

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
 Data File : BN009548.D  
 Acq On : 04 Feb 2020 02:58  
 Operator : CG/JU  
 Sample : L1271-01DL2 30X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GASZ4DL2

## 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\_N\METHODS\SOM-EPA-BN020320MA.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         | 3.764       | 127           | 132         | 139          | rBV      | 89878          | 128361        | 2.26%           | 0.354%        |
| 2         | 5.017       | 339           | 345         | 351          | rVV2     | 35966          | 55868         | 0.98%           | 0.154%        |
| 3         | 5.146       | 362           | 367         | 378          | rBV      | 176930         | 354897        | 6.24%           | 0.979%        |
| 4         | 5.505       | 420           | 428         | 434          | rBV      | 114546         | 169641        | 2.98%           | 0.468%        |
| 5         | 6.558       | 602           | 607         | 611          | rBV      | 41213          | 58415         | 1.03%           | 0.161%        |
| 6         | 6.617       | 611           | 617         | 620          | rVV2     | 17020          | 27704         | 0.49%           | 0.076%        |
| 7         | 6.687       | 624           | 629         | 635          | rVB      | 52272          | 78820         | 1.39%           | 0.217%        |
| 8         | 7.099       | 693           | 699         | 706          | rVB      | 166209         | 252539        | 4.44%           | 0.697%        |
| 9         | 7.440       | 751           | 757         | 769          | rBV      | 542085         | 848683        | 14.92%          | 2.342%        |
| 10        | 7.558       | 771           | 777         | 784          | rVV      | 49867          | 82985         | 1.46%           | 0.229%        |
| 11        | 7.805       | 813           | 819         | 825          | rBV2     | 20779          | 36068         | 0.63%           | 0.100%        |
| 12        | 7.964       | 842           | 846         | 856          | rVB      | 88925          | 161095        | 2.83%           | 0.444%        |
| 13        | 8.081       | 861           | 866         | 875          | rBV      | 22760          | 38269         | 0.67%           | 0.106%        |
| 14        | 8.540       | 939           | 944         | 949          | rVB2     | 26468          | 40269         | 0.71%           | 0.111%        |
| 15        | 8.669       | 962           | 966         | 973          | rVB2     | 19663          | 31950         | 0.56%           | 0.088%        |
| 16        | 9.052       | 1026          | 1031        | 1036         | rBV2     | 19164          | 28718         | 0.50%           | 0.079%        |
| 17        | 9.111       | 1036          | 1041        | 1048         | rVB      | 37785          | 59520         | 1.05%           | 0.164%        |
| 18        | 9.616       | 1117          | 1127        | 1136         | rBV5     | 49441          | 133136        | 2.34%           | 0.367%        |
| 19        | 9.705       | 1136          | 1142        | 1156         | rVV6     | 27362          | 88053         | 1.55%           | 0.243%        |
| 20        | 10.193      | 1218          | 1225        | 1228         | rVV      | 774230         | 1272453       | 22.37%          | 3.511%        |
| 21        | 10.240      | 1228          | 1233        | 1244         | rVV      | 3118587        | 5046265       | 88.73%          | 13.923%       |
| 22        | 10.358      | 1248          | 1253        | 1263         | rVB4     | 26034          | 58124         | 1.02%           | 0.160%        |
| 23        | 11.240      | 1395          | 1403        | 1407         | rBV4     | 13301          | 25669         | 0.45%           | 0.071%        |
| 24        | 11.652      | 1468          | 1473        | 1477         | rVB      | 50520          | 72502         | 1.27%           | 0.200%        |
| 25        | 11.752      | 1485          | 1490        | 1495         | rVB      | 18639          | 29474         | 0.52%           | 0.081%        |
| 26        | 11.863      | 1501          | 1509        | 1518         | rBV      | 3631148        | 5687002       | 100.00%         | 15.691%       |
| 27        | 11.975      | 1525          | 1528        | 1534         | rVV3     | 12685          | 23258         | 0.41%           | 0.064%        |
| 28        | 12.087      | 1537          | 1547        | 1558         | rVB      | 1472328        | 2313125       | 40.67%          | 6.382%        |
| 29        | 12.904      | 1680          | 1686        | 1697         | rBV2     | 190168         | 331331        | 5.83%           | 0.914%        |
| 30        | 13.099      | 1713          | 1719        | 1730         | rVB      | 203506         | 391973        | 6.89%           | 1.082%        |
| 31        | 13.234      | 1736          | 1742        | 1743         | rBV      | 569599         | 742638        | 13.06%          | 2.049%        |
| 32        | 13.393      | 1760          | 1769        | 1775         | rBV      | 676335         | 1170931       | 20.59%          | 3.231%        |
| 33        | 13.451      | 1775          | 1779        | 1785         | rVB      | 367396         | 493843        | 8.68%           | 1.363%        |
| 34        | 13.634      | 1805          | 1810        | 1814         | rBV      | 296670         | 453493        | 7.97%           | 1.251%        |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
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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\_N\METHODS\SOM-EPA-BN020320MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.769 | 1828 | 1833 | 1834 | rBV  | 25320   | 34719   | 0.61%  | 0.096% |
| 36 | 13.799 | 1834 | 1838 | 1844 | rVB2 | 137295  | 204965  | 3.60%  | 0.566% |
| 37 | 14.016 | 1870 | 1875 | 1879 | rBV  | 28825   | 45650   | 0.80%  | 0.126% |
| 38 | 14.075 | 1879 | 1885 | 1892 | rVV2 | 1130171 | 1797210 | 31.60% | 4.959% |
| 39 | 14.140 | 1892 | 1896 | 1899 | rVV2 | 62202   | 92420   | 1.63%  | 0.255% |
| 40 | 14.175 | 1899 | 1902 | 1907 | rVV  | 88266   | 122517  | 2.15%  | 0.338% |
| 41 | 14.298 | 1917 | 1923 | 1931 | rVV  | 80639   | 168202  | 2.96%  | 0.464% |
| 42 | 14.381 | 1931 | 1937 | 1942 | rVB2 | 21961   | 34701   | 0.61%  | 0.096% |
| 43 | 14.487 | 1945 | 1955 | 1962 | rBV2 | 147301  | 267983  | 4.71%  | 0.739% |
| 44 | 14.569 | 1962 | 1969 | 1973 | rVB  | 111757  | 157183  | 2.76%  | 0.434% |
| 45 | 14.710 | 1987 | 1993 | 1998 | rVV  | 63024   | 106279  | 1.87%  | 0.293% |
| 46 | 14.763 | 1998 | 2002 | 2008 | rVB  | 94425   | 117110  | 2.06%  | 0.323% |
| 47 | 14.881 | 2015 | 2022 | 2025 | rBV  | 43997   | 85129   | 1.50%  | 0.235% |
| 48 | 14.916 | 2025 | 2028 | 2034 | rVV4 | 23834   | 46062   | 0.81%  | 0.127% |
| 49 | 14.975 | 2034 | 2038 | 2042 | rVV3 | 14497   | 20222   | 0.36%  | 0.056% |
| 50 | 15.028 | 2044 | 2047 | 2052 | rVV4 | 34494   | 64880   | 1.14%  | 0.179% |
| 51 | 15.075 | 2052 | 2055 | 2060 | rVB3 | 73527   | 100772  | 1.77%  | 0.278% |
| 52 | 15.134 | 2060 | 2065 | 2070 | rBV  | 174487  | 244833  | 4.31%  | 0.676% |
| 53 | 15.181 | 2070 | 2073 | 2078 | rVV3 | 35402   | 56496   | 0.99%  | 0.156% |
| 54 | 15.234 | 2079 | 2082 | 2084 | rVV3 | 15252   | 21430   | 0.38%  | 0.059% |
| 55 | 15.263 | 2084 | 2087 | 2090 | rVV3 | 26973   | 42450   | 0.75%  | 0.117% |
| 56 | 15.293 | 2090 | 2092 | 2098 | rVV5 | 21181   | 30834   | 0.54%  | 0.085% |
| 57 | 15.434 | 2111 | 2116 | 2123 | rBV3 | 58891   | 92755   | 1.63%  | 0.256% |
| 58 | 15.587 | 2131 | 2142 | 2149 | rBV7 | 27728   | 72454   | 1.27%  | 0.200% |
| 59 | 15.669 | 2151 | 2156 | 2163 | rVB2 | 15908   | 24783   | 0.44%  | 0.068% |
| 60 | 15.834 | 2179 | 2184 | 2188 | rBV6 | 16285   | 26941   | 0.47%  | 0.074% |
| 61 | 16.145 | 2226 | 2237 | 2241 | rVV4 | 42585   | 100025  | 1.76%  | 0.276% |
| 62 | 16.192 | 2241 | 2245 | 2250 | rVB2 | 50220   | 73573   | 1.29%  | 0.203% |
| 63 | 16.298 | 2258 | 2263 | 2269 | rVB5 | 14897   | 26407   | 0.46%  | 0.073% |
| 64 | 16.416 | 2279 | 2283 | 2286 | rVV4 | 17060   | 21613   | 0.38%  | 0.060% |
| 65 | 16.492 | 2293 | 2296 | 2303 | rVB3 | 34196   | 51714   | 0.91%  | 0.143% |
| 66 | 16.651 | 2315 | 2323 | 2329 | rVB  | 57705   | 88228   | 1.55%  | 0.243% |
| 67 | 16.834 | 2347 | 2354 | 2357 | rBV  | 1264235 | 1781178 | 31.32% | 4.915% |
| 68 | 16.875 | 2357 | 2361 | 2367 | rVV  | 1297877 | 1738256 | 30.57% | 4.796% |
| 69 | 16.934 | 2367 | 2371 | 2373 | rVV2 | 34103   | 47328   | 0.83%  | 0.131% |
| 70 | 16.963 | 2373 | 2376 | 2383 | rVV  | 52419   | 76905   | 1.35%  | 0.212% |
| 71 | 17.040 | 2384 | 2389 | 2393 | rVB5 | 12630   | 22478   | 0.40%  | 0.062% |

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Instrument :  
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## Integration Parameters: LSCINT.P

