

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
 Data File : BF081731.D  
 Acq On : 22 Sep 2015 3:14  
 Operator : UM/IZ  
 Sample : G3747-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2

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-BF090115.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         | 1.178       | 5             | 8           | 10           | rBV      | 680955         | 848894        | 7.61%           | 0.685%        |
| 2         | 1.441       | 30            | 31          | 37           | rBV      | 58280          | 152049        | 1.36%           | 0.123%        |
| 3         | 1.533       | 37            | 39          | 75           | rVB      | 643251         | 2246230       | 20.14%          | 1.813%        |
| 4         | 4.196       | 269           | 272         | 278          | rVV3     | 65344          | 185063        | 1.66%           | 0.149%        |
| 5         | 4.298       | 278           | 281         | 286          | rVV2     | 46184          | 121017        | 1.08%           | 0.098%        |
| 6         | 4.424       | 287           | 292         | 303          | rVB      | 184229         | 539200        | 4.83%           | 0.435%        |
| 7         | 4.961       | 335           | 339         | 341          | rBV      | 69082          | 145541        | 1.30%           | 0.117%        |
| 8         | 5.019       | 341           | 344         | 349          | rVV2     | 90012          | 203489        | 1.82%           | 0.164%        |
| 9         | 5.167       | 353           | 357         | 363          | rVB      | 131261         | 300088        | 2.69%           | 0.242%        |
| 10        | 5.316       | 367           | 370         | 378          | rVV      | 383982         | 864099        | 7.75%           | 0.697%        |
| 11        | 5.453       | 378           | 382         | 387          | rVV4     | 44066          | 167528        | 1.50%           | 0.135%        |
| 12        | 5.556       | 387           | 391         | 395          | rVB      | 112919         | 226940        | 2.03%           | 0.183%        |
| 13        | 5.636       | 395           | 398         | 403          | rBV      | 78479          | 167527        | 1.50%           | 0.135%        |
| 14        | 5.990       | 425           | 429         | 432          | rBV2     | 91152          | 193550        | 1.74%           | 0.156%        |
| 15        | 6.253       | 449           | 452         | 456          | rVB4     | 75013          | 187910        | 1.68%           | 0.152%        |
| 16        | 6.379       | 460           | 463         | 468          | rVB2     | 79658          | 171991        | 1.54%           | 0.139%        |
| 17        | 6.504       | 468           | 474         | 478          | rBV      | 239782         | 601472        | 5.39%           | 0.485%        |
| 18        | 6.596       | 478           | 482         | 486          | rVB      | 348338         | 726653        | 6.51%           | 0.586%        |
| 19        | 6.699       | 487           | 491         | 494          | rBV      | 230211         | 504086        | 4.52%           | 0.407%        |
| 20        | 6.744       | 494           | 495         | 499          | rVB2     | 65170          | 114605        | 1.03%           | 0.092%        |
| 21        | 6.847       | 501           | 504         | 507          | rVB2     | 54989          | 118225        | 1.06%           | 0.095%        |
| 22        | 7.019       | 511           | 519         | 522          | rBV2     | 236068         | 809331        | 7.26%           | 0.653%        |
| 23        | 7.076       | 522           | 524         | 526          | rBV      | 97507          | 156837        | 1.41%           | 0.127%        |
| 24        | 7.133       | 526           | 529         | 530          | rBV      | 99922          | 207067        | 1.86%           | 0.167%        |
| 25        | 7.179       | 530           | 533         | 537          | rVV2     | 353494         | 928144        | 8.32%           | 0.749%        |
| 26        | 7.247       | 537           | 539         | 547          | rVB      | 409441         | 1083740       | 9.72%           | 0.875%        |
| 27        | 7.373       | 547           | 550         | 556          | rBV3     | 486868         | 1484210       | 13.31%          | 1.198%        |
| 28        | 7.602       | 566           | 570         | 576          | rBV2     | 595849         | 2286210       | 20.49%          | 1.845%        |
| 29        | 7.693       | 576           | 578         | 585          | rVB2     | 487965         | 1163702       | 10.43%          | 0.939%        |
| 30        | 7.807       | 585           | 588         | 592          | rBV      | 607468         | 1482851       | 13.29%          | 1.197%        |
| 31        | 7.945       | 598           | 600         | 603          | rVB2     | 93772          | 150976        | 1.35%           | 0.122%        |
| 32        | 8.093       | 607           | 613         | 616          | rBV4     | 205209         | 724667        | 6.50%           | 0.585%        |
| 33        | 8.185       | 618           | 621         | 623          | rBV2     | 91683          | 191728        | 1.72%           | 0.155%        |
| 34        | 8.287       | 627           | 630         | 633          | rBV      | 146473         | 342227        | 3.07%           | 0.276%        |

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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2

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-BF090115.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 35 | 8.367  | 633  | 637  | 642  | rBV2 | 782194  | 2511865  | 22.52%  | 2.027% |
| 36 | 8.562  | 650  | 654  | 655  | rBV  | 406480  | 868420   | 7.78%   | 0.701% |
| 37 | 8.596  | 655  | 657  | 660  | rVV2 | 390840  | 949801   | 8.51%   | 0.767% |
| 38 | 8.665  | 660  | 663  | 668  | rVB3 | 342772  | 1096496  | 9.83%   | 0.885% |
| 39 | 8.813  | 673  | 676  | 678  | rBV2 | 192846  | 318873   | 2.86%   | 0.257% |
| 40 | 8.870  | 678  | 681  | 687  | rBV6 | 169413  | 635634   | 5.70%   | 0.513% |
| 41 | 9.008  | 687  | 693  | 695  | rBV4 | 754816  | 3209428  | 28.77%  | 2.590% |
| 42 | 9.053  | 695  | 697  | 701  | rVB  | 429326  | 881528   | 7.90%   | 0.711% |
| 43 | 9.145  | 701  | 705  | 709  | rVB  | 679102  | 1755707  | 15.74%  | 1.417% |
| 44 | 9.248  | 710  | 714  | 717  | rVB  | 478978  | 1214881  | 10.89%  | 0.980% |
| 45 | 9.328  | 717  | 721  | 723  | rBV2 | 412113  | 1099324  | 9.85%   | 0.887% |
| 46 | 9.488  | 731  | 735  | 738  | rBV3 | 748839  | 2127993  | 19.08%  | 1.717% |
| 47 | 10.013 | 776  | 781  | 783  | rBV4 | 870878  | 2798295  | 25.09%  | 2.258% |
| 48 | 10.082 | 784  | 787  | 793  | rVB3 | 879078  | 3577415  | 32.07%  | 2.887% |
| 49 | 10.265 | 800  | 803  | 806  | rBV3 | 399210  | 934349   | 8.38%   | 0.754% |
| 50 | 11.236 | 878  | 888  | 893  | rBV4 | 1241737 | 8656106  | 77.60%  | 6.986% |
| 51 | 11.648 | 913  | 924  | 928  | rBV  | 1445655 | 9605381  | 86.11%  | 7.752% |
| 52 | 16.208 | 1321 | 1323 | 1327 | rVB4 | 947570  | 2340072  | 20.98%  | 1.889% |
| 53 | 16.403 | 1336 | 1340 | 1341 | rBV2 | 879435  | 2174665  | 19.49%  | 1.755% |
| 54 | 16.825 | 1373 | 1377 | 1389 | rVB6 | 1320986 | 7168983  | 64.27%  | 5.786% |
| 55 | 17.305 | 1410 | 1419 | 1422 | rBV2 | 2247841 | 10479055 | 93.94%  | 8.457% |
| 56 | 17.637 | 1446 | 1448 | 1457 | rVB5 | 836274  | 2566839  | 23.01%  | 2.072% |
| 57 | 17.980 | 1471 | 1478 | 1483 | rVB  | 2672048 | 11155133 | 100.00% | 9.003% |
| 58 | 18.597 | 1529 | 1532 | 1535 | rVB4 | 788212  | 1789491  | 16.04%  | 1.444% |
| 59 | 19.054 | 1563 | 1572 | 1575 | rBV  | 2322107 | 9797310  | 87.83%  | 7.907% |
| 60 | 19.854 | 1638 | 1642 | 1646 | rVB2 | 1265844 | 3493097  | 31.31%  | 2.819% |
| 61 | 20.369 | 1684 | 1687 | 1694 | rVB2 | 705786  | 1853896  | 16.62%  | 1.496% |
| 62 | 20.609 | 1706 | 1708 | 1710 | rBV  | 272126  | 416599   | 3.73%   | 0.336% |
| 63 | 20.940 | 1735 | 1737 | 1739 | rBV2 | 277797  | 387615   | 3.47%   | 0.313% |
| 64 | 21.112 | 1749 | 1752 | 1754 | rBV  | 487137  | 935614   | 8.39%   | 0.755% |
| 65 | 21.237 | 1759 | 1763 | 1765 | rBV  | 828480  | 1693263  | 15.18%  | 1.367% |
| 66 | 21.283 | 1765 | 1767 | 1772 | rVB2 | 477818  | 1088161  | 9.75%   | 0.878% |
| 67 | 21.363 | 1772 | 1774 | 1777 | rVV  | 617262  | 1180755  | 10.58%  | 0.953% |
| 68 | 21.443 | 1779 | 1781 | 1783 | rVB2 | 306732  | 379934   | 3.41%   | 0.307% |
| 69 | 21.900 | 1819 | 1821 | 1823 | rBV2 | 388578  | 581835   | 5.22%   | 0.470% |
| 70 | 21.957 | 1823 | 1826 | 1828 | rVB  | 399237  | 658182   | 5.90%   | 0.531% |
| 71 | 22.095 | 1836 | 1838 | 1841 | rBV  | 597622  | 939477   | 8.42%   | 0.758% |

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Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

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-BF090115.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |       |        |
|----|--------|------|------|------|-----|--------|--------|-------|--------|
| 72 | 22.232 | 1848 | 1850 | 1853 | rVB | 172861 | 232612 | 2.09% | 0.188% |
| 73 | 23.318 | 1942 | 1945 | 1947 | rBV | 85136  | 141349 | 1.27% | 0.114% |
| 74 | 23.363 | 1947 | 1949 | 1951 | rVB | 158381 | 225439 | 2.02% | 0.182% |
| 75 | 24.792 | 2071 | 2074 | 2079 | rVB | 130382 | 189836 | 1.70% | 0.153% |

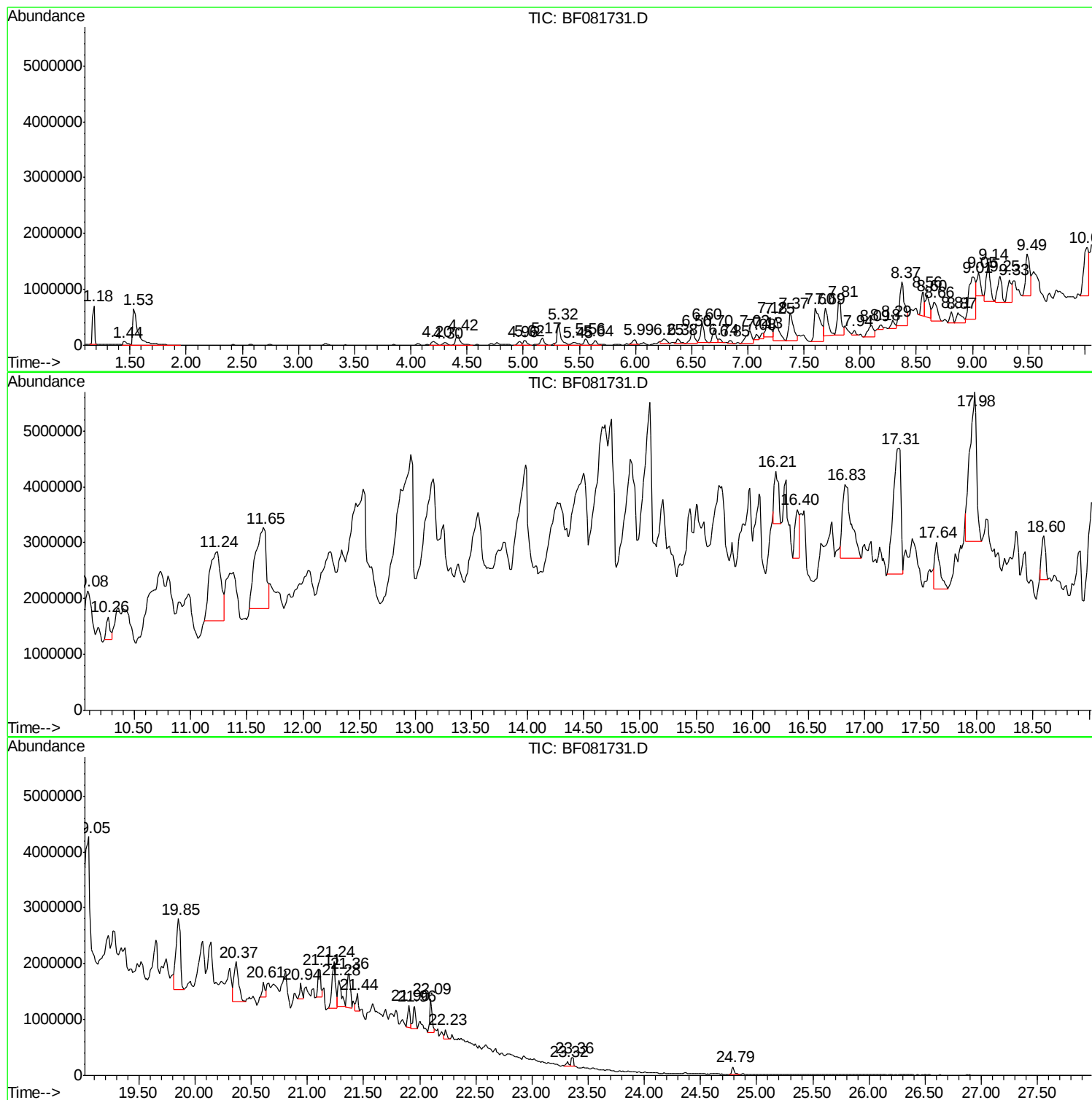
Sum of corrected areas: 123908555

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
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Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

