

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
 Data File : BF083027.D  
 Acq On : 19 Nov 2015 00:22  
 Operator : UM/IZ  
 Sample : G4426-03 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

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-BF110715.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.247       | 186           | 189         | 192          | rBV      | 17273          | 27224         | 2.50%           | 0.190%        |
| 2         | 4.807       | 232           | 238         | 240          | rBV2     | 32239          | 46633         | 4.28%           | 0.325%        |
| 3         | 4.864       | 240           | 243         | 246          | rBV      | 187466         | 198342        | 18.18%          | 1.381%        |
| 4         | 5.093       | 260           | 263         | 264          | rBV      | 27718          | 36394         | 3.34%           | 0.253%        |
| 5         | 5.321       | 281           | 283         | 286          | rVV      | 446089         | 399335        | 36.61%          | 2.780%        |
| 6         | 5.470       | 294           | 296         | 298          | rBV      | 19936          | 24764         | 2.27%           | 0.172%        |
| 7         | 5.516       | 298           | 300         | 302          | rVV      | 27538          | 26946         | 2.47%           | 0.188%        |
| 8         | 5.733       | 316           | 319         | 321          | rVB2     | 33383          | 45438         | 4.17%           | 0.316%        |
| 9         | 5.790       | 321           | 324         | 328          | rBV3     | 11532          | 32947         | 3.02%           | 0.229%        |
| 10        | 5.870       | 328           | 331         | 333          | rVB      | 41736          | 48172         | 4.42%           | 0.335%        |
| 11        | 5.927       | 333           | 336         | 338          | rBV2     | 15956          | 27640         | 2.53%           | 0.192%        |
| 12        | 5.973       | 338           | 340         | 343          | rVB      | 71940          | 84045         | 7.71%           | 0.585%        |
| 13        | 6.030       | 343           | 345         | 354          | rVB4     | 28090          | 68096         | 6.24%           | 0.474%        |
| 14        | 6.167       | 354           | 357         | 359          | rBV2     | 29548          | 51899         | 4.76%           | 0.361%        |
| 15        | 6.236       | 362           | 363         | 364          | rVV      | 33463          | 31257         | 2.87%           | 0.218%        |
| 16        | 6.259       | 364           | 365         | 370          | rVB2     | 23257          | 45306         | 4.15%           | 0.315%        |
| 17        | 6.373       | 373           | 375         | 379          | rVB      | 516186         | 477043        | 43.74%          | 3.321%        |
| 18        | 6.499       | 382           | 386         | 388          | rBV      | 505514         | 471125        | 43.19%          | 3.280%        |
| 19        | 6.590       | 392           | 394         | 396          | rBV2     | 12812          | 23968         | 2.20%           | 0.167%        |
| 20        | 6.727       | 404           | 406         | 408          | rVB      | 857097         | 705430        | 64.68%          | 4.911%        |
| 21        | 6.762       | 408           | 409         | 410          | rVB      | 46737          | 32062         | 2.94%           | 0.223%        |
| 22        | 6.887       | 417           | 420         | 422          | rBV      | 396569         | 375995        | 34.47%          | 2.618%        |
| 23        | 6.979       | 425           | 428         | 430          | rBV3     | 10098          | 25751         | 2.36%           | 0.179%        |
| 24        | 7.127       | 440           | 441         | 447          | rVB4     | 25975          | 42756         | 3.92%           | 0.298%        |
| 25        | 7.287       | 453           | 455         | 457          | rVB      | 305382         | 263458        | 24.15%          | 1.834%        |
| 26        | 7.539       | 476           | 477         | 480          | rVB      | 40554          | 40291         | 3.69%           | 0.281%        |
| 27        | 7.653       | 484           | 487         | 490          | rBV2     | 20938          | 47559         | 4.36%           | 0.331%        |
| 28        | 7.756       | 494           | 496         | 498          | rBV3     | 22595          | 27232         | 2.50%           | 0.190%        |
| 29        | 7.859       | 502           | 505         | 506          | rVB2     | 13631          | 24028         | 2.20%           | 0.167%        |
| 30        | 7.985       | 513           | 516         | 517          | rBV3     | 19402          | 30782         | 2.82%           | 0.214%        |
| 31        | 8.019       | 517           | 519         | 521          | rBV      | 1192022        | 1007047       | 92.33%          | 7.011%        |
| 32        | 8.099       | 525           | 526         | 527          | rBV      | 74865          | 54106         | 4.96%           | 0.377%        |
| 33        | 8.316       | 539           | 545         | 547          | rBV5     | 32505          | 77252         | 7.08%           | 0.538%        |
| 34        | 8.407       | 552           | 553         | 555          | rVB2     | 31876          | 30014         | 2.75%           | 0.209%        |

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Instrument :  
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 ClientSampleId :  
 SB-3

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-BF110715.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |          |         |         |         |        |
|----|--------|-----|-----|----------|---------|---------|---------|--------|
| 35 | 8.465  | 555 | 558 | 562 rBV  | 77637   | 121476  | 11.14%  | 0.846% |
| 36 | 8.522  | 562 | 563 | 565 rBV2 | 18968   | 27389   | 2.51%   | 0.191% |
| 37 | 8.567  | 565 | 567 | 570 rBV3 | 16250   | 31109   | 2.85%   | 0.217% |
| 38 | 8.625  | 570 | 572 | 573 rBV2 | 27367   | 34408   | 3.15%   | 0.240% |
| 39 | 8.727  | 579 | 581 | 583 rVB  | 217008  | 212436  | 19.48%  | 1.479% |
| 40 | 8.773  | 583 | 585 | 587 rBV3 | 15658   | 32391   | 2.97%   | 0.226% |
| 41 | 8.830  | 587 | 590 | 592 rVV  | 126456  | 150624  | 13.81%  | 1.049% |
| 42 | 8.933  | 595 | 599 | 601 rVV3 | 45060   | 92354   | 8.47%   | 0.643% |
| 43 | 9.013  | 604 | 606 | 607 rVV2 | 20033   | 24670   | 2.26%   | 0.172% |
| 44 | 9.059  | 607 | 610 | 611 rVV  | 140242  | 142845  | 13.10%  | 0.994% |
| 45 | 9.093  | 611 | 613 | 615 rVV  | 605333  | 510042  | 46.76%  | 3.551% |
| 46 | 9.196  | 618 | 622 | 624 rVV4 | 46237   | 123073  | 11.28%  | 0.857% |
| 47 | 9.242  | 624 | 626 | 628 rVV  | 52292   | 89169   | 8.18%   | 0.621% |
| 48 | 9.288  | 628 | 630 | 634 rVV  | 81614   | 123951  | 11.36%  | 0.863% |
| 49 | 9.356  | 634 | 636 | 639 rVV  | 161734  | 240956  | 22.09%  | 1.678% |
| 50 | 9.436  | 640 | 643 | 644 rVV  | 161248  | 268795  | 24.64%  | 1.871% |
| 51 | 9.493  | 646 | 648 | 651 rVV2 | 154343  | 328094  | 30.08%  | 2.284% |
| 52 | 9.550  | 651 | 653 | 655 rVV  | 74725   | 128144  | 11.75%  | 0.892% |
| 53 | 9.596  | 655 | 657 | 658 rVV2 | 34785   | 42994   | 3.94%   | 0.299% |
| 54 | 9.630  | 658 | 660 | 663 rVV3 | 55158   | 95973   | 8.80%   | 0.668% |
| 55 | 9.688  | 663 | 665 | 666 rVV  | 50479   | 48479   | 4.44%   | 0.338% |
| 56 | 9.722  | 666 | 668 | 669 rVV  | 27211   | 27305   | 2.50%   | 0.190% |
| 57 | 9.768  | 669 | 672 | 675 rVV  | 1150740 | 1090701 | 100.00% | 7.594% |
| 58 | 9.813  | 675 | 676 | 680 rVV3 | 35397   | 65495   | 6.00%   | 0.456% |
| 59 | 9.870  | 680 | 681 | 684 rVB  | 67979   | 112640  | 10.33%  | 0.784% |
| 60 | 9.916  | 684 | 685 | 687 rBV  | 22299   | 28120   | 2.58%   | 0.196% |
| 61 | 9.973  | 687 | 690 | 692 rVV2 | 116461  | 153477  | 14.07%  | 1.069% |
| 62 | 10.008 | 692 | 693 | 695 rVV  | 60583   | 72843   | 6.68%   | 0.507% |
| 63 | 10.042 | 695 | 696 | 698 rVB2 | 61095   | 53459   | 4.90%   | 0.372% |
| 64 | 10.088 | 698 | 700 | 701 rBV  | 70066   | 66695   | 6.11%   | 0.464% |
| 65 | 10.111 | 701 | 702 | 704 rVB  | 56732   | 55250   | 5.07%   | 0.385% |
| 66 | 10.179 | 706 | 708 | 712 rVV3 | 55573   | 119227  | 10.93%  | 0.830% |
| 67 | 10.271 | 714 | 716 | 718 rVV2 | 26214   | 39987   | 3.67%   | 0.278% |
| 68 | 10.305 | 718 | 719 | 721 rVV2 | 20277   | 33194   | 3.04%   | 0.231% |
| 69 | 10.339 | 721 | 722 | 724 rVV  | 34063   | 41102   | 3.77%   | 0.286% |
| 70 | 10.373 | 724 | 725 | 729 rVV3 | 35269   | 57456   | 5.27%   | 0.400% |
| 71 | 10.442 | 729 | 731 | 732 rVV2 | 119881  | 140616  | 12.89%  | 0.979% |

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

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-BF110715.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.488 | 732  | 735  | 736  | rVB3 | 30852  | 53864  | 4.94%  | 0.375% |
| 73  | 10.556 | 739  | 741  | 743  | rVB2 | 176266 | 222540 | 20.40% | 1.549% |
| 74  | 10.591 | 743  | 744  | 748  | rBV3 | 30443  | 45094  | 4.13%  | 0.314% |
| 75  | 10.705 | 751  | 754  | 756  | rBV  | 214732 | 230820 | 21.16% | 1.607% |
| 76  | 10.762 | 757  | 759  | 760  | rBV2 | 19222  | 25956  | 2.38%  | 0.181% |
| 77  | 10.888 | 769  | 770  | 771  | rBV  | 47894  | 41234  | 3.78%  | 0.287% |
| 78  | 11.013 | 776  | 781  | 783  | rBV5 | 27217  | 68035  | 6.24%  | 0.474% |
| 79  | 11.162 | 793  | 794  | 798  | rVB  | 72374  | 102275 | 9.38%  | 0.712% |
| 80  | 11.242 | 799  | 801  | 804  | rBV  | 748840 | 815443 | 74.76% | 5.677% |
| 81  | 11.356 | 809  | 811  | 814  | rBV4 | 17632  | 30429  | 2.79%  | 0.212% |
| 82  | 11.482 | 820  | 822  | 824  | rBV3 | 14130  | 30508  | 2.80%  | 0.212% |
| 83  | 11.516 | 824  | 825  | 828  | rVV  | 26231  | 25735  | 2.36%  | 0.179% |
| 84  | 11.573 | 828  | 830  | 832  | rVB3 | 15437  | 26927  | 2.47%  | 0.187% |
| 85  | 11.608 | 832  | 833  | 836  | rVB3 | 20653  | 24331  | 2.23%  | 0.169% |
| 86  | 11.745 | 844  | 845  | 846  | rBV  | 26037  | 28826  | 2.64%  | 0.201% |
| 87  | 11.859 | 850  | 855  | 861  | rVB5 | 29521  | 89717  | 8.23%  | 0.625% |
| 88  | 12.248 | 886  | 889  | 891  | rBV3 | 26352  | 43258  | 3.97%  | 0.301% |
| 89  | 12.294 | 891  | 893  | 895  | rBV  | 34992  | 48673  | 4.46%  | 0.339% |
| 90  | 12.831 | 938  | 940  | 942  | rBV  | 375971 | 333525 | 30.58% | 2.322% |
| 91  | 12.991 | 952  | 954  | 958  | rBV4 | 13629  | 33951  | 3.11%  | 0.236% |
| 92  | 13.117 | 963  | 965  | 970  | rBV6 | 10976  | 35553  | 3.26%  | 0.248% |
| 93  | 13.208 | 971  | 973  | 976  | rBV3 | 26139  | 34203  | 3.14%  | 0.238% |
| 94  | 13.311 | 981  | 982  | 985  | rBV2 | 19613  | 31014  | 2.84%  | 0.216% |
| 95  | 13.459 | 993  | 995  | 997  | rBV2 | 17548  | 24446  | 2.24%  | 0.170% |
| 96  | 13.871 | 1029 | 1031 | 1034 | rBV  | 665840 | 760163 | 69.69% | 5.292% |
| 97  | 15.231 | 1148 | 1150 | 1151 | rBV  | 99650  | 141847 | 13.01% | 0.988% |
| 98  | 15.265 | 1151 | 1153 | 1155 | rVB  | 475910 | 536293 | 49.17% | 3.734% |
| 99  | 15.414 | 1163 | 1166 | 1168 | rBV  | 100705 | 166143 | 15.23% | 1.157% |
| 100 | 16.305 | 1241 | 1244 | 1248 | rVB  | 180785 | 335479 | 30.76% | 2.336% |

