

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
 Data File : BN009473.D  
 Acq On : 29 Jan 2020 12:48  
 Operator : CG/JU  
 Sample : L1193-13MEDL 20X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GASP4MEDL

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-BN012220MA.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         | 4.381       | 233           | 237         | 242          | rVB      | 13615          | 19449         | 0.61%           | 0.060%        |
| 2         | 6.652       | 618           | 623         | 633          | rBV2     | 26395          | 45323         | 1.43%           | 0.139%        |
| 3         | 6.805       | 644           | 649         | 661          | rVB      | 24039          | 40951         | 1.29%           | 0.126%        |
| 4         | 6.993       | 676           | 681         | 687          | rBV2     | 28186          | 47400         | 1.49%           | 0.146%        |
| 5         | 7.446       | 751           | 758         | 767          | rBV      | 881483         | 1363529       | 42.98%          | 4.186%        |
| 6         | 8.169       | 873           | 881         | 888          | rBV3     | 26651          | 48866         | 1.54%           | 0.150%        |
| 7         | 8.593       | 948           | 953         | 961          | rBV      | 26819          | 47478         | 1.50%           | 0.146%        |
| 8         | 9.310       | 1068          | 1075        | 1080         | rBV3     | 18178          | 28932         | 0.91%           | 0.089%        |
| 9         | 9.852       | 1160          | 1167        | 1178         | rBV3     | 24157          | 49737         | 1.57%           | 0.153%        |
| 10        | 10.199      | 1219          | 1226        | 1232         | rBV      | 1294110        | 2048875       | 64.58%          | 6.291%        |
| 11        | 10.252      | 1232          | 1235        | 1241         | rVB      | 61997          | 92850         | 2.93%           | 0.285%        |
| 12        | 10.363      | 1248          | 1254        | 1262         | rBV4     | 25773          | 50767         | 1.60%           | 0.156%        |
| 13        | 11.604      | 1459          | 1465        | 1471         | rBV4     | 11773          | 25461         | 0.80%           | 0.078%        |
| 14        | 11.763      | 1487          | 1492        | 1497         | rVB3     | 11276          | 17799         | 0.56%           | 0.055%        |
| 15        | 11.869      | 1503          | 1510        | 1521         | rBV      | 1945898        | 3124221       | 98.48%          | 9.592%        |
| 16        | 12.093      | 1538          | 1548        | 1558         | rBV      | 1067505        | 1670452       | 52.65%          | 5.129%        |
| 17        | 12.916      | 1682          | 1688        | 1689         | rBV      | 53179          | 75849         | 2.39%           | 0.233%        |
| 18        | 13.057      | 1708          | 1712        | 1714         | rVV4     | 15832          | 22730         | 0.72%           | 0.070%        |
| 19        | 13.110      | 1714          | 1721        | 1730         | rVB      | 208164         | 406446        | 12.81%          | 1.248%        |
| 20        | 13.246      | 1737          | 1744        | 1745         | rBV      | 576153         | 805412        | 25.39%          | 2.473%        |
| 21        | 13.404      | 1762          | 1771        | 1776         | rBV      | 665564         | 1122804       | 35.39%          | 3.447%        |
| 22        | 13.457      | 1776          | 1780        | 1786         | rVB      | 345522         | 497746        | 15.69%          | 1.528%        |
| 23        | 13.510      | 1786          | 1789        | 1791         | rBV      | 66539          | 82147         | 2.59%           | 0.252%        |
| 24        | 13.540      | 1791          | 1794        | 1802         | rVB2     | 80970          | 123231        | 3.88%           | 0.378%        |
| 25        | 13.646      | 1807          | 1812        | 1816         | rBV      | 282873         | 435504        | 13.73%          | 1.337%        |
| 26        | 13.781      | 1829          | 1835        | 1836         | rBV      | 79436          | 123504        | 3.89%           | 0.379%        |
| 27        | 13.804      | 1836          | 1839        | 1845         | rVB2     | 234987         | 365343        | 11.52%          | 1.122%        |
| 28        | 14.022      | 1870          | 1876        | 1880         | rBV      | 59016          | 82119         | 2.59%           | 0.252%        |
| 29        | 14.087      | 1880          | 1887        | 1894         | rVV      | 1889447        | 2820932       | 88.92%          | 8.661%        |
| 30        | 14.151      | 1894          | 1898        | 1901         | rVV2     | 69266          | 103595        | 3.27%           | 0.318%        |
| 31        | 14.187      | 1901          | 1904        | 1908         | rVV      | 71015          | 91876         | 2.90%           | 0.282%        |
| 32        | 14.304      | 1919          | 1924        | 1935         | rBV      | 86184          | 196786        | 6.20%           | 0.604%        |
| 33        | 14.393      | 1935          | 1939        | 1944         | rVB2     | 25205          | 35527         | 1.12%           | 0.109%        |
| 34        | 14.498      | 1947          | 1957        | 1964         | rBV2     | 136136         | 262755        | 8.28%           | 0.807%        |

