

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
 Data File : BF099012.D  
 Acq On : 2 Oct 2017 21:01  
 Operator : SJ/JU  
 Sample : I5531-07 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-63-2.5-5

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-BF092317.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         | 2.163       | 8             | 13          | 21           | rVB      | 75392          | 100986        | 2.06%           | 0.127%        |
| 2         | 3.957       | 309           | 318         | 321          | rBV2     | 39960          | 71037         | 1.45%           | 0.089%        |
| 3         | 4.240       | 360           | 366         | 371          | rBV2     | 78724          | 110540        | 2.26%           | 0.139%        |
| 4         | 4.569       | 415           | 422         | 427          | rVB3     | 99177          | 145308        | 2.97%           | 0.182%        |
| 5         | 4.669       | 431           | 439         | 444          | rBV      | 60699          | 74539         | 1.52%           | 0.094%        |
| 6         | 4.963       | 486           | 489         | 495          | rVB      | 149075         | 167168        | 3.41%           | 0.210%        |
| 7         | 5.045       | 495           | 503         | 505          | rBV3     | 176840         | 278713        | 5.69%           | 0.350%        |
| 8         | 5.069       | 505           | 507         | 512          | rVB      | 252755         | 260860        | 5.33%           | 0.327%        |
| 9         | 5.122       | 512           | 516         | 521          | rBV2     | 530369         | 602388        | 12.30%          | 0.756%        |
| 10        | 5.187       | 521           | 527         | 531          | rVB3     | 74701          | 138667        | 2.83%           | 0.174%        |
| 11        | 5.322       | 544           | 550         | 553          | rBV3     | 333296         | 440578        | 9.00%           | 0.553%        |
| 12        | 5.351       | 553           | 555         | 559          | rVB4     | 88620          | 103803        | 2.12%           | 0.130%        |
| 13        | 5.398       | 559           | 563         | 565          | rBV      | 269436         | 282865        | 5.78%           | 0.355%        |
| 14        | 5.422       | 565           | 567         | 570          | rVB      | 199973         | 169044        | 3.45%           | 0.212%        |
| 15        | 5.475       | 573           | 576         | 577          | rVV      | 77773          | 69547         | 1.42%           | 0.087%        |
| 16        | 5.516       | 577           | 583         | 587          | rVB2     | 1649816        | 1921865       | 39.24%          | 2.412%        |
| 17        | 5.598       | 594           | 597         | 600          | rBV      | 180859         | 184085        | 3.76%           | 0.231%        |
| 18        | 5.675       | 607           | 610         | 615          | rBV3     | 312384         | 508430        | 10.38%          | 0.638%        |
| 19        | 5.722       | 615           | 618         | 621          | rVB      | 525090         | 442120        | 9.03%           | 0.555%        |
| 20        | 5.763       | 621           | 625         | 628          | rBV2     | 353505         | 437323        | 8.93%           | 0.549%        |
| 21        | 5.828       | 633           | 636         | 641          | rVB      | 180936         | 175324        | 3.58%           | 0.220%        |
| 22        | 5.928       | 647           | 653         | 657          | rBV4     | 602316         | 969485        | 19.79%          | 1.217%        |
| 23        | 5.975       | 657           | 661         | 664          | rBV3     | 365246         | 572013        | 11.68%          | 0.718%        |
| 24        | 6.004       | 664           | 666         | 668          | rVB2     | 79612          | 58855         | 1.20%           | 0.074%        |
| 25        | 6.034       | 668           | 671         | 672          | rBV3     | 89804          | 82567         | 1.69%           | 0.104%        |
| 26        | 6.069       | 672           | 677         | 680          | rVB4     | 785016         | 1133989       | 23.15%          | 1.423%        |
| 27        | 6.104       | 680           | 683         | 686          | rBV2     | 352939         | 395923        | 8.08%           | 0.497%        |
| 28        | 6.151       | 686           | 691         | 698          | rBV3     | 1542963        | 2853189       | 58.25%          | 3.581%        |
| 29        | 6.210       | 698           | 701         | 703          | rVB      | 858364         | 778324        | 15.89%          | 0.977%        |
| 30        | 6.239       | 703           | 706         | 709          | rBV3     | 246452         | 356009        | 7.27%           | 0.447%        |
| 31        | 6.269       | 709           | 711         | 714          | rVB      | 280968         | 235459        | 4.81%           | 0.295%        |
| 32        | 6.298       | 714           | 716         | 719          | rVB2     | 244668         | 218076        | 4.45%           | 0.274%        |
| 33        | 6.345       | 719           | 724         | 726          | rBV2     | 1034872        | 1435987       | 29.32%          | 1.802%        |
| 34        | 6.381       | 726           | 730         | 732          | rBV4     | 298424         | 451257        | 9.21%           | 0.566%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-63-2.5-5

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-BF092317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |     |     |     |      |         |         |         |        |
|----|-------|-----|-----|-----|------|---------|---------|---------|--------|
| 35 | 6.404 | 732 | 734 | 736 | rVB  | 1172986 | 914265  | 18.67%  | 1.147% |
| 36 | 6.439 | 736 | 740 | 746 | rBV5 | 1230564 | 2251505 | 45.97%  | 2.825% |
| 37 | 6.492 | 746 | 749 | 751 | rBV  | 677419  | 565044  | 11.54%  | 0.709% |
| 38 | 6.528 | 751 | 755 | 758 | rBV  | 1590026 | 1425737 | 29.11%  | 1.789% |
| 39 | 6.557 | 758 | 760 | 762 | rBV  | 452077  | 371521  | 7.59%   | 0.466% |
| 40 | 6.581 | 762 | 764 | 767 | rVB2 | 748216  | 593216  | 12.11%  | 0.744% |
| 41 | 6.610 | 767 | 769 | 771 | rBV  | 337577  | 253054  | 5.17%   | 0.318% |
| 42 | 6.651 | 771 | 776 | 777 | rBV3 | 1067154 | 1479721 | 30.21%  | 1.857% |
| 43 | 6.675 | 777 | 780 | 787 | rVB3 | 1944329 | 3237348 | 66.10%  | 4.063% |
| 44 | 6.745 | 787 | 792 | 794 | rBV3 | 683884  | 964851  | 19.70%  | 1.211% |
| 45 | 6.763 | 794 | 795 | 798 | rVB2 | 736122  | 536688  | 10.96%  | 0.674% |
| 46 | 6.792 | 798 | 800 | 802 | rBV2 | 320211  | 367325  | 7.50%   | 0.461% |
| 47 | 6.822 | 802 | 805 | 807 | rBV3 | 330784  | 467483  | 9.54%   | 0.587% |
| 48 | 6.869 | 810 | 813 | 815 | rBV4 | 574873  | 759147  | 15.50%  | 0.953% |
| 49 | 6.916 | 817 | 821 | 825 | rVB2 | 2544843 | 3443397 | 70.30%  | 4.321% |
| 50 | 6.963 | 825 | 829 | 832 | rVB2 | 816546  | 966992  | 19.74%  | 1.214% |
| 51 | 6.998 | 832 | 835 | 836 | rBV2 | 698049  | 678484  | 13.85%  | 0.851% |
| 52 | 7.022 | 836 | 839 | 841 | rVB  | 551357  | 518974  | 10.60%  | 0.651% |
| 53 | 7.057 | 841 | 845 | 848 | rBV2 | 2059264 | 2783975 | 56.84%  | 3.494% |
| 54 | 7.086 | 848 | 850 | 853 | rVB  | 1173708 | 979039  | 19.99%  | 1.229% |
| 55 | 7.133 | 856 | 858 | 860 | rBV2 | 854212  | 872241  | 17.81%  | 1.095% |
| 56 | 7.157 | 860 | 862 | 863 | rBV  | 470172  | 364607  | 7.44%   | 0.458% |
| 57 | 7.181 | 863 | 866 | 869 | rVB  | 2267402 | 2387187 | 48.74%  | 2.996% |
| 58 | 7.210 | 869 | 871 | 873 | rBV  | 751232  | 820204  | 16.75%  | 1.029% |
| 59 | 7.251 | 876 | 878 | 881 | rBV3 | 501343  | 442850  | 9.04%   | 0.556% |
| 60 | 7.310 | 881 | 888 | 890 | rBV4 | 1851461 | 2829090 | 57.76%  | 3.550% |
| 61 | 7.333 | 890 | 892 | 897 | rVB4 | 918003  | 1138133 | 23.24%  | 1.428% |
| 62 | 7.381 | 897 | 900 | 904 | rBV5 | 463613  | 723224  | 14.77%  | 0.908% |
| 63 | 7.445 | 905 | 911 | 914 | rBV3 | 2973461 | 4897848 | 100.00% | 6.146% |
| 64 | 7.486 | 914 | 918 | 921 | rVB4 | 1156329 | 1704090 | 34.79%  | 2.139% |
| 65 | 7.557 | 925 | 930 | 933 | rBV4 | 2341573 | 3752398 | 76.61%  | 4.709% |
| 66 | 7.616 | 933 | 940 | 944 | rBV5 | 1724816 | 4117305 | 84.06%  | 5.167% |
| 67 | 7.692 | 949 | 953 | 955 | rBV3 | 1346292 | 1710363 | 34.92%  | 2.146% |
| 68 | 7.792 | 966 | 970 | 972 | rBV4 | 1560725 | 2070939 | 42.28%  | 2.599% |
| 69 | 7.816 | 972 | 974 | 976 | rVV  | 1628978 | 1730210 | 35.33%  | 2.171% |
| 70 | 7.839 | 976 | 978 | 981 | rVV4 | 2232270 | 2565104 | 52.37%  | 3.219% |
| 71 | 7.869 | 981 | 983 | 987 | rVB3 | 1311992 | 1625977 | 33.20%  | 2.040% |

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

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-BF092317.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 7.910  | 987  | 990  | 992  | rBV3 | 613025  | 737521  | 15.06% | 0.926% |
| 73 | 7.933  | 992  | 994  | 996  | rBV2 | 1300301 | 1224560 | 25.00% | 1.537% |
| 74 | 8.016  | 1005 | 1008 | 1013 | rBV6 | 929485  | 1292316 | 26.39% | 1.622% |
| 75 | 8.069  | 1014 | 1017 | 1020 | rBV2 | 1226856 | 1765836 | 36.05% | 2.216% |
| 76 | 15.509 | 2280 | 2282 | 2289 | rVB  | 355943  | 504159  | 10.29% | 0.633% |
| 77 | 15.580 | 2290 | 2294 | 2297 | rVV  | 504505  | 625438  | 12.77% | 0.785% |

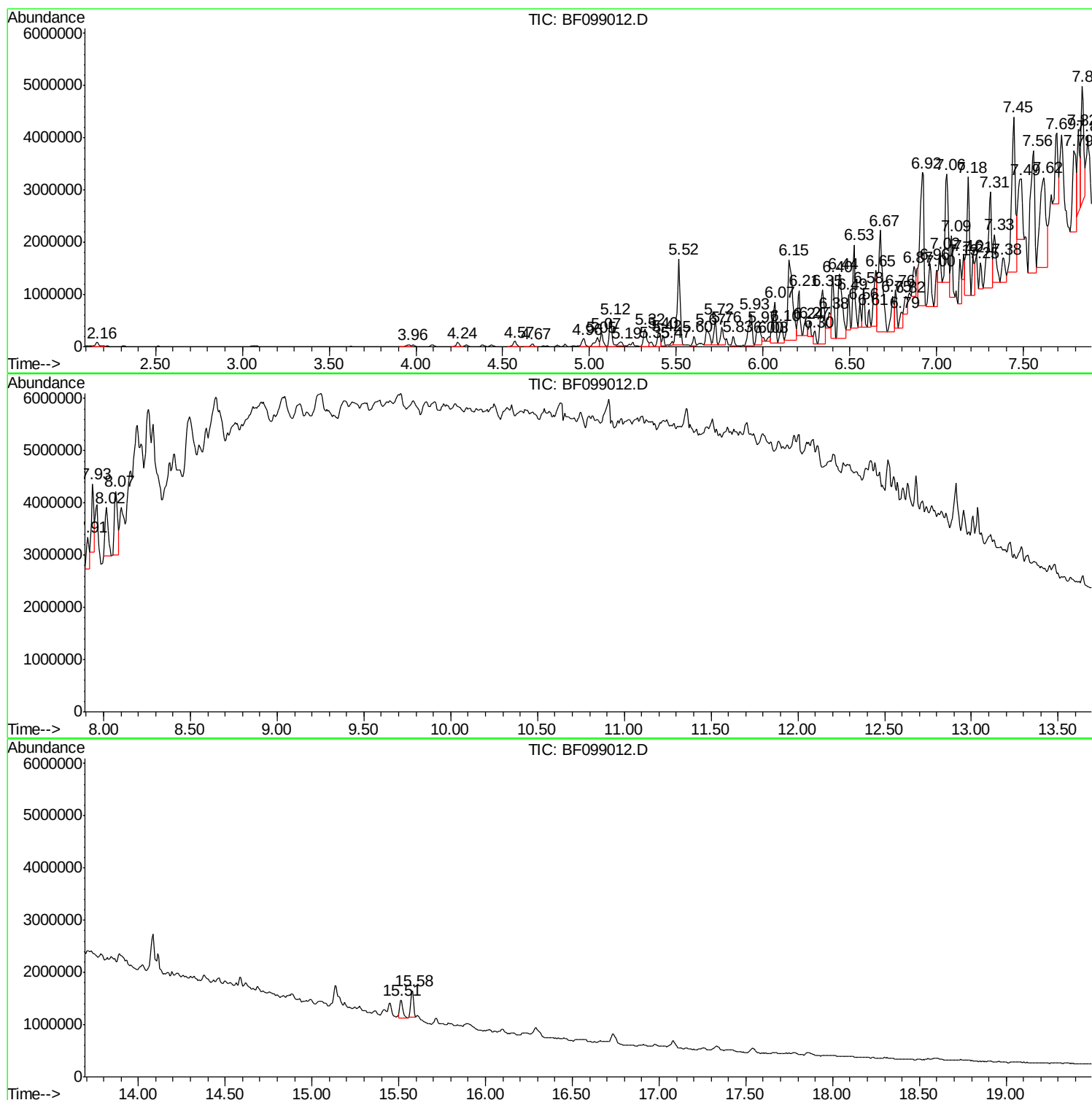
Sum of corrected areas: 79685689

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
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Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

