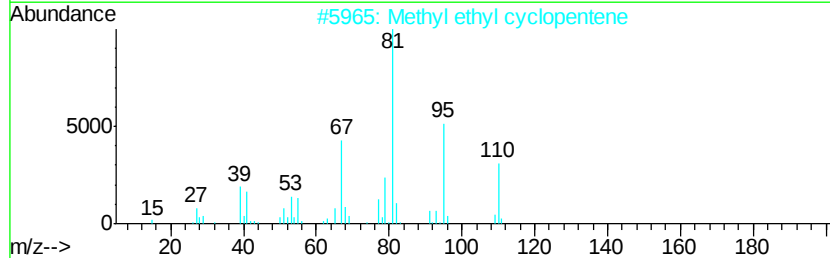
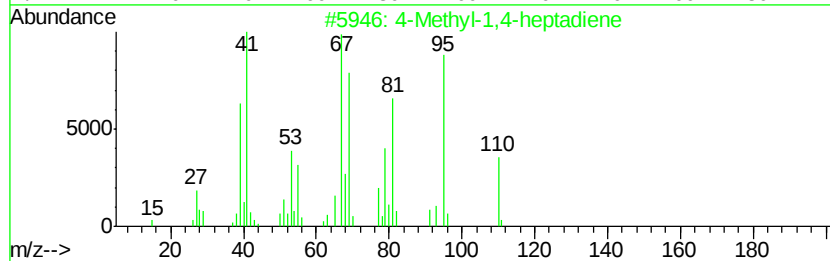
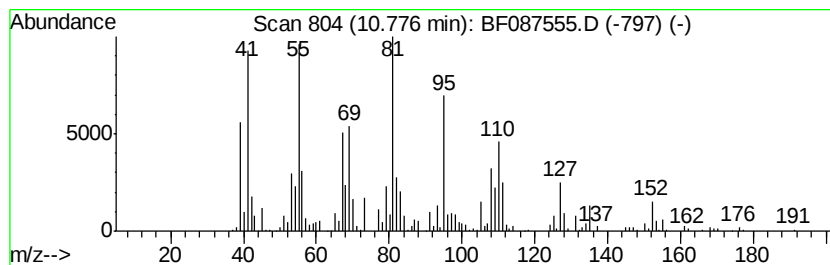
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 4-Methyl-1,4-heptadiene Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.78 | 39.51 ng | 1890690 | Naphthalene-d8   | 9.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 4-Methyl-1,4-heptadiene             | 110 | C8H14   | 013857-55-1 | 83   |
| 2    |    | Methyl ethyl cyclopentene           | 110 | C8H14   | 019780-56-4 | 70   |
| 3    |    | 1,4-Heptadiene, 3-methyl-           | 110 | C8H14   | 001603-01-6 | 58   |
| 4    |    | 2H-Inden-2-one, octahydro-3a-met... | 152 | C10H16O | 013351-29-6 | 42   |
| 5    |    | 2,4-Hexadiene, 2,5-dimethyl-        | 110 | C8H14   | 000764-13-6 | 42   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

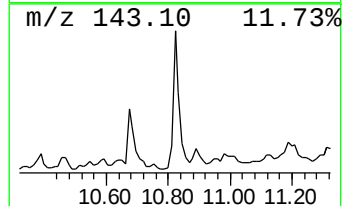
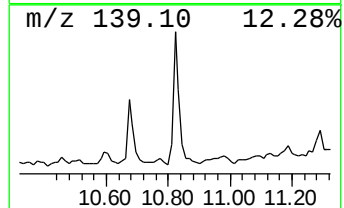
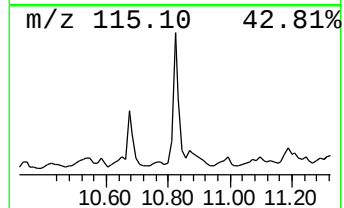
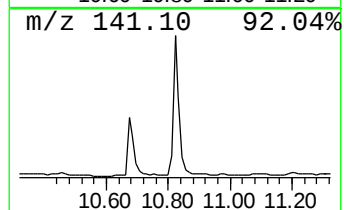
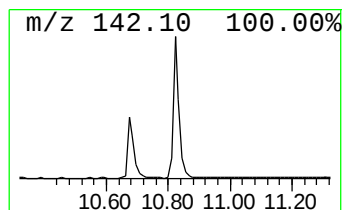
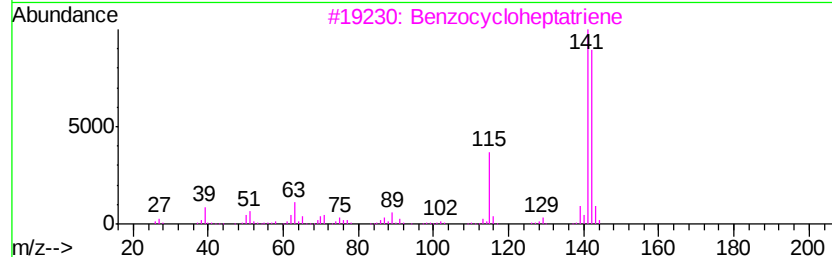
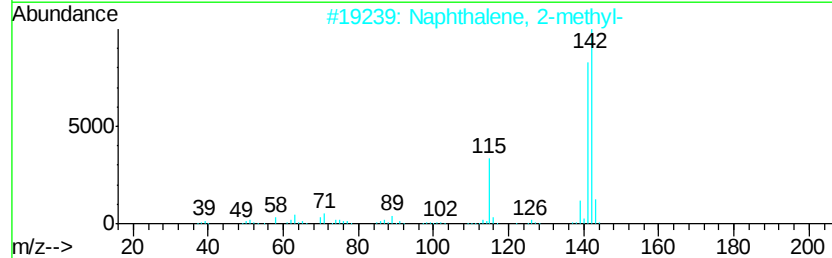
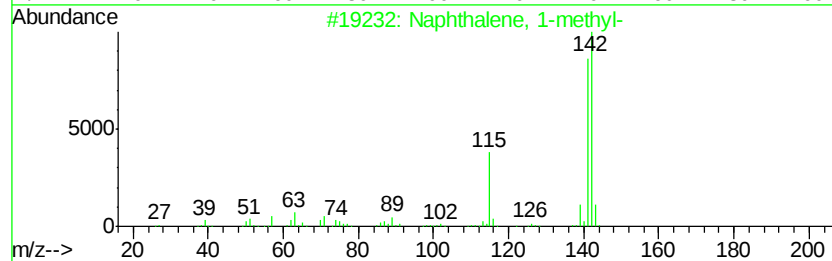
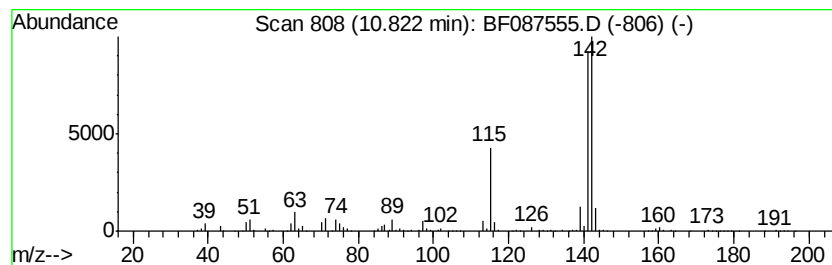
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 12

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.82 | 26.59 ng | 1272300 | Naphthalene-d8   | 9.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 97   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

