

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
 Data File : BM020404.D  
 Acq On : 18 May 2019 16:37  
 Operator : JU/SJ  
 Sample : K2604-13MEDL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GAJ87MEDL

## 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-BM051619MA.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         | 6.898       | 661           | 665         | 672          | rVB2     | 25166          | 36694         | 2.35%           | 0.193%        |
| 2         | 7.075       | 691           | 695         | 704          | rVB3     | 24753          | 47632         | 3.05%           | 0.250%        |
| 3         | 7.263       | 721           | 727         | 733          | rBV      | 42186          | 70618         | 4.52%           | 0.371%        |
| 4         | 7.328       | 733           | 738         | 741          | rVV3     | 23676          | 34174         | 2.19%           | 0.180%        |
| 5         | 7.369       | 741           | 745         | 754          | rVB3     | 31086          | 59676         | 3.82%           | 0.314%        |
| 6         | 7.728       | 801           | 806         | 816          | rVV      | 265227         | 431541        | 27.65%          | 2.267%        |
| 7         | 8.257       | 885           | 896         | 906          | rVV      | 75447          | 146741        | 9.40%           | 0.771%        |
| 8         | 8.434       | 922           | 926         | 938          | rVV3     | 32058          | 76675         | 4.91%           | 0.403%        |
| 9         | 8.816       | 986           | 991         | 998          | rVB6     | 18688          | 32924         | 2.11%           | 0.173%        |
| 10        | 8.922       | 1000          | 1009        | 1018         | rBV2     | 100517         | 231982        | 14.86%          | 1.219%        |
| 11        | 9.339       | 1075          | 1080        | 1086         | rVB5     | 21421          | 35172         | 2.25%           | 0.185%        |
| 12        | 9.622       | 1121          | 1128        | 1134         | rVV5     | 48658          | 103395        | 6.62%           | 0.543%        |
| 13        | 9.687       | 1134          | 1139        | 1146         | rVV7     | 18937          | 45237         | 2.90%           | 0.238%        |
| 14        | 9.751       | 1146          | 1150        | 1158         | rVV2     | 19699          | 45348         | 2.91%           | 0.238%        |
| 15        | 9.916       | 1173          | 1178        | 1190         | rVV5     | 66276          | 142249        | 9.11%           | 0.747%        |
| 16        | 10.022      | 1191          | 1196        | 1200         | rVV4     | 22288          | 39757         | 2.55%           | 0.209%        |
| 17        | 10.145      | 1211          | 1217        | 1223         | rBV2     | 46096          | 79469         | 5.09%           | 0.418%        |
| 18        | 10.469      | 1266          | 1272        | 1276         | rVV      | 163753         | 286056        | 18.33%          | 1.503%        |
| 19        | 10.522      | 1276          | 1281        | 1285         | rVV      | 341289         | 619079        | 39.67%          | 3.252%        |
| 20        | 10.569      | 1285          | 1289        | 1295         | rVV      | 629966         | 1047943       | 67.15%          | 5.506%        |
| 21        | 10.651      | 1295          | 1303        | 1312         | rVV2     | 94416          | 248187        | 15.90%          | 1.304%        |
| 22        | 10.716      | 1312          | 1314        | 1322         | rVV6     | 18667          | 32206         | 2.06%           | 0.169%        |
| 23        | 11.198      | 1385          | 1396        | 1403         | rBV7     | 49788          | 143594        | 9.20%           | 0.754%        |
| 24        | 11.328      | 1412          | 1418        | 1427         | rBV6     | 26038          | 52246         | 3.35%           | 0.274%        |
| 25        | 11.410      | 1427          | 1432        | 1440         | rVB5     | 42608          | 90662         | 5.81%           | 0.476%        |
| 26        | 11.516      | 1440          | 1450        | 1454         | rBV      | 103451         | 182778        | 11.71%          | 0.960%        |
| 27        | 11.704      | 1472          | 1482        | 1489         | rBV10    | 15570          | 46666         | 2.99%           | 0.245%        |
| 28        | 11.922      | 1513          | 1519        | 1526         | rBV2     | 131711         | 226176        | 14.49%          | 1.188%        |
| 29        | 12.063      | 1540          | 1543        | 1549         | rVV7     | 20134          | 38946         | 2.50%           | 0.205%        |
| 30        | 12.145      | 1549          | 1557        | 1559         | rVV4     | 45476          | 85067         | 5.45%           | 0.447%        |
| 31        | 12.186      | 1559          | 1564        | 1576         | rVB      | 343336         | 552991        | 35.43%          | 2.905%        |
| 32        | 12.410      | 1593          | 1602        | 1610         | rVV      | 207396         | 366416        | 23.48%          | 1.925%        |
| 33        | 12.480      | 1610          | 1614        | 1622         | rVB6     | 18759          | 38759         | 2.48%           | 0.204%        |
| 34        | 12.563      | 1622          | 1628        | 1631         | rBV6     | 32682          | 52762         | 3.38%           | 0.277%        |

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 GAJ87MEDL

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 Sampling : 1  
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 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-BM051619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.628 | 1631 | 1639 | 1643 | rVV5 | 42180  | 105694 | 6.77%  | 0.555% |
| 36 | 12.669 | 1643 | 1646 | 1649 | rVV2 | 25326  | 34775  | 2.23%  | 0.183% |
| 37 | 12.745 | 1655 | 1659 | 1663 | rVV2 | 35988  | 54085  | 3.47%  | 0.284% |
| 38 | 12.833 | 1670 | 1674 | 1677 | rVV2 | 24847  | 35018  | 2.24%  | 0.184% |
| 39 | 12.880 | 1677 | 1682 | 1687 | rVV  | 111613 | 168772 | 10.81% | 0.887% |
| 40 | 13.180 | 1725 | 1733 | 1735 | rBV2 | 95566  | 163998 | 10.51% | 0.862% |
| 41 | 13.404 | 1765 | 1771 | 1781 | rVB  | 91655  | 177304 | 11.36% | 0.932% |
| 42 | 13.533 | 1788 | 1793 | 1795 | rBV  | 71145  | 109042 | 6.99%  | 0.573% |
| 43 | 13.692 | 1815 | 1820 | 1826 | rBV  | 124740 | 227611 | 14.58% | 1.196% |
| 44 | 13.745 | 1826 | 1829 | 1833 | rVV  | 91041  | 121966 | 7.81%  | 0.641% |
| 45 | 13.792 | 1833 | 1837 | 1841 | rVV  | 125269 | 188790 | 12.10% | 0.992% |
| 46 | 13.839 | 1841 | 1845 | 1849 | rVB  | 139970 | 192041 | 12.30% | 1.009% |
| 47 | 13.880 | 1849 | 1852 | 1856 | rVB3 | 26005  | 32750  | 2.10%  | 0.172% |
| 48 | 13.933 | 1857 | 1861 | 1863 | rBV  | 40493  | 53736  | 3.44%  | 0.282% |
| 49 | 13.963 | 1863 | 1866 | 1871 | rVB5 | 35424  | 50089  | 3.21%  | 0.263% |
| 50 | 14.069 | 1878 | 1884 | 1888 | rBV  | 150770 | 253869 | 16.27% | 1.334% |
| 51 | 14.198 | 1901 | 1906 | 1911 | rVB4 | 17092  | 31105  | 1.99%  | 0.163% |
| 52 | 14.257 | 1911 | 1916 | 1924 | rBV2 | 64838  | 100027 | 6.41%  | 0.526% |
| 53 | 14.380 | 1924 | 1937 | 1942 | rBV2 | 531356 | 892107 | 57.16% | 4.687% |
| 54 | 14.445 | 1942 | 1948 | 1955 | rVV  | 233346 | 381017 | 24.41% | 2.002% |
| 55 | 14.598 | 1967 | 1974 | 1979 | rBV3 | 23961  | 66850  | 4.28%  | 0.351% |
| 56 | 14.769 | 1998 | 2003 | 2008 | rVV3 | 49758  | 106925 | 6.85%  | 0.562% |
| 57 | 14.851 | 2013 | 2017 | 2020 | rVV  | 47507  | 76433  | 4.90%  | 0.402% |
| 58 | 14.880 | 2020 | 2022 | 2028 | rVV4 | 39810  | 61836  | 3.96%  | 0.325% |
| 59 | 14.986 | 2036 | 2040 | 2047 | rVV4 | 29057  | 56164  | 3.60%  | 0.295% |
| 60 | 15.163 | 2063 | 2070 | 2074 | rBV6 | 19719  | 46611  | 2.99%  | 0.245% |
| 61 | 15.210 | 2074 | 2078 | 2082 | rVV2 | 34771  | 47630  | 3.05%  | 0.250% |
| 62 | 15.251 | 2082 | 2085 | 2091 | rVB2 | 31261  | 46303  | 2.97%  | 0.243% |
| 63 | 15.374 | 2099 | 2106 | 2111 | rVV  | 221737 | 307289 | 19.69% | 1.614% |
| 64 | 15.427 | 2111 | 2115 | 2125 | rVV  | 124064 | 194947 | 12.49% | 1.024% |
| 65 | 15.616 | 2139 | 2147 | 2157 | rVB4 | 69104  | 164619 | 10.55% | 0.865% |
| 66 | 15.716 | 2157 | 2164 | 2170 | rBV6 | 23239  | 35304  | 2.26%  | 0.185% |
| 67 | 15.774 | 2170 | 2174 | 2180 | rVB4 | 17099  | 32589  | 2.09%  | 0.171% |
| 68 | 15.839 | 2180 | 2185 | 2190 | rBV3 | 45921  | 78068  | 5.00%  | 0.410% |
| 69 | 16.098 | 2221 | 2229 | 2234 | rBV  | 126352 | 214801 | 13.76% | 1.129% |
| 70 | 16.480 | 2291 | 2294 | 2300 | rVB3 | 30513  | 41706  | 2.67%  | 0.219% |
| 71 | 16.921 | 2364 | 2369 | 2372 | rBV  | 48173  | 76090  | 4.88%  | 0.400% |

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 Sampling : 1  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 16.951 | 2372 | 2374 | 2380 | rVB  | 40849   | 50705   | 3.25%   | 0.266% |
| 73  | 17.127 | 2398 | 2404 | 2408 | rBV2 | 667393  | 1000169 | 64.08%  | 5.255% |
| 74  | 17.174 | 2408 | 2412 | 2417 | rVV  | 512588  | 740352  | 47.44%  | 3.890% |
| 75  | 17.227 | 2417 | 2421 | 2424 | rVV  | 203303  | 284388  | 18.22%  | 1.494% |
| 76  | 17.262 | 2424 | 2427 | 2435 | rVB  | 118252  | 167387  | 10.73%  | 0.879% |
| 77  | 17.710 | 2499 | 2503 | 2509 | rVV2 | 22219   | 31923   | 2.05%   | 0.168% |
| 78  | 18.004 | 2547 | 2553 | 2557 | rBV  | 87833   | 127209  | 8.15%   | 0.668% |
| 79  | 18.051 | 2557 | 2561 | 2568 | rVV  | 98496   | 141392  | 9.06%   | 0.743% |
| 80  | 18.133 | 2570 | 2575 | 2580 | rVV2 | 30499   | 52467   | 3.36%   | 0.276% |
| 81  | 18.198 | 2580 | 2586 | 2590 | rVV2 | 114625  | 216250  | 13.86%  | 1.136% |
| 82  | 18.233 | 2590 | 2592 | 2599 | rVB  | 60329   | 83727   | 5.36%   | 0.440% |
| 83  | 18.509 | 2635 | 2639 | 2645 | rBV  | 41776   | 61097   | 3.91%   | 0.321% |
| 84  | 18.927 | 2705 | 2710 | 2715 | rBV3 | 45699   | 79115   | 5.07%   | 0.416% |
| 85  | 19.192 | 2748 | 2755 | 2761 | rBV  | 262271  | 350442  | 22.45%  | 1.841% |
| 86  | 19.345 | 2776 | 2781 | 2787 | rBV  | 75936   | 100812  | 6.46%   | 0.530% |
| 87  | 19.527 | 2807 | 2812 | 2815 | rBV  | 303566  | 469210  | 30.06%  | 2.465% |
| 88  | 19.556 | 2815 | 2817 | 2826 | rVB  | 356981  | 431702  | 27.66%  | 2.268% |
| 89  | 19.892 | 2868 | 2874 | 2881 | rBV4 | 23020   | 53183   | 3.41%   | 0.279% |
| 90  | 20.027 | 2890 | 2897 | 2898 | rBV3 | 24711   | 40790   | 2.61%   | 0.214% |
| 91  | 20.051 | 2898 | 2901 | 2907 | rVB  | 61117   | 91551   | 5.87%   | 0.481% |
| 92  | 20.156 | 2914 | 2919 | 2923 | rBV2 | 55948   | 74440   | 4.77%   | 0.391% |
| 93  | 20.215 | 2924 | 2929 | 2932 | rBV2 | 33004   | 41541   | 2.66%   | 0.218% |
| 94  | 20.351 | 2949 | 2952 | 2956 | rVV  | 26712   | 34078   | 2.18%   | 0.179% |
| 95  | 20.398 | 2957 | 2960 | 2967 | rVB  | 40965   | 64020   | 4.10%   | 0.336% |
| 96  | 21.009 | 3061 | 3064 | 3068 | rBV2 | 29394   | 58378   | 3.74%   | 0.307% |
| 97  | 21.327 | 3110 | 3118 | 3122 | rBV2 | 1002051 | 1560706 | 100.00% | 8.199% |
| 98  | 21.362 | 3122 | 3124 | 3130 | rVB  | 135490  | 161241  | 10.33%  | 0.847% |
| 99  | 23.444 | 3473 | 3478 | 3483 | rBV2 | 231247  | 403148  | 25.83%  | 2.118% |
| 100 | 23.592 | 3497 | 3503 | 3517 | rVB  | 637663  | 1264995 | 81.05%  | 6.646% |

