

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN111318\  
 Data File : BN003515.D  
 Acq On : 13 Nov 2018 17:11  
 Operator : MJ/SJ  
 Sample : J5925-07  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP-1D

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\_N\METHODS\8270-BN111218.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         | 5.416       | 403           | 413         | 424          | rBV      | 1838703        | 2722419       | 31.52%          | 1.193%        |
| 2         | 7.010       | 672           | 684         | 693          | rVV      | 1729842        | 3348876       | 38.77%          | 1.467%        |
| 3         | 7.381       | 740           | 747         | 760          | rVB      | 1953890        | 3406640       | 39.44%          | 1.493%        |
| 4         | 7.740       | 797           | 808         | 813          | rBV2     | 298271         | 735721        | 8.52%           | 0.322%        |
| 5         | 7.798       | 813           | 818         | 822          | rVV      | 626446         | 949062        | 10.99%          | 0.416%        |
| 6         | 8.169       | 875           | 881         | 887          | rVB      | 1507982        | 2396404       | 27.74%          | 1.050%        |
| 7         | 8.669       | 961           | 966         | 971          | rBV4     | 390979         | 780113        | 9.03%           | 0.342%        |
| 8         | 8.939       | 1007          | 1012        | 1019         | rVV4     | 1080881        | 2169030       | 25.11%          | 0.950%        |
| 9         | 9.022       | 1019          | 1026        | 1033         | rVV2     | 1638755        | 3148420       | 36.45%          | 1.379%        |
| 10        | 9.175       | 1048          | 1052        | 1058         | rVV6     | 504144         | 1179156       | 13.65%          | 0.517%        |
| 11        | 9.292       | 1061          | 1072        | 1078         | rVV5     | 514414         | 1525819       | 17.66%          | 0.669%        |
| 12        | 9.404       | 1082          | 1091        | 1096         | rVV9     | 282191         | 972946        | 11.26%          | 0.426%        |
| 13        | 9.463       | 1096          | 1101        | 1106         | rVV      | 1127922        | 1862202       | 21.56%          | 0.816%        |
| 14        | 9.557       | 1113          | 1117        | 1127         | rVB3     | 649820         | 1526150       | 17.67%          | 0.669%        |
| 15        | 9.722       | 1137          | 1145        | 1147         | rBV3     | 386666         | 804404        | 9.31%           | 0.352%        |
| 16        | 9.751       | 1147          | 1150        | 1155         | rVB2     | 635606         | 911643        | 10.55%          | 0.399%        |
| 17        | 9.816       | 1155          | 1161        | 1168         | rBV5     | 789890         | 1905900       | 22.06%          | 0.835%        |
| 18        | 10.039      | 1192          | 1199        | 1207         | rBV2     | 1207404        | 2819297       | 32.64%          | 1.235%        |
| 19        | 10.216      | 1221          | 1229        | 1236         | rBV7     | 532630         | 1404919       | 16.26%          | 0.616%        |
| 20        | 10.339      | 1243          | 1250        | 1256         | rBV2     | 756524         | 1567441       | 18.15%          | 0.687%        |
| 21        | 10.410      | 1257          | 1262        | 1266         | rBV      | 447835         | 732027        | 8.47%           | 0.321%        |
| 22        | 10.616      | 1289          | 1297        | 1300         | rBV2     | 671183         | 1617436       | 18.72%          | 0.709%        |
| 23        | 10.781      | 1315          | 1325        | 1330         | rVB2     | 2310343        | 5300498       | 61.36%          | 2.322%        |
| 24        | 10.845      | 1331          | 1336        | 1343         | rBV4     | 833749         | 1694002       | 19.61%          | 0.742%        |
| 25        | 11.004      | 1355          | 1363        | 1367         | rBV4     | 560463         | 1196473       | 13.85%          | 0.524%        |
| 26        | 11.057      | 1368          | 1372        | 1376         | rVV3     | 368299         | 680349        | 7.88%           | 0.298%        |
| 27        | 11.110      | 1376          | 1381        | 1388         | rVB3     | 1113712        | 2207513       | 25.56%          | 0.967%        |
| 28        | 11.298      | 1408          | 1413        | 1414         | rBV4     | 548625         | 824233        | 9.54%           | 0.361%        |
| 29        | 11.328      | 1415          | 1418        | 1427         | rVB5     | 1292606        | 2246032       | 26.00%          | 0.984%        |
| 30        | 11.410      | 1428          | 1432        | 1436         | rBV3     | 331630         | 529107        | 6.13%           | 0.232%        |
| 31        | 11.551      | 1450          | 1456        | 1462         | rVB3     | 1073394        | 2245545       | 26.00%          | 0.984%        |
| 32        | 11.651      | 1468          | 1473        | 1476         | rBV      | 2400009        | 3601518       | 41.69%          | 1.578%        |
| 33        | 11.686      | 1476          | 1479        | 1483         | rVV3     | 630489         | 918416        | 10.63%          | 0.402%        |
| 34        | 11.739      | 1484          | 1488        | 1494         | rVB2     | 774319         | 1564852       | 18.12%          | 0.686%        |

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 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP-1D

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\_N\METHODS\8270-BN111218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.833 | 1499 | 1504 | 1510 | rBV3 | 1229179 | 2196221 | 25.43% | 0.962% |
| 36 | 11.910 | 1511 | 1517 | 1522 | rBV5 | 525371  | 1258392 | 14.57% | 0.551% |
| 37 | 12.033 | 1534 | 1538 | 1543 | rBV3 | 425651  | 971434  | 11.25% | 0.426% |
| 38 | 12.263 | 1570 | 1577 | 1581 | rBV6 | 1172432 | 2392825 | 27.70% | 1.048% |
| 39 | 12.316 | 1581 | 1586 | 1591 | rVB  | 2721111 | 4365577 | 50.54% | 1.913% |
| 40 | 12.451 | 1605 | 1609 | 1612 | rBV5 | 464801  | 789592  | 9.14%  | 0.346% |
| 41 | 12.533 | 1619 | 1623 | 1632 | rVB3 | 2161585 | 4507906 | 52.19% | 1.975% |
| 42 | 12.751 | 1655 | 1660 | 1667 | rVB4 | 1069870 | 2164517 | 25.06% | 0.948% |
| 43 | 12.828 | 1668 | 1673 | 1677 | rBV4 | 557462  | 1124560 | 13.02% | 0.493% |
| 44 | 12.869 | 1677 | 1680 | 1684 | rBV4 | 393334  | 569232  | 6.59%  | 0.249% |
| 45 | 13.004 | 1698 | 1703 | 1711 | rVB2 | 3168290 | 5269287 | 61.00% | 2.309% |
| 46 | 13.110 | 1717 | 1721 | 1730 | rVB  | 2584727 | 3950279 | 45.73% | 1.731% |
| 47 | 13.263 | 1742 | 1747 | 1753 | rBV4 | 1089924 | 2651594 | 30.70% | 1.162% |
| 48 | 13.316 | 1753 | 1756 | 1761 | rVB3 | 788853  | 1130774 | 13.09% | 0.495% |
| 49 | 13.386 | 1761 | 1768 | 1770 | rBV5 | 745967  | 1662507 | 19.25% | 0.728% |
| 50 | 13.522 | 1787 | 1791 | 1798 | rVB  | 1300204 | 2974500 | 34.44% | 1.303% |
| 51 | 13.651 | 1809 | 1813 | 1815 | rBV2 | 2165902 | 3330283 | 38.55% | 1.459% |
| 52 | 13.763 | 1829 | 1832 | 1834 | rBV3 | 543001  | 754886  | 8.74%  | 0.331% |
| 53 | 13.816 | 1835 | 1841 | 1846 | rVV  | 3668510 | 7155016 | 82.83% | 3.135% |
| 54 | 13.869 | 1846 | 1850 | 1854 | rVV  | 3023497 | 4601022 | 53.27% | 2.016% |
| 55 | 13.904 | 1854 | 1856 | 1860 | rVB3 | 1458385 | 1532868 | 17.75% | 0.672% |
| 56 | 13.951 | 1860 | 1864 | 1869 | rVB2 | 4004126 | 6053239 | 70.08% | 2.652% |
| 57 | 14.004 | 1870 | 1873 | 1877 | rBV4 | 573113  | 727753  | 8.43%  | 0.319% |
| 58 | 14.051 | 1877 | 1881 | 1885 | rBV  | 1689440 | 2615620 | 30.28% | 1.146% |
| 59 | 14.122 | 1890 | 1893 | 1897 | rBV5 | 555830  | 823146  | 9.53%  | 0.361% |
| 60 | 14.216 | 1905 | 1909 | 1915 | rBV2 | 1599174 | 2751384 | 31.85% | 1.205% |
| 61 | 14.310 | 1921 | 1925 | 1930 | rVB3 | 1661557 | 2527848 | 29.26% | 1.108% |
| 62 | 14.451 | 1943 | 1949 | 1952 | rBV5 | 1211141 | 2838012 | 32.86% | 1.243% |
| 63 | 14.539 | 1961 | 1964 | 1966 | rBV  | 645126  | 811486  | 9.39%  | 0.356% |
| 64 | 14.574 | 1967 | 1970 | 1973 | rVB2 | 1167605 | 1465325 | 16.96% | 0.642% |
| 65 | 14.698 | 1986 | 1991 | 1999 | rVB  | 2300644 | 5272849 | 61.04% | 2.310% |
| 66 | 14.780 | 2001 | 2005 | 2008 | rBV2 | 870331  | 1478750 | 17.12% | 0.648% |
| 67 | 14.886 | 2017 | 2023 | 2031 | rVB3 | 2865022 | 6122010 | 70.87% | 2.682% |
| 68 | 14.963 | 2032 | 2036 | 2040 | rBV  | 2544266 | 3789363 | 43.87% | 1.660% |
| 69 | 15.104 | 2055 | 2060 | 2065 | rBV  | 2389714 | 4620008 | 53.49% | 2.024% |
| 70 | 15.157 | 2066 | 2069 | 2073 | rVV  | 2129307 | 3065433 | 35.49% | 1.343% |
| 71 | 15.204 | 2073 | 2077 | 2082 | rVV4 | 938022  | 1539041 | 17.82% | 0.674% |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP-1D

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\_N\METHODS\8270-BN111218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 15.274 | 2082 | 2089 | 2092 | rVV3 | 1859855 | 4065876 | 47.07%  | 1.781% |
| 73  | 15.310 | 2092 | 2095 | 2101 | rVV2 | 1317345 | 1854935 | 21.47%  | 0.813% |
| 74  | 15.369 | 2102 | 2105 | 2109 | rVB3 | 584467  | 949252  | 10.99%  | 0.416% |
| 75  | 15.527 | 2125 | 2132 | 2136 | rBV4 | 1575752 | 3195590 | 37.00%  | 1.400% |
| 76  | 15.669 | 2153 | 2156 | 2158 | rBV  | 586868  | 780383  | 9.03%   | 0.342% |
| 77  | 15.721 | 2159 | 2165 | 2174 | rVB2 | 3180204 | 7875802 | 91.18%  | 3.451% |
| 78  | 15.939 | 2199 | 2202 | 2205 | rVB4 | 665647  | 801391  | 9.28%   | 0.351% |
| 79  | 15.980 | 2205 | 2209 | 2214 | rBV  | 2427785 | 3318260 | 38.42%  | 1.454% |
| 80  | 16.204 | 2242 | 2247 | 2252 | rVB  | 5160173 | 8637852 | 100.00% | 3.785% |
| 81  | 16.339 | 2267 | 2270 | 2274 | rVB  | 1047614 | 1374700 | 15.91%  | 0.602% |
| 82  | 16.592 | 2310 | 2313 | 2318 | rVB4 | 1176949 | 1797299 | 20.81%  | 0.787% |
| 83  | 16.751 | 2336 | 2340 | 2342 | rBV3 | 525951  | 936942  | 10.85%  | 0.411% |
| 84  | 17.021 | 2380 | 2386 | 2390 | rBV  | 3102137 | 5182241 | 59.99%  | 2.271% |
| 85  | 17.233 | 2419 | 2422 | 2426 | rVV2 | 635503  | 750829  | 8.69%   | 0.329% |
| 86  | 17.280 | 2426 | 2430 | 2434 | rVB  | 983146  | 1392926 | 16.13%  | 0.610% |
| 87  | 17.627 | 2484 | 2489 | 2495 | rBV5 | 1060813 | 2014683 | 23.32%  | 0.883% |
| 88  | 18.104 | 2566 | 2570 | 2574 | rBV  | 1556051 | 2330987 | 26.99%  | 1.021% |
| 89  | 18.151 | 2575 | 2578 | 2583 | rVB  | 1422618 | 2082900 | 24.11%  | 0.913% |
| 90  | 18.286 | 2598 | 2601 | 2606 | rVV2 | 653680  | 1136891 | 13.16%  | 0.498% |
| 91  | 18.339 | 2607 | 2610 | 2619 | rVB2 | 872751  | 1318847 | 15.27%  | 0.578% |
| 92  | 18.845 | 2693 | 2696 | 2701 | rVB  | 795612  | 1041890 | 12.06%  | 0.456% |
| 93  | 18.898 | 2702 | 2705 | 2709 | rBV  | 562397  | 660235  | 7.64%   | 0.289% |
| 94  | 19.021 | 2721 | 2726 | 2730 | rBV  | 1114957 | 1654572 | 19.15%  | 0.725% |
| 95  | 19.657 | 2830 | 2834 | 2840 | rVB2 | 442303  | 729164  | 8.44%   | 0.319% |
| 96  | 19.715 | 2840 | 2844 | 2849 | rVB  | 470535  | 714292  | 8.27%   | 0.313% |
| 97  | 19.845 | 2861 | 2866 | 2871 | rBV  | 4294134 | 5509922 | 63.79%  | 2.414% |
| 98  | 21.092 | 3075 | 3078 | 3093 | rVB  | 336861  | 545582  | 6.32%   | 0.239% |
| 99  | 21.404 | 3126 | 3131 | 3142 | rVB  | 903530  | 1199871 | 13.89%  | 0.526% |
| 100 | 23.715 | 3517 | 3524 | 3533 | rVB2 | 533957  | 1032728 | 11.96%  | 0.452% |

