

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051520\  
 Data File : BM026003.D  
 Acq On : 16 May 2020 01:52  
 Operator : MA/SJ  
 Sample : L2655-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0F21

## Integration Parameters: LSCINT.P

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

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM026005.D

| 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         | 3.075       | 29            | 32          | 40           | rBV      | 58673          | 84979         | 1.02%           | 0.104%        |
| 2         | 3.698       | 135           | 138         | 143          | rVB3     | 7593           | 12144         | 0.15%           | 0.015%        |
| 3         | 3.781       | 148           | 152         | 157          | rVB2     | 10628          | 16393         | 0.20%           | 0.020%        |
| 4         | 4.869       | 330           | 337         | 350          | rBV      | 5241262        | 7997831       | 95.69%          | 9.772%        |
| 5         | 5.645       | 466           | 469         | 476          | rBV      | 20933          | 35562         | 0.43%           | 0.043%        |
| 6         | 6.122       | 547           | 550         | 556          | rBV6     | 11599          | 28772         | 0.34%           | 0.035%        |
| 7         | 6.192       | 556           | 562         | 571          | rVB2     | 29534          | 56477         | 0.68%           | 0.069%        |
| 8         | 6.692       | 641           | 647         | 659          | rVB      | 241367         | 375357        | 4.49%           | 0.459%        |
| 9         | 6.851       | 668           | 674         | 683          | rBV      | 886406         | 1343659       | 16.08%          | 1.642%        |
| 10        | 7.045       | 700           | 707         | 721          | rBV      | 890941         | 1402290       | 16.78%          | 1.713%        |
| 11        | 7.398       | 760           | 767         | 777          | rVB      | 612684         | 959803        | 11.48%          | 1.173%        |
| 12        | 7.504       | 777           | 785         | 787          | rBV      | 690896         | 1045428       | 12.51%          | 1.277%        |
| 13        | 7.539       | 787           | 791         | 798          | rVB      | 4184878        | 6244930       | 74.72%          | 7.630%        |
| 14        | 7.851       | 836           | 844         | 852          | rBV      | 5354397        | 8357819       | 100.00%         | 10.212%       |
| 15        | 8.216       | 899           | 906         | 916          | rBV2     | 468801         | 713544        | 8.54%           | 0.872%        |
| 16        | 8.645       | 970           | 979         | 984          | rBV      | 1105419        | 1799337       | 21.53%          | 2.199%        |
| 17        | 8.686       | 984           | 986         | 1000         | rVB      | 208618         | 294147        | 3.52%           | 0.359%        |
| 18        | 8.833       | 1006          | 1011        | 1021         | rBV      | 90835          | 151157        | 1.81%           | 0.185%        |
| 19        | 8.975       | 1032          | 1035        | 1040         | rVB3     | 8830           | 13508         | 0.16%           | 0.017%        |
| 20        | 9.122       | 1053          | 1060        | 1065         | rBV2     | 14505          | 26027         | 0.31%           | 0.032%        |
| 21        | 9.286       | 1085          | 1088        | 1094         | rVB5     | 6207           | 10894         | 0.13%           | 0.013%        |
| 22        | 9.363       | 1094          | 1101        | 1111         | rBV      | 914820         | 1436366       | 17.19%          | 1.755%        |
| 23        | 9.898       | 1185          | 1192        | 1202         | rBV      | 1167257        | 1847388       | 22.10%          | 2.257%        |
| 24        | 10.139      | 1225          | 1233        | 1242         | rBV      | 1756364        | 2762694       | 33.06%          | 3.376%        |
| 25        | 10.269      | 1247          | 1255        | 1262         | rBV      | 903952         | 1443624       | 17.27%          | 1.764%        |
| 26        | 10.410      | 1271          | 1279        | 1287         | rBV      | 91846          | 159127        | 1.90%           | 0.194%        |