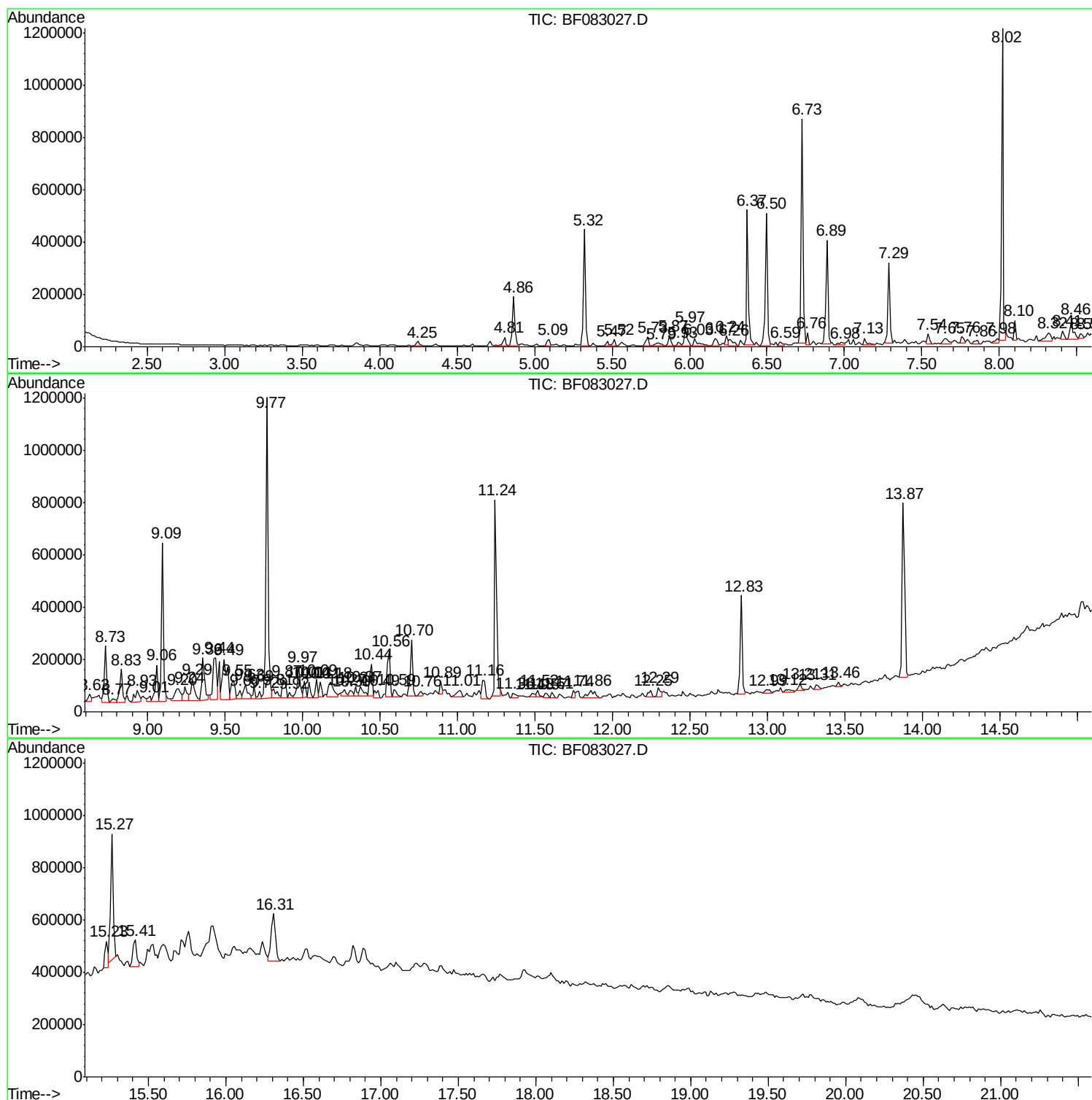
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Instrument :  
BNA\_F  
ClientSampled :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
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Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

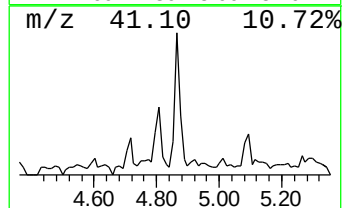
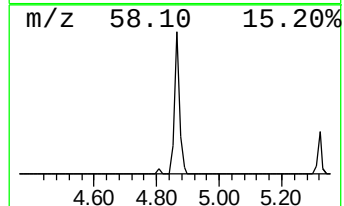
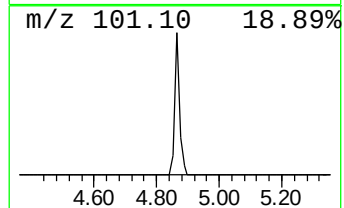
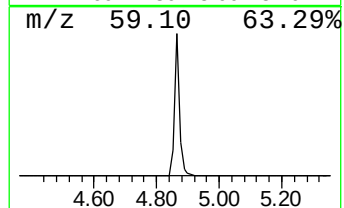
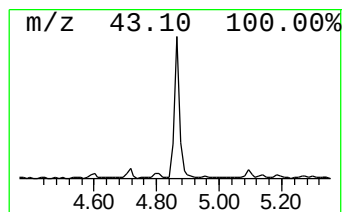
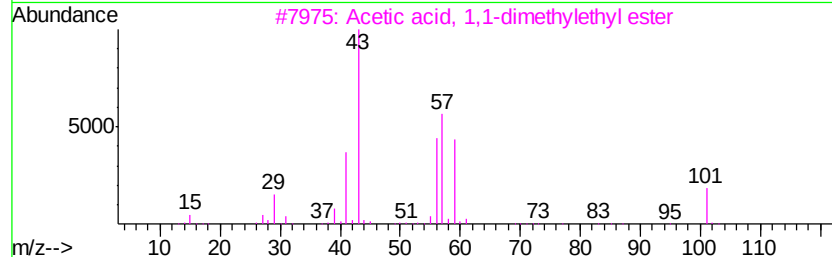
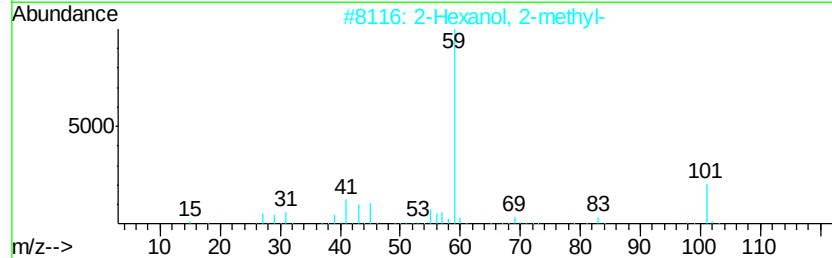
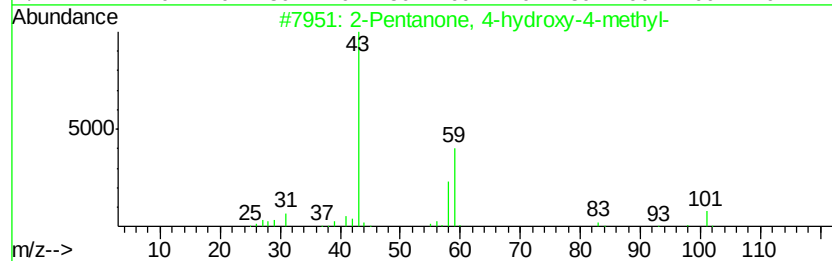
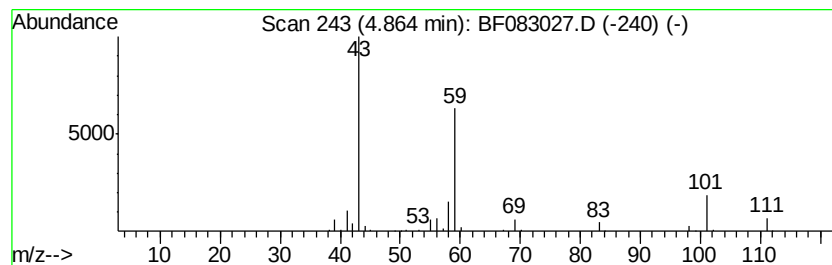
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.86 | 5.62 ng | 198342 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 47   |
| 3    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 36   |
| 4    |    |   | 3-Pentanol, 2-methyl-               | 102 | C6H14O   | 000565-67-3 | 32   |
| 5    |    |   | 1,8-Nonanediol, 8-methyl-           | 174 | C10H22O2 | 054725-73-4 | 25   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

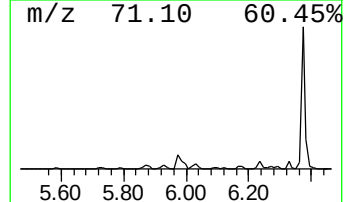
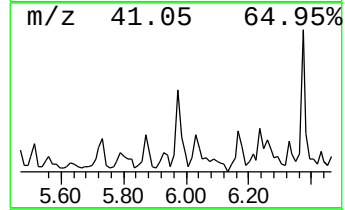
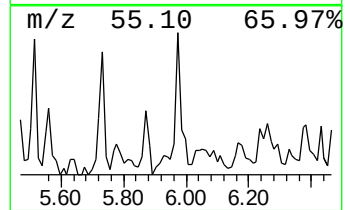
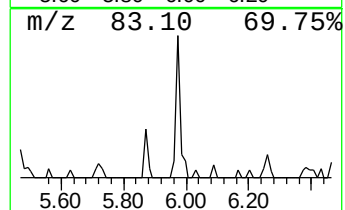
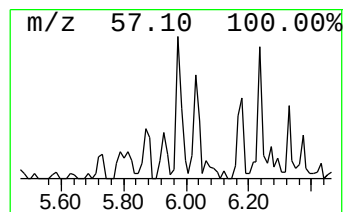
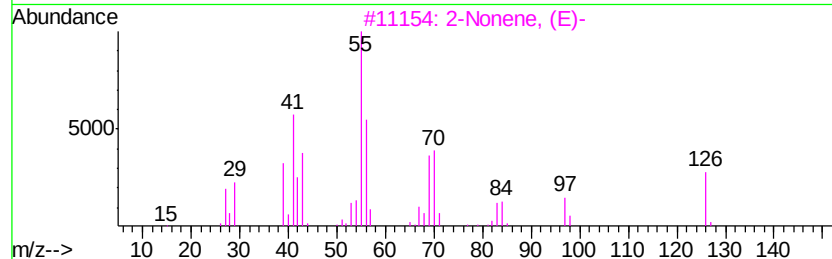
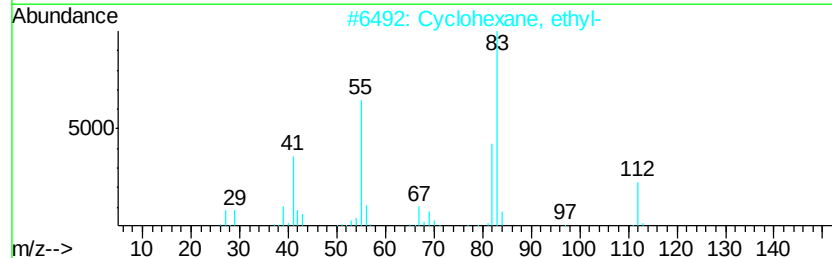
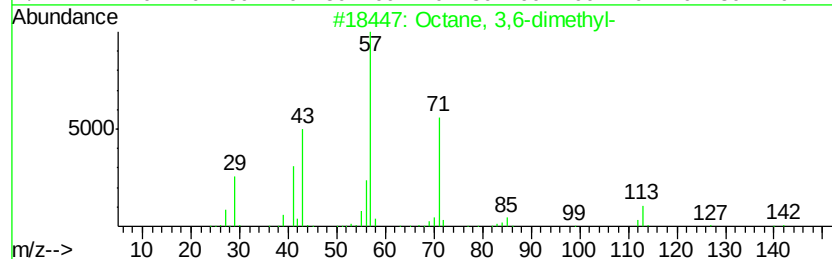
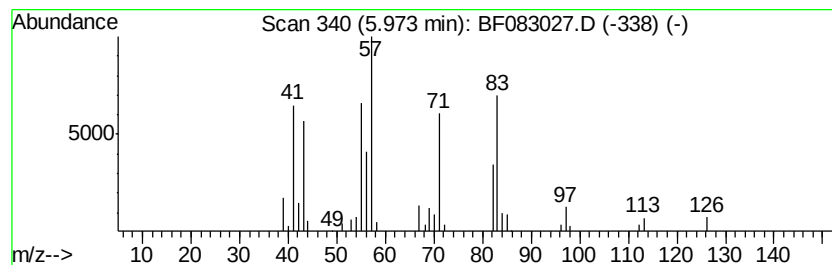
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown5.97 Concentration Rank 14

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.97 | 2.38 ng | 84045 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 3,6-dimethyl-           | 142 | C10H22  | 015869-94-0 | 35   |
| 2    |    | Cyclohexane, ethyl-             | 112 | C8H16   | 001678-91-7 | 30   |
| 3    |    | 2-Nonene, (E)-                  | 126 | C9H18   | 006434-78-2 | 30   |
| 4    |    | Cycloheptanone, 3-methyl-, (R)- | 126 | C8H14O  | 013609-58-0 | 30   |
| 5    |    | cis-2-Nonene                    | 126 | C9H18   | 006434-77-1 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