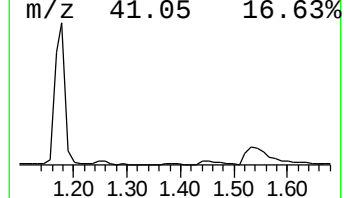
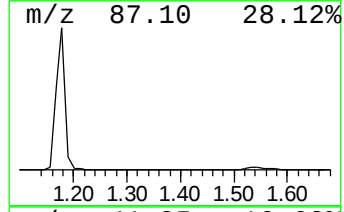
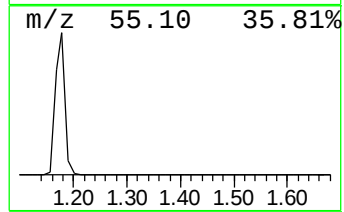
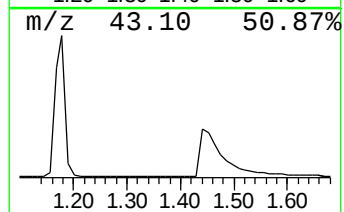
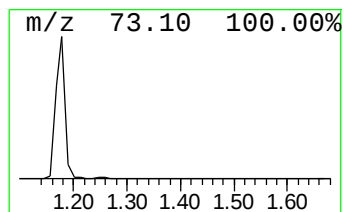
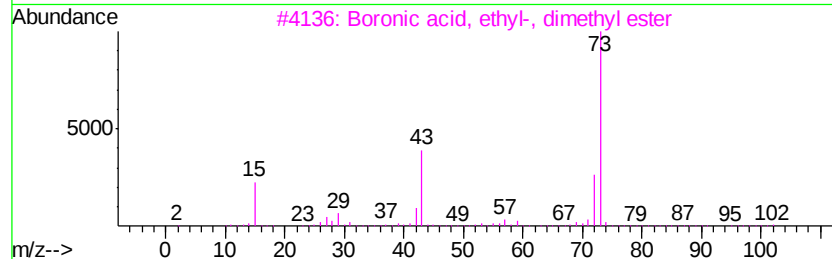
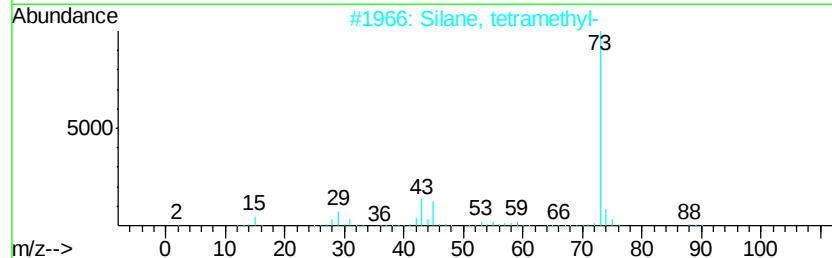
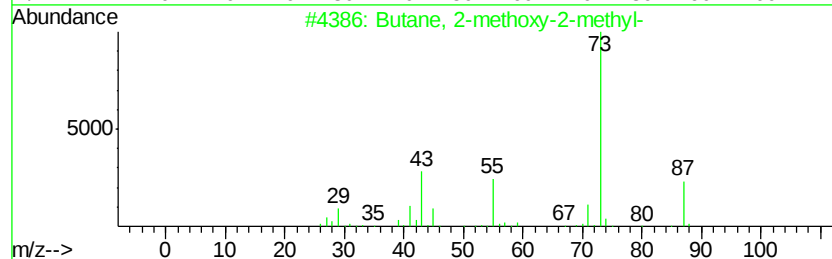
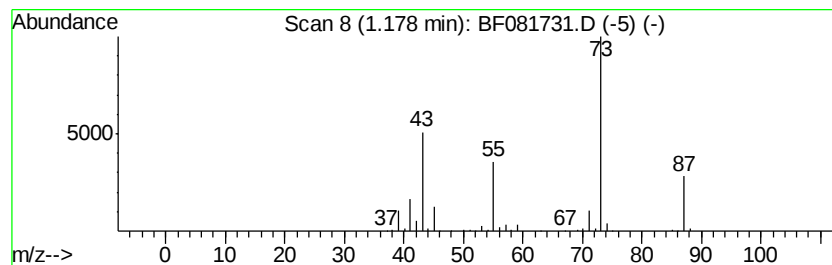
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 19

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.18 | 88.55 ng | 848894 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    | Silane, tetramethyl-                | 88  | C4H12Si  | 000075-76-3 | 32   |
| 3    |    | Boronic acid, ethyl-, dimethyl e... | 102 | C4H11BO2 | 007318-82-3 | 10   |
| 4    |    | Acetamide, N-ethyl-                 | 87  | C4H9NO   | 000625-50-3 | 9    |
| 5    |    | 1,3-Dioxolane, 2-methyl-            | 88  | C4H8O2   | 000497-26-7 | 9    |



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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

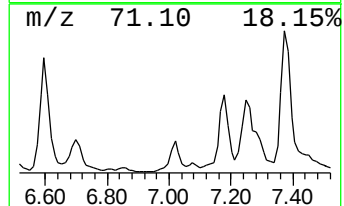
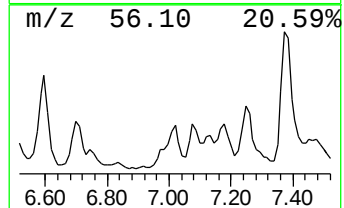
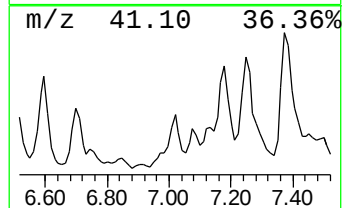
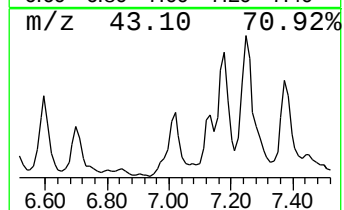
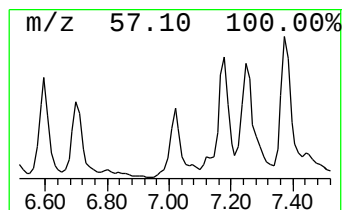
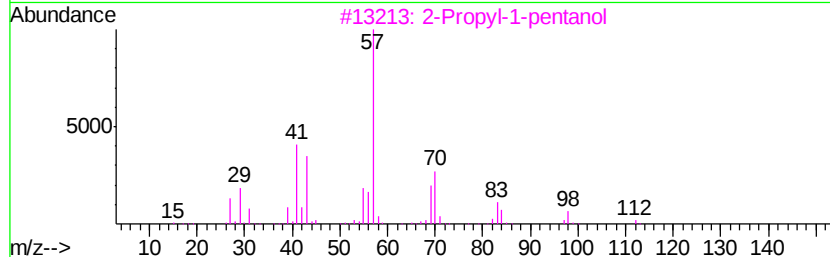
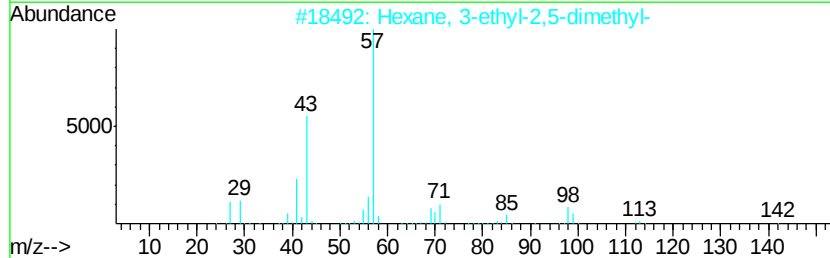
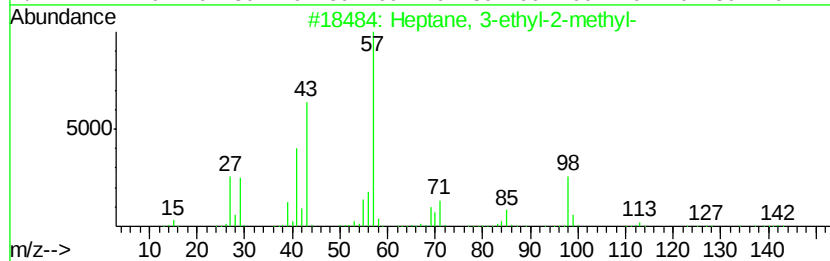
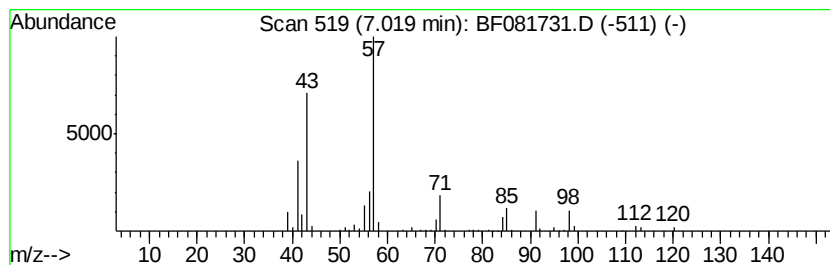
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 20

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.02 | 84.42 ng | 809331 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptane, 3-ethyl-2-methyl-    | 142 | C10H22  | 014676-29-0 | 59   |
| 2    |    | Hexane, 3-ethyl-2,5-dimethyl- | 142 | C10H22  | 052897-04-8 | 53   |
| 3    |    | 2-Propyl-1-pentanol           | 130 | C8H18O  | 058175-57-8 | 50   |
| 4    |    | 1-Hexanol, 2-ethyl-           | 130 | C8H18O  | 000104-76-7 | 47   |
| 5    |    | Butane, 2,2-dimethyl-         | 86  | C6H14   | 000075-83-2 | 43   |



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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

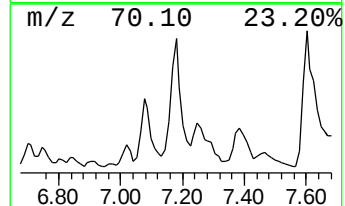
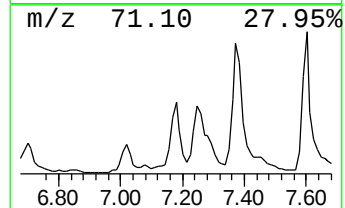
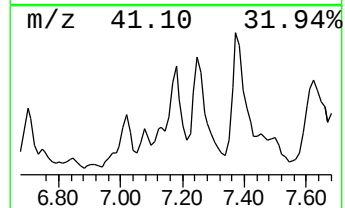
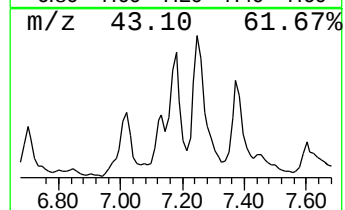
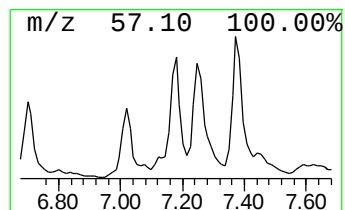
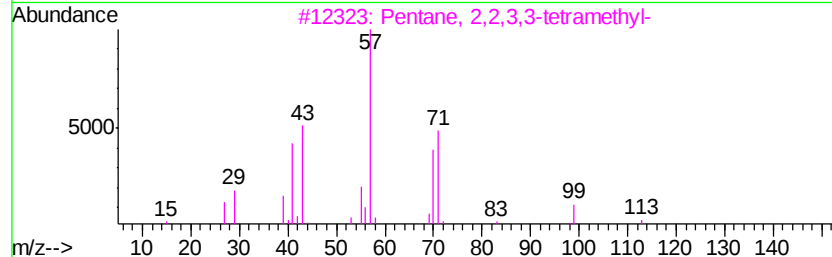
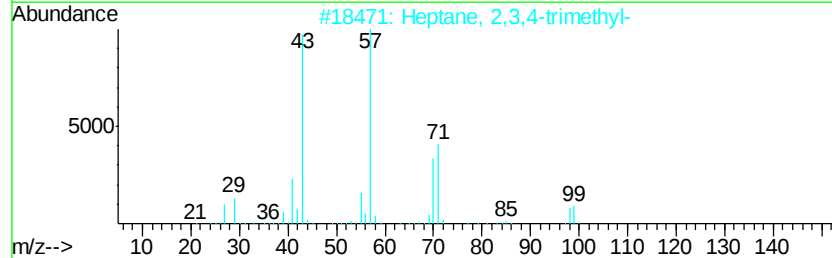
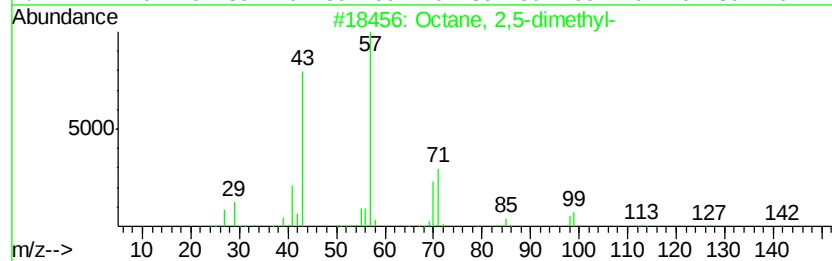
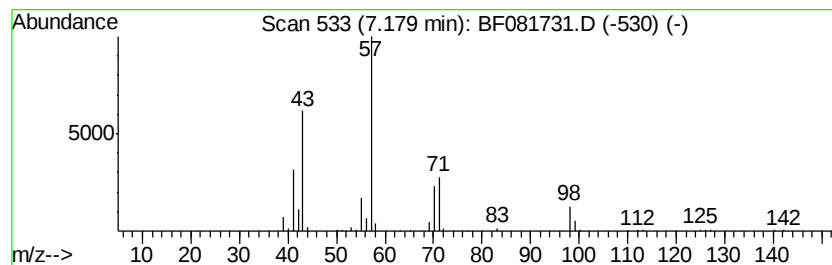
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octane, 2,5-dimethyl- Concentration Rank 15

