

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
 Data File : BM024585.D  
 Acq On : 22 Jan 2020 17:10  
 Operator : JU  
 Sample : L1118-11DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GASK2DL

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\_M\METHODS\SOM-EPA-BM011520MA.M  
 Title : SVOA 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         | 5.151       | 380           | 385         | 398          | rVB      | 807408         | 1628129       | 8.28%           | 0.464%        |
| 2         | 5.510       | 435           | 446         | 458          | rVB2     | 542468         | 1347008       | 6.85%           | 0.384%        |
| 3         | 6.569       | 618           | 626         | 631          | rBV      | 331953         | 502188        | 2.55%           | 0.143%        |
| 4         | 6.628       | 631           | 636         | 644          | rVV2     | 183116         | 448650        | 2.28%           | 0.128%        |
| 5         | 6.698       | 644           | 648         | 656          | rVB      | 352999         | 525522        | 2.67%           | 0.150%        |
| 6         | 7.116       | 713           | 719         | 726          | rBV2     | 1792668        | 2862618       | 14.55%          | 0.817%        |
| 7         | 7.204       | 731           | 734         | 740          | rVB      | 235216         | 346833        | 1.76%           | 0.099%        |
| 8         | 7.451       | 770           | 776         | 783          | rBV      | 1053608        | 1658796       | 8.43%           | 0.473%        |
| 9         | 7.575       | 788           | 797         | 804          | rVV      | 336450         | 550823        | 2.80%           | 0.157%        |
| 10        | 7.981       | 857           | 866         | 876          | rVB      | 2118916        | 3480006       | 17.69%          | 0.993%        |
| 11        | 8.098       | 876           | 886         | 890          | rBV      | 211075         | 350491        | 1.78%           | 0.100%        |
| 12        | 8.163       | 890           | 897         | 904          | rVB2     | 161665         | 331840        | 1.69%           | 0.095%        |
| 13        | 8.557       | 958           | 964         | 974          | rBV4     | 267032         | 735779        | 3.74%           | 0.210%        |
| 14        | 8.704       | 984           | 989         | 999          | rBV2     | 574766         | 1086716       | 5.52%           | 0.310%        |
| 15        | 8.916       | 1014          | 1025        | 1029         | rBV2     | 174212         | 443249        | 2.25%           | 0.126%        |
| 16        | 9.128       | 1056          | 1061        | 1070         | rVB2     | 221996         | 461633        | 2.35%           | 0.132%        |
| 17        | 9.651       | 1137          | 1150        | 1156         | rBV3     | 758091         | 1928735       | 9.80%           | 0.550%        |
| 18        | 9.722       | 1157          | 1162        | 1166         | rBV      | 486637         | 807530        | 4.11%           | 0.230%        |
| 19        | 9.839       | 1178          | 1182        | 1191         | rVB2     | 217913         | 441729        | 2.25%           | 0.126%        |
| 20        | 10.216      | 1238          | 1246        | 1248         | rVV      | 1522683        | 2727633       | 13.87%          | 0.778%        |
| 21        | 10.269      | 1249          | 1255        | 1264         | rVV      | 11896499       | 19670953      | 100.00%         | 5.611%        |
| 22        | 10.375      | 1264          | 1273        | 1277         | rVV2     | 282463         | 577829        | 2.94%           | 0.165%        |
| 23        | 11.286      | 1420          | 1428        | 1433         | rBV3     | 213208         | 540069        | 2.75%           | 0.154%        |
| 24        | 11.410      | 1444          | 1449        | 1460         | rVB3     | 160444         | 362496        | 1.84%           | 0.103%        |
| 25        | 11.686      | 1488          | 1496        | 1502         | rBV      | 816088         | 1339581       | 6.81%           | 0.382%        |
| 26        | 11.886      | 1523          | 1530        | 1540         | rVB      | 5811113        | 9204508       | 46.79%          | 2.626%        |
| 27        | 12.110      | 1559          | 1568        | 1574         | rVV      | 2693257        | 4234563       | 21.53%          | 1.208%        |
| 28        | 12.669      | 1659          | 1663        | 1671         | rVB      | 366321         | 471546        | 2.40%           | 0.135%        |
| 29        | 12.921      | 1702          | 1706        | 1709         | rBV      | 491644         | 723078        | 3.68%           | 0.206%        |
| 30        | 12.963      | 1709          | 1713        | 1722         | rVB      | 872192         | 1350383       | 6.86%           | 0.385%        |
| 31        | 13.121      | 1734          | 1740        | 1749         | rBV      | 446603         | 898003        | 4.57%           | 0.256%        |
| 32        | 13.257      | 1758          | 1763        | 1764         | rBV      | 856307         | 1057847       | 5.38%           | 0.302%        |
| 33        | 13.421      | 1785          | 1791        | 1796         | rVB      | 1198860        | 1951293       | 9.92%           | 0.557%        |
| 34        | 13.474      | 1796          | 1800        | 1804         | rBV      | 842241         | 1170337       | 5.95%           | 0.334%        |

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 ClientSampleId :  
 GASK2DL

## Integration Parameters: LSCINT.P

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 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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\_M\METHODS\SOM-EPA-BM011520MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 35 | 13.545 | 1805 | 1812 | 1819 | rVB4 | 824379   | 1829302  | 9.30%  | 0.522% |
| 36 | 13.633 | 1820 | 1827 | 1843 | rVB2 | 1939778  | 4150475  | 21.10% | 1.184% |
| 37 | 13.816 | 1850 | 1858 | 1867 | rBV  | 3067793  | 5479321  | 27.85% | 1.563% |
| 38 | 13.945 | 1876 | 1880 | 1884 | rBV  | 329441   | 478911   | 2.43%  | 0.137% |
| 39 | 14.051 | 1894 | 1898 | 1902 | rBV  | 2279895  | 3039114  | 15.45% | 0.867% |
| 40 | 14.098 | 1902 | 1906 | 1913 | rVV3 | 2474902  | 4247140  | 21.59% | 1.211% |
| 41 | 14.163 | 1914 | 1917 | 1921 | rVB2 | 413448   | 560078   | 2.85%  | 0.160% |
| 42 | 14.321 | 1940 | 1944 | 1952 | rBV4 | 446351   | 1034713  | 5.26%  | 0.295% |
| 43 | 14.504 | 1970 | 1975 | 1981 | rVB5 | 832839   | 1687653  | 8.58%  | 0.481% |
| 44 | 14.563 | 1981 | 1985 | 1992 | rBV3 | 1039233  | 1953020  | 9.93%  | 0.557% |
| 45 | 14.680 | 2000 | 2005 | 2009 | rBV  | 1863426  | 2573222  | 13.08% | 0.734% |
| 46 | 14.745 | 2014 | 2016 | 2019 | rVV2 | 697028   | 804624   | 4.09%  | 0.230% |
| 47 | 14.786 | 2020 | 2023 | 2030 | rVB2 | 526537   | 784543   | 3.99%  | 0.224% |
| 48 | 14.910 | 2041 | 2044 | 2050 | rVB  | 1130254  | 1588114  | 8.07%  | 0.453% |
| 49 | 14.980 | 2053 | 2056 | 2058 | rBV2 | 684348   | 849056   | 4.32%  | 0.242% |
| 50 | 15.015 | 2058 | 2062 | 2066 | rVB  | 6186768  | 7290694  | 37.06% | 2.080% |
| 51 | 15.104 | 2074 | 2077 | 2081 | rVB  | 1113035  | 1434820  | 7.29%  | 0.409% |
| 52 | 15.157 | 2082 | 2086 | 2094 | rBV  | 1035886  | 1861316  | 9.46%  | 0.531% |
| 53 | 15.427 | 2124 | 2132 | 2136 | rBV  | 7909703  | 12279732 | 62.43% | 3.503% |
| 54 | 15.515 | 2144 | 2147 | 2152 | rVB  | 1089563  | 1427427  | 7.26%  | 0.407% |
| 55 | 15.574 | 2153 | 2157 | 2161 | rVV2 | 1519038  | 2293545  | 11.66% | 0.654% |
| 56 | 15.621 | 2161 | 2165 | 2171 | rVB4 | 1116074  | 2508241  | 12.75% | 0.715% |
| 57 | 15.751 | 2183 | 2187 | 2191 | rBV  | 845279   | 1212991  | 6.17%  | 0.346% |
| 58 | 15.880 | 2205 | 2209 | 2212 | rBV  | 10155872 | 14811854 | 75.30% | 4.225% |
| 59 | 15.910 | 2212 | 2214 | 2222 | rVB  | 12533704 | 15807247 | 80.36% | 4.509% |
| 60 | 16.221 | 2264 | 2267 | 2270 | rBV2 | 1512433  | 2369486  | 12.05% | 0.676% |
| 61 | 16.286 | 2275 | 2278 | 2284 | rVB  | 2182943  | 2910785  | 14.80% | 0.830% |
| 62 | 16.392 | 2293 | 2296 | 2299 | rVB  | 712833   | 810491   | 4.12%  | 0.231% |
| 63 | 16.674 | 2339 | 2344 | 2348 | rBV  | 11825605 | 14734864 | 74.91% | 4.203% |
| 64 | 16.733 | 2349 | 2354 | 2363 | rVB  | 8863727  | 13904748 | 70.69% | 3.966% |
| 65 | 16.857 | 2371 | 2375 | 2378 | rVB  | 2468127  | 2927977  | 14.88% | 0.835% |
| 66 | 16.898 | 2378 | 2382 | 2389 | rVV2 | 3925964  | 6193550  | 31.49% | 1.767% |
| 67 | 16.986 | 2393 | 2397 | 2405 | rVB2 | 1870352  | 3260708  | 16.58% | 0.930% |
| 68 | 17.139 | 2421 | 2423 | 2427 | rVB2 | 998396   | 1098468  | 5.58%  | 0.313% |
| 69 | 17.209 | 2432 | 2435 | 2439 | rVB  | 1544653  | 1781114  | 9.05%  | 0.508% |
| 70 | 17.262 | 2441 | 2444 | 2448 | rBV  | 811665   | 1035593  | 5.26%  | 0.295% |
| 71 | 17.333 | 2452 | 2456 | 2461 | rVV  | 2888816  | 4142544  | 21.06% | 1.182% |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |          |          |        |        |
|-----|--------|------|------|------|------|----------|----------|--------|--------|
| 72  | 17.415 | 2465 | 2470 | 2475 | rVB  | 11347411 | 14194840 | 72.16% | 4.049% |
| 73  | 17.686 | 2513 | 2516 | 2519 | rBV3 | 1164446  | 1531339  | 7.78%  | 0.437% |
| 74  | 17.856 | 2542 | 2545 | 2551 | rVB3 | 1420282  | 2279752  | 11.59% | 0.650% |
| 75  | 17.915 | 2552 | 2555 | 2560 | rBV5 | 1401469  | 3112417  | 15.82% | 0.888% |
| 76  | 18.104 | 2583 | 2587 | 2594 | rBV  | 10887966 | 12973527 | 65.95% | 3.701% |
| 77  | 18.209 | 2602 | 2605 | 2609 | rVB2 | 1058644  | 1400271  | 7.12%  | 0.399% |
| 78  | 18.574 | 2663 | 2667 | 2671 | rVB  | 2261804  | 3033007  | 15.42% | 0.865% |
| 79  | 18.745 | 2692 | 2696 | 2701 | rVB  | 9538325  | 11313791 | 57.52% | 3.227% |
| 80  | 18.921 | 2722 | 2726 | 2731 | rVB2 | 2575167  | 3967121  | 20.17% | 1.132% |
| 81  | 19.080 | 2750 | 2753 | 2756 | rBV2 | 971144   | 1248178  | 6.35%  | 0.356% |
| 82  | 19.286 | 2785 | 2788 | 2792 | rVB2 | 2509131  | 3129246  | 15.91% | 0.893% |
| 83  | 19.333 | 2792 | 2796 | 2803 | rVB  | 8365001  | 8916291  | 45.33% | 2.543% |
| 84  | 19.868 | 2883 | 2887 | 2895 | rBV2 | 6754889  | 8127116  | 41.32% | 2.318% |
| 85  | 20.092 | 2922 | 2925 | 2930 | rVB  | 2069441  | 2363172  | 12.01% | 0.674% |
| 86  | 20.368 | 2968 | 2972 | 2980 | rVB2 | 5331133  | 6371887  | 32.39% | 1.818% |
| 87  | 20.833 | 3048 | 3051 | 3055 | rVB  | 3953637  | 3883798  | 19.74% | 1.108% |
| 88  | 21.062 | 3085 | 3090 | 3104 | rVB3 | 4069222  | 9804379  | 49.84% | 2.797% |
| 89  | 21.268 | 3122 | 3125 | 3132 | rVB2 | 4005351  | 4846208  | 24.64% | 1.382% |
| 90  | 21.692 | 3193 | 3197 | 3202 | rBV  | 2565749  | 2834170  | 14.41% | 0.808% |
| 91  | 22.133 | 3269 | 3272 | 3277 | rVB  | 1780857  | 2038060  | 10.36% | 0.581% |
| 92  | 22.562 | 3341 | 3345 | 3349 | rBV2 | 865619   | 1585979  | 8.06%  | 0.452% |
| 93  | 22.609 | 3350 | 3353 | 3360 | rVB2 | 1294948  | 1634488  | 8.31%  | 0.466% |
| 94  | 22.721 | 3368 | 3372 | 3377 | rBV  | 1714949  | 2695556  | 13.70% | 0.769% |
| 95  | 23.009 | 3416 | 3421 | 3426 | rVB  | 3565316  | 5601625  | 28.48% | 1.598% |
| 96  | 23.097 | 3431 | 3436 | 3440 | rVB  | 2316226  | 3512707  | 17.86% | 1.002% |
| 97  | 23.186 | 3447 | 3451 | 3455 | rBV  | 1600541  | 2609032  | 13.26% | 0.744% |
| 98  | 23.233 | 3456 | 3459 | 3466 | rVB  | 1229349  | 2096905  | 10.66% | 0.598% |
| 99  | 25.262 | 3796 | 3804 | 3815 | rVB  | 2136696  | 6017892  | 30.59% | 1.717% |
| 100 | 25.891 | 3904 | 3911 | 3926 | rVB  | 1459473  | 4082011  | 20.75% | 1.164% |

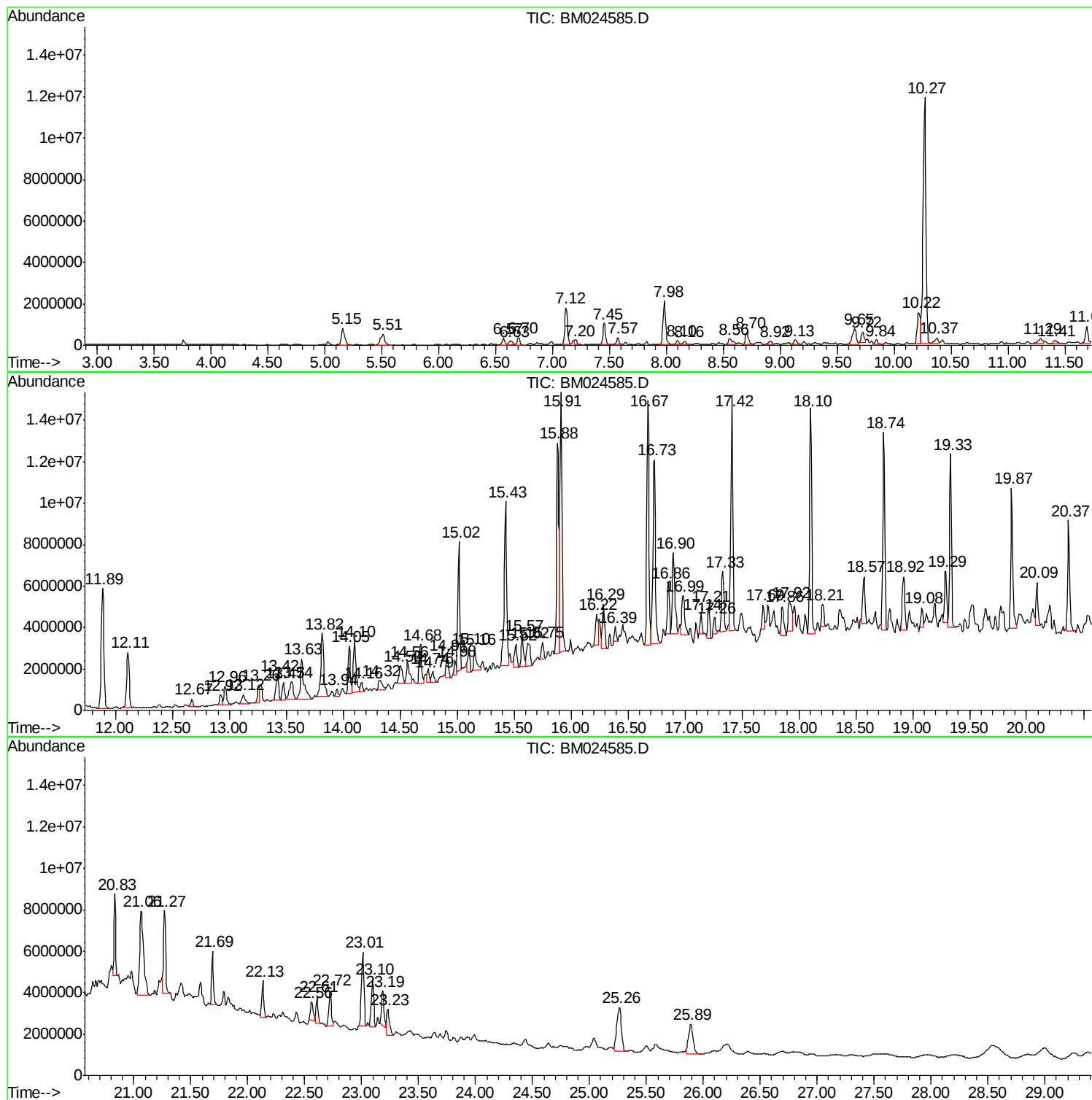
Sum of corrected areas: 350580640

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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



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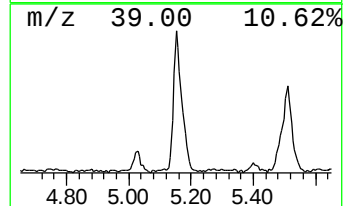
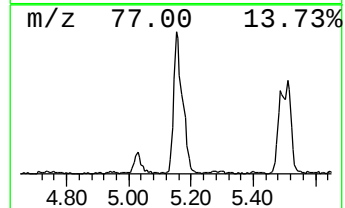
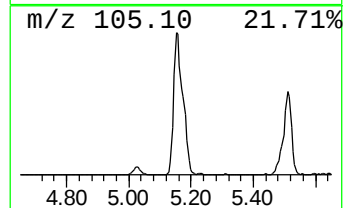
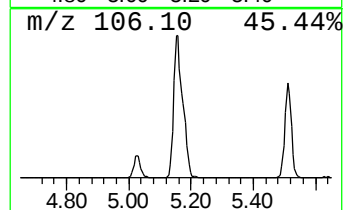
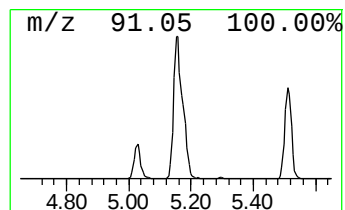
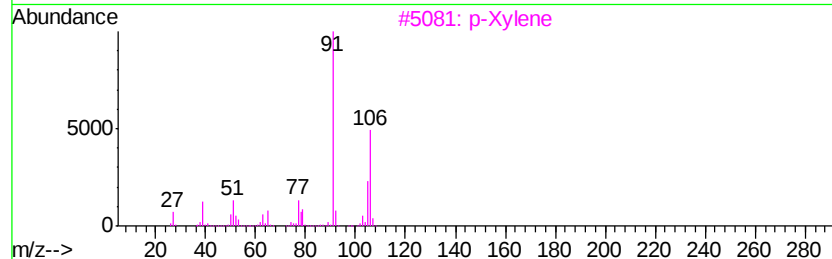
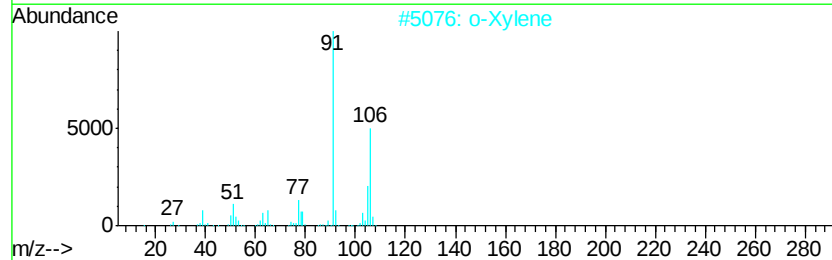
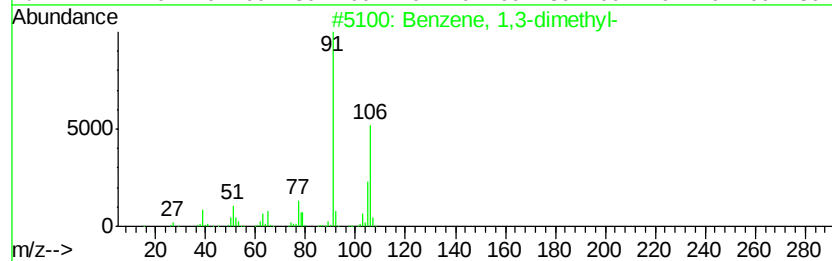
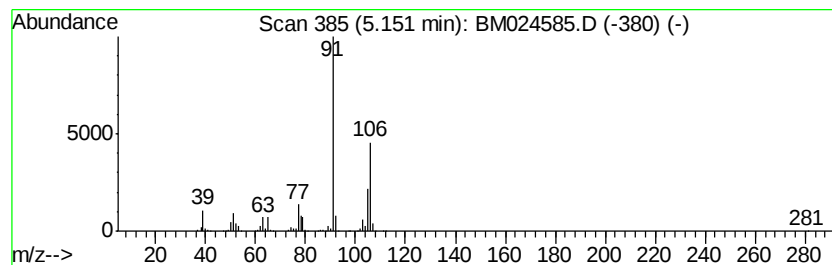
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 18

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 5.15 | 19.63 ng/ul | 1628130 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 2    |    | o-Xylene               | 106 | C8H10   | 000095-47-6 | 97   |
| 3    |    | p-Xylene               | 106 | C8H10   | 000106-42-3 | 97   |
| 4    |    | Benzene, 1,3-dimethyl- | 106 | C8H10   | 000108-38-3 | 97   |
| 5    |    | p-Xylene               | 106 | C8H10   | 000106-42-3 | 95   |



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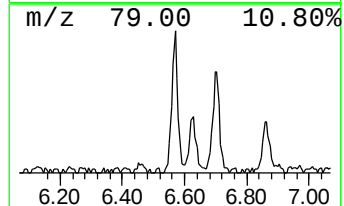
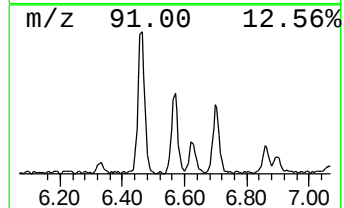
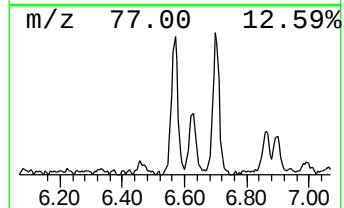
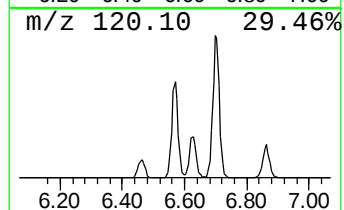
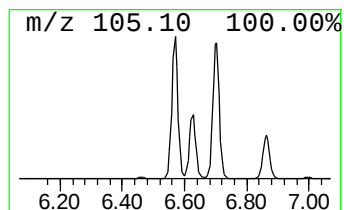
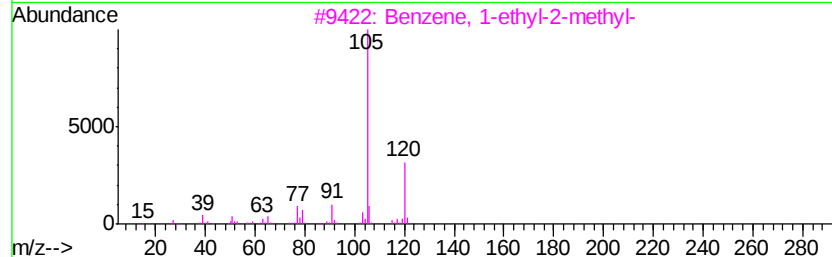
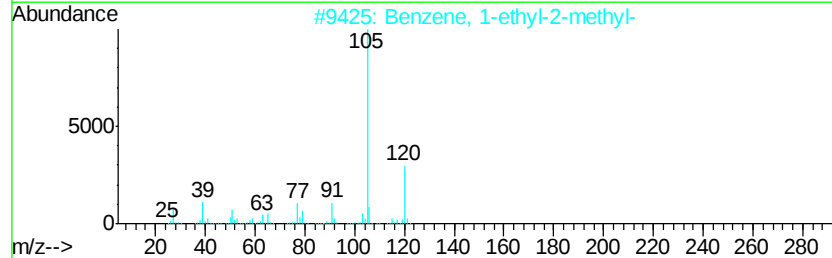
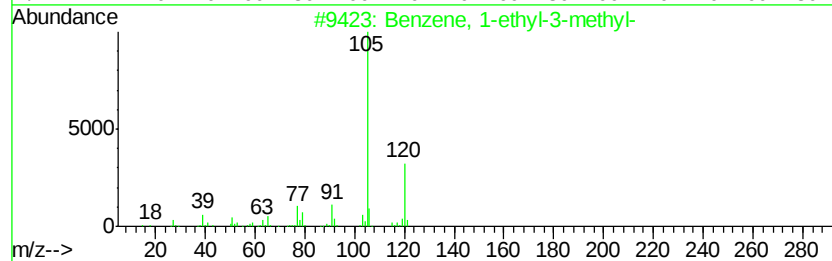
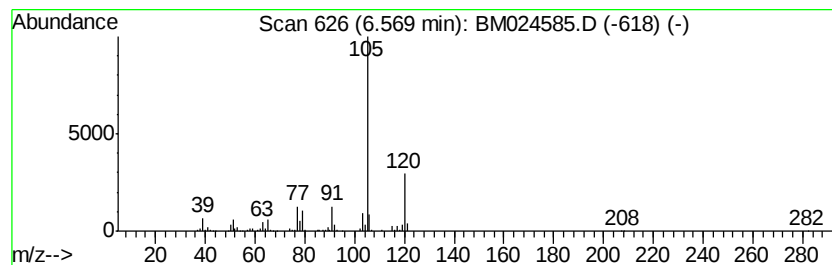
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 46

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.57 | 6.05 ng/ul | 502188 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

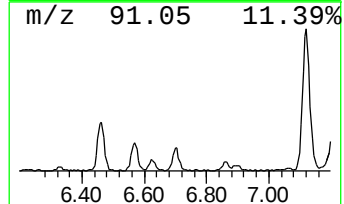
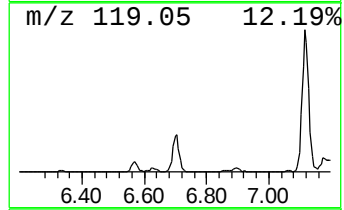
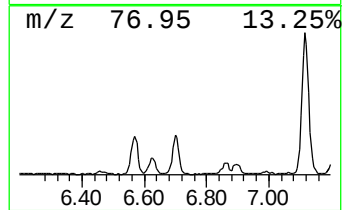
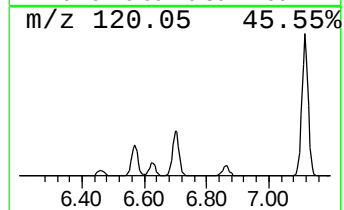
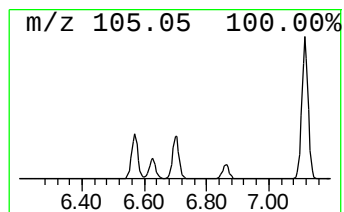
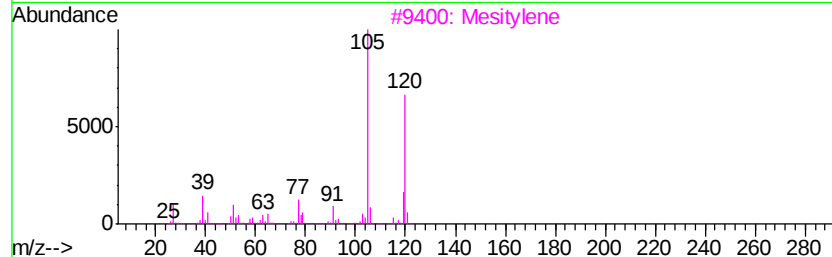
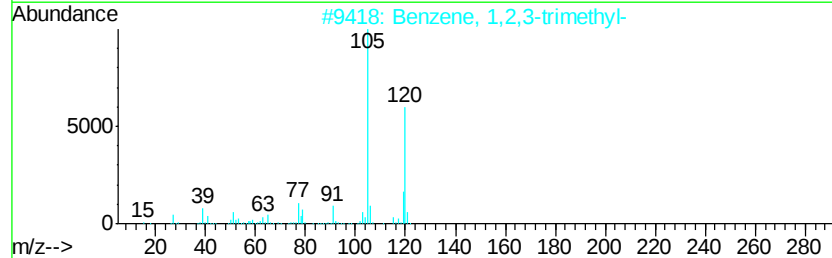
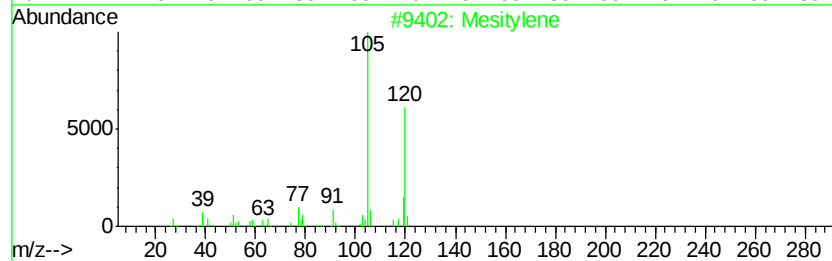
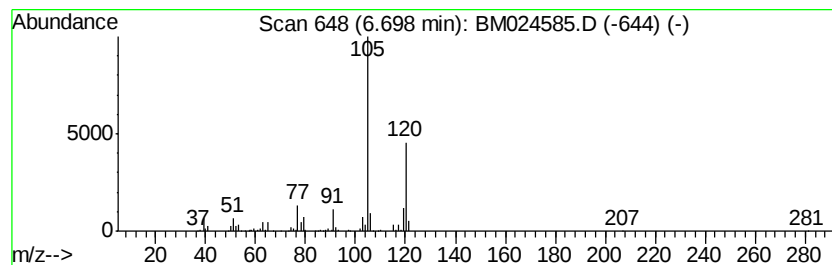
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Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Mesitylene Concentration Rank 45

| R.T.    | EstConc                   | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------------|--------------|------------------------|-----------|
| 6.70    | 6.34 ng/ul                | 525522       | 1,4-Dichlorobenzene-d4 | 7.45      |
| Hit# of | 5                         | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Mesitylene                | 120 C9H12    | 000108-67-8            | 97        |
| 2       | Benzene, 1,2,3-trimethyl- | 120 C9H12    | 000526-73-8            | 97        |
| 3       | Mesitylene                | 120 C9H12    | 000108-67-8            | 95        |
| 4       | Benzene, 1,2,4-trimethyl- | 120 C9H12    | 000095-63-6            | 94        |
| 5       | Mesitylene                | 120 C9H12    | 000108-67-8            | 91        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

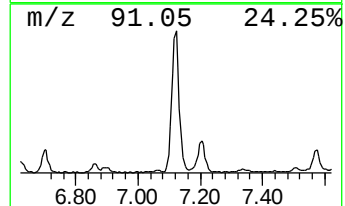
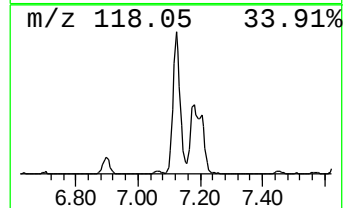
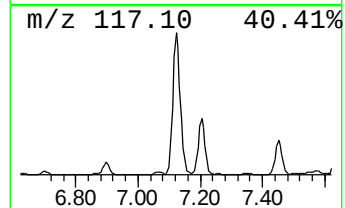
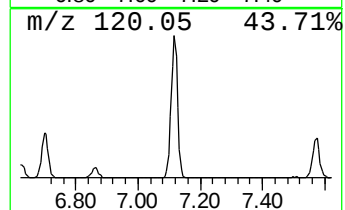
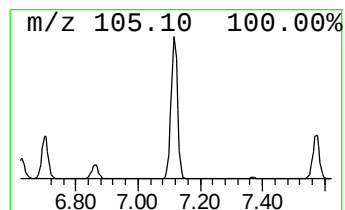
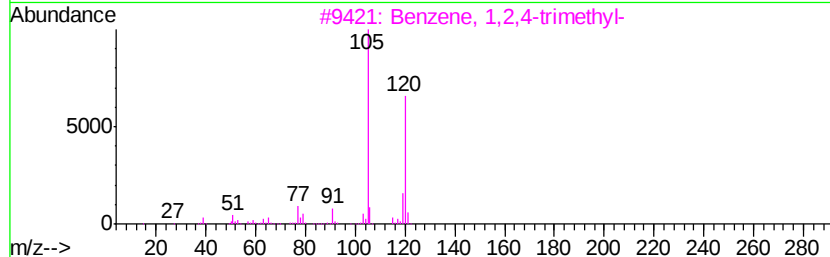
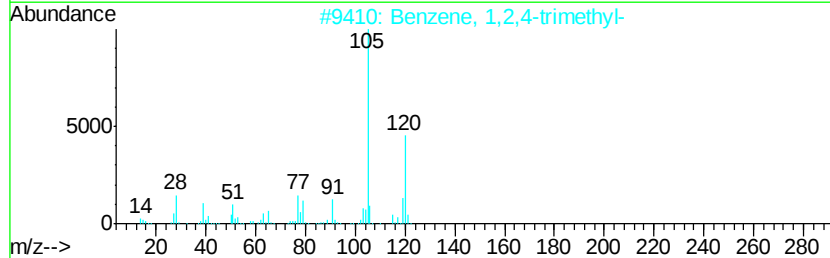
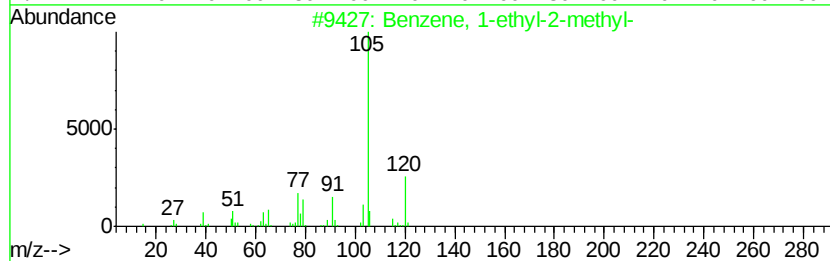
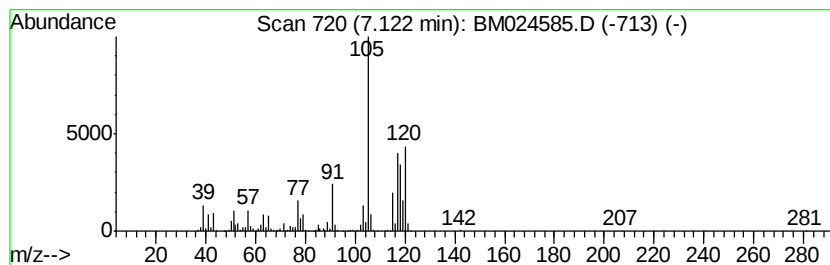
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Quant Title : SVOA CALIBRATION

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

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Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 7.12 | 34.51 ng/ul | 2862620 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 87   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 64   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 64   |
| 4    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 64   |
| 5    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