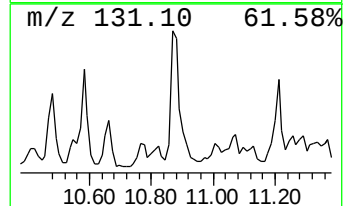
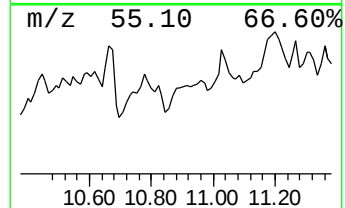
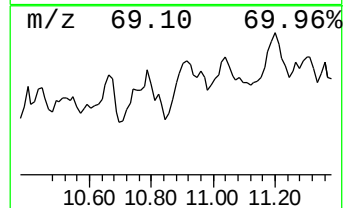
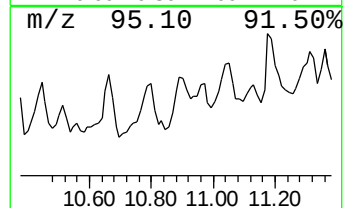
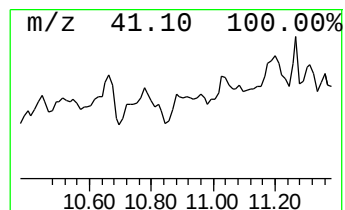
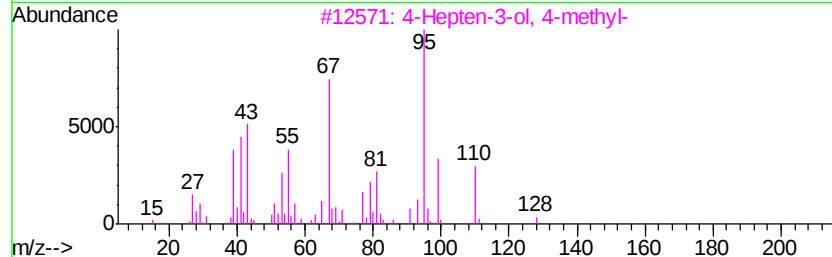
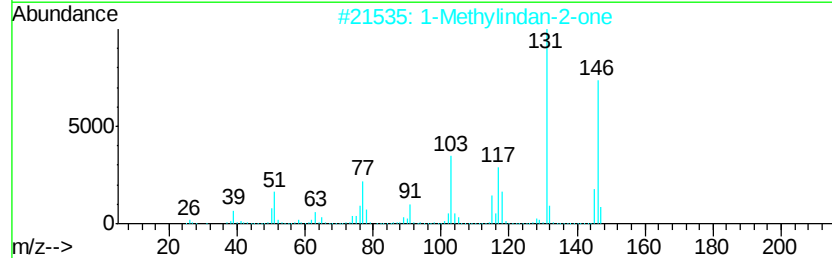
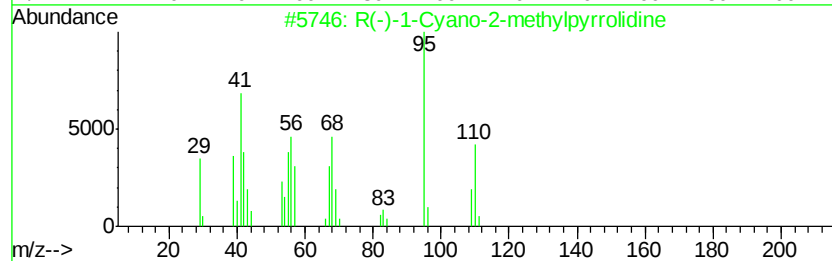
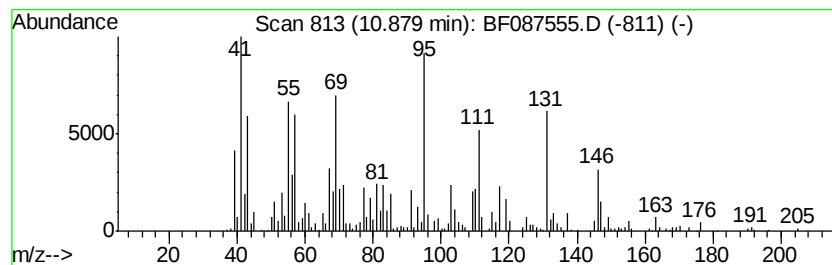
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 unknown10.88 Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.88 | 33.82 ng | 1618140 | Naphthalene-d8   | 9.51 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------------|-----|---------|--------------|------|
| 1    | 5  | R(-)-1-Cyano-2-methylpyrrolidine | 110 | C6H10N2 | 1000145-01-8 | 30   |
| 2    |    | 1-Methylindan-2-one              | 146 | C10H10O | 035587-60-1  | 30   |
| 3    |    | 4-Hepten-3-ol, 4-methyl-         | 128 | C8H16O  | 081280-12-8  | 30   |
| 4    |    | Cyclopentene, 1,2,3-trimethyl-   | 110 | C8H14   | 000473-91-6  | 22   |
| 5    |    | Methyl 2-hexynoate               | 126 | C7H10O2 | 1000340-59-2 | 18   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

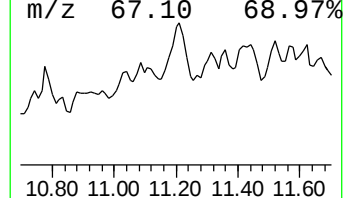
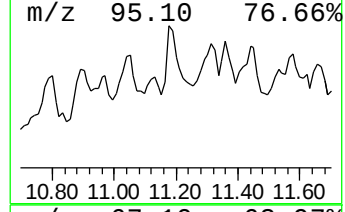
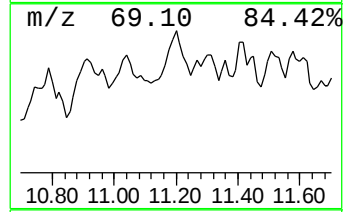
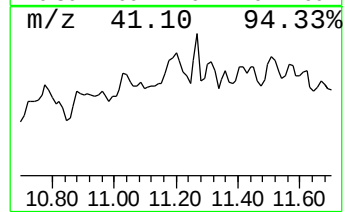
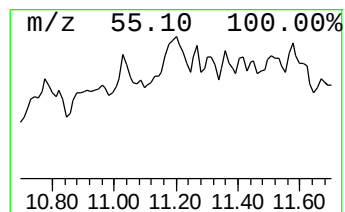
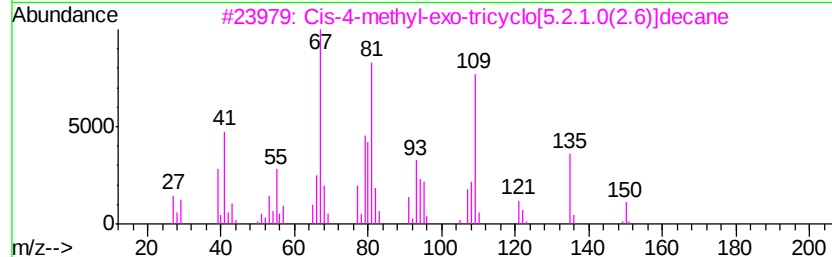
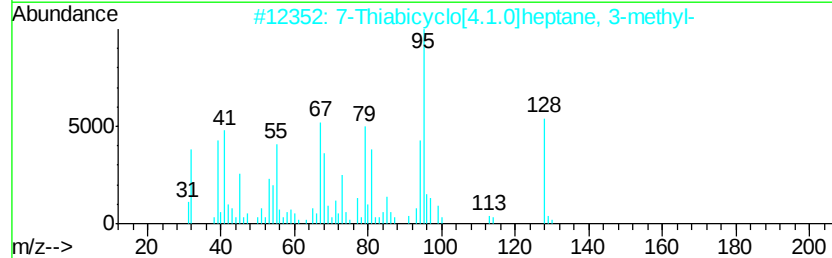