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.18 | 96.82 ng | 928144 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 2,5-dimethyl-         | 142 | C10H22  | 015869-89-3 | 80   |
| 2    |    | Heptane, 2,3,4-trimethyl-     | 142 | C10H22  | 052896-95-4 | 59   |
| 3    |    | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20   | 007154-79-2 | 53   |
| 4    |    | Undecane, 2,6-dimethyl-       | 184 | C13H28  | 017301-23-4 | 53   |
| 5    |    | Undecane, 2,5-dimethyl-       | 184 | C13H28  | 017301-22-3 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

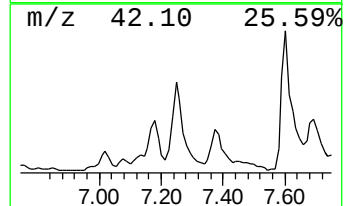
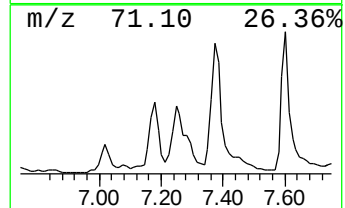
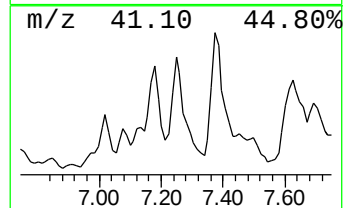
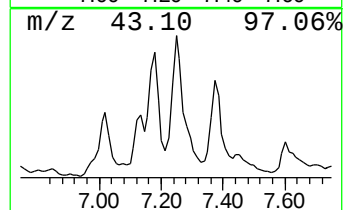
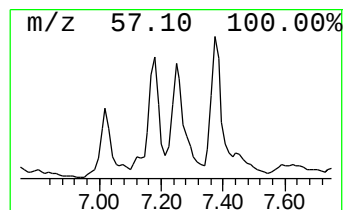
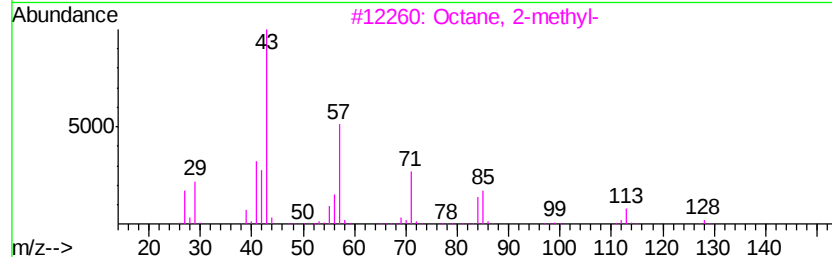
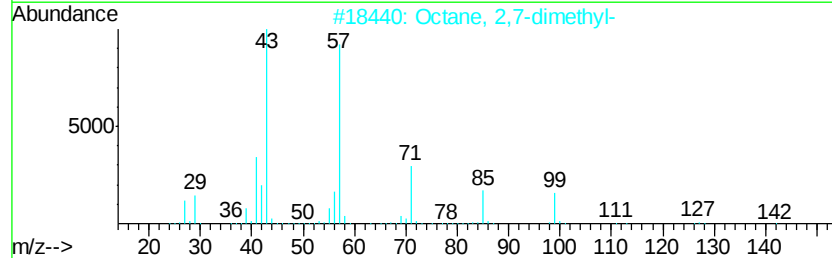
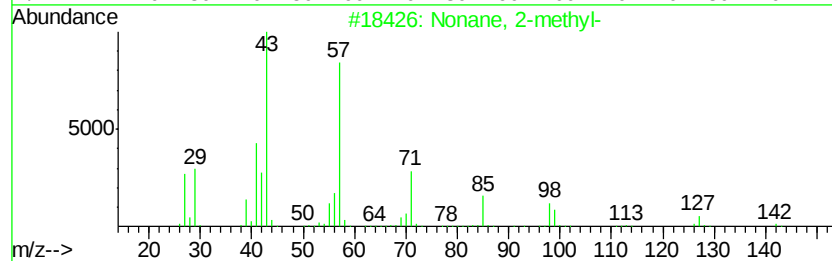
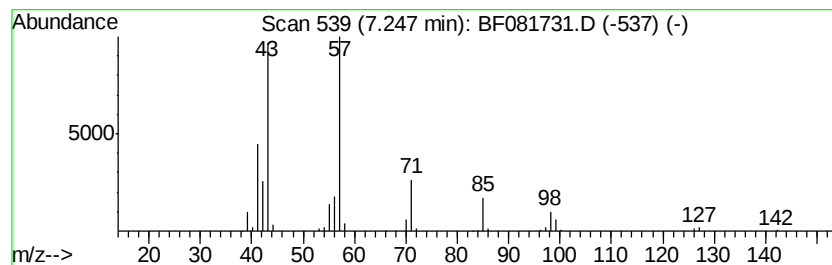
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ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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 Nonane, 2-methyl- Concentration Rank 12

| R.T.    | EstConc               | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------|--------------|------------------------|-----------|
| 7.25    | 113.05 ng             | 1083740      | 1,4-Dichlorobenzene-d4 | 8.17      |
| Hit# of | 5                     | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Nonane, 2-methyl-     | 142 C10H22   | 000871-83-0            | 78        |
| 2       | Octane, 2,7-dimethyl- | 142 C10H22   | 001072-16-8            | 64        |
| 3       | Octane, 2-methyl-     | 128 C9H20    | 003221-61-2            | 59        |
| 4       | Octane, 4-ethyl-      | 142 C10H22   | 015869-86-0            | 53        |
| 5       | Decane, 1-fluoro-     | 160 C10H21F  | 000334-56-5            | 50        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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

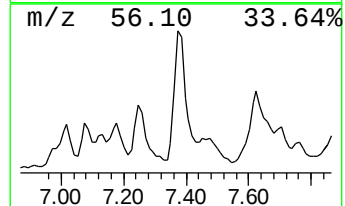
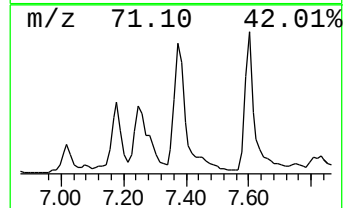
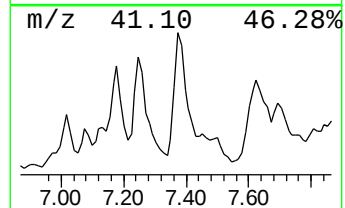
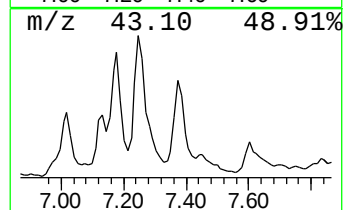
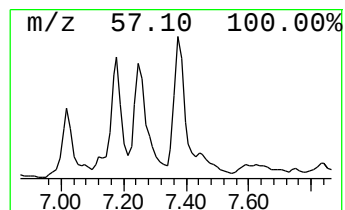
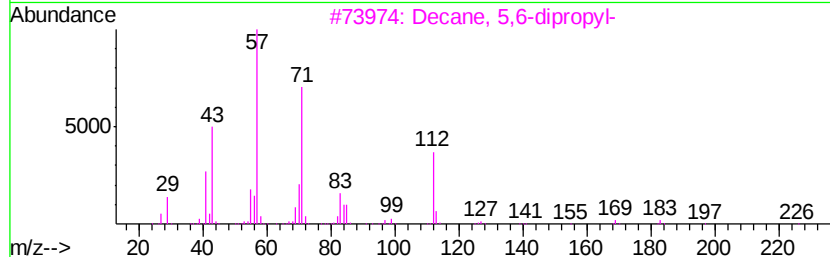
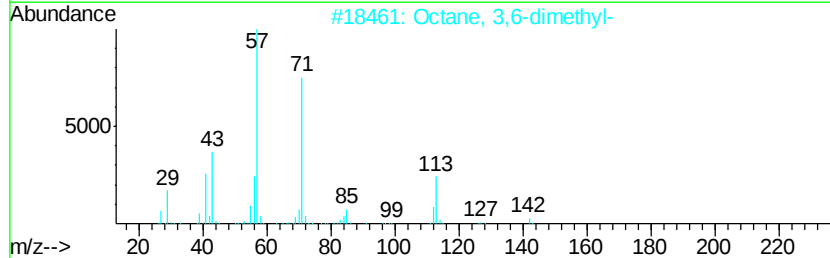
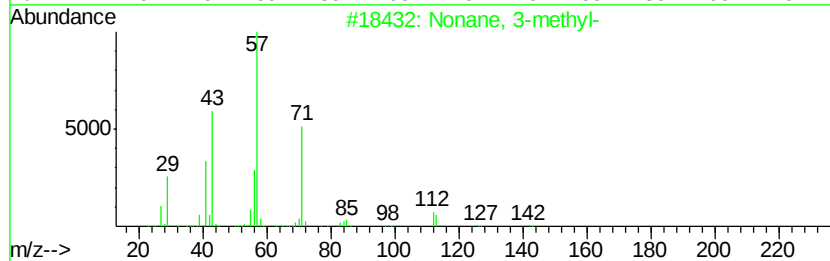
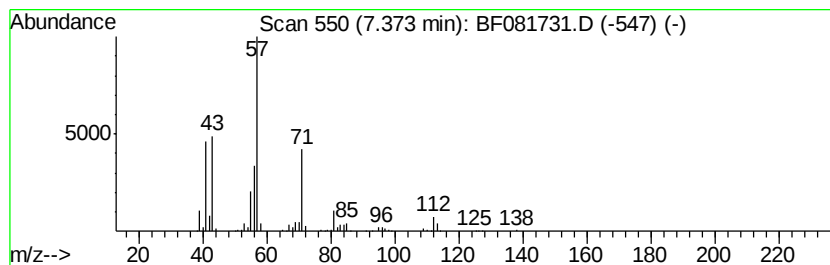
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Nonane, 3-methyl- Concentration Rank 5

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.37 | 154.83 ng | 1484210 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 3-methyl-     | 142 | C10H22  | 005911-04-6 | 72   |
| 2    |    |   | Octane, 3,6-dimethyl- | 142 | C10H22  | 015869-94-0 | 72   |
| 3    |    |   | Decane, 5,6-dipropyl- | 226 | C16H34  | 119209-20-0 | 53   |
| 4    |    |   | Butane, 2,2-dimethyl- | 86  | C6H14   | 000075-83-2 | 53   |
| 5    |    |   | Tridecane, 7-methyl-  | 198 | C14H30  | 026730-14-3 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
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Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

