

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091020\  
 Data File : BM027398.D  
 Acq On : 11 Sep 2020 11:04  
 Operator : JU/CG  
 Sample : L3961-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F4Y30

## 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-BM090420MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.128    | 21         | 24       | 28        | rVB   | 36052       | 42069      | 0.82%        | 0.099%     |
| 2      | 3.393    | 66         | 69       | 73        | rBV3  | 15987       | 24810      | 0.48%        | 0.059%     |
| 3      | 3.434    | 73         | 76       | 86        | rVB2  | 24121       | 39327      | 0.77%        | 0.093%     |
| 4      | 3.734    | 123        | 127      | 140       | rVB6  | 28708       | 71591      | 1.40%        | 0.169%     |
| 5      | 3.887    | 150        | 153      | 159       | rVB   | 40418       | 55392      | 1.08%        | 0.131%     |
| 6      | 4.116    | 189        | 192      | 196       | rBV2  | 14856       | 19612      | 0.38%        | 0.046%     |
| 7      | 4.163    | 196        | 200      | 207       | rVB   | 26192       | 33694      | 0.66%        | 0.080%     |
| 8      | 4.746    | 295        | 299      | 305       | rVB7  | 6407        | 11977      | 0.23%        | 0.028%     |
| 9      | 6.599    | 611        | 614      | 617       | rBV5  | 4885        | 8524       | 0.17%        | 0.020%     |
| 10     | 6.628    | 617        | 619      | 624       | rVB3  | 6253        | 9927       | 0.19%        | 0.023%     |
| 11     | 6.746    | 633        | 639      | 652       | rVB   | 136893      | 247955     | 4.84%        | 0.586%     |
| 12     | 6.910    | 661        | 667      | 676       | rVB   | 459553      | 724203     | 14.13%       | 1.710%     |