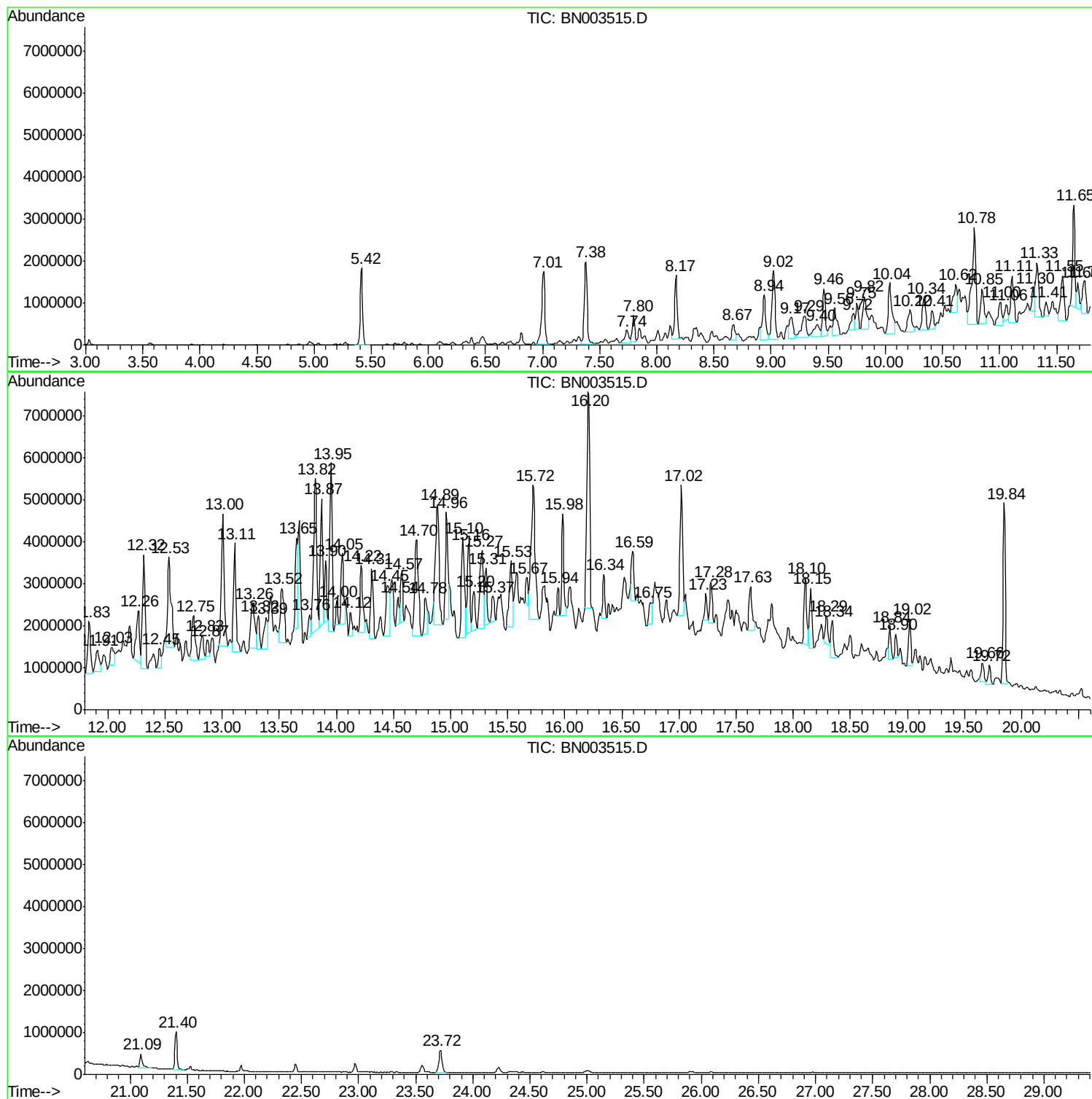
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
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Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

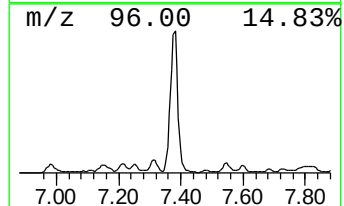
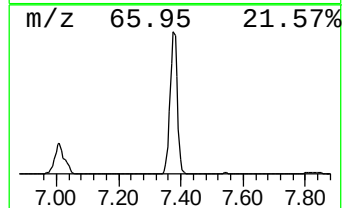
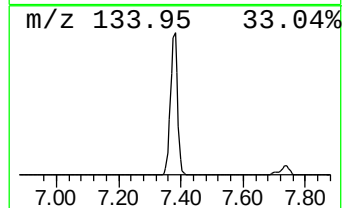
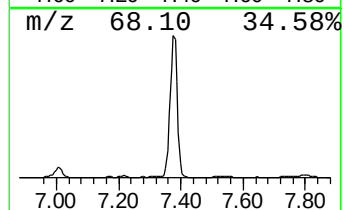
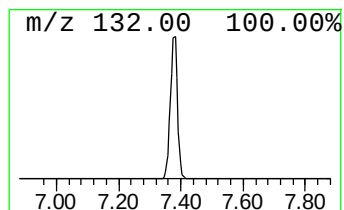
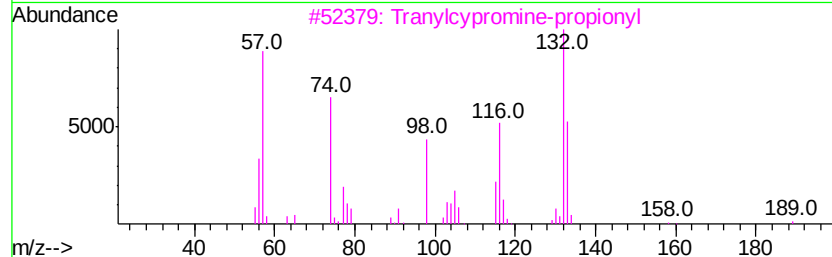
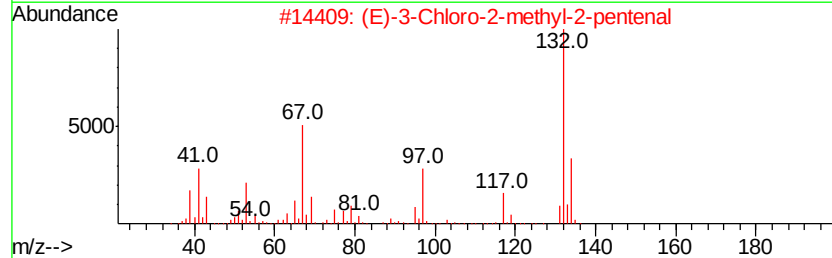
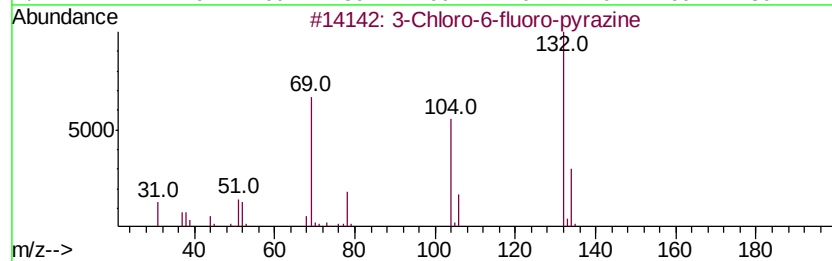
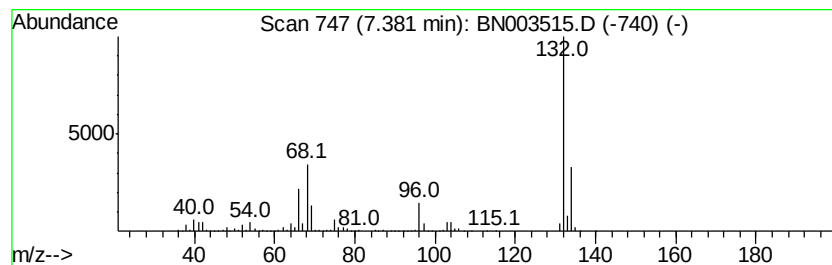
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown7.38 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.38 | 71.79 ng | 3406640 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Tranvlcyproline-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

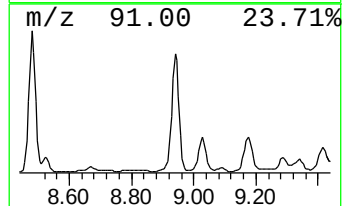
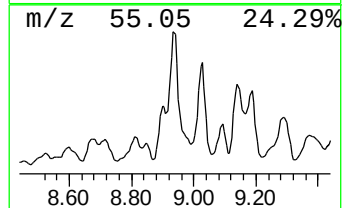
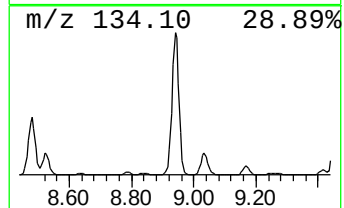
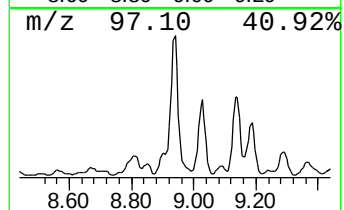
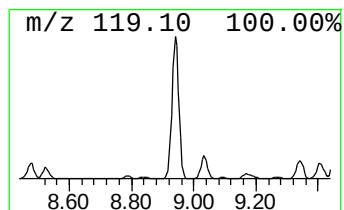
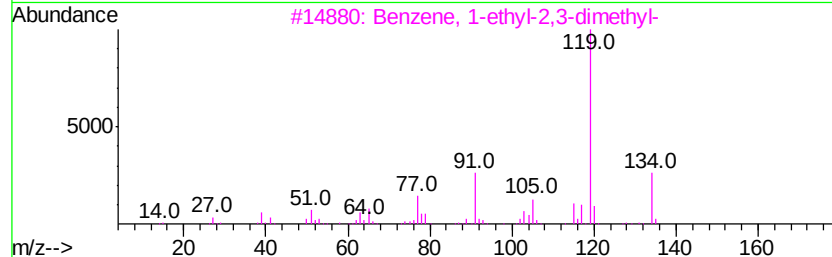
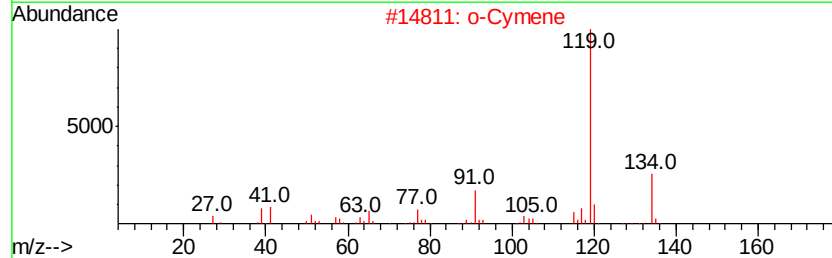
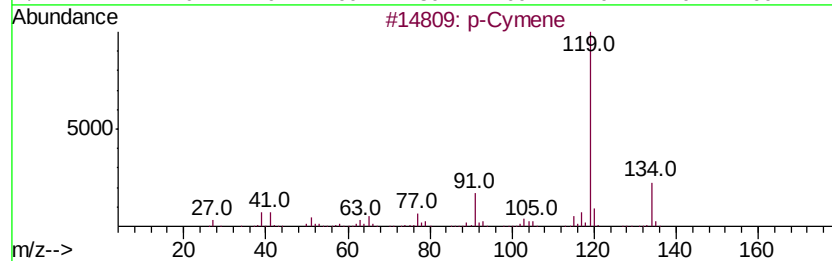
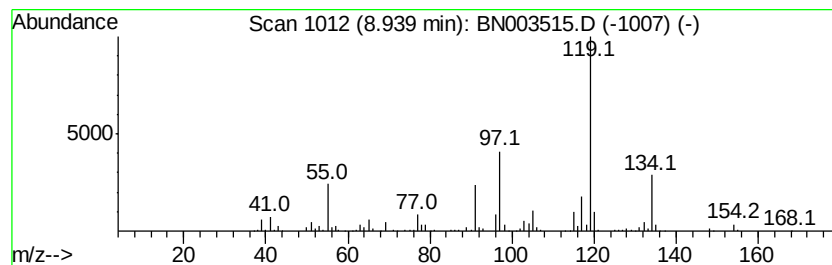
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 p-Cymene Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.94 | 45.71 ng | 2169030 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 93   |
| 2    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 89   |
| 4    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 76   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