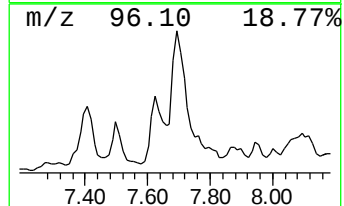
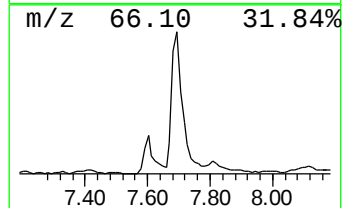
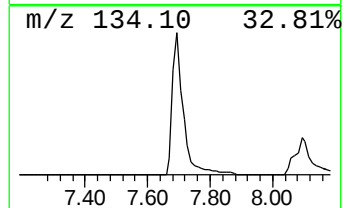
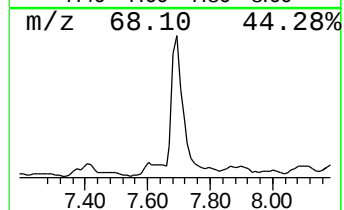
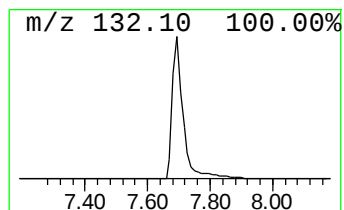
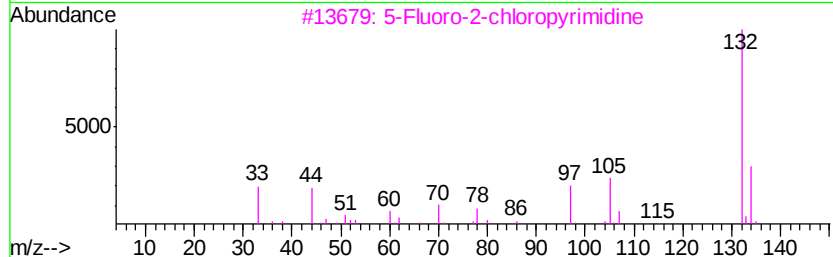
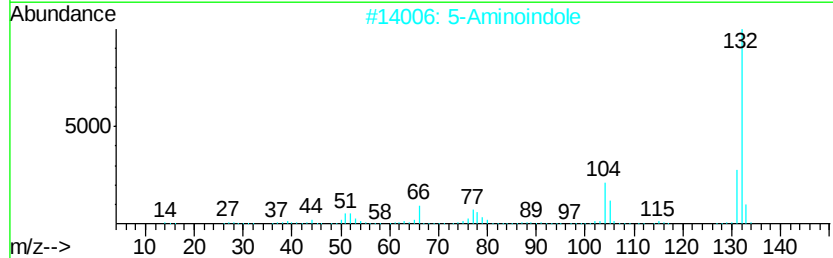
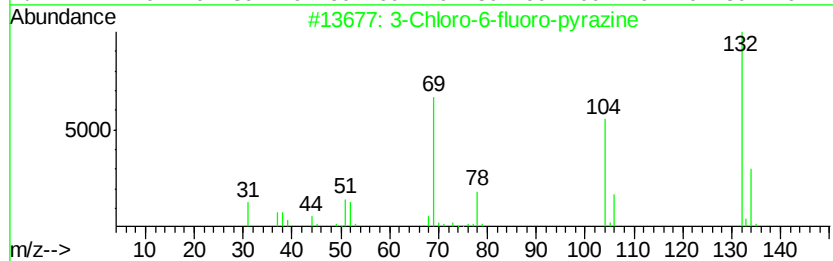
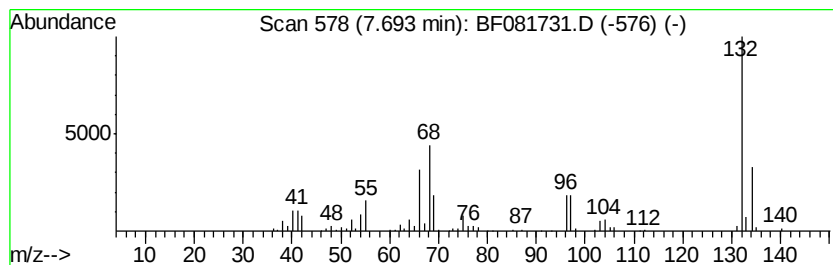
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown7.69 Concentration Rank 9

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.69 | 121.39 ng | 1163700 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 22   |
| 3    |    |   | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 17   |
| 4    |    |   | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    |   | Benzene, 1,2,4-trifluoro-        | 132 | C6H3F3    | 000367-23-7  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

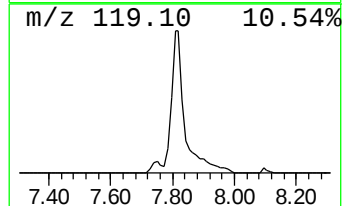
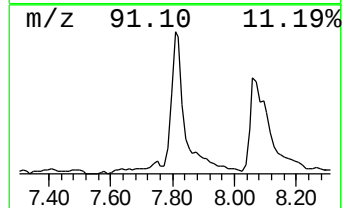
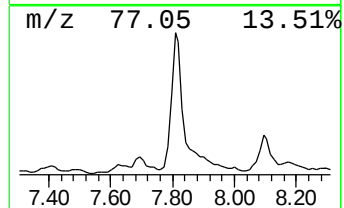
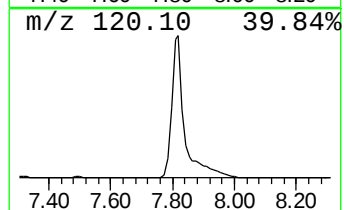
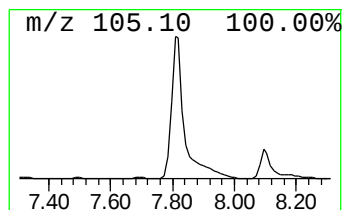
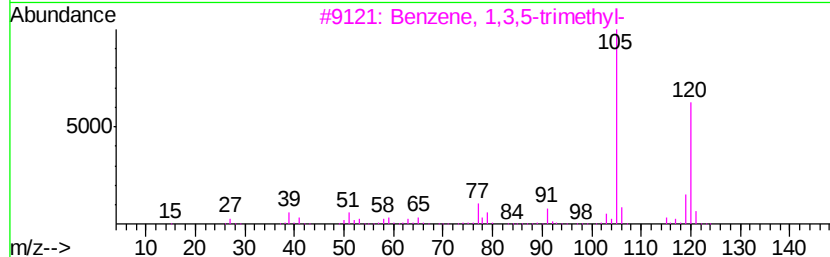
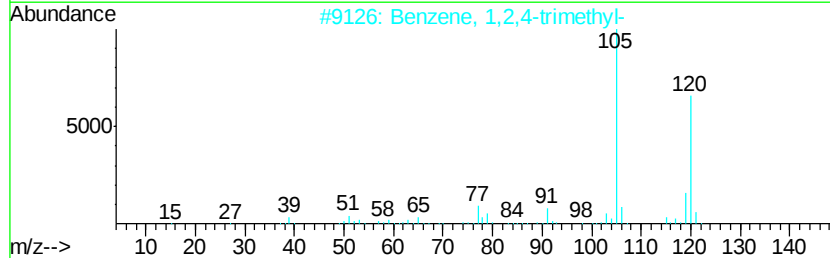
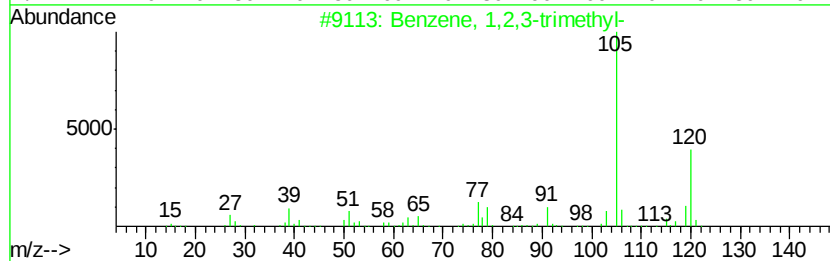
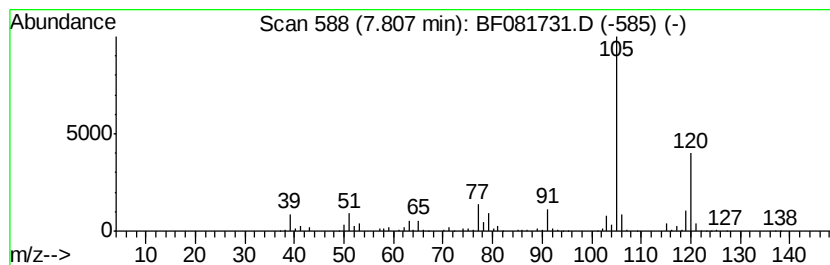
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.81 | 154.68 ng | 1482850 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    | Benzene, 1,3,5-trimethyl-  | 120 | C9H12   | 000108-67-8 | 90   |
| 4    |    | Benzene, (1-methylethyl)-  | 120 | C9H12   | 000098-82-8 | 87   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

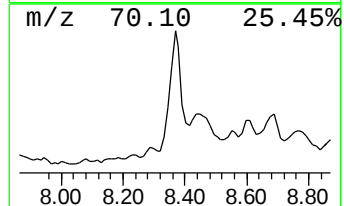
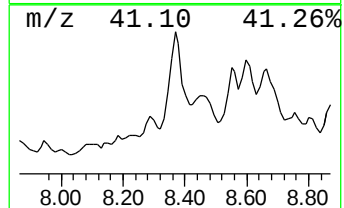
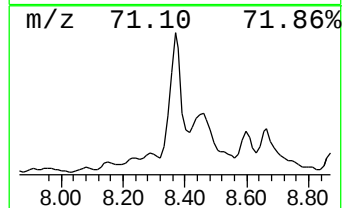
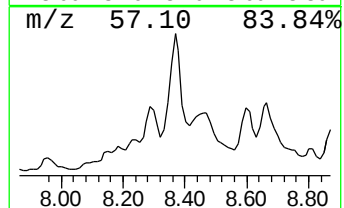
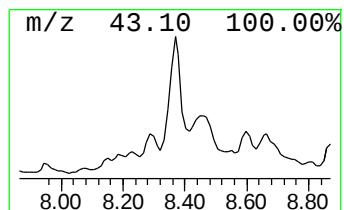
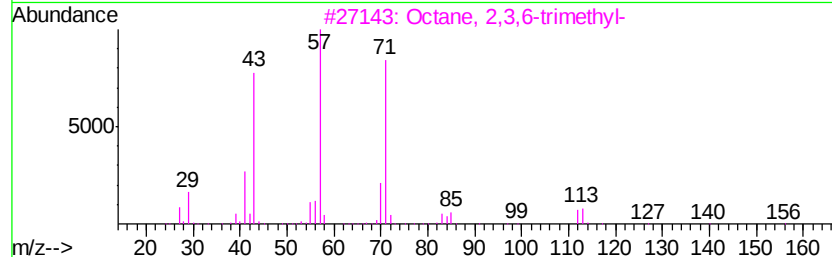
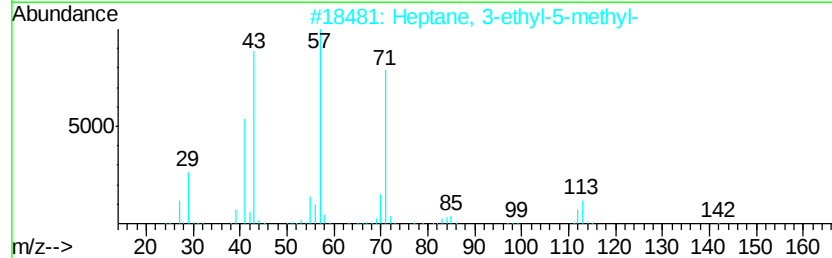
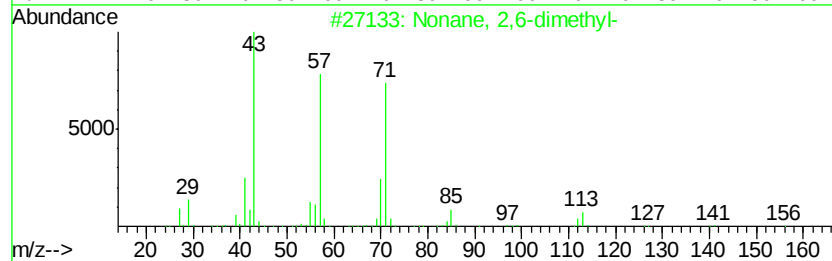
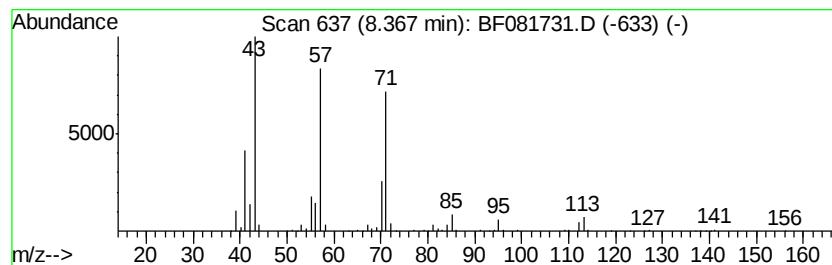
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Nonane, 2,6-dimethyl- Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 8.37 | 262.02 ng | 2511870 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 2,6-dimethyl-      | 156 | C11H24  | 017302-28-2 | 94   |
| 2    |    | Heptane, 3-ethyl-5-methyl- | 142 | C10H22  | 052896-90-9 | 72   |
| 3    |    | Octane, 2,3,6-trimethyl-   | 156 | C11H24  | 062016-33-5 | 72   |
| 4    |    | Hexane, 3,3-dimethyl-      | 114 | C8H18   | 000563-16-6 | 72   |
| 5    |    | Decane, 4-methyl-          | 156 | C11H24  | 002847-72-5 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

