

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
 Data File : BF082004.D  
 Acq On : 3 Oct 2015 5:03  
 Operator : UM/IZ  
 Sample : G3897-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2D(3.5-4)

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-BF092815.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         | 4.994       | 244           | 250         | 253          | rBV3     | 33078          | 82336         | 2.33%           | 0.102%        |
| 2         | 5.074       | 253           | 257         | 263          | rVV      | 820706         | 1485635       | 42.00%          | 1.839%        |
| 3         | 5.486       | 289           | 293         | 295          | rBV      | 1874367        | 2579177       | 72.91%          | 3.193%        |
| 4         | 5.726       | 311           | 314         | 318          | rVB      | 43069          | 77856         | 2.20%           | 0.096%        |
| 5         | 5.886       | 325           | 328         | 330          | rBV3     | 78105          | 137726        | 3.89%           | 0.171%        |
| 6         | 5.943       | 330           | 333         | 337          | rBV2     | 55796          | 103252        | 2.92%           | 0.128%        |
| 7         | 6.023       | 337           | 340         | 343          | rVB2     | 114545         | 171395        | 4.85%           | 0.212%        |
| 8         | 6.126       | 346           | 349         | 352          | rVV2     | 300198         | 436343        | 12.33%          | 0.540%        |
| 9         | 6.172       | 352           | 353         | 355          | rVB      | 119935         | 133919        | 3.79%           | 0.166%        |
| 10        | 6.309       | 363           | 365         | 367          | rBV      | 167347         | 256530        | 7.25%           | 0.318%        |
| 11        | 6.354       | 367           | 369         | 370          | rBV2     | 85394          | 121296        | 3.43%           | 0.150%        |
| 12        | 6.377       | 370           | 371         | 372          | rVB      | 274178         | 188086        | 5.32%           | 0.233%        |
| 13        | 6.412       | 372           | 374         | 377          | rBV2     | 229486         | 356067        | 10.07%          | 0.441%        |
| 14        | 6.469       | 377           | 379         | 380          | rBV      | 146645         | 115122        | 3.25%           | 0.143%        |
| 15        | 6.514       | 380           | 383         | 385          | rBV      | 2105439        | 2387896       | 67.50%          | 2.956%        |
| 16        | 6.617       | 390           | 392         | 393          | rBV      | 219771         | 314322        | 8.89%           | 0.389%        |
| 17        | 6.652       | 393           | 395         | 399          | rVB      | 2532921        | 2719333       | 76.87%          | 3.367%        |
| 18        | 6.720       | 399           | 401         | 404          | rVB2     | 104332         | 216058        | 6.11%           | 0.267%        |
| 19        | 6.846       | 406           | 412         | 413          | rBV4     | 159400         | 383881        | 10.85%          | 0.475%        |
| 20        | 6.892       | 413           | 416         | 418          | rVB      | 916526         | 1101640       | 31.14%          | 1.364%        |
| 21        | 6.937       | 418           | 420         | 422          | rVB      | 347630         | 385988        | 10.91%          | 0.478%        |
| 22        | 6.995       | 422           | 425         | 427          | rBV3     | 195696         | 384583        | 10.87%          | 0.476%        |
| 23        | 7.040       | 427           | 429         | 434          | rVB2     | 2002298        | 2715697       | 76.77%          | 3.362%        |
| 24        | 7.109       | 434           | 435         | 436          | rBV      | 149224         | 153374        | 4.34%           | 0.190%        |
| 25        | 7.155       | 436           | 439         | 441          | rVB2     | 415269         | 629147        | 17.79%          | 0.779%        |
| 26        | 7.189       | 441           | 442         | 443          | rBV      | 356370         | 275140        | 7.78%           | 0.341%        |
| 27        | 7.223       | 443           | 445         | 447          | rVB3     | 281178         | 332829        | 9.41%           | 0.412%        |
| 28        | 7.280       | 447           | 450         | 451          | rBV2     | 488957         | 592539        | 16.75%          | 0.734%        |
| 29        | 7.315       | 451           | 453         | 456          | rVB2     | 114901         | 202246        | 5.72%           | 0.250%        |
| 30        | 7.360       | 456           | 457         | 458          | rBV      | 79226          | 89403         | 2.53%           | 0.111%        |
| 31        | 7.429       | 459           | 463         | 464          | rBV2     | 504603         | 1102107       | 31.16%          | 1.364%        |
| 32        | 7.452       | 464           | 465         | 469          | rVB2     | 1241613        | 1633008       | 46.16%          | 2.022%        |
| 33        | 7.532       | 469           | 472         | 474          | rVB2     | 424900         | 612627        | 17.32%          | 0.758%        |
| 34        | 7.589       | 474           | 477         | 479          | rBV3     | 304594         | 688248        | 19.46%          | 0.852%        |

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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-BF092815.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |     |     |     |      |         |         |         |        |
|----|-------|-----|-----|-----|------|---------|---------|---------|--------|
| 35 | 7.669 | 479 | 484 | 485 | rBV2 | 539386  | 1132933 | 32.03%  | 1.403% |
| 36 | 7.692 | 485 | 486 | 488 | rVB  | 583842  | 404844  | 11.44%  | 0.501% |
| 37 | 7.806 | 491 | 496 | 498 | rBV3 | 552065  | 1640244 | 46.37%  | 2.031% |
| 38 | 7.852 | 498 | 500 | 502 | rBV  | 448191  | 505221  | 14.28%  | 0.625% |
| 39 | 7.886 | 502 | 503 | 504 | rVB  | 368382  | 252526  | 7.14%   | 0.313% |
| 40 | 7.909 | 504 | 505 | 508 | rBV2 | 607833  | 888860  | 25.13%  | 1.100% |
| 41 | 7.966 | 508 | 510 | 511 | rVB  | 412419  | 337463  | 9.54%   | 0.418% |
| 42 | 7.989 | 511 | 512 | 515 | rVB3 | 306400  | 313403  | 8.86%   | 0.388% |
| 43 | 8.046 | 515 | 517 | 518 | rBV  | 311101  | 386137  | 10.92%  | 0.478% |
| 44 | 8.069 | 518 | 519 | 521 | rBV2 | 80380   | 98064   | 2.77%   | 0.121% |
| 45 | 8.126 | 521 | 524 | 525 | rBV3 | 358779  | 689066  | 19.48%  | 0.853% |
| 46 | 8.172 | 525 | 528 | 531 | rVV3 | 767645  | 1446532 | 40.89%  | 1.791% |
| 47 | 8.229 | 531 | 533 | 535 | rVB  | 1404710 | 1570786 | 44.40%  | 1.945% |
| 48 | 8.320 | 540 | 541 | 543 | rVV  | 310942  | 578662  | 16.36%  | 0.716% |
| 49 | 8.377 | 543 | 546 | 547 | rVV2 | 515868  | 912878  | 25.81%  | 1.130% |
| 50 | 8.469 | 549 | 554 | 557 | rVV4 | 1131807 | 2833239 | 80.09%  | 3.508% |
| 51 | 8.515 | 557 | 558 | 560 | rVV2 | 824530  | 976372  | 27.60%  | 1.209% |
| 52 | 8.549 | 560 | 561 | 563 | rVV2 | 711731  | 891567  | 25.20%  | 1.104% |
| 53 | 8.595 | 563 | 565 | 567 | rVV  | 2212406 | 2800395 | 79.16%  | 3.467% |
| 54 | 8.675 | 570 | 572 | 574 | rVV2 | 487285  | 805171  | 22.76%  | 0.997% |
| 55 | 8.709 | 574 | 575 | 576 | rVV  | 465510  | 528771  | 14.95%  | 0.655% |
| 56 | 8.766 | 579 | 580 | 582 | rVV2 | 503042  | 953850  | 26.96%  | 1.181% |
| 57 | 8.823 | 584 | 585 | 587 | rVV2 | 662053  | 1140363 | 32.24%  | 1.412% |
| 58 | 8.858 | 587 | 588 | 590 | rVV2 | 798092  | 1169178 | 33.05%  | 1.447% |
| 59 | 8.892 | 590 | 591 | 592 | rVV  | 751361  | 677064  | 19.14%  | 0.838% |
| 60 | 8.926 | 592 | 594 | 595 | rVV2 | 296640  | 518840  | 14.67%  | 0.642% |
| 61 | 8.949 | 595 | 596 | 598 | rVV2 | 412914  | 787395  | 22.26%  | 0.975% |
| 62 | 8.983 | 598 | 599 | 601 | rVV  | 839213  | 1082695 | 30.61%  | 1.340% |
| 63 | 9.052 | 603 | 605 | 606 | rVV  | 701929  | 1027308 | 29.04%  | 1.272% |
| 64 | 9.086 | 606 | 608 | 610 | rVV3 | 786922  | 1615558 | 45.67%  | 2.000% |
| 65 | 9.120 | 610 | 611 | 614 | rVV3 | 298915  | 690148  | 19.51%  | 0.854% |
| 66 | 9.200 | 614 | 618 | 620 | rVV  | 1654679 | 2511488 | 71.00%  | 3.109% |
| 67 | 9.258 | 620 | 623 | 625 | rVV  | 3081367 | 3537481 | 100.00% | 4.379% |
| 68 | 9.292 | 625 | 626 | 627 | rVV  | 280017  | 300148  | 8.48%   | 0.372% |
| 69 | 9.338 | 627 | 630 | 632 | rVV2 | 619632  | 1362918 | 38.53%  | 1.687% |
| 70 | 9.372 | 632 | 633 | 635 | rVV2 | 451350  | 787152  | 22.25%  | 0.974% |
| 71 | 9.452 | 638 | 640 | 642 | rVV  | 385985  | 588362  | 16.63%  | 0.728% |

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 BNA\_F  
 ClientSampleId :  
 B-2D(3.5-4)

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 Stop Thrs : 0  
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 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-BF092815.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |           |         |         |        |        |
|-----|--------|------|------|-----------|---------|---------|--------|--------|
| 72  | 9.520  | 643  | 646  | 648 rVV   | 589384  | 993521  | 28.09% | 1.230% |
| 73  | 9.566  | 648  | 650  | 651 rVV2  | 275704  | 441951  | 12.49% | 0.547% |
| 74  | 9.589  | 651  | 652  | 653 rVV   | 833506  | 815954  | 23.07% | 1.010% |
| 75  | 9.612  | 653  | 654  | 656 rVV2  | 570752  | 997194  | 28.19% | 1.235% |
| 76  | 9.658  | 656  | 658  | 659 rVV   | 1591460 | 2022073 | 57.16% | 2.503% |
| 77  | 9.680  | 659  | 660  | 661 rVV   | 214823  | 204313  | 5.78%  | 0.253% |
| 78  | 9.715  | 661  | 663  | 669 rVV6  | 209285  | 577355  | 16.32% | 0.715% |
| 79  | 9.795  | 669  | 670  | 672 rVB2  | 191914  | 181263  | 5.12%  | 0.224% |
| 80  | 9.841  | 672  | 674  | 675 rBV   | 236352  | 232534  | 6.57%  | 0.288% |
| 81  | 9.875  | 675  | 677  | 678 rVB2  | 106059  | 90811   | 2.57%  | 0.112% |
| 82  | 9.932  | 678  | 682  | 684 rBV   | 846204  | 1182388 | 33.42% | 1.464% |
| 83  | 10.035 | 690  | 691  | 694 rVV   | 163059  | 196024  | 5.54%  | 0.243% |
| 84  | 10.092 | 694  | 696  | 697 rVV2  | 103196  | 179447  | 5.07%  | 0.222% |
| 85  | 10.126 | 697  | 699  | 702 rVV2  | 221843  | 412355  | 11.66% | 0.510% |
| 86  | 10.195 | 702  | 705  | 708 rVB3  | 245540  | 535509  | 15.14% | 0.663% |
| 87  | 10.252 | 708  | 710  | 711 rBV   | 177054  | 180207  | 5.09%  | 0.223% |
| 88  | 10.343 | 716  | 718  | 721 rBV4  | 132600  | 257255  | 7.27%  | 0.318% |
| 89  | 10.423 | 723  | 725  | 728 rVB2  | 84394   | 140822  | 3.98%  | 0.174% |
| 90  | 10.481 | 728  | 730  | 736 rVB4  | 85521   | 256273  | 7.24%  | 0.317% |
| 91  | 10.583 | 736  | 739  | 742 rVB   | 358392  | 434853  | 12.29% | 0.538% |
| 92  | 10.641 | 742  | 744  | 746 rVB3  | 47022   | 70631   | 2.00%  | 0.087% |
| 93  | 10.732 | 749  | 752  | 754 rVB   | 1377380 | 1873930 | 52.97% | 2.320% |
| 94  | 10.846 | 760  | 762  | 766 rVB   | 364258  | 459604  | 12.99% | 0.569% |
| 95  | 11.315 | 802  | 803  | 806 rVB   | 85982   | 82069   | 2.32%  | 0.102% |
| 96  | 11.429 | 810  | 813  | 815 rBV   | 575658  | 826116  | 23.35% | 1.023% |
| 97  | 13.018 | 949  | 952  | 955 rBV   | 3138372 | 3417667 | 96.61% | 4.231% |
| 98  | 13.932 | 1028 | 1032 | 1042 rBV3 | 37733   | 164288  | 4.64%  | 0.203% |
| 99  | 14.070 | 1042 | 1044 | 1056 rVB  | 786574  | 930062  | 26.29% | 1.151% |
| 100 | 15.533 | 1169 | 1172 | 1188 rBV  | 443060  | 711690  | 20.12% | 0.881% |

