

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
 Data File : BF084674.D  
 Acq On : 30 Jan 2016 9:46  
 Operator : SJ/IZ  
 Sample : H1303-09  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUPLICATE

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-BF012916.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         | 4.190       | 182           | 184         | 194          | rBV      | 261254         | 372109        | 6.68%           | 0.434%        |
| 2         | 4.887       | 241           | 245         | 248          | rBV      | 2549015        | 4722340       | 84.78%          | 5.502%        |
| 3         | 5.321       | 281           | 283         | 286          | rBV      | 4228387        | 4963670       | 89.11%          | 5.784%        |
| 4         | 5.721       | 316           | 318         | 321          | rVB      | 313849         | 307915        | 5.53%           | 0.359%        |
| 5         | 6.373       | 372           | 375         | 377          | rBV      | 4729587        | 5004062       | 89.83%          | 5.831%        |
| 6         | 6.499       | 383           | 386         | 388          | rVB      | 4415253        | 5570434       | 100.00%         | 6.491%        |
| 7         | 6.727       | 404           | 406         | 407          | rBV      | 957738         | 1201640       | 21.57%          | 1.400%        |
| 8         | 6.750       | 407           | 408         | 409          | rVB      | 148765         | 102053        | 1.83%           | 0.119%        |
| 9         | 6.876       | 417           | 419         | 421          | rVB      | 3533600        | 3674005       | 65.96%          | 4.281%        |
| 10        | 7.013       | 423           | 431         | 432          | rBV2     | 117275         | 267006        | 4.79%           | 0.311%        |
| 11        | 7.070       | 435           | 436         | 439          | rBV3     | 68407          | 96449         | 1.73%           | 0.112%        |
| 12        | 7.116       | 439           | 440         | 446          | rVB4     | 134579         | 217437        | 3.90%           | 0.253%        |
| 13        | 7.287       | 449           | 455         | 458          | rBV      | 2539204        | 3761457       | 67.53%          | 4.383%        |
| 14        | 7.379       | 460           | 463         | 465          | rBV3     | 134820         | 235543        | 4.23%           | 0.274%        |
| 15        | 7.447       | 468           | 469         | 471          | rVB      | 138422         | 104230        | 1.87%           | 0.121%        |
| 16        | 7.527       | 471           | 476         | 479          | rBV4     | 155923         | 351738        | 6.31%           | 0.410%        |
| 17        | 7.642       | 483           | 486         | 489          | rBV4     | 184923         | 359234        | 6.45%           | 0.419%        |
| 18        | 7.699       | 489           | 491         | 493          | rBV2     | 153090         | 186814        | 3.35%           | 0.218%        |
| 19        | 7.733       | 493           | 494         | 497          | rBV3     | 131974         | 287822        | 5.17%           | 0.335%        |
| 20        | 7.779       | 497           | 498         | 500          | rVB      | 119552         | 102831        | 1.85%           | 0.120%        |
| 21        | 7.836       | 500           | 503         | 505          | rVB4     | 134880         | 267211        | 4.80%           | 0.311%        |
| 22        | 7.973       | 512           | 515         | 516          | rBV2     | 145721         | 279555        | 5.02%           | 0.326%        |
| 23        | 8.007       | 516           | 518         | 520          | rVV      | 1948873        | 1753723       | 31.48%          | 2.043%        |
| 24        | 8.087       | 522           | 525         | 526          | rVB      | 462463         | 472109        | 8.48%           | 0.550%        |
| 25        | 8.179       | 531           | 533         | 534          | rBV2     | 119621         | 193971        | 3.48%           | 0.226%        |
| 26        | 8.213       | 534           | 536         | 538          | rVB3     | 150270         | 228204        | 4.10%           | 0.266%        |
| 27        | 8.259       | 538           | 540         | 542          | rBV3     | 70723          | 121873        | 2.19%           | 0.142%        |
| 28        | 8.305       | 542           | 544         | 548          | rVB5     | 236860         | 531293        | 9.54%           | 0.619%        |
| 29        | 8.362       | 548           | 549         | 551          | rBV2     | 180506         | 238730        | 4.29%           | 0.278%        |
| 30        | 8.396       | 551           | 552         | 554          | rVB2     | 194850         | 200786        | 3.60%           | 0.234%        |
| 31        | 8.442       | 554           | 556         | 561          | rBV      | 721265         | 987448        | 17.73%          | 1.151%        |
| 32        | 8.510       | 561           | 562         | 564          | rBV2     | 137191         | 160058        | 2.87%           | 0.186%        |
| 33        | 8.556       | 564           | 566         | 567          | rBV2     | 160627         | 193953        | 3.48%           | 0.226%        |
| 34        | 8.613       | 569           | 571         | 573          | rBV3     | 238309         | 343332        | 6.16%           | 0.400%        |

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 ALS Vial : 61 Sample Multiplier: 1

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 BNA\_F  
 ClientSampleId :  
 DUPLICATE

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-BF012916.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |          |         |         |        |        |
|----|--------|-----|-----|----------|---------|---------|--------|--------|
| 35 | 8.670  | 574 | 576 | 577 rVB2 | 192453  | 167020  | 3.00%  | 0.195% |
| 36 | 8.705  | 577 | 579 | 581 rVB  | 313137  | 438762  | 7.88%  | 0.511% |
| 37 | 8.773  | 581 | 585 | 587 rBV5 | 122928  | 366976  | 6.59%  | 0.428% |
| 38 | 8.830  | 587 | 590 | 594 rBV4 | 294988  | 533901  | 9.58%  | 0.622% |
| 39 | 8.922  | 594 | 598 | 599 rBV4 | 269047  | 580790  | 10.43% | 0.677% |
| 40 | 9.047  | 606 | 609 | 610 rBV  | 708022  | 787849  | 14.14% | 0.918% |
| 41 | 9.093  | 610 | 613 | 615 rVB  | 5482409 | 5367305 | 96.35% | 6.254% |
| 42 | 9.173  | 617 | 620 | 622 rBV2 | 490728  | 905547  | 16.26% | 1.055% |
| 43 | 9.230  | 622 | 625 | 628 rBV4 | 168291  | 400767  | 7.19%  | 0.467% |
| 44 | 9.287  | 628 | 630 | 633 rVB2 | 140023  | 203855  | 3.66%  | 0.238% |
| 45 | 9.345  | 633 | 635 | 638 rBV2 | 505530  | 758919  | 13.62% | 0.884% |
| 46 | 9.425  | 638 | 642 | 645 rBV3 | 680890  | 1304293 | 23.41% | 1.520% |
| 47 | 9.493  | 645 | 648 | 651 rBV2 | 1139162 | 1920005 | 34.47% | 2.237% |
| 48 | 9.550  | 651 | 653 | 655 rVB2 | 249378  | 335310  | 6.02%  | 0.391% |
| 49 | 9.619  | 657 | 659 | 662 rBV3 | 105081  | 254682  | 4.57%  | 0.297% |
| 50 | 9.676  | 662 | 664 | 665 rVB2 | 288072  | 245685  | 4.41%  | 0.286% |
| 51 | 9.710  | 665 | 667 | 668 rBV  | 496567  | 550956  | 9.89%  | 0.642% |
| 52 | 9.756  | 668 | 671 | 673 rBV  | 1501850 | 2162153 | 38.81% | 2.519% |
| 53 | 9.802  | 673 | 675 | 679 rVB5 | 110651  | 218474  | 3.92%  | 0.255% |
| 54 | 9.870  | 679 | 681 | 683 rVB  | 430141  | 649603  | 11.66% | 0.757% |
| 55 | 9.962  | 683 | 689 | 691 rBV  | 786750  | 1508358 | 27.08% | 1.758% |
| 56 | 10.008 | 691 | 693 | 694 rBV  | 293469  | 332375  | 5.97%  | 0.387% |
| 57 | 10.030 | 694 | 695 | 697 rVB2 | 502659  | 420969  | 7.56%  | 0.491% |
| 58 | 10.076 | 697 | 699 | 700 rBV2 | 331657  | 401042  | 7.20%  | 0.467% |
| 59 | 10.168 | 705 | 707 | 708 rBV2 | 195364  | 268812  | 4.83%  | 0.313% |
| 60 | 10.202 | 708 | 710 | 712 rVV  | 425530  | 418011  | 7.50%  | 0.487% |
| 61 | 10.305 | 717 | 719 | 720 rBV  | 258911  | 276842  | 4.97%  | 0.323% |
| 62 | 10.328 | 720 | 721 | 723 rVV2 | 289009  | 421443  | 7.57%  | 0.491% |
| 63 | 10.373 | 723 | 725 | 726 rVV2 | 246089  | 281779  | 5.06%  | 0.328% |
| 64 | 10.419 | 727 | 729 | 731 rVV  | 938884  | 1338646 | 24.03% | 1.560% |
| 65 | 10.476 | 731 | 734 | 735 rVB2 | 245239  | 363756  | 6.53%  | 0.424% |
| 66 | 10.510 | 735 | 737 | 738 rBV  | 174128  | 163412  | 2.93%  | 0.190% |
| 67 | 10.545 | 738 | 740 | 742 rVB2 | 2707737 | 3695904 | 66.35% | 4.306% |
| 68 | 10.579 | 742 | 743 | 747 rVB4 | 151972  | 291250  | 5.23%  | 0.339% |
| 69 | 10.693 | 750 | 753 | 755 rBV  | 1465688 | 2192469 | 39.36% | 2.555% |
| 70 | 10.750 | 756 | 758 | 759 rVB2 | 145376  | 153255  | 2.75%  | 0.179% |
| 71 | 10.876 | 767 | 769 | 776 rVB6 | 378814  | 989906  | 17.77% | 1.153% |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUPLICATE

Integration Parameters: rteint.p  
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 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-BF012916.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 11.002 | 778  | 780  | 783  | rVB3 | 207690  | 308325  | 5.54%  | 0.359% |
| 73  | 11.048 | 783  | 784  | 786  | rVB3 | 120654  | 109552  | 1.97%  | 0.128% |
| 74  | 11.128 | 786  | 791  | 792  | rBV3 | 334684  | 686376  | 12.32% | 0.800% |
| 75  | 11.151 | 792  | 793  | 796  | rVB  | 1079210 | 1071525 | 19.24% | 1.249% |
| 76  | 11.242 | 799  | 801  | 802  | rBV  | 1704028 | 1582875 | 28.42% | 1.844% |
| 77  | 11.265 | 802  | 803  | 804  | rVB  | 247933  | 170082  | 3.05%  | 0.198% |
| 78  | 11.299 | 804  | 806  | 808  | rVB2 | 110624  | 157284  | 2.82%  | 0.183% |
| 79  | 11.356 | 809  | 811  | 813  | rBV2 | 126779  | 194416  | 3.49%  | 0.227% |
| 80  | 11.505 | 822  | 824  | 825  | rVB  | 233708  | 244811  | 4.39%  | 0.285% |
| 81  | 11.551 | 826  | 828  | 831  | rBV2 | 301362  | 374810  | 6.73%  | 0.437% |
| 82  | 11.745 | 840  | 845  | 846  | rBV2 | 197712  | 488509  | 8.77%  | 0.569% |
| 83  | 11.768 | 846  | 847  | 849  | rVV  | 368471  | 368743  | 6.62%  | 0.430% |
| 84  | 11.848 | 852  | 854  | 859  | rVB4 | 244946  | 616815  | 11.07% | 0.719% |
| 85  | 11.951 | 859  | 863  | 867  | rVB3 | 249447  | 474558  | 8.52%  | 0.553% |
| 86  | 12.111 | 875  | 877  | 880  | rVB3 | 104755  | 163058  | 2.93%  | 0.190% |
| 87  | 12.179 | 881  | 883  | 885  | rVV2 | 130380  | 221217  | 3.97%  | 0.258% |
| 88  | 12.236 | 885  | 888  | 891  | rVV3 | 203787  | 414049  | 7.43%  | 0.482% |
| 89  | 12.293 | 891  | 893  | 894  | rVV  | 259261  | 337962  | 6.07%  | 0.394% |
| 90  | 12.339 | 896  | 897  | 899  | rVV  | 206487  | 200971  | 3.61%  | 0.234% |
| 91  | 12.408 | 902  | 903  | 905  | rVB  | 119252  | 114377  | 2.05%  | 0.133% |
| 92  | 12.659 | 924  | 925  | 927  | rVB2 | 184856  | 149340  | 2.68%  | 0.174% |
| 93  | 12.831 | 937  | 940  | 942  | rVB  | 4595966 | 4876644 | 87.55% | 5.682% |
| 94  | 13.071 | 959  | 961  | 962  | rVV  | 84840   | 95904   | 1.72%  | 0.112% |
| 95  | 13.105 | 962  | 964  | 970  | rVB3 | 77472   | 178836  | 3.21%  | 0.208% |
| 96  | 13.368 | 984  | 987  | 988  | rVB  | 95838   | 123665  | 2.22%  | 0.144% |
| 97  | 13.745 | 1017 | 1020 | 1028 | rVV3 | 107877  | 285887  | 5.13%  | 0.333% |
| 98  | 13.871 | 1028 | 1031 | 1033 | rVB  | 1104259 | 1192396 | 21.41% | 1.389% |
| 99  | 14.717 | 1102 | 1105 | 1107 | rVB  | 114169  | 110153  | 1.98%  | 0.128% |
| 100 | 15.254 | 1149 | 1152 | 1154 | rBV  | 761217  | 977292  | 17.54% | 1.139% |

