

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
 Data File : BN007672.D  
 Acq On : 16 Sep 2019 18:39  
 Operator : HP/JU  
 Sample : K4780-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 H0BN0

## 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-BN091619MA.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         | 3.016       | 3             | 5           | 29           | rVB      | 7352011        | 8696906       | 43.00%          | 4.286%        |
| 2         | 3.269       | 44            | 48          | 56           | rVB      | 121630         | 183935        | 0.91%           | 0.091%        |
| 3         | 3.893       | 150           | 154         | 160          | rVB      | 55551          | 83538         | 0.41%           | 0.041%        |
| 4         | 3.981       | 166           | 169         | 176          | rVB2     | 32005          | 45340         | 0.22%           | 0.022%        |
| 5         | 4.069       | 181           | 184         | 189          | rVB3     | 28147          | 42943         | 0.21%           | 0.021%        |
| 6         | 6.110       | 527           | 531         | 540          | rVB4     | 30734          | 54368         | 0.27%           | 0.027%        |
| 7         | 6.875       | 656           | 661         | 672          | rBV      | 729761         | 1267104       | 6.26%           | 0.624%        |
| 8         | 7.046       | 683           | 690         | 705          | rBV      | 1930085        | 3207660       | 15.86%          | 1.581%        |
| 9         | 7.240       | 716           | 723         | 734          | rBV      | 2438099        | 3830479       | 18.94%          | 1.888%        |
| 10        | 7.704       | 793           | 802         | 810          | rBV      | 2630128        | 4054253       | 20.04%          | 1.998%        |
| 11        | 7.775       | 812           | 814         | 820          | rVB3     | 22138          | 30943         | 0.15%           | 0.015%        |
| 12        | 8.398       | 913           | 920         | 934          | rBV      | 1999578        | 3186277       | 15.75%          | 1.570%        |
| 13        | 8.846       | 988           | 996         | 1007         | rBV      | 2673906        | 4384123       | 21.67%          | 2.160%        |
| 14        | 9.028       | 1023          | 1027        | 1032         | rVB7     | 13099          | 22718         | 0.11%           | 0.011%        |
| 15        | 9.316       | 1071          | 1076        | 1082         | rBV      | 78599          | 119351        | 0.59%           | 0.059%        |
| 16        | 9.563       | 1110          | 1118        | 1131         | rBV      | 1963783        | 3187157       | 15.76%          | 1.571%        |
