

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092718\  
 Data File : BF109382.D  
 Acq On : 27 Sep 2018 13:09  
 Operator : JU/SJ  
 Sample : J5081-19  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-S

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-BF092218.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         | 2.734       | 96            | 110         | 116          | rVB3     | 47083          | 123561        | 5.39%           | 0.324%        |
| 2         | 2.869       | 129           | 133         | 139          | rVB2     | 15990          | 26722         | 1.17%           | 0.070%        |
| 3         | 3.093       | 155           | 171         | 180          | rVB3     | 29763          | 92303         | 4.03%           | 0.242%        |
| 4         | 3.281       | 189           | 203         | 213          | rVB3     | 44024          | 117060        | 5.11%           | 0.307%        |
| 5         | 3.534       | 236           | 246         | 258          | rVB      | 63588          | 172916        | 7.54%           | 0.454%        |
| 6         | 3.663       | 258           | 268         | 274          | rBV      | 53614          | 100996        | 4.41%           | 0.265%        |
| 7         | 3.740       | 274           | 281         | 287          | rBV      | 54523          | 103935        | 4.53%           | 0.273%        |
| 8         | 3.840       | 292           | 298         | 299          | rVV3     | 19289          | 28756         | 1.25%           | 0.075%        |
| 9         | 3.869       | 299           | 303         | 310          | rVB2     | 65218          | 116491        | 5.08%           | 0.306%        |
| 10        | 3.975       | 310           | 321         | 325          | rBV      | 1233424        | 2092077       | 91.26%          | 5.490%        |
| 11        | 4.022       | 325           | 329         | 335          | rVB      | 617210         | 818140        | 35.69%          | 2.147%        |
| 12        | 4.122       | 337           | 346         | 351          | rBV3     | 279098         | 472086        | 20.59%          | 1.239%        |
| 13        | 4.187       | 351           | 357         | 362          | rVB      | 232938         | 376571        | 16.43%          | 0.988%        |
| 14        | 4.245       | 362           | 367         | 373          | rBV3     | 33068          | 70984         | 3.10%           | 0.186%        |
| 15        | 4.322       | 373           | 380         | 388          | rVB      | 944300         | 1367333       | 59.64%          | 3.588%        |
| 16        | 4.428       | 388           | 398         | 403          | rVB      | 474181         | 609816        | 26.60%          | 1.600%        |
| 17        | 4.498       | 403           | 410         | 412          | rBV      | 62357          | 83968         | 3.66%           | 0.220%        |
| 18        | 4.528       | 412           | 415         | 420          | rVB2     | 68147          | 96087         | 4.19%           | 0.252%        |
| 19        | 4.592       | 420           | 426         | 431          | rBV2     | 218269         | 296659        | 12.94%          | 0.778%        |
| 20        | 4.645       | 431           | 435         | 438          | rBV      | 164970         | 198857        | 8.67%           | 0.522%        |
| 21        | 4.675       | 438           | 440         | 444          | rVB3     | 57518          | 69884         | 3.05%           | 0.183%        |
| 22        | 4.757       | 449           | 454         | 457          | rVV      | 796922         | 976099        | 42.58%          | 2.561%        |
| 23        | 4.792       | 457           | 460         | 463          | rVV      | 213285         | 243418        | 10.62%          | 0.639%        |
| 24        | 4.845       | 463           | 469         | 475          | rVV3     | 1516458        | 2292511       | 100.00%         | 6.016%        |
| 25        | 4.904       | 475           | 479         | 484          | rVV      | 771239         | 851165        | 37.13%          | 2.234%        |
| 26        | 4.951       | 484           | 487         | 489          | rVV      | 158720         | 213145        | 9.30%           | 0.559%        |
| 27        | 4.975       | 489           | 491         | 495          | rVV3     | 128013         | 142517        | 6.22%           | 0.374%        |
| 28        | 5.016       | 495           | 498         | 499          | rVV      | 51593          | 52691         | 2.30%           | 0.138%        |
| 29        | 5.040       | 499           | 502         | 505          | rVB      | 128824         | 128924        | 5.62%           | 0.338%        |
| 30        | 5.110       | 510           | 514         | 517          | rBV      | 684635         | 728177        | 31.76%          | 1.911%        |
| 31        | 5.139       | 517           | 519         | 523          | rVB2     | 49684          | 52835         | 2.30%           | 0.139%        |
| 32        | 5.287       | 540           | 544         | 546          | rBV2     | 166140         | 202735        | 8.84%           | 0.532%        |
| 33        | 5.316       | 546           | 549         | 552          | rVB      | 1775643        | 1595021       | 69.58%          | 4.185%        |
| 34        | 5.392       | 557           | 562         | 565          | rBV2     | 106235         | 112162        | 4.89%           | 0.294%        |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-S

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-BF092218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 5.475  | 573  | 576  | 580  | rBV2 | 152087  | 172083  | 7.51%  | 0.452% |
| 36 | 5.522  | 580  | 584  | 587  | rVB  | 251939  | 235905  | 10.29% | 0.619% |
| 37 | 5.563  | 587  | 591  | 593  | rBV  | 147448  | 156446  | 6.82%  | 0.411% |
| 38 | 5.634  | 599  | 603  | 606  | rBV  | 48151   | 42995   | 1.88%  | 0.113% |
| 39 | 5.728  | 611  | 619  | 623  | rBV2 | 169521  | 239561  | 10.45% | 0.629% |
| 40 | 5.787  | 623  | 629  | 632  | rBV4 | 67239   | 118865  | 5.18%  | 0.312% |
| 41 | 5.863  | 637  | 642  | 647  | rVB2 | 233621  | 225738  | 9.85%  | 0.592% |
| 42 | 5.916  | 647  | 651  | 656  | rBV3 | 46460   | 92313   | 4.03%  | 0.242% |
| 43 | 5.963  | 656  | 659  | 665  | rVB  | 319127  | 312830  | 13.65% | 0.821% |
| 44 | 6.022  | 665  | 669  | 671  | rBV  | 95178   | 86750   | 3.78%  | 0.228% |
| 45 | 6.145  | 686  | 690  | 695  | rBV4 | 47873   | 81563   | 3.56%  | 0.214% |
| 46 | 6.239  | 703  | 706  | 710  | rBV2 | 68763   | 84840   | 3.70%  | 0.223% |
| 47 | 6.345  | 719  | 724  | 727  | rBV  | 1912865 | 1761041 | 76.82% | 4.621% |
| 48 | 6.475  | 739  | 746  | 749  | rBV  | 2087872 | 1822463 | 79.50% | 4.782% |
| 49 | 6.704  | 782  | 785  | 789  | rVB  | 821377  | 658907  | 28.74% | 1.729% |
| 50 | 6.863  | 808  | 812  | 815  | rBV  | 1756743 | 1411850 | 61.59% | 3.705% |
| 51 | 7.263  | 871  | 880  | 883  | rBV  | 1211736 | 1156132 | 50.43% | 3.034% |
| 52 | 7.986  | 999  | 1003 | 1006 | rBV  | 1132817 | 880370  | 38.40% | 2.310% |
| 53 | 9.063  | 1182 | 1186 | 1189 | rBV  | 2718698 | 2190326 | 95.54% | 5.748% |
| 54 | 9.457  | 1249 | 1253 | 1256 | rBV  | 700379  | 536346  | 23.40% | 1.407% |
| 55 | 9.739  | 1297 | 1301 | 1304 | rBV  | 1126788 | 1040479 | 45.39% | 2.730% |
| 56 | 10.521 | 1430 | 1434 | 1440 | rBV  | 1354527 | 1238983 | 54.04% | 3.251% |
| 57 | 11.216 | 1548 | 1552 | 1554 | rBV  | 1217173 | 1079298 | 47.08% | 2.832% |
| 58 | 11.233 | 1554 | 1555 | 1559 | rVB  | 70629   | 51765   | 2.26%  | 0.136% |
| 59 | 11.751 | 1639 | 1643 | 1647 | rBV2 | 116324  | 140535  | 6.13%  | 0.369% |
| 60 | 11.821 | 1652 | 1655 | 1658 | rBV  | 39917   | 42650   | 1.86%  | 0.112% |
| 61 | 12.074 | 1694 | 1698 | 1703 | rVB2 | 38592   | 36128   | 1.58%  | 0.095% |
| 62 | 12.263 | 1724 | 1730 | 1732 | rBV  | 36898   | 43186   | 1.88%  | 0.113% |
| 63 | 12.345 | 1741 | 1744 | 1749 | rVB5 | 20594   | 26623   | 1.16%  | 0.070% |
| 64 | 12.421 | 1751 | 1757 | 1762 | rBV  | 184580  | 182946  | 7.98%  | 0.480% |
| 65 | 12.533 | 1774 | 1776 | 1784 | rVB3 | 100538  | 109791  | 4.79%  | 0.288% |
| 66 | 12.645 | 1790 | 1795 | 1798 | rBV  | 193147  | 181649  | 7.92%  | 0.477% |
| 67 | 12.798 | 1817 | 1821 | 1824 | rVB  | 2133417 | 1945878 | 84.88% | 5.106% |
| 68 | 12.863 | 1828 | 1832 | 1836 | rBV4 | 22915   | 35937   | 1.57%  | 0.094% |
| 69 | 12.974 | 1849 | 1851 | 1854 | rVB  | 37837   | 30788   | 1.34%  | 0.081% |
| 70 | 13.039 | 1857 | 1862 | 1865 | rBV3 | 43646   | 47376   | 2.07%  | 0.124% |
| 71 | 13.074 | 1865 | 1868 | 1871 | rVV  | 37555   | 35025   | 1.53%  | 0.092% |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

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-BF092218.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 13.380 | 1918 | 1920 | 1926 | rVB4 | 25703  | 32336  | 1.41%  | 0.085% |
| 73 | 13.480 | 1930 | 1937 | 1942 | rBV  | 28270  | 43214  | 1.89%  | 0.113% |
| 74 | 13.586 | 1950 | 1955 | 1958 | rBV2 | 22348  | 31949  | 1.39%  | 0.084% |
| 75 | 13.710 | 1973 | 1976 | 1985 | rVB2 | 157328 | 237290 | 10.35% | 0.623% |
| 76 | 13.839 | 1993 | 1998 | 2001 | rBV  | 942292 | 938838 | 40.95% | 2.464% |
| 77 | 13.862 | 2001 | 2002 | 2005 | rVB  | 115286 | 61494  | 2.68%  | 0.161% |
| 78 | 14.021 | 2027 | 2029 | 2032 | rVB3 | 41841  | 35111  | 1.53%  | 0.092% |
| 79 | 14.221 | 2059 | 2063 | 2066 | rBV  | 36210  | 37189  | 1.62%  | 0.098% |
| 80 | 14.327 | 2077 | 2081 | 2083 | rBV3 | 62991  | 71652  | 3.13%  | 0.188% |
| 81 | 14.351 | 2083 | 2085 | 2092 | rVB6 | 41412  | 71659  | 3.13%  | 0.188% |
| 82 | 14.592 | 2123 | 2126 | 2128 | rBV  | 66665  | 70240  | 3.06%  | 0.184% |
| 83 | 14.621 | 2128 | 2131 | 2135 | rVB  | 129580 | 129898 | 5.67%  | 0.341% |
| 84 | 14.686 | 2138 | 2142 | 2146 | rBV  | 432428 | 423689 | 18.48% | 1.112% |
| 85 | 14.845 | 2165 | 2169 | 2177 | rVB  | 108362 | 197377 | 8.61%  | 0.518% |
| 86 | 14.933 | 2179 | 2184 | 2189 | rBV2 | 211233 | 239285 | 10.44% | 0.628% |
| 87 | 14.986 | 2189 | 2193 | 2198 | rBV8 | 11737  | 26501  | 1.16%  | 0.070% |
| 88 | 15.121 | 2212 | 2216 | 2222 | rBV  | 73328  | 86057  | 3.75%  | 0.226% |
| 89 | 15.180 | 2222 | 2226 | 2231 | rVB  | 106750 | 127218 | 5.55%  | 0.334% |
| 90 | 15.239 | 2231 | 2236 | 2240 | rBV  | 647977 | 754235 | 32.90% | 1.979% |
| 91 | 15.286 | 2240 | 2244 | 2250 | rVB2 | 228192 | 283806 | 12.38% | 0.745% |
| 92 | 15.686 | 2307 | 2312 | 2318 | rBV  | 179444 | 261159 | 11.39% | 0.685% |
| 93 | 16.151 | 2386 | 2391 | 2402 | rVB  | 88981  | 171424 | 7.48%  | 0.450% |
| 94 | 16.586 | 2461 | 2465 | 2471 | rVB2 | 35549  | 59962  | 2.62%  | 0.157% |
| 95 | 16.692 | 2476 | 2483 | 2488 | rBV2 | 30987  | 66930  | 2.92%  | 0.176% |
| 96 | 16.986 | 2528 | 2533 | 2539 | rBV2 | 31975  | 57747  | 2.52%  | 0.152% |
| 97 | 18.074 | 2710 | 2718 | 2720 | rBV9 | 12645  | 29376  | 1.28%  | 0.077% |