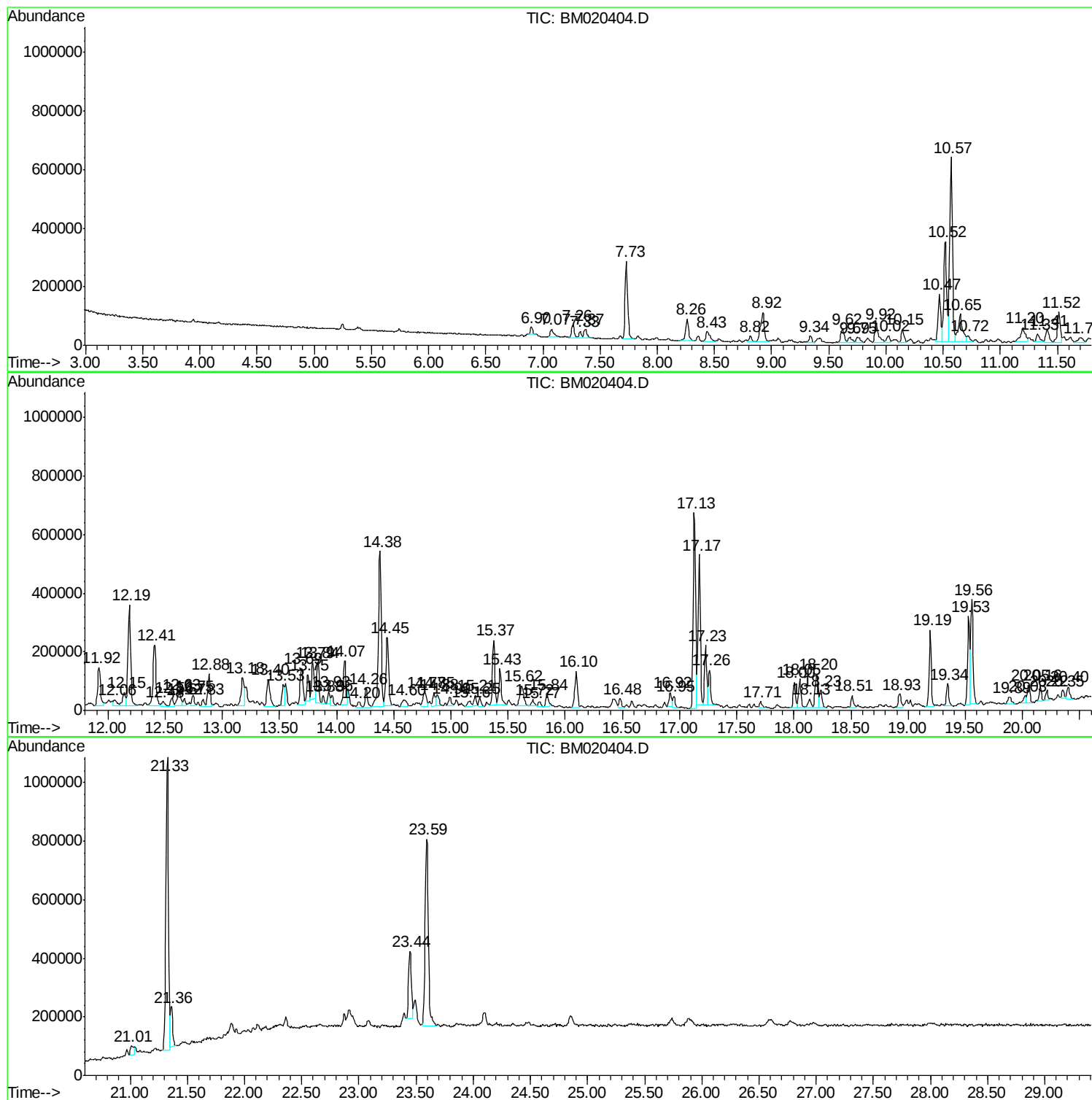
Sum of corrected areas: 19034197

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

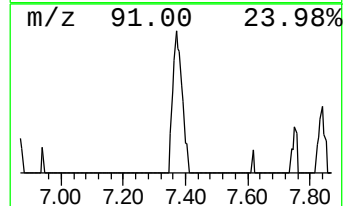
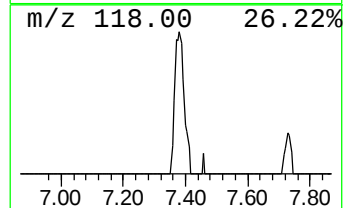
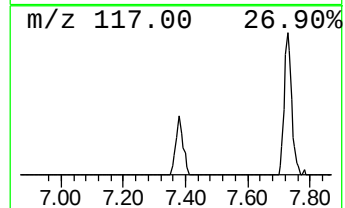
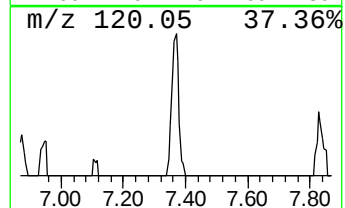
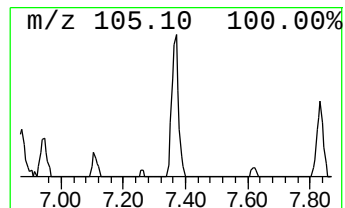
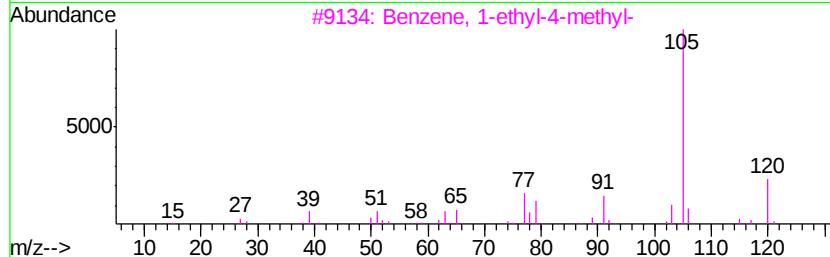
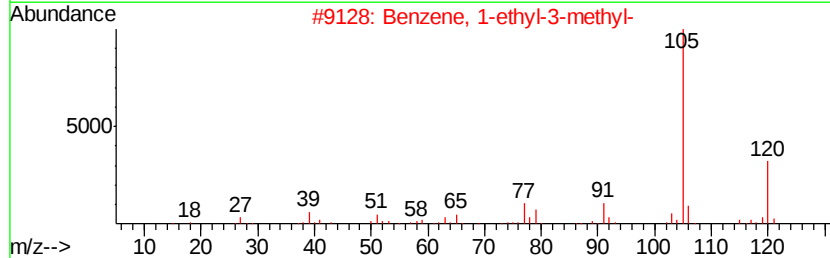
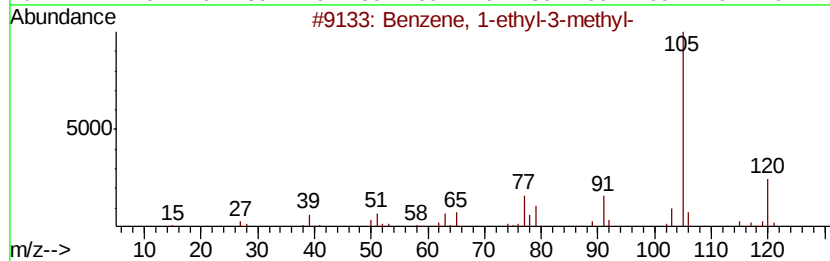
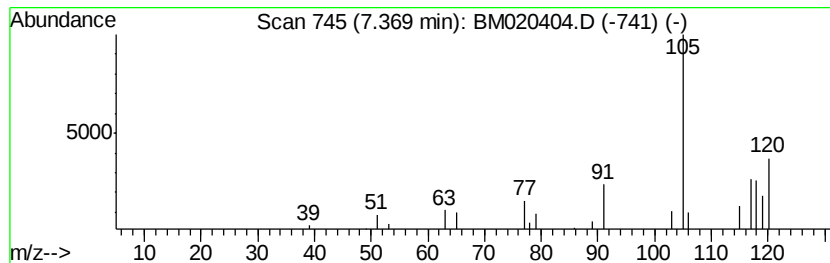
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 16

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 7.37 | 2.77 ng/ul | 59676 | 1,4-Dichlorobenzene-d4 | 7.73 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 49   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 49   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 43   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 43   |
| 5    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 43   |



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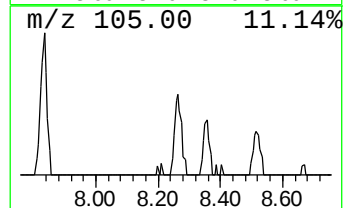
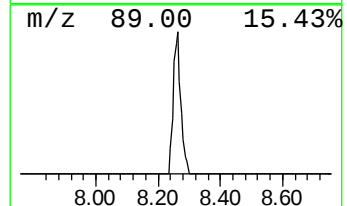
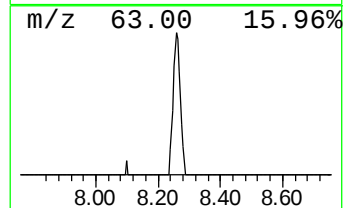
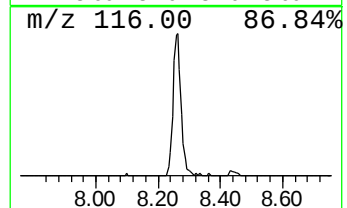
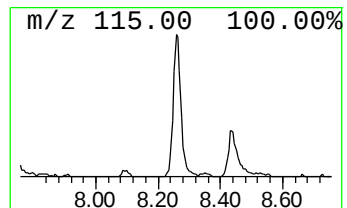
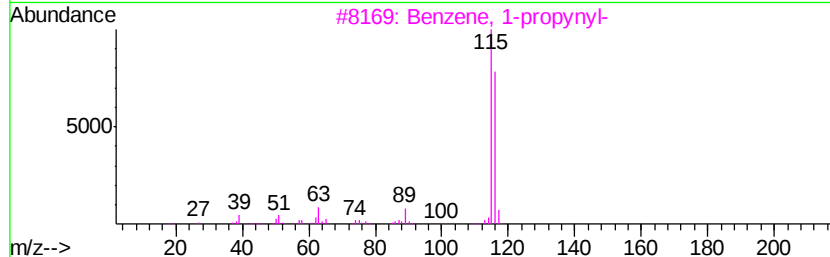
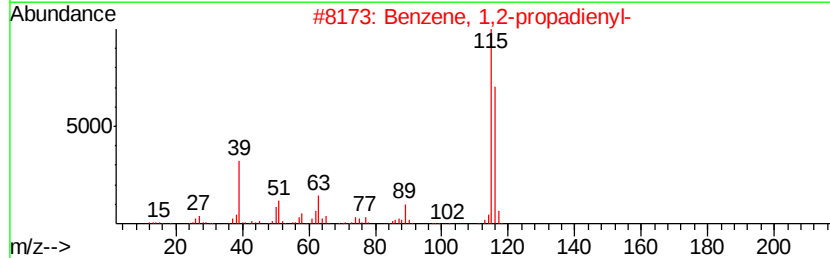
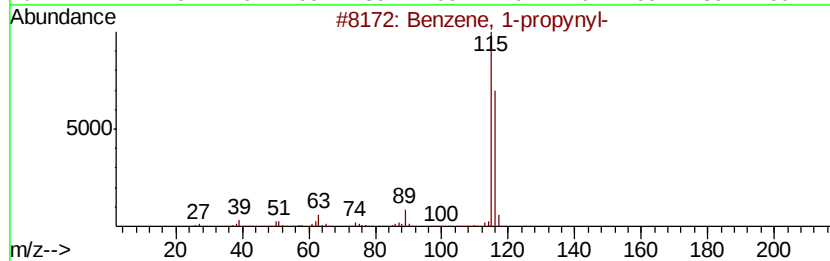
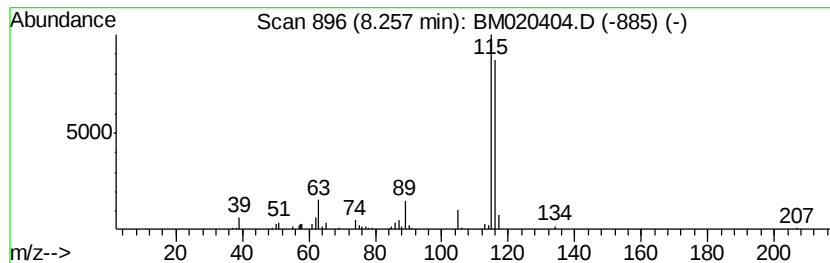
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, 1-propynyl- Concentration Rank 4

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.26 | 6.80 ng/ul | 146741 | 1,4-Dichlorobenzene-d4 | 7.73 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 94   |
| 2    |    | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 91   |
| 3    |    | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 90   |
| 4    |    | Indene                       | 116 | C9H8    | 000095-13-6 | 90   |
| 5    |    | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