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

Filtering: 5  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 17.151 | 2405 | 2408 | 2414 | rVB6 | 17279   | 24152   | 0.42%  | 0.067% |
| 73  | 17.363 | 2439 | 2444 | 2448 | rVV3 | 26261   | 32929   | 0.58%  | 0.091% |
| 74  | 17.416 | 2448 | 2453 | 2460 | rVB4 | 40623   | 65848   | 1.16%  | 0.182% |
| 75  | 17.551 | 2474 | 2476 | 2483 | rVB3 | 18159   | 30132   | 0.53%  | 0.083% |
| 76  | 17.710 | 2497 | 2503 | 2507 | rVV  | 270897  | 369778  | 6.50%  | 1.020% |
| 77  | 17.757 | 2507 | 2511 | 2518 | rVB2 | 297065  | 393052  | 6.91%  | 1.084% |
| 78  | 17.839 | 2519 | 2525 | 2529 | rVV3 | 25166   | 40231   | 0.71%  | 0.111% |
| 79  | 17.892 | 2529 | 2534 | 2539 | rVV3 | 161245  | 279842  | 4.92%  | 0.772% |
| 80  | 17.939 | 2539 | 2542 | 2548 | rVB  | 143731  | 183057  | 3.22%  | 0.505% |
| 81  | 18.216 | 2584 | 2589 | 2594 | rBV  | 96931   | 132283  | 2.33%  | 0.365% |
| 82  | 18.469 | 2628 | 2632 | 2637 | rVV4 | 31569   | 53699   | 0.94%  | 0.148% |
| 83  | 18.516 | 2637 | 2640 | 2644 | rVV  | 30599   | 42802   | 0.75%  | 0.118% |
| 84  | 18.639 | 2656 | 2661 | 2666 | rBV3 | 57629   | 98585   | 1.73%  | 0.272% |
| 85  | 18.698 | 2666 | 2671 | 2675 | rVV5 | 35738   | 71263   | 1.25%  | 0.197% |
| 86  | 18.775 | 2680 | 2684 | 2693 | rBV5 | 28180   | 62118   | 1.09%  | 0.171% |
| 87  | 18.904 | 2700 | 2706 | 2712 | rBV  | 187489  | 277328  | 4.88%  | 0.765% |
| 88  | 18.975 | 2715 | 2718 | 2721 | rVV2 | 26510   | 30762   | 0.54%  | 0.085% |
| 89  | 19.004 | 2721 | 2723 | 2730 | rVB6 | 17802   | 28040   | 0.49%  | 0.077% |
| 90  | 19.263 | 2759 | 2767 | 2778 | rVV  | 291831  | 466009  | 8.19%  | 1.286% |
| 91  | 19.604 | 2821 | 2825 | 2835 | rBV4 | 32330   | 75973   | 1.34%  | 0.210% |
| 92  | 19.763 | 2844 | 2852 | 2858 | rVB4 | 35218   | 98271   | 1.73%  | 0.271% |
| 93  | 19.875 | 2868 | 2871 | 2875 | rVB2 | 19677   | 23814   | 0.42%  | 0.066% |
| 94  | 19.928 | 2877 | 2880 | 2884 | rVV  | 42682   | 54032   | 0.95%  | 0.149% |
| 95  | 20.069 | 2901 | 2904 | 2907 | rBV2 | 26347   | 33598   | 0.59%  | 0.093% |
| 96  | 20.116 | 2908 | 2912 | 2918 | rVB3 | 43120   | 64414   | 1.13%  | 0.178% |
| 97  | 20.728 | 3013 | 3016 | 3020 | rBV4 | 32995   | 50479   | 0.89%  | 0.139% |
| 98  | 21.039 | 3063 | 3069 | 3073 | rBV  | 1694066 | 2124885 | 37.36% | 5.863% |
| 99  | 21.075 | 3073 | 3075 | 3086 | rVB  | 96073   | 156118  | 2.75%  | 0.431% |
| 100 | 23.151 | 3422 | 3428 | 3439 | rVB  | 1128827 | 1985834 | 34.92% | 5.479% |

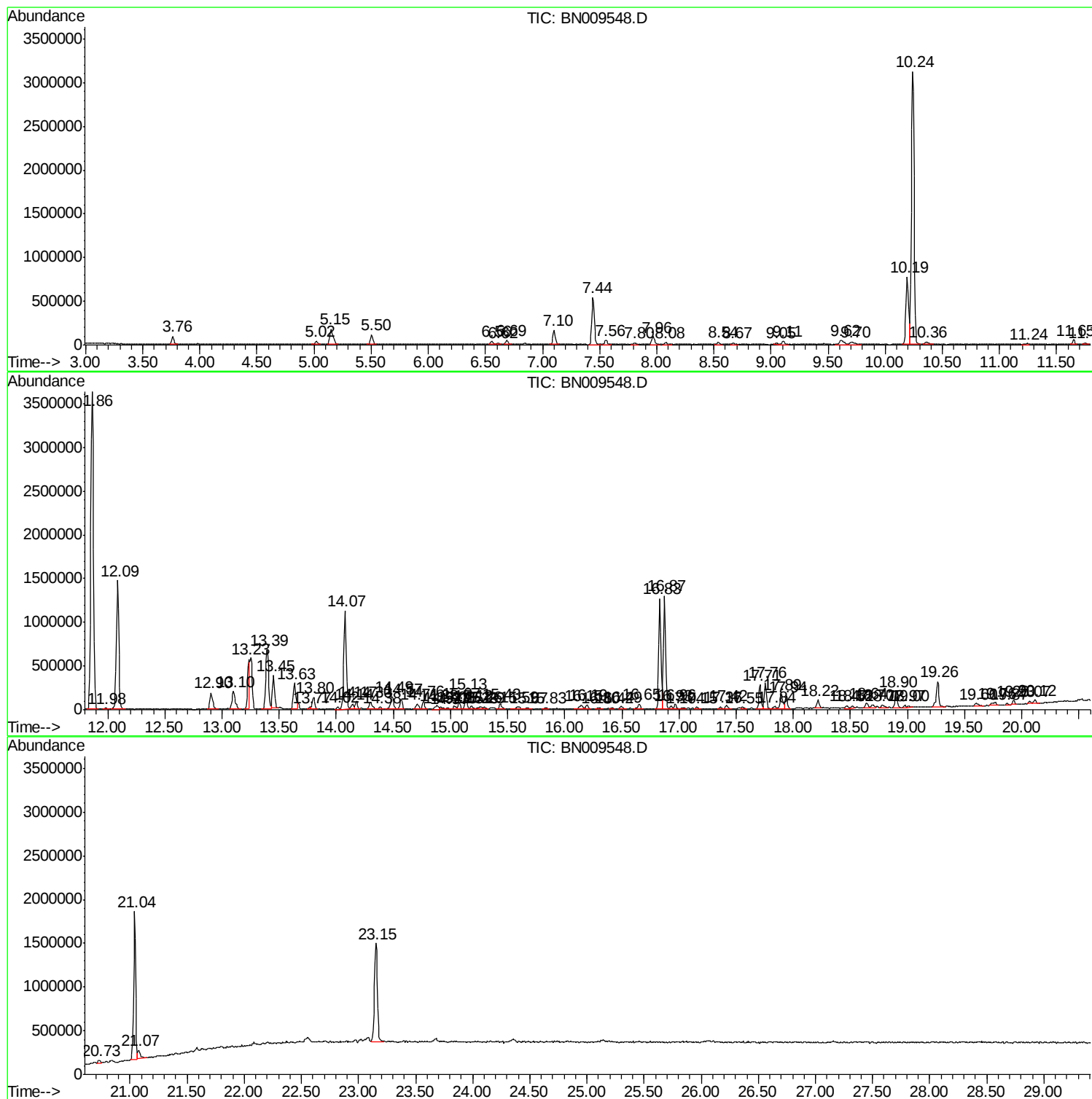
Sum of corrected areas: 36243085

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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



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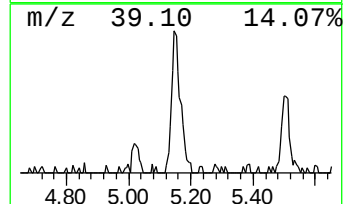
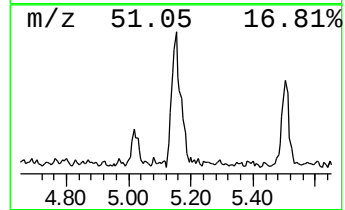
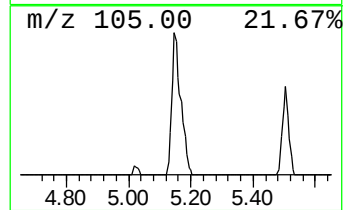
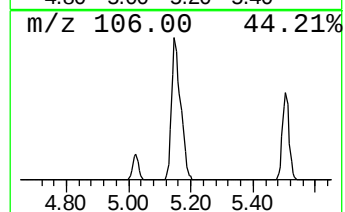
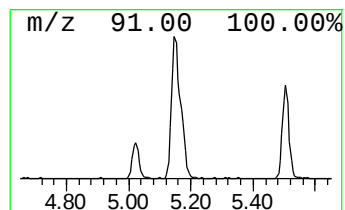
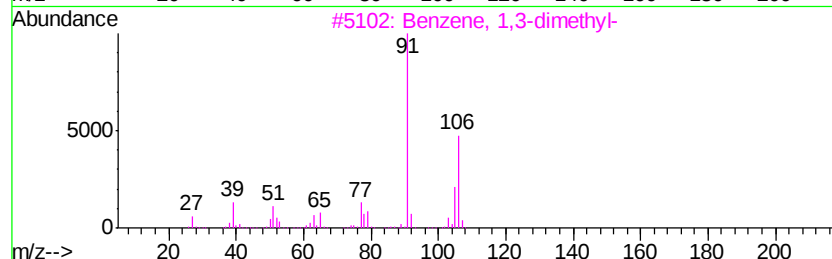
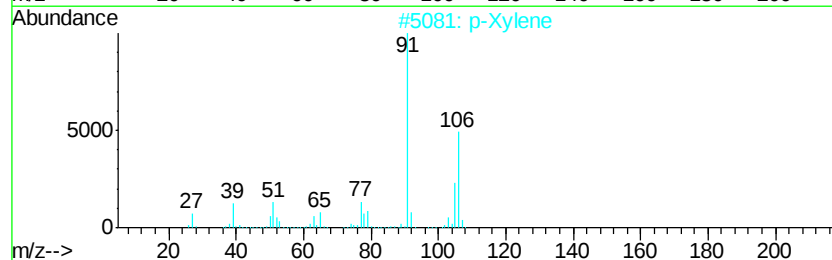
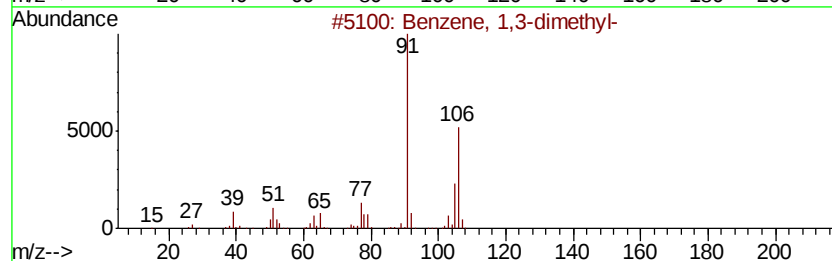
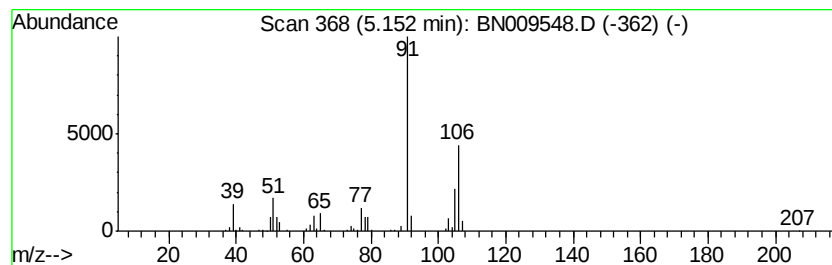
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 3

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 5.15 | 8.36 ng/ul | 354897 | 1,4-Dichlorobenzene-d4 | 7.44 |