| 27        | 10.651      | 1312          | 1320        | 1328         | rBV      | 527151         | 829632        | 9.93%           | 1.014%        |
| 28        | 10.869      | 1350          | 1357        | 1363         | rBV      | 119976         | 199563        | 2.39%           | 0.244%        |
| 29        | 11.080      | 1386          | 1393        | 1406         | rBV      | 320196         | 522160        | 6.25%           | 0.638%        |
| 30        | 11.457      | 1452          | 1457        | 1462         | rBV8     | 7119           | 13986         | 0.17%           | 0.017%        |
| 31        | 11.569      | 1470          | 1476        | 1479         | rBV5     | 8110           | 12220         | 0.15%           | 0.015%        |
| 32        | 11.610      | 1479          | 1483        | 1488         | rVB3     | 14054          | 22046         | 0.26%           | 0.027%        |
| 33        | 11.863      | 1522          | 1526        | 1532         | rVB      | 19075          | 30268         | 0.36%           | 0.037%        |
| 34        | 11.939      | 1534          | 1539        | 1547         | rBV6     | 6711           | 14888         | 0.18%           | 0.018%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.263 | 1587 | 1594 | 1599 | rBV8 | 12554   | 32337   | 0.39%  | 0.040% |
| 36 | 12.321 | 1599 | 1604 | 1609 | rVB  | 44156   | 69462   | 0.83%  | 0.085% |
| 37 | 12.716 | 1668 | 1671 | 1676 | rBV6 | 7005    | 11763   | 0.14%  | 0.014% |
| 38 | 12.763 | 1676 | 1679 | 1684 | rVB4 | 7614    | 10304   | 0.12%  | 0.013% |
| 39 | 12.933 | 1703 | 1708 | 1716 | rBV  | 178444  | 277435  | 3.32%  | 0.339% |
| 40 | 13.568 | 1806 | 1816 | 1821 | rBV  | 2218504 | 3061026 | 36.62% | 3.740% |
| 41 | 13.615 | 1821 | 1824 | 1831 | rVB  | 239987  | 325992  | 3.90%  | 0.398% |
| 42 | 13.839 | 1855 | 1862 | 1871 | rBV  | 2391947 | 3467212 | 41.48% | 4.236% |
| 43 | 13.921 | 1874 | 1876 | 1889 | rVB  | 3727    | 9191    | 0.11%  | 0.011% |
| 44 | 14.151 | 1908 | 1915 | 1926 | rVB  | 1240874 | 1775994 | 21.25% | 2.170% |
| 45 | 14.362 | 1944 | 1951 | 1964 | rBV  | 216867  | 343608  | 4.11%  | 0.420% |
| 46 | 15.151 | 2078 | 2085 | 2089 | rBV  | 3268588 | 4523733 | 54.13% | 5.527% |
| 47 | 15.192 | 2089 | 2092 | 2100 | rVV  | 211772  | 286970  | 3.43%  | 0.351% |
| 48 | 15.274 | 2100 | 2106 | 2120 | rVV  | 1371001 | 1807516 | 21.63% | 2.209% |
| 49 | 15.392 | 2121 | 2126 | 2131 | rVB2 | 35453   | 52169   | 0.62%  | 0.064% |
| 50 | 15.939 | 2215 | 2219 | 2226 | rVB4 | 13175   | 21302   | 0.25%  | 0.026% |
| 51 | 16.456 | 2303 | 2307 | 2311 | rBV3 | 13151   | 16087   | 0.19%  | 0.020% |
| 52 | 16.580 | 2322 | 2328 | 2334 | rVB9 | 7784    | 11394   | 0.14%  | 0.014% |
| 53 | 16.686 | 2342 | 2346 | 2349 | rBV3 | 6396    | 8381    | 0.10%  | 0.010% |
| 54 | 16.898 | 2375 | 2382 | 2389 | rBV  | 1495104 | 2050320 | 24.53% | 2.505% |
| 55 | 16.998 | 2391 | 2399 | 2413 | rBV  | 3595895 | 4837107 | 57.88% | 5.910% |
| 56 | 17.262 | 2441 | 2444 | 2455 | rBV8 | 4580    | 11688   | 0.14%  | 0.014% |
| 57 | 17.821 | 2534 | 2539 | 2545 | rBV2 | 53178   | 81352   | 0.97%  | 0.099% |
| 58 | 17.880 | 2548 | 2549 | 2555 | rVB2 | 8481    | 10675   | 0.13%  | 0.013% |
| 59 | 18.274 | 2608 | 2616 | 2622 | rBV  | 207500  | 282363  | 3.38%  | 0.345% |
| 60 | 18.697 | 2685 | 2688 | 2693 | rBV7 | 9172    | 10932   | 0.13%  | 0.013% |
| 61 | 18.786 | 2699 | 2703 | 2707 | rVB  | 47121   | 54658   | 0.65%  | 0.067% |
| 62 | 18.927 | 2723 | 2727 | 2732 | rBV  | 51433   | 71429   | 0.85%  | 0.087% |
| 63 | 19.115 | 2755 | 2759 | 2764 | rBV4 | 25607   | 36945   | 0.44%  | 0.045% |
| 64 | 19.180 | 2766 | 2770 | 2778 | rVB  | 35266   | 52831   | 0.63%  | 0.065% |
| 65 | 19.297 | 2783 | 2790 | 2797 | rBV  | 4691473 | 5958662 | 71.29% | 7.281% |
| 66 | 19.727 | 2861 | 2863 | 2868 | rVB5 | 8807    | 9107    | 0.11%  | 0.011% |
| 67 | 20.839 | 3048 | 3052 | 3057 | rBV  | 107029  | 135427  | 1.62%  | 0.165% |
| 68 | 21.091 | 3090 | 3095 | 3101 | rBV  | 1981364 | 2316987 | 27.72% | 2.831% |
| 69 | 21.209 | 3112 | 3115 | 3121 | rBV  | 166929  | 179073  | 2.14%  | 0.219% |
| 70 | 21.703 | 3196 | 3199 | 3204 | rBV3 | 50454   | 65409   | 0.78%  | 0.080% |
| 71 | 22.144 | 3271 | 3274 | 3278 | rBV2 | 81373   | 97444   | 1.17%  | 0.119% |