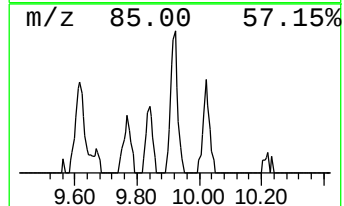
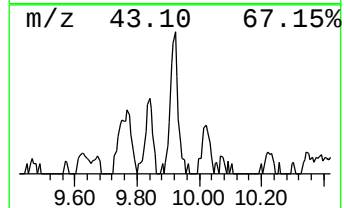
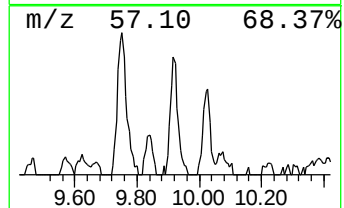
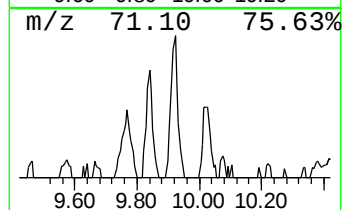
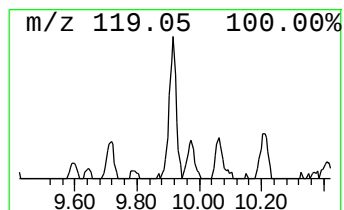
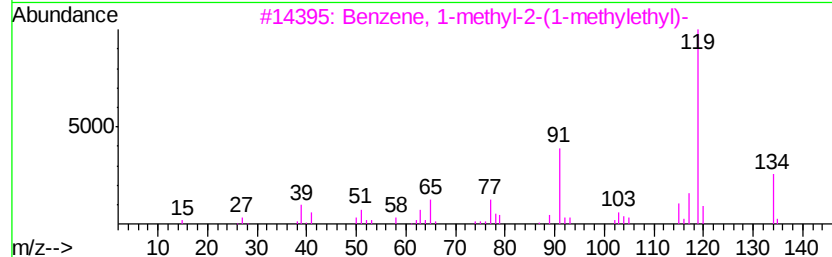
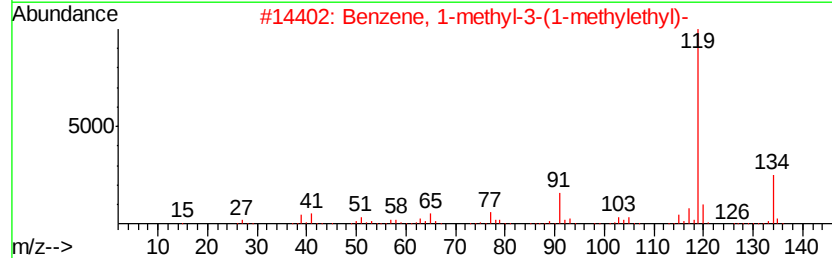
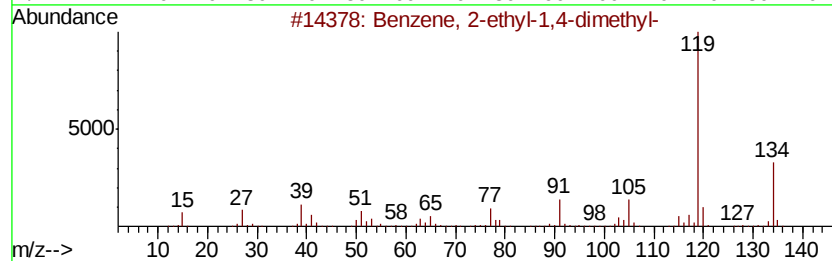
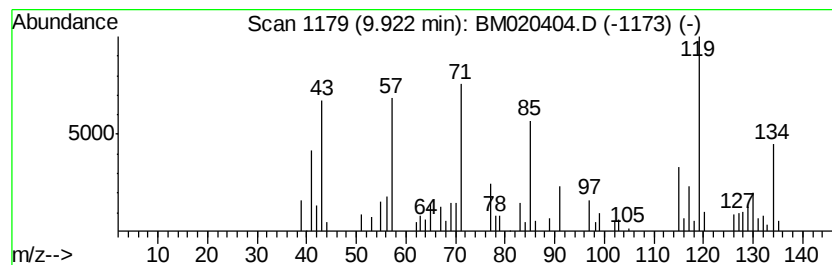
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.92 | 4.60 ng/ul | 142249 | Naphthalene-d8   | 10.52 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 50   |
| 2    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 50   |
| 3    |    |   | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14  | 000527-84-4 | 49   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 46   |
| 5    |    |   | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14  | 000527-84-4 | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

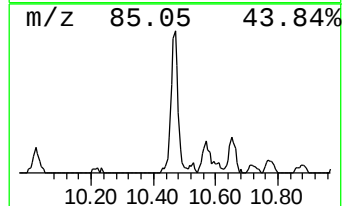
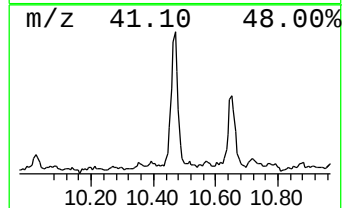
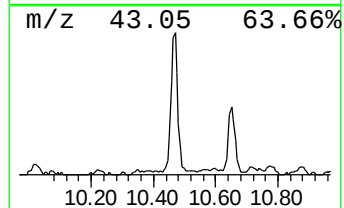
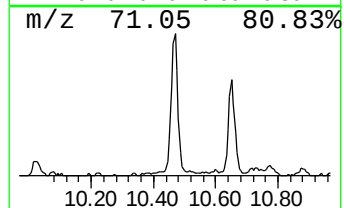
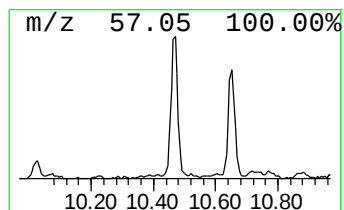
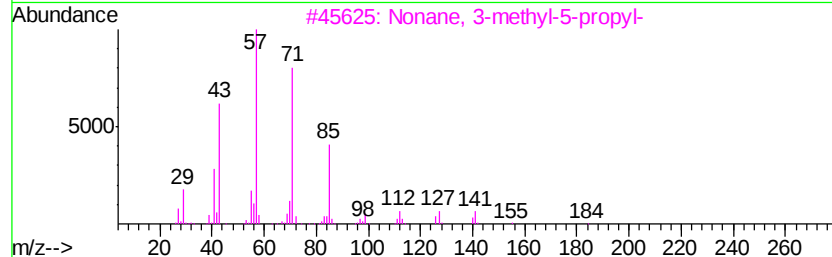
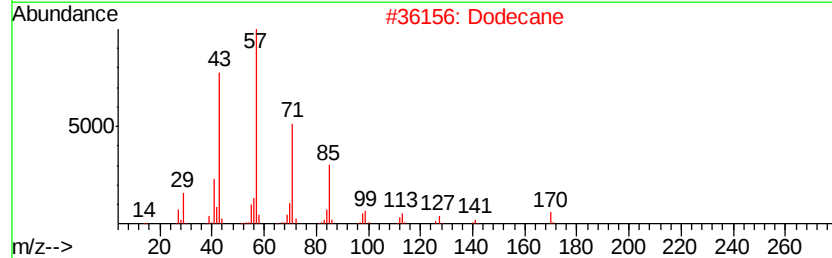
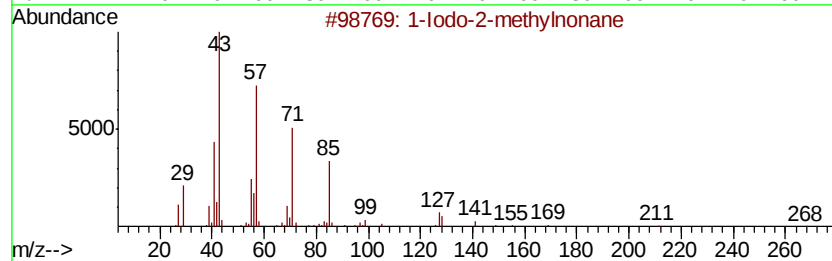
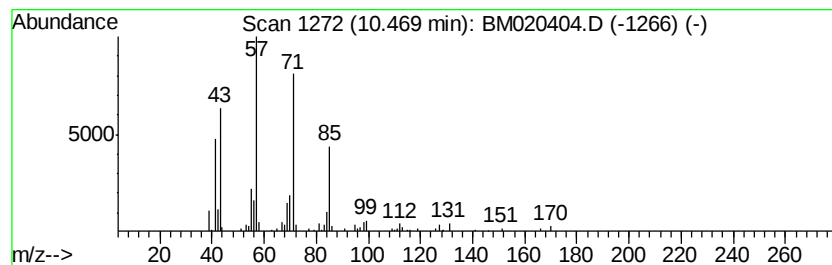
Instrument :  
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ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1-Iodo-2-methylnonane Concentration Rank 2

| R.T.    | EstConc                    | Area         | Relative to ISTD | R.T.      |
|---------|----------------------------|--------------|------------------|-----------|
| 10.47   | 9.24 ng/ul                 | 286056       | Naphthalene-d8   | 10.52     |
| Hit# of | 5                          | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 1-Iodo-2-methylnonane      | 268 C10H21I  | 1000101-47-9     | 72        |
| 2       | Dodecane                   | 170 C12H26   | 000112-40-3      | 72        |
| 3       | Nonane, 3-methyl-5-propyl- | 184 C13H28   | 031081-18-2      | 72        |
| 4       | Octane, 6-ethyl-2-methyl-  | 156 C11H24   | 062016-19-7      | 59        |
| 5       | Octane, 2,3,7-trimethyl-   | 156 C11H24   | 062016-34-6      | 50        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

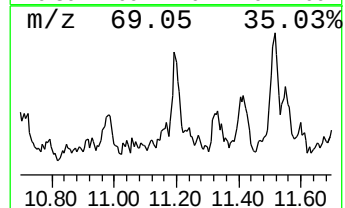
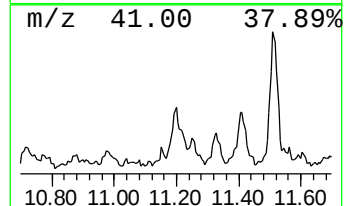
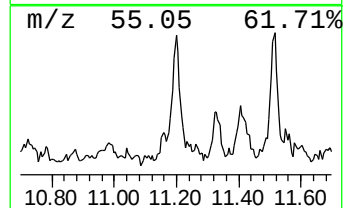
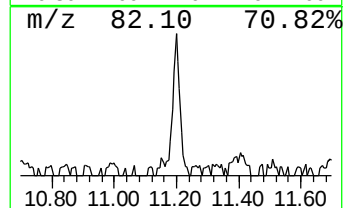
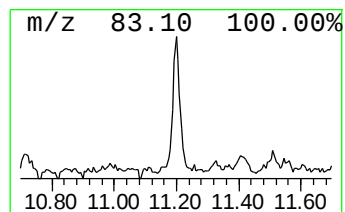
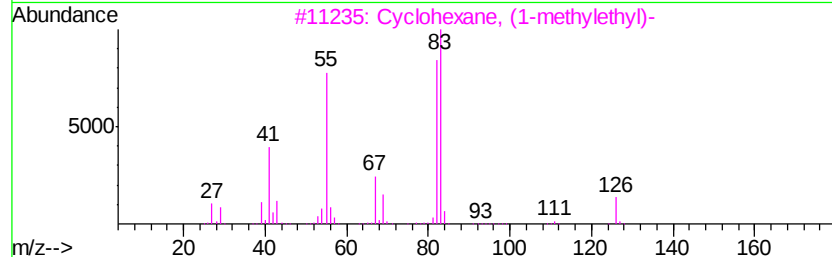
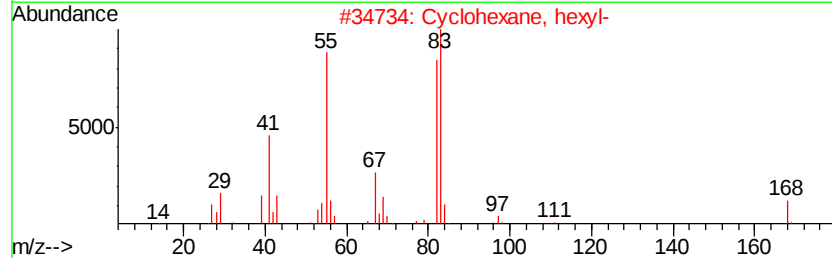
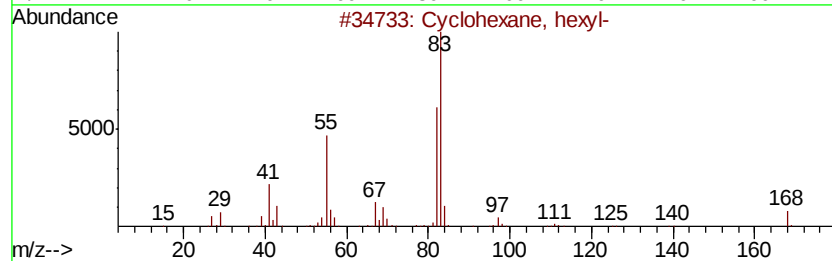
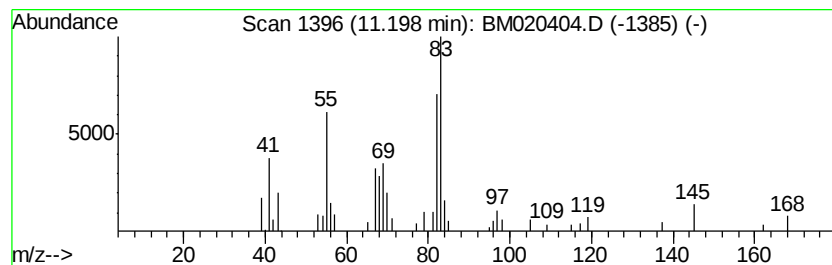
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic11.20 Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.20 | 4.64 ng/ul | 143594 | Napthalene-d8    | 10.52 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, hexyl-           | 168 | C12H24  | 004292-75-5 | 53   |
| 2    |    | Cyclohexane, hexyl-           | 168 | C12H24  | 004292-75-5 | 52   |
| 3    |    | Cyclohexane, (1-methylethyl)- | 126 | C9H18   | 000696-29-7 | 50   |
| 4    |    | Cyclohexane, pentyl-          | 154 | C11H22  | 004292-92-6 | 50   |
| 5    |    | Cyclohexane, butyl-           | 140 | C10H20  | 001678-93-9 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
GAJ87MEDL

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Quant Title : SVOA CALIBRATION