| 13     | 7.104    | 692        | 700      | 711       | rBV   | 547997      | 868797     | 16.96%       | 2.052%     |
| 14     | 7.210    | 714        | 718      | 726       | rVB5  | 9413        | 15832      | 0.31%        | 0.037%     |
| 15     | 7.428    | 750        | 755      | 760       | rVB   | 21242       | 32384      | 0.63%        | 0.076%     |
| 16     | 7.563    | 772        | 778      | 788       | rVB   | 473696      | 725595     | 14.16%       | 1.714%     |
| 17     | 7.646    | 788        | 792      | 798       | rVB3  | 10784       | 16925      | 0.33%        | 0.040%     |
| 18     | 8.269    | 892        | 898      | 912       | rBV   | 437960      | 696820     | 13.60%       | 1.646%     |
| 19     | 8.510    | 934        | 939      | 944       | rBV2  | 6511        | 9768       | 0.19%        | 0.023%     |
| 20     | 8.651    | 960        | 963      | 966       | rBV4  | 7817        | 12106      | 0.24%        | 0.029%     |
| 21     | 8.704    | 966        | 972      | 986       | rVB   | 635534      | 1042129    | 20.34%       | 2.461%     |
| 22     | 8.851    | 993        | 997      | 1002      | rBV4  | 3789        | 6971       | 0.14%        | 0.016%     |
| 23     | 9.187    | 1047       | 1054     | 1057      | rBV4  | 4917        | 9287       | 0.18%        | 0.022%     |
| 24     | 9.422    | 1085       | 1094     | 1104      | rBV   | 566344      | 912730     | 17.81%       | 2.156%     |
| 25     | 9.693    | 1136       | 1140     | 1145      | rBV6  | 3278        | 7593       | 0.15%        | 0.018%     |
| 26     | 9.957    | 1178       | 1185     | 1197      | rBV   | 927053      | 1562388    | 30.49%       | 3.690%     |