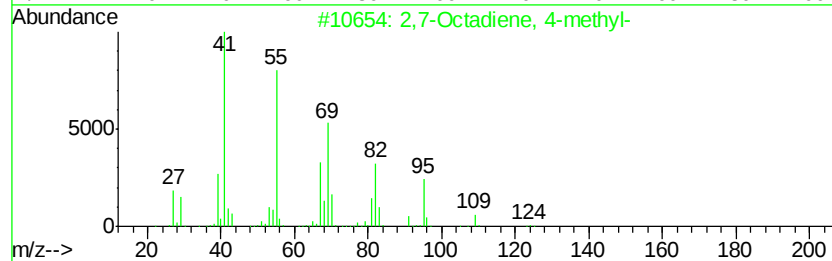
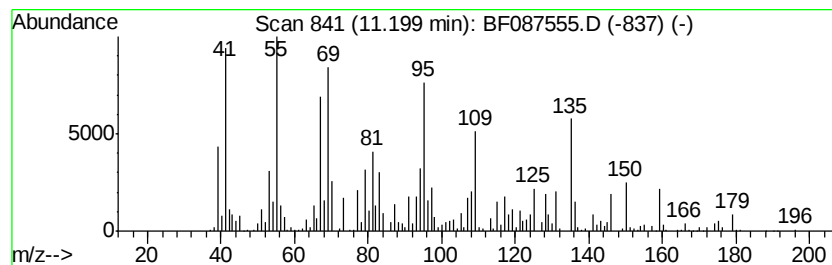
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown11.20 Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.20 | 32.37 ng | 2029060 | Acenaphthene-d10 | 12.34 |

| Hit# | of | Tentative ID                                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-----------------------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 2,7-Octadiene, 4-methyl-                            | 124 | C9H16    | 1000061-78-0 | 45   |
| 2    |    | 7-Thiabicyclo[4.1.0]heptane, 3-methyl-              | 128 | C7H12S   | 054725-38-1  | 25   |
| 3    |    | Cis-4-methyl-exo-tricyclo[5.2.1]decane              | 150 | C11H18   | 1000215-29-2 | 25   |
| 4    |    | Naphthalene, decahydro-1,4-dimethyl-                | 198 | C12H22O2 | 041766-65-8  | 25   |
| 5    |    | Cyclopropane, 1,1-dimethyl-2-(1-methyl-2-propenyl)- | 124 | C9H16    | 074779-84-3  | 22   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

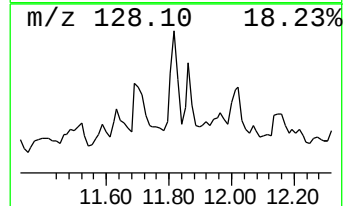
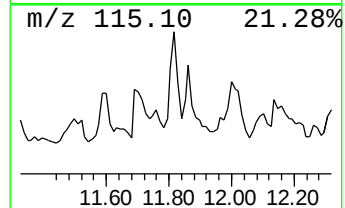
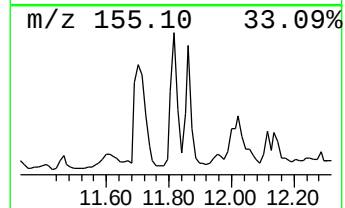
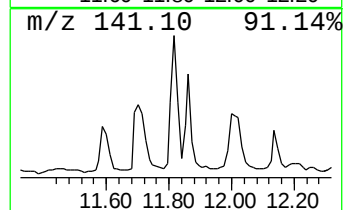
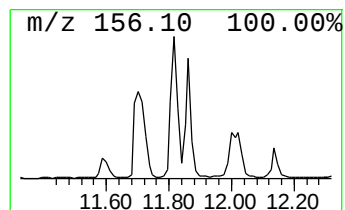
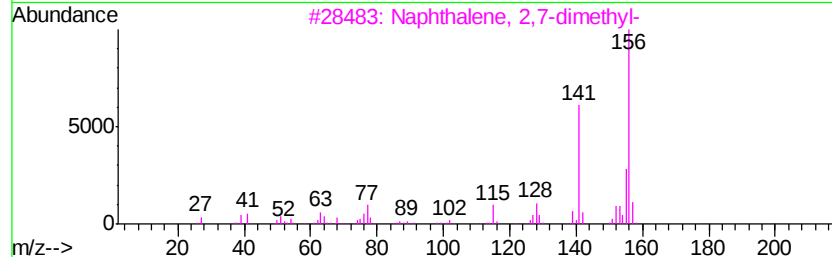
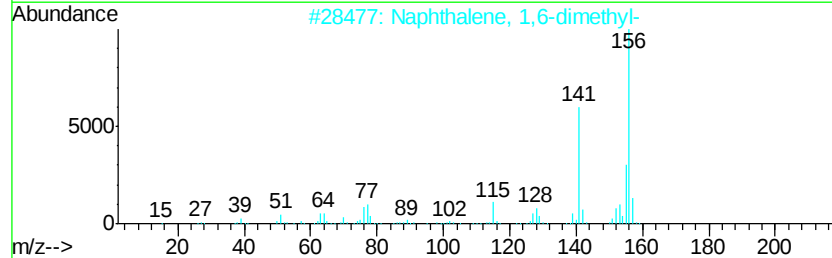
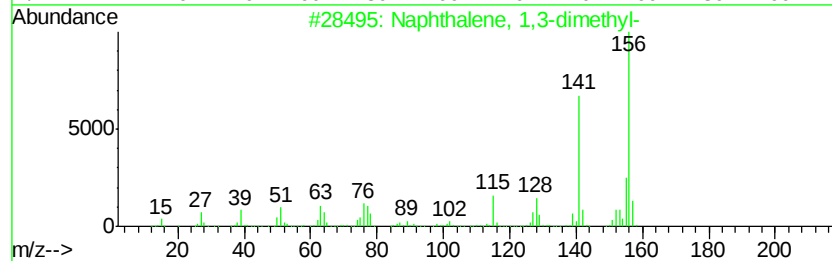
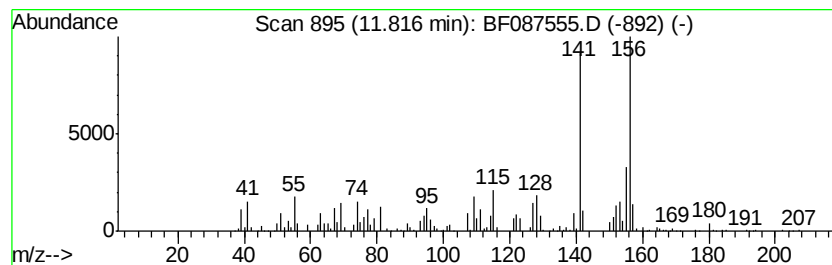
