

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\  
 Data File : BF082309.D  
 Acq On : 15 Oct 2015 15:10  
 Operator : UM/IZ  
 Sample : G4015-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-3

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.194       | 3             | 5           | 20           | rVB3     | 51709          | 188875        | 7.36%           | 0.401%        |
| 2         | 4.160       | 173           | 177         | 179          | rBV      | 32997          | 60901         | 2.37%           | 0.129%        |
| 3         | 4.309       | 187           | 190         | 192          | rBV      | 143310         | 205098        | 8.00%           | 0.435%        |
| 4         | 4.994       | 246           | 250         | 252          | rBV      | 693266         | 969165        | 37.78%          | 2.056%        |
| 5         | 5.417       | 285           | 287         | 290          | rBV      | 814607         | 884968        | 34.50%          | 1.878%        |
| 6         | 5.600       | 301           | 303         | 304          | rBV      | 60575          | 88615         | 3.45%           | 0.188%        |
| 7         | 5.634       | 304           | 306         | 308          | rVB      | 92130          | 108578        | 4.23%           | 0.230%        |
| 8         | 5.977       | 333           | 336         | 338          | rBV      | 168202         | 215178        | 8.39%           | 0.457%        |
| 9         | 6.275       | 357           | 362         | 364          | rBV      | 363273         | 451104        | 17.59%          | 0.957%        |
| 10        | 6.343       | 366           | 368         | 369          | rVV      | 1653248        | 1478421       | 57.64%          | 3.137%        |
| 11        | 6.377       | 369           | 371         | 372          | rVV      | 373075         | 436173        | 17.00%          | 0.925%        |
| 12        | 6.423       | 372           | 375         | 377          | rVV      | 1815981        | 1663669       | 64.86%          | 3.530%        |
| 13        | 6.469       | 377           | 379         | 381          | rVV      | 978289         | 1248249       | 48.66%          | 2.649%        |
| 14        | 6.503       | 381           | 382         | 385          | rVV      | 1263182        | 1012196       | 39.46%          | 2.148%        |
| 15        | 6.595       | 388           | 390         | 393          | rVV      | 1284339        | 1221235       | 47.61%          | 2.591%        |
| 16        | 6.652       | 393           | 395         | 397          | rVB      | 2745065        | 2565086       | 100.00%         | 5.443%        |
| 17        | 6.777       | 402           | 406         | 408          | rVB2     | 58554          | 100354        | 3.91%           | 0.213%        |
| 18        | 6.823       | 408           | 410         | 412          | rBV      | 481866         | 491467        | 19.16%          | 1.043%        |
| 19        | 6.857       | 412           | 413         | 414          | rVV      | 134049         | 166232        | 6.48%           | 0.353%        |
| 20        | 6.880       | 414           | 415         | 419          | rVV      | 1488822        | 1333080       | 51.97%          | 2.829%        |
| 21        | 6.983       | 421           | 424         | 425          | rVV      | 1391709        | 1220403       | 47.58%          | 2.589%        |
| 22        | 7.006       | 425           | 426         | 428          | rVV      | 187194         | 136870        | 5.34%           | 0.290%        |
| 23        | 7.075       | 431           | 432         | 433          | rVV      | 154192         | 138786        | 5.41%           | 0.294%        |
| 24        | 7.097       | 433           | 434         | 436          | rVV      | 378140         | 367109        | 14.31%          | 0.779%        |
| 25        | 7.143       | 436           | 438         | 442          | rVV      | 662203         | 641554        | 25.01%          | 1.361%        |
| 26        | 7.212       | 442           | 444         | 449          | rVV2     | 164502         | 267233        | 10.42%          | 0.567%        |
| 27        | 7.292       | 449           | 451         | 452          | rVV      | 258970         | 206038        | 8.03%           | 0.437%        |
| 28        | 7.360       | 455           | 457         | 459          | rBV      | 293874         | 376226        | 14.67%          | 0.798%        |
| 29        | 7.395       | 459           | 460         | 464          | rVV      | 840852         | 750430        | 29.26%          | 1.592%        |
| 30        | 7.475       | 464           | 467         | 469          | rVB      | 80849          | 87019         | 3.39%           | 0.185%        |
| 31        | 7.600       | 475           | 478         | 479          | rBV      | 57043          | 61401         | 2.39%           | 0.130%        |
| 32        | 7.623       | 479           | 480         | 484          | rVB2     | 87992          | 112008        | 4.37%           | 0.238%        |
| 33        | 7.875       | 499           | 502         | 504          | rBV3     | 106056         | 187467        | 7.31%           | 0.398%        |
| 34        | 7.989       | 510           | 512         | 514          | rBV2     | 55733          | 65148         | 2.54%           | 0.138%        |

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 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-3

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |     |      |         |         |        |        |
|----|--------|-----|-----|-----|------|---------|---------|--------|--------|
| 35 | 8.046  | 514 | 517 | 519 | rVV2 | 117456  | 190685  | 7.43%  | 0.405% |
| 36 | 8.115  | 521 | 523 | 525 | rVV  | 700131  | 609199  | 23.75% | 1.293% |
| 37 | 8.149  | 525 | 526 | 530 | rVB2 | 70399   | 117449  | 4.58%  | 0.249% |
| 38 | 8.275  | 535 | 537 | 542 | rVB4 | 29209   | 78376   | 3.06%  | 0.166% |
| 39 | 8.412  | 542 | 549 | 550 | rBV6 | 45905   | 174653  | 6.81%  | 0.371% |
| 40 | 8.492  | 554 | 556 | 557 | rBV  | 112027  | 128402  | 5.01%  | 0.272% |
| 41 | 8.538  | 557 | 560 | 565 | rBV2 | 152386  | 302673  | 11.80% | 0.642% |
| 42 | 8.652  | 568 | 570 | 571 | rBV2 | 52492   | 77914   | 3.04%  | 0.165% |
| 43 | 8.675  | 571 | 572 | 573 | rBV  | 97652   | 68536   | 2.67%  | 0.145% |
| 44 | 8.709  | 573 | 575 | 577 | rBV  | 546701  | 525794  | 20.50% | 1.116% |
| 45 | 8.766  | 577 | 580 | 581 | rBV3 | 62754   | 115820  | 4.52%  | 0.246% |
| 46 | 8.823  | 581 | 585 | 587 | rBV3 | 112604  | 157253  | 6.13%  | 0.334% |
| 47 | 8.880  | 588 | 590 | 592 | rBV  | 1485527 | 1454487 | 56.70% | 3.086% |
| 48 | 8.926  | 592 | 594 | 596 | rVB  | 263310  | 296123  | 11.54% | 0.628% |
| 49 | 8.995  | 596 | 600 | 601 | rBV3 | 104711  | 275395  | 10.74% | 0.584% |
| 50 | 9.018  | 601 | 602 | 604 | rBV2 | 66978   | 132680  | 5.17%  | 0.282% |
| 51 | 9.132  | 609 | 612 | 616 | rBV  | 458619  | 1104430 | 43.06% | 2.343% |
| 52 | 9.201  | 616 | 618 | 619 | rVB  | 1570914 | 1607346 | 62.66% | 3.411% |
| 53 | 9.281  | 622 | 625 | 626 | rBV  | 763086  | 1040473 | 40.56% | 2.208% |
| 54 | 9.326  | 626 | 629 | 631 | rVB  | 1698322 | 1870960 | 72.94% | 3.970% |
| 55 | 9.601  | 645 | 653 | 654 | rBV3 | 1015034 | 2235094 | 87.14% | 4.742% |
| 56 | 9.692  | 659 | 661 | 662 | rVV2 | 182912  | 242350  | 9.45%  | 0.514% |
| 57 | 9.749  | 664 | 666 | 667 | rVV  | 192988  | 315490  | 12.30% | 0.669% |
| 58 | 9.806  | 669 | 671 | 673 | rVV  | 1669085 | 1659544 | 64.70% | 3.521% |
| 59 | 9.875  | 675 | 677 | 679 | rVB  | 752615  | 859161  | 33.49% | 1.823% |
| 60 | 9.978  | 685 | 686 | 689 | rVB  | 103505  | 100396  | 3.91%  | 0.213% |
| 61 | 10.035 | 689 | 691 | 692 | rBV2 | 212646  | 313863  | 12.24% | 0.666% |
| 62 | 10.069 | 692 | 694 | 695 | rVV  | 243288  | 326647  | 12.73% | 0.693% |
| 63 | 10.126 | 697 | 699 | 703 | rVB2 | 431800  | 611695  | 23.85% | 1.298% |
| 64 | 10.195 | 703 | 705 | 707 | rBV  | 406522  | 434207  | 16.93% | 0.921% |
| 65 | 10.241 | 707 | 709 | 711 | rBV2 | 432933  | 406775  | 15.86% | 0.863% |
| 66 | 10.309 | 711 | 715 | 716 | rBV  | 1824650 | 1848240 | 72.05% | 3.922% |
| 67 | 10.332 | 716 | 717 | 719 | rVV2 | 94662   | 101027  | 3.94%  | 0.214% |
| 68 | 10.424 | 723 | 725 | 728 | rBV3 | 324696  | 474222  | 18.49% | 1.006% |
| 69 | 10.526 | 731 | 734 | 737 | rBV  | 910886  | 1227908 | 47.87% | 2.605% |
| 70 | 10.618 | 740 | 742 | 743 | rBV  | 109290  | 153347  | 5.98%  | 0.325% |
| 71 | 10.675 | 745 | 747 | 752 | rVB2 | 340009  | 536949  | 20.93% | 1.139% |

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Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |     |     |     |      |         |         |        |        |
|----|--------|-----|-----|-----|------|---------|---------|--------|--------|
| 72 | 10.789 | 755 | 757 | 761 | rVB  | 1398677 | 2526890 | 98.51% | 5.362% |
| 73 | 11.269 | 794 | 799 | 802 | rVB2 | 920233  | 1893723 | 73.83% | 4.018% |
| 74 | 11.372 | 806 | 808 | 809 | rBV  | 627878  | 631511  | 24.62% | 1.340% |
| 75 | 11.669 | 832 | 834 | 836 | rVB2 | 366465  | 395065  | 15.40% | 0.838% |