| 17        | 9.975       | 1183          | 1188        | 1195         | rBV2     | 47377          | 87801         | 0.43%           | 0.043%        |
| 18        | 10.098      | 1201          | 1209        | 1221         | rBV      | 3439644        | 5698985       | 28.17%          | 2.808%        |
| 19        | 10.475      | 1265          | 1273        | 1280         | rBV      | 3671460        | 6045344       | 29.89%          | 2.979%        |
| 20        | 10.604      | 1288          | 1295        | 1309         | rBV      | 560204         | 1043930       | 5.16%           | 0.514%        |
| 21        | 11.810      | 1492          | 1500        | 1507         | rBV      | 214119         | 324966        | 1.61%           | 0.160%        |
| 22        | 11.975      | 1524          | 1528        | 1534         | rBV4     | 12175          | 24473         | 0.12%           | 0.012%        |
| 23        | 12.063      | 1537          | 1543        | 1551         | rVV      | 62166          | 104097        | 0.51%           | 0.051%        |
| 24        | 12.692      | 1646          | 1650        | 1656         | rBV8     | 17026          | 29018         | 0.14%           | 0.014%        |
| 25        | 12.945      | 1688          | 1693        | 1701         | rVB3     | 25058          | 43192         | 0.21%           | 0.021%        |
| 26        | 13.175      | 1726          | 1732        | 1737         | rVB4     | 25894          | 41801         | 0.21%           | 0.021%        |
| 27        | 13.745      | 1822          | 1829        | 1833         | rBV      | 6648583        | 9303901       | 46.00%          | 4.585%        |
| 28        | 13.786      | 1833          | 1836        | 1845         | rVB      | 1105206        | 1620762       | 8.01%           | 0.799%        |
| 29        | 14.022      | 1868          | 1876        | 1886         | rBV      | 7501193        | 11006288      | 54.41%          | 5.424%        |
| 30        | 14.333      | 1921          | 1929        | 1944         | rBV      | 5640553        | 8634348       | 42.69%          | 4.255%        |
| 31        | 14.516      | 1954          | 1960        | 1972         | rBV      | 689116         | 1112227       | 5.50%           | 0.548%        |
| 32        | 14.757      | 1996          | 2001        | 2007         | rVV8     | 39118          | 60416         | 0.30%           | 0.030%        |
| 33        | 15.080      | 2052          | 2056        | 2060         | rVB      | 18504          | 25390         | 0.13%           | 0.013%        |
| 34        | 15.157      | 2065          | 2069        | 2072         | rVB3     | 23969          | 27256         | 0.13%           | 0.013%        |