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



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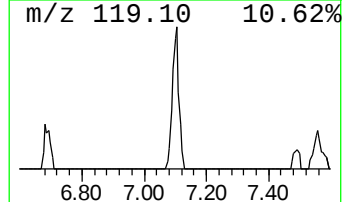
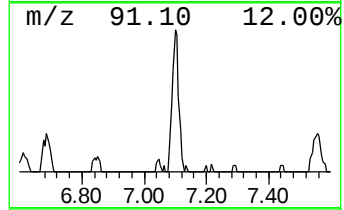
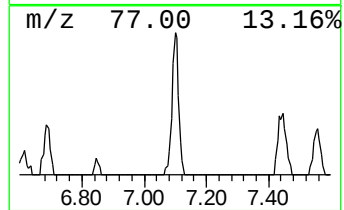
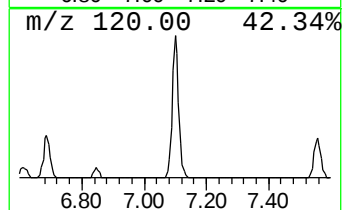
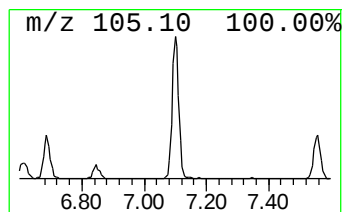
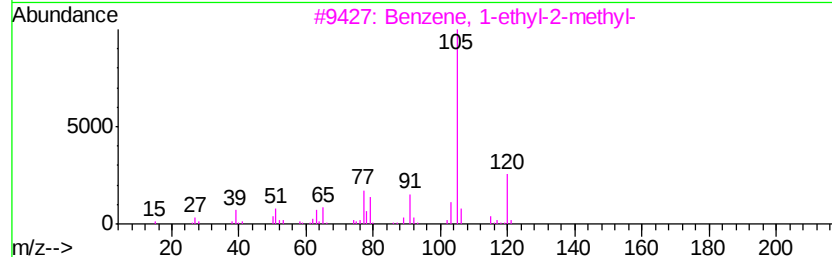
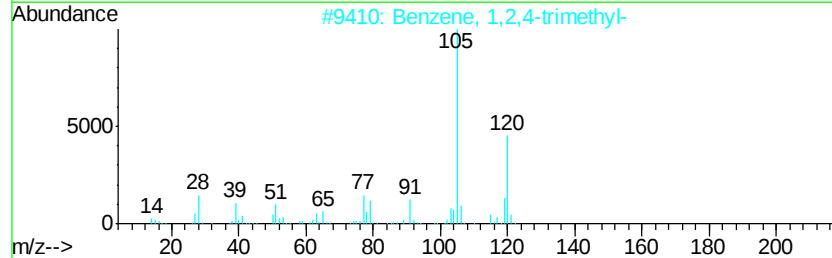
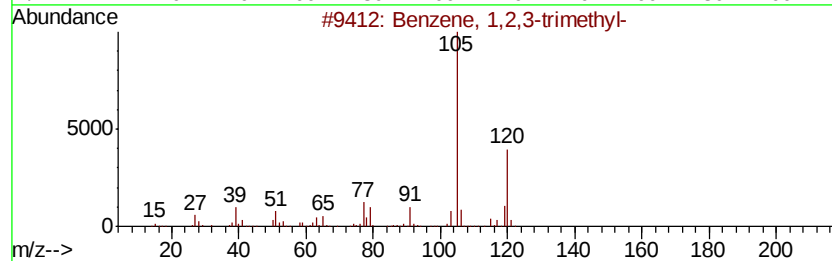
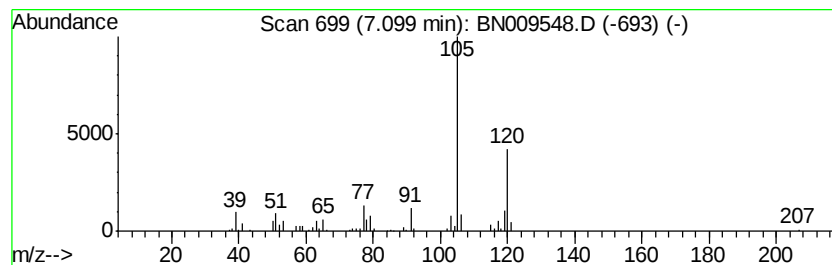
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.10 | 5.95 ng/ul | 252539 | 1,4-Dichlorobenzene-d4 | 7.44 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 97   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 93   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

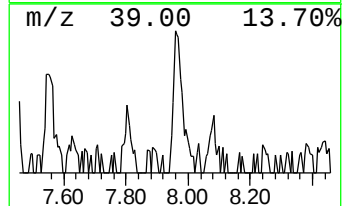
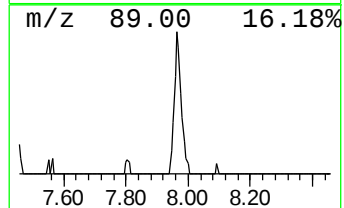
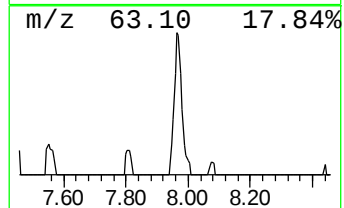
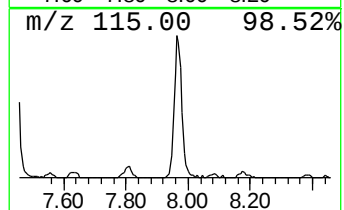
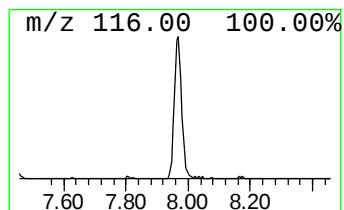
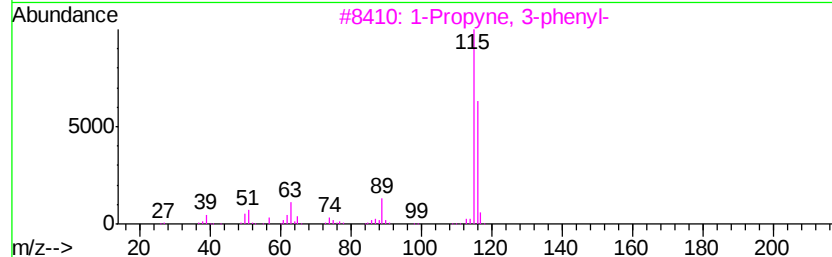
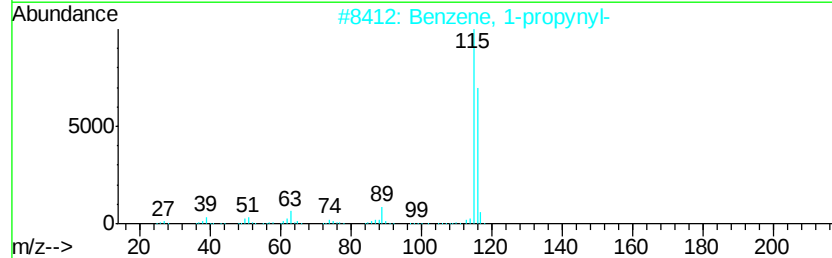
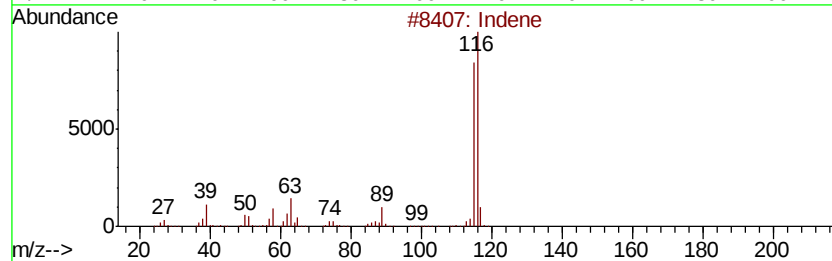
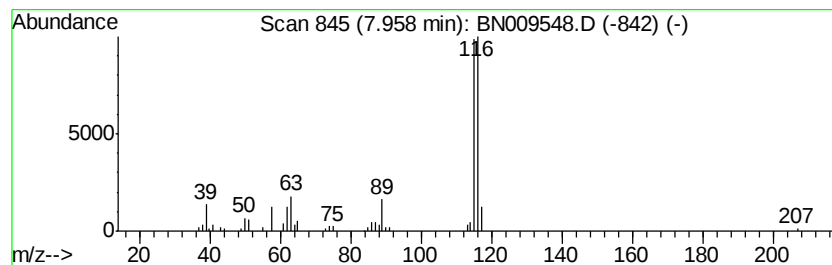
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Indene Concentration Rank 12

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 7.96 | 3.80 ng/ul | 161095 | 1,4-Dichlorobenzene-d4 | 7.44 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indene                       | 116 | C9H8    | 000095-13-6 | 94   |
| 2    |    | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |
| 3    |    | 1-Propyne, 3-phenyl-         | 116 | C9H8    | 010147-11-2 | 91   |
| 4    |    | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |
| 5    |    | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

