

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061722\  
 Data File : BM035500.D  
 Acq On : 17 Jun 2022 18:17  
 Operator : CG/JU  
 Sample : N3226-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW4L4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
 Title : SVOA CALIBRATION

Signal : TIC: BM035500.D\data.ms

| 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         | 3.269       | 29            | 31          | 39           | rVB2     | 18429          | 25958         | 0.84%           | 0.095%        |
| 2         | 3.916       | 136           | 141         | 147          | rVB      | 27509          | 48477         | 1.57%           | 0.178%        |
| 3         | 4.004       | 153           | 156         | 161          | rVB3     | 10157          | 16622         | 0.54%           | 0.061%        |
| 4         | 4.381       | 217           | 220         | 228          | rVB7     | 14462          | 25705         | 0.83%           | 0.095%        |
| 5         | 4.563       | 248           | 251         | 255          | rVB      | 9991           | 12495         | 0.41%           | 0.046%        |
| 6         | 4.922       | 309           | 312         | 319          | rBV      | 21217          | 31745         | 1.03%           | 0.117%        |
| 7         | 5.004       | 325           | 326         | 334          | rVB6     | 6451           | 9550          | 0.31%           | 0.035%        |
| 8         | 5.834       | 463           | 467         | 472          | rVV6     | 8122           | 13162         | 0.43%           | 0.048%        |
| 9         | 5.904       | 475           | 479         | 482          | rVV5     | 5283           | 8760          | 0.28%           | 0.032%        |
| 10        | 6.375       | 554           | 559         | 563          | rBV5     | 7505           | 11365         | 0.37%           | 0.042%        |
| 11        | 6.487       | 574           | 578         | 584          | rVB6     | 5757           | 9642          | 0.31%           | 0.035%        |