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 BNA\_N  
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## Integration Parameters: LSCINT.P

Integrator: RTE  
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 Sampling : 1  
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 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-BN091619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 35 | 15.222 | 2073 | 2080 | 2081 | rBV6 | 25410    | 42838    | 0.21%   | 0.021% |
| 36 | 15.328 | 2091 | 2098 | 2105 | rBV  | 9824816  | 13948220 | 68.96%  | 6.873% |
| 37 | 15.439 | 2111 | 2117 | 2128 | rBV  | 1049407  | 1463880  | 7.24%   | 0.721% |
| 38 | 15.569 | 2131 | 2139 | 2145 | rVV  | 121083   | 179042   | 0.89%   | 0.088% |
| 39 | 15.892 | 2189 | 2194 | 2197 | rBV8 | 15607    | 24099    | 0.12%   | 0.012% |
| 40 | 16.069 | 2221 | 2224 | 2227 | rBV4 | 22598    | 27432    | 0.14%   | 0.014% |
| 41 | 16.110 | 2227 | 2231 | 2238 | rVB3 | 48594    | 71543    | 0.35%   | 0.035% |
| 42 | 16.757 | 2337 | 2341 | 2344 | rBV5 | 26380    | 33076    | 0.16%   | 0.016% |
| 43 | 16.863 | 2355 | 2359 | 2363 | rVB3 | 43967    | 62973    | 0.31%   | 0.031% |
| 44 | 16.998 | 2379 | 2382 | 2388 | rBV7 | 20178    | 32768    | 0.16%   | 0.016% |
| 45 | 17.075 | 2388 | 2395 | 2401 | rBV2 | 7174588  | 9831637  | 48.61%  | 4.845% |
| 46 | 17.174 | 2405 | 2412 | 2423 | rVV  | 11124046 | 15654652 | 77.39%  | 7.714% |
| 47 | 17.310 | 2429 | 2435 | 2441 | rBV  | 317906   | 501696   | 2.48%   | 0.247% |
| 48 | 17.374 | 2442 | 2446 | 2454 | rVB  | 146102   | 193023   | 0.95%   | 0.095% |
| 49 | 17.480 | 2460 | 2464 | 2468 | rVV5 | 64919    | 89835    | 0.44%   | 0.044% |
| 50 | 17.986 | 2545 | 2550 | 2555 | rBV2 | 689464   | 982191   | 4.86%   | 0.484% |
| 51 | 18.292 | 2599 | 2602 | 2607 | rBV5 | 85909    | 126698   | 0.63%   | 0.062% |
| 52 | 18.933 | 2708 | 2711 | 2716 | rVB2 | 70487    | 91273    | 0.45%   | 0.045% |
| 53 | 19.104 | 2736 | 2740 | 2747 | rBV3 | 160281   | 353442   | 1.75%   | 0.174% |
| 54 | 19.274 | 2765 | 2769 | 2779 | rBV  | 341013   | 569303   | 2.81%   | 0.281% |
| 55 | 19.357 | 2780 | 2783 | 2788 | rVB  | 115809   | 166515   | 0.82%   | 0.082% |
| 56 | 19.474 | 2797 | 2803 | 2808 | rBV  | 13143044 | 18818242 | 93.03%  | 9.273% |
| 57 | 19.516 | 2808 | 2810 | 2813 | rVV3 | 183936   | 188132   | 0.93%   | 0.093% |
| 58 | 19.545 | 2813 | 2815 | 2819 | rVB5 | 105451   | 104047   | 0.51%   | 0.051% |
| 59 | 20.545 | 2982 | 2985 | 2989 | rBV  | 549319   | 638970   | 3.16%   | 0.315% |
| 60 | 21.010 | 3060 | 3064 | 3069 | rVV  | 1431733  | 2046367  | 10.12%  | 1.008% |