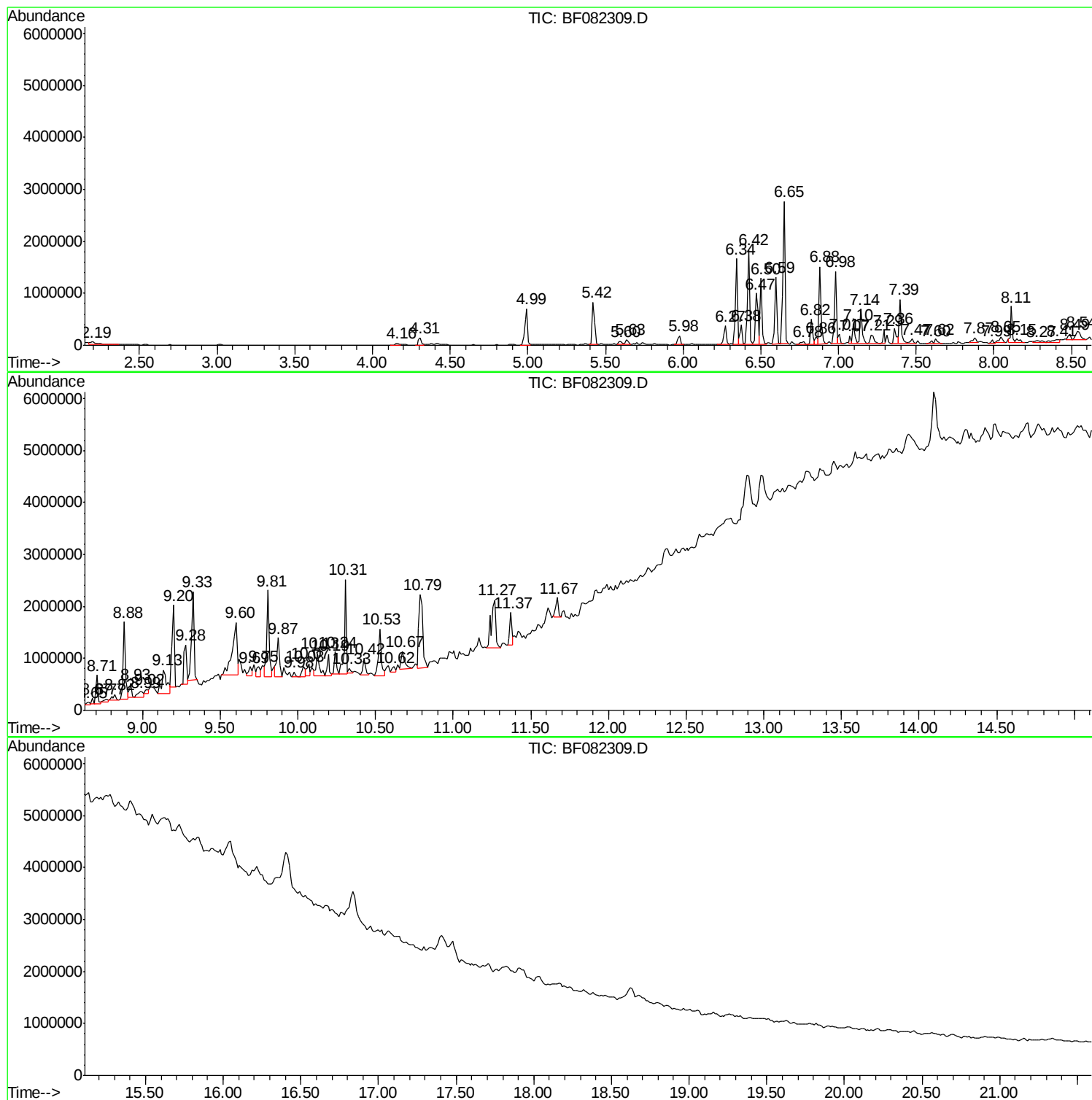
Sum of corrected areas: 47129088

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.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\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
CF-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

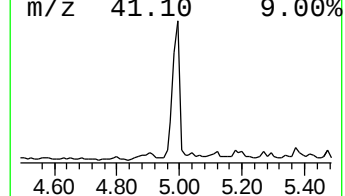
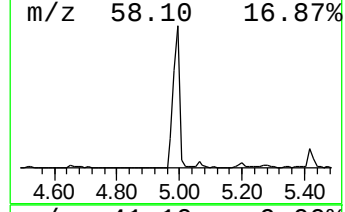
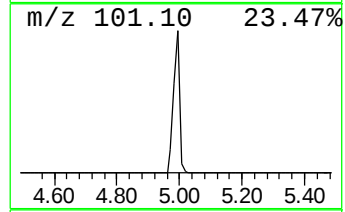
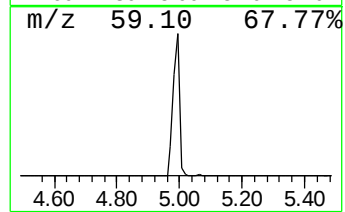
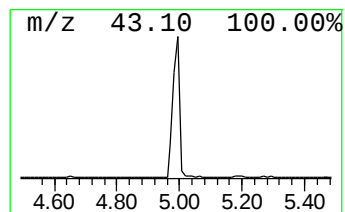
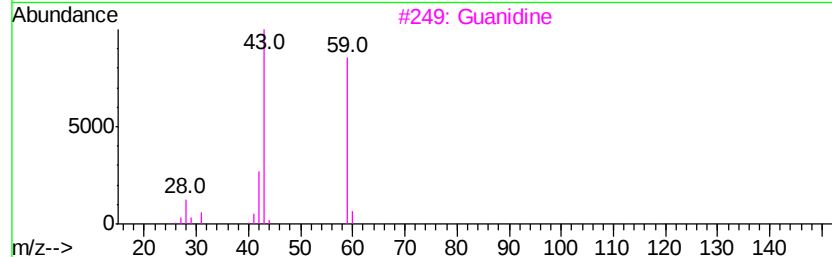
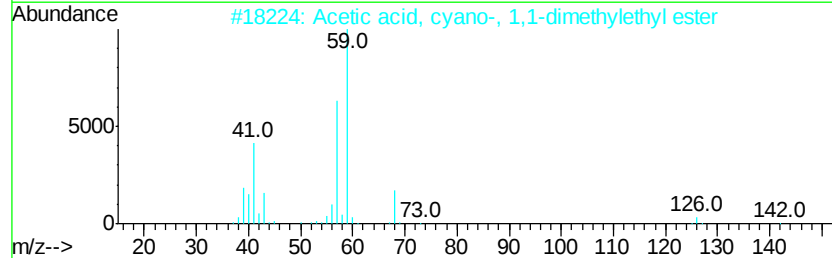
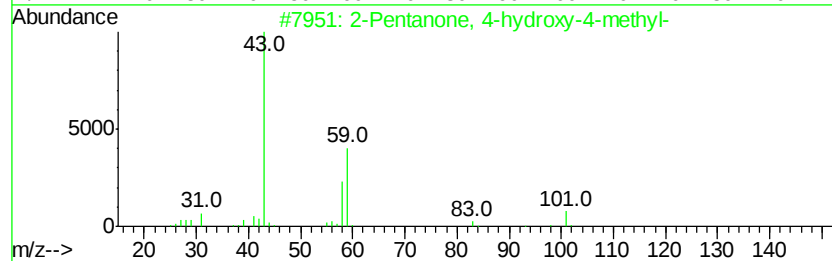
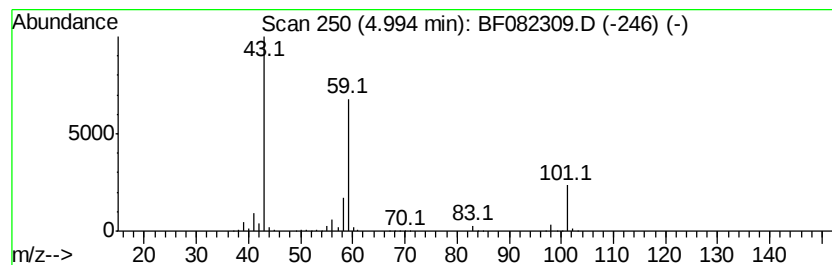
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.99 | 39.44 ng | 969165 | 1,4-Dichlorobenzene-d4 | 6.82 |

| 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    |    | Guanidine                            | 59  | CH5N3    | 000113-00-8 | 9    |
| 4    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |



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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
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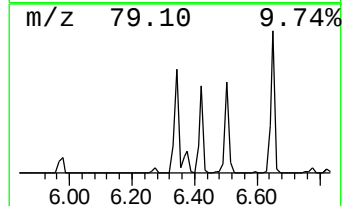
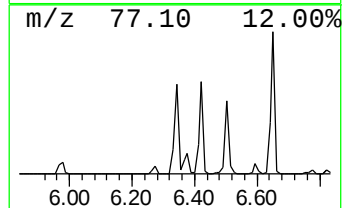
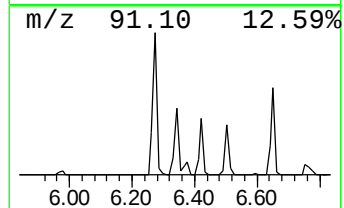
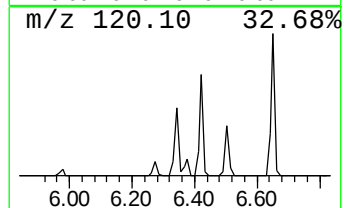
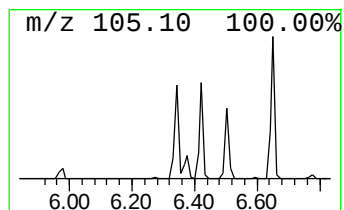
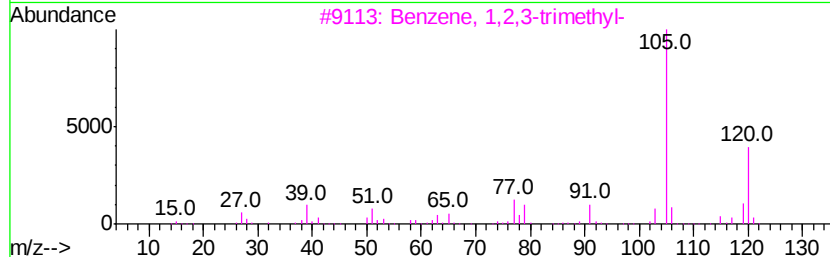
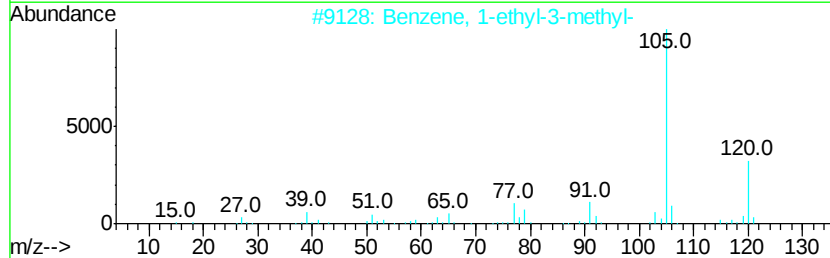
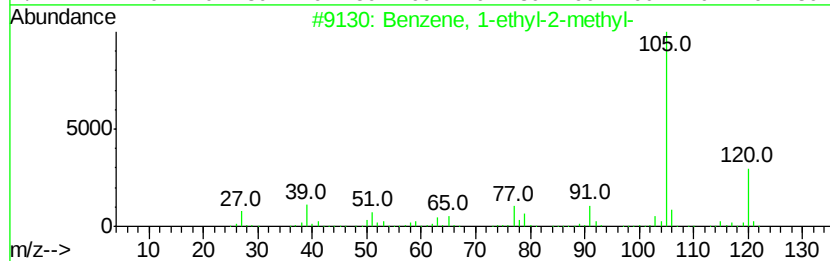
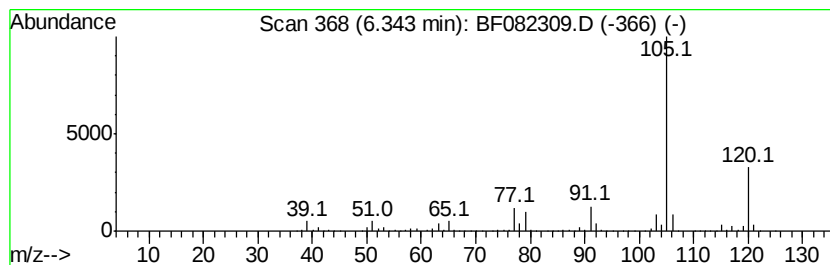
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.34 | 60.16 ng | 1478420 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