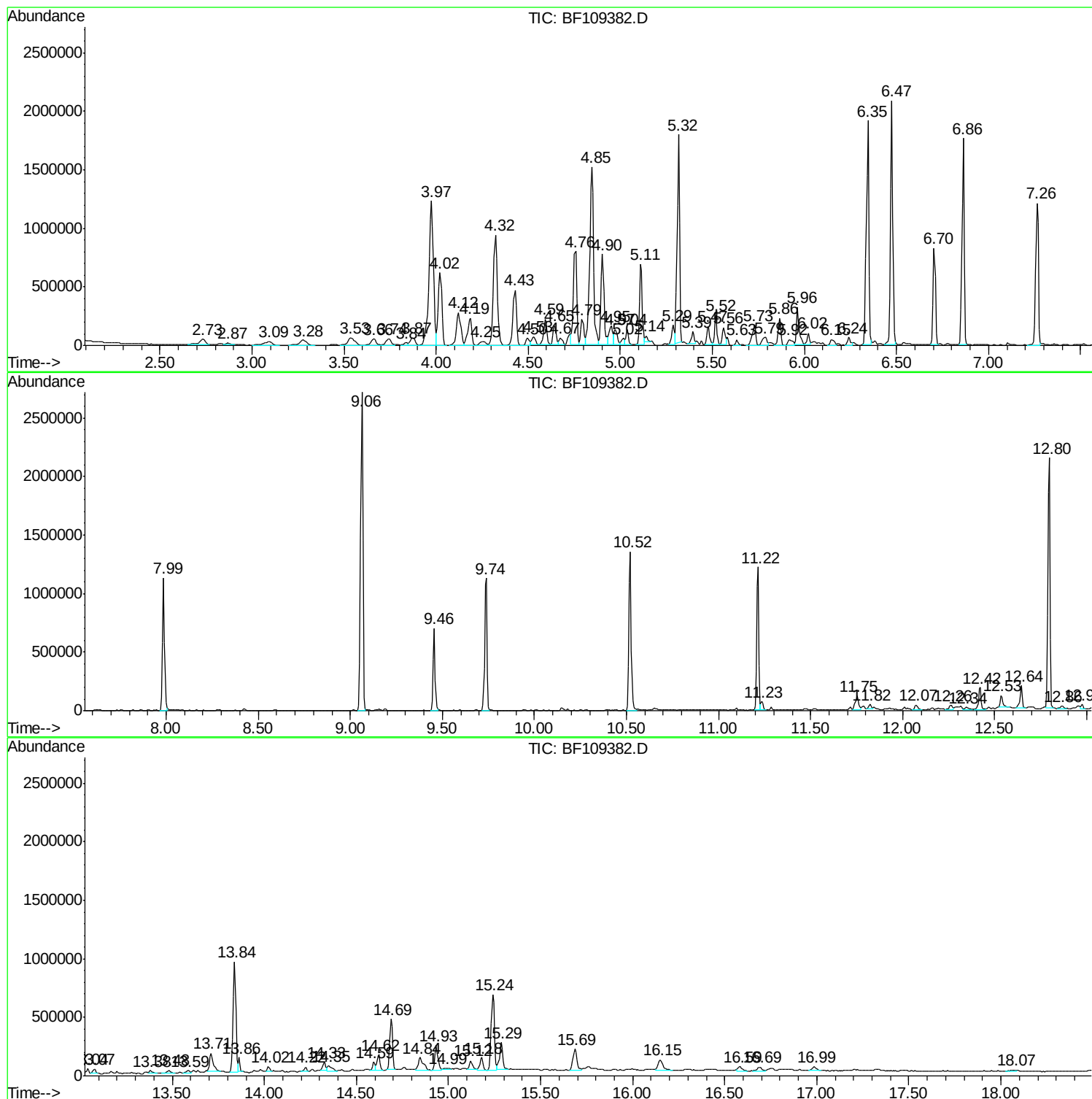
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Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.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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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

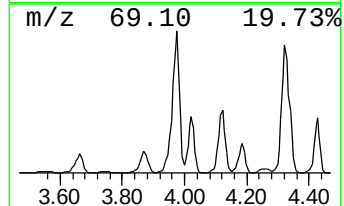
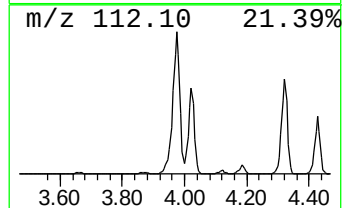
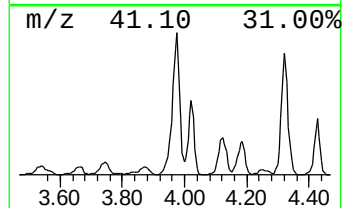
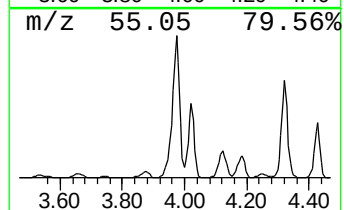
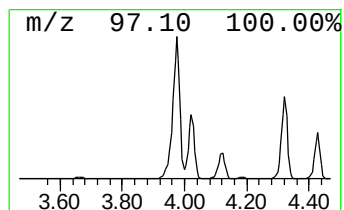
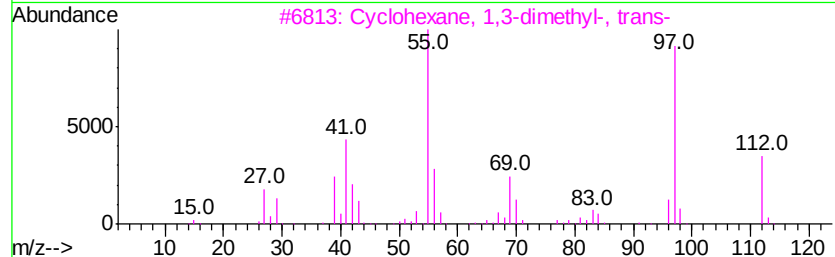
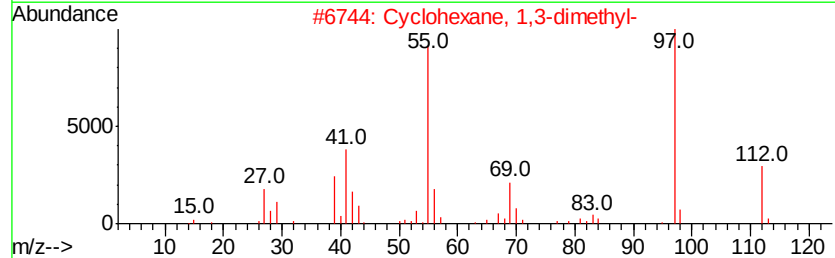
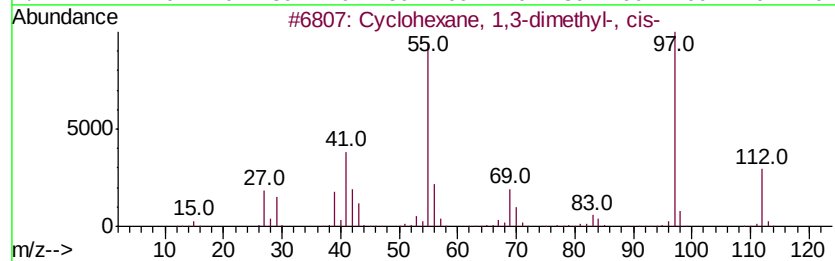
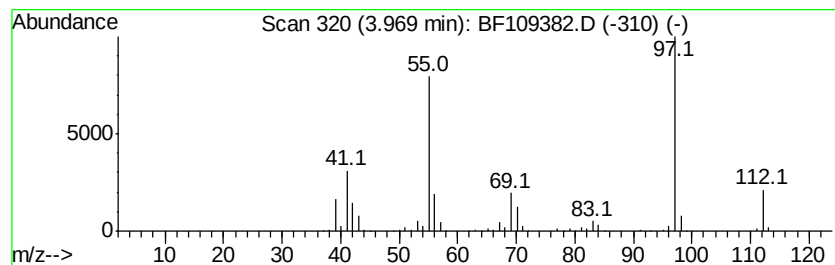
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 3.97 | 63.50 ng | 2092080 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 97   |
| 2    |    | Cyclohexane, 1,3-dimethyl-         | 112 | C8H16   | 000591-21-9 | 94   |
| 3    |    | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 91   |
| 4    |    | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16   | 002207-04-7 | 90   |
| 5    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 76   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

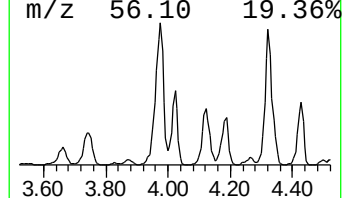
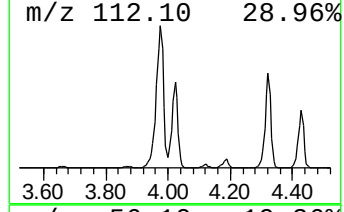
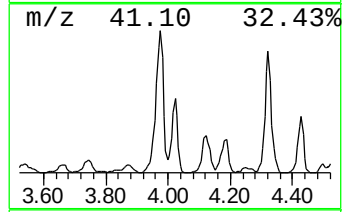
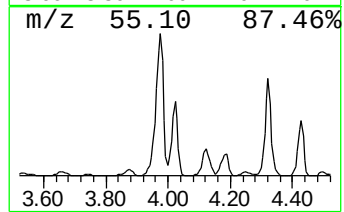
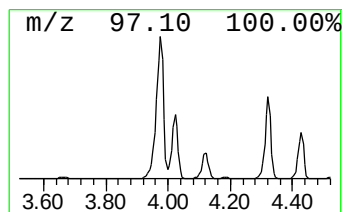
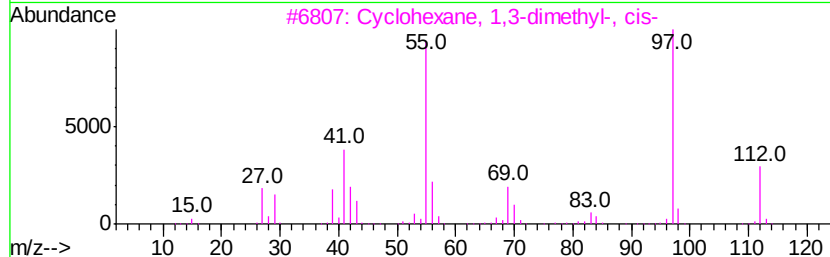
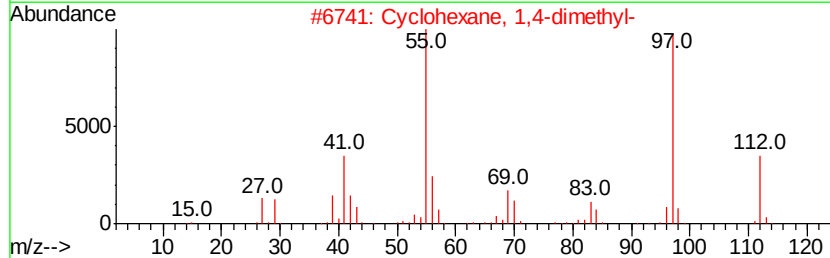
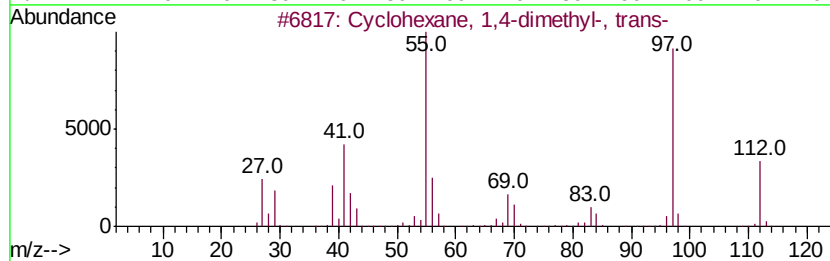
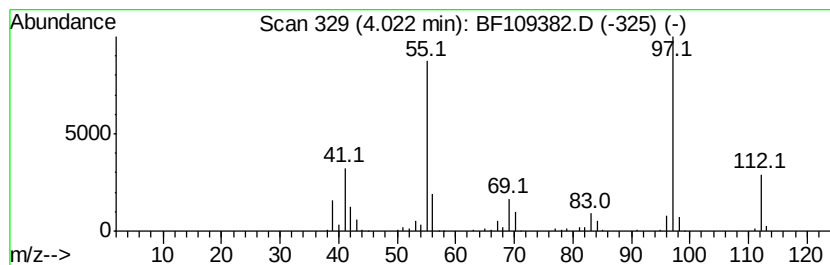
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 8

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.02 | 24.83 ng | 818140 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16   | 002207-04-7 | 97   |
| 2    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 97   |
| 3    |    | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 94   |
| 4    |    | Cyclohexane, 1,4-dimethyl-, cis-   | 112 | C8H16   | 000624-29-3 | 94   |
| 5    |    | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 91   |



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Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

