

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107729.D  
 Acq On : 27 Jul 2018 5:57  
 Operator : JU/SJ  
 Sample : J4142-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.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         | 5.190       | 482           | 485         | 490          | rBV      | 112238         | 151781        | 3.88%           | 0.216%        |
| 2         | 5.595       | 550           | 554         | 568          | rBV      | 820802         | 1622018       | 41.50%          | 2.305%        |
| 3         | 5.725       | 573           | 576         | 582          | rVB      | 127343         | 159226        | 4.07%           | 0.226%        |
| 4         | 5.972       | 613           | 618         | 622          | rVB2     | 185301         | 228637        | 5.85%           | 0.325%        |
| 5         | 6.154       | 644           | 649         | 652          | rBV3     | 85170          | 113613        | 2.91%           | 0.161%        |
| 6         | 6.195       | 652           | 656         | 659          | rVV3     | 78771          | 103570        | 2.65%           | 0.147%        |
| 7         | 6.231       | 659           | 662         | 665          | rVV      | 183059         | 194443        | 4.97%           | 0.276%        |
| 8         | 6.301       | 669           | 674         | 678          | rVB4     | 87960          | 140713        | 3.60%           | 0.200%        |
| 9         | 6.342       | 678           | 681         | 684          | rVB3     | 86219          | 90517         | 2.32%           | 0.129%        |
| 10        | 6.395       | 684           | 690         | 693          | rBV3     | 167653         | 183698        | 4.70%           | 0.261%        |
| 11        | 6.431       | 693           | 696         | 699          | rBV2     | 186826         | 207524        | 5.31%           | 0.295%        |
| 12        | 6.501       | 704           | 708         | 710          | rBV2     | 57533          | 71807         | 1.84%           | 0.102%        |
| 13        | 6.537       | 710           | 714         | 717          | rBV3     | 65171          | 96140         | 2.46%           | 0.137%        |
| 14        | 6.595       | 717           | 724         | 734          | rBV4     | 636346         | 1800733       | 46.07%          | 2.559%        |
| 15        | 6.701       | 738           | 742         | 744          | rBV      | 578414         | 579267        | 14.82%          | 0.823%        |
| 16        | 6.731       | 744           | 747         | 759          | rVB      | 2451951        | 3353078       | 85.78%          | 4.765%        |
| 17        | 6.813       | 759           | 761         | 763          | rVB      | 208377         | 163410        | 4.18%           | 0.232%        |
| 18        | 6.860       | 763           | 769         | 773          | rBV3     | 478122         | 785275        | 20.09%          | 1.116%        |
| 19        | 6.913       | 773           | 778         | 781          | rBV2     | 609844         | 703852        | 18.01%          | 1.000%        |
| 20        | 6.966       | 781           | 787         | 792          | rBV3     | 828637         | 1356830       | 34.71%          | 1.928%        |
| 21        | 7.013       | 792           | 795         | 797          | rBV4     | 202872         | 202214        | 5.17%           | 0.287%        |
| 22        | 7.037       | 797           | 799         | 802          | rVB3     | 421827         | 426920        | 10.92%          | 0.607%        |
| 23        | 7.072       | 802           | 805         | 806          | rBV      | 321692         | 301994        | 7.73%           | 0.429%        |
| 24        | 7.089       | 806           | 808         | 809          | rVB2     | 136893         | 94278         | 2.41%           | 0.134%        |
| 25        | 7.119       | 809           | 813         | 817          | rBV      | 2298703        | 2622774       | 67.10%          | 3.727%        |
| 26        | 7.172       | 820           | 822         | 826          | rVB4     | 213206         | 165768        | 4.24%           | 0.236%        |
| 27        | 7.219       | 828           | 830         | 835          | rVB6     | 281858         | 356525        | 9.12%           | 0.507%        |
| 28        | 7.272       | 835           | 839         | 841          | rBV3     | 167482         | 260943        | 6.68%           | 0.371%        |
| 29        | 7.313       | 842           | 846         | 853          | rBV6     | 375626         | 712140        | 18.22%          | 1.012%        |
| 30        | 7.378       | 853           | 857         | 858          | rBV2     | 582706         | 626217        | 16.02%          | 0.890%        |
| 31        | 7.419       | 861           | 864         | 868          | rVB4     | 699009         | 954871        | 24.43%          | 1.357%        |
| 32        | 7.460       | 868           | 871         | 876          | rBV5     | 659433         | 1278798       | 32.72%          | 1.817%        |
| 33        | 7.531       | 879           | 883         | 889          | rVB      | 1662618        | 2604069       | 66.62%          | 3.701%        |
| 34        | 7.595       | 889           | 894         | 898          | rVB3     | 811045         | 1058557       | 27.08%          | 1.504%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 7.642  | 898  | 902  | 905  | rBV2 | 871515  | 968998  | 24.79%  | 1.377% |
| 36 | 7.678  | 905  | 908  | 910  | rBV2 | 489979  | 659372  | 16.87%  | 0.937% |
| 37 | 7.737  | 916  | 918  | 921  | rBV3 | 381296  | 388544  | 9.94%   | 0.552% |
| 38 | 7.831  | 927  | 934  | 939  | rBV5 | 808440  | 1654202 | 42.32%  | 2.351% |
| 39 | 7.954  | 949  | 955  | 956  | rBV3 | 500120  | 891392  | 22.80%  | 1.267% |
| 40 | 7.995  | 959  | 962  | 964  | rVV3 | 658599  | 719327  | 18.40%  | 1.022% |
| 41 | 8.101  | 978  | 980  | 983  | rVV2 | 359550  | 384618  | 9.84%   | 0.547% |
| 42 | 8.142  | 984  | 987  | 991  | rVB4 | 1155709 | 1531902 | 39.19%  | 2.177% |
| 43 | 8.219  | 996  | 1000 | 1003 | rBV  | 1390740 | 1642311 | 42.02%  | 2.334% |
| 44 | 8.248  | 1003 | 1005 | 1007 | rBV2 | 577442  | 441378  | 11.29%  | 0.627% |
| 45 | 8.325  | 1015 | 1018 | 1020 | rBV2 | 477831  | 529519  | 13.55%  | 0.753% |
| 46 | 8.478  | 1042 | 1044 | 1046 | rBV2 | 445031  | 429386  | 10.98%  | 0.610% |
| 47 | 8.584  | 1059 | 1062 | 1066 | rVB3 | 846594  | 1198386 | 30.66%  | 1.703% |
| 48 | 8.625  | 1066 | 1069 | 1071 | rBV3 | 1058975 | 1128648 | 28.87%  | 1.604% |
| 49 | 8.678  | 1075 | 1078 | 1080 | rVV  | 1755705 | 1750119 | 44.77%  | 2.487% |
| 50 | 8.701  | 1080 | 1082 | 1087 | rVB2 | 1405359 | 1578840 | 40.39%  | 2.244% |
| 51 | 8.748  | 1087 | 1090 | 1091 | rBV2 | 447430  | 384579  | 9.84%   | 0.547% |
| 52 | 8.778  | 1092 | 1095 | 1097 | rBV  | 1190322 | 1235895 | 31.62%  | 1.756% |
| 53 | 8.860  | 1107 | 1109 | 1112 | rBV  | 942578  | 1154875 | 29.55%  | 1.641% |
| 54 | 8.889  | 1112 | 1114 | 1117 | rVV3 | 780310  | 842742  | 21.56%  | 1.198% |
| 55 | 8.983  | 1125 | 1130 | 1133 | rBV4 | 1205807 | 1831672 | 46.86%  | 2.603% |
| 56 | 9.019  | 1133 | 1136 | 1140 | rVB  | 903178  | 1163019 | 29.75%  | 1.653% |
| 57 | 9.119  | 1151 | 1153 | 1156 | rBV2 | 829974  | 903789  | 23.12%  | 1.284% |
| 58 | 9.319  | 1184 | 1187 | 1193 | rVB  | 2588882 | 2865179 | 73.30%  | 4.072% |
| 59 | 9.395  | 1196 | 1200 | 1204 | rVB  | 3441381 | 3908849 | 100.00% | 5.555% |
| 60 | 9.707  | 1250 | 1253 | 1259 | rVB2 | 999250  | 1058089 | 27.07%  | 1.504% |
| 61 | 9.813  | 1269 | 1271 | 1274 | rVB2 | 831815  | 685340  | 17.53%  | 0.974% |
| 62 | 9.866  | 1277 | 1280 | 1281 | rBV2 | 1064336 | 939203  | 24.03%  | 1.335% |
| 63 | 9.883  | 1281 | 1283 | 1286 | rVB3 | 873378  | 731031  | 18.70%  | 1.039% |
| 64 | 9.983  | 1298 | 1300 | 1302 | rBV  | 741939  | 583736  | 14.93%  | 0.830% |
| 65 | 10.007 | 1302 | 1304 | 1306 | rVB  | 766871  | 540011  | 13.82%  | 0.767% |
| 66 | 10.407 | 1369 | 1372 | 1374 | rVB  | 692010  | 569798  | 14.58%  | 0.810% |
| 67 | 10.795 | 1435 | 1438 | 1442 | rBV  | 1637962 | 1948512 | 49.85%  | 2.769% |
| 68 | 11.495 | 1554 | 1557 | 1569 | rVB  | 1057965 | 1291401 | 33.04%  | 1.835% |
| 69 | 11.924 | 1628 | 1630 | 1633 | rBV2 | 74272   | 76231   | 1.95%   | 0.108% |
| 70 | 12.001 | 1640 | 1643 | 1649 | rBV  | 320861  | 323059  | 8.26%   | 0.459% |
| 71 | 12.783 | 1774 | 1776 | 1784 | rVB8 | 42698   | 67162   | 1.72%   | 0.095% |

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Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 13.077 | 1822 | 1826 | 1840 | rBV  | 2837123 | 2981035 | 76.26% | 4.237% |
| 73 | 13.954 | 1971 | 1975 | 1981 | rBV  | 136616  | 159141  | 4.07%  | 0.226% |
| 74 | 14.095 | 1995 | 1999 | 2003 | rBV  | 895620  | 794721  | 20.33% | 1.129% |
| 75 | 14.142 | 2003 | 2007 | 2018 | rBV  | 1036868 | 1171851 | 29.98% | 1.665% |
| 76 | 14.977 | 2145 | 2149 | 2154 | rVB  | 476439  | 491515  | 12.57% | 0.699% |
| 77 | 15.248 | 2192 | 2195 | 2199 | rBV2 | 55996   | 62070   | 1.59%  | 0.088% |
| 78 | 15.671 | 2260 | 2267 | 2281 | rVB2 | 736909  | 1287464 | 32.94% | 1.830% |
| 79 | 16.107 | 2337 | 2341 | 2348 | rVB2 | 59535   | 89909   | 2.30%  | 0.128% |
| 80 | 16.642 | 2428 | 2432 | 2437 | rVB2 | 55689   | 85080   | 2.18%  | 0.121% |
| 81 | 18.236 | 2695 | 2703 | 2711 | rVB  | 176872  | 468714  | 11.99% | 0.666% |

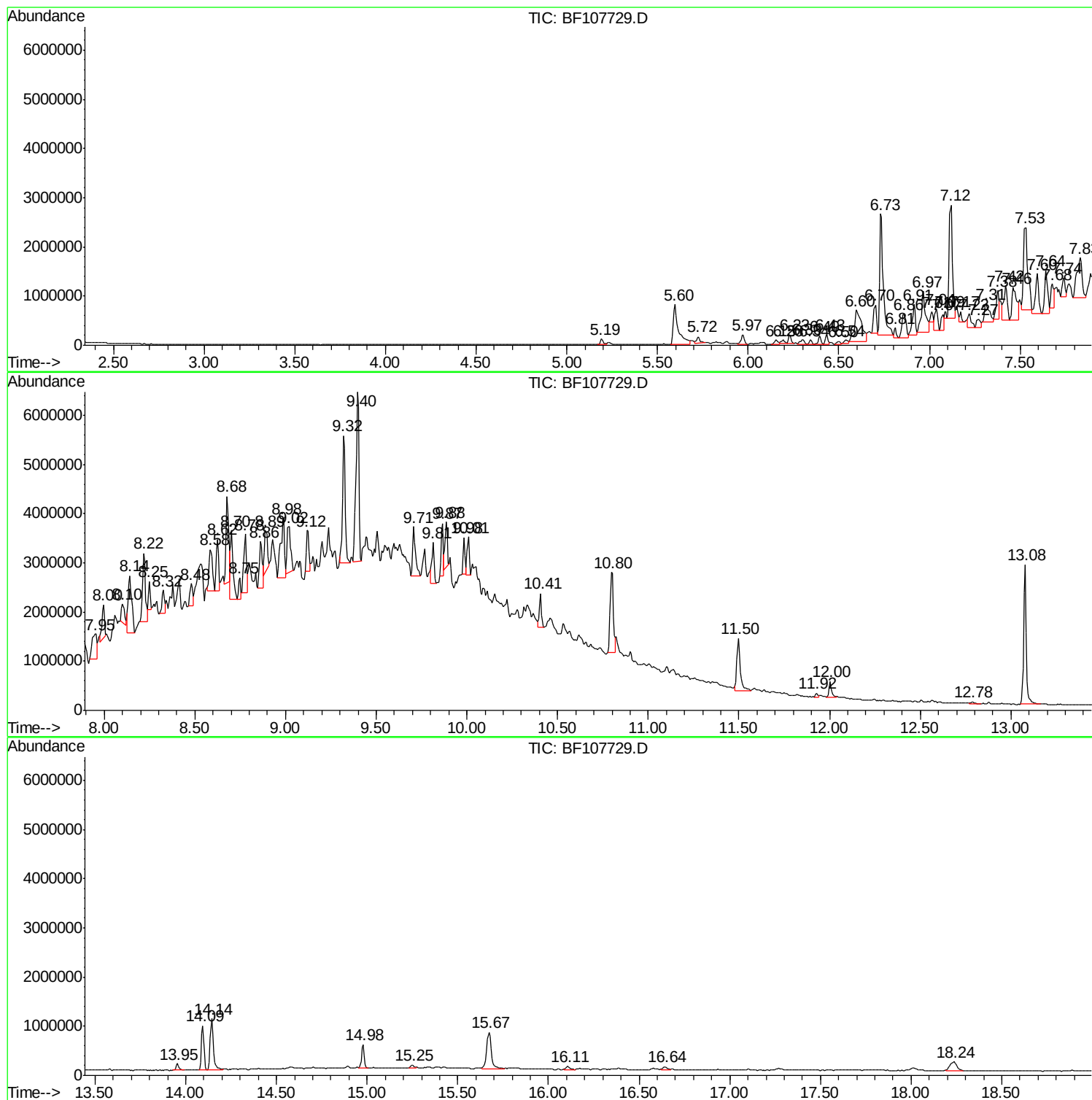
Sum of corrected areas: 70364814

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.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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Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