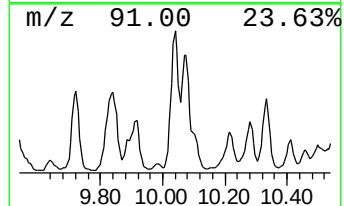
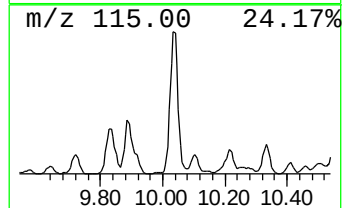
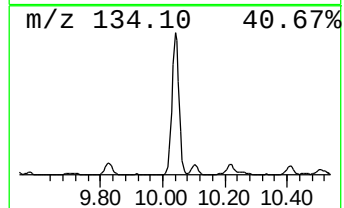
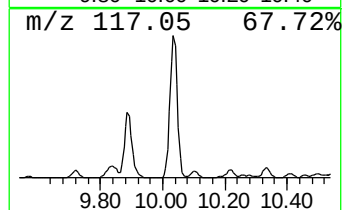
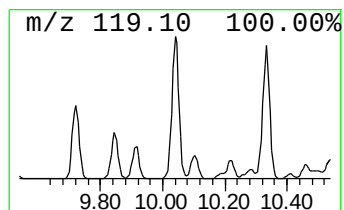
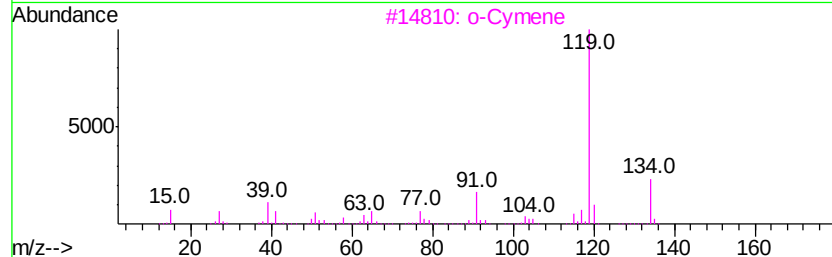
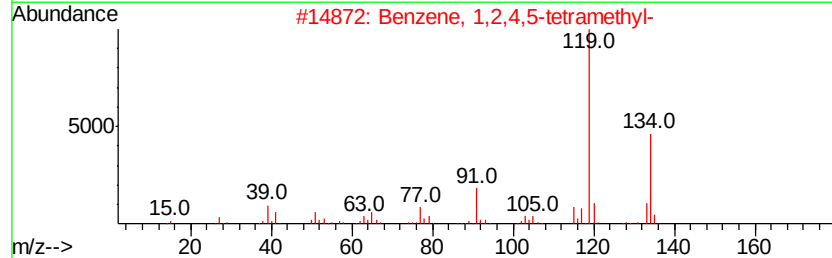
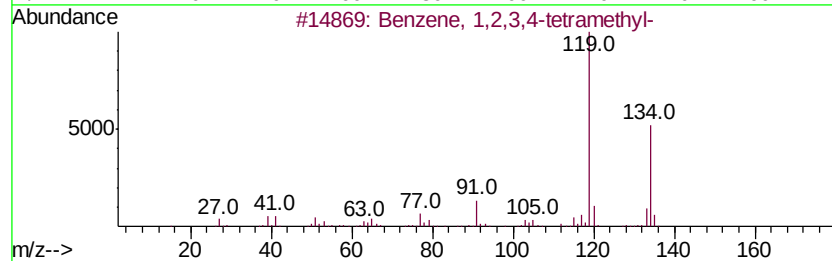
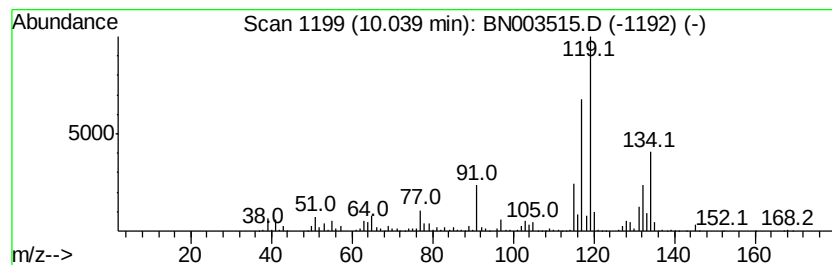
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.04 | 34.86 ng | 2819300 | Naphthalene-d8   | 10.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 64   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 64   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 60   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 60   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 60   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

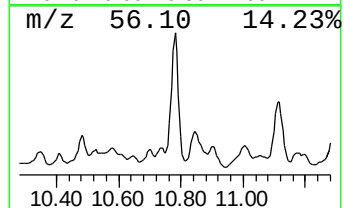
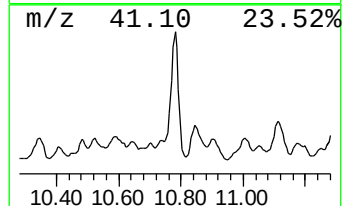
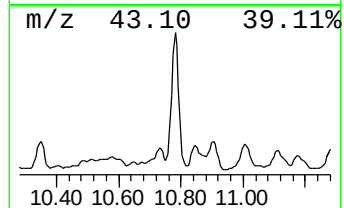
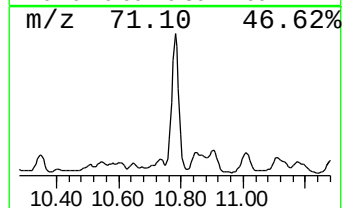
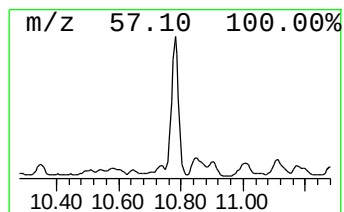
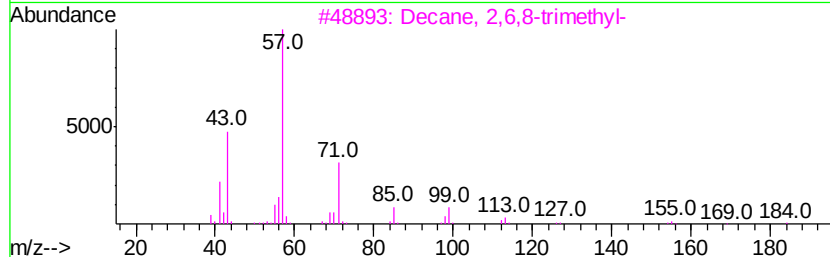
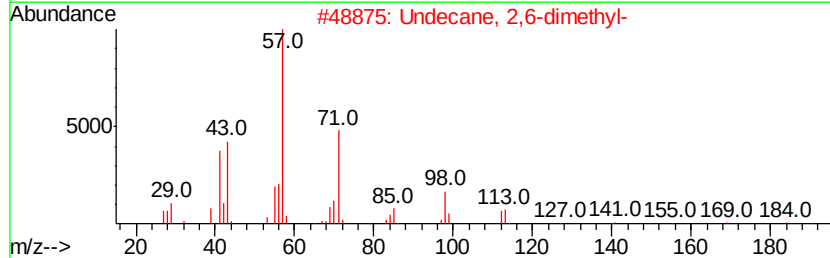
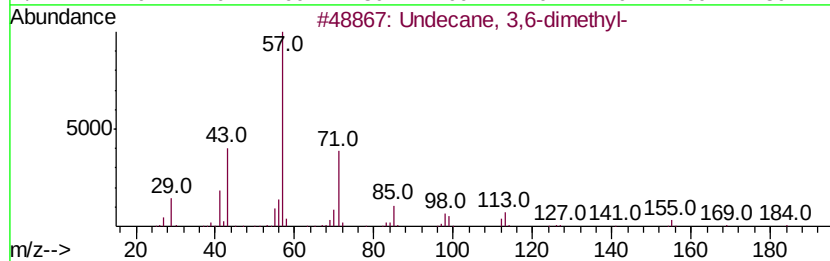
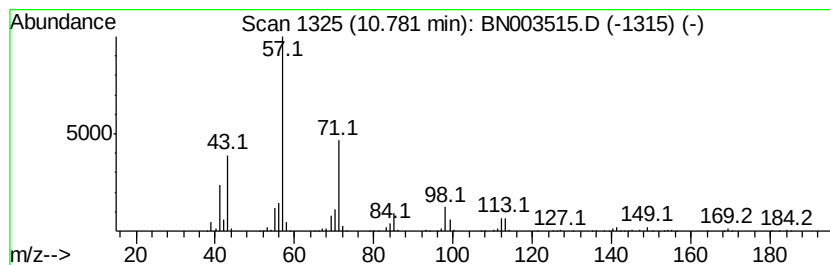
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Undecane, 3,6-dimethyl- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.78 | 65.54 ng | 5300500 | Napthalene-d8    | 10.65 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Undecane, 3,6-dimethyl-  |              | 184 | C13H28  | 017301-28-9 | 90   |
| 2       | Undecane, 2,6-dimethyl-  |              | 184 | C13H28  | 017301-23-4 | 83   |
| 3       | Decane, 2,6,8-trimethyl- |              | 184 | C13H28  | 062108-26-3 | 83   |
| 4       | Dodecane, 6-methyl-      |              | 184 | C13H28  | 006044-71-9 | 81   |
| 5       | Undecane, 3,5-dimethyl-  |              | 184 | C13H28  | 017312-81-1 | 72   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

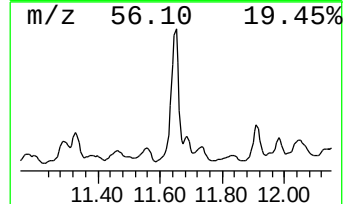
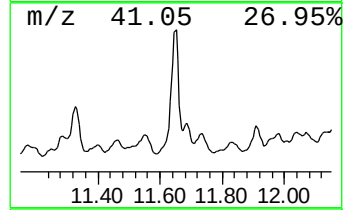
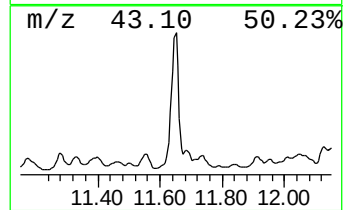
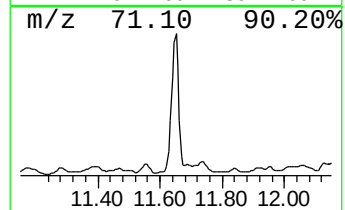
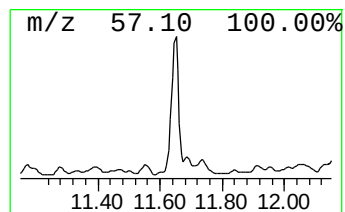
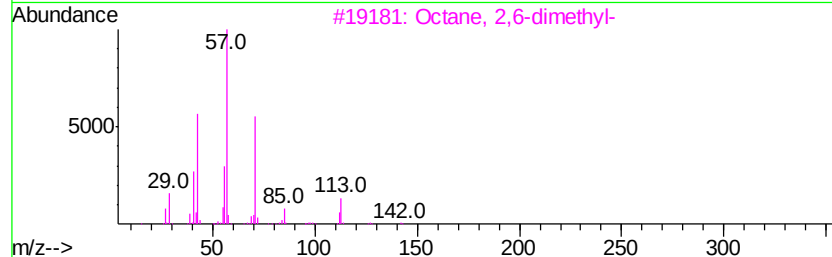
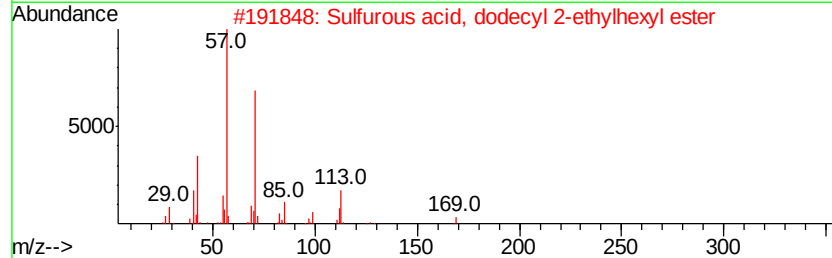
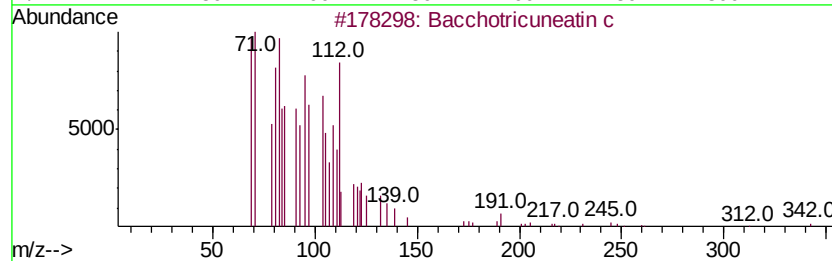
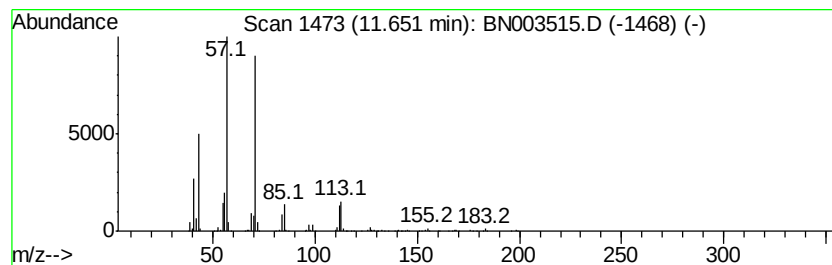
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Bacchotricuneatin c Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.65 | 44.53 ng | 3601520 | Napthalene-d8    | 10.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 80   |
| 2    |    | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 72   |
| 3    |    | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 72   |
| 4    |    | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4  | 1000309-38-4 | 64   |
| 5    |    | Oxalic acid, butyl 2-ethylhexyl ... | 258 | C14H26O4  | 1000309-38-6 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