| 61 | 21.057 | 3069 | 3072 | 3082 | rVB  | 1081656  | 1538976  | 7.61%   | 0.758% |
| 62 | 21.268 | 3103 | 3108 | 3114 | rBV  | 8717050  | 10882384 | 53.80%  | 5.363% |
| 63 | 21.386 | 3125 | 3128 | 3134 | rBV2 | 457908   | 844602   | 4.18%   | 0.416% |
| 64 | 21.451 | 3134 | 3139 | 3144 | rVV  | 1477149  | 2001978  | 9.90%   | 0.987% |
| 65 | 21.886 | 3209 | 3213 | 3220 | rBV3 | 1271454  | 2331093  | 11.52%  | 1.149% |
| 66 | 22.345 | 3287 | 3291 | 3296 | rVB  | 1062603  | 1369826  | 6.77%   | 0.675% |
| 67 | 22.851 | 3374 | 3377 | 3384 | rVB2 | 1089411  | 1477671  | 7.31%   | 0.728% |
| 68 | 23.351 | 3455 | 3462 | 3469 | rVB  | 10569021 | 20227592 | 100.00% | 9.968% |
| 69 | 23.415 | 3470 | 3473 | 3479 | rVB  | 1226982  | 1990913  | 9.84%   | 0.981% |
| 70 | 23.492 | 3480 | 3486 | 3493 | rBV2 | 5671100  | 10199585 | 50.42%  | 5.026% |
| 71 | 24.056 | 3579 | 3582 | 3605 | rVB3 | 1370309  | 4534225  | 22.42%  | 2.234% |

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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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\_N\METHODS\SOM-EPA-BN091619MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |       |        |
|----|--------|------|------|------|------|--------|---------|-------|--------|
| 72 | 24.804 | 3704 | 3709 | 3718 | rVB2 | 749021 | 1661096 | 8.21% | 0.819% |
|----|--------|------|------|------|------|--------|---------|-------|--------|

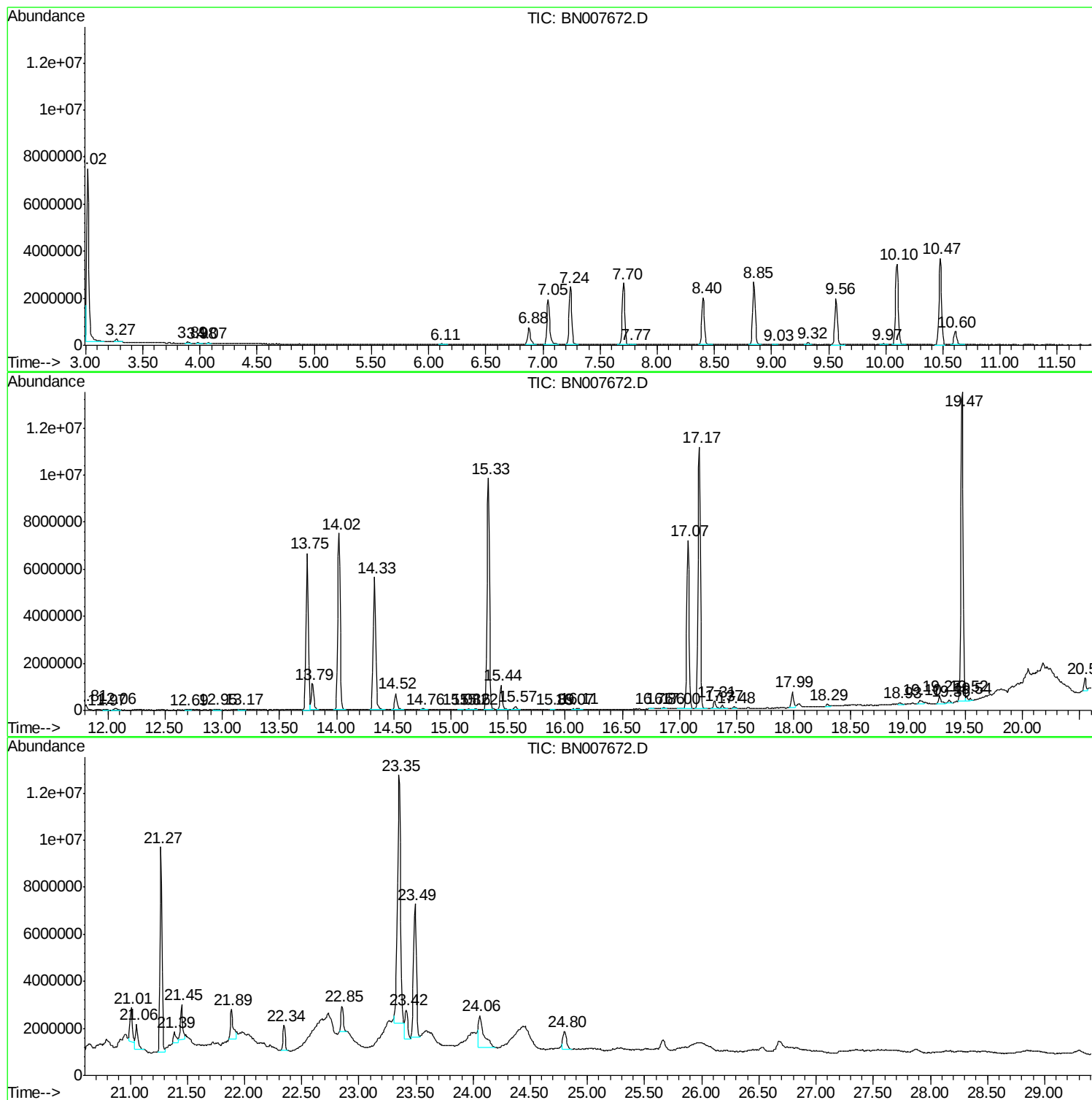
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091619MA.M  
Quant Title : SVOA CALIBRATION

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



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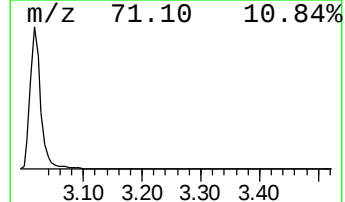
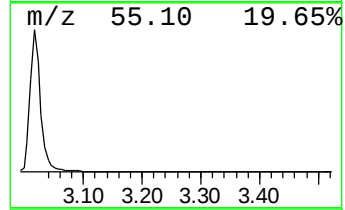
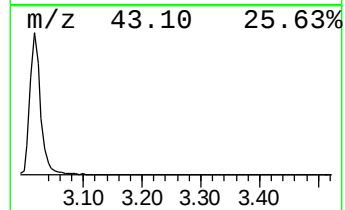
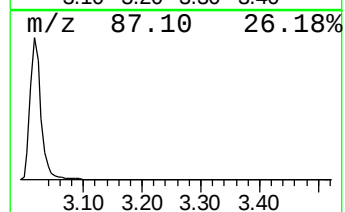
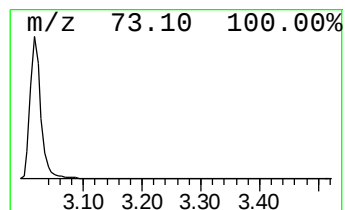
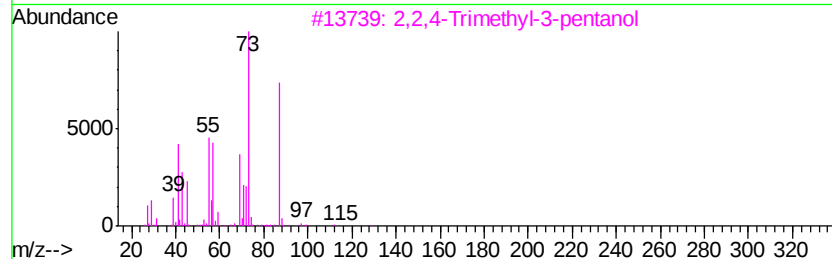
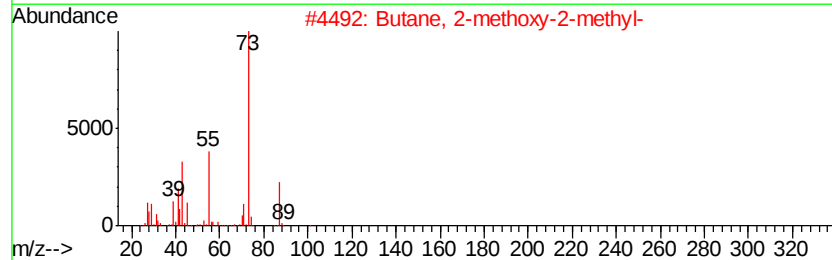
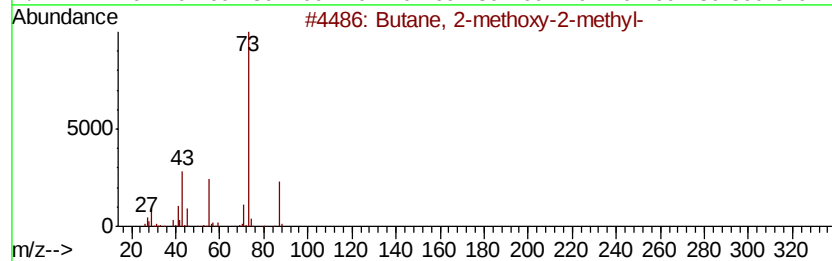
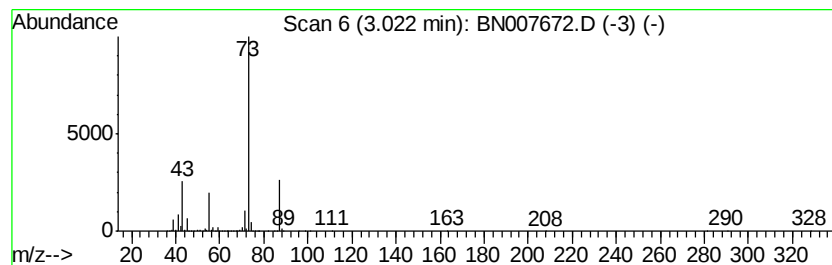
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091619MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD       | R.T. |
|------|-------------|---------|------------------------|------|
| 3.02 | 42.90 ng/ul | 8696910 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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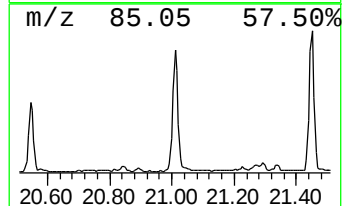
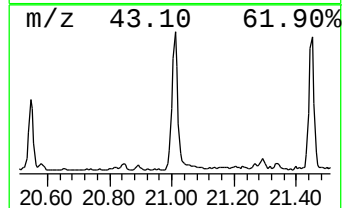
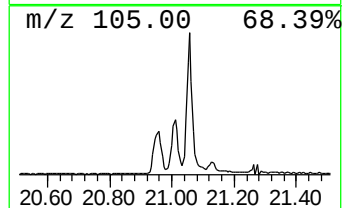
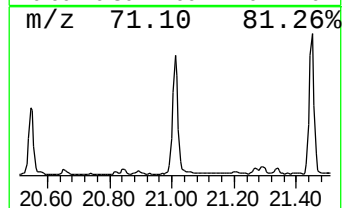
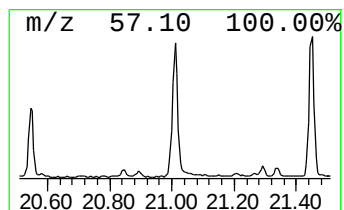
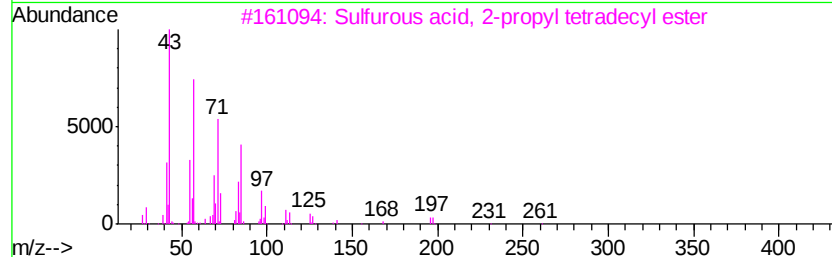
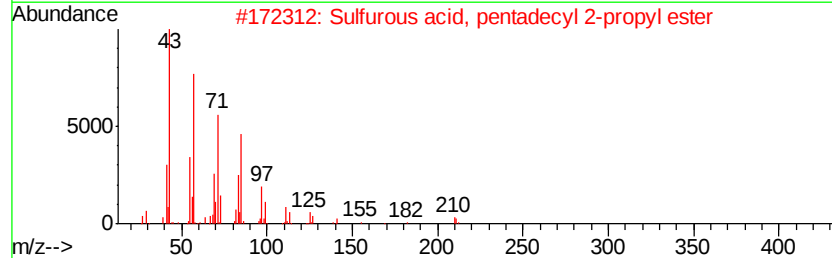
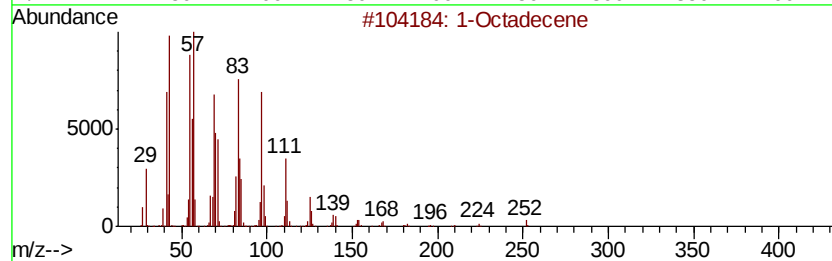