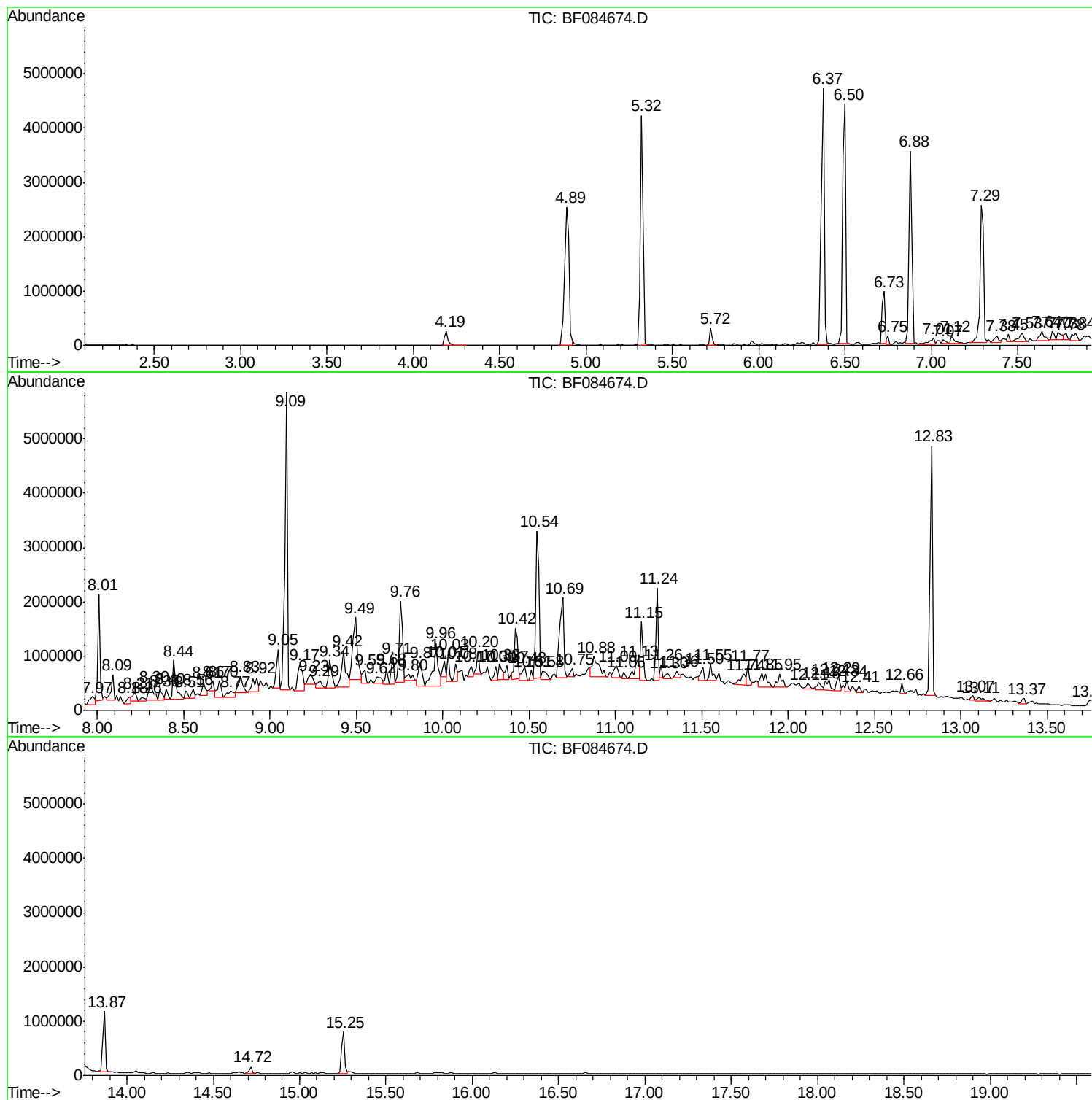
Sum of corrected areas: 85822548

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ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.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\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

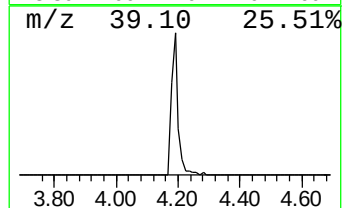
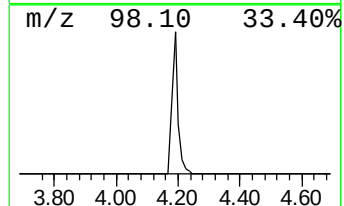
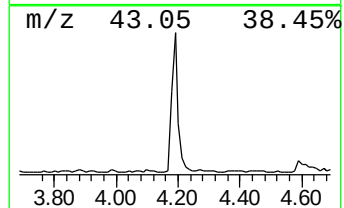
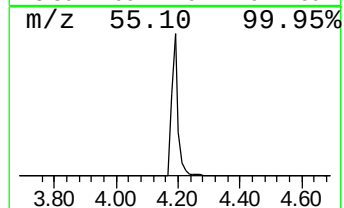
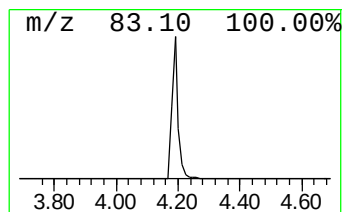
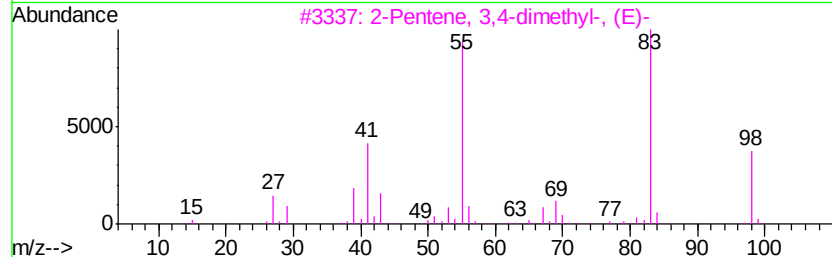
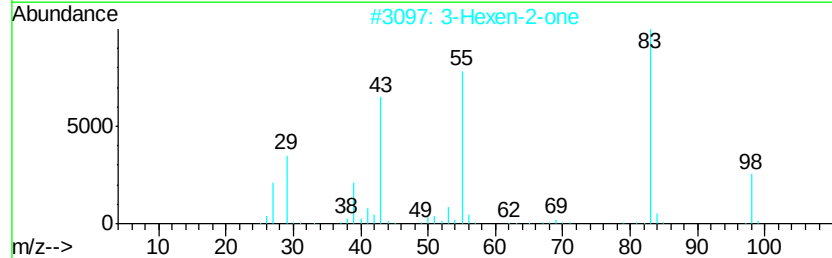
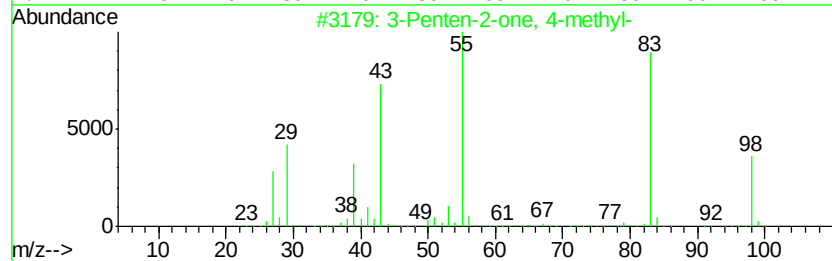
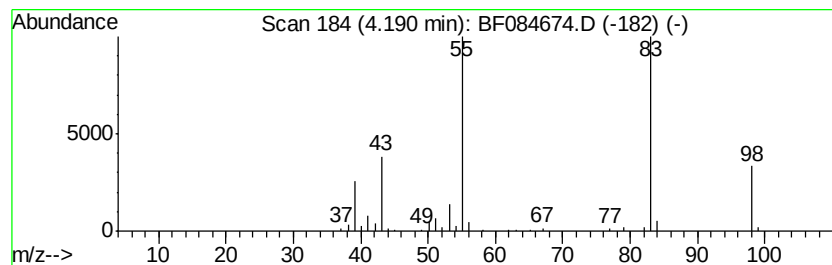
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.19 | 6.19 ng | 372109 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|----|---------|-------------|------|
| 1    |    |   | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |    |   | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 91   |
| 3    |    |   | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 86   |
| 4    |    |   | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 86   |
| 5    |    |   | 2-Pentene, 3,4-dimethyl-, (Z)- | 98 | C7H14   | 004914-91-4 | 78   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

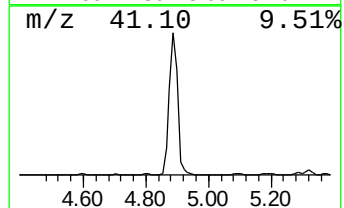
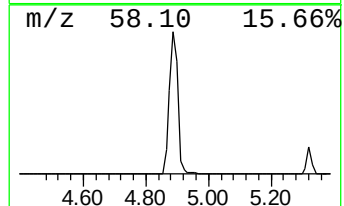
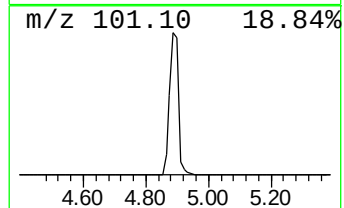
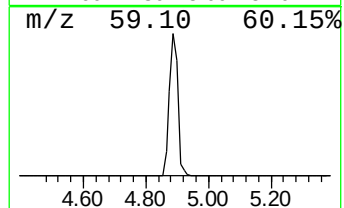
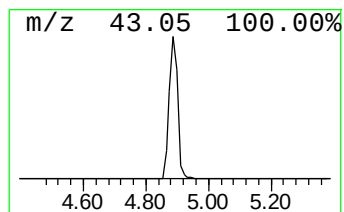
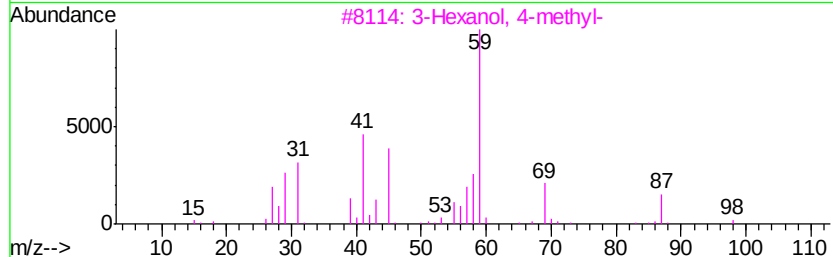
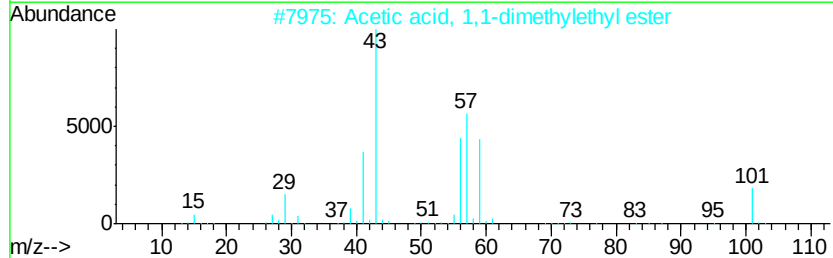
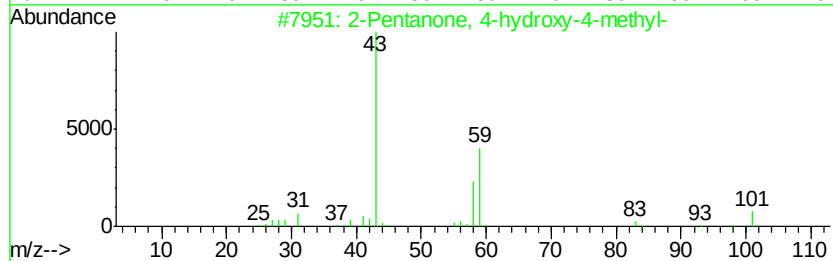
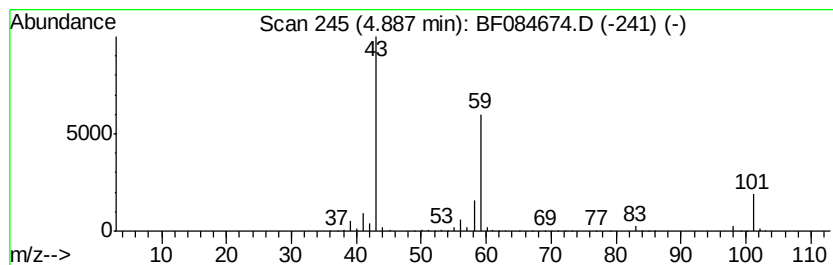
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.89 | 78.60 ng | 4722340 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 33   |
| 5    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