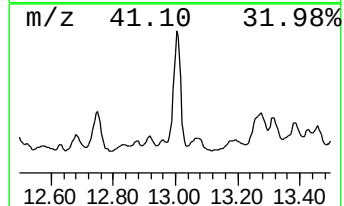
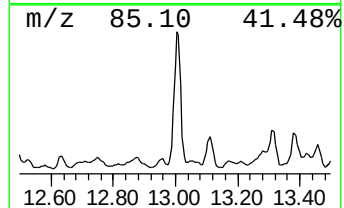
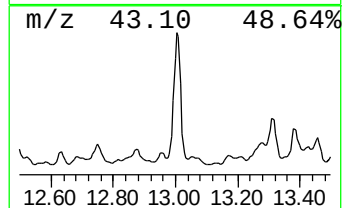
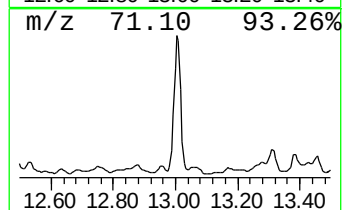
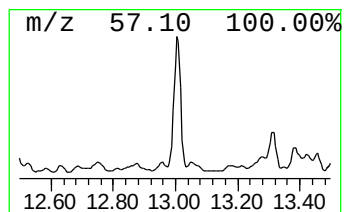
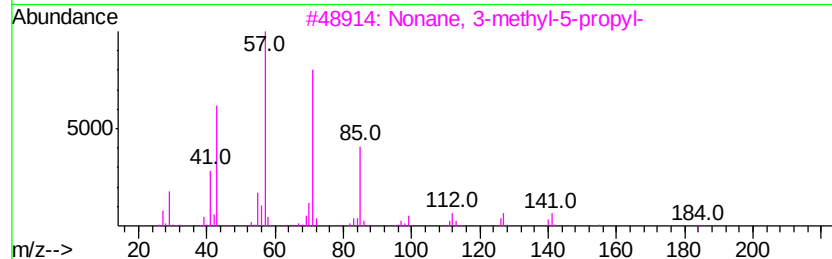
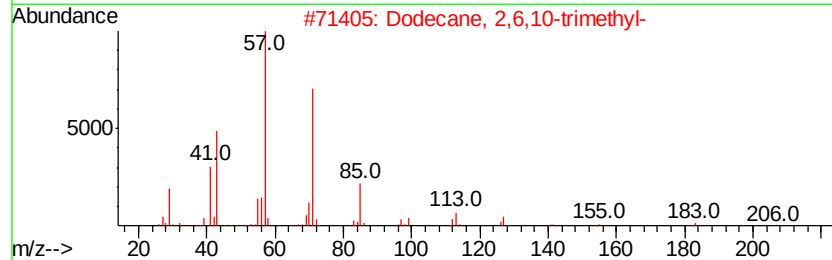
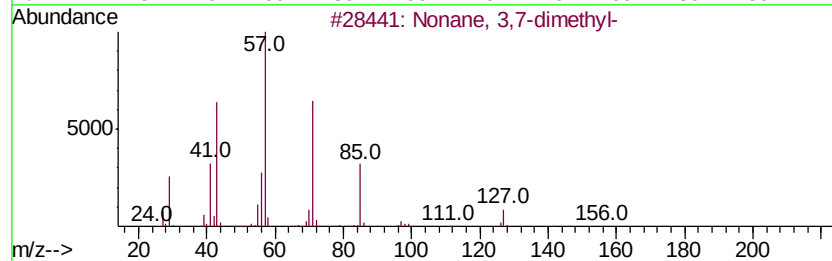
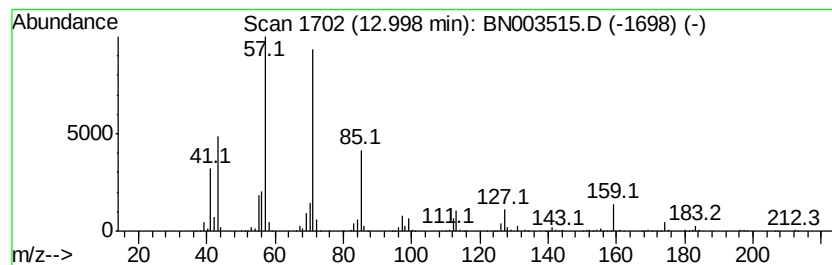
Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.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 Nonane, 3,7-dimethyl- Concentration Rank 17

| R.T.    | EstConc                     | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------------|--------------|------------------|-----------|
| 13.00   | 37.13 ng                    | 5269290      | Acenaphthene-d10 | 14.49     |
| Hit# of | 5                           | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Nonane, 3,7-dimethyl-       | 156 C11H24   | 017302-32-8      | 76        |
| 2       | Dodecane, 2,6,10-trimethyl- | 212 C15H32   | 003891-98-3      | 72        |
| 3       | Nonane, 3-methyl-5-propyl-  | 184 C13H28   | 031081-18-2      | 72        |
| 4       | Dodecane, 2,7,10-trimethyl- | 212 C15H32   | 074645-98-0      | 72        |
| 5       | Dodecane, 2,6,11-trimethyl- | 212 C15H32   | 031295-56-4      | 64        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

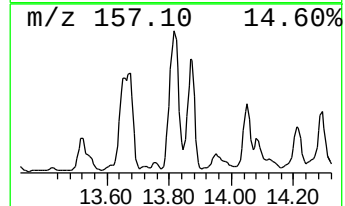
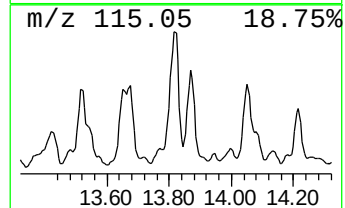
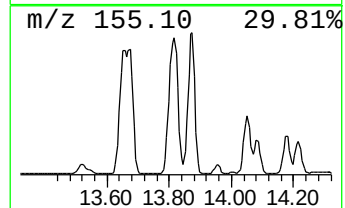
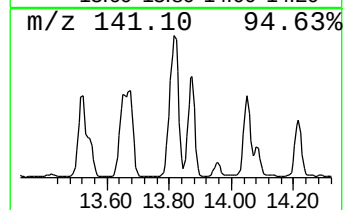
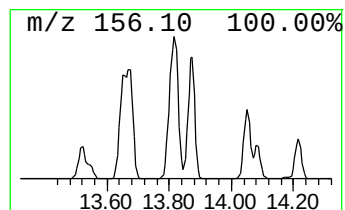
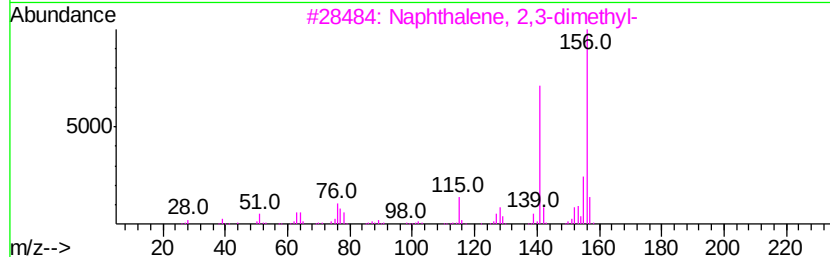
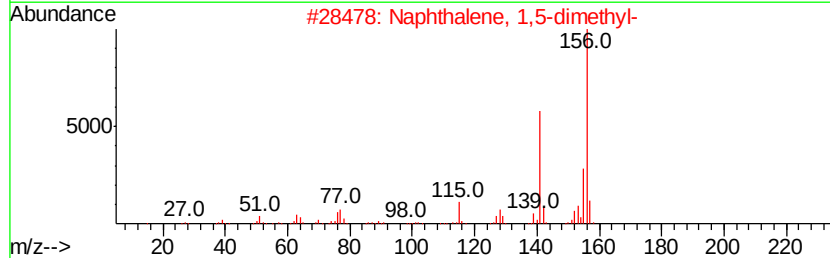
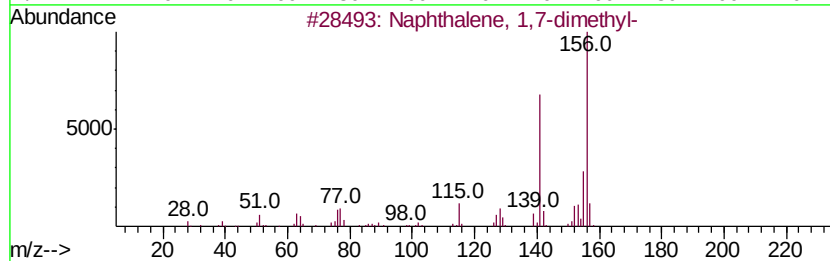
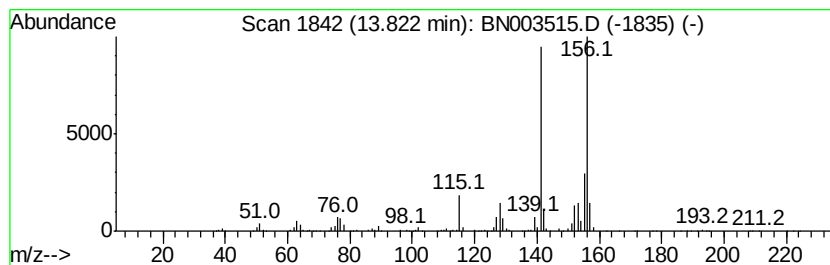
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.82 | 50.42 ng | 7155020 | Acenaphthene-d10 | 14.49 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

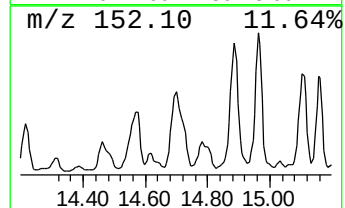
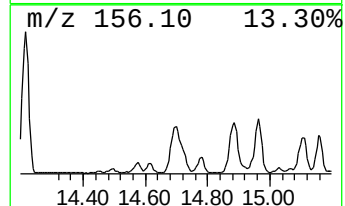
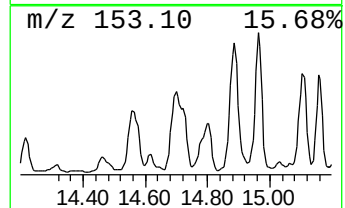
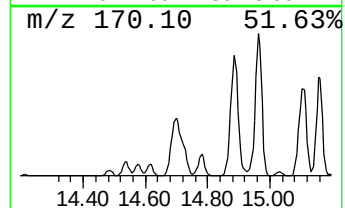
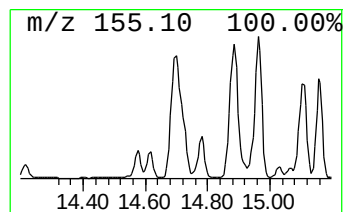
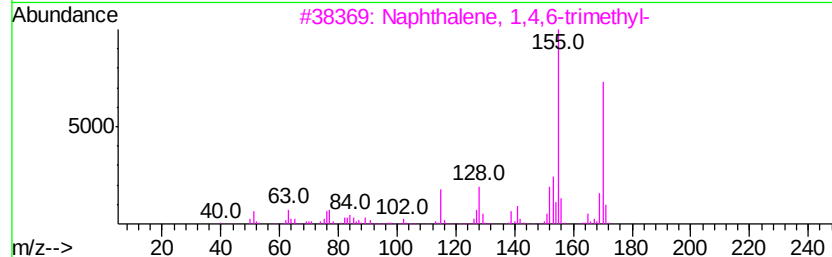
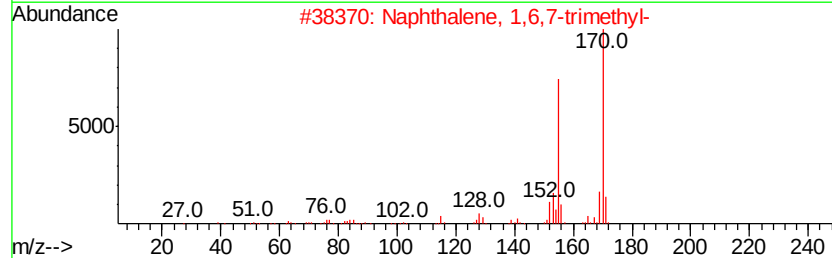
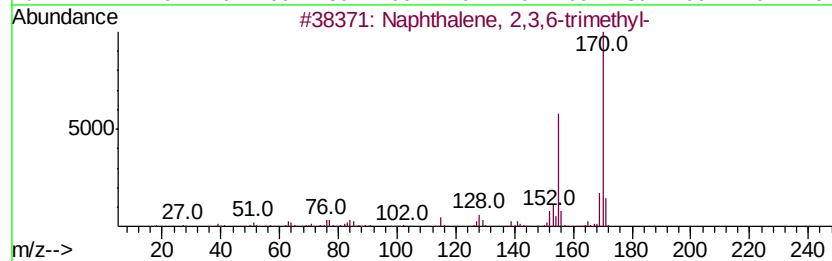
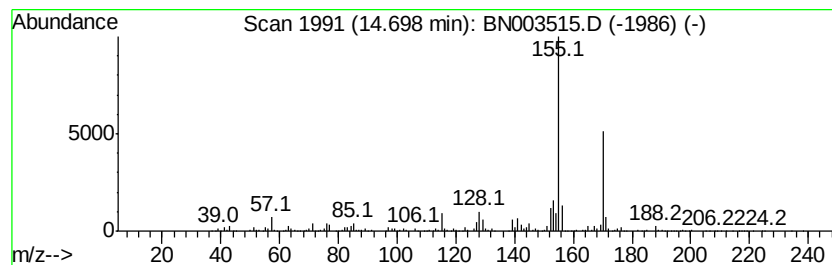
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.70 | 37.16 ng | 5272850 | Acenaphthene-d10 | 14.49 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 94   |
| 2    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 94   |
| 3    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 93   |
| 4    |    | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14  | 002027-17-0  | 91   |
| 5    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