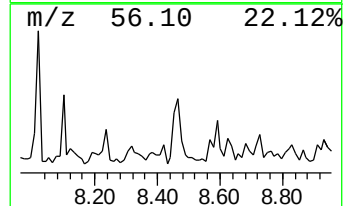
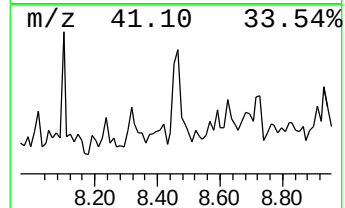
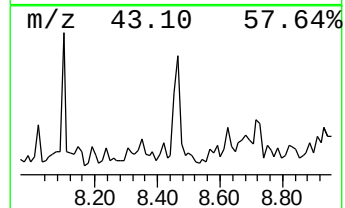
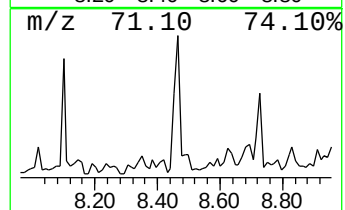
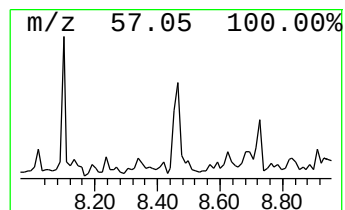
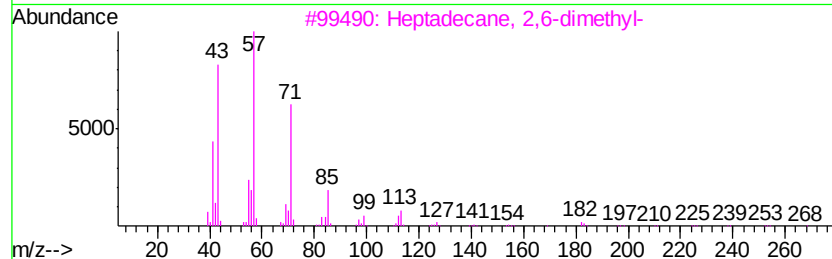
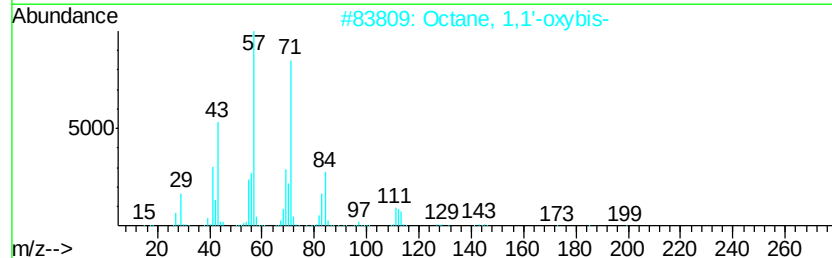
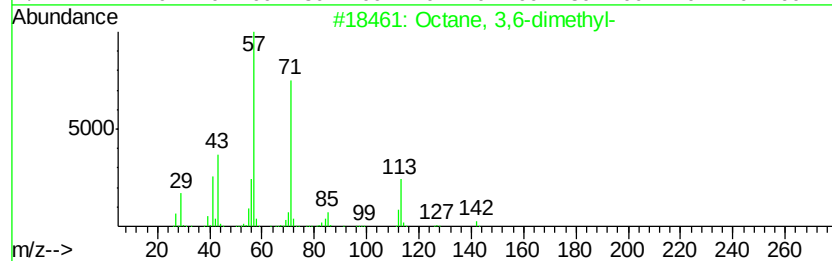
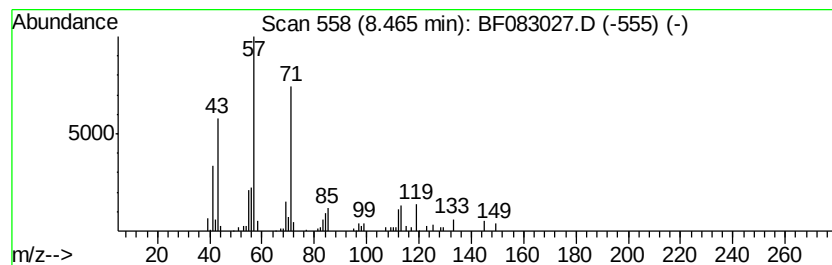
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ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Octane, 3,6-dimethyl- Concentration Rank 13

| R.T.    | EstConc                      | Area          | Relative to ISTD | R.T.      |
|---------|------------------------------|---------------|------------------|-----------|
| 8.46    | 2.41 ng                      | 121476        | Napthalene-d8    | 8.02      |
| Hit# of | 5                            | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Octane, 3,6-dimethyl-        | 142 C10H22    | 015869-94-0      | 64        |
| 2       | Octane, 1,1'-oxybis-         | 242 C16H34O   | 000629-82-3      | 64        |
| 3       | Heptadecane, 2,6-dimethyl-   | 268 C19H40    | 054105-67-8      | 64        |
| 4       | Octane, 2,6-dimethyl-        | 142 C10H22    | 002051-30-1      | 64        |
| 5       | 2-Ethylhexyl mercaptoacetate | 204 C10H20O2S | 007659-86-1      | 59        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

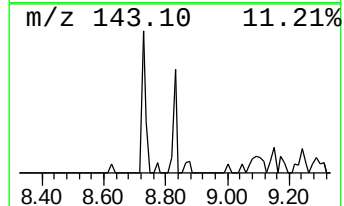
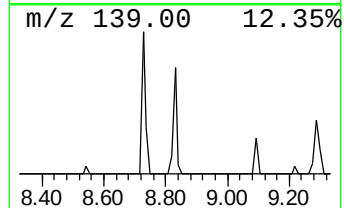
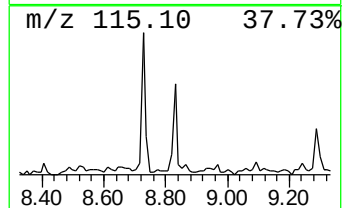
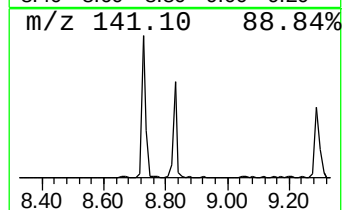
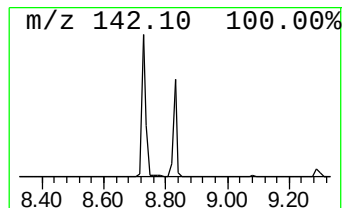
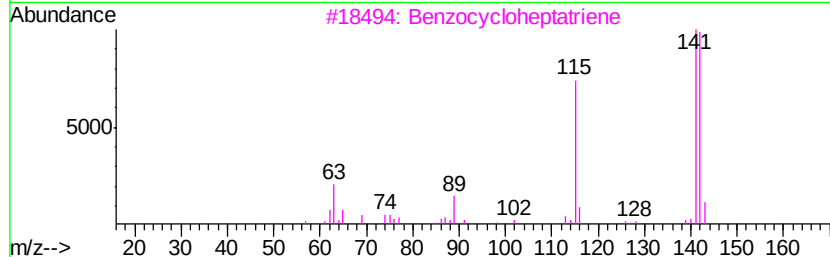
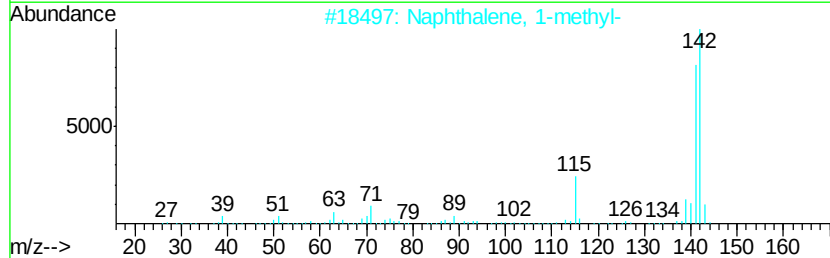
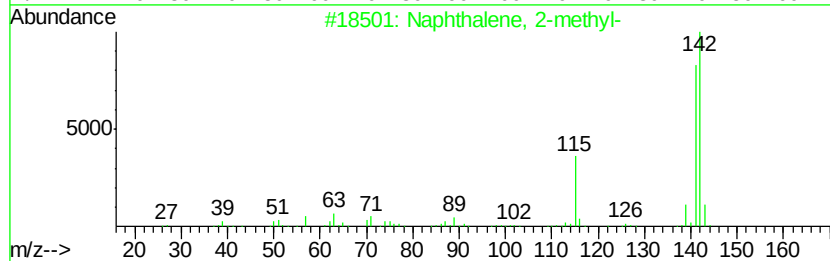
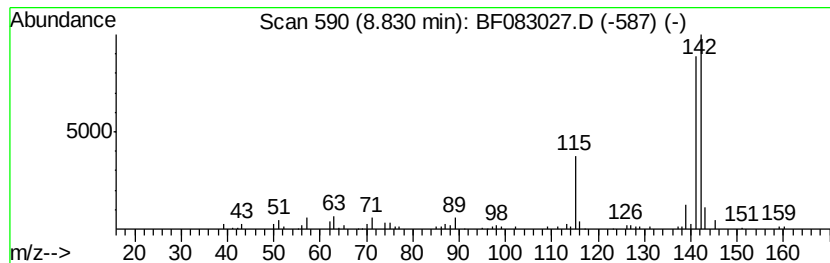
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 2-methyl- Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.83 | 2.99 ng | 150624 | Naphthalene-d8   | 8.02 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 94   |
| 4    |    | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 91   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

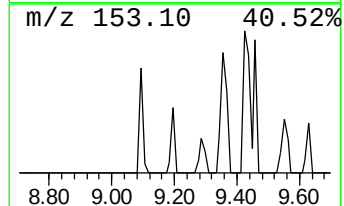
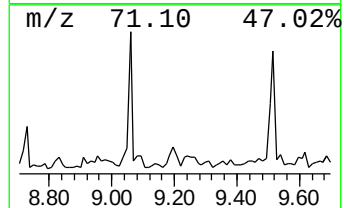
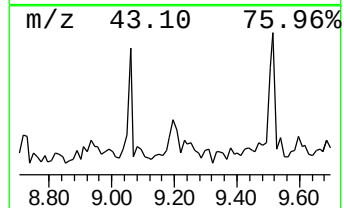
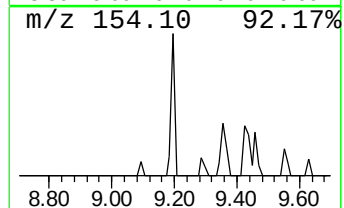
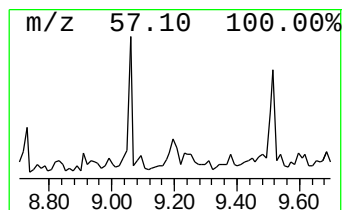
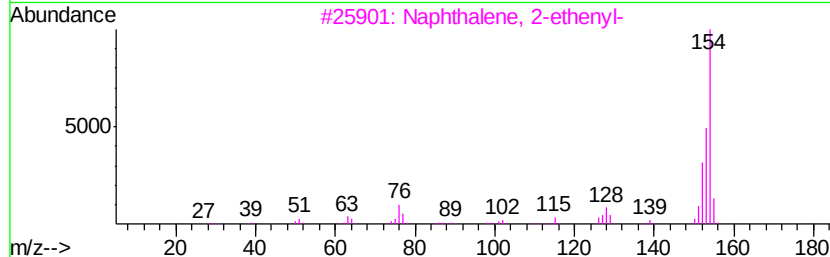
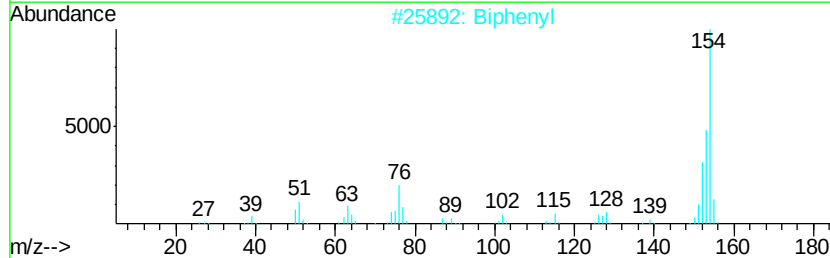
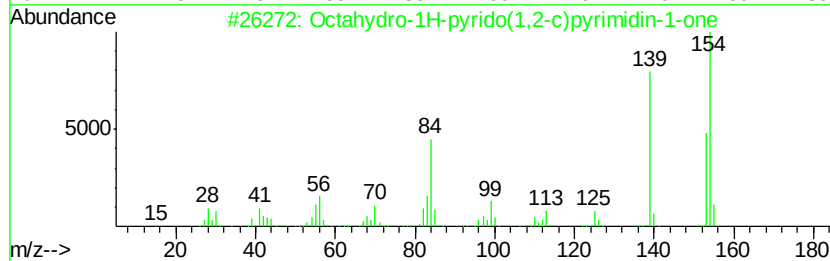
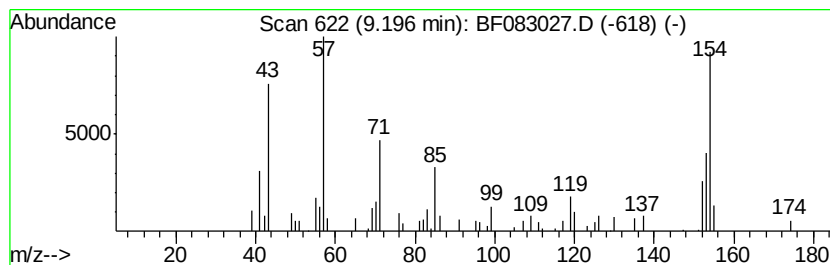
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown9.20 Concentration Rank 17