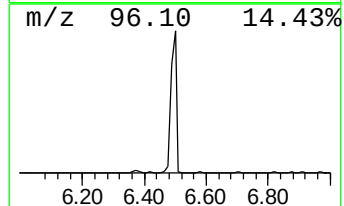
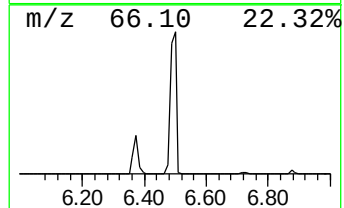
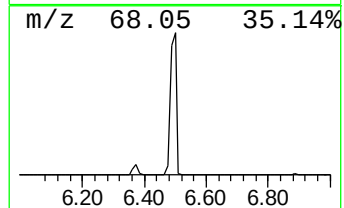
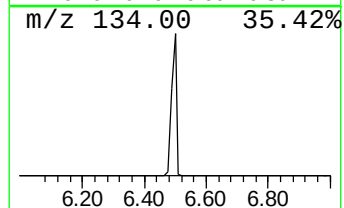
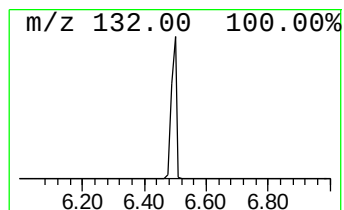
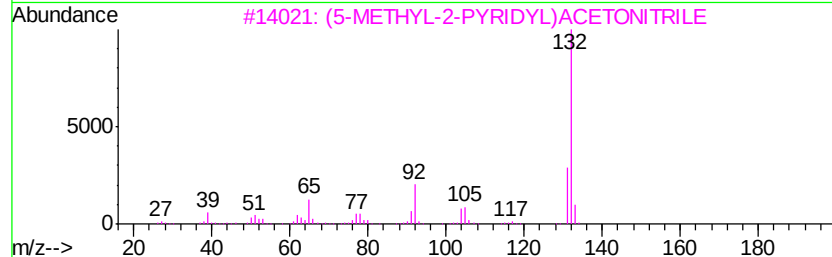
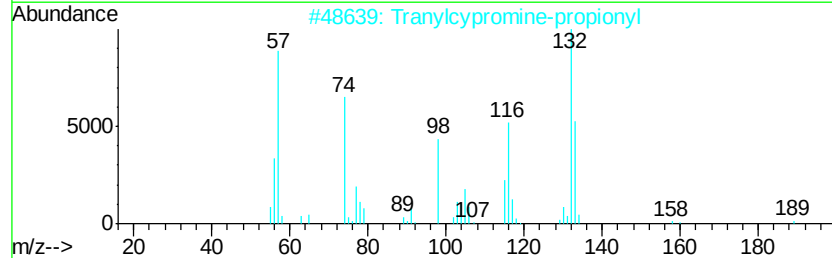
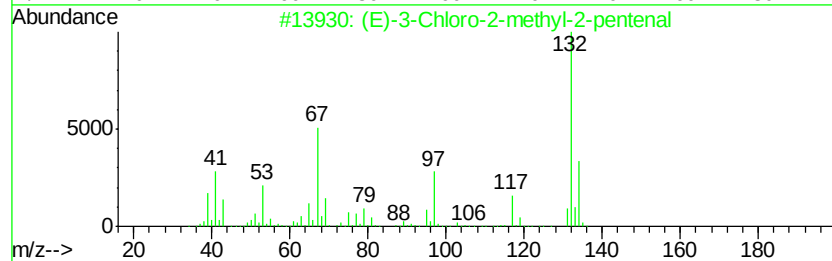
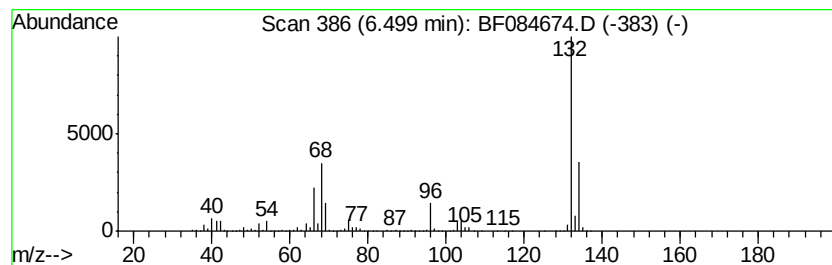
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.50 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.50 | 92.71 ng | 5570430 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 3    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE    | 132 | C8H8N2    | 1000241-93-9 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

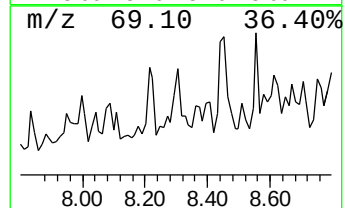
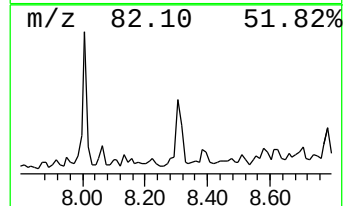
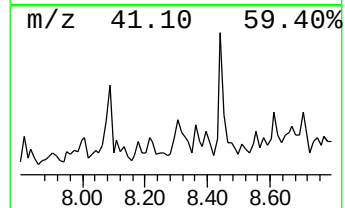
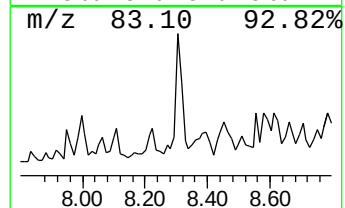
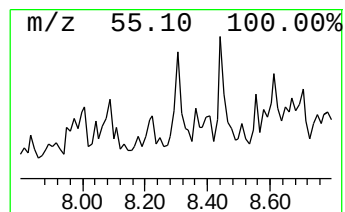
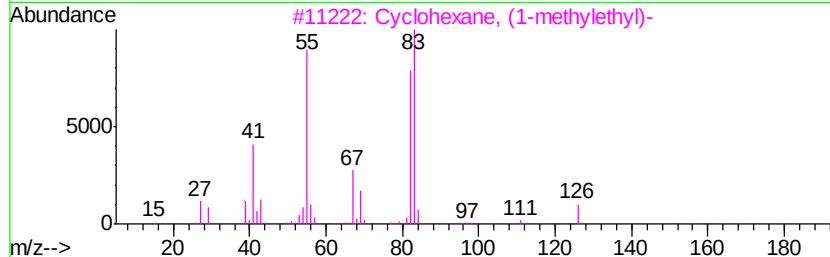
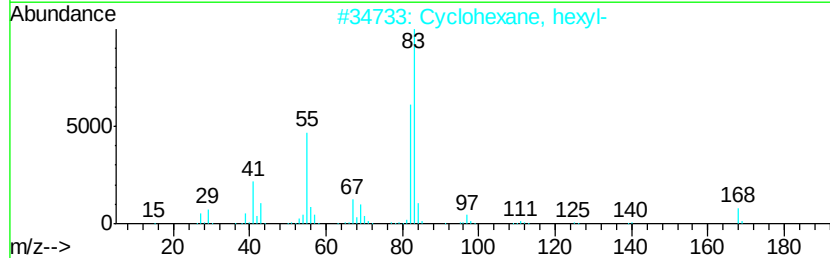
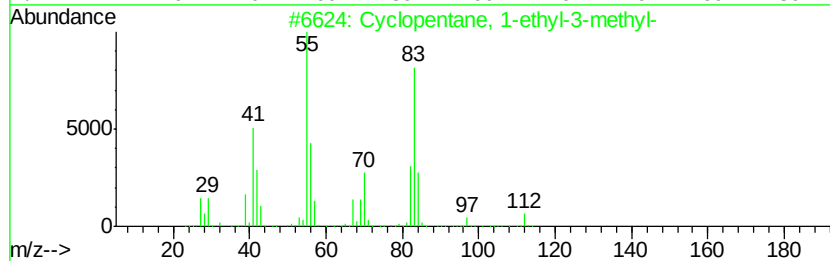
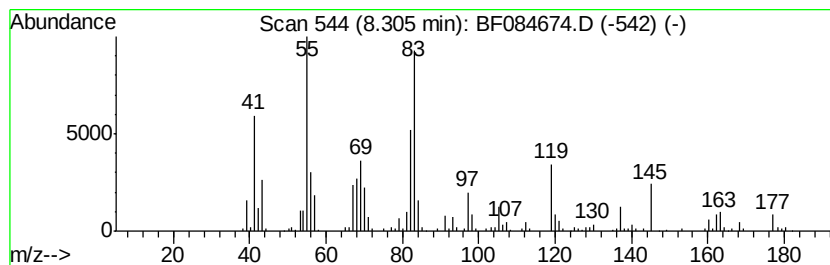
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown8.30 Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.30 | 6.06 ng | 531293 | Napthalene-d8    | 8.01 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1-ethyl-3-methyl- | 112 | C8H16   | 003726-47-4 | 43   |
| 2    |    | Cyclohexane, hexyl-             | 168 | C12H24  | 004292-75-5 | 43   |
| 3    |    | Cyclohexane, (1-methylethyl)-   | 126 | C9H18   | 000696-29-7 | 43   |
| 4    |    | Cyclohexane, (4-methylpentyl)-  | 168 | C12H24  | 061142-20-9 | 43   |
| 5    |    | Cyclohexane, ethyl-             | 112 | C8H16   | 001678-91-7 | 38   |





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Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

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

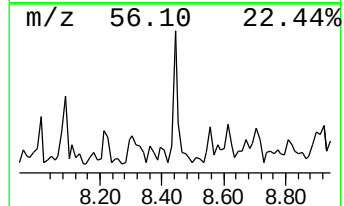
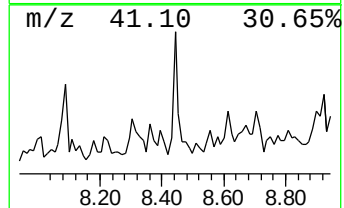
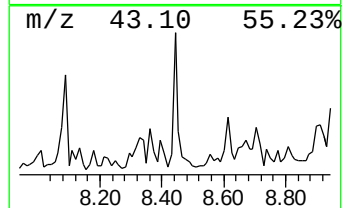
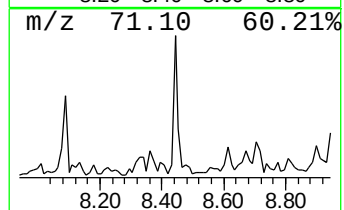
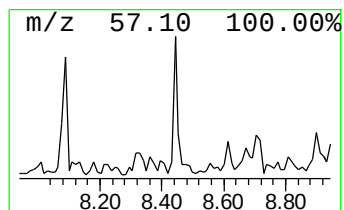
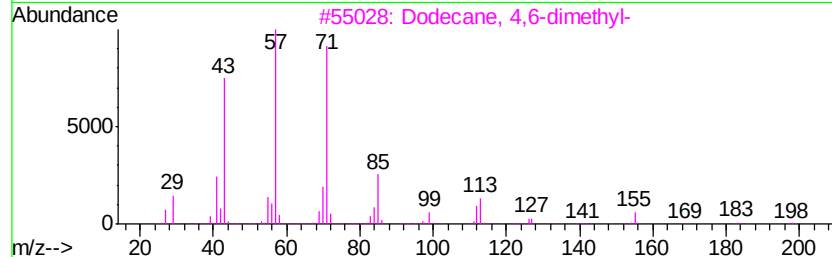
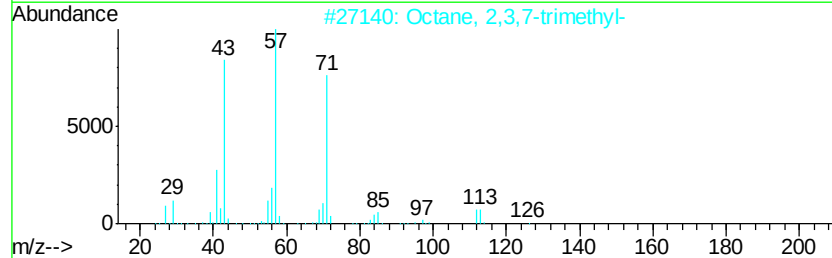
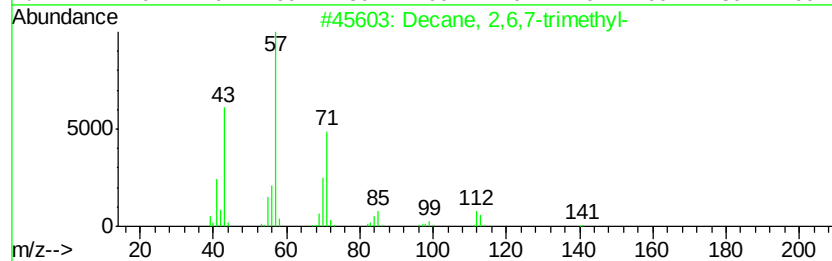
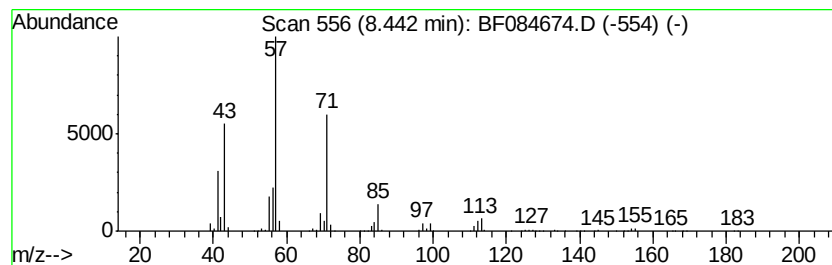
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Decane, 2,6,7-trimethyl- Concentration Rank 10

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.44 | 11.26 ng | 987448 | Naphthalene-d8   | 8.01 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2,6,7-trimethyl- | 184 | C13H28  | 062108-25-2 | 78   |
| 2    |    | Octane, 2,3,7-trimethyl- | 156 | C11H24  | 062016-34-6 | 50   |
| 3    |    | Dodecane, 4,6-dimethyl-  | 198 | C14H30  | 061141-72-8 | 50   |
| 4    |    | Decane, 2,6,6-trimethyl- | 184 | C13H28  | 062108-24-1 | 47   |
| 5    |    | Butane, 2,2-dimethyl-    | 86  | C6H14   | 000075-83-2 | 43   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
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Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