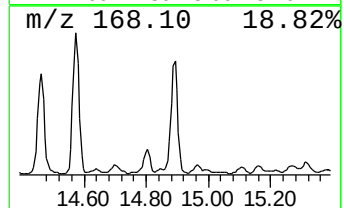
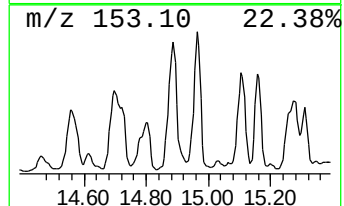
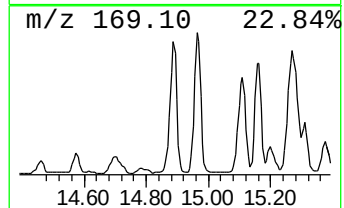
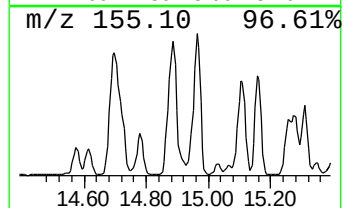
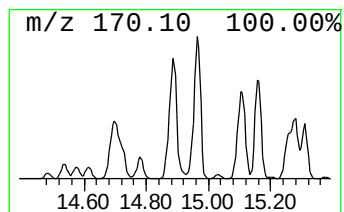
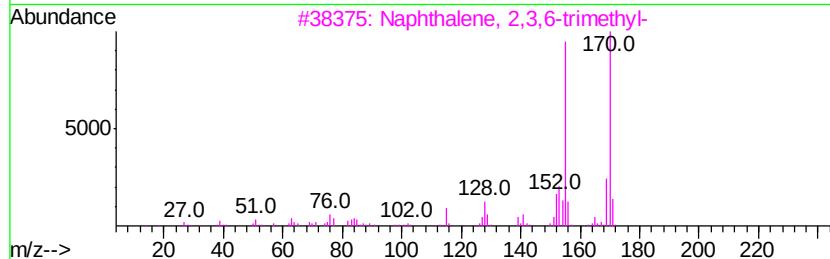
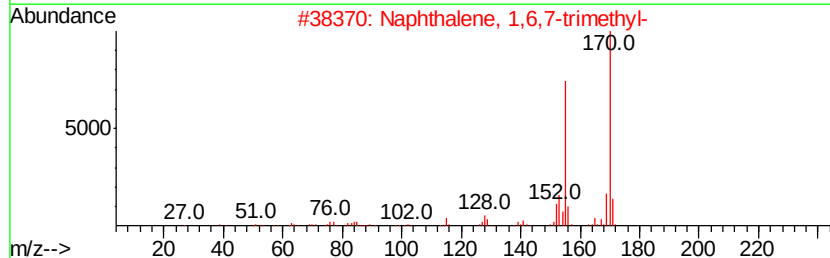
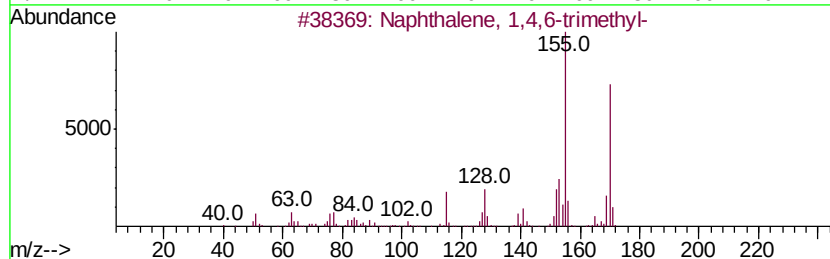
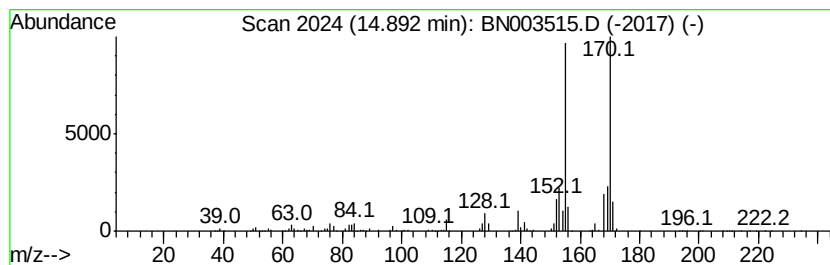
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ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.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 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

| R.T.    | EstConc  | Area                          | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------|------------------|----------------|
| 14.89   | 43.14 ng | 6122010                       | Acenaphthene-d10 | 14.49          |
| Hit# of | 5        | Tentative ID                  | MW MolForm       | CAS# Qual      |
| 1       |          | Naphthalene, 1,4,6-trimethyl- | 170 C13H14       | 002131-42-2 96 |
| 2       |          | Naphthalene, 1,6,7-trimethyl- | 170 C13H14       | 002245-38-7 94 |
| 3       |          | Naphthalene, 2,3,6-trimethyl- | 170 C13H14       | 000829-26-5 94 |
| 4       |          | Naphthalene, 1,4,5-trimethyl- | 170 C13H14       | 002131-41-1 91 |
| 5       |          | 4,6,8-Trimethylazulene        | 170 C13H14       | 000941-81-1 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

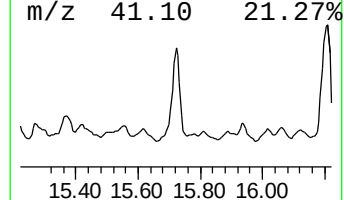
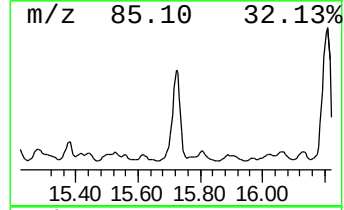
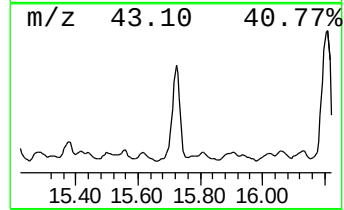
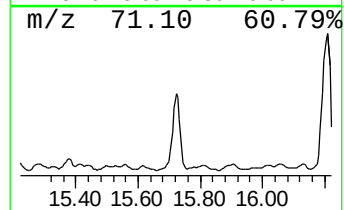
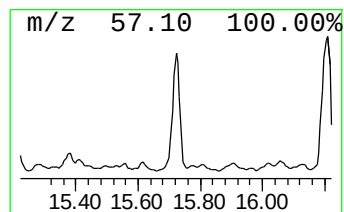
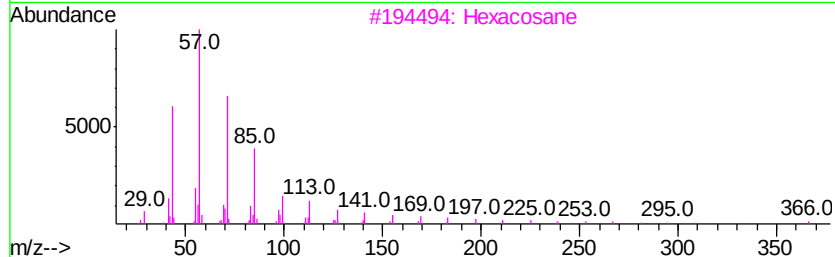
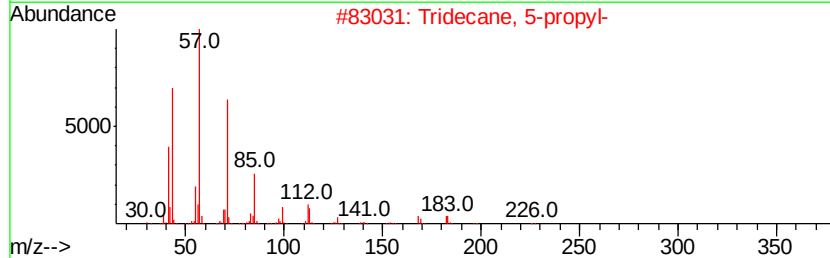
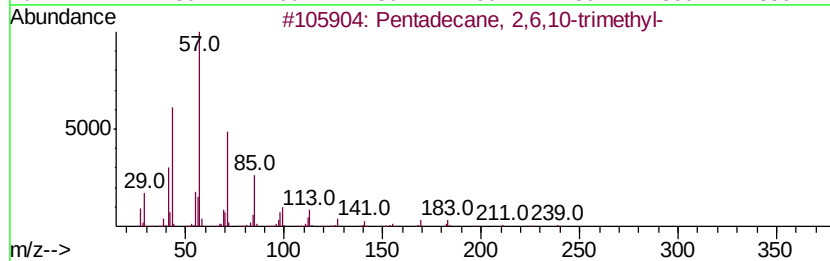
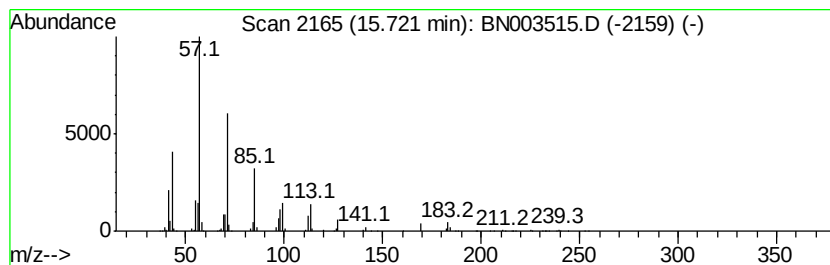
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.72 | 55.50 ng | 7875800 | Acenaphthene-d10 | 14.49 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------------|-----|---------|-------------|------|
| 1       |   | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 94   |
| 2       |   | Tridecane, 5-propyl-           | 226 | C16H34  | 055045-11-9 | 90   |
| 3       |   | Hexacosane                     | 366 | C26H54  | 000630-01-3 | 90   |
| 4       |   | 3,5-Dimethyldodecane           | 198 | C14H30  | 107770-99-0 | 83   |
| 5       |   | Hexadecane, 3-methyl-          | 240 | C17H36  | 006418-43-5 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