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.20 | 2.26 ng | 123073 | Acenaphthene-d10 | 9.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Octahydro-1H-pyrido(1,2-c)pyrimi... | 154 | C8H14N2O  | 015932-63-5 | 43   |
| 2    |    | Biphenyl                            | 154 | C12H10    | 000092-52-4 | 38   |
| 3    |    | Naphthalene, 2-ethenyl-             | 154 | C12H10    | 000827-54-3 | 38   |
| 4    |    | 5-Isoquinolinecarbonitrile          | 154 | C10H6N2   | 027655-41-0 | 27   |
| 5    |    | 2,4(1H,3H)-Pyrimidinedione, 1,3,... | 154 | C7H10N2O2 | 013509-52-9 | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

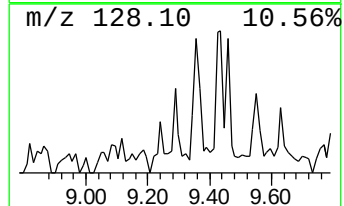
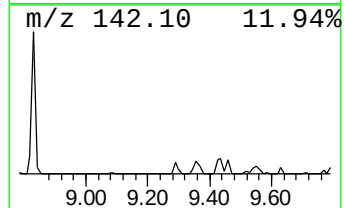
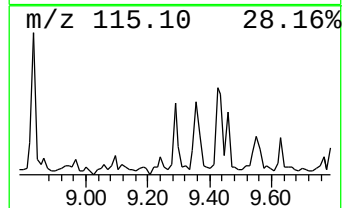
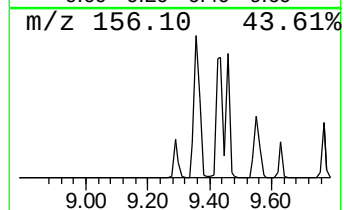
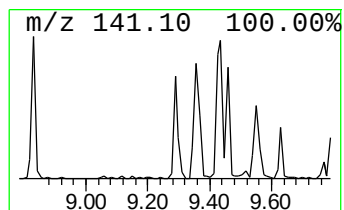
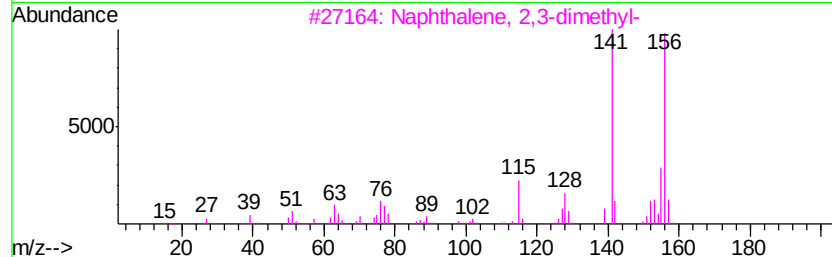
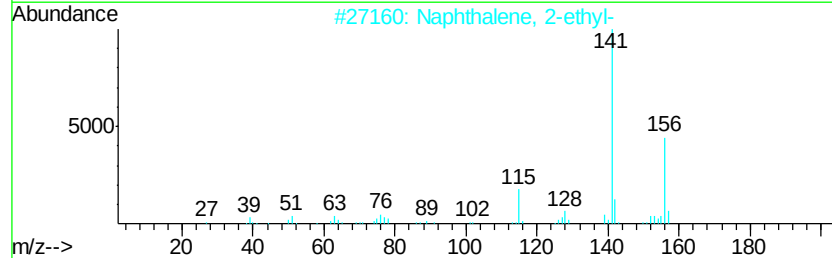
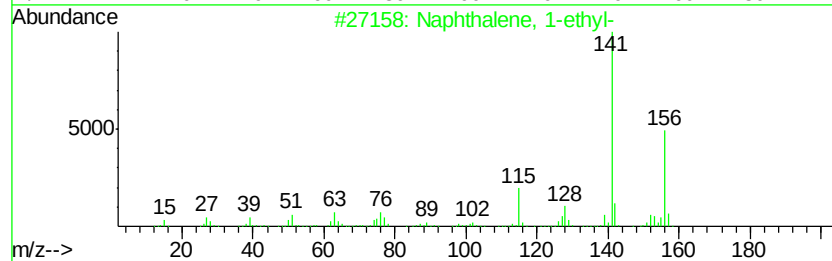
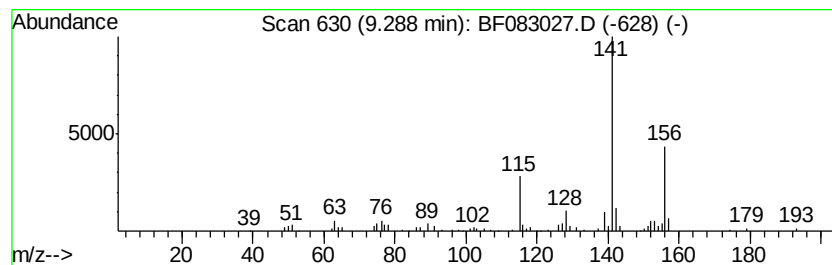
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.29 | 2.27 ng | 123951 | Acenaphthene-d10 | 9.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-ethyl-               | 156 | C12H12  | 001127-76-0 | 95   |
| 2    |    | Naphthalene, 2-ethyl-               | 156 | C12H12  | 000939-27-5 | 94   |
| 3    |    | Naphthalene, 2,3-dimethyl-          | 156 | C12H12  | 000581-40-8 | 83   |
| 4    |    | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 59   |
| 5    |    | 2',5'-Difluoroacetophenone          | 156 | C8H6F2O | 001979-36-8 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

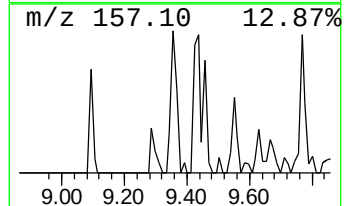
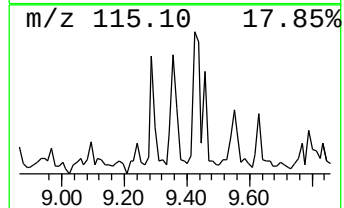
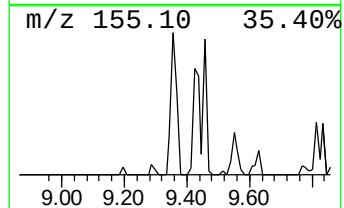
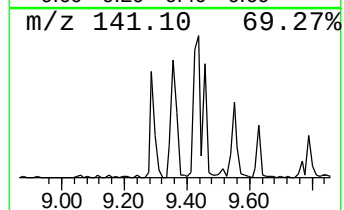
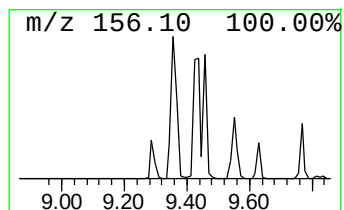
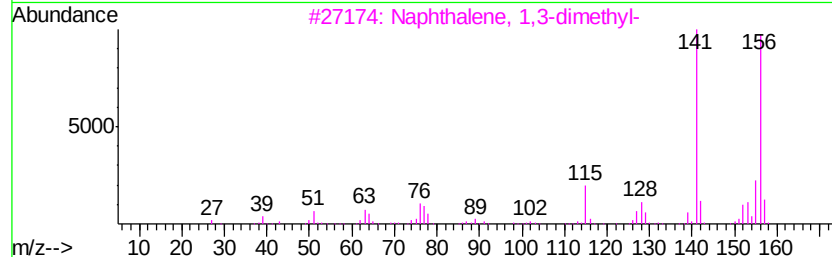
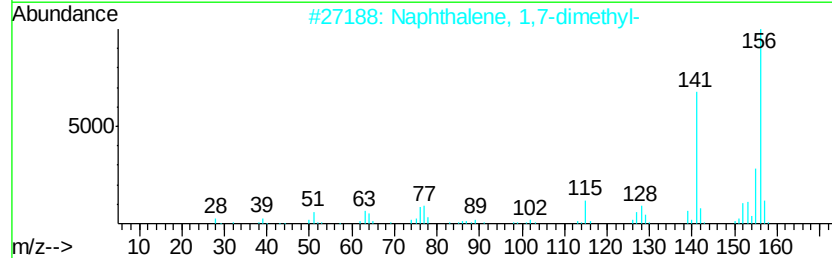
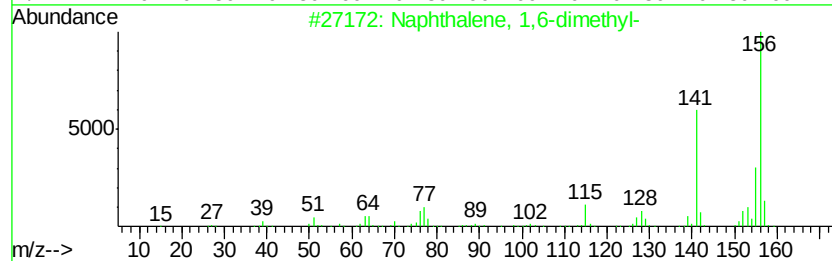
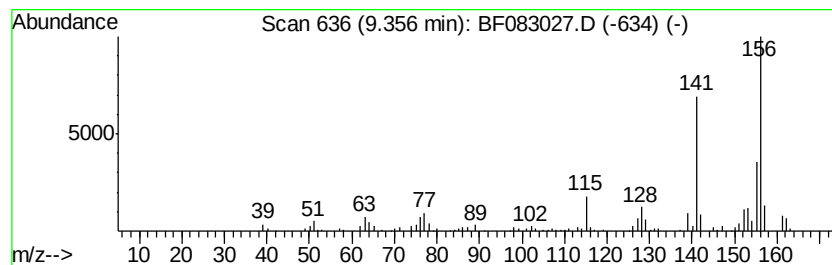
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.36 | 4.42 ng | 240956 | Acenaphthene-d10 | 9.77 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 2    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 3    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 5    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
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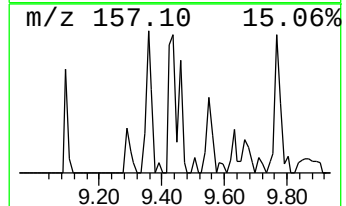
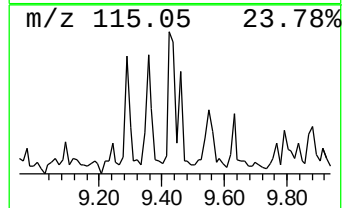
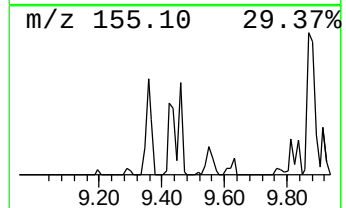
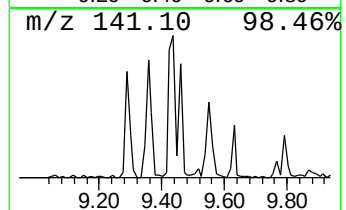
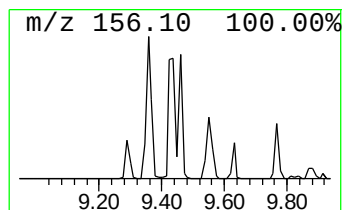
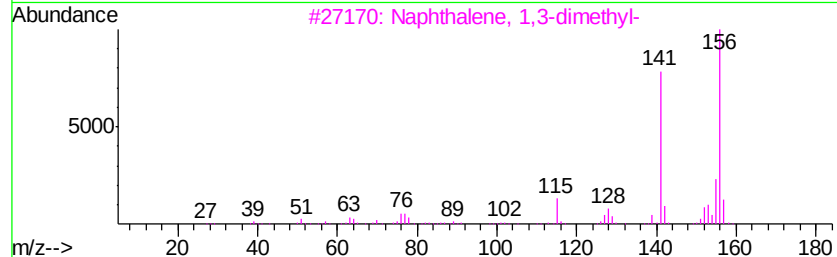
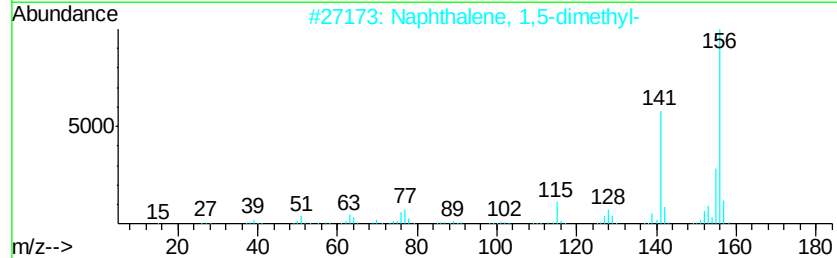
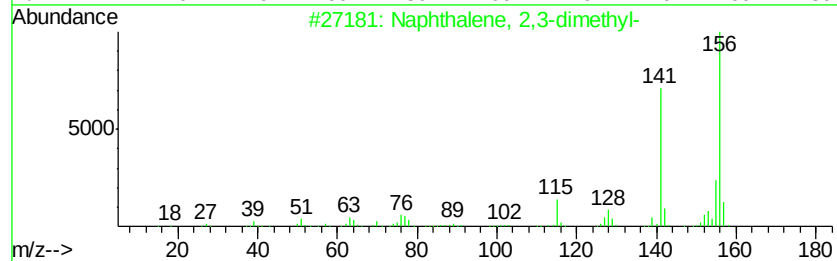
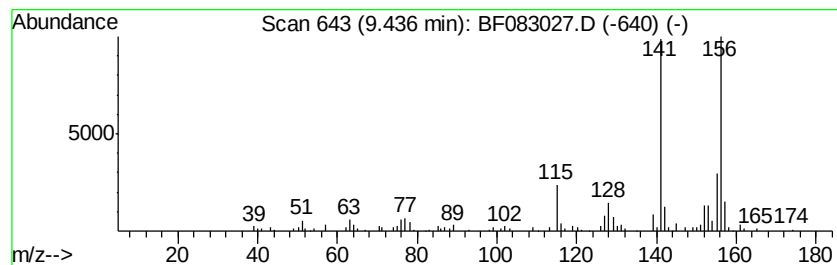
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 7