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Naphthalene, 1,3-dimethyl- Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.82 | 26.03 ng | 1631930 | Acenaphthene-d10 | 12.34 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

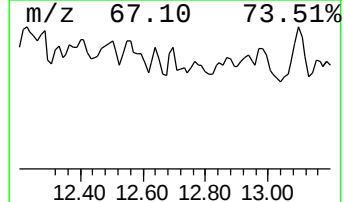
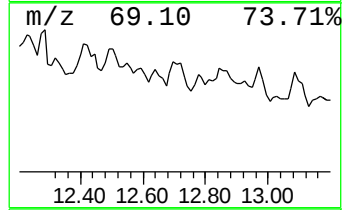
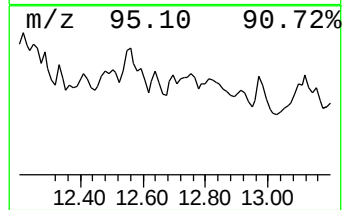
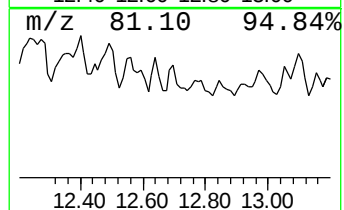
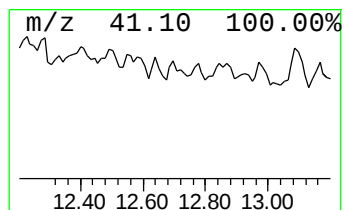
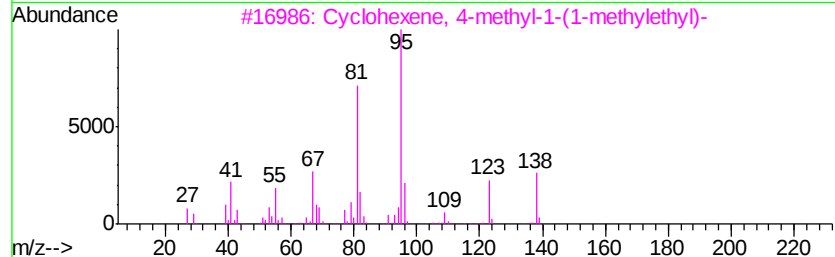
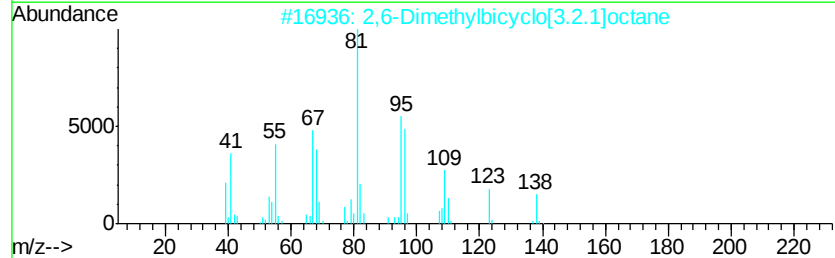
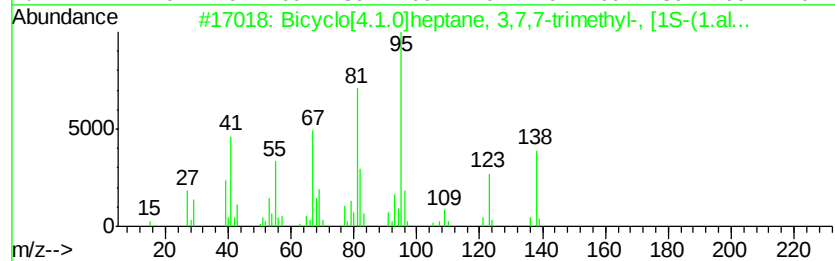
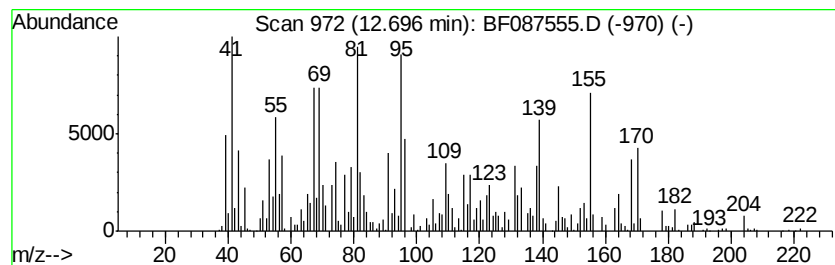
Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 unknown12.70 Concentration Rank 19

| R.T.      | EstConc                              | Area    | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------------|---------|------------------|--------------|------|
| 12.70     | 17.91 ng                             | 1122870 | Acenaphthene-d10 | 12.34        |      |
| Hit# of 5 | Tentative ID                         | MW      | MolForm          | CAS#         | Qual |
| 1         | Bicyclo[4.1.0]heptane, 3,7,7-tri...  | 138     | C10H18           | 002778-68-9  | 46   |
| 2         | 2,6-Dimethylbicyclo[3.2.1]octane     | 138     | C10H18           | 1000215-28-2 | 46   |
| 3         | Cyclohexene, 4-methyl-1-(1-methyl... | 138     | C10H18           | 000500-00-5  | 45   |
| 4         | Bicyclo[4.1.0]heptane, 3,7,7-tri...  | 138     | C10H18           | 018968-23-5  | 45   |