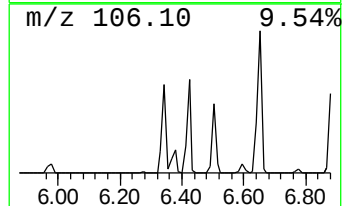
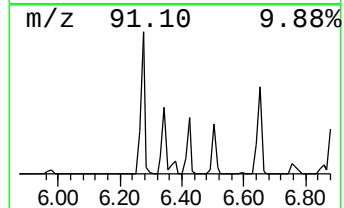
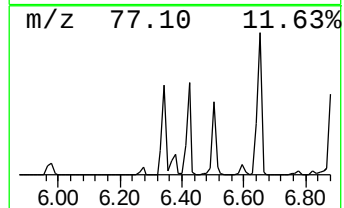
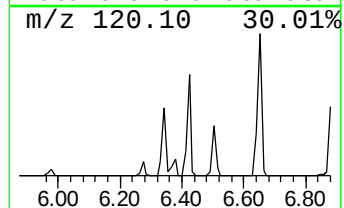
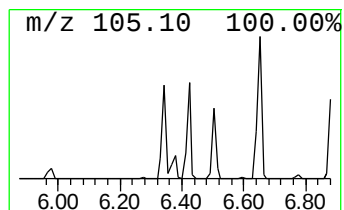
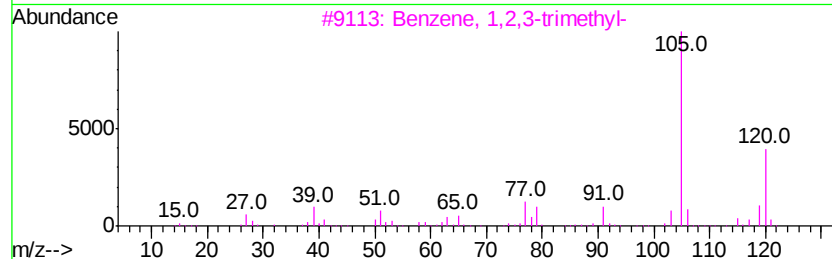
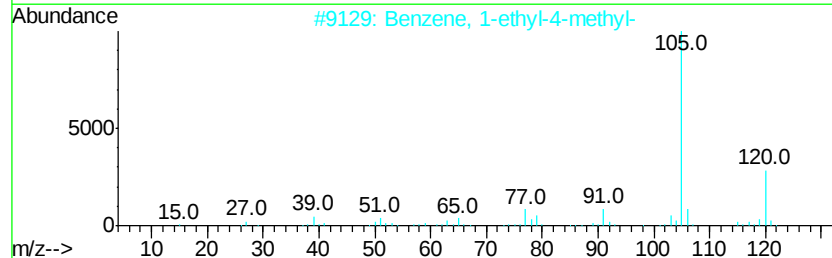
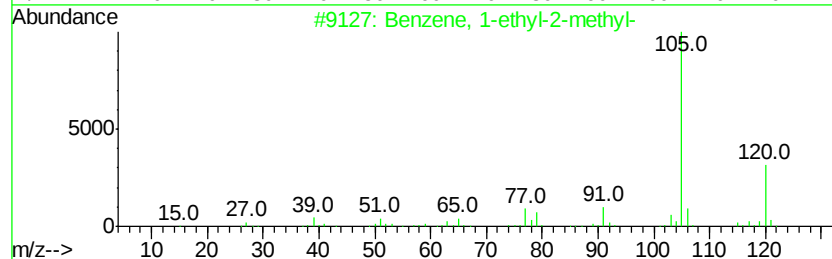
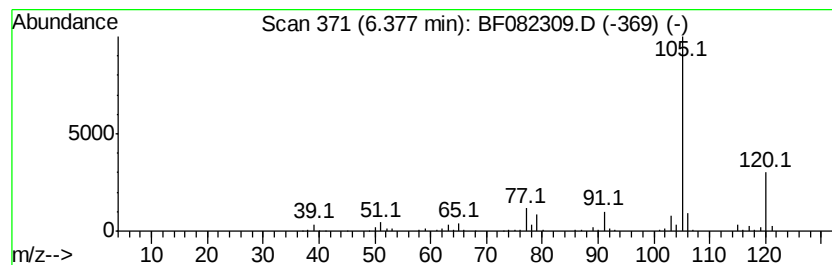
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 17

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.38 | 17.75 ng | 436173 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 94   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1,3,5-trimethyl-  | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

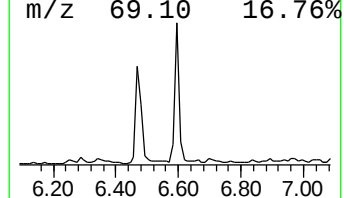
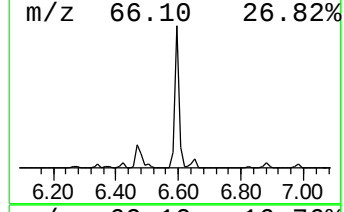
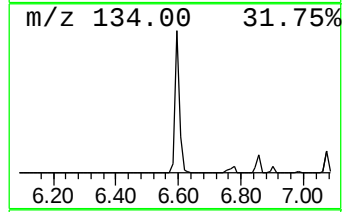
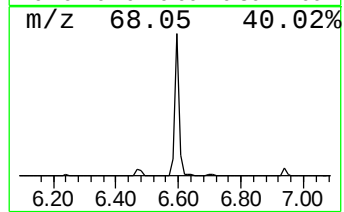
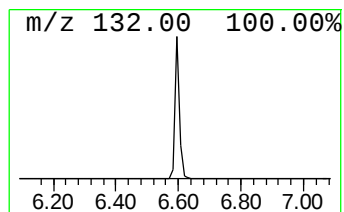
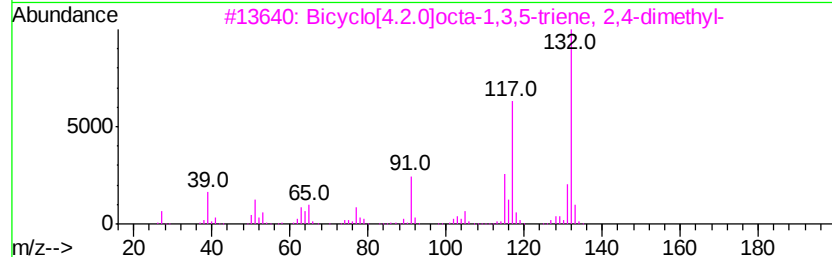
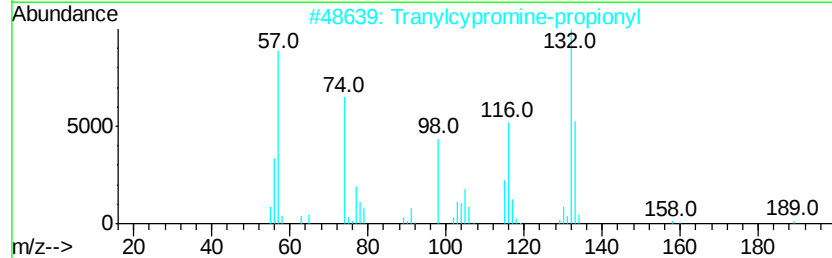
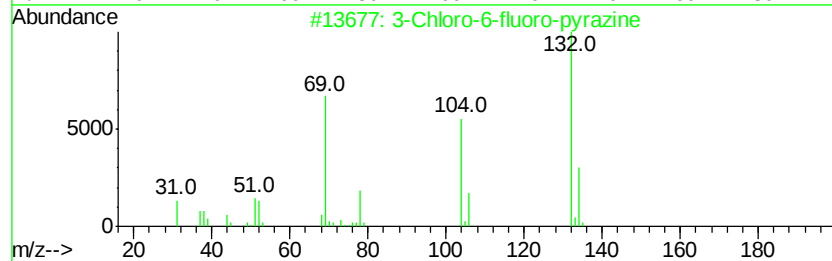
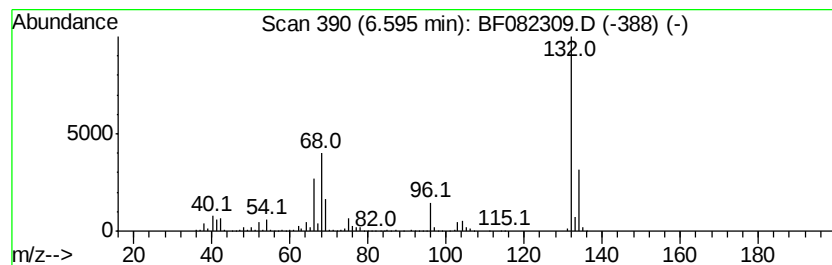
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown6.59 Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.59 | 49.70 ng | 1221240 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine          |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    | Tranylcypromine-propionyl           |   |              | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    | Bicyclo[4.2.0]octa-1,3,5-triene,... |   |              | 132 | C10H12    | 028749-81-7  | 9    |
| 4    | 4-Chloro-2-fluoro-pyrimidine        |   |              | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    | 4-Methylpyrrolo[1,2-a]pyrazine      |   |              | 132 | C8H8N2    | 064608-60-2  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

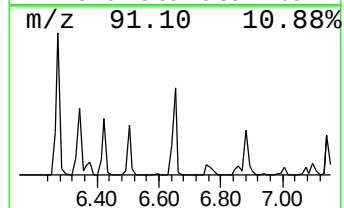
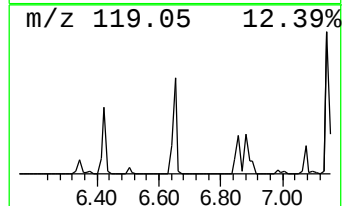
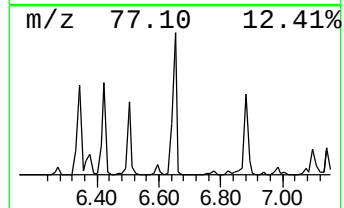
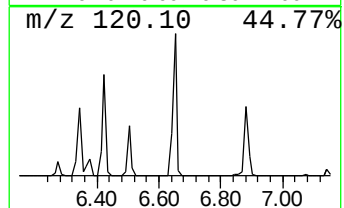
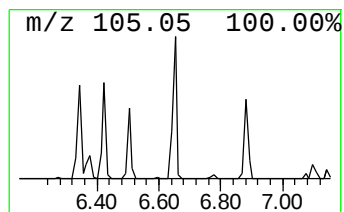
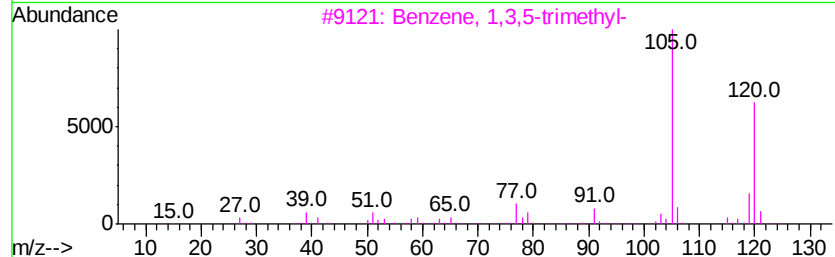
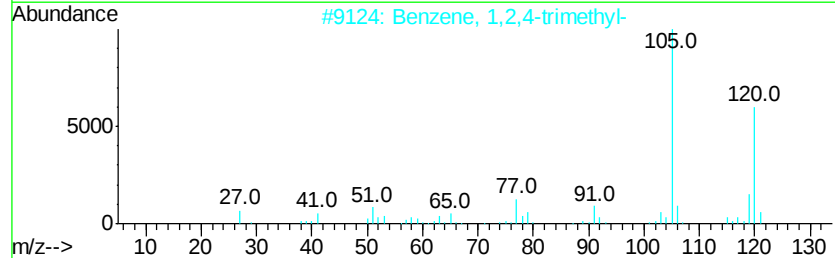
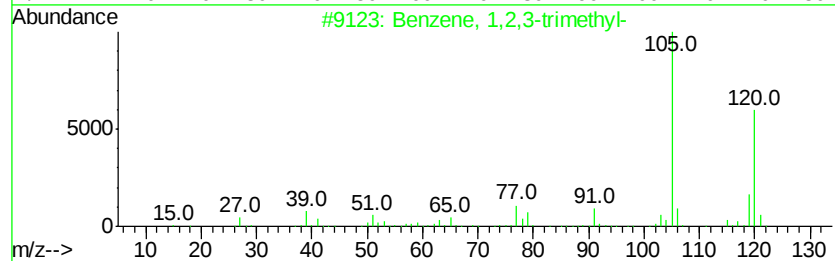
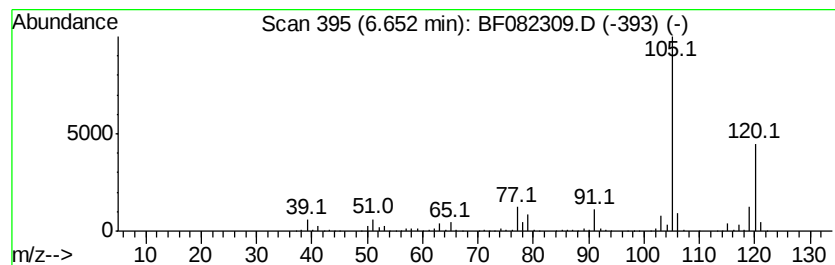
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.65 | 104.39 ng | 2565090 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    | Benzene, 1,3,5-trimethyl-  | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