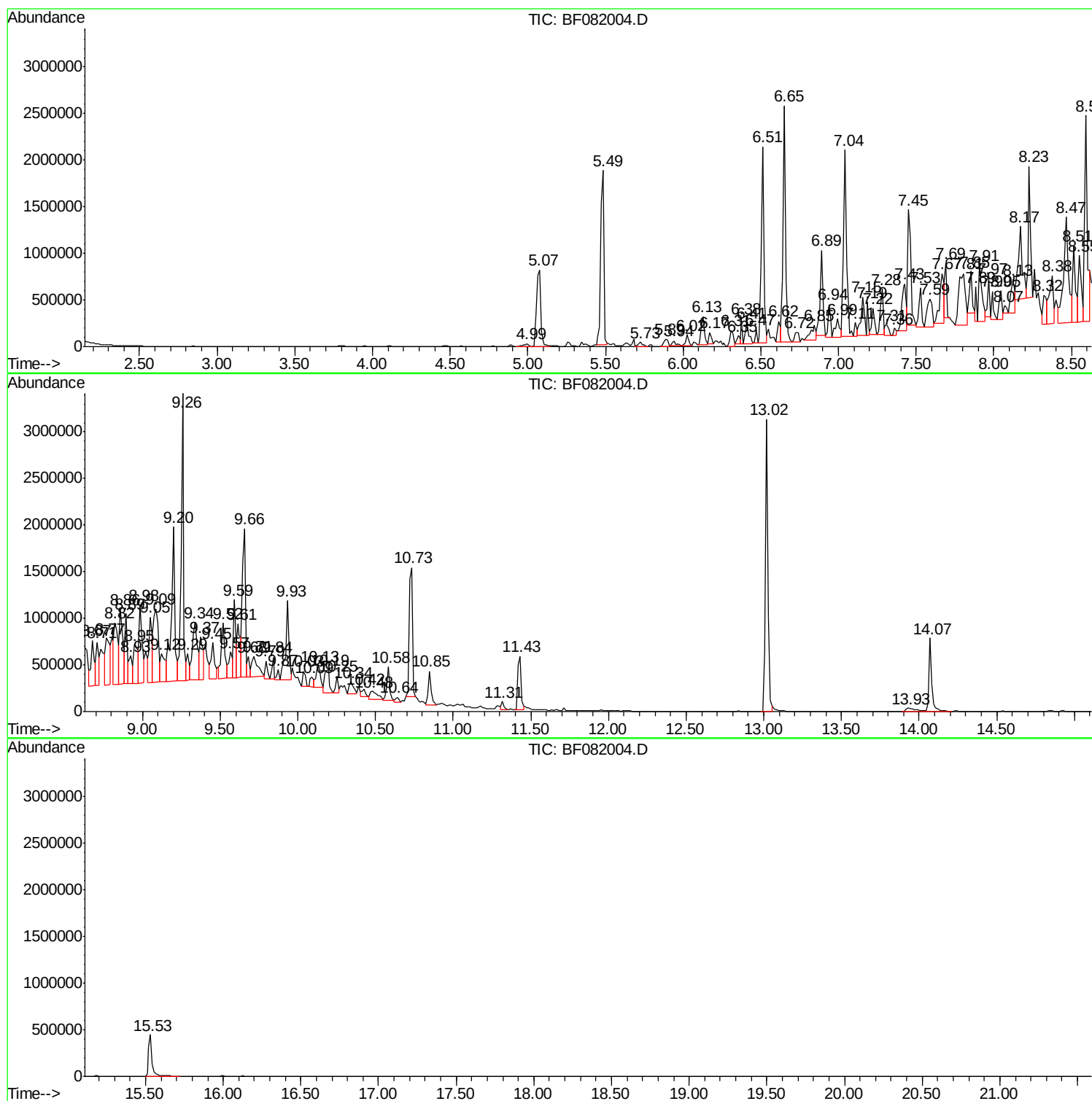
Sum of corrected areas: 80776047

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
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Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.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\BF100215\  
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Acq On : 3 Oct 2015 5:03  
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Misc :  
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Instrument :  
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Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

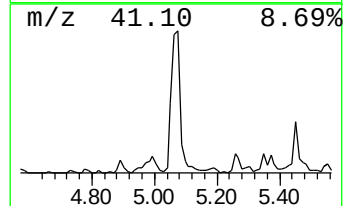
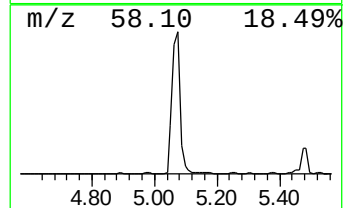
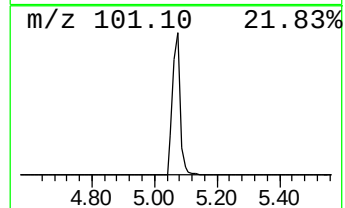
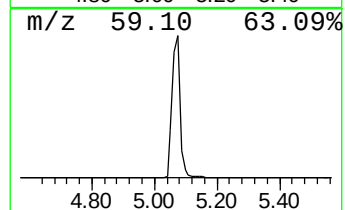
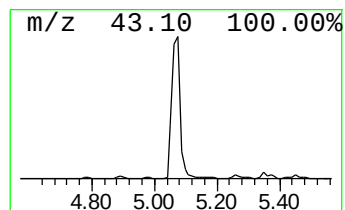
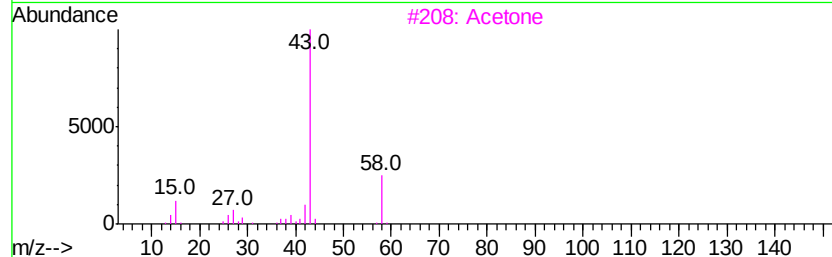
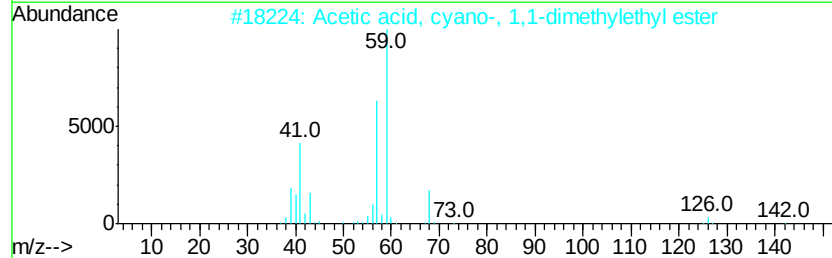
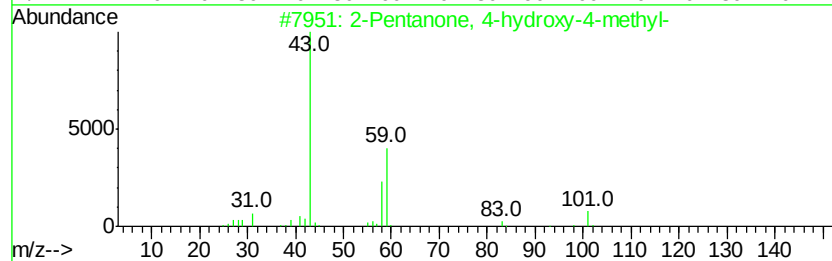
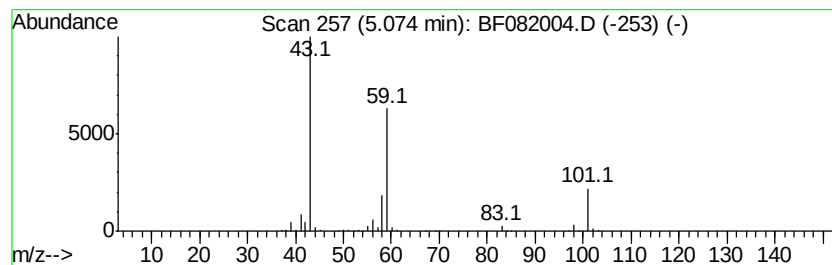
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.07 | 26.97 ng | 1485640 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 9    |
| 4    |    | Guanidine                            | 59  | CH5N3    | 000113-00-8 | 9    |
| 5    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |



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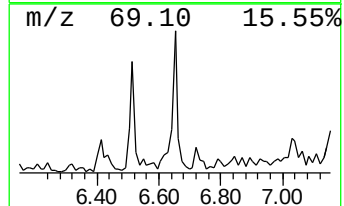
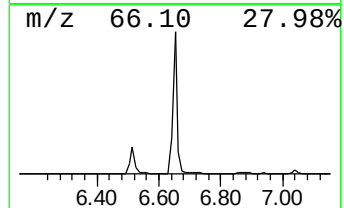
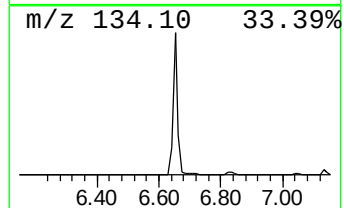
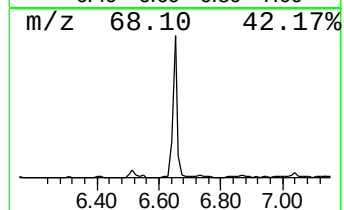
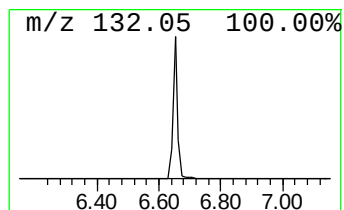
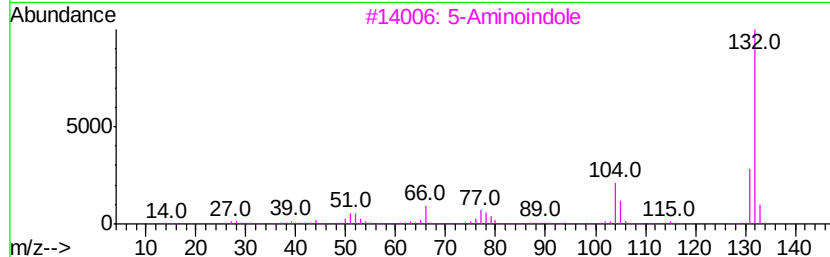
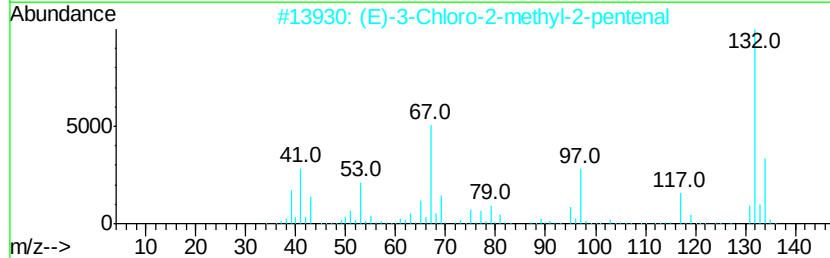
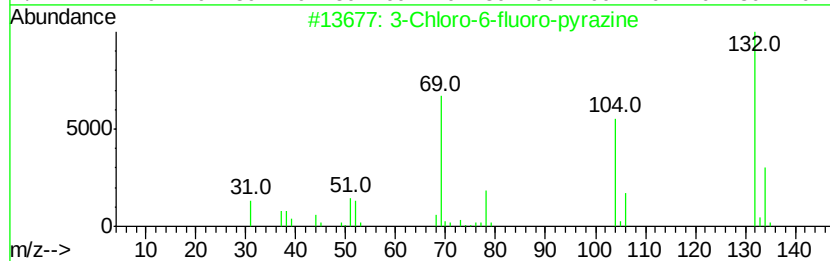
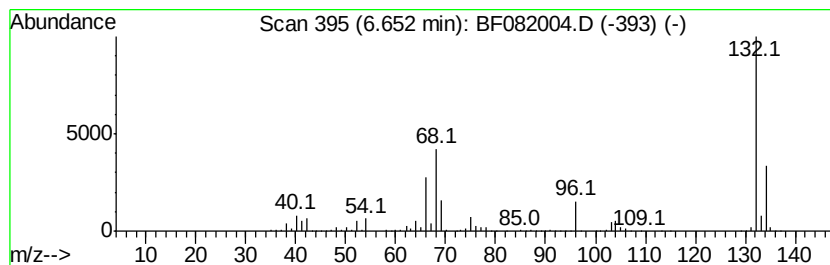
Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 49.37 ng | 2719330 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