| 27     | 10.334   | 1242       | 1249     | 1257      | rVB   | 615094      | 1020142    | 19.91%       | 2.409%     |
| 28     | 10.469   | 1266       | 1272     | 1286      | rBV   | 129846      | 243891     | 4.76%        | 0.576%     |
| 29     | 10.992   | 1352       | 1361     | 1366      | rBV6  | 4305        | 8987       | 0.18%        | 0.021%     |
| 30     | 11.251   | 1398       | 1405     | 1412      | rBV2  | 48324       | 110046     | 2.15%        | 0.260%     |
| 31     | 11.810   | 1496       | 1500     | 1505      | rBV3  | 5521        | 8680       | 0.17%        | 0.020%     |
| 32     | 11.934   | 1516       | 1521     | 1527      | rVB3  | 12039       | 21157      | 0.41%        | 0.050%     |
| 33     | 12.004   | 1527       | 1533     | 1545      | rBV4  | 18245       | 55997      | 1.09%        | 0.132%     |
| 34     | 12.822   | 1667       | 1672     | 1676      | rBV4  | 5353        | 8362       | 0.16%        | 0.020%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.051 | 1704 | 1711 | 1717 | rBV  | 107335  | 147204  | 2.87%  | 0.348% |
| 36 | 13.122 | 1717 | 1723 | 1728 | rVV5 | 8533    | 18265   | 0.36%  | 0.043% |
| 37 | 13.181 | 1728 | 1733 | 1737 | rVB7 | 5508    | 8457    | 0.17%  | 0.020% |
| 38 | 13.622 | 1802 | 1808 | 1813 | rBV  | 1835928 | 2495087 | 48.70% | 5.892% |
| 39 | 13.669 | 1813 | 1816 | 1824 | rVB  | 232971  | 300043  | 5.86%  | 0.709% |
| 40 | 13.892 | 1844 | 1854 | 1868 | rBV  | 1954710 | 2818484 | 55.01% | 6.656% |
| 41 | 14.204 | 1900 | 1907 | 1915 | rBV  | 1080352 | 1560282 | 30.45% | 3.685% |
| 42 | 14.416 | 1938 | 1943 | 1958 | rBV  | 95988   | 194534  | 3.80%  | 0.459% |
| 43 | 14.651 | 1977 | 1983 | 1989 | rVB5 | 8298    | 14912   | 0.29%  | 0.035% |