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 GASP4MEDL

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.581 | 1964 | 1971 | 1975 | rVB  | 108800  | 158808  | 5.01%  | 0.488% |
| 36 | 14.716 | 1987 | 1994 | 2000 | rBV4 | 74991   | 166449  | 5.25%  | 0.511% |
| 37 | 14.775 | 2000 | 2004 | 2016 | rVB  | 92813   | 136862  | 4.31%  | 0.420% |
| 38 | 14.893 | 2016 | 2024 | 2027 | rBV4 | 49654   | 109051  | 3.44%  | 0.335% |
| 39 | 14.969 | 2033 | 2037 | 2044 | rVB2 | 40794   | 85030   | 2.68%  | 0.261% |
| 40 | 15.040 | 2044 | 2049 | 2053 | rBV3 | 40598   | 73355   | 2.31%  | 0.225% |
| 41 | 15.087 | 2053 | 2057 | 2062 | rVB2 | 157112  | 231526  | 7.30%  | 0.711% |
| 42 | 15.145 | 2062 | 2067 | 2072 | rBV2 | 217727  | 324585  | 10.23% | 0.997% |
| 43 | 15.193 | 2072 | 2075 | 2080 | rVB4 | 32438   | 44540   | 1.40%  | 0.137% |
| 44 | 15.240 | 2080 | 2083 | 2086 | rBV5 | 24271   | 33522   | 1.06%  | 0.103% |
| 45 | 15.275 | 2086 | 2089 | 2092 | rVV5 | 25916   | 31703   | 1.00%  | 0.097% |
| 46 | 15.304 | 2092 | 2094 | 2099 | rVB5 | 22098   | 27480   | 0.87%  | 0.084% |
| 47 | 15.369 | 2101 | 2105 | 2108 | rBV5 | 18628   | 33909   | 1.07%  | 0.104% |
| 48 | 15.445 | 2113 | 2118 | 2127 | rBV3 | 55168   | 95680   | 3.02%  | 0.294% |
| 49 | 15.592 | 2135 | 2143 | 2151 | rVB6 | 28136   | 71195   | 2.24%  | 0.219% |
| 50 | 15.681 | 2151 | 2158 | 2162 | rVB5 | 16676   | 27367   | 0.86%  | 0.084% |
| 51 | 15.840 | 2178 | 2185 | 2190 | rBV7 | 22682   | 47375   | 1.49%  | 0.145% |
| 52 | 15.934 | 2195 | 2201 | 2204 | rBV4 | 15877   | 19280   | 0.61%  | 0.059% |
| 53 | 16.151 | 2236 | 2238 | 2243 | rVB4 | 52198   | 70146   | 2.21%  | 0.215% |
| 54 | 16.204 | 2243 | 2247 | 2253 | rVB2 | 77547   | 104899  | 3.31%  | 0.322% |
| 55 | 16.304 | 2259 | 2264 | 2271 | rVB4 | 27029   | 48494   | 1.53%  | 0.149% |
| 56 | 16.392 | 2275 | 2279 | 2282 | rBV6 | 10801   | 18856   | 0.59%  | 0.058% |
| 57 | 16.428 | 2282 | 2285 | 2288 | rVB5 | 19174   | 24336   | 0.77%  | 0.075% |
| 58 | 16.504 | 2294 | 2298 | 2308 | rVB3 | 37429   | 58404   | 1.84%  | 0.179% |
| 59 | 16.657 | 2316 | 2324 | 2329 | rVV2 | 52782   | 88870   | 2.80%  | 0.273% |
| 60 | 16.840 | 2349 | 2355 | 2359 | rBV  | 2085486 | 2942314 | 92.74% | 9.034% |
| 61 | 16.881 | 2359 | 2362 | 2368 | rVV  | 1028891 | 1445188 | 45.55% | 4.437% |
| 62 | 16.939 | 2368 | 2372 | 2375 | rVV  | 116101  | 163094  | 5.14%  | 0.501% |
| 63 | 16.975 | 2375 | 2378 | 2385 | rVV  | 69533   | 102808  | 3.24%  | 0.316% |
| 64 | 17.039 | 2385 | 2389 | 2394 | rVV6 | 22248   | 41527   | 1.31%  | 0.128% |
| 65 | 17.163 | 2407 | 2410 | 2415 | rVB4 | 17692   | 21733   | 0.69%  | 0.067% |
| 66 | 17.375 | 2441 | 2446 | 2449 | rBV2 | 22932   | 30136   | 0.95%  | 0.093% |
| 67 | 17.428 | 2449 | 2455 | 2461 | rVB5 | 31432   | 50010   | 1.58%  | 0.154% |
| 68 | 17.534 | 2469 | 2473 | 2476 | rBV5 | 17494   | 29162   | 0.92%  | 0.090% |
| 69 | 17.716 | 2499 | 2504 | 2509 | rVV  | 235908  | 342661  | 10.80% | 1.052% |
| 70 | 17.769 | 2509 | 2513 | 2520 | rVV  | 269026  | 372260  | 11.73% | 1.143% |
| 71 | 17.845 | 2522 | 2526 | 2531 | rVV3 | 23102   | 37324   | 1.18%  | 0.115% |

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 ClientSampleId :  
 GASP4MEDL

## Integration Parameters: LSCINT.P

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 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

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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-BN012220MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.904 | 2531 | 2536 | 2540 | rVV2 | 171020  | 283072  | 8.92%   | 0.869% |
| 73  | 17.945 | 2540 | 2543 | 2552 | rVB  | 125400  | 195361  | 6.16%   | 0.600% |
| 74  | 18.228 | 2586 | 2591 | 2595 | rVV  | 93035   | 133392  | 4.20%   | 0.410% |
| 75  | 18.269 | 2595 | 2598 | 2604 | rVB3 | 51525   | 68337   | 2.15%   | 0.210% |
| 76  | 18.345 | 2609 | 2611 | 2615 | rBV5 | 13276   | 18240   | 0.57%   | 0.056% |
| 77  | 18.481 | 2630 | 2634 | 2638 | rBV4 | 30671   | 46438   | 1.46%   | 0.143% |
| 78  | 18.528 | 2639 | 2642 | 2646 | rVV2 | 28340   | 35699   | 1.13%   | 0.110% |
| 79  | 18.569 | 2646 | 2649 | 2654 | rVB5 | 15398   | 20084   | 0.63%   | 0.062% |
| 80  | 18.651 | 2658 | 2663 | 2667 | rBV3 | 61226   | 105032  | 3.31%   | 0.322% |
| 81  | 18.710 | 2667 | 2673 | 2676 | rVV3 | 39750   | 76279   | 2.40%   | 0.234% |
| 82  | 18.745 | 2676 | 2679 | 2683 | rVB4 | 23248   | 28588   | 0.90%   | 0.088% |
| 83  | 18.786 | 2683 | 2686 | 2696 | rBV5 | 30511   | 66663   | 2.10%   | 0.205% |
| 84  | 18.910 | 2700 | 2707 | 2714 | rBV2 | 171150  | 256364  | 8.08%   | 0.787% |
| 85  | 18.986 | 2716 | 2720 | 2723 | rBV  | 27917   | 34868   | 1.10%   | 0.107% |
| 86  | 19.016 | 2723 | 2725 | 2729 | rVV4 | 15725   | 18952   | 0.60%   | 0.058% |
| 87  | 19.063 | 2729 | 2733 | 2737 | rVB2 | 47395   | 58195   | 1.83%   | 0.179% |
| 88  | 19.122 | 2740 | 2743 | 2748 | rVB6 | 29749   | 39211   | 1.24%   | 0.120% |
| 89  | 19.245 | 2760 | 2764 | 2766 | rBV  | 128958  | 163624  | 5.16%   | 0.502% |
| 90  | 19.275 | 2766 | 2769 | 2779 | rVB  | 250400  | 344887  | 10.87%  | 1.059% |
| 91  | 19.610 | 2822 | 2826 | 2832 | rBV4 | 34311   | 68920   | 2.17%   | 0.212% |
| 92  | 19.751 | 2845 | 2850 | 2852 | rBV4 | 30002   | 54250   | 1.71%   | 0.167% |
| 93  | 19.775 | 2852 | 2854 | 2862 | rVB  | 43842   | 62482   | 1.97%   | 0.192% |
| 94  | 19.881 | 2869 | 2872 | 2877 | rBV2 | 30093   | 36331   | 1.15%   | 0.112% |
| 95  | 19.939 | 2879 | 2882 | 2886 | rVB2 | 40995   | 48368   | 1.52%   | 0.149% |
| 96  | 20.075 | 2903 | 2905 | 2909 | rVB2 | 29420   | 30049   | 0.95%   | 0.092% |
| 97  | 20.122 | 2910 | 2913 | 2918 | rBV2 | 35938   | 46777   | 1.47%   | 0.144% |
| 98  | 21.051 | 3065 | 3071 | 3076 | rBV  | 2419146 | 3172490 | 100.00% | 9.741% |
| 99  | 21.086 | 3076 | 3077 | 3084 | rVB2 | 109850  | 126063  | 3.97%   | 0.387% |
| 100 | 23.169 | 3425 | 3431 | 3440 | rVB  | 1674063 | 2844416 | 89.66%  | 8.733% |

