

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072721\  
 Data File : BP006374.D  
 Acq On : 27 Jul 2021 21:16  
 Operator : CG/JU  
 Sample : M3091-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0043

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\_P\METHODS\SFAM-EPA-BP072421.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP006374.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         | 3.305       | 33            | 37          | 49           | rVB      | 50276          | 84298         | 1.93%           | 0.140%        |
| 2         | 3.717       | 102           | 107         | 115          | rBV      | 98816          | 173657        | 3.97%           | 0.289%        |
| 3         | 3.817       | 119           | 124         | 131          | rVB      | 38387          | 55751         | 1.28%           | 0.093%        |
| 4         | 3.928       | 139           | 143         | 148          | rVB      | 20375          | 32061         | 0.73%           | 0.053%        |
| 5         | 4.022       | 155           | 159         | 167          | rVB      | 32886          | 54056         | 1.24%           | 0.090%        |
| 6         | 4.240       | 191           | 196         | 201          | rBV      | 51379          | 78007         | 1.78%           | 0.130%        |
| 7         | 4.646       | 261           | 265         | 274          | rBV3     | 29131          | 43963         | 1.01%           | 0.073%        |
| 8         | 4.940       | 309           | 315         | 321          | rVB      | 56912          | 89909         | 2.06%           | 0.150%        |
| 9         | 5.022       | 324           | 329         | 335          | rVB6     | 12516          | 23033         | 0.53%           | 0.038%        |
| 10        | 5.452       | 397           | 402         | 408          | rVB2     | 15137          | 25315         | 0.58%           | 0.042%        |
| 11        | 5.816       | 458           | 464         | 469          | rVV2     | 24960          | 40832         | 0.93%           | 0.068%        |
| 12        | 6.958       | 650           | 658         | 666          | rVV      | 836108         | 1328436       | 30.39%          | 2.210%        |
| 13        | 7.128       | 676           | 687         | 701          | rBV      | 738338         | 1159616       | 26.53%          | 1.929%        |
| 14        | 7.316       | 711           | 719         | 730          | rVV      | 874334         | 1372445       | 31.40%          | 2.283%        |
| 15        | 7.416       | 730           | 736         | 746          | rVB3     | 32406          | 66543         | 1.52%           | 0.111%        |
| 16        | 7.787       | 792           | 799         | 808          | rBV      | 1438843        | 2283631       | 52.24%          | 3.799%        |
| 17        | 8.487       | 909           | 918         | 925          | rVV      | 891239         | 1448748       | 33.14%          | 2.410%        |
| 18        | 8.546       | 925           | 928         | 933          | rVV2     | 23391          | 37428         | 0.86%           | 0.062%        |
| 19        | 8.605       | 935           | 938         | 945          | rVV4     | 17499          | 34724         | 0.79%           | 0.058%        |
| 20        | 8.940       | 988           | 995         | 1003         | rVV      | 835524         | 1327278       | 30.36%          | 2.208%        |
| 21        | 9.010       | 1003          | 1007        | 1013         | rVV      | 41501          | 66017         | 1.51%           | 0.110%        |
| 22        | 9.110       | 1019          | 1024        | 1034         | rBV10    | 12510          | 24199         | 0.55%           | 0.040%        |
| 23        | 9.657       | 1107          | 1117        | 1123         | rBV      | 593204         | 964788        | 22.07%          | 1.605%        |
| 24        | 10.187      | 1199          | 1207        | 1218         | rVV      | 942422         | 1572676       | 35.98%          | 2.616%        |
| 25        | 10.357      | 1230          | 1236        | 1243         | rBV      | 154544         | 249291        | 5.70%           | 0.415%        |
| 26        | 10.569      | 1264          | 1272        | 1279         | rBV      | 2000585        | 3303469       | 75.57%          | 5.496%        |
| 27        | 10.616      | 1279          | 1280        | 1286         | rVB      | 25854          | 30744         | 0.70%           | 0.051%        |
| 28        | 10.710      | 1288          | 1296        | 1306         | rBV      | 820648         | 1425338       | 32.61%          | 2.371%        |
| 29        | 11.363      | 1401          | 1407        | 1411         | rBV6     | 14327          | 22390         | 0.51%           | 0.037%        |
| 30        | 11.604      | 1444          | 1448        | 1459         | rVB3     | 21657          | 37853         | 0.87%           | 0.063%        |
| 31        | 12.004      | 1510          | 1516        | 1523         | rBV      | 39412          | 60934         | 1.39%           | 0.101%        |
| 32        | 12.151      | 1535          | 1541        | 1547         | rVB3     | 22521          | 40814         | 0.93%           | 0.068%        |
| 33        | 12.234      | 1547          | 1555        | 1559         | rBV      | 38519          | 61494         | 1.41%           | 0.102%        |
| 34        | 12.451      | 1586          | 1592        | 1597         | rVV      | 29112          | 46330         | 1.06%           | 0.077%        |
| 35        | 12.775      | 1644          | 1647        | 1651         | rVV5     | 18026          | 28824         | 0.66%           | 0.048%        |
| 36        | 12.822      | 1651          | 1655        | 1659         | rVV7     | 13648          | 25913         | 0.59%           | 0.043%        |