| 44 | 14.739 | 1993 | 1998 | 2007 | rVB2 | 16967   | 34029   | 0.66%  | 0.080% |
| 45 | 14.969 | 2031 | 2037 | 2043 | rBV  | 156840  | 200516  | 3.91%  | 0.474% |
| 46 | 15.039 | 2043 | 2049 | 2053 | rVB4 | 13360   | 21927   | 0.43%  | 0.052% |
| 47 | 15.204 | 2070 | 2077 | 2089 | rBV  | 2674656 | 3630126 | 70.85% | 8.573% |
| 48 | 15.327 | 2092 | 2098 | 2112 | rBV  | 869477  | 1174295 | 22.92% | 2.773% |
| 49 | 15.445 | 2112 | 2118 | 2124 | rVB3 | 40237   | 57237   | 1.12%  | 0.135% |
| 50 | 15.580 | 2138 | 2141 | 2146 | rVV4 | 7964    | 11254   | 0.22%  | 0.027% |
| 51 | 15.627 | 2146 | 2149 | 2156 | rVB6 | 6266    | 8639    | 0.17%  | 0.020% |
| 52 | 15.780 | 2170 | 2175 | 2180 | rBV7 | 6295    | 9778    | 0.19%  | 0.023% |
| 53 | 15.986 | 2207 | 2210 | 2216 | rVB4 | 9963    | 14139   | 0.28%  | 0.033% |
| 54 | 16.122 | 2228 | 2233 | 2239 | rBV3 | 36111   | 53465   | 1.04%  | 0.126% |
| 55 | 16.321 | 2260 | 2267 | 2269 | rBV7 | 4835    | 10140   | 0.20%  | 0.024% |
| 56 | 16.374 | 2275 | 2276 | 2283 | rVB6 | 4272    | 6281    | 0.12%  | 0.015% |
| 57 | 16.469 | 2288 | 2292 | 2301 | rBV  | 38582   | 63079   | 1.23%  | 0.149% |
| 58 | 16.639 | 2317 | 2321 | 2326 | rVB7 | 4215    | 6544    | 0.13%  | 0.015% |
| 59 | 16.751 | 2334 | 2340 | 2347 | rBV4 | 29928   | 54697   | 1.07%  | 0.129% |
| 60 | 16.951 | 2368 | 2374 | 2384 | rVB  | 1455126 | 1949423 | 38.05% | 4.604% |
| 61 | 17.051 | 2384 | 2391 | 2400 | rBV  | 3150523 | 4208481 | 82.14% | 9.939% |
| 62 | 17.151 | 2406 | 2408 | 2412 | rVB5 | 5424    | 5917    | 0.12%  | 0.014% |
| 63 | 17.257 | 2423 | 2426 | 2429 | rVB  | 11677   | 11238   | 0.22%  | 0.027% |
| 64 | 17.339 | 2437 | 2440 | 2447 | rVB8 | 5473    | 9136    | 0.18%  | 0.022% |