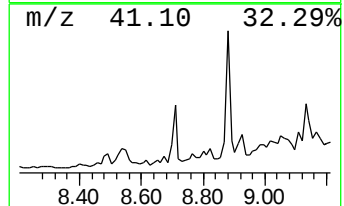
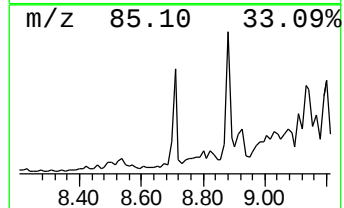
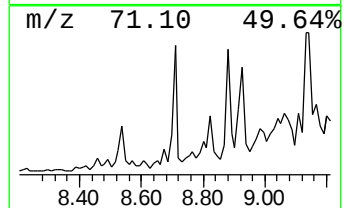
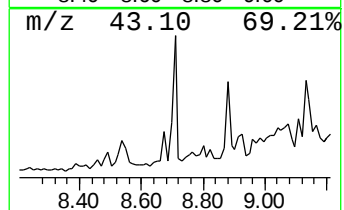
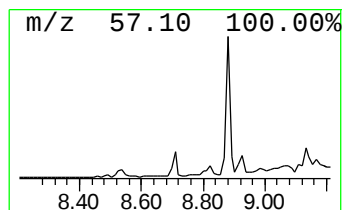
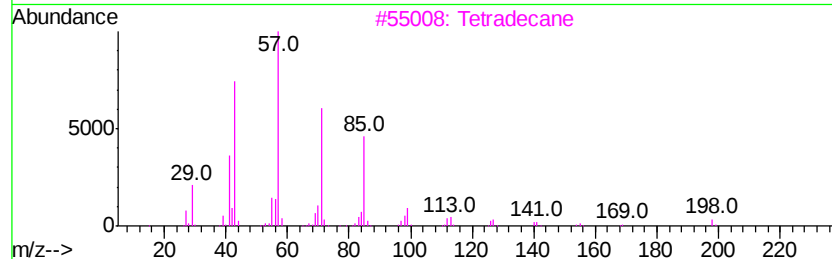
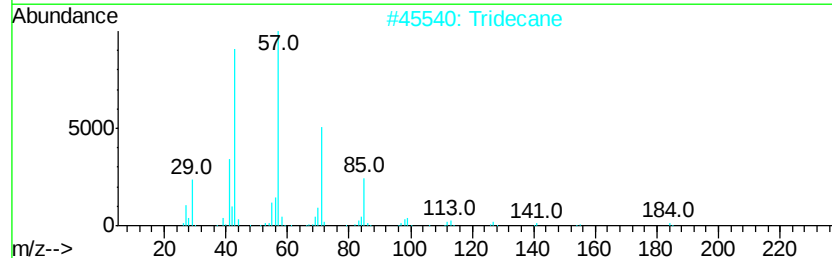
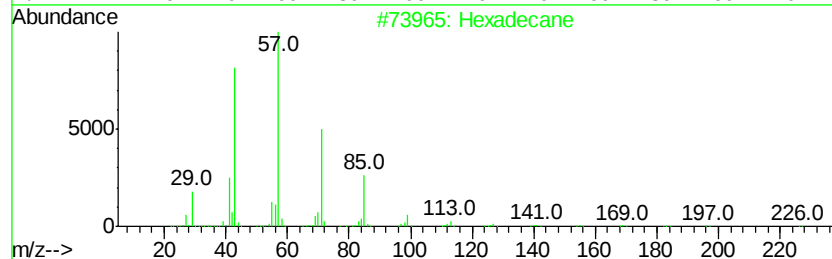
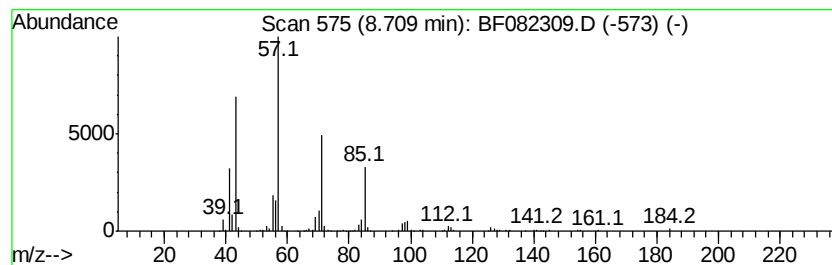
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Hexadecane Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.71 | 17.26 ng | 525794 | Naphthalene-d8   | 8.11 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane              | 226 | C16H34  | 000544-76-3 | 83   |
| 2    |    | Tridecane               | 184 | C13H28  | 000629-50-5 | 81   |
| 3    |    | Tetradecane             | 198 | C14H30  | 000629-59-4 | 80   |
| 4    |    | Tridecane, 7-propyl-    | 226 | C16H34  | 055045-09-5 | 80   |
| 5    |    | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 74   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

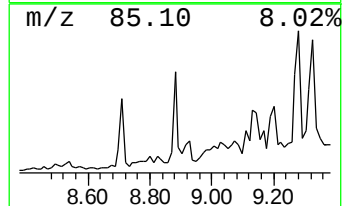
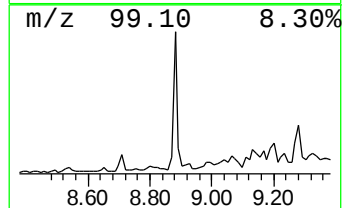
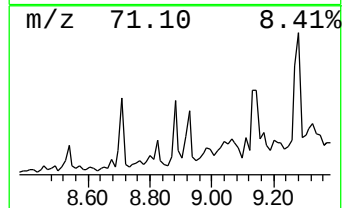
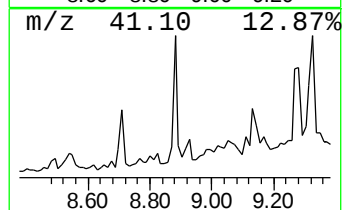
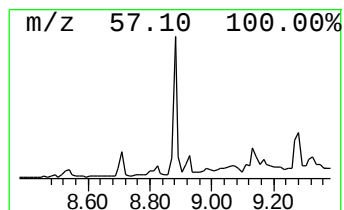
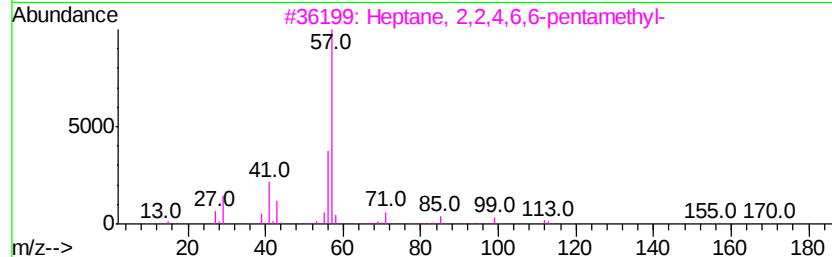
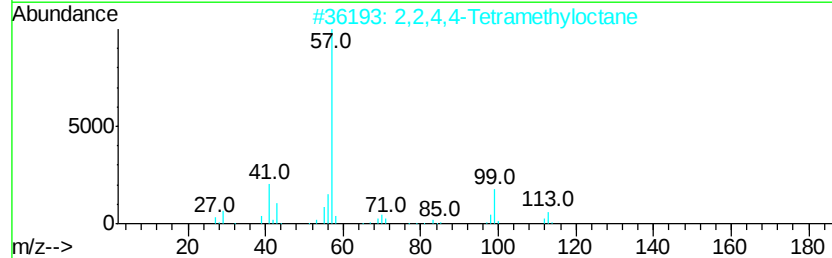
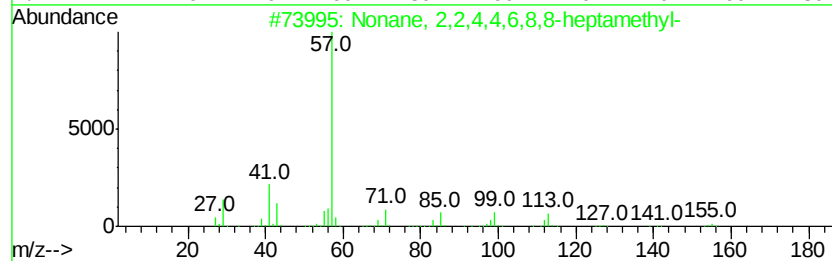
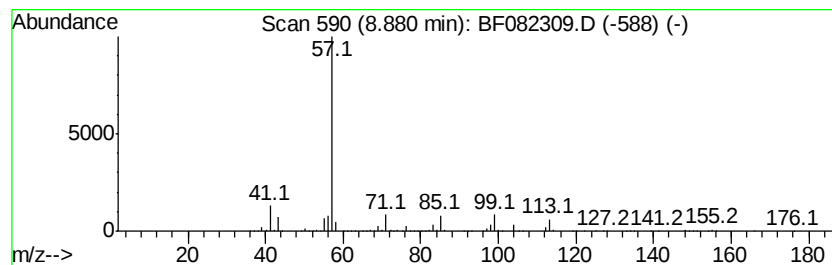
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Nonane, 2,2,4,4,6,8,8-hepta... Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.88 | 47.75 ng | 1454490 | Napthalene-d8    | 8.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 2,2,4,4,6,8,8-heptamethyl-  | 226 | C16H34  | 004390-04-9 | 86   |
| 2    |    | 2,2,4,4-Tetramethyloctane           | 170 | C12H26  | 062183-79-3 | 59   |
| 3    |    | Heptane, 2,2,4,6,6-pentamethyl-     | 170 | C12H26  | 013475-82-6 | 42   |
| 4    |    | Octadecane, 2,2,4,15,17,17-hexam... | 591 | C42H86  | 055470-97-8 | 40   |
| 5    |    | Tridecane, 2,2,4,10,12,12-hexame... | 394 | C28H58  | 003035-75-4 | 40   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