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 BNA\_P  
 ClientSampleId :  
 C0043

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\_P\METHODS\SFAM-EPA-BP072421.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 12.957 | 1673 | 1678 | 1683 | rVV4 | 14391   | 27604   | 0.63%   | 0.046% |
| 38 | 13.028 | 1683 | 1690 | 1696 | rVB8 | 11003   | 21405   | 0.49%   | 0.036% |
| 39 | 13.251 | 1722 | 1728 | 1733 | rVV3 | 60656   | 89059   | 2.04%   | 0.148% |
| 40 | 13.575 | 1775 | 1783 | 1785 | rBV5 | 17462   | 32540   | 0.74%   | 0.054% |
| 41 | 13.734 | 1805 | 1810 | 1814 | rVV3 | 28229   | 47189   | 1.08%   | 0.079% |
| 42 | 13.787 | 1814 | 1819 | 1821 | rVV3 | 19823   | 28927   | 0.66%   | 0.048% |
| 43 | 13.828 | 1821 | 1826 | 1836 | rVV  | 1715468 | 2358511 | 53.96%  | 3.924% |
| 44 | 13.910 | 1836 | 1840 | 1844 | rVV3 | 18071   | 26543   | 0.61%   | 0.044% |
| 45 | 13.963 | 1844 | 1849 | 1854 | rVB4 | 13336   | 26709   | 0.61%   | 0.044% |
| 46 | 14.104 | 1862 | 1873 | 1883 | rBV  | 1982251 | 3002729 | 68.69%  | 4.995% |
| 47 | 14.251 | 1892 | 1898 | 1906 | rVB  | 51640   | 103319  | 2.36%   | 0.172% |
| 48 | 14.322 | 1907 | 1910 | 1915 | rVB  | 56515   | 76014   | 1.74%   | 0.126% |
| 49 | 14.410 | 1917 | 1925 | 1932 | rBV  | 2795924 | 3988352 | 91.24%  | 6.635% |
| 50 | 14.610 | 1950 | 1959 | 1973 | rBV  | 475093  | 755033  | 17.27%  | 1.256% |
| 51 | 14.810 | 1989 | 1993 | 1996 | rBV2 | 21612   | 29344   | 0.67%   | 0.049% |
| 52 | 14.951 | 2013 | 2017 | 2023 | rVB9 | 12085   | 23104   | 0.53%   | 0.038% |
| 53 | 15.028 | 2023 | 2030 | 2036 | rBV7 | 15215   | 41675   | 0.95%   | 0.069% |
| 54 | 15.081 | 2036 | 2039 | 2044 | rVB3 | 15741   | 24232   | 0.55%   | 0.040% |
| 55 | 15.198 | 2054 | 2059 | 2061 | rBV6 | 14087   | 21427   | 0.49%   | 0.036% |
| 56 | 15.281 | 2069 | 2073 | 2078 | rVB  | 58225   | 72637   | 1.66%   | 0.121% |
| 57 | 15.404 | 2088 | 2094 | 2101 | rVV  | 2521047 | 3559752 | 81.44%  | 5.922% |
| 58 | 15.522 | 2108 | 2114 | 2122 | rBV  | 423722  | 583527  | 13.35%  | 0.971% |
| 59 | 15.651 | 2131 | 2136 | 2140 | rBV3 | 24732   | 47208   | 1.08%   | 0.079% |
| 60 | 15.757 | 2148 | 2154 | 2156 | rBV3 | 14388   | 24550   | 0.56%   | 0.041% |
| 61 | 15.898 | 2175 | 2178 | 2187 | rVB6 | 19827   | 41124   | 0.94%   | 0.068% |
| 62 | 15.986 | 2187 | 2193 | 2199 | rBV9 | 15445   | 42161   | 0.96%   | 0.070% |
| 63 | 16.145 | 2216 | 2220 | 2223 | rBV  | 57942   | 80066   | 1.83%   | 0.133% |
| 64 | 16.816 | 2330 | 2334 | 2343 | rVB6 | 24432   | 51413   | 1.18%   | 0.086% |
| 65 | 16.898 | 2343 | 2348 | 2351 | rBV6 | 18765   | 39003   | 0.89%   | 0.065% |
| 66 | 16.945 | 2351 | 2356 | 2360 | rBV4 | 93385   | 128859  | 2.95%   | 0.214% |
| 67 | 17.069 | 2374 | 2377 | 2381 | rBV3 | 37476   | 50468   | 1.15%   | 0.084% |
| 68 | 17.163 | 2384 | 2393 | 2398 | rVV  | 3048789 | 4371202 | 100.00% | 7.272% |
| 69 | 17.204 | 2398 | 2400 | 2404 | rVV  | 227068  | 254159  | 5.81%   | 0.423% |
| 70 | 17.263 | 2404 | 2410 | 2421 | rVV  | 2457999 | 3535324 | 80.88%  | 5.881% |
| 71 | 17.363 | 2422 | 2427 | 2432 | rVB8 | 29476   | 51572   | 1.18%   | 0.086% |
| 72 | 17.475 | 2443 | 2446 | 2450 | rVB5 | 24015   | 35762   | 0.82%   | 0.059% |
| 73 | 17.681 | 2478 | 2481 | 2485 | rBV2 | 54105   | 65484   | 1.50%   | 0.109% |
| 74 | 17.851 | 2506 | 2510 | 2515 | rBV2 | 67040   | 90641   | 2.07%   | 0.151% |
| 75 | 17.916 | 2518 | 2521 | 2523 | rBV4 | 15954   | 20503   | 0.47%   | 0.034% |
| 76 | 17.951 | 2524 | 2527 | 2532 | rVB7 | 32813   | 43978   | 1.01%   | 0.073% |