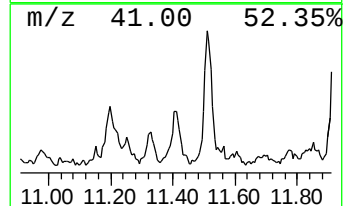
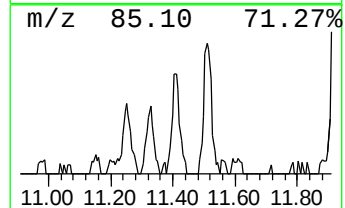
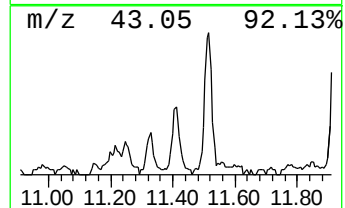
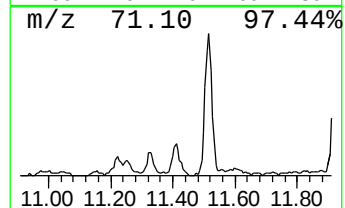
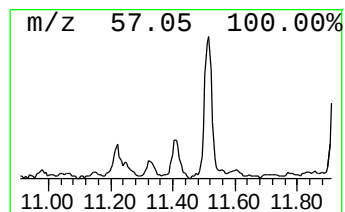
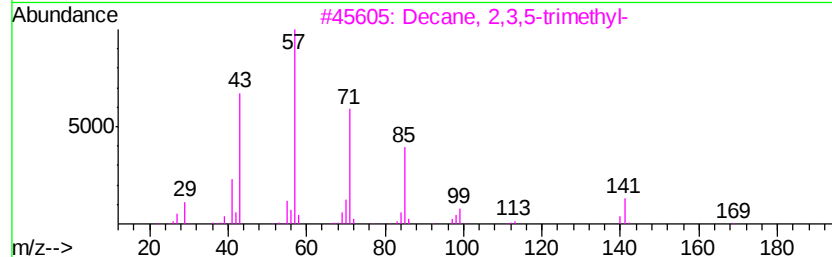
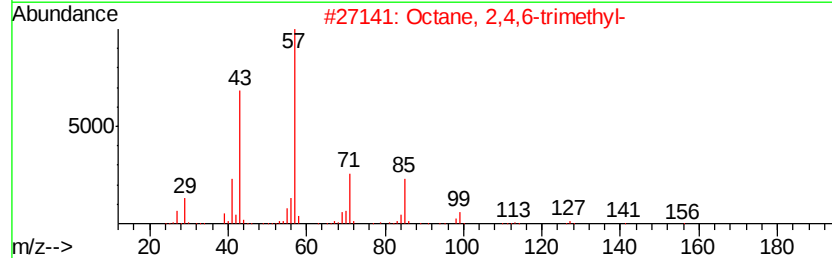
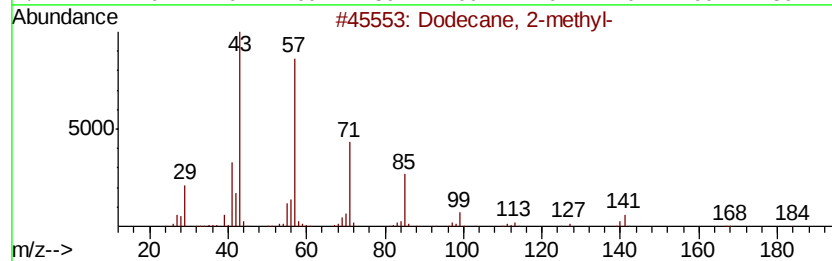
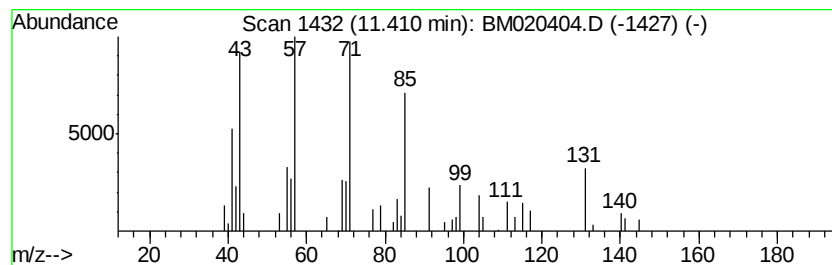
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 11.41 | 2.93 ng/ul | 90662 | Napthalene-d8    | 10.52 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2-methyl-        | 184 | C13H28  | 001560-97-0 | 53   |
| 2    |    | Octane, 2,4,6-trimethyl-   | 156 | C11H24  | 062016-37-9 | 53   |
| 3    |    | Decane, 2,3,5-trimethyl-   | 184 | C13H28  | 062238-11-3 | 50   |
| 4    |    | Hexadecane                 | 226 | C16H34  | 000544-76-3 | 50   |
| 5    |    | Nonane, 2-methyl-5-propyl- | 184 | C13H28  | 031081-17-1 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

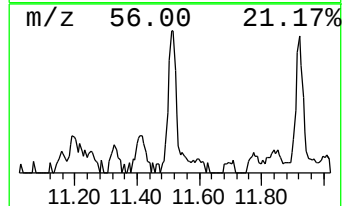
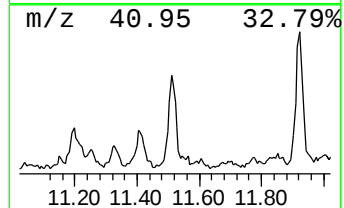
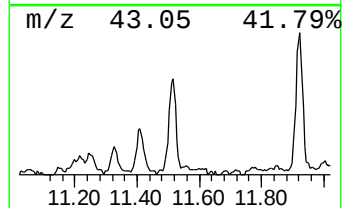
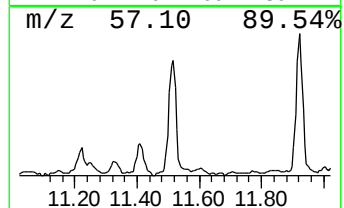
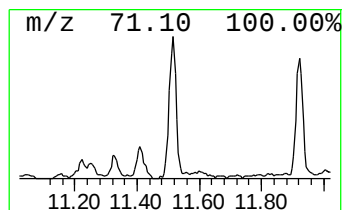
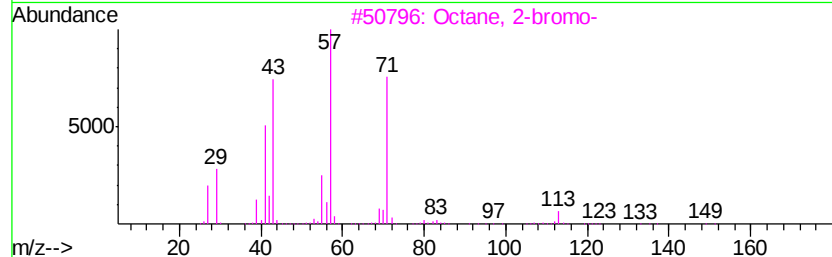
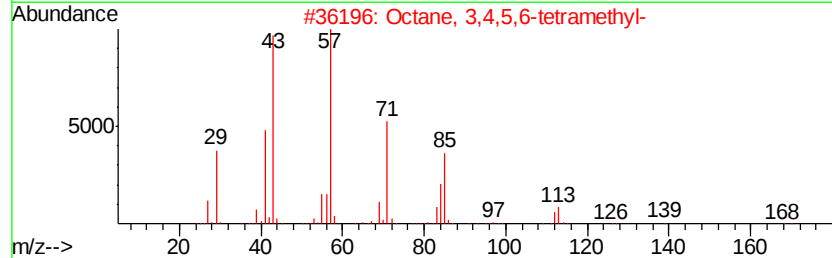
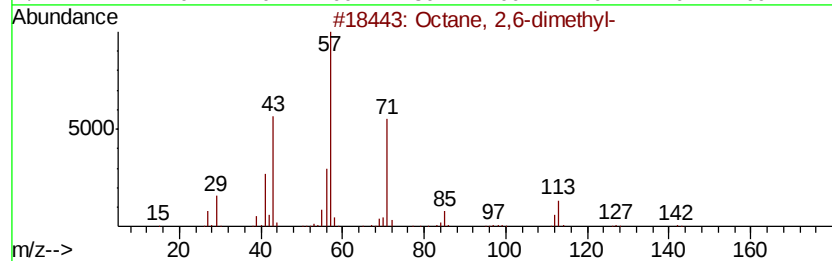
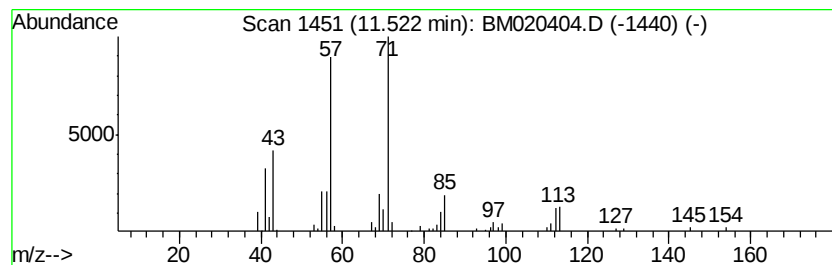
Instrument :  
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ClientSampled :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.      | EstConc                      | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|--------|------------------|-------------|------|
| 11.52     | 5.90 ng/ul                   | 182778 | Napthalene-d8    | 10.52       |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#        | Qual |
| 1         | Octane, 2,6-dimethyl-        | 142    | C10H22           | 002051-30-1 | 86   |
| 2         | Octane, 3,4,5,6-tetramethyl- | 170    | C12H26           | 062185-21-1 | 53   |
| 3         | Octane, 2-bromo-             | 192    | C8H17Br          | 000557-35-7 | 53   |
| 4         | Dodecane, 2,7,10-trimethyl-  | 212    | C15H32           | 074645-98-0 | 50   |
| 5         | Nonane, 3-methyl-            | 142    | C10H22           | 005911-04-6 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : SVOA CALIBRATION

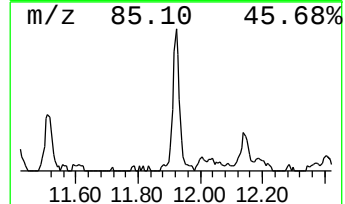
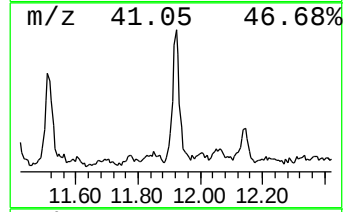
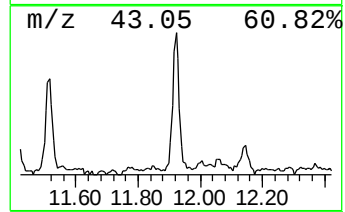
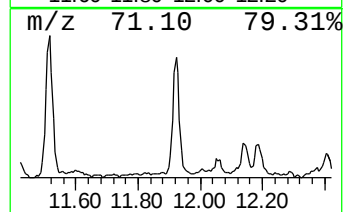
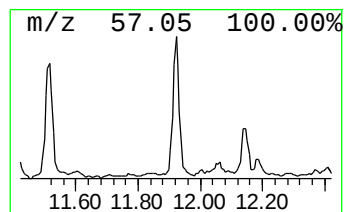
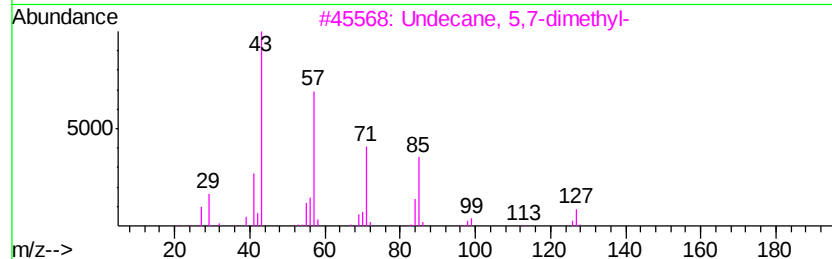
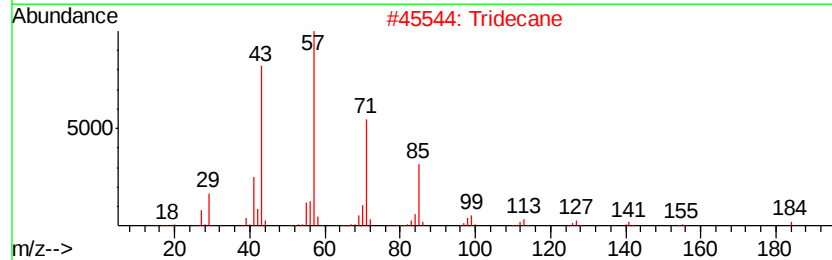
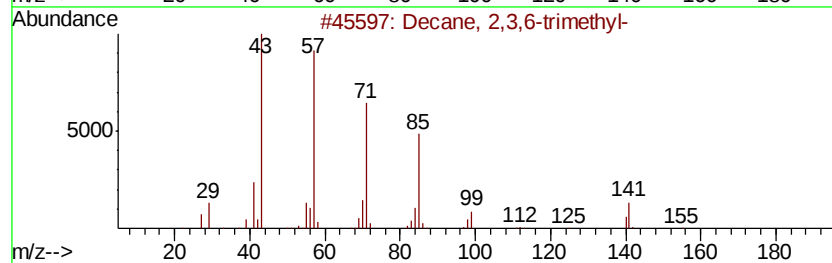
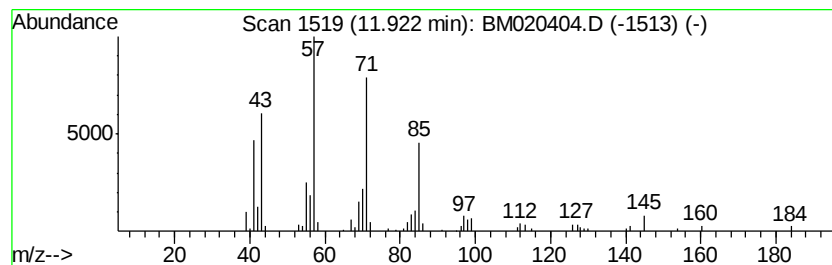
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.92 | 7.31 ng/ul | 226176 | Naphthalene-d8   | 10.52 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------|-----|---------|--------------|------|
| 1    |    |   | Decane, 2,3,6-trimethyl- | 184 | C13H28  | 062238-12-4  | 86   |
| 2    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5  | 74   |
| 3    |    |   | Undecane, 5,7-dimethyl-  | 184 | C13H28  | 017312-83-3  | 72   |
| 4    |    |   | 1-Iodo-2-methylnonane    | 268 | C10H21I | 1000101-47-9 | 72   |
| 5    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5  | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