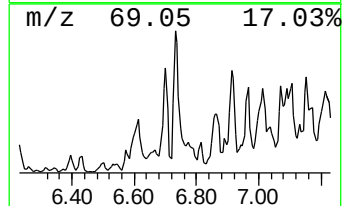
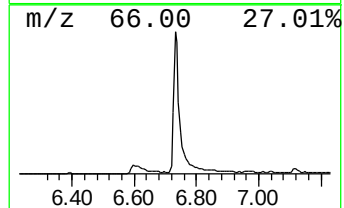
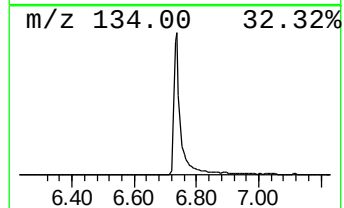
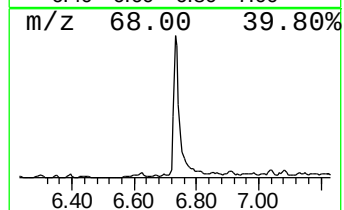
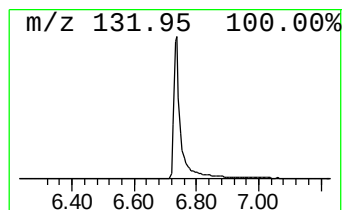
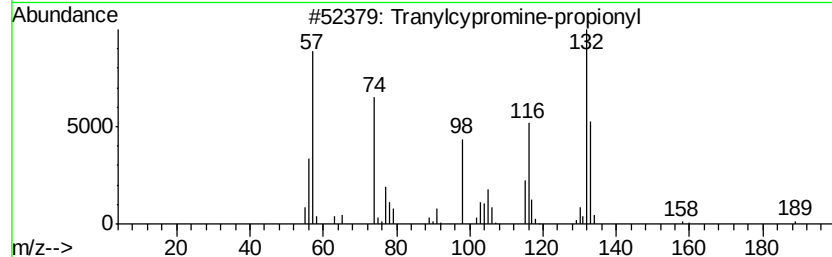
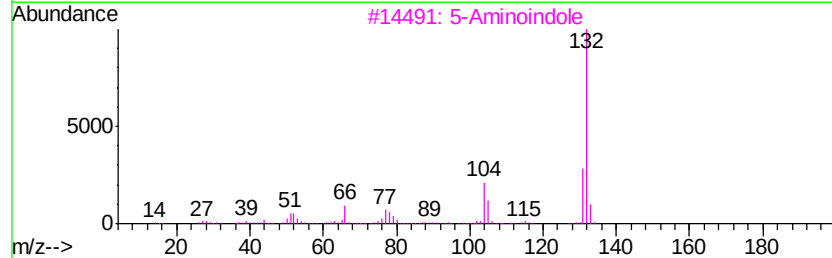
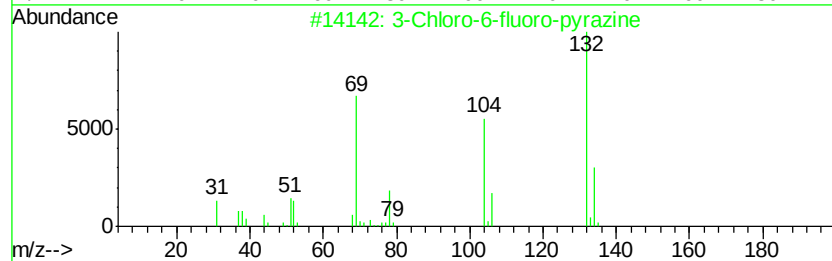
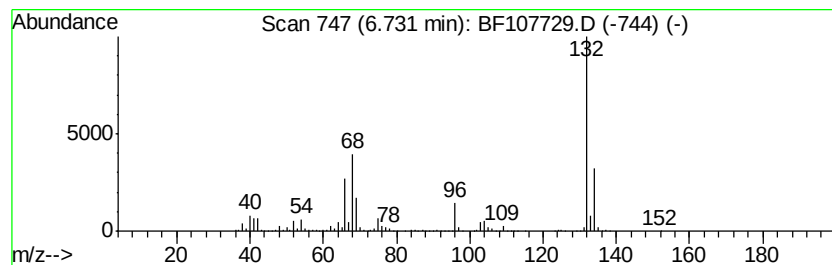
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.73 Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.73 | 49.43 ng | 3353080 | 1,4-Dichlorobenzene-d4 | 6.97 |

| 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  | 12   |
| 3    |    |   | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    |   | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

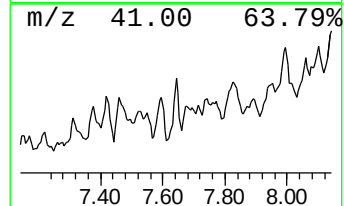
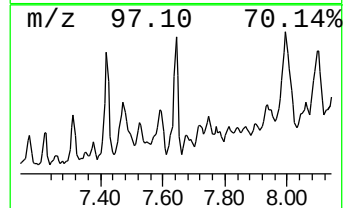
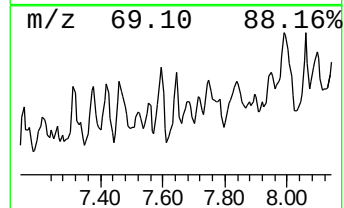
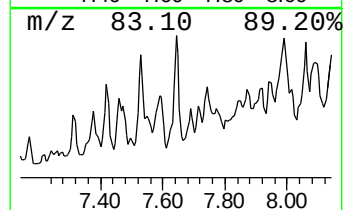
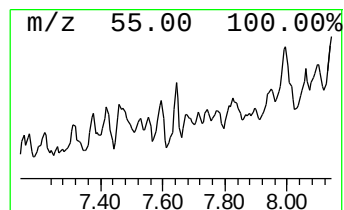
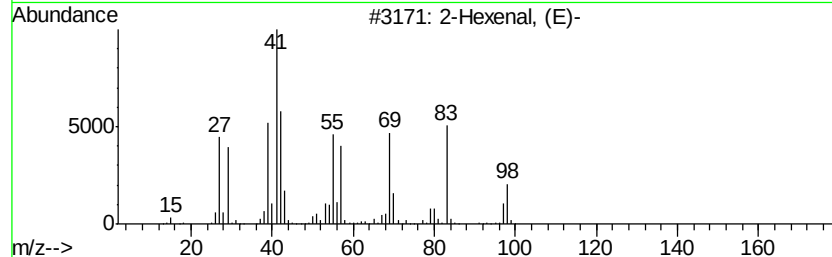
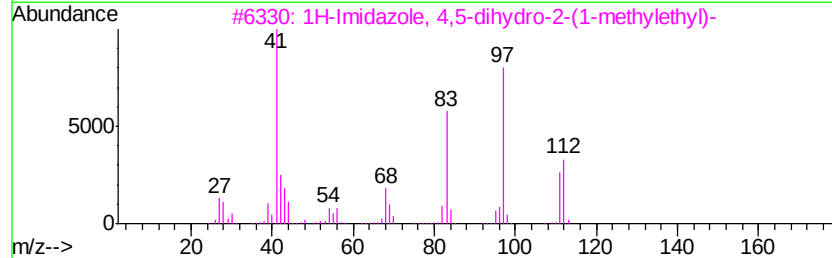
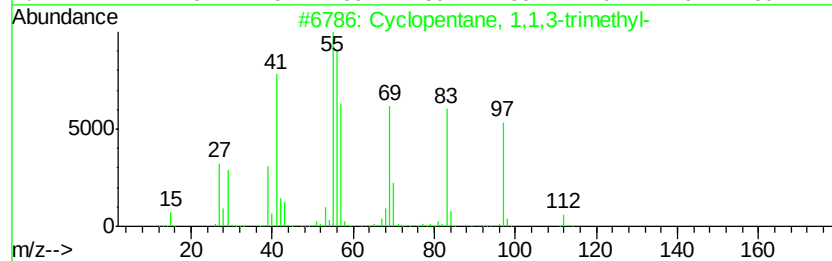
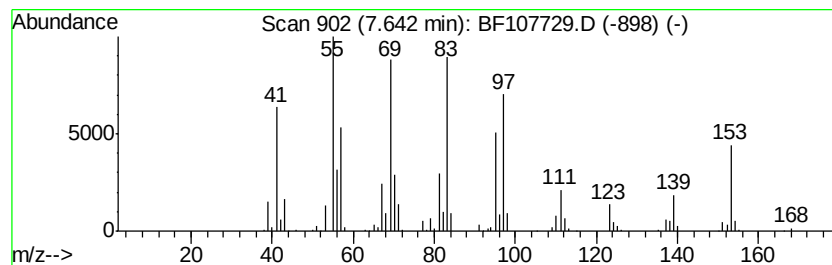
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.64 Concentration Rank 13

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 7.64 | 43.91 ng | 968998 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1,1,3-trimethyl-      | 112 | C8H16   | 004516-69-2 | 49   |
| 2    |    | 1H-Imidazole, 4,5-dihydro-2-(1-m... | 112 | C6H12N2 | 040029-86-5 | 38   |
| 3    |    | 2-Hexenal, (E)-                     | 98  | C6H10O  | 006728-26-3 | 38   |
| 4    |    | 7-Octenal, 3,7-dimethyl-            | 154 | C10H18O | 000141-26-4 | 38   |
| 5    |    | 2-Pentene, 3-ethyl-4,4-dimethyl-    | 126 | C9H18   | 053907-59-8 | 35   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

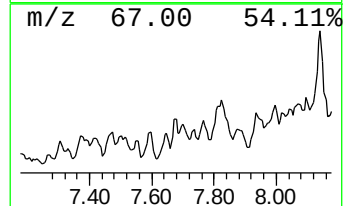
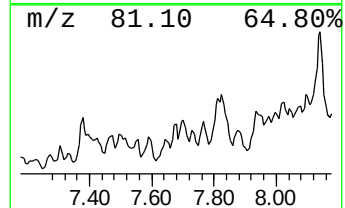
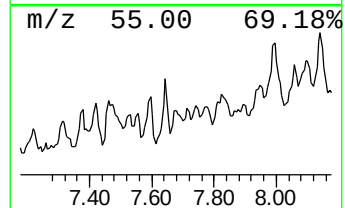
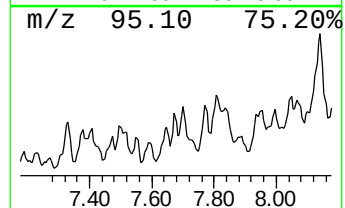
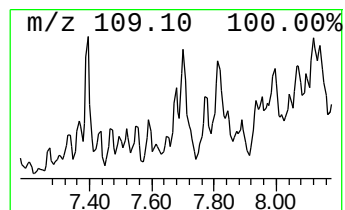
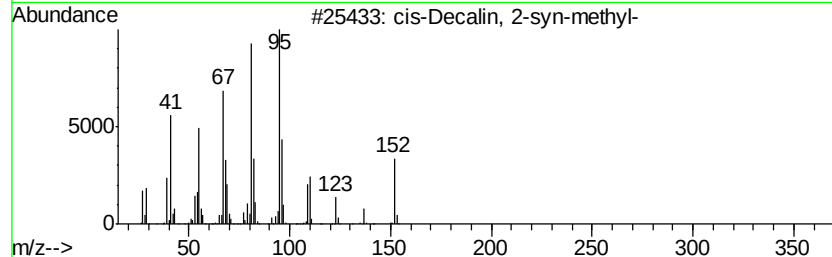
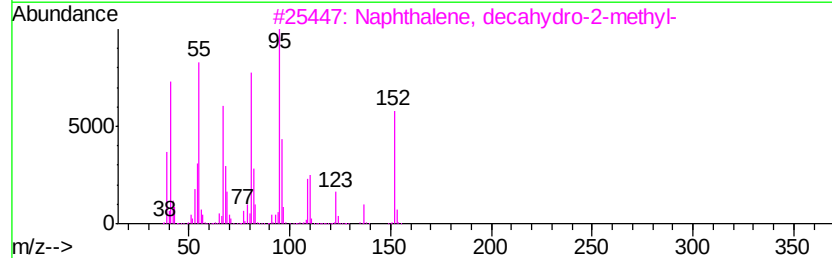
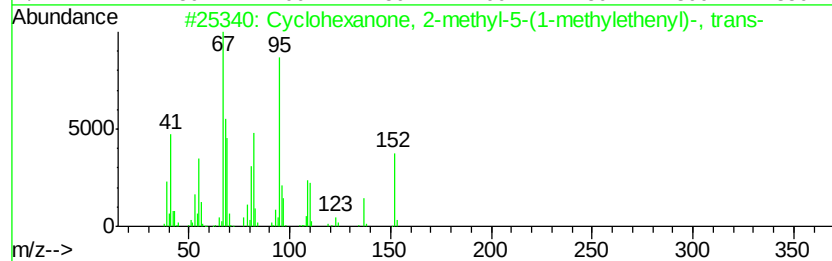
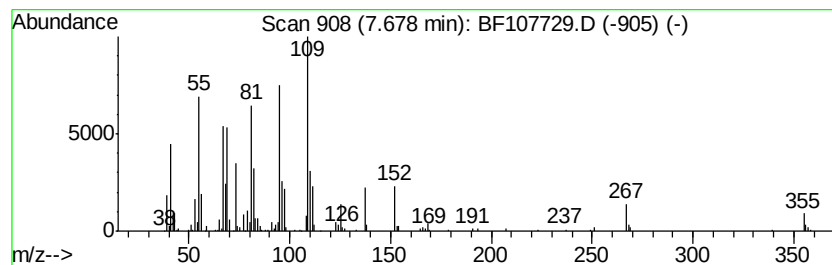
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.68 Concentration Rank 20