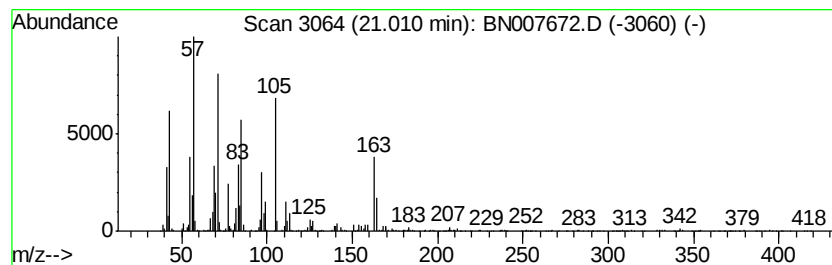
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Cyclic21.01 Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.01 | 3.76 ng/ul | 2046370 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|--------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 1-Octadecene                         | 252 | C18H36      | 000112-88-9  | 91   |
| 2    |    | Sulfurous acid, pentadecyl 2-pro...  | 334 | C18H38O3S   | 1000309-12-6 | 83   |
| 3    |    | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S   | 1000309-12-5 | 83   |
| 4    |    | 1-Octadecanesulphonyl chloride       | 352 | C18H37ClO2S | 1000342-70-4 | 83   |
| 5    |    | Dodecane                             | 170 | C12H26      | 000112-40-3  | 64   |



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Quant Title : SVOA CALIBRATION

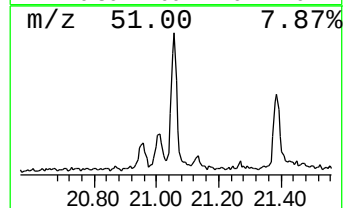
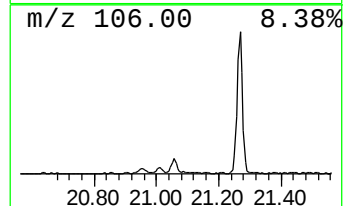
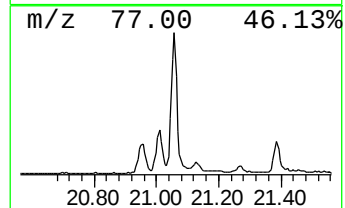
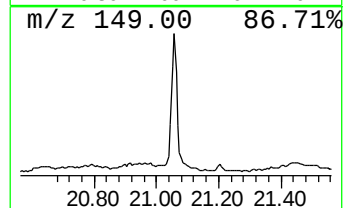
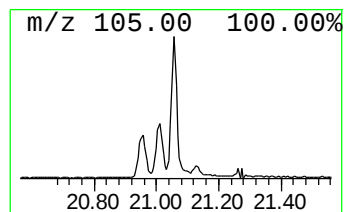
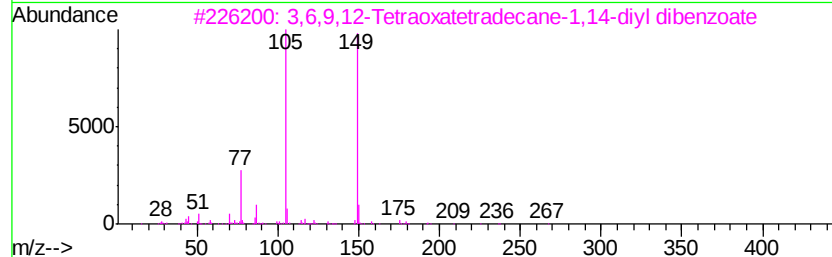
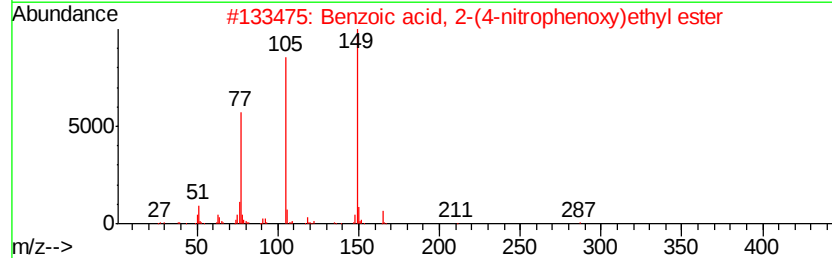
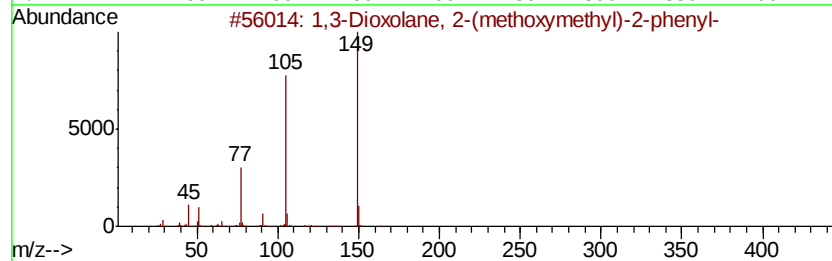
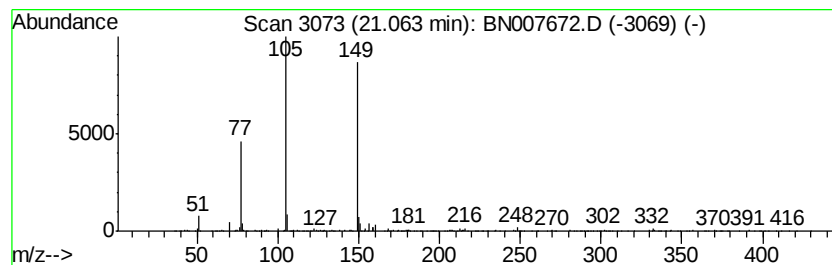
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 1,3-Dioxolane, 2-(methoxyme... Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.06 | 2.83 ng/ul | 1538980 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3  | 1000156-71-2 | 78   |
| 2    |    | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 72   |
| 3    |    | 3,6,9,12-Tetraoxatetradecane-1,1... | 446 | C24H30O8  | 1000366-97-0 | 53   |
| 4    |    | Diethylene glycol dibenzoate        | 314 | C18H18O5  | 000120-55-8  | 43   |
| 5    |    | 2,5,8,11-Tetraoxatridecan-13-yl ... | 312 | C16H24O6  | 1000366-96-7 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
Data File : BN007672.D  
Acq On : 16 Sep 2019 18:39  
Operator : HP/JU  
Sample : K4780-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
H0BN0

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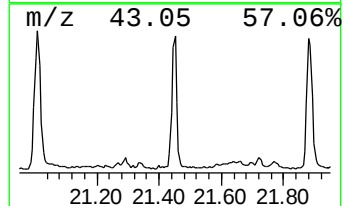
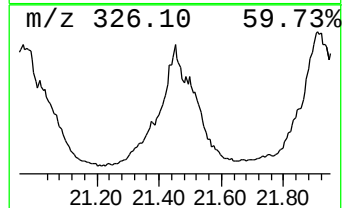
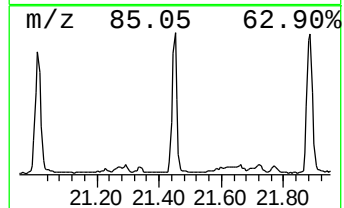
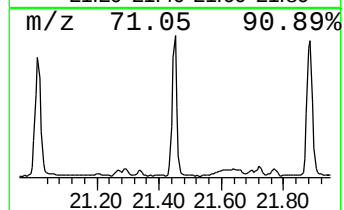
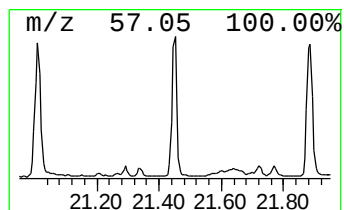
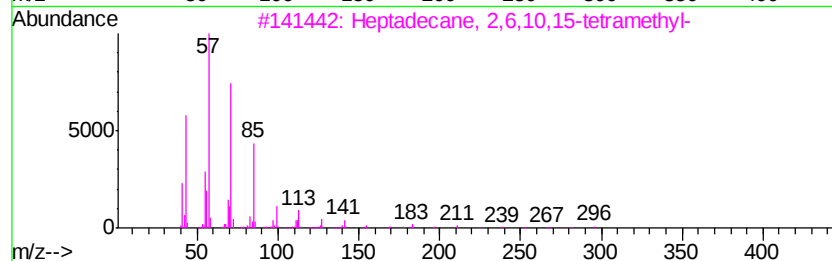
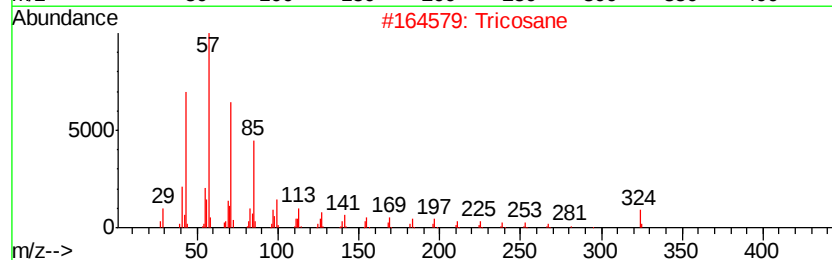
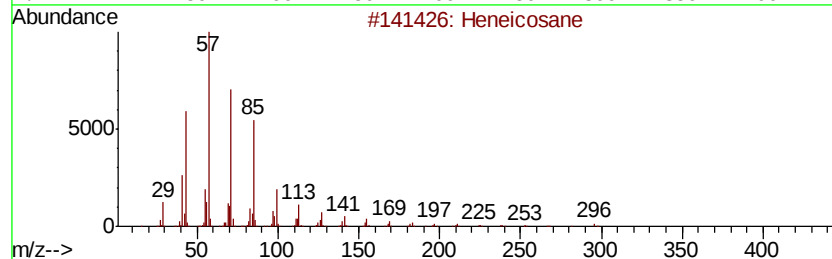
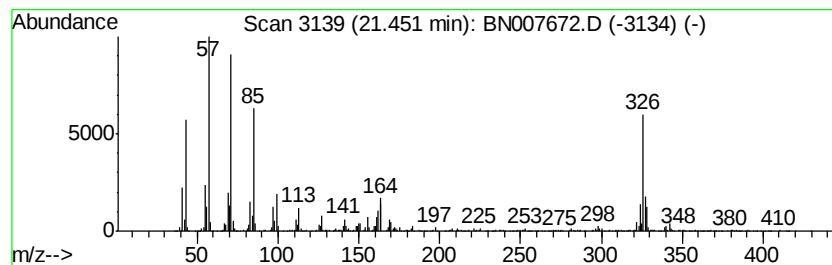
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.45 | 3.68 ng/ul | 2001980 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 94   |
| 2    |    | Tricosane                           | 324 | C23H48  | 000638-67-5 | 83   |
| 3    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 70   |