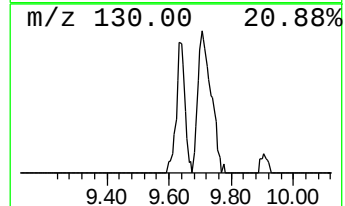
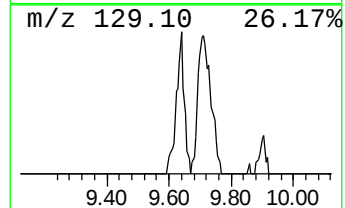
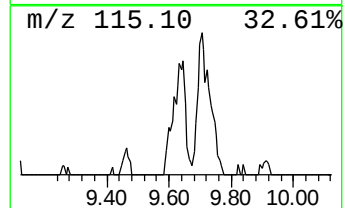
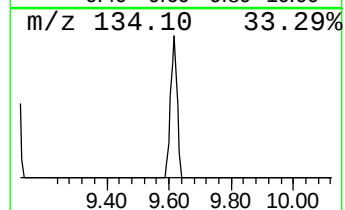
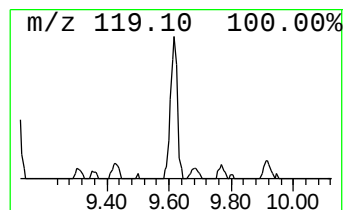
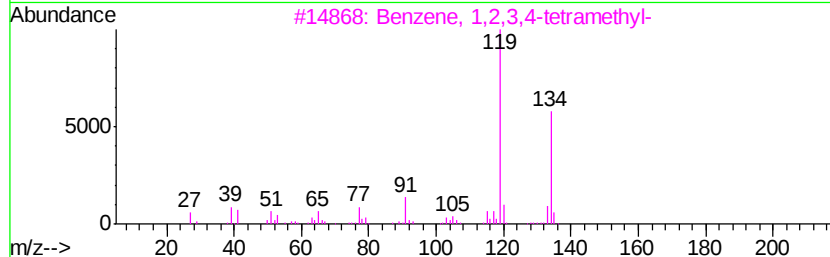
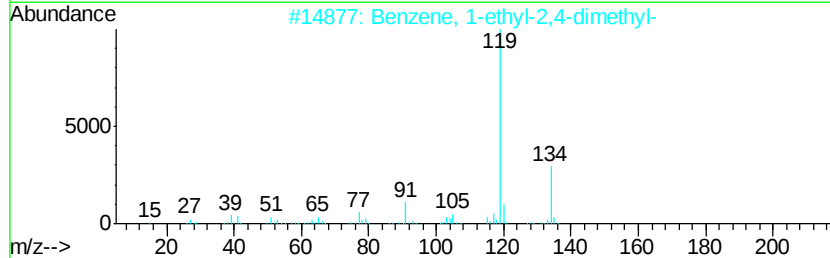
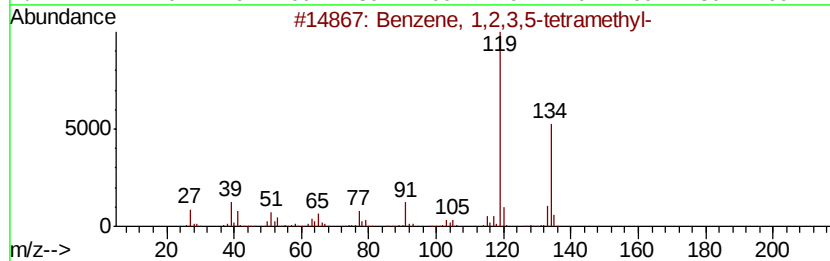
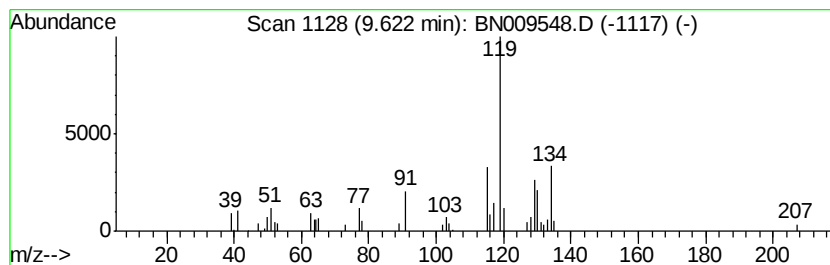
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.62 | 2.09 ng/ul | 133136 | Napthalene-d8    | 10.19 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 58   |
| 2    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 58   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 58   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 58   |
| 5    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

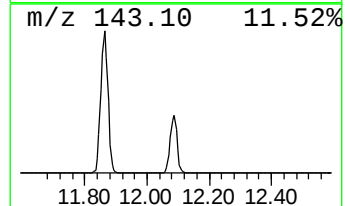
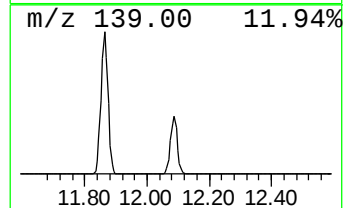
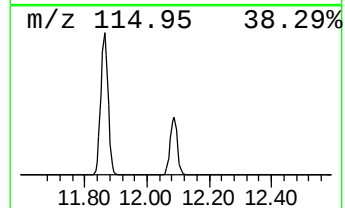
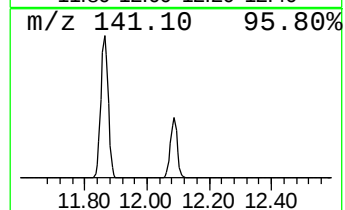
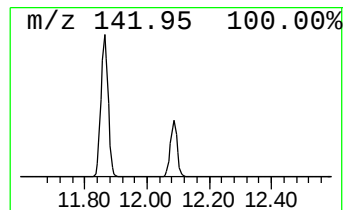
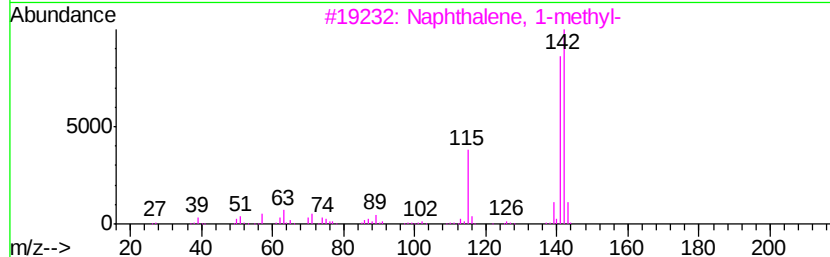
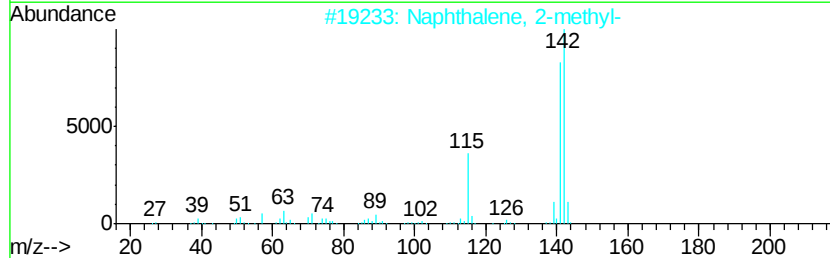
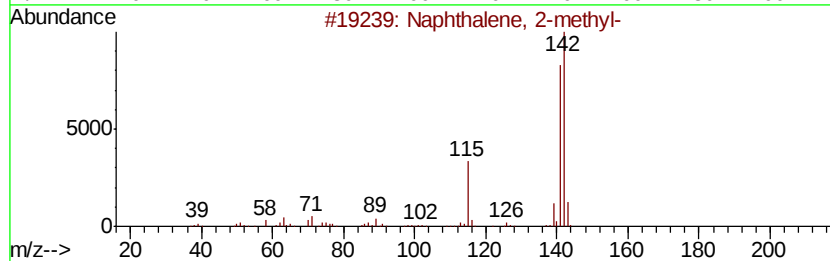
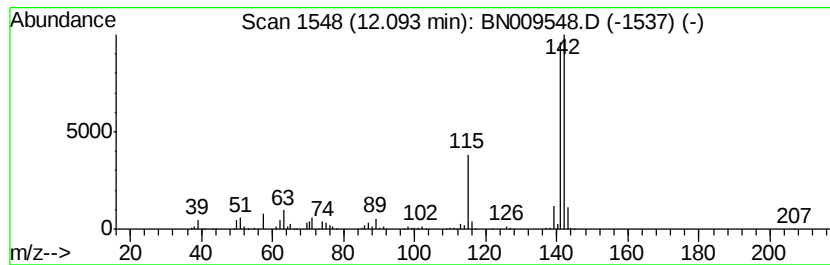
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 12.09 | 36.36 ng/ul | 2313130 | Naphthalene-d8   | 10.19 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

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Quant Title : SVOA CALIBRATION

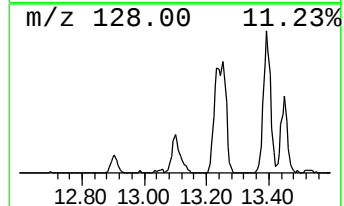
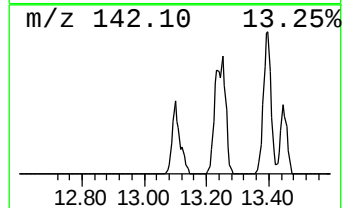
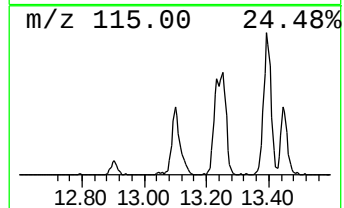
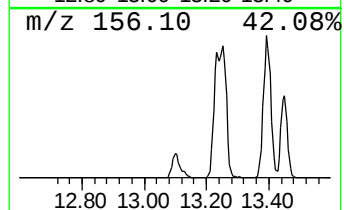
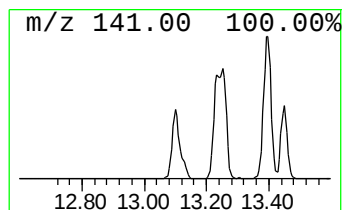
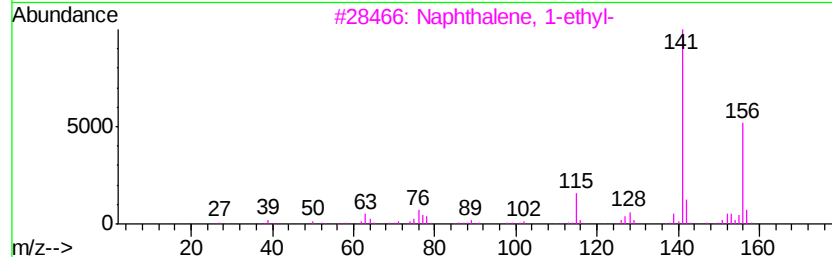
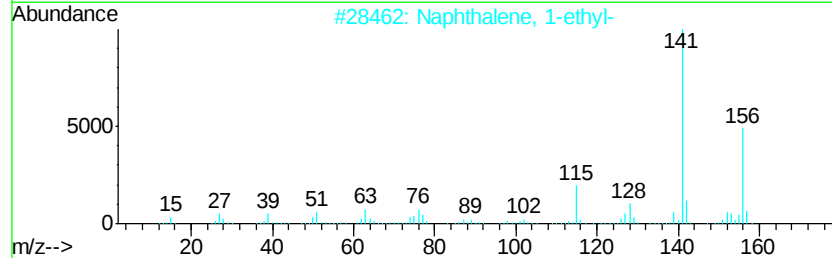
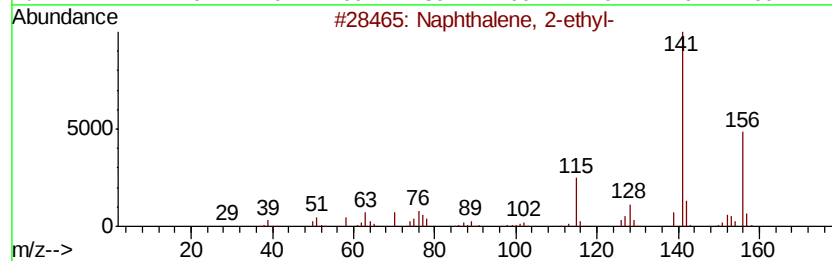
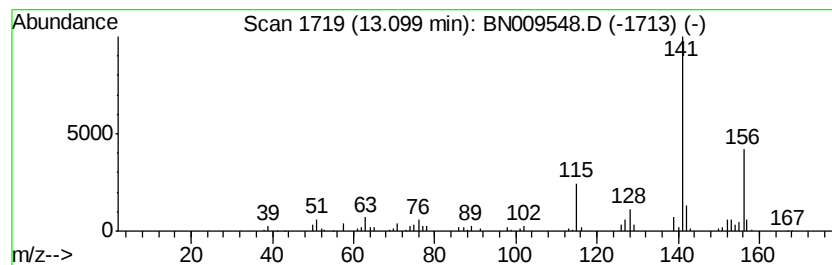
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2-ethyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.10 | 4.36 ng/ul | 391973 | Acenaphthene-d10 | 14.07 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-ethyl- | 156 | C12H12  | 000939-27-5 | 96   |
| 2    |    | Naphthalene, 1-ethyl- | 156 | C12H12  | 001127-76-0 | 95   |
| 3    |    | Naphthalene, 1-ethyl- | 156 | C12H12  | 001127-76-0 | 94   |
| 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 N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
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Quant Title : SVOA CALIBRATION