| 65 | 17.533 | 2468 | 2473 | 2478 | rBV8 | 7336    | 14862   | 0.29%  | 0.035% |
| 66 | 17.639 | 2487 | 2491 | 2494 | rBV3 | 32934   | 40378   | 0.79%  | 0.095% |
| 67 | 17.874 | 2526 | 2531 | 2539 | rBV  | 280622  | 417428  | 8.15%  | 0.986% |
| 68 | 18.157 | 2575 | 2579 | 2592 | rVB  | 94600   | 141246  | 2.76%  | 0.334% |
| 69 | 18.545 | 2643 | 2645 | 2649 | rVB5 | 8502    | 10138   | 0.20%  | 0.024% |
| 70 | 18.645 | 2659 | 2662 | 2665 | rBV4 | 11248   | 12527   | 0.24%  | 0.030% |
| 71 | 18.986 | 2716 | 2720 | 2727 | rBV2 | 34816   | 63981   | 1.25%  | 0.151% |

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ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId :  
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Filtering: 5  
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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 19.162 | 2746 | 2750 | 2756 | rBV  | 123724  | 175746  | 3.43%   | 0.415%  |
| 73 | 19.239 | 2759 | 2763 | 2767 | rVB  | 31334   | 49288   | 0.96%   | 0.116%  |
| 74 | 19.351 | 2776 | 2782 | 2789 | rBV  | 3941116 | 5123550 | 100.00% | 12.100% |
| 75 | 19.798 | 2854 | 2858 | 2863 | rBV  | 161017  | 207728  | 4.05%   | 0.491%  |
| 76 | 20.892 | 3040 | 3044 | 3052 | rBV  | 302289  | 395232  | 7.71%   | 0.933%  |
| 77 | 21.115 | 3079 | 3082 | 3084 | rBV  | 164047  | 186571  | 3.64%   | 0.441%  |
| 78 | 21.151 | 3084 | 3088 | 3095 | rVB  | 1769764 | 2106315 | 41.11%  | 4.974%  |
| 79 | 22.321 | 3284 | 3287 | 3295 | rVB4 | 117250  | 185004  | 3.61%   | 0.437%  |
| 80 | 23.186 | 3427 | 3434 | 3441 | rBV  | 2167728 | 3735759 | 72.91%  | 8.822%  |
| 81 | 23.315 | 3450 | 3456 | 3468 | rVB  | 952244  | 1695131 | 33.09%  | 4.003%  |

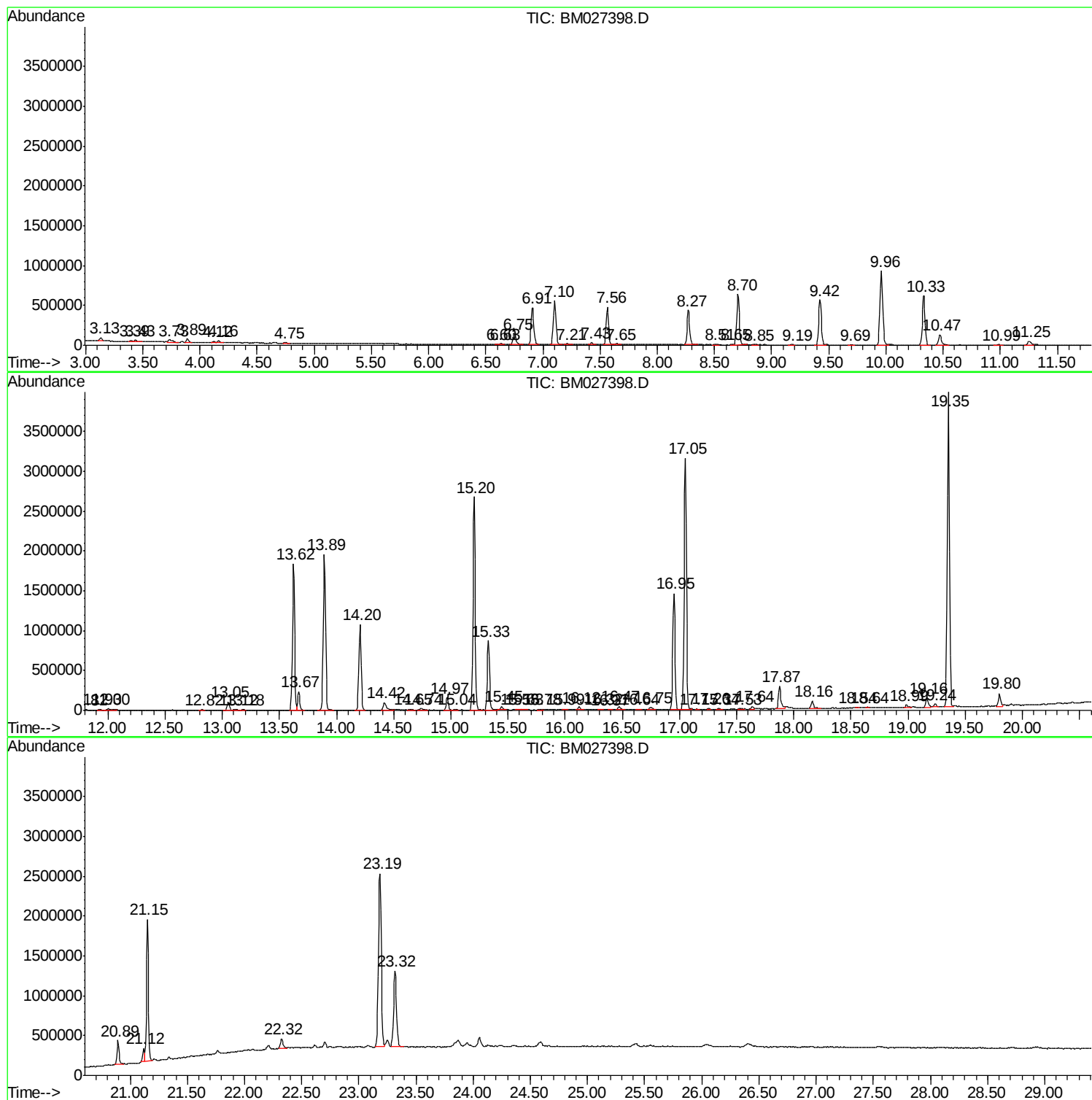