| 12        | 6.951       | 653           | 657         | 660          | rBV6     | 5536           | 10544         | 0.34%           | 0.039%        |
| 13        | 7.016       | 663           | 668         | 686          | rVV      | 101429         | 305673        | 9.93%           | 1.124%        |
| 14        | 7.157       | 686           | 692         | 703          | rVB      | 144419         | 268069        | 8.71%           | 0.986%        |
| 15        | 7.269       | 708           | 711         | 715          | rVV6     | 5359           | 7971          | 0.26%           | 0.029%        |
| 16        | 7.357       | 720           | 726         | 737          | rVV      | 179759         | 363943        | 11.82%          | 1.338%        |
| 17        | 7.440       | 737           | 740         | 750          | rVB2     | 26207          | 48580         | 1.58%           | 0.179%        |
| 18        | 7.540       | 752           | 757         | 762          | rVB6     | 5284           | 11461         | 0.37%           | 0.042%        |
| 19        | 7.816       | 795           | 804         | 819          | rBV      | 631384         | 1115440       | 36.23%          | 4.102%        |
| 20        | 8.004       | 832           | 836         | 840          | rVB7     | 5745           | 7451          | 0.24%           | 0.027%        |
| 21        | 8.369       | 892           | 898         | 902          | rVB6     | 7018           | 13173         | 0.43%           | 0.048%        |
| 22        | 8.487       | 913           | 918         | 923          | rBV8     | 5758           | 10712         | 0.35%           | 0.039%        |
| 23        | 8.557       | 923           | 930         | 944          | rBV      | 135720         | 364720        | 11.85%          | 1.341%        |
| 24        | 8.669       | 945           | 949         | 962          | rVB2     | 30191          | 70981         | 2.31%           | 0.261%        |