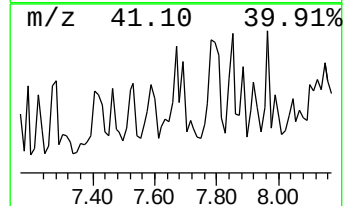
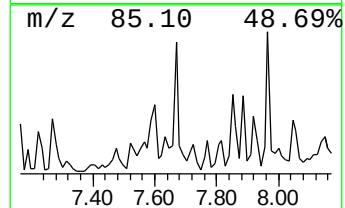
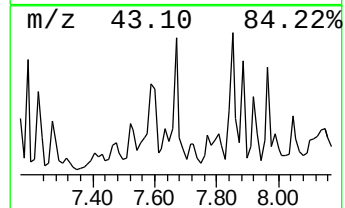
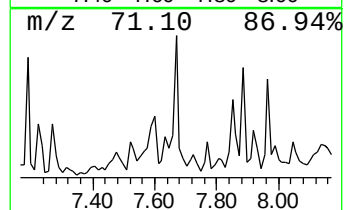
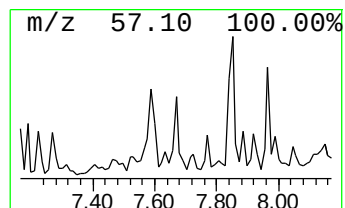
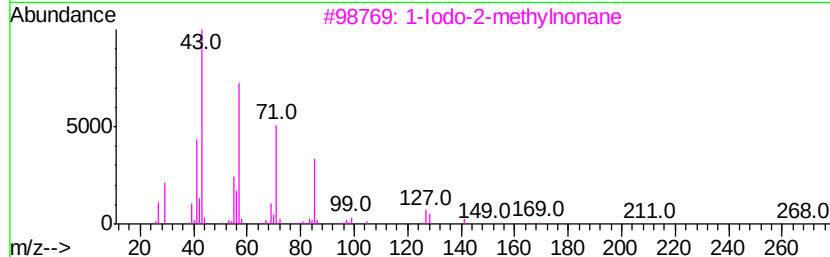
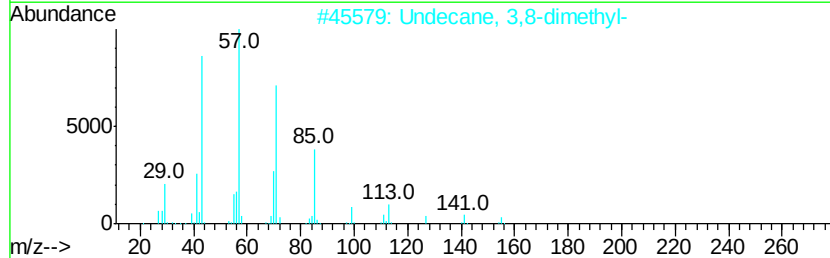
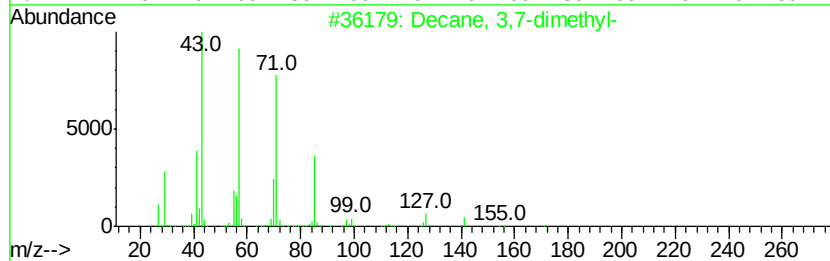
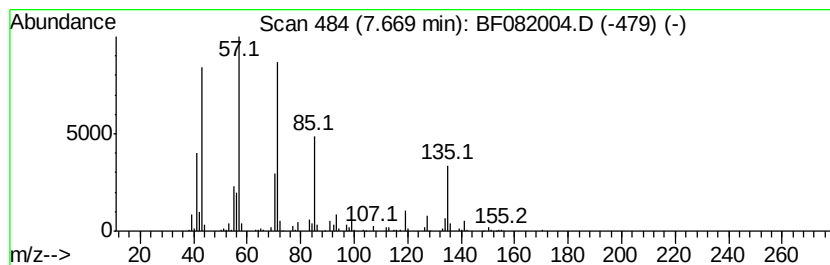
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Decane, 3,7-dimethyl- Concentration Rank 13

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.67 | 15.66 ng | 1132930 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------|-----|---------|--------------|------|
| 1    | 5  | Decane, 3,7-dimethyl-       | 170 | C12H26  | 017312-54-8  | 92   |
| 2    |    | Undecane, 3,8-dimethyl-     | 184 | C13H28  | 017301-30-3  | 72   |
| 3    |    | 1-Iodo-2-methylnonane       | 268 | C10H21I | 1000101-47-9 | 58   |
| 4    |    | Undecane, 4,7-dimethyl-     | 184 | C13H28  | 017301-32-5  | 53   |
| 5    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0  | 50   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

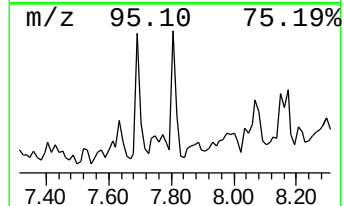
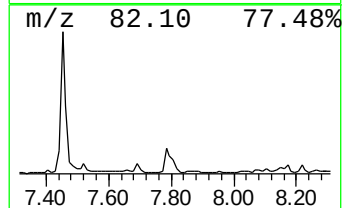
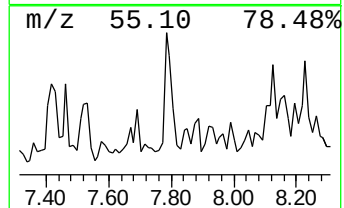
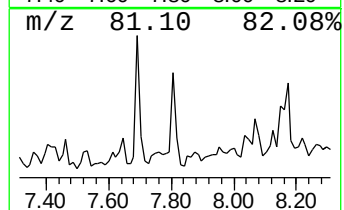
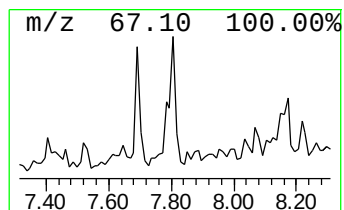
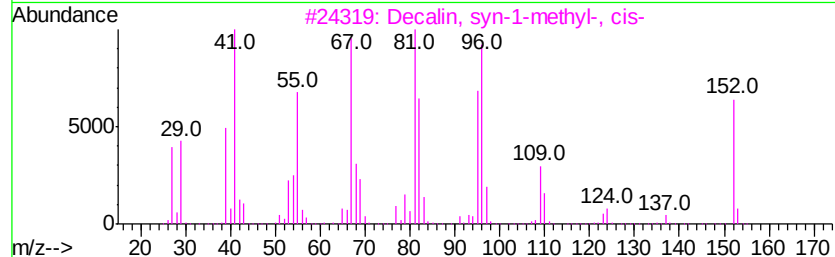
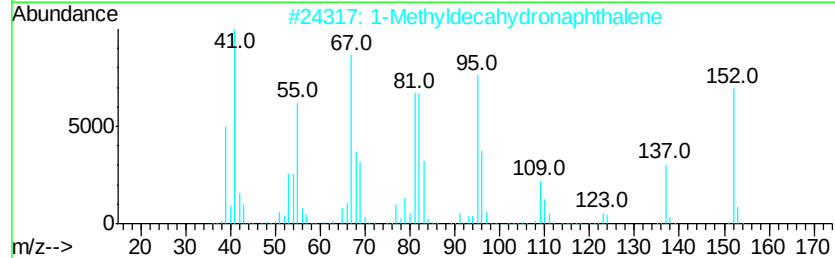
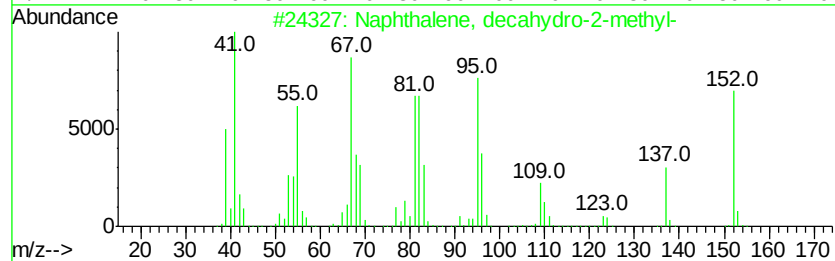
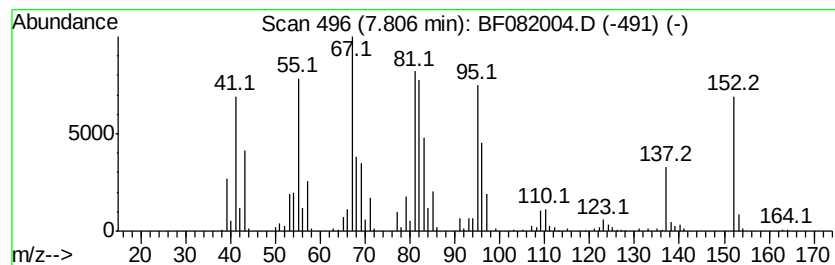
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.81 | 22.68 ng | 1640240 | Naphthalene-d8   | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 86   |
| 2    |    | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 78   |
| 3    |    | Decalin, syn-1-methyl-, cis-        | 152 | C11H20  | 1000158-89-1 | 76   |
| 4    |    | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18  | 004795-86-2  | 68   |
| 5    |    | Cyclodecene, (Z)-                   | 138 | C10H18  | 000935-31-9  | 60   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

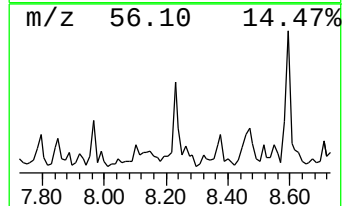
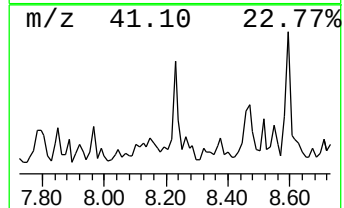
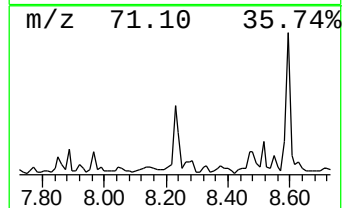
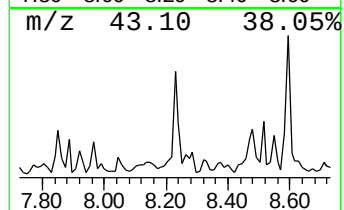
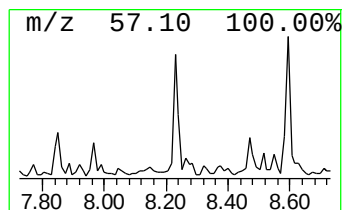
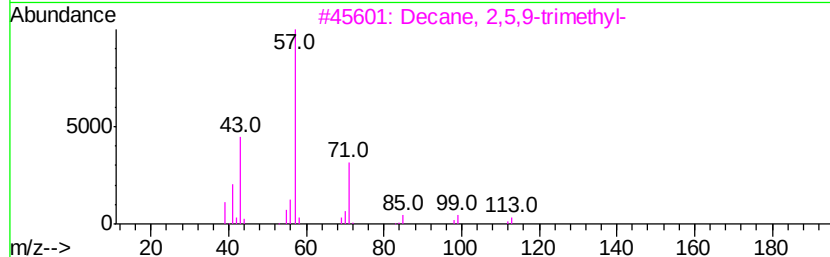
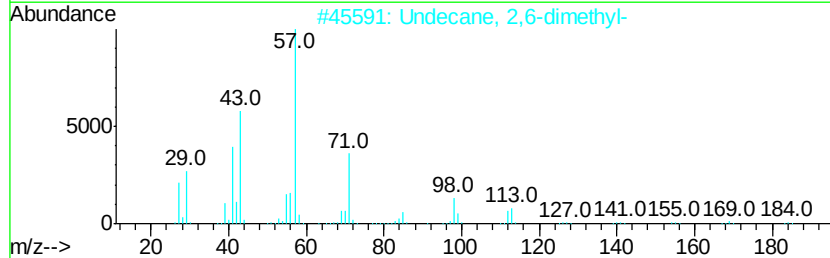
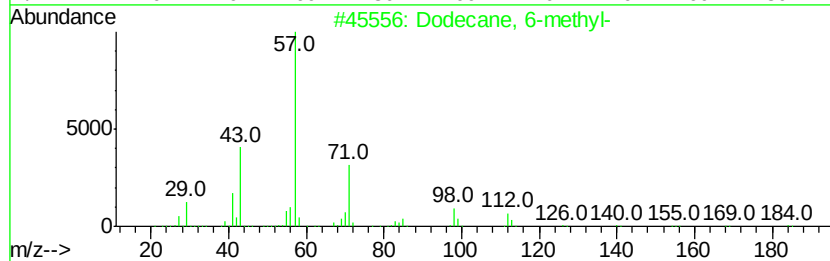
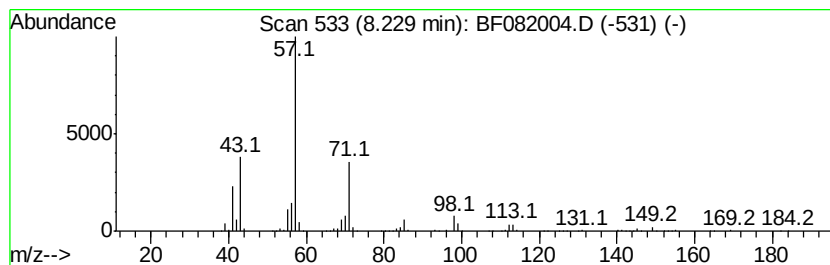
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Dodecane, 6-methyl- Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.23 | 21.72 ng | 1570790 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 6-methyl-      | 184 | C13H28  | 006044-71-9 | 86   |
| 2    |    | Undecane, 2,6-dimethyl-  | 184 | C13H28  | 017301-23-4 | 78   |
| 3    |    | Decane, 2,5,9-trimethyl- | 184 | C13H28  | 062108-22-9 | 72   |
| 4    |    | Undecane, 4,6-dimethyl-  | 184 | C13H28  | 017312-82-2 | 64   |
| 5    |    | Octane, 2,5-dimethyl-    | 142 | C10H22  | 015869-89-3 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