Sum of corrected areas: 42344161

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Instrument :  
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ClientSampled :  
F4Y30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

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



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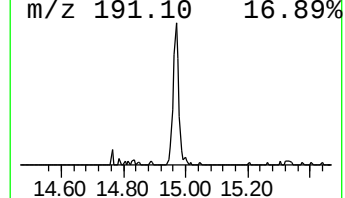
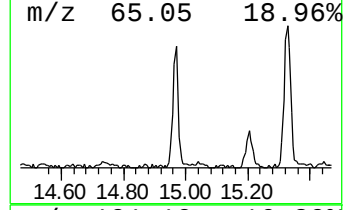
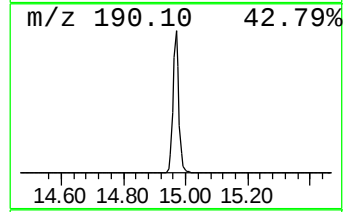
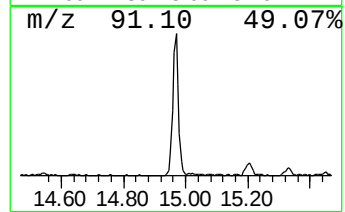
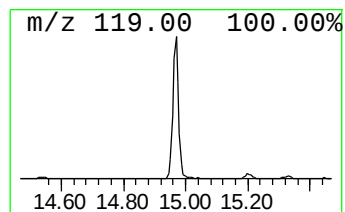
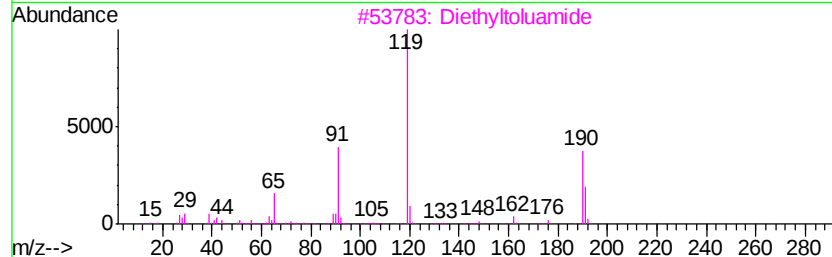
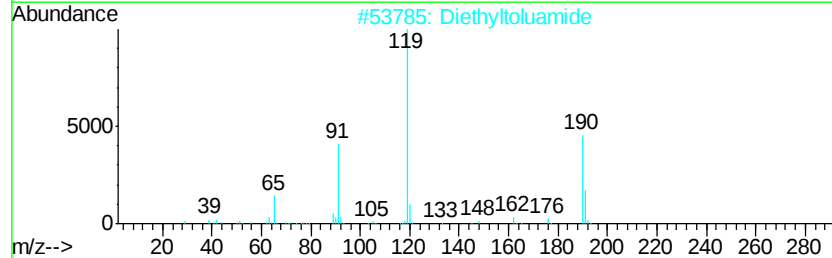
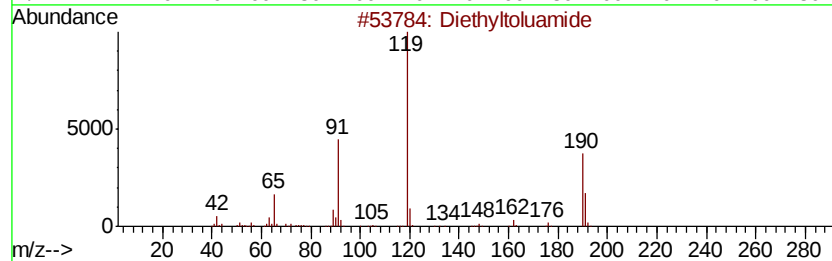
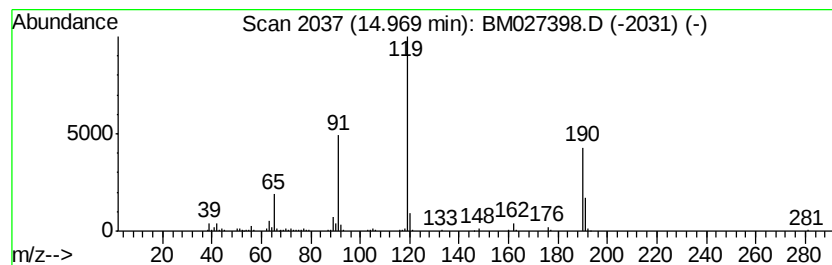
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Diethyltoluamide Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------------|--------------|------------------|-----------------|
| 14.97   | 2.57 ng/ul                          | 200516       | Acenaphthene-d10 | 14.20           |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Diethyltoluamide                    | 191          | C12H17NO         | 000134-62-3 97  |
| 2       | Diethyltoluamide                    | 191          | C12H17NO         | 000134-62-3 97  |
| 3       | Diethyltoluamide                    | 191          | C12H17NO         | 000134-62-3 93  |
| 4       | L-Valine, N-(4-methylbenzoyl)-, ... | 277          | C16H23NO3        | 1000346-63-8 72 |
| 5       | Benzamide, N,N-diethyl-4-methyl-    | 191          | C12H17NO         | 002728-05-4 68  |



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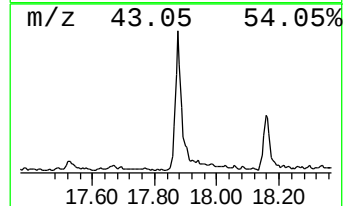
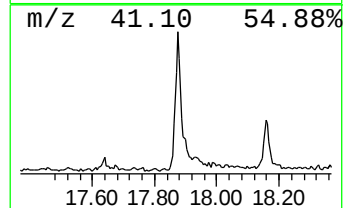
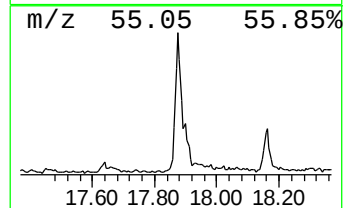