| 25        | 8.987       | 997           | 1003        | 1010         | rVV      | 155159         | 313156        | 10.17%          | 1.152%        |
| 26        | 9.045       | 1010          | 1013        | 1025         | rVV2     | 47548          | 86215         | 2.80%           | 0.317%        |
| 27        | 9.157       | 1025          | 1032        | 1041         | rVB5     | 23716          | 51734         | 1.68%           | 0.190%        |
| 28        | 9.463       | 1080          | 1084        | 1089         | rVB6     | 5117           | 7822          | 0.25%           | 0.029%        |
| 29        | 9.710       | 1120          | 1126        | 1143         | rBV      | 111374         | 282477        | 9.18%           | 1.039%        |
| 30        | 9.969       | 1166          | 1170        | 1175         | rVB8     | 4857           | 8618          | 0.28%           | 0.032%        |
| 31        | 10.051      | 1178          | 1184        | 1190         | rBV9     | 7818           | 16566         | 0.54%           | 0.061%        |
| 32        | 10.286      | 1218          | 1224        | 1249         | rBV      | 90443          | 357094        | 11.60%          | 1.313%        |
| 33        | 10.610      | 1270          | 1279        | 1296         | rBV      | 913055         | 1708596       | 55.50%          | 6.283%        |
| 34        | 10.781      | 1302          | 1308        | 1325         | rBV      | 117524         | 330021        | 10.72%          | 1.214%        |
| 35        | 11.104      | 1359          | 1363        | 1365         | rBV4     | 7675           | 10242         | 0.33%           | 0.038%        |
| 36        | 11.145      | 1365          | 1370        | 1379         | rVB9     | 11752          | 34235         | 1.11%           | 0.126%        |

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Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW4L4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.322 | 1396 | 1400 | 1405 | rVB7 | 6190    | 10319   | 0.34%  | 0.038% |
| 38 | 11.651 | 1446 | 1456 | 1465 | rBV4 | 20452   | 51146   | 1.66%  | 0.188% |