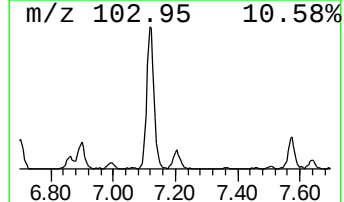
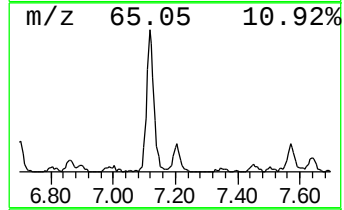
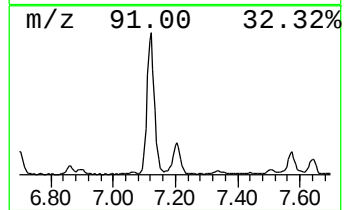
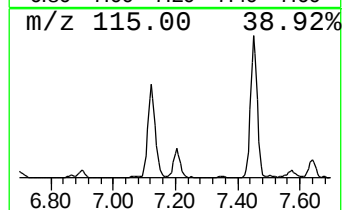
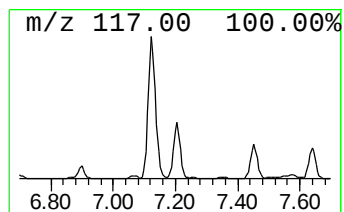
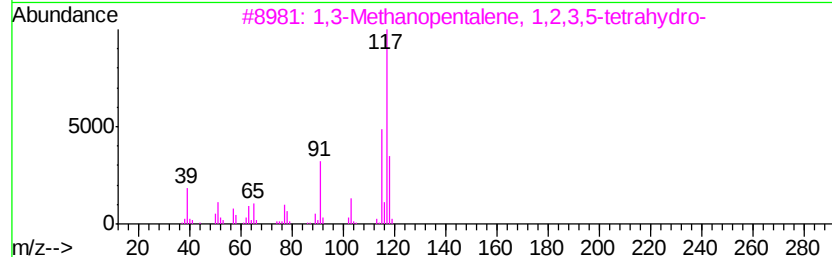
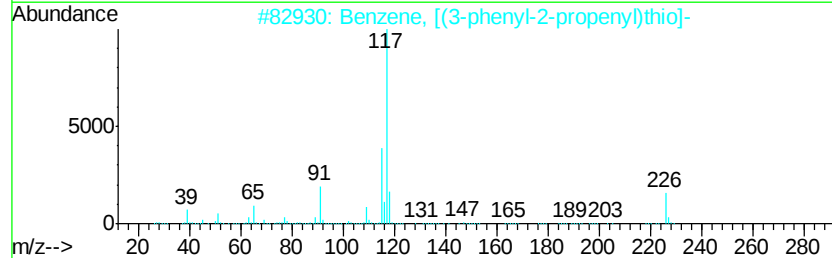
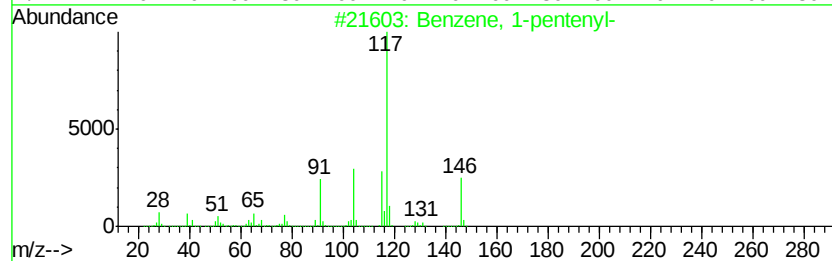
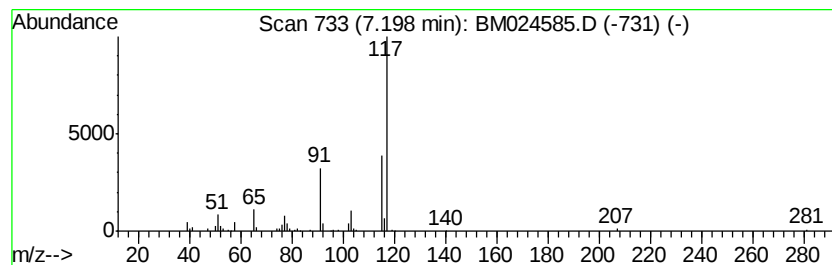
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-pentenyl- Concentration Rank 54

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.20 | 4.18 ng/ul | 346833 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-pentenyl-                | 146 | C11H14    | 000826-18-6 | 56   |
| 2    |    | Benzene, [(3-phenyl-2-propenyl)t... | 226 | C15H14S   | 010276-14-9 | 50   |
| 3    |    | 1,3-Methanopentalene, 1,2,3,5-te... | 118 | C9H10     | 128600-88-4 | 42   |
| 4    |    | 3-Phenyl-4-methyl-5-hydroxy-isox... | 175 | C10H9NO2  | 053949-08-9 | 40   |
| 5    |    | Cinnamyl anthranilate               | 253 | C16H15NO2 | 000087-29-6 | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

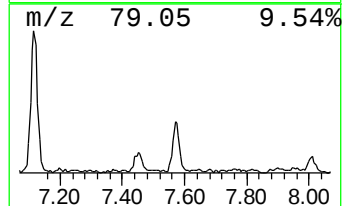
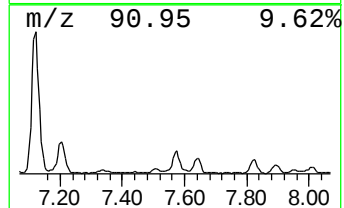
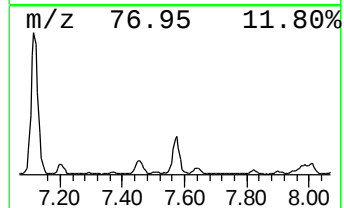
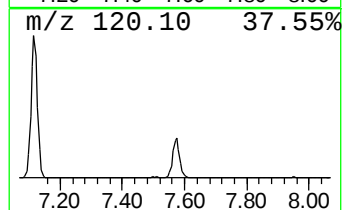
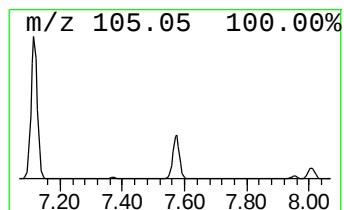
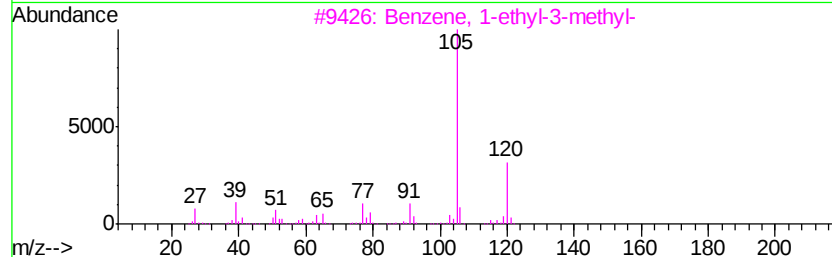
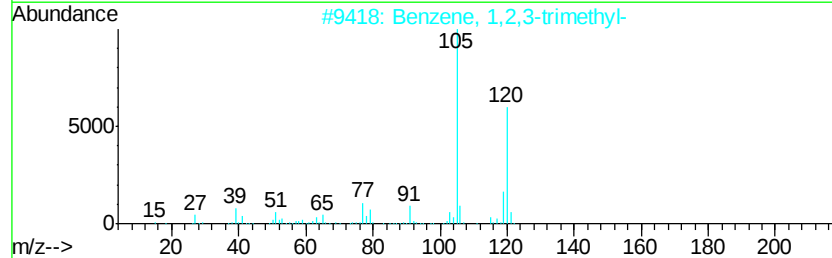
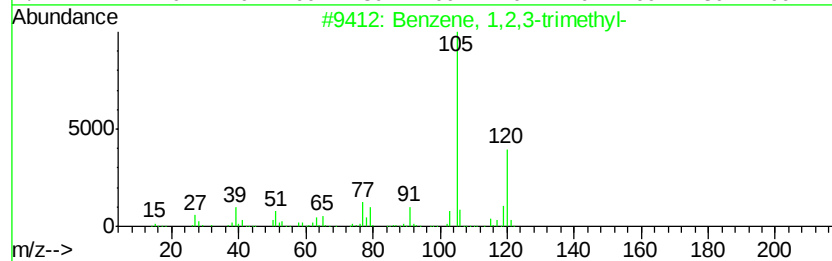
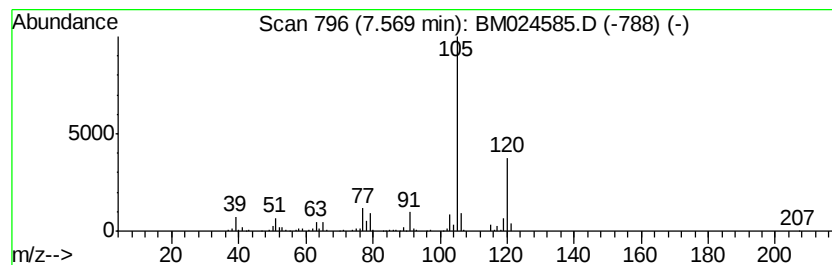
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 44

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.57 | 6.64 ng/ul | 550823 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 94   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

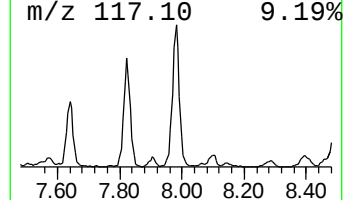
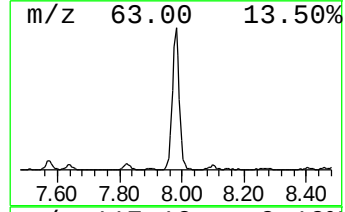
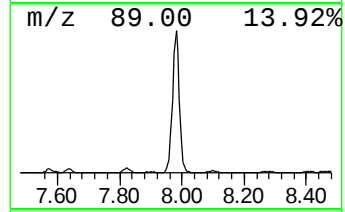
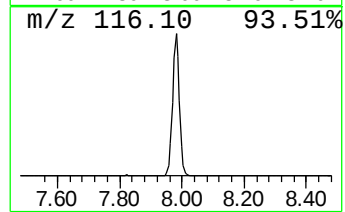
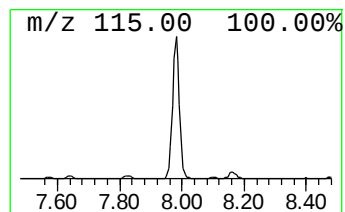
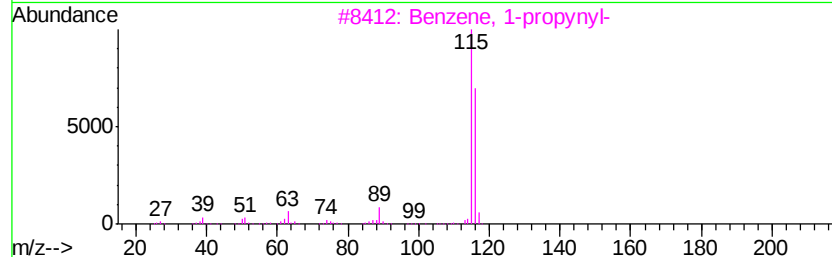
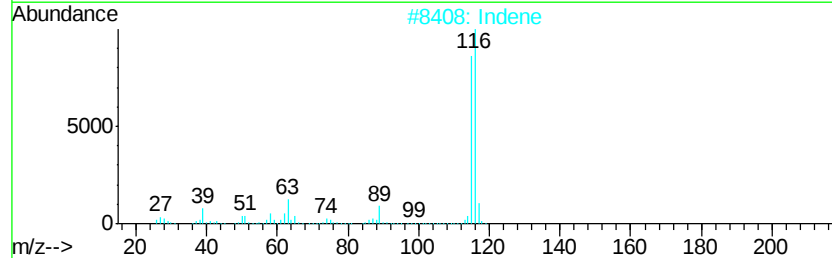
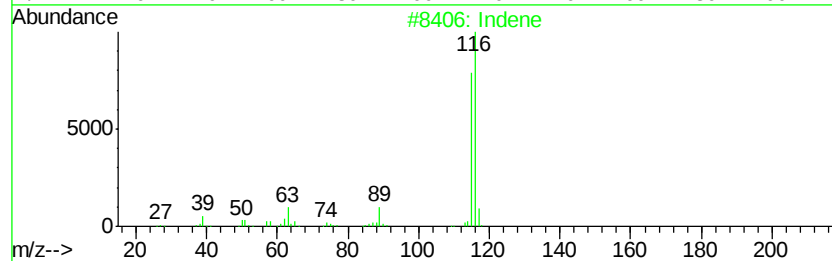
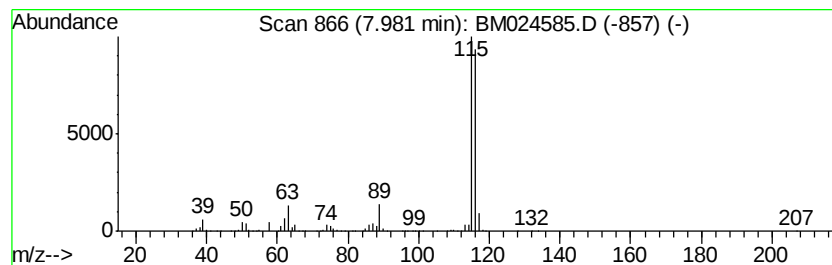
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Indene Concentration Rank 9

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 7.98 | 41.96 ng/ul | 3480010 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# of | 5                       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------|--------------|-----|---------|-------------|------|
| 1       | Indene                  |              | 116 | C9H8    | 000095-13-6 | 97   |
| 2       | Indene                  |              | 116 | C9H8    | 000095-13-6 | 95   |
| 3       | Benzene, 1-propynyl-    |              | 116 | C9H8    | 000673-32-5 | 94   |
| 4       | 1-Propyne, 3-phenyl-    |              | 116 | C9H8    | 010147-11-2 | 94   |
| 5       | 3-Methylphenylacetylene |              | 116 | C9H8    | 000766-82-5 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

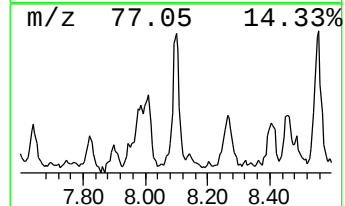
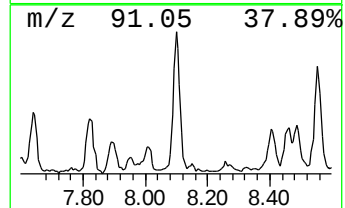
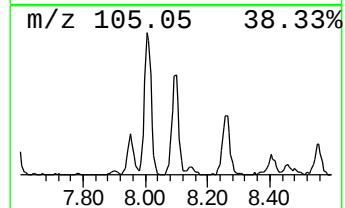
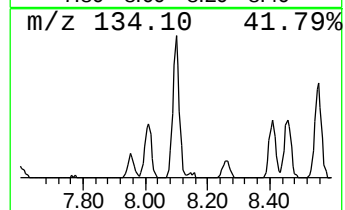
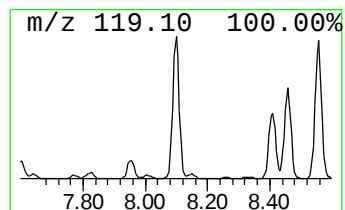
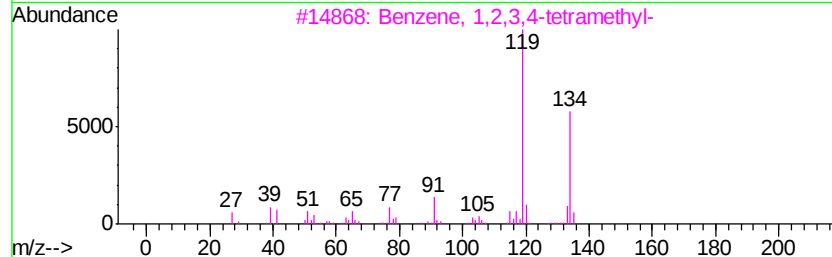
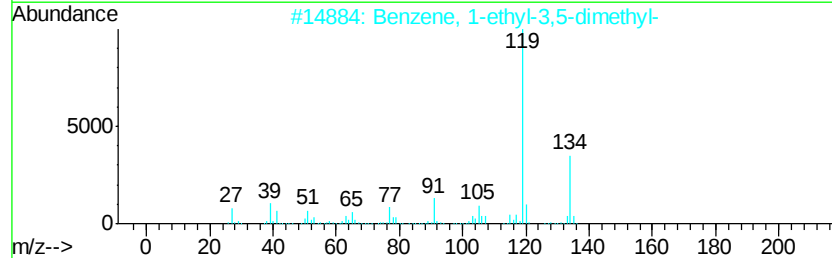
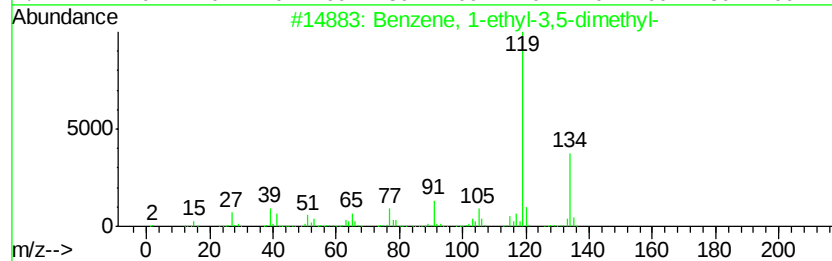
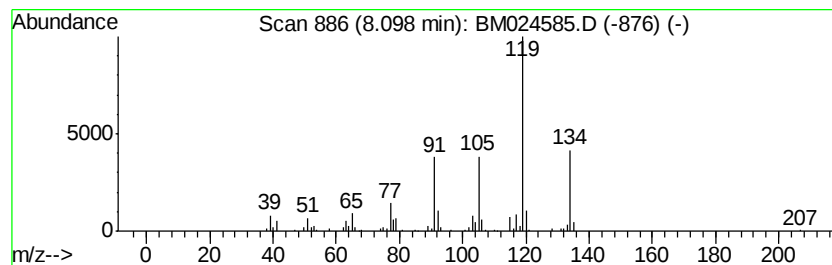
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 53

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.10 | 4.23 ng/ul | 350491 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 95   |
| 2    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 94   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 4    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

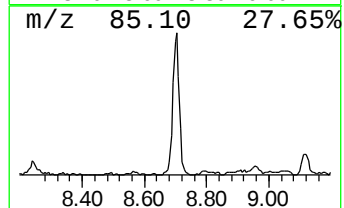
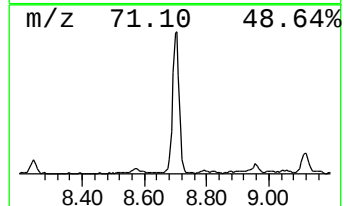
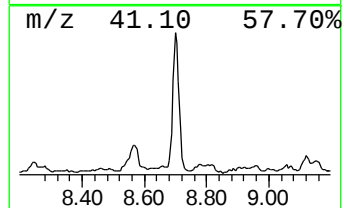
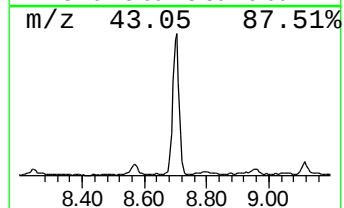
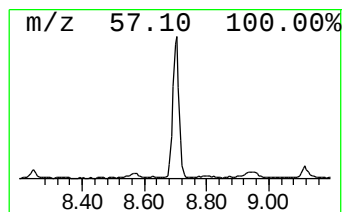
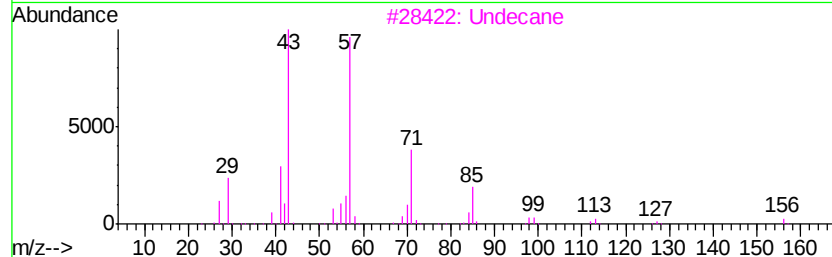
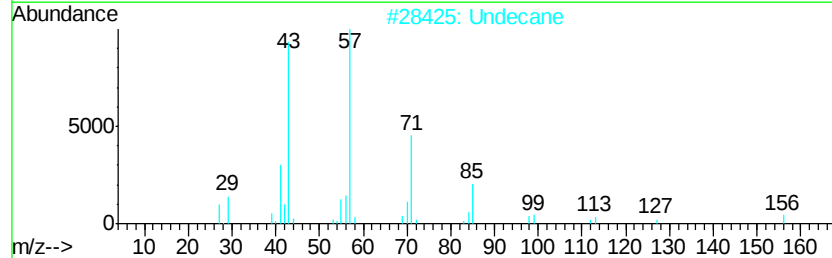
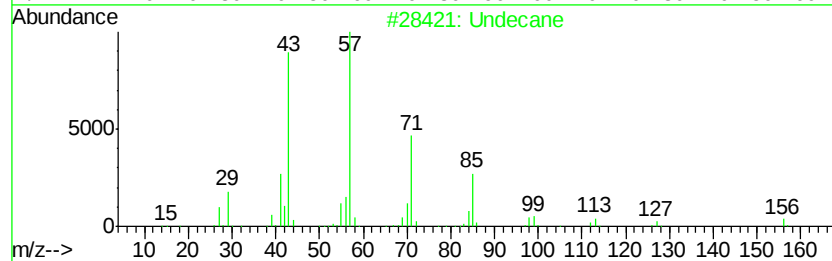
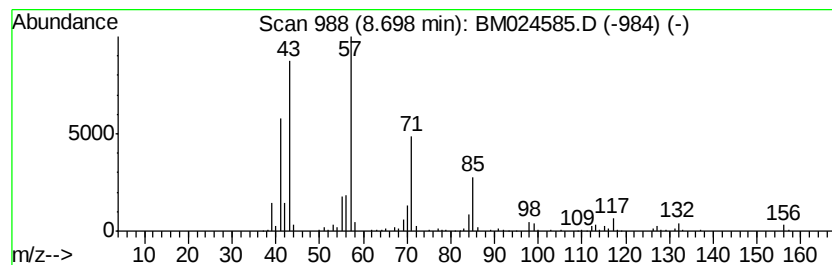
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 8.70 | 13.10 ng/ul | 1086720 | 1,4-Dichlorobenzene-d4 | 7.45 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Undecane     | 156 | C11H24  | 001120-21-4 | 95   |
| 2    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 92   |
| 3    |    | Undecane     | 156 | C11H24  | 001120-21-4 | 81   |
| 4    |    | Decane       | 142 | C10H22  | 000124-18-5 | 64   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

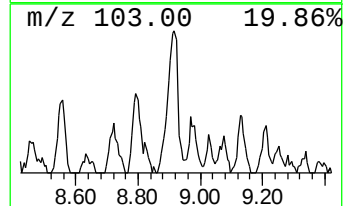
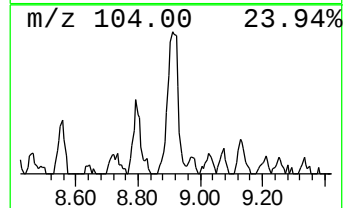
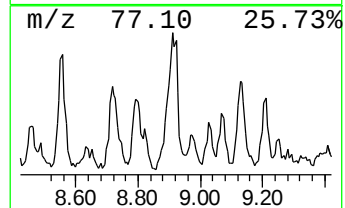
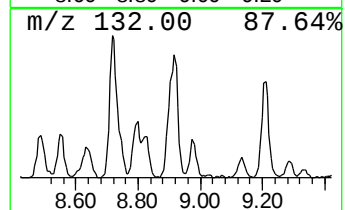
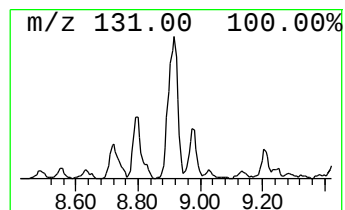
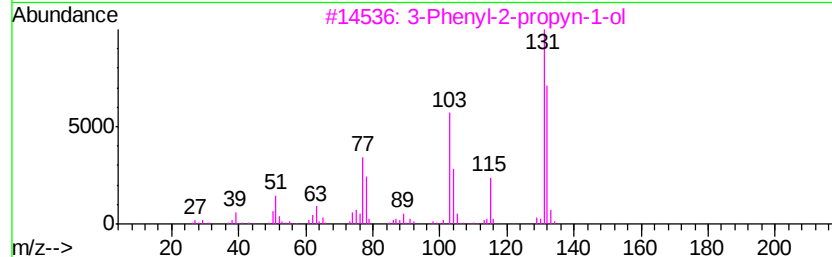
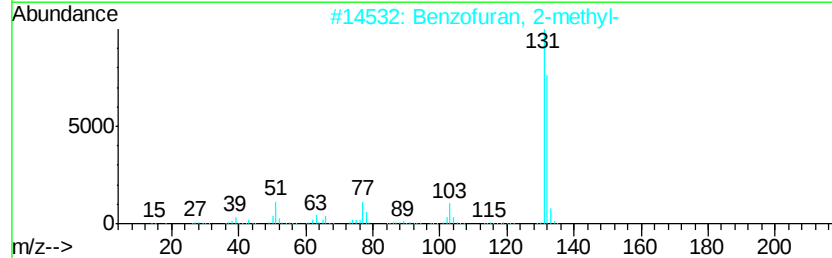
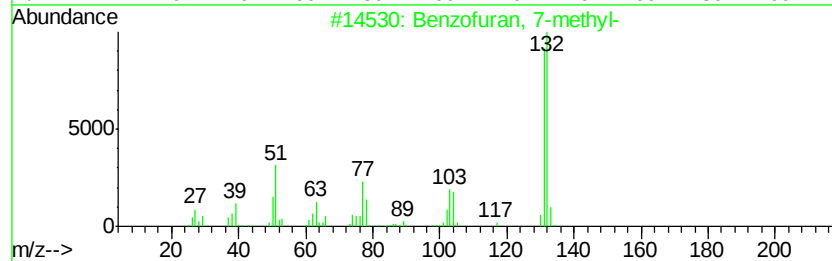
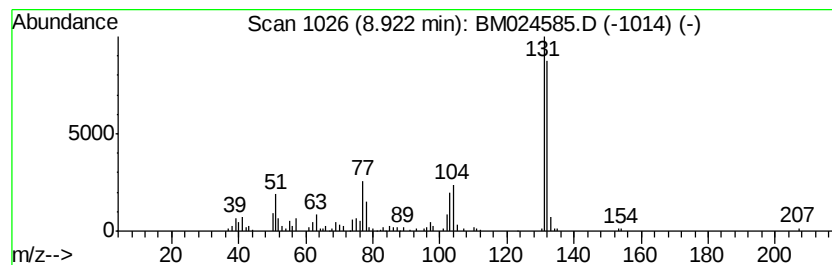
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 60

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 8.92 | 3.25 ng/ul | 443249 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzofuran, 7-methyl-  | 132 | C9H8O   | 017059-52-8 | 91   |
| 2    |    | Benzofuran, 2-methyl-  | 132 | C9H8O   | 004265-25-2 | 90   |
| 3    |    | 3-Phenvl-2-propyn-1-ol | 132 | C9H8O   | 001504-58-1 | 90   |
| 4    |    | Benzofuran, 2-methyl-  | 132 | C9H8O   | 004265-25-2 | 90   |
| 5    |    | Benzofuran, 2-methyl-  | 132 | C9H8O   | 004265-25-2 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

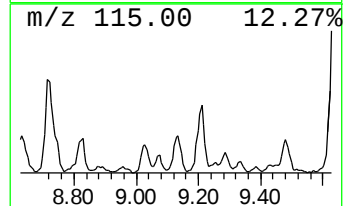
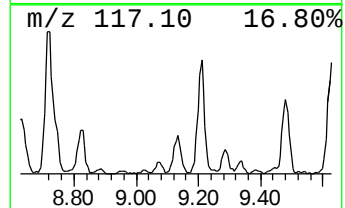
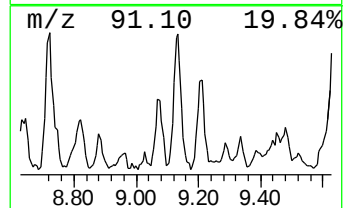
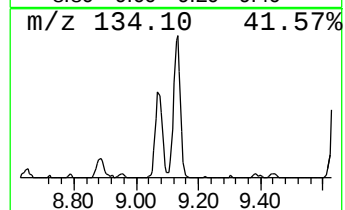
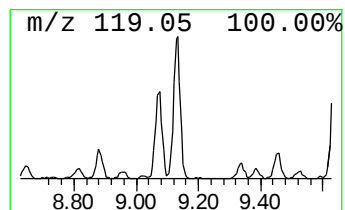
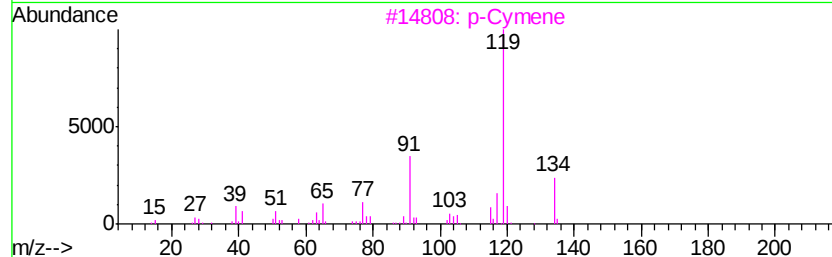
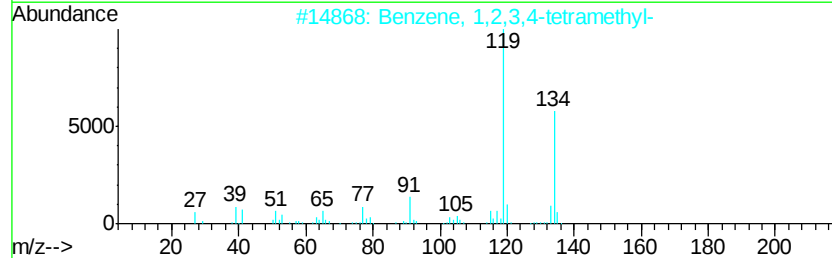
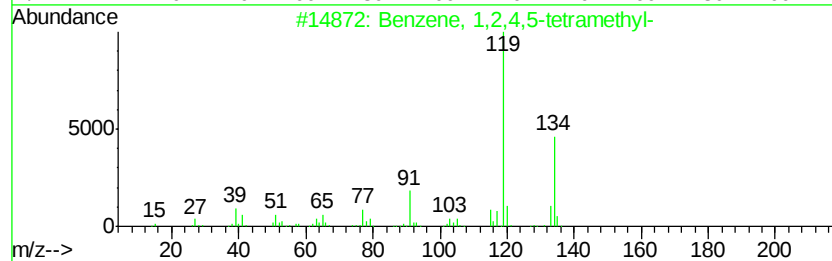
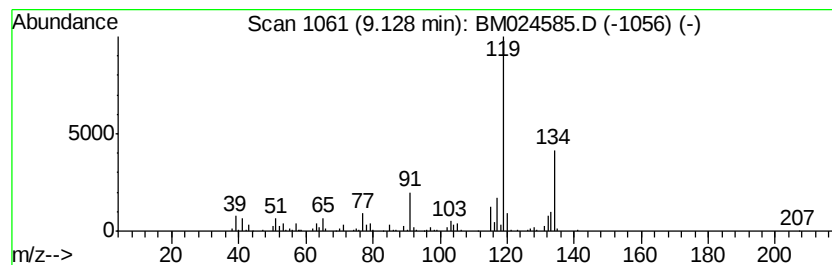
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 59

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.13 | 3.38 ng/ul | 461633 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 93   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 90   |
| 3    |    | p-Cymene                      | 134 | C10H14  | 000099-87-6 | 90   |
| 4    |    | o-Cymene                      | 134 | C10H14  | 000527-84-4 | 90   |
| 5    |    | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

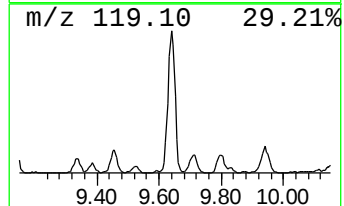
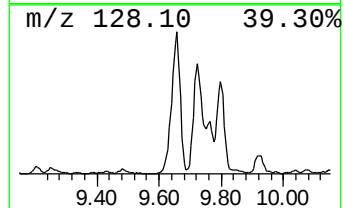
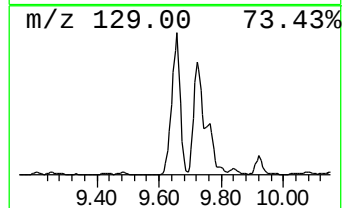
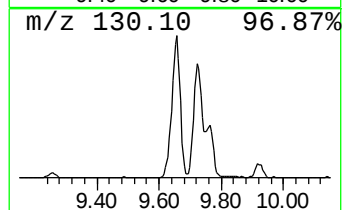
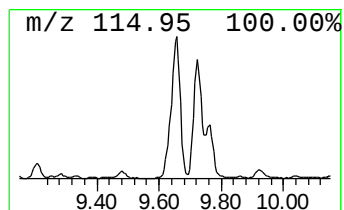
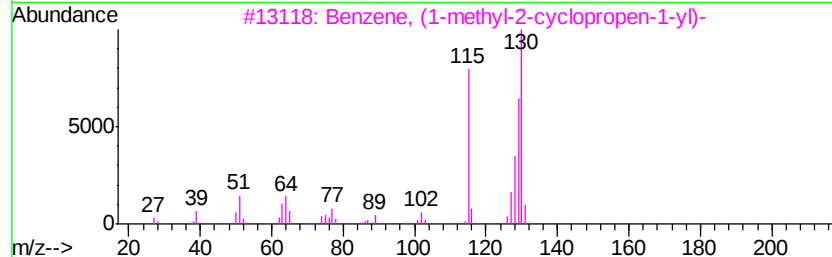
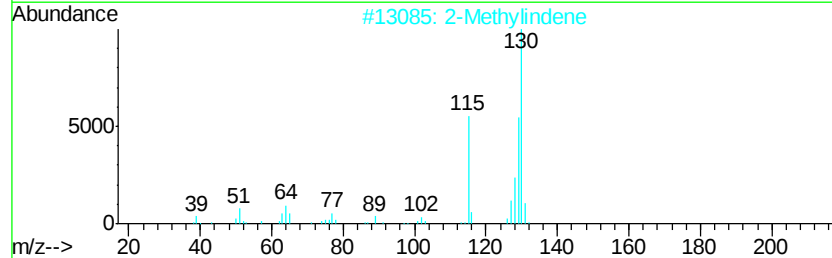
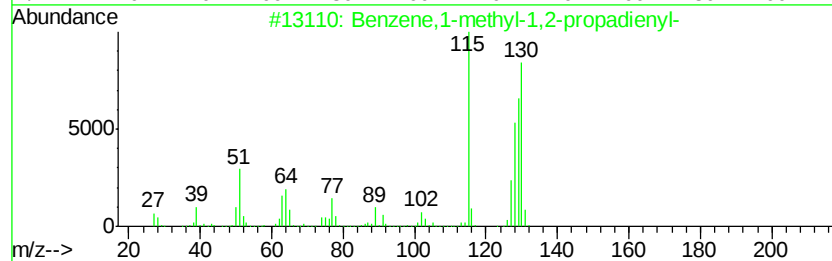
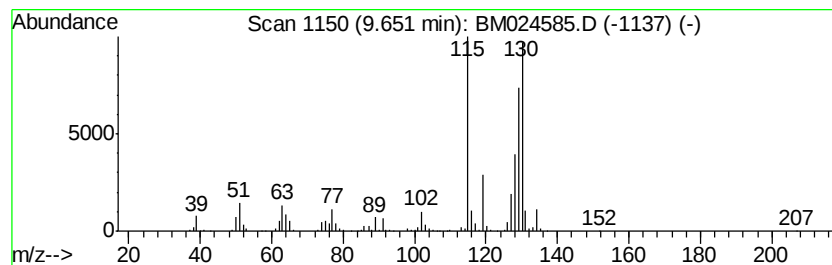
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Benzene,1-methyl-1,2-propad... Concentration Rank 27

| R.T. | EstConc     | Area    | Relative to ISTD | R.T.  |
|------|-------------|---------|------------------|-------|
| 9.65 | 14.14 ng/ul | 1928740 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 96   |
| 2    |    | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 95   |
| 3    |    | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 93   |
| 4    |    | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 93   |
| 5    |    | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