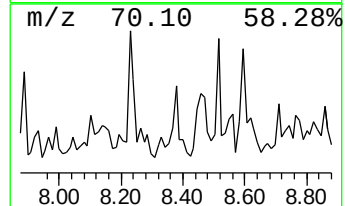
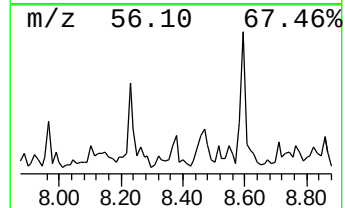
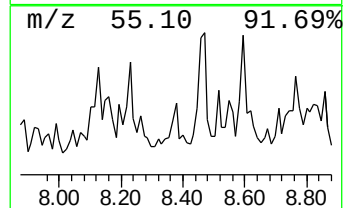
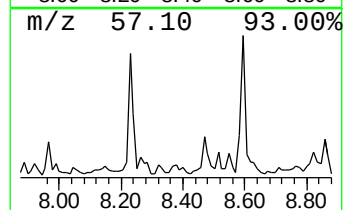
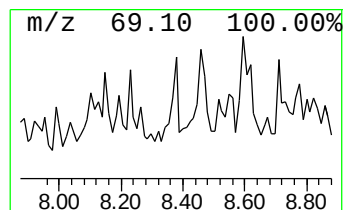
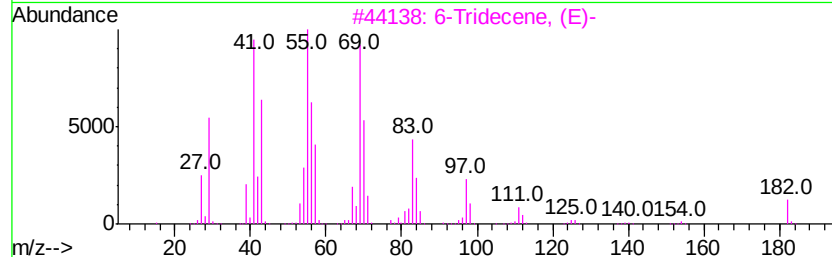
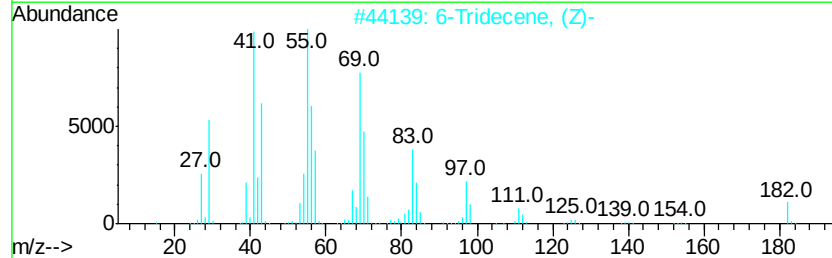
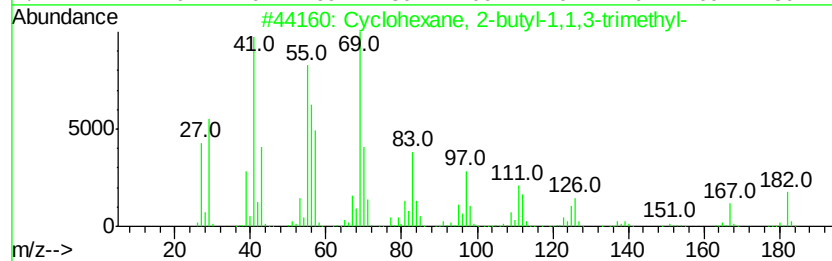
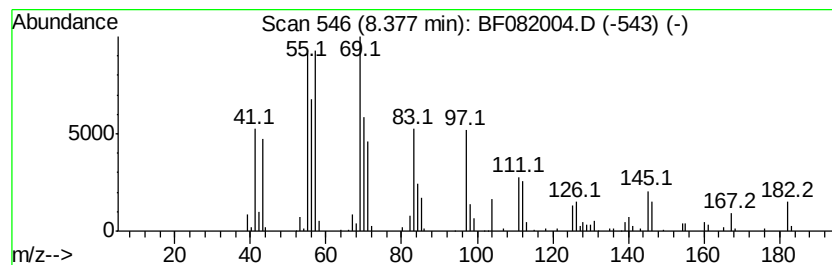
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 20

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.38 | 12.62 ng | 912878 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 90   |
| 2    |    | 6-Tridecene, (Z)-                   | 182 | C13H26  | 006508-77-6 | 70   |
| 3    |    | 6-Tridecene, (E)-                   | 182 | C13H26  | 006434-76-0 | 70   |
| 4    |    | 5-Tridecene, (E)-                   | 182 | C13H26  | 023051-84-5 | 58   |
| 5    |    | 9-Octadecene, (E)-                  | 252 | C18H36  | 007206-25-9 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

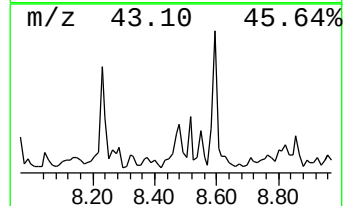
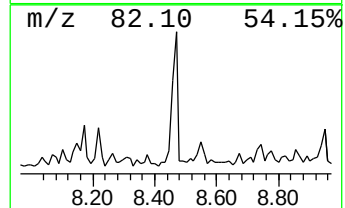
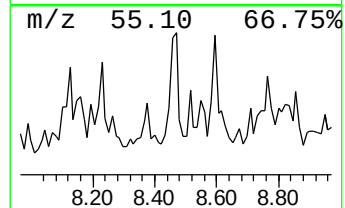
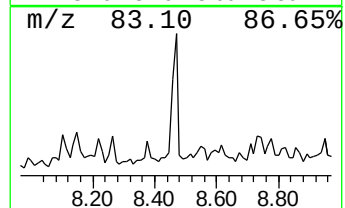
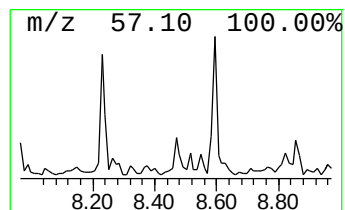
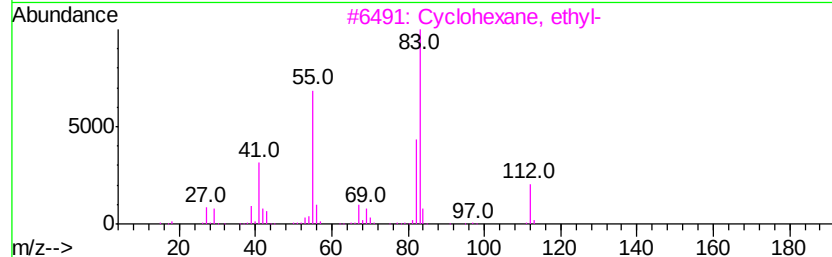
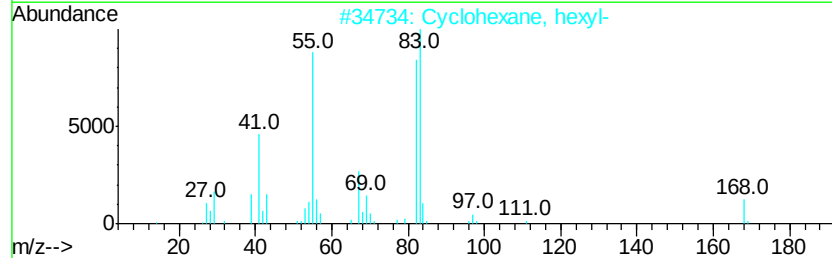
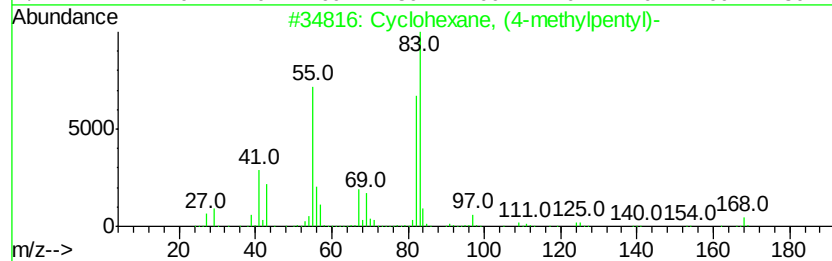
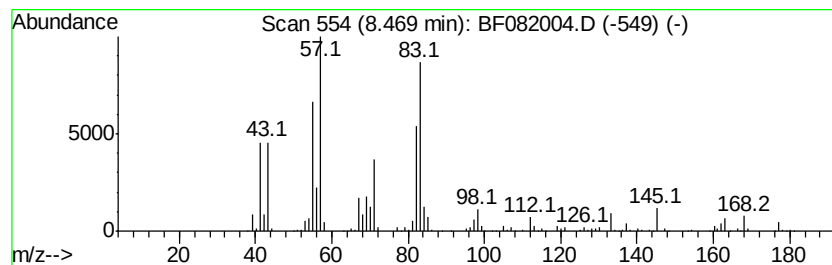
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Cyclohexane, (4-methylpentyl)- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.47 | 39.17 ng | 2833240 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 64   |
| 2    |    | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 60   |
| 3    |    | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 47   |
| 4    |    | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 47   |
| 5    |    | Cyclohexane, octyl-            | 196 | C14H28  | 001795-15-9 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

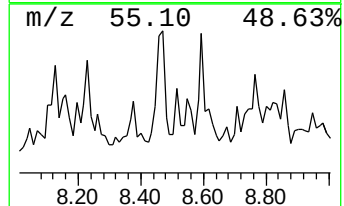
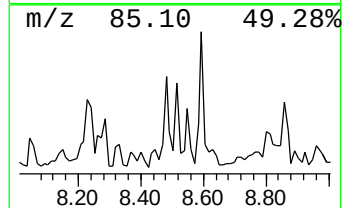
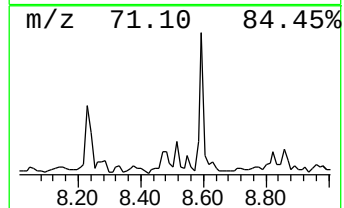
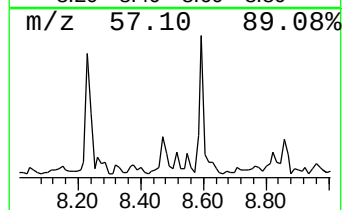
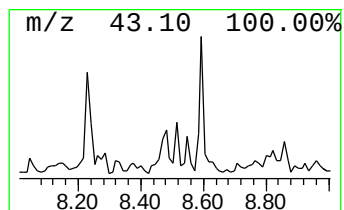
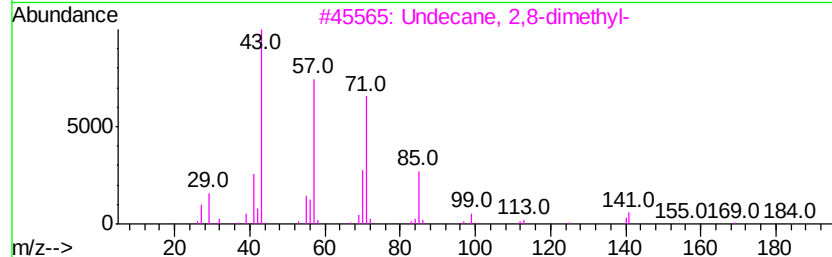
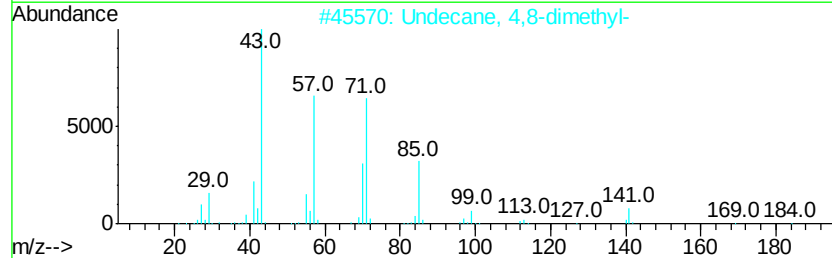
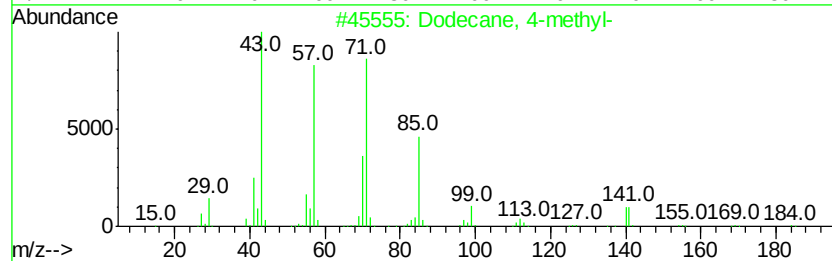
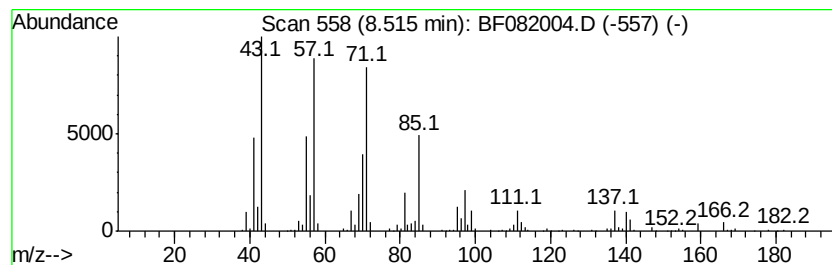
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Dodecane, 4-methyl- Concentration Rank 17