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 7.68 | 29.88 ng | 659372 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 46   |
| 2    |    | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 46   |
| 3    |    | cis-Decalin, 2-syn-methyl-          | 152 | C11H20  | 1000155-85-6 | 46   |
| 4    |    | Cyclopropane, 1-(1-methylethyl)-... | 152 | C11H20  | 056259-17-7  | 38   |
| 5    |    | Cyclohexene, 1,2-dimethyl-          | 110 | C8H14   | 001674-10-8  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

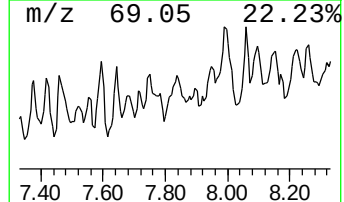
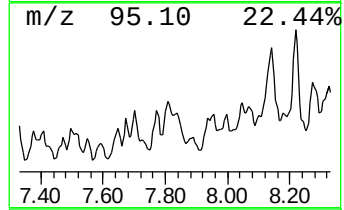
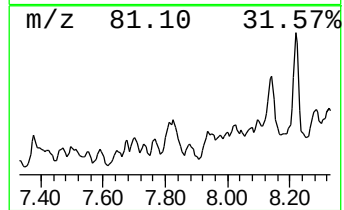
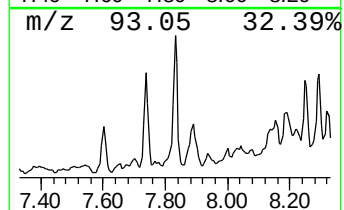
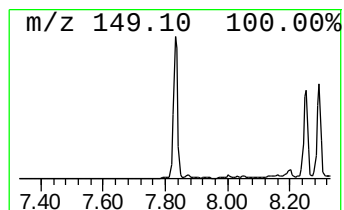
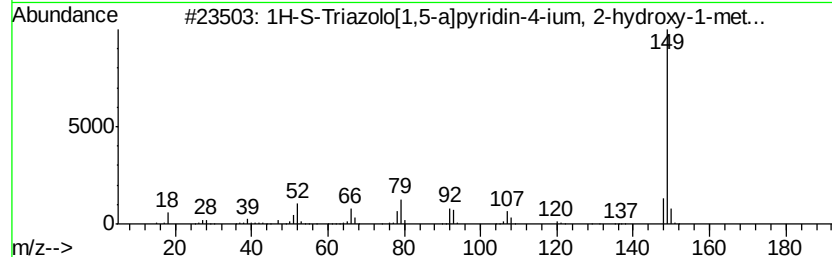
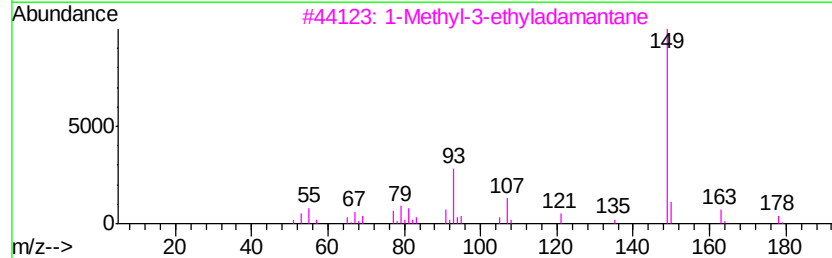
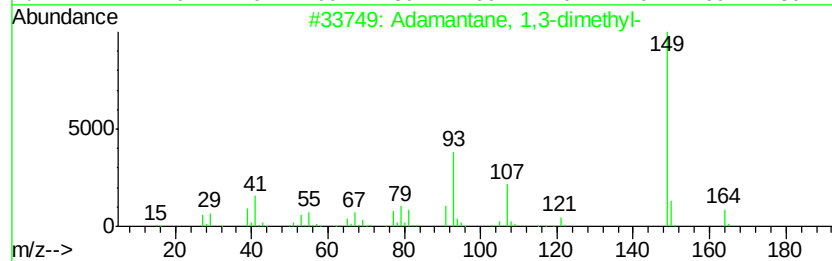
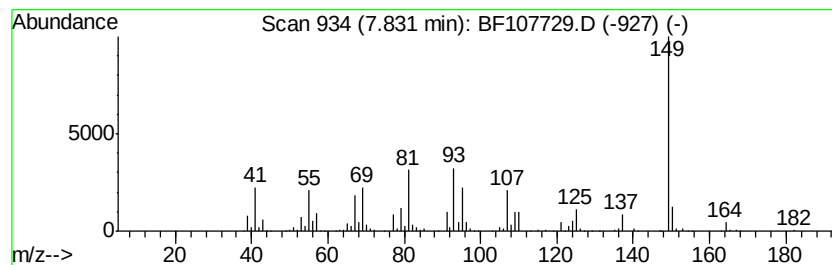
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Adamantane, 1,3-dimethyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.83 | 74.96 ng | 1654200 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Adamantane, 1,3-dimethyl-           | 164 | C12H20   | 000702-79-4 | 53   |
| 2    |    | 1-Methyl-3-ethyladamantane          | 178 | C13H22   | 001687-34-9 | 50   |
| 3    |    | 1H-S-Triazolo[1,5-a]pyridin-4-yl... | 149 | C7H7N3O  | 013980-64-8 | 38   |
| 4    |    | Tricyclo[4.3.1.1(3,8)]undecane, ... | 184 | C11H17Cl | 027011-46-7 | 37   |
| 5    |    | Benzothiazole, 2-methyl-            | 149 | C8H7NS   | 000120-75-2 | 37   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

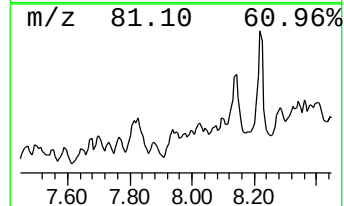
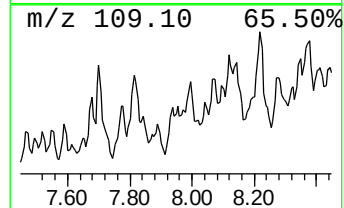
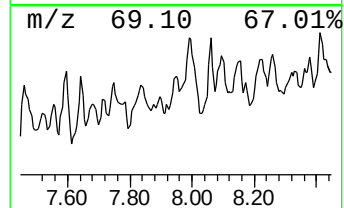
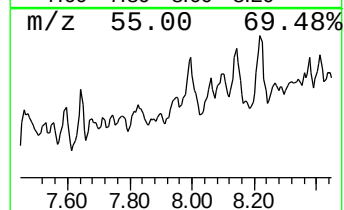
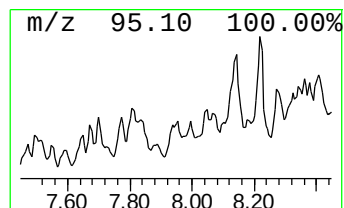
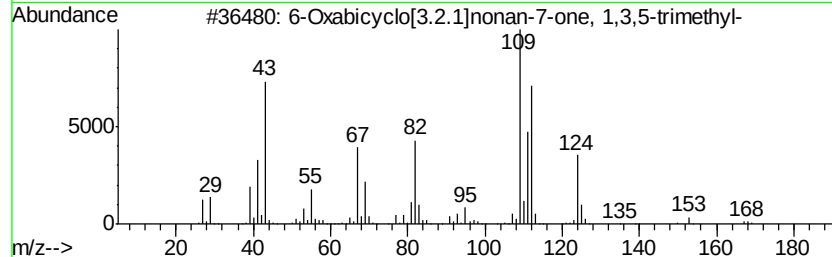
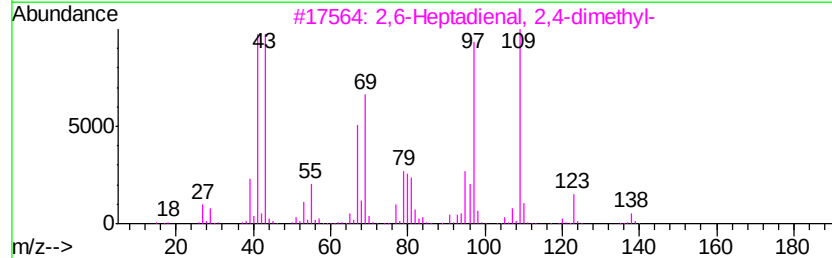
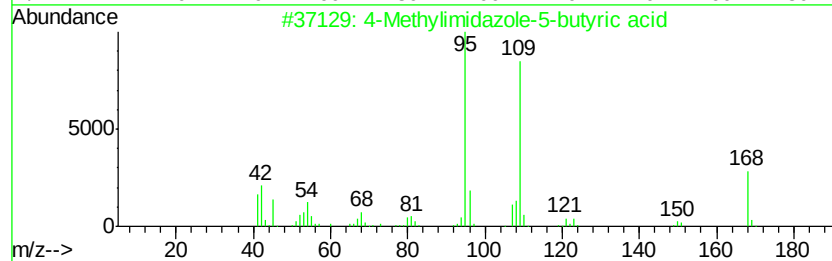
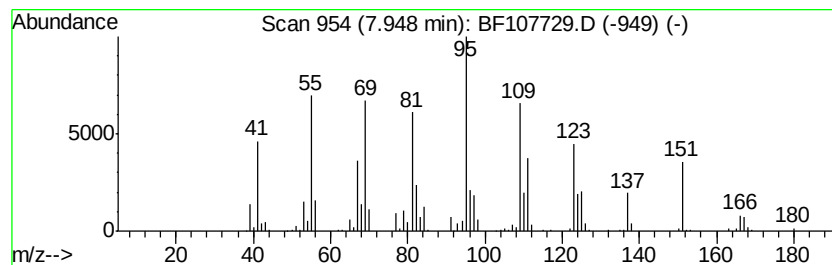
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown7.95 Concentration Rank 15

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 7.95 | 40.39 ng | 891392 | Naphthalene-d8   | 8.25 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 4-Methylimidazole-5-butyric acid    | 168 | C8H12N2O2    | 1000129-14-7 | 43      |      |      |
| 2    | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O       | 085136-08-9  | 38      |      |      |
| 3    | 6-Oxabicyclo[3.2.1]nonan-7-one, ... | 168 | C10H16O2     | 1000163-86-4 | 38      |      |      |
| 4    | Bicyclo[3.3.0]octan-3-one, 6-iod... | 264 | C9H13IO      | 1000150-13-4 | 27      |      |      |
| 5    | Metacetamol                         | 151 | C8H9NO2      | 000621-42-1  | 27      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

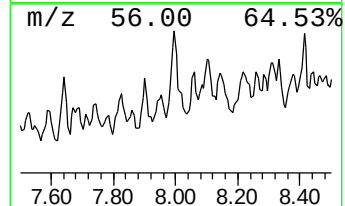
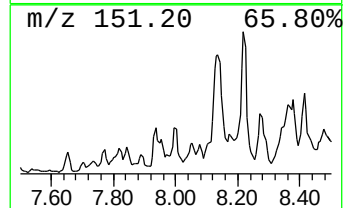
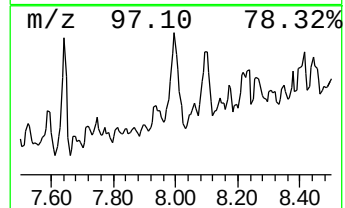
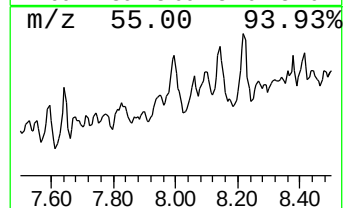
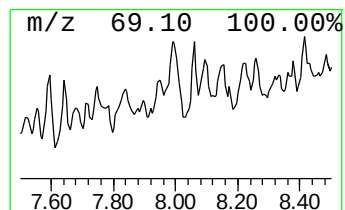
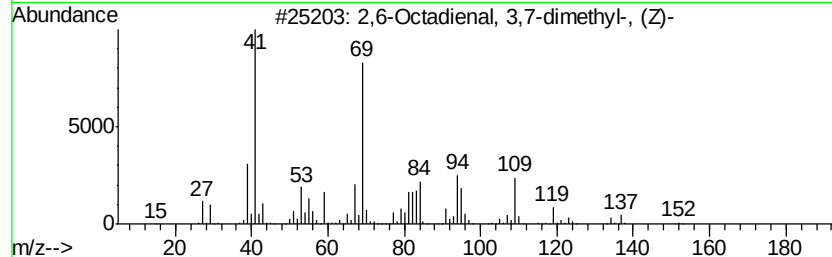
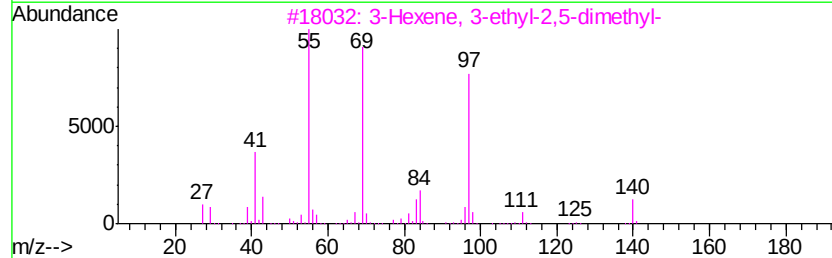
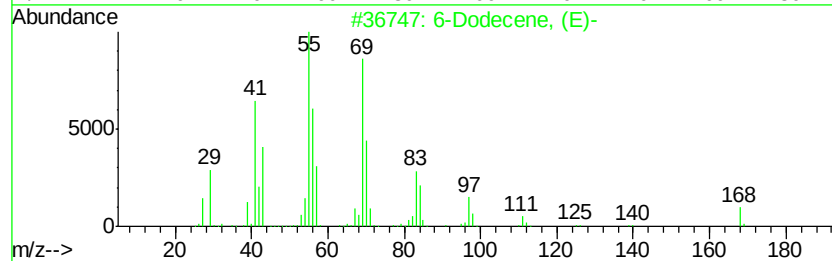
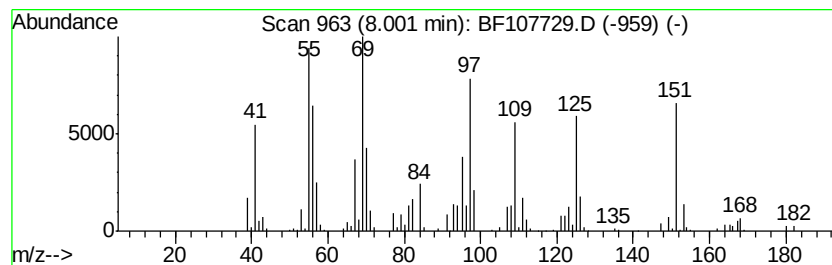
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown8.00 Concentration Rank 19