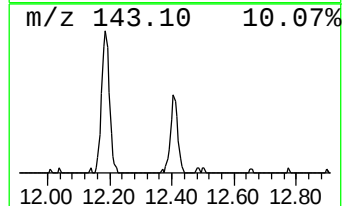
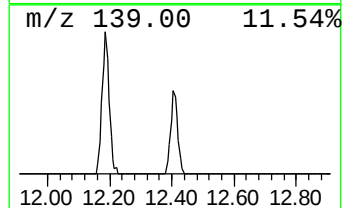
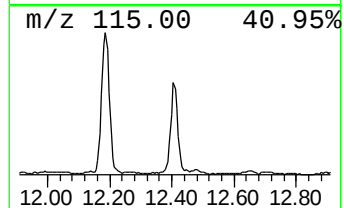
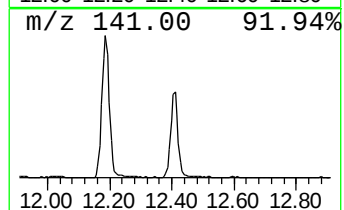
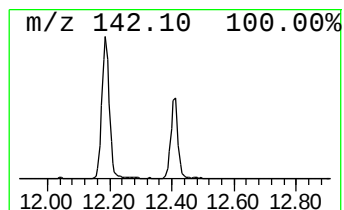
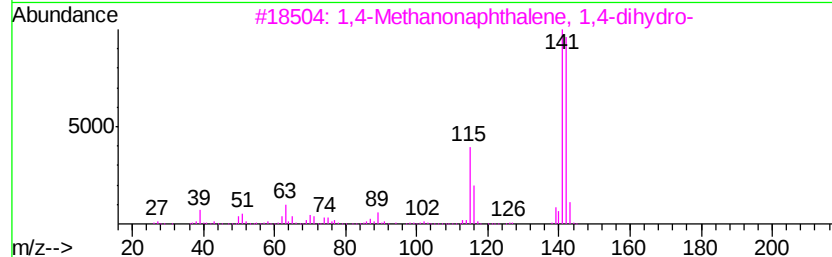
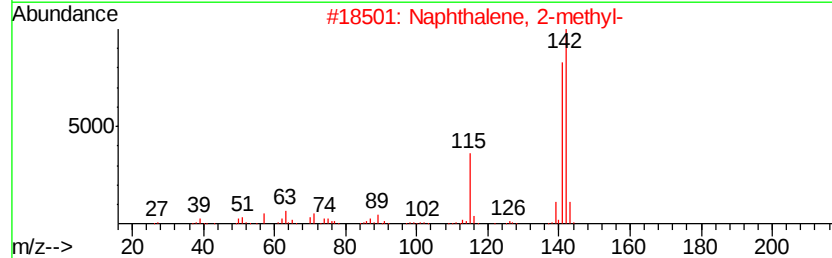
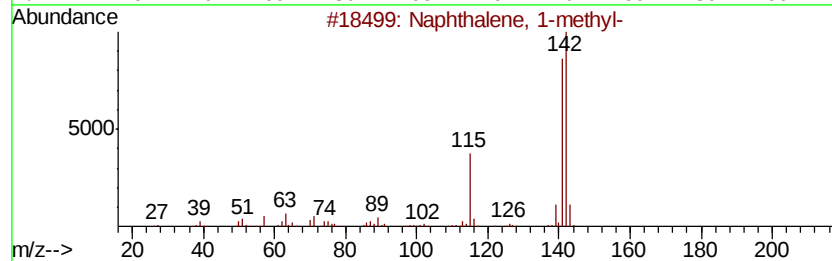
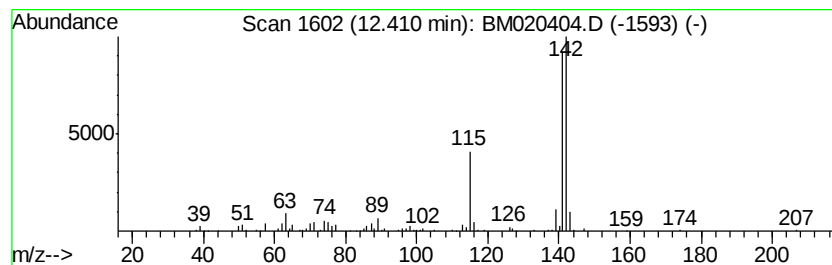
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 12.41 | 11.84 ng/ul | 366416 | Naphthalene-d8   | 10.52 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | 1,4-Methanonaphthalene, 1,4-dihv... | 142 | C11H10  | 004453-90-1 | 94   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 94   |
| 5    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

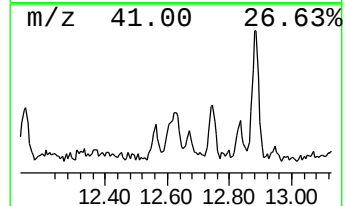
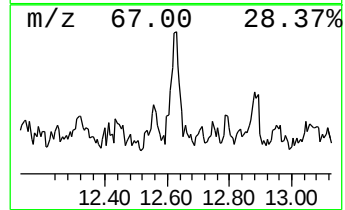
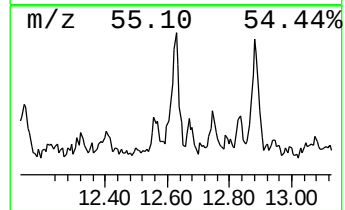
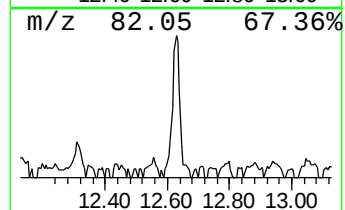
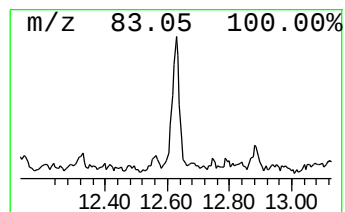
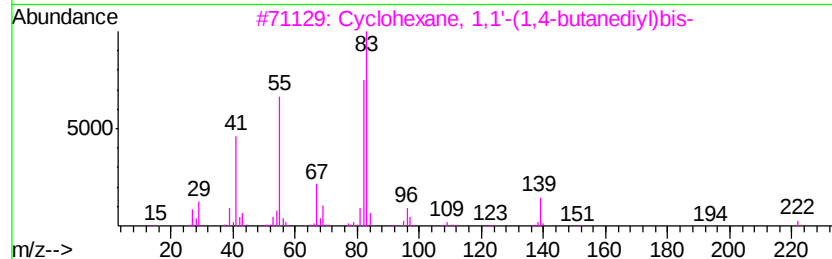
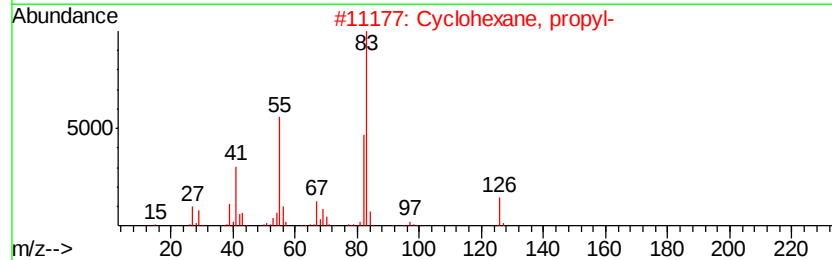
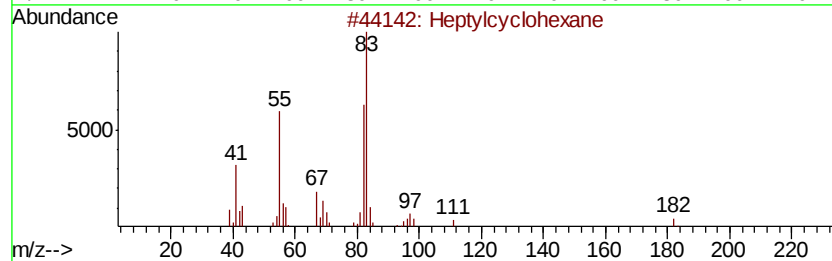
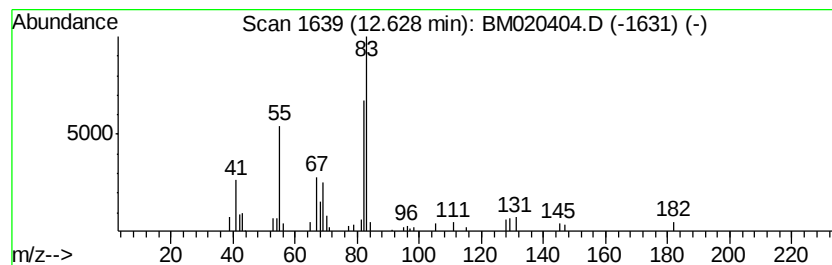
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.63 | 2.37 ng/ul | 105694 | Acenaphthene-d10 | 14.38 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptylcyclohexane                   | 182 | C13H26  | 005617-41-4 | 64   |
| 2    |    |   | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8 | 59   |
| 3    |    |   | Cyclohexane, 1,1'-(1,4-butanediol)- | 222 | C16H30  | 006165-44-2 | 50   |
| 4    |    |   | Cyclohexane, 1,1'-methylenebis-     | 180 | C13H24  | 003178-23-2 | 50   |
| 5    |    |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

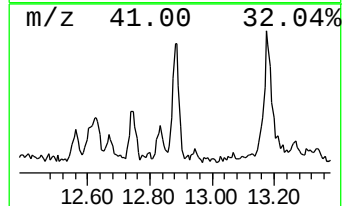
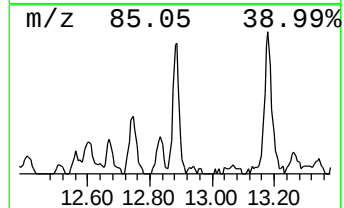
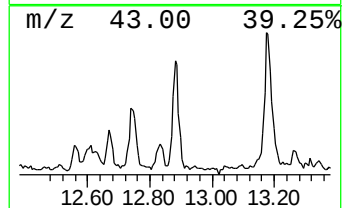
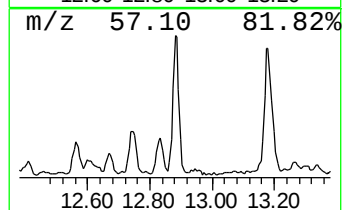
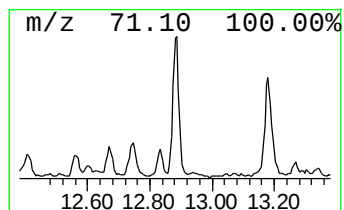
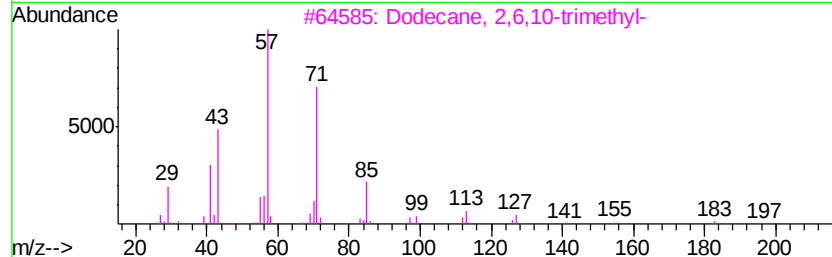
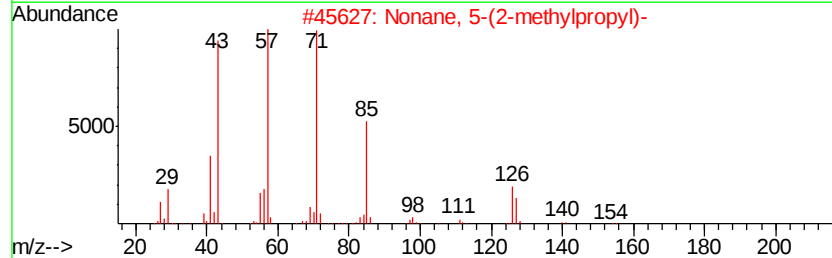
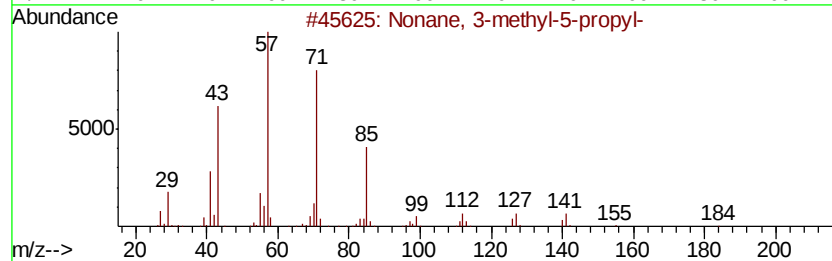
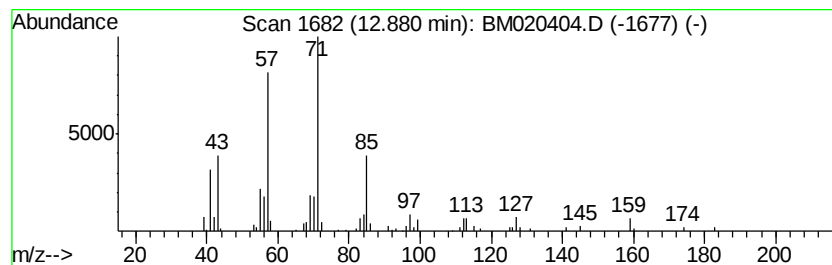
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.88 | 3.78 ng/ul | 168772 | Acenaphthene-d10 | 14.38 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 3-methyl-5-propyl-   | 184 | C13H28  | 031081-18-2 | 72   |
| 2    |    | Nonane, 5-(2-methylpropyl)-  | 184 | C13H28  | 062185-53-9 | 72   |
| 3    |    | Dodecane, 2,6,10-trimethyl-  | 212 | C15H32  | 003891-98-3 | 64   |
| 4    |    | Heptacosane                  | 380 | C27H56  | 000593-49-7 | 64   |
| 5    |    | Decane, 2,3,5,8-tetramethyl- | 198 | C14H30  | 192823-15-7 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