| 5         | Cyclohexane, 1-methyl-4-(1-methyl... | 138     | C10H18           | 001879-07-8  | 42   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

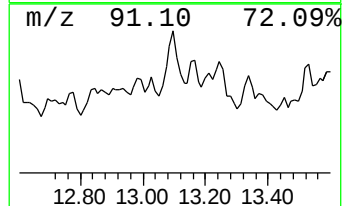
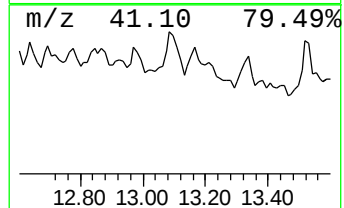
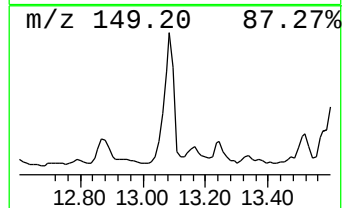
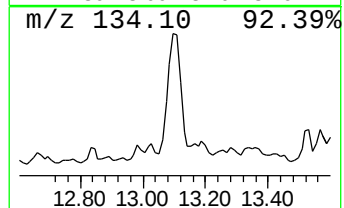
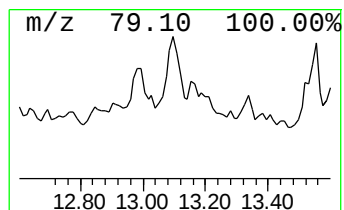
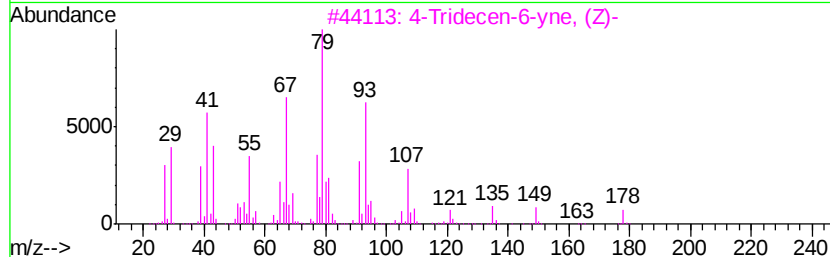
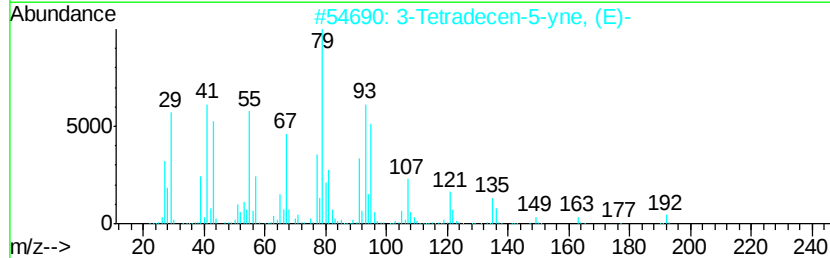
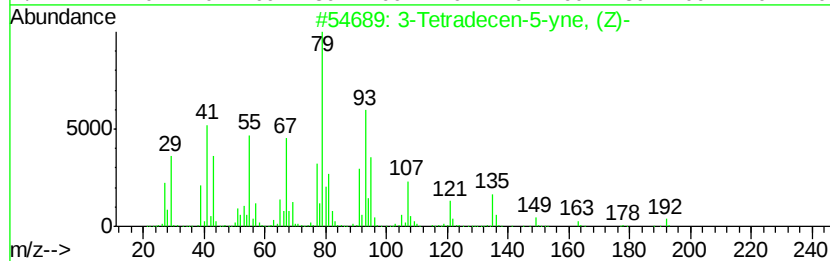
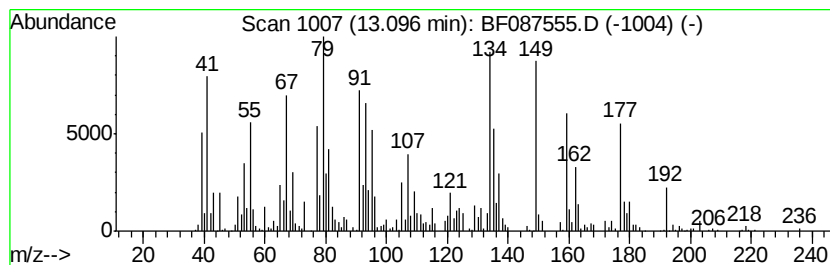
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown13.10 Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.10 | 27.35 ng | 1714630 | Acenaphthene-d10 | 12.34 |

| Hit# | of | Tentative ID                  | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3-Tetradecen-5-yne, (Z)-      | 192 | C14H24   | 074663-68-6 | 46   |
| 2    |    | 3-Tetradecen-5-yne, (E)-      | 192 | C14H24   | 074744-44-8 | 38   |
| 3    |    | 4-Tridecen-6-yne, (Z)-        | 178 | C13H22   | 074744-42-6 | 35   |
| 4    |    | 3-Heptadecen-5-yne, (Z)-      | 234 | C17H30   | 074744-55-1 | 25   |
| 5    |    | Sydnone, 3-(4-methoxyphenyl)- | 192 | C9H8N2O3 | 003815-80-3 | 25   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

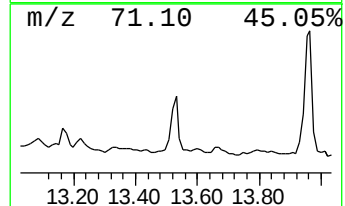
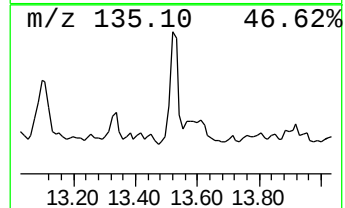
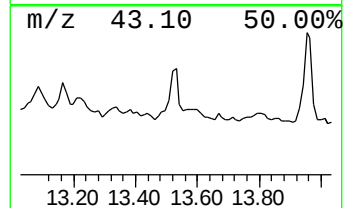
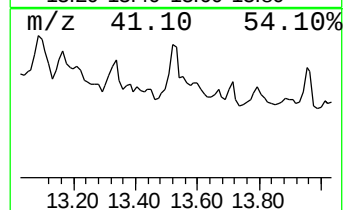