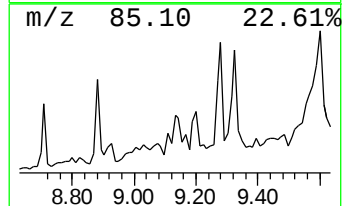
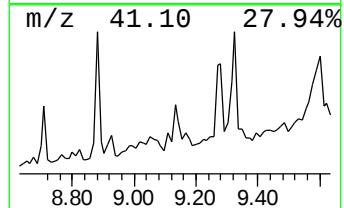
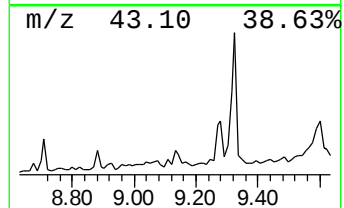
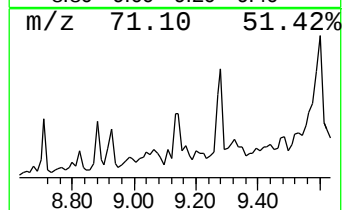
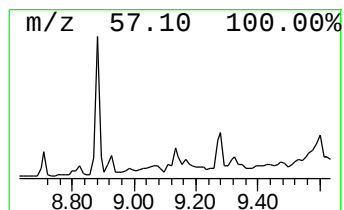
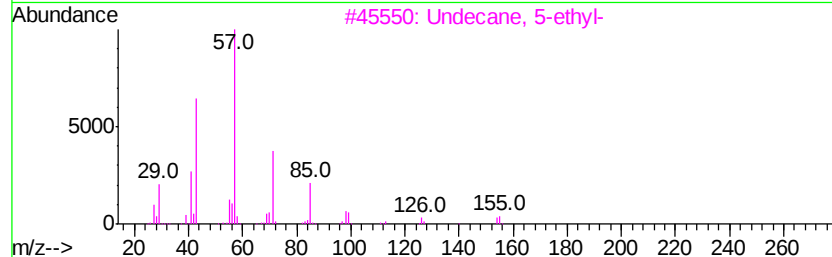
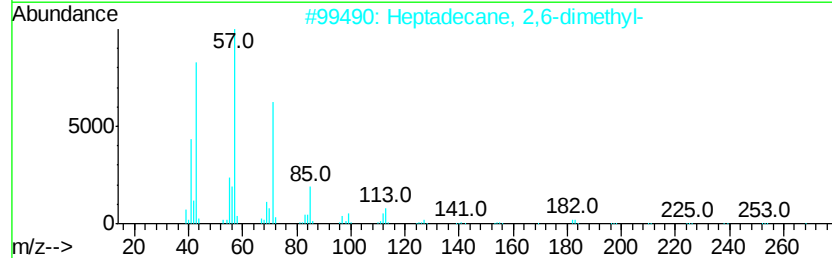
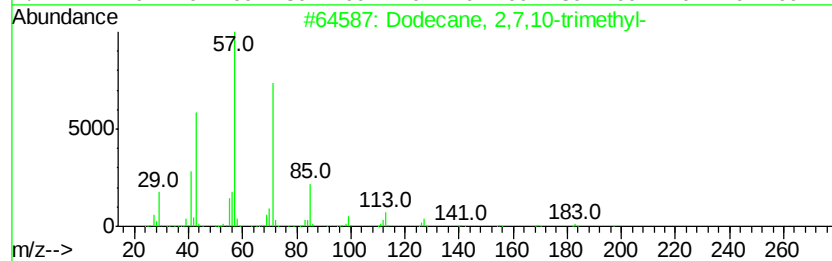
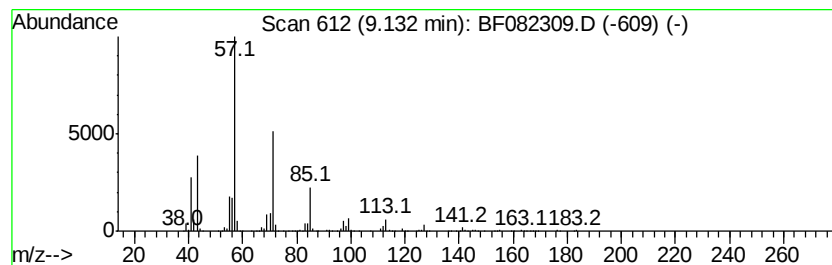
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Dodecane, 2,7,10-trimethyl- Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.13 | 25.71 ng | 1104430 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 90   |
| 2    |    | Heptadecane, 2,6-dimethyl-  | 268 | C19H40  | 054105-67-8 | 80   |
| 3    |    | Undecane, 5-ethyl-          | 184 | C13H28  | 017453-94-0 | 78   |
| 4    |    | Tridecane                   | 184 | C13H28  | 000629-50-5 | 72   |
| 5    |    | Heptacosane                 | 380 | C27H56  | 000593-49-7 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

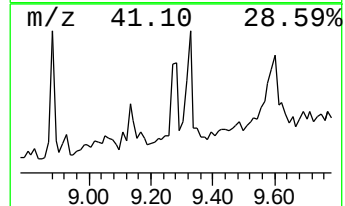
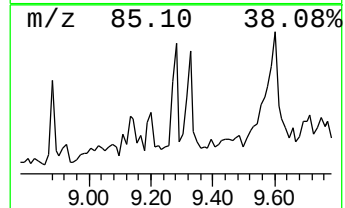
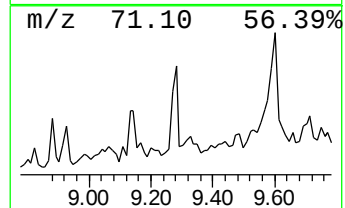
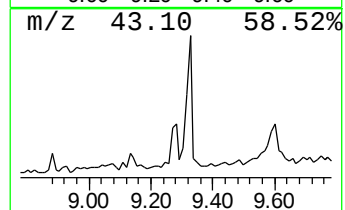
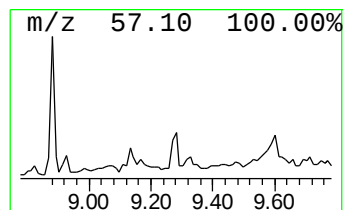
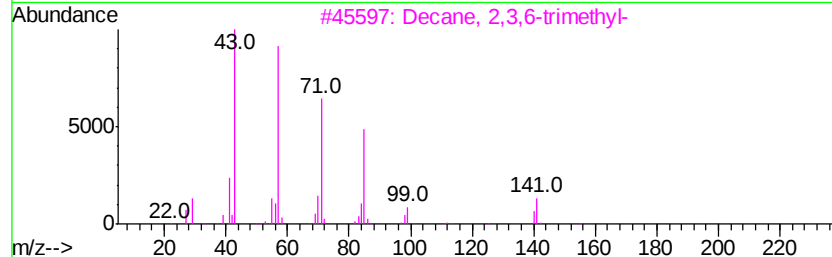
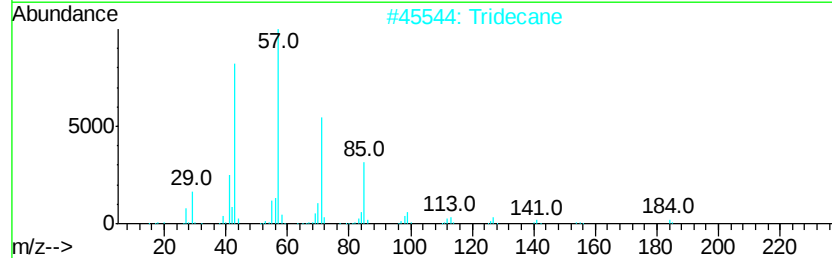
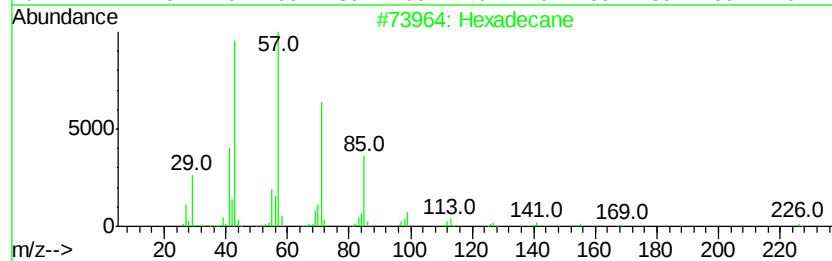
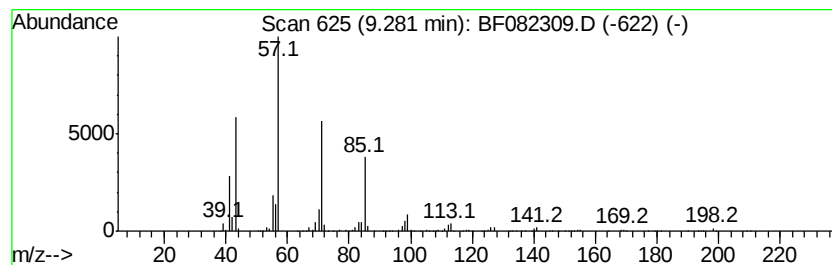
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Tridecane Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.28 | 24.22 ng | 1040470 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID             | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecane               | 226 | C16H34   | 000544-76-3 | 83   |
| 2    |    | Tridecane                | 184 | C13H28   | 000629-50-5 | 83   |
| 3    |    | Decane, 2,3,6-trimethyl- | 184 | C13H28   | 062238-12-4 | 78   |
| 4    |    | Bacchotricuneatin c      | 342 | C20H22O5 | 066563-30-2 | 64   |
| 5    |    | Tridecane, 6-methyl-     | 198 | C14H30   | 013287-21-3 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

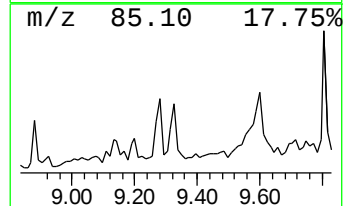
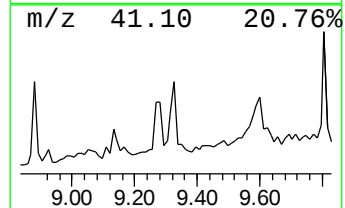
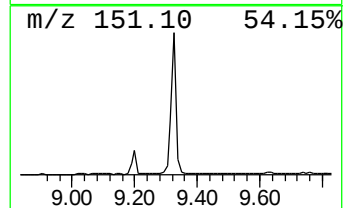
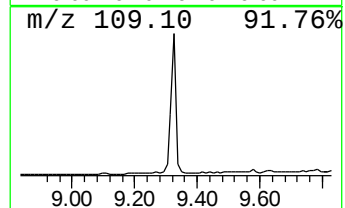
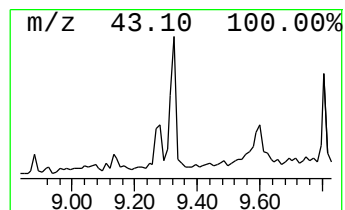
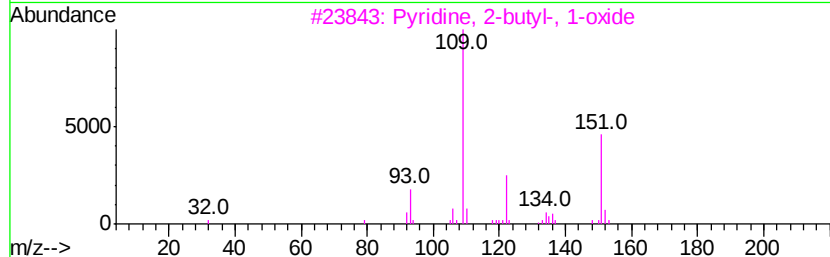
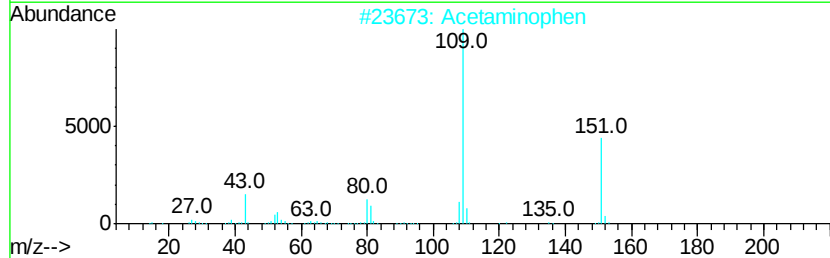
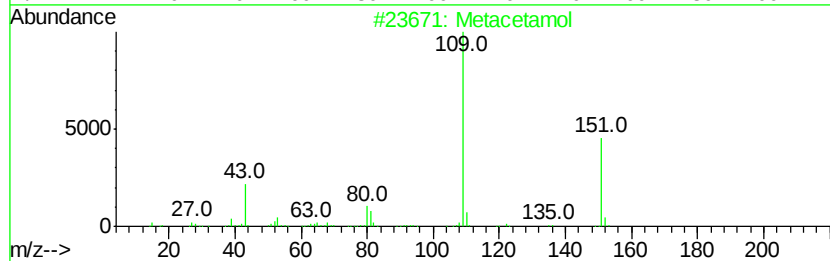
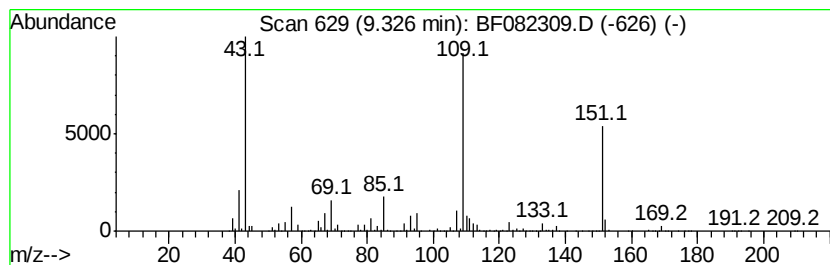
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Metacetamol Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.33 | 43.55 ng | 1870960 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Metacetamol                         | 151 | C8H9NO2   | 000621-42-1  | 53   |
| 2    |    | Acetaminophen                       | 151 | C8H9NO2   | 000103-90-2  | 53   |
| 3    |    | Pyridine, 2-butyl-, 1-oxide         | 151 | C9H13NO   | 031396-32-4  | 45   |
| 4    |    | Butanamide, N-acetyl-N-(4-hydrox... | 221 | C12H15NO3 | 1000107-08-7 | 45   |
| 5    |    | 3-Pyridinol, 4-methyl-, acetate ... | 151 | C8H9NO2   | 001006-96-8  | 42   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