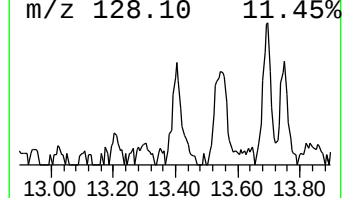
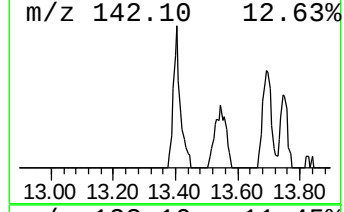
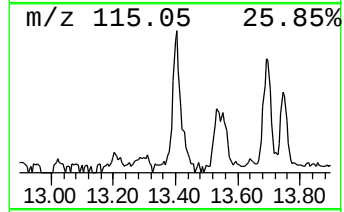
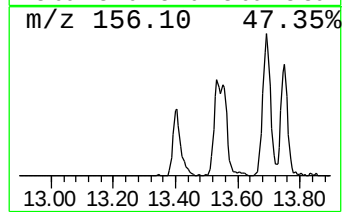
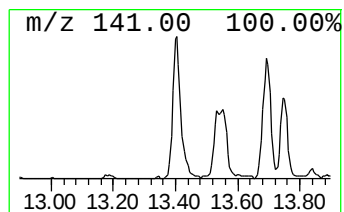
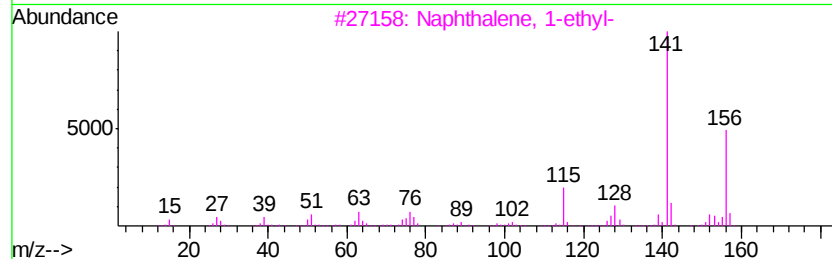
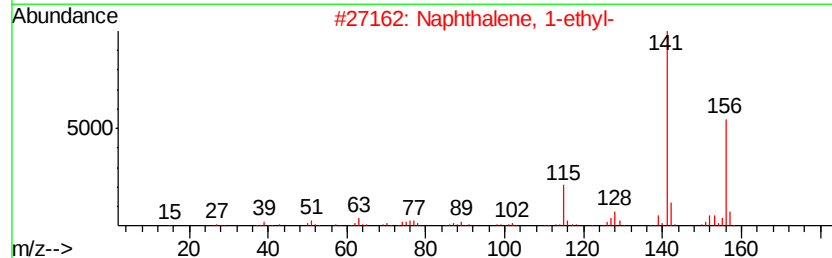
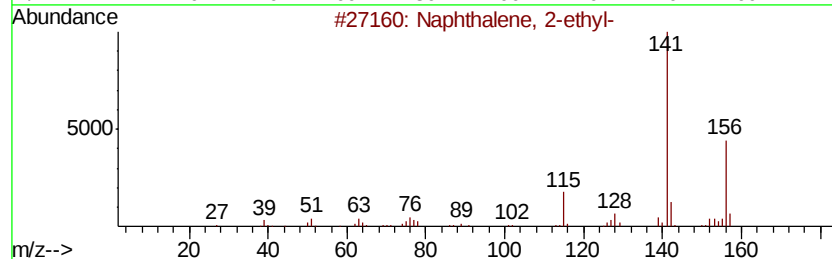
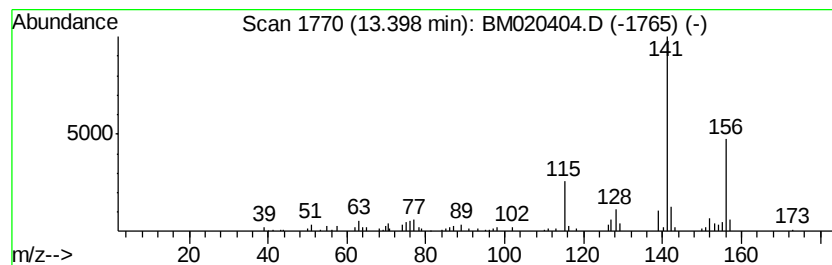
Instrument :  
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ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2-ethyl- Concentration Rank 11

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 13.40     | 3.97 ng/ul            | 177304 | Acenaphthene-d10 | 14.38       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2-ethyl- | 156    | C12H12           | 000939-27-5 | 94   |
| 2         | Naphthalene, 1-ethyl- | 156    | C12H12           | 001127-76-0 | 94   |
| 3         | Naphthalene, 1-ethyl- | 156    | C12H12           | 001127-76-0 | 94   |
| 4         | Naphthalene, 2-ethyl- | 156    | C12H12           | 000939-27-5 | 94   |
| 5         | Naphthalene, 1-ethyl- | 156    | C12H12           | 001127-76-0 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

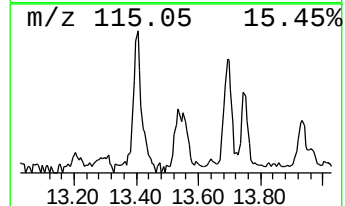
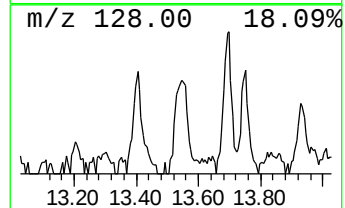
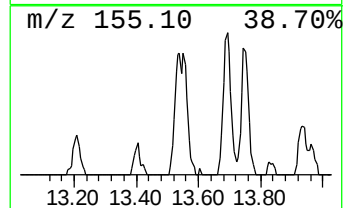
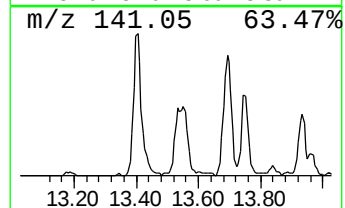
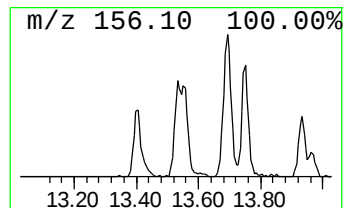
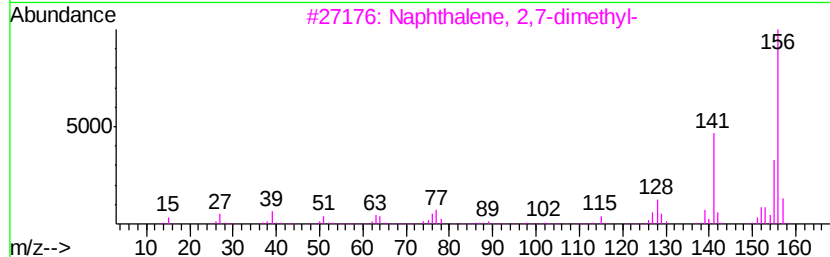
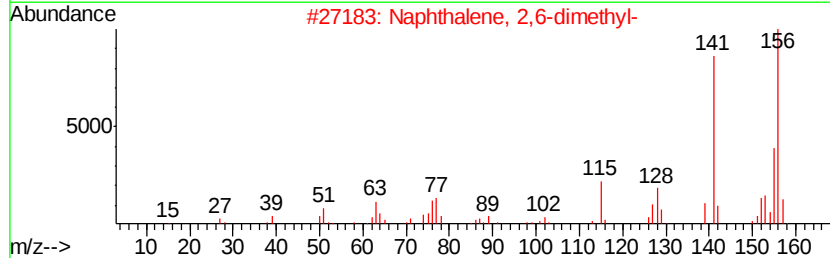
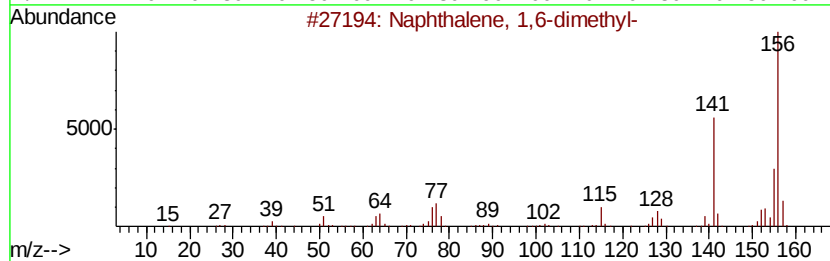
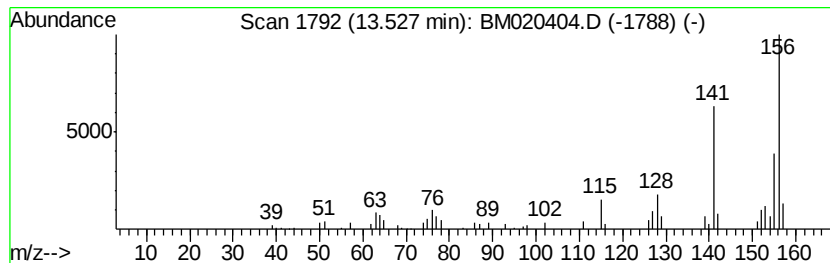
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 1,6-dimethyl- Concentration Rank 18

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.53   | 2.44 ng/ul | 109042                     | Acenaphthene-d10 | 14.38          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 96 |
| 2       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 96 |
| 3       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12       | 000582-16-1 96 |
| 4       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 96 |
| 5       |            | Naphthalene, 1,4-dimethyl- | 156 C12H12       | 000571-58-4 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
 Data File : BM020404.D  
 Acq On : 18 May 2019 16:37  
 Operator : JU/SJ  
 Sample : K2604-13MEDL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION

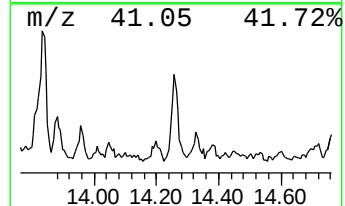
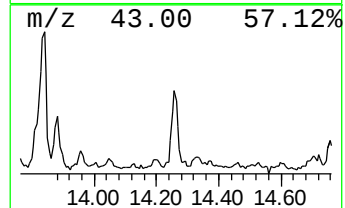
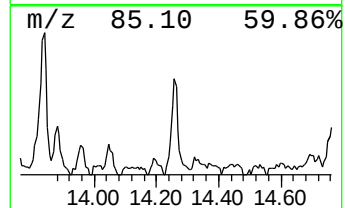
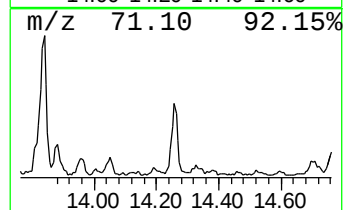
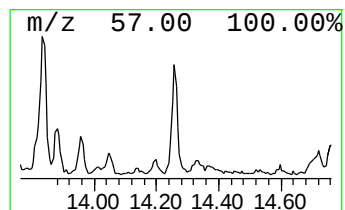
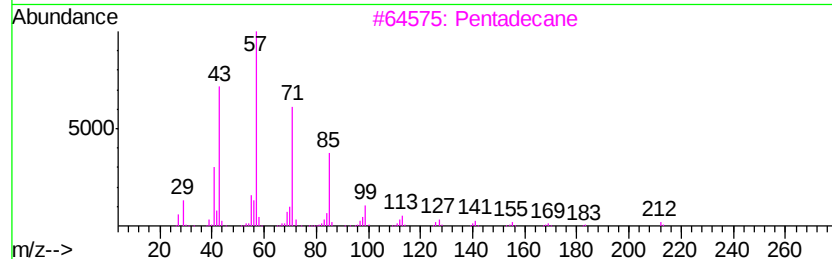
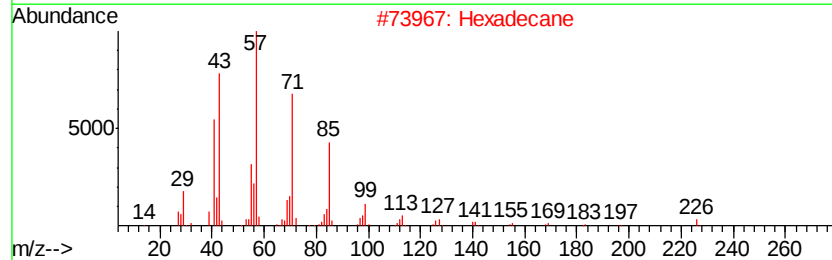
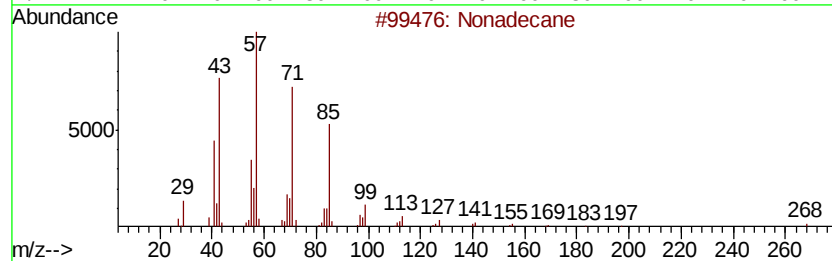
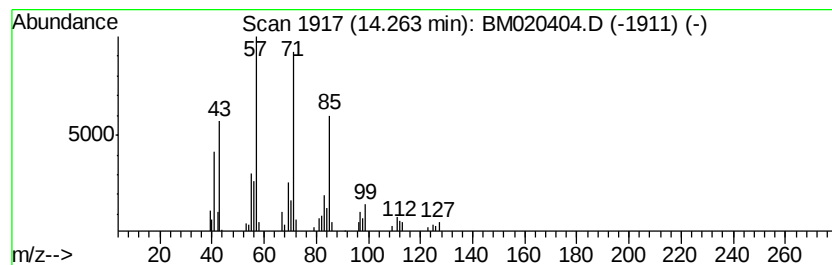
TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.26 | 2.24 ng/ul | 100027 | Acenaphthene-d10 | 14.38 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane   | 268 | C19H40  | 000629-92-5 | 91   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 86   |
| 4    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 78   |
| 5    |    | Tridecane    | 184 | C13H28  | 000629-50-5 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