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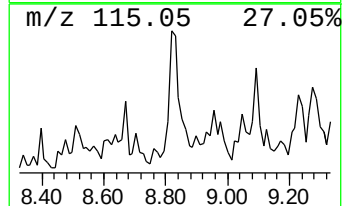
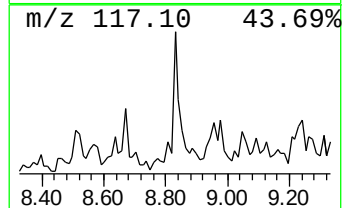
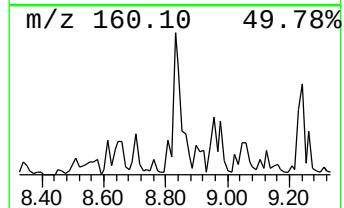
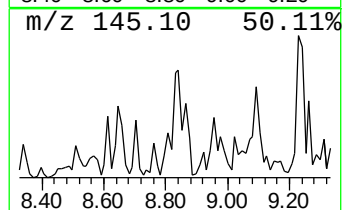
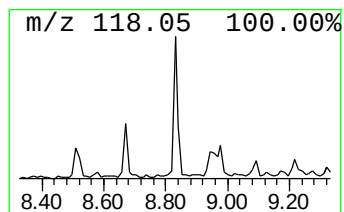
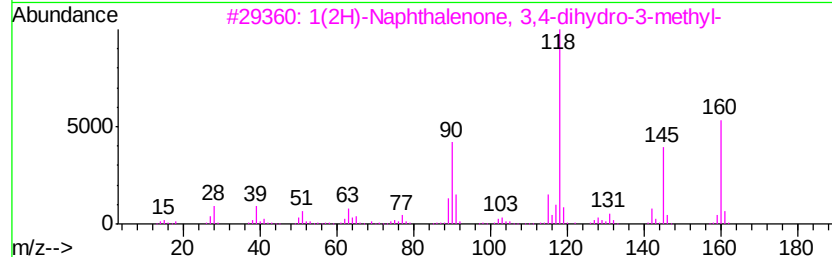
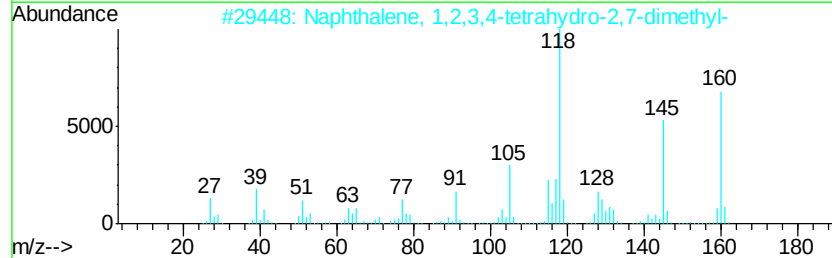
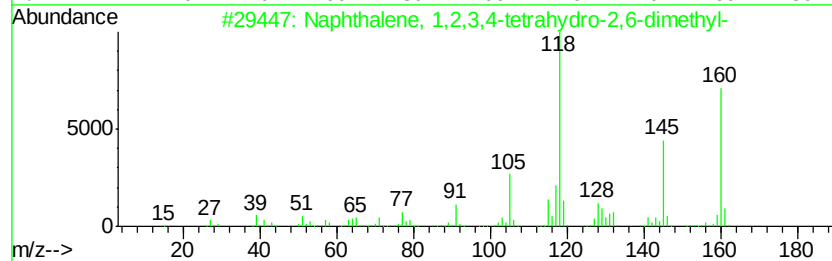
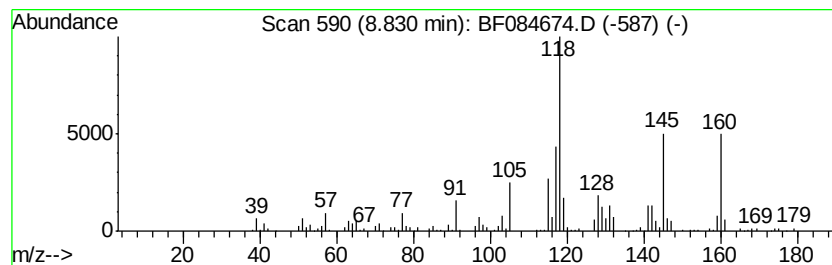
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 17

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.83 | 6.09 ng | 533901 | Naphthalene-d8   | 8.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 007524-63-2  | 94   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 013065-07-1  | 94   |
| 3    |    | 1(2H)-Naphthalenone, 3,4-dihydro... | 160 | C11H12O  | 014944-23-1  | 70   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 004175-54-6  | 52   |
| 5    |    | Diboroxide, trimethylphenyl-        | 160 | C9H14B2O | 1000162-60-0 | 46   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

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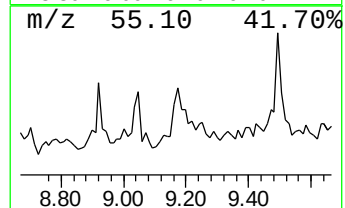
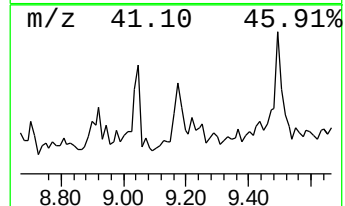
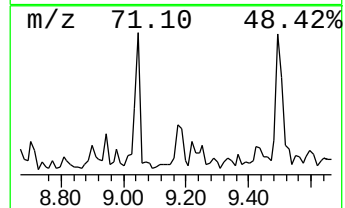
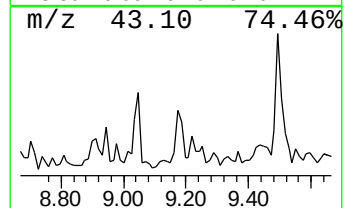
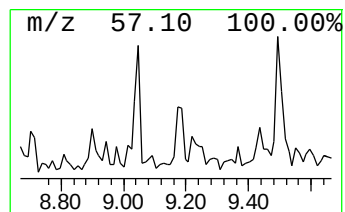
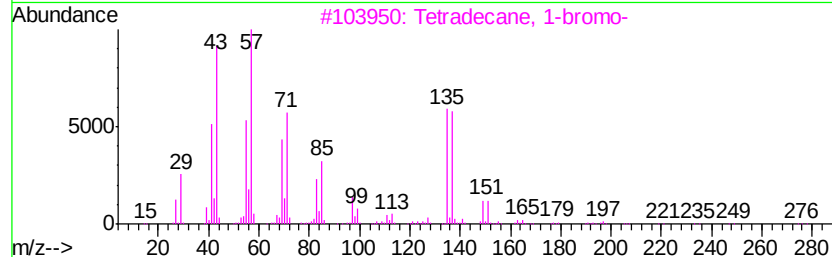
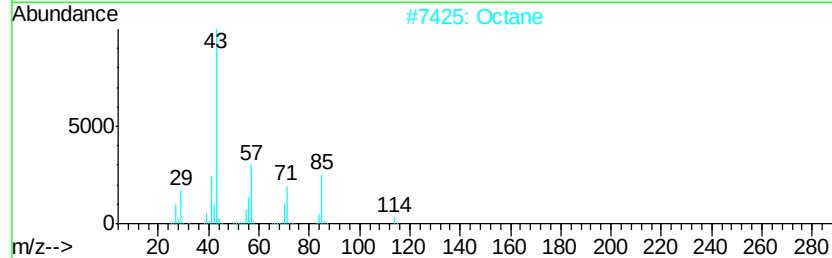
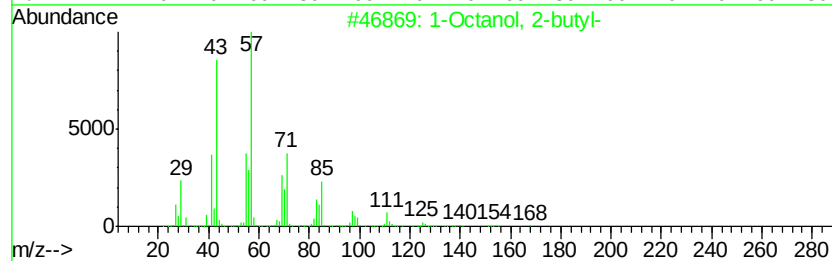
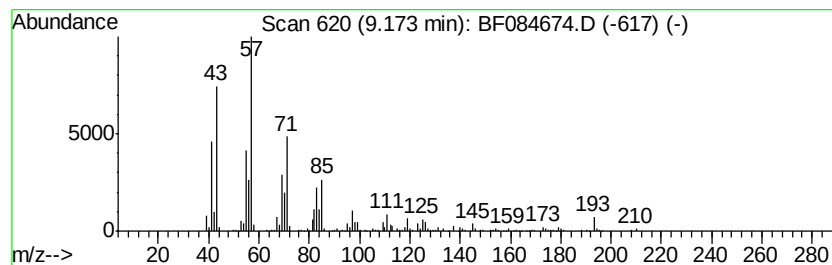
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Octanol, 2-butyl- Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.17 | 8.38 ng | 905547 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | 1-Octanol, 2-butyl-   | 186 | C12H26O  | 003913-02-8 | 86   |
| 2    |    | Octane                | 114 | C8H18    | 000111-65-9 | 58   |
| 3    |    | Tetradecane, 1-bromo- | 276 | C14H29Br | 000112-71-0 | 53   |
| 4    |    | 1-Heptanol, 2-propyl- | 158 | C10H22O  | 010042-59-8 | 53   |
| 5    |    | Decane                | 142 | C10H22   | 000124-18-5 | 53   |



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Misc :  
ALS Vial : 61 Sample Multiplier: 1

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

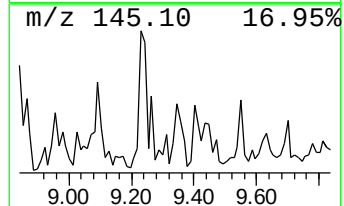
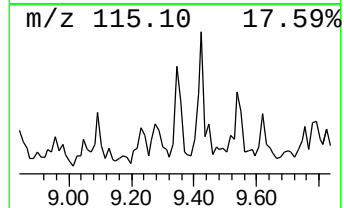
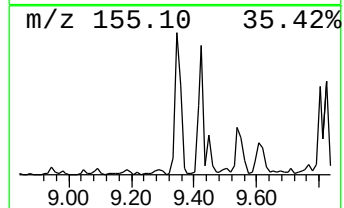
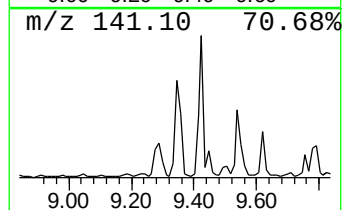
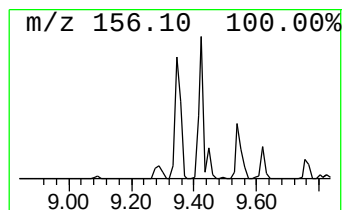
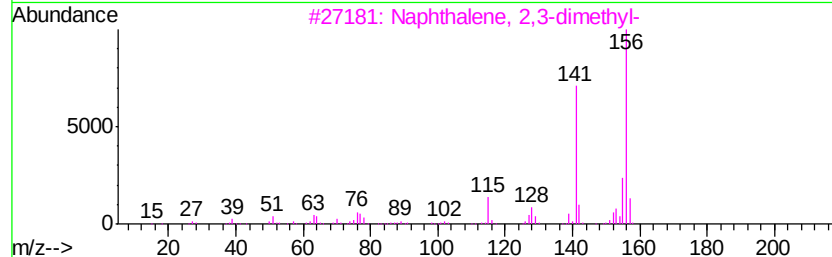
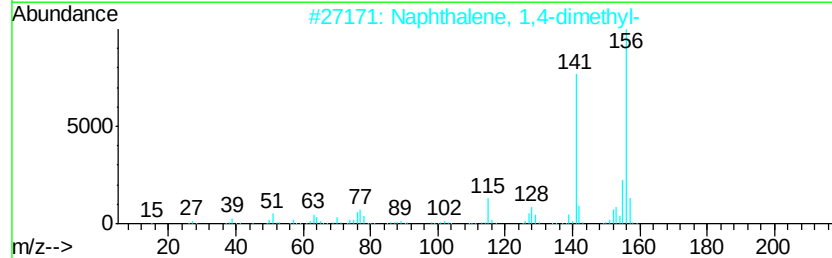
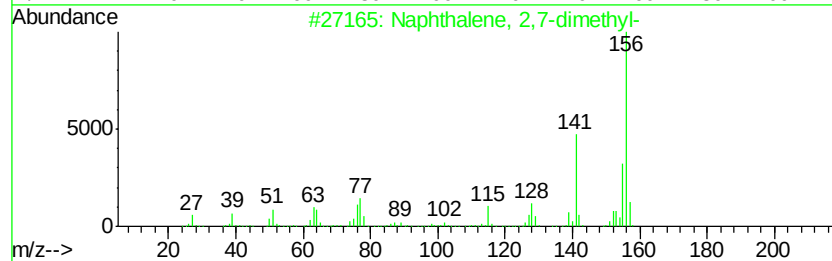
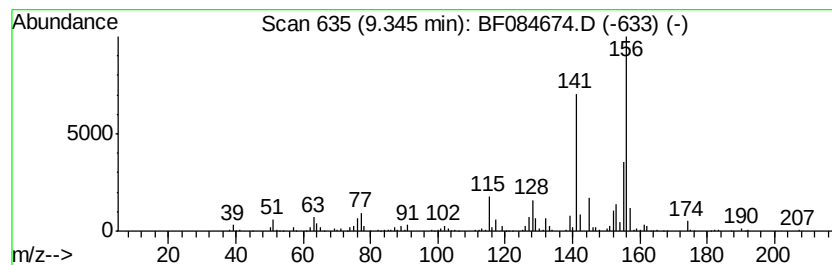
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.34 | 7.02 ng | 758919 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 4    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |
| 5    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013016\  
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Acq On : 30 Jan 2016 9:46  
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Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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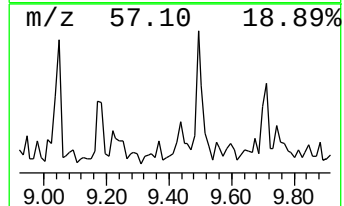
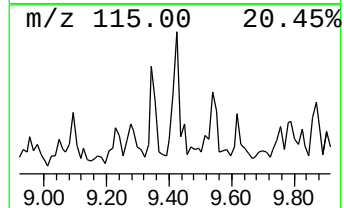
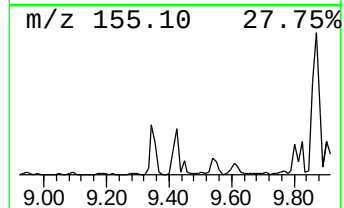
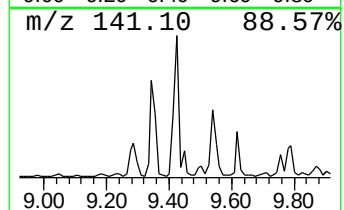
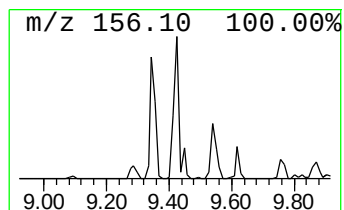
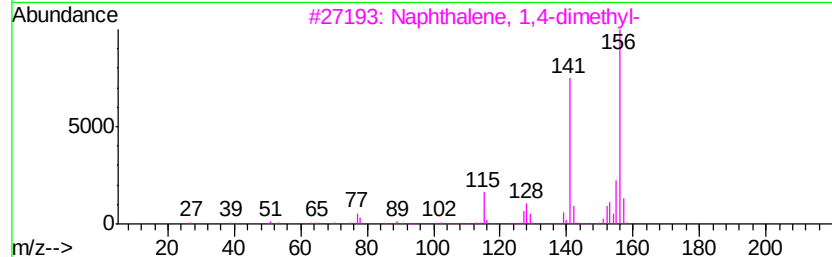
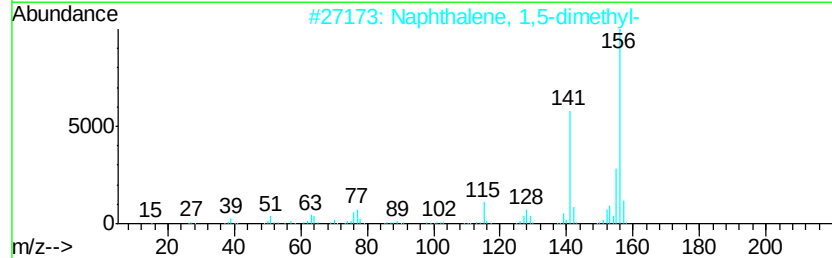
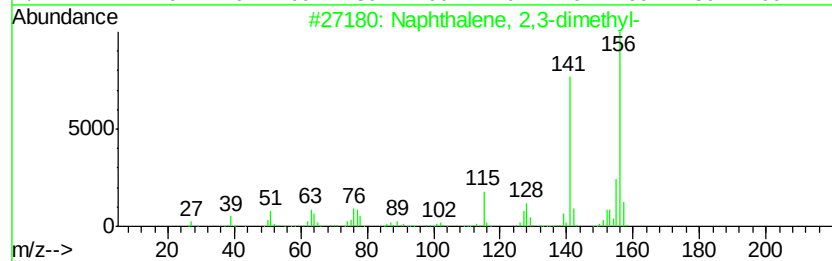
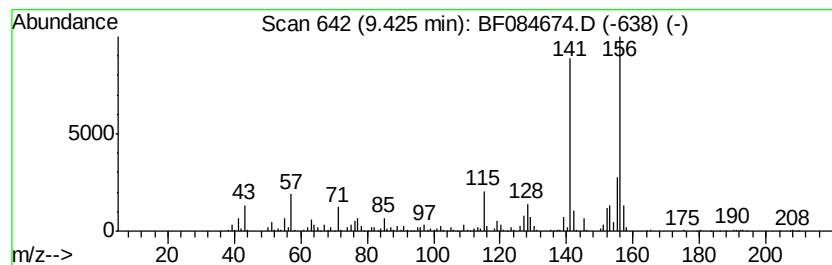
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.42 | 12.06 ng | 1304290 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 5    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