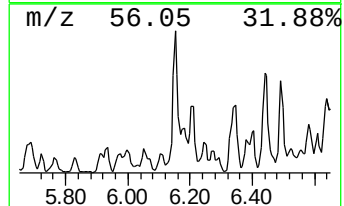
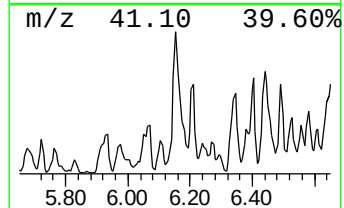
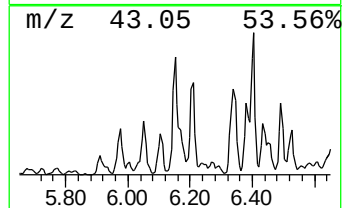
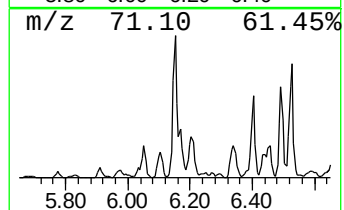
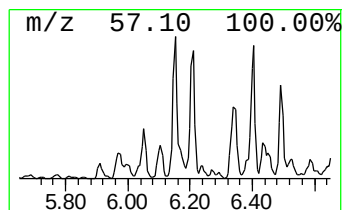
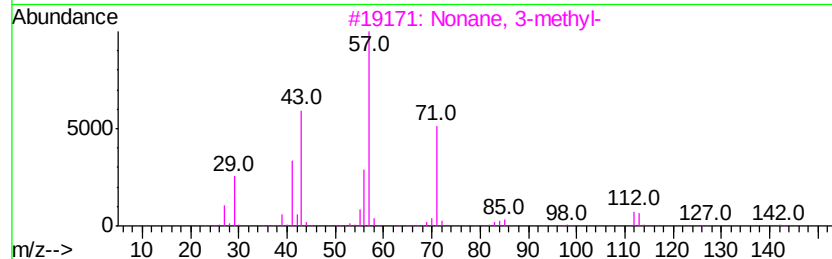
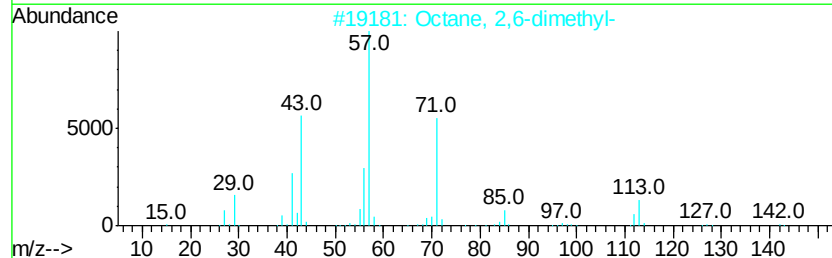
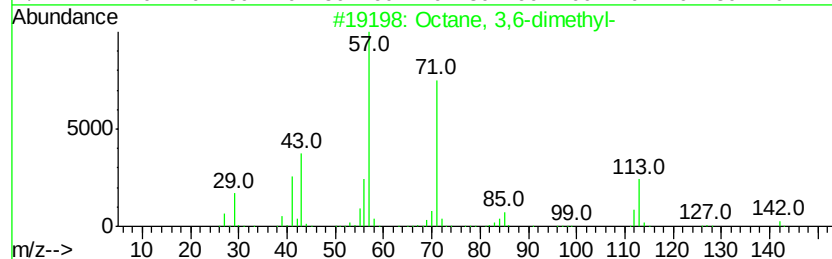
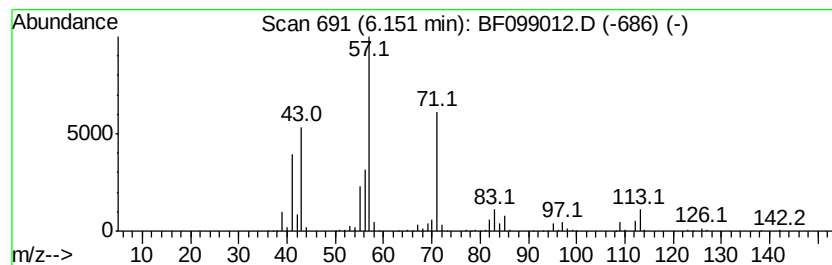
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Octane, 3,6-dimethyl- Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.15 | 16.57 ng | 2853190 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 87   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 87   |
| 3    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 74   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 64   |
| 5    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14     | 000075-83-2  | 50   |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

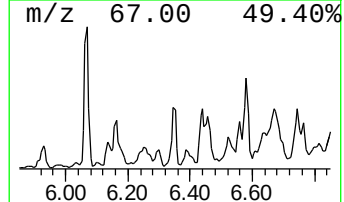
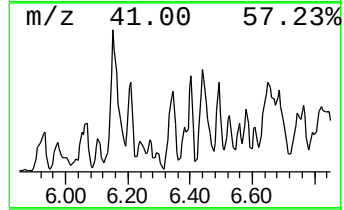
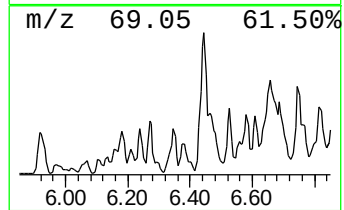
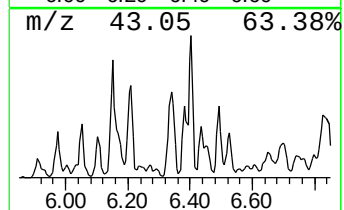
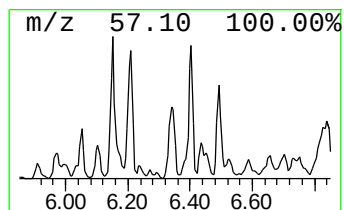
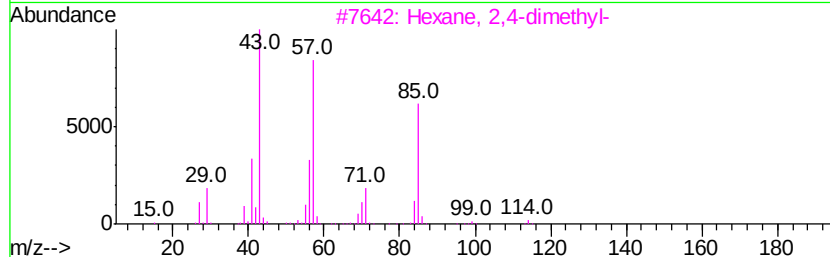
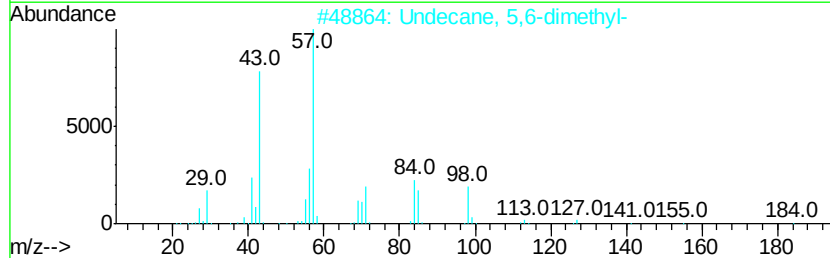
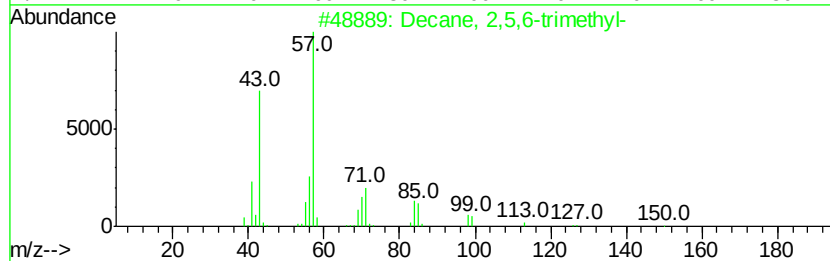
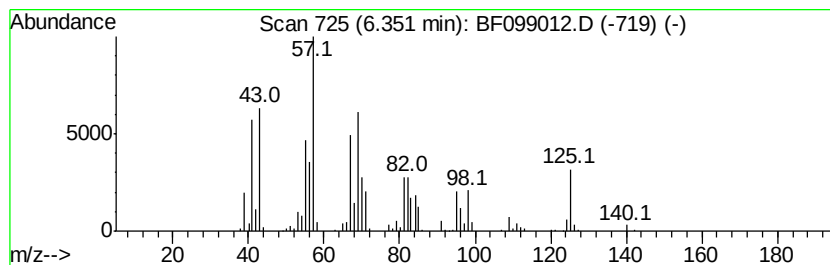
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.35 Concentration Rank 19

| R.T. | EstConc | Area    | Relative to ISTD       | R.T. |
|------|---------|---------|------------------------|------|
| 6.35 | 8.34 ng | 1435990 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane, 2,5,6-trimethyl-      | 184 | C13H28  | 062108-23-0 | 47   |
| 2    |    | Undecane, 5,6-dimethyl-       | 184 | C13H28  | 017615-91-7 | 47   |
| 3    |    | Hexane, 2,4-dimethyl-         | 114 | C8H18   | 000589-43-5 | 43   |
| 4    |    | Heptane, 3-ethyl-2-methyl-    | 142 | C10H22  | 014676-29-0 | 43   |
| 5    |    | Hexane, 3-ethyl-2,5-dimethyl- | 142 | C10H22  | 052897-04-8 | 35   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

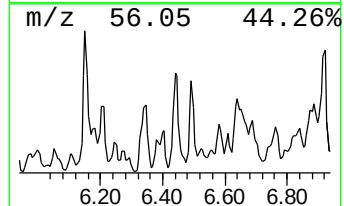
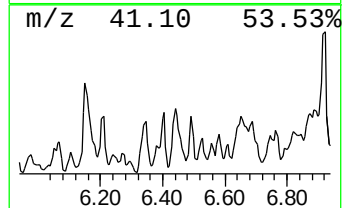
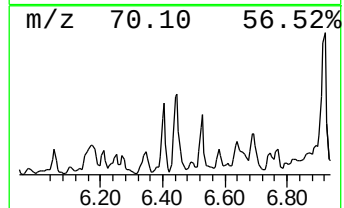
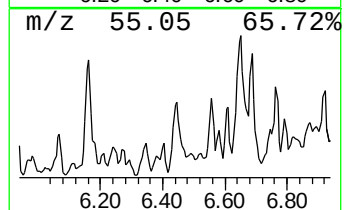
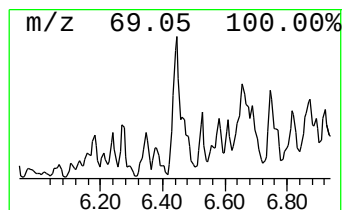
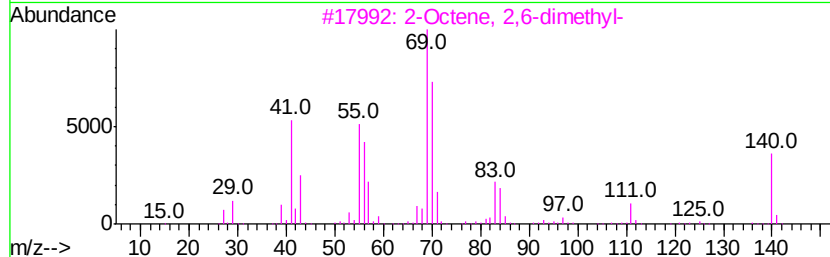
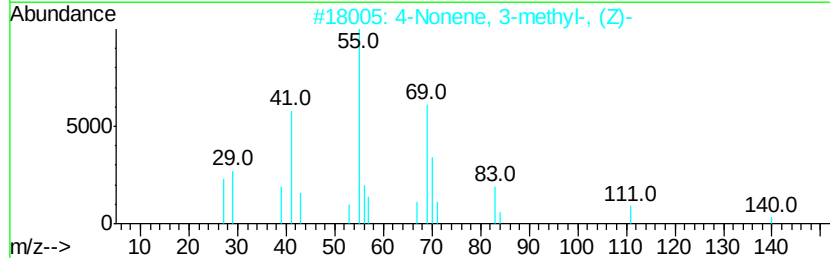
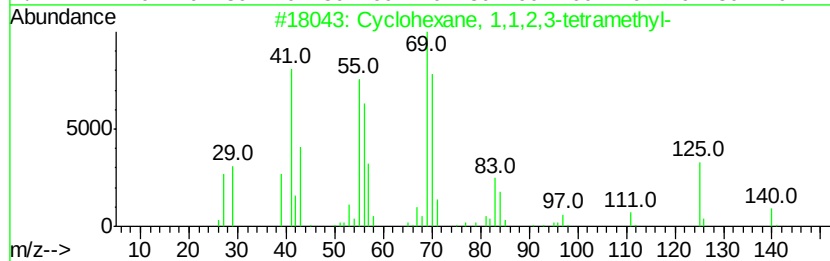
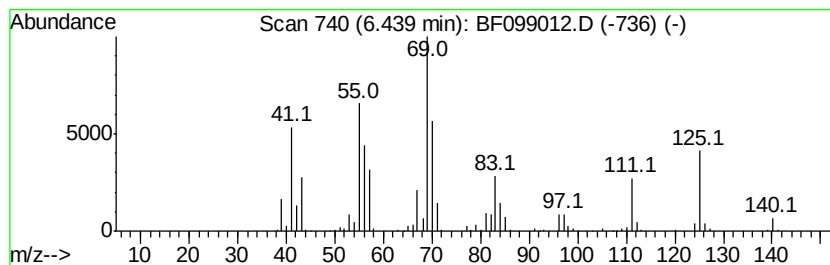
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 16

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.44 | 13.08 ng | 2251510 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,2,3-tetramethyl- | 140 | C10H20  | 006783-92-2 | 76   |
| 2    |    | 4-Nonene, 3-methyl-, (Z)-         | 140 | C10H20  | 063830-69-3 | 53   |
| 3    |    | 2-Octene, 2,6-dimethyl-           | 140 | C10H20  | 004057-42-5 | 50   |
| 4    |    | 2-Nonene, 2-methyl-               | 140 | C10H20  | 002129-95-5 | 46   |
| 5    |    | 2-Methyl-2-octene                 | 126 | C9H18   | 016993-86-5 | 46   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