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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C0F21

## Integration Parameters: LSCINT.P

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Sampling : 1  
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Max Peaks: 100  
Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 22.621 | 3352 | 3355 | 3363 | rVB2 | 104231  | 147925  | 1.77%  | 0.181% |
| 73 | 23.085 | 3427 | 3434 | 3442 | rBV  | 3644110 | 6046545 | 72.35% | 7.388% |
| 74 | 23.156 | 3442 | 3446 | 3450 | rVV  | 149867  | 235568  | 2.82%  | 0.288% |
| 75 | 23.215 | 3450 | 3456 | 3466 | rVB  | 1366054 | 2402200 | 28.74% | 2.935% |
| 76 | 23.462 | 3495 | 3498 | 3504 | rVB  | 129445  | 203861  | 2.44%  | 0.249% |
| 77 | 23.756 | 3545 | 3548 | 3554 | rVB  | 111783  | 168247  | 2.01%  | 0.206% |

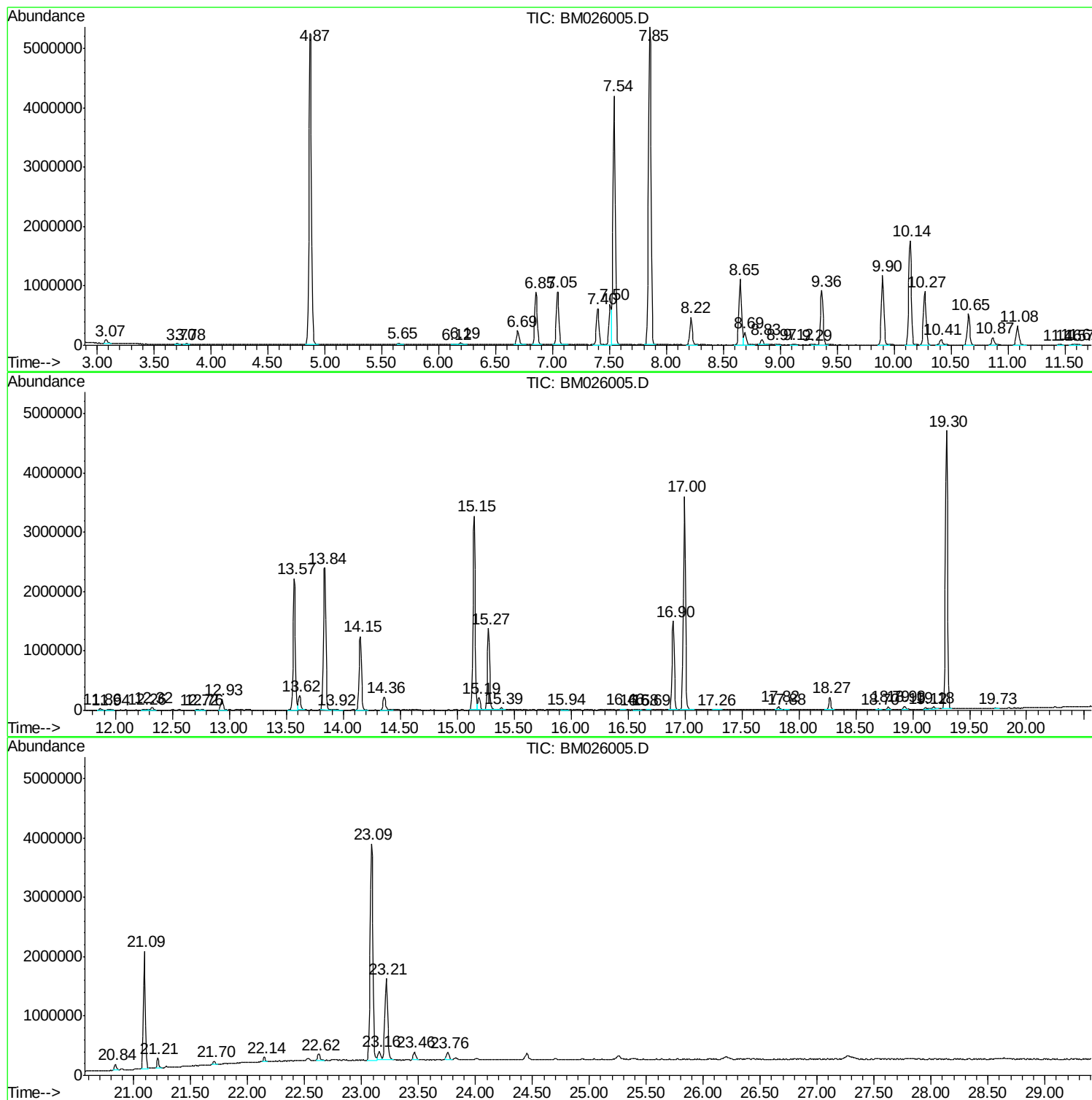
Sum of corrected areas: 81842651

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

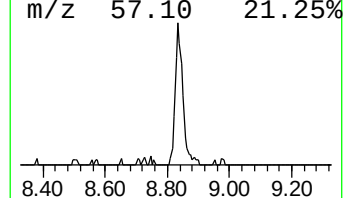
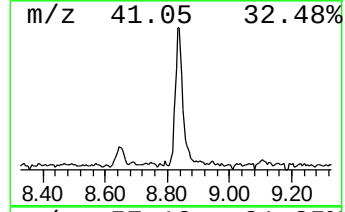
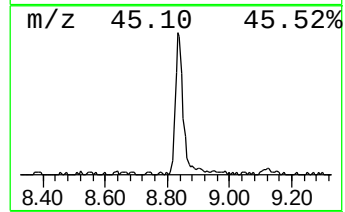
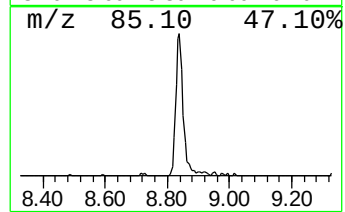
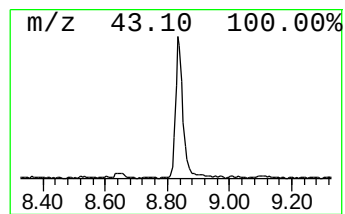
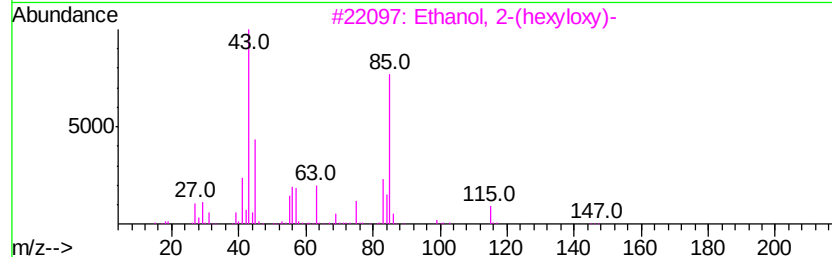
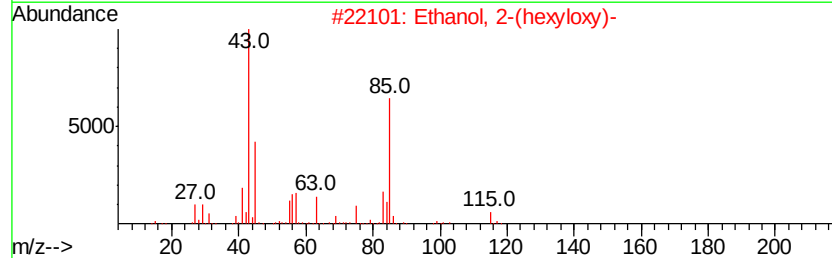
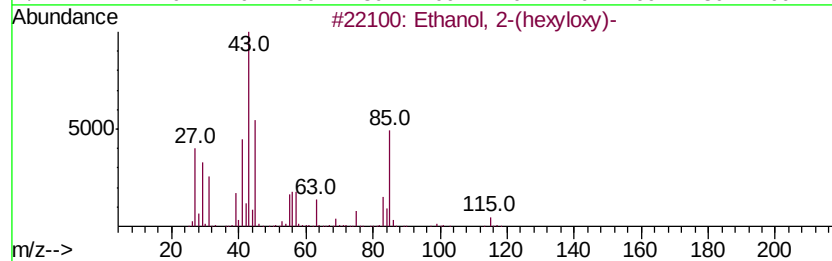
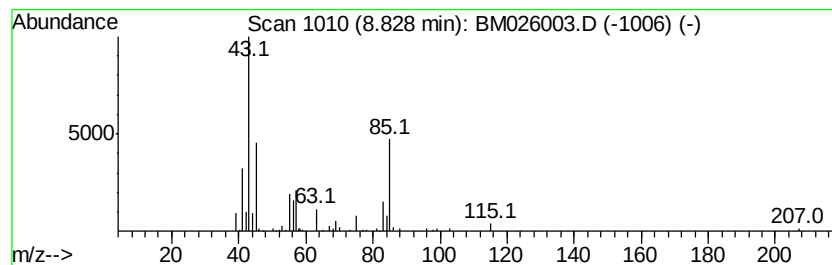
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Ethanol, 2-(hexyloxy)- Concentration Rank 7