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.00 | 32.59 ng | 719327 | Napthalene-d8    | 8.25 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 6-Dodecene, (E)-                    |   |              | 168 | C12H24  | 007206-17-9 | 42   |
| 2    | 3-Hexene, 3-ethyl-2,5-dimethyl-     |   |              | 140 | C10H20  | 062338-08-3 | 27   |
| 3    | 2,6-Octadienal, 3,7-dimethyl-, (Z)- |   |              | 152 | C10H16O | 000106-26-3 | 25   |
| 4    | 2-Decene, 4-methyl-, (Z)-           |   |              | 154 | C11H22  | 074630-30-1 | 25   |
| 5    | 2,6-Heptadienal, 2,4-dimethyl-      |   |              | 138 | C9H14O  | 085136-08-9 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

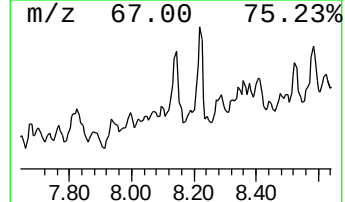
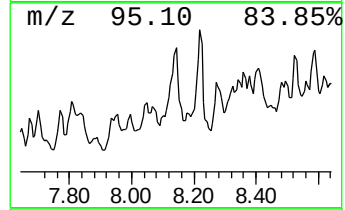
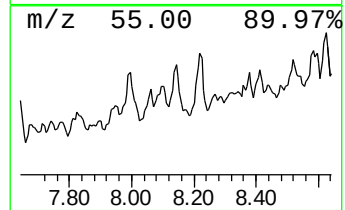
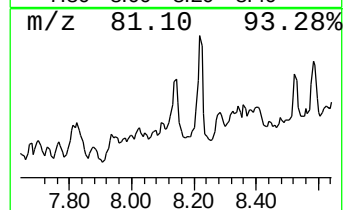
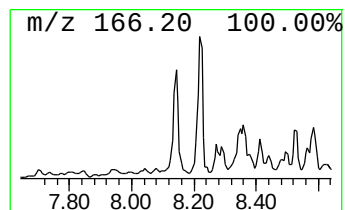
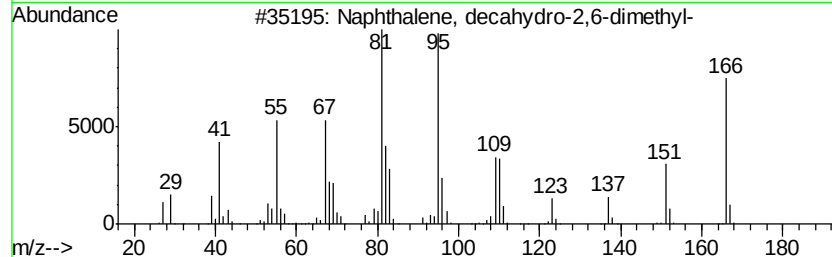
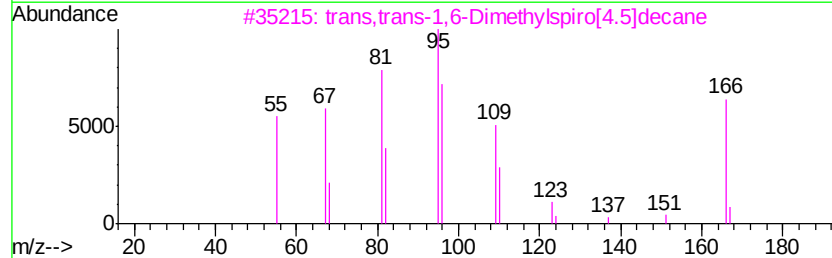
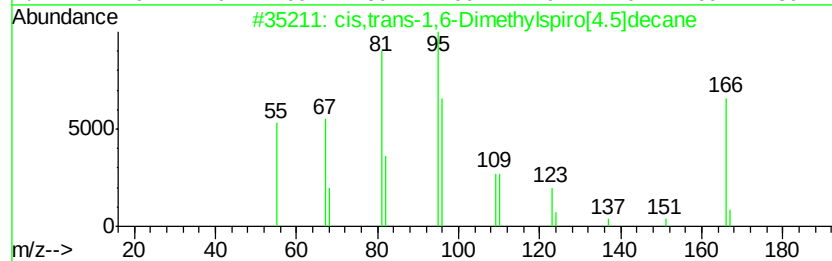
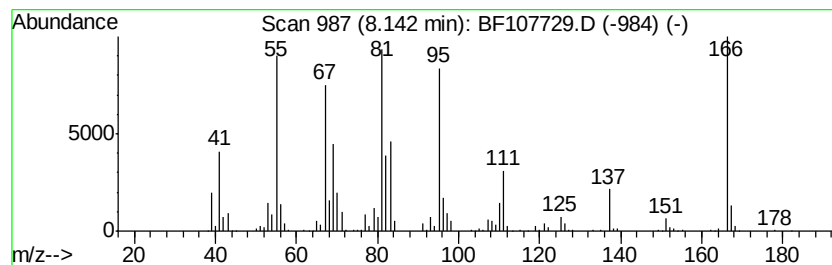
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 cis,trans-1,6-Dimethylspiro... Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.14 | 69.41 ng | 1531900 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | cis,trans-1,6-Dimethylspiro[4.5]... | 166 | C12H22  | 1000111-72-3 | 81   |
| 2    |    | trans,trans-1,6-Dimethylspiro[4.... | 166 | C12H22  | 1000111-72-1 | 81   |
| 3    |    | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 80   |
| 4    |    | trans,trans-1,7-Dimethylspiro[4.... | 166 | C12H22  | 1000111-72-6 | 64   |
| 5    |    | trans,cis-1,7-Dimethylspiro[4.5]... | 166 | C12H22  | 1000111-72-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

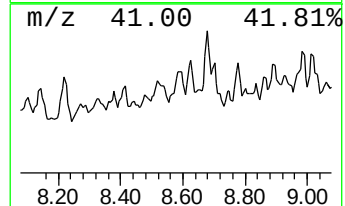
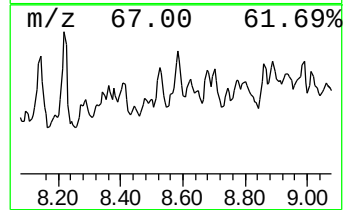
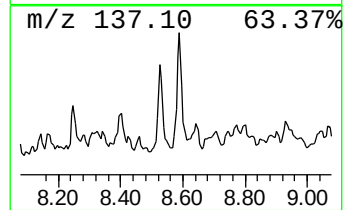
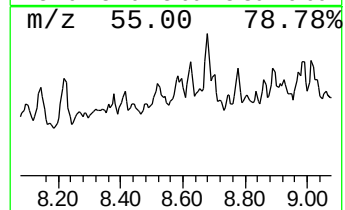
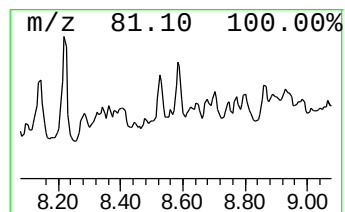
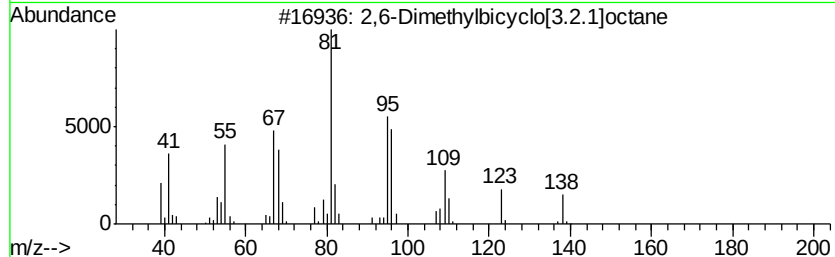
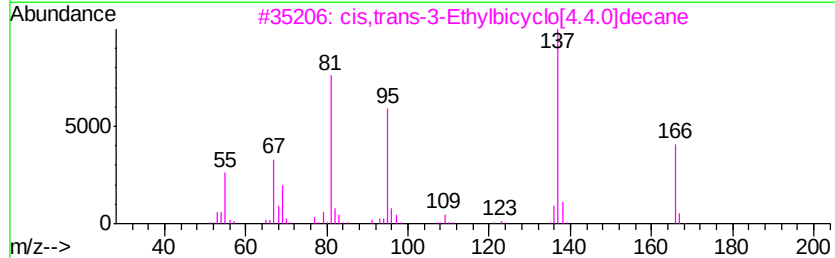
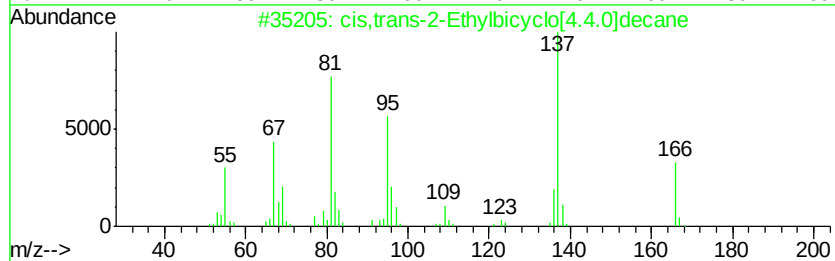
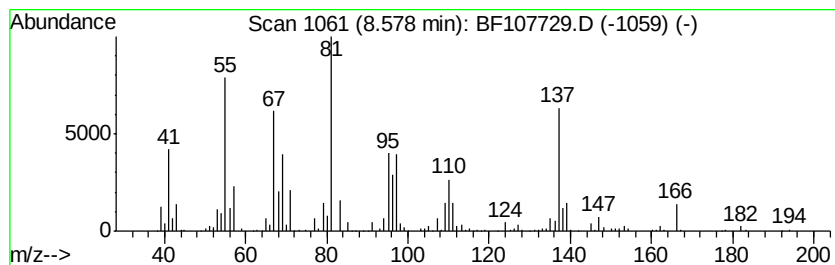
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 cis,trans-2-Ethylbicyclo[4.4.0]d... Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.58 | 54.30 ng | 1198390 | Napthalene-d8    | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | cis,trans-2-Ethylbicyclo[4.4.0]d... | 166 | C12H22  | 066660-38-6  | 91   |
| 2    |    | cis,trans-3-Ethylbicyclo[4.4.0]d... | 166 | C12H22  | 066660-41-1  | 87   |
| 3    |    | 2,6-Dimethylbicyclo[3.2.1]octane    | 138 | C10H18  | 1000215-28-2 | 47   |
| 4    |    | Bicyclo[3.1.0]hexan-2-one, 5-(1-... | 138 | C9H14O  | 000513-20-2  | 46   |
| 5    |    | Cyclohexene,1-hexyl-                | 166 | C12H22  | 003964-66-7  | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