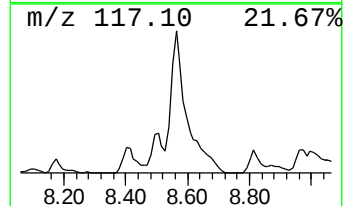
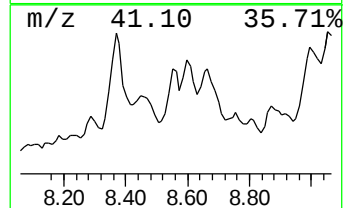
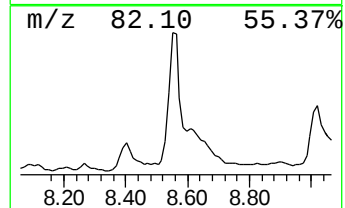
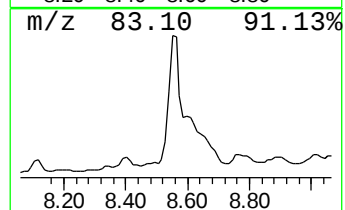
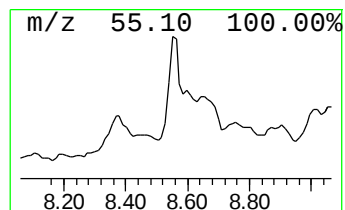
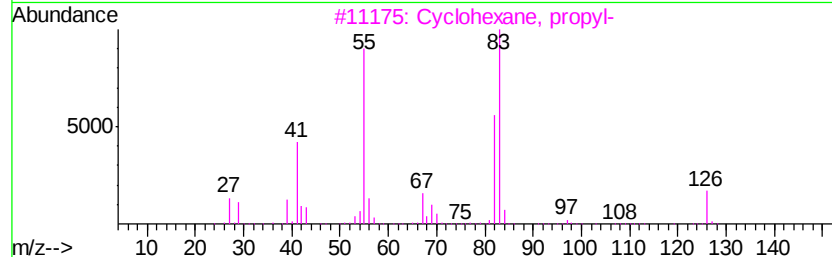
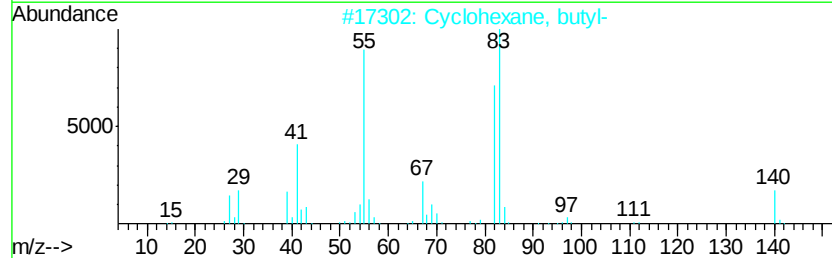
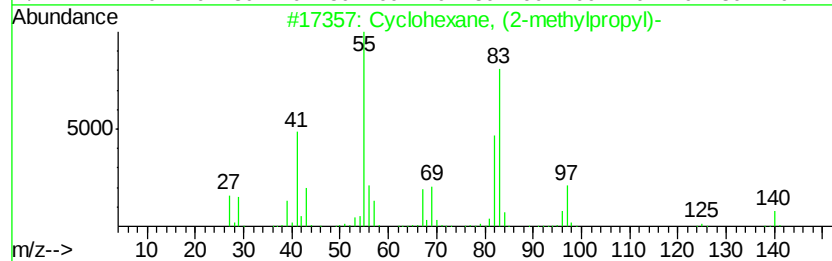
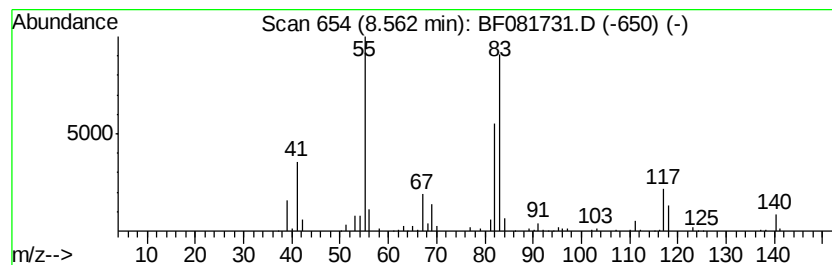
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Cyclohexane, (2-methylpropyl)- Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.56 | 90.59 ng | 868420 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 72   |
| 2    |    |   | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 72   |
| 3    |    |   | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 64   |
| 4    |    |   | Cyclohexane, 2-propenyl-       | 124 | C9H16   | 002114-42-3 | 59   |
| 5    |    |   | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 59   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

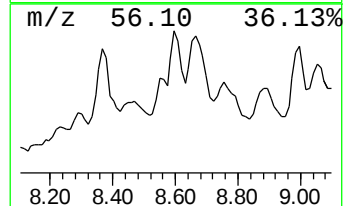
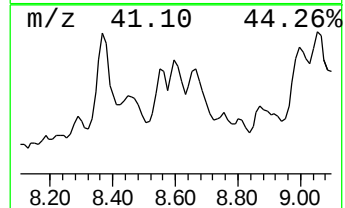
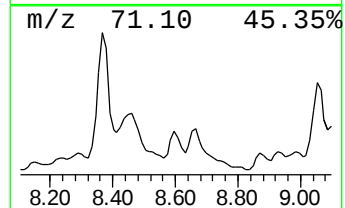
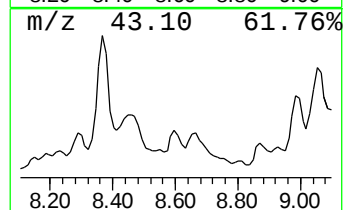
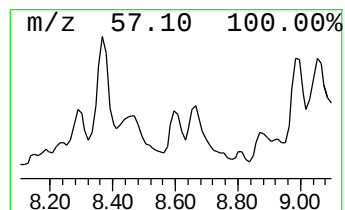
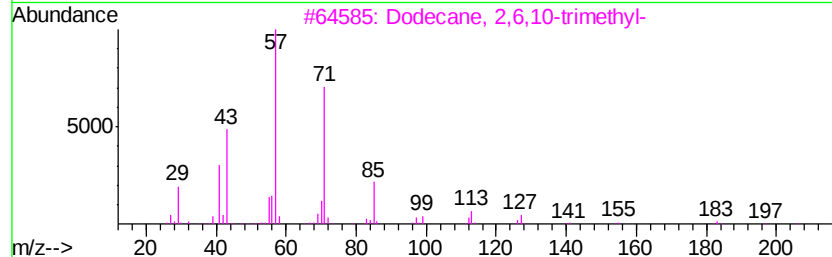
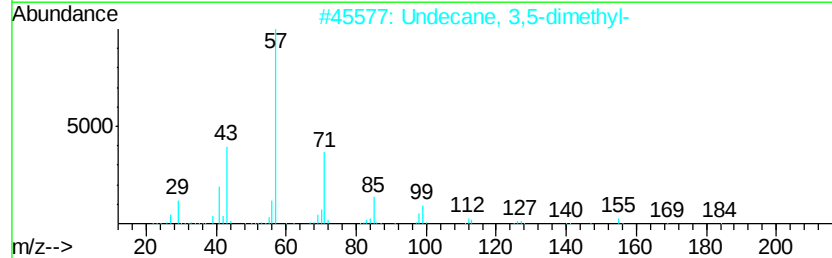
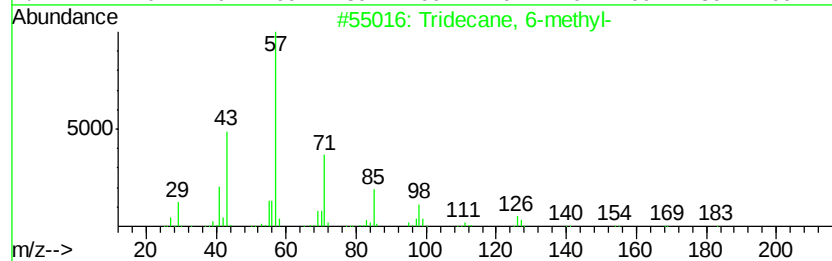
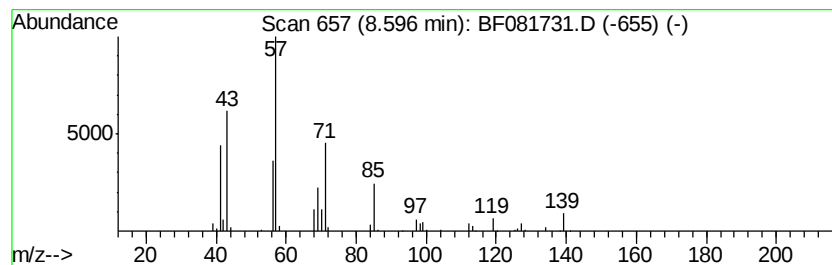
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Tridecane, 6-methyl- Concentration Rank 14

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 8.60 | 99.08 ng | 949801 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 6-methyl-        | 198 | C14H30  | 013287-21-3 | 59   |
| 2    |    | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 53   |
| 3    |    | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 53   |
| 4    |    | Dodecane, 2,5-dimethyl-     | 198 | C14H30  | 056292-65-0 | 53   |
| 5    |    | 1-Octanol, 2-butyl-         | 186 | C12H26O | 003913-02-8 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

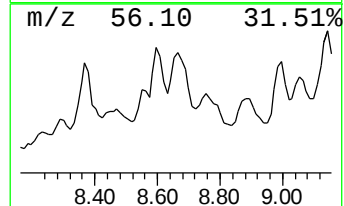
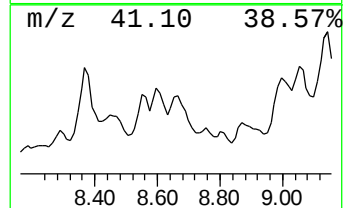
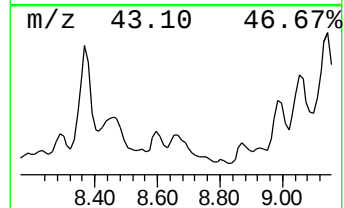
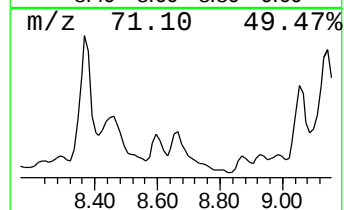
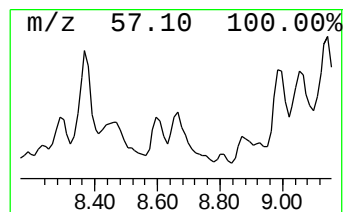
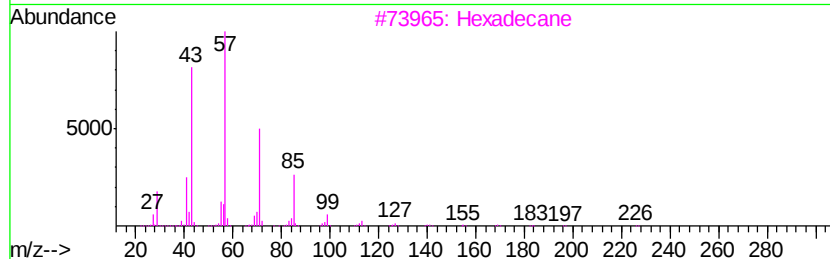
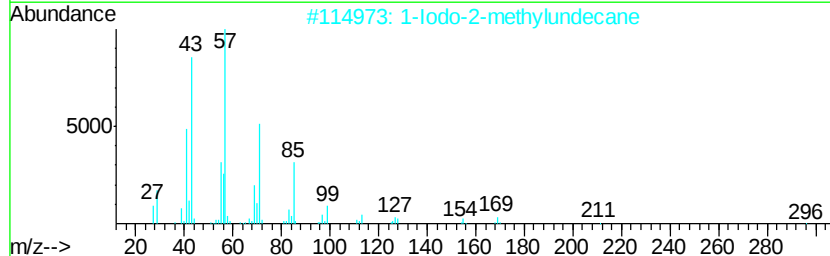
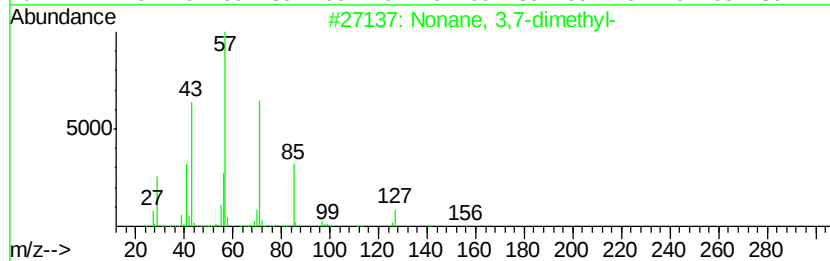
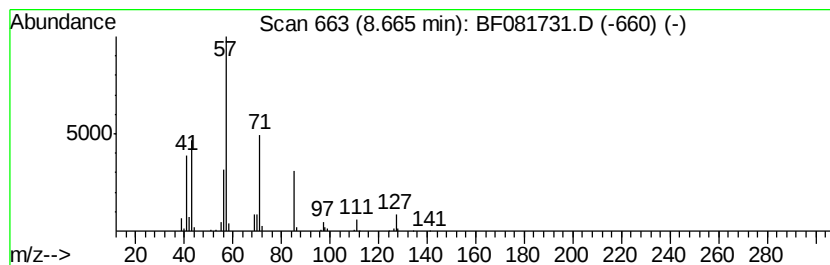
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Nonane, 3,7-dimethyl- Concentration Rank 11

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 8.66 | 114.38 ng | 1096500 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Nonane, 3,7-dimethyl-   | 156 | C11H24  | 017302-32-8 | 78   |
| 2       |   | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 64   |
| 3       |   | Hexadecane              | 226 | C16H34  | 000544-76-3 | 59   |
| 4       |   | Tridecane, 6-methyl-    | 198 | C14H30  | 013287-21-3 | 59   |
| 5       |   | Heptacosane             | 380 | C27H56  | 000593-49-7 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