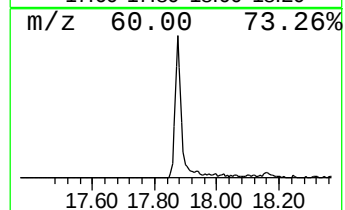
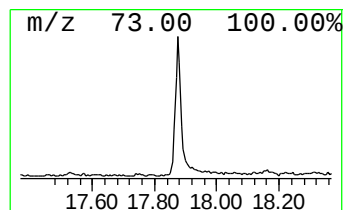
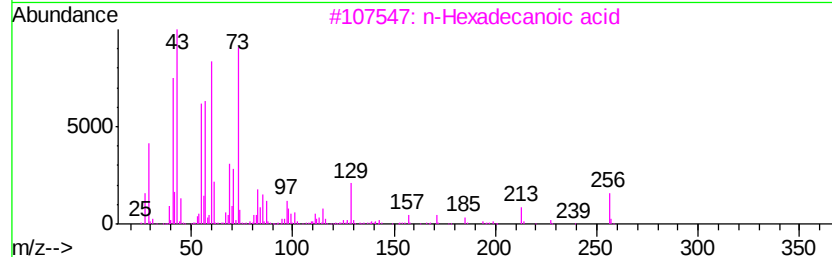
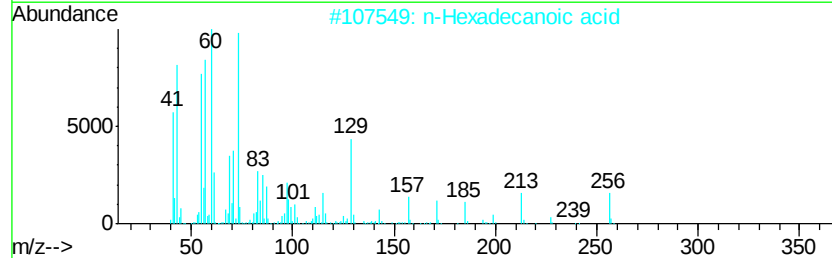
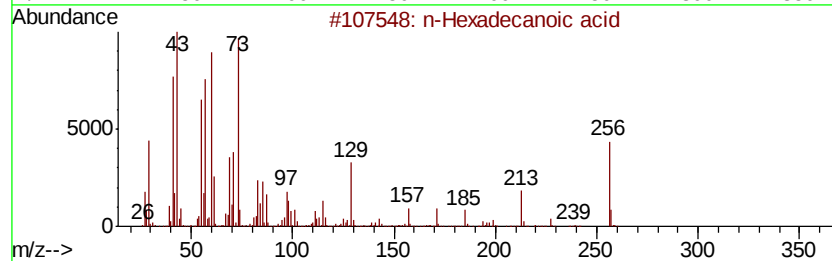
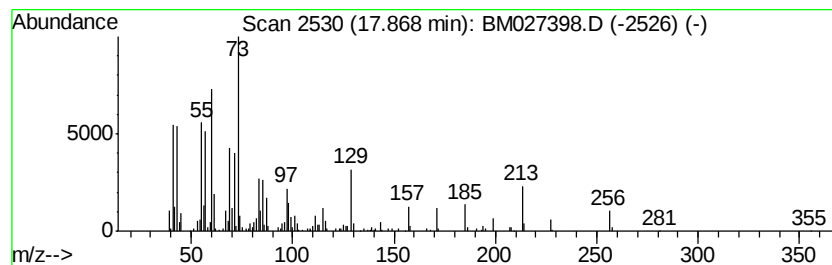
TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.87 | 4.28 ng/ul | 417428 | Phenanthrene-d10 | 16.95 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 58   |
| 5    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 58   |



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Quant Title : SVOA CALIBRATION

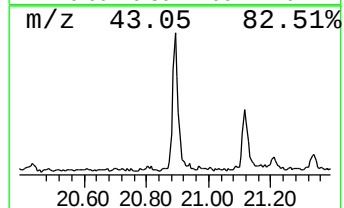
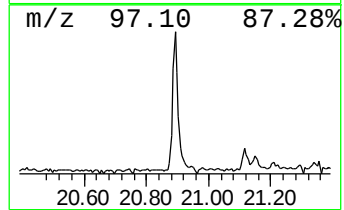
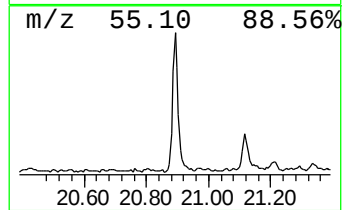
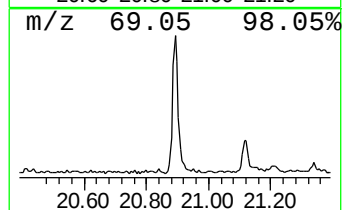
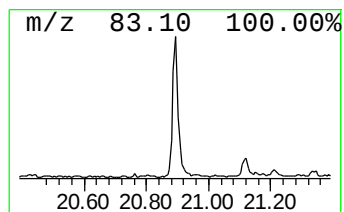
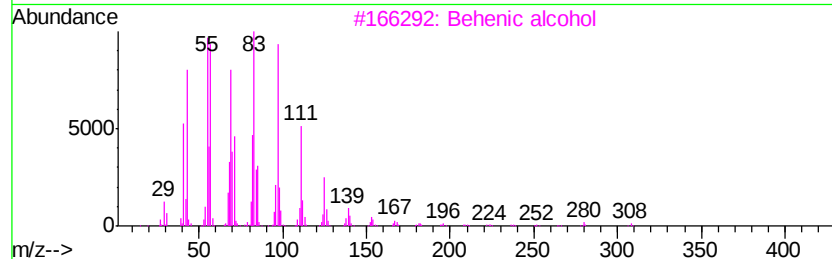
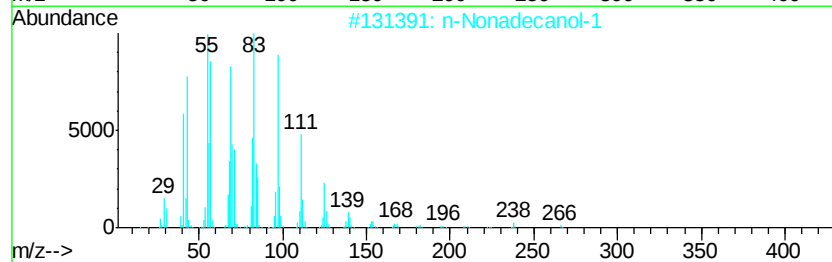
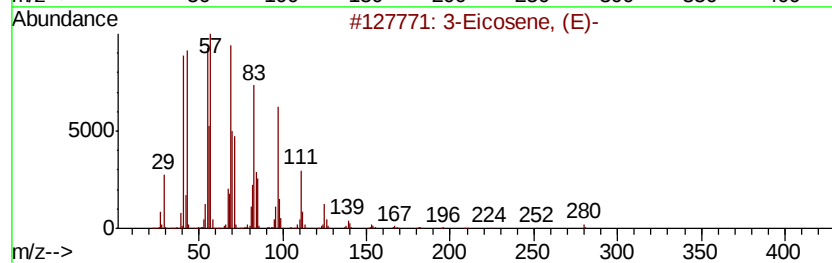
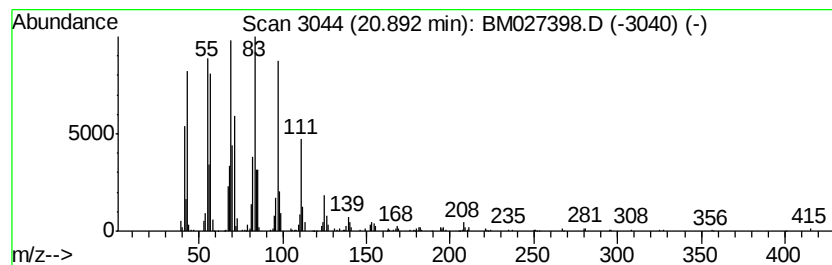
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.89 | 3.75 ng/ul | 395232 | Chrysene-d12     | 21.15 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9 | 99   |
| 2    |    |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 95   |
| 3    |    |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 93   |
| 4    |    |   | Cyclohexadecane                     | 224 | C16H32     | 000295-65-8 | 91   |
| 5    |    |   | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091020\  
Data File : BM027398.D  
Acq On : 11 Sep 2020 11:04  
Operator : JU/CG  
Sample : L3961-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F4Y30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.M  
Quant Title : SVOA CALIBRATION

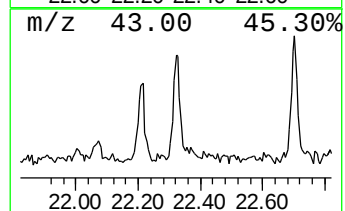
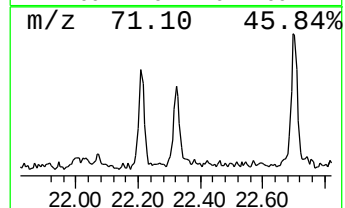