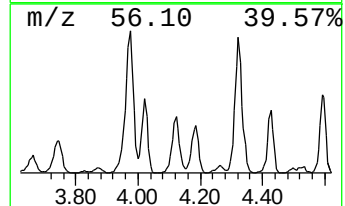
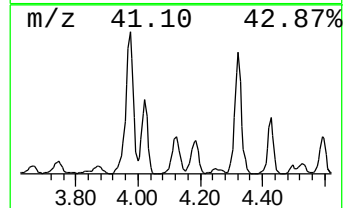
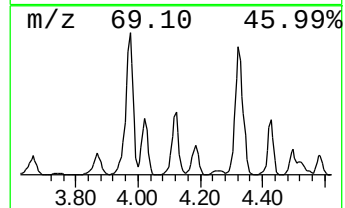
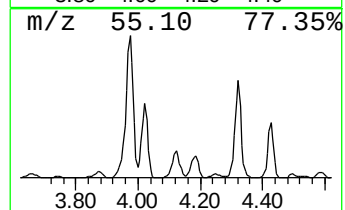
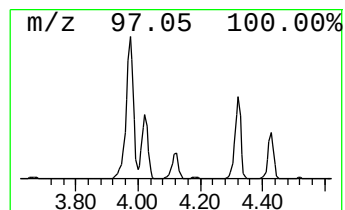
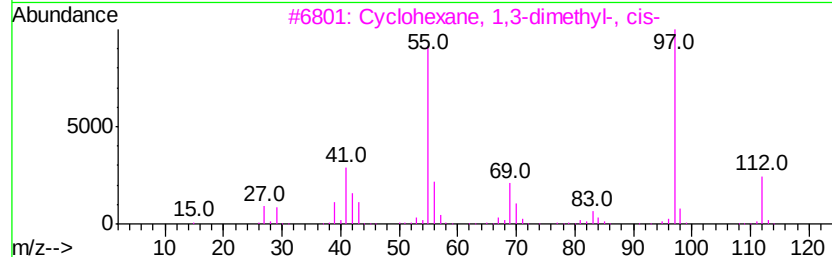
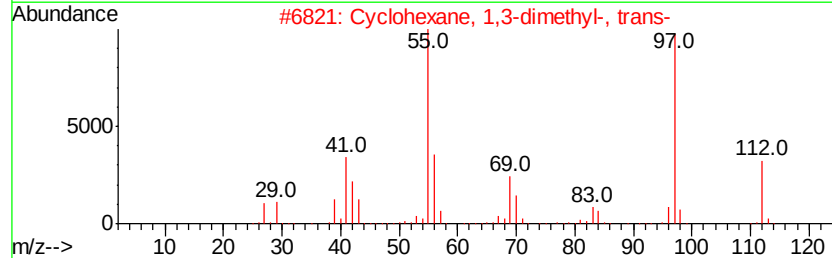
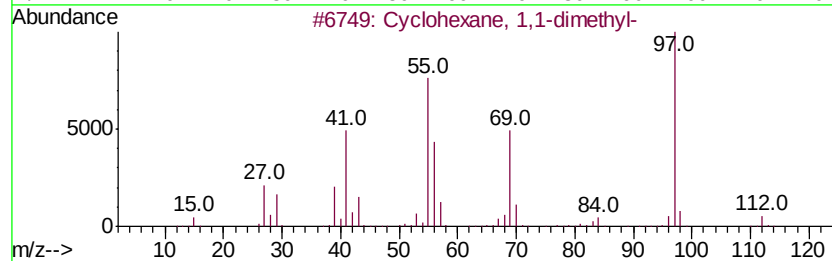
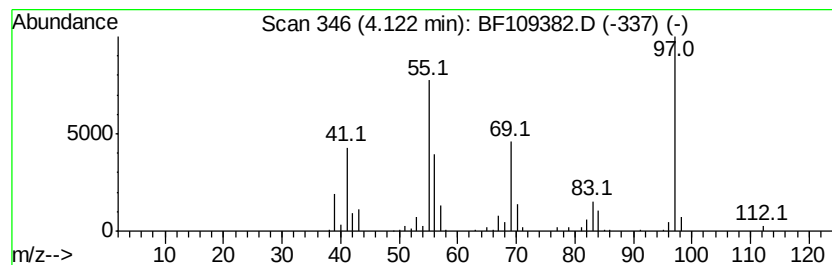
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Cyclohexane, 1,1-dimethyl- Concentration Rank 11

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.12 | 14.33 ng | 472086 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexane, 1,1-dimethyl-          | 112 | C8H16     | 000590-66-9  | 90   |
| 2    |    | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16     | 002207-03-6  | 72   |
| 3    |    | Cyclohexane, 1,3-dimethyl-, cis-    | 112 | C8H16     | 000638-04-0  | 53   |
| 4    |    | Sulfurous acid, cyclohexylmethyl... | 262 | C13H26O3S | 1000309-21-5 | 53   |
| 5    |    | Cyclohexane, 1,4-dimethyl-          | 112 | C8H16     | 000589-90-2  | 53   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

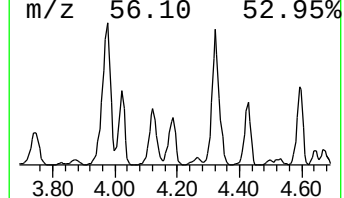
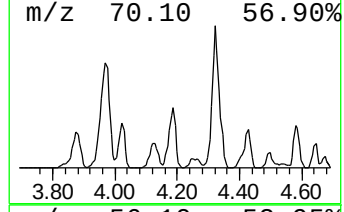
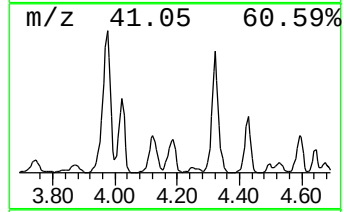
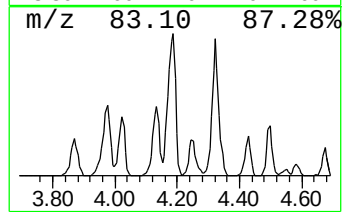
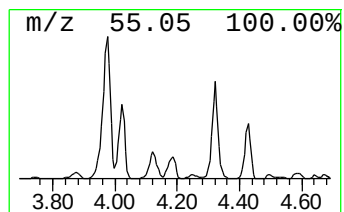
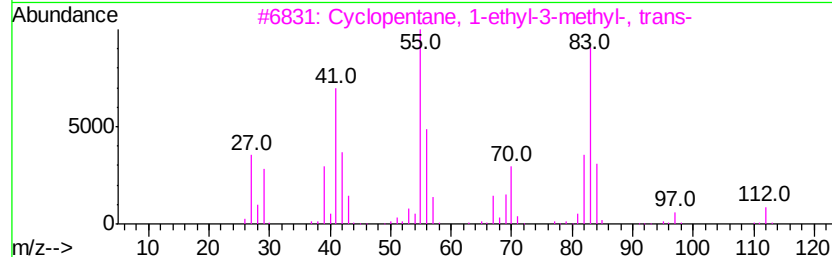
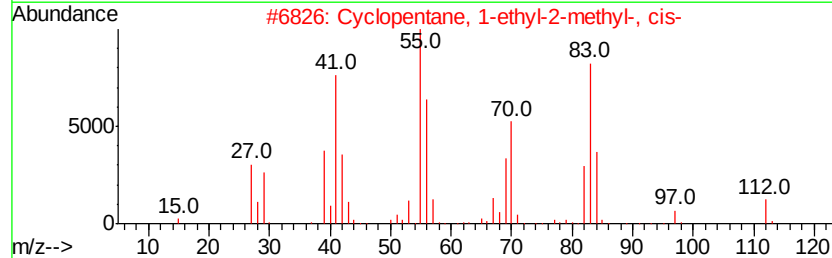
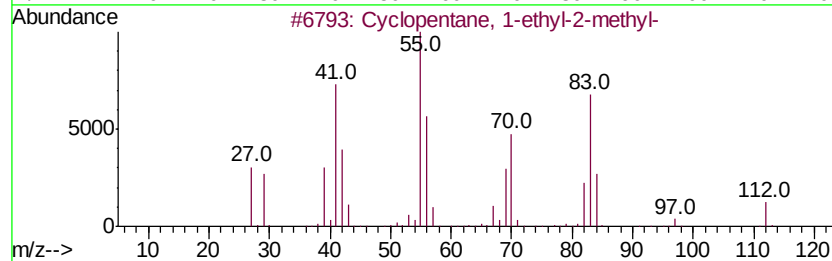
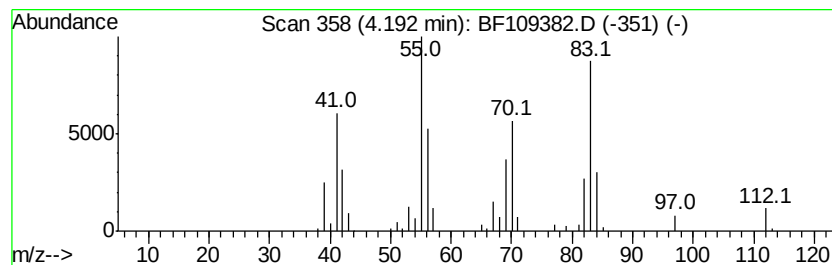
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclopentane, 1-ethyl-2-met... Concentration Rank 12

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.19 | 11.43 ng | 376571 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, 1-ethyl-2-methyl-     | 112 | C8H16   | 003726-46-3 | 97   |
| 2    |    | Cyclopentane, 1-ethyl-2-methyl-,... | 112 | C8H16   | 000930-89-2 | 96   |
| 3    |    | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16   | 002613-65-2 | 87   |
| 4    |    | Cyclopentane, 1-ethyl-3-methyl-     | 112 | C8H16   | 003726-47-4 | 86   |
| 5    |    | Cyclopentane, 1-ethyl-3-methyl-,... | 112 | C8H16   | 002613-66-3 | 86   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

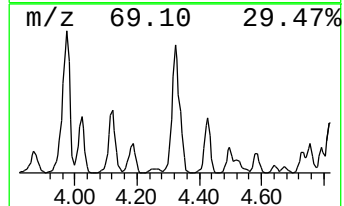
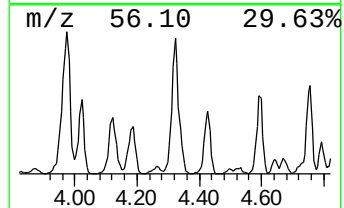
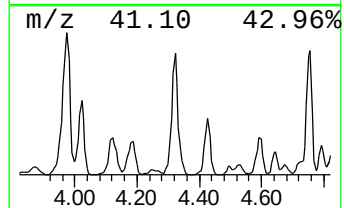
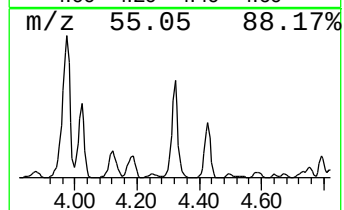
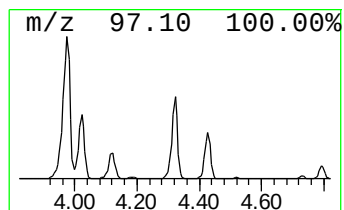
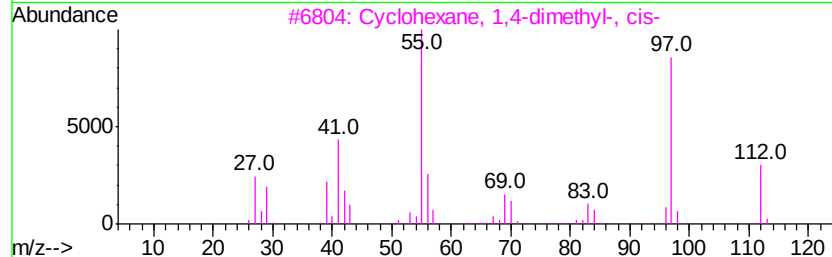
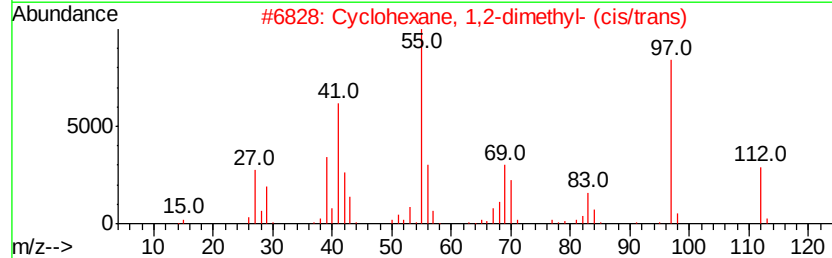
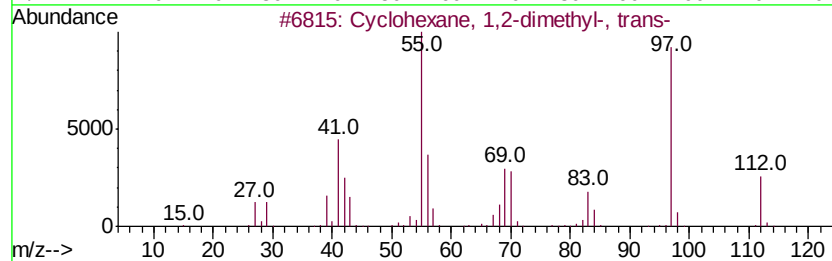
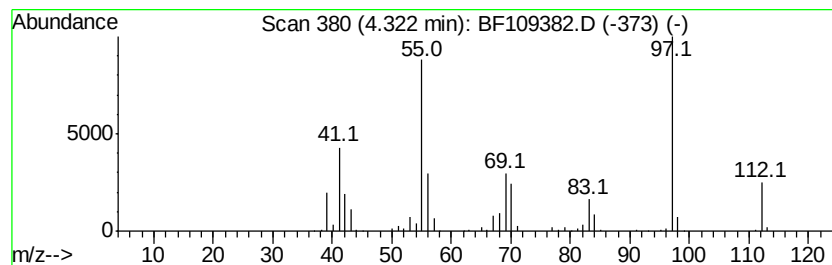
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.32 | 41.50 ng | 1367330 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2-dimethyl-, trans-  | 112 | C8H16   | 006876-23-9 | 96   |
| 2    |    | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16   | 000583-57-3 | 94   |
| 3    |    | Cyclohexane, 1,4-dimethyl-, cis-    | 112 | C8H16   | 000624-29-3 | 90   |
| 4    |    | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 87   |
| 5    |    | Cyclohexane, 1,4-dimethyl-, trans-  | 112 | C8H16   | 002207-04-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