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.51 | 13.50 ng | 976372 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 4-methyl-      | 184 | C13H28  | 006117-97-1 | 72   |
| 2    |    | Undecane, 4,8-dimethyl-  | 184 | C13H28  | 017301-33-6 | 59   |
| 3    |    | Undecane, 2,8-dimethyl-  | 184 | C13H28  | 017301-25-6 | 53   |
| 4    |    | Tridecane, 4-methyl-     | 198 | C14H30  | 026730-12-1 | 53   |
| 5    |    | Decane, 2,3,7-trimethyl- | 184 | C13H28  | 062238-13-5 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

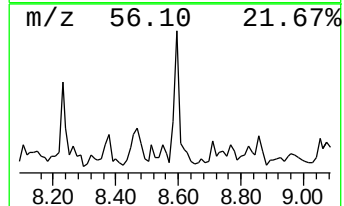
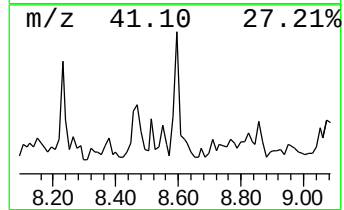
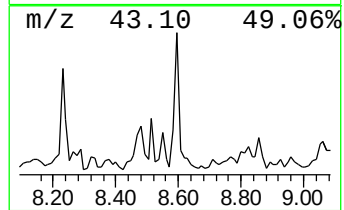
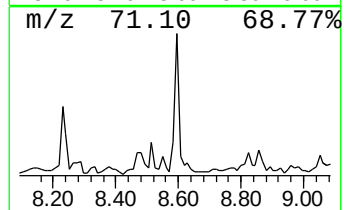
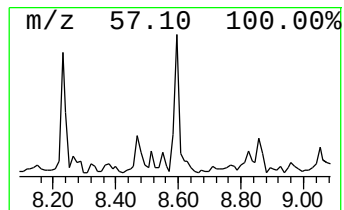
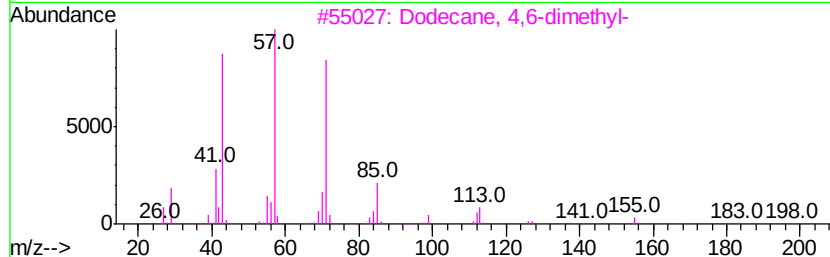
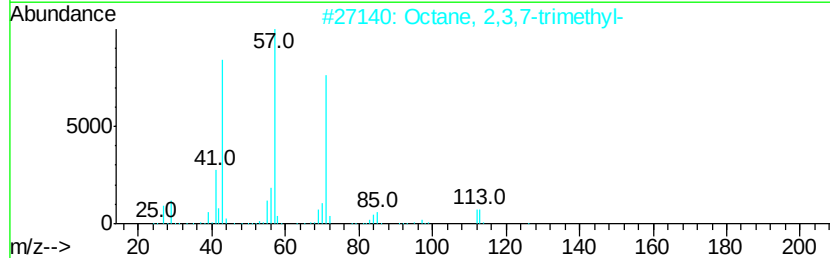
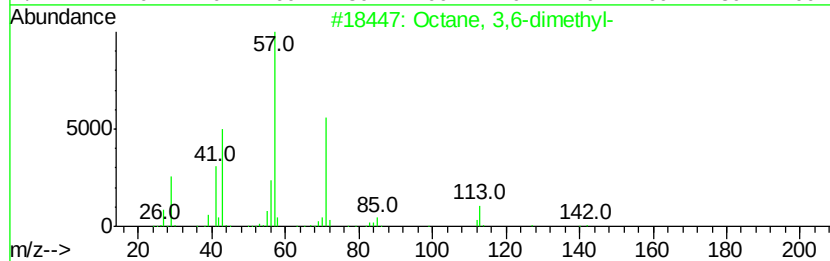
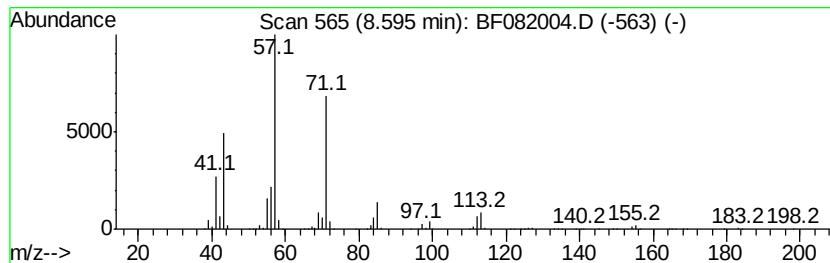
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octane, 3,6-dimethyl- Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.59 | 38.72 ng | 2800400 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 3,6-dimethyl-    | 142 | C10H22  | 015869-94-0 | 72   |
| 2    |    | Octane, 2,3,7-trimethyl- | 156 | C11H24  | 062016-34-6 | 72   |
| 3    |    | Dodecane, 4,6-dimethyl-  | 198 | C14H30  | 061141-72-8 | 64   |
| 4    |    | Octane, 1,1'-oxybis-     | 242 | C16H34O | 000629-82-3 | 64   |
| 5    |    | Hexadecane, 7-methyl-    | 240 | C17H36  | 026730-20-1 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

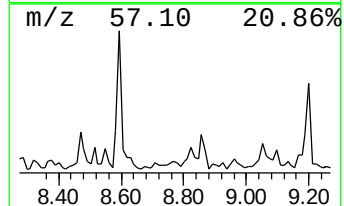
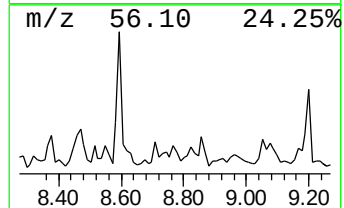
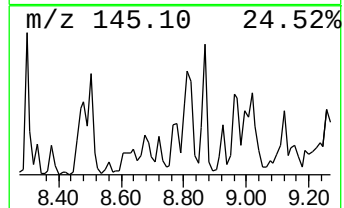
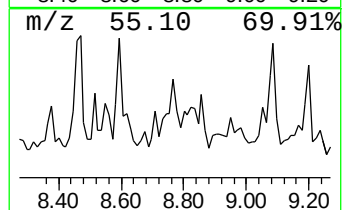
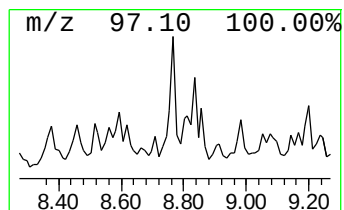
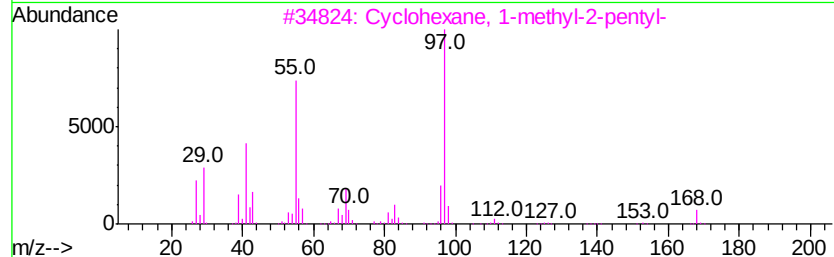
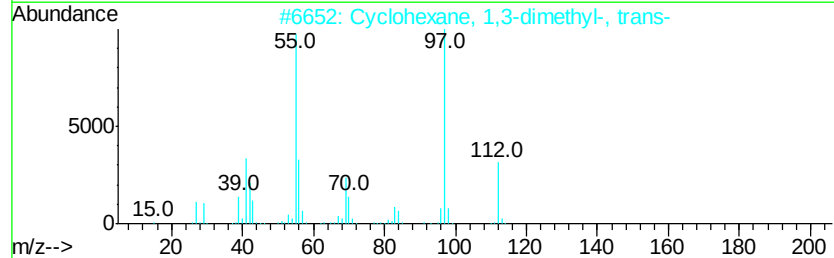
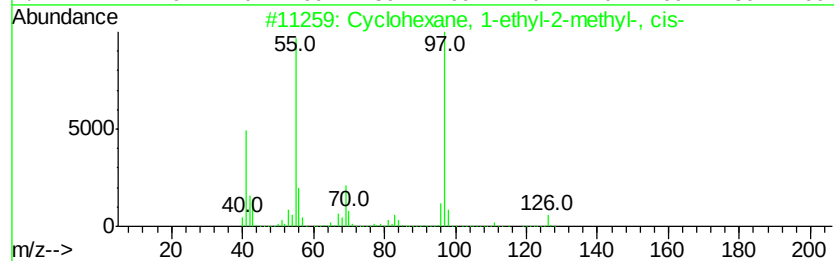
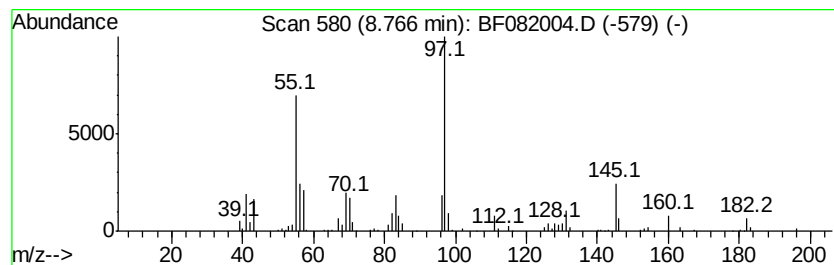
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 19

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.77 | 13.19 ng | 953850 | Napthalene-d8    | 8.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18   | 004923-77-7 | 50   |
| 2    |    |   | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 50   |
| 3    |    |   | Cyclohexane, 1-methyl-2-pentyl-     | 168 | C12H24  | 054411-01-7 | 50   |
| 4    |    |   | Cyclohexane, 1,3-dimethyl-, cis-    | 112 | C8H16   | 000638-04-0 | 50   |
| 5    |    |   | Cyclohexane, 1-methyl-2-propyl-     | 140 | C10H20  | 004291-79-6 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