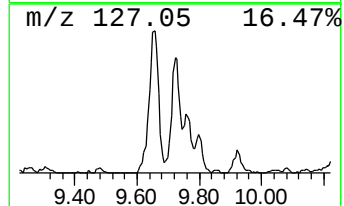
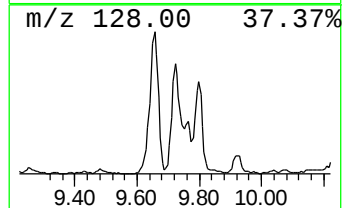
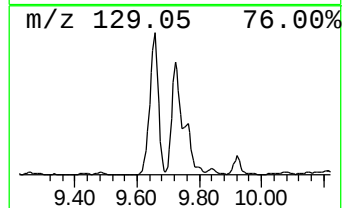
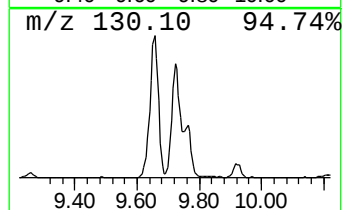
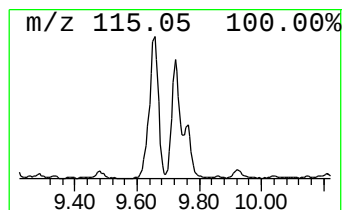
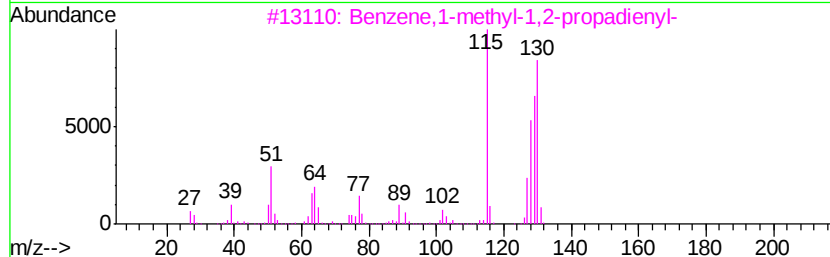
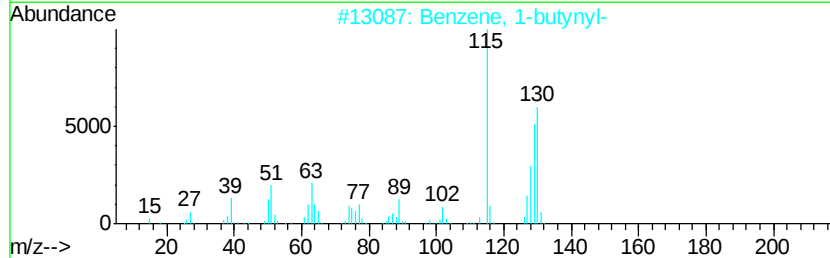
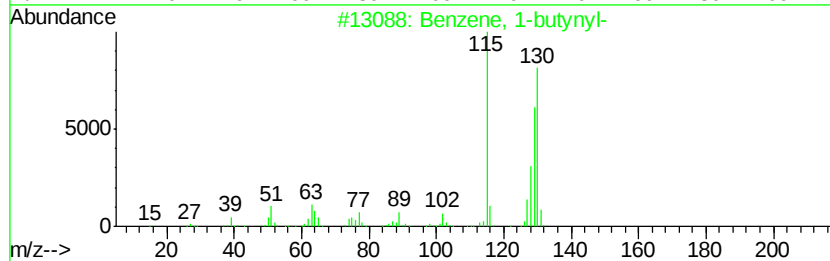
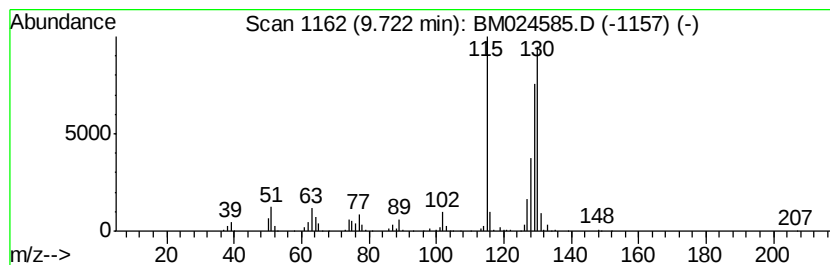
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Benzene, 1-butylnyl- Concentration Rank 47

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.72 | 5.92 ng/ul | 807530 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-butylnyl-               | 130 | C10H10  | 000622-76-4 | 94   |
| 2    |    | Benzene, 1-butylnyl-               | 130 | C10H10  | 000622-76-4 | 94   |
| 3    |    | Benzene, 1-methyl-1,2-propadienyl- | 130 | C10H10  | 022433-39-2 | 93   |
| 4    |    | 2-Methylindene                     | 130 | C10H10  | 002177-47-1 | 93   |
| 5    |    | 2-Methylindene                     | 130 | C10H10  | 002177-47-1 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

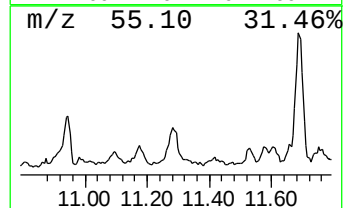
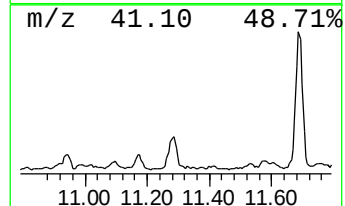
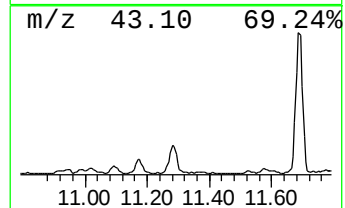
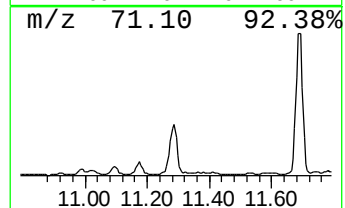
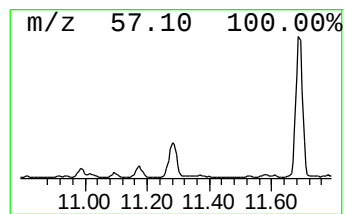
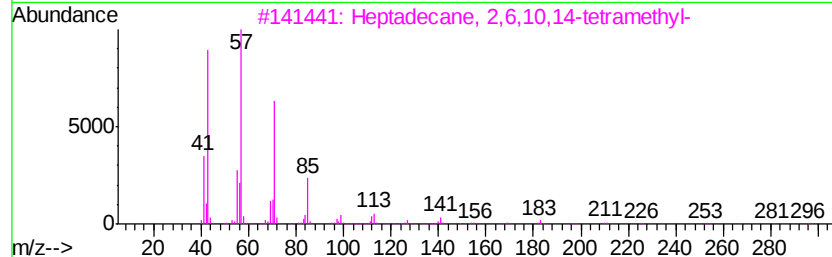
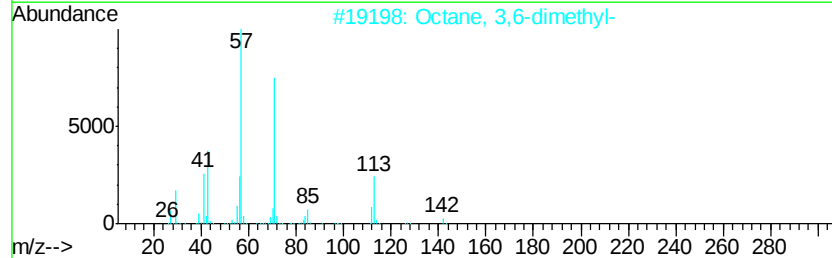
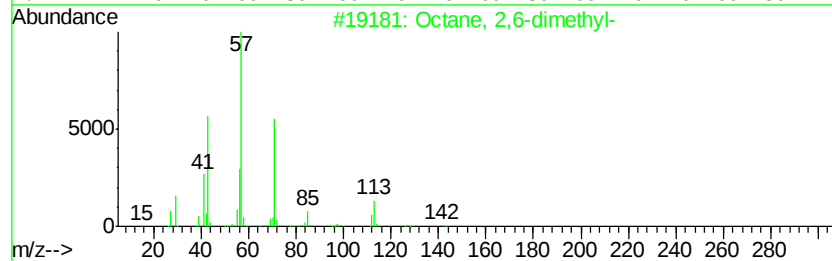
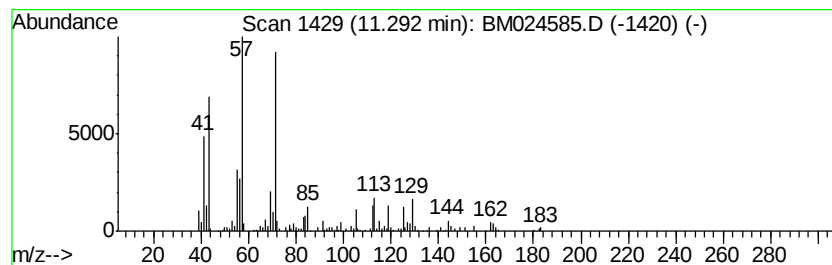
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 56

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.29 | 3.96 ng/ul | 540069 | Naphthalene-d8   | 10.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22  | 002051-30-1 | 72   |
| 2    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22  | 015869-94-0 | 64   |
| 3    |    |   | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 59   |
| 4    |    |   | Octane, 2,3,7-trimethyl-            | 156 | C11H24  | 062016-34-6 | 59   |
| 5    |    |   | Tridecane, 7-methyl-                | 198 | C14H30  | 026730-14-3 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

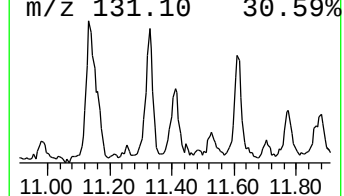
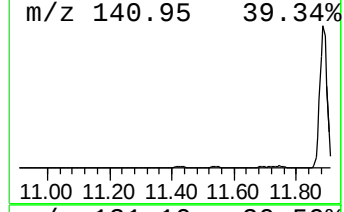
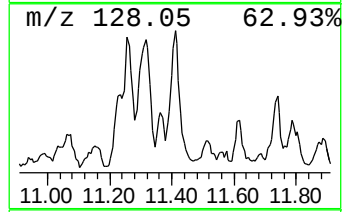
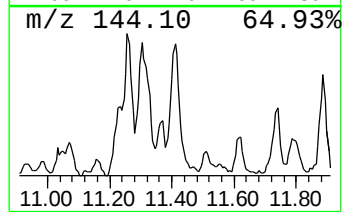
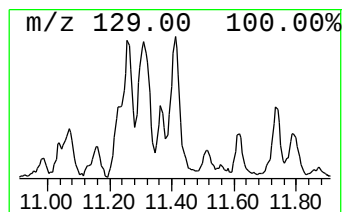
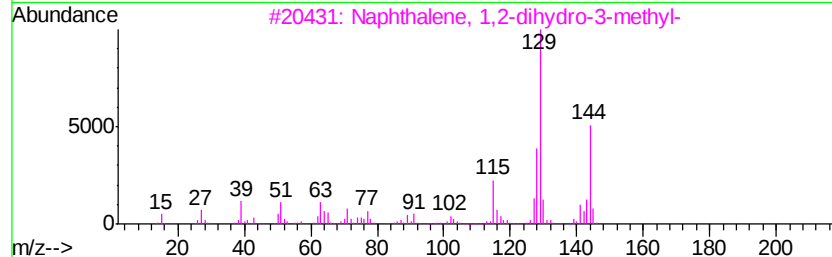
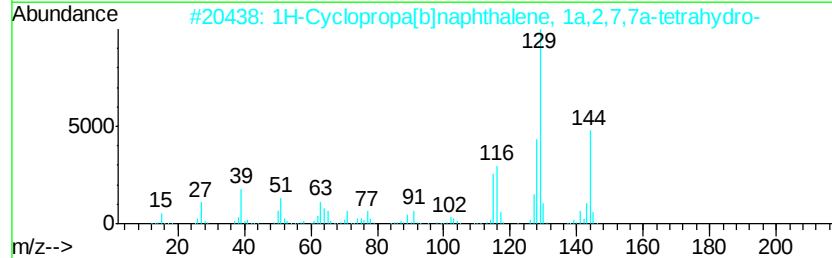
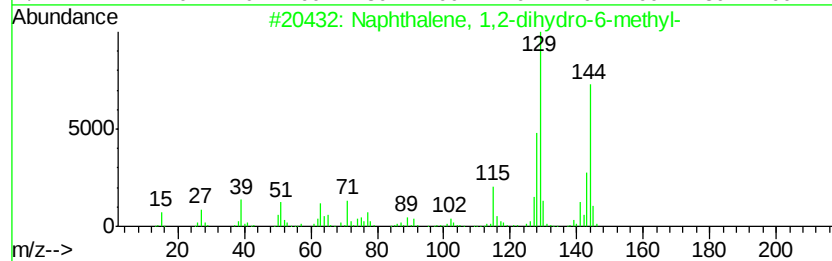
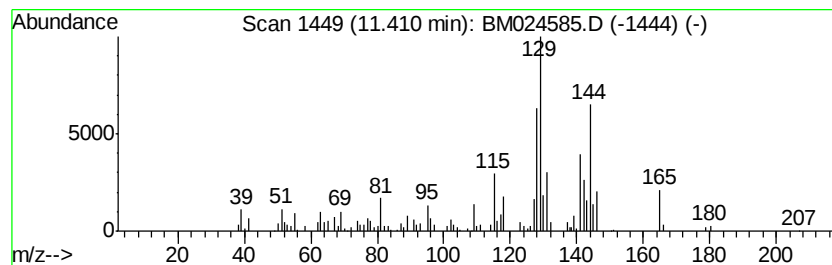
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Naphthalene, 1,2-dihydro-6-... Concentration Rank 61

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.41 | 2.66 ng/ul | 362496 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,2-dihydro-6-methyl-  | 144 | C11H12  | 002717-47-7  | 55   |
| 2    |    | 1H-Cyclopropa[b]naphthalene, 1a,... | 144 | C11H12  | 006571-72-8  | 55   |
| 3    |    | Naphthalene, 1,2-dihydro-3-methyl-  | 144 | C11H12  | 002717-44-4  | 53   |
| 4    |    | 1H-Indene, 1,3-dimethyl-            | 144 | C11H12  | 002177-48-2  | 49   |
| 5    |    | Benzene, (2-cyclopropylethenyl)-    | 144 | C11H12  | 1000142-01-6 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

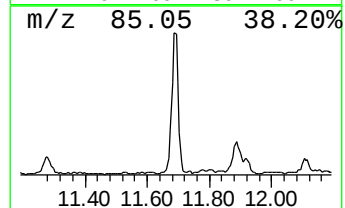
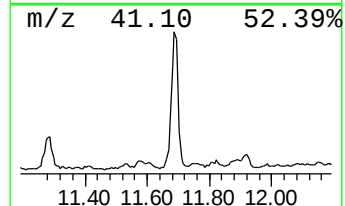
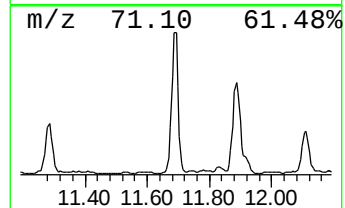
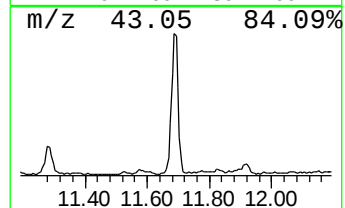
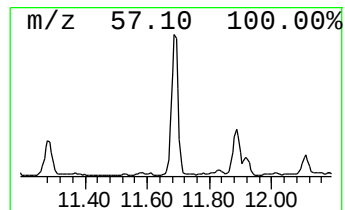
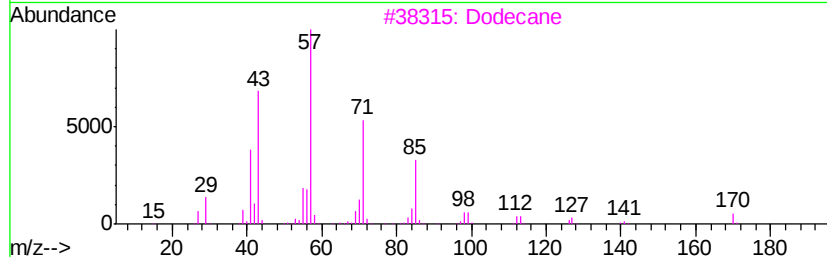
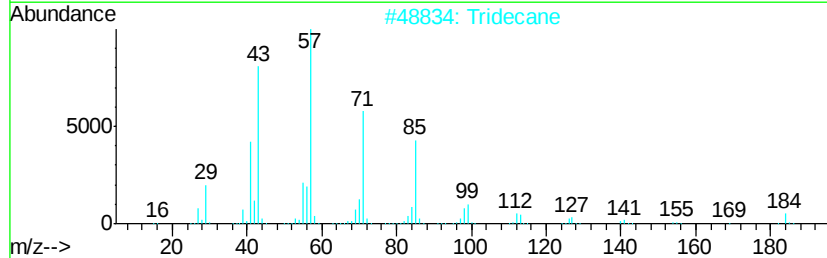
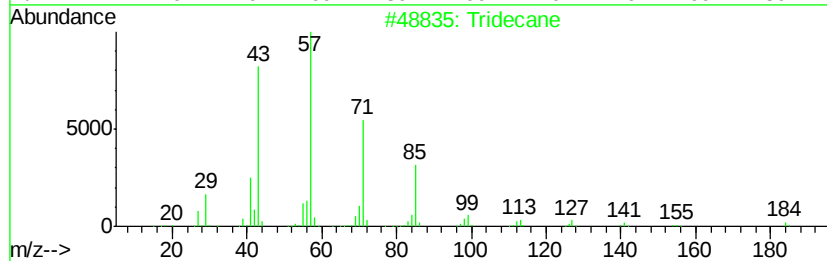
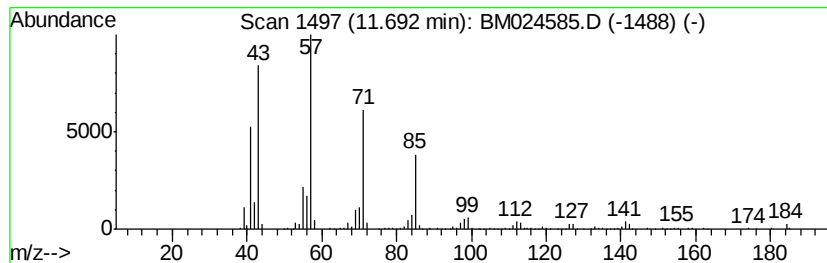
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 34

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 11.69 | 9.82 ng/ul | 1339580 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane    | 184 | C13H28  | 000629-50-5 | 95   |
| 2    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 95   |
| 3    |    | Dodecane     | 170 | C12H26  | 000112-40-3 | 90   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 90   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

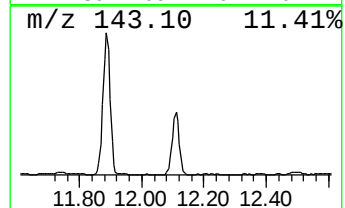
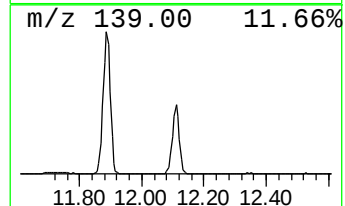
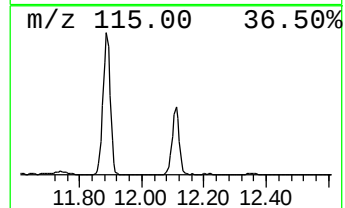
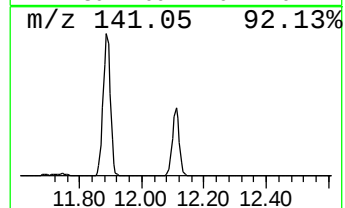
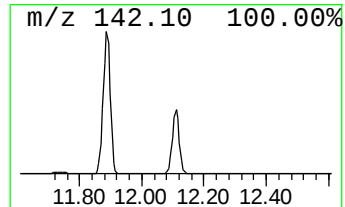
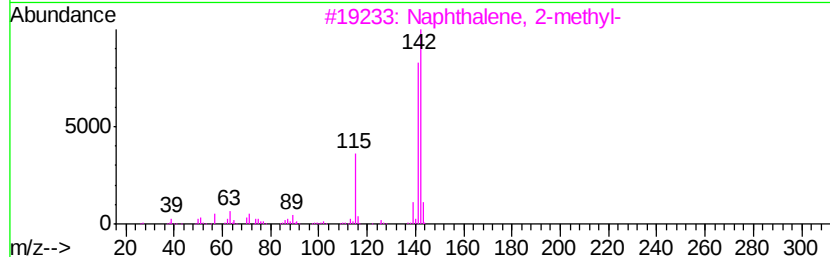
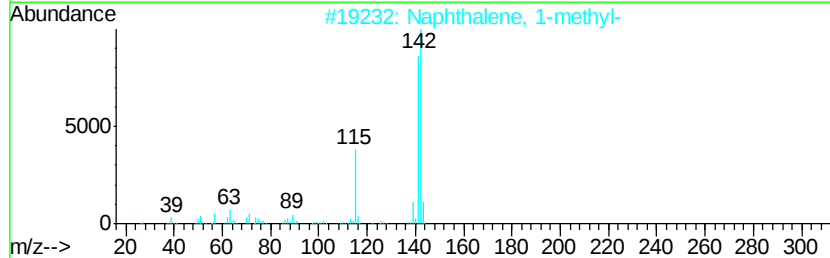
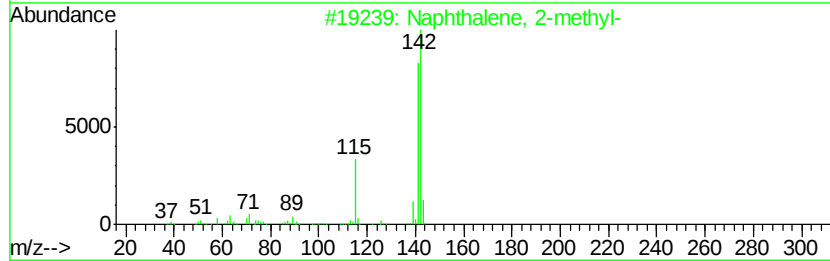
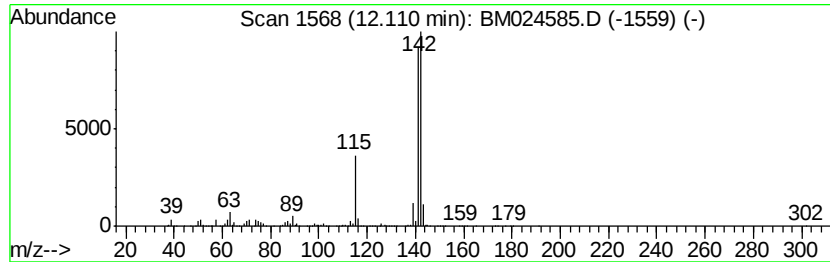
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 12

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 12.11 | 31.05 ng/ul | 4234560 | Naphthalene-d8   | 10.21 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 91   |
| 5    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

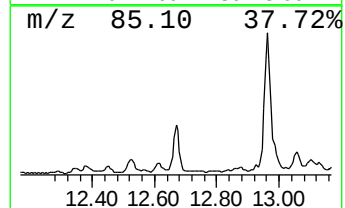
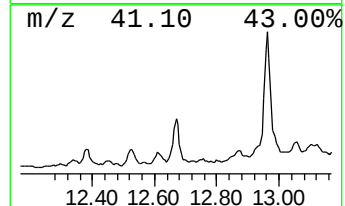
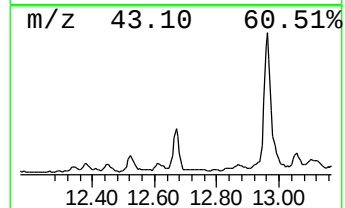
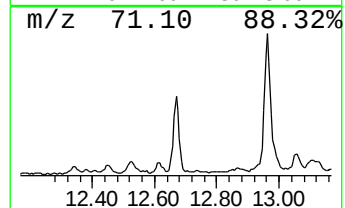
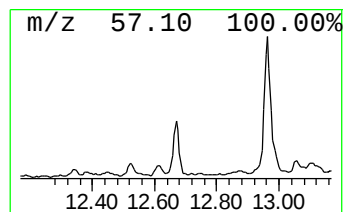
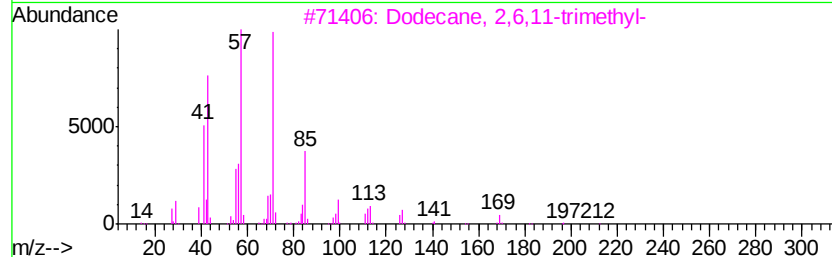
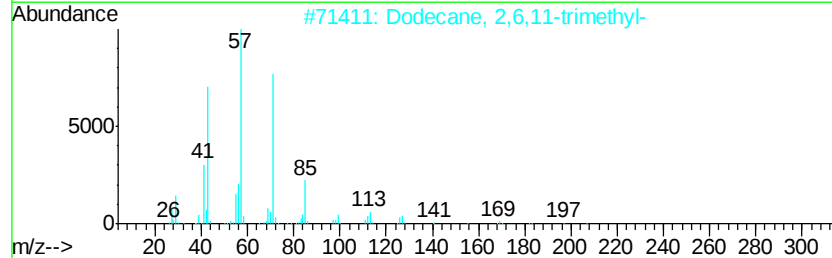
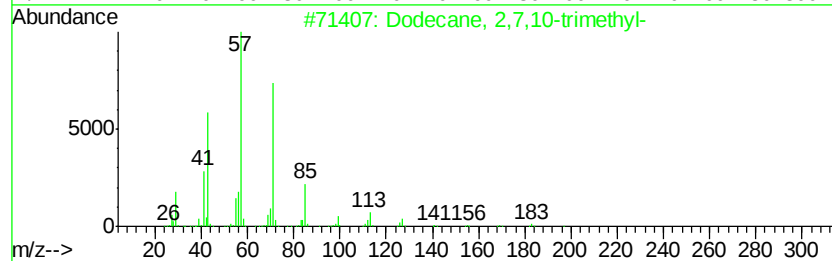
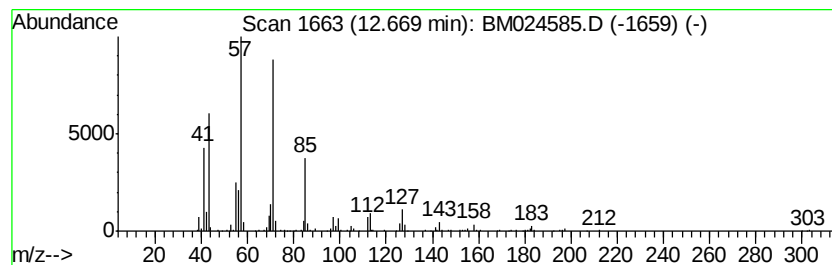
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 64

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.67 | 2.22 ng/ul | 471546 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 86   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 78   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 74   |
| 4    |    |   | Octane, 2,6-dimethyl-       | 142 | C10H22  | 002051-30-1 | 72   |
| 5    |    |   | Decane, 5-propyl-           | 184 | C13H28  | 017312-62-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

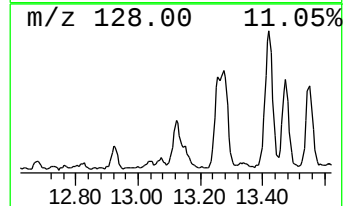
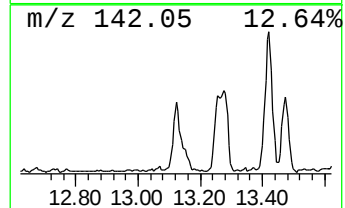
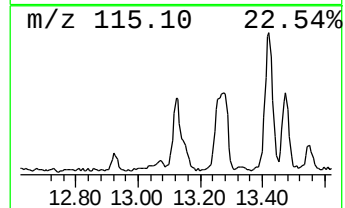
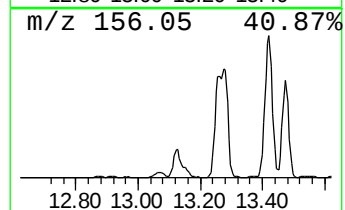
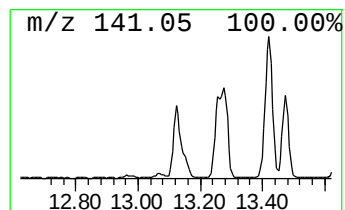
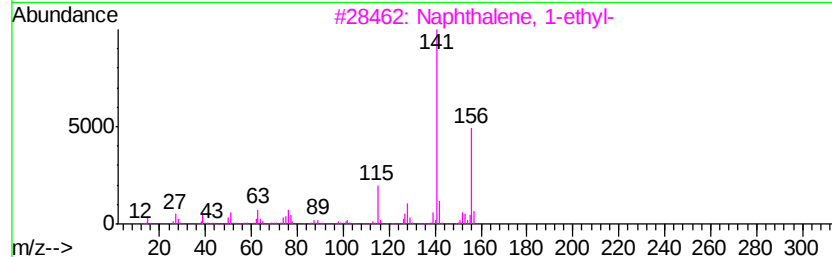
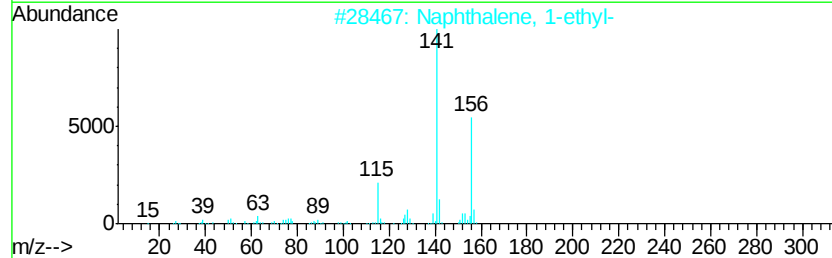
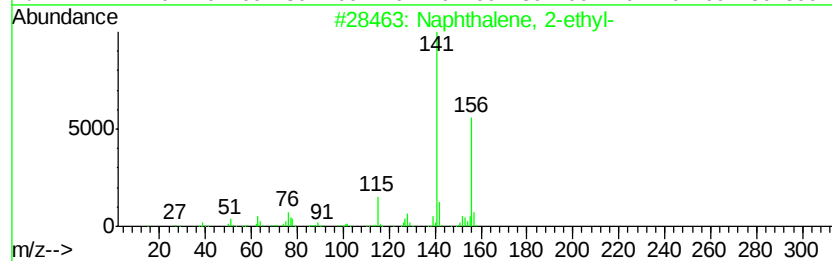
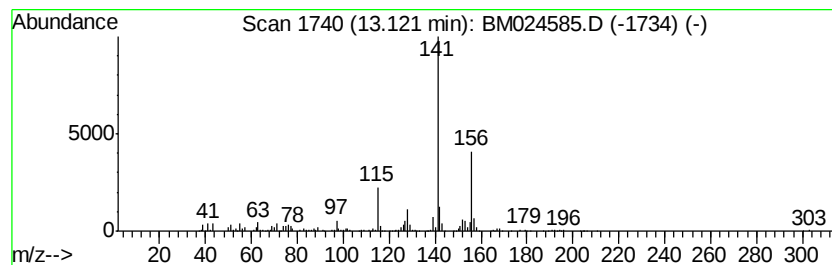
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Naphthalene, 2-ethyl- Concentration Rank 52

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.12 | 4.23 ng/ul | 898003 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-ethyl- | 156 | C12H12  | 000939-27-5 | 96   |
| 2    |    |   | Naphthalene, 1-ethyl- | 156 | C12H12  | 001127-76-0 | 96   |
| 3    |    |   | Naphthalene, 1-ethyl- | 156 | C12H12  | 001127-76-0 | 95   |
| 4    |    |   | Naphthalene, 1-ethyl- | 156 | C12H12  | 001127-76-0 | 94   |
| 5    |    |   | Naphthalene, 2-ethyl- | 156 | C12H12  | 000939-27-5 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleID :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

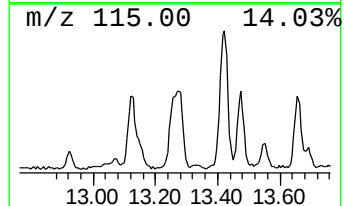
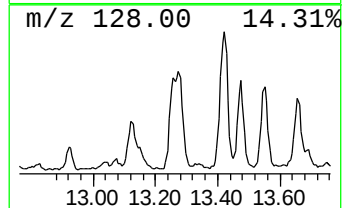
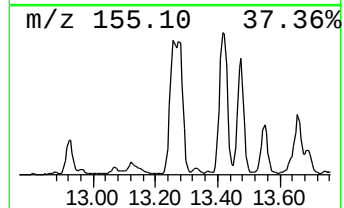
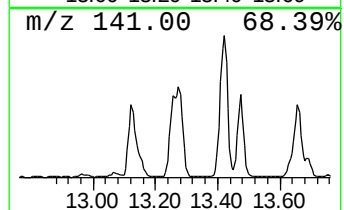
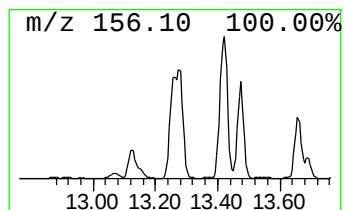
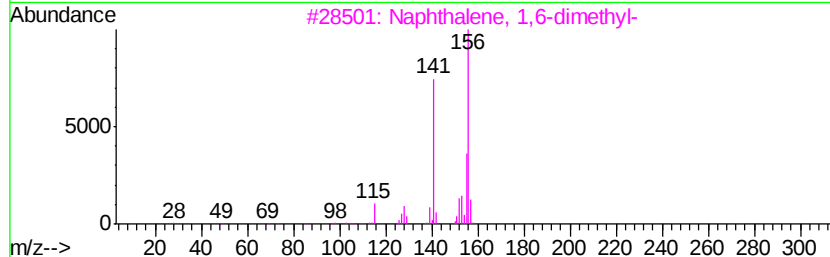
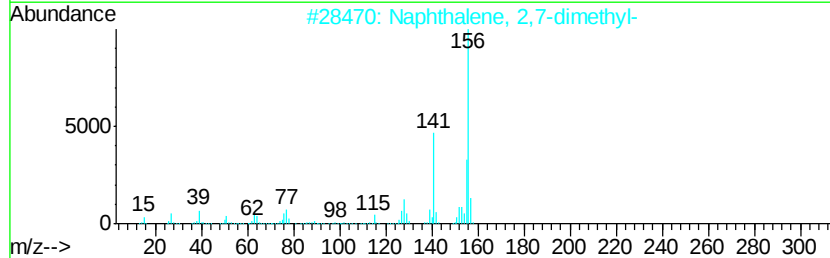
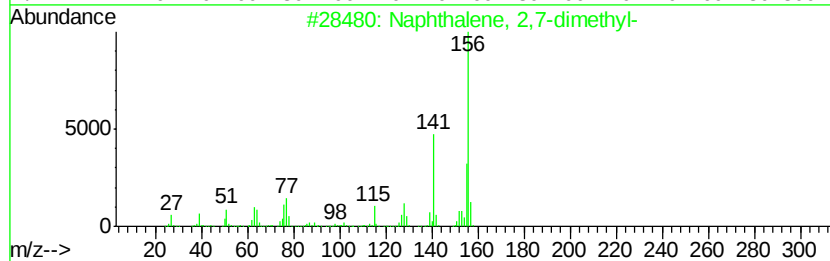
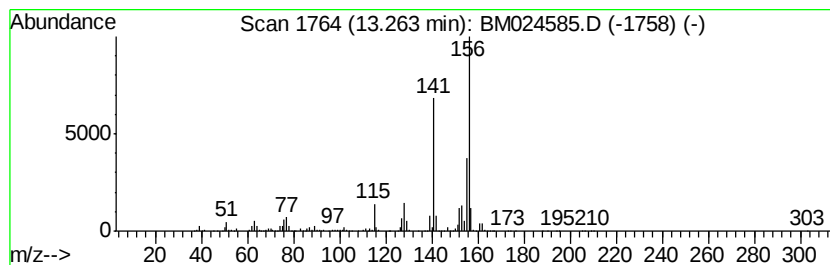
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 Naphthalene, 2,7-dimethyl- Concentration Rank 50

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.26 | 4.98 ng/ul | 1057850 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