| R.T.      | EstConc                    | Area   | Relative to ISTD |             | R.T. |
|-----------|----------------------------|--------|------------------|-------------|------|
| 9.44      | 4.93 ng                    | 268795 | Acenaphthene-d10 |             | 9.77 |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 97   |
| 2         | Naphthalene, 1,5-dimethyl- | 156    | C12H12           | 000571-61-9 | 97   |
| 3         | Naphthalene, 1,3-dimethyl- | 156    | C12H12           | 000575-41-7 | 96   |
| 4         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 96   |
| 5         | Naphthalene, 2,6-dimethyl- | 156    | C12H12           | 000581-42-0 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
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Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

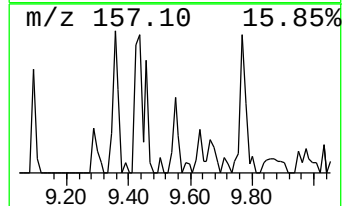
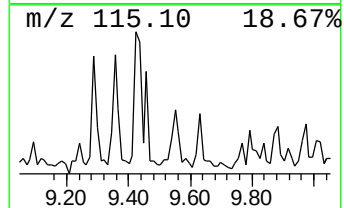
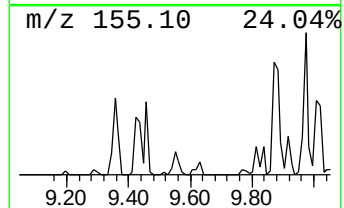
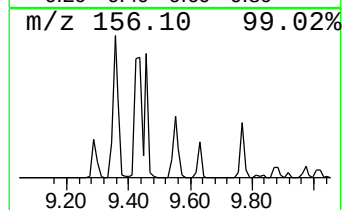
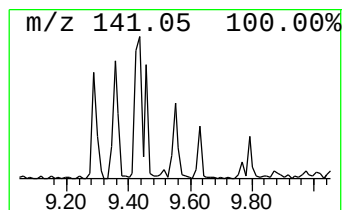
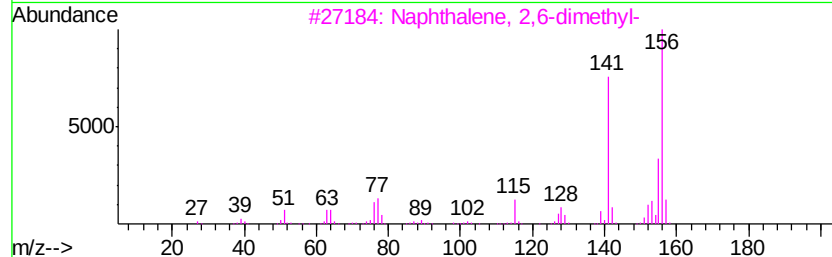
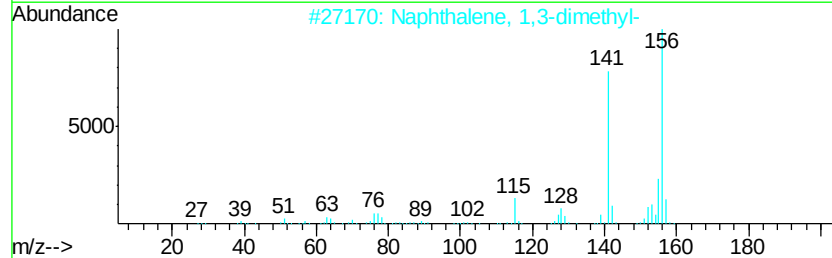
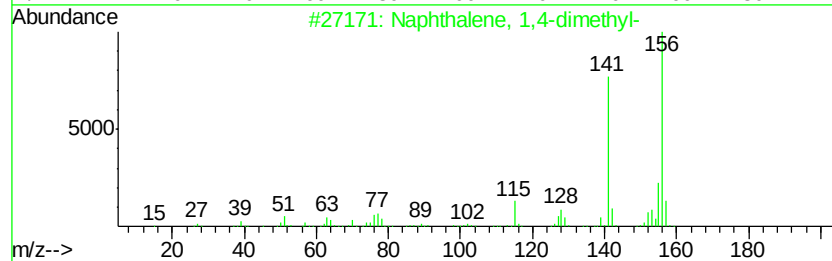
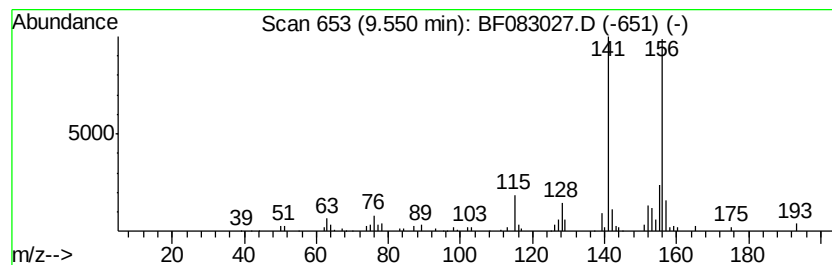
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.55 | 2.35 ng | 128144 | Acenaphthene-d10 | 9.77 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 2    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 3    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |
| 4    |    | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 95   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

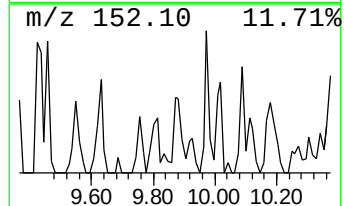
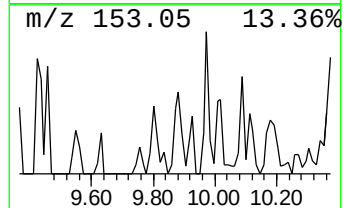
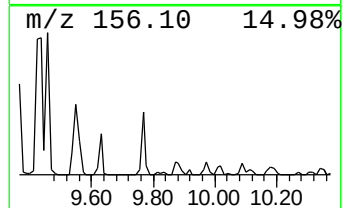
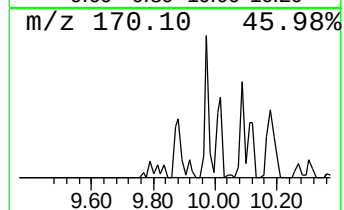
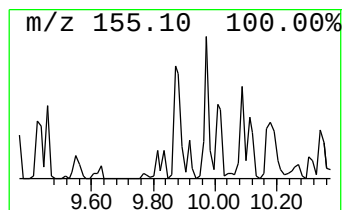
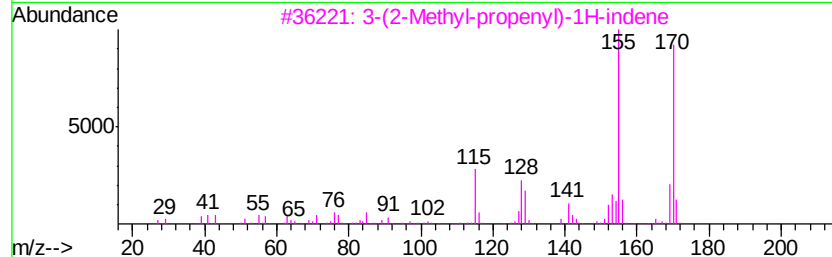
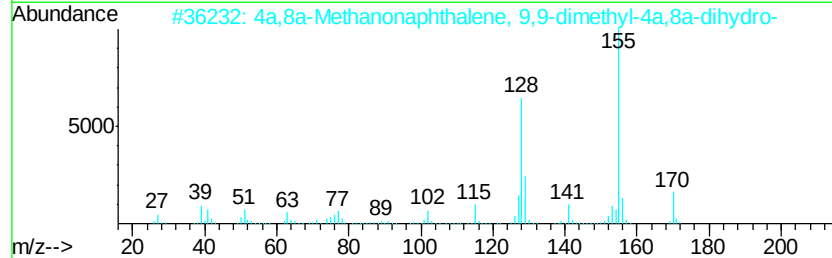
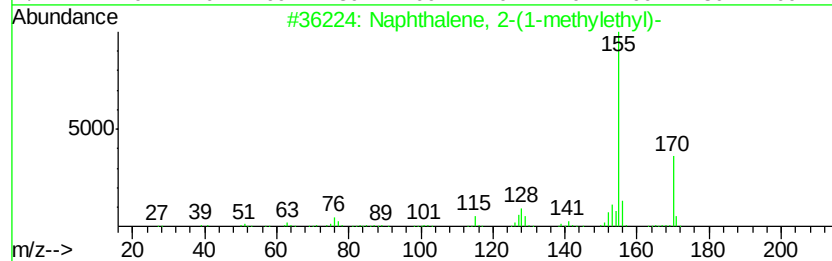
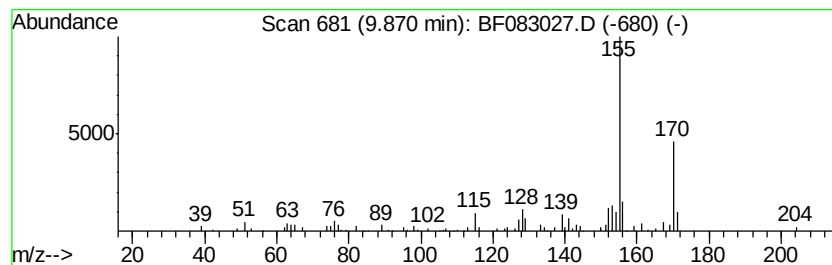
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 20

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.87 | 2.07 ng | 112640 | Acenaphthene-d10 | 9.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2-(1-methylethyl)-     | 170 | C13H14  | 002027-17-0  | 95   |
| 2    |    | 4a,8a-Methanonaphthalene, 9,9-di... | 170 | C13H14  | 038963-97-2  | 87   |
| 3    |    | 3-(2-Methyl-propenyl)-1H-indene     | 170 | C13H14  | 1000187-78-5 | 86   |
| 4    |    | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14  | 002131-41-1  | 74   |
| 5    |    | 1'-Acetonaphthone                   | 170 | C12H10O | 000941-98-0  | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