| 39 | 11.804 | 1476 | 1482 | 1486 | rVB8 | 6884    | 12909   | 0.42%  | 0.047% |
| 40 | 11.898 | 1493 | 1498 | 1502 | rBV5 | 7168    | 11375   | 0.37%  | 0.042% |
| 41 | 12.045 | 1518 | 1523 | 1531 | rBV  | 54105   | 95974   | 3.12%  | 0.353% |
| 42 | 12.269 | 1560 | 1561 | 1567 | rVB5 | 8051    | 7912    | 0.26%  | 0.029% |
| 43 | 12.675 | 1625 | 1630 | 1635 | rBV8 | 5592    | 10600   | 0.34%  | 0.039% |
| 44 | 12.727 | 1635 | 1639 | 1646 | rBV8 | 7102    | 16928   | 0.55%  | 0.062% |
| 45 | 12.945 | 1673 | 1676 | 1679 | rBV5 | 9640    | 14947   | 0.49%  | 0.055% |
| 46 | 13.004 | 1679 | 1686 | 1691 | rVV4 | 23760   | 51933   | 1.69%  | 0.191% |
| 47 | 13.063 | 1695 | 1696 | 1702 | rVB6 | 6313    | 7446    | 0.24%  | 0.027% |
| 48 | 13.292 | 1727 | 1735 | 1742 | rBV  | 51601   | 93693   | 3.04%  | 0.345% |
| 49 | 13.345 | 1742 | 1744 | 1747 | rVV4 | 7269    | 8842    | 0.29%  | 0.033% |
| 50 | 13.380 | 1747 | 1750 | 1756 | rVB2 | 12748   | 23740   | 0.77%  | 0.087% |
| 51 | 13.727 | 1804 | 1809 | 1814 | rBV9 | 5116    | 11109   | 0.36%  | 0.041% |
| 52 | 13.880 | 1828 | 1835 | 1843 | rBV  | 380594  | 653809  | 21.24% | 2.404% |
| 53 | 13.945 | 1843 | 1846 | 1851 | rVV2 | 34638   | 52438   | 1.70%  | 0.193% |
| 54 | 13.992 | 1851 | 1854 | 1859 | rVB5 | 11154   | 17066   | 0.55%  | 0.063% |
| 55 | 14.074 | 1865 | 1868 | 1874 | rVB3 | 11594   | 15284   | 0.50%  | 0.056% |
| 56 | 14.151 | 1875 | 1881 | 1891 | rBV  | 508741  | 789203  | 25.64% | 2.902% |
| 57 | 14.363 | 1912 | 1917 | 1922 | rBV  | 59045   | 82626   | 2.68%  | 0.304% |
| 58 | 14.457 | 1926 | 1933 | 1944 | rBV  | 1437630 | 2154573 | 69.99% | 7.923% |
| 59 | 14.698 | 1969 | 1974 | 1978 | rVB8 | 5637    | 9473    | 0.31%  | 0.035% |
| 60 | 14.745 | 1978 | 1982 | 1985 | rBV3 | 6343    | 9153    | 0.30%  | 0.034% |
| 61 | 14.810 | 1985 | 1993 | 1995 | rBV8 | 18006   | 38398   | 1.25%  | 0.141% |
| 62 | 14.986 | 2020 | 2023 | 2031 | rVB9 | 16853   | 25836   | 0.84%  | 0.095% |