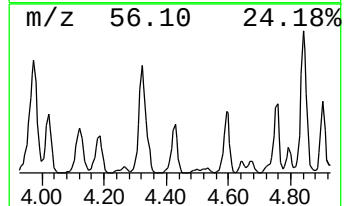
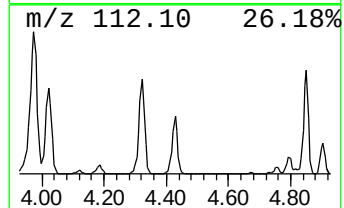
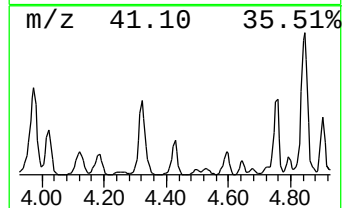
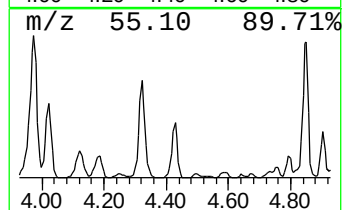
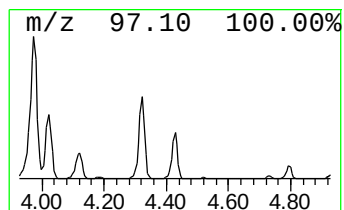
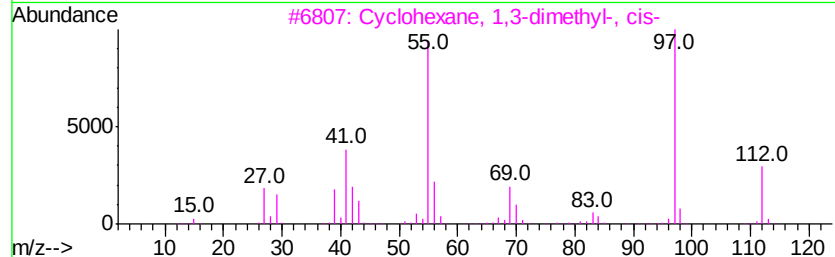
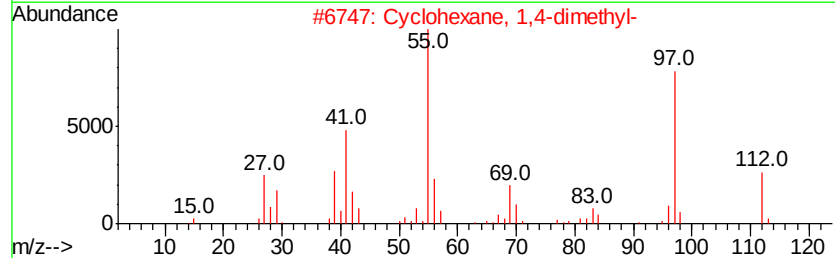
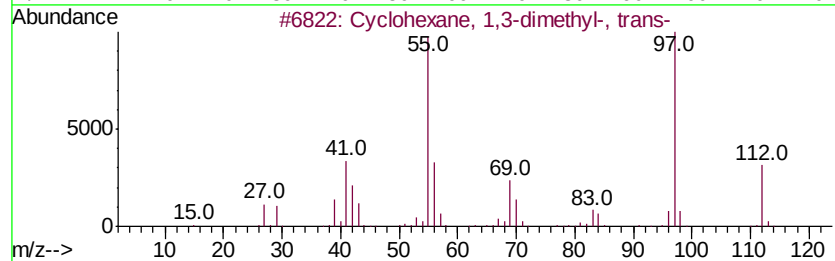
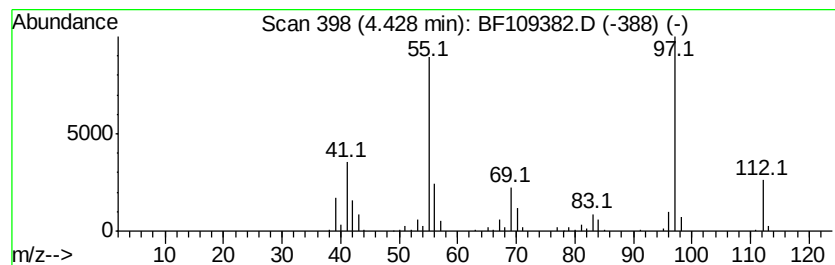
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.43 | 18.51 ng | 609816 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 97   |
| 2    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 97   |
| 3    |    | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 94   |
| 4    |    | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16   | 002207-04-7 | 94   |
| 5    |    | Cyclohexane, 1,3-dimethyl-         | 112 | C8H16   | 000591-21-9 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

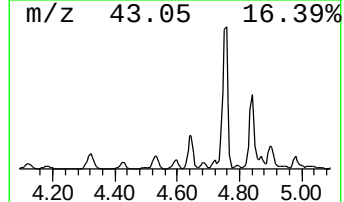
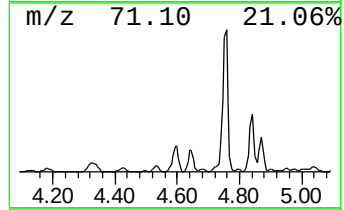
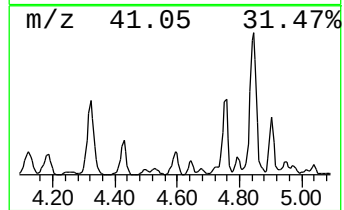
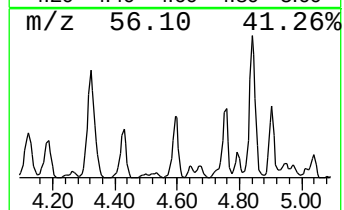
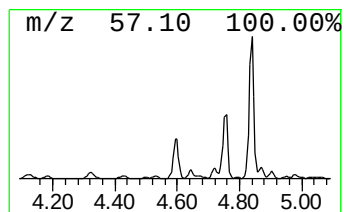
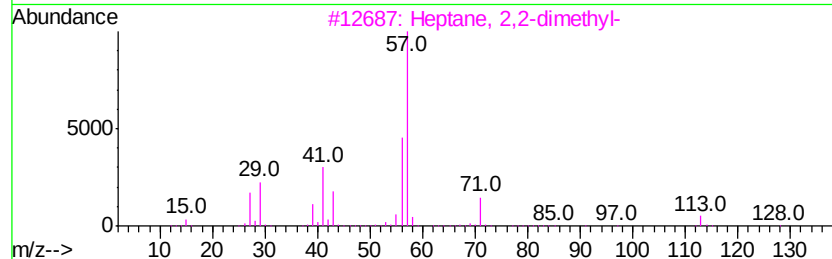
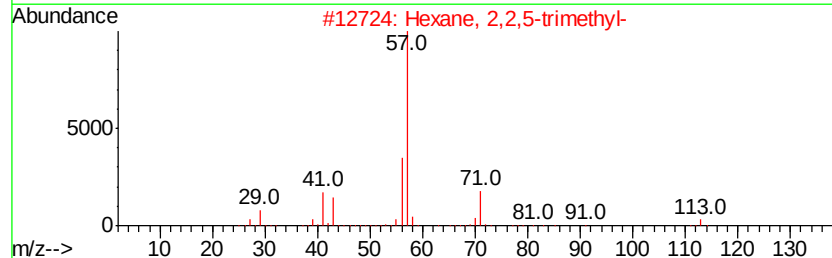
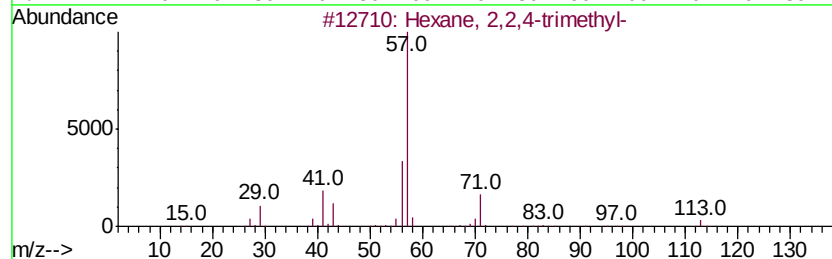
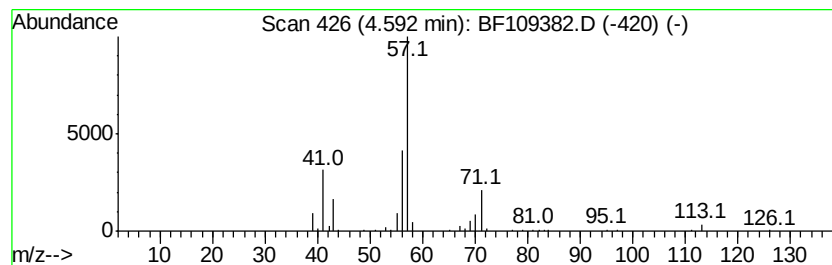
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Hexane, 2,2,4-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.59 | 9.00 ng | 296659 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 2,2,4-trimethyl-       | 128 | C9H20   | 016747-26-5 | 83   |
| 2    |    | Hexane, 2,2,5-trimethyl-       | 128 | C9H20   | 003522-94-9 | 78   |
| 3    |    | Heptane, 2,2-dimethyl-         | 128 | C9H20   | 001071-26-7 | 64   |
| 4    |    | Octane, 2,6-dimethyl-          | 142 | C10H22  | 002051-30-1 | 64   |
| 5    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

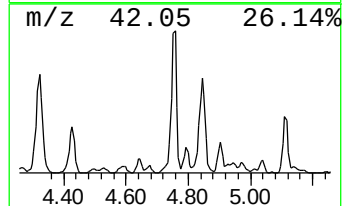
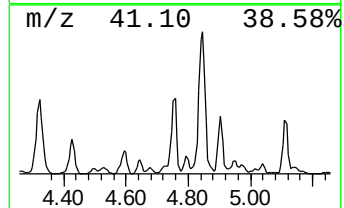
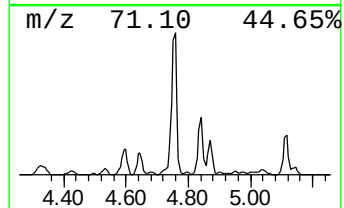
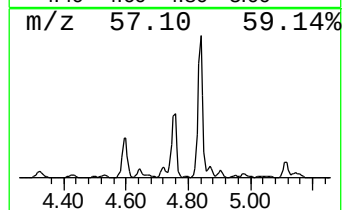
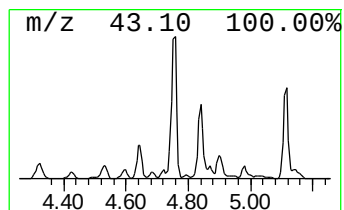
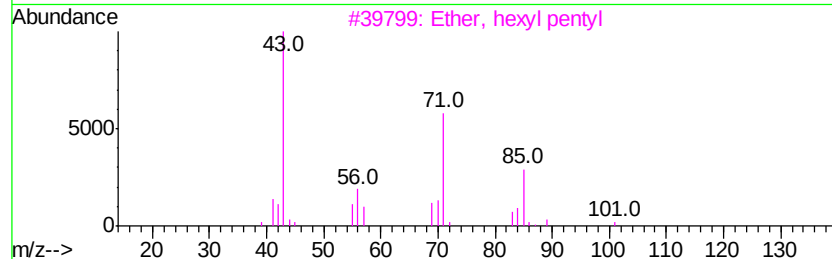
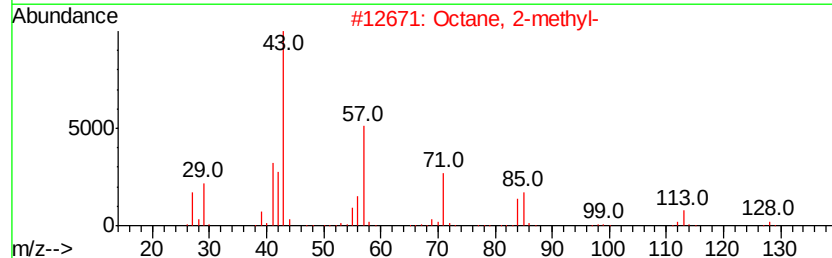
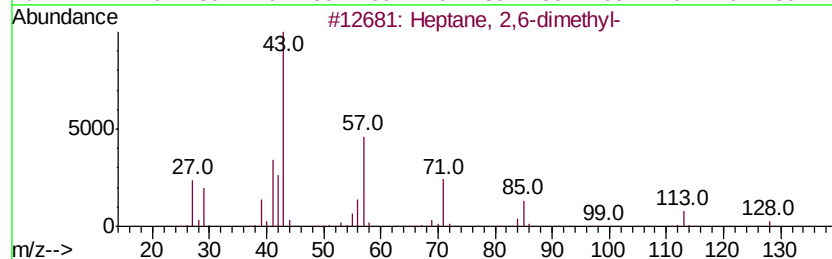
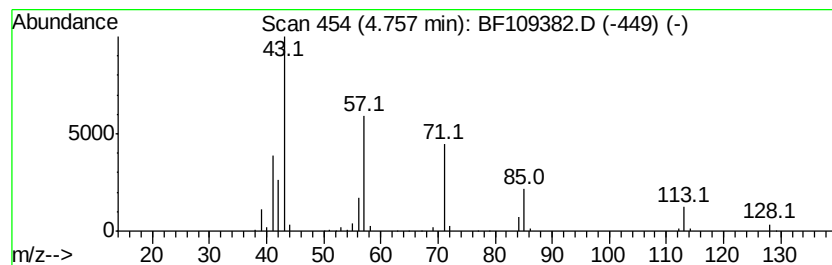
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heptane, 2,6-dimethyl- Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.76 | 29.63 ng | 976099 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of | 5                             | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------|--------------|-----|---------|-------------|------|
| 1       | Heptane, 2,6-dimethyl-        |              | 128 | C9H20   | 001072-05-5 | 91   |
| 2       | Octane, 2-methyl-             |              | 128 | C9H20   | 003221-61-2 | 58   |
| 3       | Ether, hexyl pentyl           |              | 172 | C11H24O | 032357-83-8 | 53   |
| 4       | Octane, 3-ethyl-2,7-dimethyl- |              | 170 | C12H26  | 062183-55-5 | 53   |
| 5       | 1-Nonene, 4,6,8-trimethyl-    |              | 168 | C12H24  | 054410-98-9 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