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Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF Filtering: 5  
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 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\_P\METHODS\SFAM-EPA-BP072421.M  
 Title : SVOA CALIBRATION

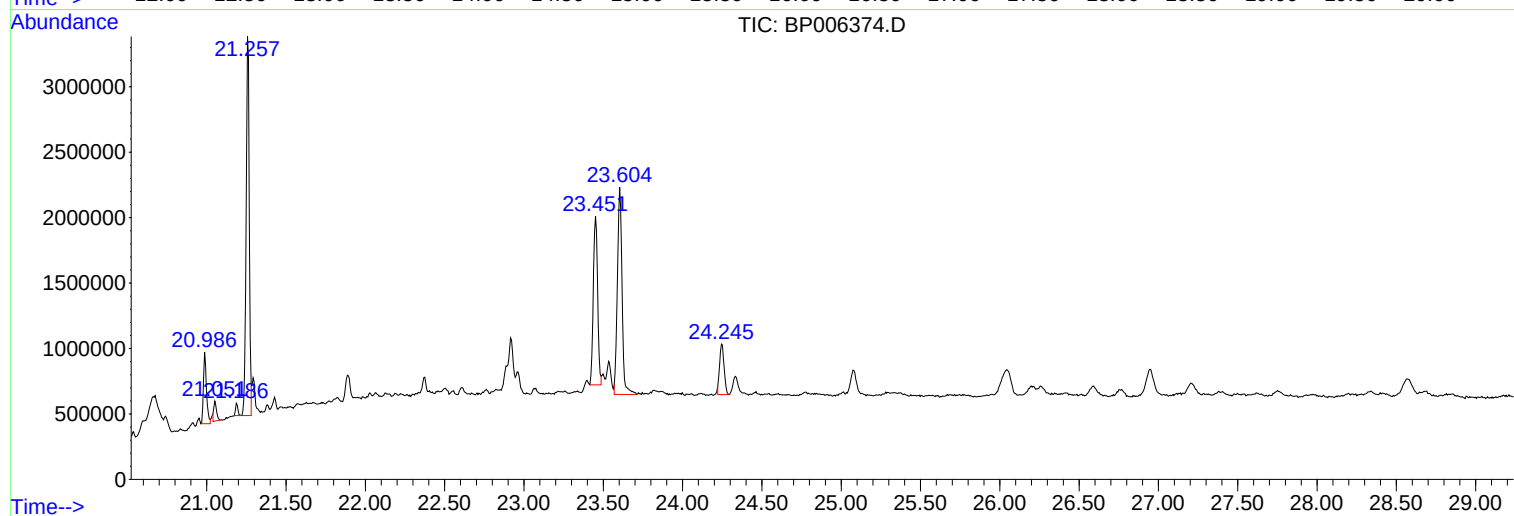
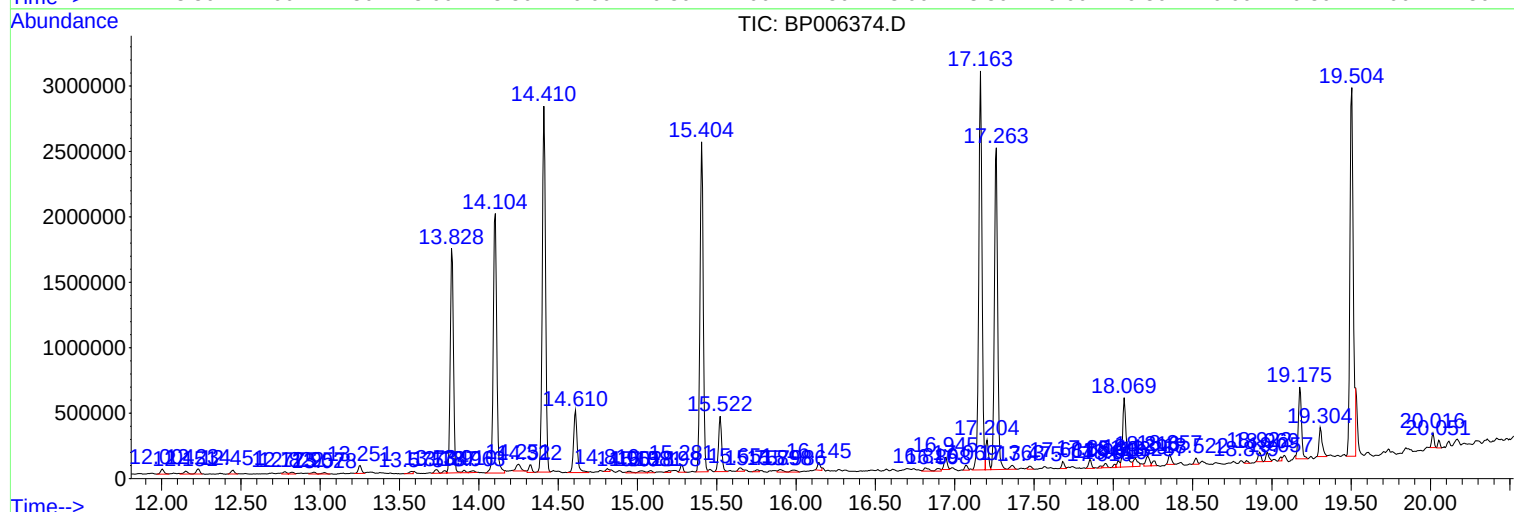
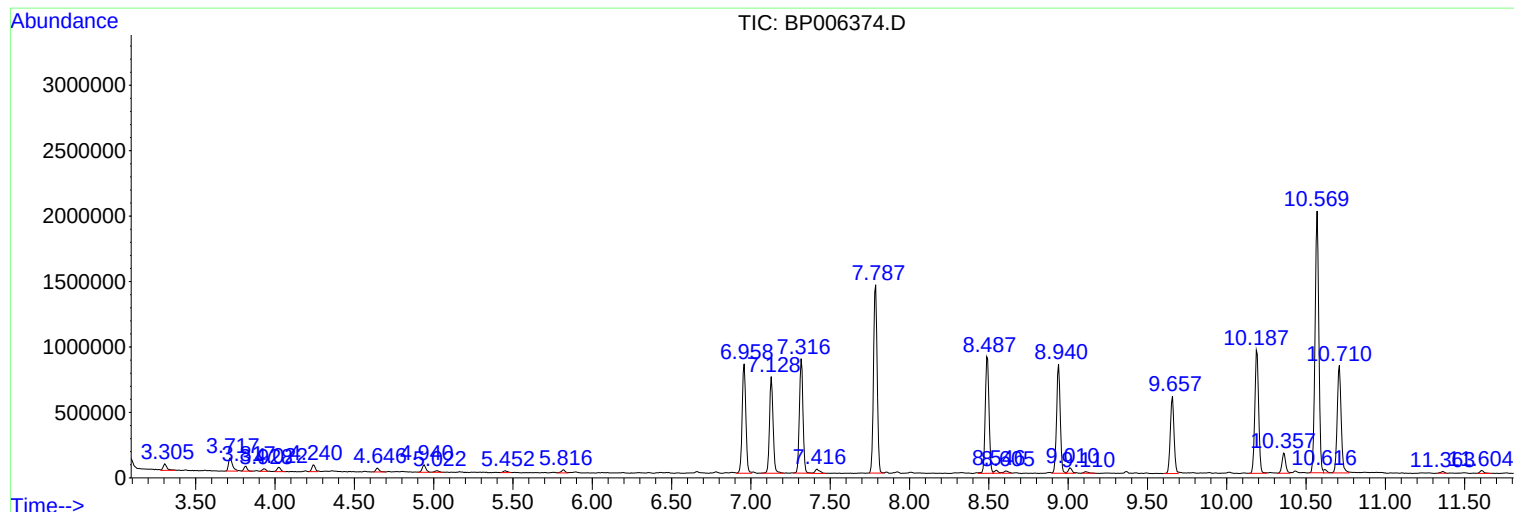
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|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 18.010 | 2533 | 2537 | 2538 | rBV3 | 25433   | 30277   | 0.69%  | 0.050% |
| 78  | 18.033 | 2538 | 2541 | 2543 | rVV2 | 49036   | 65232   | 1.49%  | 0.109% |
| 79  | 18.069 | 2543 | 2547 | 2556 | rVV2 | 528287  | 810548  | 18.54% | 1.348% |
| 80  | 18.139 | 2556 | 2559 | 2564 | rVV2 | 60014   | 116203  | 2.66%  | 0.193% |