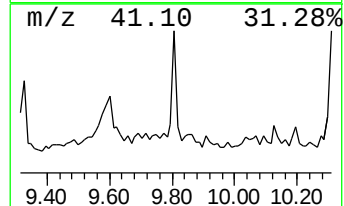
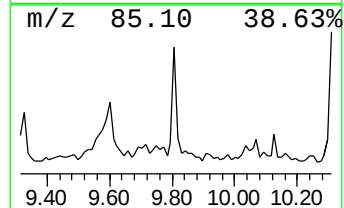
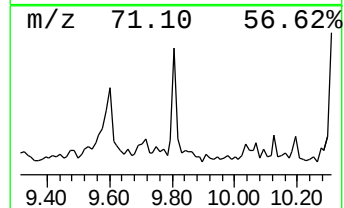
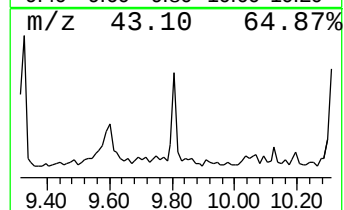
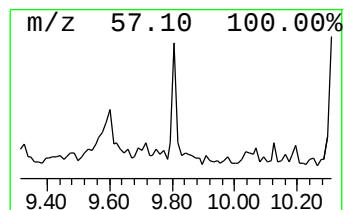
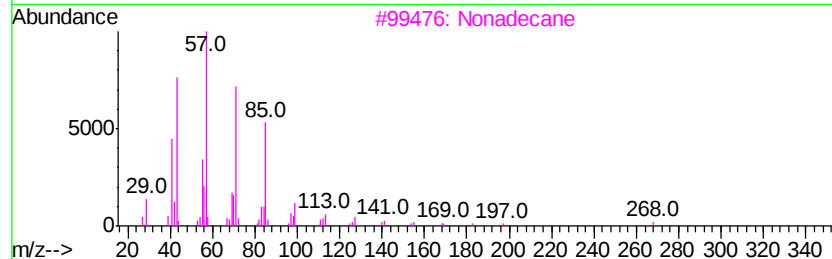
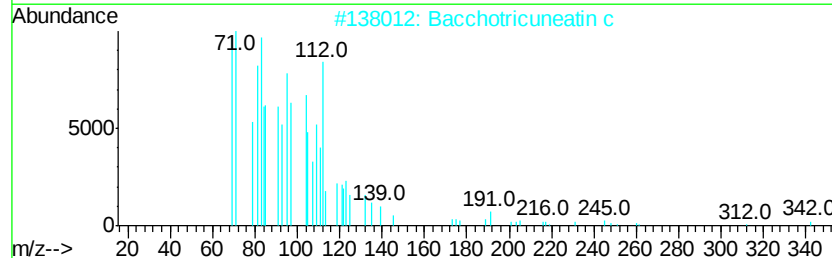
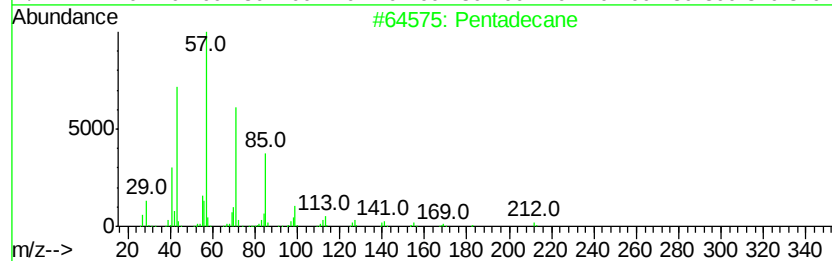
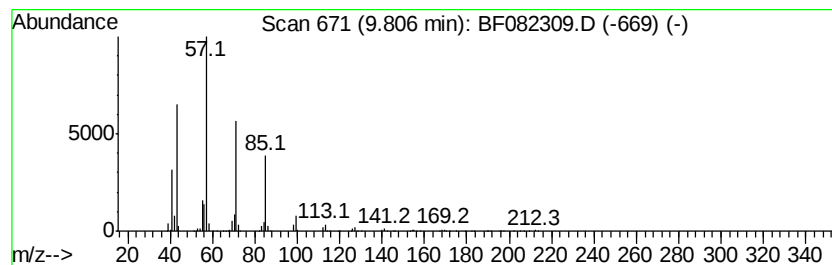
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Pentadecane Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.81 | 38.63 ng | 1659540 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Pentadecane         | 212 | C15H32   | 000629-62-9 | 95   |
| 2    |    | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 74   |
| 3    |    | Nonadecane          | 268 | C19H40   | 000629-92-5 | 72   |
| 4    |    | Hexadecane          | 226 | C16H34   | 000544-76-3 | 72   |
| 5    |    | Nonane, 5-butyl-    | 184 | C13H28   | 017312-63-9 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

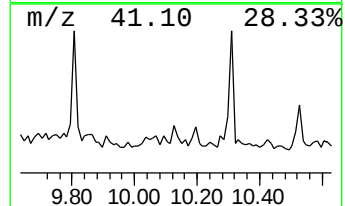
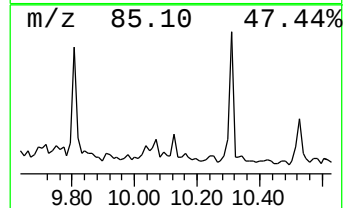
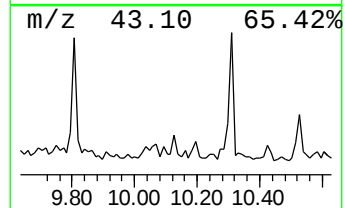
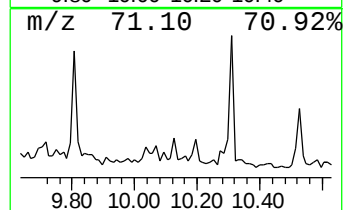
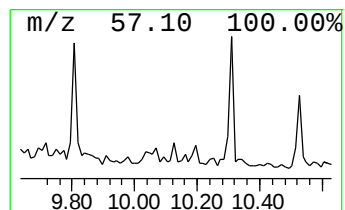
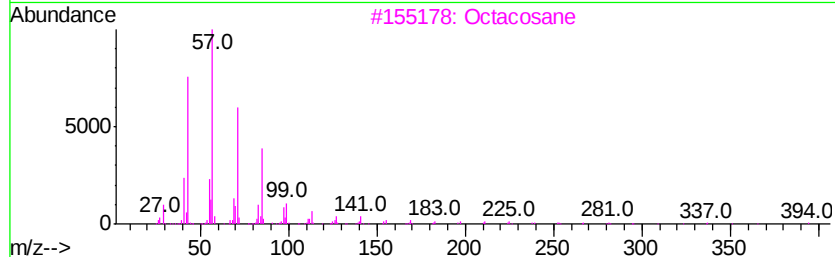
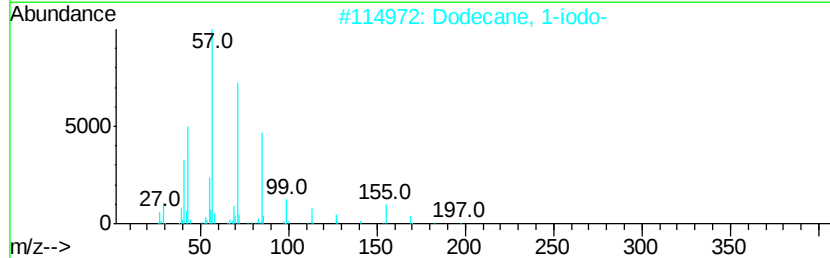
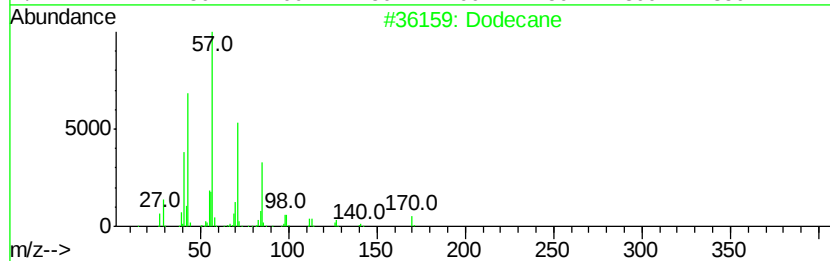
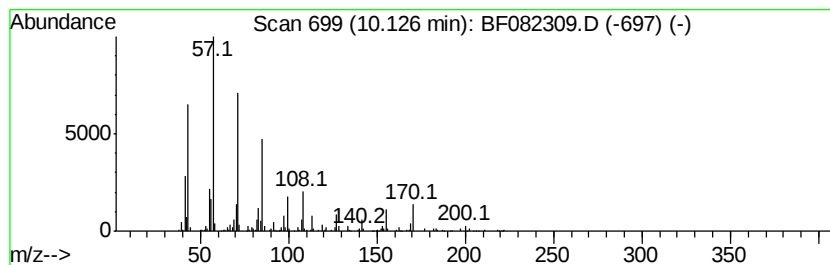
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Dodecane Concentration Rank 19

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T. |
|-------|----------|--------|------------------|------|
| 10.13 | 14.24 ng | 611695 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane          | 170 | C12H26  | 000112-40-3 | 68   |
| 2    |    | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 64   |
| 3    |    | Octacosane        | 394 | C28H58  | 000630-02-4 | 64   |
| 4    |    | triacontane       | 422 | C30H62  | 000638-68-6 | 59   |
| 5    |    | Heneicosane       | 296 | C21H44  | 000629-94-7 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

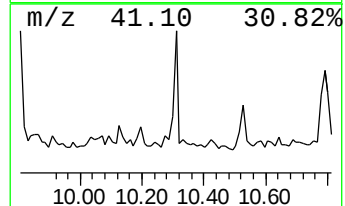
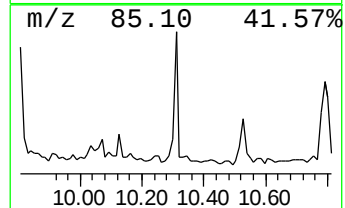
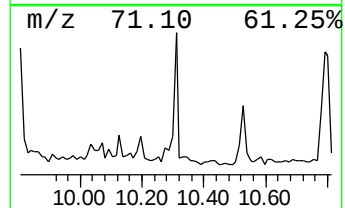
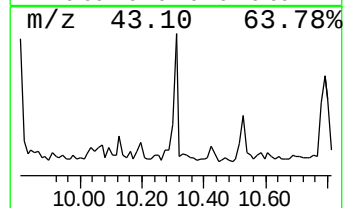
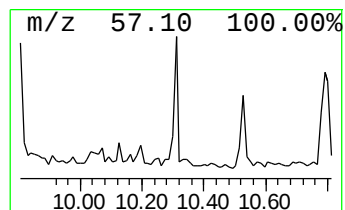
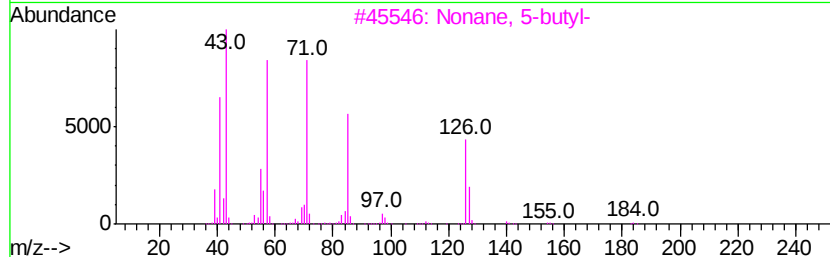
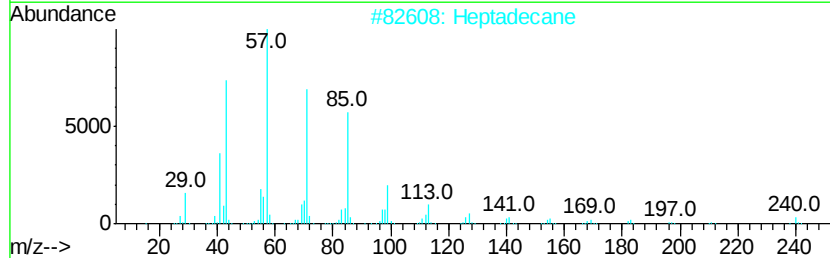
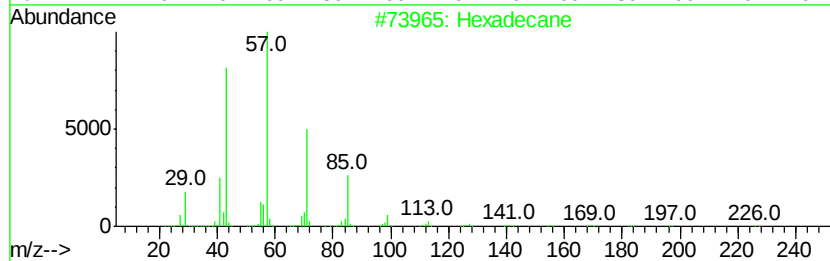
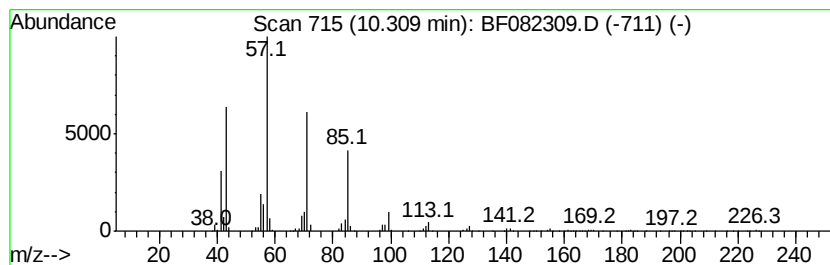
Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Heptadecane Concentration Rank 10