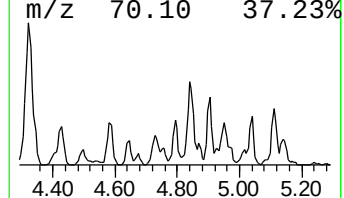
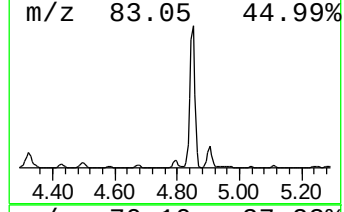
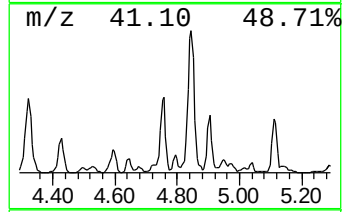
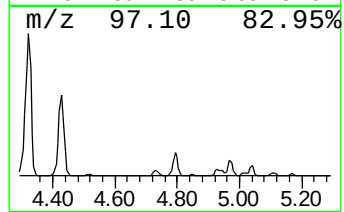
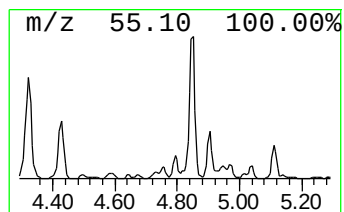
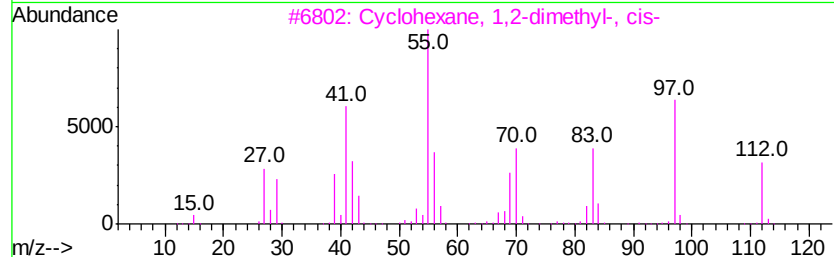
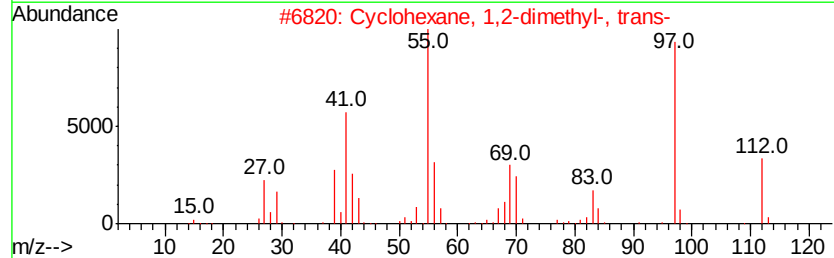
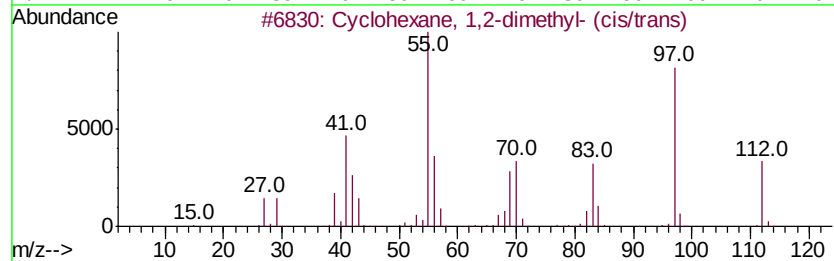
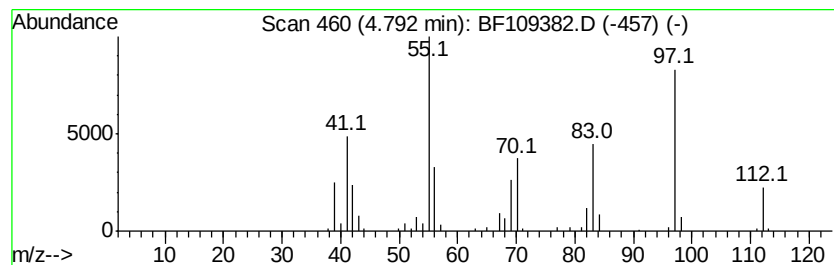
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.79 | 7.39 ng | 243418 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16   | 000583-57-3 | 91   |
| 2    |    | Cyclohexane, 1,2-dimethyl-, trans-  | 112 | C8H16   | 006876-23-9 | 83   |
| 3    |    | Cyclohexane, 1,2-dimethyl-, cis-    | 112 | C8H16   | 002207-01-4 | 68   |
| 4    |    | Cyclohexane, 1,4-dimethyl-, cis-    | 112 | C8H16   | 000624-29-3 | 64   |
| 5    |    | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
TP-2-S

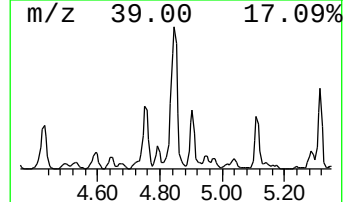
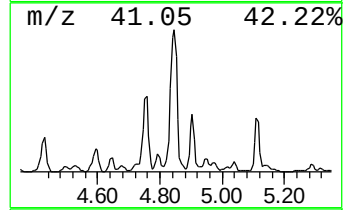
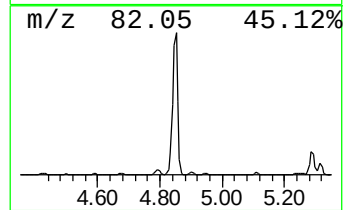
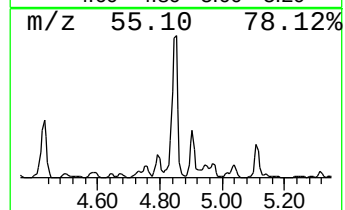
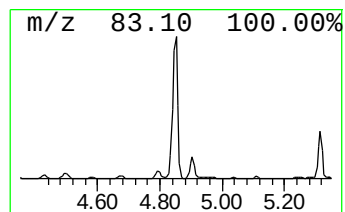
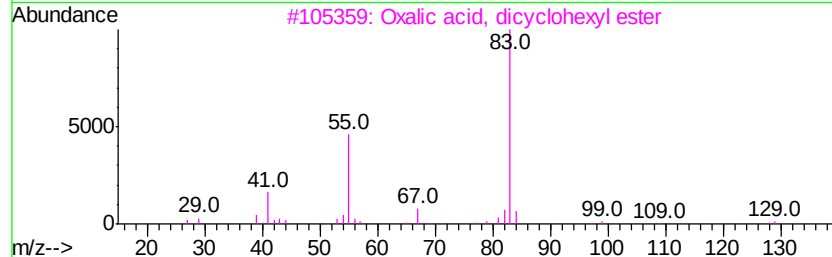
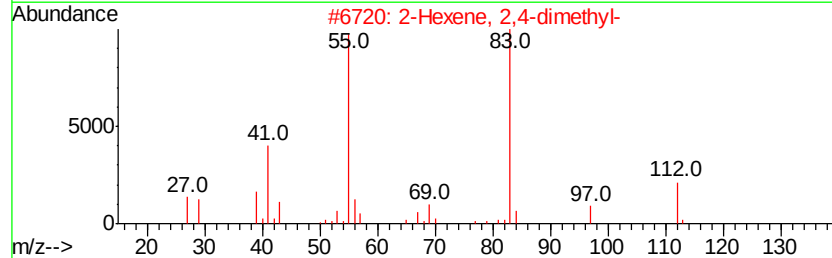
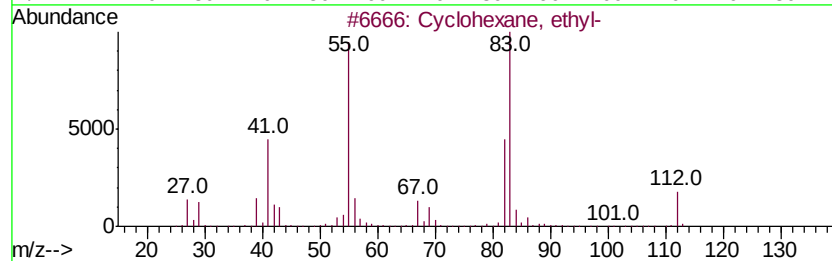
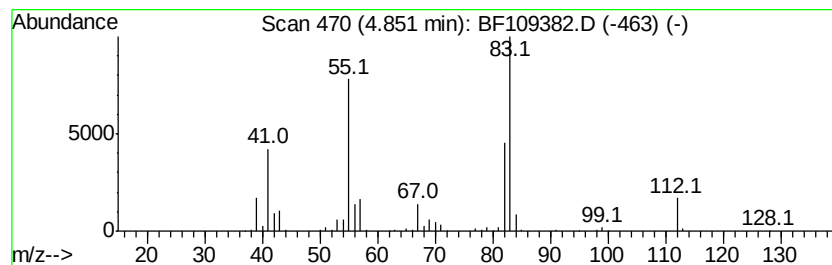
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Cyclohexane, ethyl- Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.85 | 69.59 ng | 2292510 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                    | MW  | MolForm  | CAS#         | Qual |
|------|----|---------------------------------|-----|----------|--------------|------|
| 1    | 5  | Cyclohexane, ethyl-             | 112 | C8H16    | 001678-91-7  | 86   |
| 2    |    | 2-Hexene, 2,4-dimethyl-         | 112 | C8H16    | 014255-23-3  | 52   |
| 3    |    | Oxalic acid, dicyclohexyl ester | 254 | C14H22O4 | 1000309-30-9 | 50   |
| 4    |    | 2-Pentene, 3-ethyl-2-methyl-    | 112 | C8H16    | 019780-67-7  | 49   |
| 5    |    | trans-4,4-Dimethyl-2-hexene     | 112 | C8H16    | 019550-83-5  | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

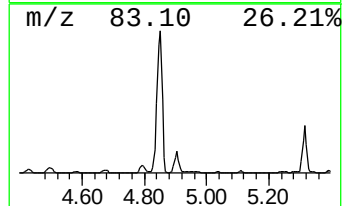
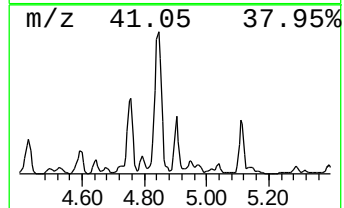
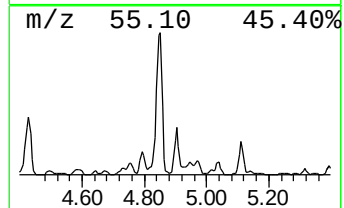
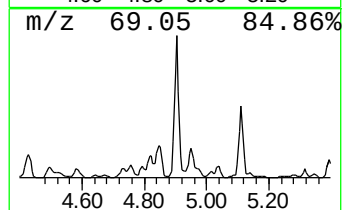
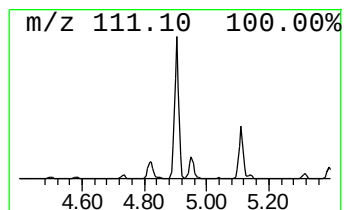
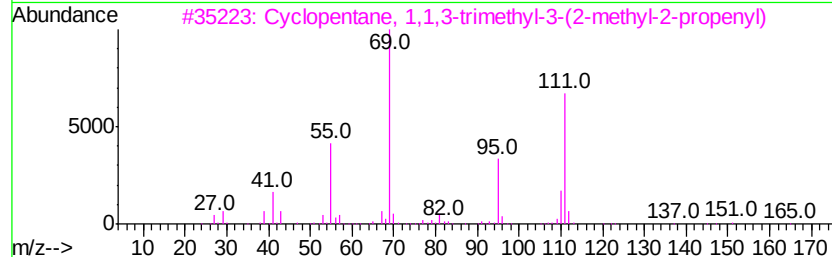
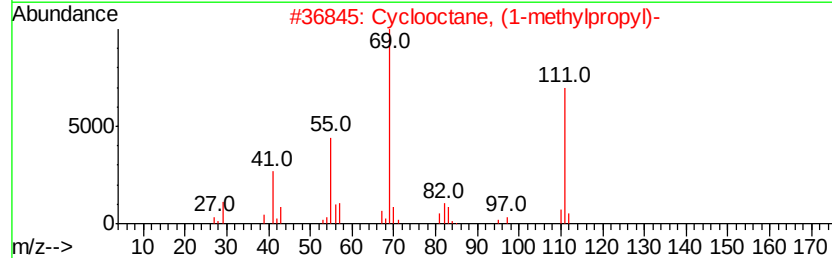
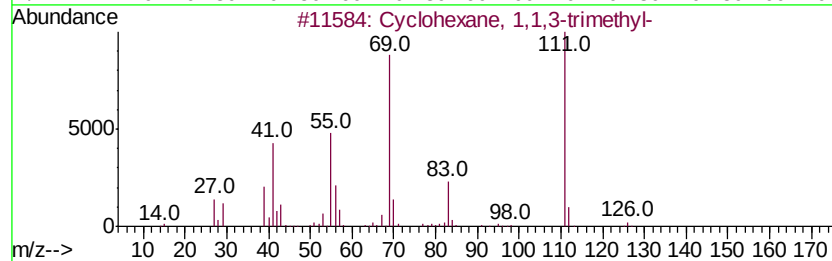
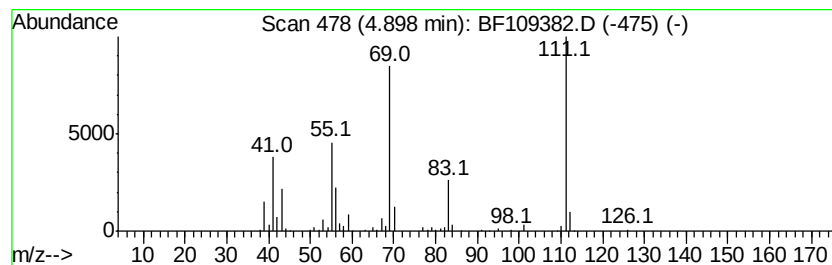
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.90 | 25.84 ng | 851165 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3-trimethyl-        | 126 | C9H18   | 003073-66-3 | 90   |
| 2    |    | Cyclooctane, (1-methylpropyl)-       | 168 | C12H24  | 016538-89-9 | 64   |
| 3    |    | Cyclopentane, 1,1,3-trimethyl-3-...  | 166 | C12H22  | 074421-09-3 | 59   |
| 4    |    | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-27-3 | 56   |
| 5    |    | Cyclohexane, 1,3,5-trimethyl-        | 126 | C9H18   | 001839-63-0 | 50   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