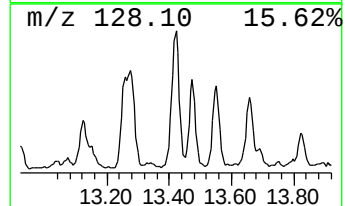
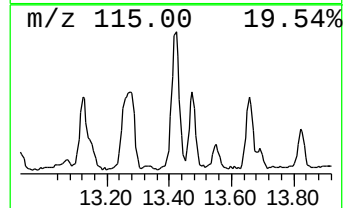
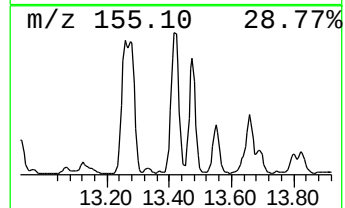
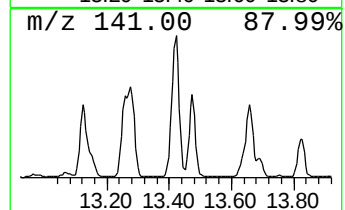
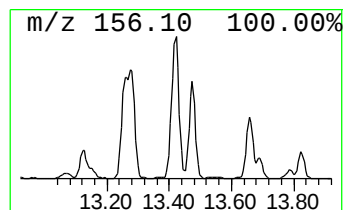
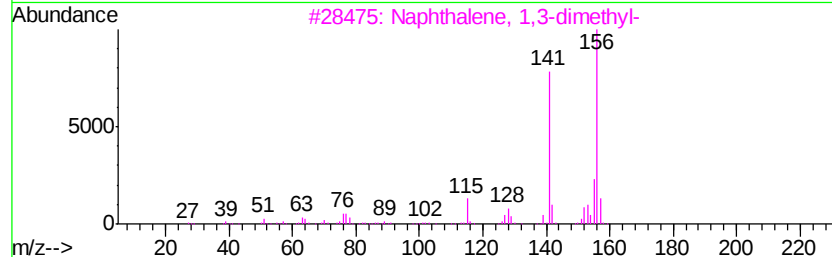
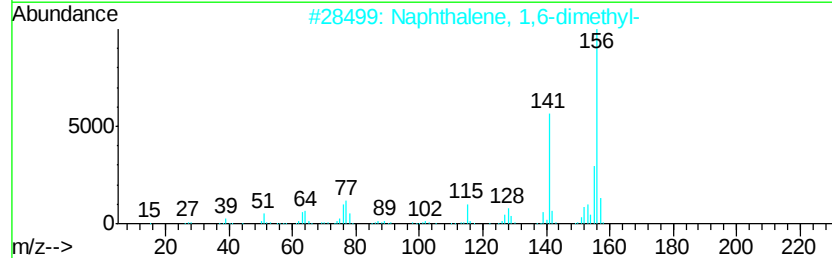
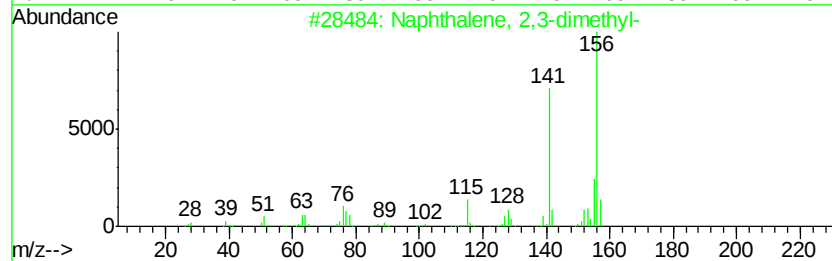
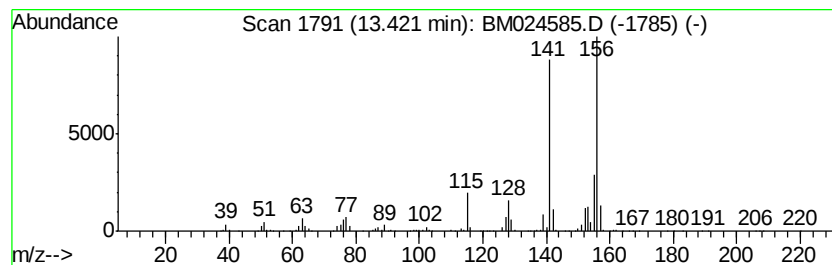
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 22 Naphthalene, 2,3-dimethyl- Concentration Rank 38

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.42 | 9.19 ng/ul | 1951290 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

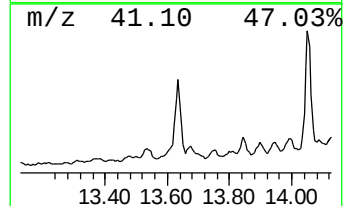
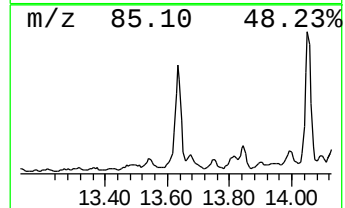
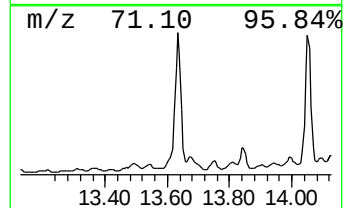
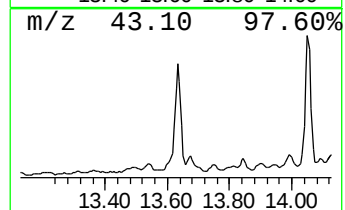
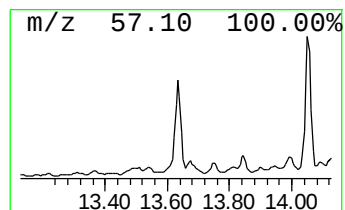
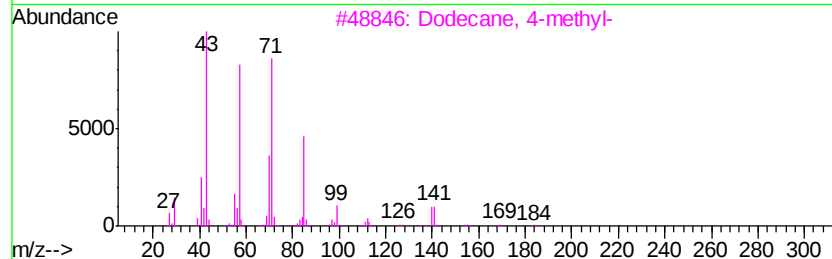
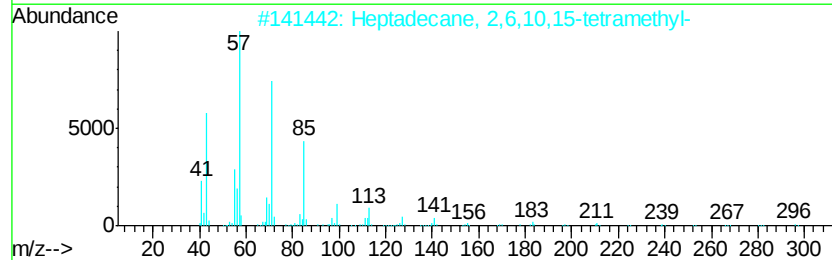
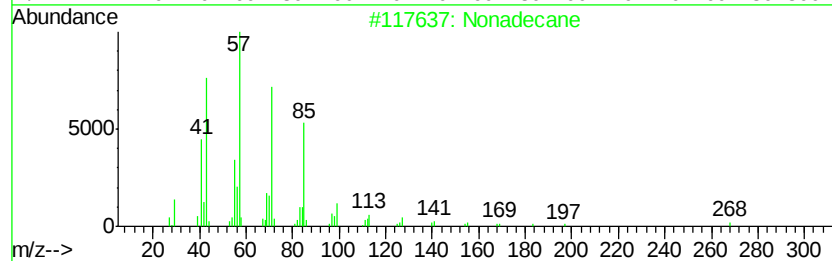
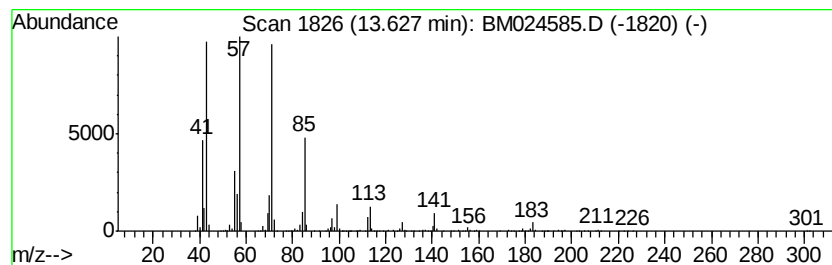
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 13.63 | 19.54 ng/ul | 4150480 | Acenaphthene-d10 | 14.10 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 3    |    | Dodecane, 4-methyl-                 | 184 | C13H28  | 006117-97-1 | 76   |
| 4    |    | Dodecane, 2-methyl-8-propyl-        | 226 | C16H34  | 055045-07-3 | 74   |
| 5    |    | Decane, 2-methyl-                   | 156 | C11H24  | 006975-98-0 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

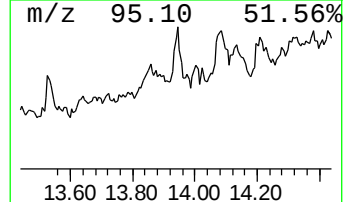
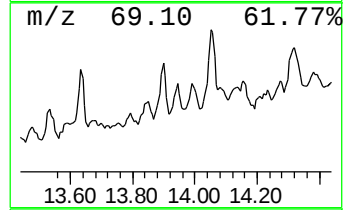
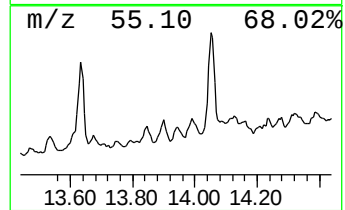
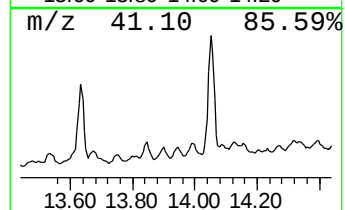
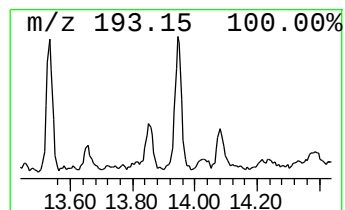
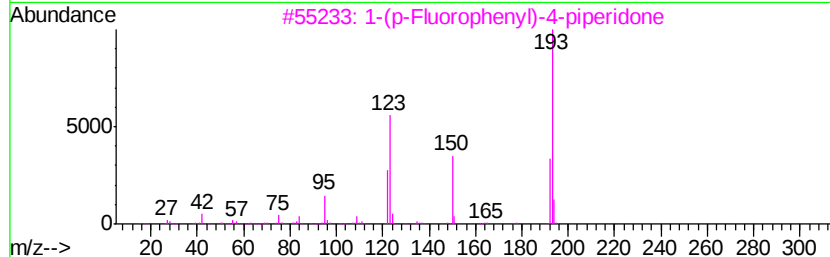
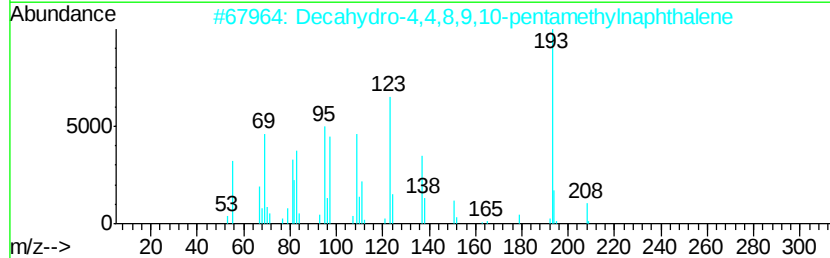
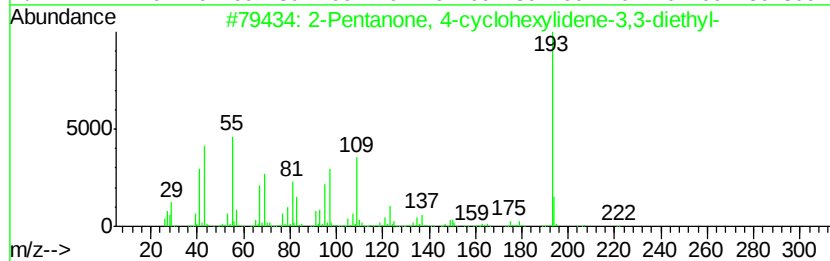
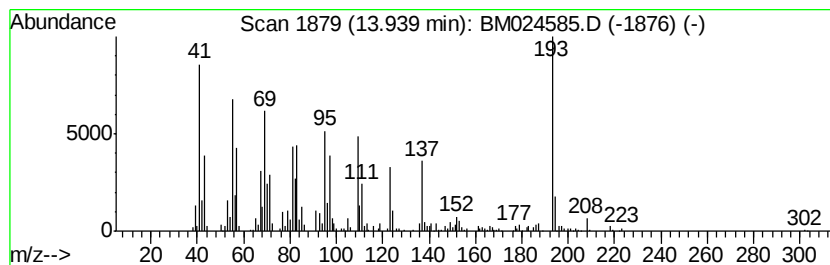
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 24 2-Pentanone, 4-cyclohexylidene... Concentration Rank 63

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.94 | 2.26 ng/ul | 478911 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2-Pentanone, 4-cvclohexvlidene-3... | 222 | C15H26O    | 313253-65-5  | 53   |
| 2    |    |   | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28     | 080655-44-3  | 38   |
| 3    |    |   | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FN0  | 1000238-56-7 | 38   |
| 4    |    |   | 1H-Pyrazole, 3,5-bis(1,1-dimethy... | 208 | C13H24N2   | 125281-21-2  | 27   |
| 5    |    |   | Butan-2-one, 1-[3-(3,3-dimethyl-... | 278 | C16H26N2O2 | 1000303-34-2 | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

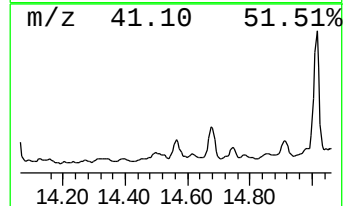
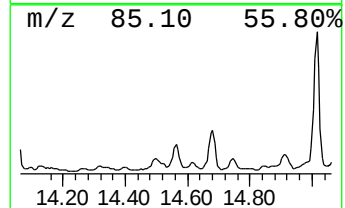
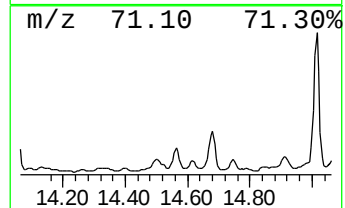
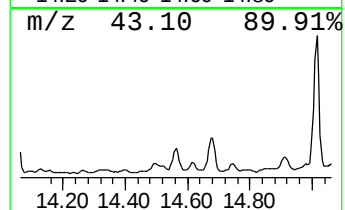
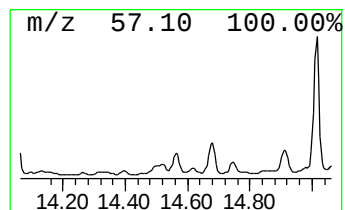
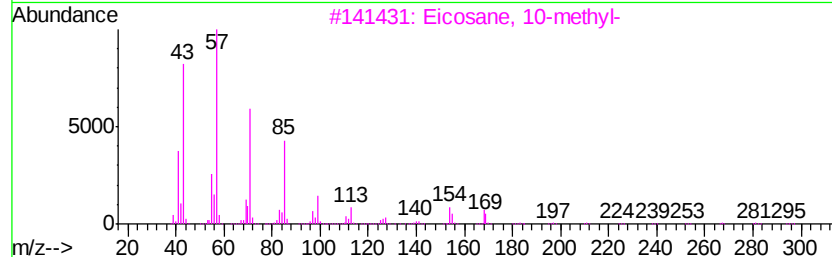
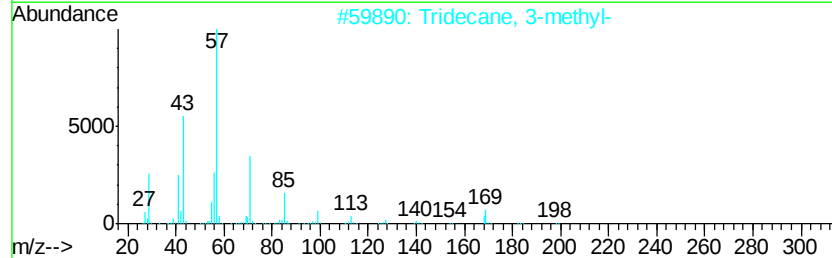
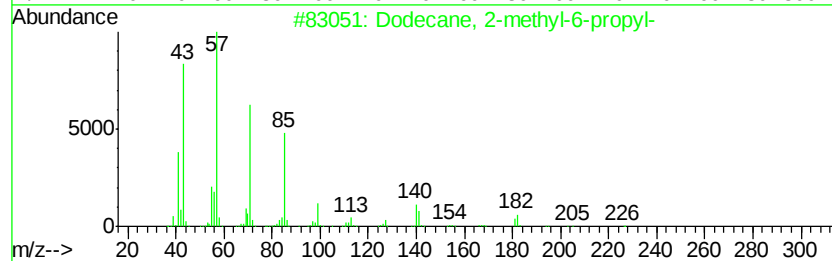
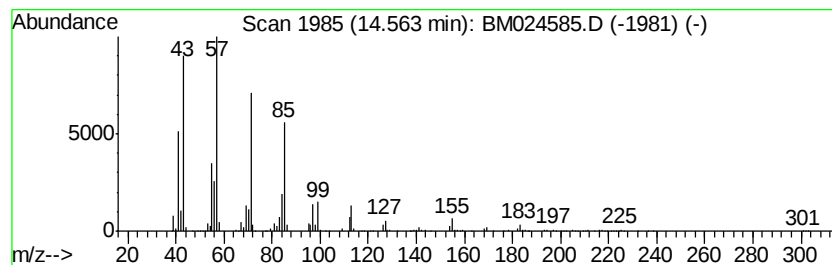
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 37

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 14.56 | 9.20 ng/ul | 1953020 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 83   |
| 2    |    |   | Tridecane, 3-methyl-         | 198 | C14H30  | 006418-41-3 | 80   |
| 3    |    |   | Eicosane, 10-methyl-         | 296 | C21H44  | 054833-23-7 | 80   |
| 4    |    |   | Tetradecane, 4-ethyl-        | 226 | C16H34  | 055045-14-2 | 80   |
| 5    |    |   | Nonane, 4,5-dimethyl-        | 156 | C11H24  | 017302-23-7 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

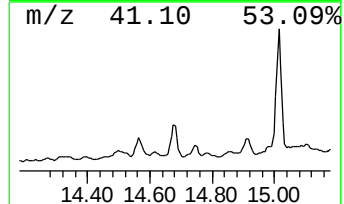
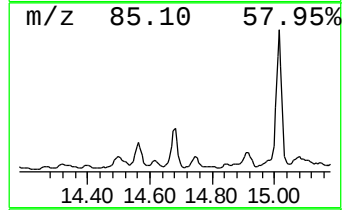
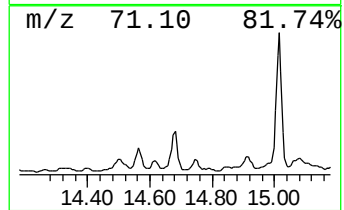
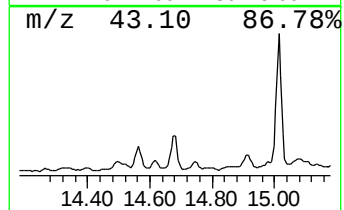
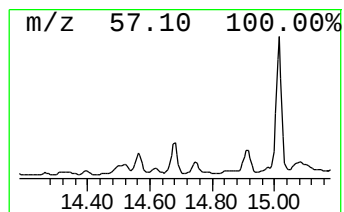
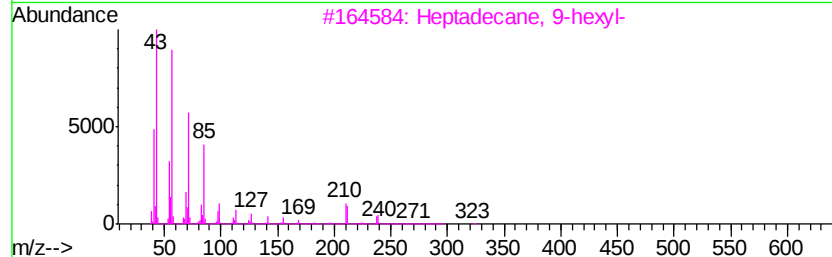
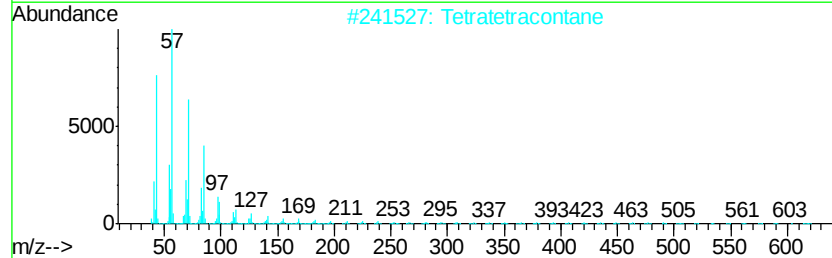
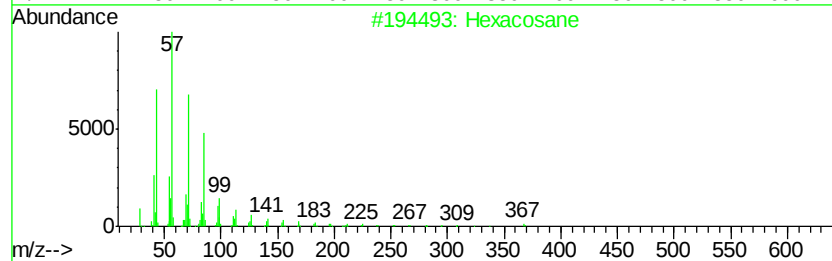
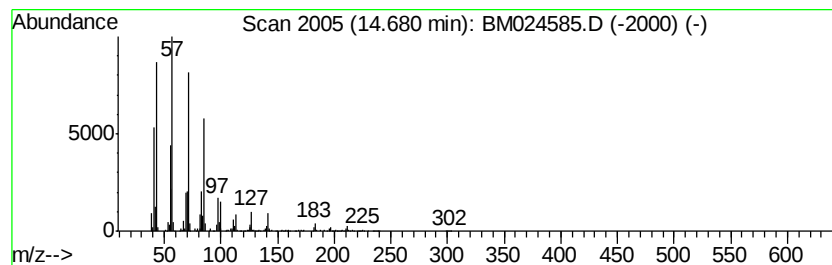
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 14.68 | 12.12 ng/ul | 2573220 | Acenaphthene-d10 | 14.10 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3 | 83   |
| 2    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 80   |
| 3    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 80   |
| 4    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 74   |
| 5    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

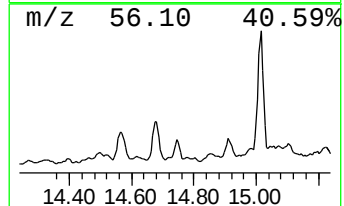
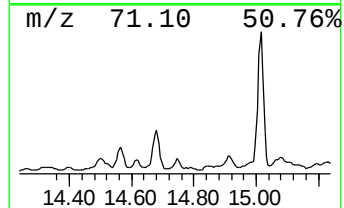
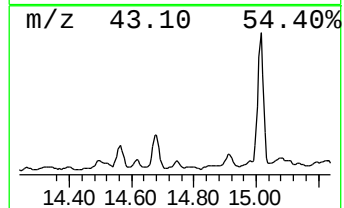
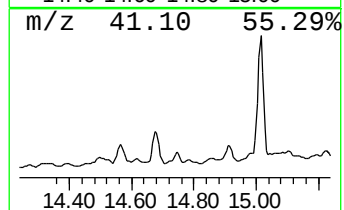
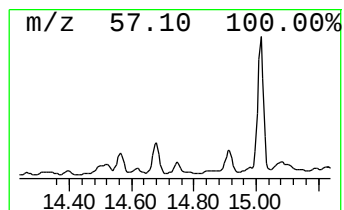
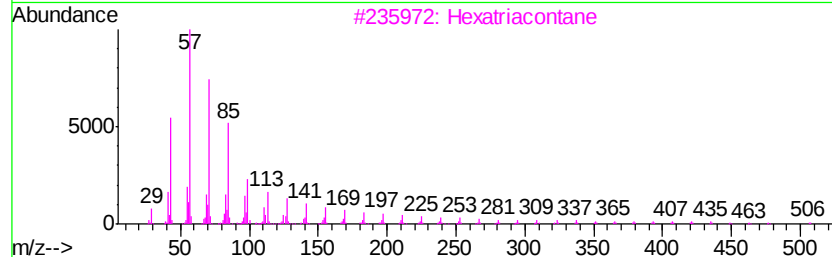
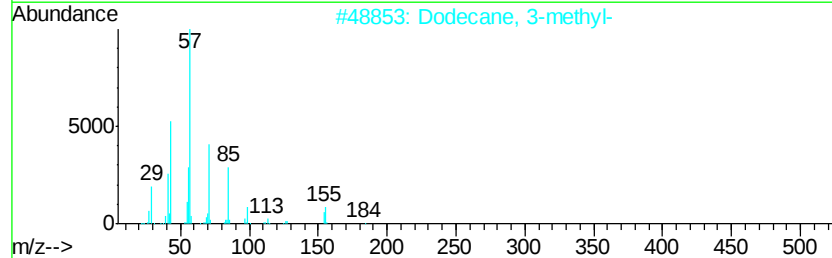
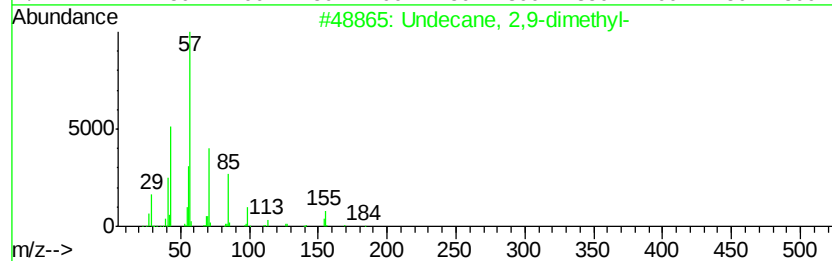
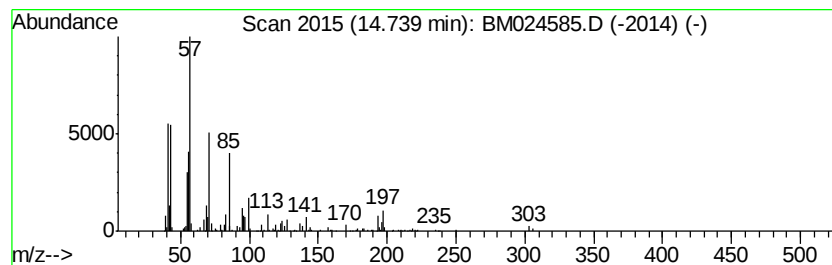
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 57

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.74 | 3.79 ng/ul | 804624 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,9-dimethyl- | 184 | C13H28  | 017301-26-7 | 72   |
| 2    |    |   | Dodecane, 3-methyl-     | 184 | C13H28  | 017312-57-1 | 64   |
| 3    |    |   | Hexatriacontane         | 507 | C36H74  | 000630-06-8 | 59   |
| 4    |    |   | Octadecane, 1-iodo-     | 380 | C18H37I | 000629-93-6 | 58   |
| 5    |    |   | Heptacosane             | 380 | C27H56  | 000593-49-7 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

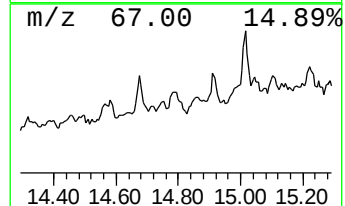
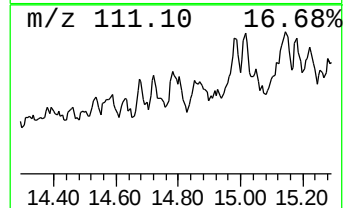
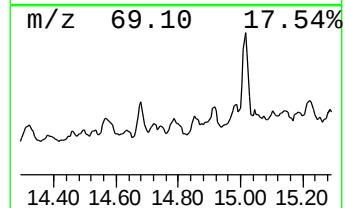
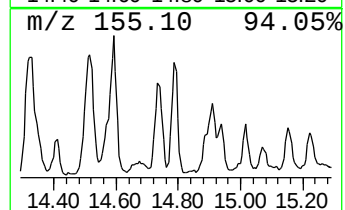
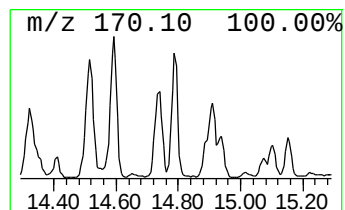
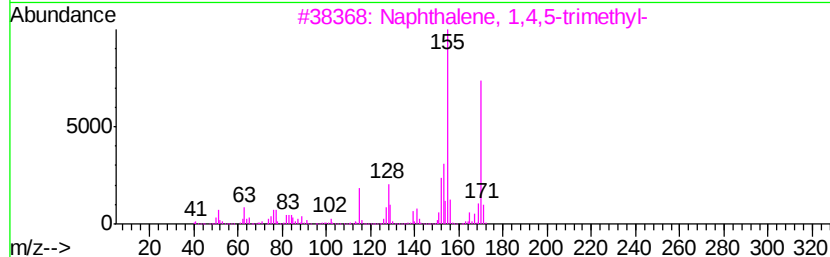
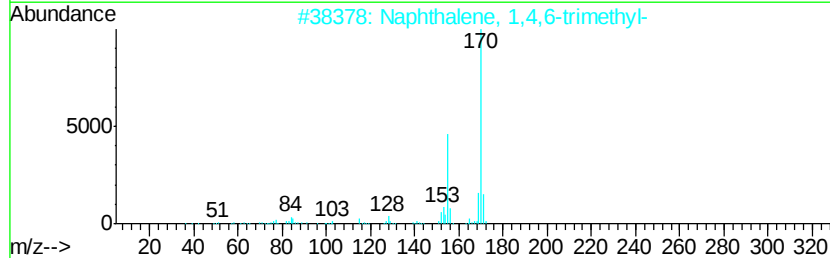
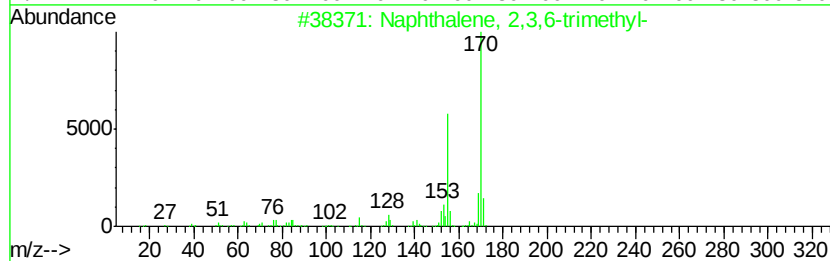
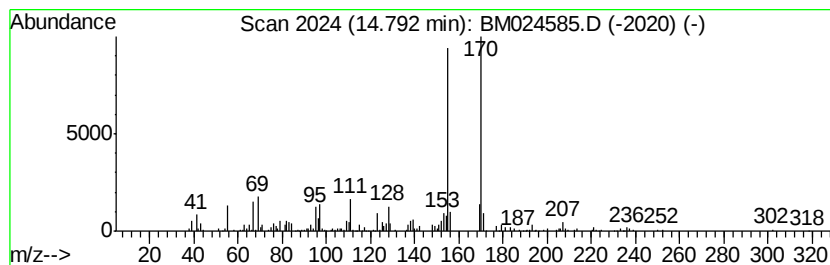
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 28 Naphthalene, 2,3,6-trimethyl- Concentration Rank 58

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.79 | 3.69 ng/ul | 784543 | Acenaphthene-d10 | 14.10 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 94   |
| 2    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 87   |
| 3    |    | Naphthalene, 1,4,5-trimethyl-   | 170 | C13H14  | 002131-41-1  | 81   |
| 4    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 74   |
| 5    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

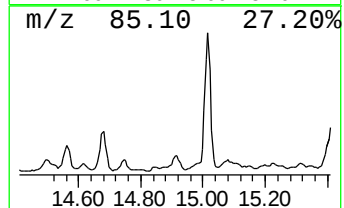
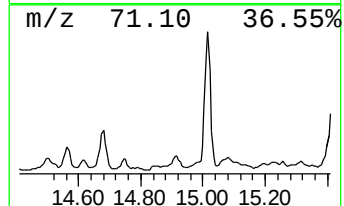
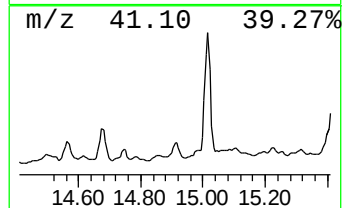
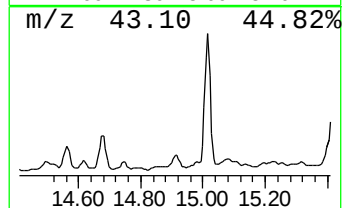
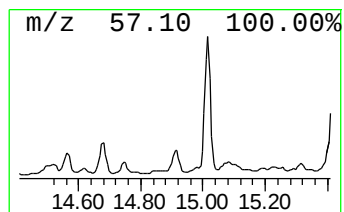
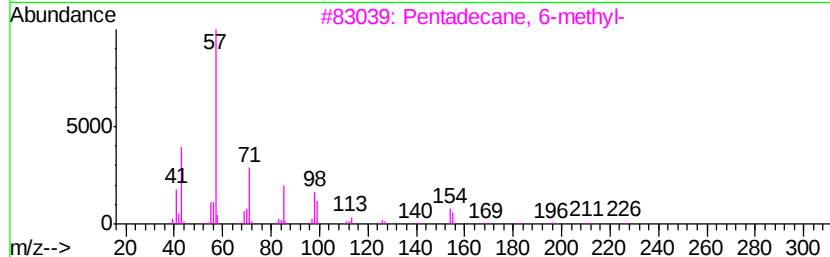
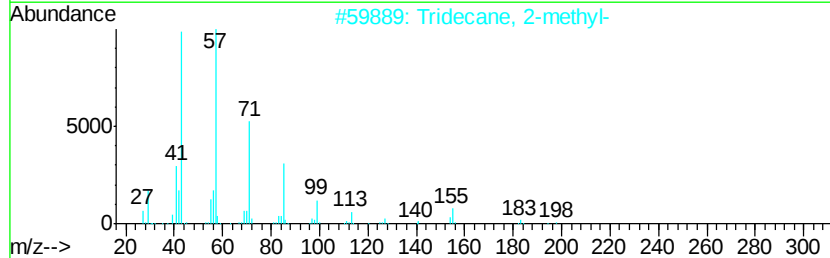
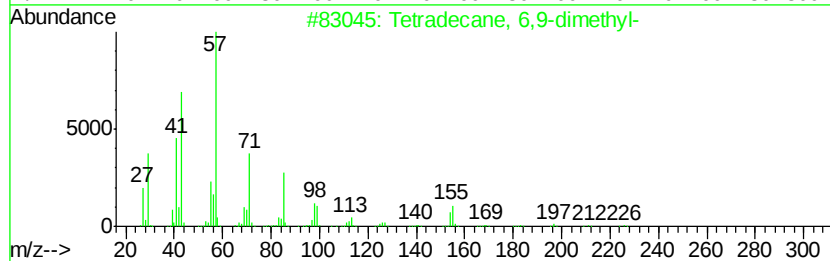
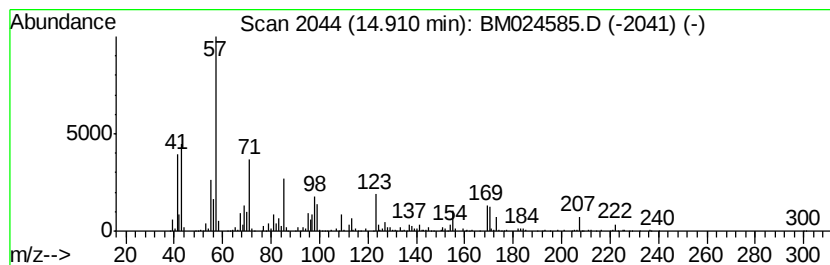
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 42

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 14.91 | 7.48 ng/ul | 1588110 | Acenaphthene-d10 | 14.10 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane, 6,9-dimethyl- | 226 | C16H34  | 055045-13-1 | 70   |
| 2    |    |   | Tridecane, 2-methyl-       | 198 | C14H30  | 001560-96-9 | 45   |
| 3    |    |   | Pentadecane, 6-methyl-     | 226 | C16H34  | 010105-38-1 | 43   |
| 4    |    |   | Dodecane                   | 170 | C12H26  | 000112-40-3 | 41   |
| 5    |    |   | Hexadecane, 3-methyl-      | 240 | C17H36  | 006418-43-5 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