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 10.31   | 43.02 ng            | 1848240      | Acenaphthene-d10 | 9.87      |
| Hit# of | 5                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane          | 226 C16H34   | 000544-76-3      | 96        |
| 2       | Heptadecane         | 240 C17H36   | 000629-78-7      | 83        |
| 3       | Nonane, 5-butyl-    | 184 C13H28   | 017312-63-9      | 72        |
| 4       | Undecane, 3-methyl- | 170 C12H26   | 001002-43-3      | 72        |
| 5       | Octadecane          | 254 C18H38   | 000593-45-3      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

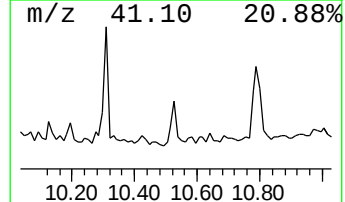
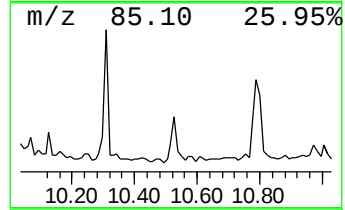
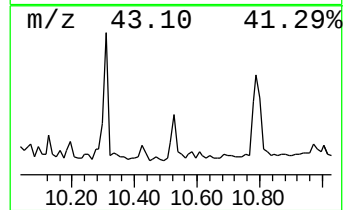
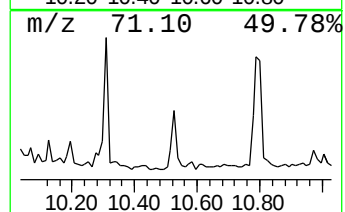
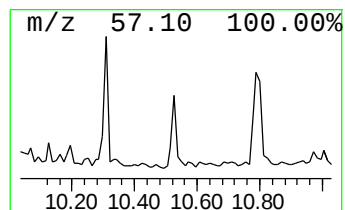
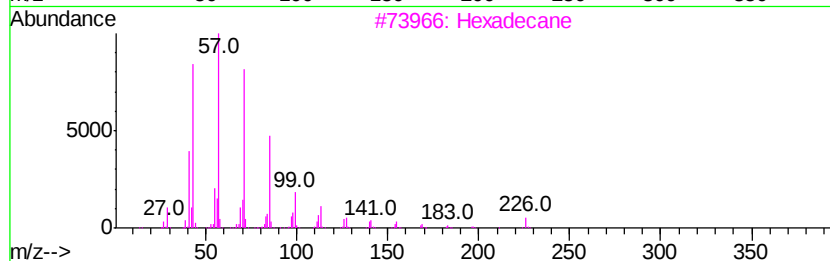
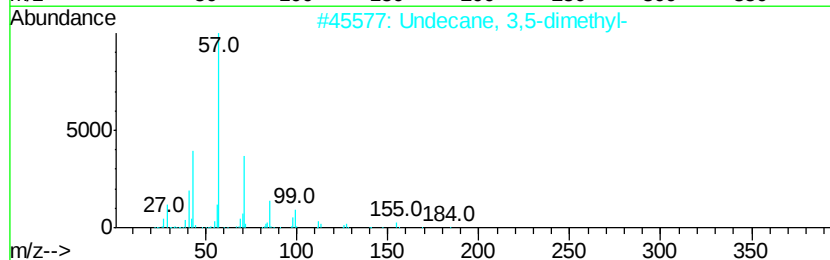
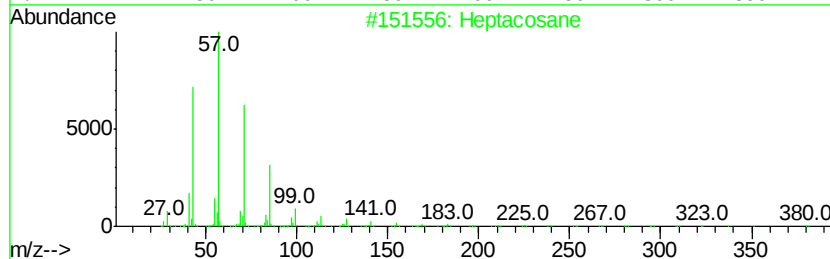
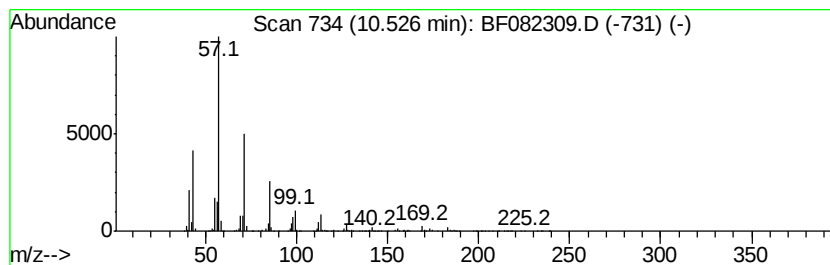
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Heptacosane Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.53 | 28.58 ng | 1227910 | Acenaphthene-d10 | 9.87 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane             | 380 | C27H56  | 000593-49-7 | 91   |
| 2    |    | Undecane, 3,5-dimethyl- | 184 | C13H28  | 017312-81-1 | 87   |
| 3    |    | Hexadecane              | 226 | C16H34  | 000544-76-3 | 86   |
| 4    |    | Undecane, 3,6-dimethyl- | 184 | C13H28  | 017301-28-9 | 81   |
| 5    |    | Heptadecane             | 240 | C17H36  | 000629-78-7 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

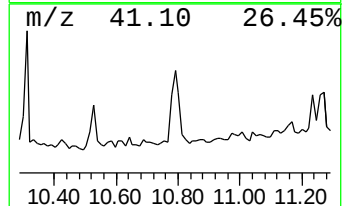
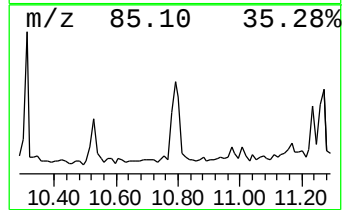
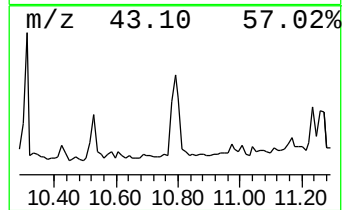
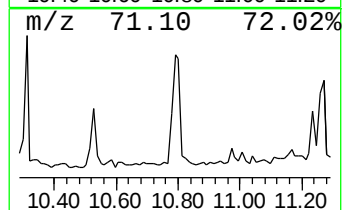
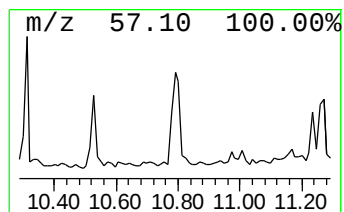
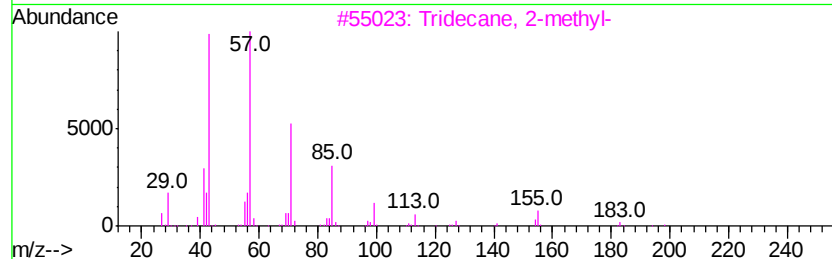
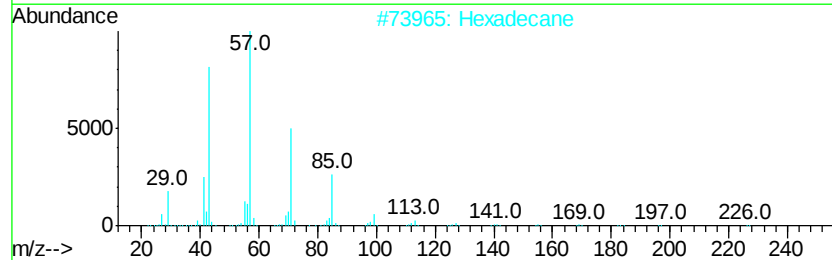
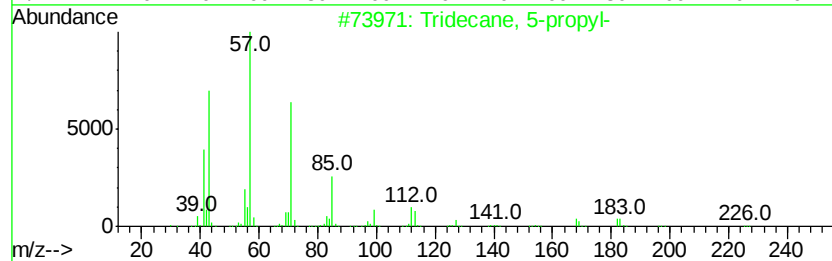
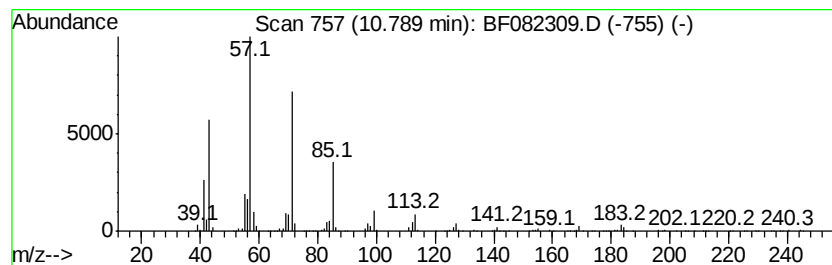
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Tridecane, 5-propyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.79 | 80.03 ng | 2526890 | Phenanthrene-d10 | 11.37 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 5-propyl- | 226 | C16H34  | 055045-11-9 | 93   |
| 2    |    | Hexadecane           | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Tridecane, 2-methyl- | 198 | C14H30  | 001560-96-9 | 90   |
| 4    |    | Tridecane, 4-methyl- | 198 | C14H30  | 026730-12-1 | 90   |
| 5    |    | Heptacosane          | 380 | C27H56  | 000593-49-7 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