| 63 | 15.080 | 2037 | 2039 | 2047 | rBV9 | 5456    | 8954    | 0.29%  | 0.033% |
| 64 | 15.157 | 2050 | 2052 | 2061 | rVB8 | 7082    | 11663   | 0.38%  | 0.043% |
| 65 | 15.316 | 2074 | 2079 | 2084 | rVB  | 51178   | 60348   | 1.96%  | 0.222% |
| 66 | 15.410 | 2091 | 2095 | 2097 | rBV5 | 5876    | 8603    | 0.28%  | 0.032% |
| 67 | 15.451 | 2097 | 2102 | 2116 | rVV  | 653617  | 1099247 | 35.71% | 4.042% |
| 68 | 15.615 | 2126 | 2130 | 2140 | rBV2 | 45535   | 104014  | 3.38%  | 0.383% |
| 69 | 15.721 | 2141 | 2148 | 2152 | rVB3 | 35348   | 70164   | 2.28%  | 0.258% |
| 70 | 15.815 | 2159 | 2164 | 2168 | rBV8 | 5145    | 10281   | 0.33%  | 0.038% |
| 71 | 15.880 | 2170 | 2175 | 2180 | rVV9 | 5813    | 12066   | 0.39%  | 0.044% |
| 72 | 15.933 | 2180 | 2184 | 2188 | rVV4 | 13480   | 18235   | 0.59%  | 0.067% |
| 73 | 16.174 | 2219 | 2225 | 2227 | rBV  | 58134   | 80548   | 2.62%  | 0.296% |
| 74 | 16.198 | 2227 | 2229 | 2234 | rVB  | 66992   | 83422   | 2.71%  | 0.307% |
| 75 | 16.521 | 2277 | 2284 | 2287 | rBV9 | 11077   | 24822   | 0.81%  | 0.091% |
| 76 | 16.733 | 2315 | 2320 | 2321 | rBV5 | 7599    | 11349   | 0.37%  | 0.042% |

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 Sample : N3226-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW4L4

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |         |
|-----|--------|------|------|------|------|---------|---------|---------|---------|
| 77  | 16.757 | 2321 | 2324 | 2326 | rVV4 | 6442    | 9311    | 0.30%   | 0.034%  |
| 78  | 16.968 | 2356 | 2360 | 2363 | rBV  | 45915   | 53780   | 1.75%   | 0.198%  |
| 79  | 17.021 | 2365 | 2369 | 2373 | rVB3 | 30666   | 45229   | 1.47%   | 0.166%  |
| 80  | 17.204 | 2394 | 2400 | 2411 | rBV  | 1636077 | 2462846 | 80.00%  | 9.057%  |
| 81  | 17.304 | 2411 | 2417 | 2431 | rVB2 | 776464  | 1255143 | 40.77%  | 4.616%  |
| 82  | 17.492 | 2446 | 2449 | 2455 | rVB6 | 16767   | 24360   | 0.79%   | 0.090%  |
| 83  | 17.621 | 2468 | 2471 | 2476 | rVB6 | 12685   | 20017   | 0.65%   | 0.074%  |