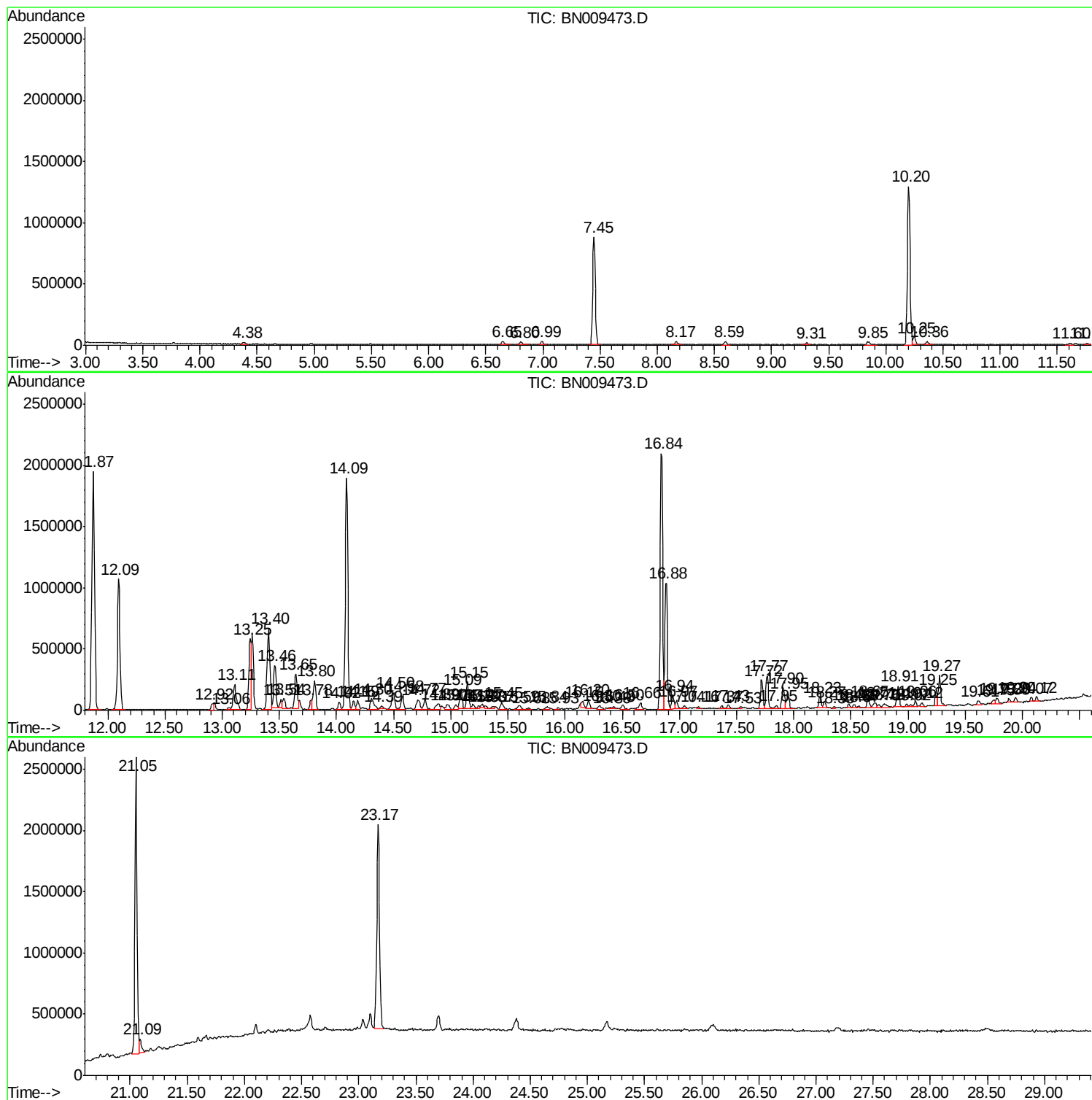
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

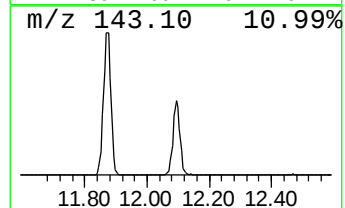
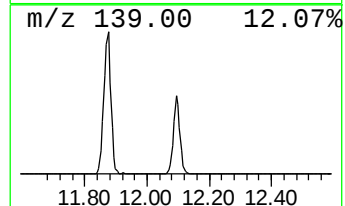
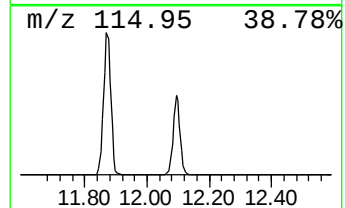
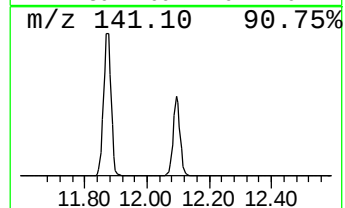
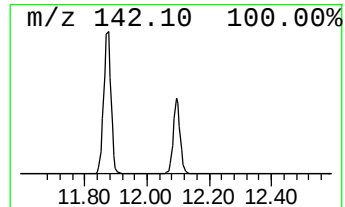
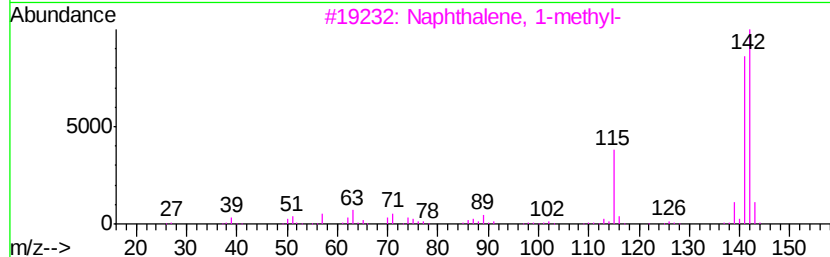
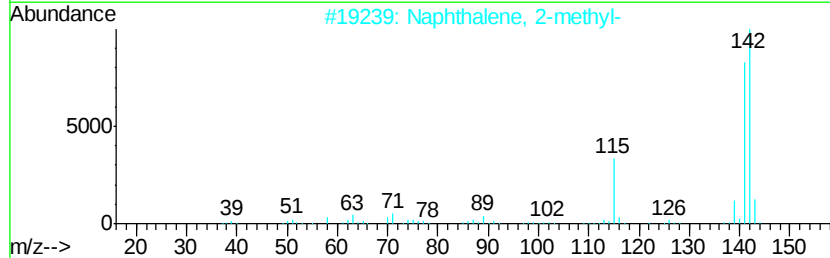
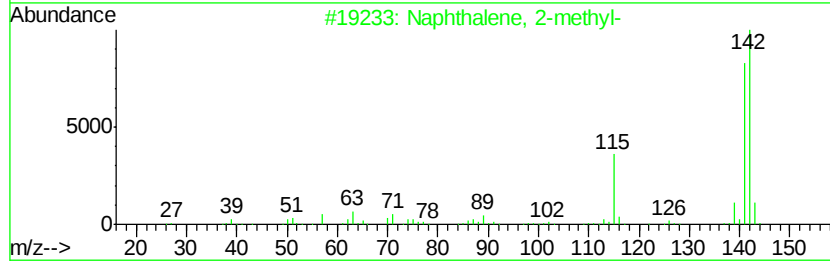
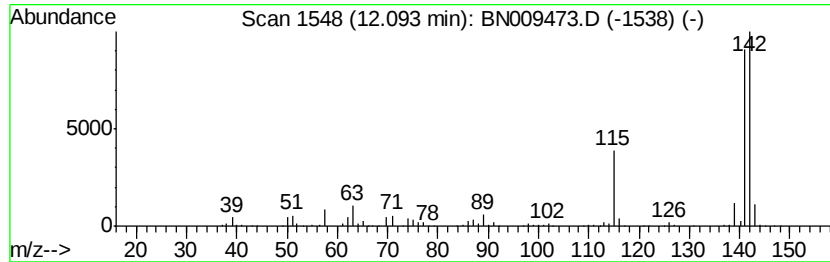
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 12.09 | 16.31 ng/ul | 1670450 | Naphthalene-d8   | 10.20 |