| 4    |    | Acenaphtho[1,2-ilfluoranthene       | 326 | C26H14  | 000193-21-5 | 64   |
| 5    |    | Rubicene-                           | 326 | C26H14  | 000197-61-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
Data File : BN007672.D  
Acq On : 16 Sep 2019 18:39  
Operator : HP/JU  
Sample : K4780-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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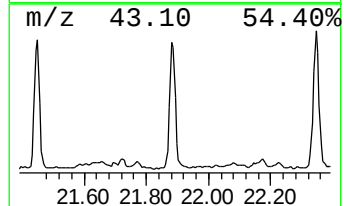
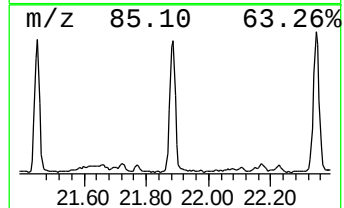
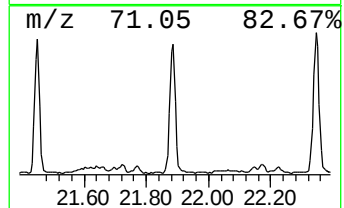
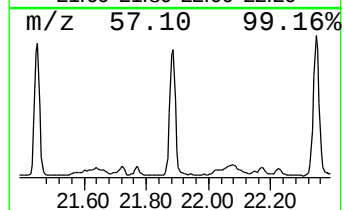
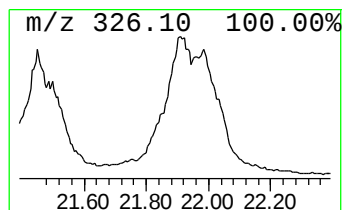
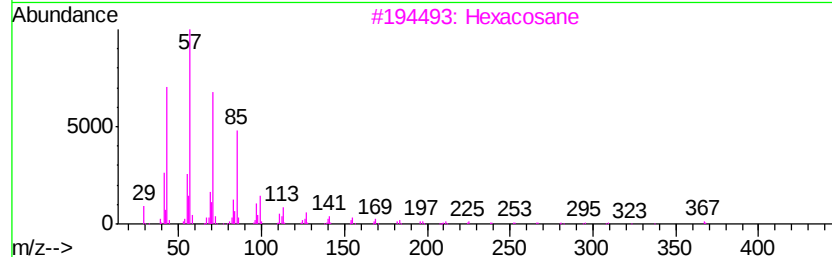
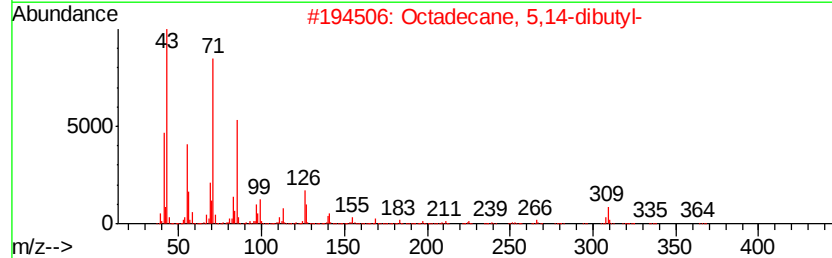
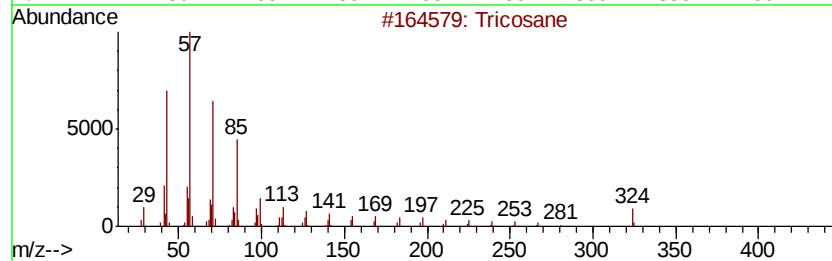
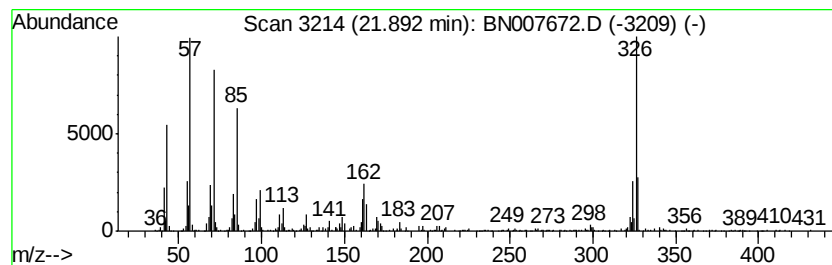
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.89 | 4.28 ng/ul | 2331090 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------|-----|---------|--------------|------|
| 1    | 5  | Tricosane                 | 324 | C23H48  | 000638-67-5  | 83   |
| 2    |    | Octadecane, 5,14-dibutyl- | 366 | C26H54  | 055282-13-8  | 78   |
| 3    |    | Hexacosane                | 366 | C26H54  | 000630-01-3  | 60   |
| 4    |    | 2-methyloctacosane        | 408 | C29H60  | 1000376-72-8 | 60   |
| 5    |    | 1-Iodo-2-methylundecane   | 296 | C12H25I | 073105-67-6  | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
Data File : BN007672.D  
Acq On : 16 Sep 2019 18:39  
Operator : HP/JU  
Sample : K4780-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
H0BN0

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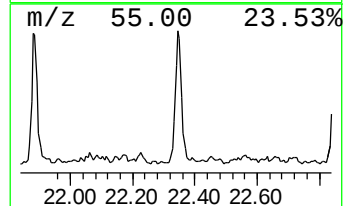
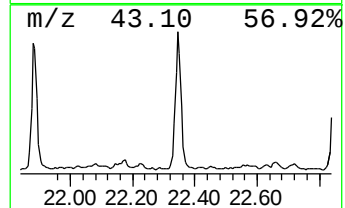
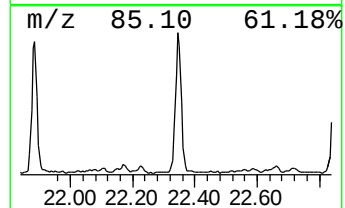
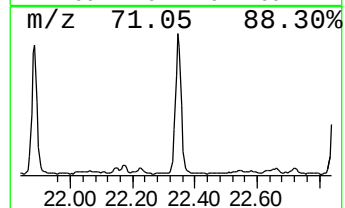
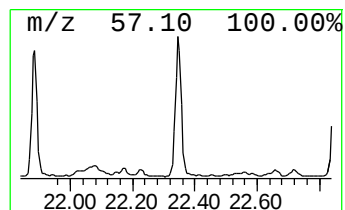
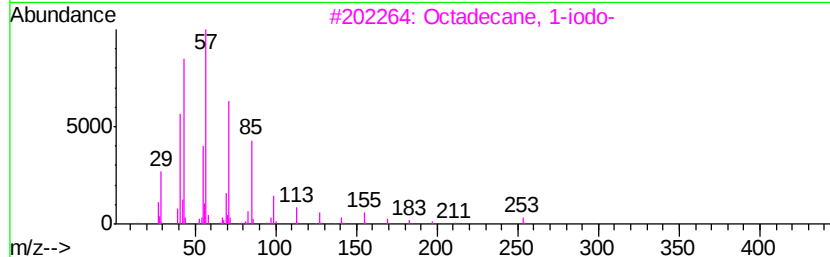
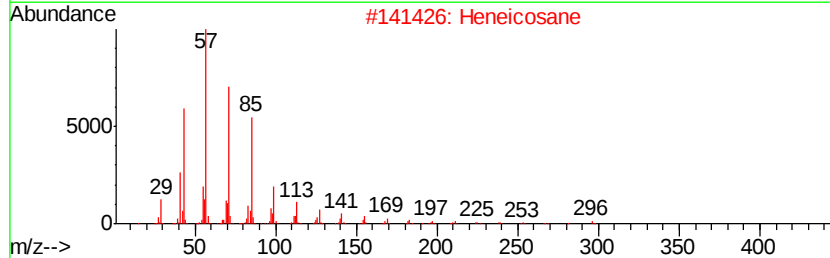
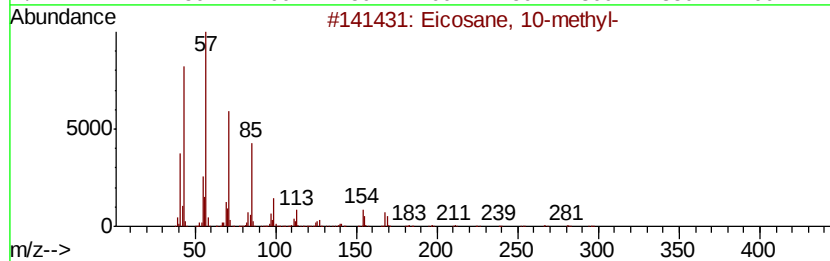
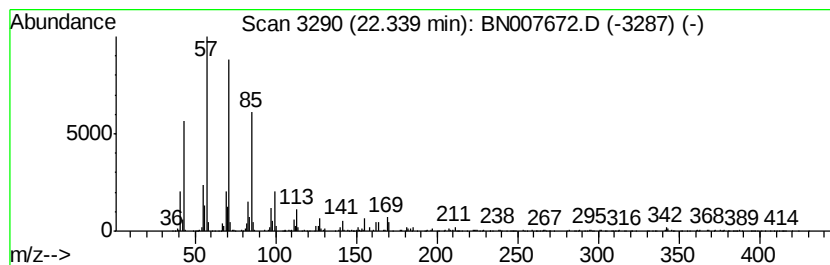
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.34 | 2.52 ng/ul | 1369830 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Octadecane, 1-iodo-   | 380 | C18H37I | 000629-93-6 | 87   |
| 4    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 87   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
Data File : BN007672.D  
Acq On : 16 Sep 2019 18:39  
Operator : HP/JU  
Sample : K4780-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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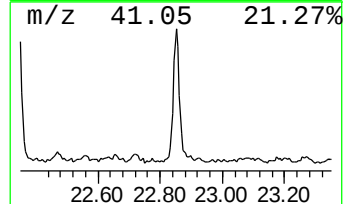
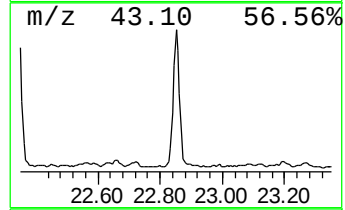
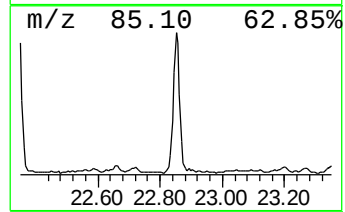
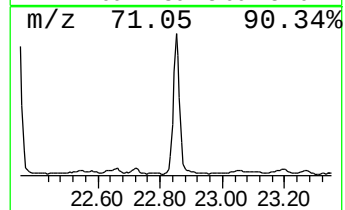
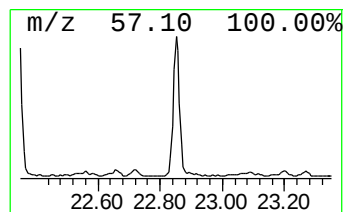