| 81  | 18.216 | 2568 | 2572 | 2576 | rVV2 | 74036   | 130640  | 2.99%  | 0.217% |
| 82  | 18.257 | 2576 | 2579 | 2582 | rVB3 | 36672   | 50674   | 1.16%  | 0.084% |
| 83  | 18.357 | 2592 | 2596 | 2601 | rBV2 | 76663   | 102701  | 2.35%  | 0.171% |
| 84  | 18.522 | 2620 | 2624 | 2627 | rBV  | 47369   | 60291   | 1.38%  | 0.100% |
| 85  | 18.839 | 2676 | 2678 | 2682 | rVB3 | 20681   | 22396   | 0.51%  | 0.037% |
| 86  | 18.922 | 2688 | 2692 | 2696 | rVB  | 72807   | 94377   | 2.16%  | 0.157% |
| 87  | 18.969 | 2697 | 2700 | 2705 | rBV4 | 69090   | 95558   | 2.19%  | 0.159% |
| 88  | 19.057 | 2712 | 2715 | 2716 | rBV3 | 30193   | 31658   | 0.72%  | 0.053% |
| 89  | 19.175 | 2731 | 2735 | 2744 | rVB  | 548614  | 755863  | 17.29% | 1.257% |
| 90  | 19.304 | 2754 | 2757 | 2764 | rBV2 | 221620  | 304356  | 6.96%  | 0.506% |