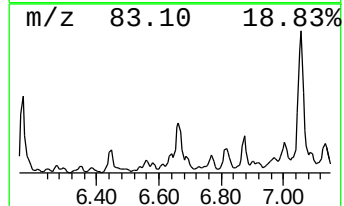
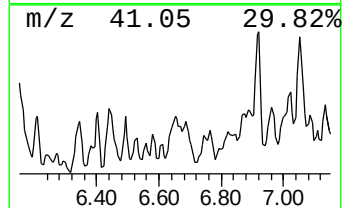
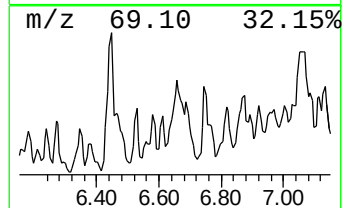
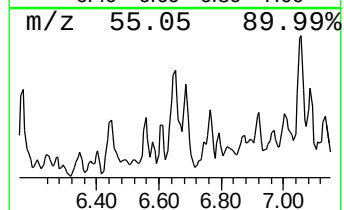
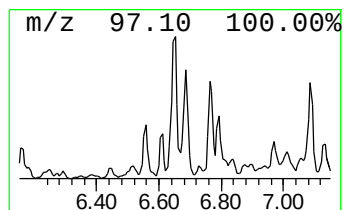
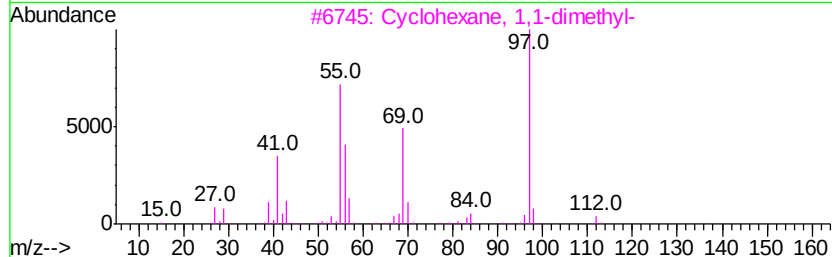
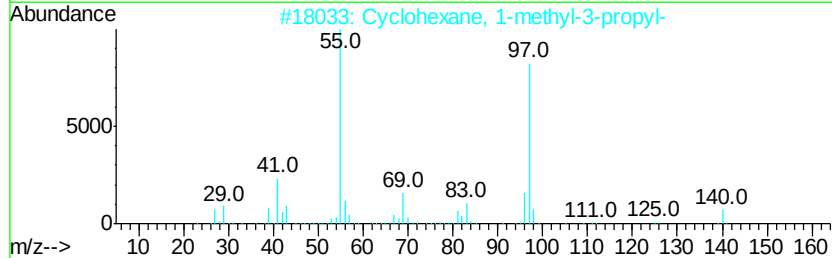
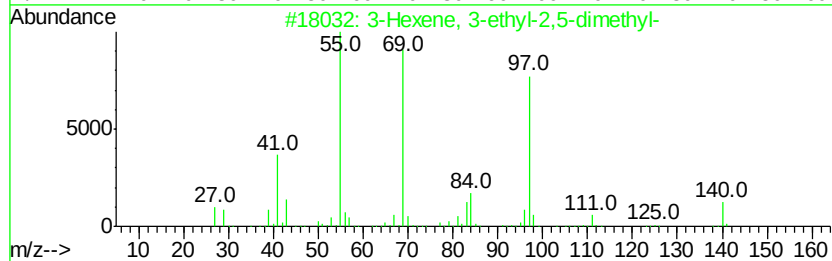
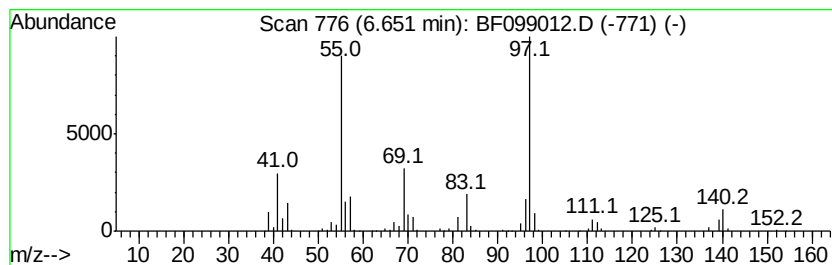
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 3-Hexene, 3-ethyl-2,5-dimet... Concentration Rank 17

| R.T. | EstConc | Area    | Relative to ISTD       | R.T. |
|------|---------|---------|------------------------|------|
| 6.65 | 8.59 ng | 1479720 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | 3-Hexene, 3-ethyl-2,5-dimethyl-     | 140 | C10H20    | 062338-08-3  | 86   |
| 2       |   | Cyclohexane, 1-methyl-3-propyl-     | 140 | C10H20    | 004291-80-9  | 83   |
| 3       |   | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16     | 000590-66-9  | 64   |
| 4       |   | Cyclohexane, 1-methyl-2-propyl-     | 140 | C10H20    | 004291-79-6  | 64   |
| 5       |   | Sulfurous acid, cyclohexylmethyl... | 262 | C13H26O3S | 1000309-21-6 | 64   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

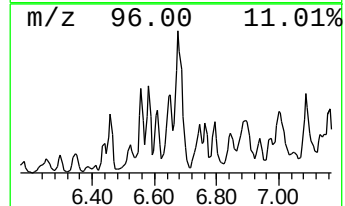
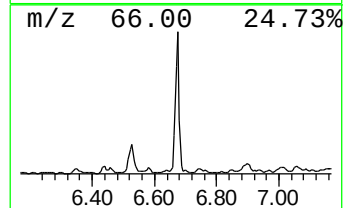
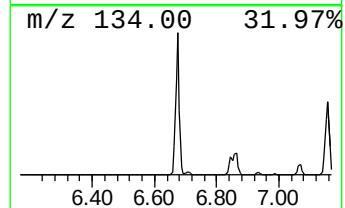
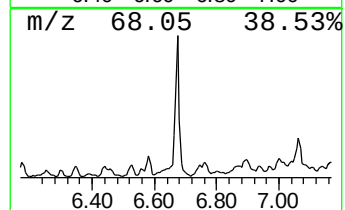
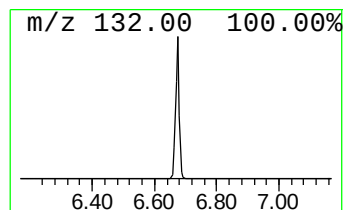
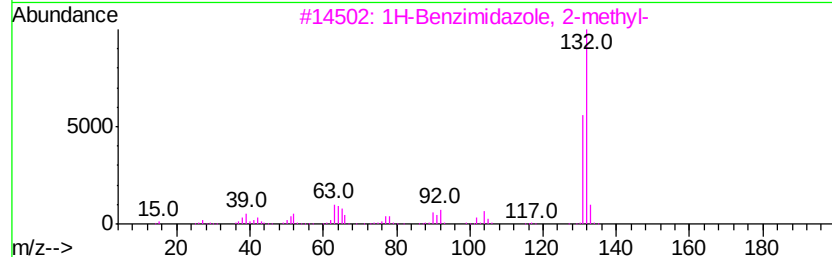
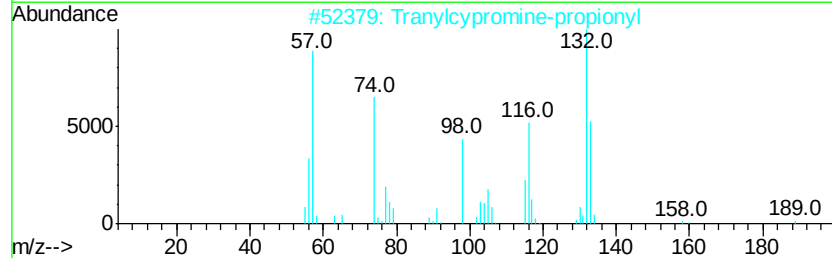
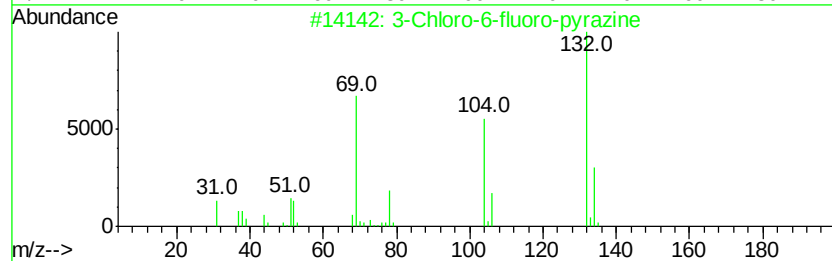
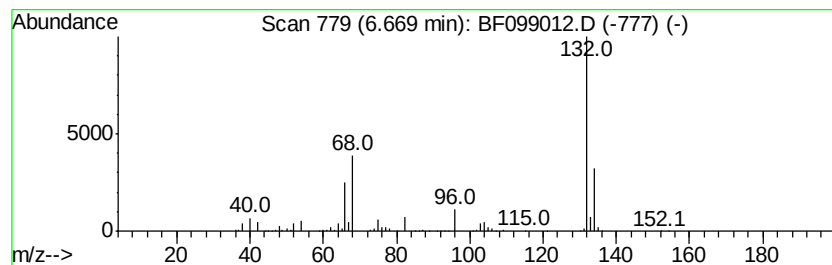
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown6.67 Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.67 | 18.80 ng | 3237350 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of                                   | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine           | 132 | C4H2ClFN2    | 1000146-10-7 | 25      |      |      |
| 2    | Tranylcypromine-propionyl            | 189 | C12H15NO     | 1000123-86-3 | 12      |      |      |
| 3    | 1H-Benzimidazole, 2-methyl-          | 132 | C8H8N2       | 000615-15-6  | 9       |      |      |
| 4    | 2H-Cyclopenta[dl]pyridazine, 2-me... | 132 | C8H8N2       | 022291-85-6  | 9       |      |      |
| 5    | 4-Chloro-6-fluoro-pyrimidine         | 132 | C4H2ClFN2    | 051422-01-6  | 9       |      |      |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

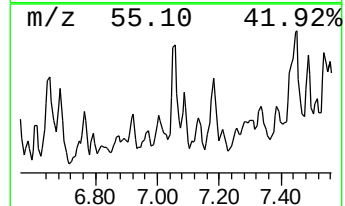
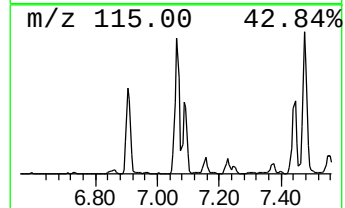
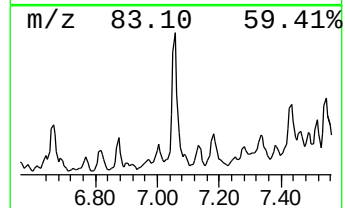
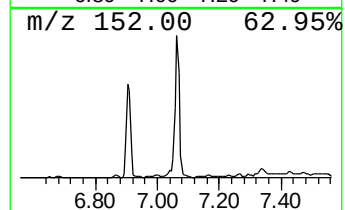
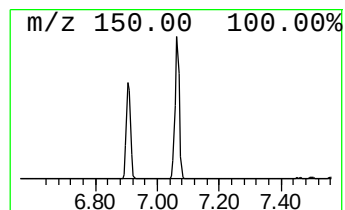
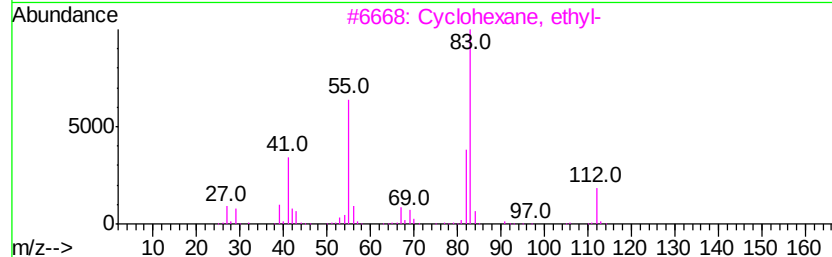
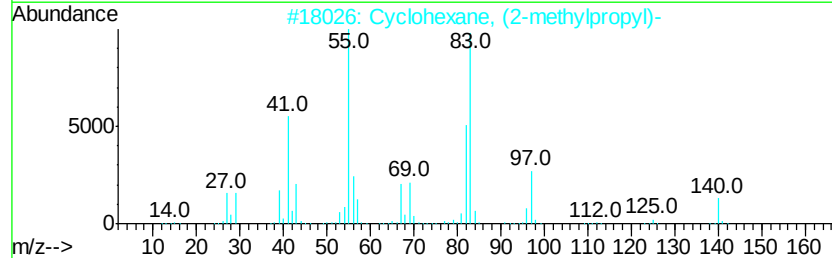
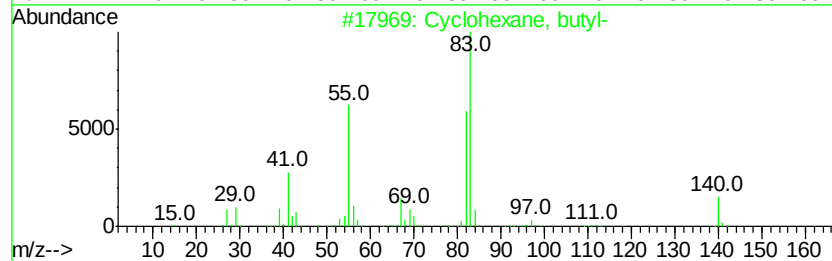
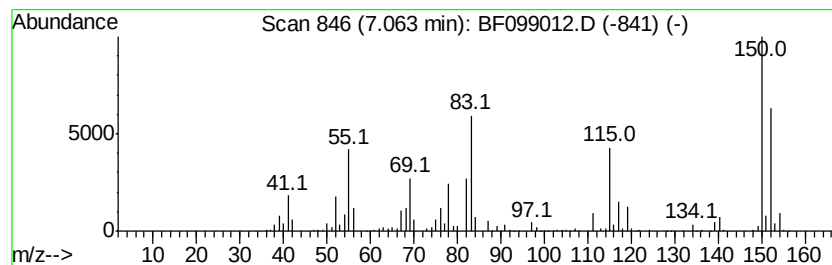
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Cyclohexane, butyl- Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.06 | 16.17 ng | 2783980 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, butyl-            | 140 | C10H20  | 001678-93-9 | 60   |
| 2    |    | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 60   |
| 3    |    | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 43   |
| 4    |    | Cyclohexane, undecyl-          | 238 | C17H34  | 054105-66-7 | 43   |
| 5    |    | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 43   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