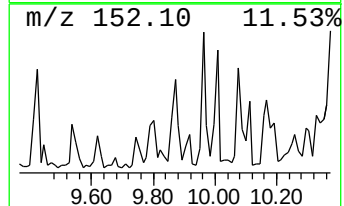
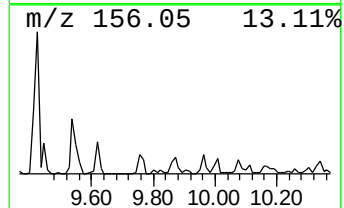
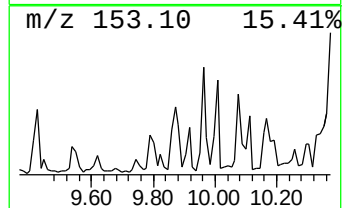
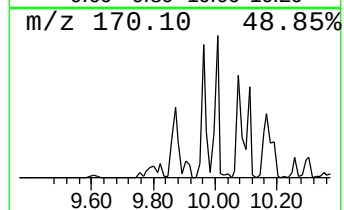
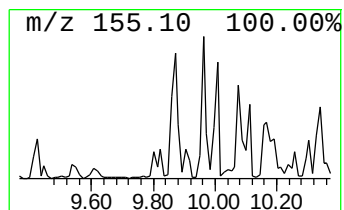
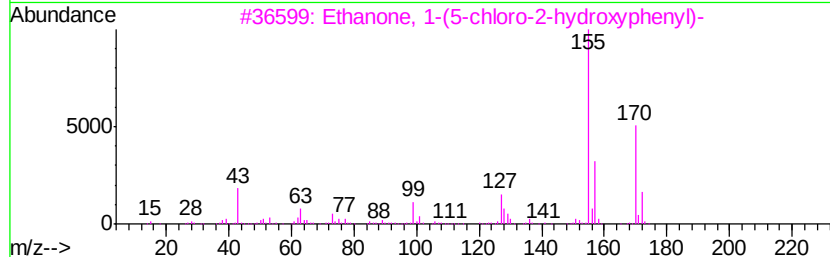
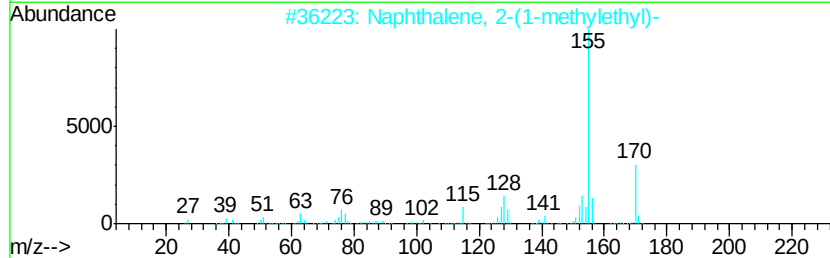
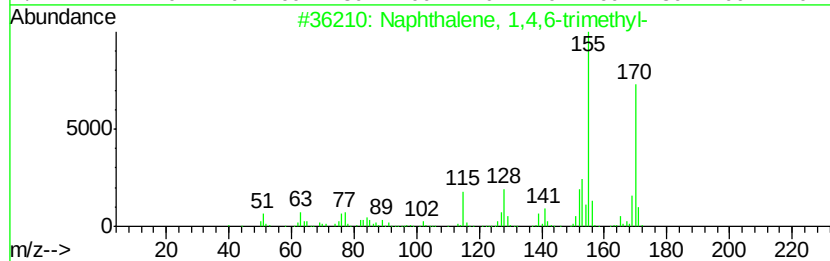
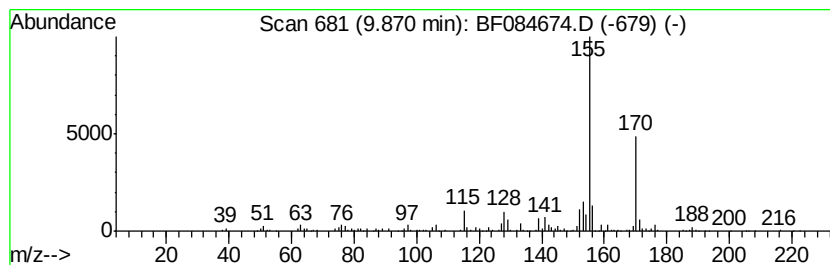
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.87 | 6.01 ng | 649603 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,4,6-trimethyl-        | 170 | C13H14   | 002131-42-2 | 93   |
| 2    |    | Naphthalene, 2-(1-methylethyl)-      | 170 | C13H14   | 002027-17-0 | 91   |
| 3    |    | Ethanone, 1-(5-chloro-2-hydroxyph... | 170 | C8H7ClO2 | 001450-74-4 | 80   |
| 4    |    | Naphthalene, 1,6,7-trimethyl-        | 170 | C13H14   | 002245-38-7 | 76   |
| 5    |    | 2-Naphthyl methyl ketone             | 170 | C12H10O  | 000093-08-3 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

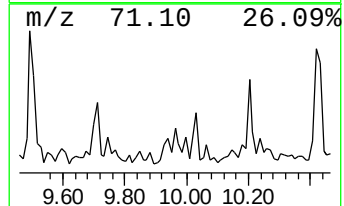
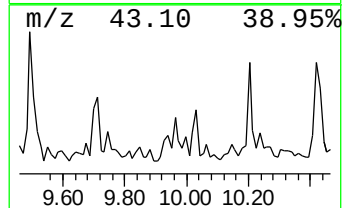
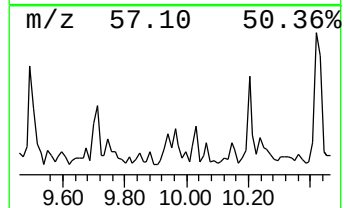
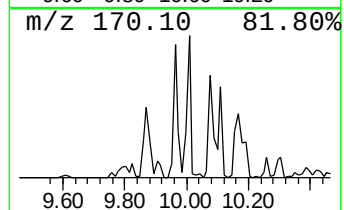
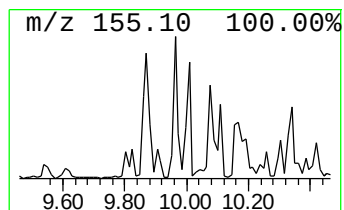
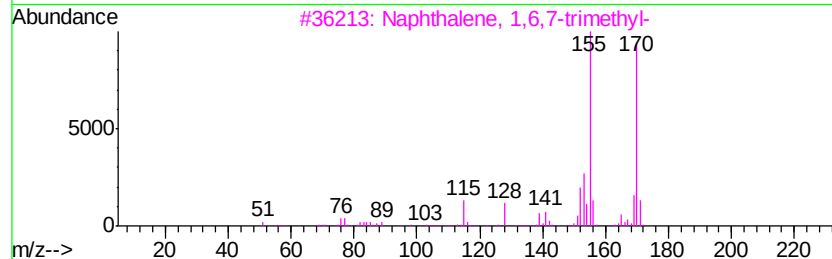
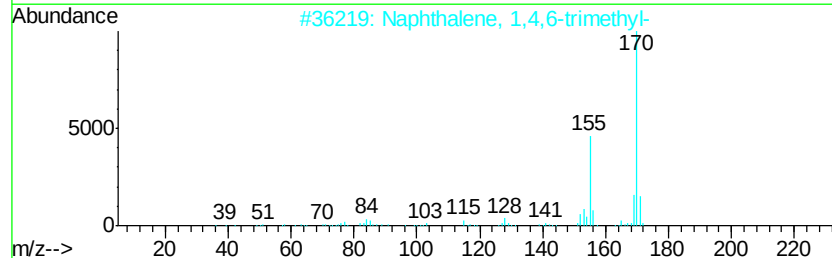
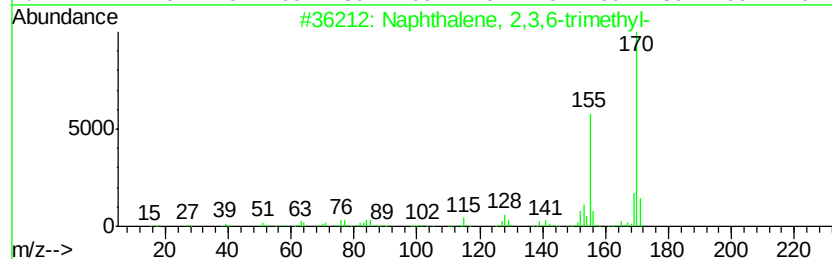
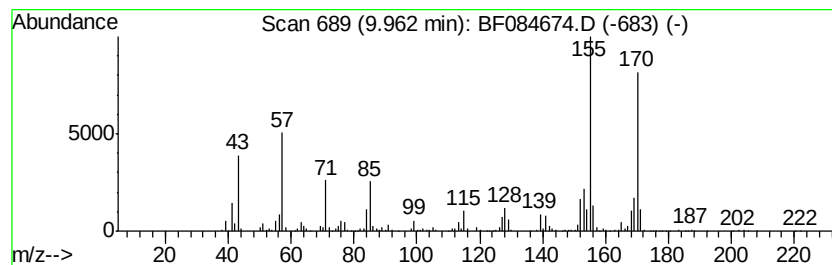
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.96 | 13.95 ng | 1508360 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 97   |
| 2    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 96   |
| 3    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 95   |
| 4    |    | Azulene, 4,6,8-trimethyl-       | 170 | C13H14  | 000941-81-1  | 91   |
| 5    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