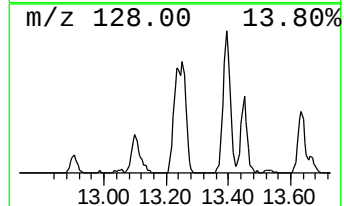
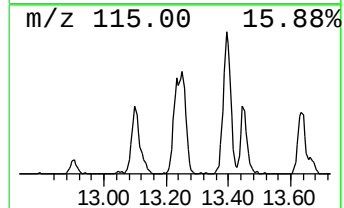
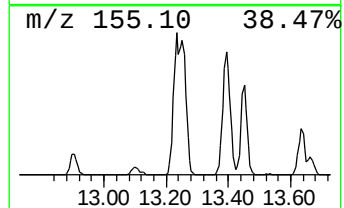
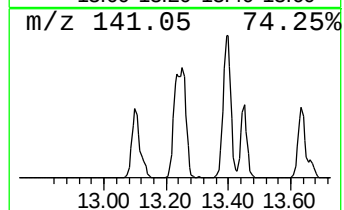
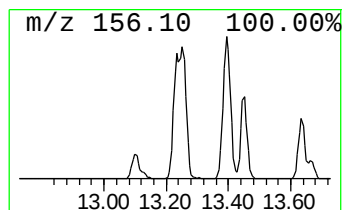
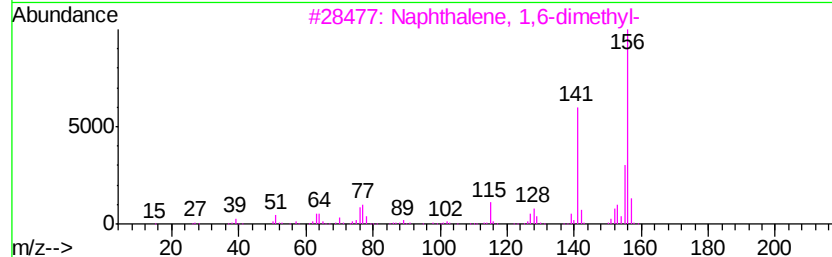
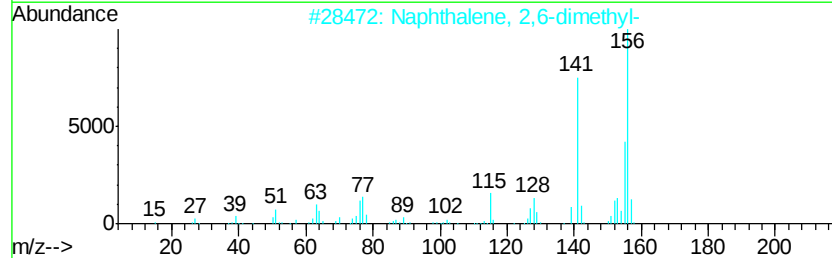
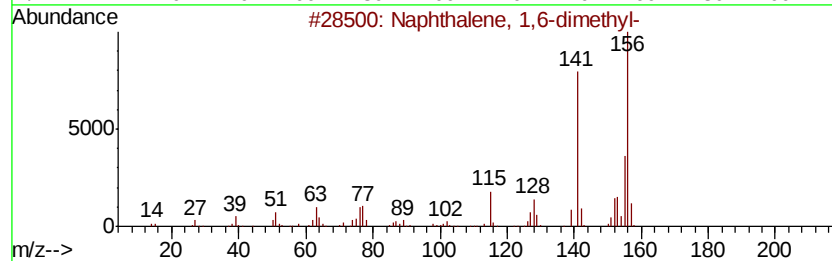
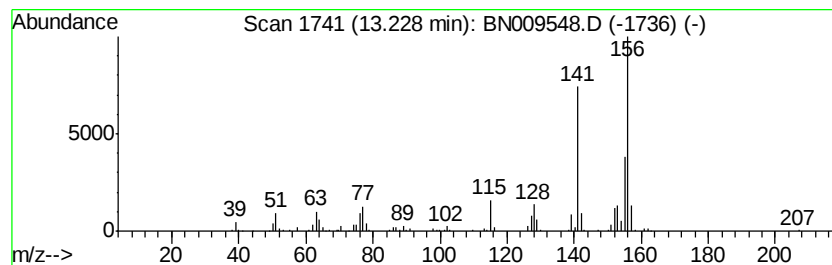
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.23 | 8.26 ng/ul | 742638 | Acenaphthene-d10 | 14.07 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 2    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 98   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

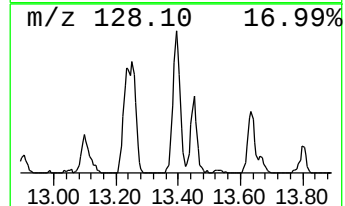
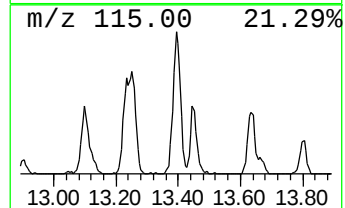
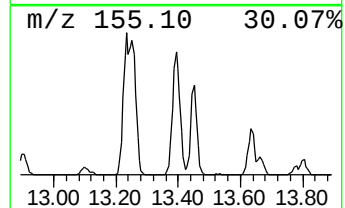
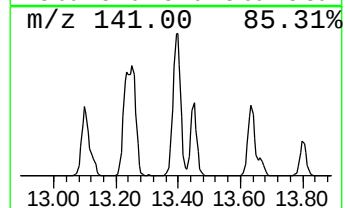
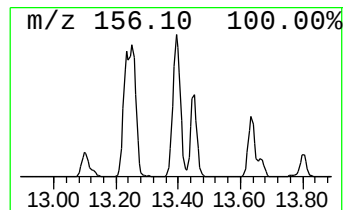
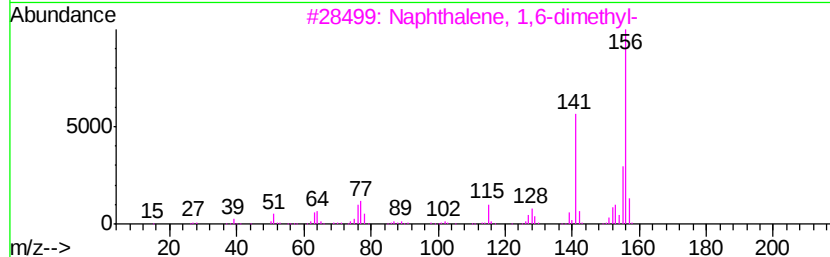
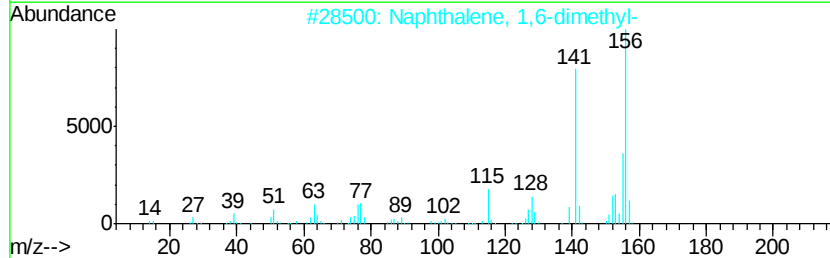
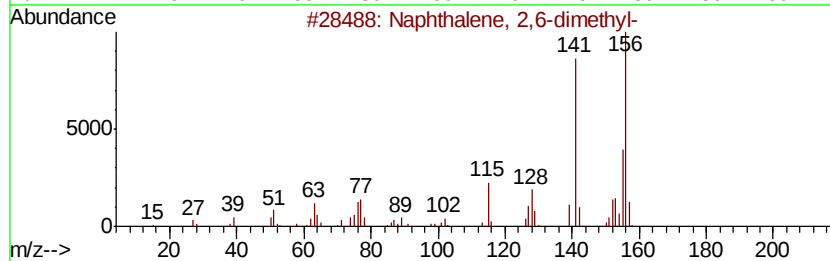
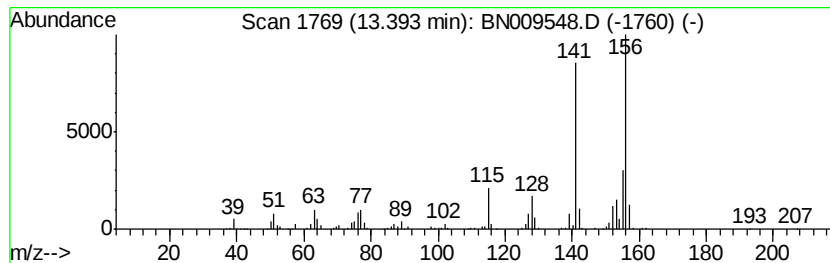
Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 2

| R.T.    | EstConc     | Area                       | Relative to ISTD | R.T.           |
|---------|-------------|----------------------------|------------------|----------------|
| 13.39   | 13.03 ng/ul | 1170930                    | Acenaphthene-d10 | 14.07          |
| Hit# of | 5           | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |             | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 98 |
| 2       |             | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 98 |
| 3       |             | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |
| 4       |             | Naphthalene, 2,3-dimethyl- | 156 C12H12       | 000581-40-8 97 |
| 5       |             | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