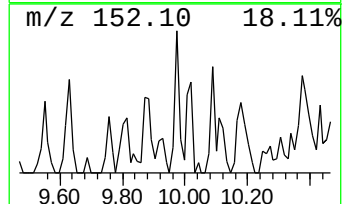
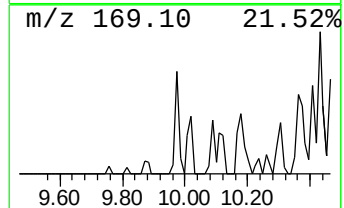
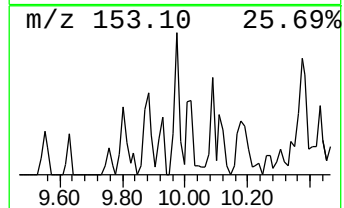
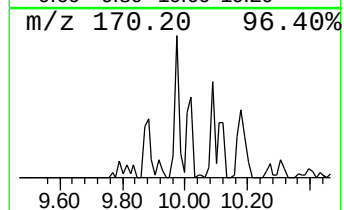
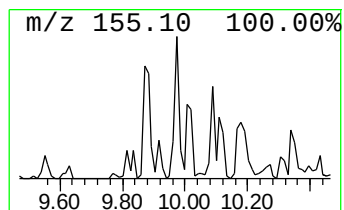
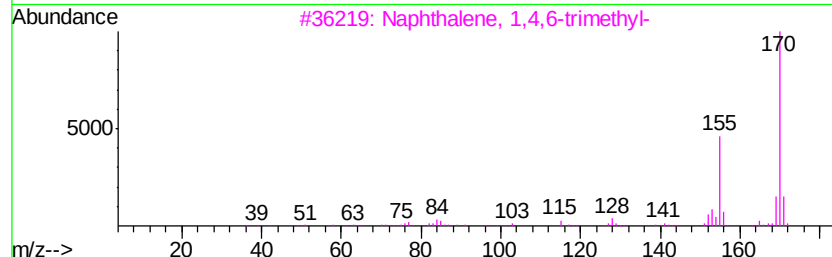
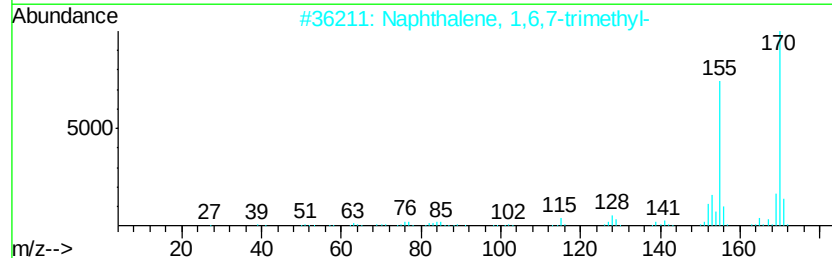
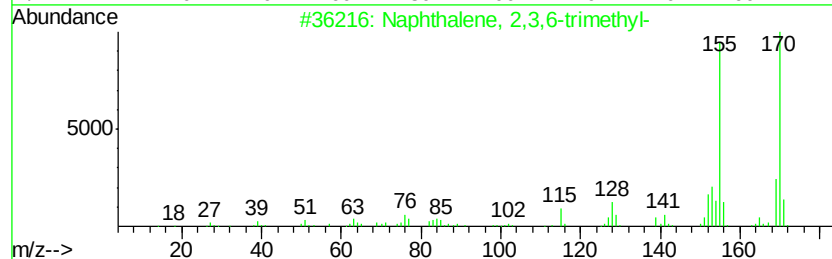
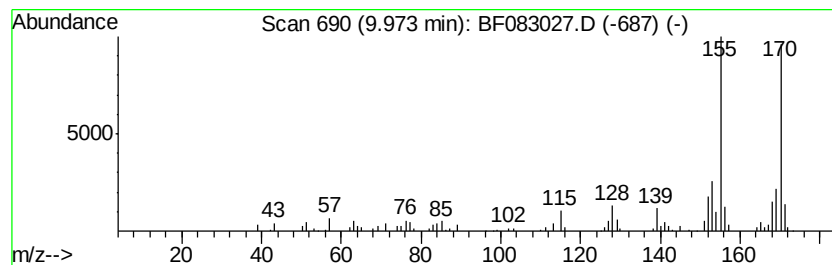
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.97 | 2.81 ng | 153477 | Acenaphthene-d10 | 9.77 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 95   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 93   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 93   |
| 4    |    |   | Azulene, 4,6,8-trimethyl-           | 170 | C13H14  | 000941-81-1  | 87   |
| 5    |    |   | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

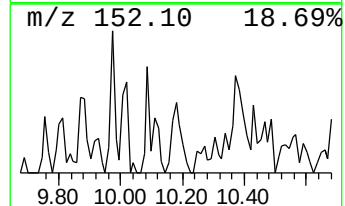
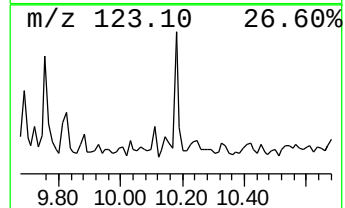
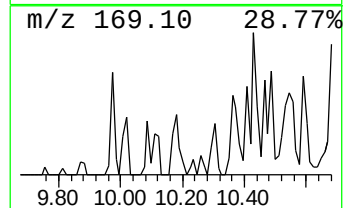
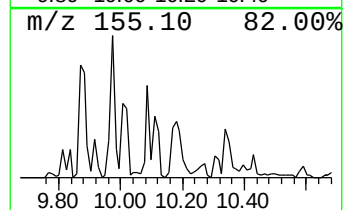
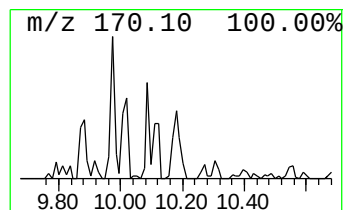
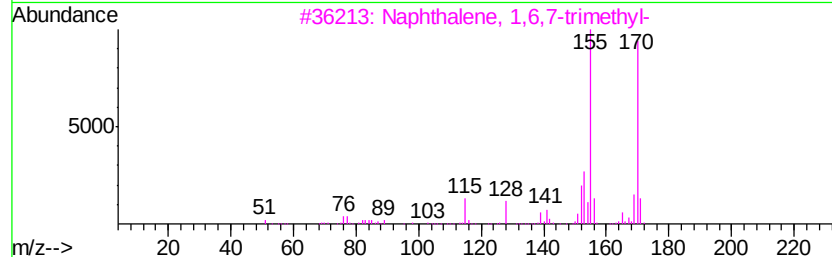
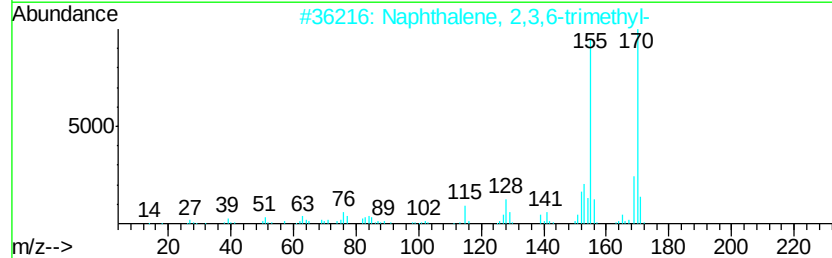
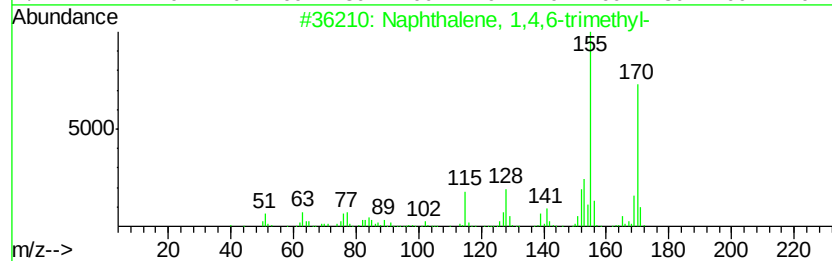
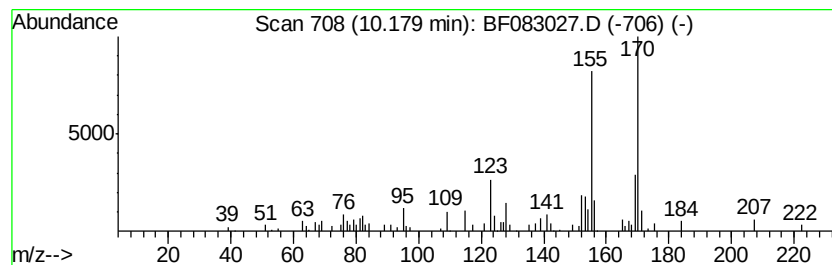
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.18 | 2.19 ng | 119227 | Acenaphthene-d10 | 9.77 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 91   |
| 2    |    |   | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 91   |
| 3    |    |   | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 90   |
| 4    |    |   | Azulene, 4,6,8-trimethyl-       | 170 | C13H14  | 000941-81-1  | 87   |
| 5    |    |   | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 87   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

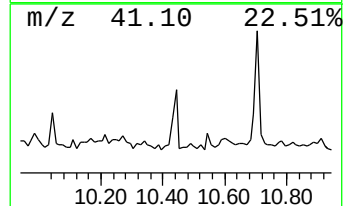
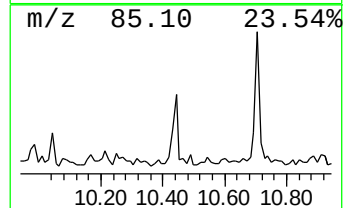
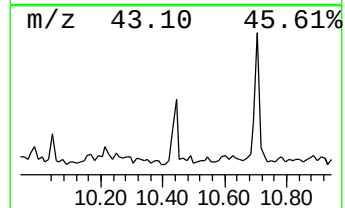
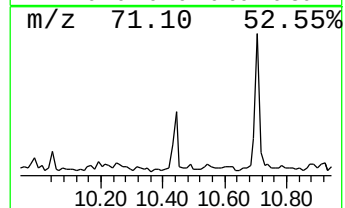
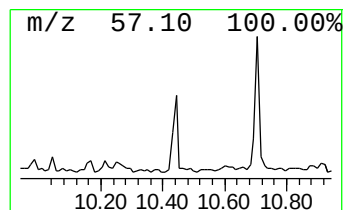
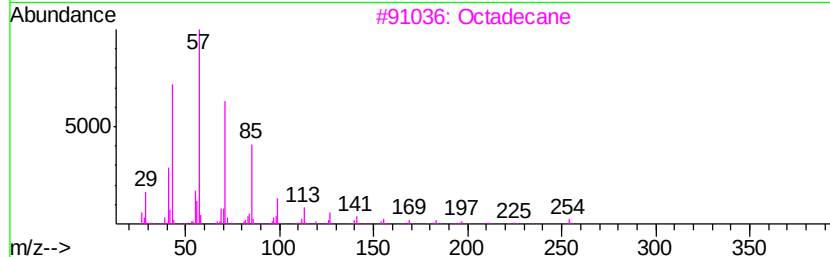
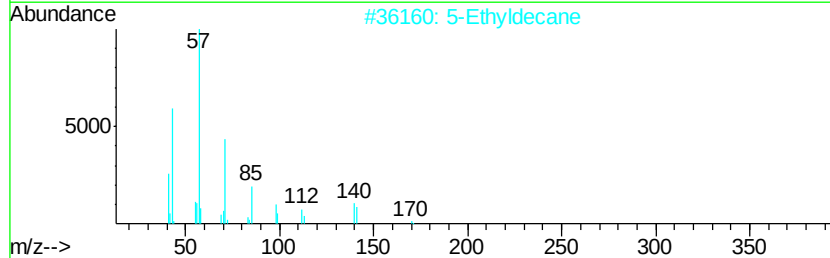
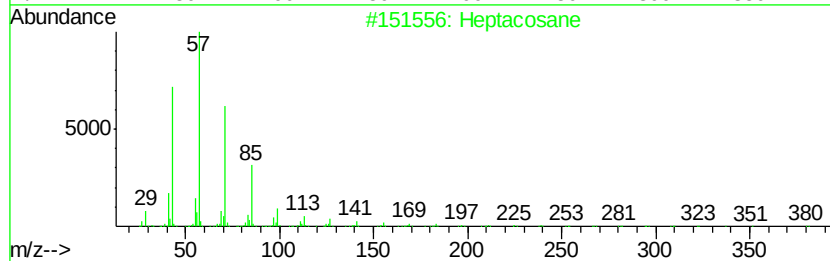
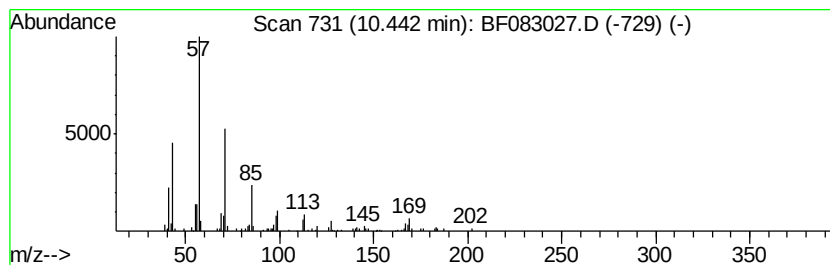
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.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 Heptacosane Concentration Rank 11

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 10.44     | 2.58 ng                 | 140616 | Acenaphthene-d10 | 9.77        |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptacosane             | 380    | C27H56           | 000593-49-7 | 80   |
| 2         | 5-Ethyldecane           | 170    | C12H26           | 017302-36-2 | 72   |
| 3         | Octadecane              | 254    | C18H38           | 000593-45-3 | 64   |
| 4         | Dodecane, 1-iodo-       | 296    | C12H25I          | 004292-19-7 | 64   |
| 5         | Undecane, 2,6-dimethyl- | 184    | C13H28           | 017301-23-4 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