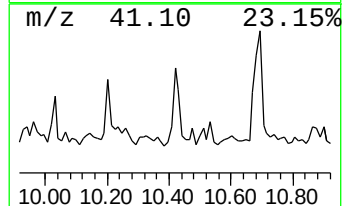
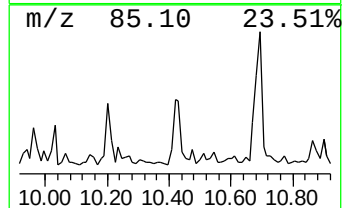
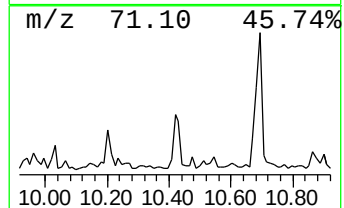
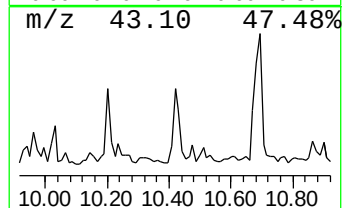
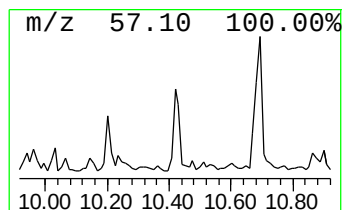
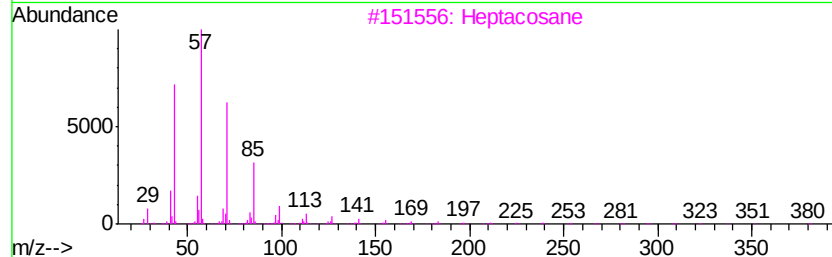
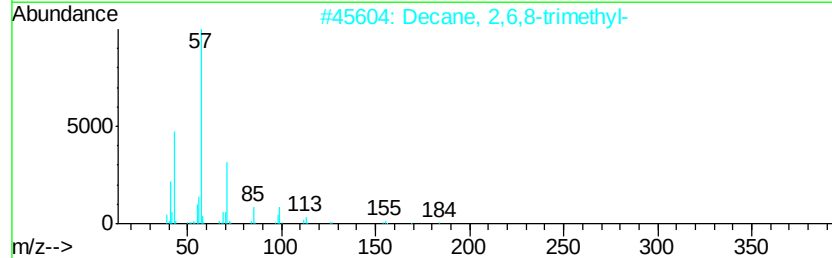
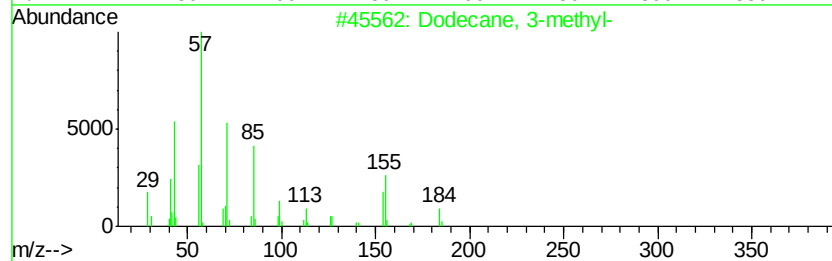
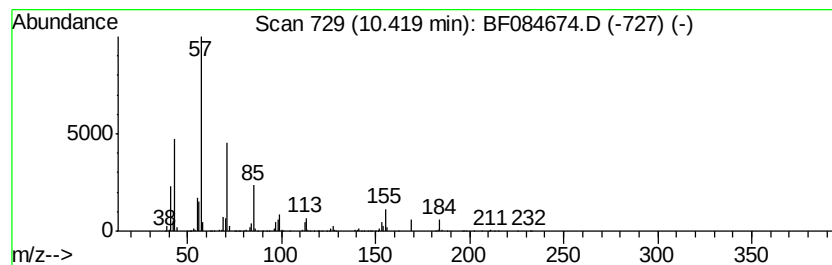
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Dodecane, 3-methyl- Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.42 | 12.38 ng | 1338650 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 3-methyl-      | 184 | C13H28  | 017312-57-1 | 80   |
| 2    |    | Decane, 2,6,8-trimethyl- | 184 | C13H28  | 062108-26-3 | 64   |
| 3    |    | Heptacosane              | 380 | C27H56  | 000593-49-7 | 64   |
| 4    |    | 3,5-Dimethyldodecane     | 198 | C14H30  | 107770-99-0 | 55   |
| 5    |    | Octacosane               | 394 | C28H58  | 000630-02-4 | 52   |





Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

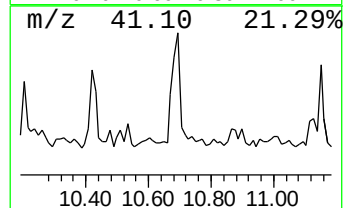
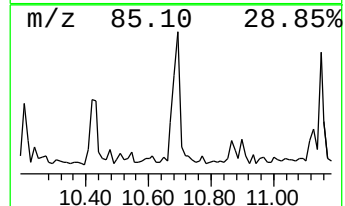
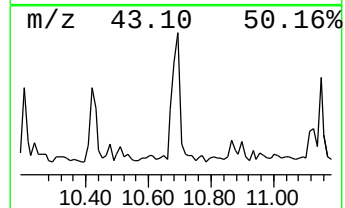
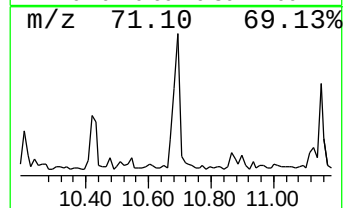
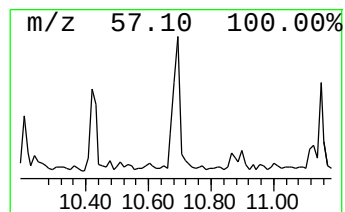
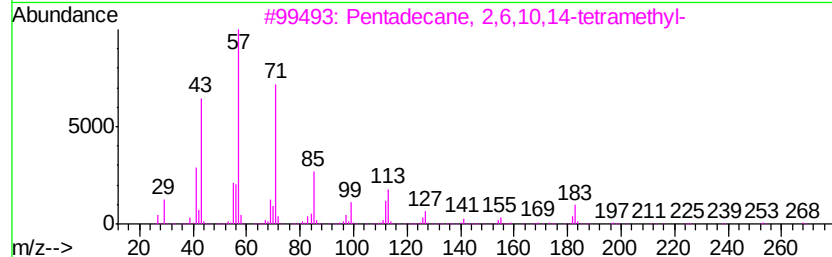
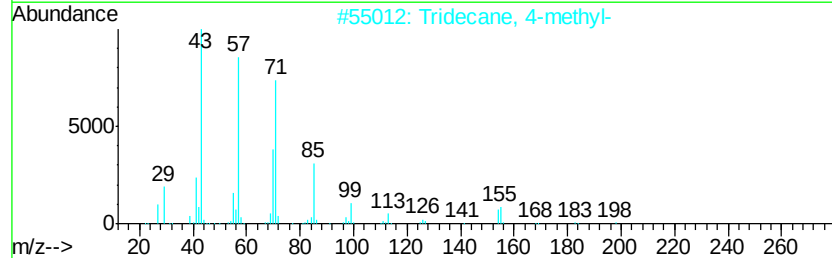
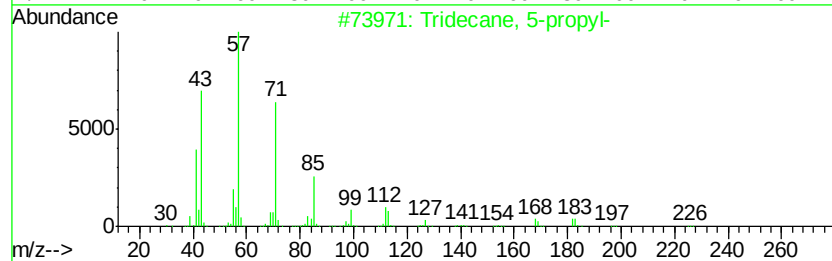
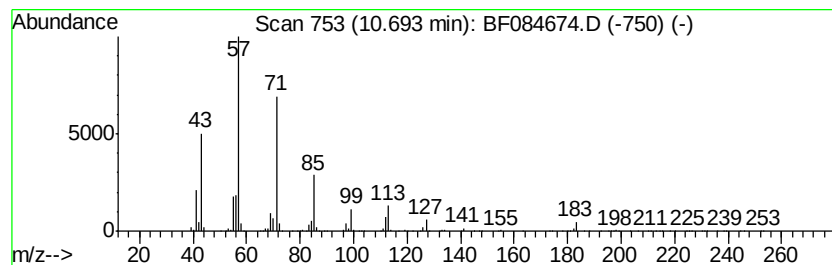
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Tridecane, 5-propyl- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.69 | 27.70 ng | 2192470 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 94   |
| 2    |    | Tridecane, 4-methyl-                | 198 | C14H30  | 026730-12-1 | 87   |
| 3    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 86   |
| 4    |    | Tridecane, 2-methyl-                | 198 | C14H30  | 001560-96-9 | 81   |
| 5    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32  | 074645-98-0 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

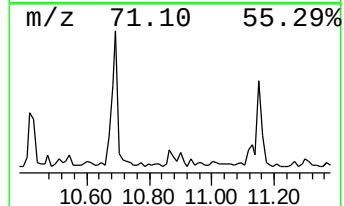
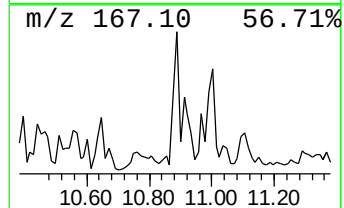
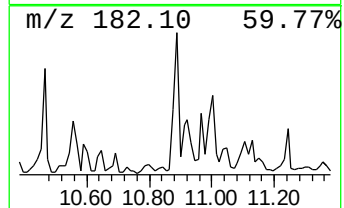
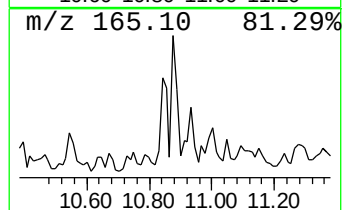
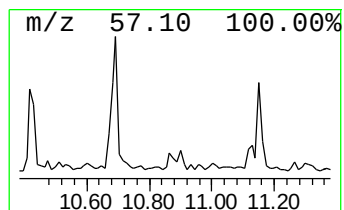
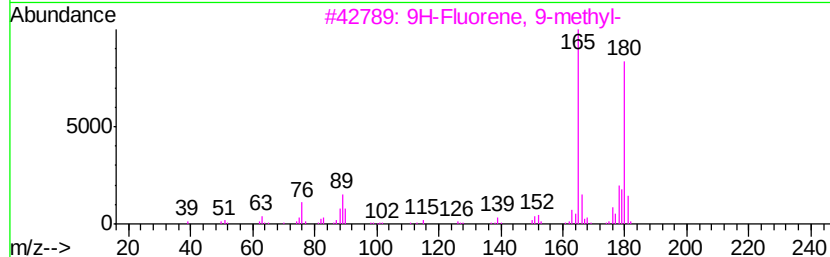
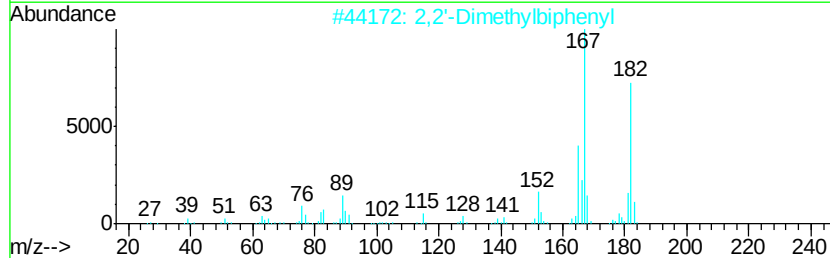
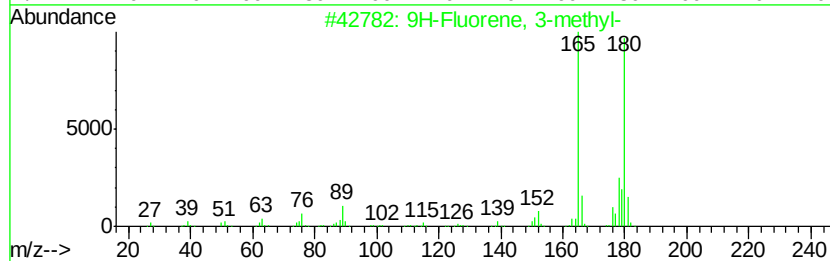
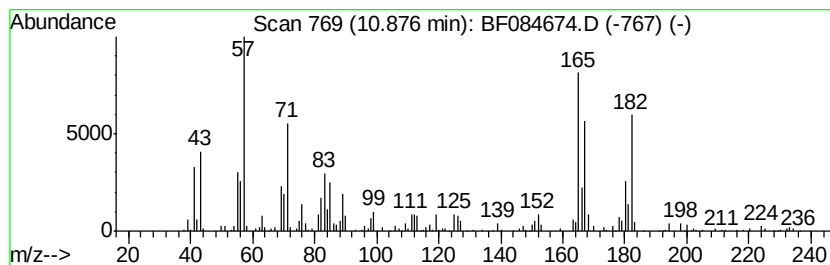
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown10.88 Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.88 | 12.51 ng | 989906 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | 9H-Fluorene, 3-methyl-        | 180 | C14H12  | 002523-39-9 | 42   |
| 2    |    | 2,2'-Dimethylbiphenyl         | 182 | C14H14  | 000605-39-0 | 42   |
| 3    |    | 9H-Fluorene, 9-methyl-        | 180 | C14H12  | 002523-37-7 | 38   |
| 4    |    | 9H-Fluorene, 2-methyl-        | 180 | C14H12  | 001430-97-3 | 30   |
| 5    |    | 1,1'-Biphenyl, 2,3'-dimethyl- | 182 | C14H14  | 000611-43-8 | 30   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