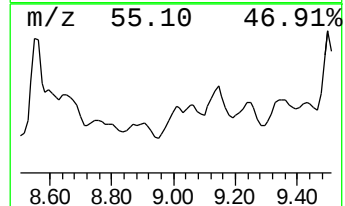
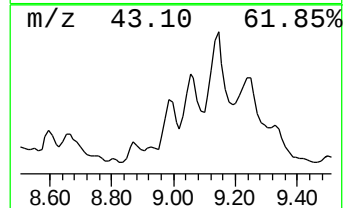
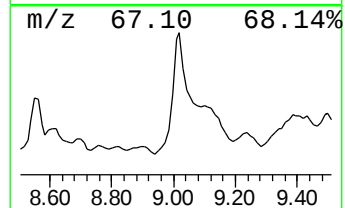
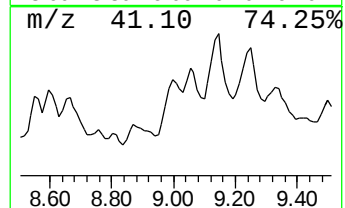
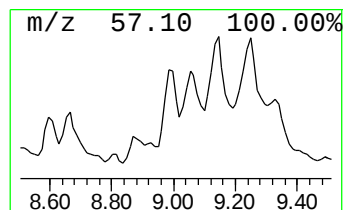
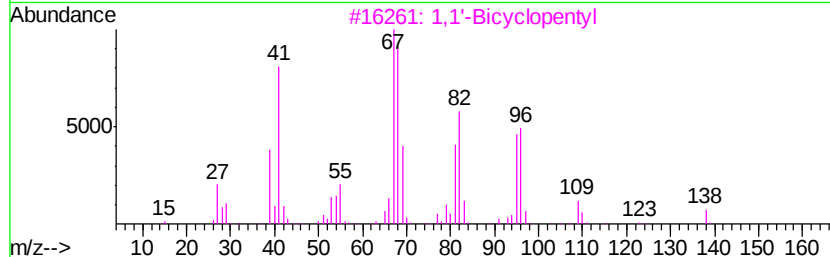
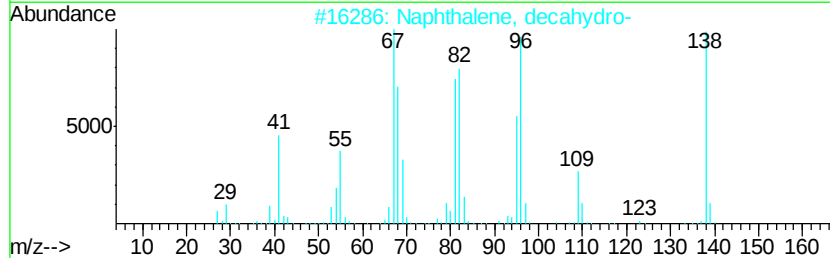
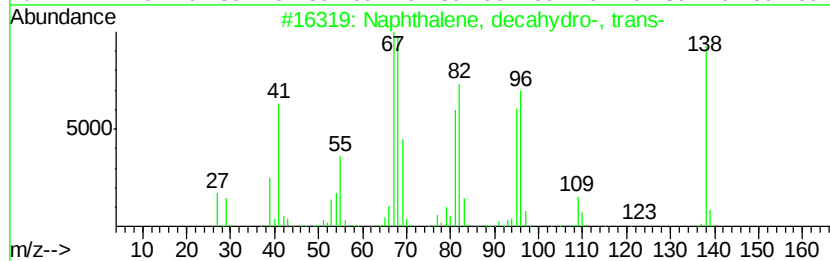
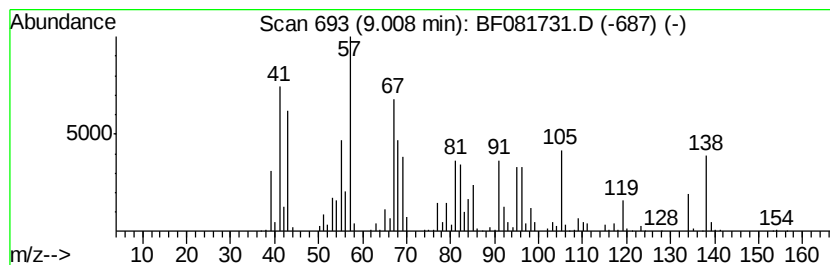
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Naphthalene, decahydro-, tr... Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 9.01 | 334.79 ng | 3209430 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-, trans-     | 138 | C10H18  | 000493-02-7 | 95   |
| 2    |    | Naphthalene, decahydro-             | 138 | C10H18  | 000091-17-8 | 64   |
| 3    |    | 1,1'-Bicyclopentyl                  | 138 | C10H18  | 001636-39-1 | 46   |
| 4    |    | Naphthalene, decahydro-, cis-       | 138 | C10H18  | 000493-01-6 | 45   |
| 5    |    | Cyclopentanone, 2-(2-methylpropy... | 138 | C9H14O  | 016856-72-7 | 41   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

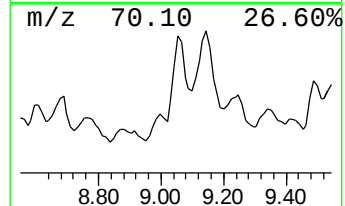
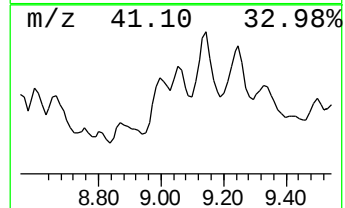
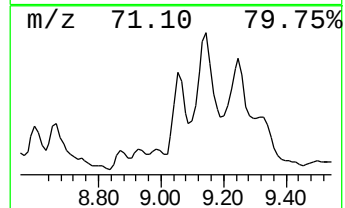
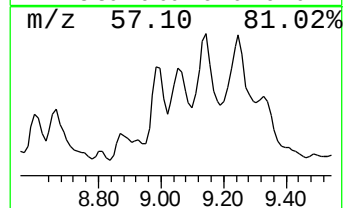
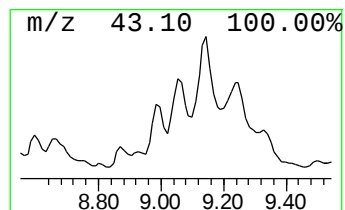
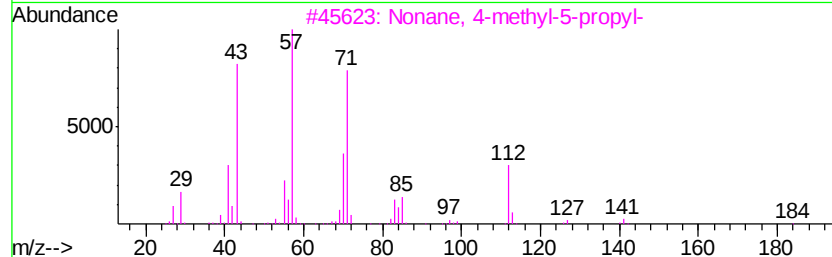
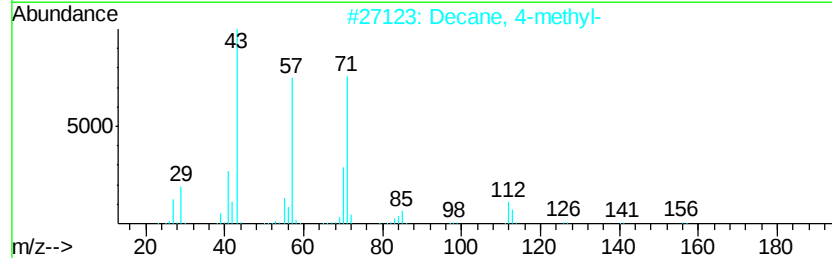
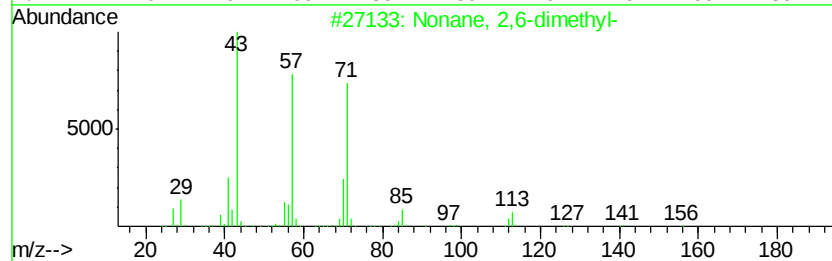
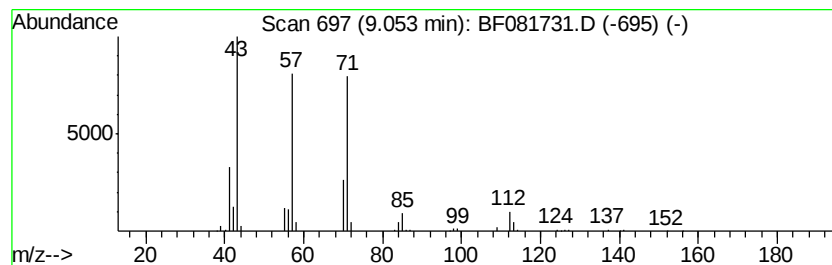
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Decane, 4-methyl- Concentration Rank 17

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 9.05 | 91.96 ng | 881528 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 2,6-dimethyl-      | 156 | C11H24  | 017302-28-2 | 91   |
| 2    |    | Decane, 4-methyl-          | 156 | C11H24  | 002847-72-5 | 83   |
| 3    |    | Nonane, 4-methyl-5-propyl- | 184 | C13H28  | 062185-55-1 | 78   |
| 4    |    | Octane, 2,3,6-trimethyl-   | 156 | C11H24  | 062016-33-5 | 78   |
| 5    |    | Nonane, 2,3-dimethyl-      | 156 | C11H24  | 002884-06-2 | 78   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

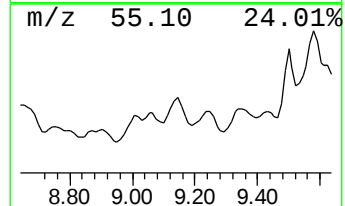
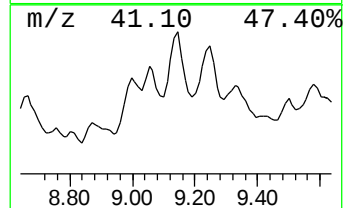
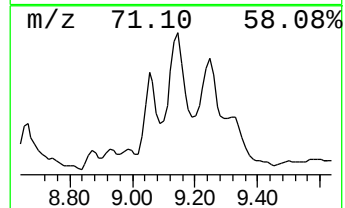
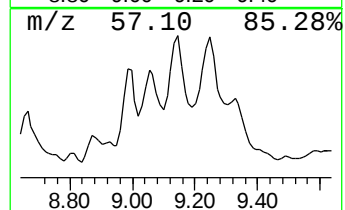
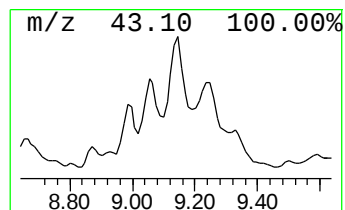
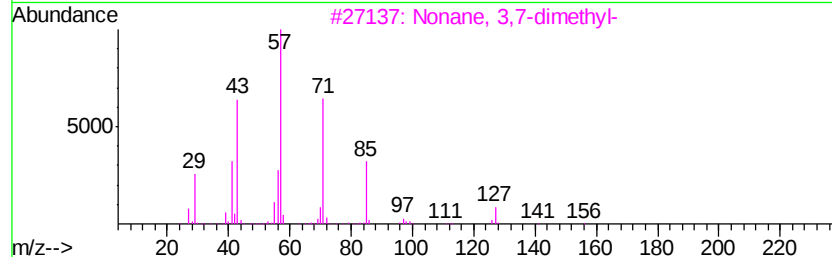
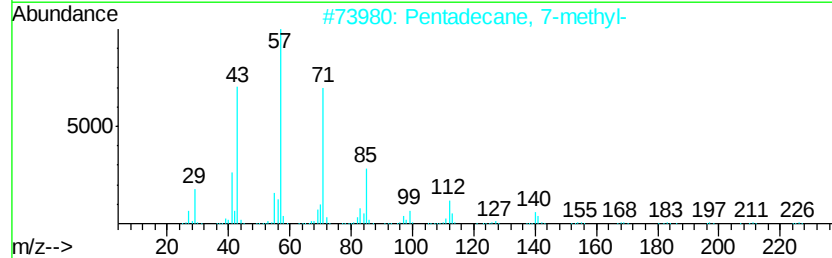
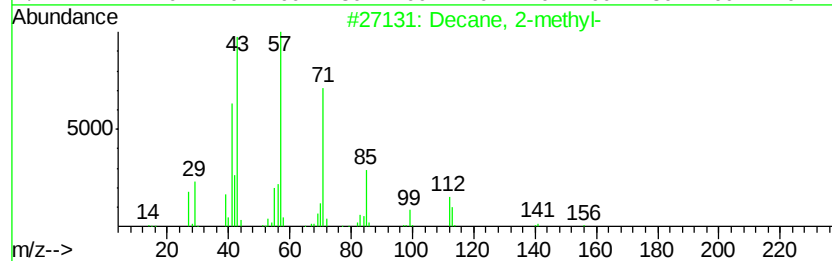
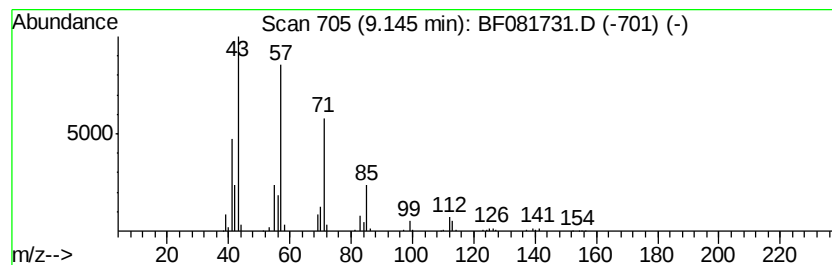
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Decane, 2-methyl- Concentration Rank 4

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 9.14 | 183.15 ng | 1755710 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2-methyl-        | 156 | C11H24  | 006975-98-0 | 90   |
| 2    |    | Pentadecane, 7-methyl-   | 226 | C16H34  | 006165-40-8 | 72   |
| 3    |    | Nonane, 3,7-dimethyl-    | 156 | C11H24  | 017302-32-8 | 62   |
| 4    |    | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 59   |
| 5    |    | Undecane, 2-methyl-      | 170 | C12H26  | 007045-71-8 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