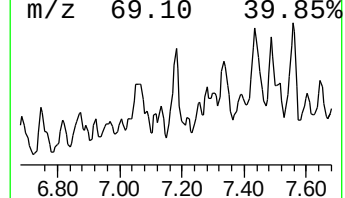
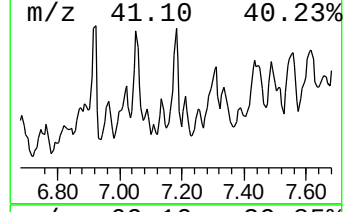
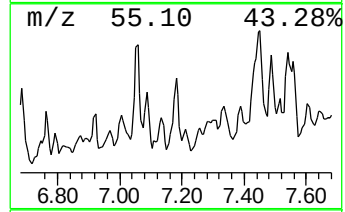
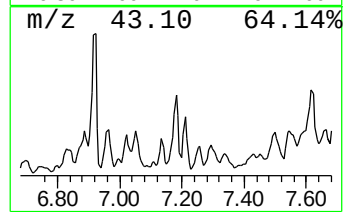
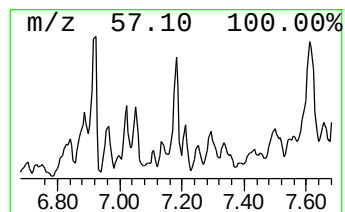
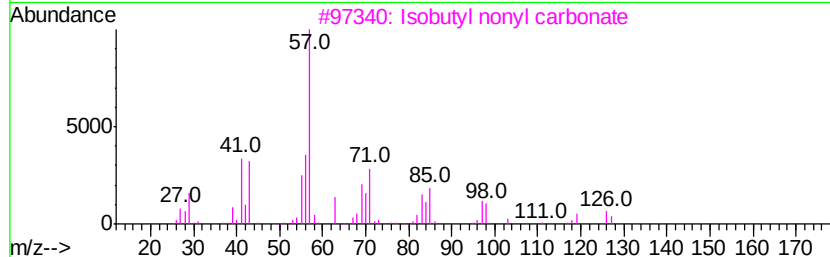
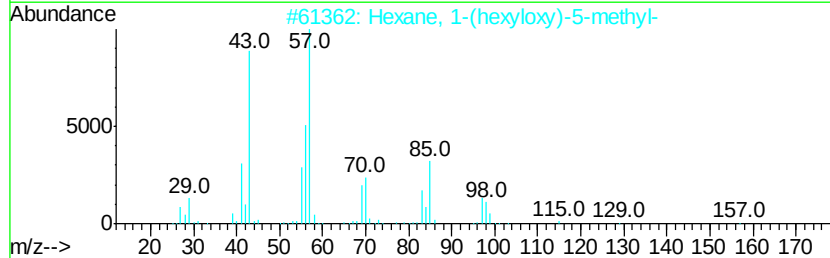
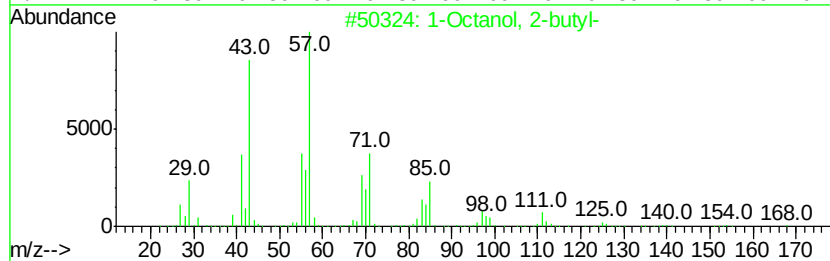
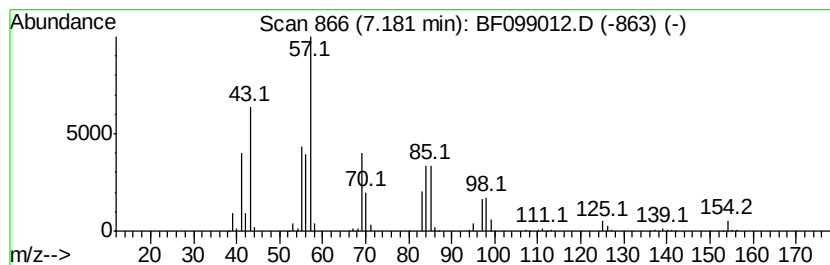
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 1-Octanol, 2-butyl- Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.18 | 13.87 ng | 2387190 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1-Octanol, 2-butyl-            | 186 | C12H26O  | 003913-02-8 | 72   |
| 2    |    | Hexane, 1-(hexyloxy)-5-methyl- | 200 | C13H28O  | 074421-19-5 | 72   |
| 3    |    | Isobutyl nonyl carbonate       | 244 | C14H28O3 | 959311-27-4 | 56   |
| 4    |    | Dodecyl isobutyl carbonate     | 286 | C17H34O3 | 959067-22-2 | 53   |
| 5    |    | Hexyl octyl ether              | 214 | C14H30O  | 017071-54-4 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

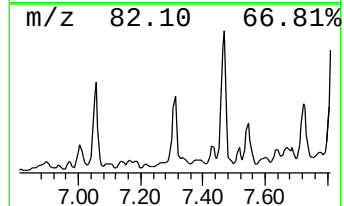
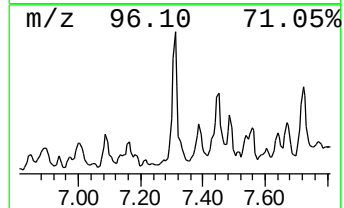
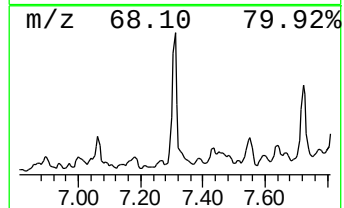
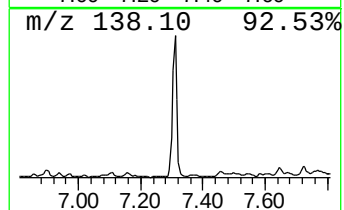
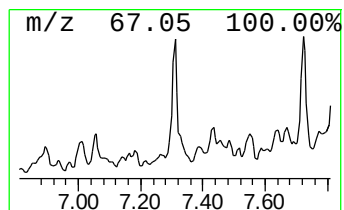
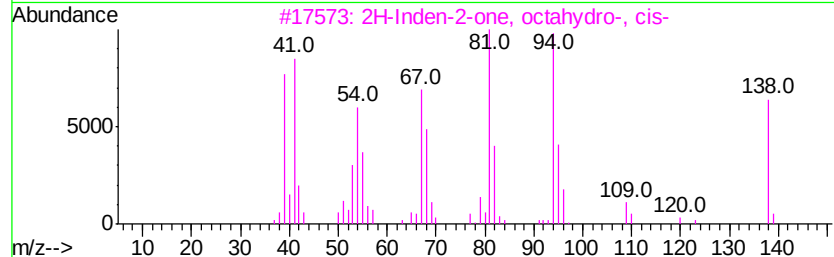
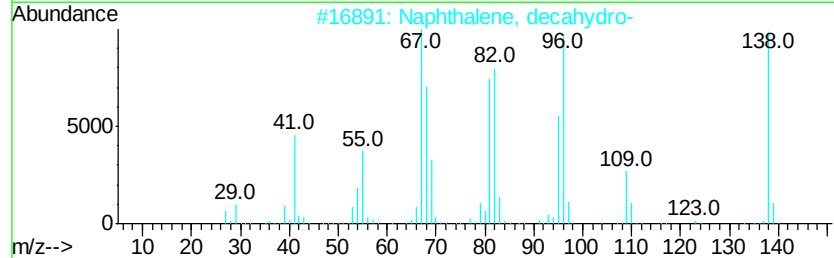
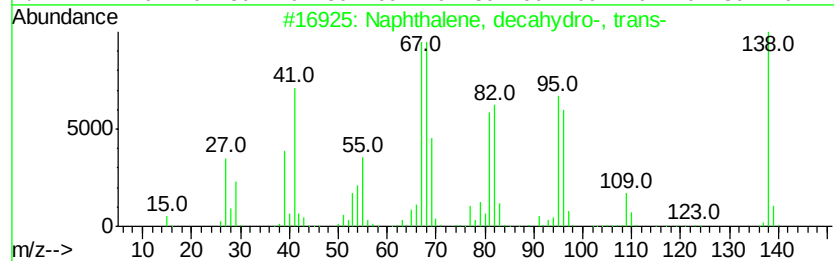
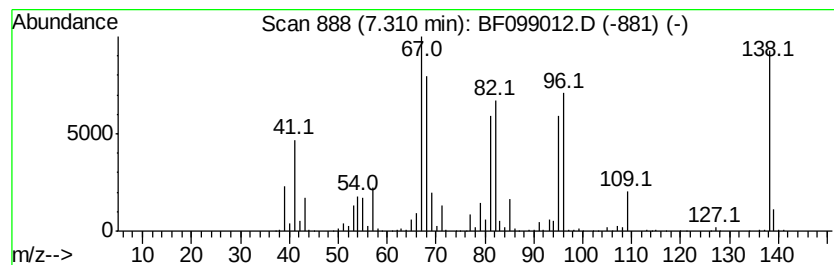
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.31 | 16.43 ng | 2829090 | 1,4-Dichlorobenzene-d4 | 6.90 |

| 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 | 93   |
| 3    |    | 2H-Inden-2-one, octahydro-, cis-      | 138 | C9H14O  | 005689-04-3 | 86   |
| 4    |    | Cyclohexene, 1-methyl-4-(1-methyl-... | 138 | C10H18  | 001195-31-9 | 76   |
| 5    |    | Naphthalene, decahydro-, cis-         | 138 | C10H18  | 000493-01-6 | 74   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

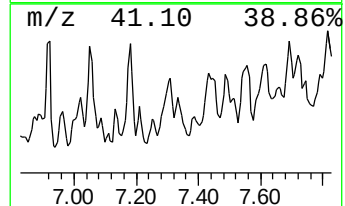
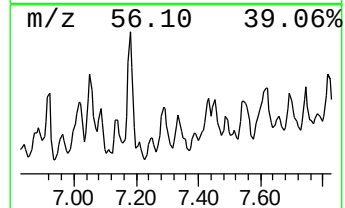
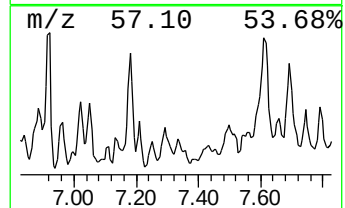
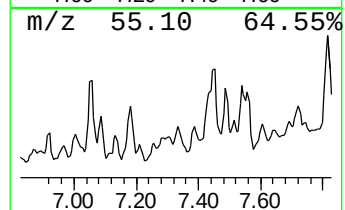
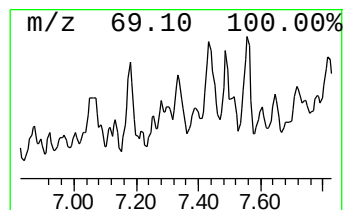
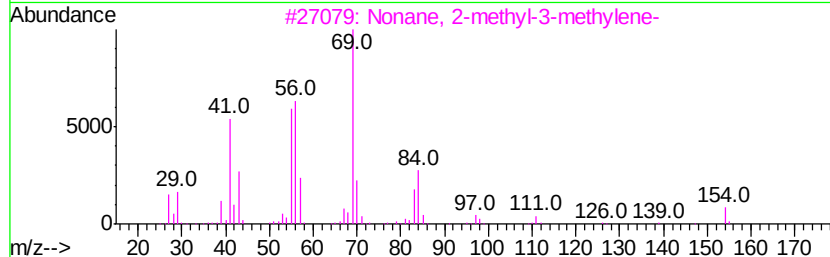
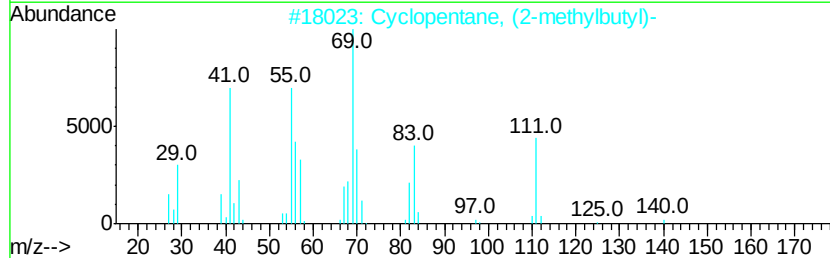
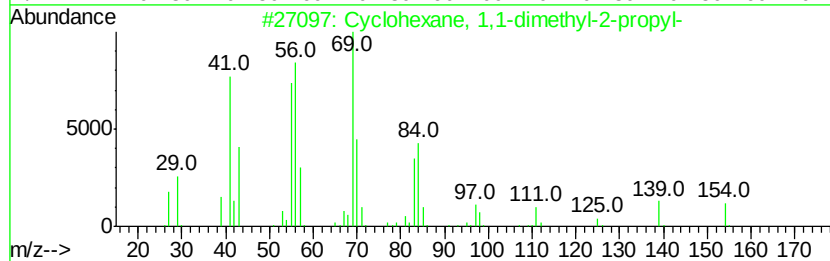
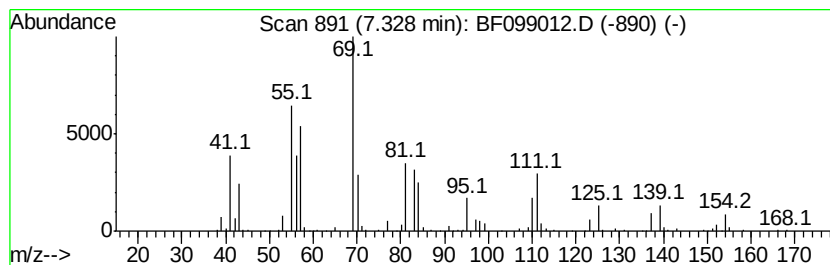
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 20

| R.T. | EstConc | Area    | Relative to ISTD       | R.T. |
|------|---------|---------|------------------------|------|
| 7.33 | 6.61 ng | 1138130 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,1-dimethyl-2-propyl- | 154 | C11H22  | 081983-71-3 | 53   |
| 2    |    |   | Cyclopentane, (2-methylbutyl)-      | 140 | C10H20  | 053366-38-4 | 50   |
| 3    |    |   | Nonane, 2-methyl-3-methylene-       | 154 | C11H22  | 055499-08-6 | 50   |
| 4    |    |   | 2-Decene, 4-methyl-, (Z)-           | 154 | C11H22  | 074630-30-1 | 50   |
| 5    |    |   | 1-Hexene, 3,3,5-trimethyl-          | 126 | C9H18   | 013427-43-5 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
G-63-2.5-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