| 84  | 17.709 | 2482 | 2486 | 2490 | rVB  | 47559   | 62665   | 2.04%   | 0.230%  |
| 85  | 17.880 | 2511 | 2515 | 2519 | rVB6 | 11701   | 16885   | 0.55%   | 0.062%  |
| 86  | 18.109 | 2548 | 2554 | 2563 | rBV  | 151678  | 278872  | 9.06%   | 1.026%  |
| 87  | 18.404 | 2600 | 2604 | 2607 | rBV  | 41237   | 48111   | 1.56%   | 0.177%  |
| 88  | 19.033 | 2708 | 2711 | 2714 | rBV  | 34919   | 40762   | 1.32%   | 0.150%  |
| 89  | 19.168 | 2730 | 2734 | 2736 | rBV5 | 22414   | 31722   | 1.03%   | 0.117%  |
| 90  | 19.386 | 2767 | 2771 | 2780 | rBV2 | 112409  | 185759  | 6.03%   | 0.683%  |
| 91  | 19.598 | 2802 | 2807 | 2822 | rBV  | 1262156 | 1837733 | 59.70%  | 6.758%  |
| 92  | 20.150 | 2898 | 2901 | 2906 | rVB2 | 53923   | 56195   | 1.83%   | 0.207%  |
| 93  | 20.474 | 2953 | 2956 | 2961 | rBV3 | 61988   | 88055   | 2.86%   | 0.324%  |
| 94  | 20.527 | 2963 | 2965 | 2969 | rVB  | 55609   | 57068   | 1.85%   | 0.210%  |
| 95  | 20.645 | 2982 | 2985 | 2989 | rVB  | 65564   | 72436   | 2.35%   | 0.266%  |
| 96  | 21.109 | 3060 | 3064 | 3073 | rBV2 | 263956  | 445038  | 14.46%  | 1.637%  |
| 97  | 21.303 | 3094 | 3097 | 3102 | rBV  | 143357  | 159851  | 5.19%   | 0.588%  |
| 98  | 21.392 | 3107 | 3112 | 3122 | rBV  | 2149446 | 2937127 | 95.41%  | 10.801% |
| 99  | 23.580 | 3479 | 3484 | 3497 | rVB2 | 885987  | 2025778 | 65.80%  | 7.450%  |
| 100 | 23.733 | 3503 | 3510 | 3521 | rBV2 | 1431795 | 3078530 | 100.00% | 11.321% |

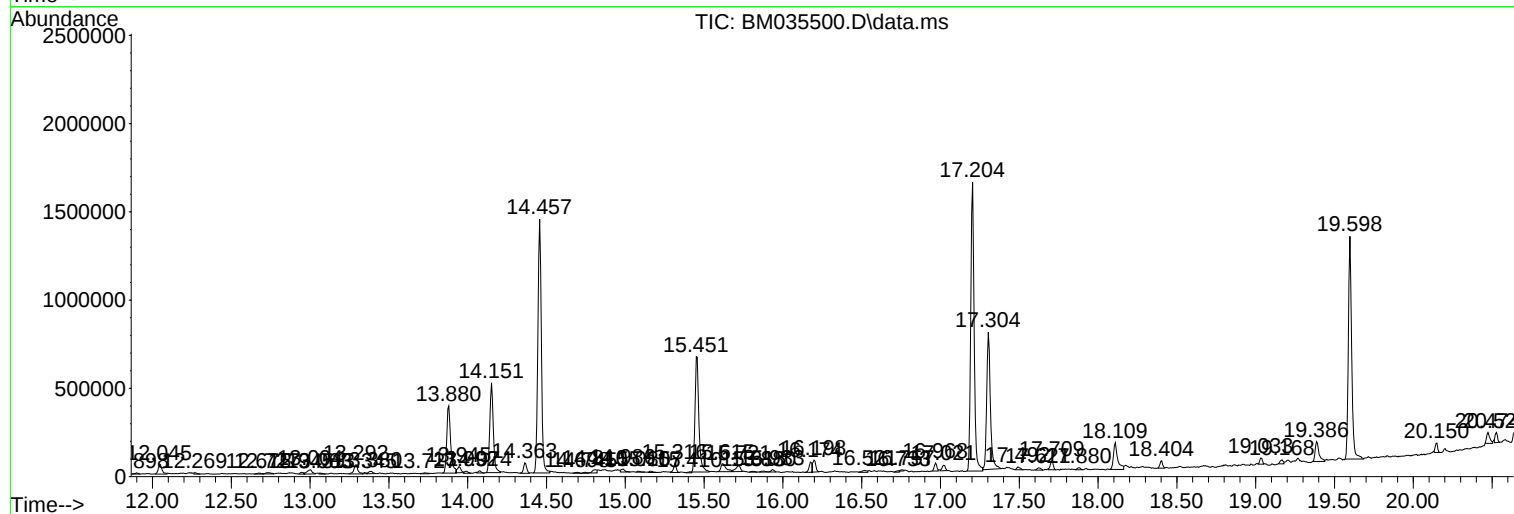
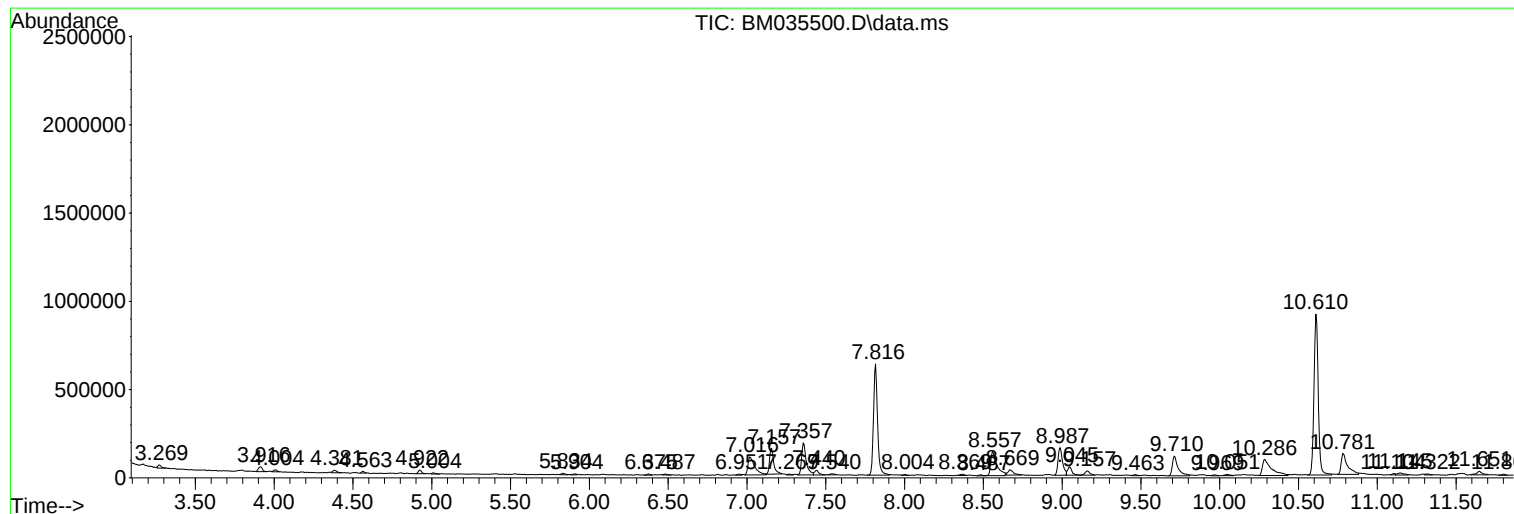
Sum of corrected areas: 27192696

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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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ClientSampleId :  
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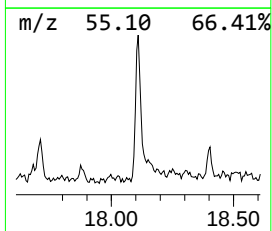
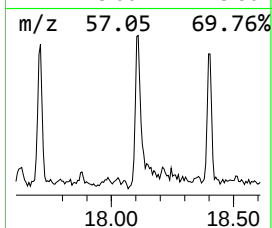
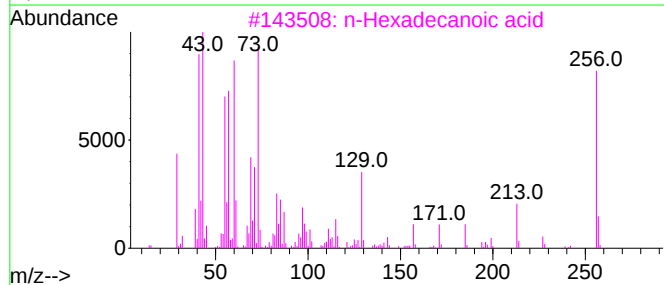
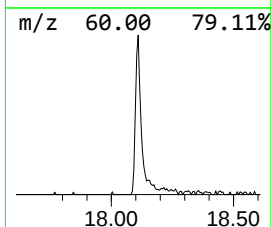
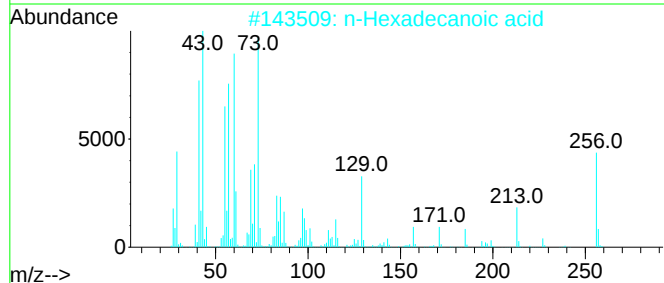
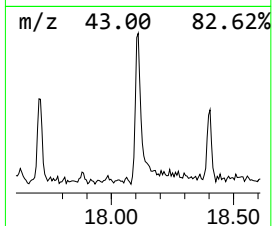
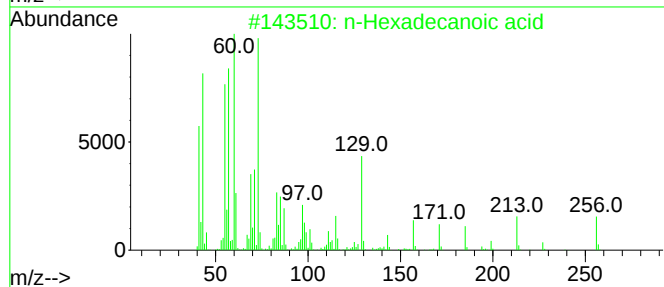