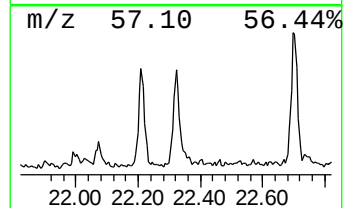
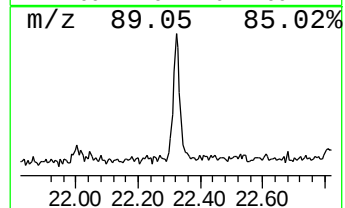
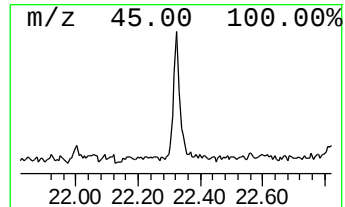
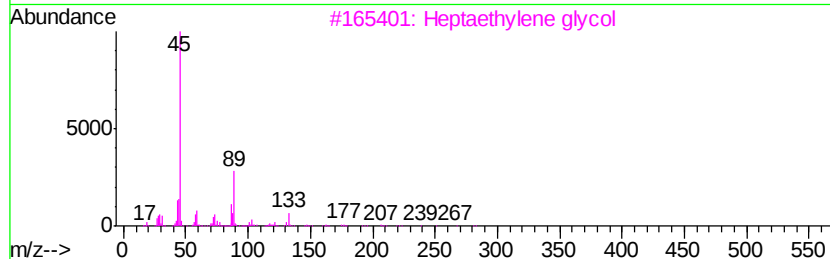
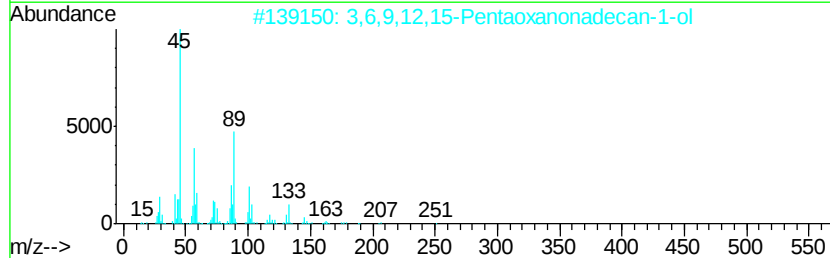
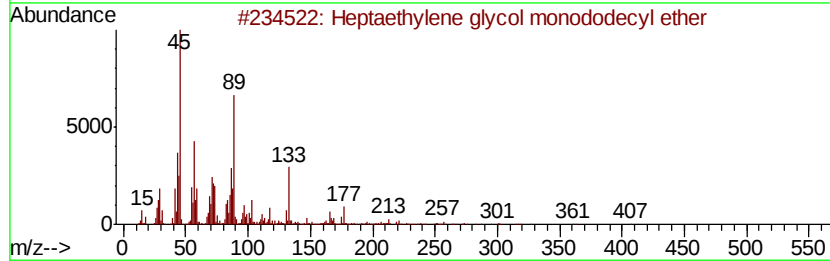
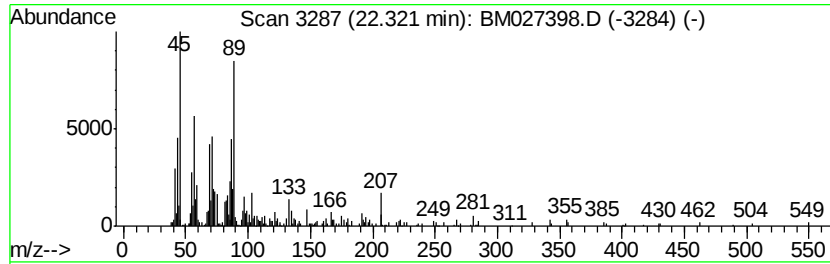
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptaethylene glycol monodo... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.32 | 2.18 ng/ul | 185004 | Perylene-d12     | 23.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptaethylene glycol monododecyl... | 494 | C26H54O8 | 003055-97-8 | 87   |
| 2    |    | 3,6,9,12,15-Pentaoxonadecan-1-ol    | 294 | C14H30O6 | 001786-94-3 | 80   |
| 3    |    | Heptaethylene glycol                | 326 | C14H30O8 | 005617-32-3 | 72   |
| 4    |    | 3,6,9,12-Tetraoxahexadecan-1-ol     | 250 | C12H26O5 | 001559-34-8 | 72   |
| 5    |    | 2-[2-[2-[2-[2-[2-(2-Hydroxyet...    | 370 | C16H34O9 | 005117-19-1 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM091020\  
Data File : BM027398.D  
Acq On : 11 Sep 2020 11:04  
Operator : JU/CG  
Sample : L3961-06  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F4Y30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090420MA.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 |
| Diethyltoluamide     | 14.97 | 2.6     | ng/ul | 200516   | 3                     | 14.20 | 1560280 | 20.0 |
| n-Hexadecanoic acid  | 17.87 | 4.3     | ng/ul | 417428   | 4                     | 16.95 | 1949420 | 20.0 |
| (DEL) Alkane: Str... | 20.89 | 3.8     | ng/ul | 395232   | 5                     | 21.15 | 2106320 | 20.0 |
| Heptaethylene gly... | 22.32 | 2.2     | ng/ul | 185004   | 6                     | 23.32 | 1695130 | 20.0 |