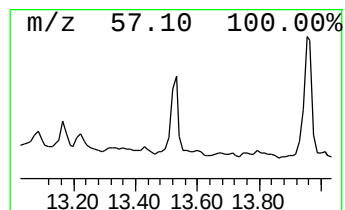
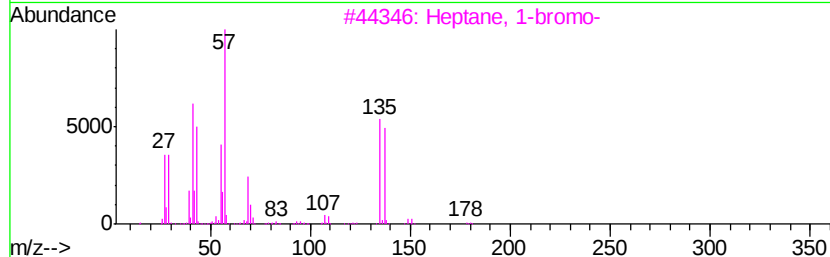
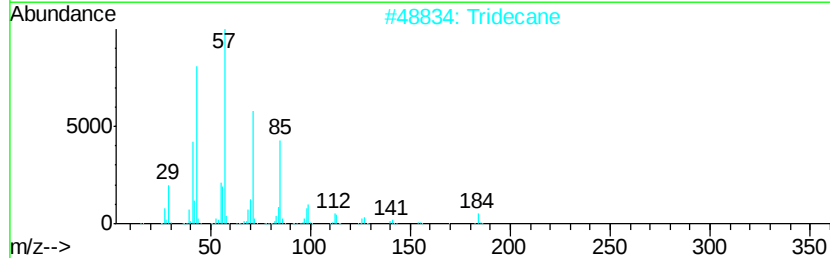
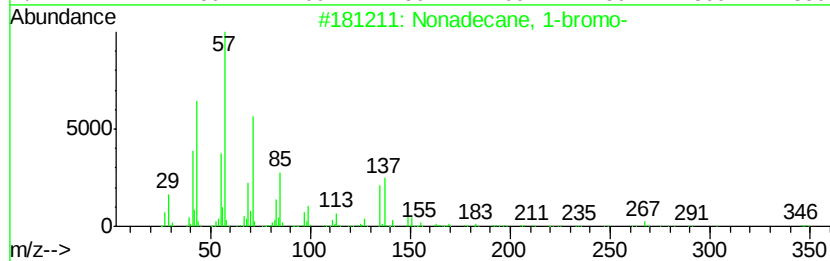
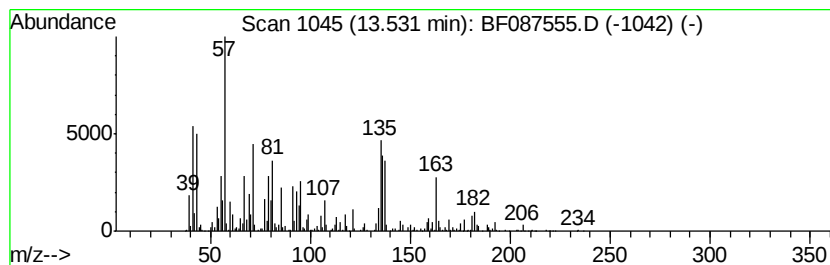
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown13.53 Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.53 | 28.71 ng | 1799690 | Acenaphthene-d10 | 12.34 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | Nonadecane, 1-bromo-  | 346 | C19H39Br | 004434-66-6 | 35   |
| 2    |    | Tridecane             | 184 | C13H28   | 000629-50-5 | 25   |
| 3    |    | Heptane, 1-bromo-     | 178 | C7H15Br  | 000629-04-9 | 14   |
| 4    |    | Octane, 3,5-dimethyl- | 142 | C10H22   | 015869-93-9 | 11   |
| 5    |    | 2-Bromo dodecane      | 248 | C12H25Br | 013187-99-0 | 11   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
Data File : BF087555.D  
Acq On : 30 May 2016 17:38  
Operator : UM/SJ  
Sample : H3317-10  
Misc :  
ALS Vial : 75 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

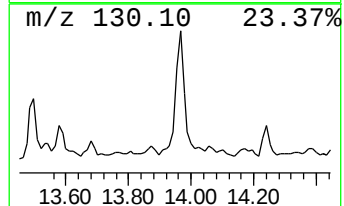
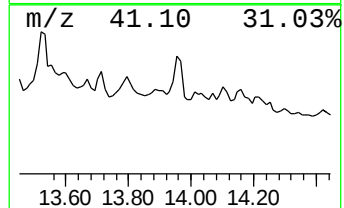
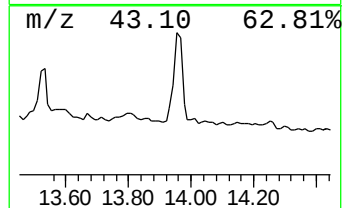
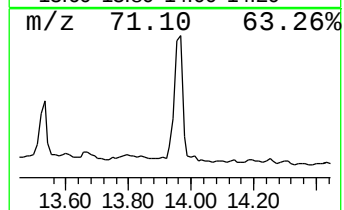
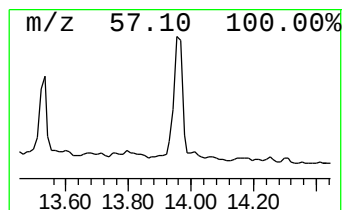
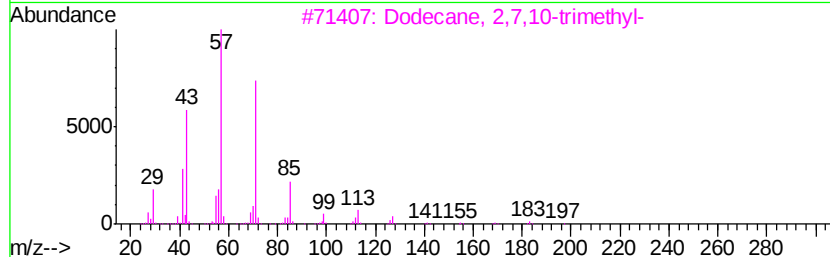
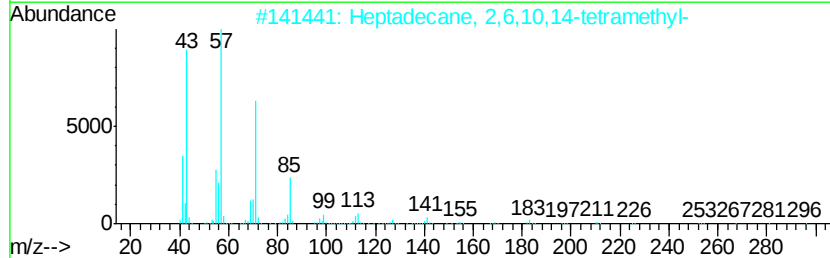
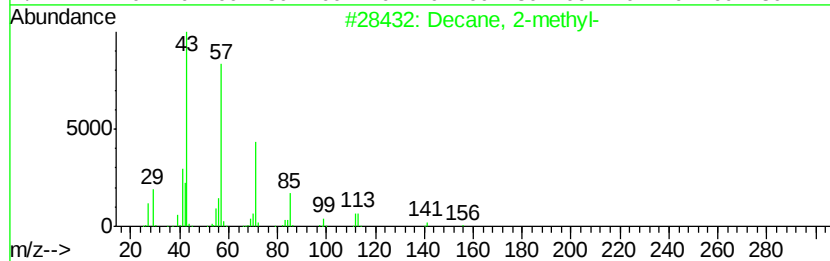
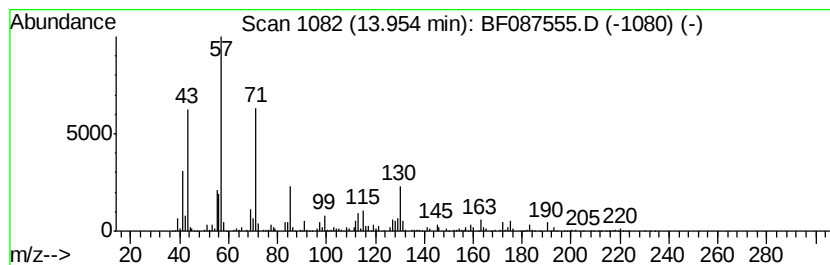