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 8.83 | 2.89 ng/ul | 151157 | 1,4-Dichlorobenzene-d4 | 7.50 |

| Hit# | of | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------|-----|----------|--------------|------|
| 1    | 5  | Ethanol, 2-(hexyloxy)-        | 146 | C8H18O2  | 000112-25-4  | 90   |
| 2    |    | Ethanol, 2-(hexyloxy)-        | 146 | C8H18O2  | 000112-25-4  | 83   |
| 3    |    | Ethanol, 2-(hexyloxy)-        | 146 | C8H18O2  | 000112-25-4  | 50   |
| 4    |    | Oxalic acid, diisohexyl ester | 258 | C14H26O4 | 1000309-32-9 | 47   |
| 5    |    | Hexane, 1-(3-butenyloxy)-     | 156 | C10H20O  | 107995-55-1  | 47   |



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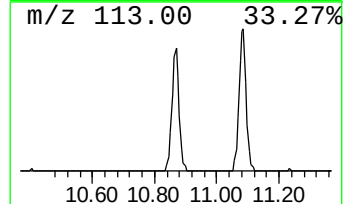
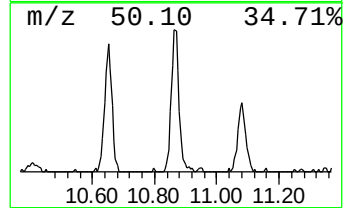
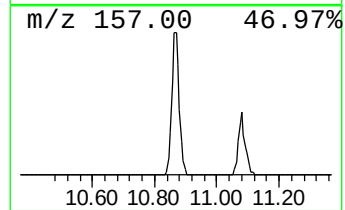
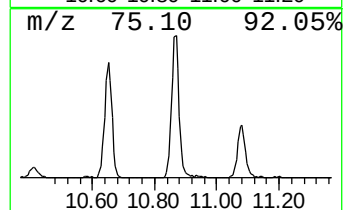
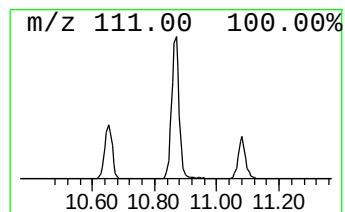
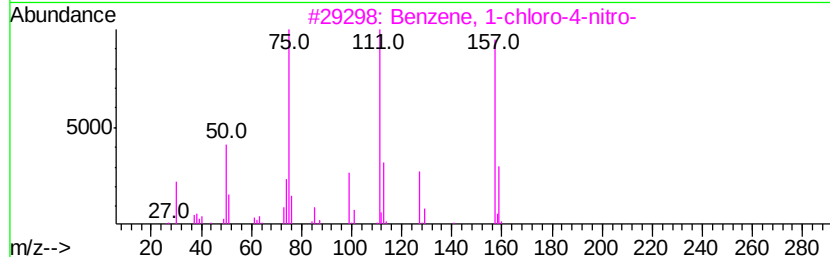
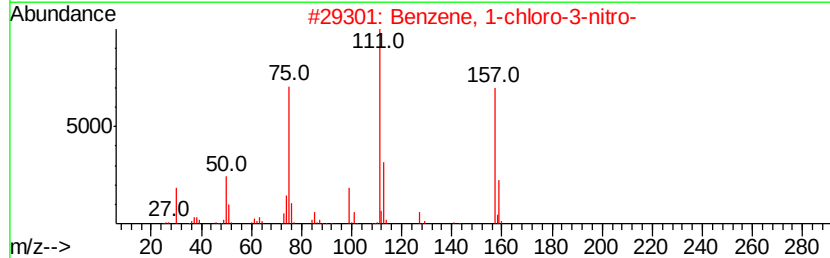
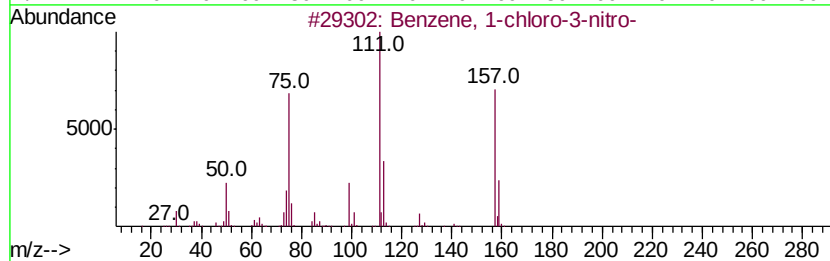
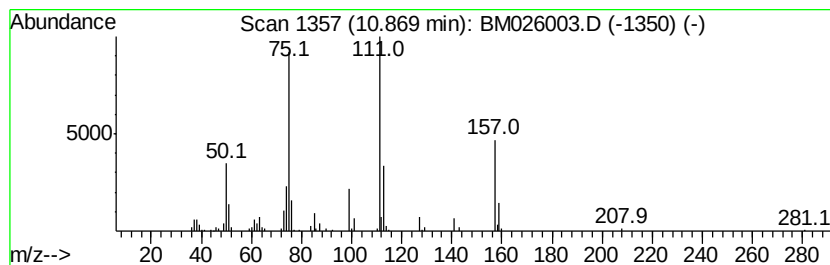
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Benzene, 1-chloro-3-nitro- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.87 | 2.76 ng/ul | 199563 | Naphthalene-d8   | 10.27 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 97   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 95   |
| 3    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 93   |
| 4    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 90   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