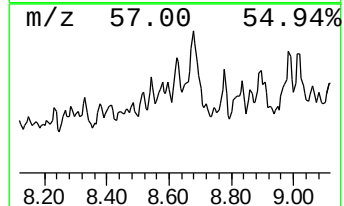
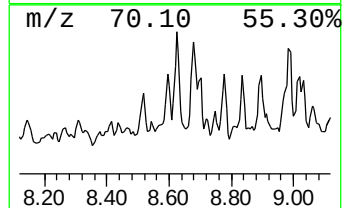
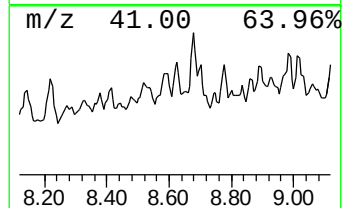
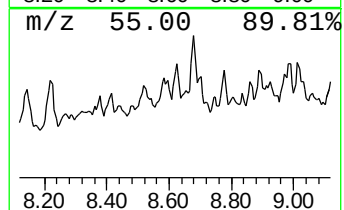
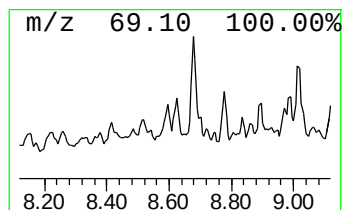
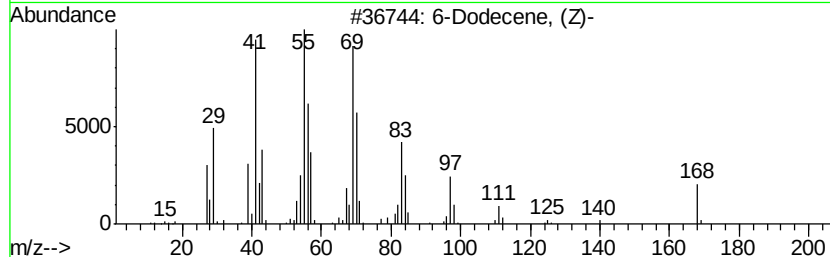
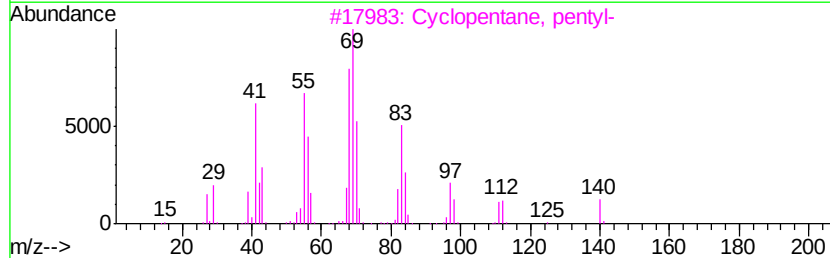
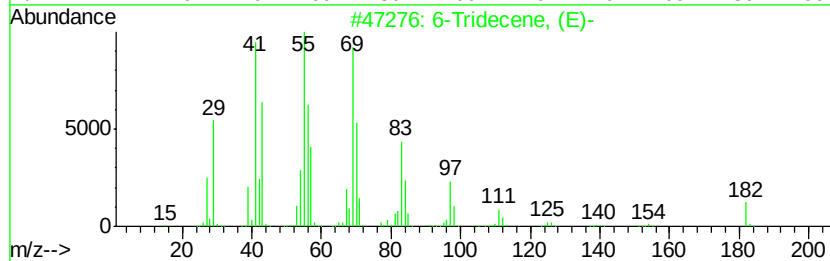
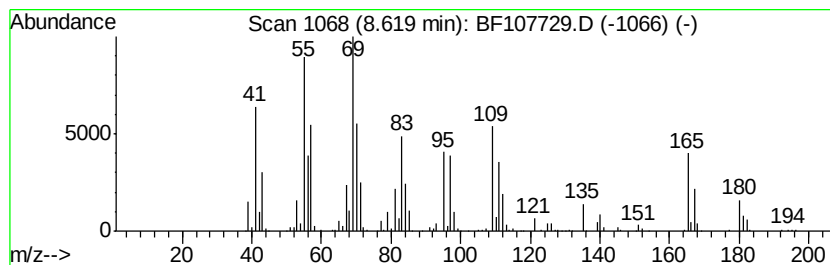
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown8.62 Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.62 | 51.14 ng | 1128650 | Napthalene-d8    | 8.25 |

| Hit# | of                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------|--------------|-----|---------|-------------|------|
| 1    | 6-Tridecene, (E)-     |              | 182 | C13H26  | 006434-76-0 | 46   |
| 2    | Cyclopentane, pentyl- |              | 140 | C10H20  | 003741-00-2 | 46   |
| 3    | 6-Dodecene, (Z)-      |              | 168 | C12H24  | 007206-29-3 | 46   |
| 4    | 3-Dodecene, (E)-      |              | 168 | C12H24  | 007206-14-6 | 46   |
| 5    | 5-Undecene, 6-methyl- |              | 168 | C12H24  | 083687-45-0 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

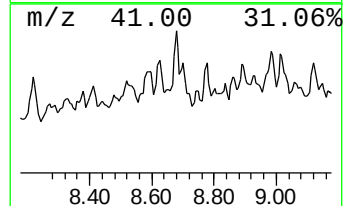
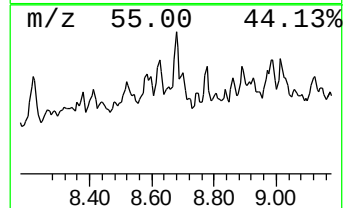
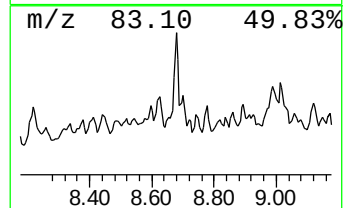
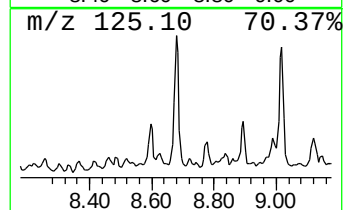
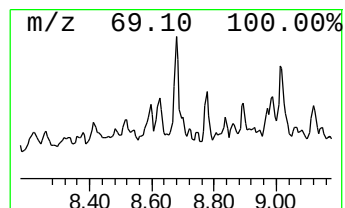
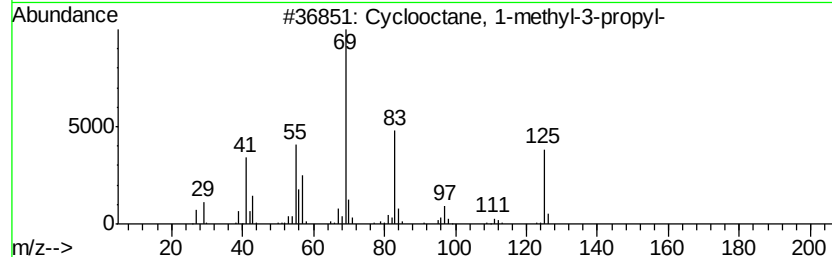
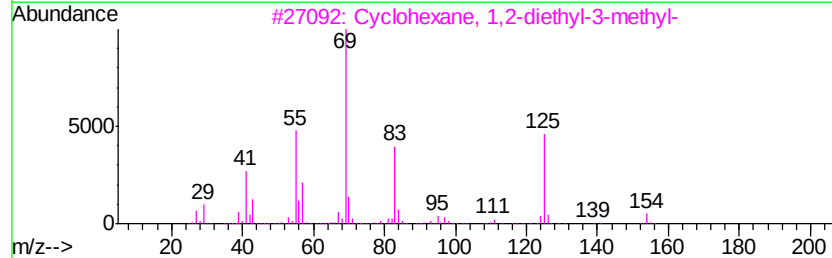
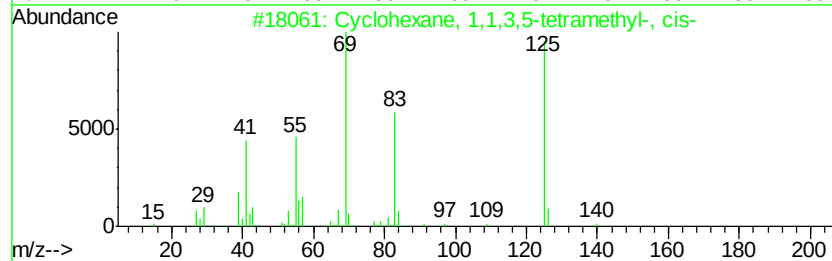
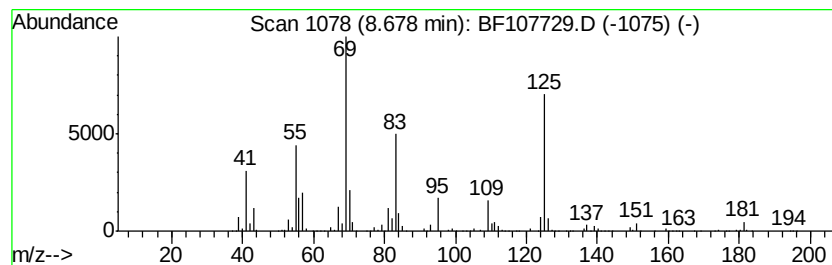
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.68 | 79.30 ng | 1750120 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20   | 050876-32-9 | 76   |
| 2    |    | Cyclohexane, 1,2-diethyl-3-methyl-  | 154 | C11H22   | 061141-80-8 | 72   |
| 3    |    | Cyclooctane, 1-methyl-3-propyl-     | 168 | C12H24   | 255885-37-1 | 59   |
| 4    |    | Zinc, bis[2-(1,1-dimethylethyl)-... | 314 | C18H34Zn | 074793-36-5 | 59   |
| 5    |    | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20   | 050876-31-8 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

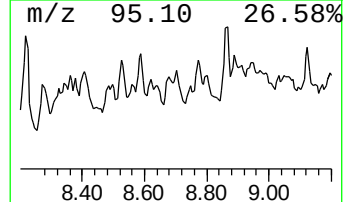
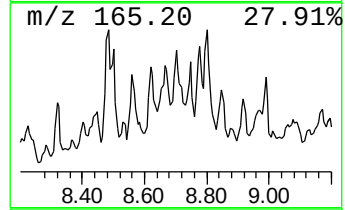
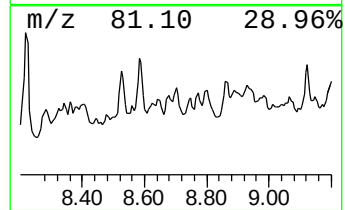
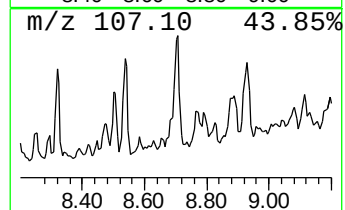
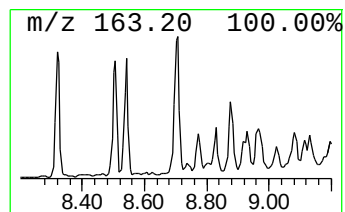
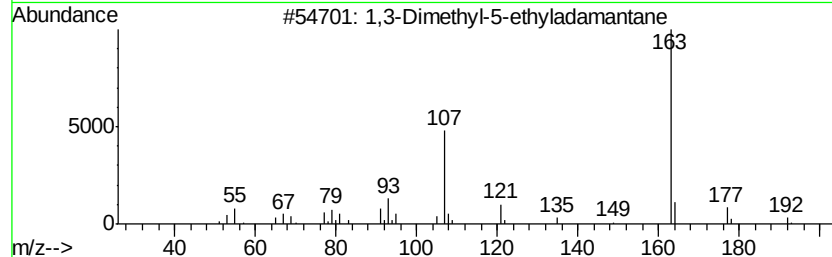
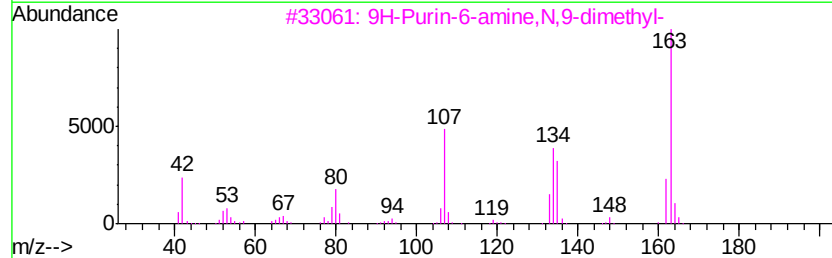
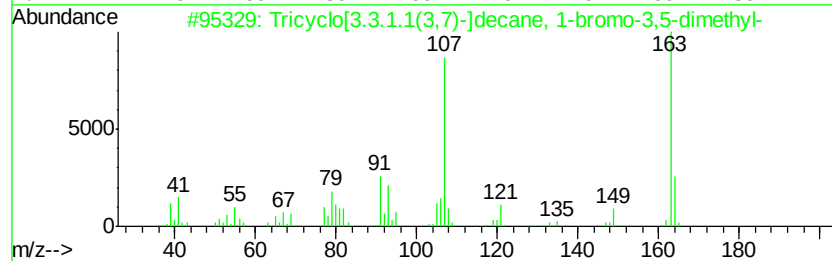
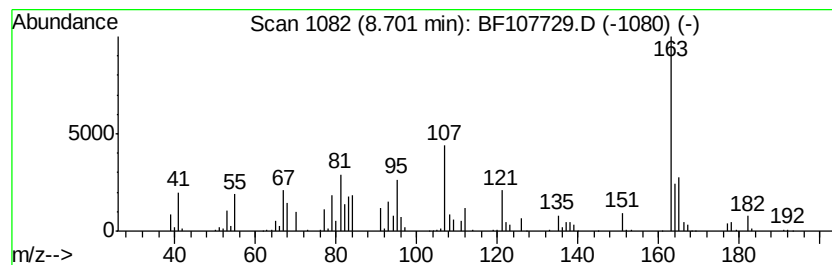
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown8.70 Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.70 | 71.54 ng | 1578840 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Tricyclo[3.3.1.1(3,7)-]decane, 1... | 242 | C12H19Br | 000941-37-7  | 38   |
| 2    |    | 9H-Purin-6-amine,N,9-dimethyl-      | 163 | C7H9N5   | 002009-52-1  | 37   |
| 3    |    | 1,3-Dimethyl-5-ethyladamantane      | 192 | C14H24   | 001687-35-0  | 37   |
| 4    |    | 1,3,4-Trimethyladamantane           | 178 | C13H22   | 1000214-98-3 | 28   |
| 5    |    | [1,2,4]Triazolo[1,5-a]pyrimidine... | 163 | C7H9N5   | 007135-02-6  | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