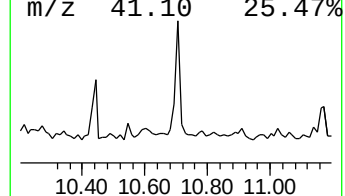
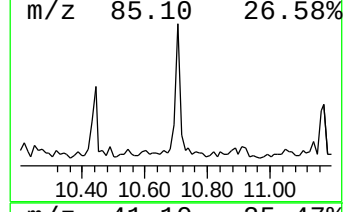
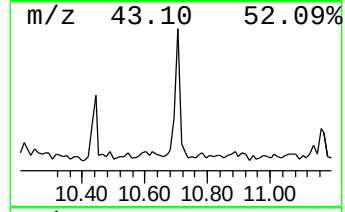
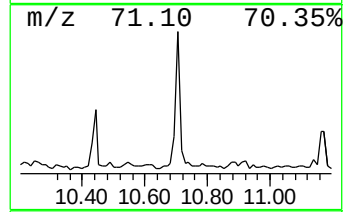
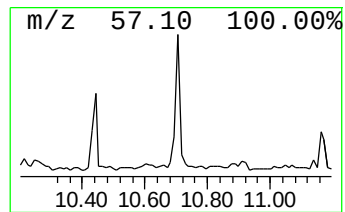
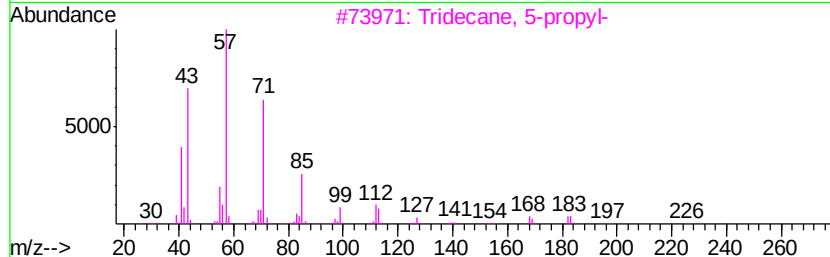
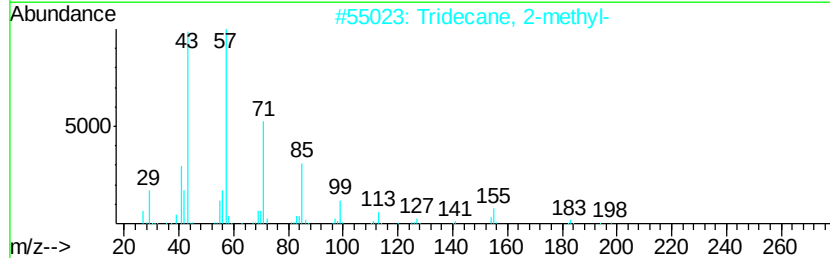
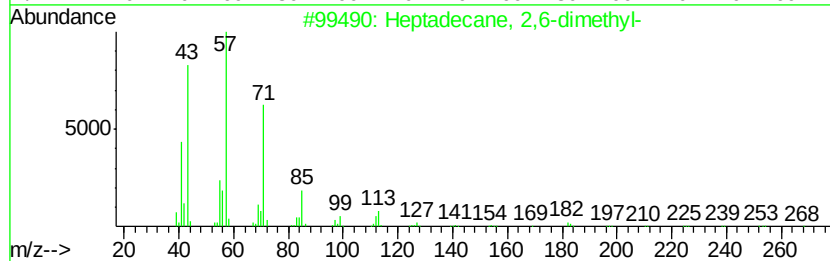
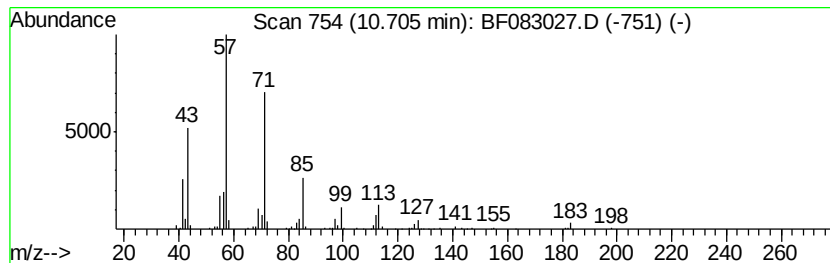
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heptadecane, 2,6-dimethyl- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.70 | 5.66 ng | 230820 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6-dimethyl-  | 268 | C19H40  | 054105-67-8 | 83   |
| 2    |    | Tridecane, 2-methyl-        | 198 | C14H30  | 001560-96-9 | 83   |
| 3    |    | Tridecane, 5-propyl-        | 226 | C16H34  | 055045-11-9 | 80   |
| 4    |    | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 80   |
| 5    |    | Octadecane, 2,6-dimethyl-   | 282 | C20H42  | 075163-97-2 | 78   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

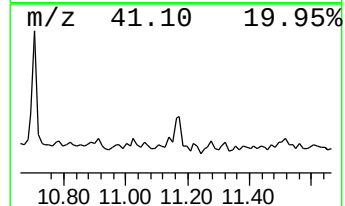
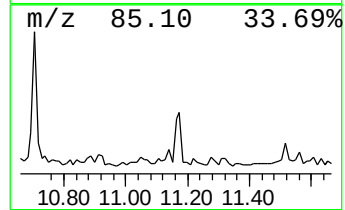
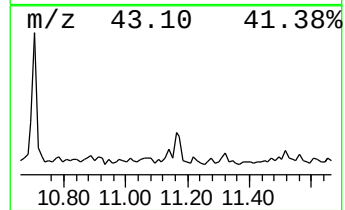
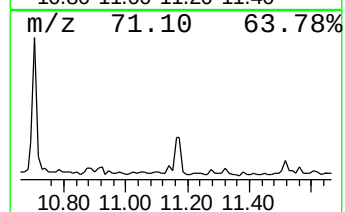
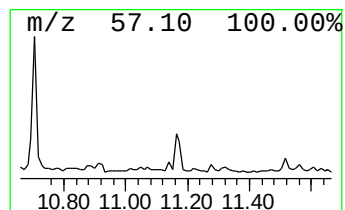
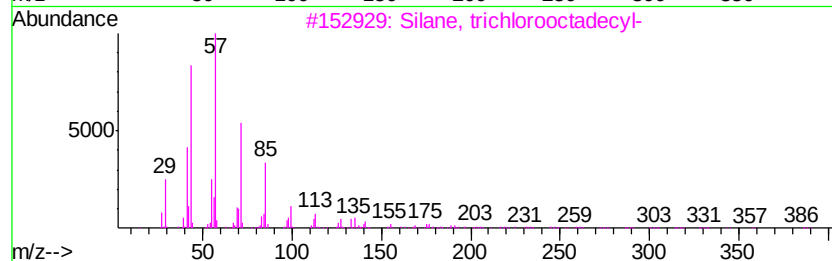
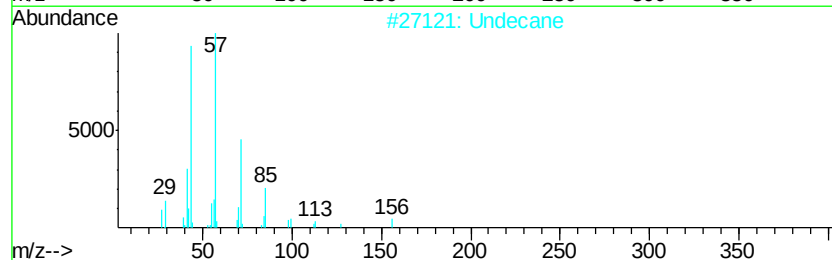
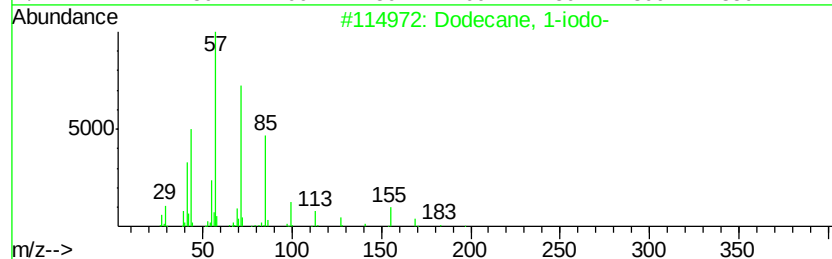
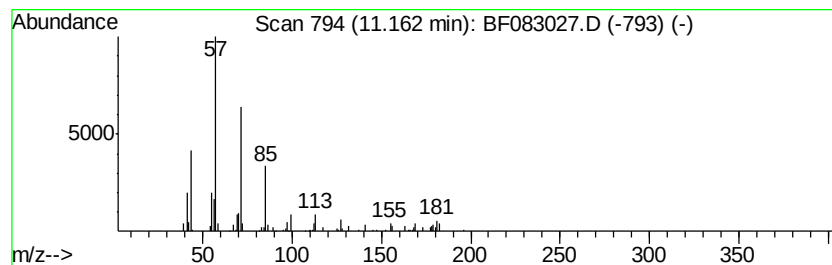
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Dodecane, 1-iodo- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.16 | 2.51 ng | 102275 | Phenanthrene-d10 | 11.24 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-----------------------------|-----|-------------|-------------|------|
| 1    |    |   | Dodecane, 1-iodo-           | 296 | C12H25I     | 004292-19-7 | 72   |
| 2    |    |   | Undecane                    | 156 | C11H24      | 001120-21-4 | 64   |
| 3    |    |   | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 64   |
| 4    |    |   | Heptacosane                 | 380 | C27H56      | 000593-49-7 | 64   |
| 5    |    |   | Tetracosane                 | 338 | C24H50      | 000646-31-1 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

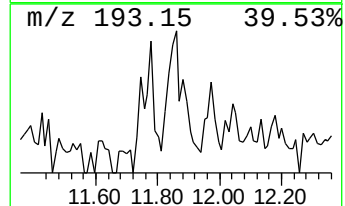
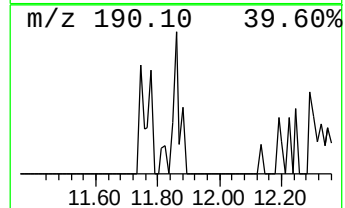
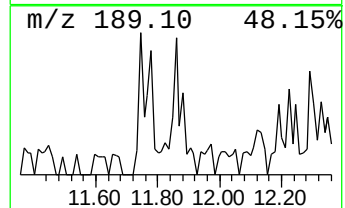
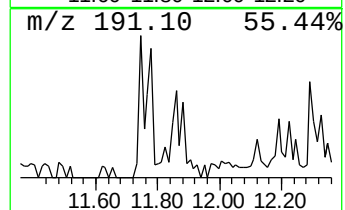
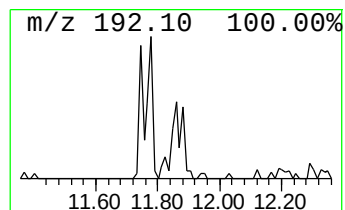
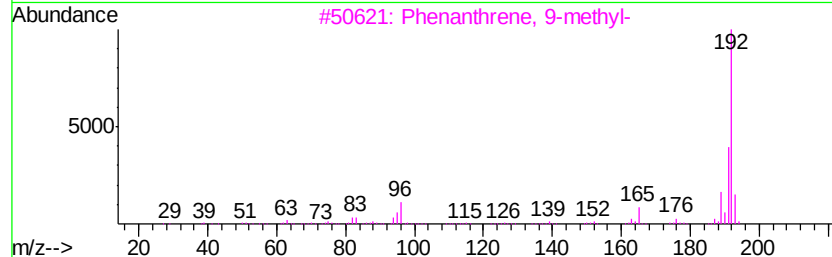
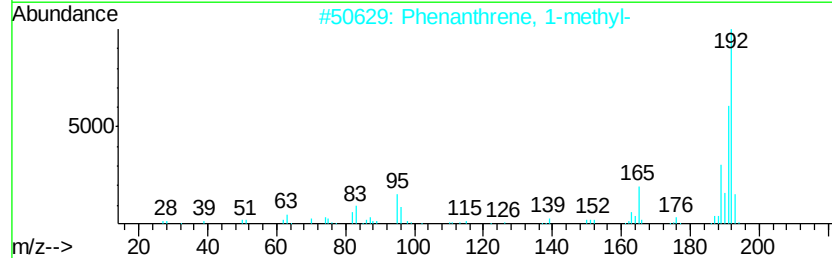
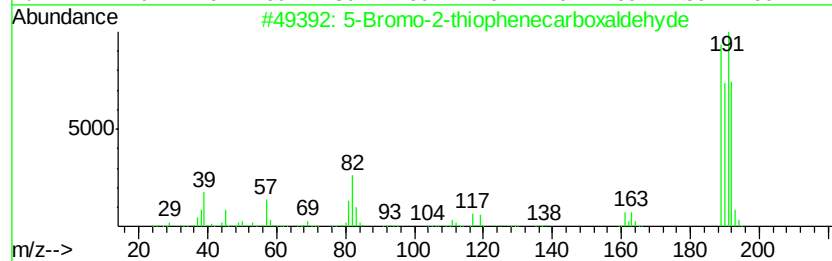
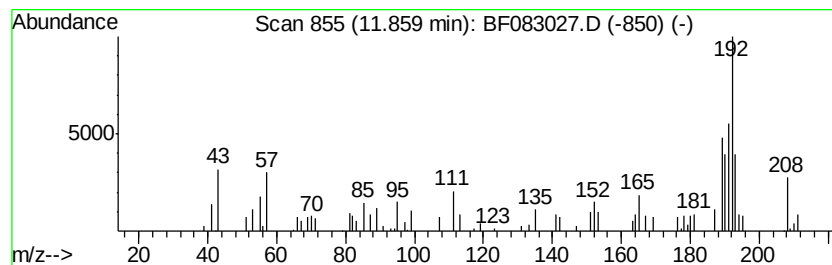
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown11.86 Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.86 | 2.20 ng | 89717 | Phenanthrene-d10 | 11.24 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 5-Bromo-2-thiophenecarboxaldehyde | 190 | C5H3BrOS | 004701-17-1 | 46   |
| 2    |    |   | Phenanthrene, 1-methyl-           | 192 | C15H12   | 000832-69-9 | 38   |
| 3    |    |   | Phenanthrene, 9-methyl-           | 192 | C15H12   | 000883-20-5 | 38   |
| 4    |    |   | Phenanthrene, 2-methyl-           | 192 | C15H12   | 002531-84-2 | 38   |
| 5    |    |   | Anthracene, 2-methyl-             | 192 | C15H12   | 000613-12-7 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