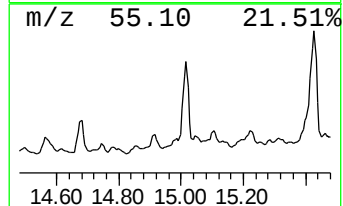
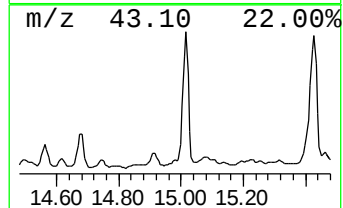
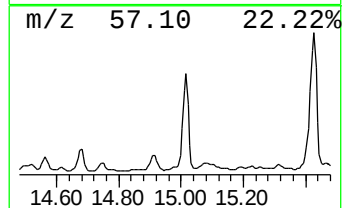
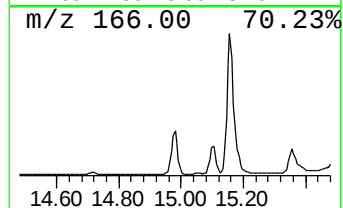
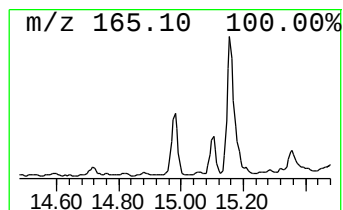
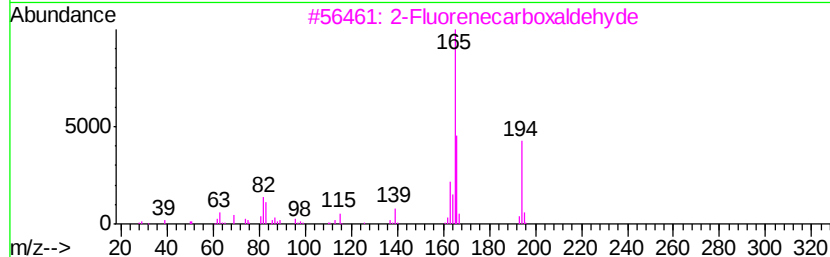
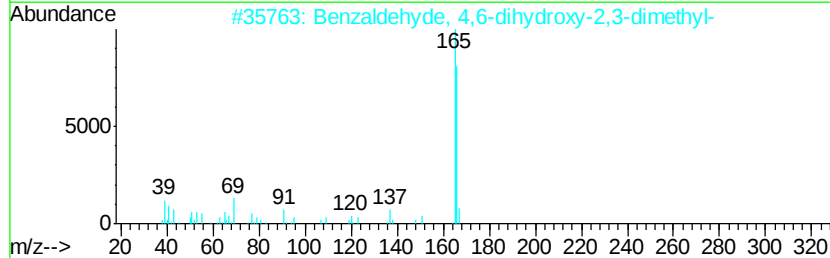
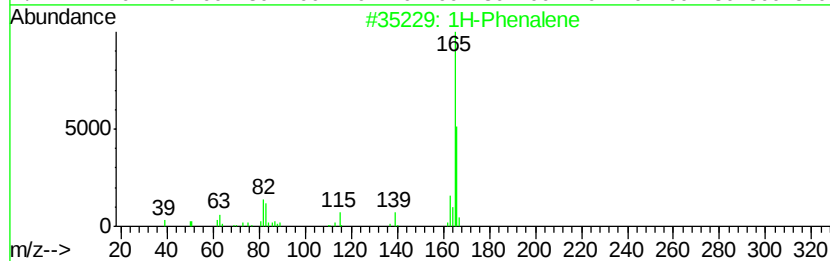
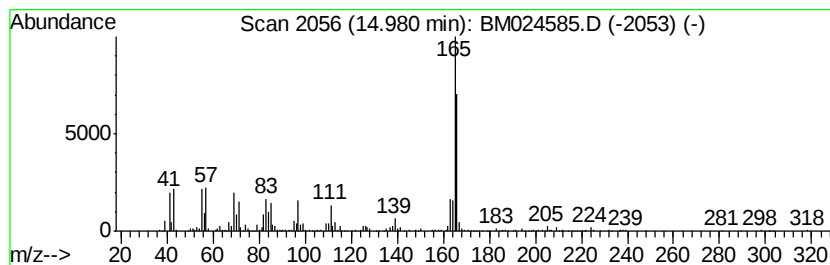
Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 30 1H-Phenalene Concentration Rank 55

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 14.98   | 4.00 ng/ul                          | 849056       | Acenaphthene-d10 | 14.10          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | 1H-Phenalene                        |              | 166 C13H10       | 000203-80-5 58 |
| 2       | Benzaldehyde, 4,6-dihydroxy-2,3-... |              | 166 C9H10O3      | 002990-31-0 50 |
| 3       | 2-Fluorencarboxaldehyde             |              | 194 C14H10O      | 030084-90-3 50 |
| 4       | 2,9b-Dihydrofurano[4,3,2-ik]fluo... |              | 194 C14H10O      | 204396-15-6 50 |
| 5       | Fluorene-9-methanol                 |              | 196 C14H12O      | 024324-17-2 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

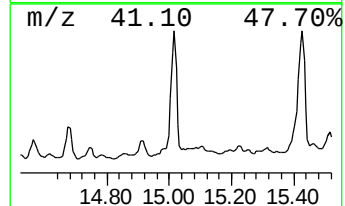
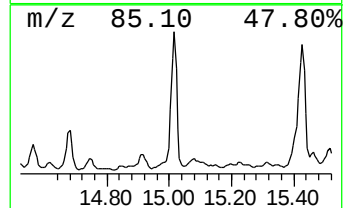
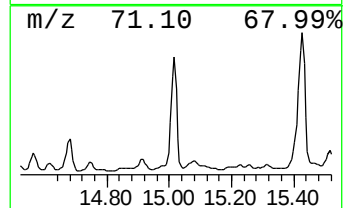
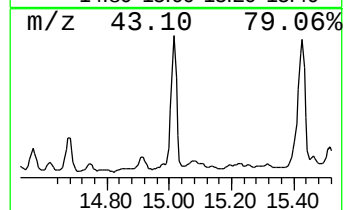
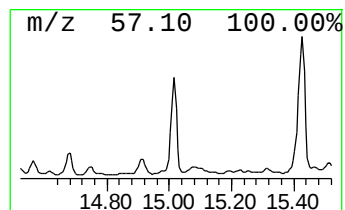
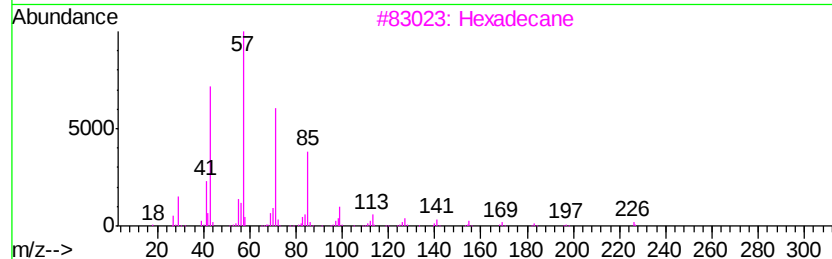
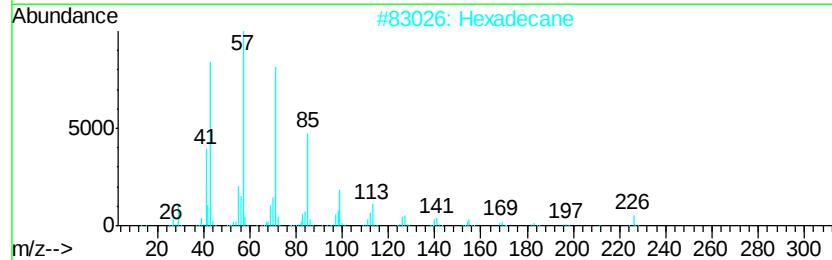
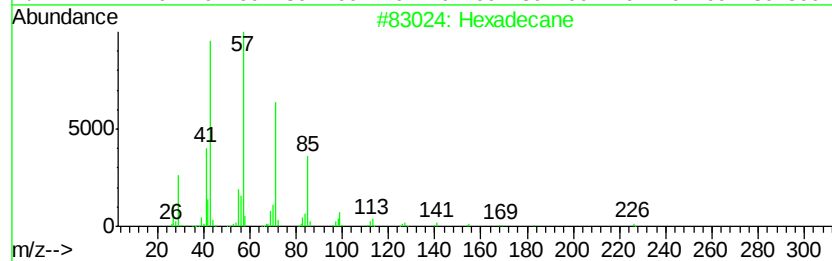
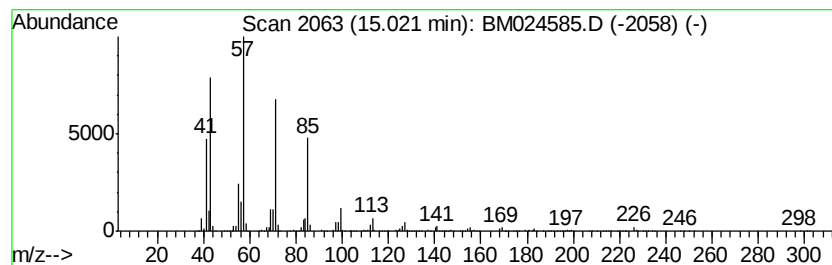
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.02 | 34.33 ng/ul | 7290690 | Acenaphthene-d10 | 14.10 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 96   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 95   |
| 3    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 95   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 94   |
| 5    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

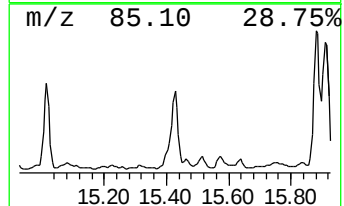
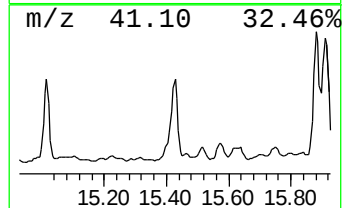
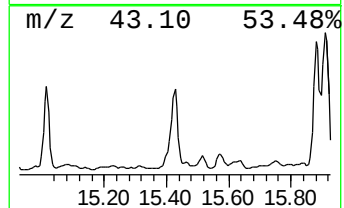
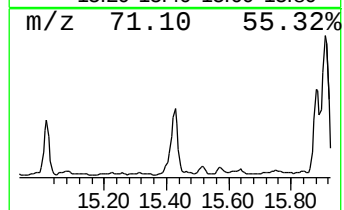
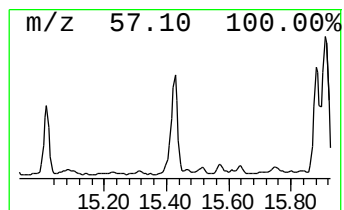
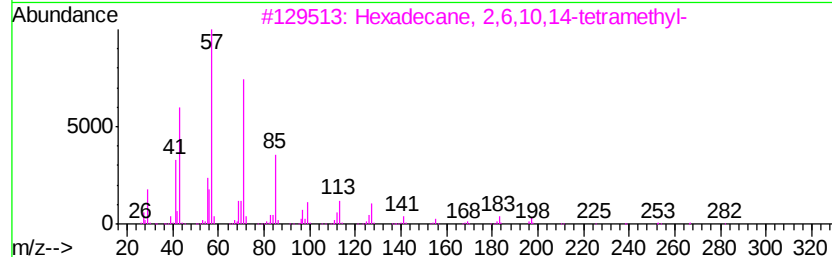
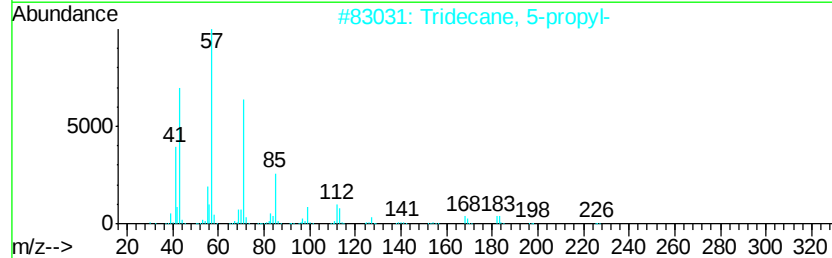
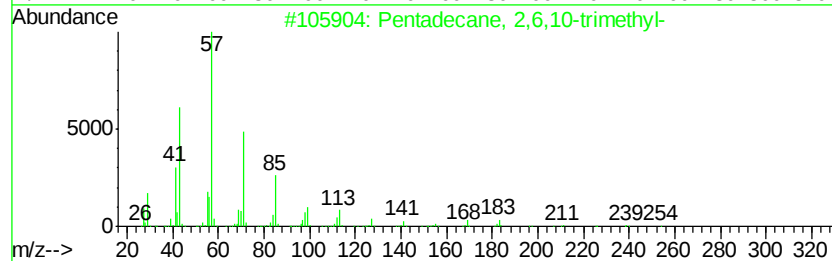
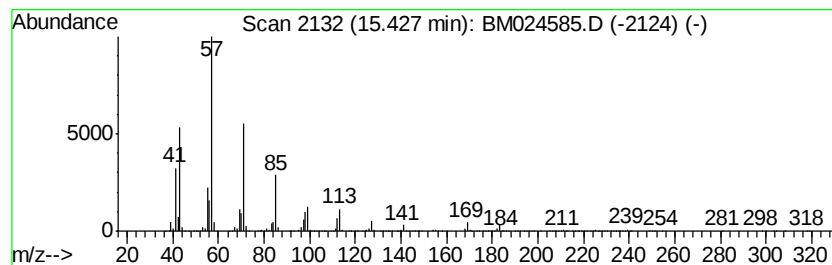
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 15.43 | 57.83 ng/ul | 12279700 | Acenaphthene-d10 | 14.10 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10-trimethyl-     | 254 | C18H38  | 003892-00-0 | 96   |
| 2    |    | Tridecane, 5-propyl-               | 226 | C16H34  | 055045-11-9 | 90   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 83   |
| 4    |    | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 72   |
| 5    |    | Tetracosane                        | 338 | C24H50  | 000646-31-1 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

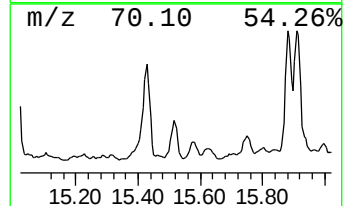
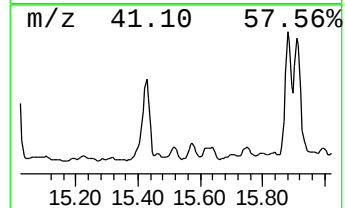
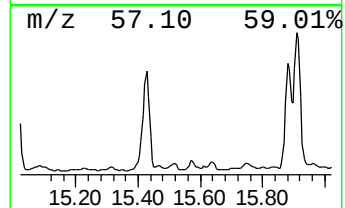
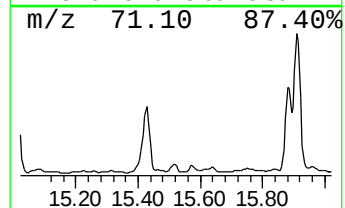
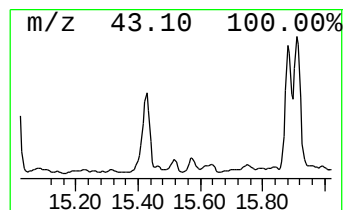
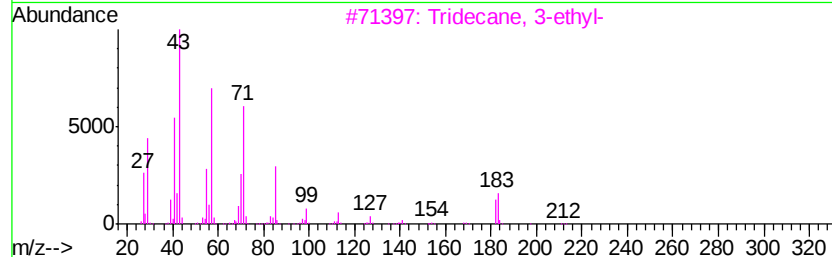
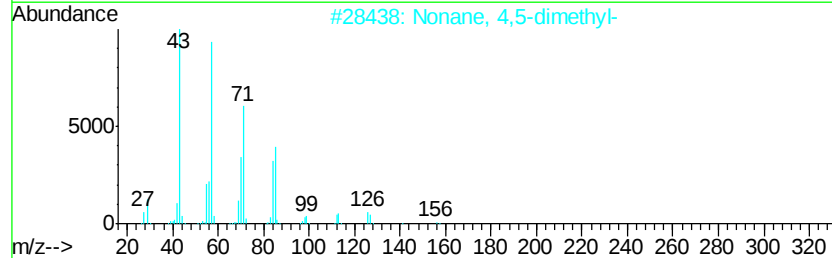
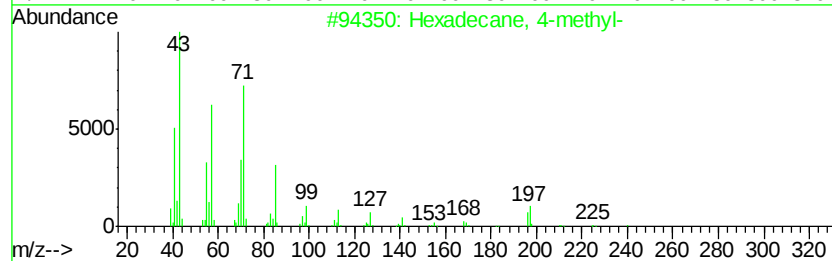
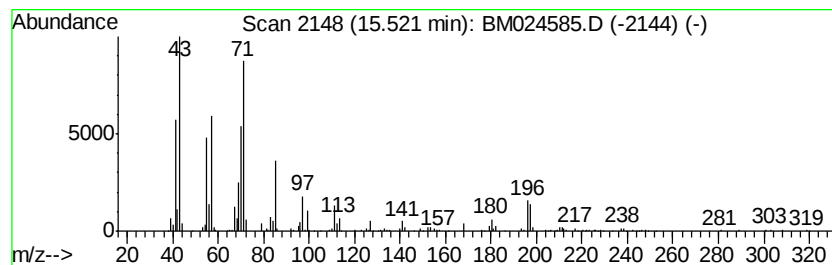
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 35

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 15.52 | 9.75 ng/ul | 1427430 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexadecane, 4-methyl-       | 240 | C17H36  | 025117-26-4 | 89   |
| 2    |    |   | Nonane, 4,5-dimethyl-       | 156 | C11H24  | 017302-23-7 | 70   |
| 3    |    |   | Tridecane, 3-ethyl-         | 212 | C15H32  | 013286-73-2 | 58   |
| 4    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 53   |
| 5    |    |   | Eicosane                    | 282 | C20H42  | 000112-95-8 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

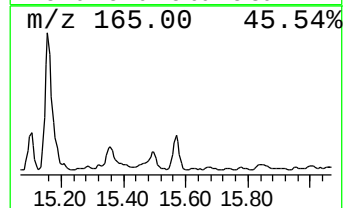
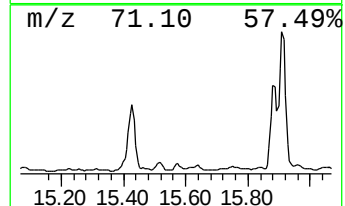
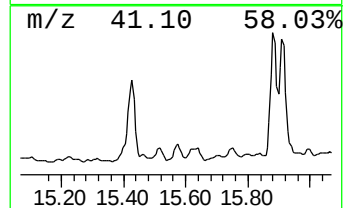
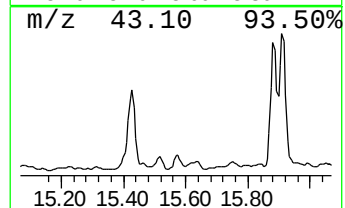
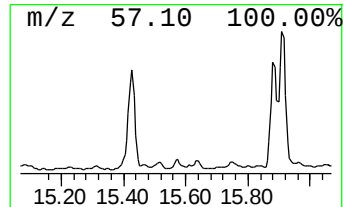
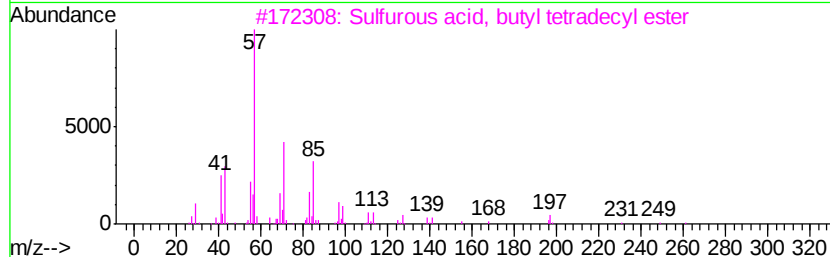
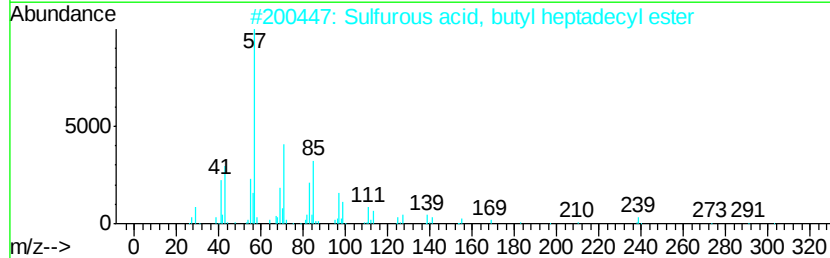
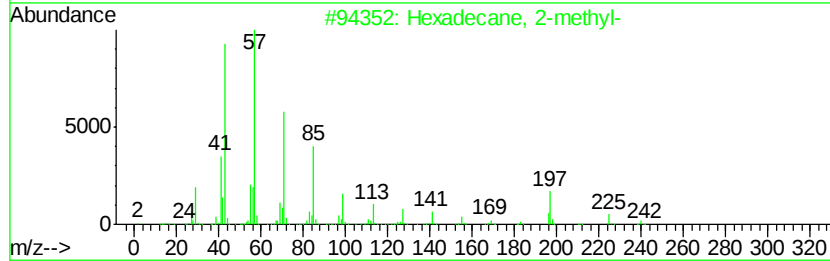
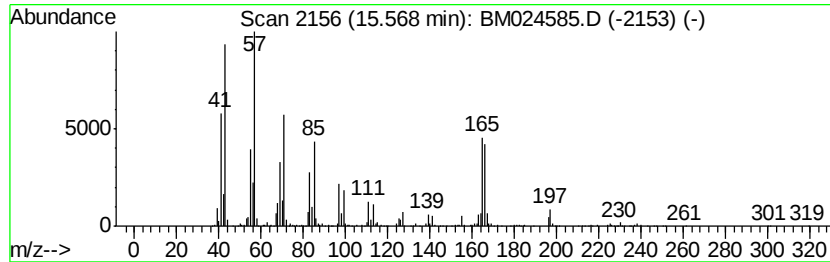
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 24

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.57 | 15.67 ng/ul | 2293550 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Hexadecane, 2-methyl-               | 240 | C17H36    | 001560-92-5  | 92   |
| 2    |    | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 62   |
| 3    |    | Sulfurous acid, butyl tetradecyl... | 334 | C18H38O3S | 1000309-18-1 | 62   |
| 4    |    | Methoxyacetic acid, 2-tetradecyl... | 286 | C17H34O3  | 1000282-04-8 | 62   |
| 5    |    | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

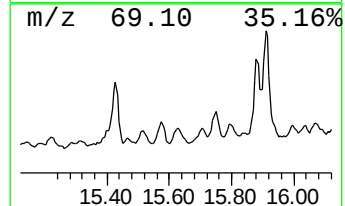
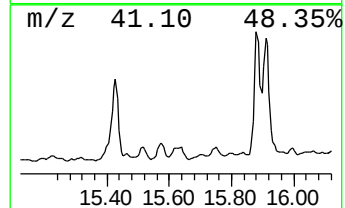
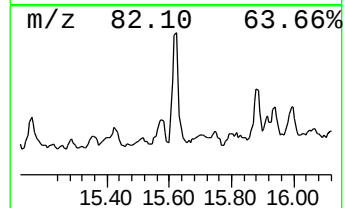
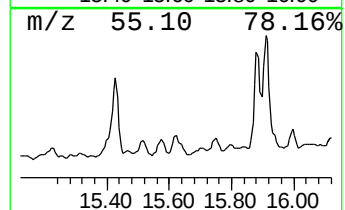
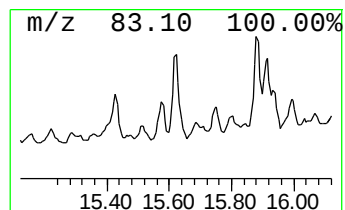
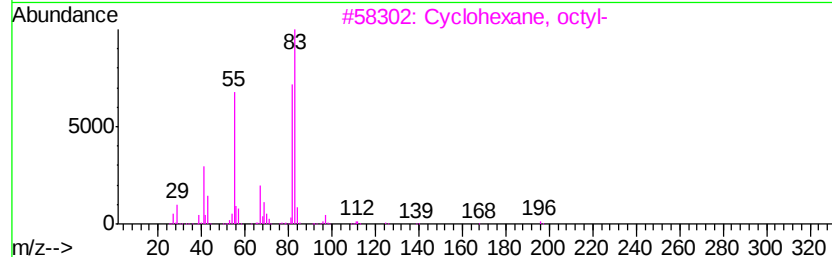
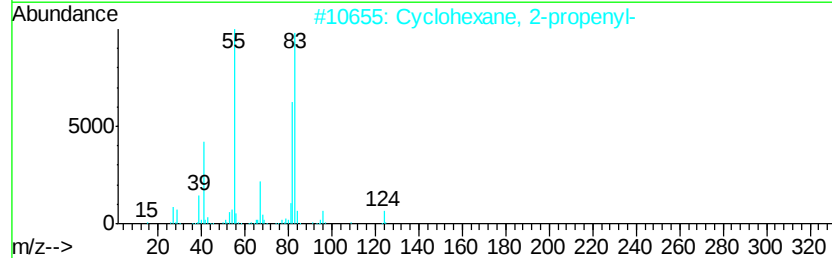
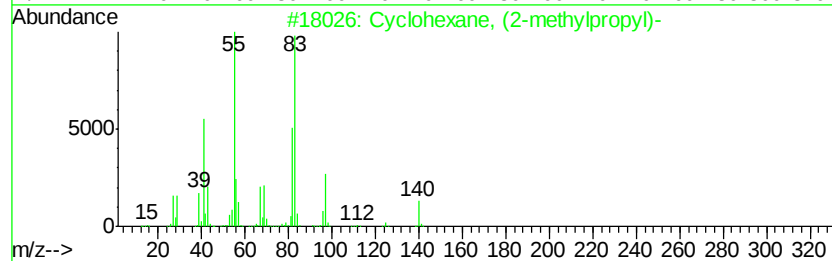
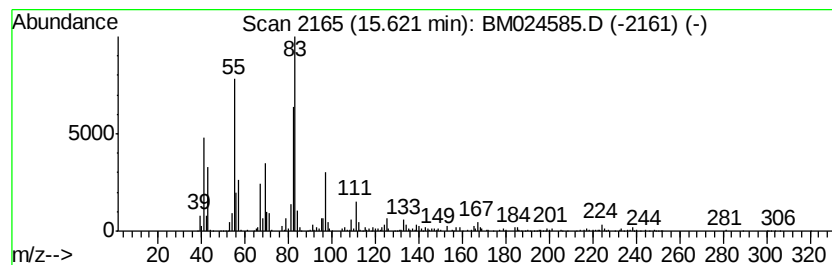
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 35 (DEL) Alkane: Cyclic15.62 Concentration Rank 20

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 15.62 | 17.13 ng/ul | 2508240 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, (2-methylpropyl)- | 140 | C10H20  | 001678-98-4 | 86   |
| 2    |    | Cyclohexane, 2-propenyl-       | 124 | C9H16   | 002114-42-3 | 76   |
| 3    |    | Cyclohexane, octyl-            | 196 | C14H28  | 001795-15-9 | 72   |
| 4    |    | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 64   |
| 5    |    | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

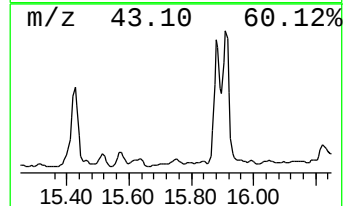
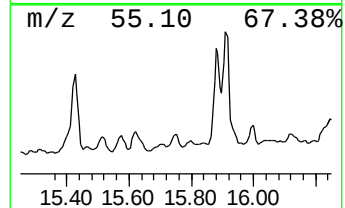
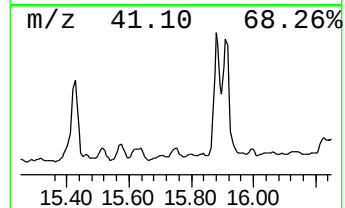
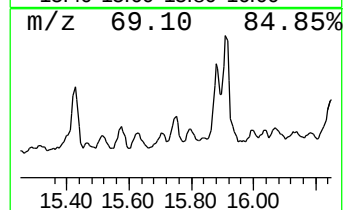
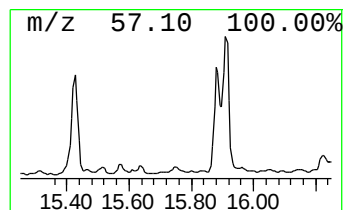
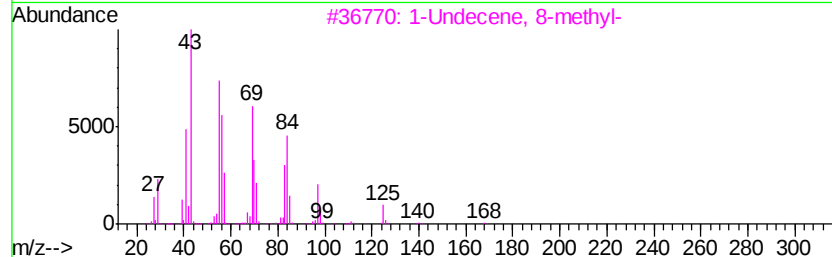
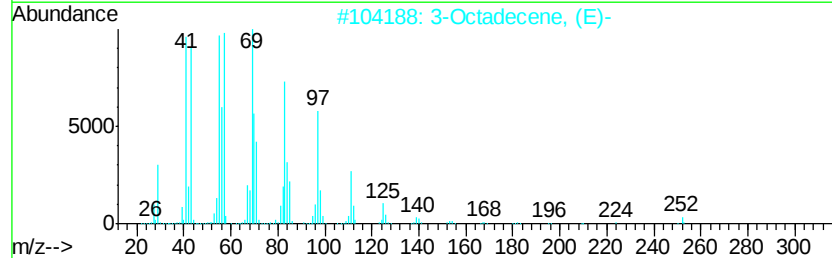
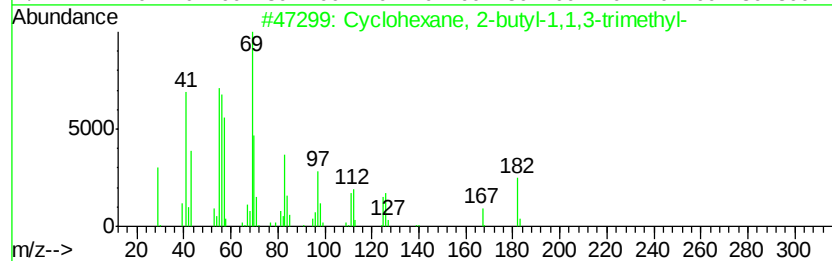
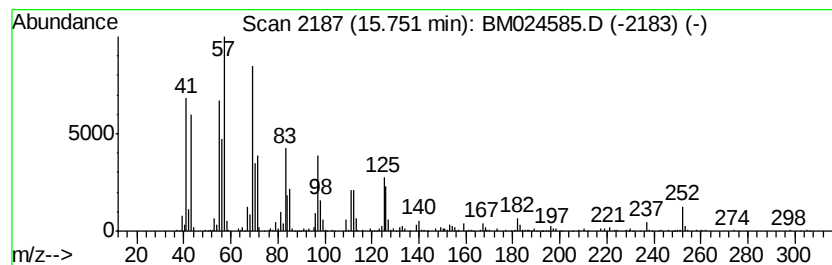
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TIC Integration Parameters: LSCINT.P

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Peak Number 36 (DEL) Alkane: Cyclic15.75 Concentration Rank 39

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 15.75 | 8.29 ng/ul | 1212990 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26     | 054676-39-0  | 89   |
| 2    |    | 3-Octadecene, (E)-                  | 252 | C18H36     | 007206-19-1  | 76   |
| 3    |    | 1-Undecene, 8-methyl-               | 168 | C12H24     | 074630-40-3  | 70   |
| 4    |    | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26     | 054676-39-0  | 70   |
| 5    |    | 2-Heptafluorobutyroxytetradecane    | 410 | C18H29F7O2 | 1000245-49-7 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

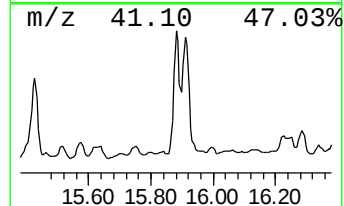
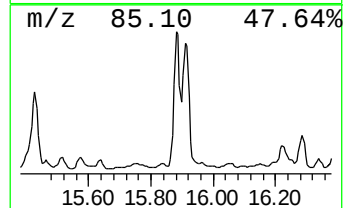
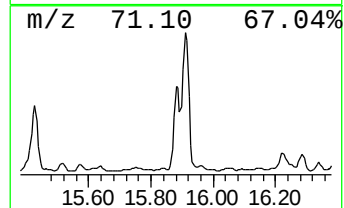
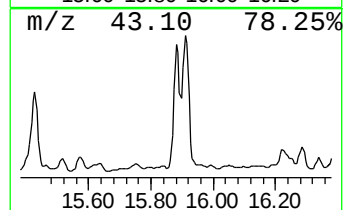
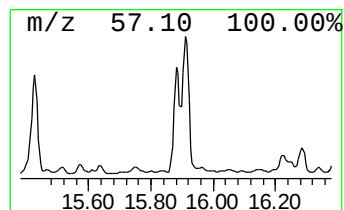
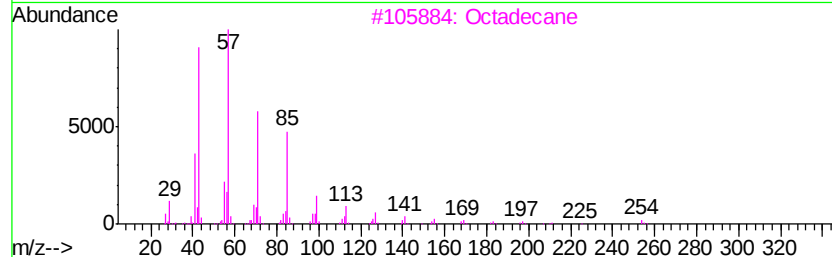
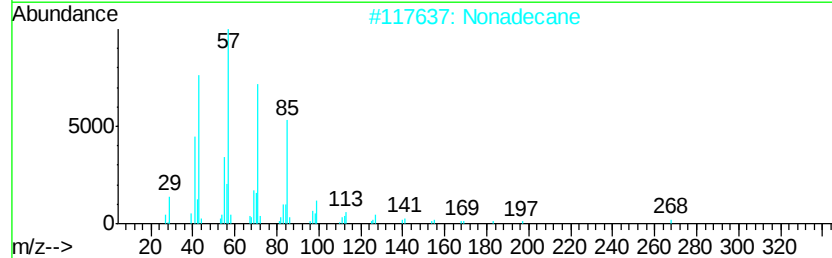
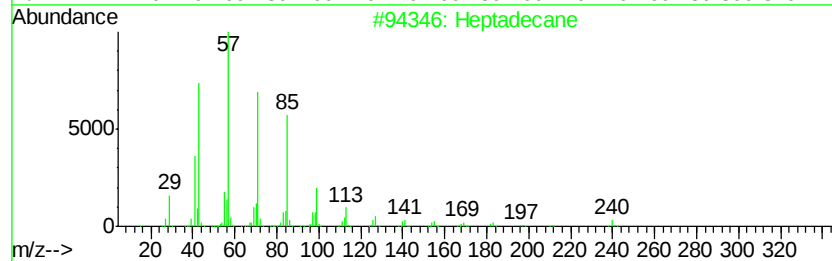
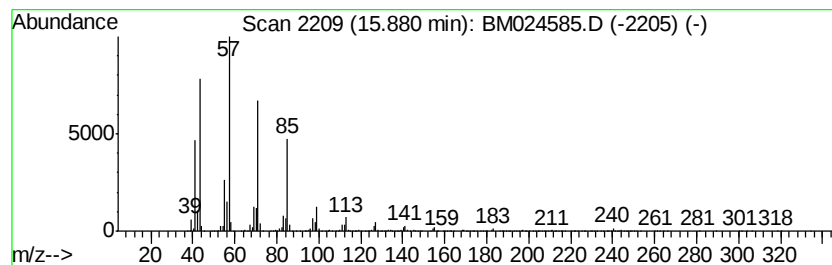
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc      | Area     | Relative to ISTD | R.T.  |
|-------|--------------|----------|------------------|-------|
| 15.88 | 101.18 ng/ul | 14811900 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane          | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    | Nonadecane           | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |    | Octadecane           | 254 | C18H38  | 000593-45-3 | 91   |
| 4    |    | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 91   |
| 5    |    | 10-Methylnonadecane  | 282 | C20H42  | 056862-62-5 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