| 91  | 19.504 | 2785 | 2791 | 2795 | rBV  | 2816416 | 4166322 | 95.31% | 6.931% |
| 92  | 20.016 | 2875 | 2878 | 2881 | rVB2 | 109890  | 116321  | 2.66%  | 0.194% |
| 93  | 20.051 | 2882 | 2884 | 2887 | rVB  | 57888   | 56986   | 1.30%  | 0.095% |
| 94  | 20.986 | 3039 | 3043 | 3049 | rBV2 | 546696  | 725121  | 16.59% | 1.206% |
| 95  | 21.051 | 3052 | 3054 | 3060 | rVB  | 146876  | 180713  | 4.13%  | 0.301% |
| 96  | 21.186 | 3075 | 3077 | 3083 | rVB  | 93727   | 92035   | 2.11%  | 0.153% |
| 97  | 21.257 | 3083 | 3089 | 3093 | rBV  | 2896202 | 4023689 | 92.05% | 6.694% |
| 98  | 23.451 | 3456 | 3462 | 3468 | rBV2 | 1288280 | 2454383 | 56.15% | 4.083% |
| 99  | 23.604 | 3482 | 3488 | 3506 | rVB2 | 1581612 | 3235868 | 74.03% | 5.383% |
| 100 | 24.245 | 3593 | 3597 | 3605 | rVB  | 387018  | 753408  | 17.24% | 1.253% |