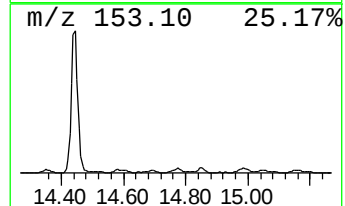
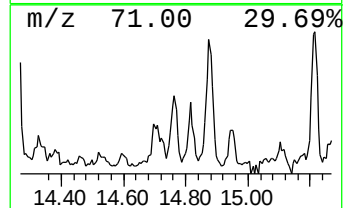
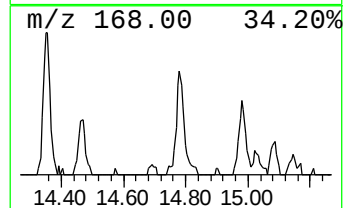
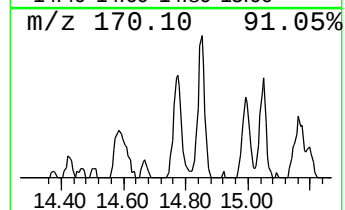
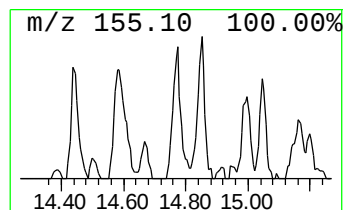
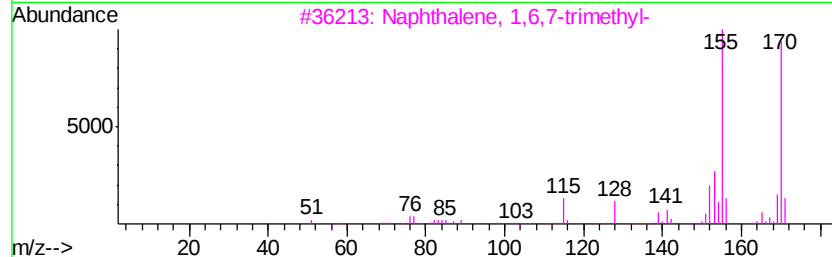
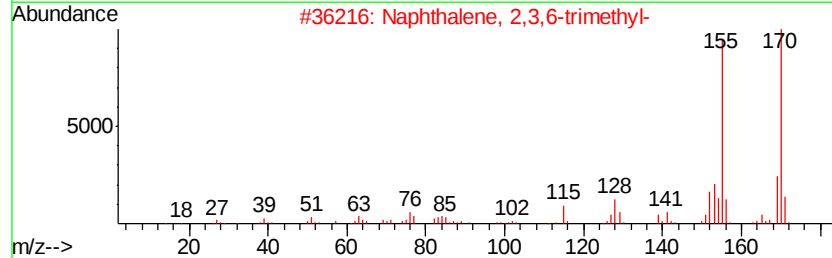
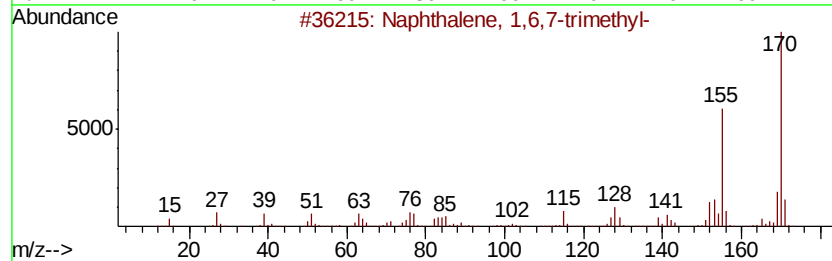
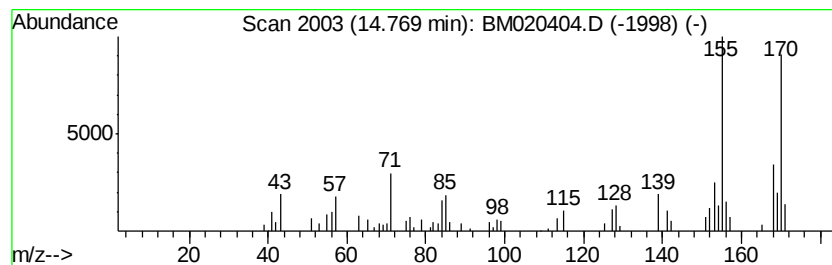
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.77 | 2.40 ng/ul | 106925 | Acenaphthene-d10 | 14.38 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

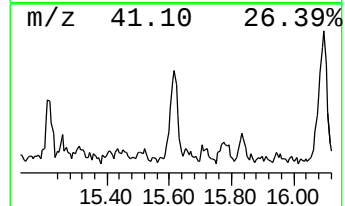
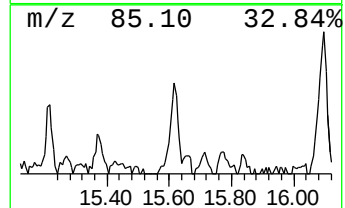
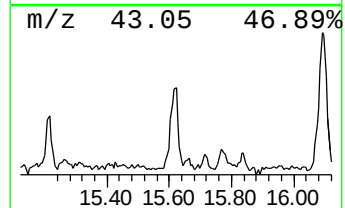
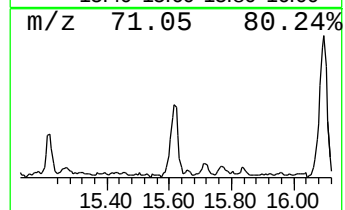
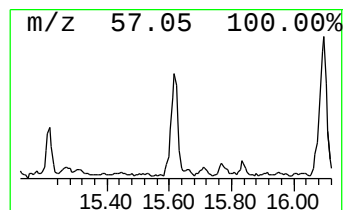
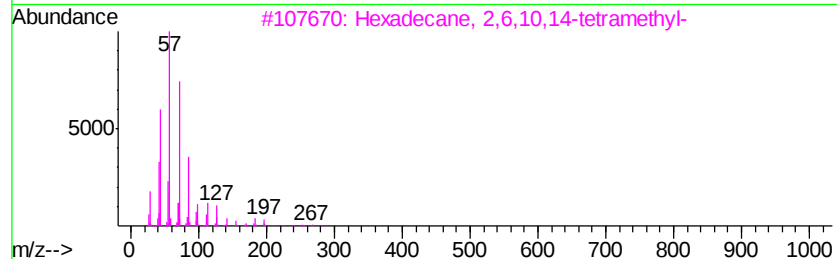
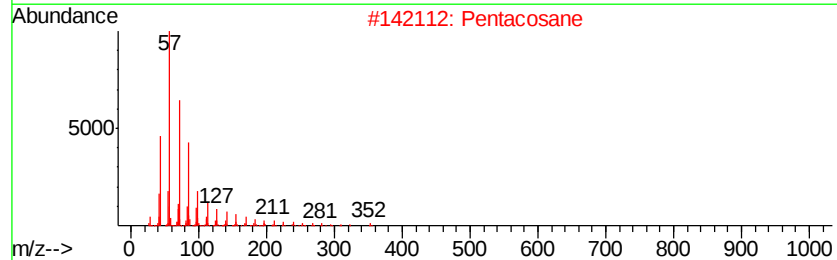
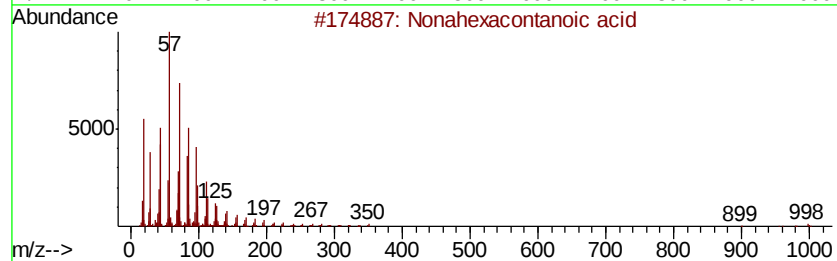
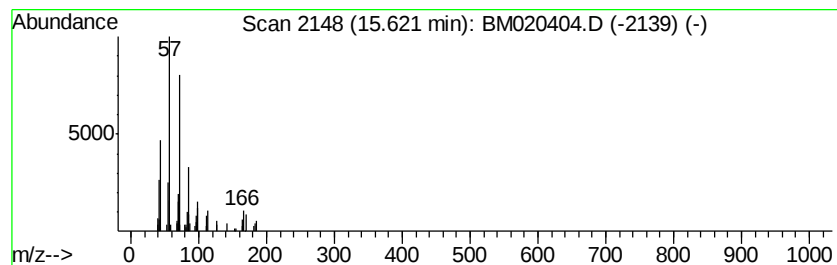
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Nonahexacontanoic acid Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.62 | 3.69 ng/ul | 164619 | Acenaphthene-d10 | 14.38 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Nonahexacontanoic acid              | 999 | C69H138O2 | 040710-32-5 | 90   |
| 2    |    | Pentacosane                         | 352 | C25H52    | 000629-99-2 | 86   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42    | 000638-36-8 | 83   |
| 4    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44    | 054833-48-6 | 83   |
| 5    |    | Dodecane, 1-iodo-                   | 296 | C12H25I   | 004292-19-7 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

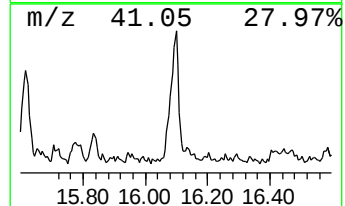
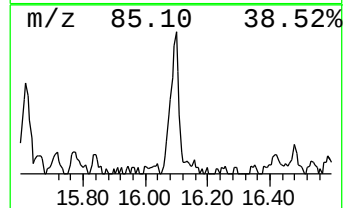
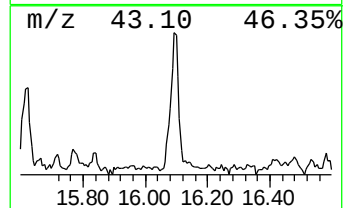
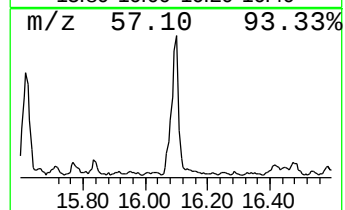
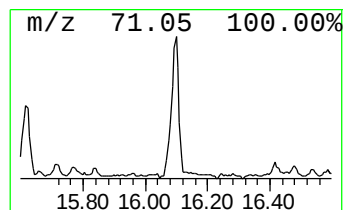
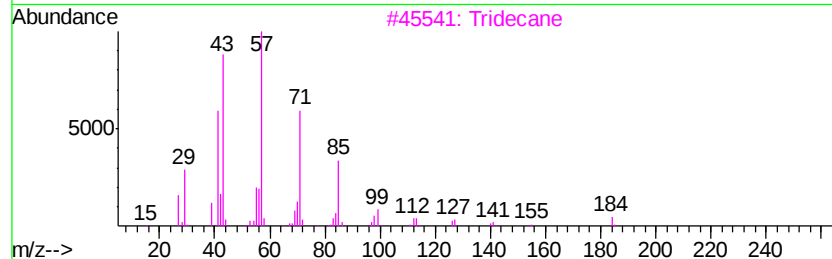
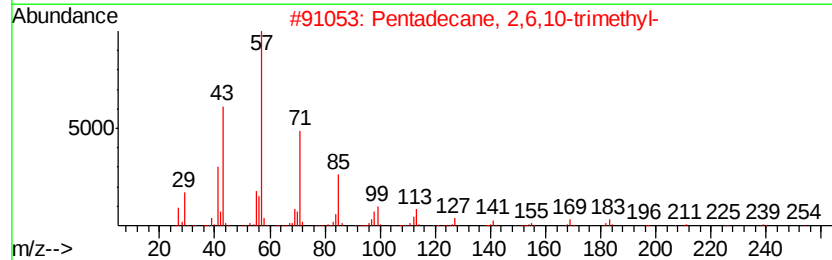
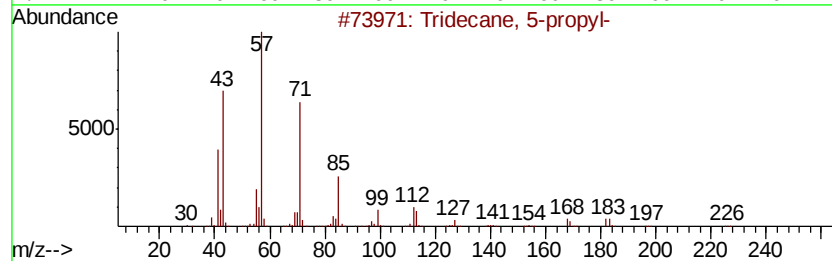
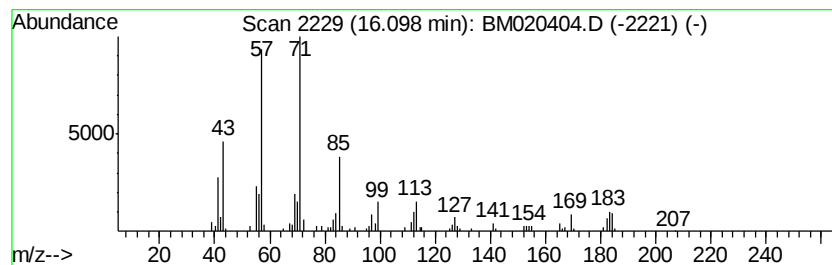
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.10 | 4.30 ng/ul | 214801 | Phenanthrene-d10 | 17.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 5-propyl-                | 226 | C16H34  | 055045-11-9 | 72   |
| 2    |    | Pentadecane, 2,6,10-trimethyl-      | 254 | C18H38  | 003892-00-0 | 64   |
| 3    |    | Tridecane                           | 184 | C13H28  | 000629-50-5 | 62   |
| 4    |    | Octane, 3-ethyl-                    | 142 | C10H22  | 005881-17-4 | 52   |
| 5    |    | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40  | 001921-70-6 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