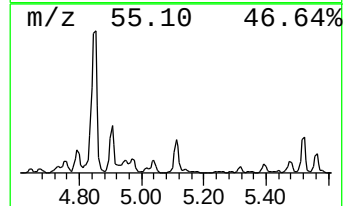
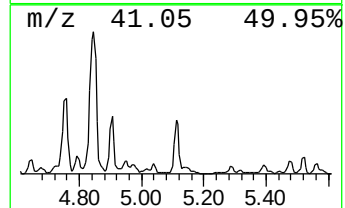
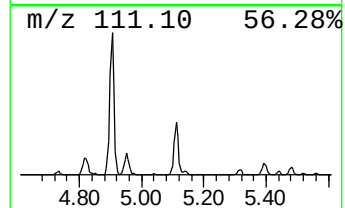
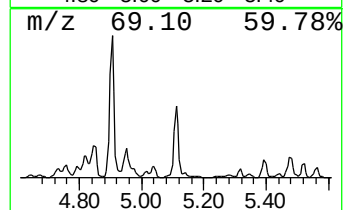
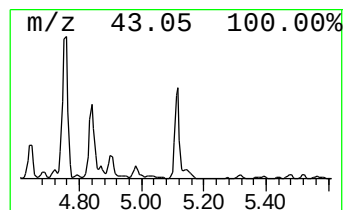
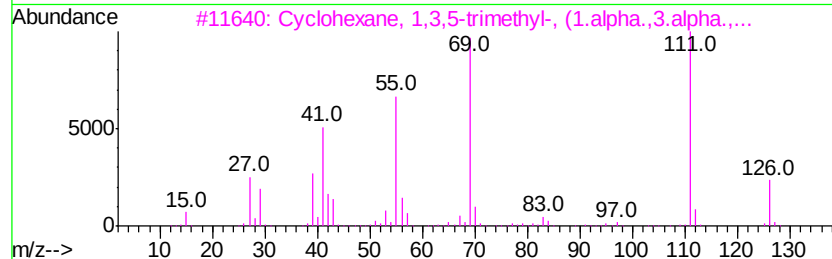
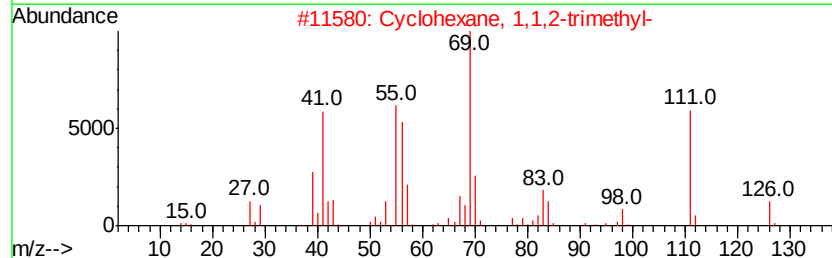
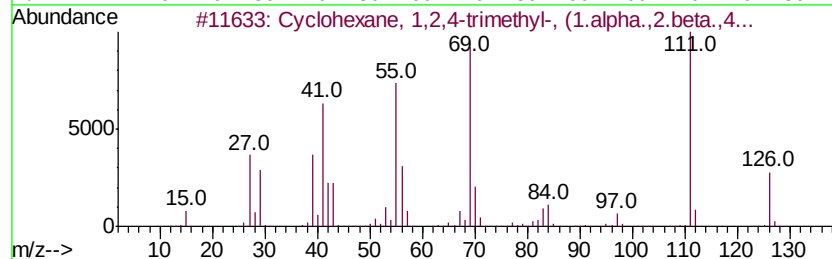
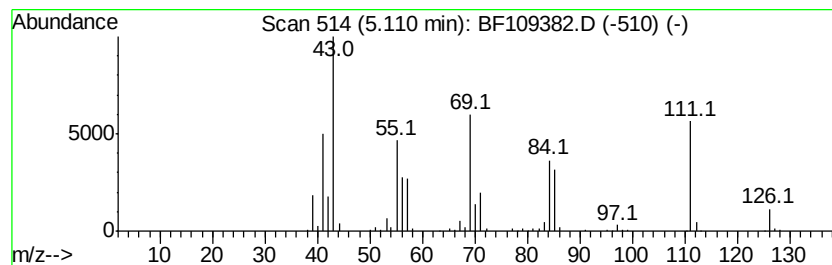
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown5.11 Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.11 | 22.10 ng | 728177 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18   | 007667-60-9 | 46   |
| 2    |    | Cyclohexane, 1,1,2-trimethyl-       | 126 | C9H18   | 007094-26-0 | 46   |
| 3    |    | Cyclohexane, 1,3,5-trimethyl-, (... | 126 | C9H18   | 001795-27-3 | 43   |
| 4    |    | 1.alpha.,2.beta.,3.alpha.,4.beta... | 126 | C9H18   | 002532-67-4 | 38   |
| 5    |    | Pentane, 3-methylene-               | 84  | C6H12   | 000760-21-4 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

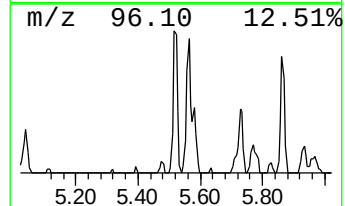
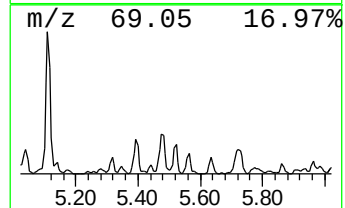
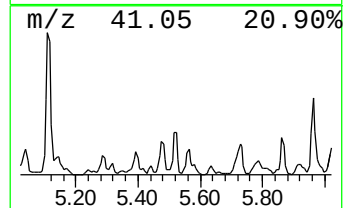
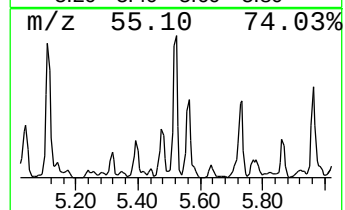
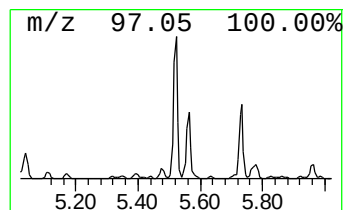
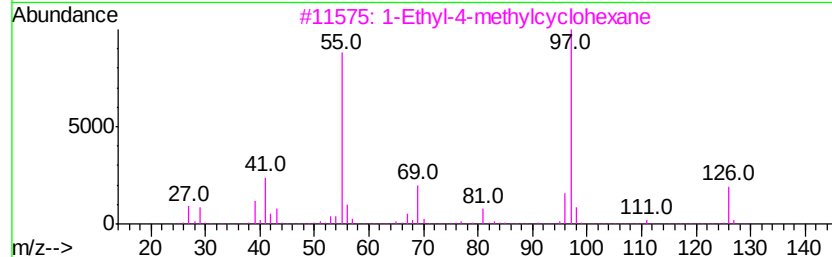
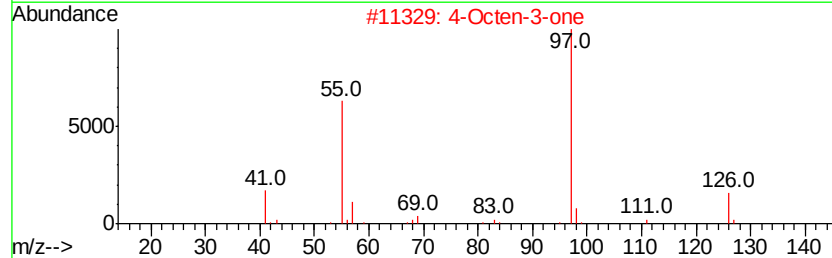
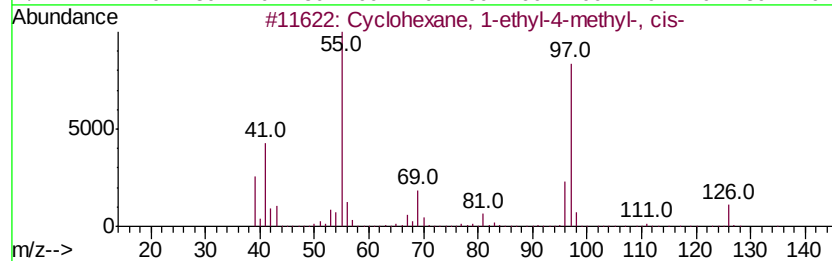
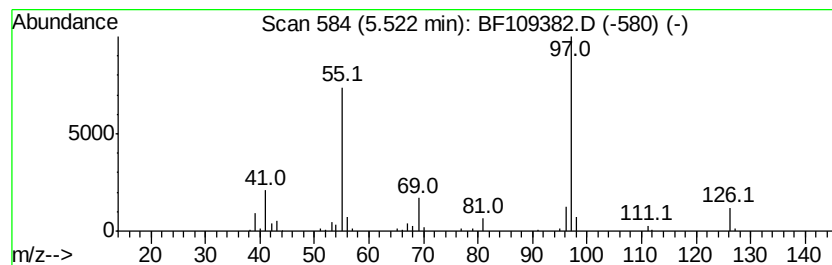
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.52 | 7.16 ng | 235905 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 004926-78-7 | 86   |
| 2    |    | 4-Octen-3-one                       | 126 | C8H14O  | 014129-48-7 | 72   |
| 3    |    | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 70   |
| 4    |    | Cyclohexane, 1-bromo-4-methyl-      | 176 | C7H13Br | 006294-40-2 | 64   |
| 5    |    | 2-Hexene, 3,4,4-trimethyl-          | 126 | C9H18   | 053941-19-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

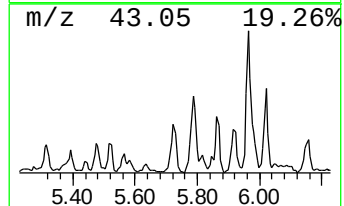
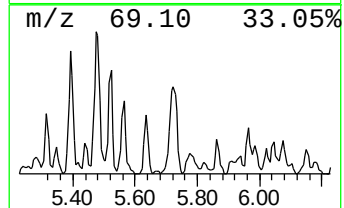
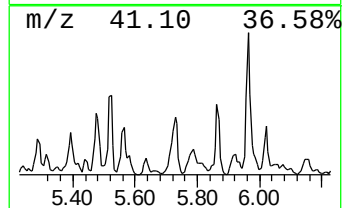
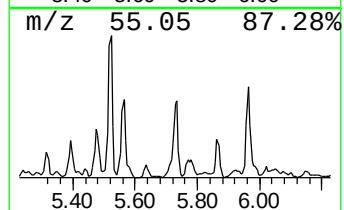
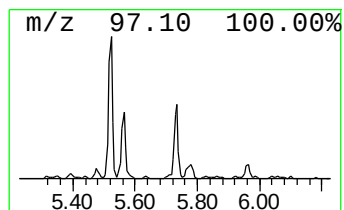
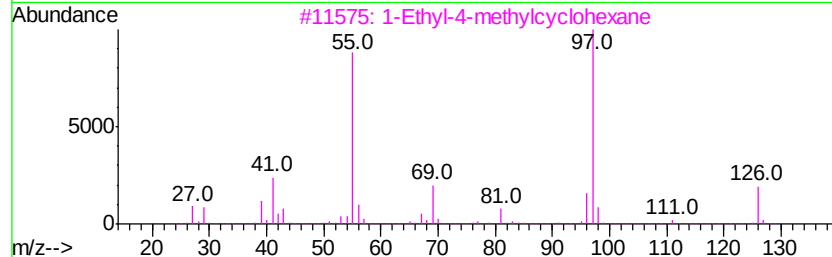
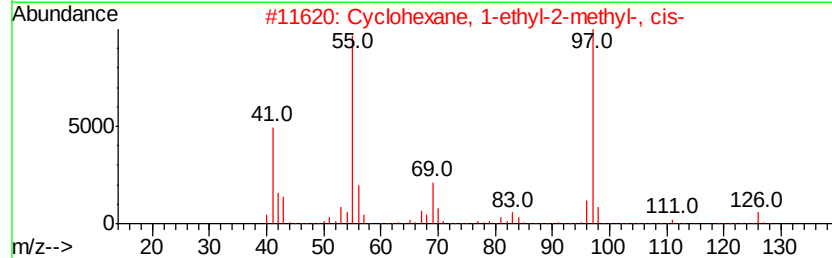
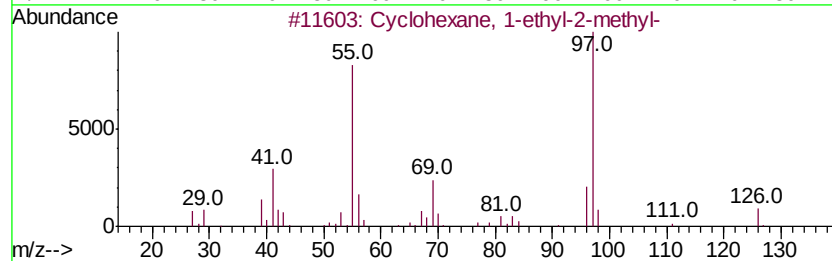
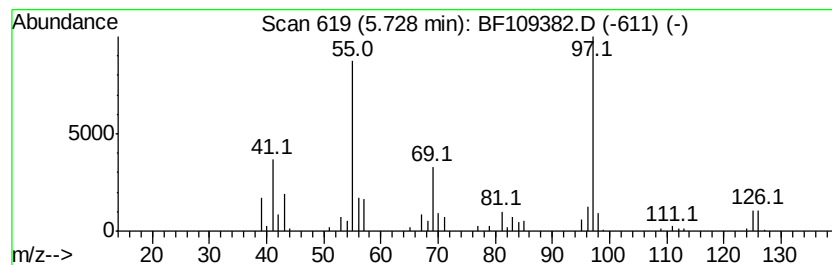
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 17