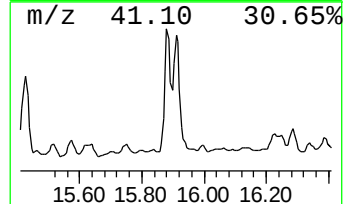
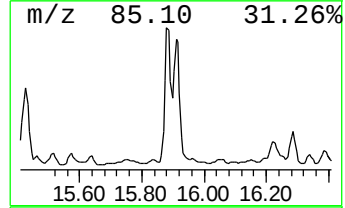
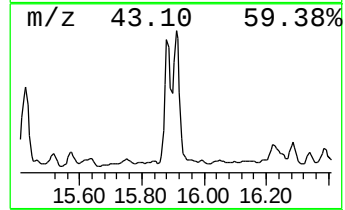
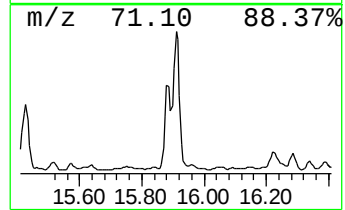
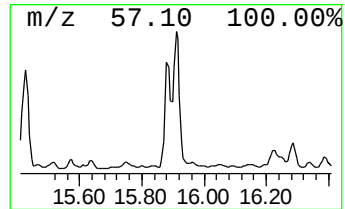
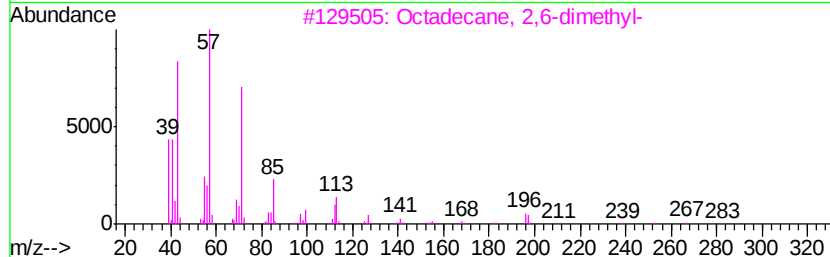
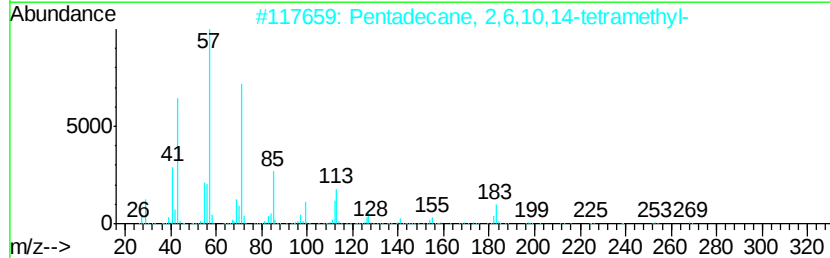
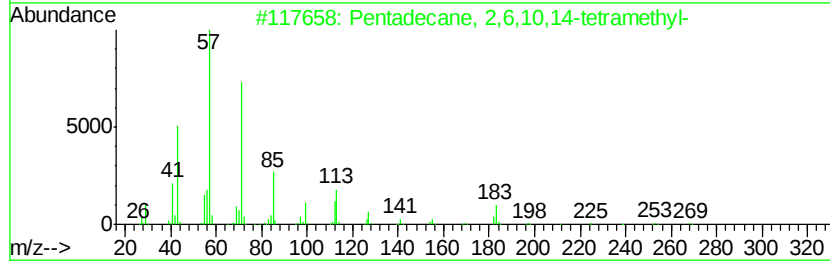
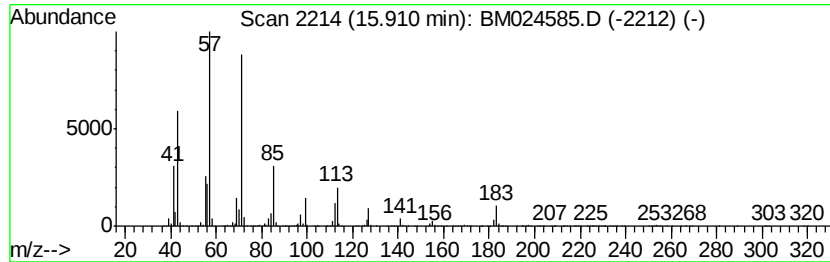
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TIC Integration Parameters: LSCINT.P

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Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc      | Area     | Relative to ISTD | R.T.  |
|-------|--------------|----------|------------------|-------|
| 15.91 | 107.97 ng/ul | 15807200 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40    | 001921-70-6  | 91   |
| 2    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40    | 001921-70-6  | 91   |
| 3    |    | Octadecane, 2,6-dimethyl-           | 282 | C20H42    | 075163-97-2  | 86   |
| 4    |    | Heptadecane, 2,6-dimethyl-          | 268 | C19H40    | 054105-67-8  | 76   |
| 5    |    | Sulfurous acid, 2-ethylhexyl tet... | 390 | C22H46O3S | 1000309-19-7 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

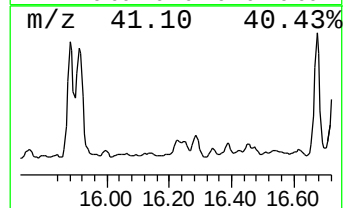
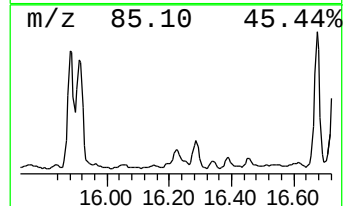
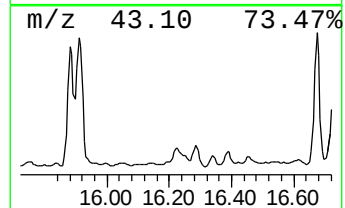
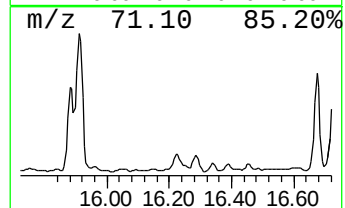
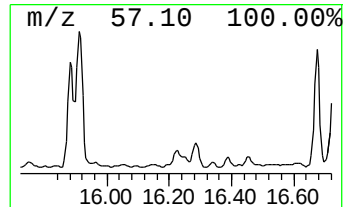
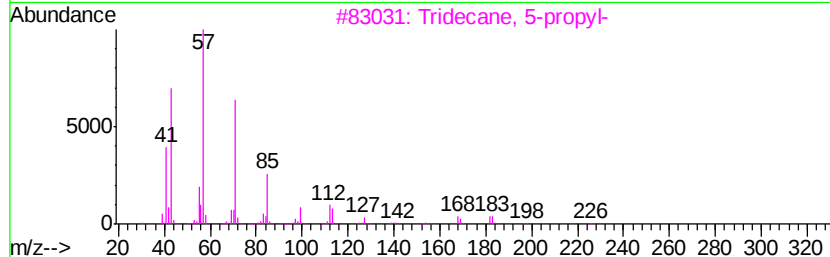
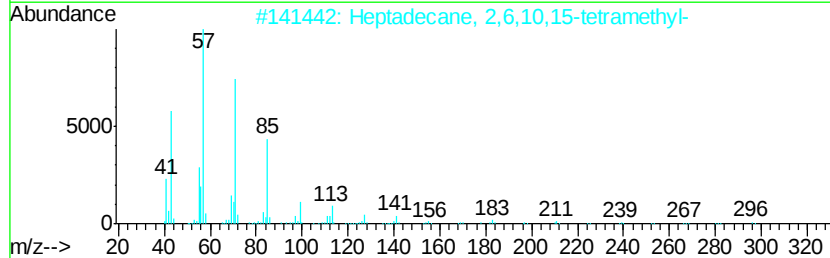
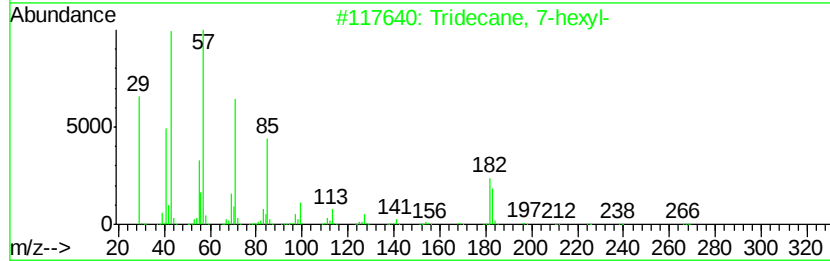
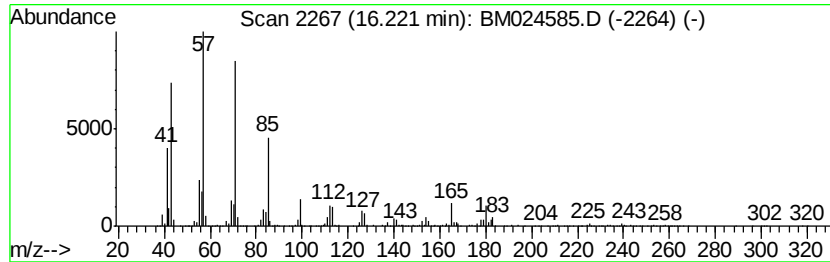
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 16.22 | 16.19 ng/ul | 2369490 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 7-hexyl-                 | 268 | C19H40  | 007225-66-3 | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 81   |
| 3    |    | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 81   |
| 4    |    | Eicosane, 10-methyl-                | 296 | C21H44  | 054833-23-7 | 78   |
| 5    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

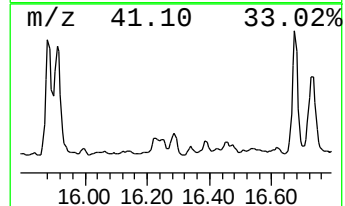
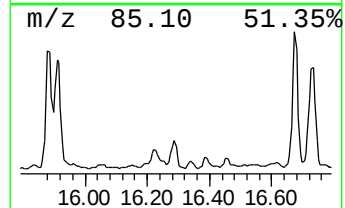
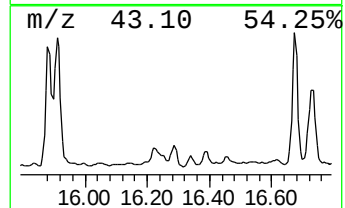
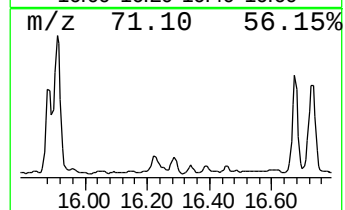
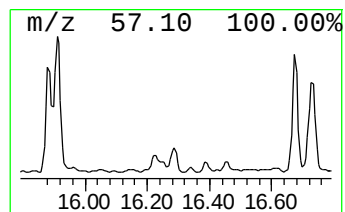
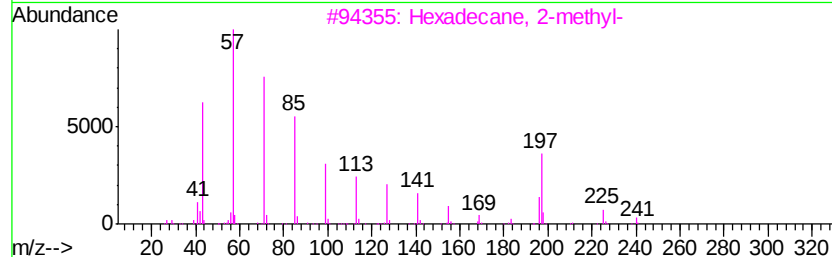
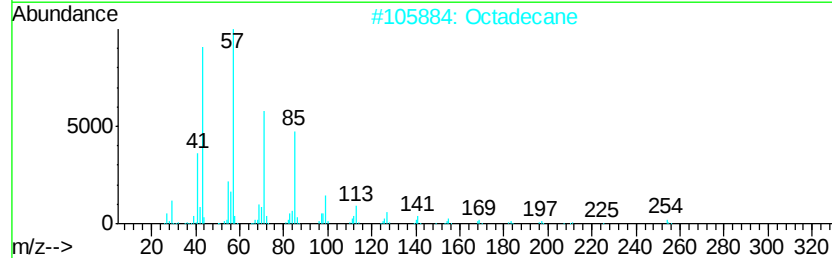
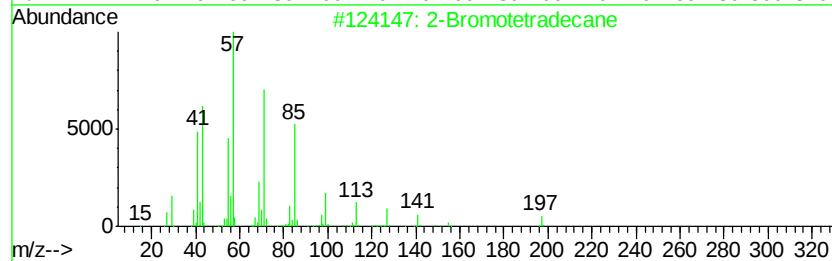
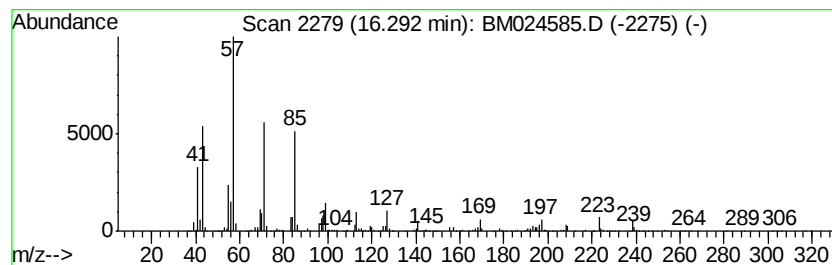
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 40 2-Bromotetradecane Concentration Rank 17

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 16.29 | 19.88 ng/ul | 2910790 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Bromotetradecane                 | 276 | C14H29Br | 074036-95-6 | 90   |
| 2    |    | Octadecane                         | 254 | C18H38   | 000593-45-3 | 86   |
| 3    |    | Hexadecane, 2-methyl-              | 240 | C17H36   | 001560-92-5 | 81   |
| 4    |    | Pentadecane                        | 212 | C15H32   | 000629-62-9 | 80   |
| 5    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42   | 000638-36-8 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

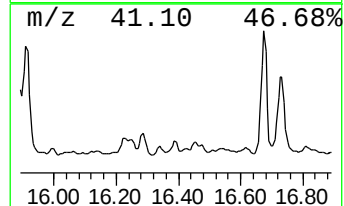
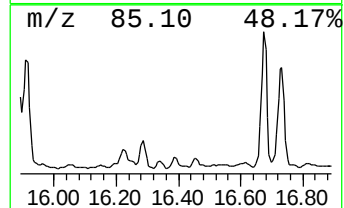
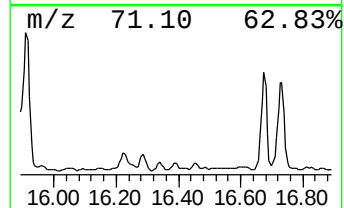
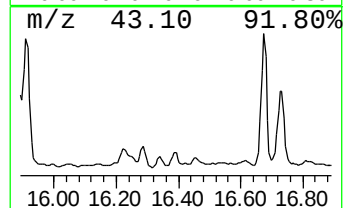
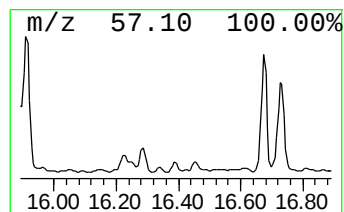
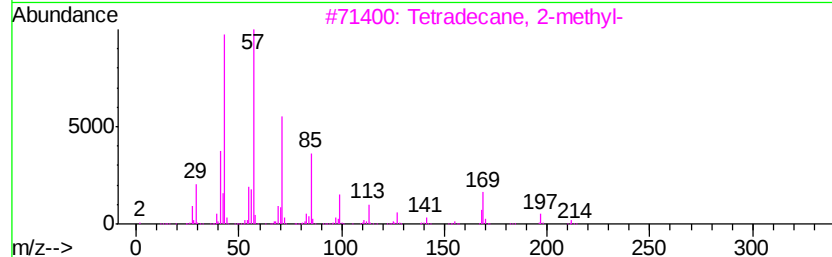
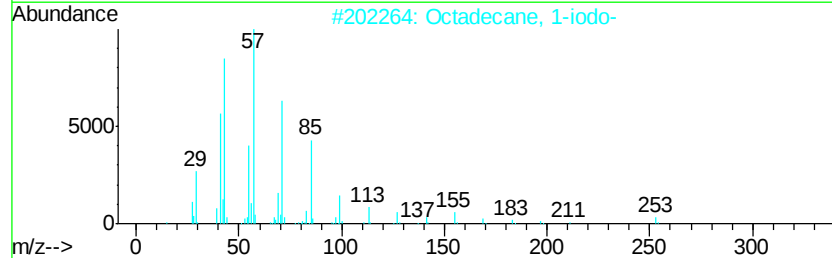
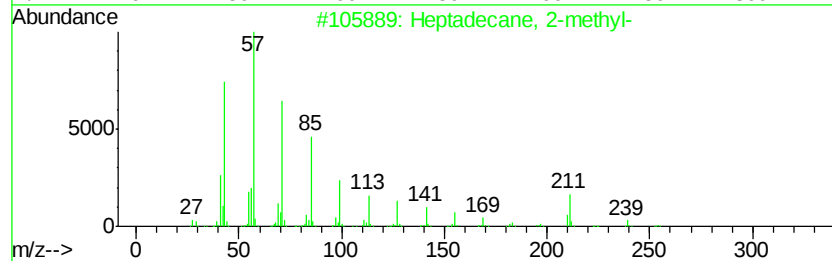
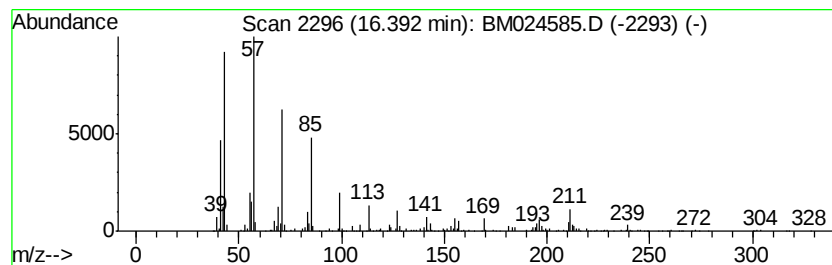
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 49

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.39 | 5.54 ng/ul | 810491 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 2-methyl- | 254 | C18H38  | 001560-89-0 | 91   |
| 2    |    |   | Octadecane, 1-iodo-    | 380 | C18H37I | 000629-93-6 | 83   |
| 3    |    |   | Tetradecane, 2-methyl- | 212 | C15H32  | 001560-95-8 | 80   |
| 4    |    |   | Pentacosane            | 352 | C25H52  | 000629-99-2 | 80   |
| 5    |    |   | Docosane               | 310 | C22H46  | 000629-97-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

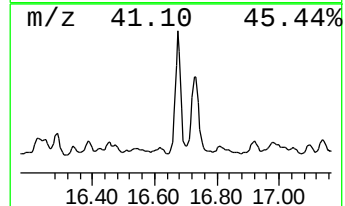
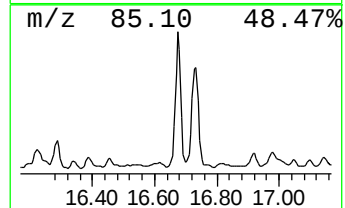
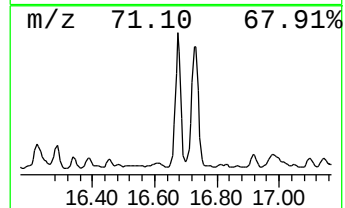
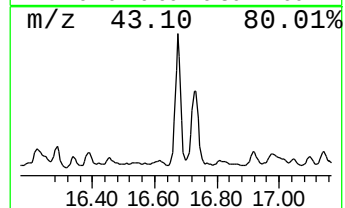
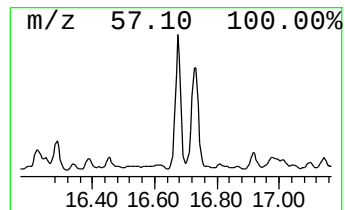
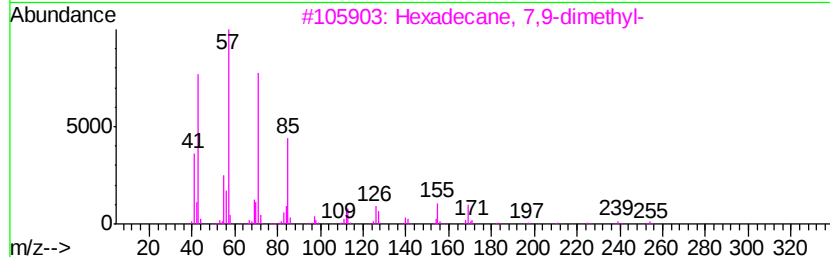
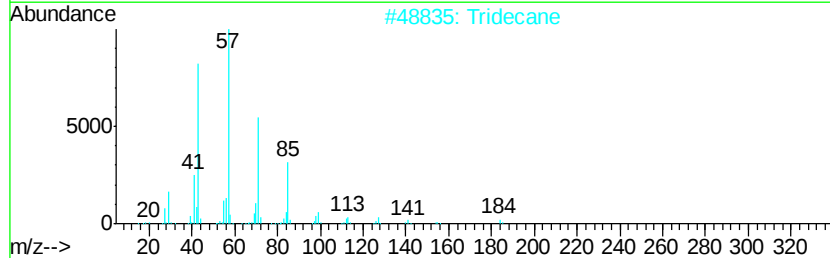
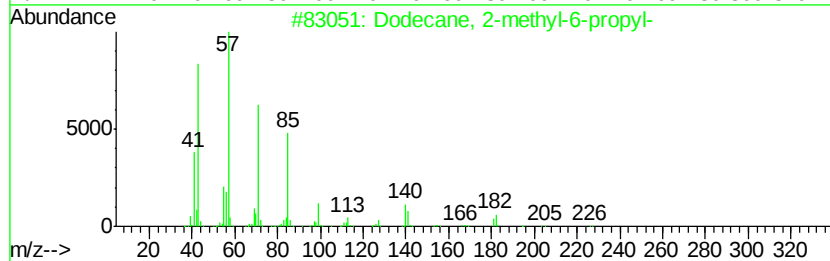
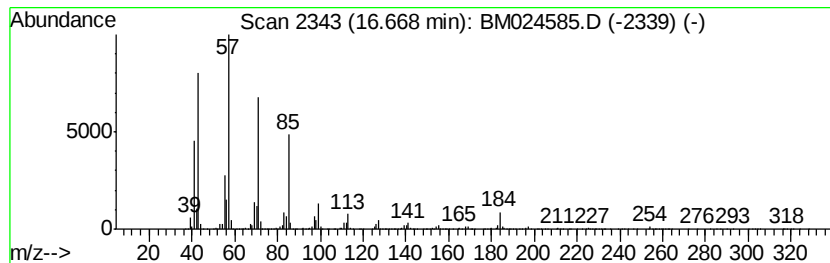
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc      | Area     | Relative to ISTD | R.T.  |
|-------|--------------|----------|------------------|-------|
| 16.67 | 100.65 ng/ul | 14734900 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 94   |
| 2    |    | Tridecane                    | 184 | C13H28  | 000629-50-5 | 91   |
| 3    |    | Hexadecane, 7,9-dimethyl-    | 254 | C18H38  | 021164-95-4 | 90   |
| 4    |    | Nonadecane                   | 268 | C19H40  | 000629-92-5 | 90   |
| 5    |    | Heneicosane                  | 296 | C21H44  | 000629-94-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

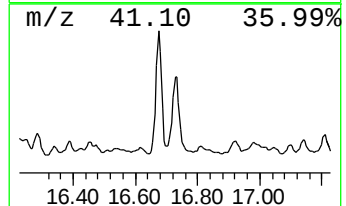
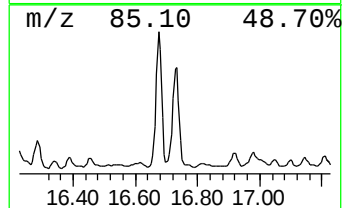
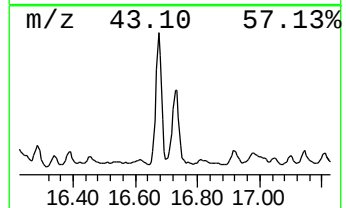
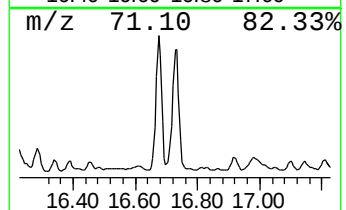
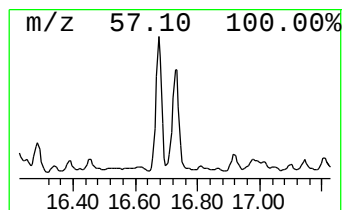
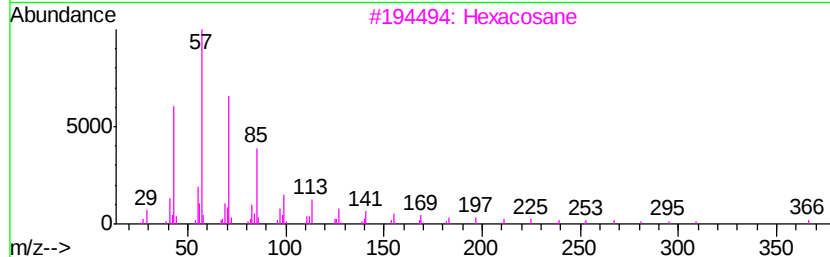
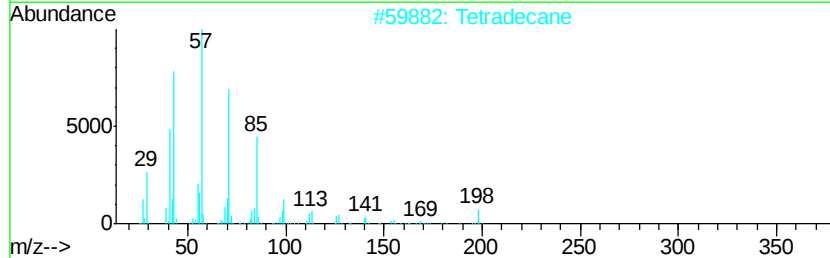
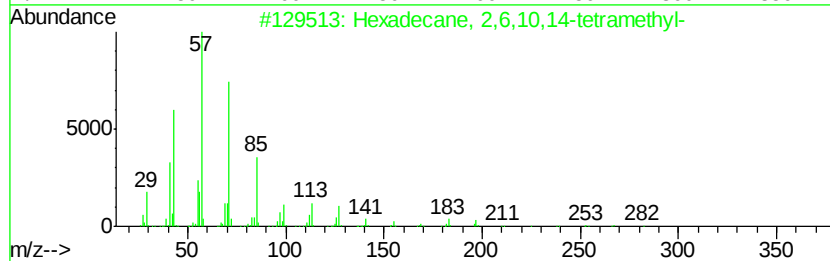
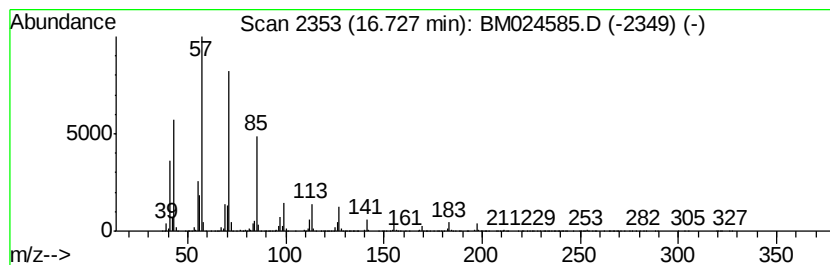
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 16.73 | 94.98 ng/ul | 13904700 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 91   |
| 2    |    | Tetradecane                        | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Hexacosane                         | 366 | C26H54  | 000630-01-3 | 90   |
| 4    |    | Hexadecane                         | 226 | C16H34  | 000544-76-3 | 90   |
| 5    |    | Hentriacontane                     | 437 | C31H64  | 000630-04-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

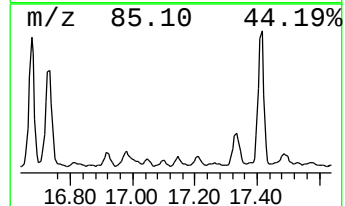
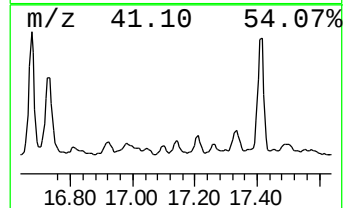
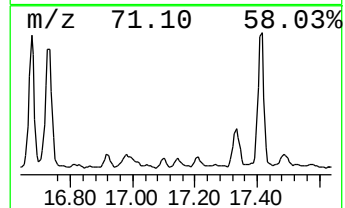
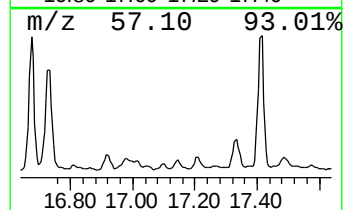
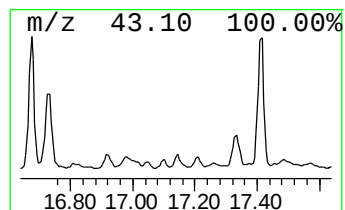
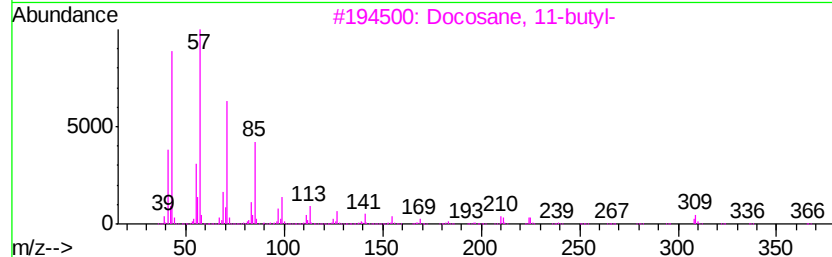
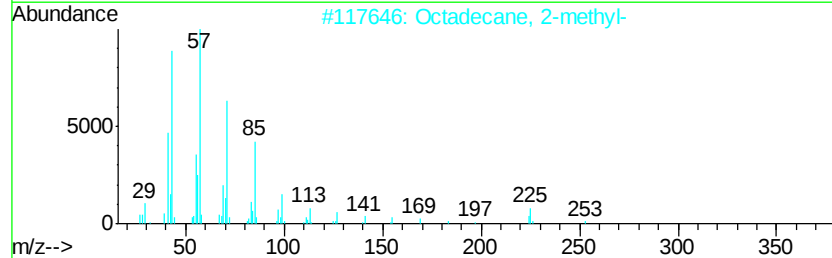
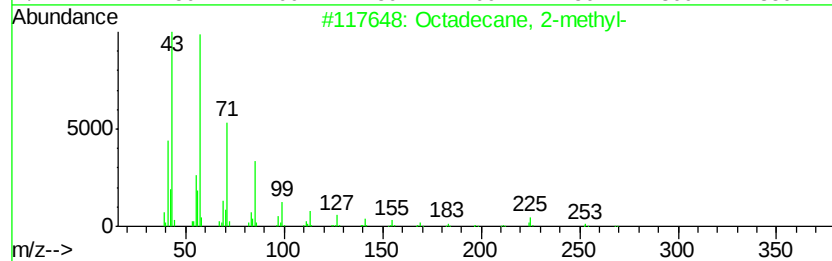
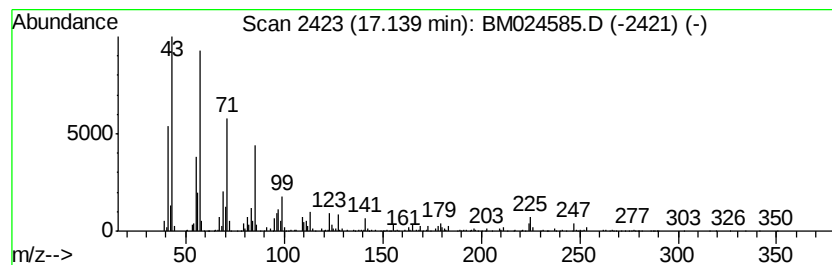
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 41

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.14 | 7.50 ng/ul | 1098470 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9  | 93   |
| 2    |    |   | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9  | 87   |
| 3    |    |   | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8  | 87   |
| 4    |    |   | 2-methyltetracosane   | 352 | C25H52  | 1000376-72-6 | 83   |
| 5    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7  | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

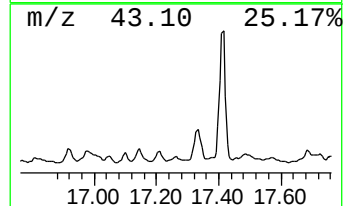
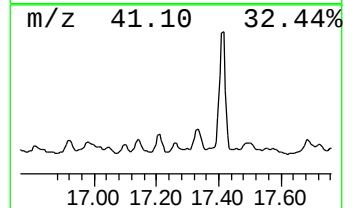
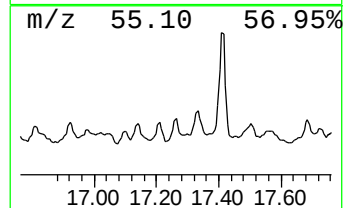
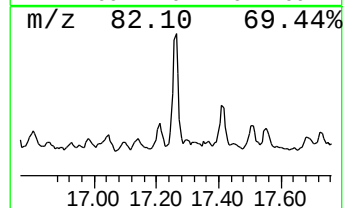
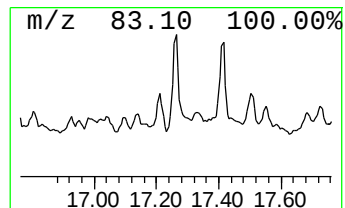
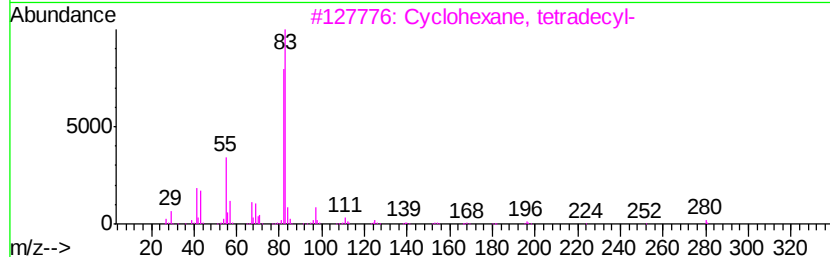
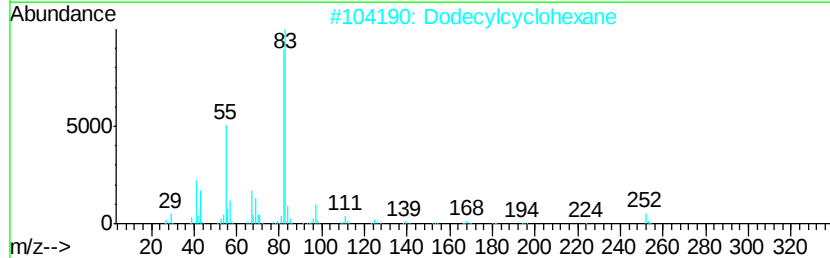
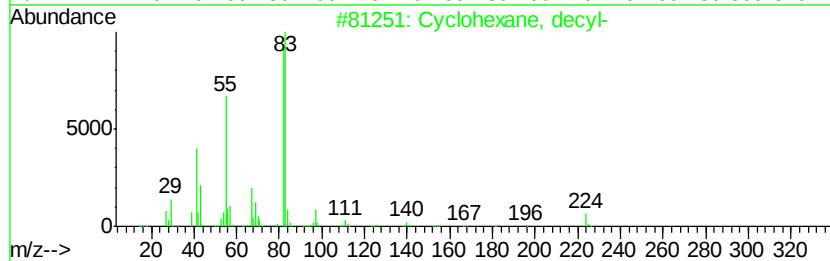
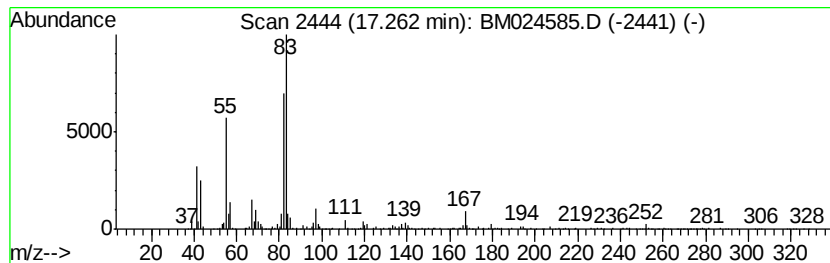
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 46 (DEL) Alkane: Cyclic17.26 Concentration Rank 43

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.26 | 7.07 ng/ul | 1035590 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, decyl-      | 224 | C16H32  | 001795-16-0 | 80   |
| 2    |    | Dodecylcyclohexane       | 252 | C18H36  | 001795-17-1 | 80   |
| 3    |    | Cyclohexane, tetradecyl- | 280 | C20H40  | 001795-18-2 | 80   |
| 4    |    | n-Tridecylcyclohexane    | 266 | C19H38  | 006006-33-3 | 72   |
| 5    |    | n-Nonylcyclohexane       | 210 | C15H30  | 002883-02-5 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