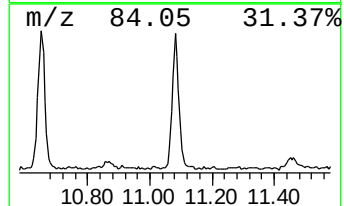
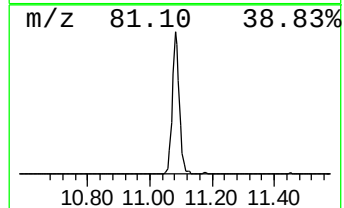
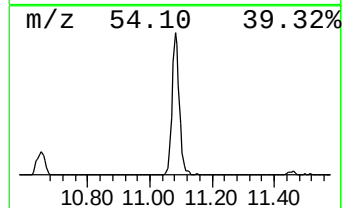
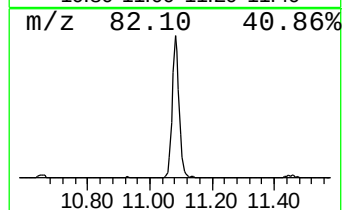
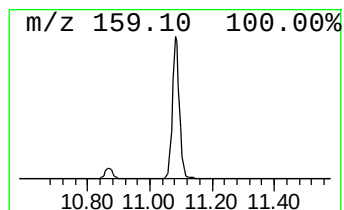
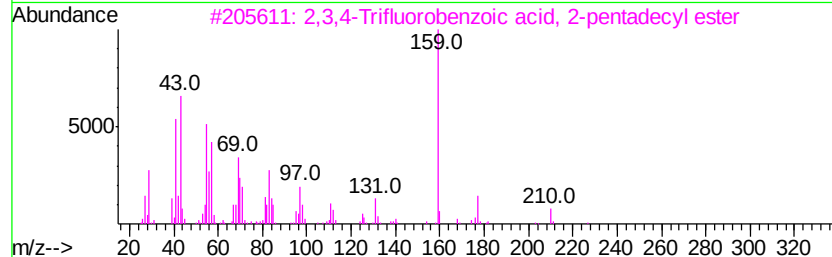
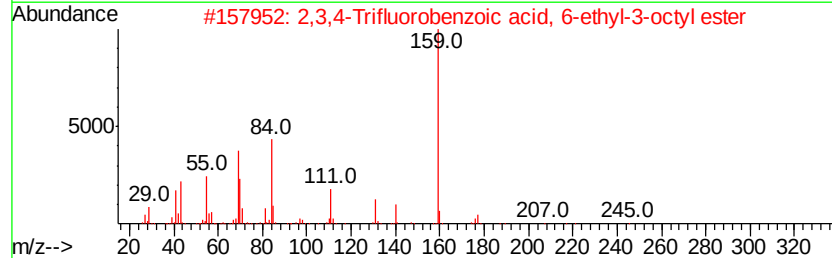
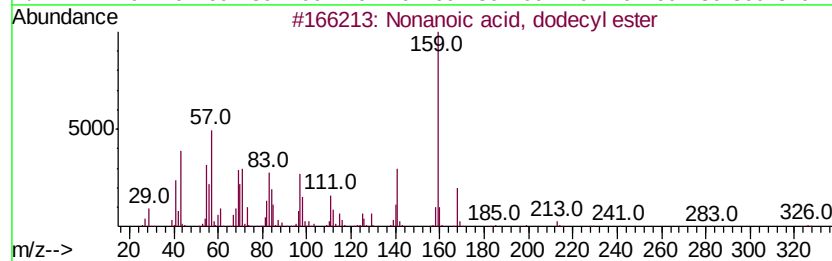
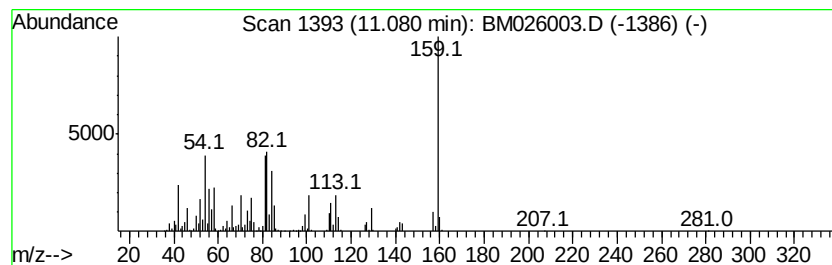
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown-01 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.08 | 7.23 ng/ul | 522160 | Naphthalene-d8   | 10.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Nonanoic acid, dodecyl ester        | 326 | C21H42O2   | 1000340-27-9 | 35   |
| 2    |    | 2,3,4-Trifluorobenzoic acid, 6-e... | 316 | C17H23F3O2 | 1000282-58-3 | 25   |
| 3    |    | 2,3,4-Trifluorobenzoic acid, 2-p... | 386 | C22H33F3O2 | 1000280-62-1 | 25   |
| 4    |    | 2,3,4-Trifluorobenzoic acid, und... | 328 | C18H23F3O2 | 1000280-45-0 | 22   |
| 5    |    | 2,4-Difluorobenzoic acid, tridec... | 340 | C20H30F2O2 | 1000338-79-1 | 16   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051520\  
Data File : BM026003.D  
Acq On : 16 May 2020 01:52  
Operator : MA/SJ  
Sample : L2655-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