Sum of corrected areas: 60109534

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION

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



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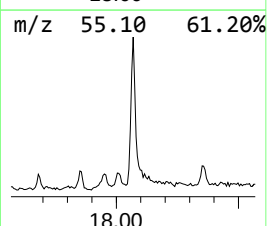
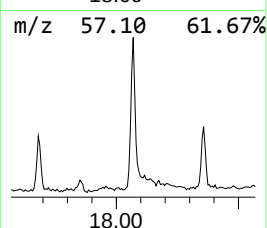
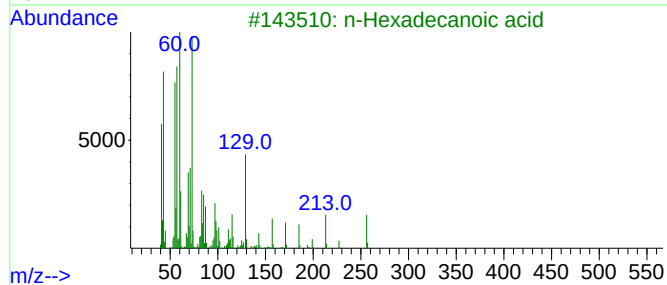
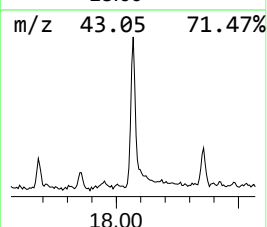
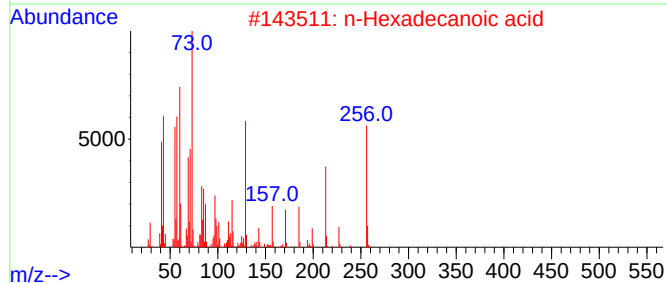
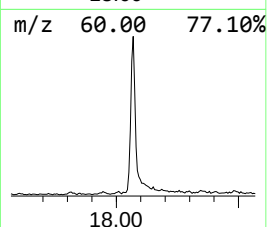
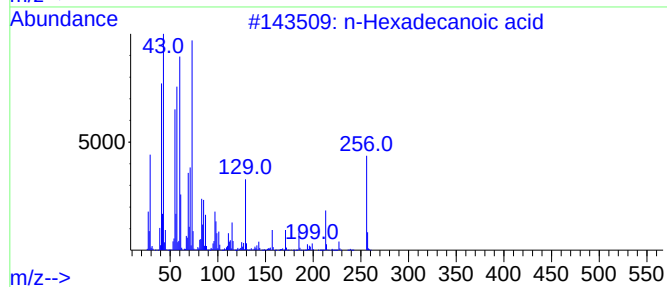
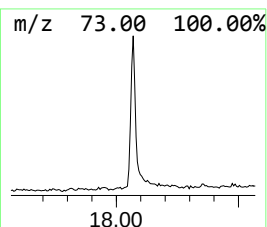
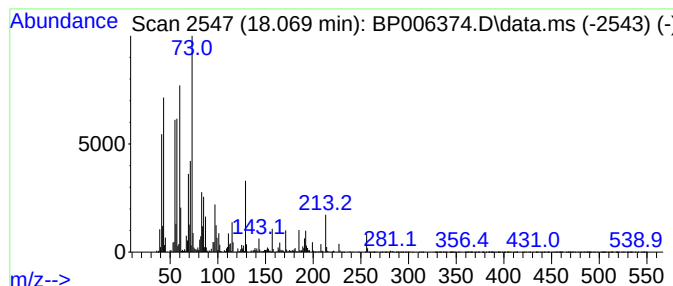
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION

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.   |
|--------|------------|--------|------------------|--------|
| 18.070 | 3.71 ng/ul | 810548 | Phenanthrene-d10 | 17.163 |

| 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 | 99      |      |      |
| 3    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 98      |      |      |
| 4    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 98      |      |      |
| 5    | n-Hexadecanoic acid | 256 | C16H32O2     | 000057-10-3 | 97      |      |      |