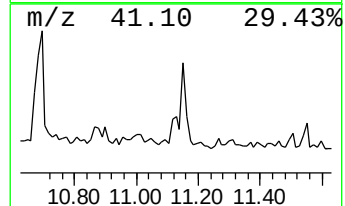
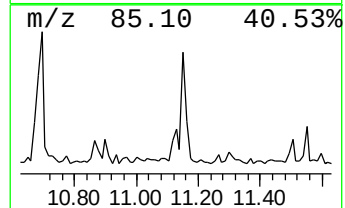
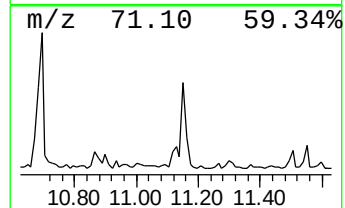
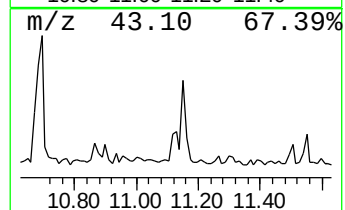
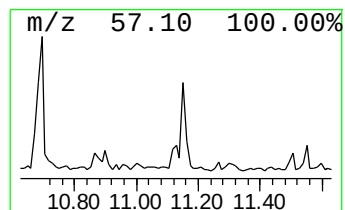
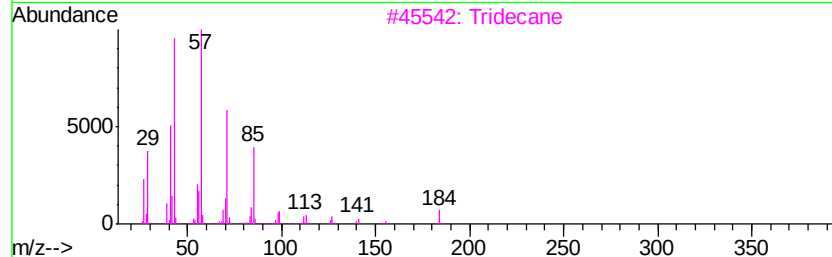
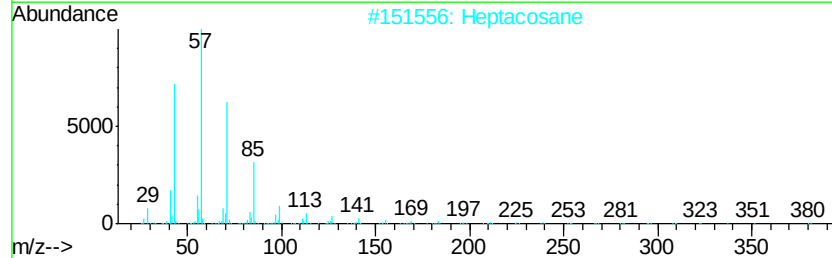
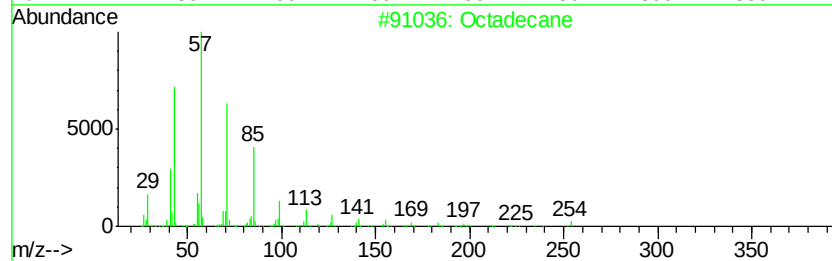
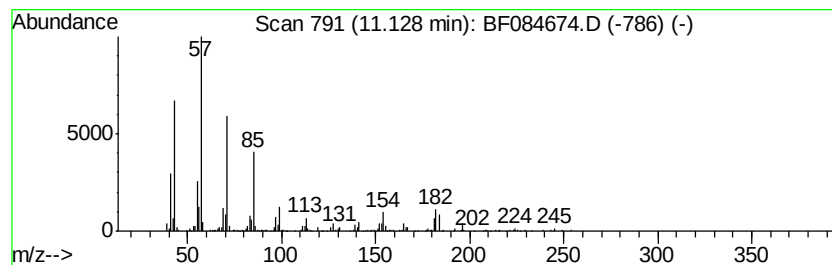
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BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012916.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 Octadecane Concentration Rank 11

| R.T.      | EstConc              | Area   | Relative to ISTD |             | R.T.  |
|-----------|----------------------|--------|------------------|-------------|-------|
| 11.13     | 8.67 ng              | 686376 | Phenanthrene-d10 |             | 11.24 |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual  |
| 1         | Octadecane           | 254    | C18H38           | 000593-45-3 | 95    |
| 2         | Heptacosane          | 380    | C27H56           | 000593-49-7 | 76    |
| 3         | Tridecane            | 184    | C13H28           | 000629-50-5 | 74    |
| 4         | Eicosane, 10-methyl- | 296    | C21H44           | 054833-23-7 | 72    |
| 5         | Pentadecane          | 212    | C15H32           | 000629-62-9 | 68    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

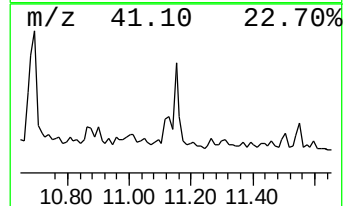
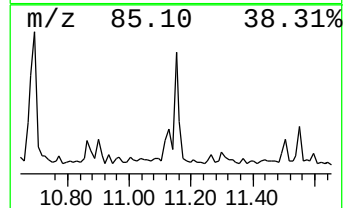
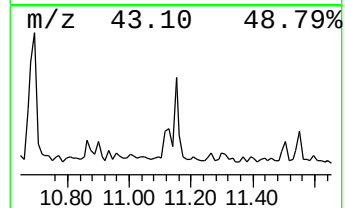
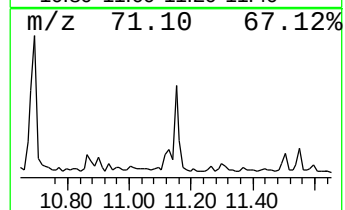
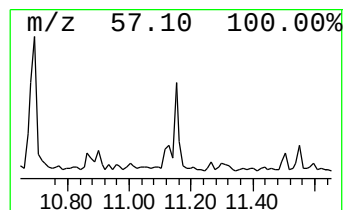
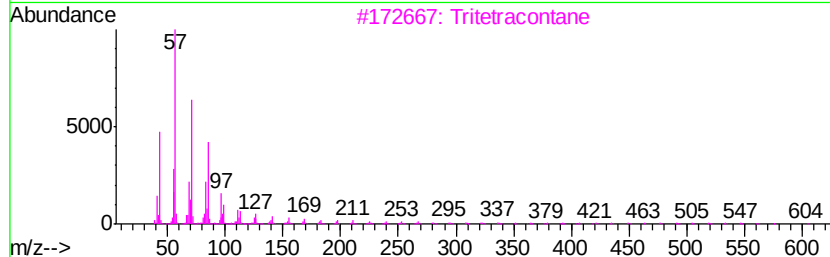
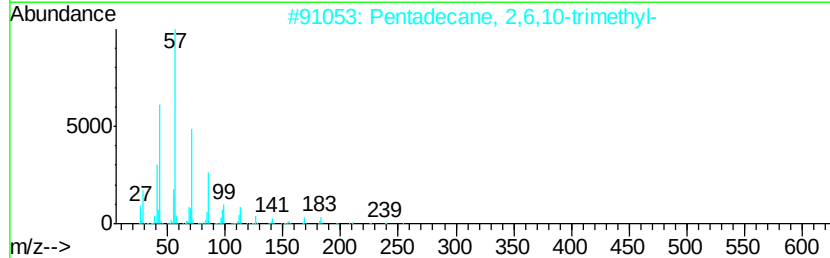
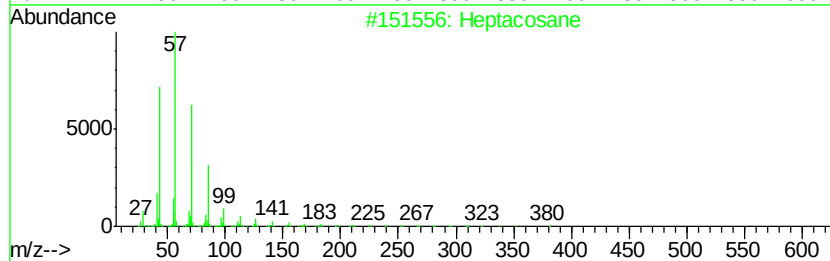
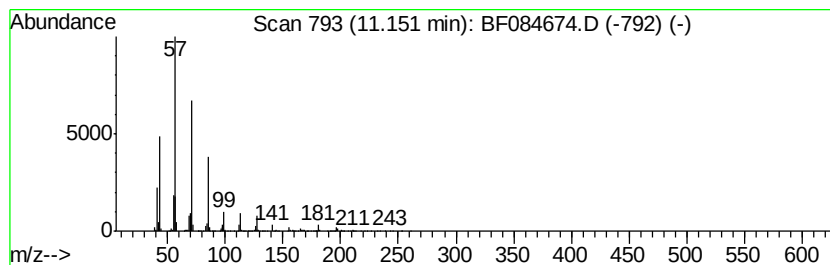
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Heptacosane Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.15 | 13.54 ng | 1071530 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane                    | 380 | C27H56  | 000593-49-7 | 86   |
| 2    |    | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 78   |
| 3    |    | Tritetracontane                | 605 | C43H88  | 007098-21-7 | 78   |
| 4    |    | Dodecane, 2,7,10-trimethyl-    | 212 | C15H32  | 074645-98-0 | 72   |
| 5    |    | Octadecane, 1-iodo-            | 380 | C18H37I | 000629-93-6 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

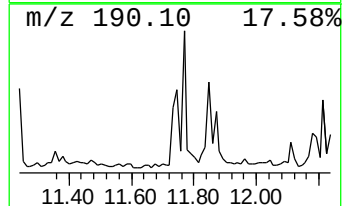
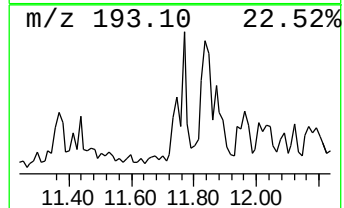
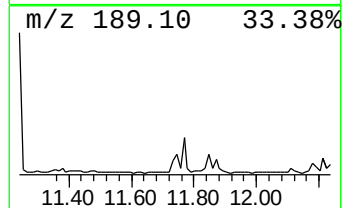
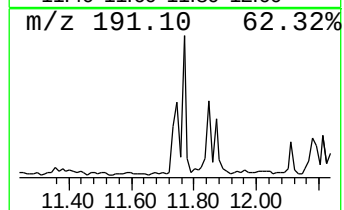
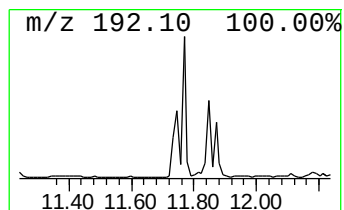
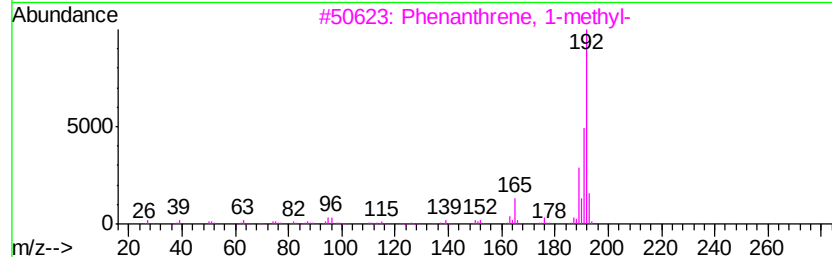
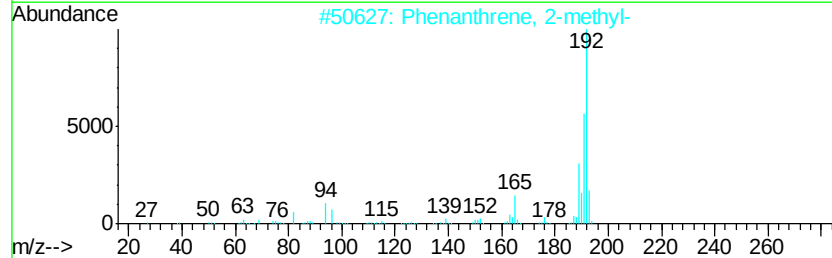
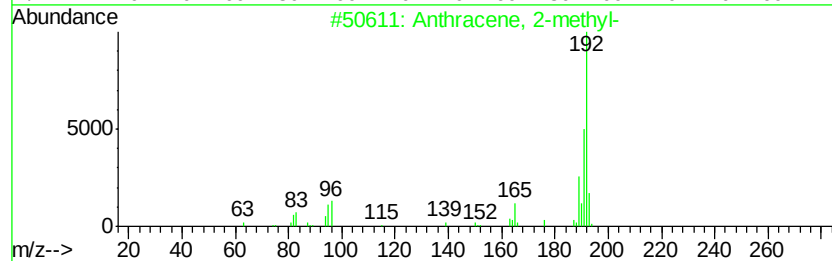
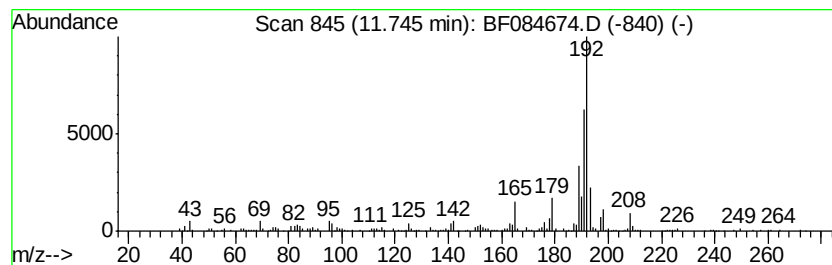
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Anthracene, 2-methyl- Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.74 | 6.17 ng | 488509 | Phenanthrene-d10 | 11.24 |

| Hit# | of | 5 | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 2-methyl-                   | 192 | C15H12  | 000613-12-7 | 93   |
| 2    |    |   | Phenanthrene, 2-methyl-                 | 192 | C15H12  | 002531-84-2 | 93   |
| 3    |    |   | Phenanthrene, 1-methyl-                 | 192 | C15H12  | 000832-69-9 | 89   |
| 4    |    |   | 1H-Cyclopropa[1,1]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 86   |
| 5    |    |   | Anthracene, 9-methyl-                   | 192 | C15H12  | 000779-02-2 | 76   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