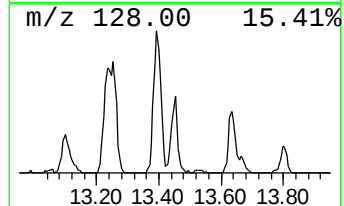
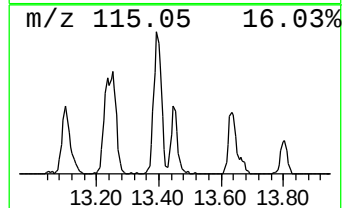
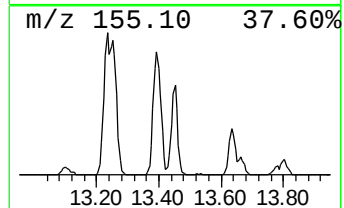
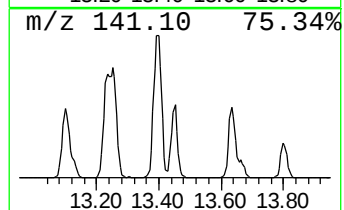
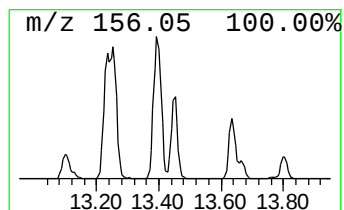
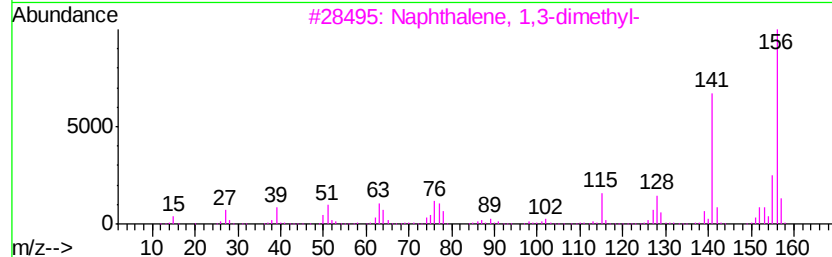
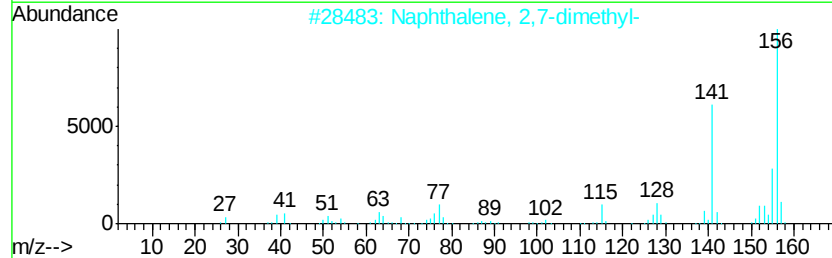
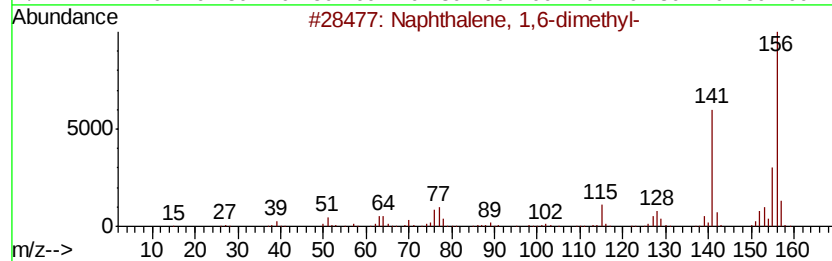
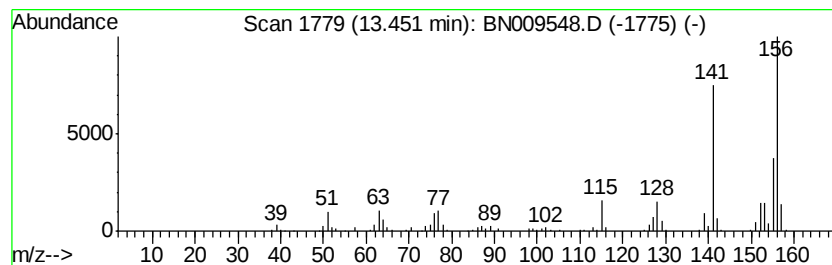
Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 6

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.45   | 5.50 ng/ul | 493843                     | Acenaphthene-d10 | 14.07          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |
| 2       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12       | 000582-16-1 96 |
| 3       |            | Naphthalene, 1,3-dimethyl- | 156 C12H12       | 000575-41-7 96 |
| 4       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 96 |
| 5       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

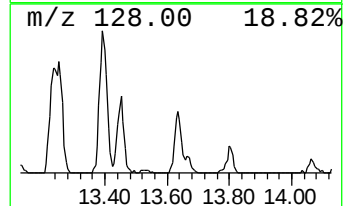
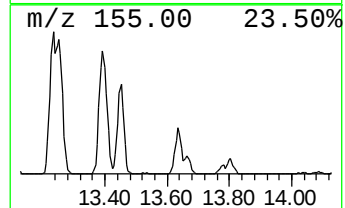
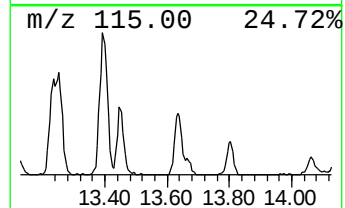
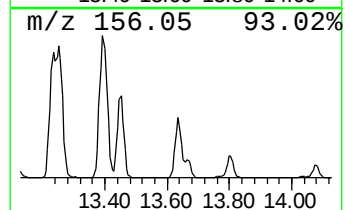
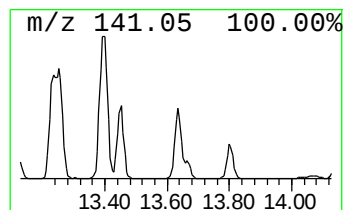
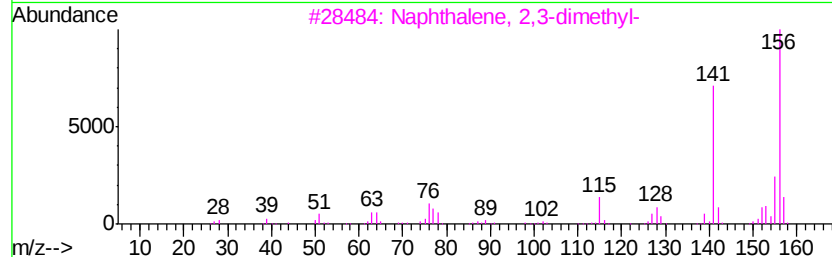
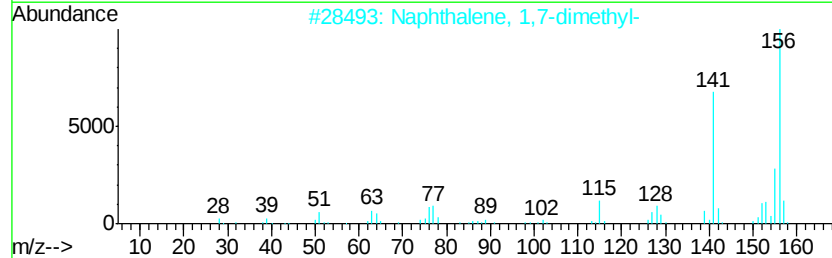
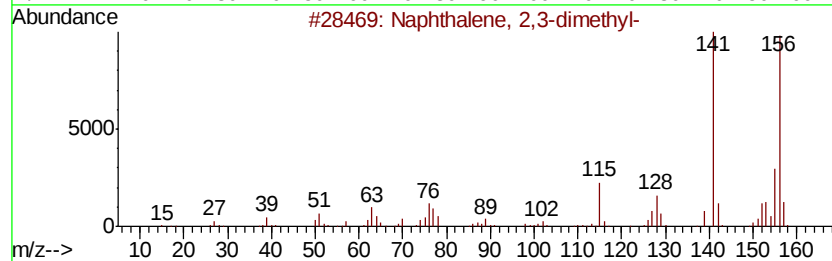
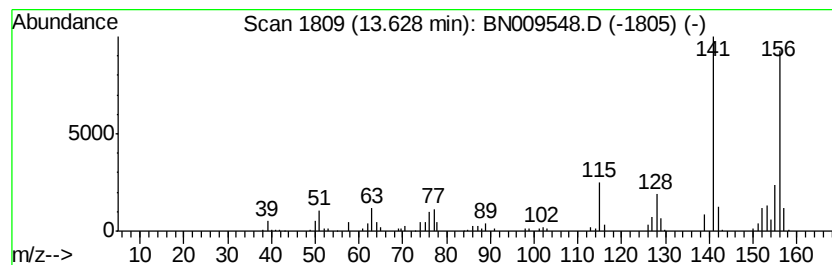
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.63 | 5.05 ng/ul | 453493 | Acenaphthene-d10 | 14.07 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 5    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

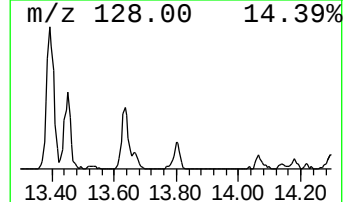
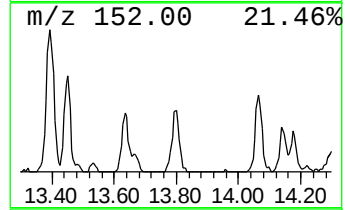
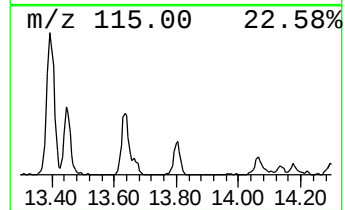
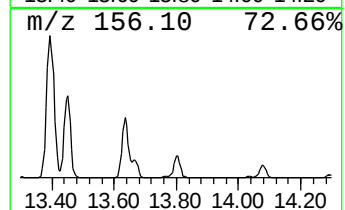
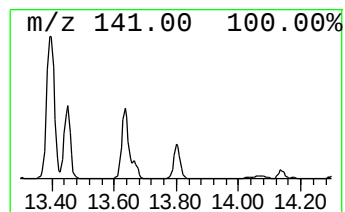
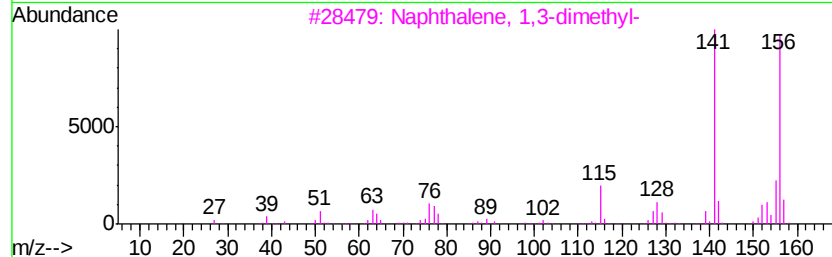
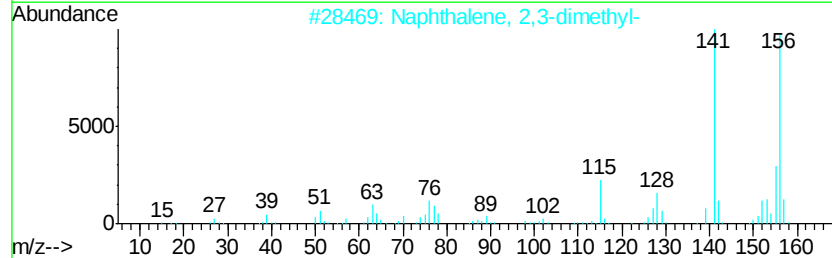
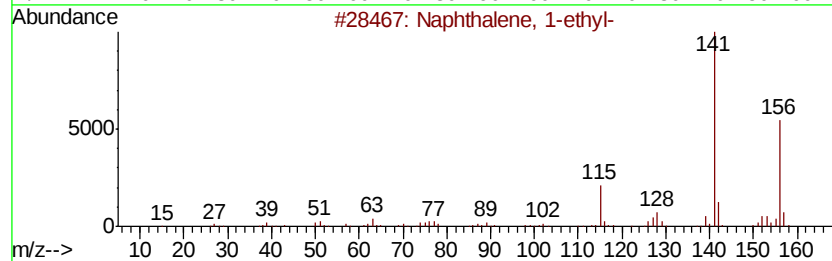
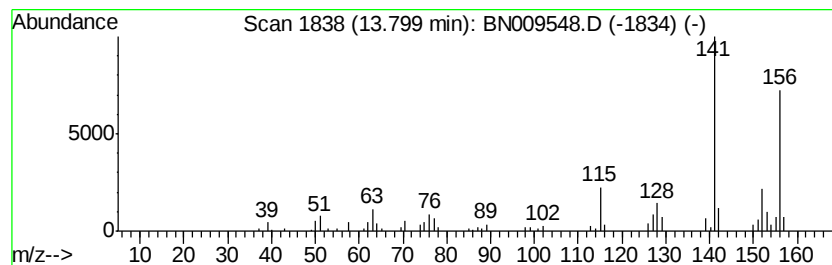
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.80 | 2.28 ng/ul | 204965 | Acenaphthene-d10 | 14.07 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 95   |
| 2    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 91   |
| 3    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 91   |
| 4    |    | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 91   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