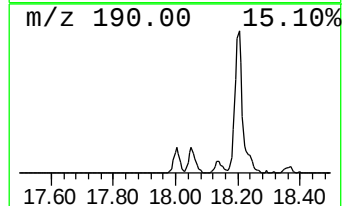
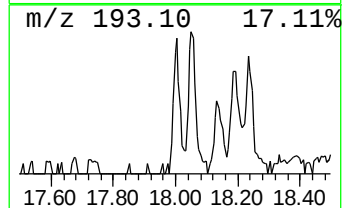
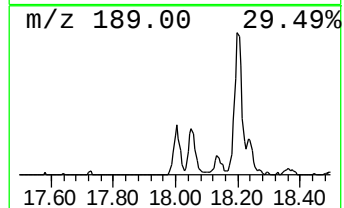
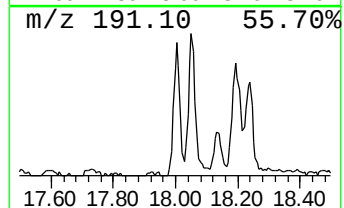
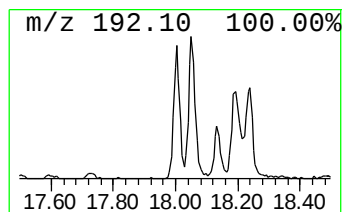
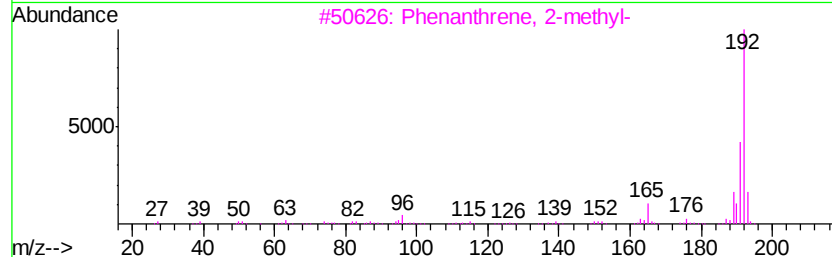
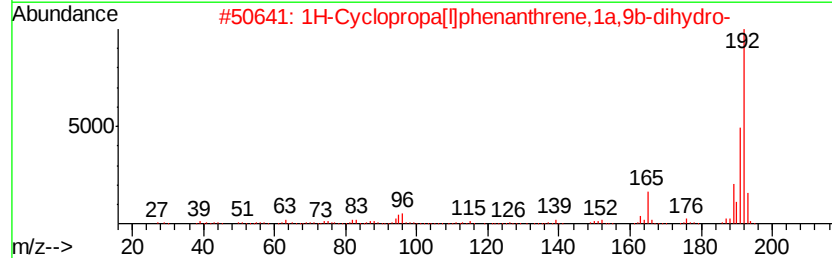
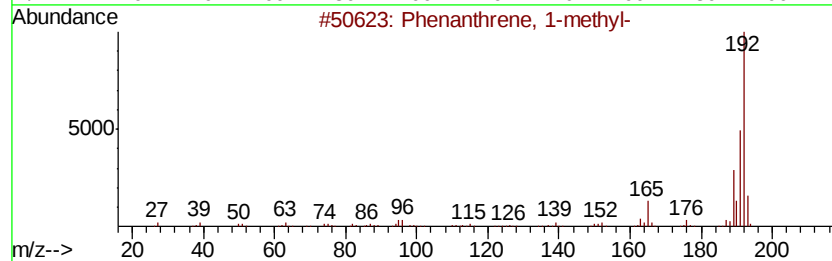
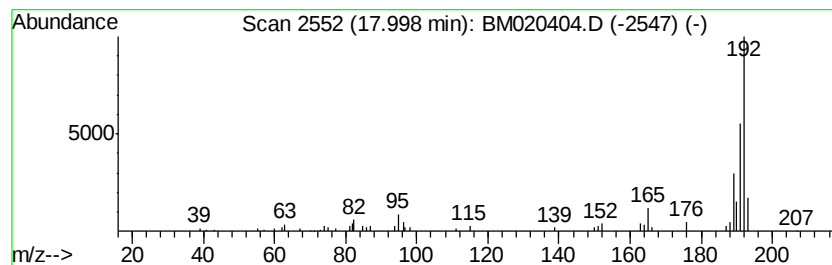
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.00 | 2.54 ng/ul | 127209 | Phenanthrene-d10 | 17.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 2    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 96   |
| 5    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12  | 000832-64-4 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\  
Data File : BM020404.D  
Acq On : 18 May 2019 16:37  
Operator : JU/SJ  
Sample : K2604-13MEDL 5X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION

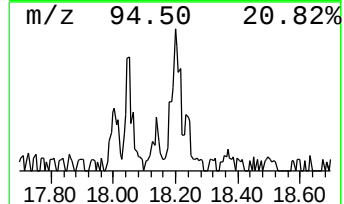
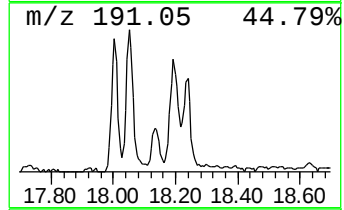
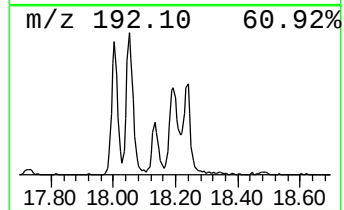
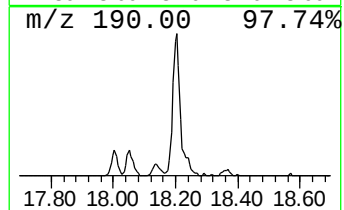
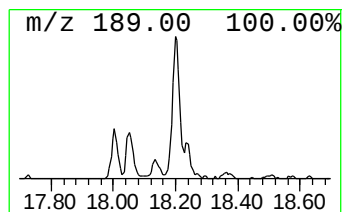
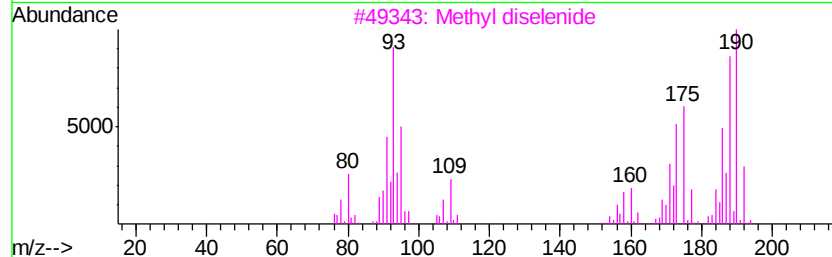
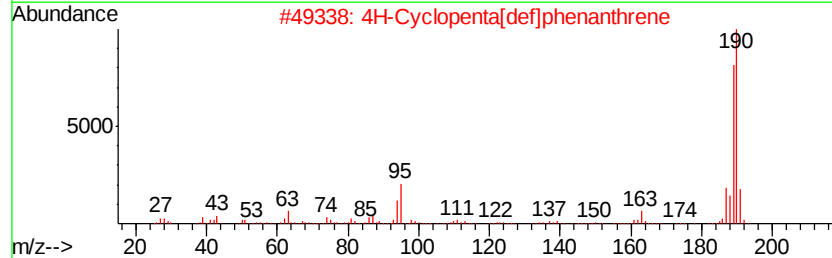
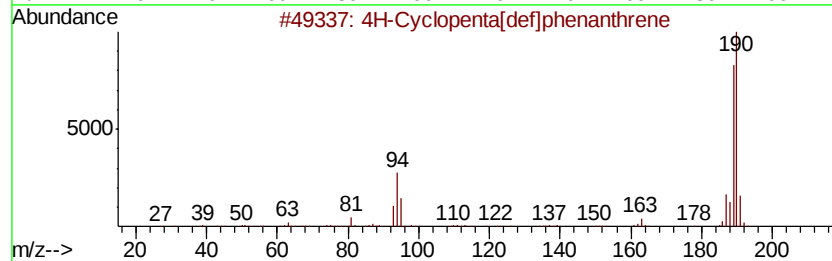
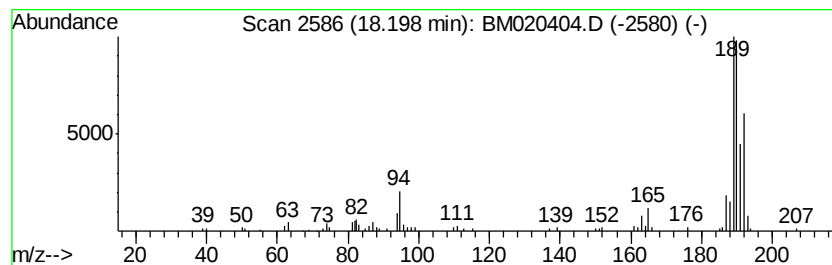
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.20 | 4.32 ng/ul | 216250 | Phenanthrene-d10 | 17.13 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 70   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 64   |
| 3    |    |   | Methyl diselenide              | 190 | C2H6Se2 | 007101-31-7 | 41   |
| 4    |    |   | Phenanthrene, 4-methyl-        | 192 | C15H12  | 000832-64-4 | 30   |
| 5    |    |   | Anthracene, 1-methyl-          | 192 | C15H12  | 000610-48-0 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM051819\  
 Data File : BM020404.D  
 Acq On : 18 May 2019 16:37  
 Operator : JU/SJ  
 Sample : K2604-13MEDL 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GAJ87MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01           | 7.37  | 2.8     | ng/ul | 59676    | 1                     | 7.73  | 431541  | 20.0 |
| Benzene, 1-propynyl- | 8.26  | 6.8     | ng/ul | 146741   | 1                     | 7.73  | 431541  | 20.0 |
| Benzene, 2-ethyl-... | 9.92  | 4.6     | ng/ul | 142249   | 2                     | 10.52 | 619079  | 20.0 |
| 1-Iodo-2-methylno... | 10.47 | 9.2     | ng/ul | 286056   | 2                     | 10.52 | 619079  | 20.0 |
| (DEL) Alkane: Cyc... | 11.20 | 4.6     | ng/ul | 143594   | 2                     | 10.52 | 619079  | 20.0 |
| (DEL) Alkane: Str... | 11.41 | 2.9     | ng/ul | 90662    | 2                     | 10.52 | 619079  | 20.0 |
| (DEL) Alkane: Str... | 11.52 | 5.9     | ng/ul | 182778   | 2                     | 10.52 | 619079  | 20.0 |
| (DEL) Alkane: Str... | 11.92 | 7.3     | ng/ul | 226176   | 2                     | 10.52 | 619079  | 20.0 |
| Naphthalene, 1-me... | 12.41 | 11.8    | ng/ul | 366416   | 2                     | 10.52 | 619079  | 20.0 |
| (DEL) Alkane: Str... | 12.63 | 2.4     | ng/ul | 105694   | 3                     | 14.38 | 892107  | 20.0 |
| (DEL) Alkane: Str... | 12.88 | 3.8     | ng/ul | 168772   | 3                     | 14.38 | 892107  | 20.0 |
| Naphthalene, 2-et... | 13.40 | 4.0     | ng/ul | 177304   | 3                     | 14.38 | 892107  | 20.0 |
| Naphthalene, 1,6-... | 13.53 | 2.4     | ng/ul | 109042   | 3                     | 14.38 | 892107  | 20.0 |
| (DEL) Alkane: Str... | 14.26 | 2.2     | ng/ul | 100027   | 3                     | 14.38 | 892107  | 20.0 |
| Naphthalene, 1,6,... | 14.77 | 2.4     | ng/ul | 106925   | 3                     | 14.38 | 892107  | 20.0 |
| Nonahexacontanoic... | 15.62 | 3.7     | ng/ul | 164619   | 3                     | 14.38 | 892107  | 20.0 |
| (DEL) Alkane: Str... | 16.10 | 4.3     | ng/ul | 214801   | 4                     | 17.13 | 1000170 | 20.0 |
| Phenanthrene, 1-m... | 18.00 | 2.5     | ng/ul | 127209   | 4                     | 17.13 | 1000170 | 20.0 |
| 4H-Cyclopenta[def... | 18.20 | 4.3     | ng/ul | 216250   | 4                     | 17.13 | 1000170 | 20.0 |