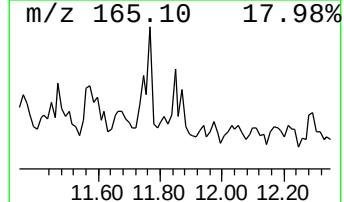
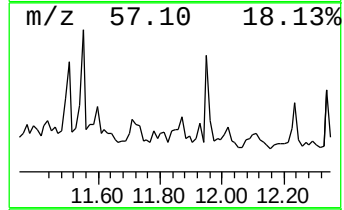
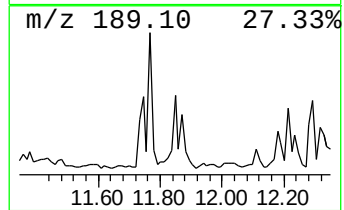
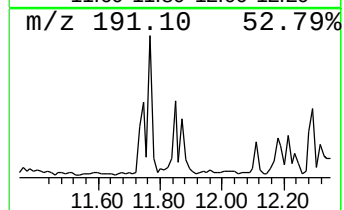
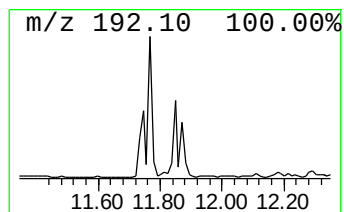
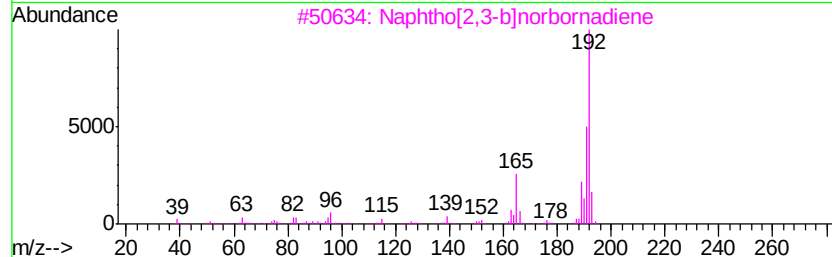
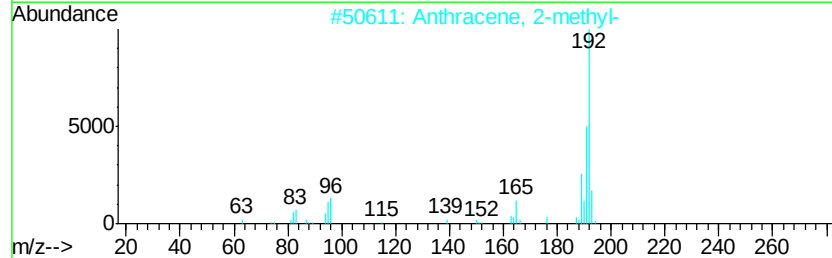
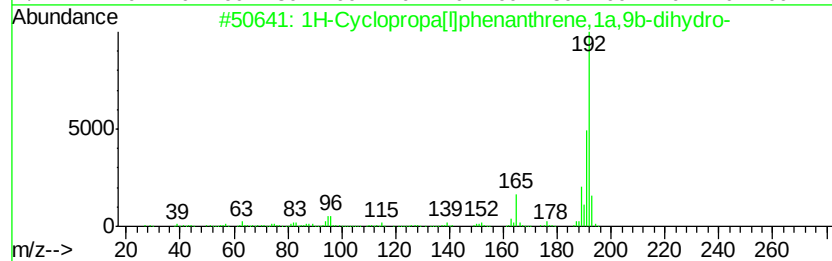
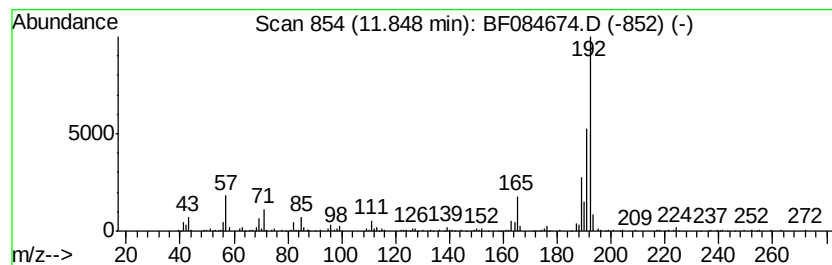
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.85 | 7.79 ng | 616815 | Phenanthrene-d10 | 11.24 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Cyclopropa[l]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 87   |
| 2    |    | Anthracene, 2-methyl-                 | 192 | C15H12  | 000613-12-7 | 87   |
| 3    |    | Naphtho[2,3-b]norbornadiene           | 192 | C15H12  | 107426-38-0 | 87   |
| 4    |    | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 87   |
| 5    |    | Anthracene, 9-methyl-                 | 192 | C15H12  | 000779-02-2 | 83   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\  
Data File : BF084674.D  
Acq On : 30 Jan 2016 9:46  
Operator : SJ/IZ  
Sample : H1303-09  
Misc :  
ALS Vial : 61 Sample Multiplier: 1

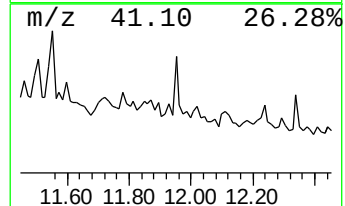
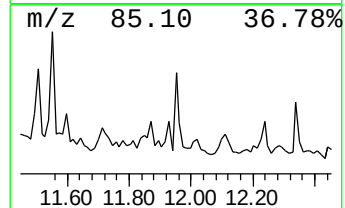
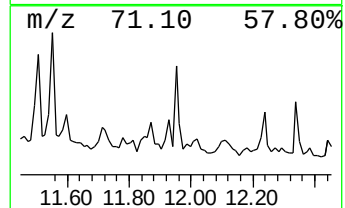
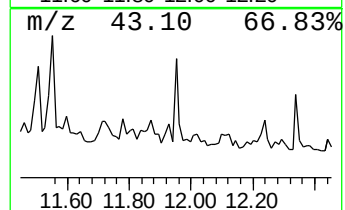
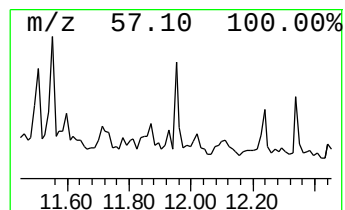
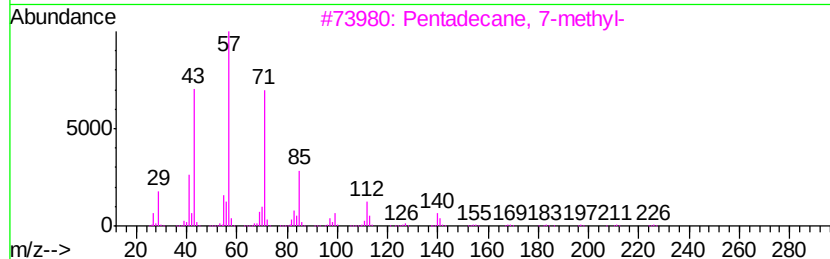
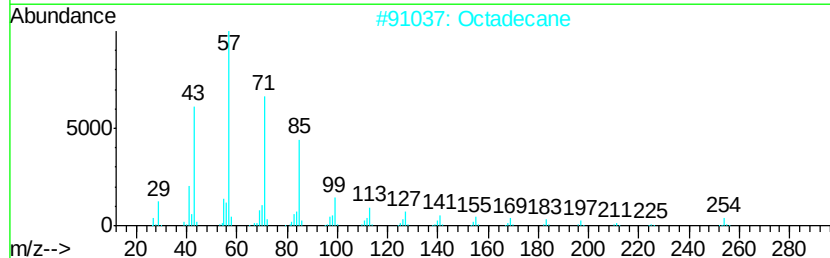
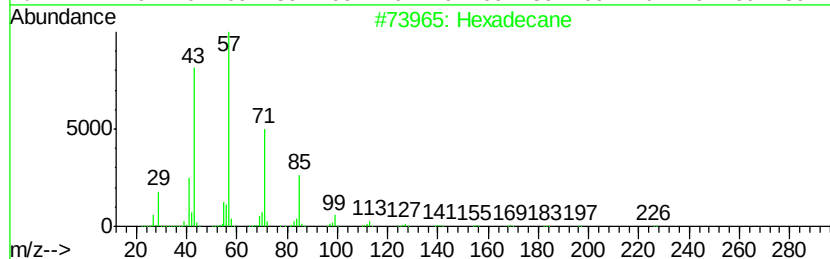
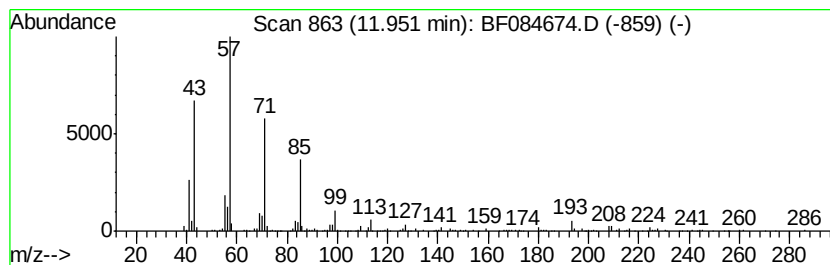
Instrument :  
BNA\_F  
ClientSampleId :  
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.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 Hexadecane Concentration Rank 20

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 11.95     | 6.00 ng                 | 474558 | Phenanthrene-d10 | 11.24       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane              | 226    | C16H34           | 000544-76-3 | 95   |
| 2         | Octadecane              | 254    | C18H38           | 000593-45-3 | 93   |
| 3         | Pentadecane, 7-methyl-  | 226    | C16H34           | 006165-40-8 | 81   |
| 4         | Pentadecane             | 212    | C15H32           | 000629-62-9 | 76   |
| 5         | Dodecane, 4,9-dipropyl- | 254    | C18H38           | 003054-63-5 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF013016\  
 Data File : BF084674.D  
 Acq On : 30 Jan 2016 9:46  
 Operator : SJ/IZ  
 Sample : H1303-09  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUPLICATE

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012916.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 |
| 3-Penten-2-one, 4... | 4.19  | 6.2 ng  |       | 372109   | 1                     | 6.73  | 1201640 | 20.0 |
| 2-Pentanone, 4-hy... | 4.89  | 78.6 ng |       | 4722340  | 1                     | 6.73  | 1201640 | 20.0 |
| unknown6.50          | 6.50  | 92.7 ng |       | 5570430  | 1                     | 6.73  | 1201640 | 20.0 |
| unknown8.30          | 8.30  | 6.1 ng  |       | 531293   | 2                     | 8.01  | 1753720 | 20.0 |
| Decane, 2,6,7-tri... | 8.44  | 11.3 ng |       | 987448   | 2                     | 8.01  | 1753720 | 20.0 |
| Naphthalene, 1,2,... | 8.83  | 6.1 ng  |       | 533901   | 2                     | 8.01  | 1753720 | 20.0 |
| 1-Octanol, 2-butyl-  | 9.17  | 8.4 ng  |       | 905547   | 3                     | 9.76  | 2162150 | 20.0 |
| Naphthalene, 2,7-... | 9.34  | 7.0 ng  |       | 758919   | 3                     | 9.76  | 2162150 | 20.0 |
| Naphthalene, 2,3-... | 9.42  | 12.1 ng |       | 1304290  | 3                     | 9.76  | 2162150 | 20.0 |
| Naphthalene, 1,4,... | 9.87  | 6.0 ng  |       | 649603   | 3                     | 9.76  | 2162150 | 20.0 |
| Naphthalene, 2,3,... | 9.96  | 13.9 ng |       | 1508360  | 3                     | 9.76  | 2162150 | 20.0 |
| Dodecane, 3-methyl-  | 10.42 | 12.4 ng |       | 1338650  | 3                     | 9.76  | 2162150 | 20.0 |
| Tridecane, 5-propyl- | 10.69 | 27.7 ng |       | 2192470  | 4                     | 11.24 | 1582880 | 20.0 |
| unknown10.88         | 10.88 | 12.5 ng |       | 989906   | 4                     | 11.24 | 1582880 | 20.0 |
| Octadecane           | 11.13 | 8.7 ng  |       | 686376   | 4                     | 11.24 | 1582880 | 20.0 |
| Heptacosane          | 11.15 | 13.5 ng |       | 1071530  | 4                     | 11.24 | 1582880 | 20.0 |
| Anthracene, 2-met... | 11.74 | 6.2 ng  |       | 488509   | 4                     | 11.24 | 1582880 | 20.0 |
| 1H-Cyclopropa[l]p... | 11.85 | 7.8 ng  |       | 616815   | 4                     | 11.24 | 1582880 | 20.0 |
| Hexadecane           | 11.95 | 6.0 ng  |       | 474558   | 4                     | 11.24 | 1582880 | 20.0 |