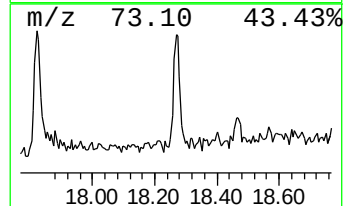
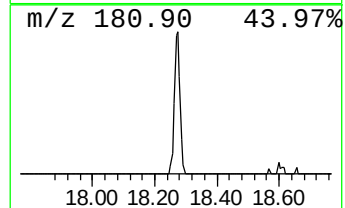
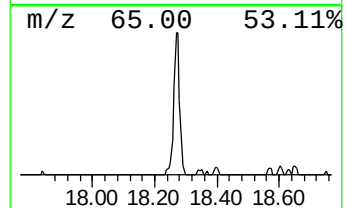
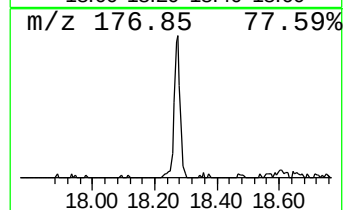
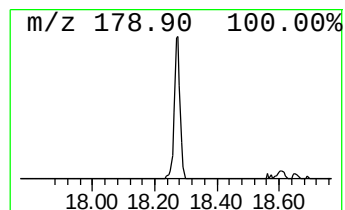
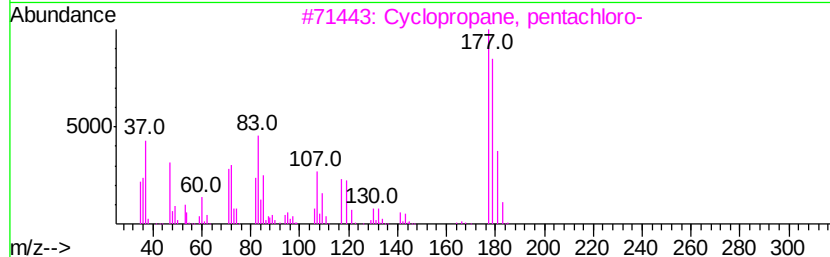
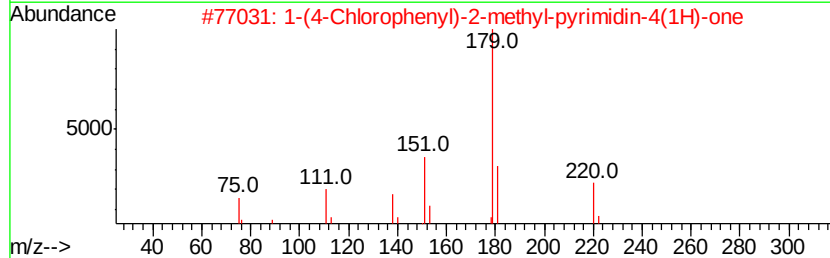
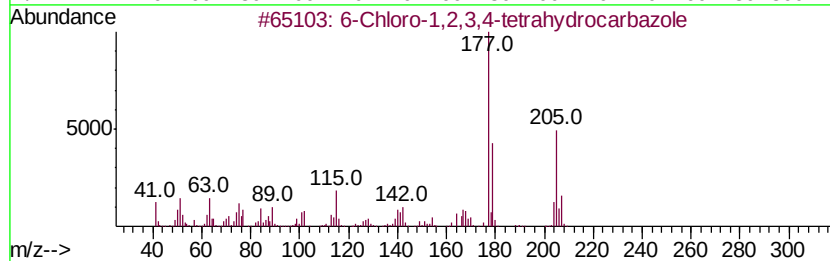
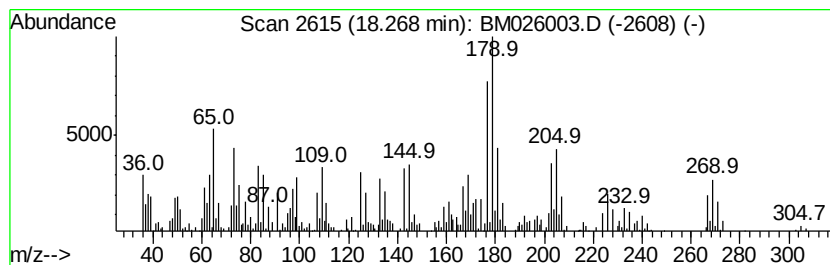
Instrument :  
BNA\_M  
ClientSampleId :  
C0F21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 9 unknown-02 Concentration Rank 9