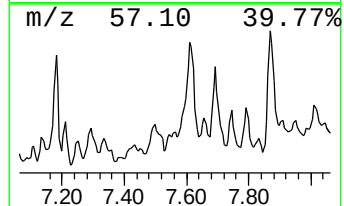
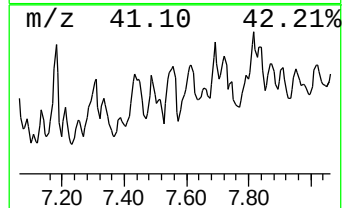
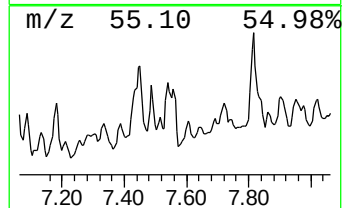
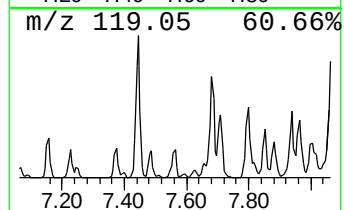
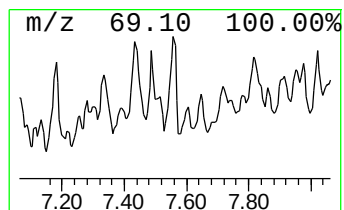
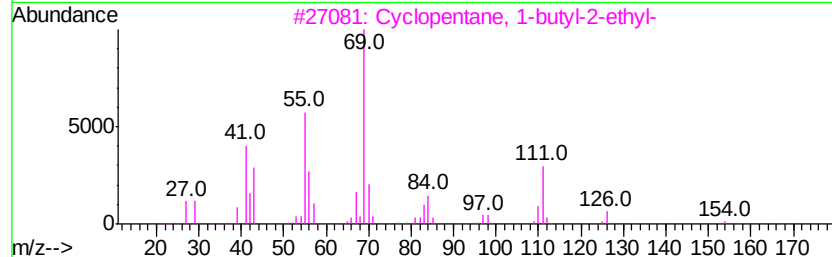
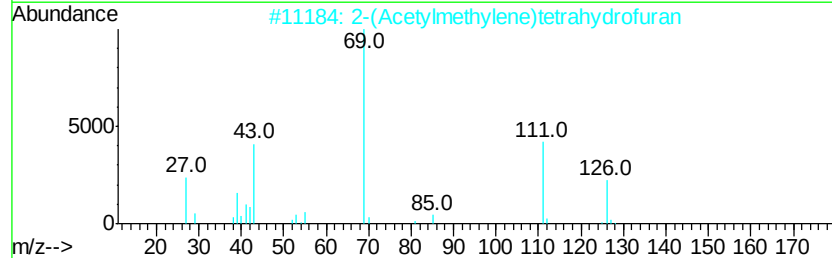
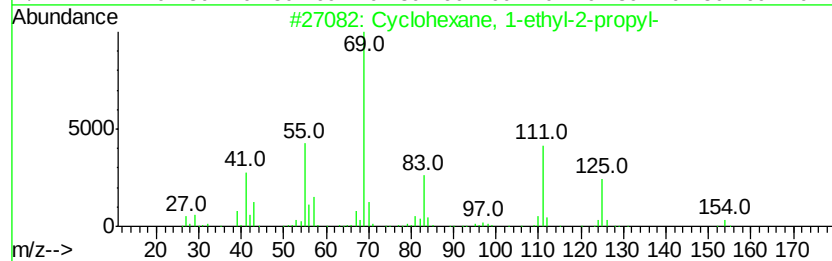
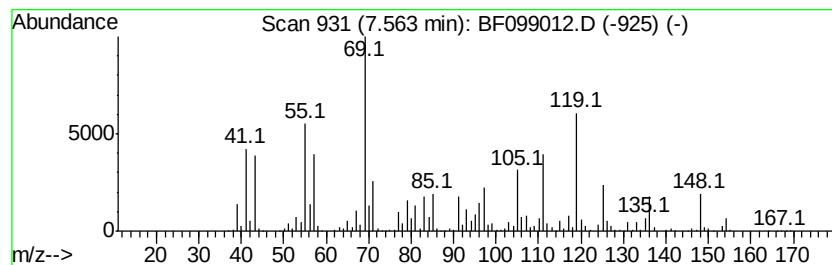
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown7.56 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.56 | 42.50 ng | 3752400 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-2-propyl-       | 154 | C11H22  | 062238-33-9 | 38   |
| 2    |    | 2-(Acetylmethylene)tetrahydrofuran   | 126 | C7H10O2 | 112595-65-0 | 30   |
| 3    |    | Cyclopentane, 1-butyl-2-ethyl-       | 154 | C11H22  | 072993-32-9 | 27   |
| 4    |    | Cyclohexane, 1,2,4-trimethyl-, (...) | 126 | C9H18   | 007667-60-9 | 27   |
| 5    |    | Cyclooctane, butyl-                  | 168 | C12H24  | 016538-93-5 | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

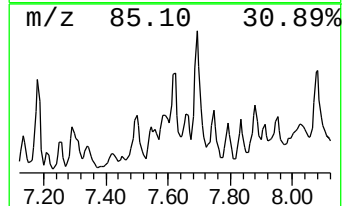
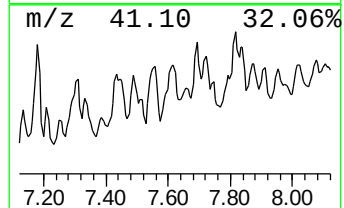
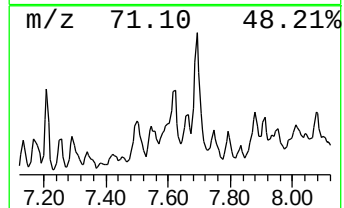
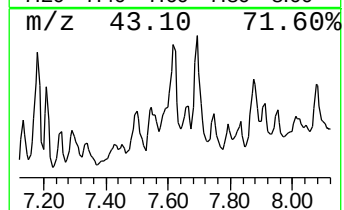
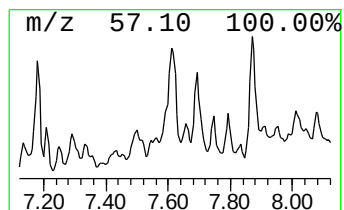
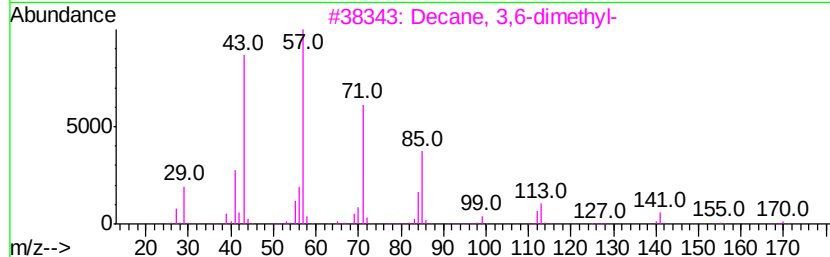
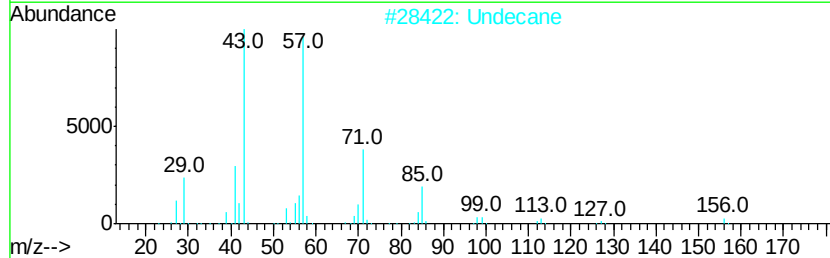
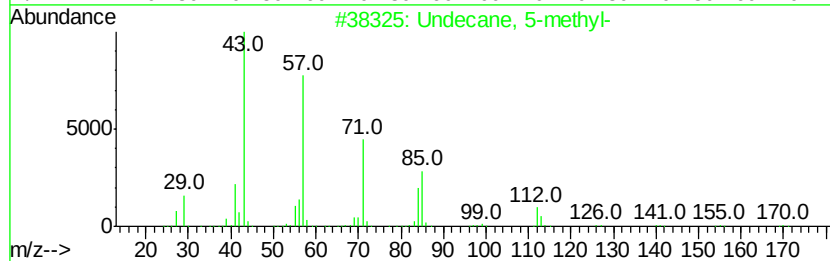
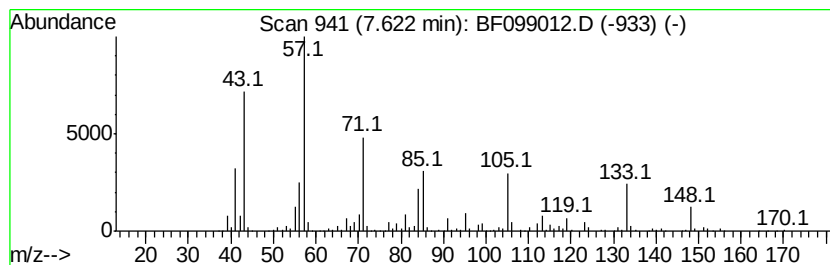
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown7.62 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.62 | 46.63 ng | 4117310 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 5-methyl-     | 170 | C12H26  | 001632-70-8 | 46   |
| 2    |    | Undecane                | 156 | C11H24  | 001120-21-4 | 43   |
| 3    |    | Decane, 3,6-dimethyl-   | 170 | C12H26  | 017312-53-7 | 43   |
| 4    |    | Undecane, 3,7-dimethyl- | 184 | C13H28  | 017301-29-0 | 38   |
| 5    |    | Decane, 5-methyl-       | 156 | C11H24  | 013151-35-4 | 35   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

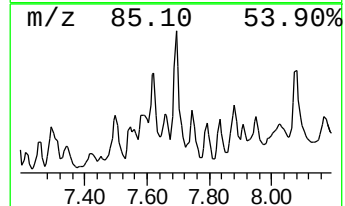
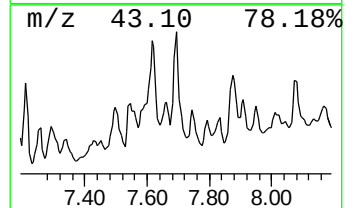
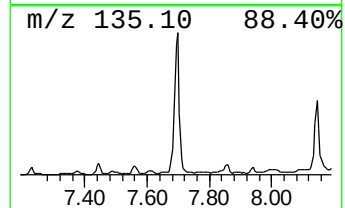
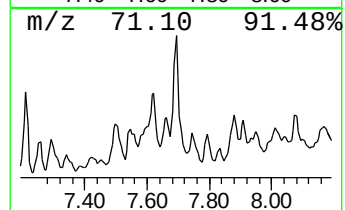
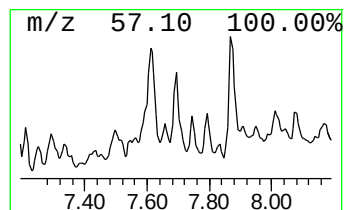
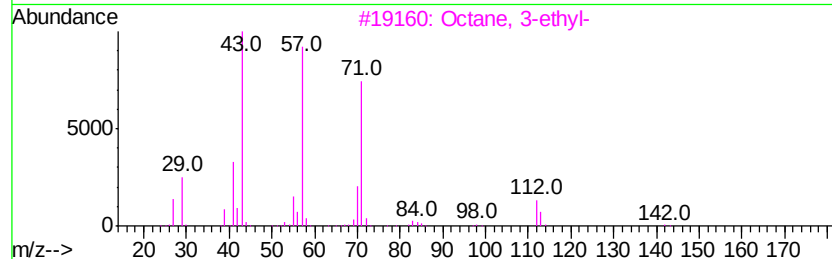
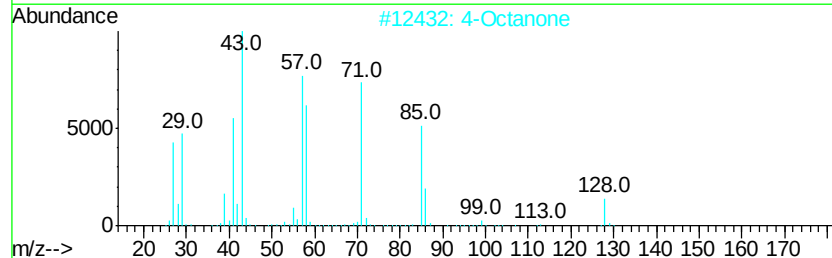
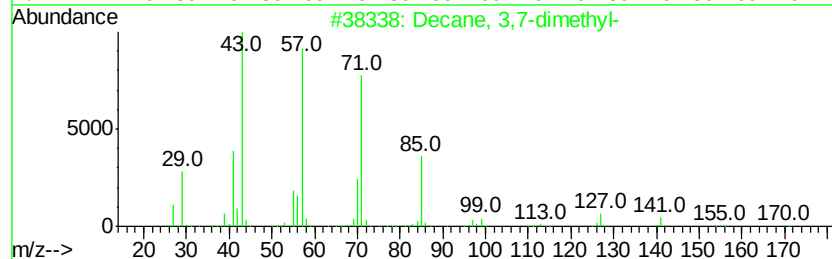
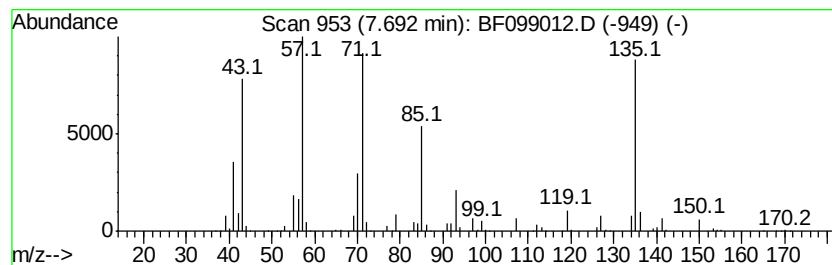
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Decane, 3,7-dimethyl- Concentration Rank 7