| 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    |    | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 94   |
| 5    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |



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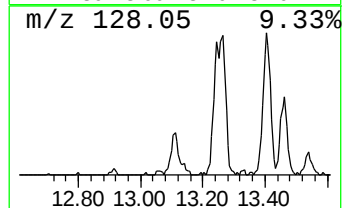
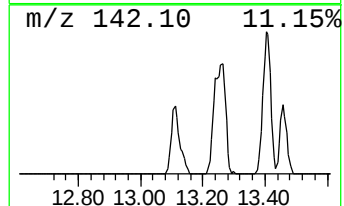
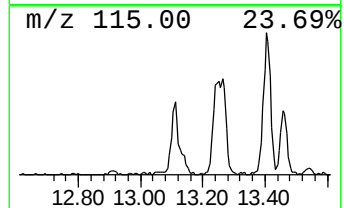
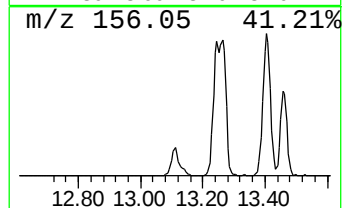
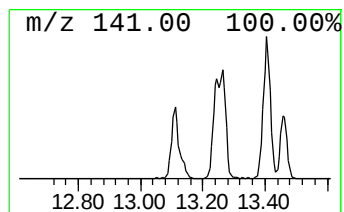
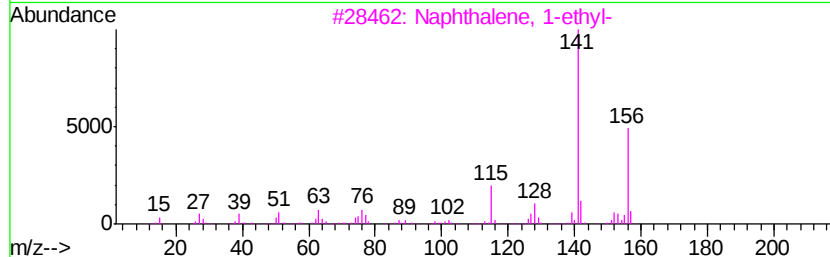
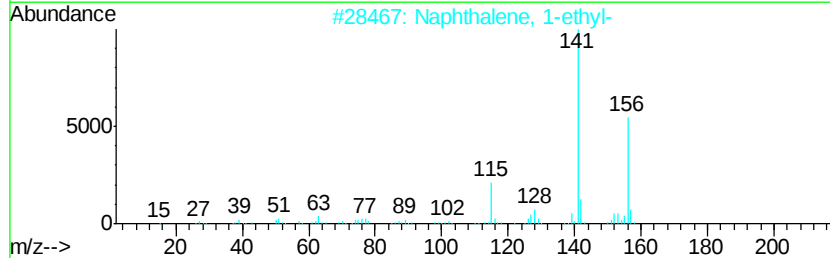
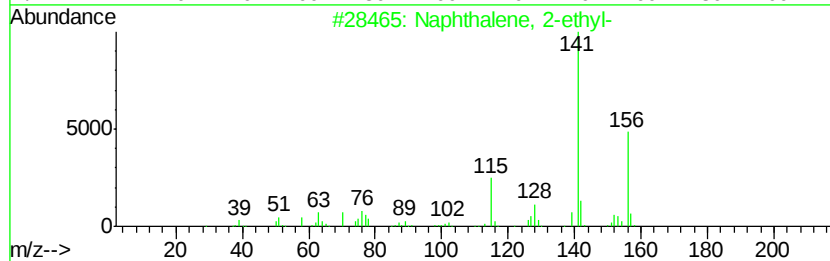
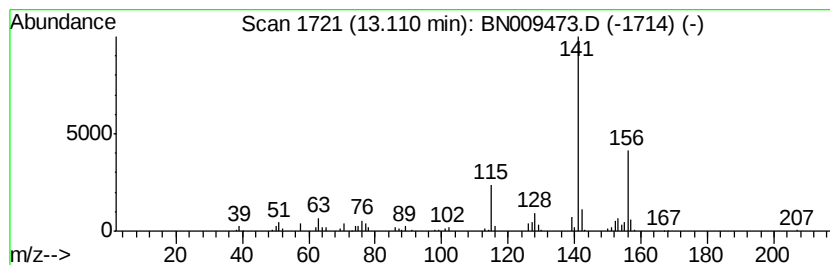
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.11 | 2.88 ng/ul | 406446 | Acenaphthene-d10 | 14.09 |

| 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 | 95   |
| 4    |    | Naphthalene, 2-ethyl- | 156 | C12H12  | 000939-27-5 | 94   |
| 5    |    | Naphthalene, 2-ethyl- | 156 | C12H12  | 000939-27-5 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