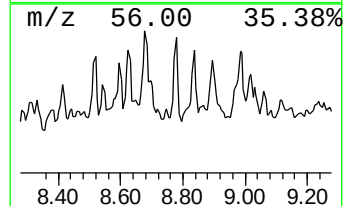
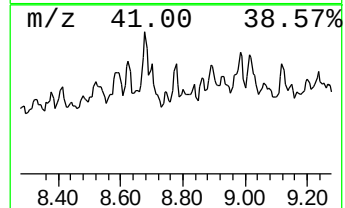
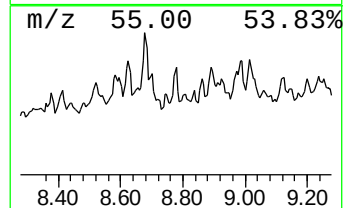
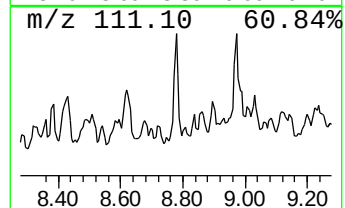
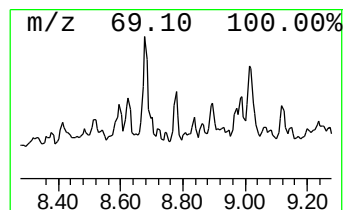
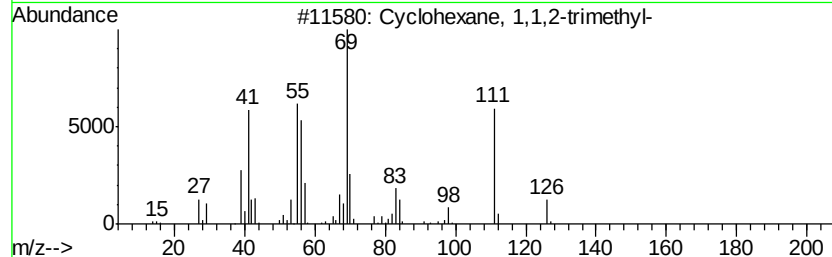
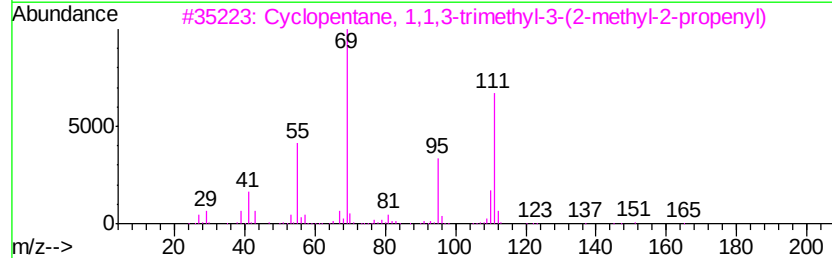
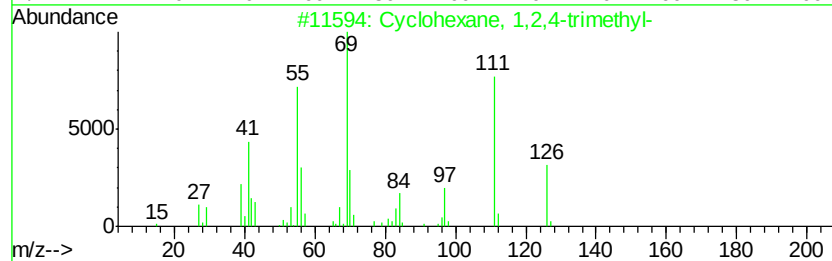
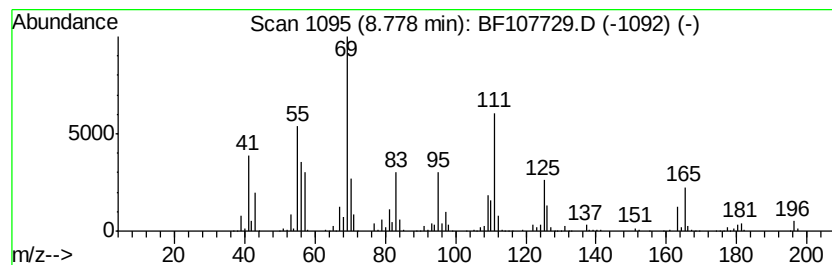
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 7

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.78 | 56.00 ng | 1235900 | Napthalene-d8    | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Cyclohexane, 1,2,4-trimethyl-       | 126 | C9H18   | 002234-75-5  | 55   |
| 2    |    | Cyclopentane, 1,1,3-trimethyl-3-... | 166 | C12H22  | 074421-09-3  | 50   |
| 3    |    | Cyclohexane, 1,1,2-trimethyl-       | 126 | C9H18   | 007094-26-0  | 49   |
| 4    |    | Cyclohexane, 1-ethyl-1,4-dimethy... | 140 | C10H20  | 062238-30-6  | 47   |
| 5    |    | 2,3,4-Trimethyl-hex-3-enal          | 140 | C9H16O  | 1000193-72-9 | 47   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

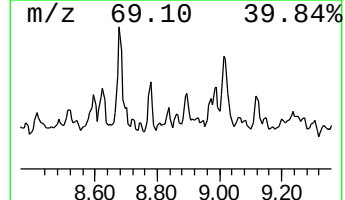
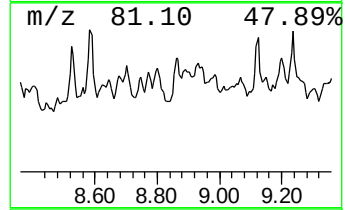
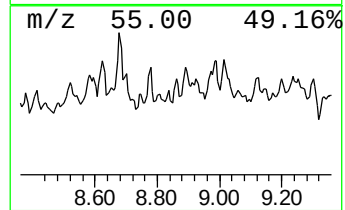
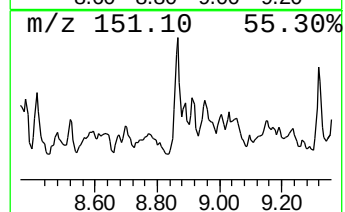
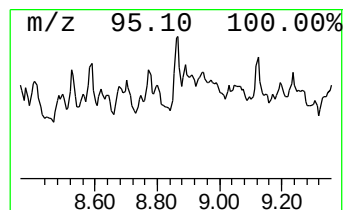
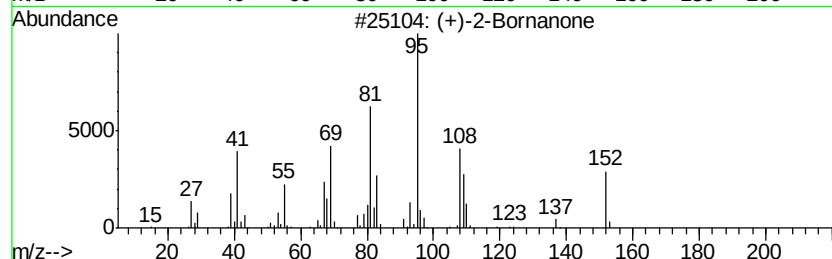
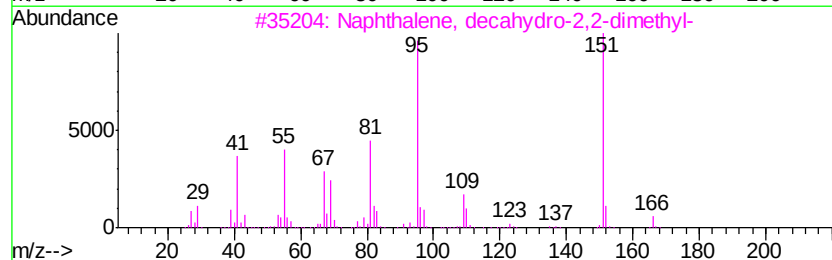
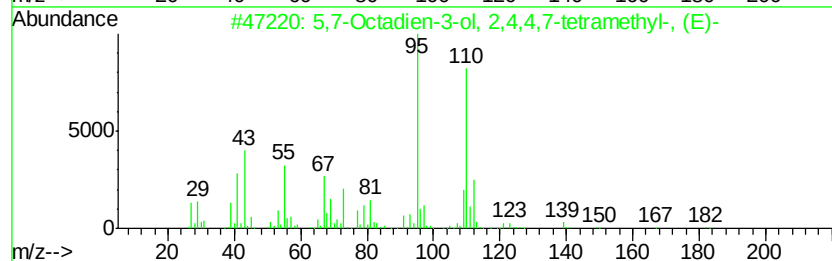
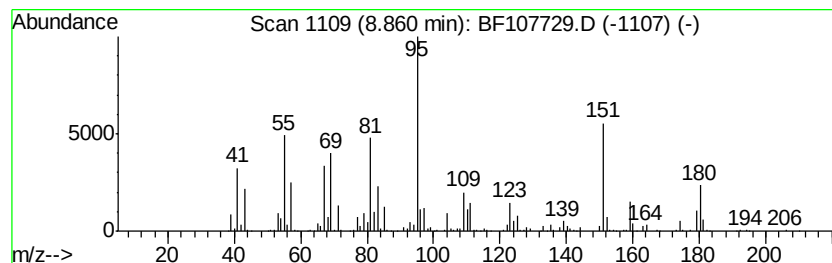
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 5,7-Octadien-3-ol, 2,4,4,7-... Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.86 | 52.33 ng | 1154880 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 5,7-Octadien-3-ol, 2,4,4,7-tetra... | 182 | C12H22O | 077142-78-0 | 50   |
| 2    |    | Naphthalene, decahydro-2,2-dimet... | 166 | C12H22  | 031124-85-3 | 50   |
| 3    |    | (+)-2-Bornanone                     | 152 | C10H16O | 000464-49-3 | 45   |
| 4    |    | Camphor                             | 152 | C10H16O | 000076-22-2 | 45   |
| 5    |    | 1-(1-Propynyl)cyclohexanol          | 138 | C9H14O  | 000697-37-0 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

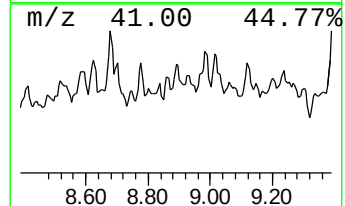
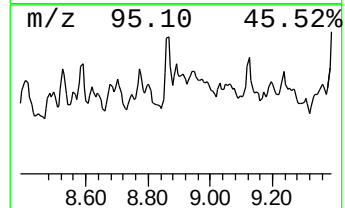
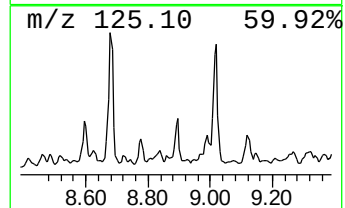
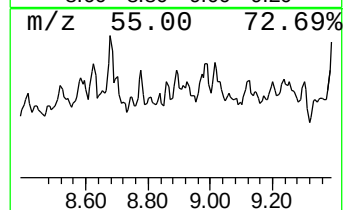
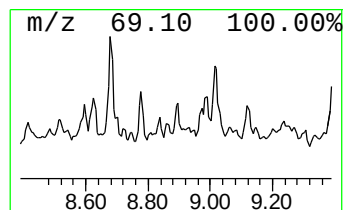
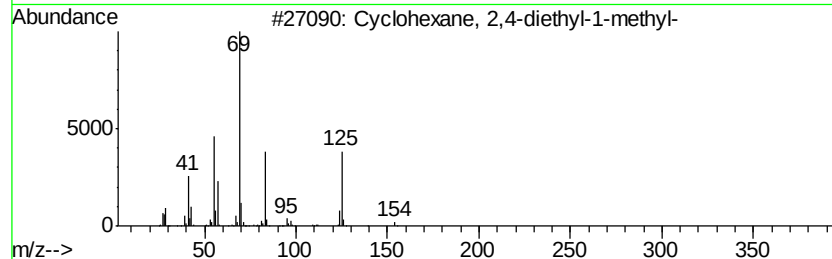
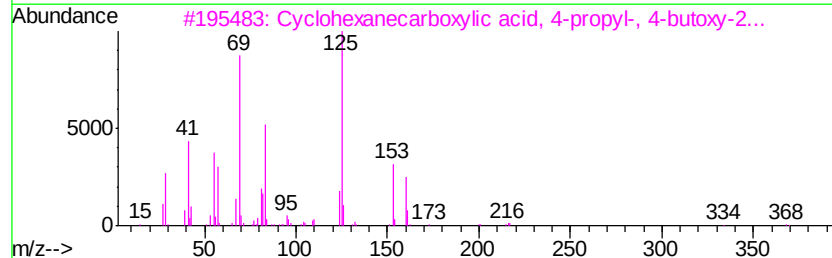
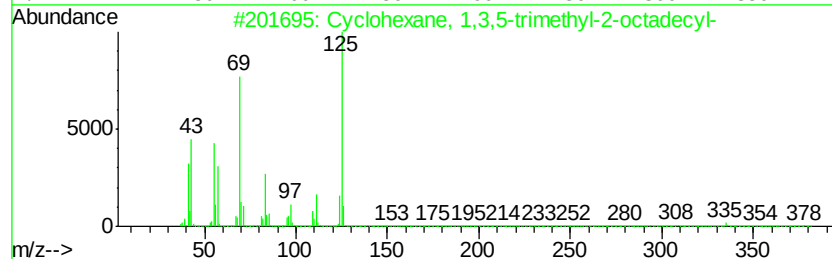
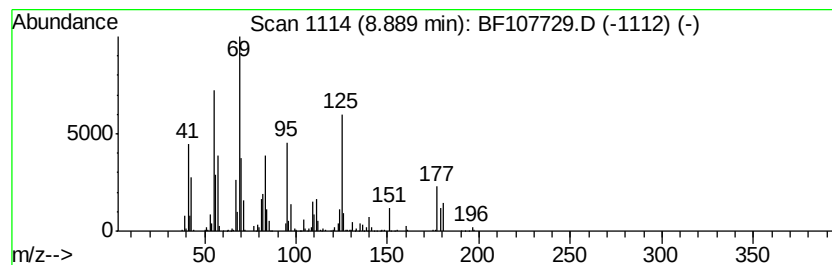
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.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 15 Cyclohexane, 1,3,5-trimethy... Concentration Rank 17

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------------|------------------|----------------|
| 8.89    | 38.19 ng | 842742                              | Naphthalene-d8   | 8.25           |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |          | Cyclohexane, 1,3,5-trimethyl-2-o... | 378 C27H54       | 055282-34-3 50 |
| 2       |          | Cyclohexanecarboxylic acid, 4-pr... | 368 C22H28N2O3   | 075941-67-2 50 |
| 3       |          | Cyclohexane, 2,4-diethyl-1-methyl-  | 154 C11H22       | 061142-70-9 47 |
| 4       |          | Cyclooctane, 1-methyl-3-propyl-     | 168 C12H24       | 255885-37-1 38 |
| 5       |          | Cyclohexane, 1,1,3,5-tetramethyl... | 140 C10H20       | 050876-31-8 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