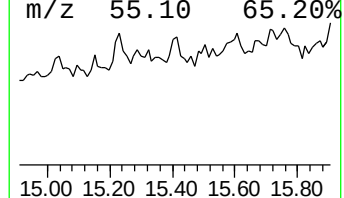
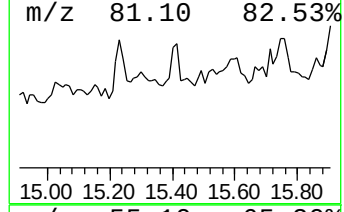
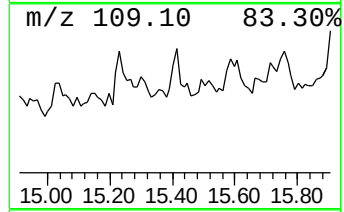
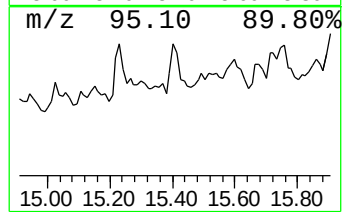
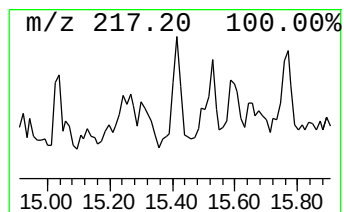
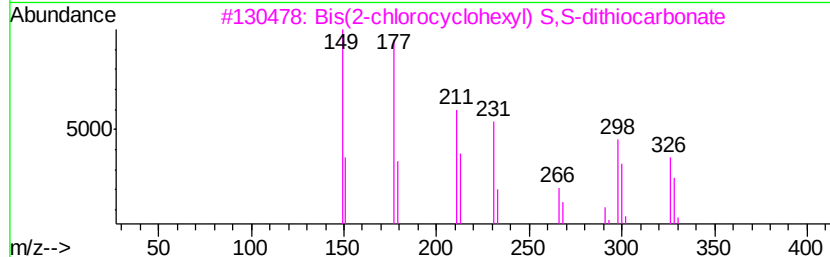
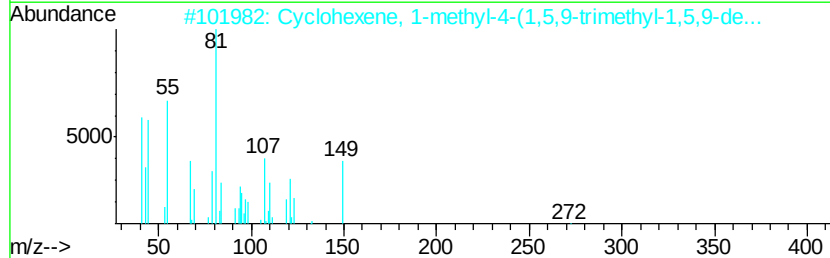
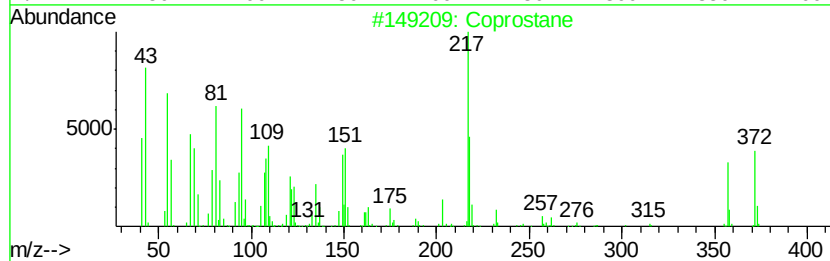
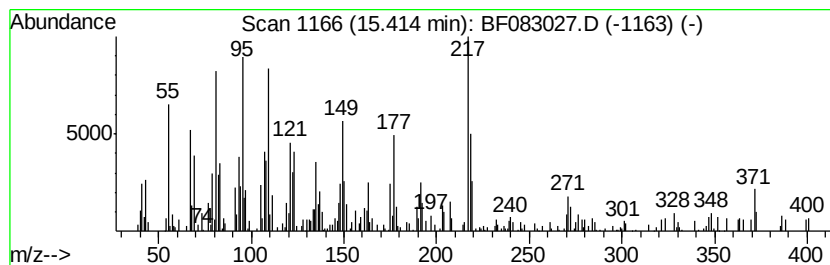
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown15.41 Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.41 | 6.20 ng | 166143 | Perylene-d12     | 15.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Coprostone                          | 372 | C27H48       | 000481-20-9 | 25   |
| 2    |    | Cyclohexene, 1-methyl-4-(1,5,9-t... | 272 | C20H32       | 056248-11-4 | 22   |
| 3    |    | Bis(2-chlorocyclohexyl) S,S-dith... | 326 | C13H20Cl2OS2 | 105214-29-7 | 22   |
| 4    |    | Naphthalene, decahydro-1,6-dimet... | 208 | C15H28       | 034315-85-0 | 20   |
| 5    |    | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18       | 000473-19-8 | 18   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
Data File : BF083027.D  
Acq On : 19 Nov 2015 00:22  
Operator : UM/IZ  
Sample : G4426-03 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

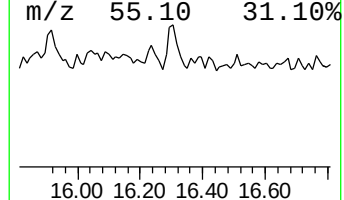
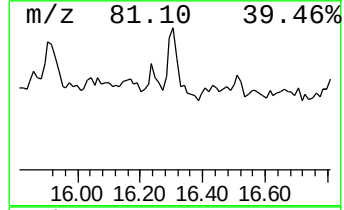
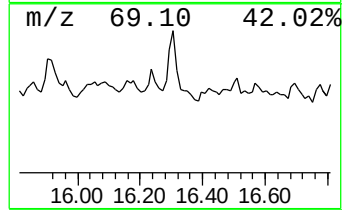
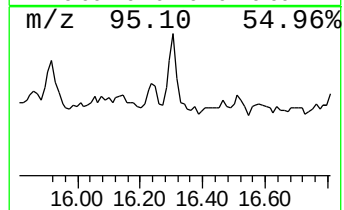
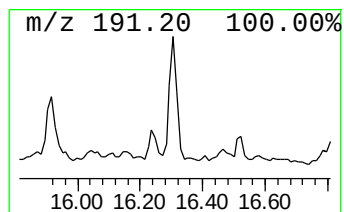
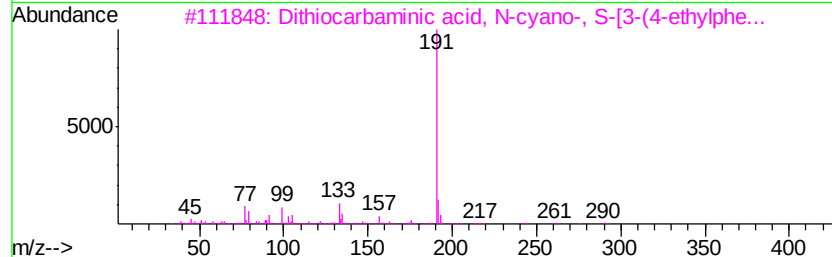
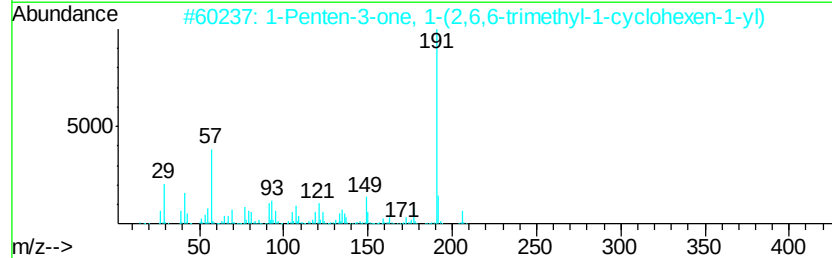
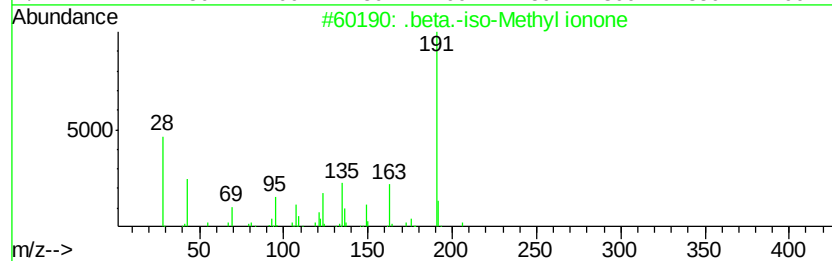
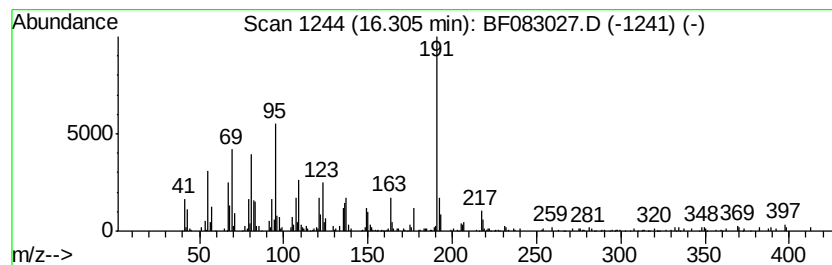
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.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 .beta.-iso-Methyl ionone Concentration Rank 2

| R.T.    | EstConc  | Area                                 | Relative to ISTD | R.T.        |              |      |
|---------|----------|--------------------------------------|------------------|-------------|--------------|------|
| 16.31   | 12.51 ng | 335479                               | Perylene-d12     | 15.27       |              |      |
| Hit# of | 5        | Tentative ID                         | MW               | MolForm     | CAS#         | Qual |
| 1       |          | .beta.-iso-Methyl ionone             | 206              | C14H22O     | 1000285-40-2 | 58   |
| 2       |          | 1-Penten-3-one, 1-(2,6,6-trimeth...  | 206              | C14H22O     | 000127-43-5  | 55   |
| 3       |          | Dithiocarbaminic acid, N-cyano-, ... | 290              | C14H14N2OS2 | 274691-67-7  | 38   |
| 4       |          | 5-(p-Aminophenyl)-2-thiazolamine     | 191              | C9H9N3S     | 090349-87-4  | 38   |
| 5       |          | 5-Hexen-1-one, 1-(1H-imidazol-4-...  | 192              | C11H16N2O   | 069393-41-5  | 38   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111815\  
 Data File : BF083027.D  
 Acq On : 19 Nov 2015 00:22  
 Operator : UM/IZ  
 Sample : G4426-03 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.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 |
| 2-Pentanone, 4-hy... | 4.86  | 5.6 ng  |       | 198342   | 1                     | 6.73  | 705430  | 20.0 |
| unknown5.97          | 5.97  | 2.4 ng  |       | 84045    | 1                     | 6.73  | 705430  | 20.0 |
| Octane, 3,6-dimet... | 8.46  | 2.4 ng  |       | 121476   | 2                     | 8.02  | 1007050 | 20.0 |
| Naphthalene, 2-me... | 8.83  | 3.0 ng  |       | 150624   | 2                     | 8.02  | 1007050 | 20.0 |
| unknown9.20          | 9.20  | 2.3 ng  |       | 123073   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 1-et... | 9.29  | 2.3 ng  |       | 123951   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 1,6-... | 9.36  | 4.4 ng  |       | 240956   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 2,3-... | 9.44  | 4.9 ng  |       | 268795   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 1,4-... | 9.55  | 2.4 ng  |       | 128144   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 2-(1... | 9.87  | 2.1 ng  |       | 112640   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 2,3,... | 9.97  | 2.8 ng  |       | 153477   | 3                     | 9.77  | 1090700 | 20.0 |
| Naphthalene, 1,4,... | 10.18 | 2.2 ng  |       | 119227   | 3                     | 9.77  | 1090700 | 20.0 |
| Heptacosane          | 10.44 | 2.6 ng  |       | 140616   | 3                     | 9.77  | 1090700 | 20.0 |
| Heptadecane, 2,6-... | 10.70 | 5.7 ng  |       | 230820   | 4                     | 11.24 | 815443  | 20.0 |
| Dodecane, 1-iodo-    | 11.16 | 2.5 ng  |       | 102275   | 4                     | 11.24 | 815443  | 20.0 |
| unknown11.86         | 11.86 | 2.2 ng  |       | 89717    | 4                     | 11.24 | 815443  | 20.0 |
| unknown15.41         | 15.41 | 6.2 ng  |       | 166143   | 6                     | 15.27 | 536293  | 20.0 |
| .beta.-iso-Methyl... | 16.31 | 12.5 ng |       | 335479   | 6                     | 15.27 | 536293  | 20.0 |