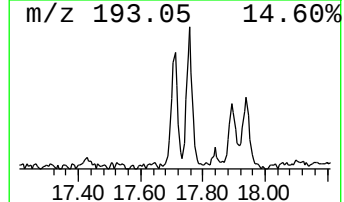
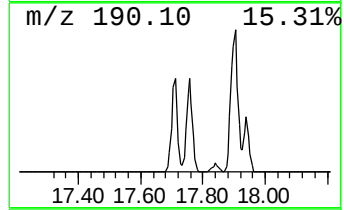
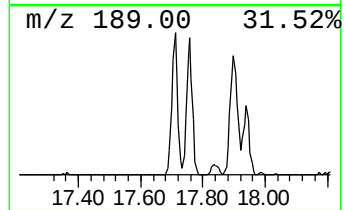
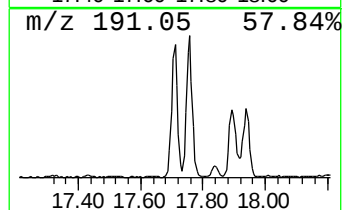
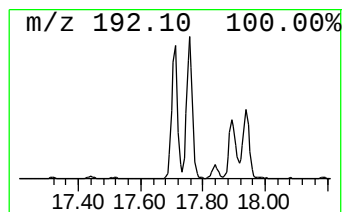
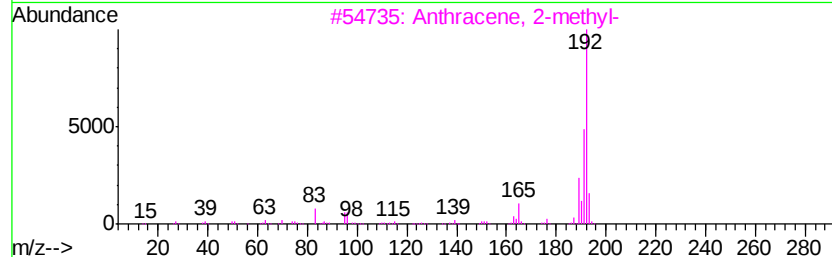
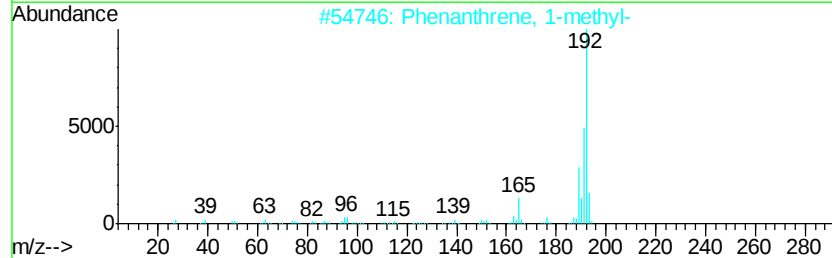
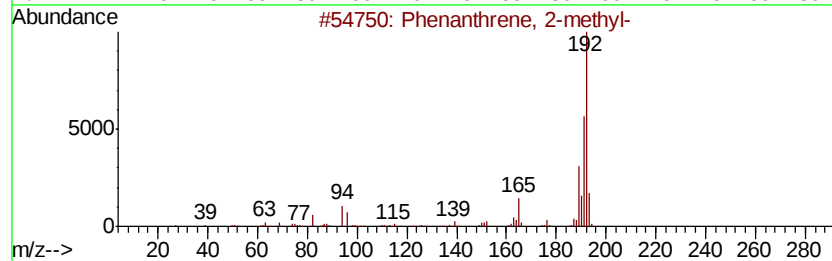
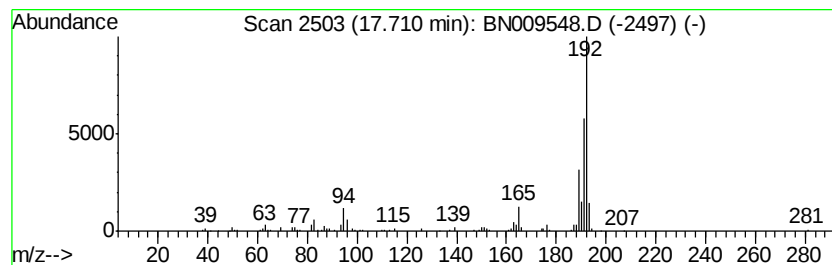
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.71 | 4.15 ng/ul | 369778 | Phenanthrene-d10 | 16.83 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 5    |    |   | 1H-Indene, 2-phenyl-    | 192 | C15H12  | 004505-48-0 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

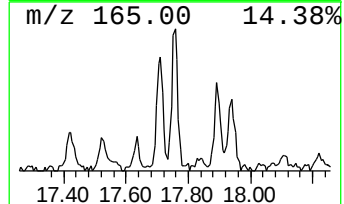
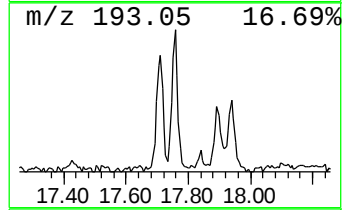
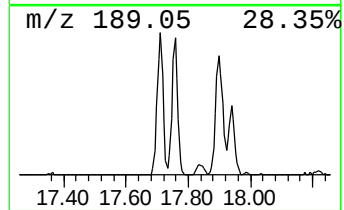
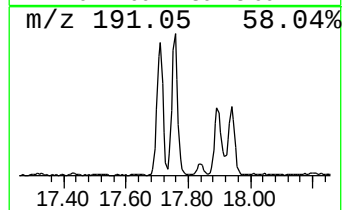
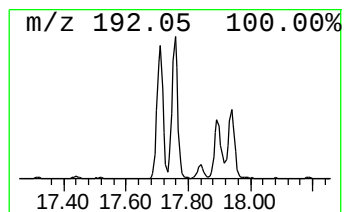
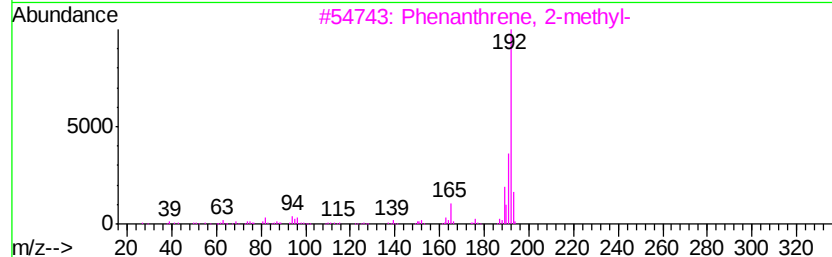
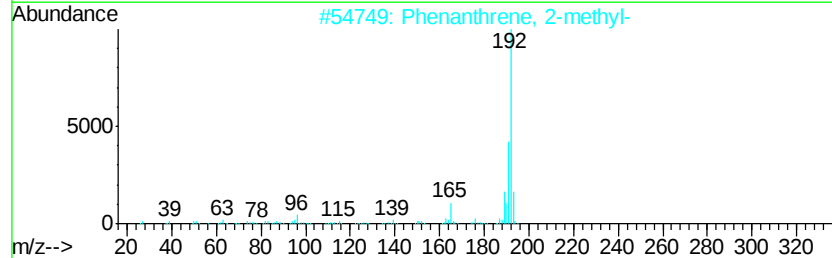
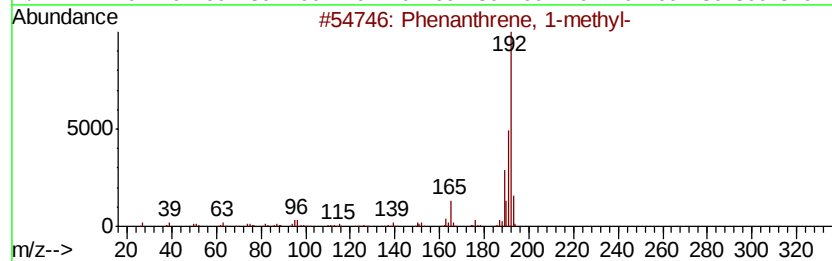
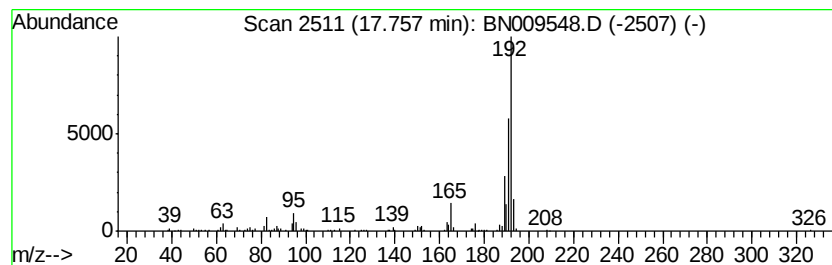
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.76 | 4.41 ng/ul | 393052 | Phenanthrene-d10 | 16.83 |

| Hit# | of | 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl-                | 192 | C15H12  | 000832-69-9 | 96   |
| 2    |    |   | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 96   |
| 3    |    |   | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | 1H-Cyclopropa[1,1]phenanthrene, 1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 5    |    |   | Phenanthrene, 2-methyl-                | 192 | C15H12  | 002531-84-2 | 95   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