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.73 | 7.27 ng | 239561 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18     | 003728-54-9  | 90   |
| 2    |    |   | Cyclohexane, 1-ethyl-2-methyl-, ... | 126 | C9H18     | 004923-77-7  | 81   |
| 3    |    |   | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18     | 003728-56-1  | 72   |
| 4    |    |   | Sulfurous acid, cyclohexylmethyl... | 304 | C16H32O3S | 1000309-21-8 | 72   |
| 5    |    |   | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18     | 004926-78-7  | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

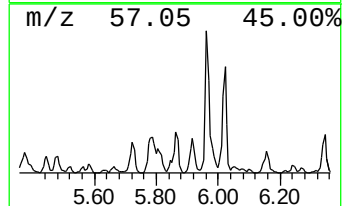
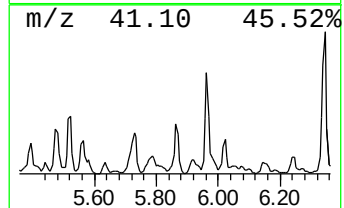
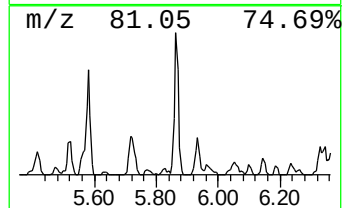
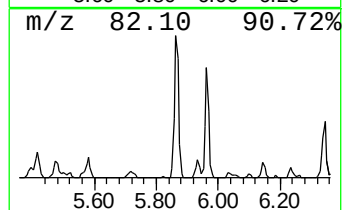
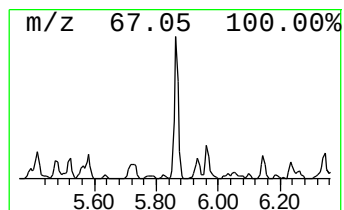
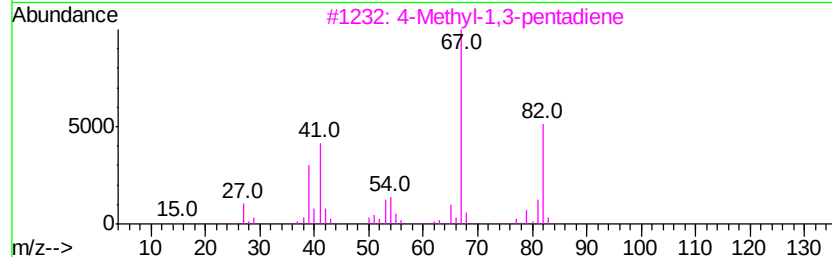
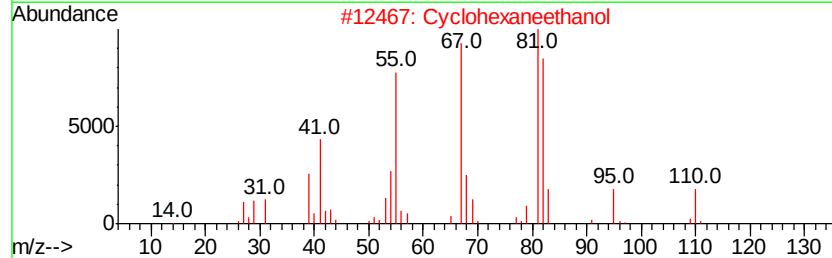
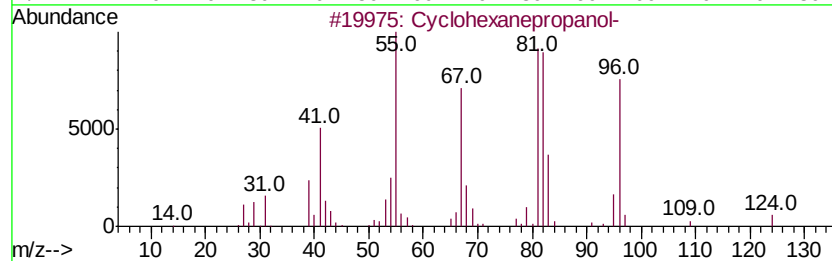
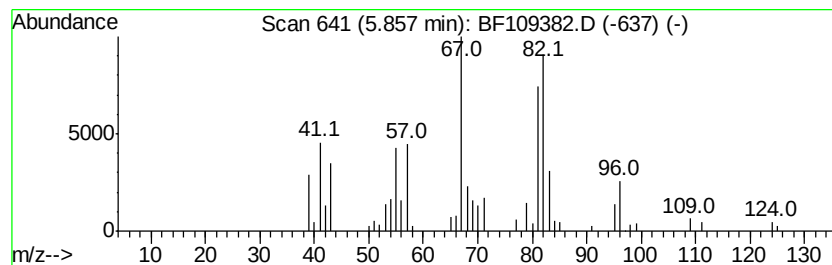
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Cyclohexanepropanol- Concentration Rank 20

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.86 | 6.85 ng | 225738 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanepropanol-    | 142 | C9H18O  | 001124-63-6 | 64   |
| 2    |    | Cyclohexaneethanol      | 128 | C8H16O  | 004442-79-9 | 64   |
| 3    |    | 4-Methyl-1,3-pentadiene | 82  | C6H10   | 000926-56-7 | 38   |
| 4    |    | 3-Aminocrotononitrile   | 82  | C4H6N2  | 001118-61-2 | 38   |
| 5    |    | C2H5CH=CHCH=CH2         | 82  | C6H10   | 000592-48-3 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

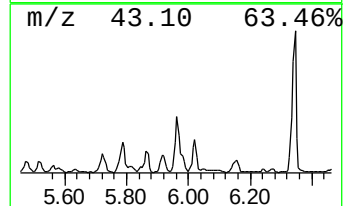
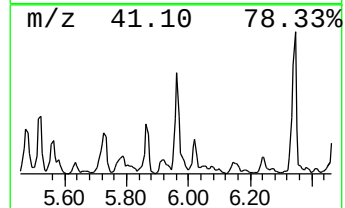
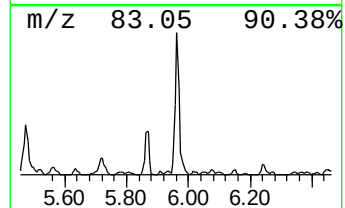
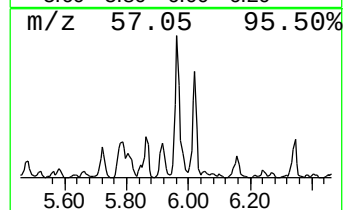
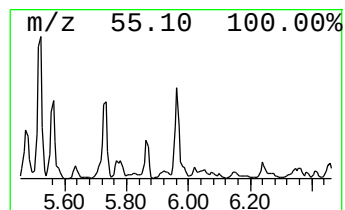
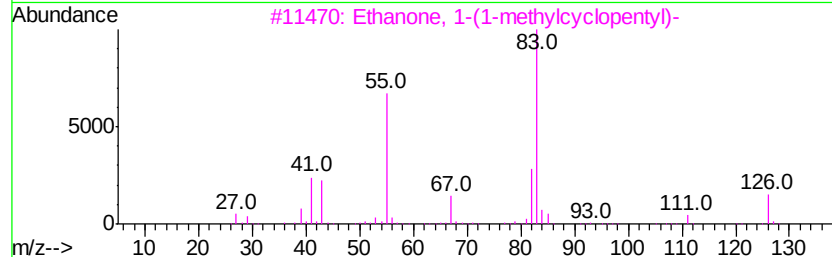
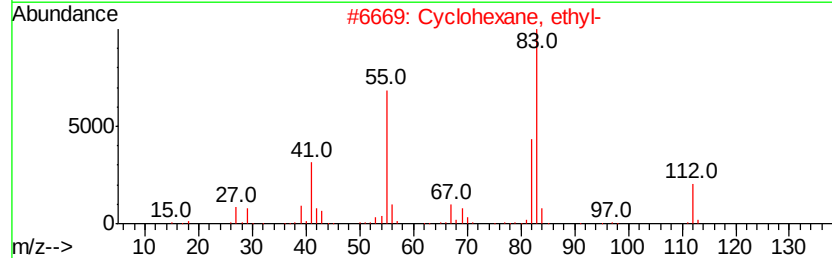
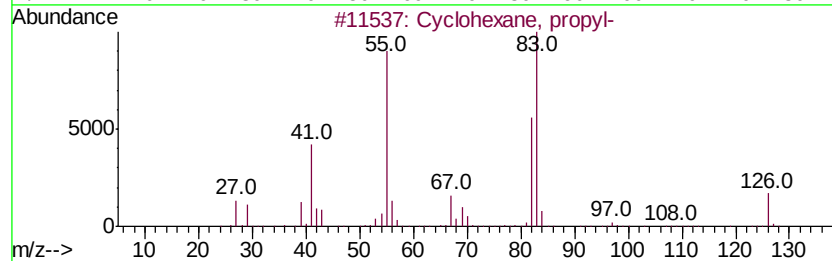
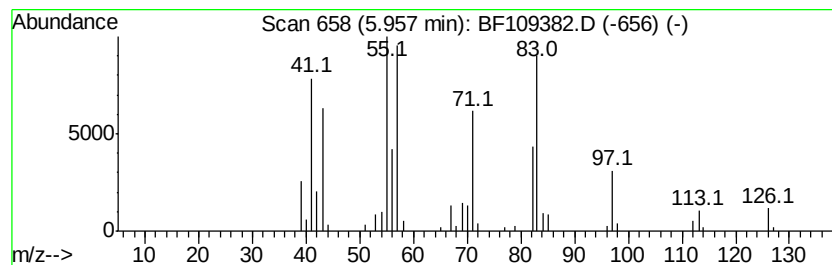
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Cyclohexane, propyl- Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.96 | 9.50 ng | 312830 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Cyclohexane, propyl-                | 126 | C9H18    | 001678-92-8 | 55   |
| 2    |    |   | Cyclohexane, ethyl-                 | 112 | C8H16    | 001678-91-7 | 43   |
| 3    |    |   | Ethanone, 1-(1-methylcyclopentyl)-  | 126 | C8H14O   | 013388-93-7 | 38   |
| 4    |    |   | Propanoic acid, 2,2-dimethyl-, c... | 184 | C11H20O2 | 029878-49-7 | 38   |
| 5    |    |   | Cyclohexane, 2-propenyl-            | 124 | C9H16    | 002114-42-3 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

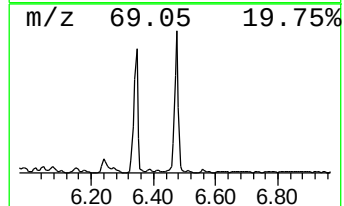
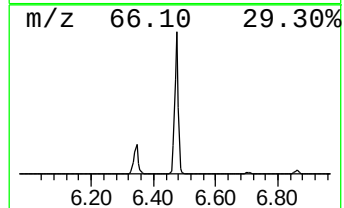
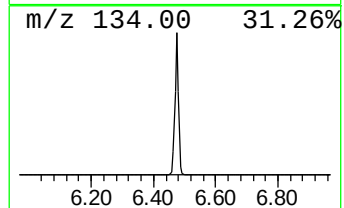
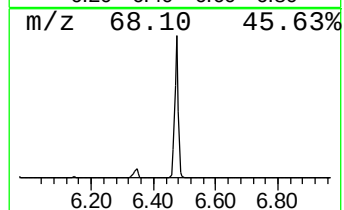
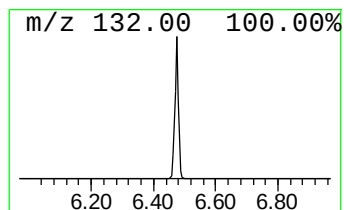
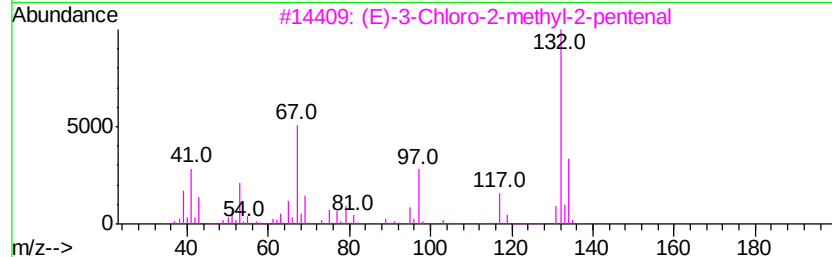
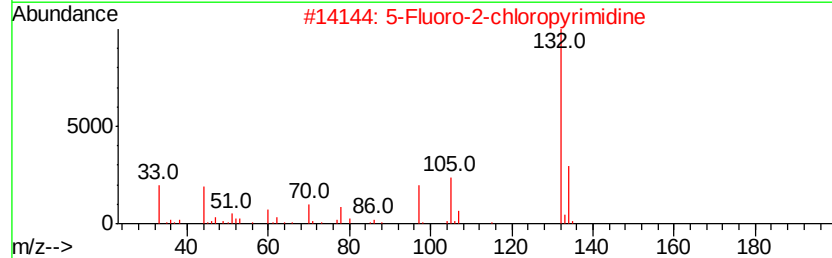
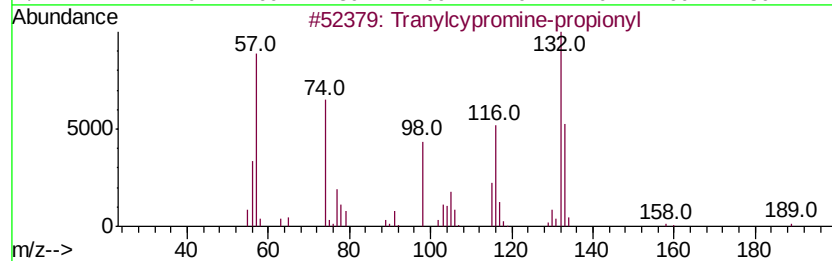
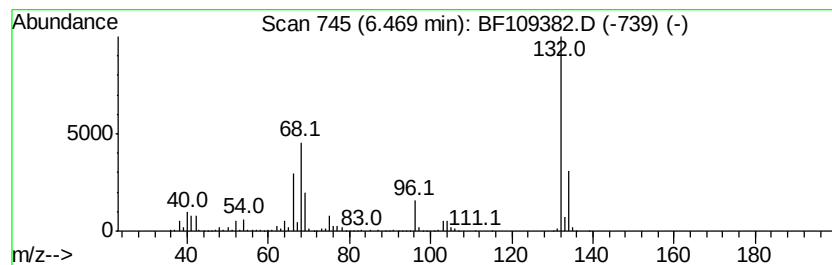
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown6.47 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.47 | 55.32 ng | 1822460 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Tranlylcypromine-propionyl       | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