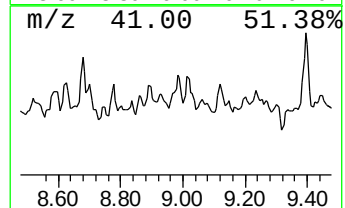
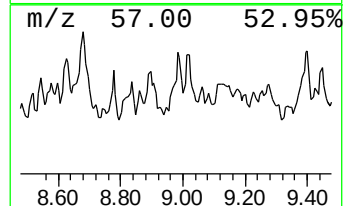
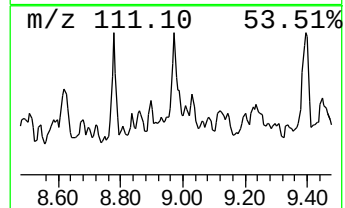
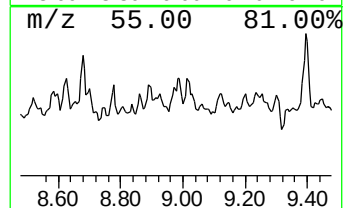
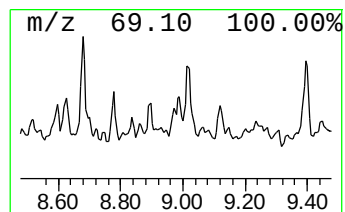
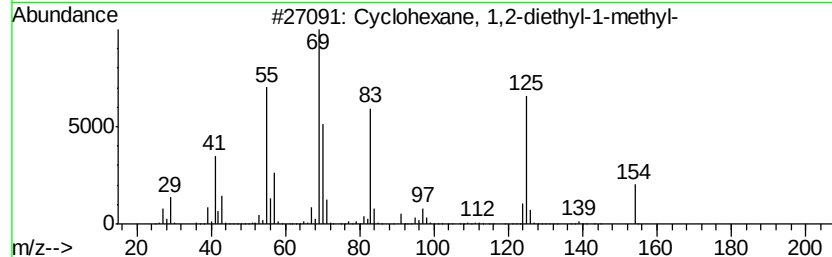
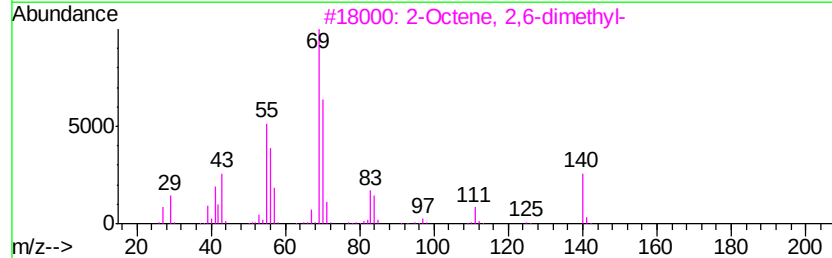
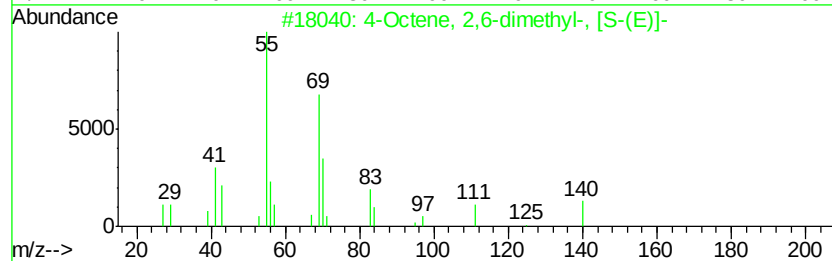
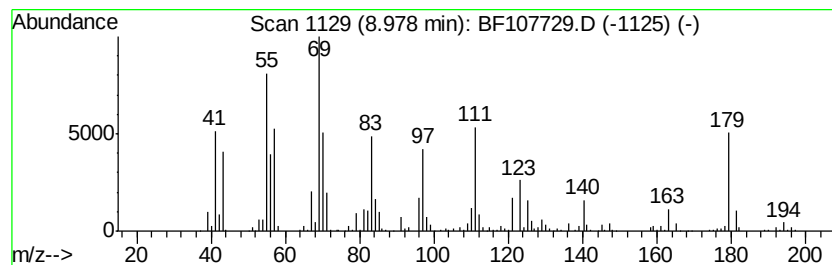
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown8.98 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.98 | 83.00 ng | 1831670 | Napthalene-d8    | 8.25 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 4-Octene, 2,6-dimethyl-, [S-(E)]-  | 140 | C10H20  | 062960-76-3 | 49   |
| 2    |    | 2-Octene, 2,6-dimethyl-            | 140 | C10H20  | 004057-42-5 | 46   |
| 3    |    | Cyclohexane, 1,2-diethyl-1-methyl- | 154 | C11H22  | 061141-79-5 | 43   |
| 4    |    | 3-Octene, 2,6-dimethyl-            | 140 | C10H20  | 006874-28-8 | 43   |
| 5    |    | 2-Octene, 4-ethyl-                 | 140 | C10H20  | 053966-52-2 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

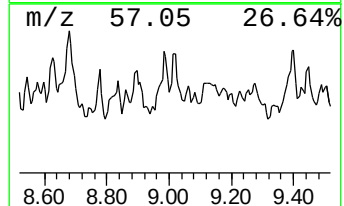
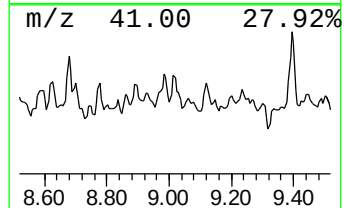
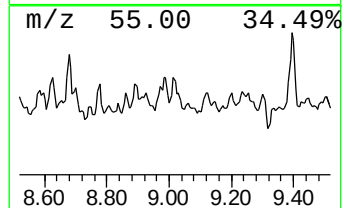
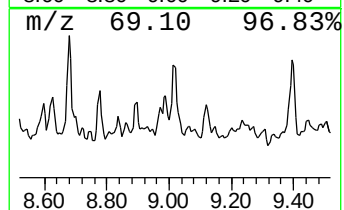
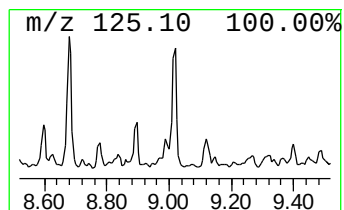
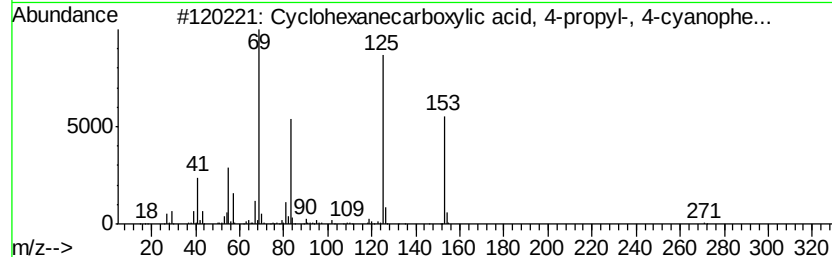
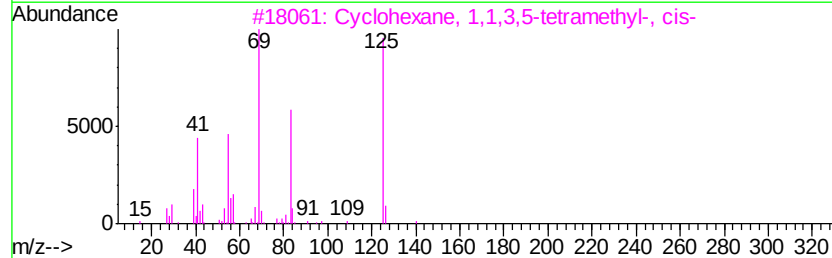
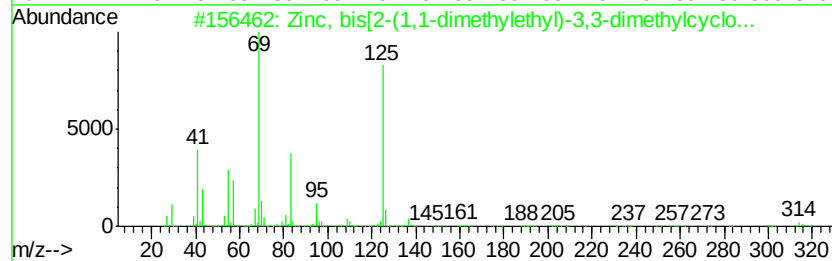
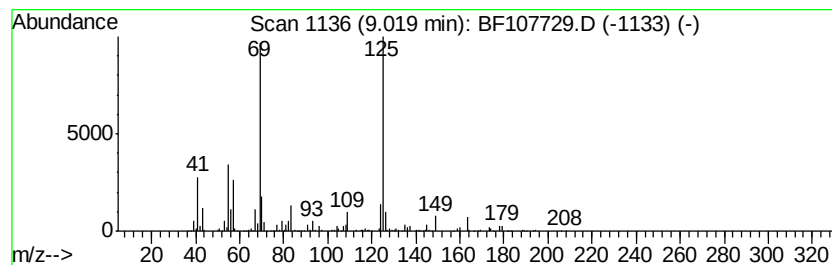
Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 9

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------------|------------------|----------------|
| 9.02    | 52.70 ng | 1163020                             | Napthalene-d8    | 8.25           |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |          | Zinc, bis[2-(1,1-dimethylethyl)-... | 314 C18H34Zn     | 074793-36-5 56 |
| 2       |          | Cyclohexane, 1,1,3,5-tetramethyl... | 140 C10H20       | 050876-32-9 50 |
| 3       |          | Cyclohexanecarboxylic acid, 4-pr... | 271 C17H21NO2    | 062439-33-2 50 |
| 4       |          | Cyclohexane, 1,1,3,5-tetramethyl... | 140 C10H20       | 050876-31-8 50 |
| 5       |          | Cyclohexanecarboxylic acid, 4-pr... | 368 C22H28N2O3   | 075941-67-2 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

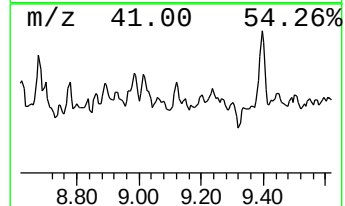
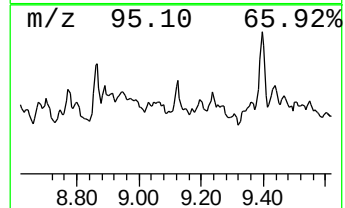
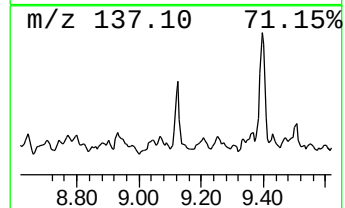
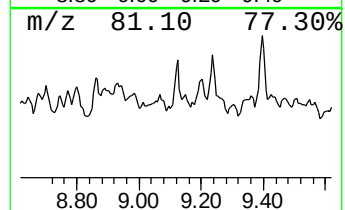
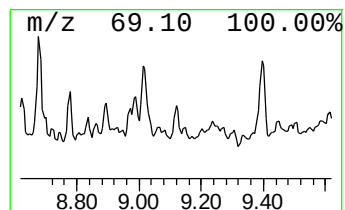
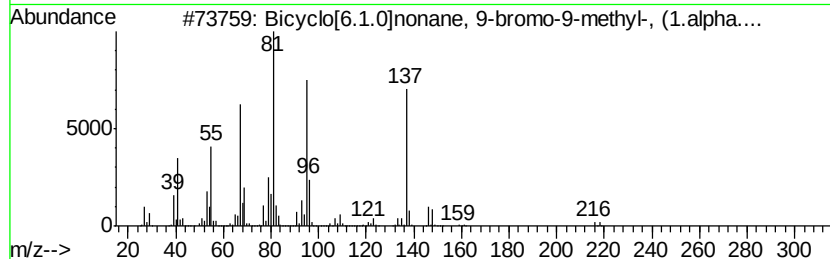
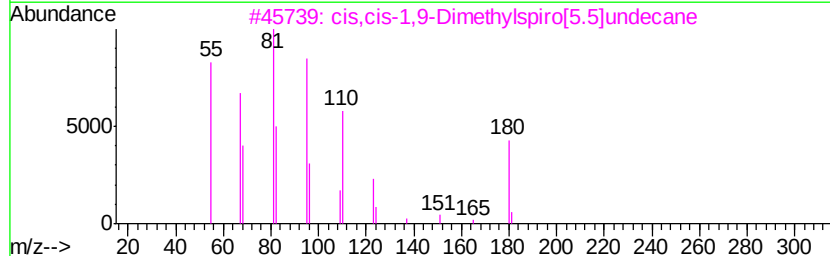
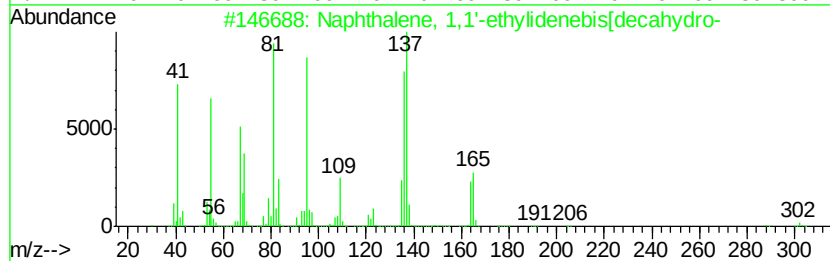
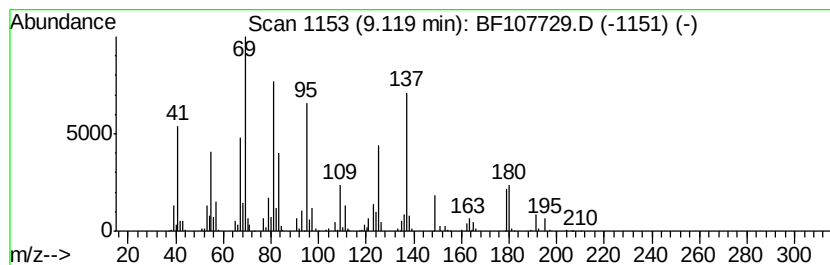
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown9.12 Concentration Rank 14