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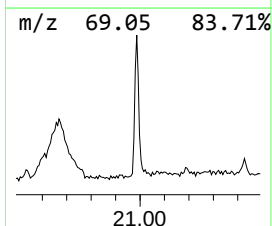
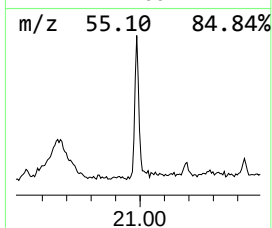
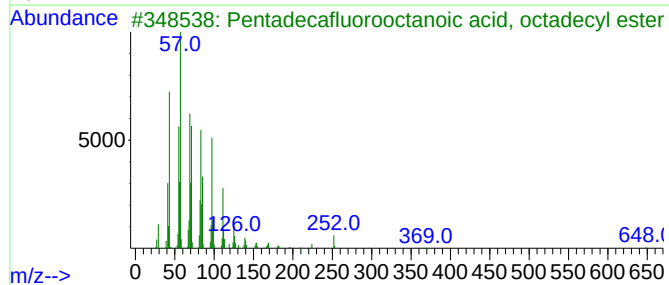
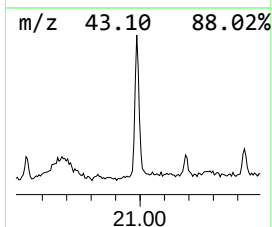
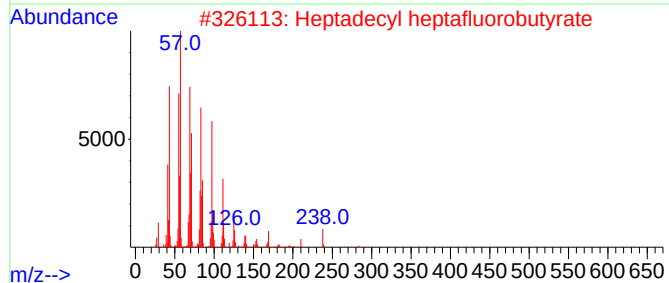
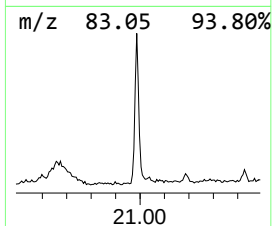
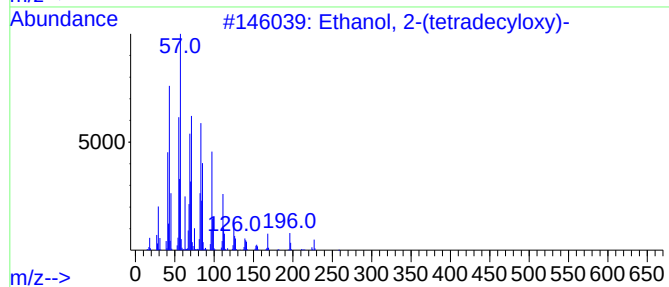
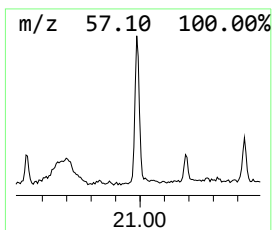
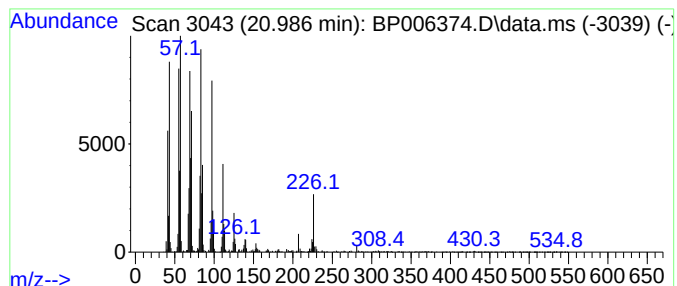
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Ethanol, 2-(tetradecyloxy)- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 20.990 | 3.60 ng/ul | 725121 | Chrysene-d12     | 21.257 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 95   |
| 2    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 3    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 94   |
| 4    |    |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 94   |
| 5    |    |   | Pentadecafluorooctanoic acid, he... | 638 | C24H33F15O2 | 1000406-04-6 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072721\  
Data File : BP006374.D  
Acq On : 27 Jul 2021 21:16  
Operator : CG/JU  
Sample : M3091-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0043

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.M  
Quant Title : SVOA CALIBRATION