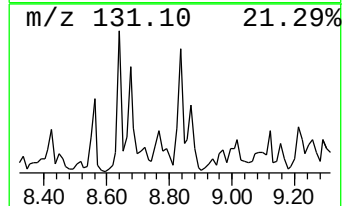
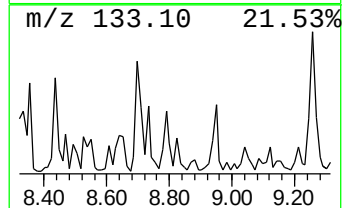
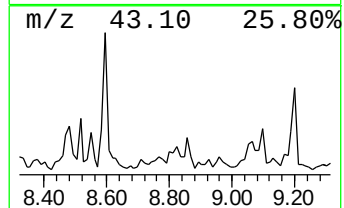
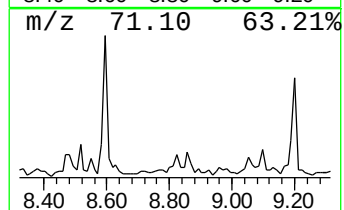
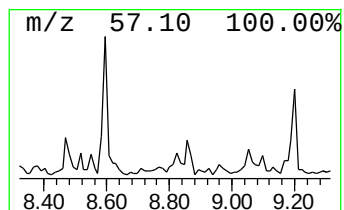
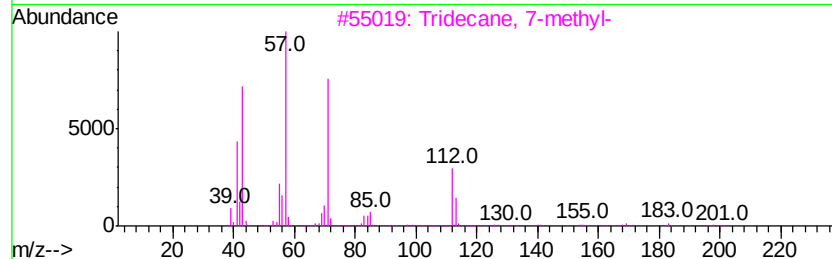
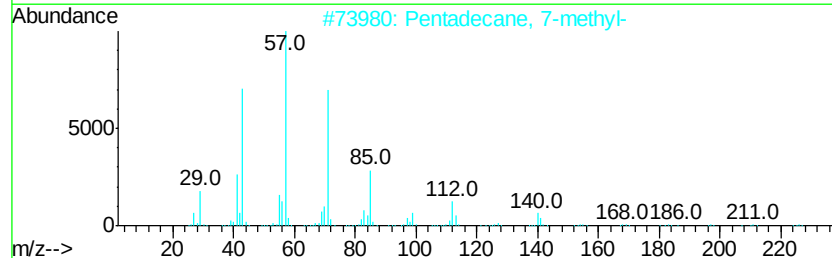
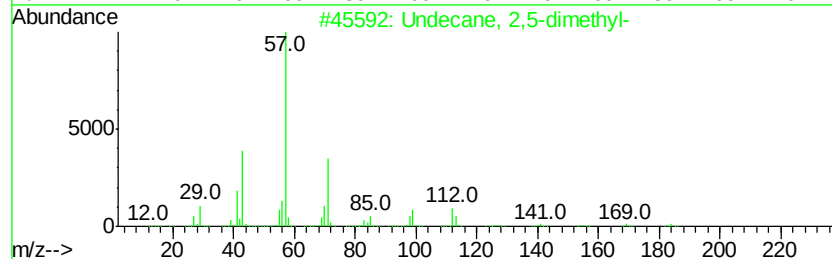
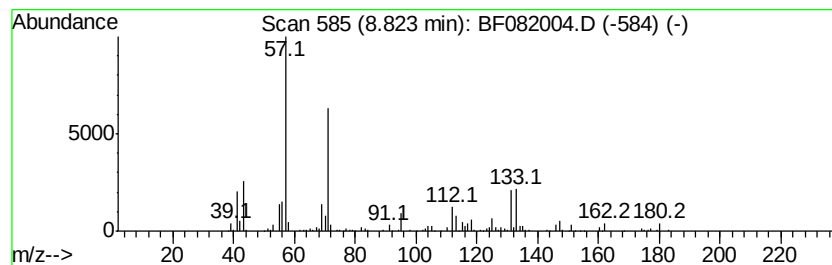
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 unknown8.82 Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.82 | 15.77 ng | 1140360 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 2,5-dimethyl-        | 184 | C13H28  | 017301-22-3 | 38   |
| 2    |    | Pentadecane, 7-methyl-         | 226 | C16H34  | 006165-40-8 | 38   |
| 3    |    | Tridecane, 7-methyl-           | 198 | C14H30  | 026730-14-3 | 38   |
| 4    |    | Decane, 2,6,7-trimethyl-       | 184 | C13H28  | 062108-25-2 | 35   |
| 5    |    | 1-Pentanol, 3-methyl-2-propyl- | 144 | C9H20O  | 054004-40-9 | 35   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

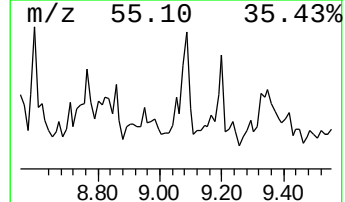
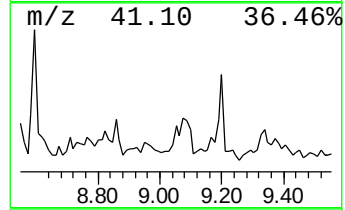
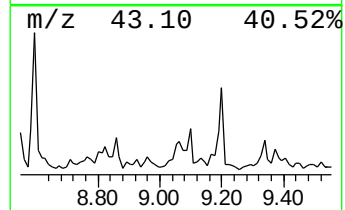
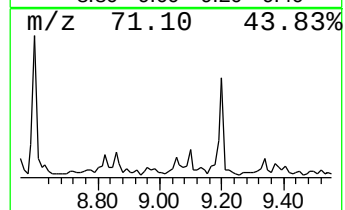
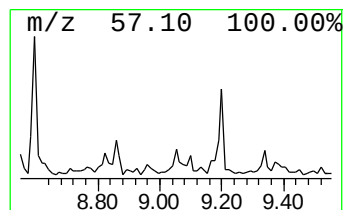
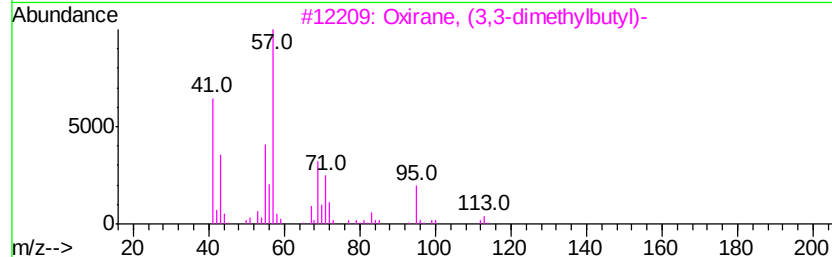
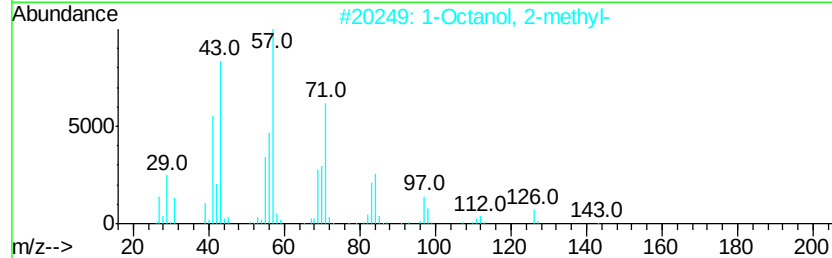
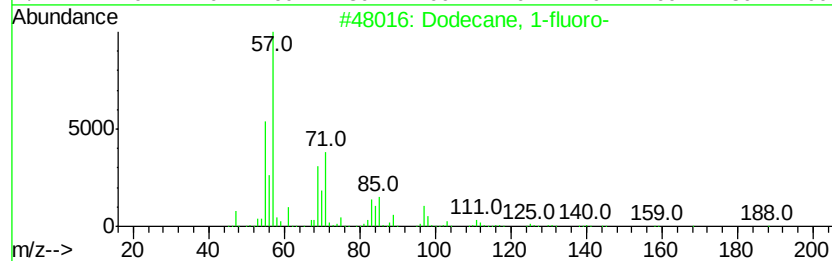
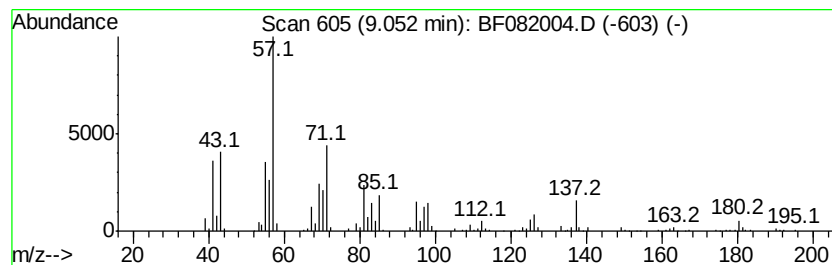
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Dodecane, 1-fluoro- Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.05 | 14.20 ng | 1027310 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 1-fluoro-           | 188 | C12H25F | 000334-68-9 | 64   |
| 2    |    | 1-Octanol, 2-methyl-          | 144 | C9H20O  | 000818-81-5 | 50   |
| 3    |    | Oxirane, (3,3-dimethylbutyl)- | 128 | C8H16O  | 053907-77-0 | 50   |
| 4    |    | Tritetracontane               | 605 | C43H88  | 007098-21-7 | 47   |
| 5    |    | Undecane, 3,5-dimethyl-       | 184 | C13H28  | 017312-81-1 | 47   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

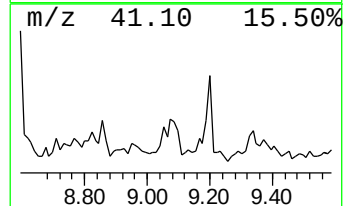
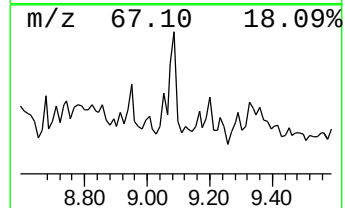
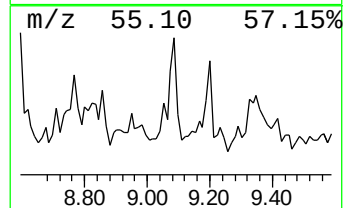
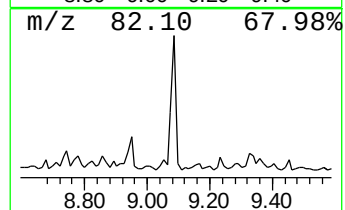
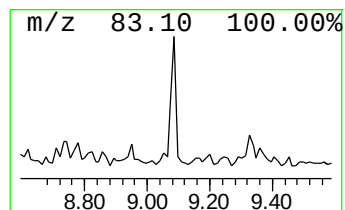
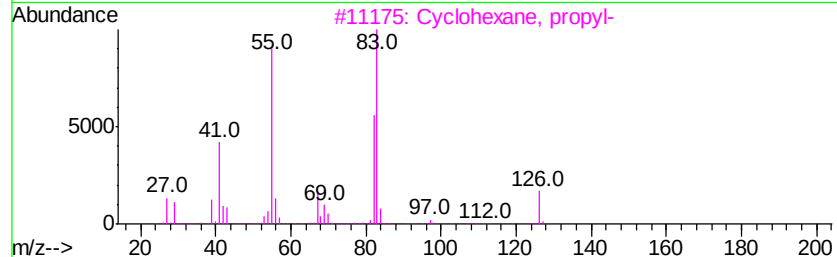
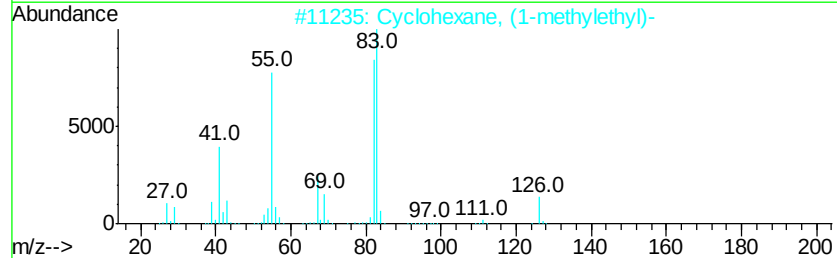
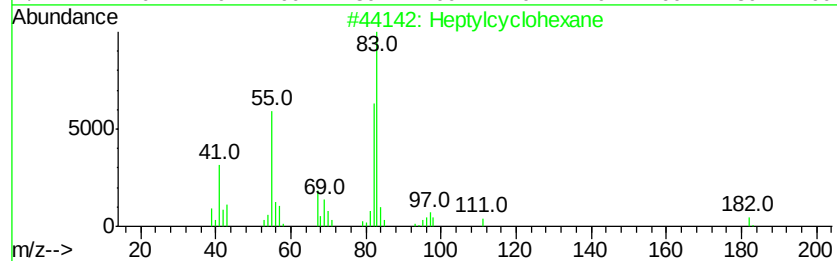
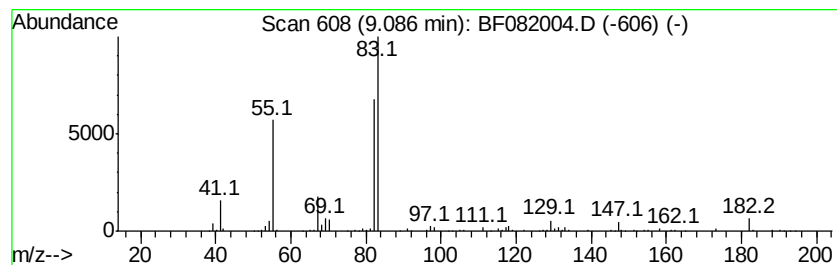
Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA F\Method\8270-BF092815.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 Heptylcyclohexane Concentration Rank 6

| R.T.    | EstConc  | Area                          | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------|------------------|----------------|
| 9.09    | 27.33 ng | 1615560                       | Acenaphthene-d10 | 9.93           |
| Hit# of | 5        | Tentative ID                  | MW MolForm       | CAS# Qual      |
| 1       |          | Heptylcyclohexane             | 182 C13H26       | 005617-41-4 78 |
| 2       |          | Cyclohexane, (1-methylethyl)- | 126 C9H18        | 000696-29-7 72 |
| 3       |          | Cyclohexane, propyl-          | 126 C9H18        | 001678-92-8 72 |
| 4       |          | Cyclohexane, pentyl-          | 154 C11H22       | 004292-92-6 72 |
| 5       |          | Cyclohexane, butyl-           | 140 C10H20       | 001678-93-9 72 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