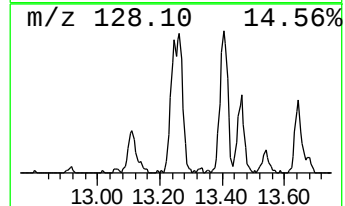
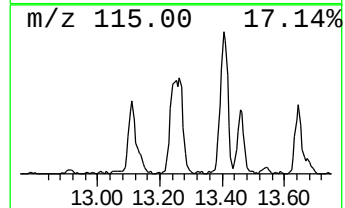
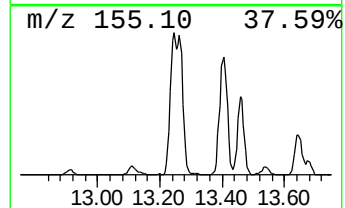
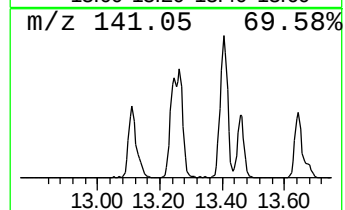
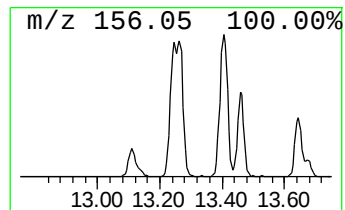
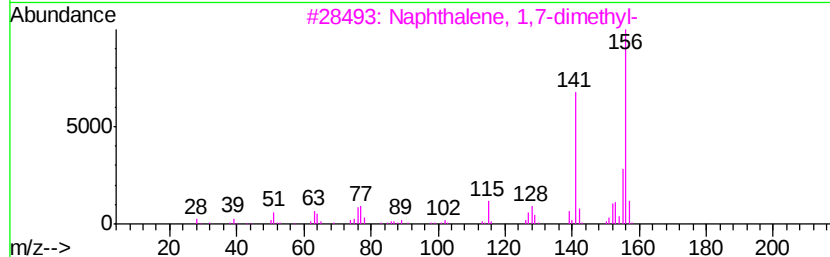
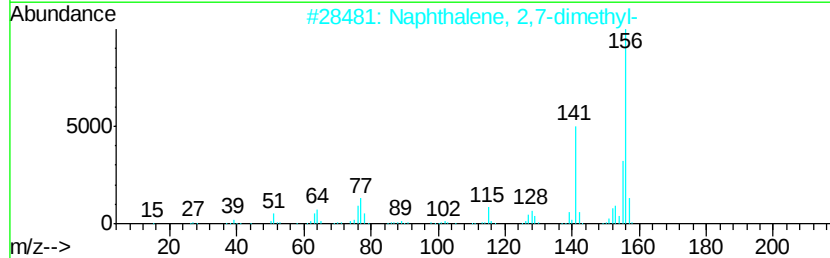
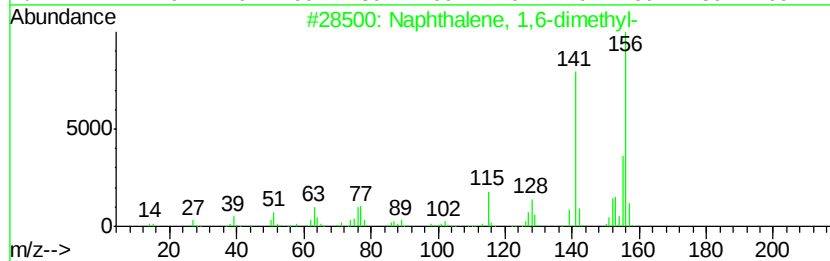
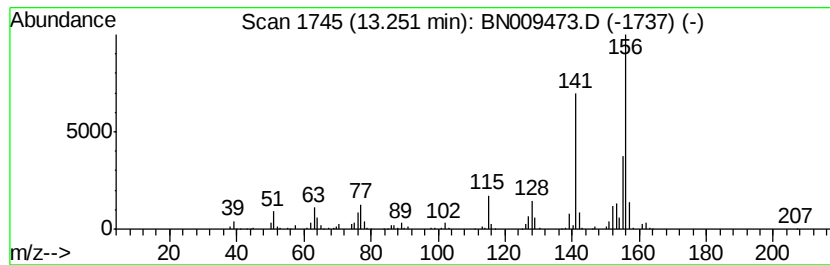
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ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 3

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.25   | 5.71 ng/ul | 805412                     | Acenaphthene-d10 | 14.09          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 98 |
| 2       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12       | 000582-16-1 97 |
| 3       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 97 |
| 4       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 97 |
| 5       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

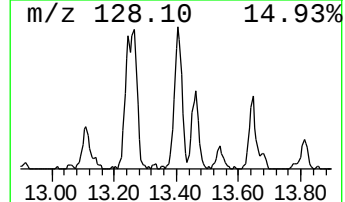
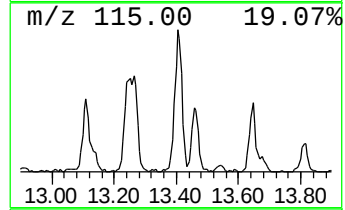
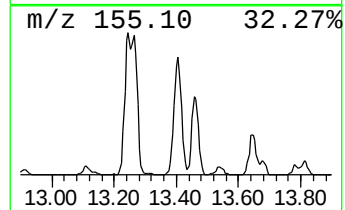
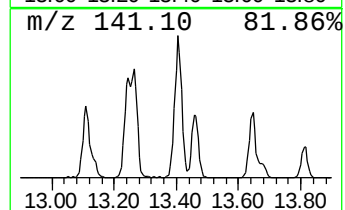
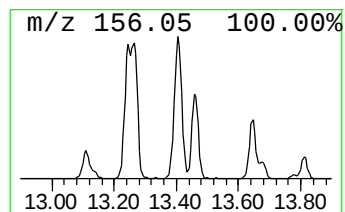
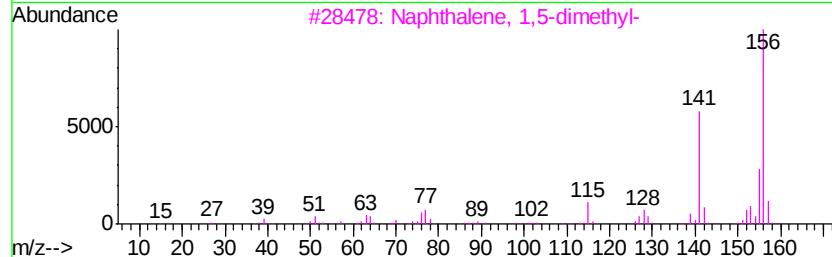
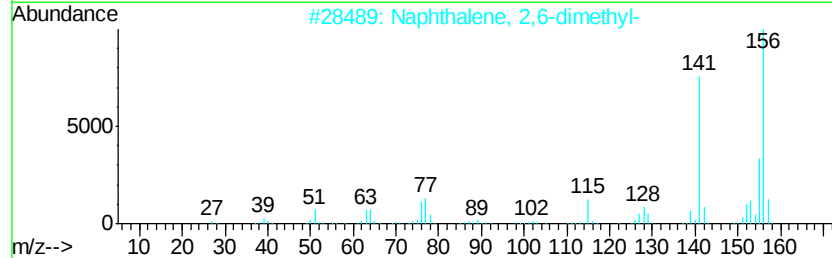
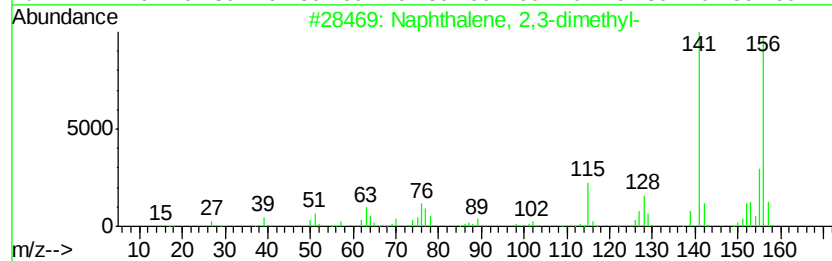
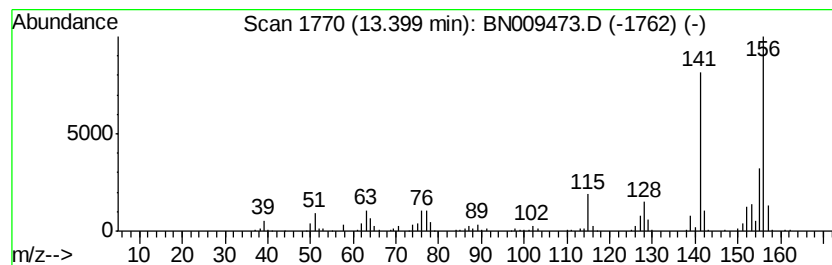
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.40 | 7.96 ng/ul | 1122800 | Acenaphthene-d10 | 14.09 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