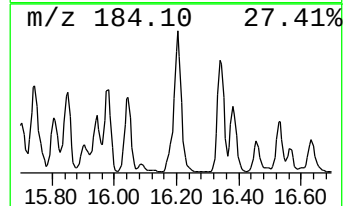
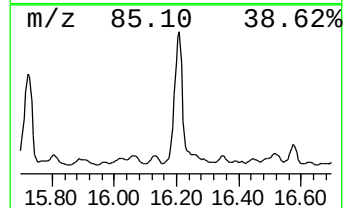
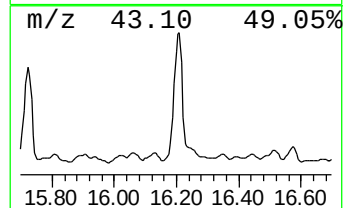
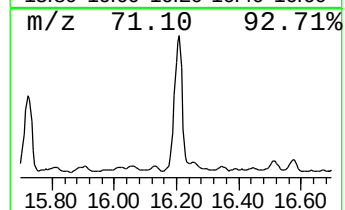
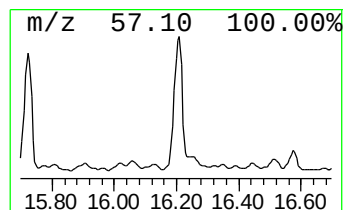
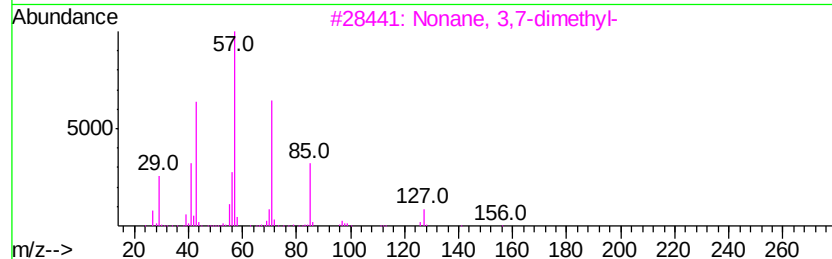
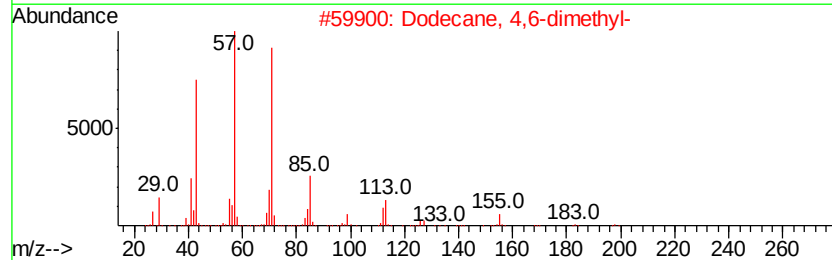
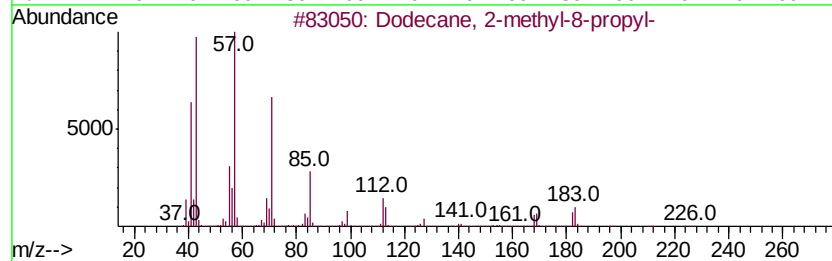
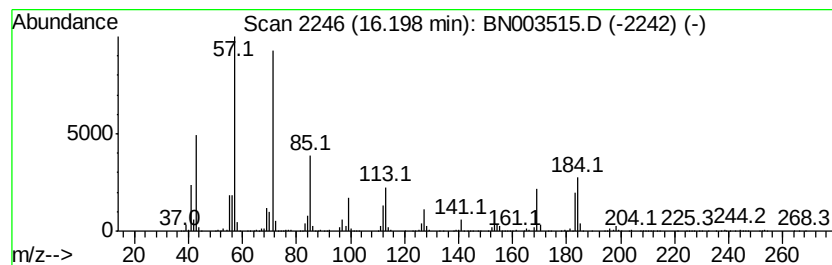
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Dodecane, 2-methyl-8-propyl- Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 16.20 | 230.09 ng | 8637850 | Phenanthrene-d10 | 17.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2-methyl-8-propyl-        | 226 | C16H34  | 055045-07-3 | 68   |
| 2    |    | Dodecane, 4,6-dimethyl-             | 198 | C14H30  | 061141-72-8 | 62   |
| 3    |    | Nonane, 3,7-dimethyl-               | 156 | C11H24  | 017302-32-8 | 60   |
| 4    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 58   |
| 5    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 58   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

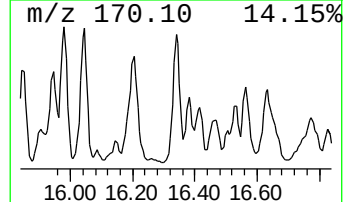
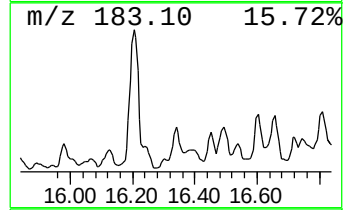
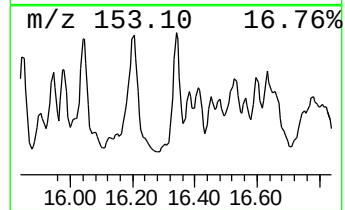
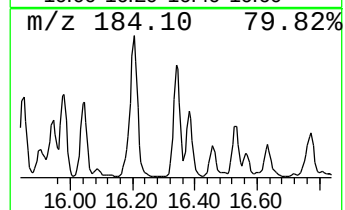
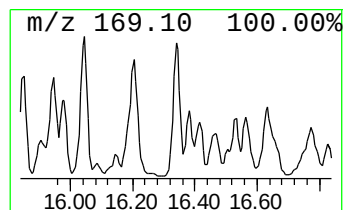
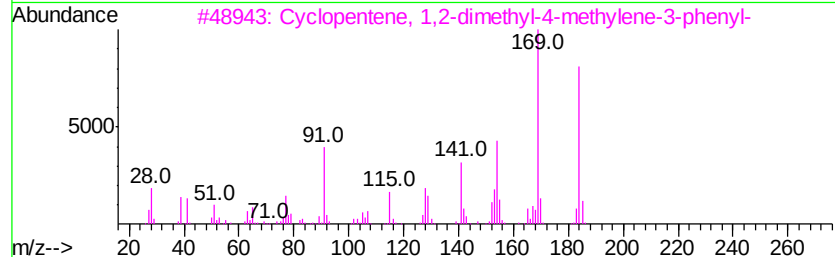
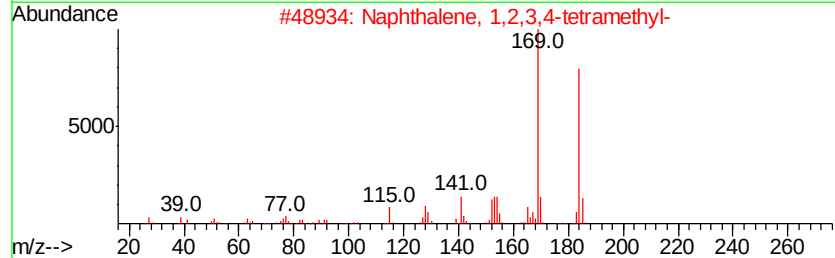
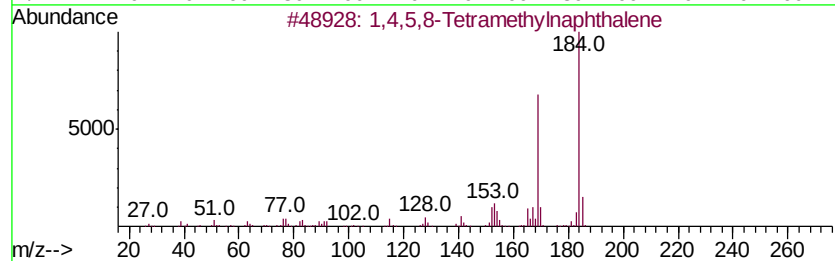
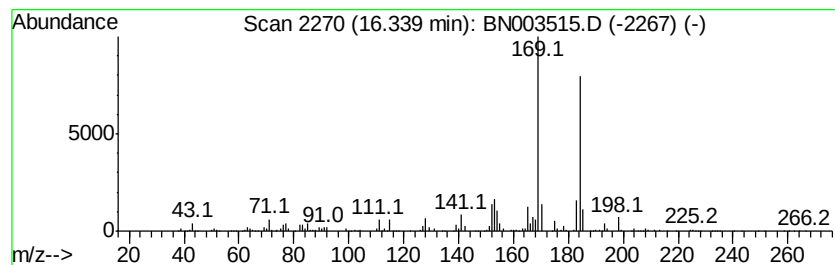
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 1,4,5,8-Tetramethylnaphthalene Concentration Rank 18

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 16.34 | 36.62 ng | 1374700 | Phenanthrene-d10 | 17.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1,4,5,8-Tetramethylnaphthalene      | 184 | C14H16  | 002717-39-7  | 95   |
| 2    |    | Naphthalene, 1,2,3,4-tetramethyl-   | 184 | C14H16  | 003031-15-0  | 94   |
| 3    |    | Cyclopentene, 1,2-dimethyl-4-met... | 184 | C14H16  | 1000152-22-4 | 90   |
| 4    |    | Chamazulene                         | 184 | C14H16  | 000529-05-5  | 90   |
| 5    |    | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16  | 000490-65-3  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

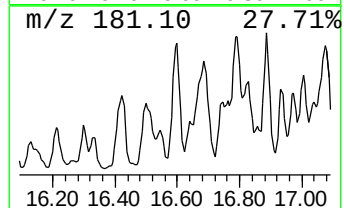
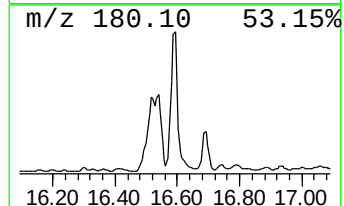
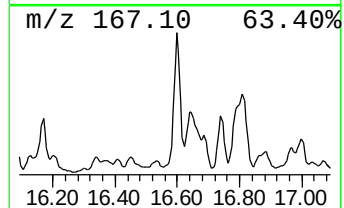
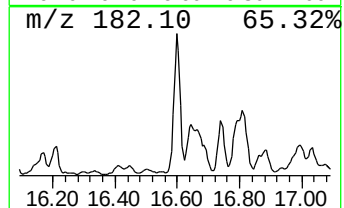
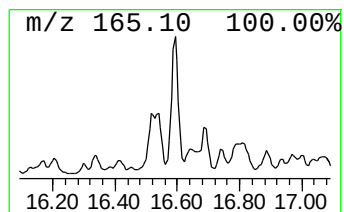
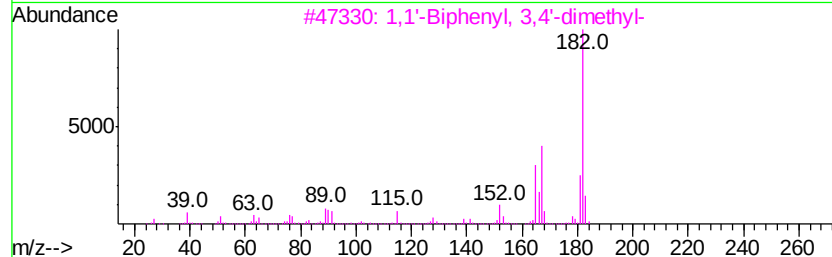
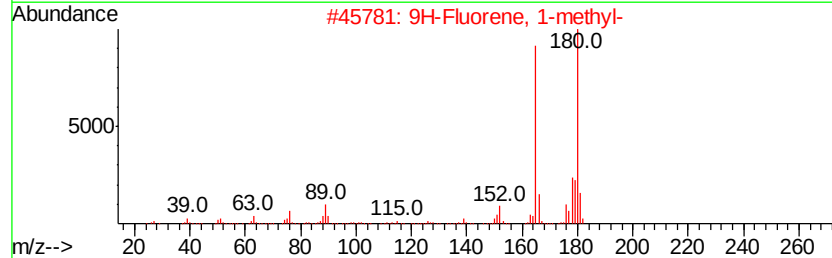
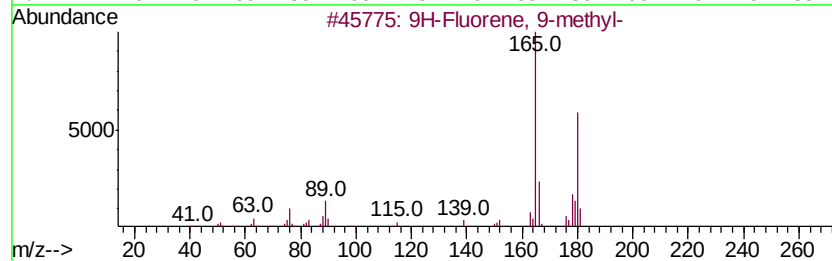
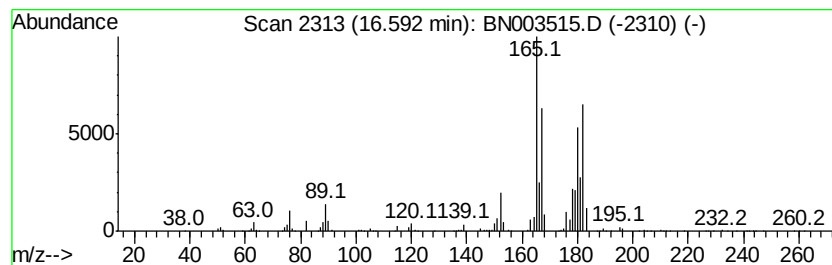
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 9H-Fluorene, 9-methyl- Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 16.59 | 47.88 ng | 1797300 | Phenanthrene-d10 | 17.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 9H-Fluorene, 9-methyl-              | 180 | C14H12  | 002523-37-7 | 86   |
| 2    |    | 9H-Fluorene, 1-methyl-              | 180 | C14H12  | 001730-37-6 | 50   |
| 3    |    | 1,1'-Biphenyl, 3,4'-dimethyl-       | 182 | C14H14  | 007383-90-6 | 49   |
| 4    |    | 1,4-Methanonaphthalene,1,4-dihyd... | 182 | C14H14  | 007350-72-3 | 45   |
| 5    |    | 9H-Fluorene, 2-methyl-              | 180 | C14H12  | 001430-97-3 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