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.69 | 19.37 ng | 1710360 | Naphthalene-d8   | 8.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Decane, 3,7-dimethyl-               | 170 | C12H26   | 017312-54-8  | 70   |
| 2    |    | 4-Octanone                          | 128 | C8H16O   | 000589-63-9  | 35   |
| 3    |    | Octane, 3-ethyl-                    | 142 | C10H22   | 005881-17-4  | 30   |
| 4    |    | Isobutyl 3-methylbutan-2-yl carb... | 188 | C10H20O3 | 1000372-77-0 | 27   |
| 5    |    | Decane, 4-methyl-                   | 156 | C11H24   | 002847-72-5  | 27   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

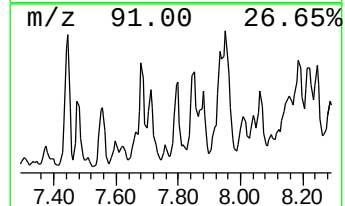
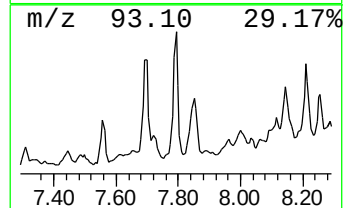
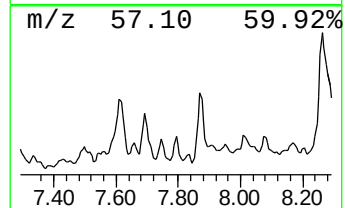
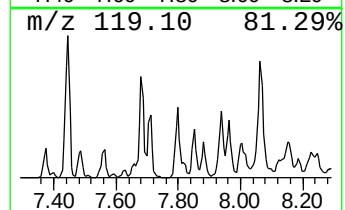
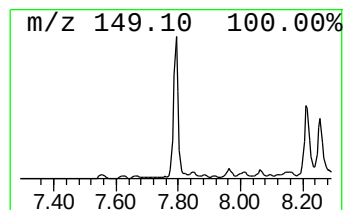
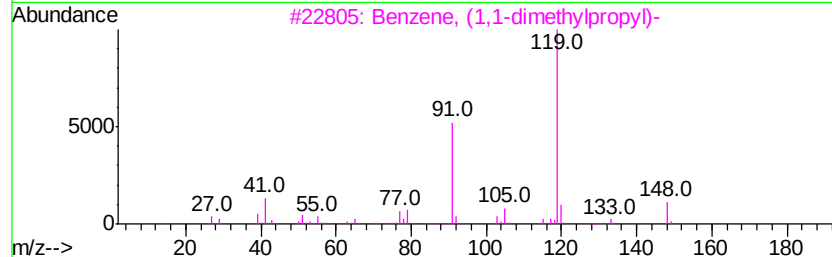
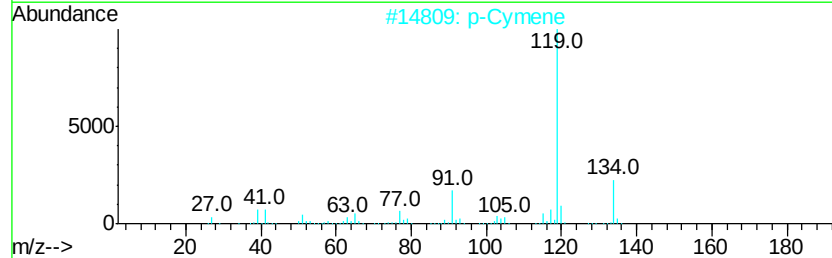
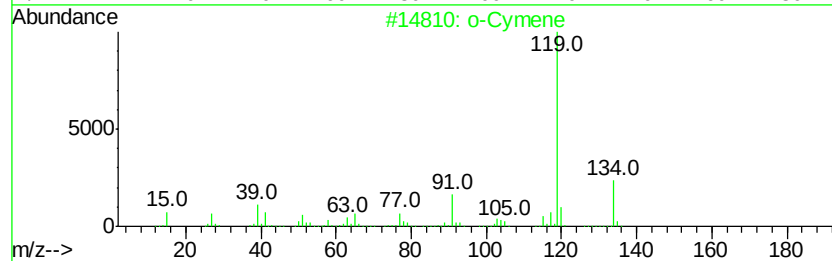
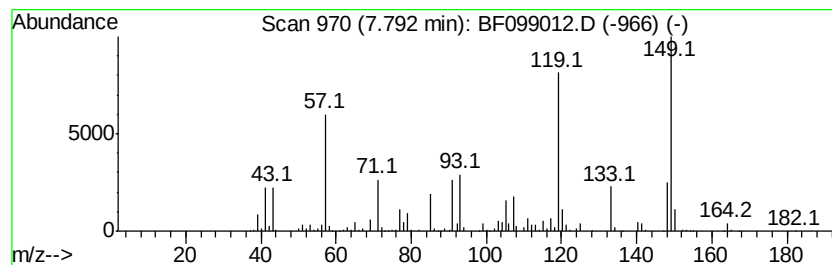
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown7.79 Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.79 | 23.46 ng | 2070940 | Naphthalene-d8   | 8.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | o-Cymene                            | 134 | C10H14   | 000527-84-4 | 35   |
| 2    |    | p-Cymene                            | 134 | C10H14   | 000099-87-6 | 35   |
| 3    |    | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16   | 002049-95-8 | 30   |
| 4    |    | Benzoic acid, 2,4-dimethyl-, (2,... | 268 | C18H20O2 | 055000-43-6 | 30   |
| 5    |    | 6-Methylthieno[2,3-b]pyridine       | 149 | C8H7NS   | 001759-30-4 | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

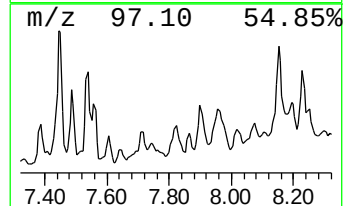
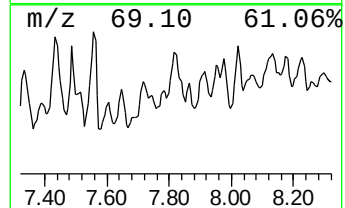
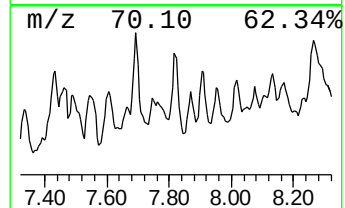
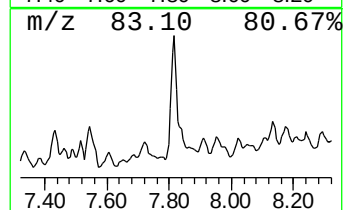
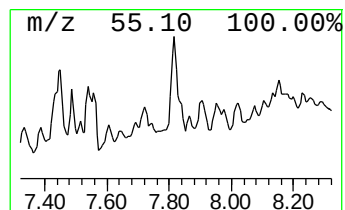
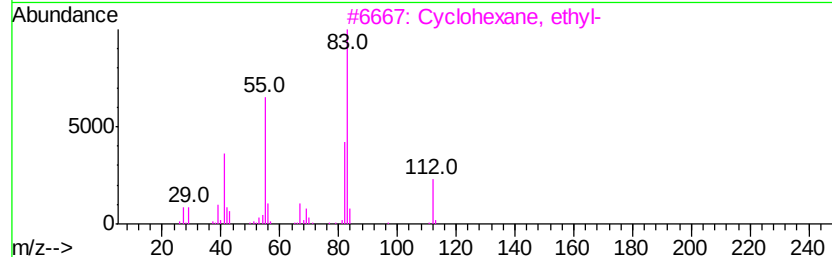
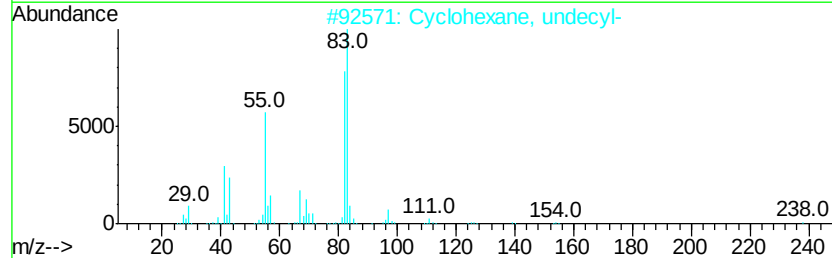
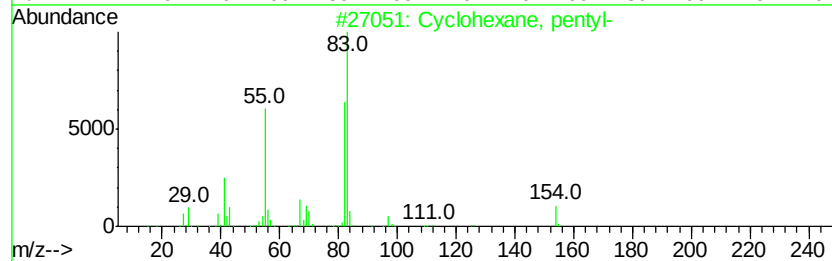
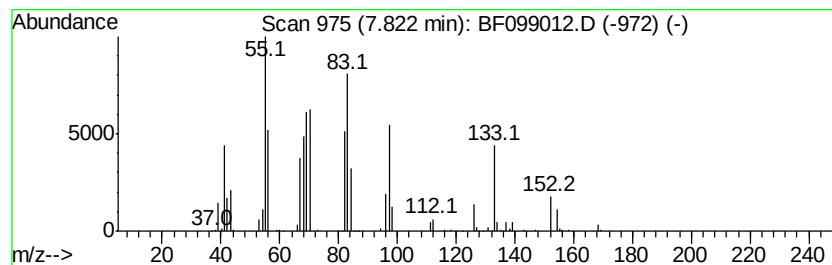
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Cyclohexane, pentyl- Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.82 | 19.60 ng | 1730210 | Naphthalene-d8   | 8.20 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 74   |
| 2    |    | Cyclohexane, undecyl-          | 238 | C17H34  | 054105-66-7 | 59   |
| 3    |    | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 59   |
| 4    |    | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 59   |
| 5    |    | Cyclohexane, propyl-           | 126 | C9H18   | 001678-92-8 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

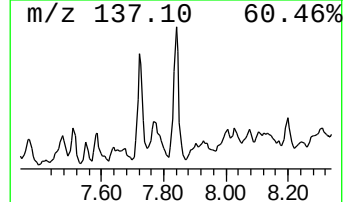
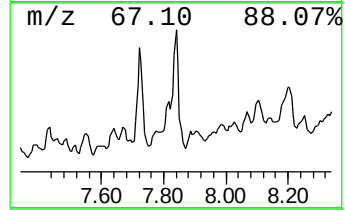
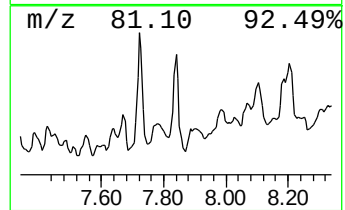
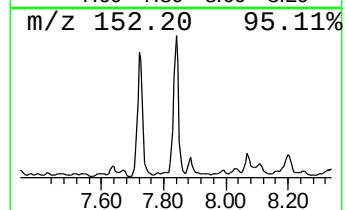
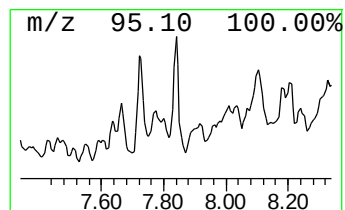
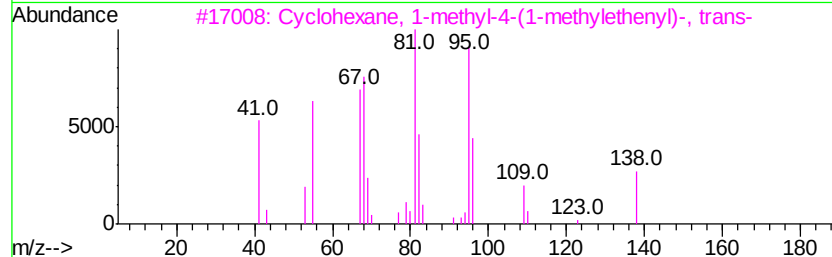
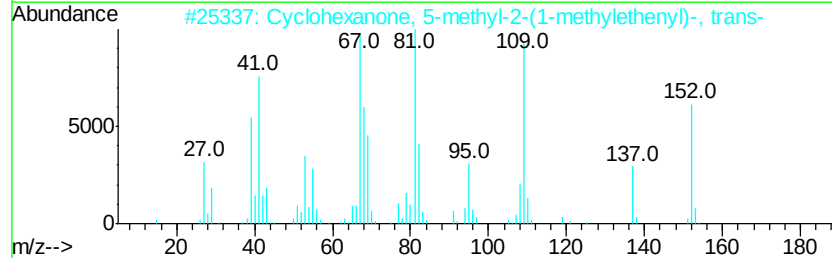
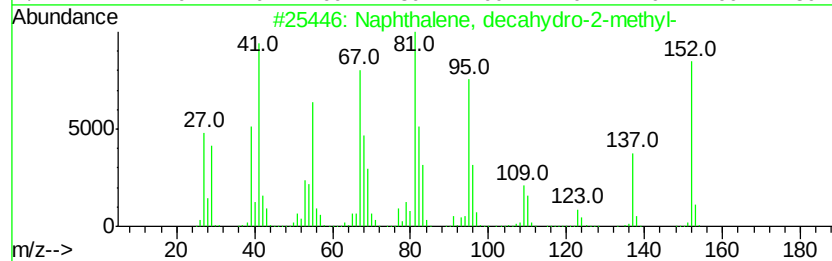
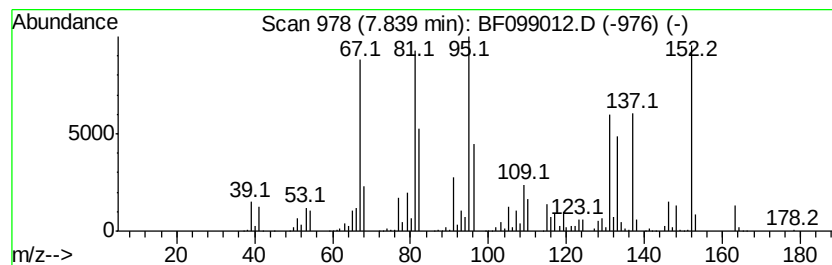
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Naphthalene, decahydro-2-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.84 | 29.05 ng | 2565100 | Naphthalene-d8   | 8.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 76   |
| 2    |    | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 029606-79-9 | 49   |
| 3    |    | Cyclohexane, 1-methyl-4-(1-methv... | 138 | C10H18  | 001124-25-0 | 46   |
| 4    |    | Cyclohexanone, 5-methyl-2-(1-met... | 152 | C10H16O | 015932-80-6 | 46   |
| 5    |    | 9-Methylbicyclo[3.3.1]nonane        | 138 | C10H18  | 025107-01-1 | 45   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