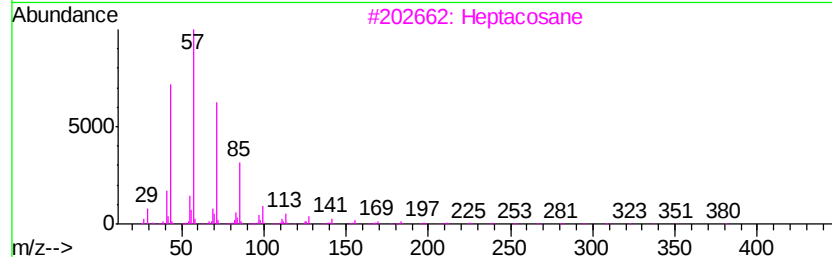
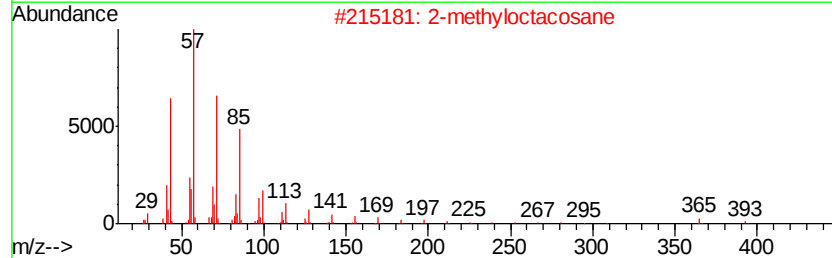
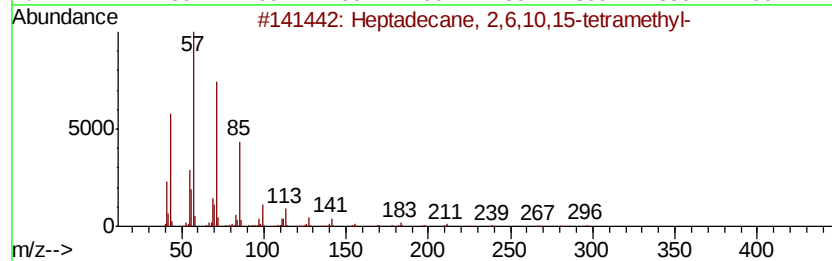
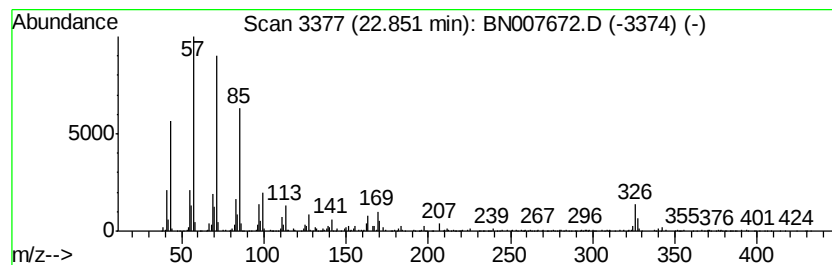
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.85 | 2.90 ng/ul | 1477670 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6  | 93   |
| 2    |    | 2-methyloctacosane                  | 408 | C29H60  | 1000376-72-8 | 83   |
| 3    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7  | 83   |
| 4    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7  | 80   |
| 5    |    | Octadecane                          | 254 | C18H38  | 000593-45-3  | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
 Data File : BN007672.D  
 Acq On : 16 Sep 2019 18:39  
 Operator : HP/JU  
 Sample : K4780-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
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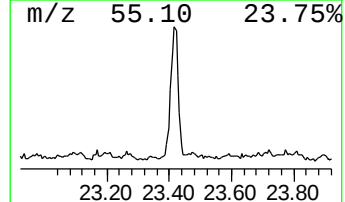
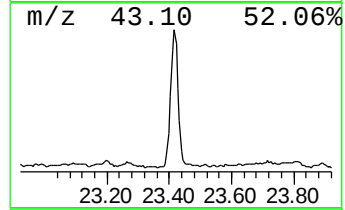
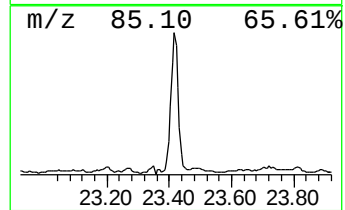
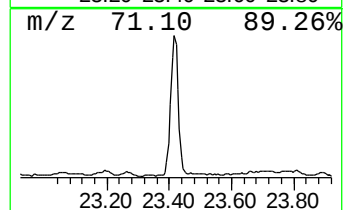
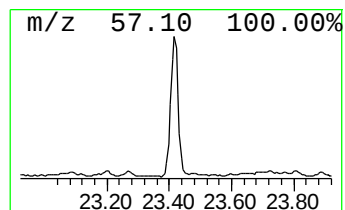
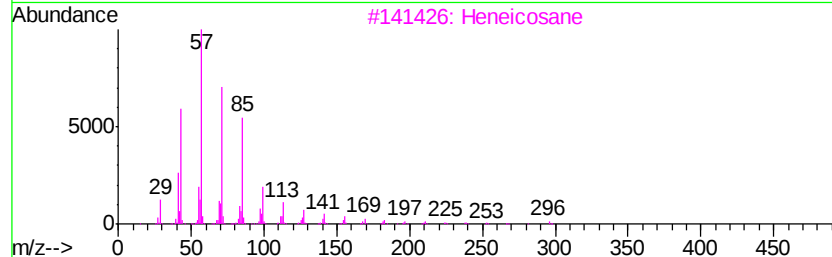
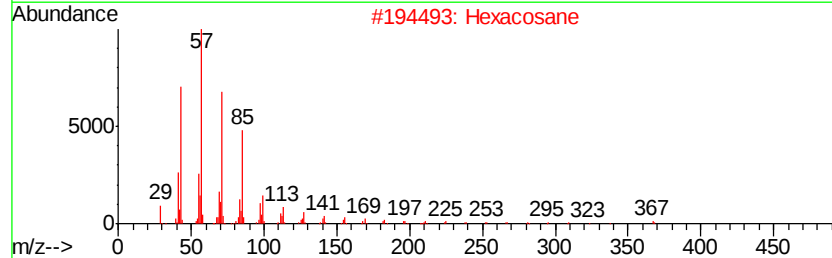
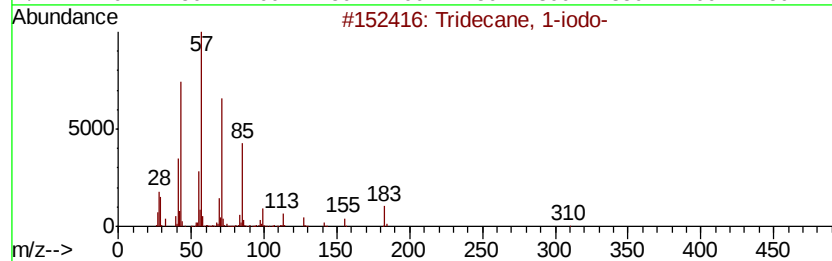
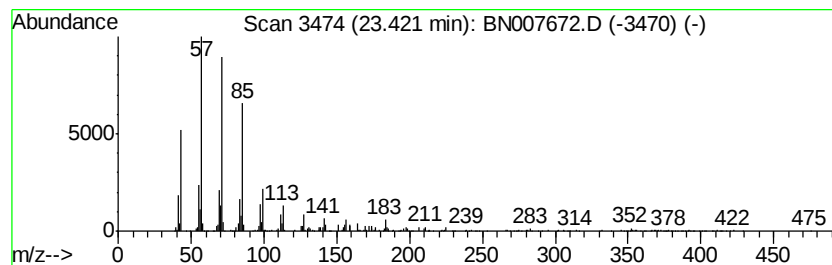
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 TIC Integration Parameters: LSCINT.P

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 Peak Number 8 Tridecane, 1-iodo- Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.42 | 3.90 ng/ul | 1990910 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0  | 90   |
| 2    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 90   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 90   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 5    |    | Triacontane        | 422 | C30H62  | 000638-68-6  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
 Data File : BN007672.D  
 Acq On : 16 Sep 2019 18:39  
 Operator : HP/JU  
 Sample : K4780-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
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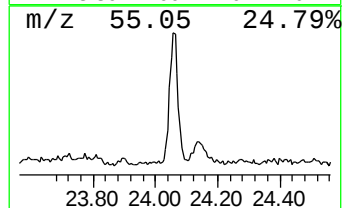
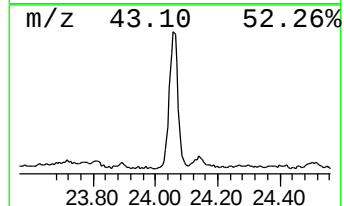
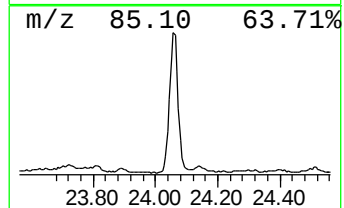
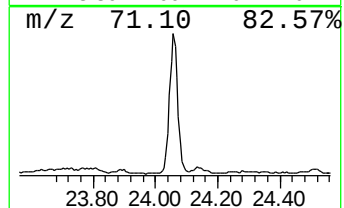
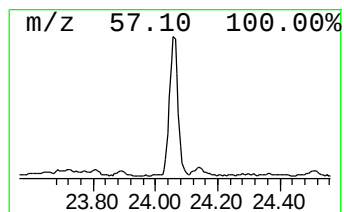
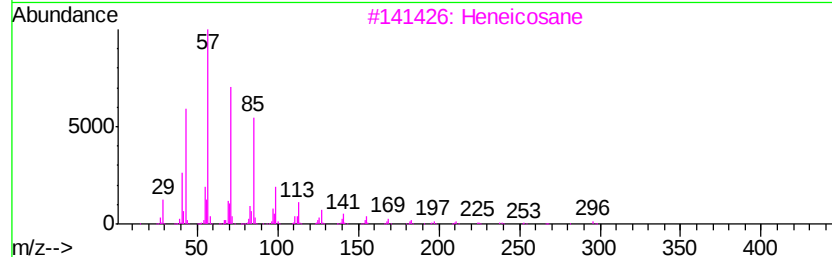
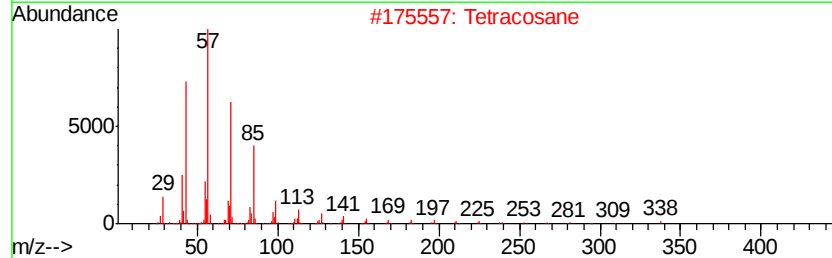
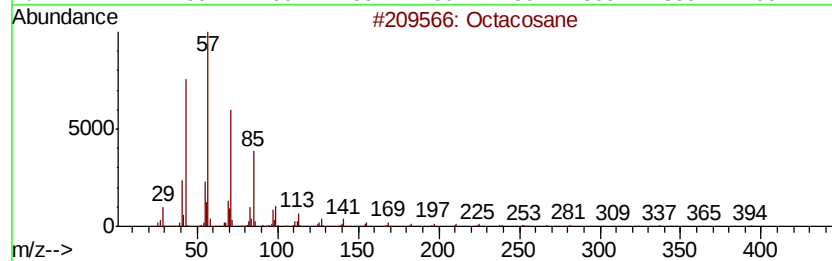
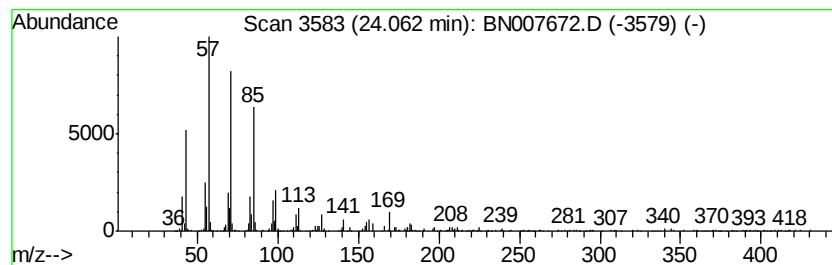
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.06 | 8.89 ng/ul | 4534230 | Perylene-d12     | 23.49 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane            | 394 | C28H58  | 000630-02-4 | 93   |