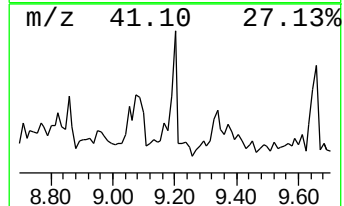
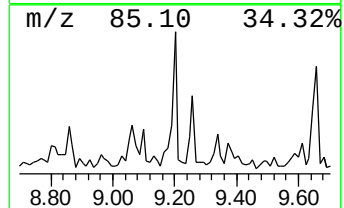
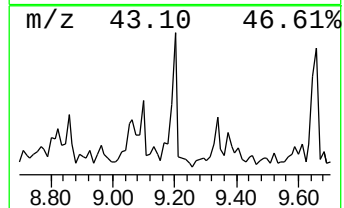
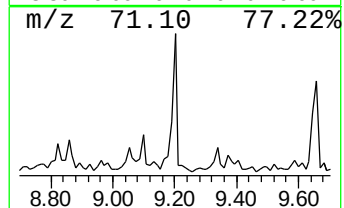
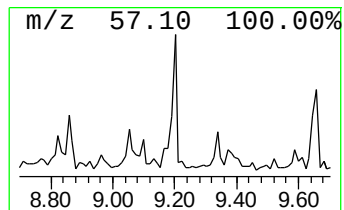
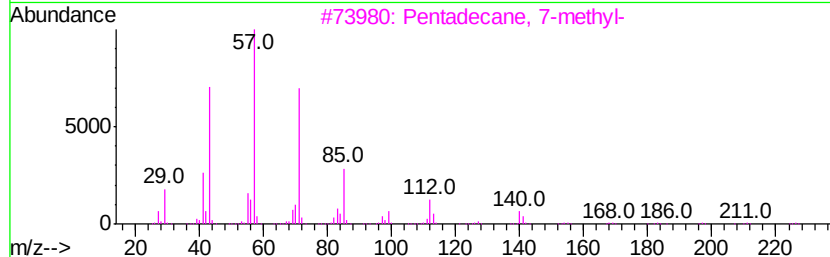
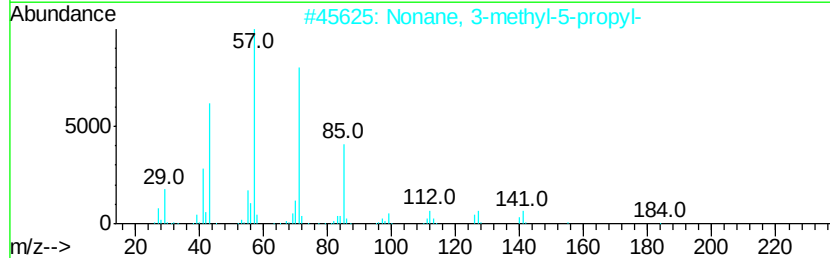
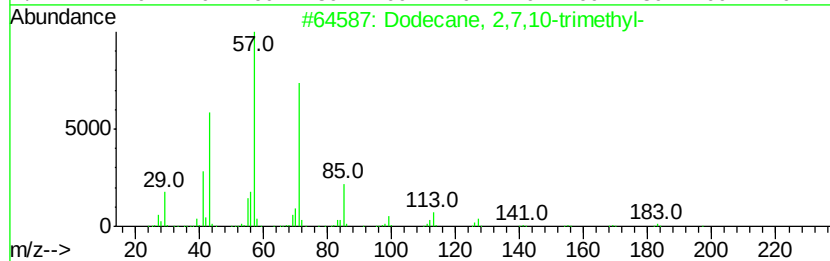
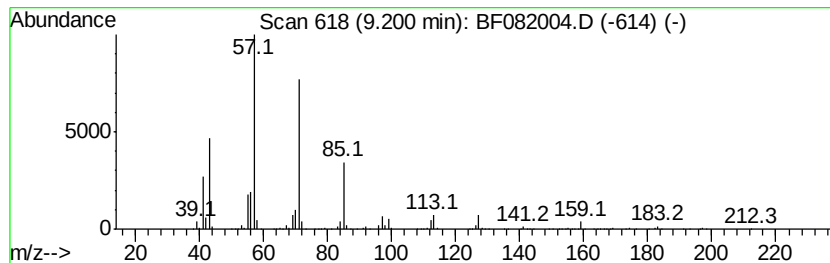
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Dodecane, 2,7,10-trimethyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.20 | 42.48 ng | 2511490 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 87   |
| 2    |    | Nonane, 3-methyl-5-propyl-  | 184 | C13H28  | 031081-18-2 | 78   |
| 3    |    | Pentadecane, 7-methyl-      | 226 | C16H34  | 006165-40-8 | 78   |
| 4    |    | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 72   |
| 5    |    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

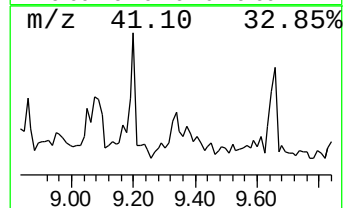
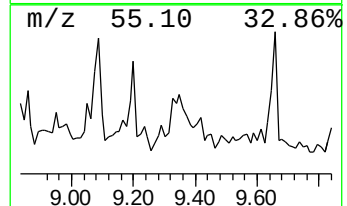
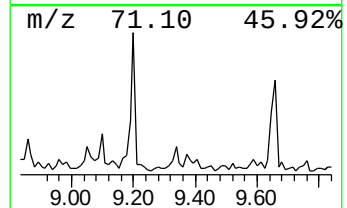
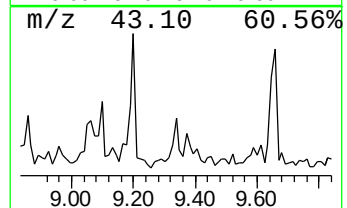
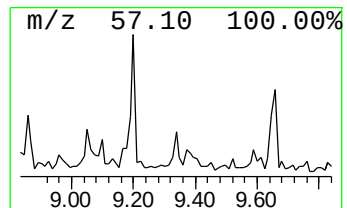
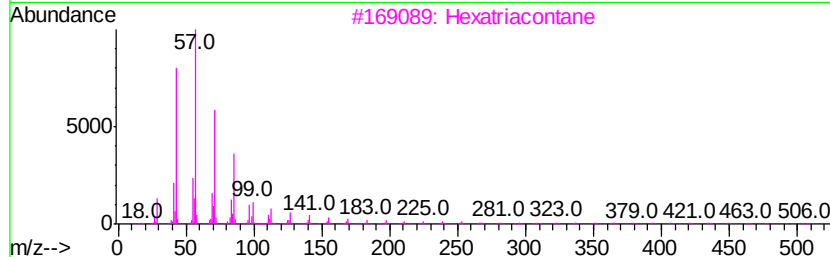
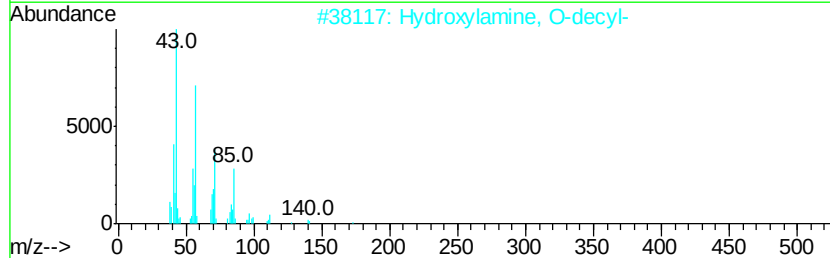
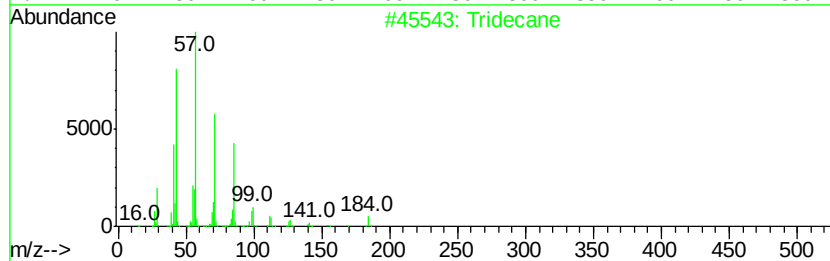
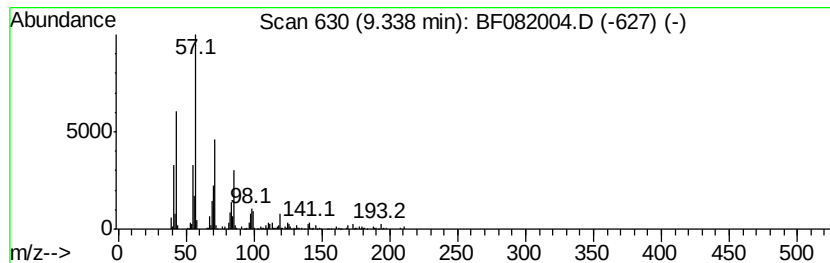
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Tridecane Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.34 | 23.05 ng | 1362920 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------|-----|----------|-------------|------|
| 1    | 5  | Tridecane               | 184 | C13H28   | 000629-50-5 | 59   |
| 2    |    | Hydroxylamine, O-decyl- | 173 | C10H23NO | 029812-79-1 | 58   |
| 3    |    | Hexatriacontane         | 507 | C36H74   | 000630-06-8 | 53   |
| 4    |    | Dodecane                | 170 | C12H26   | 000112-40-3 | 53   |
| 5    |    | Nonane, 2-methyl-       | 142 | C10H22   | 000871-83-0 | 52   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

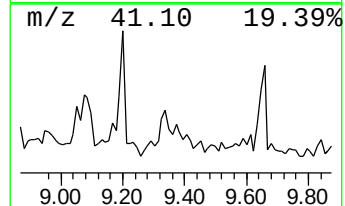
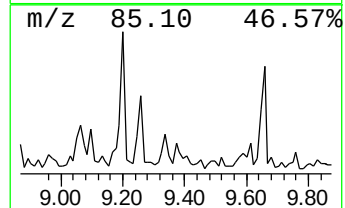
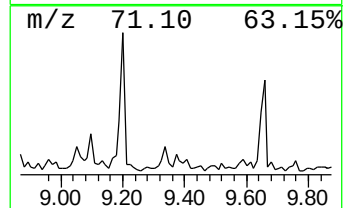
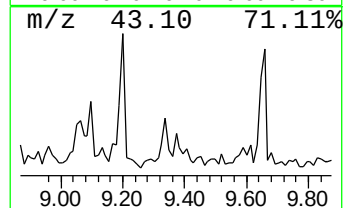
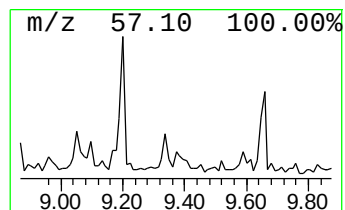
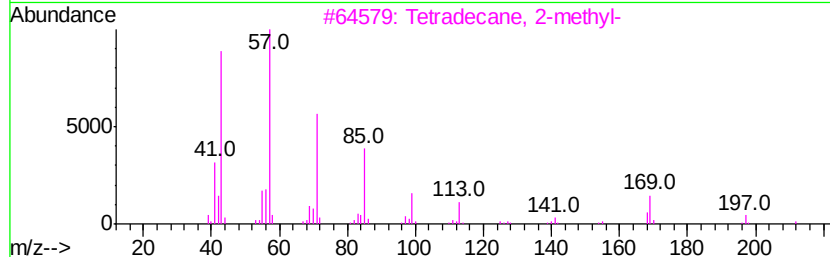
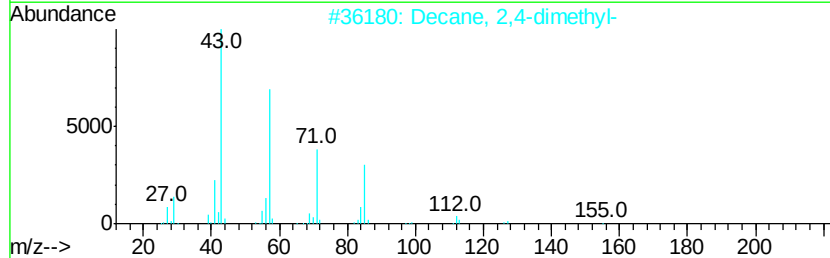
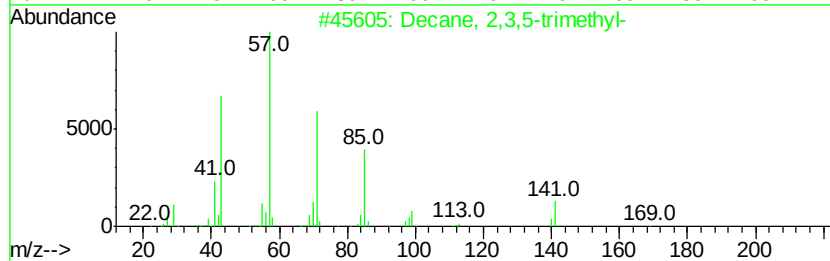
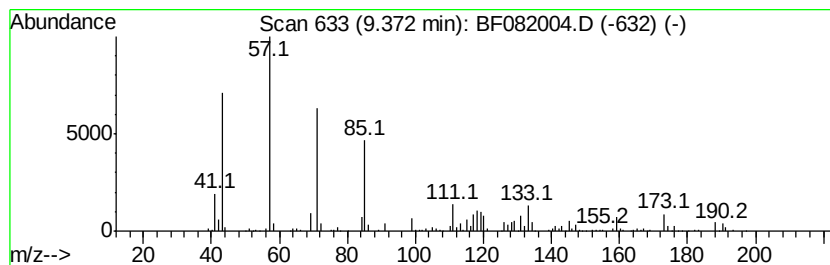
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Decane, 2,3,5-trimethyl- Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.37 | 13.31 ng | 787152 | Acenaphthene-d10 | 9.93 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Decane, 2,3,5-trimethyl-     | 184 | C13H28  | 062238-11-3 | 50   |
| 2    |    |   | Decane, 2,4-dimethyl-        | 170 | C12H26  | 002801-84-5 | 50   |
| 3    |    |   | Tetradecane, 2-methyl-       | 212 | C15H32  | 001560-95-8 | 50   |
| 4    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 50   |
| 5    |    |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