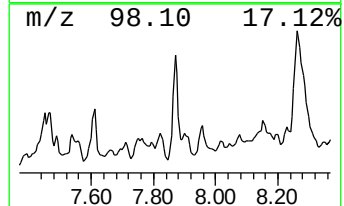
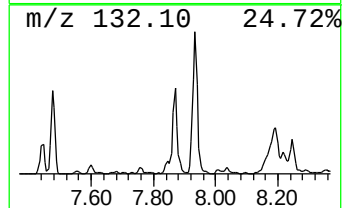
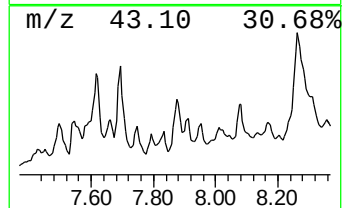
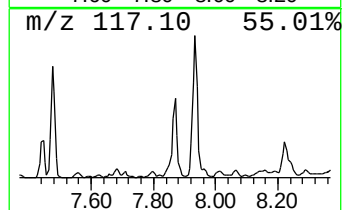
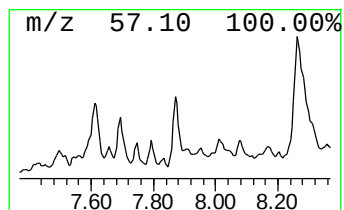
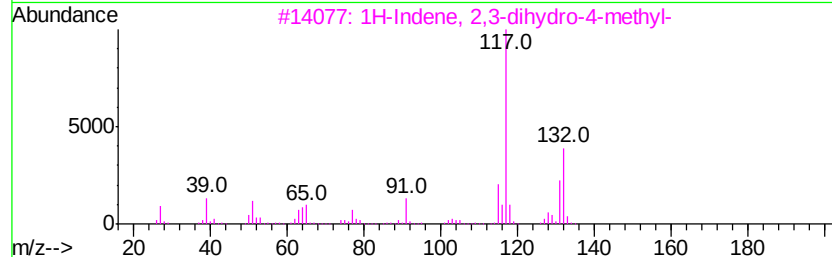
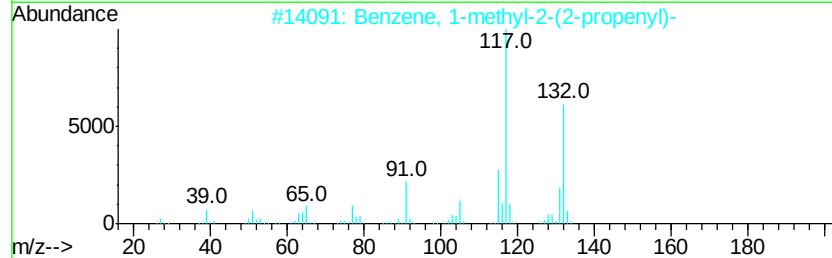
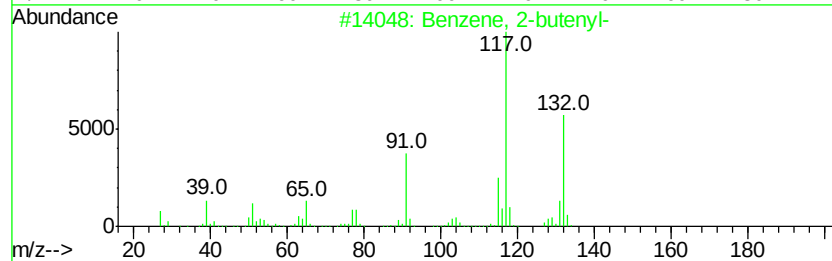
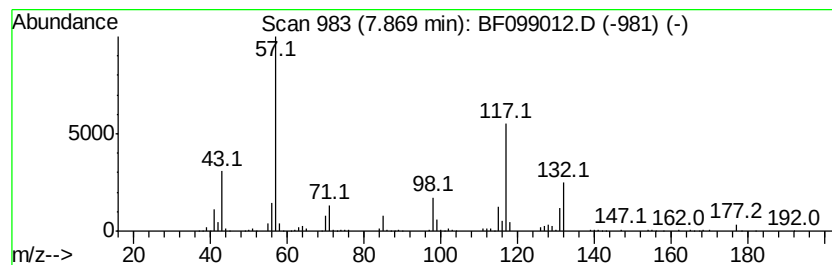
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Benzene, 2-butenyl- Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.87 | 18.42 ng | 1625980 | Naphthalene-d8   | 8.20 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 58   |
| 2    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 58   |
| 3    |    | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 58   |
| 4    |    | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 53   |
| 5    |    | Benzene, (2-methyl-2-propenyl)-   | 132 | C10H12  | 003290-53-7 | 53   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

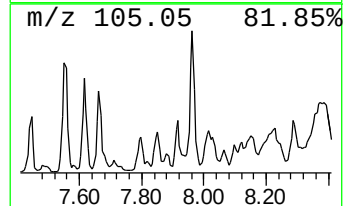
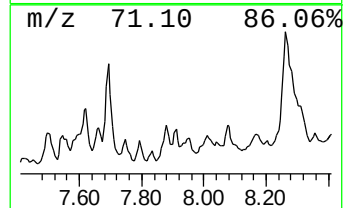
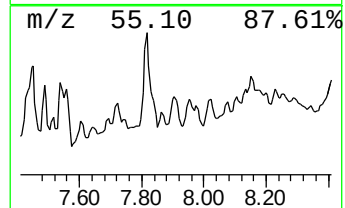
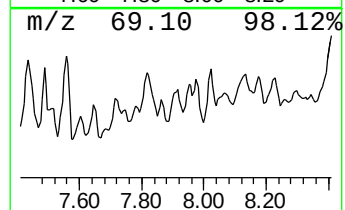
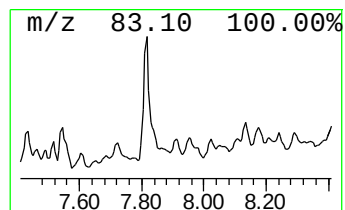
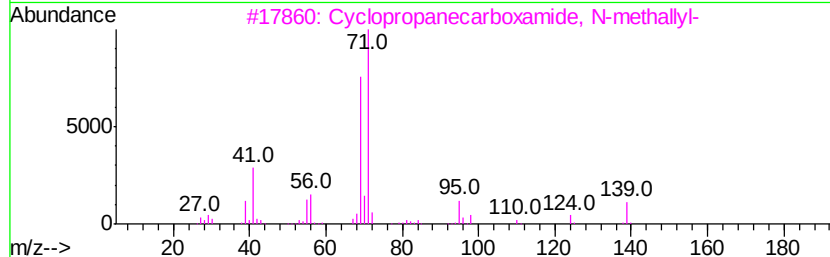
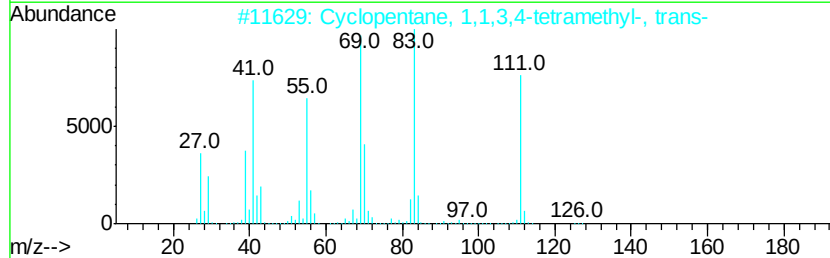
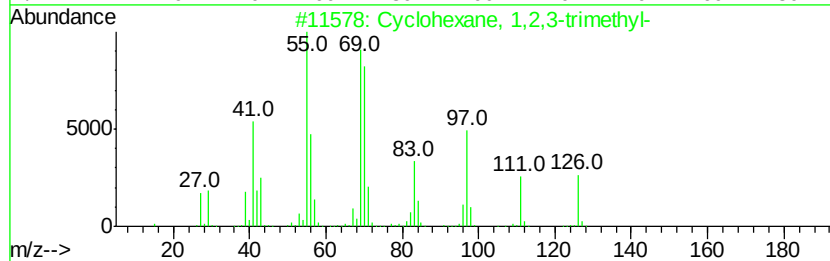
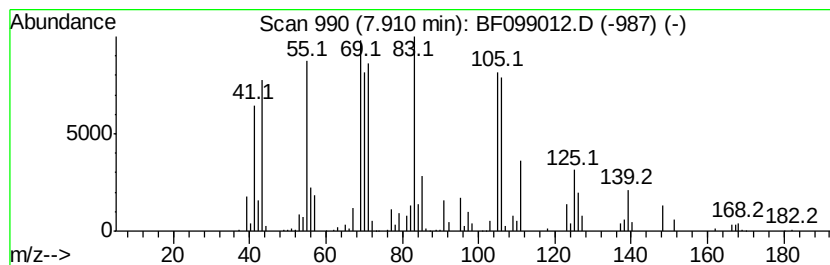
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 unknown7.91 Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 7.91 | 8.35 ng | 737521 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclohexane, 1,2,3-trimethyl-        | 126 | C9H18   | 001678-97-3  | 35   |
| 2    |    | Cyclopentane, 1,1,3,4-tetramethyl... | 126 | C9H18   | 020309-77-7  | 27   |
| 3    |    | Cyclopropanecarboxamide, N-metha...  | 139 | C8H13NO | 1000340-05-6 | 25   |
| 4    |    | Cyclohexane, 1,1,3,5-tetramethyl...  | 140 | C10H20  | 050876-31-8  | 22   |
| 5    |    | 2,2-Dimethyl-3-heptene trans         | 126 | C9H18   | 019550-75-5  | 18   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

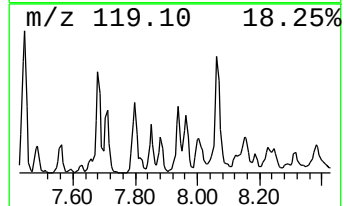
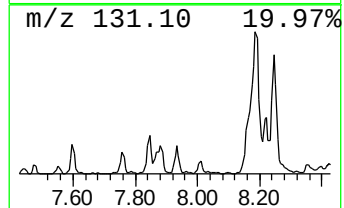
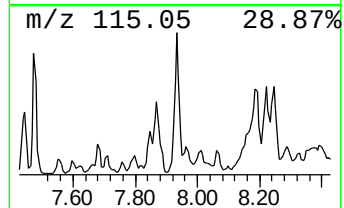
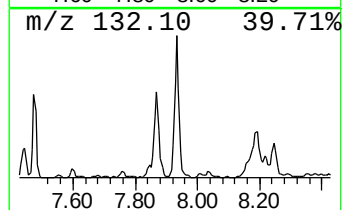
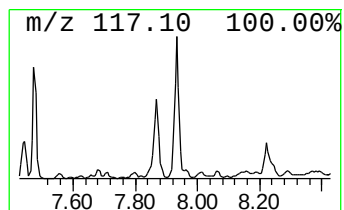
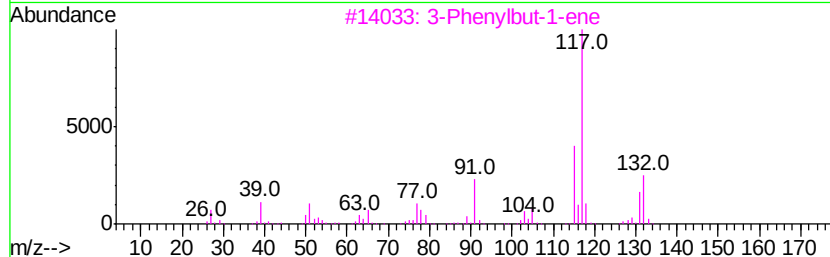
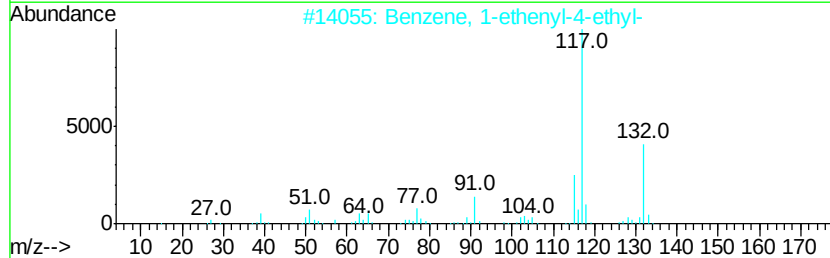
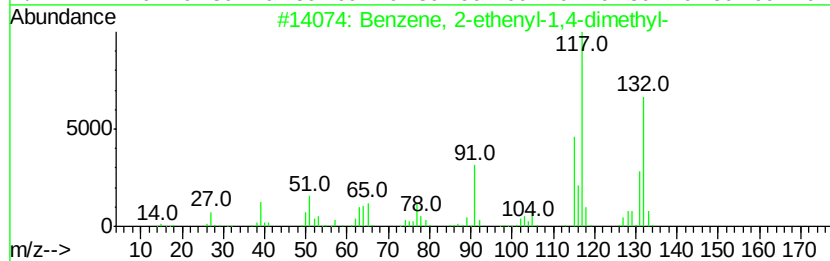
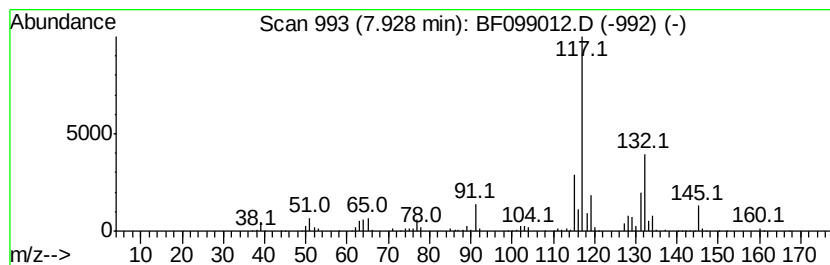
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.93 | 13.87 ng | 1224560 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 95   |
| 2    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 83   |
| 3    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 76   |
| 4    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 70   |
| 5    |    | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 70   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