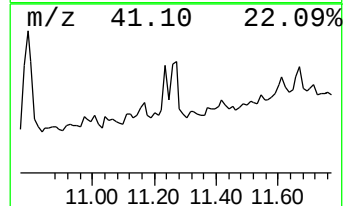
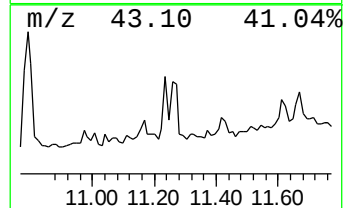
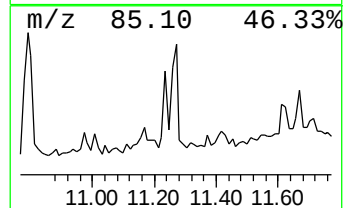
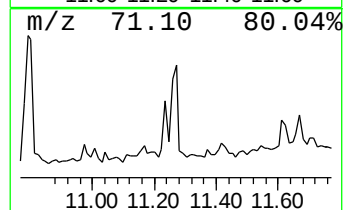
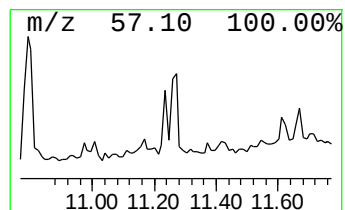
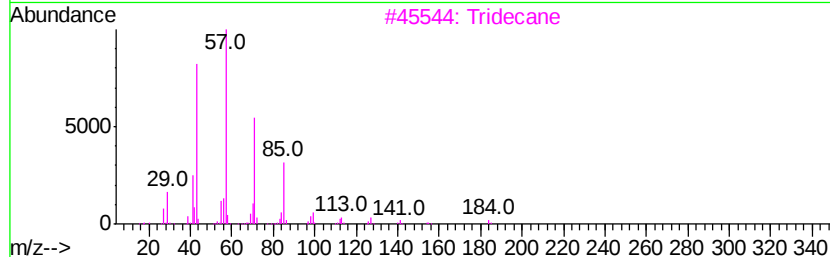
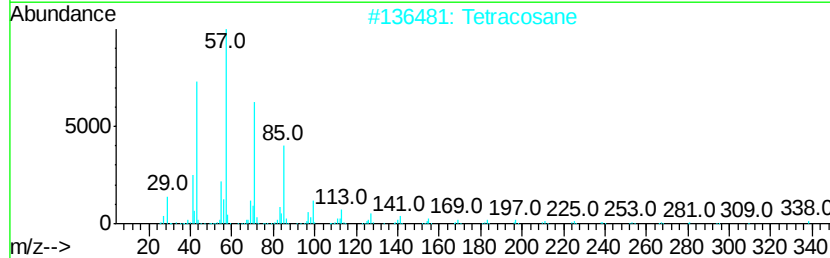
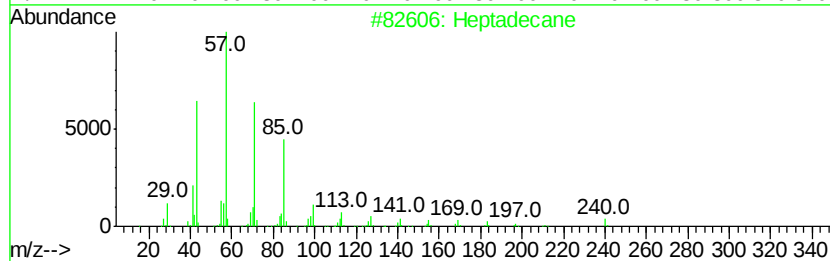
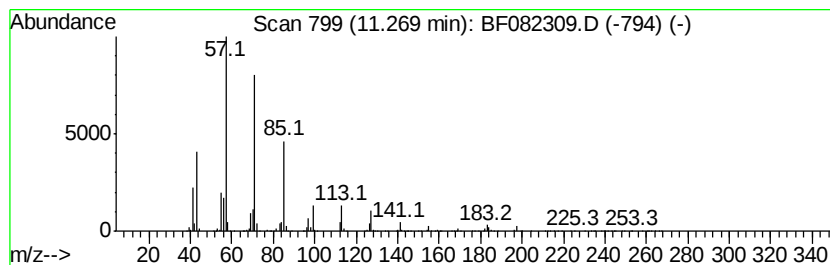
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Tetracosane Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.27 | 59.97 ng | 1893720 | Phenanthrene-d10 | 11.37 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane           | 240 | C17H36  | 000629-78-7 | 91   |
| 2    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 90   |
| 3    |    | Tridecane             | 184 | C13H28  | 000629-50-5 | 87   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 86   |
| 5    |    | Nonane, 3,7-dimethyl- | 156 | C11H24  | 017302-32-8 | 83   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
Data File : BF082309.D  
Acq On : 15 Oct 2015 15:10  
Operator : UM/IZ  
Sample : G4015-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

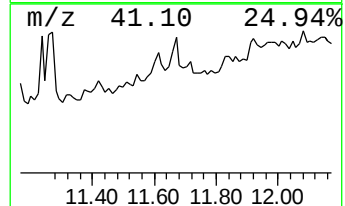
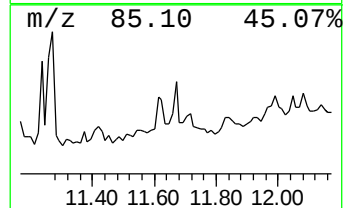
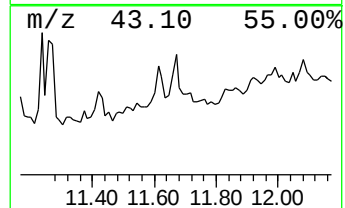
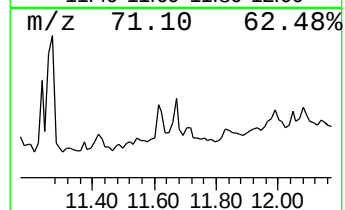
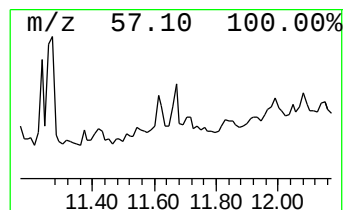
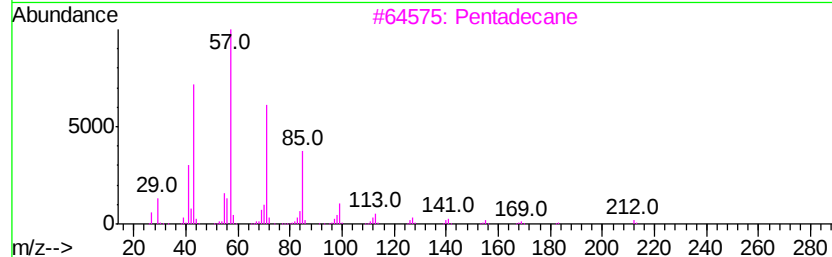
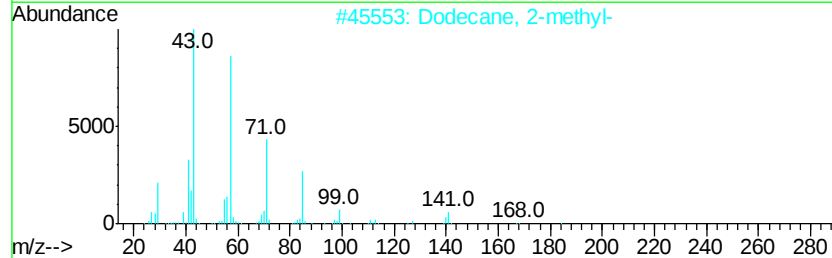
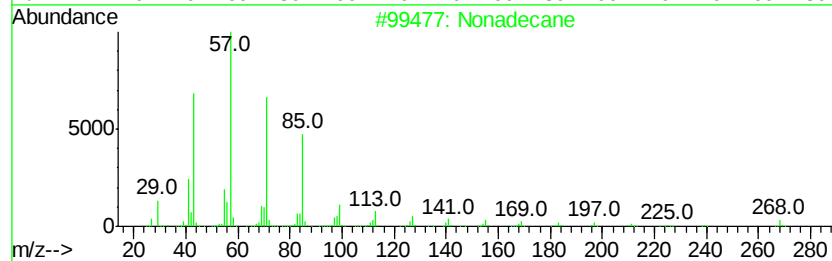
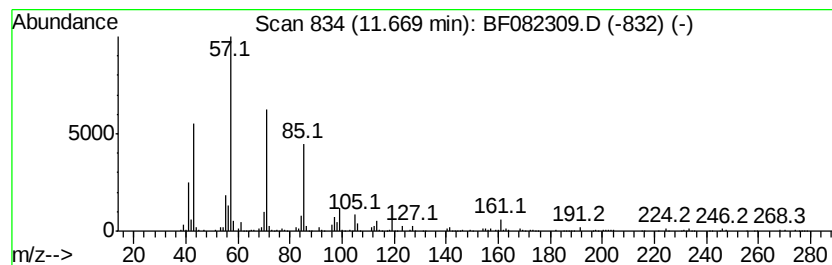
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Dodecane, 2-methyl- Concentration Rank 20

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.67 | 12.51 ng | 395065 | Phenanthrene-d10 | 11.37 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane            | 268 | C19H40  | 000629-92-5 | 87   |
| 2    |    | Dodecane, 2-methyl-   | 184 | C13H28  | 001560-97-0 | 72   |
| 3    |    | Pentadecane           | 212 | C15H32  | 000629-62-9 | 72   |
| 4    |    | Nonane, 3,7-dimethyl- | 156 | C11H24  | 017302-32-8 | 64   |
| 5    |    | Tridecane, 3-methyl-  | 198 | C14H30  | 006418-41-3 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101615\  
 Data File : BF082309.D  
 Acq On : 15 Oct 2015 15:10  
 Operator : UM/IZ  
 Sample : G4015-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-3

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.99  | 39.4    | ng    | 969165   | 1                     | 6.82  | 491467 | 20.0 |
| Benzene, 1-ethyl-... | 6.34  | 60.2    | ng    | 1478420  | 1                     | 6.82  | 491467 | 20.0 |
| Benzene, 1-ethyl-... | 6.38  | 17.8    | ng    | 436173   | 1                     | 6.82  | 491467 | 20.0 |
| unknown6.59          | 6.59  | 49.7    | ng    | 1221240  | 1                     | 6.82  | 491467 | 20.0 |
| Benzene, 1,2,3-tr... | 6.65  | 104.4   | ng    | 2565090  | 1                     | 6.82  | 491467 | 20.0 |
| Hexadecane           | 8.71  | 17.3    | ng    | 525794   | 2                     | 8.11  | 609199 | 20.0 |
| Nonane, 2,2,4,4,6... | 8.88  | 47.8    | ng    | 1454490  | 2                     | 8.11  | 609199 | 20.0 |
| Dodecane, 2,7,10-... | 9.13  | 25.7    | ng    | 1104430  | 3                     | 9.87  | 859161 | 20.0 |
| Tridecane            | 9.28  | 24.2    | ng    | 1040470  | 3                     | 9.87  | 859161 | 20.0 |
| Metacetamol          | 9.33  | 43.5    | ng    | 1870960  | 3                     | 9.87  | 859161 | 20.0 |
| Pentadecane          | 9.81  | 38.6    | ng    | 1659540  | 3                     | 9.87  | 859161 | 20.0 |
| Dodecane             | 10.13 | 14.2    | ng    | 611695   | 3                     | 9.87  | 859161 | 20.0 |
| Heptadecane          | 10.31 | 43.0    | ng    | 1848240  | 3                     | 9.87  | 859161 | 20.0 |
| Heptacosane          | 10.53 | 28.6    | ng    | 1227910  | 3                     | 9.87  | 859161 | 20.0 |
| Tridecane, 5-propyl- | 10.79 | 80.0    | ng    | 2526890  | 4                     | 11.37 | 631511 | 20.0 |
| Tetracosane          | 11.27 | 60.0    | ng    | 1893720  | 4                     | 11.37 | 631511 | 20.0 |
| Dodecane, 2-methyl-  | 11.67 | 12.5    | ng    | 395065   | 4                     | 11.37 | 631511 | 20.0 |