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Decane, 2-methyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.95 | 36.58 ng | 1279640 | Phenanthrene-d10 | 14.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2-methyl-                   | 156 | C11H24  | 006975-98-0 | 68   |
| 2    |    | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 64   |
| 3    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 64   |
| 4    |    | Heptadecane, 2,6-dimethyl-          | 268 | C19H40  | 054105-67-8 | 64   |
| 5    |    | Octane, 3,6-dimethyl-               | 142 | C10H22  | 015869-94-0 | 52   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087555.D  
 Acq On : 30 May 2016 17:38  
 Operator : UM/SJ  
 Sample : H3317-10  
 Misc :  
 ALS Vial : 75 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-34

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1H-Indene, 2,3-di... | 8.99  | 17.1 ng |       | 815899   | 2                     | 9.51  | 956972  | 20.0 |
| Indan, 1-methyl-     | 9.10  | 39.4 ng |       | 1886650  | 2                     | 9.51  | 956972  | 20.0 |
| Undecane, 2,6-dim... | 9.70  | 43.6 ng |       | 2084090  | 2                     | 9.51  | 956972  | 20.0 |
| unknown9.85          | 9.85  | 28.4 ng |       | 1356350  | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.02         | 10.02 | 22.8 ng |       | 1089670  | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.11         | 10.11 | 24.4 ng |       | 1167530  | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.23         | 10.23 | 20.9 ng |       | 998573   | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.28         | 10.28 | 23.7 ng |       | 1136050  | 2                     | 9.51  | 956972  | 20.0 |
| 1-Adamantanol        | 10.35 | 19.4 ng |       | 928015   | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.44         | 10.44 | 26.7 ng |       | 1279140  | 2                     | 9.51  | 956972  | 20.0 |
| 4-Methyl-1,4-hept... | 10.78 | 39.5 ng |       | 1890690  | 2                     | 9.51  | 956972  | 20.0 |
| Naphthalene, 1-me... | 10.82 | 26.6 ng |       | 1272300  | 2                     | 9.51  | 956972  | 20.0 |
| unknown10.88         | 10.88 | 33.8 ng |       | 1618140  | 2                     | 9.51  | 956972  | 20.0 |
| unknown11.20         | 11.20 | 32.4 ng |       | 2029060  | 3                     | 12.34 | 1253720 | 20.0 |
| Naphthalene, 1,3-... | 11.82 | 26.0 ng |       | 1631930  | 3                     | 12.34 | 1253720 | 20.0 |
| unknown12.70         | 12.70 | 17.9 ng |       | 1122870  | 3                     | 12.34 | 1253720 | 20.0 |
| unknown13.10         | 13.10 | 27.4 ng |       | 1714630  | 3                     | 12.34 | 1253720 | 20.0 |
| unknown13.53         | 13.53 | 28.7 ng |       | 1799690  | 3                     | 12.34 | 1253720 | 20.0 |
| Decane, 2-methyl-    | 13.95 | 36.6 ng |       | 1279640  | 4                     | 14.77 | 699735  | 20.0 |