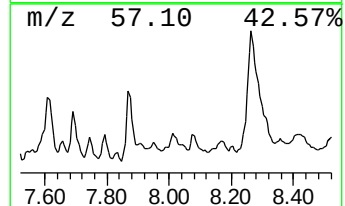
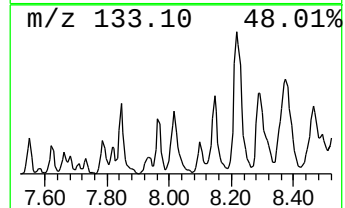
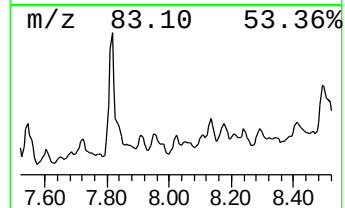
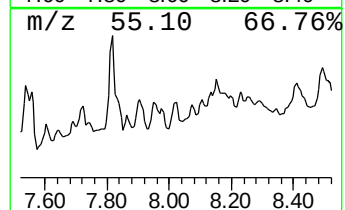
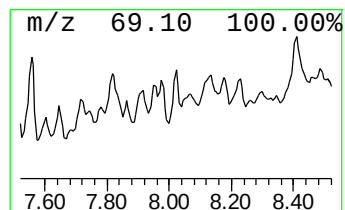
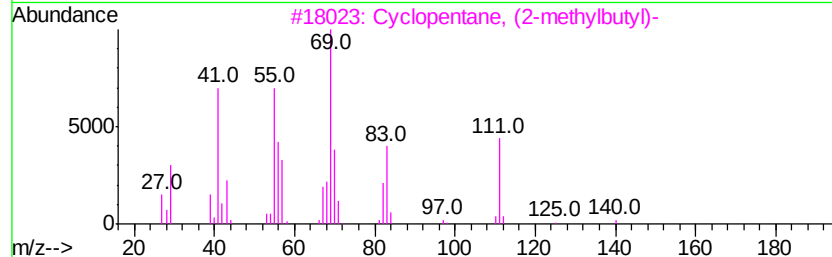
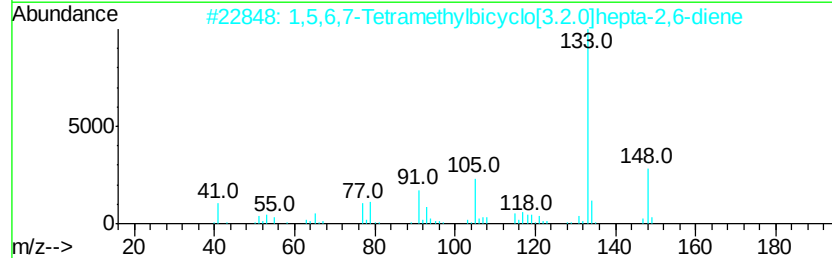
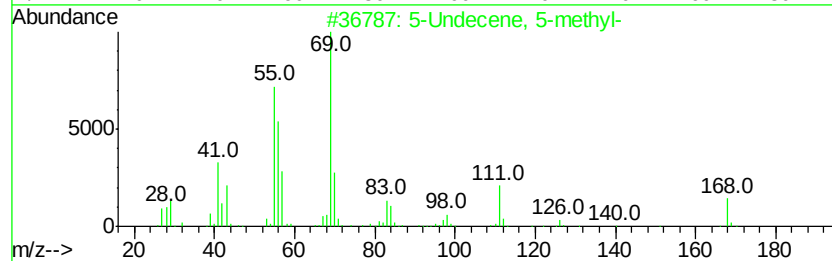
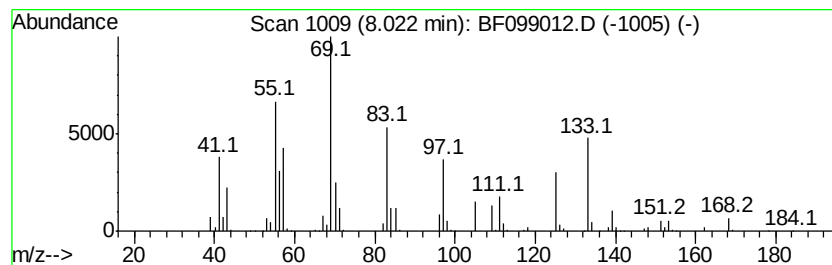
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown8.02 Concentration Rank 13

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.02 | 14.64 ng | 1292320 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID                                     | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecene, 5-methyl-                              | 168 | C12H24  | 031613-73-7 | 38   |
| 2    |    | 1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene | 148 | C11H16  | 134329-46-7 | 25   |
| 3    |    | Cyclopentane, (2-methylbutyl)-                   | 140 | C10H20  | 053366-38-4 | 25   |
| 4    |    | Benzene, 1-(1,1-dimethylethyl)-3-                | 148 | C11H16  | 001075-38-3 | 25   |
| 5    |    | Ethanone, 1-(4-ethylphenyl)-                     | 148 | C10H12O | 000937-30-4 | 25   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
Data File : BF099012.D  
Acq On : 2 Oct 2017 21:01  
Operator : SJ/JU  
Sample : I5531-07 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

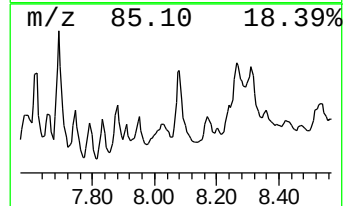
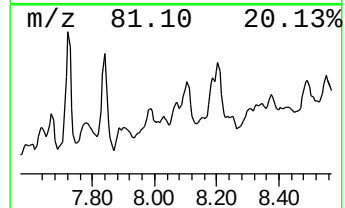
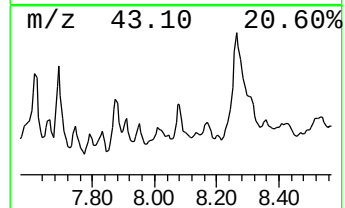
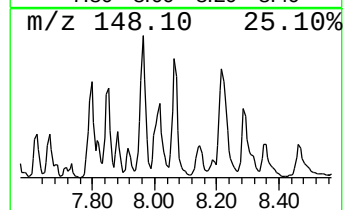
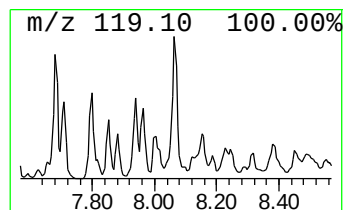
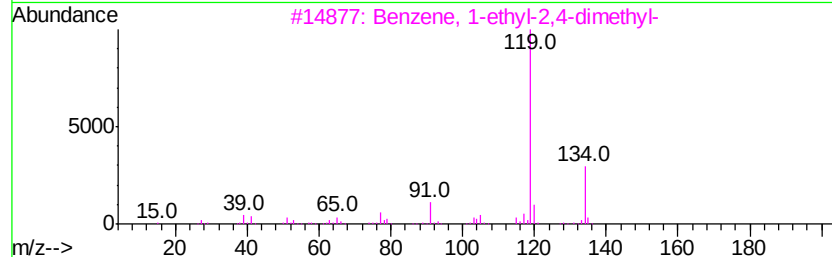
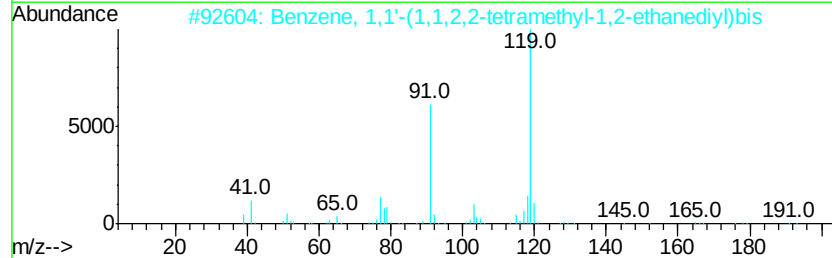
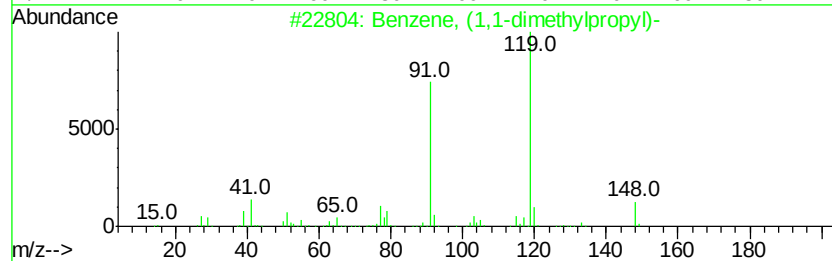
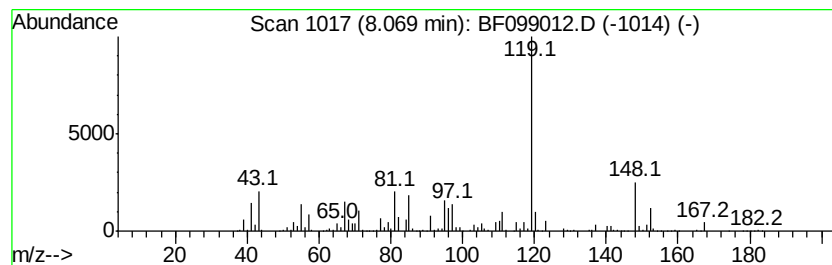
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 unknown8.07 Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.07 | 20.00 ng | 1765840 | Napthalene-d8    | 8.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16      | 002049-95-8  | 49   |
| 2    |    | Benzene, 1,1'-(1,1,2,2-tetrameth... | 238 | C18H22      | 001889-67-4  | 43   |
| 3    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14      | 000874-41-9  | 38   |
| 4    |    | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14      | 000934-74-7  | 38   |
| 5    |    | 2-Methylbenzoic acid, 2-formyl-4... | 308 | C15H10Cl2O3 | 1000331-28-4 | 38   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100217\  
 Data File : BF099012.D  
 Acq On : 2 Oct 2017 21:01  
 Operator : SJ/JU  
 Sample : I5531-07 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 G-63-2.5-5

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| Octane, 3,6-dimet... | 6.15 | 16.6    | ng    | 2853190  | 1                     | 6.90 | 3443400 | 20.0 |
| unknown6.35          | 6.35 | 8.3     | ng    | 1435990  | 1                     | 6.90 | 3443400 | 20.0 |
| Cyclohexane, 1,1,... | 6.44 | 13.1    | ng    | 2251510  | 1                     | 6.90 | 3443400 | 20.0 |
| 3-Hexene, 3-ethyl... | 6.65 | 8.6     | ng    | 1479720  | 1                     | 6.90 | 3443400 | 20.0 |
| unknown6.67          | 6.67 | 18.8    | ng    | 3237350  | 1                     | 6.90 | 3443400 | 20.0 |
| Cyclohexane, butyl-  | 7.06 | 16.2    | ng    | 2783980  | 1                     | 6.90 | 3443400 | 20.0 |
| 1-Octanol, 2-butyl-  | 7.18 | 13.9    | ng    | 2387190  | 1                     | 6.90 | 3443400 | 20.0 |
| Naphthalene, deca... | 7.31 | 16.4    | ng    | 2829090  | 1                     | 6.90 | 3443400 | 20.0 |
| Cyclohexane, 1,1-... | 7.33 | 6.6     | ng    | 1138130  | 1                     | 6.90 | 3443400 | 20.0 |
| unknown7.56          | 7.56 | 42.5    | ng    | 3752400  | 2                     | 8.20 | 1765840 | 20.0 |
| unknown7.62          | 7.62 | 46.6    | ng    | 4117310  | 2                     | 8.20 | 1765840 | 20.0 |
| Decane, 3,7-dimet... | 7.69 | 19.4    | ng    | 1710360  | 2                     | 8.20 | 1765840 | 20.0 |
| unknown7.79          | 7.79 | 23.5    | ng    | 2070940  | 2                     | 8.20 | 1765840 | 20.0 |
| Cyclohexane, pentyl- | 7.82 | 19.6    | ng    | 1730210  | 2                     | 8.20 | 1765840 | 20.0 |
| Naphthalene, deca... | 7.84 | 29.1    | ng    | 2565100  | 2                     | 8.20 | 1765840 | 20.0 |
| Benzene, 2-butenyl-  | 7.87 | 18.4    | ng    | 1625980  | 2                     | 8.20 | 1765840 | 20.0 |
| unknown7.91          | 7.91 | 8.3     | ng    | 737521   | 2                     | 8.20 | 1765840 | 20.0 |
| Benzene, 2-etheny... | 7.93 | 13.9    | ng    | 1224560  | 2                     | 8.20 | 1765840 | 20.0 |
| unknown8.02          | 8.02 | 14.6    | ng    | 1292320  | 2                     | 8.20 | 1765840 | 20.0 |
| unknown8.07          | 8.07 | 20.0    | ng    | 1765840  | 2                     | 8.20 | 1765840 | 20.0 |