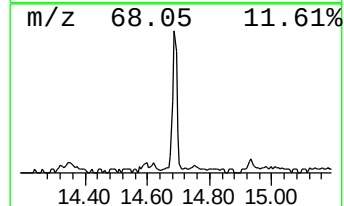
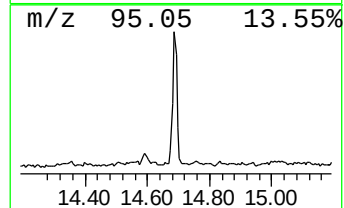
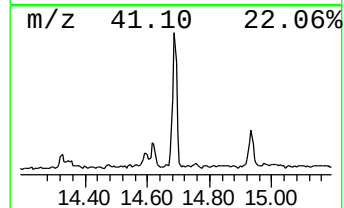
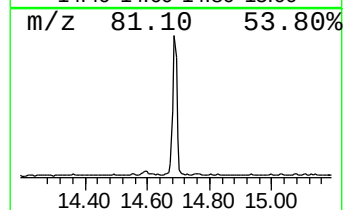
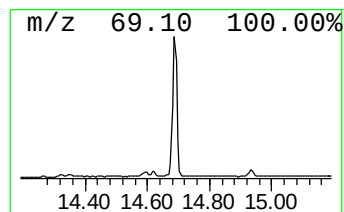
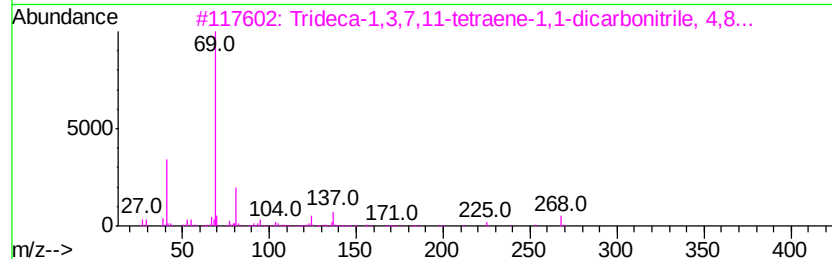
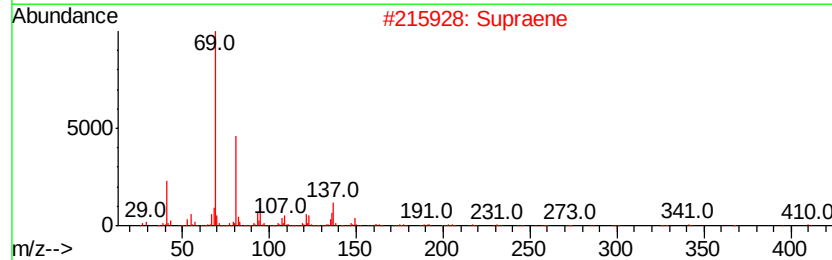
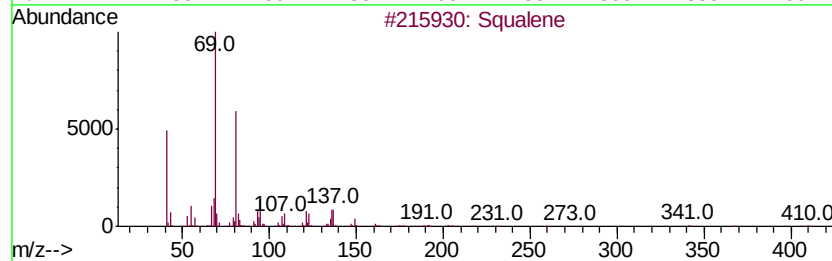
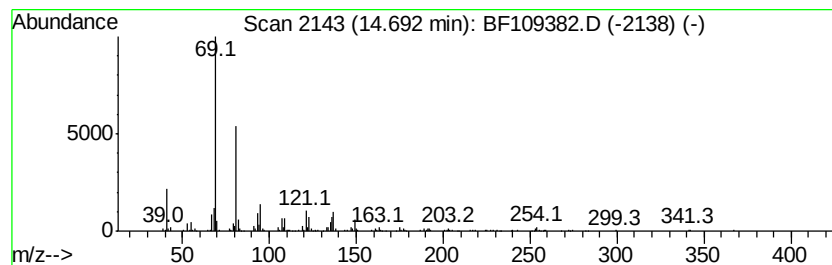
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Squalene Concentration Rank 13

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.69 | 11.23 ng | 423689 | Perylene-d12     | 15.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50   | 000111-02-4  | 91   |
| 2    |    | Supraene                            | 410 | C30H50   | 007683-64-9  | 91   |
| 3    |    | Trideca-1,3,7,11-tetraene-1,1-di... | 268 | C18H24N2 | 1000159-88-9 | 59   |
| 4    |    | 2,3,5-Trimethyl-2,3,5-hexanetric... | 203 | C12H17N3 | 003974-79-6  | 50   |
| 5    |    | 1,5-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18   | 035387-63-4  | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\  
Data File : BF109382.D  
Acq On : 27 Sep 2018 13:09  
Operator : JU/SJ  
Sample : J5081-19  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

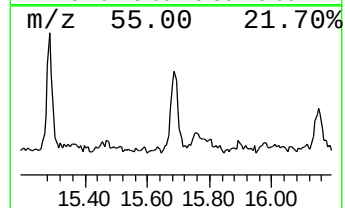
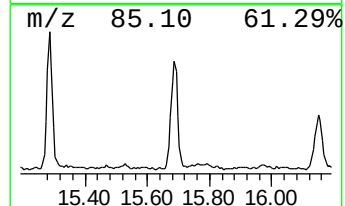
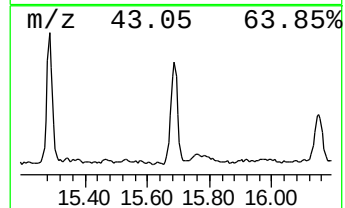
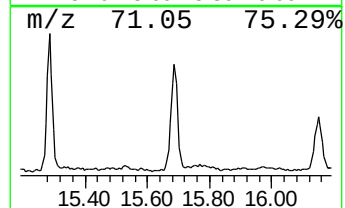
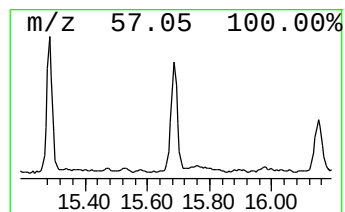
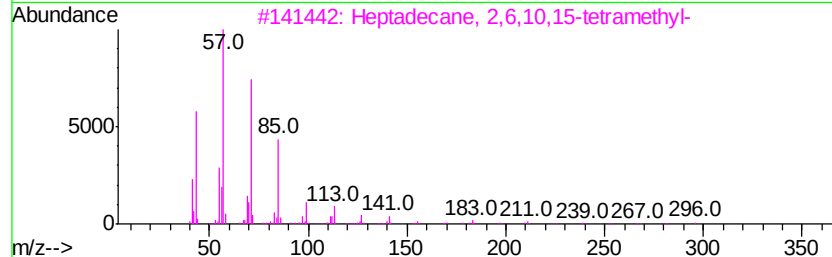
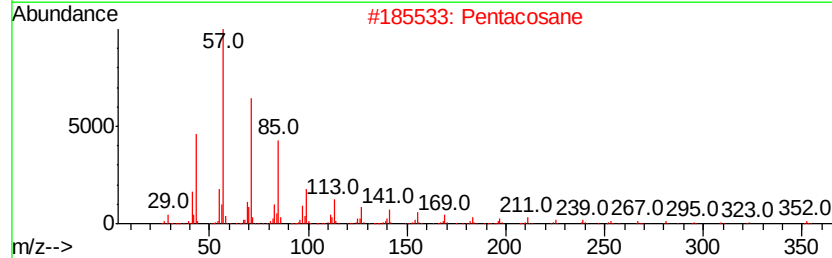
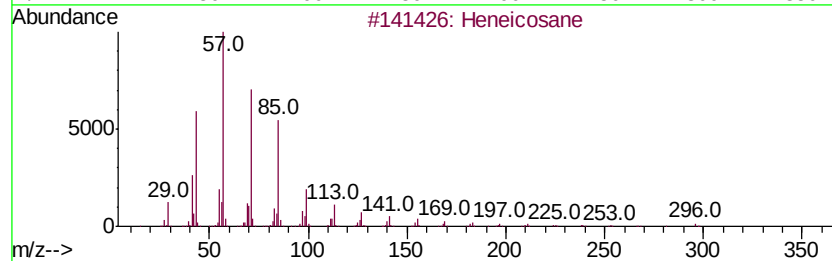
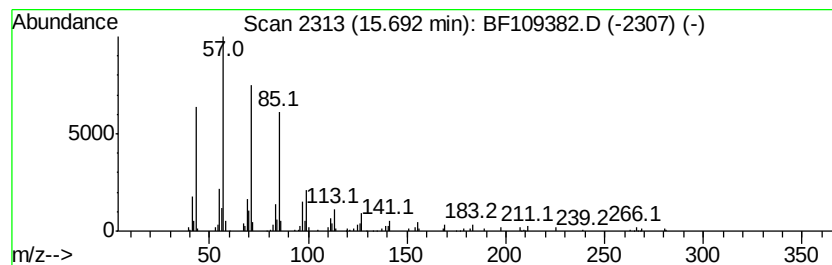
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Heneicosane Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.69 | 6.93 ng | 261159 | Perylene-d12     | 15.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 98   |
| 2    |    | Pentacosane                         | 352 | C25H52  | 000629-99-2 | 91   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 90   |
| 4    |    | Hexacosane                          | 366 | C26H54  | 000630-01-3 | 87   |
| 5    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 87   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092718\  
 Data File : BF109382.D  
 Acq On : 27 Sep 2018 13:09  
 Operator : JU/SJ  
 Sample : J5081-19  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.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 |
| Cyclohexane, 1,3-... | 3.97  | 63.5    | ng    | 2092080  | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,4-... | 4.02  | 24.8    | ng    | 818140   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,1-... | 4.12  | 14.3    | ng    | 472086   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclopentane, 1-e... | 4.19  | 11.4    | ng    | 376571   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,2-... | 4.32  | 41.5    | ng    | 1367330  | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,3-... | 4.43  | 18.5    | ng    | 609816   | 1                     | 6.70  | 658907 | 20.0 |
| Hexane, 2,2,4-tri... | 4.59  | 9.0     | ng    | 296659   | 1                     | 6.70  | 658907 | 20.0 |
| Heptane, 2,6-dime... | 4.76  | 29.6    | ng    | 976099   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,2-... | 4.79  | 7.4     | ng    | 243418   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, ethyl-  | 4.85  | 69.6    | ng    | 2292510  | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1,1,... | 4.90  | 25.8    | ng    | 851165   | 1                     | 6.70  | 658907 | 20.0 |
| unknown5.11          | 5.11  | 22.1    | ng    | 728177   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1-et... | 5.52  | 7.2     | ng    | 235905   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, 1-et... | 5.73  | 7.3     | ng    | 239561   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexanepropanol- | 5.86  | 6.8     | ng    | 225738   | 1                     | 6.70  | 658907 | 20.0 |
| Cyclohexane, propyl- | 5.96  | 9.5     | ng    | 312830   | 1                     | 6.70  | 658907 | 20.0 |
| unknown6.47          | 6.47  | 55.3    | ng    | 1822460  | 1                     | 6.70  | 658907 | 20.0 |
| Squalene             | 14.69 | 11.2    | ng    | 423689   | 6                     | 15.24 | 754235 | 20.0 |
| Heneicosane          | 15.69 | 6.9     | ng    | 261159   | 6                     | 15.24 | 754235 | 20.0 |