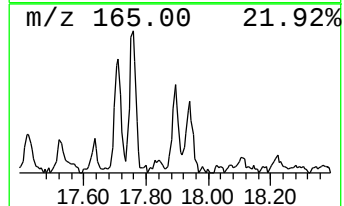
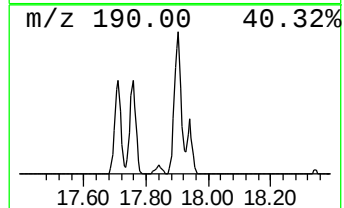
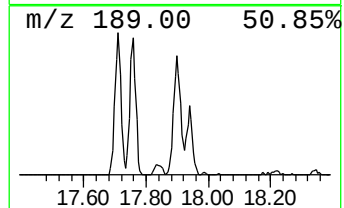
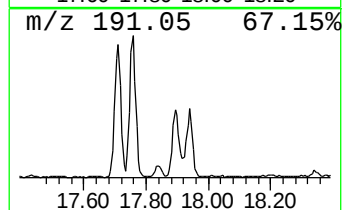
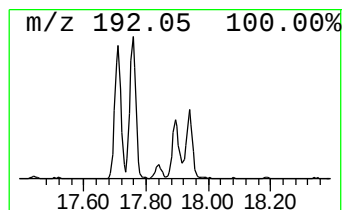
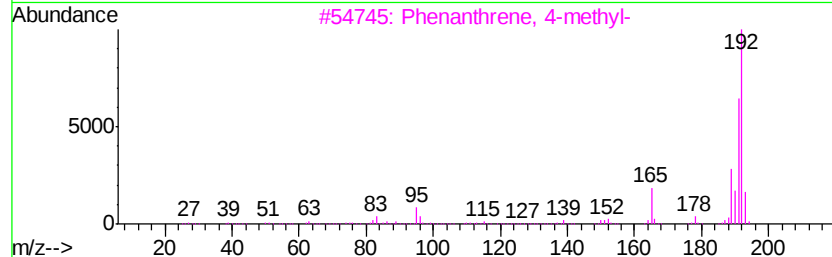
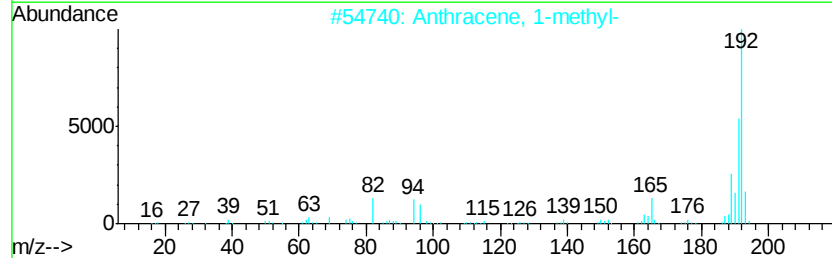
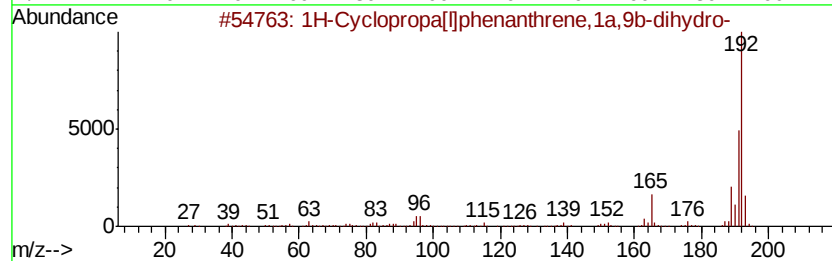
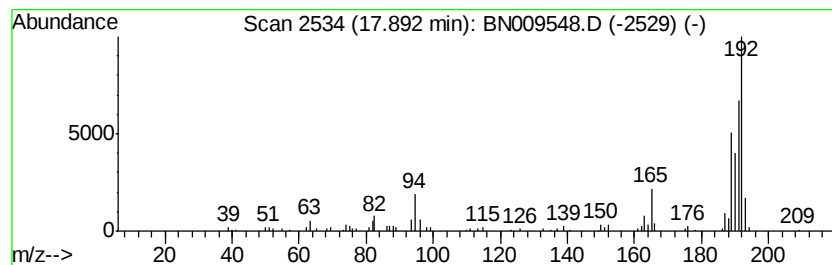
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.89 | 3.14 ng/ul | 279842 | Phenanthrene-d10 | 16.83 |

| Hit# | of | 5 | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Cyclopropa[l]phenanthrene, 1a, ... | 192 | C15H12  | 000949-41-7 | 90   |
| 2    |    |   | Anthracene, 1-methyl-                 | 192 | C15H12  | 000610-48-0 | 78   |
| 3    |    |   | Phenanthrene, 4-methyl-               | 192 | C15H12  | 000832-64-4 | 78   |
| 4    |    |   | Anthracene, 1-methyl-                 | 192 | C15H12  | 000610-48-0 | 70   |
| 5    |    |   | Phenanthrene, 2-methyl-               | 192 | C15H12  | 002531-84-2 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
Data File : BN009548.D  
Acq On : 04 Feb 2020 02:58  
Operator : CG/JU  
Sample : L1271-01DL2 30X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :  
GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
Quant Title : SVOA CALIBRATION

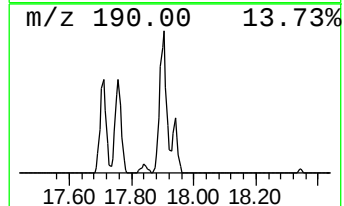
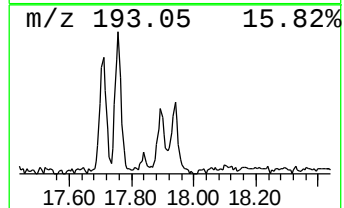
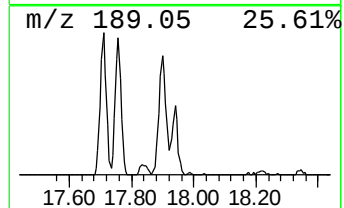
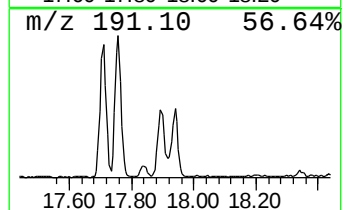
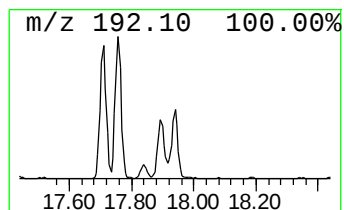
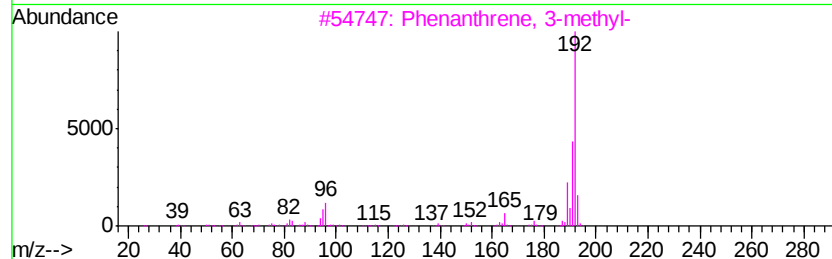
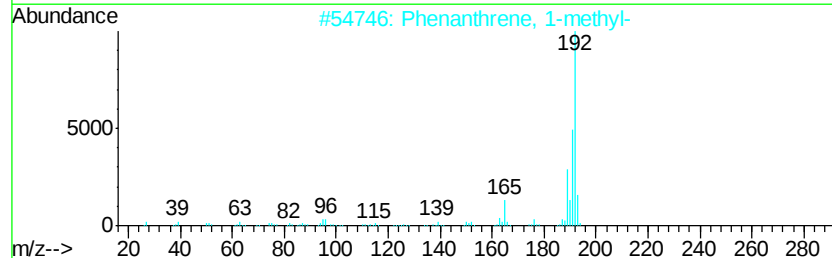
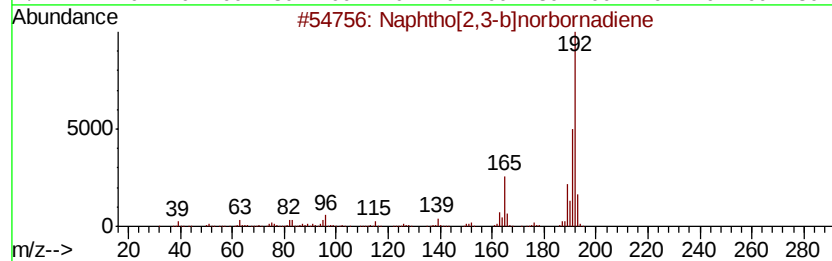
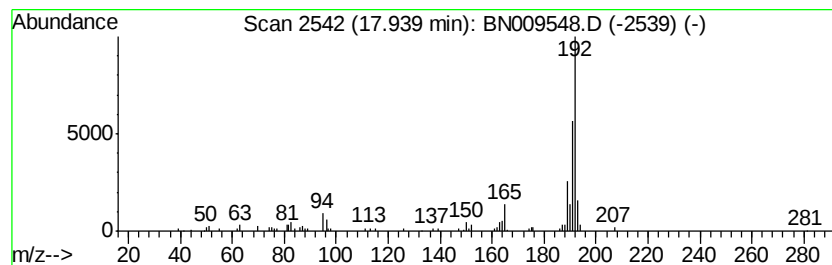
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Naphtho[2,3-b]norbornadiene Concentration Rank 17

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.94 | 2.06 ng/ul | 183057 | Phenanthrene-d10 | 16.83 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 90   |
| 2    |    | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 87   |
| 3    |    | Phenanthrene, 3-methyl-     | 192 | C15H12  | 000832-71-3 | 87   |
| 4    |    | 1H-Indene, 2-phenyl-        | 192 | C15H12  | 004505-48-0 | 87   |
| 5    |    | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
 Data File : BN009548.D  
 Acq On : 04 Feb 2020 02:58  
 Operator : CG/JU  
 Sample : L1271-01DL2 30X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GASZ4DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.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  | 8.4     | ng/ul | 354897   | 1                     | 7.44  | 848683  | 20.0 |
| Benzene, 1,2,3-tr... | 7.10  | 6.0     | ng/ul | 252539   | 1                     | 7.44  | 848683  | 20.0 |
| Indene               | 7.96  | 3.8     | ng/ul | 161095   | 1                     | 7.44  | 848683  | 20.0 |
| Benzene, 1,2,3,5-... | 9.62  | 2.1     | ng/ul | 133136   | 2                     | 10.19 | 1272450 | 20.0 |
| Naphthalene, 1-me... | 12.09 | 36.4    | ng/ul | 2313130  | 2                     | 10.19 | 1272450 | 20.0 |
| Naphthalene, 2-et... | 13.10 | 4.4     | ng/ul | 391973   | 3                     | 14.07 | 1797210 | 20.0 |
| Naphthalene, 1,5-... | 13.23 | 8.3     | ng/ul | 742638   | 3                     | 14.07 | 1797210 | 20.0 |
| Naphthalene, 2,6-... | 13.39 | 13.0    | ng/ul | 1170930  | 3                     | 14.07 | 1797210 | 20.0 |
| Naphthalene, 1,6-... | 13.45 | 5.5     | ng/ul | 493843   | 3                     | 14.07 | 1797210 | 20.0 |
| Naphthalene, 2,3-... | 13.63 | 5.0     | ng/ul | 453493   | 3                     | 14.07 | 1797210 | 20.0 |
| Naphthalene, 1-et... | 13.80 | 2.3     | ng/ul | 204965   | 3                     | 14.07 | 1797210 | 20.0 |
| Phenanthrene, 2-m... | 17.71 | 4.2     | ng/ul | 369778   | 4                     | 16.83 | 1781180 | 20.0 |
| Phenanthrene, 1-m... | 17.76 | 4.4     | ng/ul | 393052   | 4                     | 16.83 | 1781180 | 20.0 |
| 1H-Cyclopropa[1]p... | 17.89 | 3.1     | ng/ul | 279842   | 4                     | 16.83 | 1781180 | 20.0 |
| Naphtho[2,3-b]nor... | 17.94 | 2.1     | ng/ul | 183057   | 4                     | 16.83 | 1781180 | 20.0 |