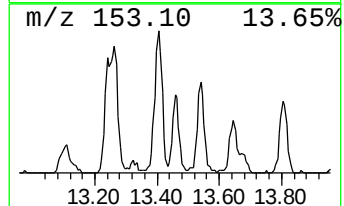
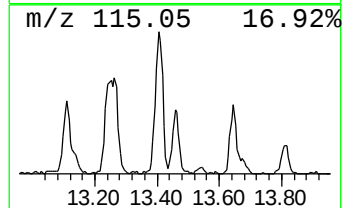
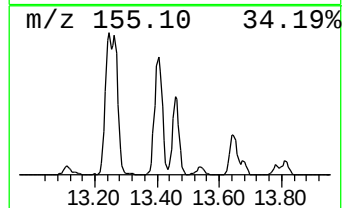
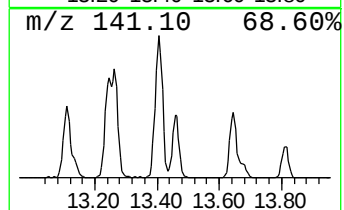
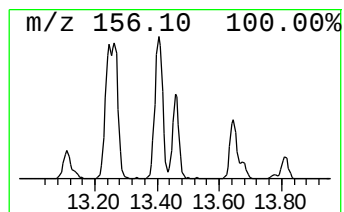
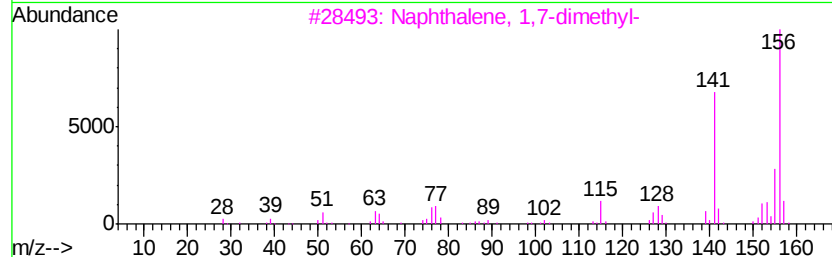
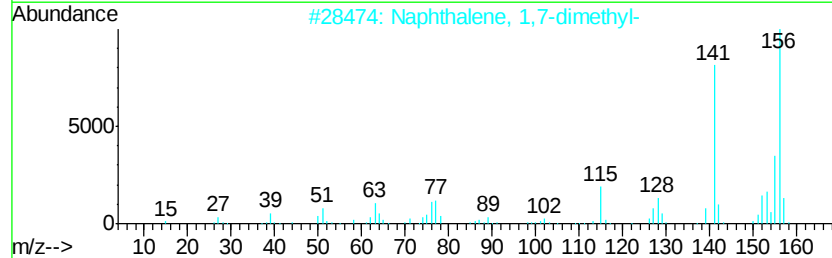
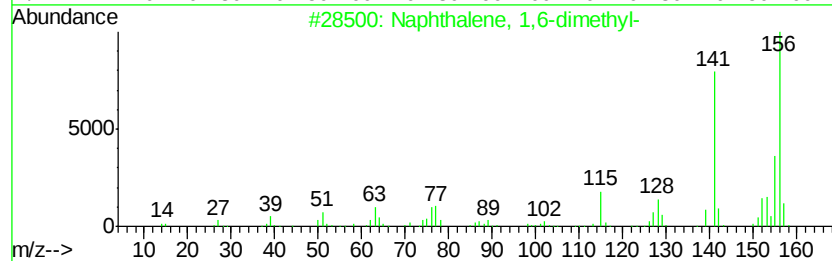
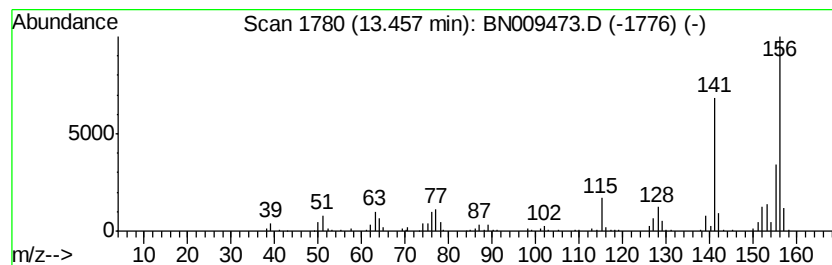
Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 4

| R.T.    | EstConc    | Area                       | Relative to ISTD | R.T.           |
|---------|------------|----------------------------|------------------|----------------|
| 13.46   | 3.53 ng/ul | 497746                     | Acenaphthene-d10 | 14.09          |
| Hit# of | 5          | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 98 |
| 2       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 98 |
| 3       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 97 |
| 4       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 97 |
| 5       |            | Naphthalene, 1,5-dimethyl- | 156 C12H12       | 000571-61-9 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