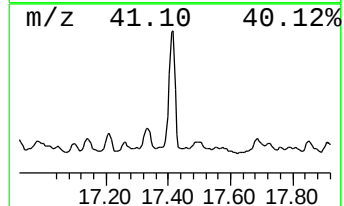
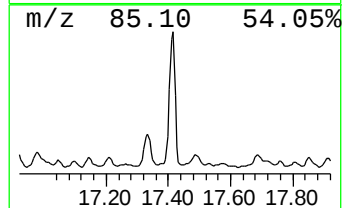
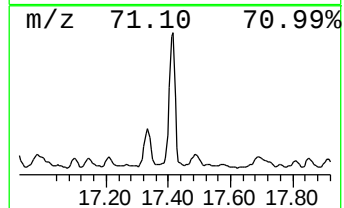
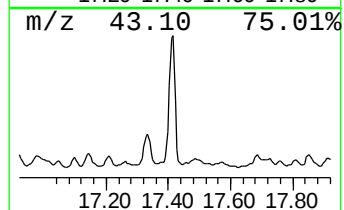
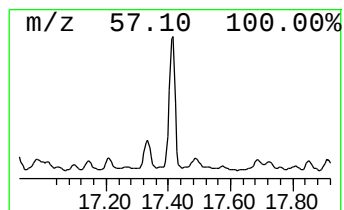
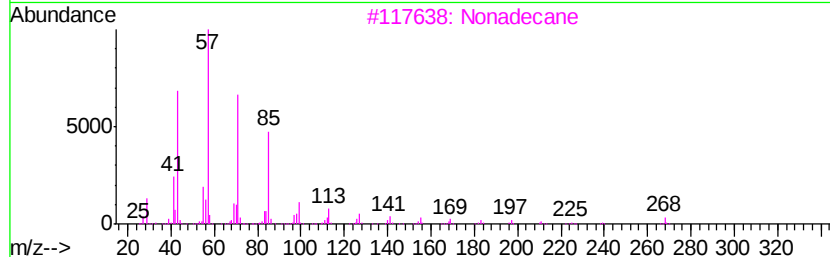
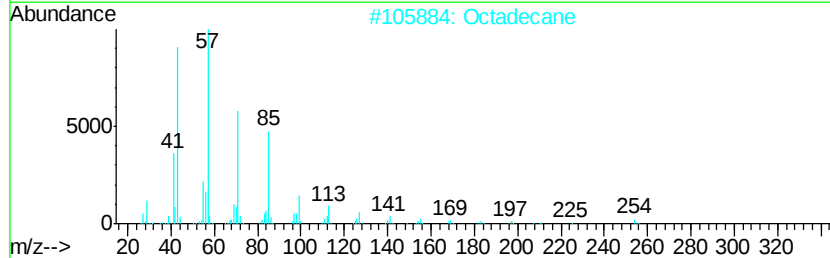
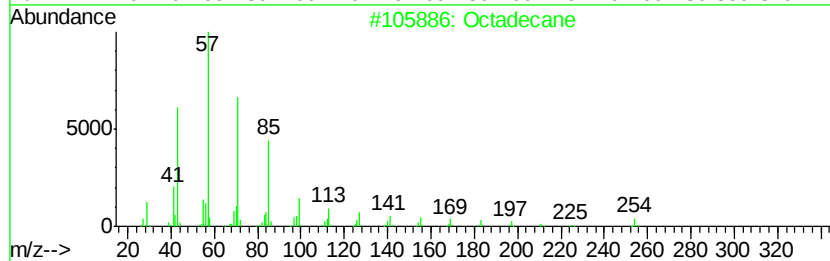
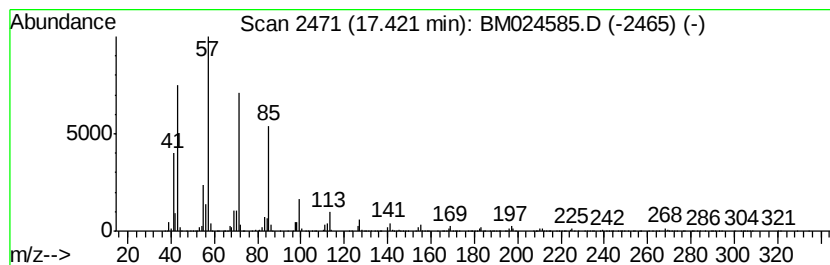
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 17.42 | 96.96 ng/ul | 14194800 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 96   |
| 2    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 96   |
| 3    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 96   |
| 4    |    |   | Octadecane   | 254 | C18H38  | 000593-45-3 | 94   |
| 5    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

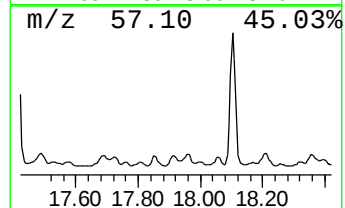
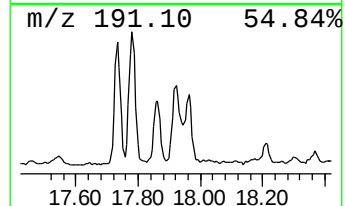
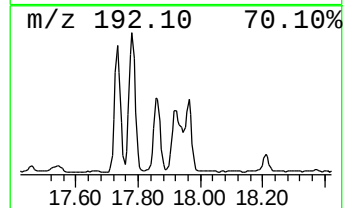
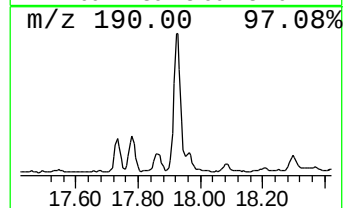
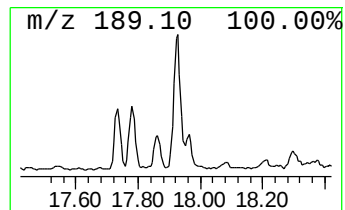
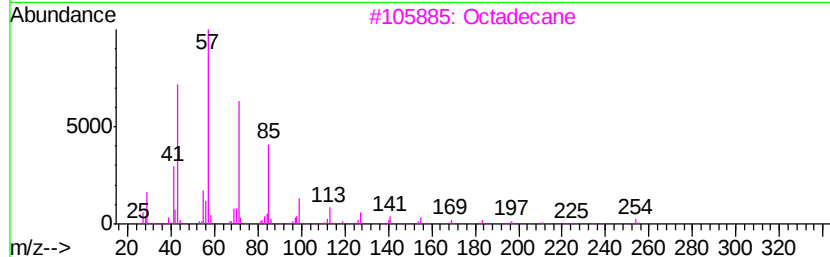
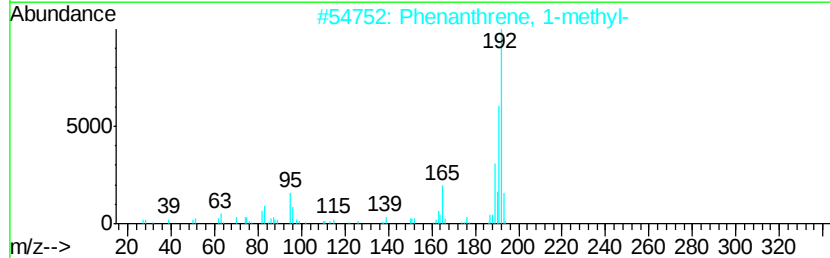
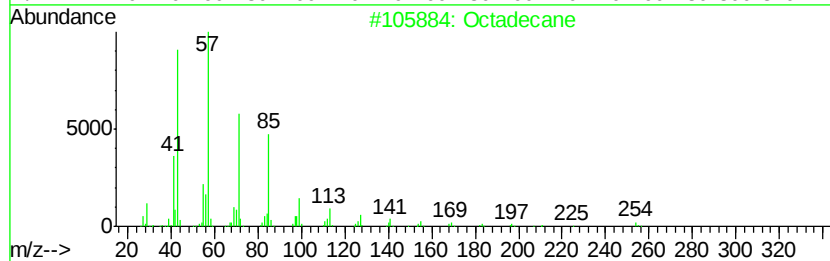
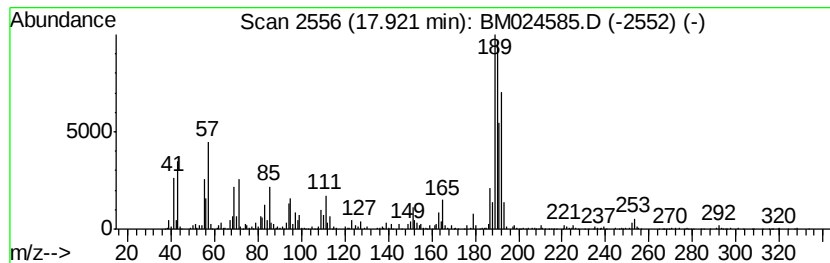
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 17.92 | 21.26 ng/ul | 3112420 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                   | MW  | MolForm    | CAS#         | Qual |
|------|----|--------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octadecane                     | 254 | C18H38     | 000593-45-3  | 90   |
| 2    |    | Phenanthrene, 1-methyl-        | 192 | C15H12     | 000832-69-9  | 70   |
| 3    |    | Octadecane                     | 254 | C18H38     | 000593-45-3  | 59   |
| 4    |    | 1-(3-Nitro-phenyl)-pyrrolidine | 192 | C10H12N2O2 | 1000300-34-7 | 56   |
| 5    |    | Anthracene, 1-methyl-          | 192 | C15H12     | 000610-48-0  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

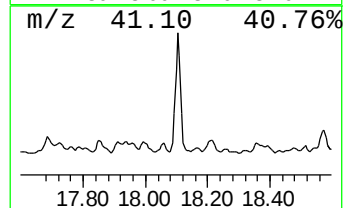
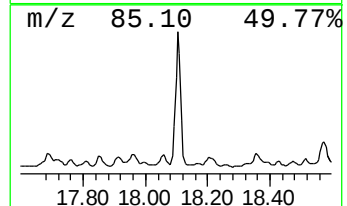
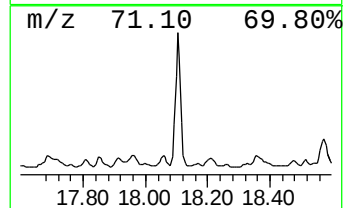
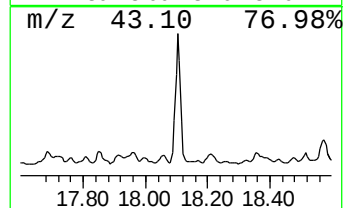
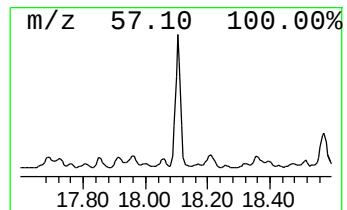
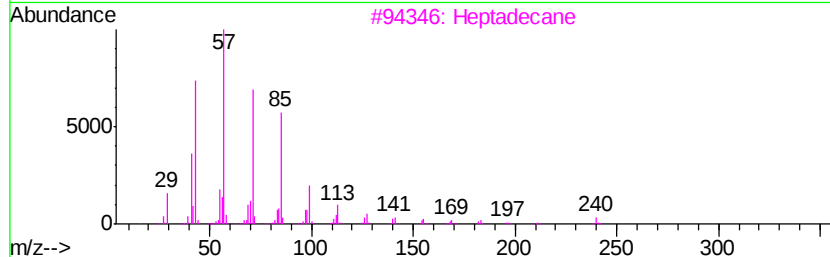
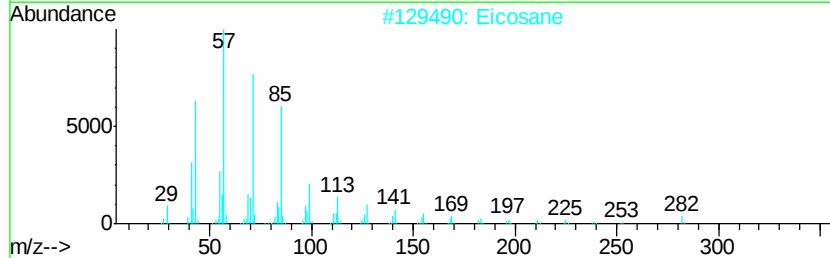
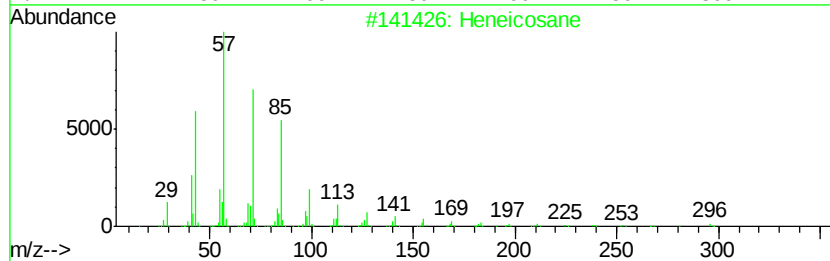
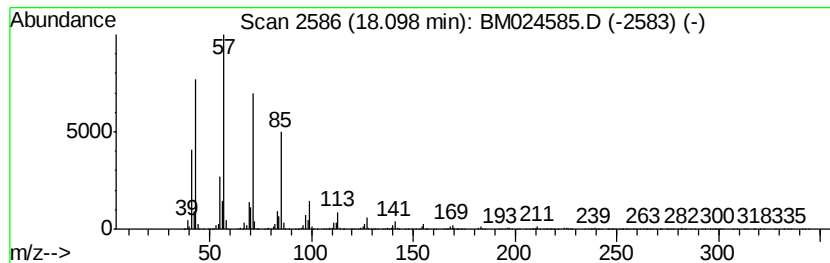
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 18.10 | 88.62 ng/ul | 12973500 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane             | 296 | C21H44  | 000629-94-7 | 98   |
| 2    |    | Eicosane                | 282 | C20H42  | 000112-95-8 | 97   |
| 3    |    | Heptadecane             | 240 | C17H36  | 000629-78-7 | 96   |
| 4    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 94   |
| 5    |    | Pentadecane, 8-hexyl-   | 296 | C21H44  | 013475-75-7 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

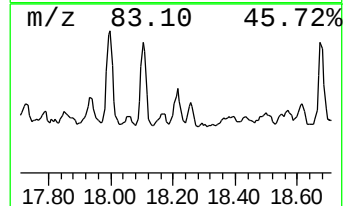
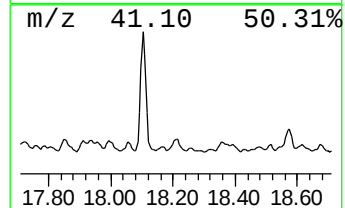
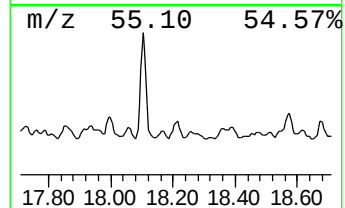
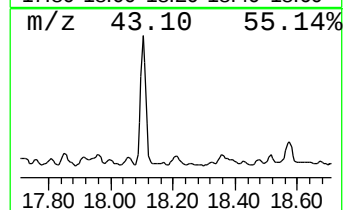
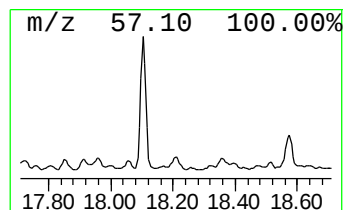
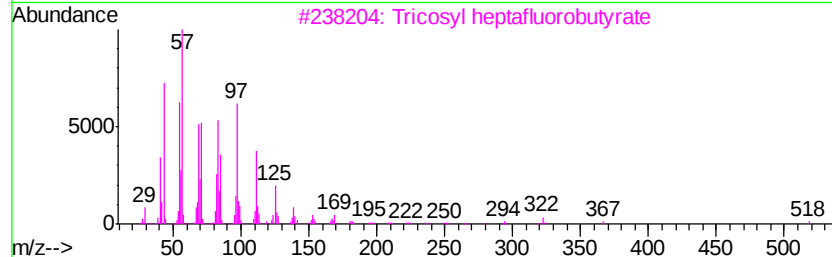
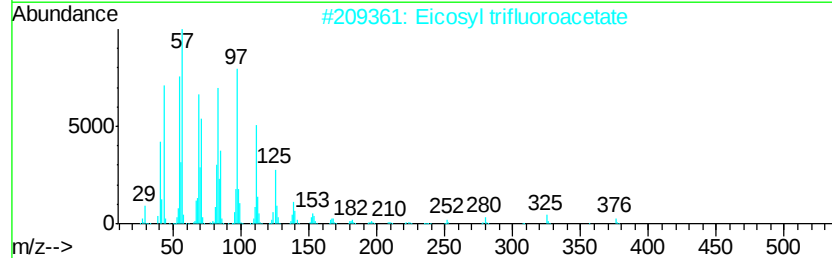
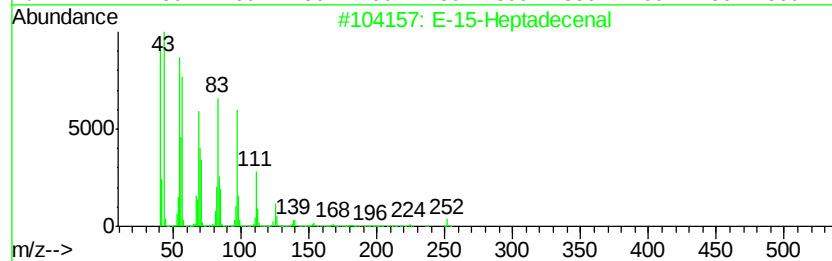
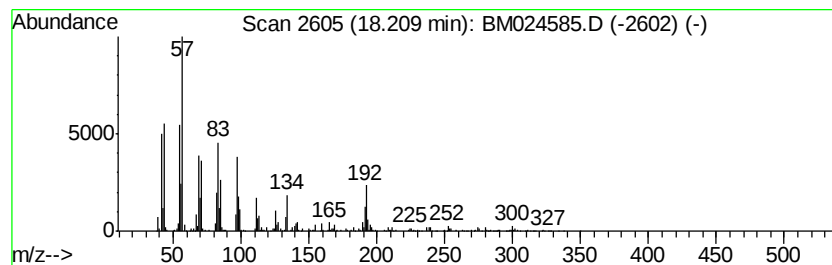
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 53 E-15-Heptadecenal Concentration Rank 36

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 18.21 | 9.56 ng/ul | 1400270 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm    | CAS#         | Qual |
|------|----|---|------------------------------|-----|------------|--------------|------|
| 1    |    |   | E-15-Heptadecenal            | 252 | C17H32O    | 1000130-97-9 | 90   |
| 2    |    |   | Eicosyl trifluoroacetate     | 394 | C22H41F3O2 | 1000351-75-2 | 62   |
| 3    |    |   | Tricosyl heptafluorobutvrate | 536 | C27H47F7O2 | 1000351-83-4 | 58   |
| 4    |    |   | 17-Pentatriacontene          | 491 | C35H70     | 006971-40-0  | 58   |
| 5    |    |   | 3-Eicosene, (E)-             | 280 | C20H40     | 074685-33-9  | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

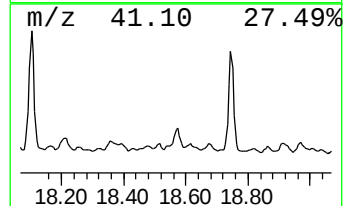
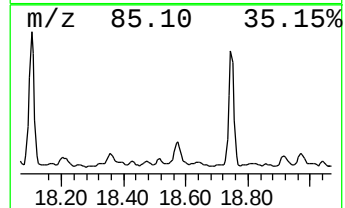
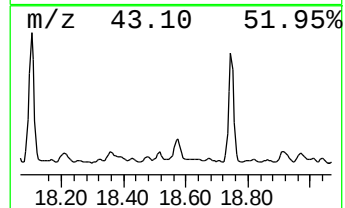
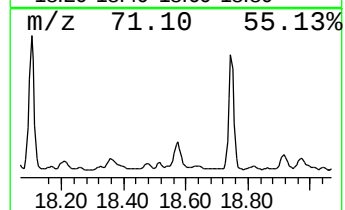
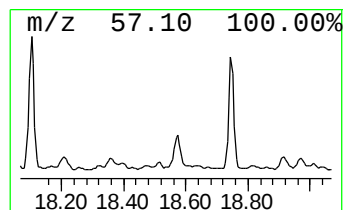
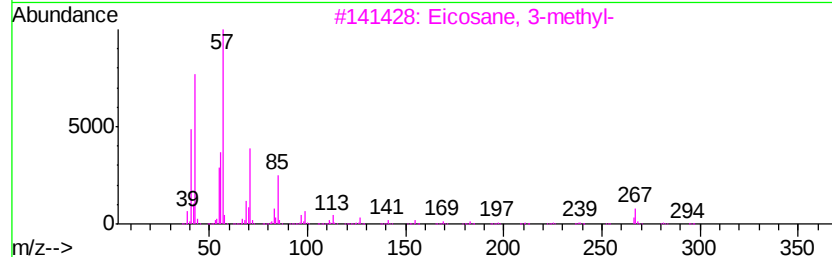
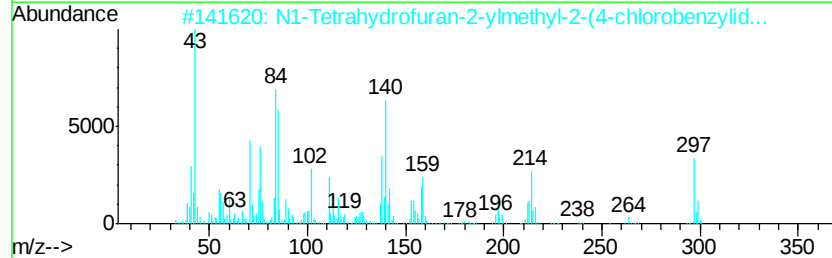
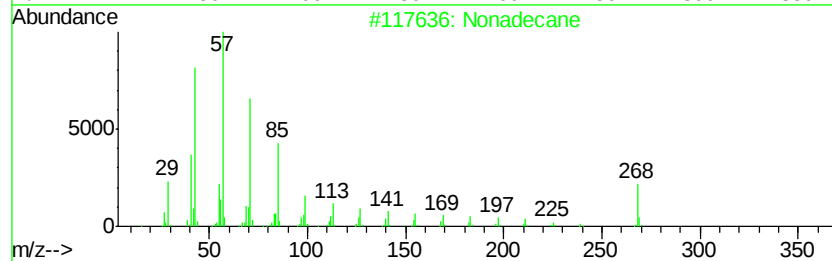
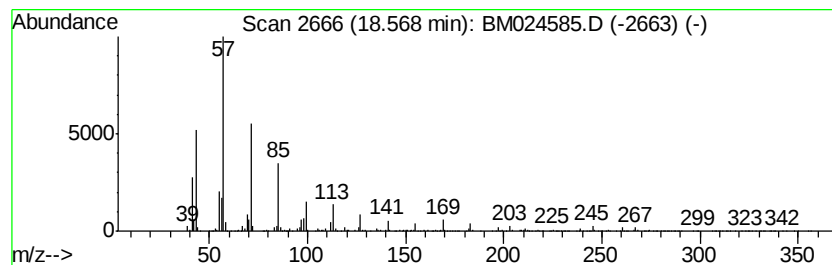
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 18.57 | 20.72 ng/ul | 3033010 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Nonadecane                          | 268 | C19H40       | 000629-92-5 | 91   |
| 2    |    | N1-Tetrahydrofuran-2-ylmethyl-2-... | 297 | C13H16ClN3OS | 283155-62-4 | 91   |
| 3    |    | Eicosane, 3-methyl-                 | 296 | C21H44       | 006418-46-8 | 91   |
| 4    |    | Hexacosane                          | 366 | C26H54       | 000630-01-3 | 90   |
| 5    |    | Heneicosane                         | 296 | C21H44       | 000629-94-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

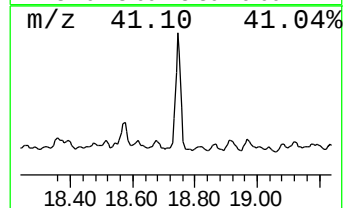
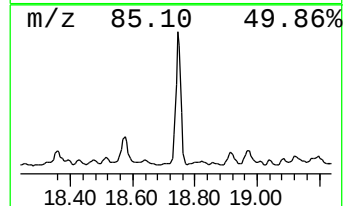
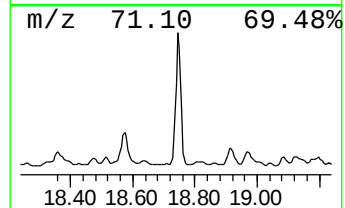
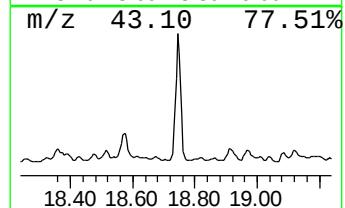
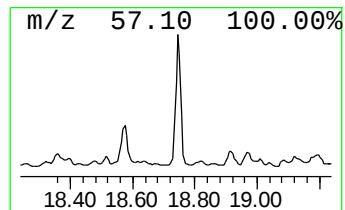
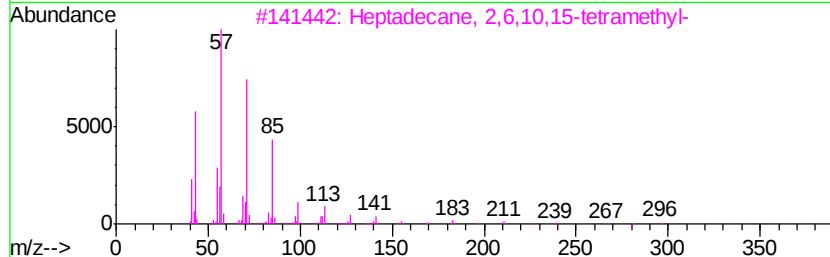
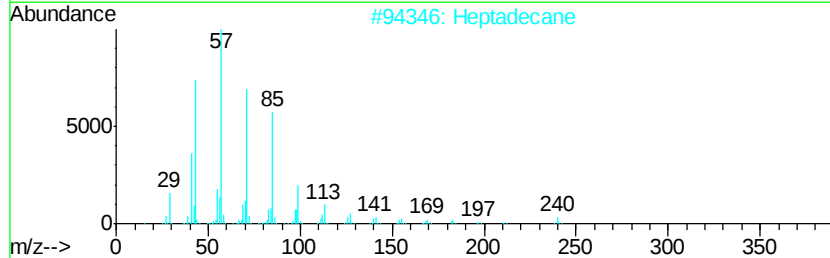
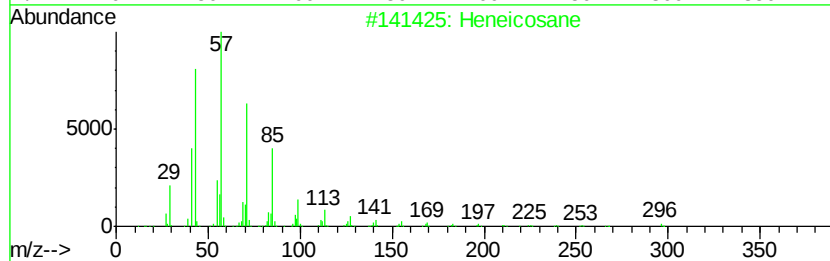
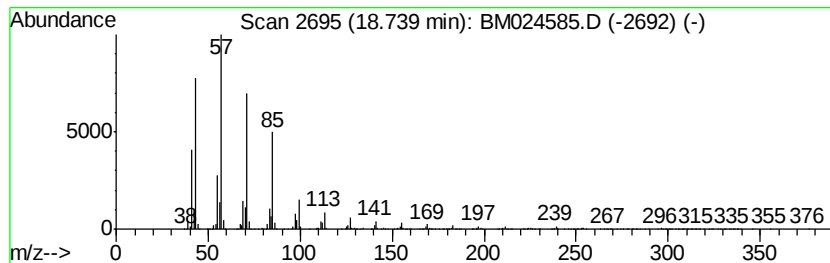
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 18.74 | 77.28 ng/ul | 11313800 | Phenanthrene-d10 | 16.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 98   |
| 2    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 97   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 96   |
| 4    |    | Docosane                            | 310 | C22H46  | 000629-97-0 | 94   |
| 5    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

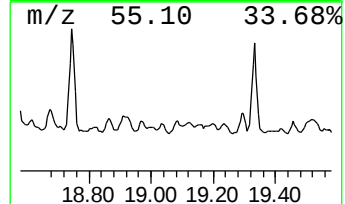
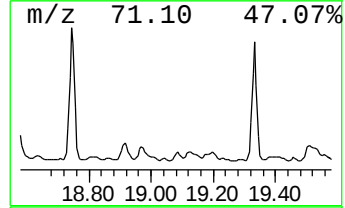
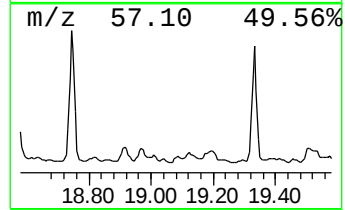
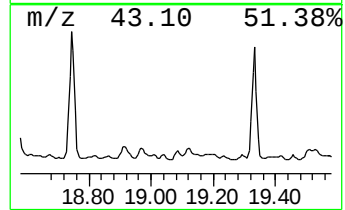
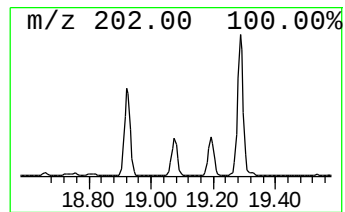
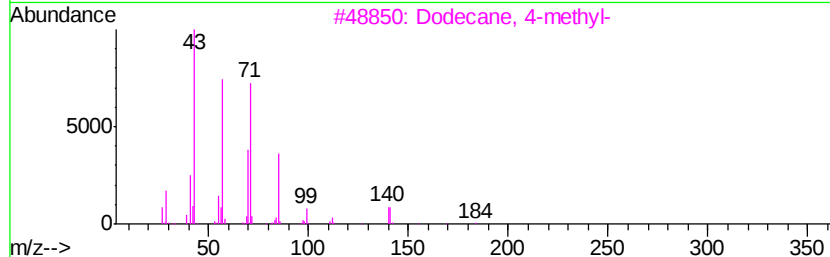
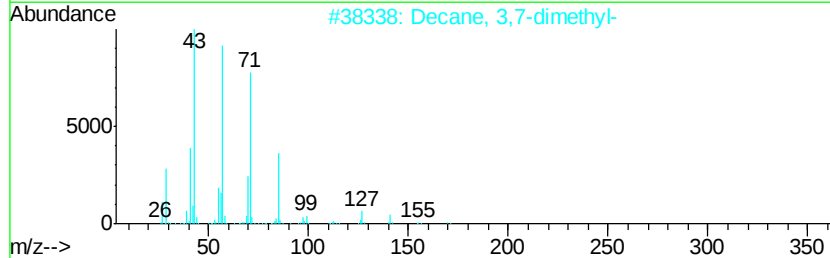
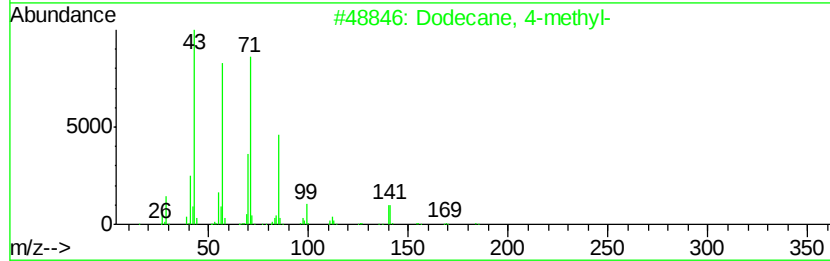
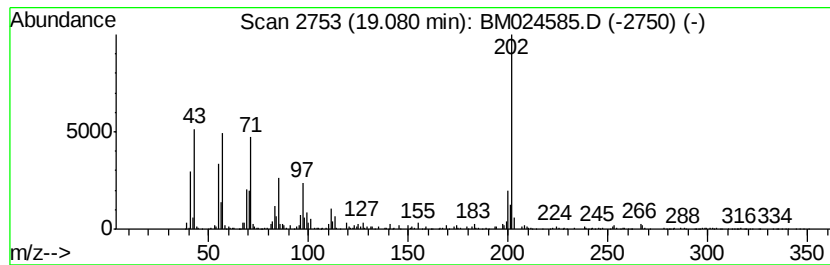
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 62

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 19.08 | 2.55 ng/ul | 1248180 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 4-methyl-                 | 184 | C13H28  | 006117-97-1 | 38   |
| 2    |    |   | Decane, 3,7-dimethyl-               | 170 | C12H26  | 017312-54-8 | 35   |
| 3    |    |   | Dodecane, 4-methyl-                 | 184 | C13H28  | 006117-97-1 | 30   |
| 4    |    |   | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10  | 000886-66-8 | 27   |
| 5    |    |   | Pyrene                              | 202 | C16H10  | 000129-00-0 | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

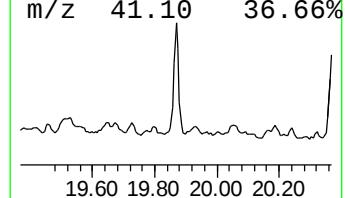
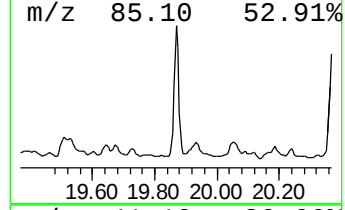
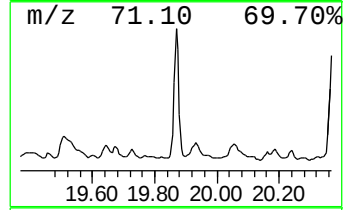
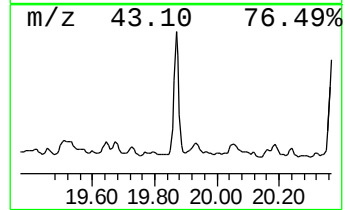
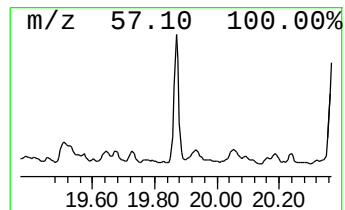
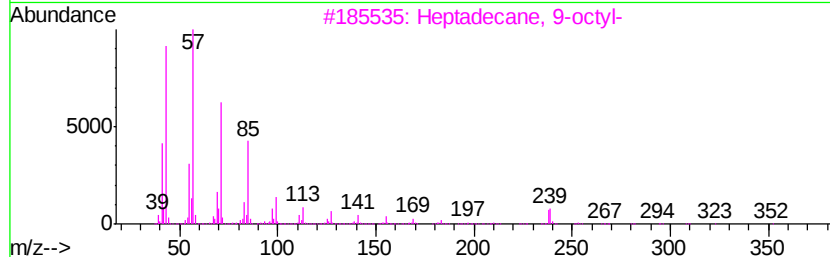
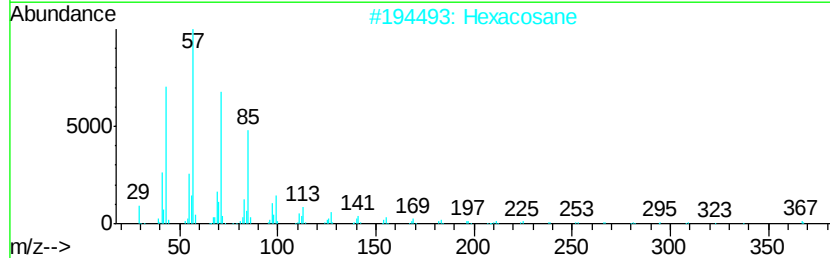
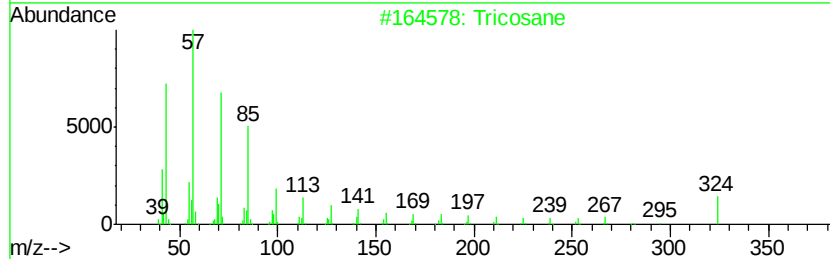
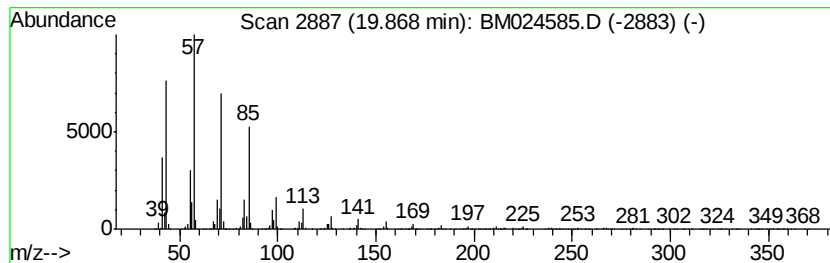
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 19.87 | 16.58 ng/ul | 8127120 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tricosane             | 324 | C23H48  | 000638-67-5 | 96   |
| 2    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 94   |
| 3    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