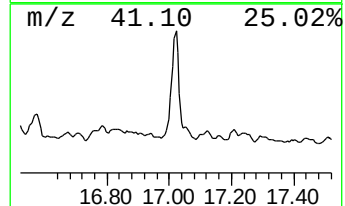
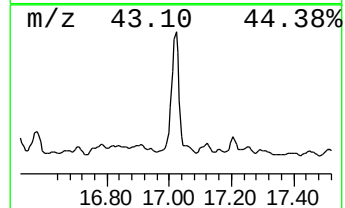
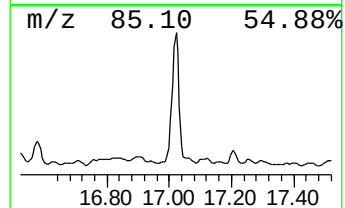
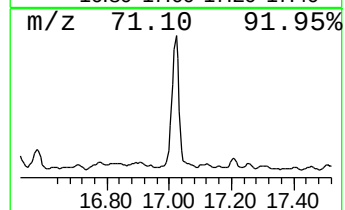
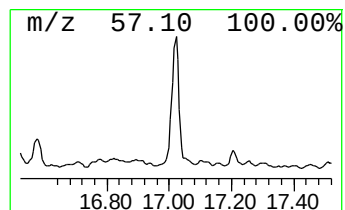
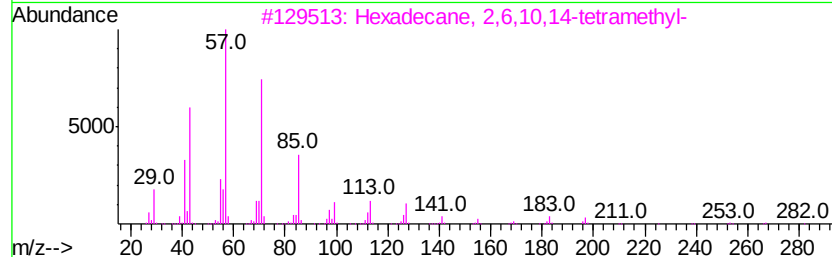
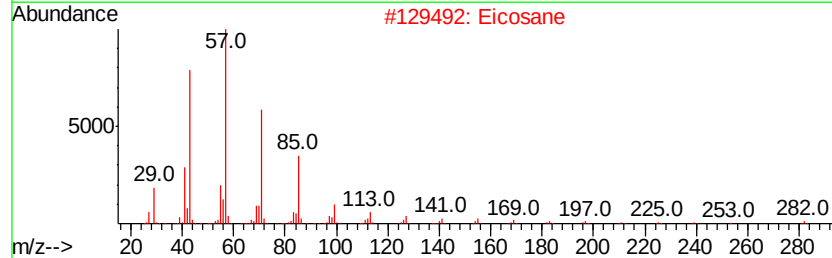
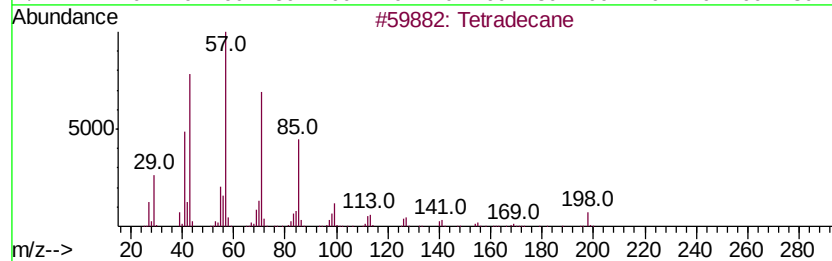
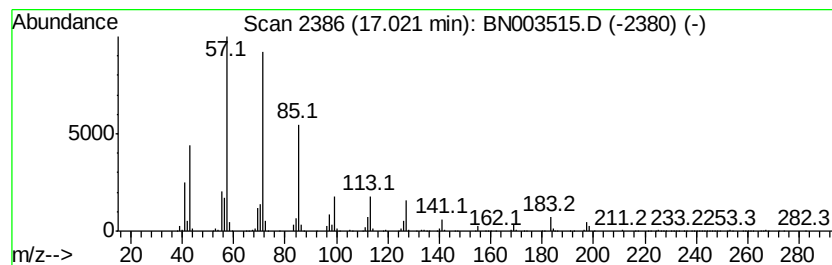
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Tetradecane Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 17.02 | 138.04 ng | 5182240 | Phenanthrene-d10 | 17.23 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Tetradecane                        | 198 | C14H30   | 000629-59-4 | 93   |
| 2    |    | Eicosane                           | 282 | C20H42   | 000112-95-8 | 91   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42   | 000638-36-8 | 91   |
| 4    |    | Hexadecane                         | 226 | C16H34   | 000544-76-3 | 87   |
| 5    |    | 2-Bromotetradecane                 | 276 | C14H29Br | 074036-95-6 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

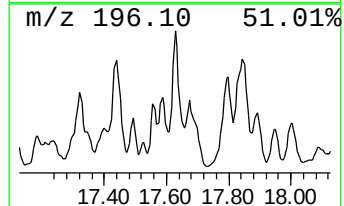
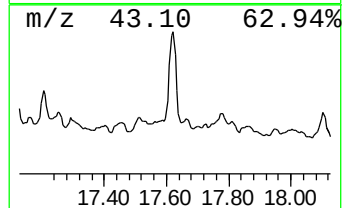
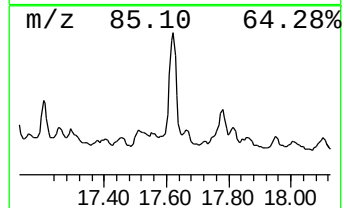
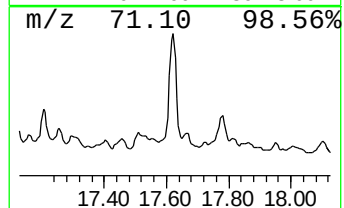
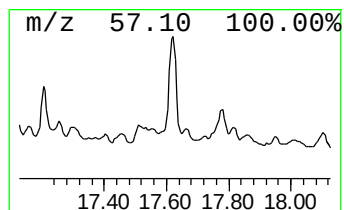
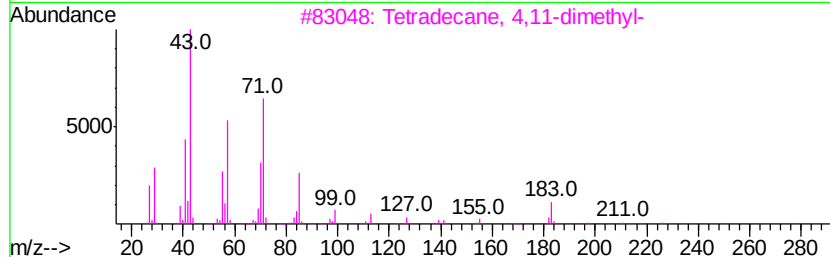
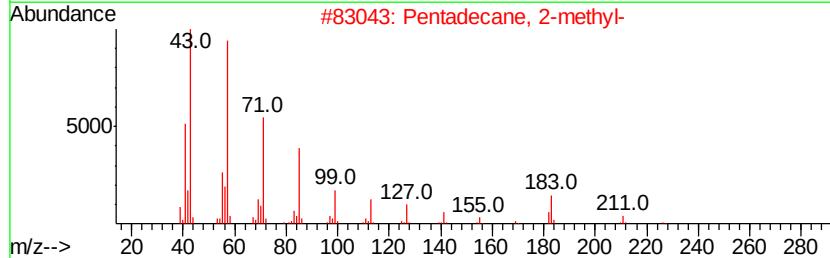
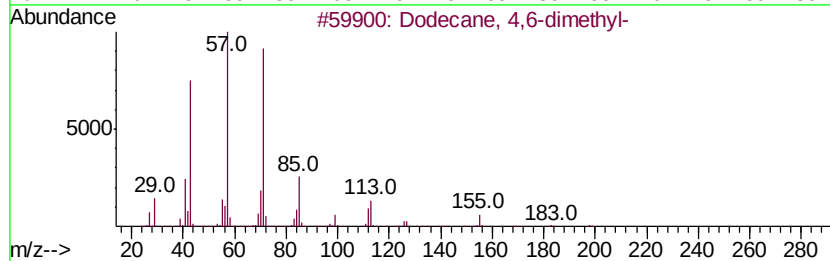
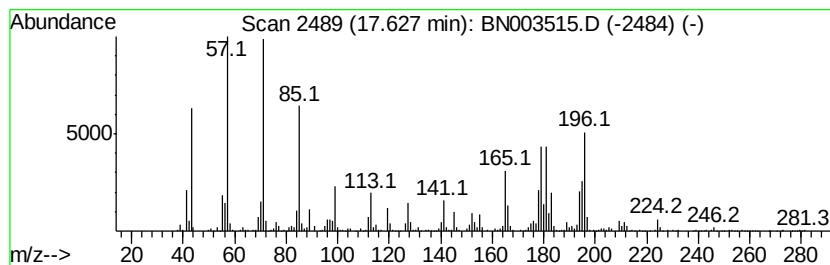
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown17.63 Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 17.63 | 53.67 ng | 2014680 | Phenanthrene-d10 | 17.23 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 35   |
| 2    |    |   | Pentadecane, 2-methyl-      | 226 | C16H34  | 001560-93-6 | 30   |
| 3    |    |   | Tetradecane, 4,11-dimethyl- | 226 | C16H34  | 055045-12-0 | 30   |
| 4    |    |   | Octacosane                  | 394 | C28H58  | 000630-02-4 | 25   |
| 5    |    |   | Hexadecane                  | 226 | C16H34  | 000544-76-3 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

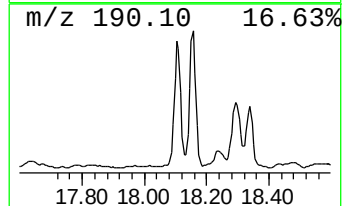
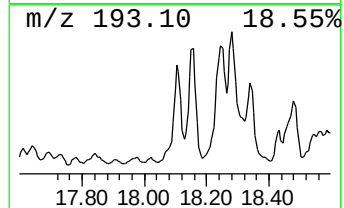
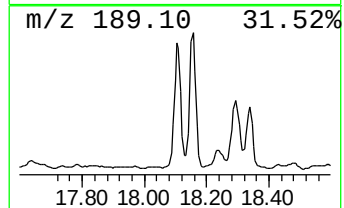
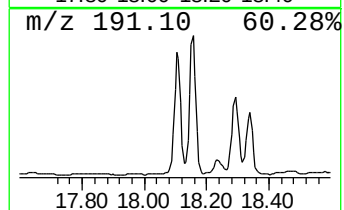
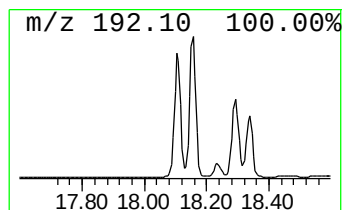
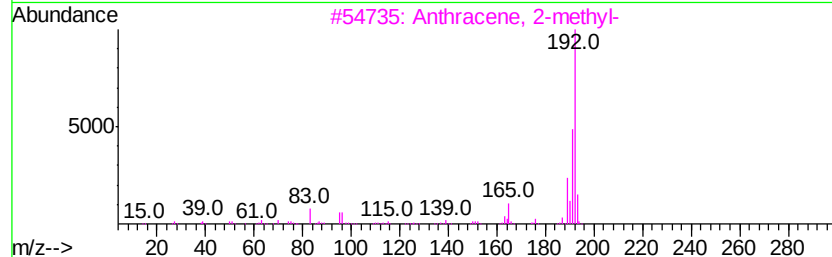
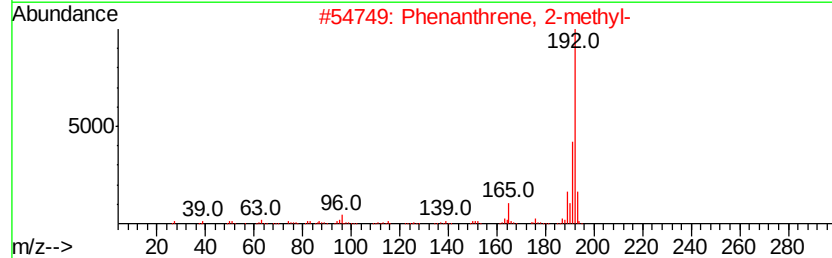
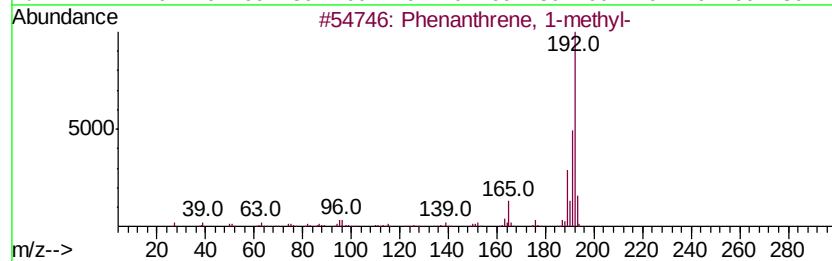
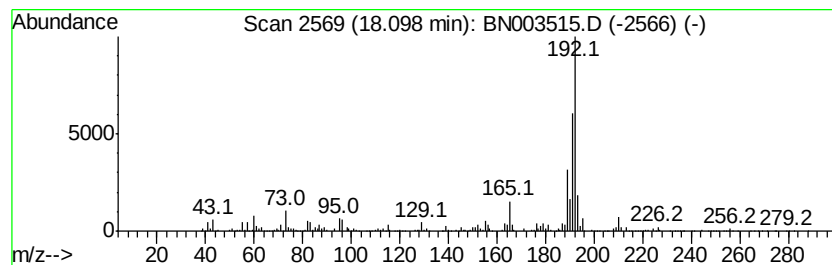
Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.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 Phenanthrene, 1-methyl- Concentration Rank 5

| R.T.      | EstConc                               | Area    | Relative to ISTD | R.T.        |      |
|-----------|---------------------------------------|---------|------------------|-------------|------|
| 18.10     | 62.09 ng                              | 2330990 | Phenanthrene-d10 | 17.23       |      |
| Hit# of 5 | Tentative ID                          | MW      | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 1-methyl-               | 192     | C15H12           | 000832-69-9 | 97   |
| 2         | Phenanthrene, 2-methyl-               | 192     | C15H12           | 002531-84-2 | 96   |
| 3         | Anthracene, 2-methyl-                 | 192     | C15H12           | 000613-12-7 | 96   |
| 4         | 1H-Cyclopropa[1,1]phenanthrene,1a,... | 192     | C15H12           | 000949-41-7 | 96   |
| 5         | 1H-Indene, 2-phenyl-                  | 192     | C15H12           | 004505-48-0 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