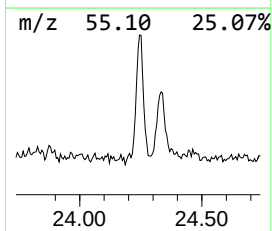
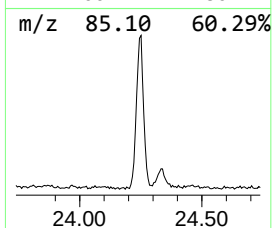
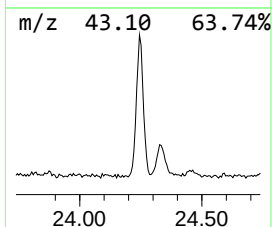
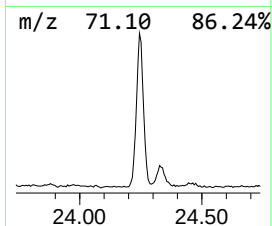
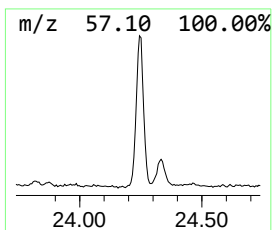
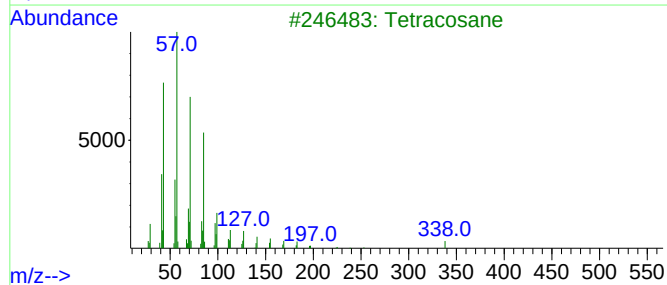
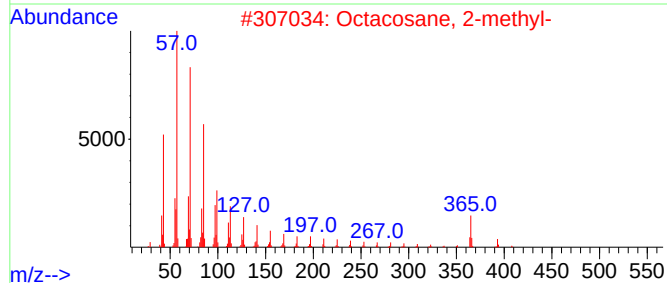
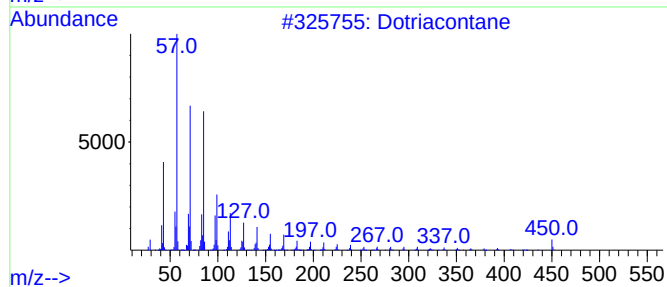
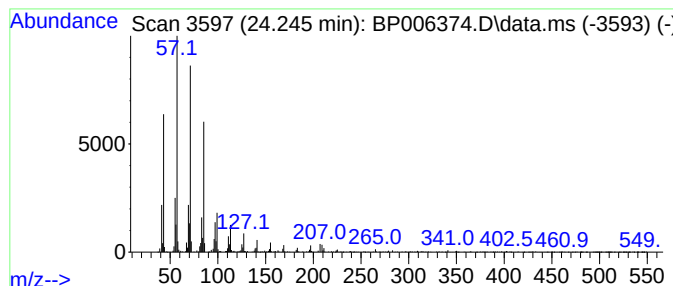
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 24.240 | 4.66 ng/ul | 753408 | Perylene-d12     | 23.604 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Dotriacontane         | 451 | C32H66  | 000544-85-4 | 95   |
| 2    |      | Octacosane, 2-methyl- | 408 | C29H60  | 001560-98-1 | 94   |
| 3    |      | Tetracosane           | 338 | C24H50  | 000646-31-1 | 94   |
| 4    |      | Tetracosane           | 338 | C24H50  | 000646-31-1 | 94   |
| 5    |      | Tetracosane           | 338 | C24H50  | 000646-31-1 | 92   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072721\  
Data File : BP006374.D  
Acq On : 27 Jul 2021 21:16  
Operator : CG/JU  
Sample : M3091-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0043

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP072421.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 ... | 18.070 | 3.7     | ng/ul | 810548   | 4                     | 17.163 | 4371200 | 20.0 |
| Ethanol, 2-(tet... | 20.990 | 3.6     | ng/ul | 725121   | 5                     | 21.257 | 4023690 | 20.0 |
| (DEL) Alkane: S... | 24.240 | 4.7     | ng/ul | 753408   | 6                     | 23.604 | 3235870 | 20.0 |