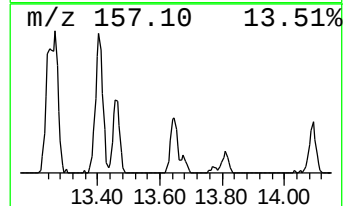
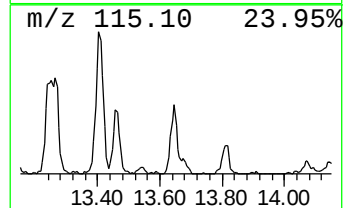
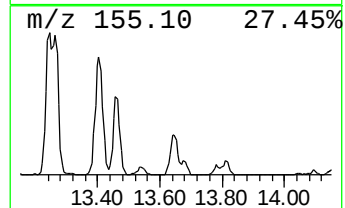
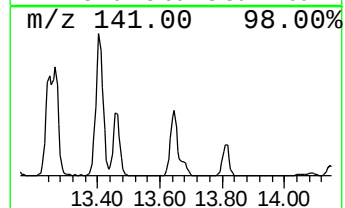
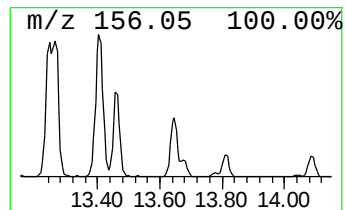
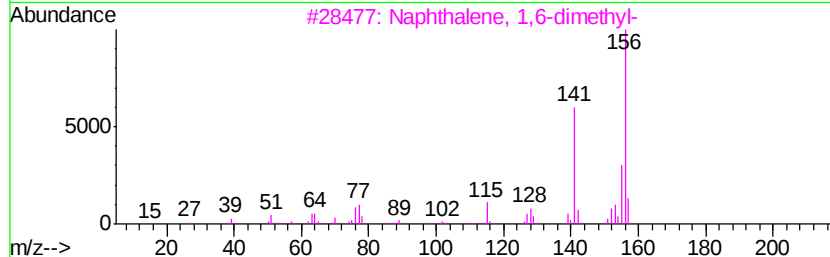
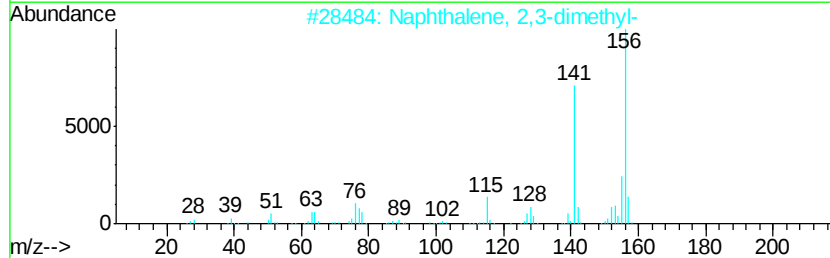
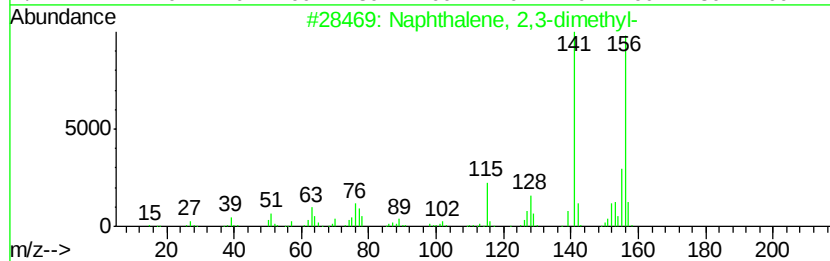
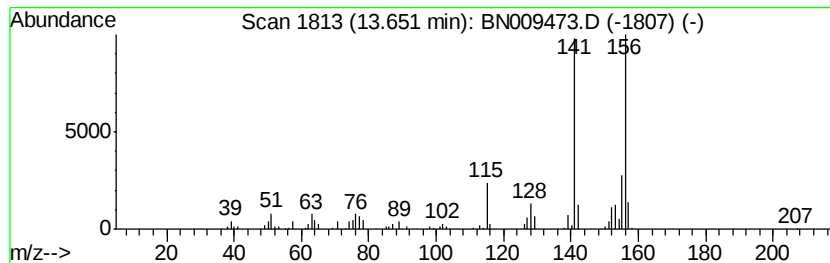
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.65 | 3.09 ng/ul | 435504 | Acenaphthene-d10 | 14.09 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

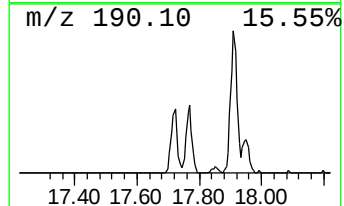
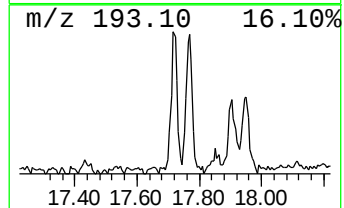
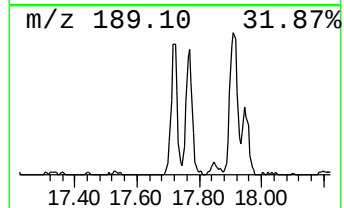
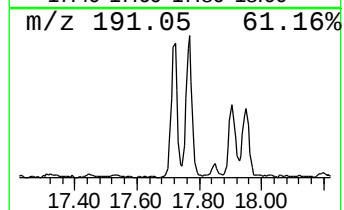
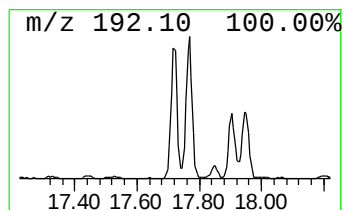
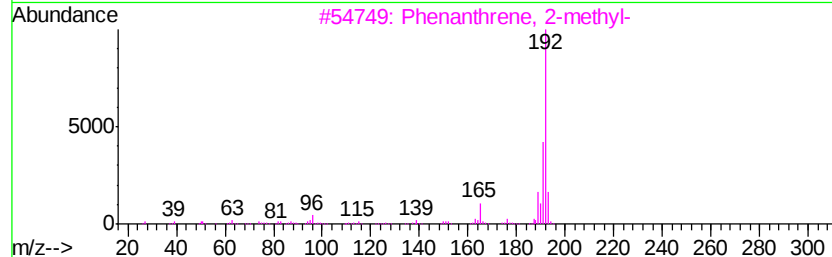
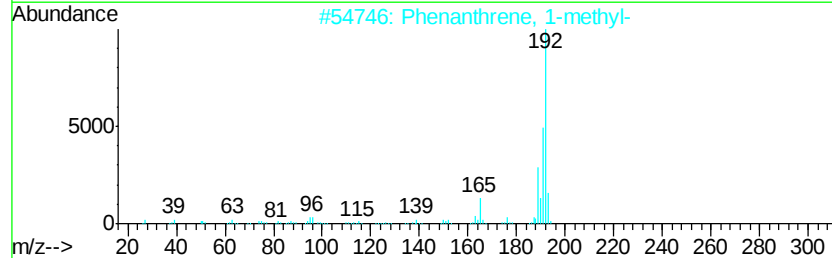
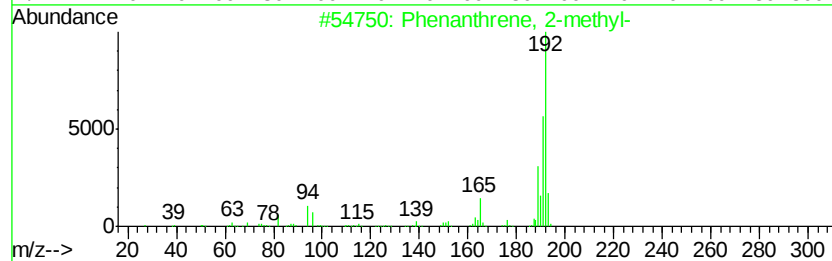
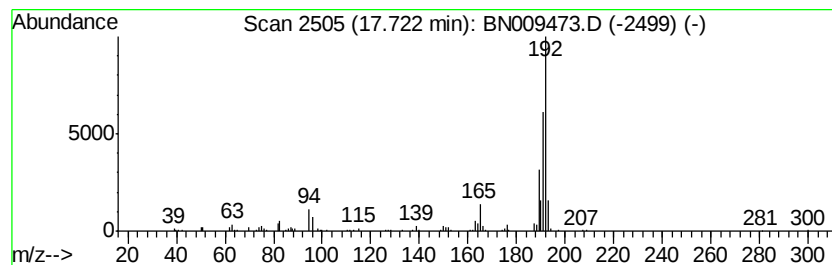
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.72 | 2.33 ng/ul | 342661 | Phenanthrene-d10 | 16.84 |

| 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    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 96   |
| 4    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 96   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION