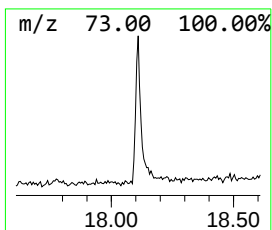
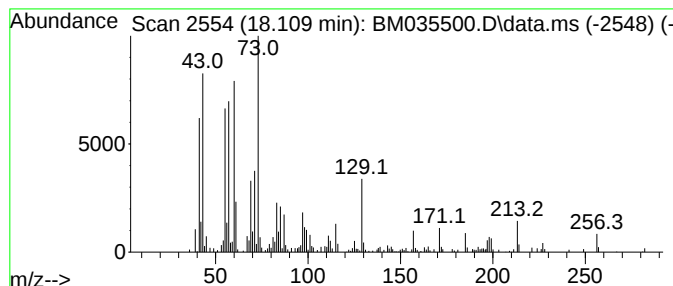
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.109 | 2.26 ng/ul | 278872 | Phenanthrene-d10 | 17.204 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 4    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |



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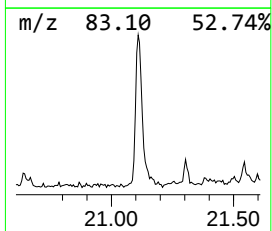
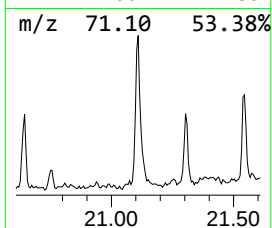
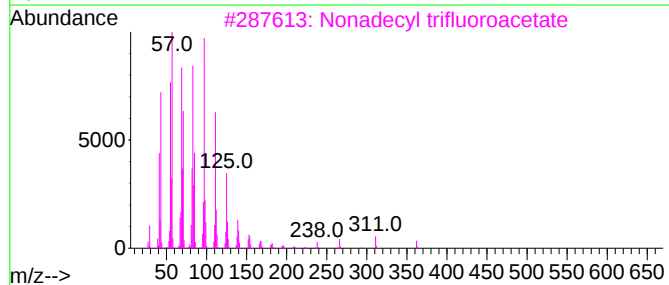
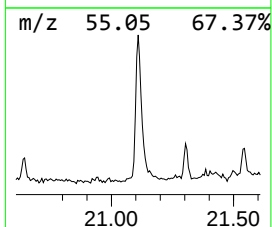
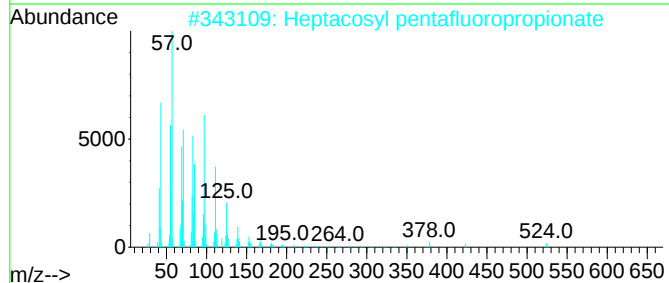
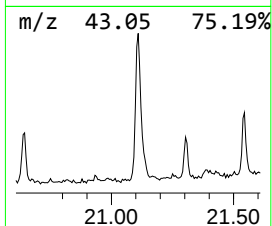
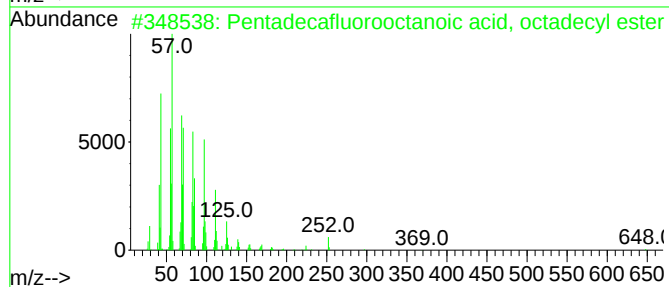
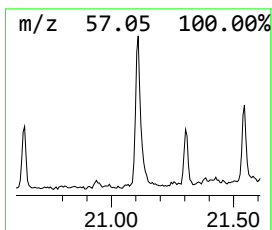
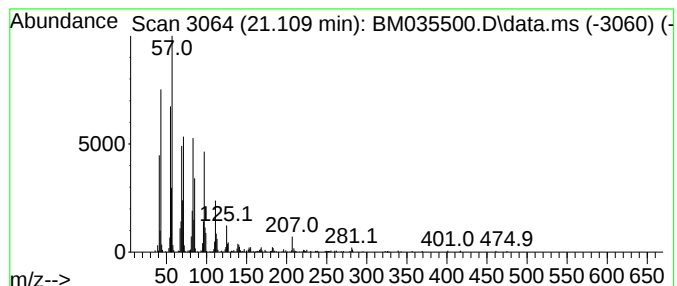
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Pentadecafluorooctanoic aci... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 21.109    | 3.03 ng/ul                          | 445038 | Chrysene-d12     | 21.392       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Pentadecafluorooctanoic acid, oc... | 666    | C26H37F15O2      | 1000406-04-8 | 94   |
| 2         | Heptacosyl pentafluoropropionate    | 542    | C30H55F5O2       | 1000351-81-6 | 91   |
| 3         | Nonadecyl trifluoroacetate          | 380    | C21H39F3O2       | 1000351-76-3 | 91   |
| 4         | Tetracosyl trifluoroacetate         | 450    | C26H49F3O2       | 1000351-76-4 | 91   |
| 5         | Tricosyl trifluoroacetate           | 436    | C25H47F3O2       | 1000351-75-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061722\  
Data File : BM035500.D  
Acq On : 17 Jun 2022 18:17  
Operator : CG/JU  
Sample : N3226-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
EW4L4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM061622.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 18.109 | 2.3     | ng/ul | 278872   | 4                     | 17.204 | 2462850 | 20.0 |
| Pentadecafluoro... | 21.109 | 3.0     | ng/ul | 445038   | 5                     | 21.392 | 2937130 | 20.0 |