| 2    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 93   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 90   |
| 5    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\  
Data File : BN007672.D  
Acq On : 16 Sep 2019 18:39  
Operator : HP/JU  
Sample : K4780-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
H0BN0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091619MA.M  
Quant Title : SVOA CALIBRATION

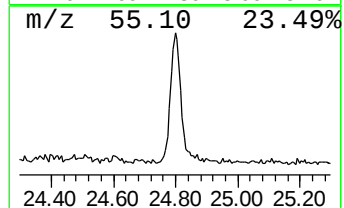
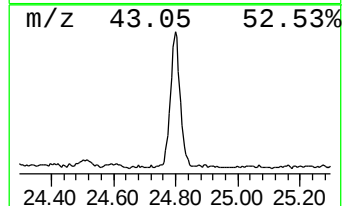
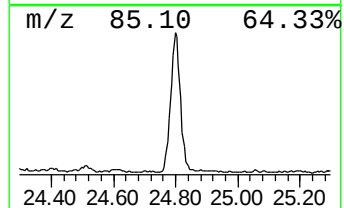
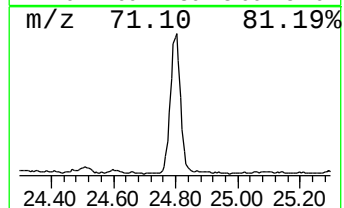
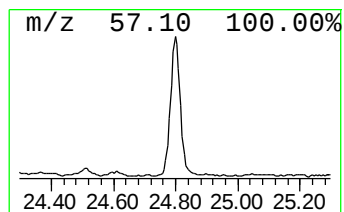
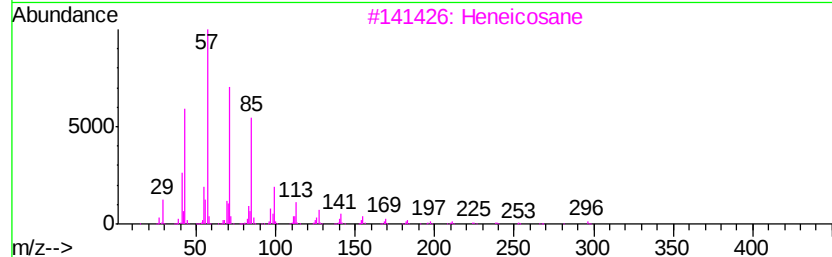
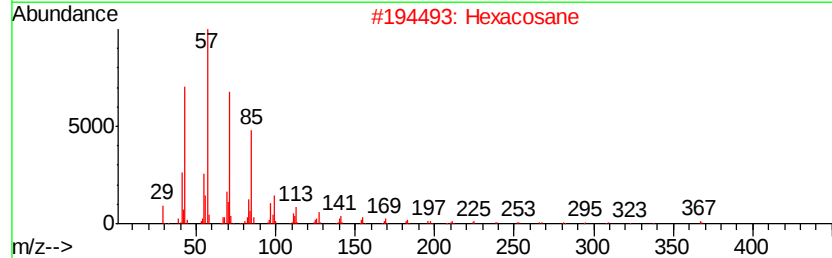
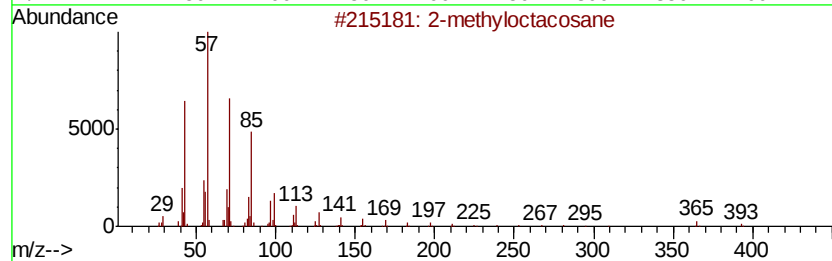
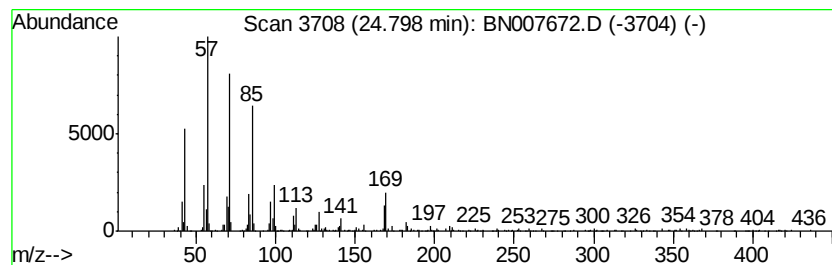
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.80 | 3.26 ng/ul | 1661100 | Perylene-d12     | 23.49 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 90   |
| 2    |    |   | Hexacosane          | 366 | C26H54  | 000630-01-3  | 87   |
| 3    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7  | 81   |
| 4    |    |   | Eicosane, 9-octyl-  | 394 | C28H58  | 013475-77-9  | 74   |
| 5    |    |   | Tridecane, 7-hexyl- | 268 | C19H40  | 007225-66-3  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091619\  
 Data File : BN007672.D  
 Acq On : 16 Sep 2019 18:39  
 Operator : HP/JU  
 Sample : K4780-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 H0BN0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091619MA.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 |
| Butane, 2-methoxy... | 3.02  | 42.9    | ng/ul | 8696910  | 1                     | 7.70  | 4054250  | 20.0 |
| (DEL) Alkane: Cyc... | 21.01 | 3.8     | ng/ul | 2046370  | 5                     | 21.27 | 10882400 | 20.0 |
| 1,3-Dioxolane, 2-... | 21.06 | 2.8     | ng/ul | 1538980  | 5                     | 21.27 | 10882400 | 20.0 |
| (DEL) Alkane: Str... | 21.45 | 3.7     | ng/ul | 2001980  | 5                     | 21.27 | 10882400 | 20.0 |
| (DEL) Alkane: Str... | 21.89 | 4.3     | ng/ul | 2331090  | 5                     | 21.27 | 10882400 | 20.0 |
| (DEL) Alkane: Str... | 22.34 | 2.5     | ng/ul | 1369830  | 5                     | 21.27 | 10882400 | 20.0 |
| (DEL) Alkane: Str... | 22.85 | 2.9     | ng/ul | 1477670  | 6                     | 23.49 | 10199600 | 20.0 |
| Tridecane, 1-iodo-   | 23.42 | 3.9     | ng/ul | 1990910  | 6                     | 23.49 | 10199600 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 8.9     | ng/ul | 4534230  | 6                     | 23.49 | 10199600 | 20.0 |
| (DEL) Alkane: Str... | 24.80 | 3.3     | ng/ul | 1661100  | 6                     | 23.49 | 10199600 | 20.0 |