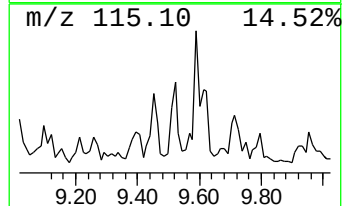
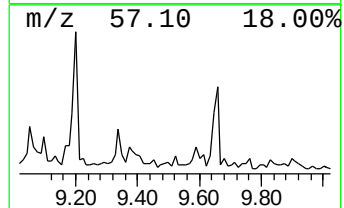
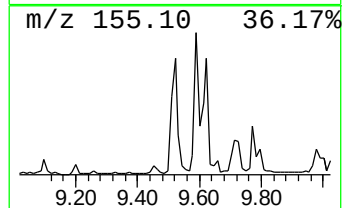
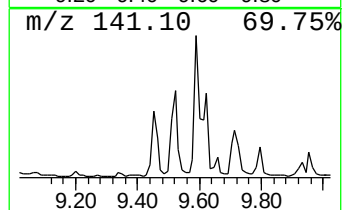
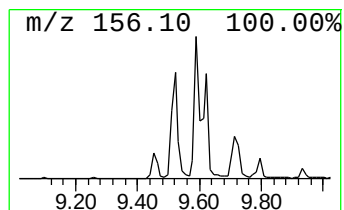
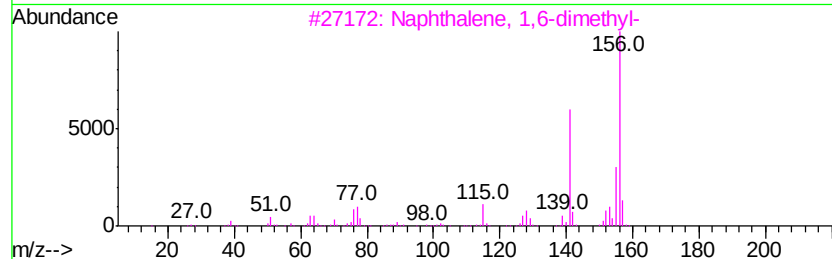
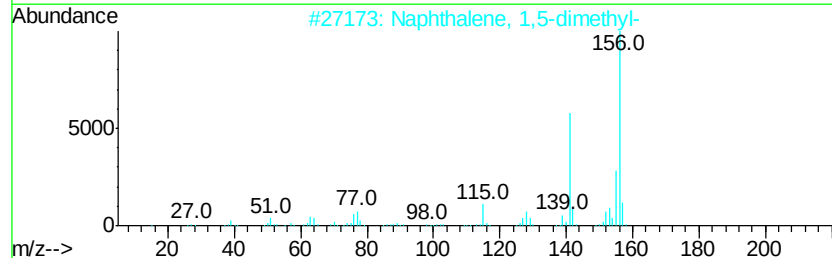
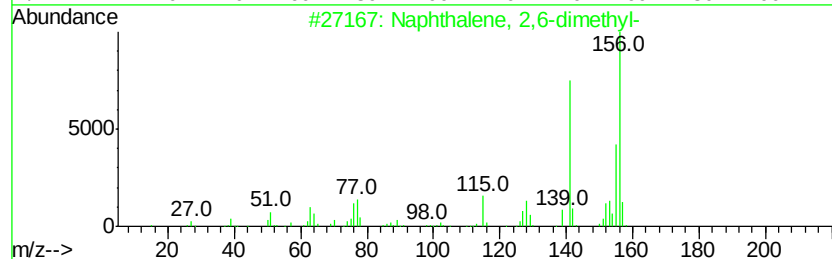
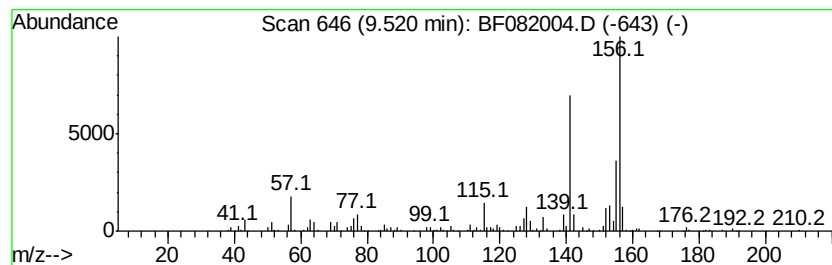
Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Naphthalene, 2,6-dimethyl- Concentration Rank 11

| R.T. | EstConc  | Area   | Relative to ISTD           |     | R.T.    |             |      |
|------|----------|--------|----------------------------|-----|---------|-------------|------|
| 9.52 | 16.81 ng | 993521 | Acenaphthene-d10           |     | 9.93    |             |      |
| Hit# | of       | 5      | Tentative ID               | MW  | MolForm | CAS#        | Qual |
| 1    |          |        | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |          |        | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |          |        | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |          |        | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |          |        | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082004.D  
Acq On : 3 Oct 2015 5:03  
Operator : UM/IZ  
Sample : G3897-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

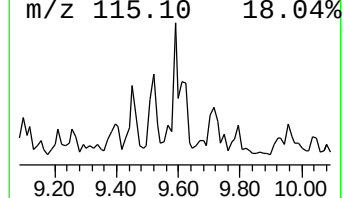
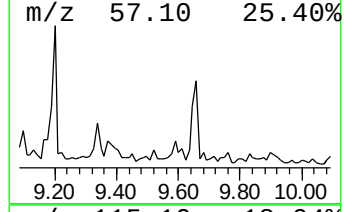
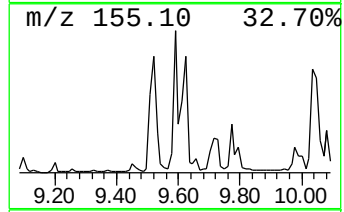
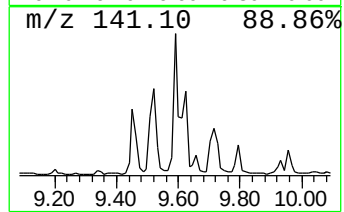
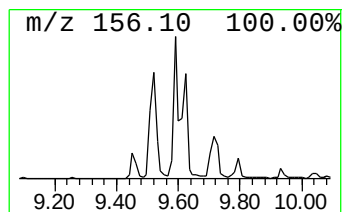
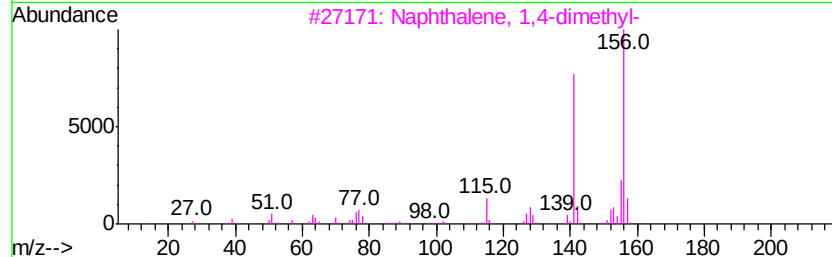
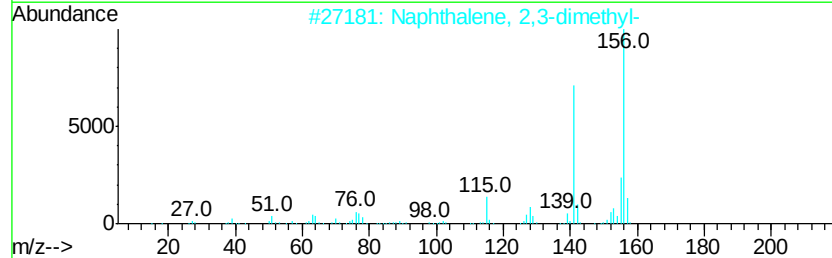
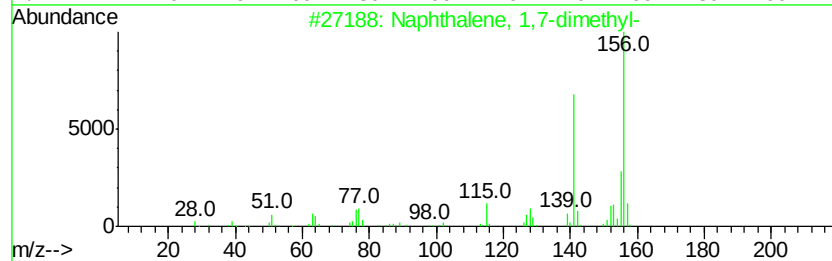
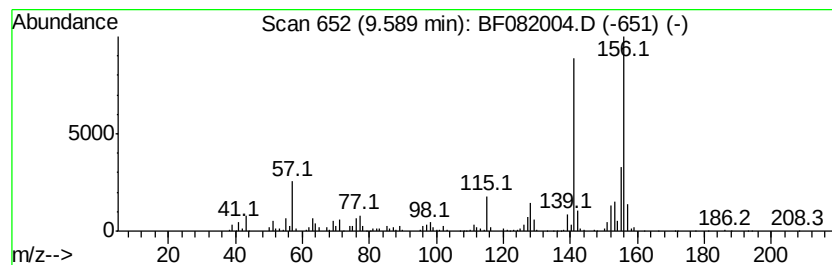
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Naphthalene, 1,7-dimethyl- Concentration Rank 16

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.59 | 13.80 ng | 815954 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 2    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 3    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 4    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |
| 5    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
 Data File : BF082004.D  
 Acq On : 3 Oct 2015 5:03  
 Operator : UM/IZ  
 Sample : G3897-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-2D(3.5-4)

Quant Method : H:\HPCHEM1\BNA\_F\Method\8270-BF092815.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... | 5.07 | 27.0    | ng    | 1485640  | 1                     | 6.89 | 1101640 | 20.0 |
| unknown6.65          | 6.65 | 49.4    | ng    | 2719330  | 1                     | 6.89 | 1101640 | 20.0 |
| Decane, 3,7-dimet... | 7.67 | 15.7    | ng    | 1132930  | 2                     | 8.17 | 1446530 | 20.0 |
| Naphthalene, deca... | 7.81 | 22.7    | ng    | 1640240  | 2                     | 8.17 | 1446530 | 20.0 |
| Dodecane, 6-methyl-  | 8.23 | 21.7    | ng    | 1570790  | 2                     | 8.17 | 1446530 | 20.0 |
| Cyclohexane, 2-bu... | 8.38 | 12.6    | ng    | 912878   | 2                     | 8.17 | 1446530 | 20.0 |
| Cyclohexane, (4-m... | 8.47 | 39.2    | ng    | 2833240  | 2                     | 8.17 | 1446530 | 20.0 |
| Dodecane, 4-methyl-  | 8.51 | 13.5    | ng    | 976372   | 2                     | 8.17 | 1446530 | 20.0 |
| Octane, 3,6-dimet... | 8.59 | 38.7    | ng    | 2800400  | 2                     | 8.17 | 1446530 | 20.0 |
| Cyclohexane, 1-et... | 8.77 | 13.2    | ng    | 953850   | 2                     | 8.17 | 1446530 | 20.0 |
| unknown8.82          | 8.82 | 15.8    | ng    | 1140360  | 2                     | 8.17 | 1446530 | 20.0 |
| Dodecane, 1-fluoro-  | 9.05 | 14.2    | ng    | 1027310  | 2                     | 8.17 | 1446530 | 20.0 |
| Heptylcyclohexane    | 9.09 | 27.3    | ng    | 1615560  | 3                     | 9.93 | 1182390 | 20.0 |
| Dodecane, 2,7,10-... | 9.20 | 42.5    | ng    | 2511490  | 3                     | 9.93 | 1182390 | 20.0 |
| Tridecane            | 9.34 | 23.1    | ng    | 1362920  | 3                     | 9.93 | 1182390 | 20.0 |
| Decane, 2,3,5-tri... | 9.37 | 13.3    | ng    | 787152   | 3                     | 9.93 | 1182390 | 20.0 |
| Naphthalene, 2,6-... | 9.52 | 16.8    | ng    | 993521   | 3                     | 9.93 | 1182390 | 20.0 |
| Naphthalene, 1,7-... | 9.59 | 13.8    | ng    | 815954   | 3                     | 9.93 | 1182390 | 20.0 |