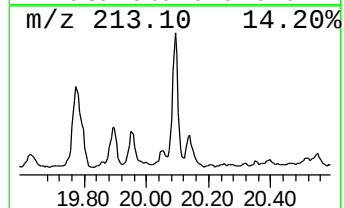
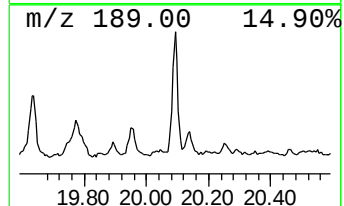
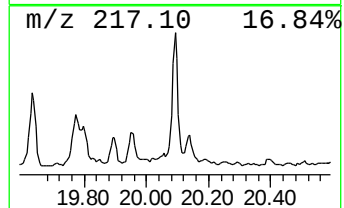
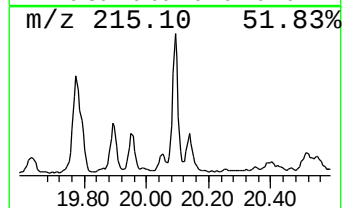
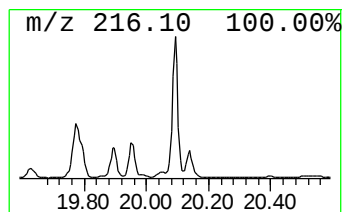
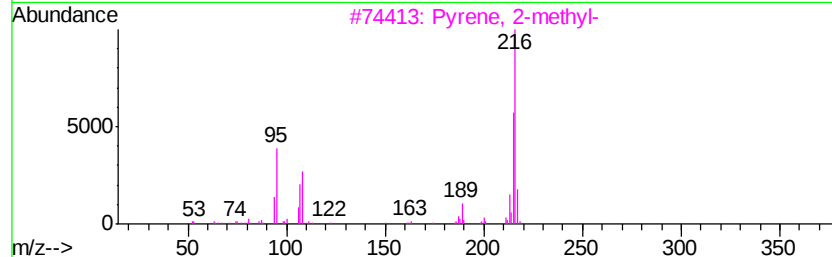
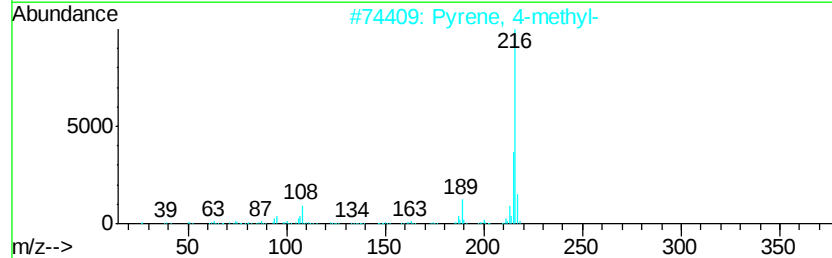
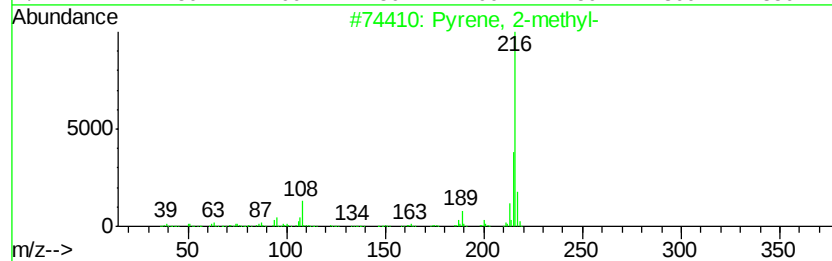
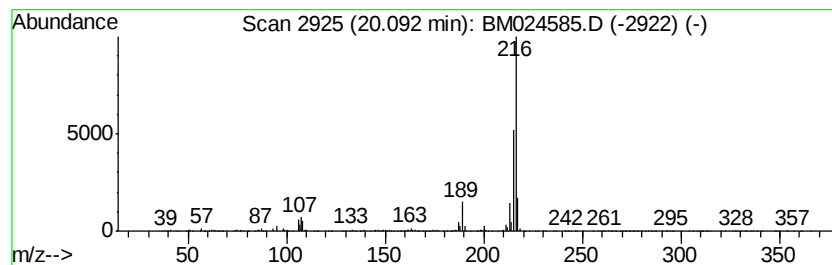
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 58 Pyrene, 2-methyl- Concentration Rank 51

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.09 | 4.82 ng/ul | 2363170 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Pyrene, 2-methyl- | 216 | C17H12  | 003442-78-2 | 94   |
| 2    |    |   | Pyrene, 4-methyl- | 216 | C17H12  | 003353-12-6 | 94   |
| 3    |    |   | Pyrene, 2-methyl- | 216 | C17H12  | 003442-78-2 | 94   |
| 4    |    |   | Pyrene, 1-methyl- | 216 | C17H12  | 002381-21-7 | 94   |
| 5    |    |   | Pyrene, 1-methyl- | 216 | C17H12  | 002381-21-7 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

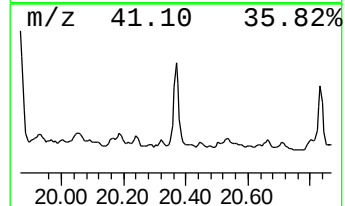
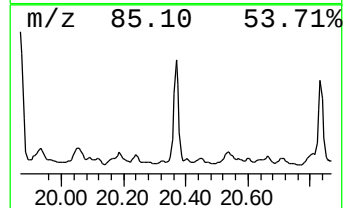
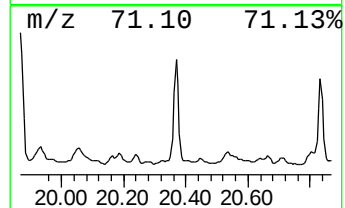
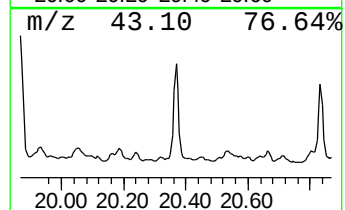
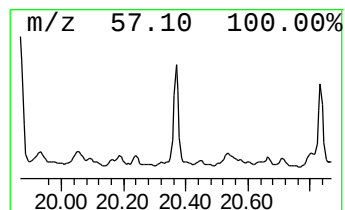
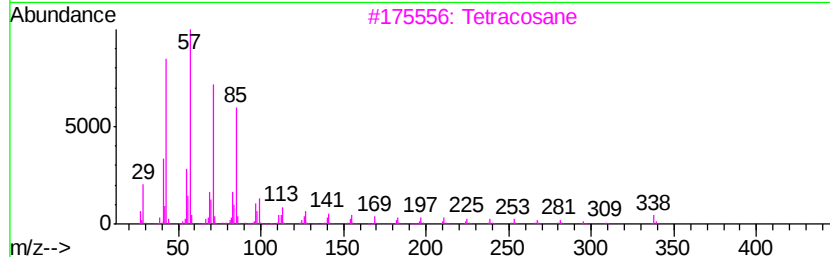
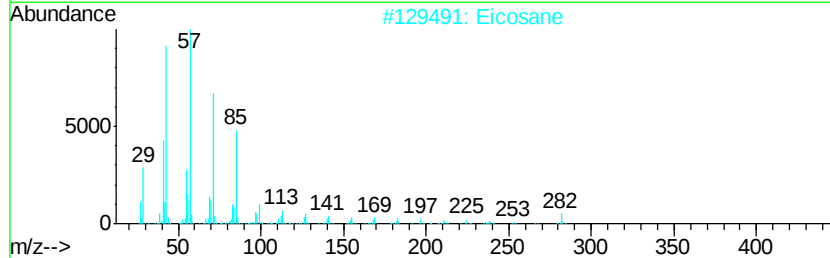
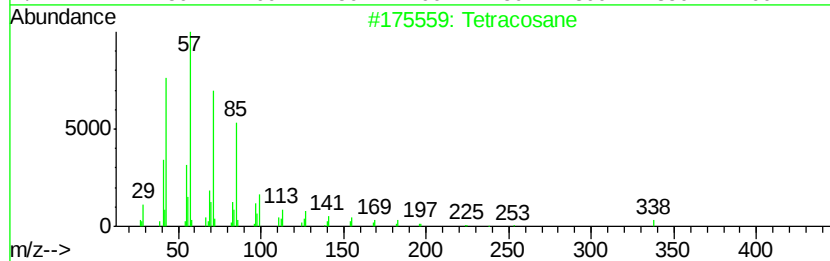
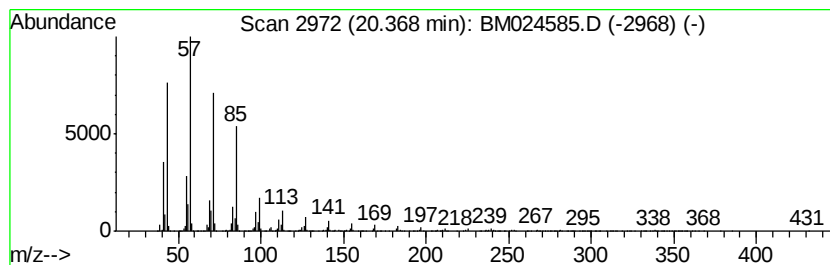
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 20.37 | 13.00 ng/ul | 6371890 | Chrysene-d12     | 21.06 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane  | 338 | C24H50  | 000646-31-1 | 98   |
| 2    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 97   |
| 3    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 97   |
| 4    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 95   |
| 5    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

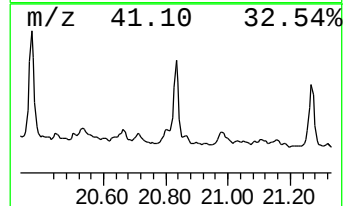
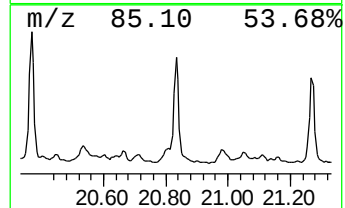
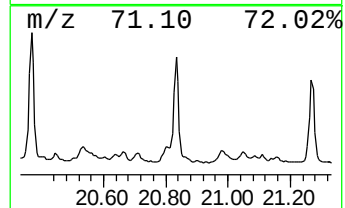
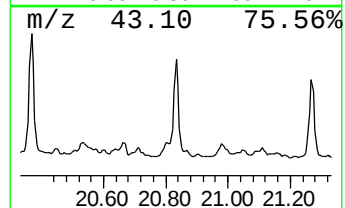
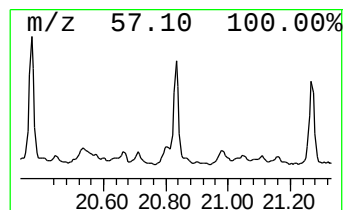
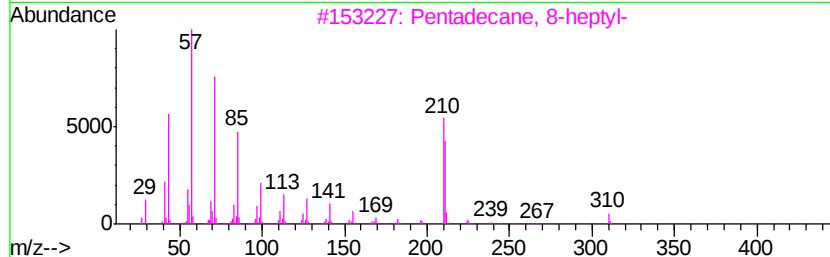
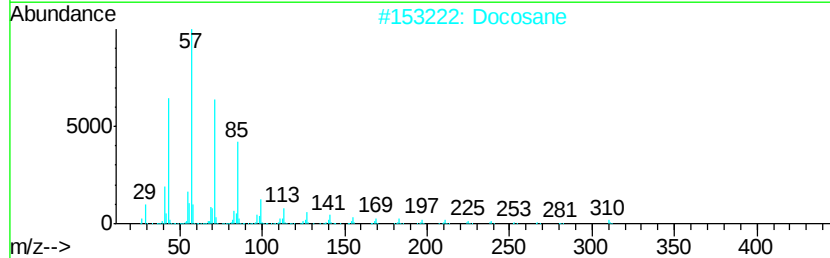
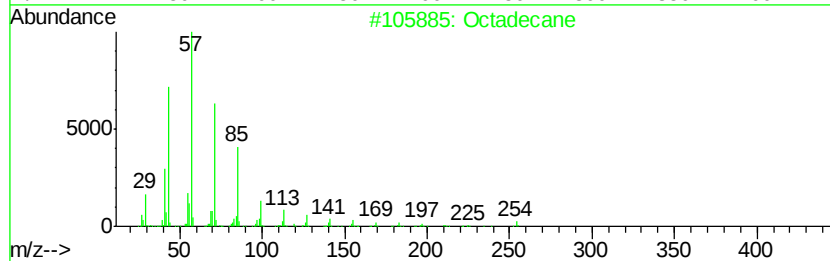
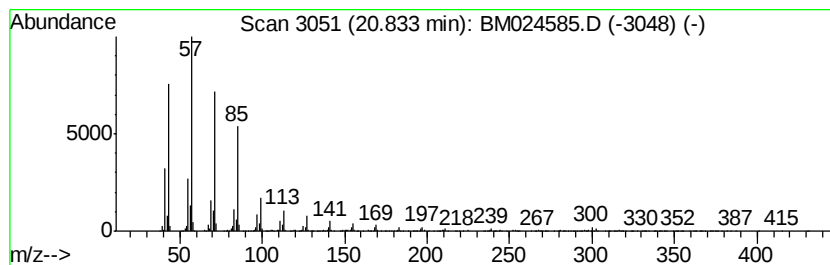
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 40

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.83 | 7.92 ng/ul | 3883800 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane             | 254 | C18H38  | 000593-45-3 | 97   |
| 2    |    |   | Docosane               | 310 | C22H46  | 000629-97-0 | 94   |
| 3    |    |   | Pentadecane, 8-heptvl- | 310 | C22H46  | 071005-15-7 | 94   |
| 4    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 93   |
| 5    |    |   | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

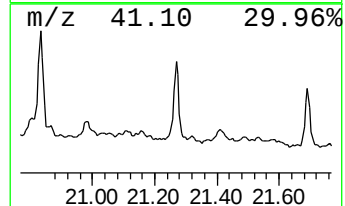
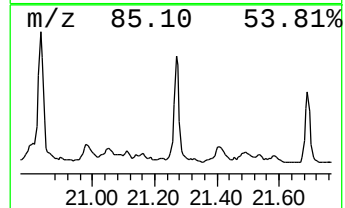
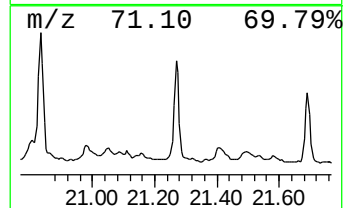
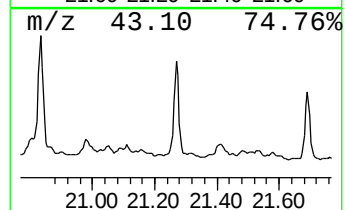
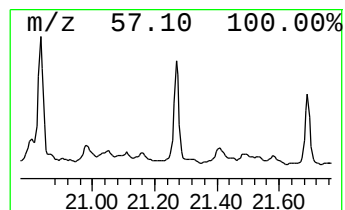
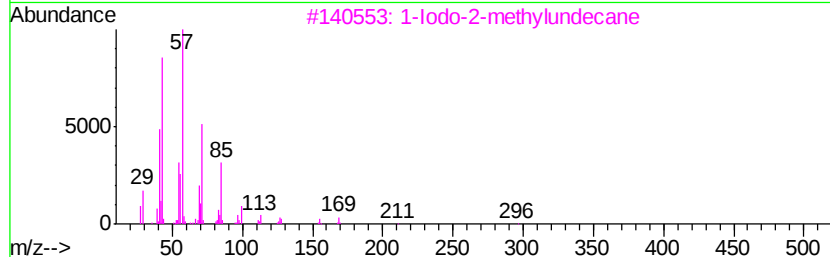
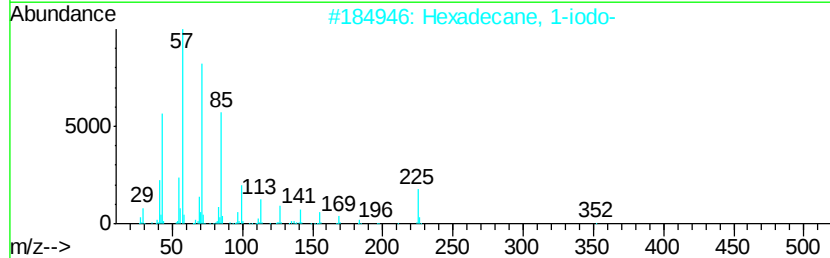
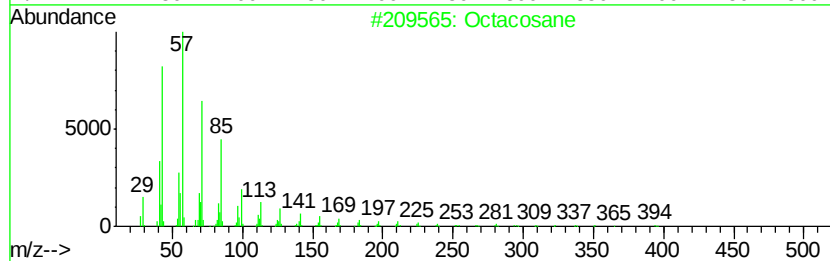
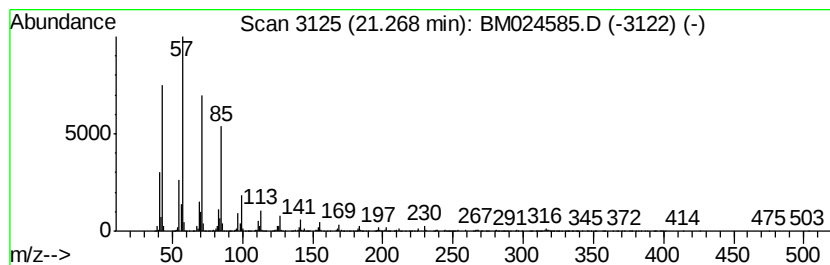
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.27 | 9.89 ng/ul | 4846210 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Octacosane              | 394 | C28H58  | 000630-02-4 | 96   |
| 2    |    |   | Hexadecane, 1-iodo-     | 352 | C16H33I | 000544-77-4 | 91   |
| 3    |    |   | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 90   |
| 4    |    |   | Heneicosane             | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    |   | Tetracosane             | 338 | C24H50  | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

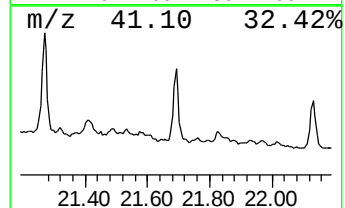
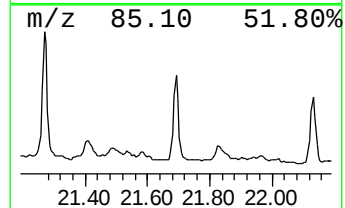
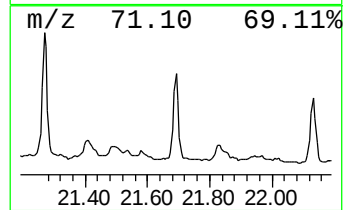
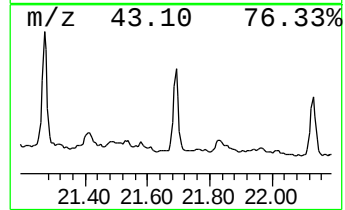
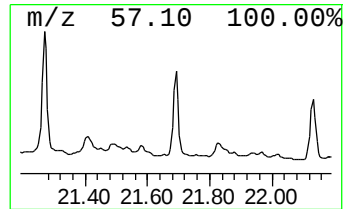
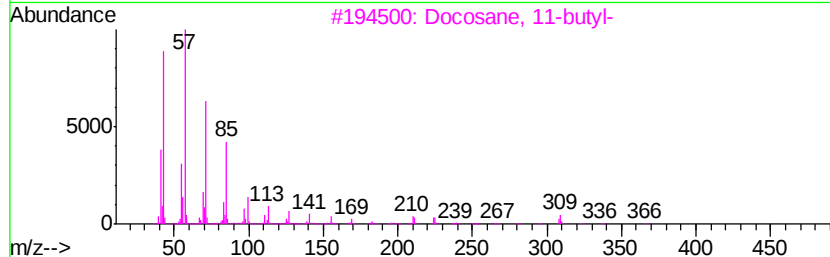
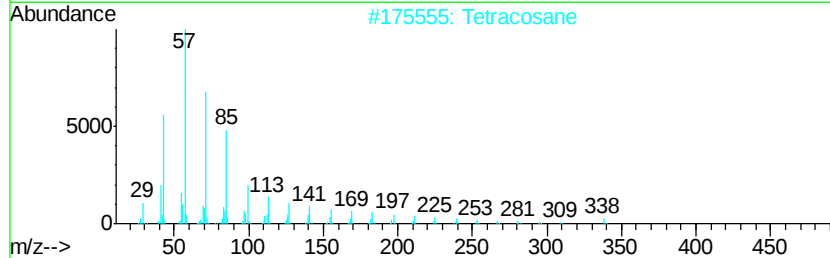
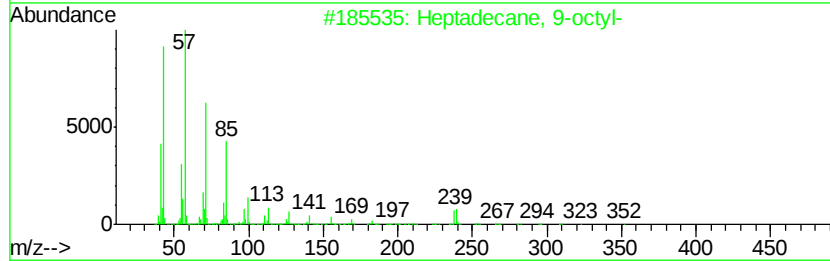
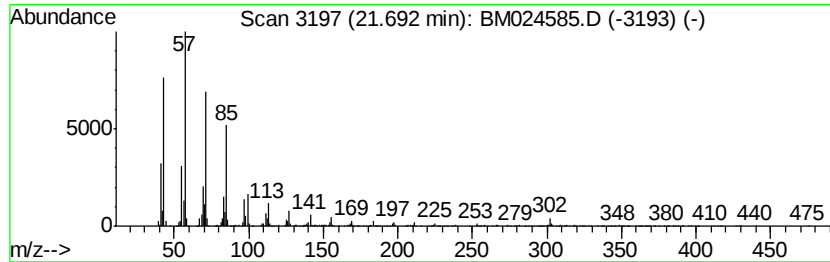
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 48

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.69 | 5.78 ng/ul | 2834170 | Chrysene-d12     | 21.06 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 95   |
| 2    |    |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 94   |
| 3    |    |   | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 94   |
| 4    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 93   |
| 5    |    |   | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

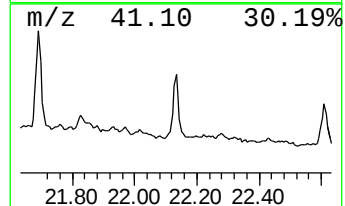
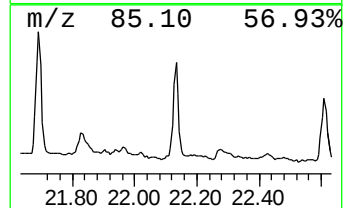
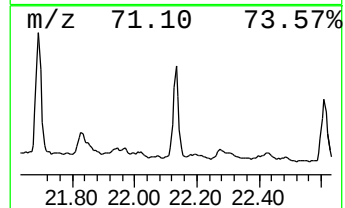
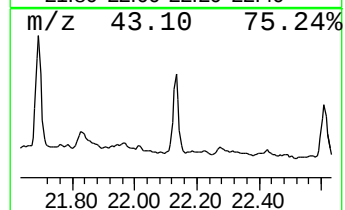
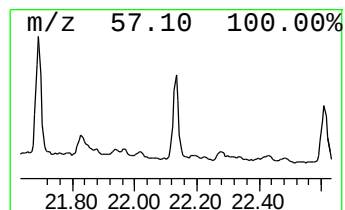
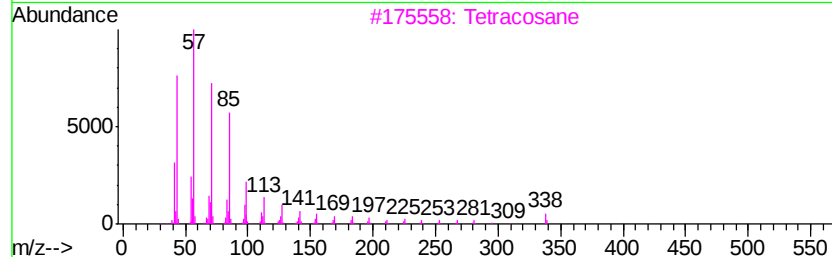
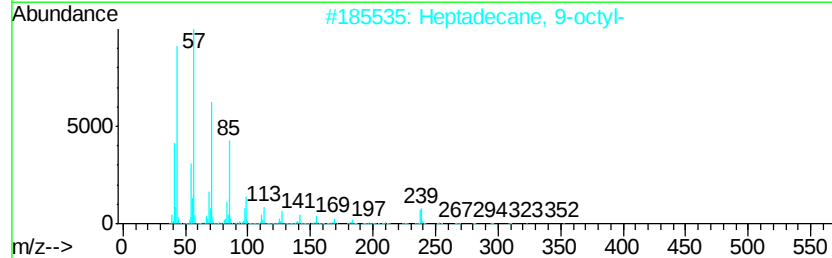
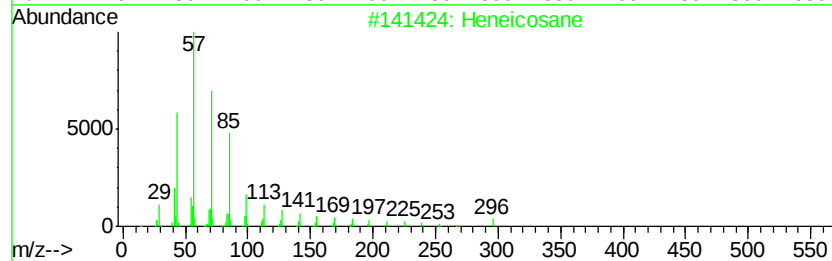
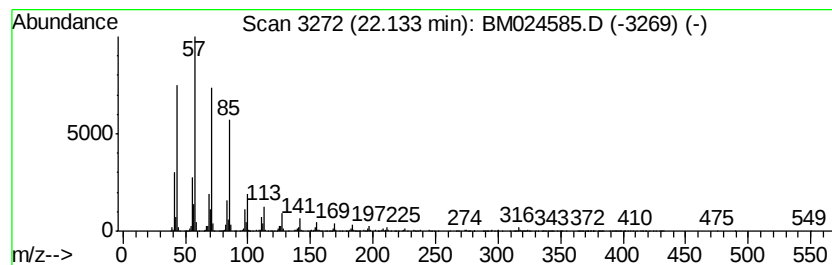
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.13 | 15.62 ng/ul | 2038060 | Perylene-d12     | 23.19 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 3    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\  
Data File : BM024585.D  
Acq On : 22 Jan 2020 17:10  
Operator : JU  
Sample : L1118-11DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION

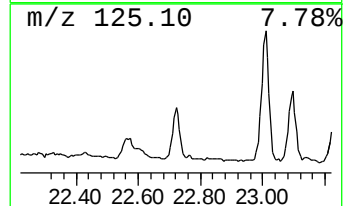
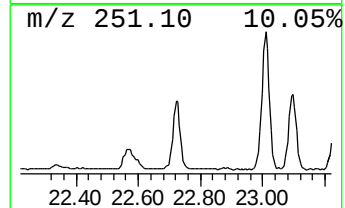
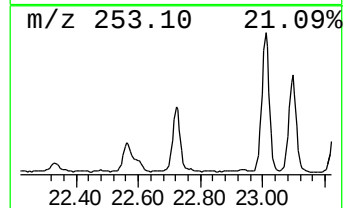
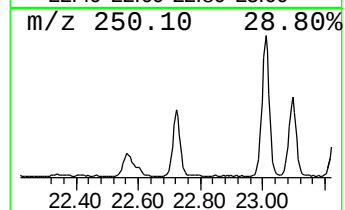
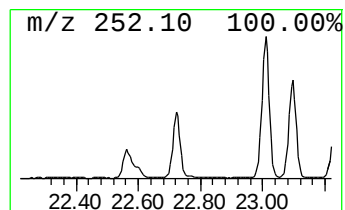
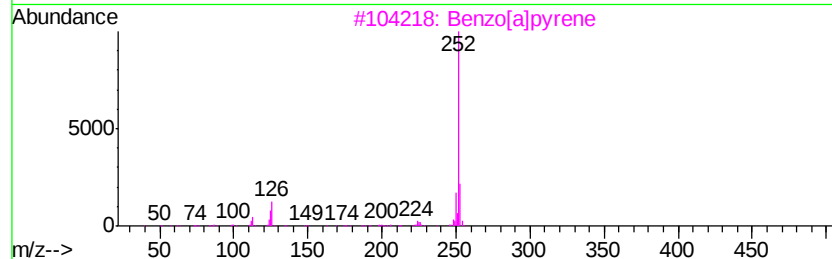
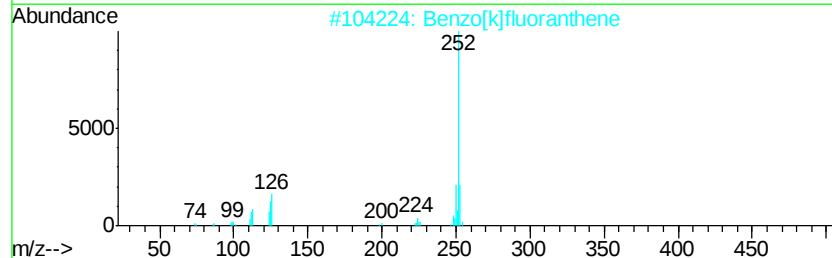
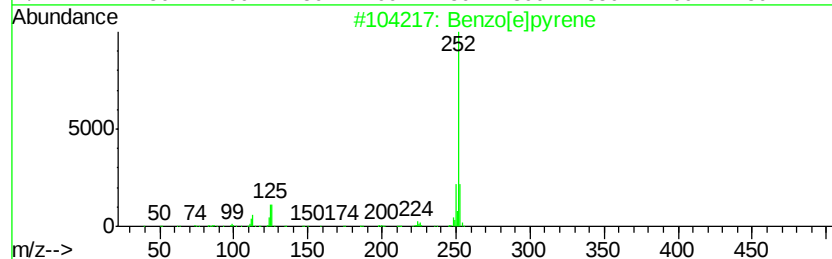
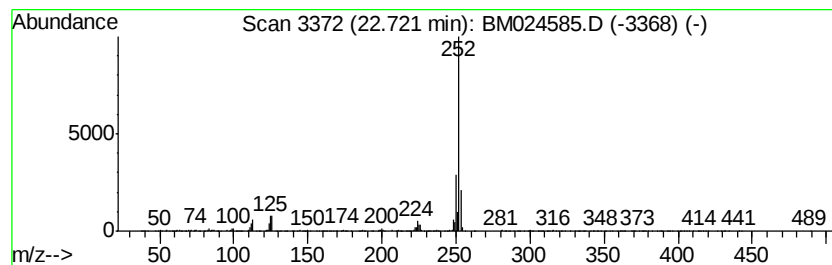
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 64 Benzo[e]pyrene Concentration Rank 16

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 22.72 | 20.66 ng/ul | 2695560 | Perylene-d12     | 23.19 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 96   |
| 2    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 96   |
| 3    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 90   |
| 4    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 89   |
| 5    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM012220\  
 Data File : BM024585.D  
 Acq On : 22 Jan 2020 17:10  
 Operator : JU  
 Sample : L1118-11DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GASK2DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
 Quant Title : SVOA 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 |
| Benzene, 1,3-dime...  | 5.15  | 19.6    | ng/ul | 1628130  | 1                     | 7.45  | 1658800 | 20.0 |
| Benzene, 1-ethyl-...  | 6.57  | 6.0     | ng/ul | 502188   | 1                     | 7.45  | 1658800 | 20.0 |
| Mesitylene            | 6.70  | 6.3     | ng/ul | 525522   | 1                     | 7.45  | 1658800 | 20.0 |
| Benzene, 1-ethyl-...  | 7.12  | 34.5    | ng/ul | 2862620  | 1                     | 7.45  | 1658800 | 20.0 |
| Benzene, 1-pentenyl-  | 7.20  | 4.2     | ng/ul | 346833   | 1                     | 7.45  | 1658800 | 20.0 |
| Benzene, 1,2,3-tr...  | 7.57  | 6.6     | ng/ul | 550823   | 1                     | 7.45  | 1658800 | 20.0 |
| Indene                | 7.98  | 42.0    | ng/ul | 3480010  | 1                     | 7.45  | 1658800 | 20.0 |
| Benzene, 1-ethyl-...  | 8.10  | 4.2     | ng/ul | 350491   | 1                     | 7.45  | 1658800 | 20.0 |
| (DEL) Alkane: Str...  | 8.70  | 13.1    | ng/ul | 1086720  | 1                     | 7.45  | 1658800 | 20.0 |
| Benzofuran, 7-met...  | 8.92  | 3.3     | ng/ul | 443249   | 2                     | 10.21 | 2727630 | 20.0 |
| Benzene, 1,2,4,5-...  | 9.13  | 3.4     | ng/ul | 461633   | 2                     | 10.21 | 2727630 | 20.0 |
| Benzene, 1-methyl-... | 9.65  | 14.1    | ng/ul | 1928740  | 2                     | 10.21 | 2727630 | 20.0 |
| Benzene, 1-butyryl-   | 9.72  | 5.9     | ng/ul | 807530   | 2                     | 10.21 | 2727630 | 20.0 |
| (DEL) Alkane: Str...  | 11.29 | 4.0     | ng/ul | 540069   | 2                     | 10.21 | 2727630 | 20.0 |
| Naphthalene, 1,2-...  | 11.41 | 2.7     | ng/ul | 362496   | 2                     | 10.21 | 2727630 | 20.0 |
| (DEL) Alkane: Str...  | 11.69 | 9.8     | ng/ul | 1339580  | 2                     | 10.21 | 2727630 | 20.0 |
| Naphthalene, 1-me...  | 12.11 | 31.1    | ng/ul | 4234560  | 2                     | 10.21 | 2727630 | 20.0 |
| (DEL) Alkane: Str...  | 12.67 | 2.2     | ng/ul | 471546   | 3                     | 14.10 | 4247140 | 20.0 |
| Naphthalene, 2-et...  | 13.12 | 4.2     | ng/ul | 898003   | 3                     | 14.10 | 4247140 | 20.0 |
| Naphthalene, 2,7-...  | 13.26 | 5.0     | ng/ul | 1057850  | 3                     | 14.10 | 4247140 | 20.0 |
| Naphthalene, 2,3-...  | 13.42 | 9.2     | ng/ul | 1951290  | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 13.63 | 19.5    | ng/ul | 4150480  | 3                     | 14.10 | 4247140 | 20.0 |
| 2-Pentanone, 4-cy...  | 13.94 | 2.3     | ng/ul | 478911   | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 14.56 | 9.2     | ng/ul | 1953020  | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 14.68 | 12.1    | ng/ul | 2573220  | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 14.74 | 3.8     | ng/ul | 804624   | 3                     | 14.10 | 4247140 | 20.0 |
| Naphthalene, 2,3,...  | 14.79 | 3.7     | ng/ul | 784543   | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 14.91 | 7.5     | ng/ul | 1588110  | 3                     | 14.10 | 4247140 | 20.0 |
| 1H-Phenylene          | 14.98 | 4.0     | ng/ul | 849056   | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 15.02 | 34.3    | ng/ul | 7290690  | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 15.43 | 57.8    | ng/ul | 12279700 | 3                     | 14.10 | 4247140 | 20.0 |
| (DEL) Alkane: Str...  | 15.52 | 9.8     | ng/ul | 1427430  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 15.57 | 15.7    | ng/ul | 2293550  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Cyc...  | 15.62 | 17.1    | ng/ul | 2508240  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Cyc...  | 15.75 | 8.3     | ng/ul | 1212990  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 15.88 | 101.2   | ng/ul | 14811900 | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 15.91 | 108.0   | ng/ul | 15807200 | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 16.22 | 16.2    | ng/ul | 2369490  | 4                     | 16.86 | 2927980 | 20.0 |
| 2-Bromotetradecane    | 16.29 | 19.9    | ng/ul | 2910790  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 16.39 | 5.5     | ng/ul | 810491   | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 16.67 | 100.7   | ng/ul | 14734900 | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 16.73 | 95.0    | ng/ul | 13904700 | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 17.14 | 7.5     | ng/ul | 1098470  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Cyc...  | 17.26 | 7.1     | ng/ul | 1035590  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 17.42 | 97.0    | ng/ul | 14194800 | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 17.92 | 21.3    | ng/ul | 3112420  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 18.10 | 88.6    | ng/ul | 12973500 | 4                     | 16.86 | 2927980 | 20.0 |
| E-15-Heptadecenal     | 18.21 | 9.6     | ng/ul | 1400270  | 4                     | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str...  | 18.57 | 20.7    | ng/ul | 3033010  | 4                     | 16.86 | 2927980 | 20.0 |

|                      |       |            |          |   |       |         |      |
|----------------------|-------|------------|----------|---|-------|---------|------|
| (DEL) Alkane: Str... | 18.74 | 77.3 ng/ul | 11313800 | 4 | 16.86 | 2927980 | 20.0 |
| (DEL) Alkane: Str... | 19.08 | 2.5 ng/ul  | 1248180  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 19.87 | 16.6 ng/ul | 8127120  | 5 | 21.06 | 9804380 | 20.0 |
| Pyrene, 2-methyl-    | 20.09 | 4.8 ng/ul  | 2363170  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 20.37 | 13.0 ng/ul | 6371890  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 20.83 | 7.9 ng/ul  | 3883800  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 21.27 | 9.9 ng/ul  | 4846210  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 21.69 | 5.8 ng/ul  | 2834170  | 5 | 21.06 | 9804380 | 20.0 |
| (DEL) Alkane: Str... | 22.13 | 15.6 ng/ul | 2038060  | 6 | 23.19 | 2609030 | 20.0 |
| Benzo[e]pyrene       | 22.72 | 20.7 ng/ul | 2695560  | 6 | 23.19 | 2609030 | 20.0 |

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 GASK2DL