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 18.27   | 2.75 ng/ul                          | 282363         | Phenanthrene-d10 | 16.90     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 6-Chloro-1,2,3,4-tetrahydrocarba... | 205 C12H12ClN  | 036684-65-8      | 25        |
| 2       | 1-(4-Chlorophenyl)-2-methyl-pyri... | 220 C11H9ClN2O | 109853-47-6      | 16        |
| 3       | Cyclopropane, pentachloro-          | 212 C3HCl5     | 006262-51-7      | 16        |
| 4       | Benzoic acid, 4-nitro-              | 167 C7H5NO4    | 000062-23-7      | 15        |
| 5       | Benzoic acid, 2-chloro-5-tetrazo... | 238 C9H7ClN4O2 | 1000310-73-5     | 11        |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM051520\  
Data File : BM026003.D  
Acq On : 16 May 2020 01:52  
Operator : MA/SJ  
Sample : L2655-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0F21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.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 |
| Ethanol, 2-(hexyl... | 8.83  | 2.9     | ng/ul | 151157   | 1                     | 7.50  | 1045430 | 20.0 |
| Benzene, 1-chloro... | 10.87 | 2.8     | ng/ul | 199563   | 2                     | 10.27 | 1443620 | 20.0 |
| unknown-01           | 11.08 | 7.2     | ng/ul | 522160   | 2                     | 10.27 | 1443620 | 20.0 |
| unknown-02           | 18.27 | 2.8     | ng/ul | 282363   | 4                     | 16.90 | 2050320 | 20.0 |