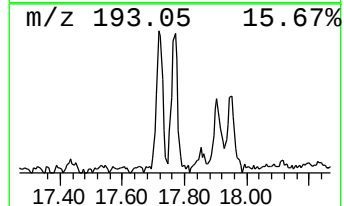
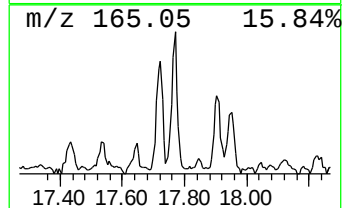
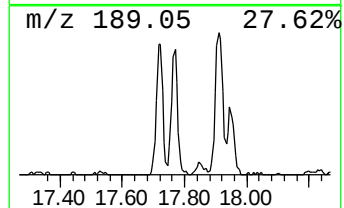
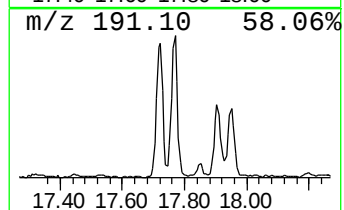
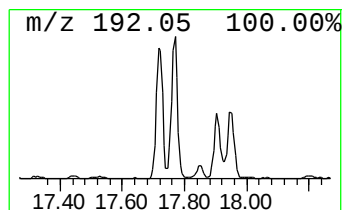
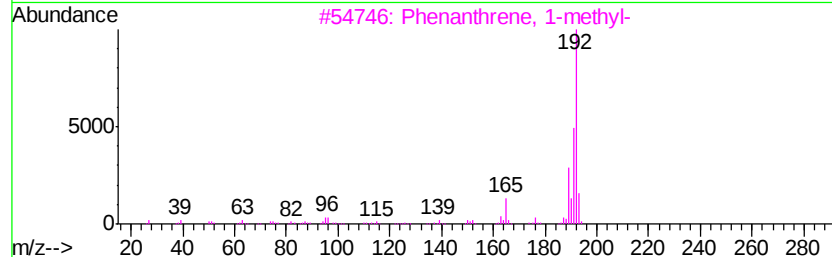
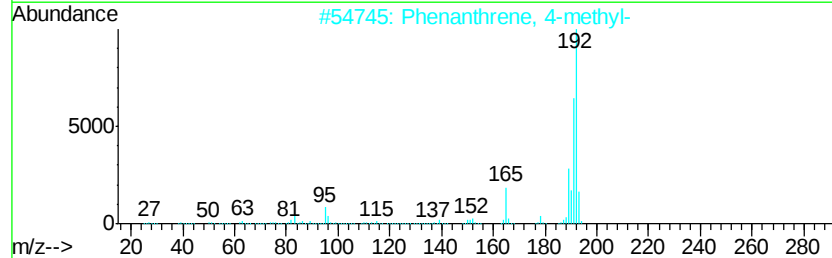
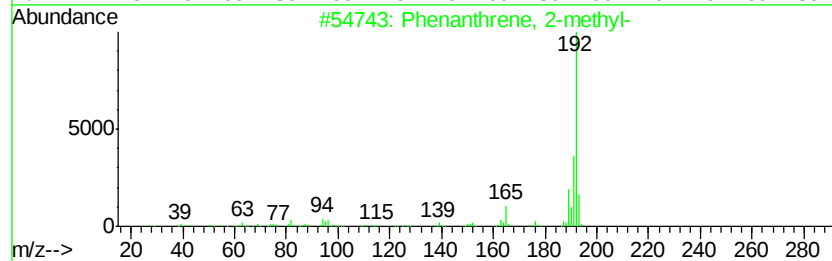
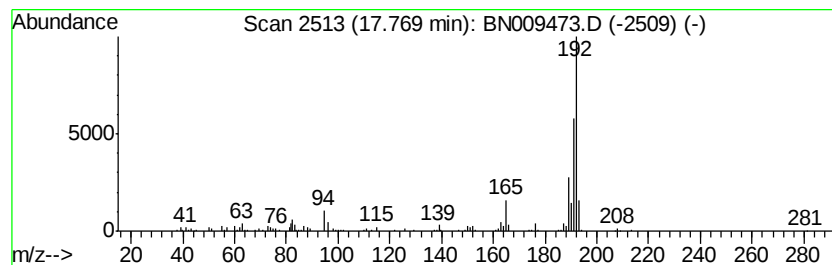
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.77 | 2.53 ng/ul | 372260 | Phenanthrene-d10 | 16.84 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 94   |
| 2    |    | Phenanthrene, 4-methyl- | 192 | C15H12  | 000832-64-4 | 94   |
| 3    |    | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 4    |    | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 93   |
| 5    |    | Anthracene, 1-methyl-   | 192 | C15H12  | 000610-48-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN012820\  
Data File : BN009473.D  
Acq On : 29 Jan 2020 12:48  
Operator : CG/JU  
Sample : L1193-13MEDL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GASP4MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.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 |
| Naphthalene, 1-me... | 12.09 | 16.3    | ng/ul | 1670450  | 2                     | 10.20 | 2048880 | 20.0 |
| Naphthalene, 2-et... | 13.11 | 2.9     | ng/ul | 406446   | 3                     | 14.09 | 2820930 | 20.0 |
| Naphthalene, 1,6-... | 13.25 | 5.7     | ng/ul | 805412   | 3                     | 14.09 | 2820930 | 20.0 |
| Naphthalene, 2,3-... | 13.40 | 8.0     | ng/ul | 1122800  | 3                     | 14.09 | 2820930 | 20.0 |
| Naphthalene, 1,7-... | 13.46 | 3.5     | ng/ul | 497746   | 3                     | 14.09 | 2820930 | 20.0 |
| Naphthalene, 1,5-... | 13.65 | 3.1     | ng/ul | 435504   | 3                     | 14.09 | 2820930 | 20.0 |
| Phenanthrene, 2-m... | 17.72 | 2.3     | ng/ul | 342661   | 4                     | 16.84 | 2942310 | 20.0 |
| Phenanthrene, 4-m... | 17.77 | 2.5     | ng/ul | 372260   | 4                     | 16.84 | 2942310 | 20.0 |