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.12 | 40.95 ng | 903789 | Naphthalene-d8   | 8.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Naphthalene, 1,1'-ethylidenebis[... | 302 | C22H38    | 054934-70-2  | 43   |
| 2    |    | cis,cis-1,9-Dimethylspiro[5.5]un... | 180 | C13H24    | 1000111-73-4 | 38   |
| 3    |    | Bicyclo[6.1.0]nonane, 9-bromo-9-... | 216 | C10H17Br  | 059474-03-2  | 35   |
| 4    |    | Cyclodecene, 3-bromo-               | 216 | C10H17Br  | 056325-56-5  | 27   |
| 5    |    | Cyclohexanecarboxylic acid, 4-pr... | 271 | C17H21NO2 | 062439-33-2  | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

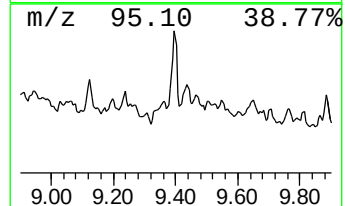
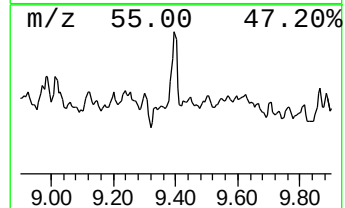
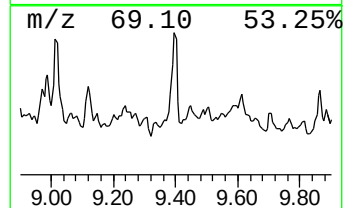
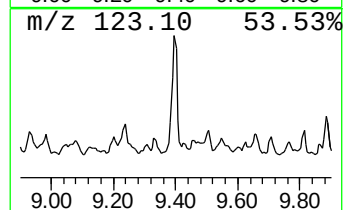
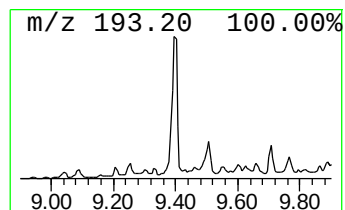
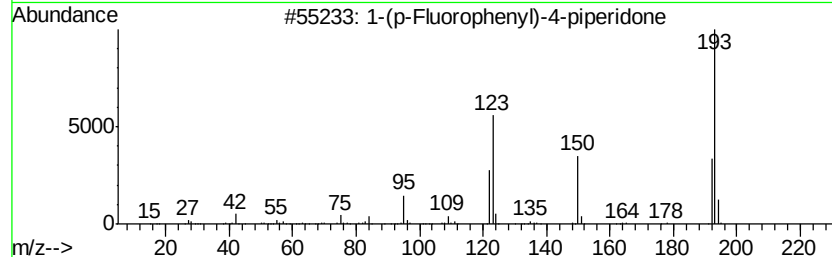
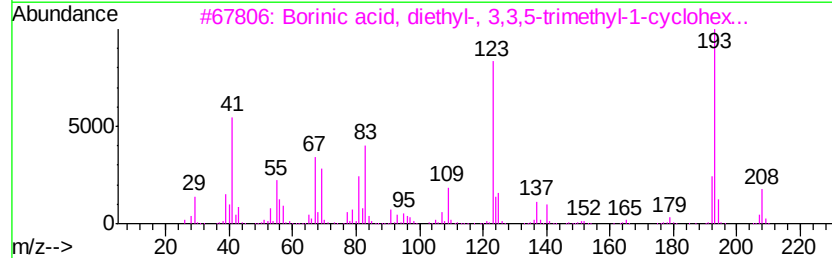
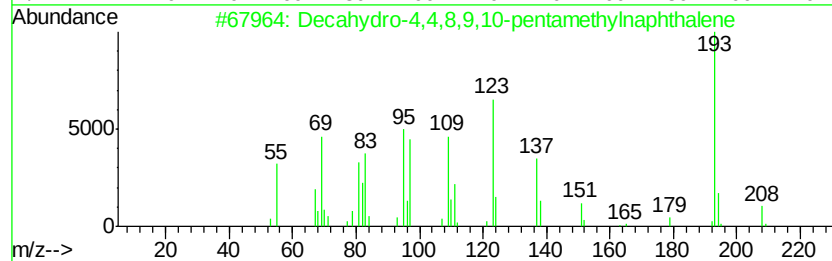
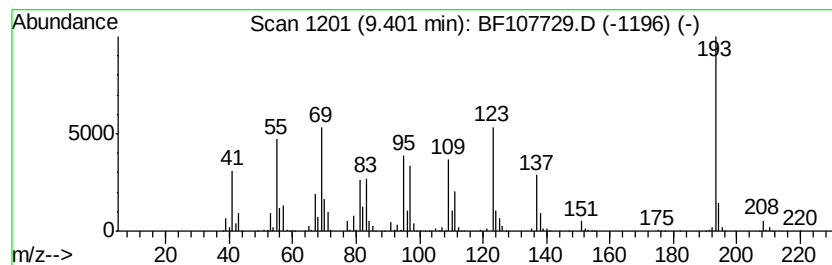
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 unknown9.40 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD | R.T.  |
|------|-----------|---------|------------------|-------|
| 9.40 | 144.77 ng | 3908850 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28    | 080655-44-3  | 46   |
| 2    |    | Borinic acid, diethyl-, 3,3,5-tr... | 208 | C13H25BO  | 057387-76-5  | 38   |
| 3    |    | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FNO | 1000238-56-7 | 38   |
| 4    |    | 1,5-Hexadiene, 2,5-dipropyl-        | 166 | C12H22    | 1000158-33-4 | 16   |
| 5    |    | 9-Phenanthrenamine                  | 193 | C14H11N   | 000947-73-9  | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
Data File : BF107729.D  
Acq On : 27 Jul 2018 5:57  
Operator : JU/SJ  
Sample : J4142-07  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

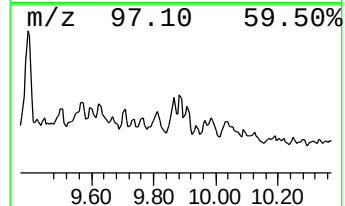
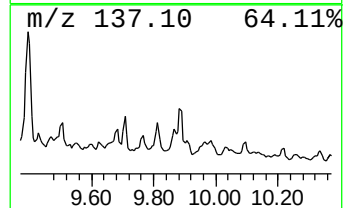
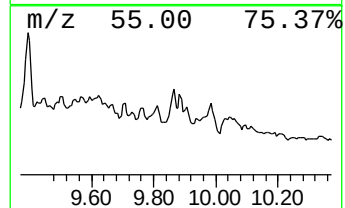
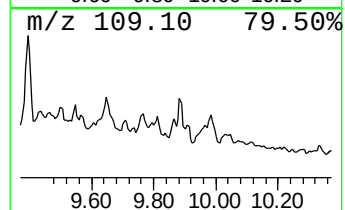
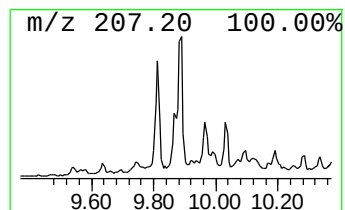
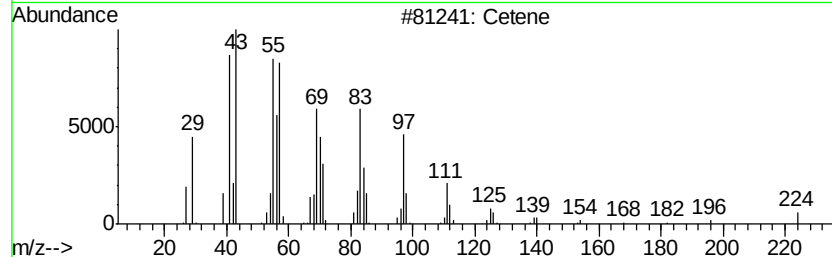
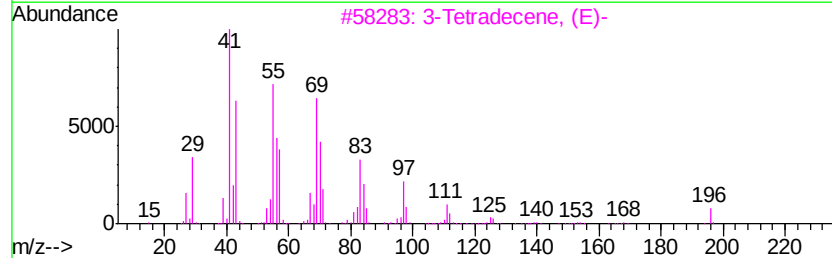
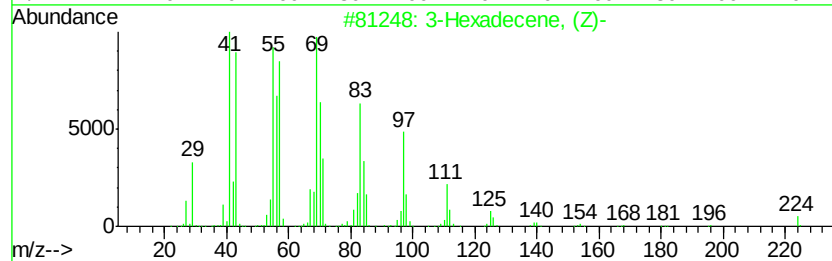
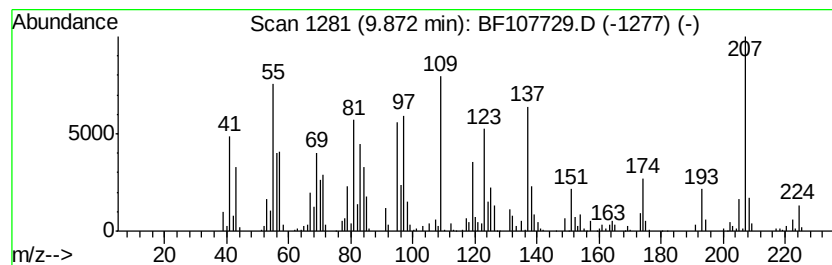
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 3-Hexadecene, (Z)- Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.87 | 34.78 ng | 939203 | Acenaphthene-d10 | 10.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3-Hexadecene, (Z)-                  | 224 | C16H32  | 034303-81-6 | 70   |
| 2    |    | 3-Tetradecene, (E)-                 | 196 | C14H28  | 041446-68-8 | 64   |
| 3    |    | Cetene                              | 224 | C16H32  | 000629-73-2 | 50   |
| 4    |    | 2,10-Dodecadien-1-ol, 3,7,11-tri... | 224 | C15H28O | 020576-59-4 | 41   |
| 5    |    | 5-Octadecene, (E)-                  | 252 | C18H36  | 007206-21-5 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072618\  
 Data File : BF107729.D  
 Acq On : 27 Jul 2018 5:57  
 Operator : JU/SJ  
 Sample : J4142-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-12

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072018.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 |
| unknown6.73          | 6.73 | 49.4    | ng    | 3353080  | 1                     | 6.97  | 1356830 | 20.0 |
| unknown7.64          | 7.64 | 43.9    | ng    | 968998   | 2                     | 8.25  | 441378  | 20.0 |
| unknown7.68          | 7.68 | 29.9    | ng    | 659372   | 2                     | 8.25  | 441378  | 20.0 |
| Adamantane, 1,3-d... | 7.83 | 75.0    | ng    | 1654200  | 2                     | 8.25  | 441378  | 20.0 |
| unknown7.95          | 7.95 | 40.4    | ng    | 891392   | 2                     | 8.25  | 441378  | 20.0 |
| unknown8.00          | 8.00 | 32.6    | ng    | 719327   | 2                     | 8.25  | 441378  | 20.0 |
| cis,trans-1,6-Dim... | 8.14 | 69.4    | ng    | 1531900  | 2                     | 8.25  | 441378  | 20.0 |
| cis,trans-2-Ethyl... | 8.58 | 54.3    | ng    | 1198390  | 2                     | 8.25  | 441378  | 20.0 |
| unknown8.62          | 8.62 | 51.1    | ng    | 1128650  | 2                     | 8.25  | 441378  | 20.0 |
| Cyclohexane, 1,1,... | 8.68 | 79.3    | ng    | 1750120  | 2                     | 8.25  | 441378  | 20.0 |
| unknown8.70          | 8.70 | 71.5    | ng    | 1578840  | 2                     | 8.25  | 441378  | 20.0 |
| Cyclohexane, 1,2,... | 8.78 | 56.0    | ng    | 1235900  | 2                     | 8.25  | 441378  | 20.0 |
| 5,7-Octadien-3-ol... | 8.86 | 52.3    | ng    | 1154880  | 2                     | 8.25  | 441378  | 20.0 |
| Cyclohexane, 1,3,... | 8.89 | 38.2    | ng    | 842742   | 2                     | 8.25  | 441378  | 20.0 |
| unknown8.98          | 8.98 | 83.0    | ng    | 1831670  | 2                     | 8.25  | 441378  | 20.0 |
| Zinc, bis[2-(1,1-... | 9.02 | 52.7    | ng    | 1163020  | 2                     | 8.25  | 441378  | 20.0 |
| unknown9.12          | 9.12 | 41.0    | ng    | 903789   | 2                     | 8.25  | 441378  | 20.0 |
| unknown9.40          | 9.40 | 144.8   | ng    | 3908850  | 3                     | 10.01 | 540011  | 20.0 |
| 3-Hexadecene, (Z)-   | 9.87 | 34.8    | ng    | 939203   | 3                     | 10.01 | 540011  | 20.0 |