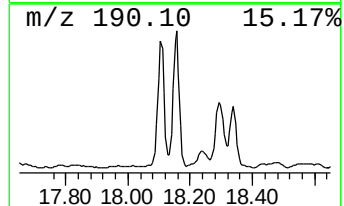
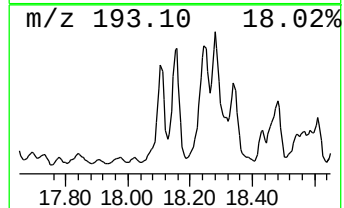
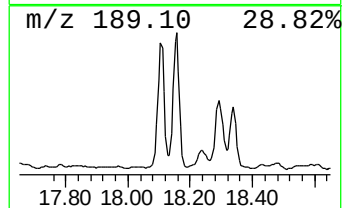
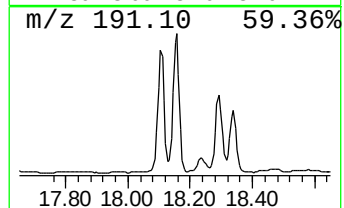
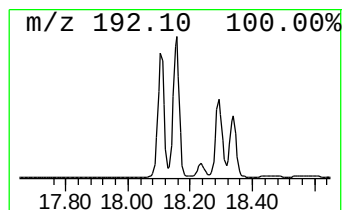
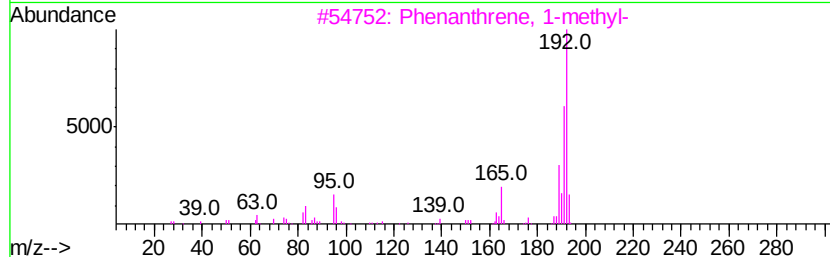
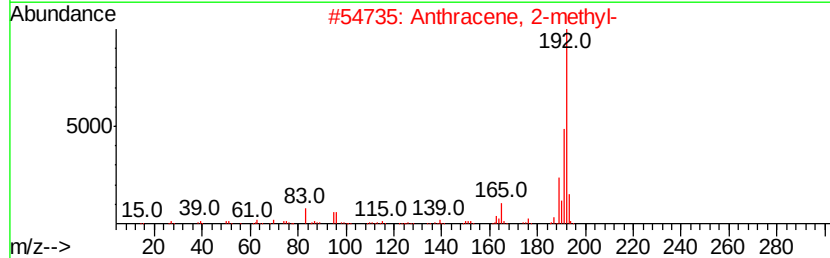
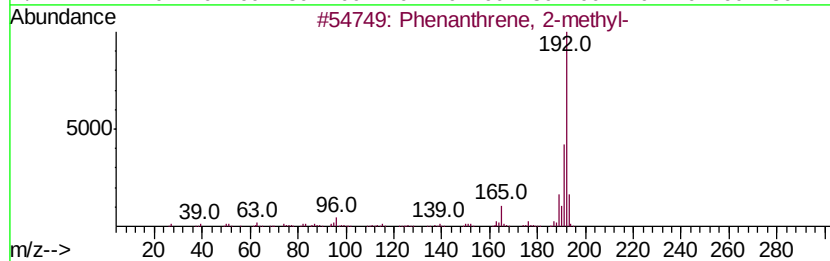
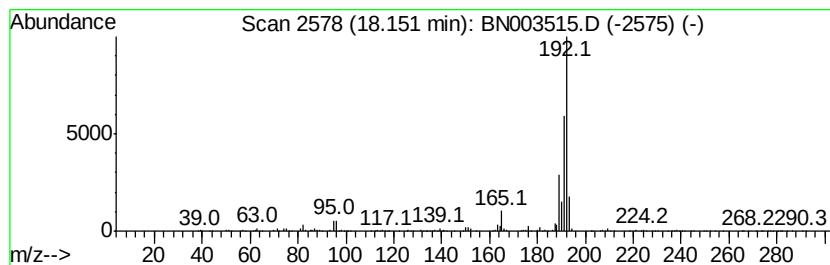
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.15 | 55.48 ng | 2082900 | Phenanthrene-d10 | 17.23 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    | Anthracene, 2-methyl-                  | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 93   |
| 4    |    | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 93   |
| 5    |    | Anthracene, 9-methyl-                  | 192 | C15H12  | 000779-02-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
Data File : BN003515.D  
Acq On : 13 Nov 2018 17:11  
Operator : MJ/SJ  
Sample : J5925-07  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

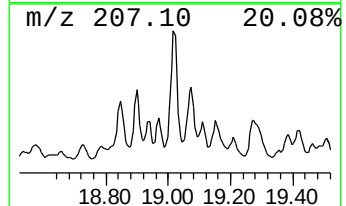
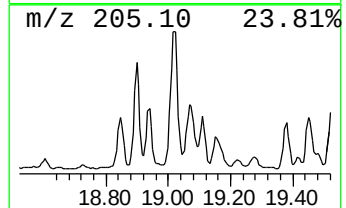
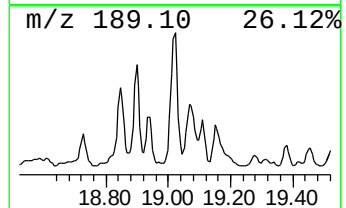
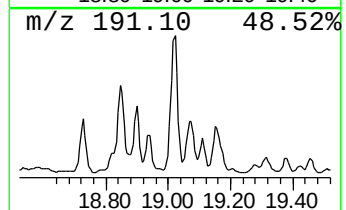
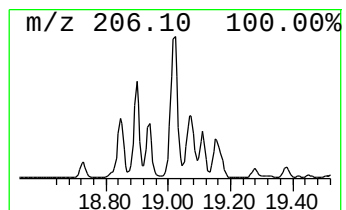
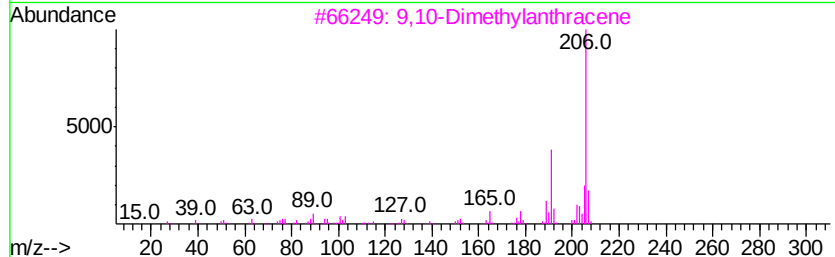
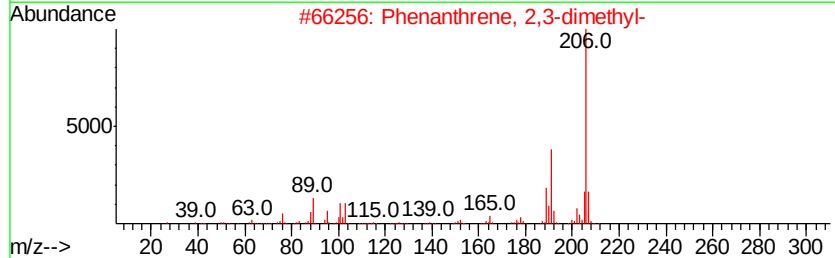
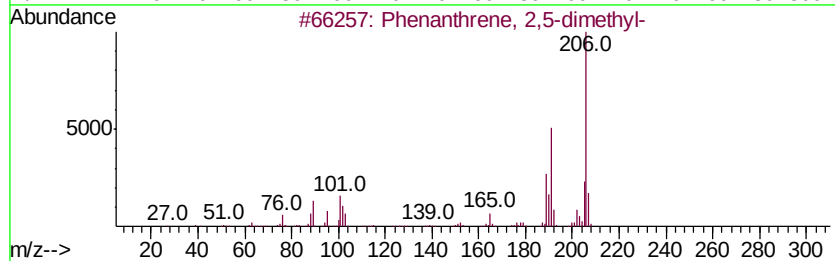
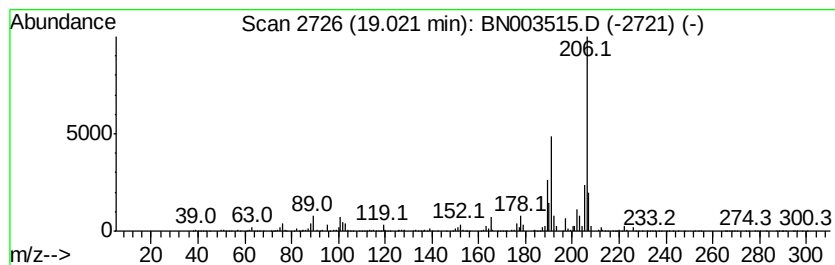
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 19.02 | 44.07 ng | 1654570 | Phenanthrene-d10 | 17.23 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 96   |
| 2    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5 | 91   |
| 3    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 91   |
| 4    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 91   |
| 5    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN111318\  
 Data File : BN003515.D  
 Acq On : 13 Nov 2018 17:11  
 Operator : MJ/SJ  
 Sample : J5925-07  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP-1D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-BN111218.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 |
| unknown7.38          | 7.38  | 71.8    | ng    | 3406640  | 1                     | 7.85  | 949062  | 20.0 |
| p-Cymene             | 8.94  | 45.7    | ng    | 2169030  | 1                     | 7.85  | 949062  | 20.0 |
| Benzene, 1,2,3,4-... | 10.04 | 34.9    | ng    | 2819300  | 2                     | 10.65 | 1617440 | 20.0 |
| Undecane, 3,6-dim... | 10.78 | 65.5    | ng    | 5300500  | 2                     | 10.65 | 1617440 | 20.0 |
| Bacchotricuneatin c  | 11.65 | 44.5    | ng    | 3601520  | 2                     | 10.65 | 1617440 | 20.0 |
| Nonane, 3,7-dimet... | 13.00 | 37.1    | ng    | 5269290  | 3                     | 14.49 | 2838010 | 20.0 |
| Naphthalene, 1,7-... | 13.82 | 50.4    | ng    | 7155020  | 3                     | 14.49 | 2838010 | 20.0 |
| Naphthalene, 2,3,... | 14.70 | 37.2    | ng    | 5272850  | 3                     | 14.49 | 2838010 | 20.0 |
| Naphthalene, 1,4,... | 14.89 | 43.1    | ng    | 6122010  | 3                     | 14.49 | 2838010 | 20.0 |
| Pentadecane, 2,6,... | 15.72 | 55.5    | ng    | 7875800  | 3                     | 14.49 | 2838010 | 20.0 |
| Dodecane, 2-methy... | 16.20 | 230.1   | ng    | 8637850  | 4                     | 17.23 | 750829  | 20.0 |
| 1,4,5,8-Tetrameth... | 16.34 | 36.6    | ng    | 1374700  | 4                     | 17.23 | 750829  | 20.0 |
| 9H-Fluorene, 9-me... | 16.59 | 47.9    | ng    | 1797300  | 4                     | 17.23 | 750829  | 20.0 |
| Tetradecane          | 17.02 | 138.0   | ng    | 5182240  | 4                     | 17.23 | 750829  | 20.0 |
| unknown17.63         | 17.63 | 53.7    | ng    | 2014680  | 4                     | 17.23 | 750829  | 20.0 |
| Phenanthrene, 1-m... | 18.10 | 62.1    | ng    | 2330990  | 4                     | 17.23 | 750829  | 20.0 |
| Phenanthrene, 2-m... | 18.15 | 55.5    | ng    | 2082900  | 4                     | 17.23 | 750829  | 20.0 |
| Phenanthrene, 2,5... | 19.02 | 44.1    | ng    | 1654570  | 4                     | 17.23 | 750829  | 20.0 |