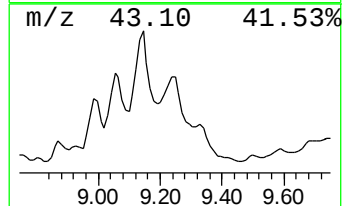
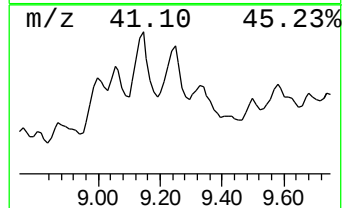
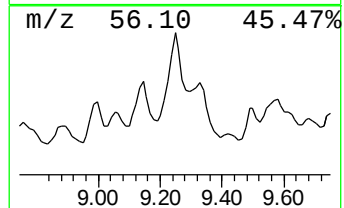
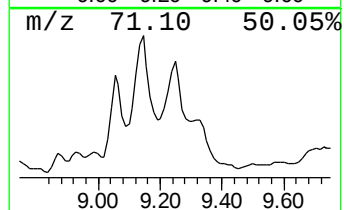
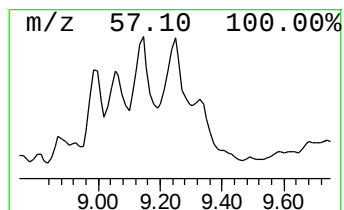
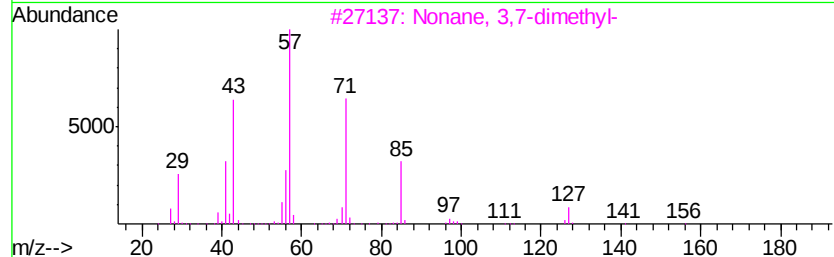
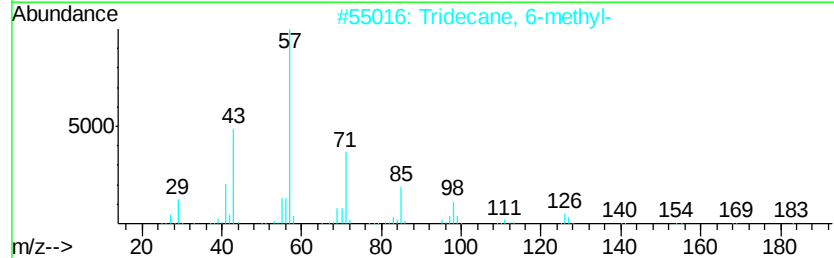
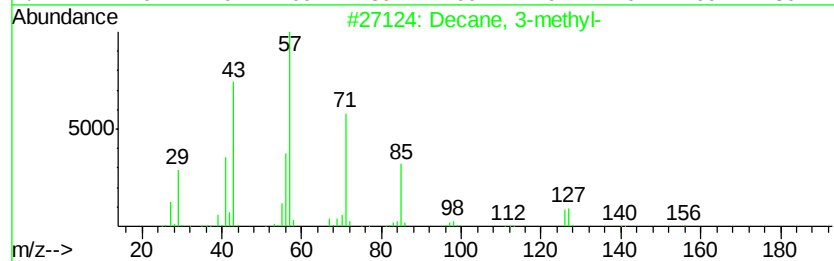
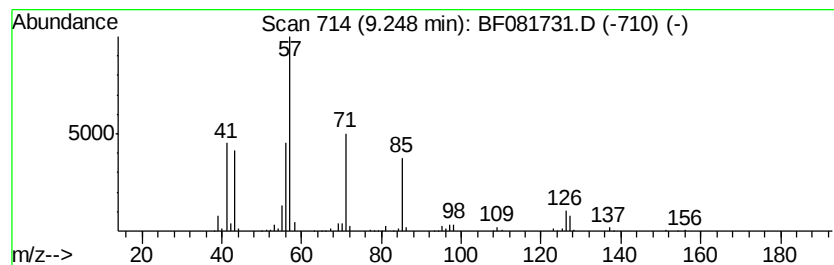
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Decane, 3-methyl- Concentration Rank 8

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 9.25 | 126.73 ng | 1214880 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 3-methyl-         | 156 | C11H24  | 013151-34-3 | 74   |
| 2    |    | Tridecane, 6-methyl-      | 198 | C14H30  | 013287-21-3 | 53   |
| 3    |    | Nonane, 3,7-dimethyl-     | 156 | C11H24  | 017302-32-8 | 53   |
| 4    |    | 2,2,7,7-Tetramethyloctane | 170 | C12H26  | 001071-31-4 | 50   |
| 5    |    | Hexadecane                | 226 | C16H34  | 000544-76-3 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

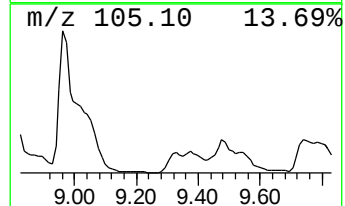
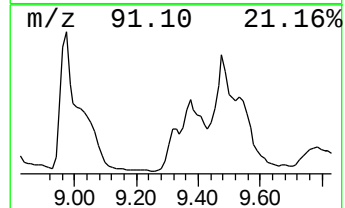
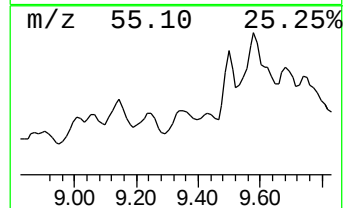
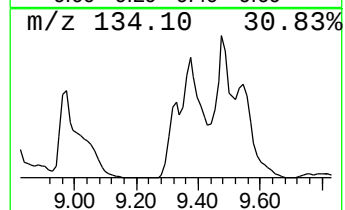
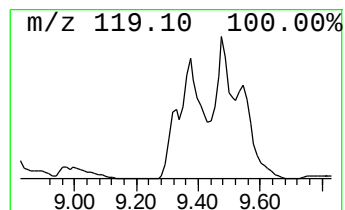
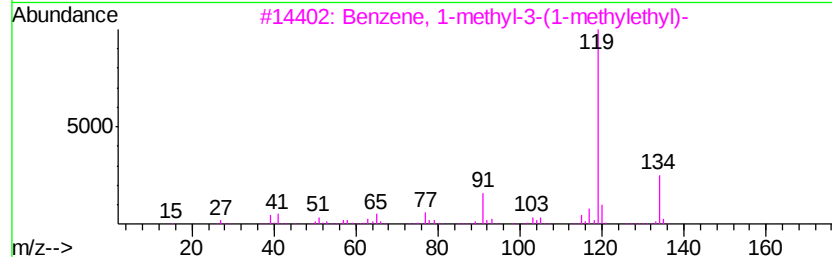
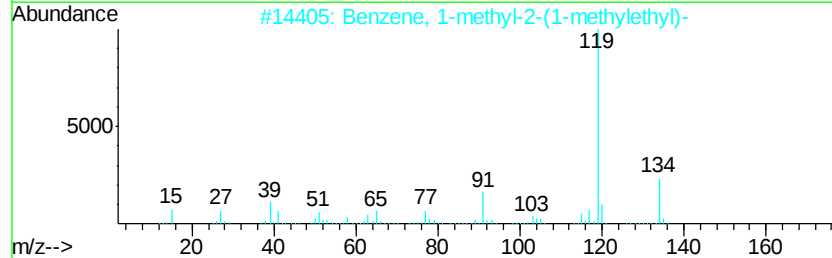
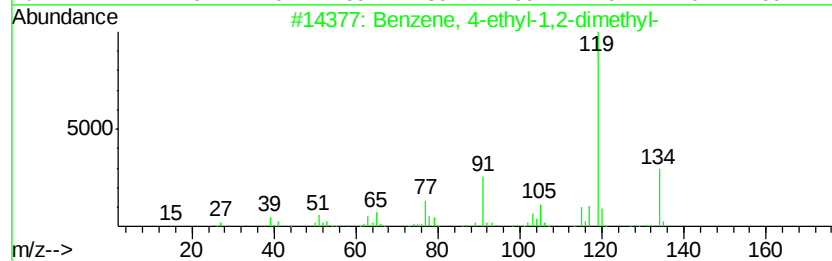
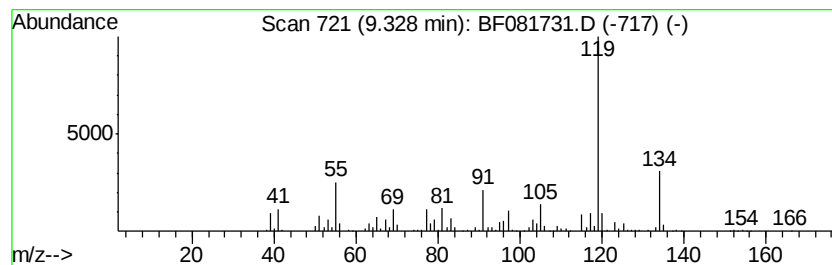
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 9.33 | 114.68 ng | 1099320 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-ethyl-1,2-dimethyl-       | 134 | C10H14  | 000934-80-5 | 96   |
| 2    |    | Benzene, 1-methyl-2-(1-methylethyl-) | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl-) | 134 | C10H14  | 000535-77-3 | 95   |
| 4    |    | Benzene, 1-methyl-4-(1-methylethyl-) | 134 | C10H14  | 000099-87-6 | 95   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

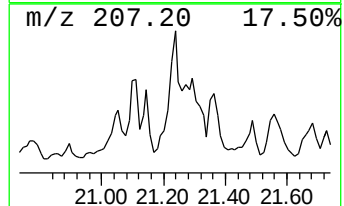
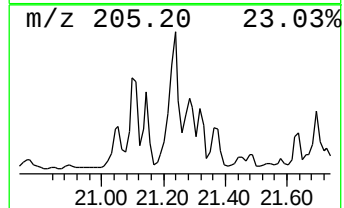
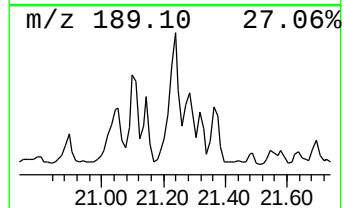
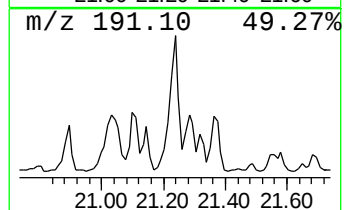
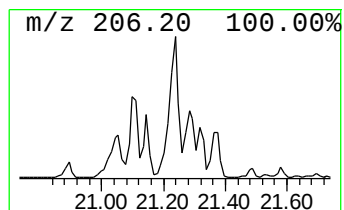
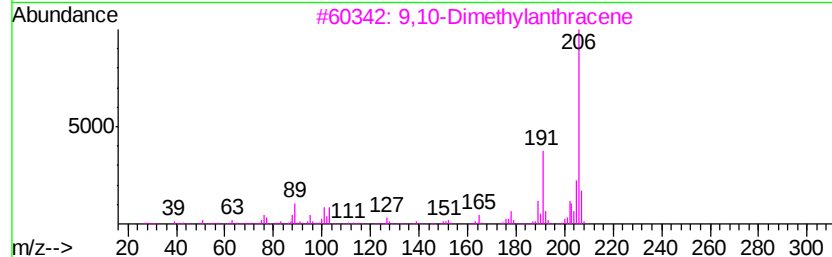
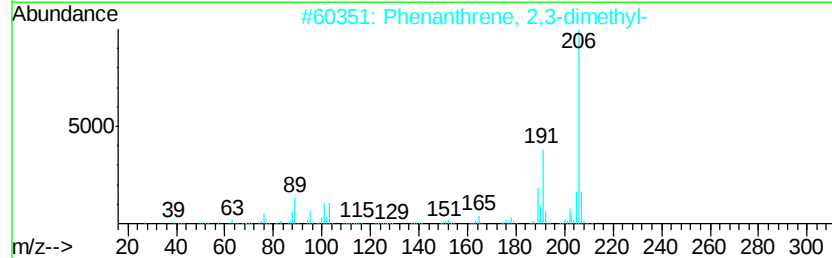
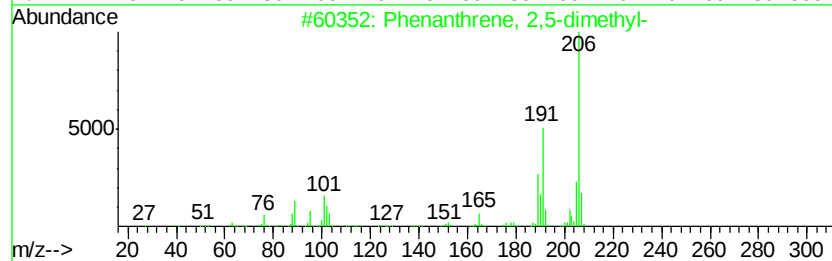
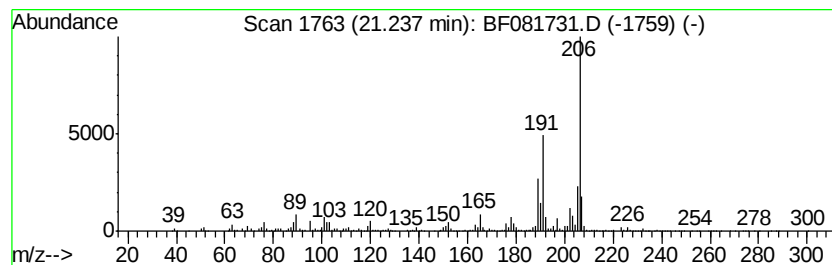
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 21.24 | 150.22 ng | 1693260 | Chrysene-d12     | 23.36 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 96   |
| 2    |    | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 93   |
| 3    |    | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 91   |
| 4    |    | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 91   |
| 5    |    | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

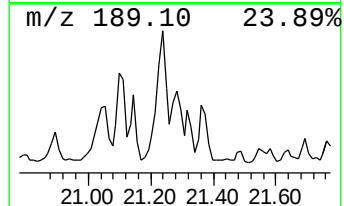
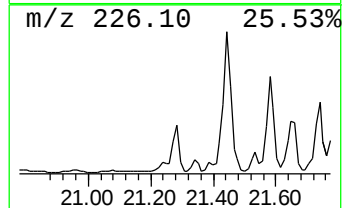
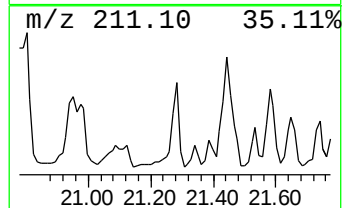
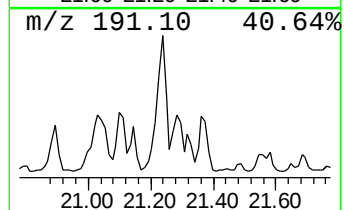
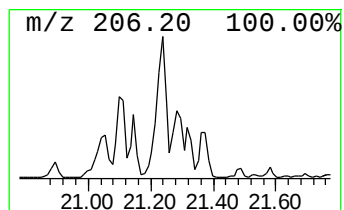
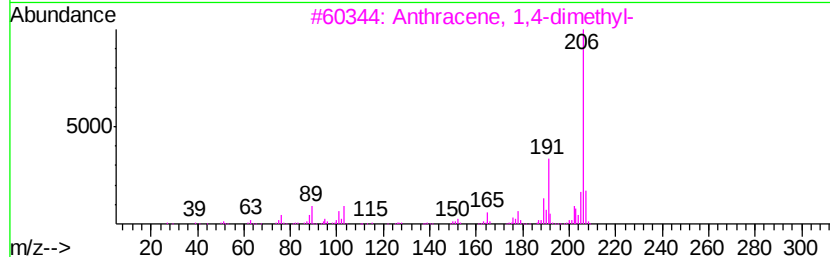
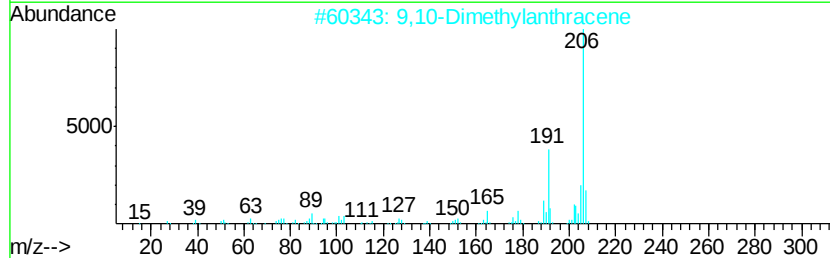
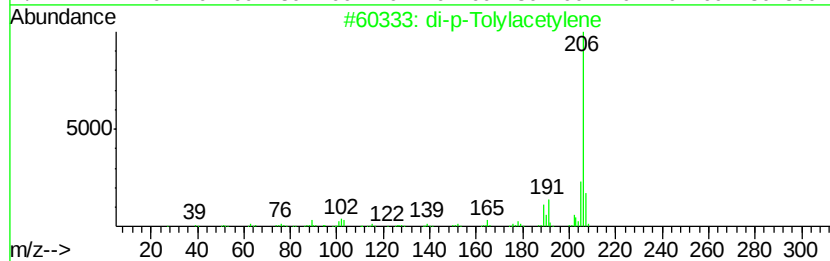
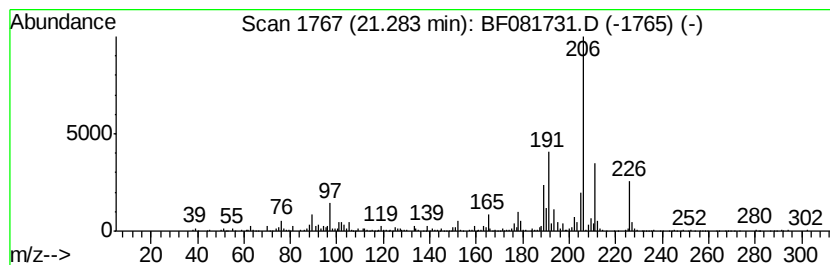
Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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 di-p-Tolylacetylene Concentration Rank 16

| R.T.      | EstConc                     | Area    | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------|---------|------------------|-------------|------|
| 21.28     | 96.54 ng                    | 1088160 | Chrysene-d12     | 23.36       |      |
| Hit# of 5 | Tentative ID                | MW      | MolForm          | CAS#        | Qual |
| 1         | di-p-Tolylacetylvene        | 206     | C16H14           | 002789-88-0 | 83   |
| 2         | 9,10-Dimethylantracene      | 206     | C16H14           | 000781-43-1 | 64   |
| 3         | Anthracene, 1,4-dimethyl-   | 206     | C16H14           | 000781-92-0 | 62   |
| 4         | Phenanthrene, 2,3-dimethyl- | 206     | C16H14           | 003674-65-5 | 58   |
| 5         | Phenanthrene, 3,6-dimethyl- | 206     | C16H14           | 001576-67-6 | 58   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
Data File : BF081731.D  
Acq On : 22 Sep 2015 3:14  
Operator : UM/IZ  
Sample : G3747-02  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

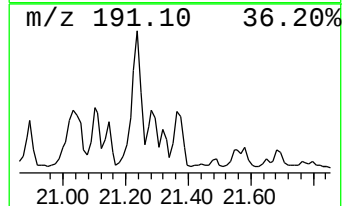
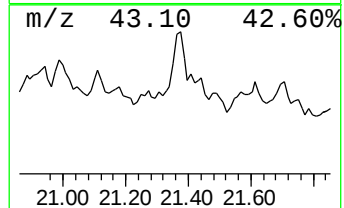
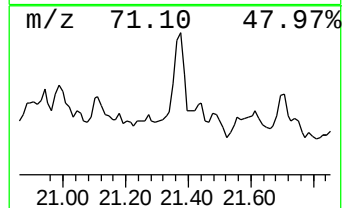
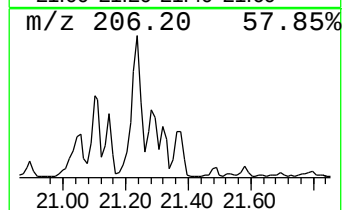
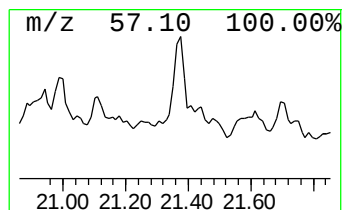
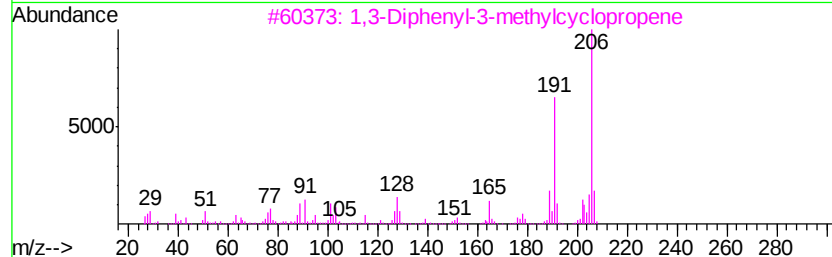
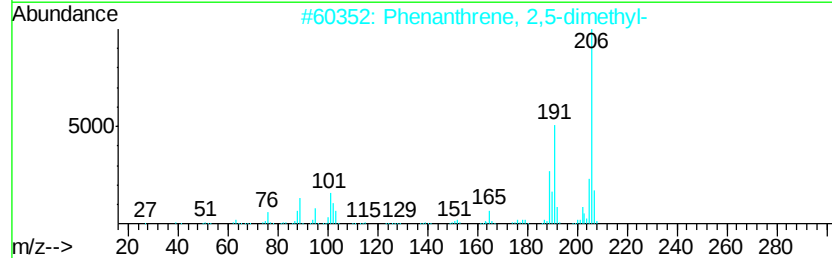
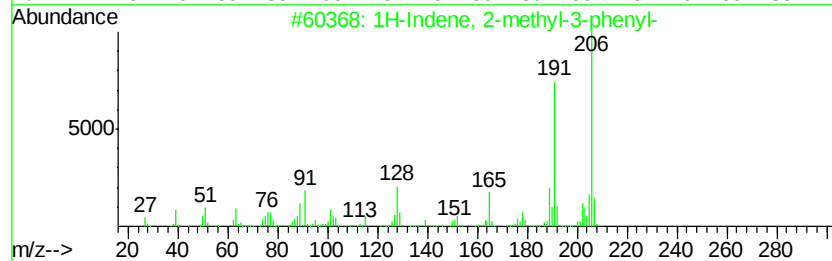
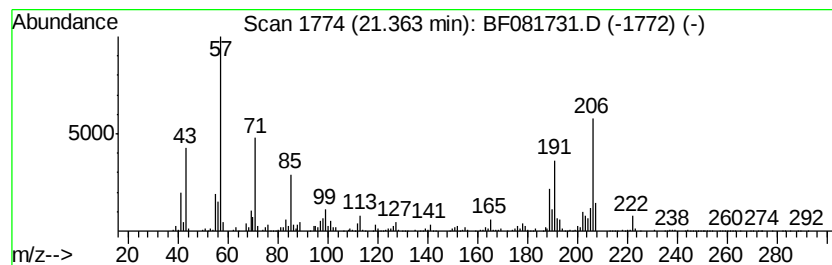
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 13

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 21.36 | 104.75 ng | 1180760 | Chrysene-d12     | 23.36 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2-methyl-3-phenyl-     | 206 | C16H14  | 035099-60-6 | 64   |
| 2    |    | Phenanthrene, 2,5-dimethyl-       | 206 | C16H14  | 003674-66-6 | 55   |
| 3    |    | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14  | 086544-79-8 | 50   |
| 4    |    | 1-Methyl-3-phenyl-1H-indene       | 206 | C16H14  | 022360-62-9 | 50   |
| 5    |    | Phenanthrene, 2,7-dimethyl-       | 206 | C16H14  | 001576-69-8 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092115\  
 Data File : BF081731.D  
 Acq On : 22 Sep 2015 3:14  
 Operator : UM/IZ  
 Sample : G3747-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-1-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.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 |
| Butane, 2-methoxy... | 1.18  | 88.5    | ng    | 848894   | 1                     | 8.17  | 191728 | 20.0 |
| Heptane, 3-ethyl...  | 7.02  | 84.4    | ng    | 809331   | 1                     | 8.17  | 191728 | 20.0 |
| Octane, 2,5-dimet... | 7.18  | 96.8    | ng    | 928144   | 1                     | 8.17  | 191728 | 20.0 |
| Nonane, 2-methyl-    | 7.25  | 113.1   | ng    | 1083740  | 1                     | 8.17  | 191728 | 20.0 |
| Nonane, 3-methyl-    | 7.37  | 154.8   | ng    | 1484210  | 1                     | 8.17  | 191728 | 20.0 |
| unknown7.69          | 7.69  | 121.4   | ng    | 1163700  | 1                     | 8.17  | 191728 | 20.0 |
| Benzene, 1,2,3-tr... | 7.81  | 154.7   | ng    | 1482850  | 1                     | 8.17  | 191728 | 20.0 |
| Nonane, 2,6-dimet... | 8.37  | 262.0   | ng    | 2511870  | 1                     | 8.17  | 191728 | 20.0 |
| Cyclohexane, (2-m... | 8.56  | 90.6    | ng    | 868420   | 1                     | 8.17  | 191728 | 20.0 |
| Tridecane, 6-methyl- | 8.60  | 99.1    | ng    | 949801   | 1                     | 8.17  | 191728 | 20.0 |
| Nonane, 3,7-dimet... | 8.66  | 114.4   | ng    | 1096500  | 1                     | 8.17  | 191728 | 20.0 |
| Naphthalene, deca... | 9.01  | 334.8   | ng    | 3209430  | 1                     | 8.17  | 191728 | 20.0 |
| Decane, 4-methyl-    | 9.05  | 92.0    | ng    | 881528   | 1                     | 8.17  | 191728 | 20.0 |
| Decane, 2-methyl-    | 9.14  | 183.2   | ng    | 1755710  | 1                     | 8.17  | 191728 | 20.0 |
| Decane, 3-methyl-    | 9.25  | 126.7   | ng    | 1214880  | 1                     | 8.17  | 191728 | 20.0 |
| Benzene, 4-ethyl...  | 9.33  | 114.7   | ng    | 1099320  | 1                     | 8.17  | 191728 | 20.0 |
| Phenanthrene, 2,5... | 21.24 | 150.2   | ng    | 1693260  | 5                     | 23.36 | 225439 | 20.0 |
| di-p-Tolylacetylene  | 21.28 | 96.5    | ng    | 1088160  | 5                     | 23.36 | 225439 | 20.0 |
| 1H-Indene, 2-meth... | 21.36 | 104.8   | ng    | 1180760  | 5                     | 23.36 | 225439 | 20.0 |