

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
 Data File : BN006070.D  
 Acq On : 04 Jun 2019 18:59  
 Operator : JU/SJ  
 Sample : K2927-21  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A42F0

## 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-BN060419MA.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         | 3.152       | 24            | 28          | 31           | rBV      | 69271          | 85297         | 0.95%           | 0.042%        |
| 2         | 3.187       | 31            | 34          | 44           | rVB      | 223072         | 265154        | 2.95%           | 0.131%        |
| 3         | 3.787       | 132           | 136         | 139          | rVB2     | 12567          | 15863         | 0.18%           | 0.008%        |
| 4         | 3.881       | 147           | 152         | 157          | rVB      | 16137          | 21294         | 0.24%           | 0.011%        |
| 5         | 4.781       | 300           | 305         | 314          | rBV      | 239806         | 338664        | 3.77%           | 0.168%        |
| 6         | 5.746       | 466           | 469         | 476          | rVB5     | 6838           | 11374         | 0.13%           | 0.006%        |
| 7         | 6.793       | 640           | 647         | 650          | rBV      | 1140713        | 1918575       | 21.35%          | 0.951%        |
| 8         | 6.822       | 650           | 652         | 654          | rVV      | 1217026        | 1605592       | 17.87%          | 0.796%        |
| 9         | 6.852       | 654           | 657         | 669          | rVB      | 1972676        | 2925797       | 32.56%          | 1.450%        |
| 10        | 6.987       | 674           | 680         | 689          | rVV      | 924476         | 1432195       | 15.94%          | 0.710%        |
| 11        | 7.075       | 689           | 695         | 707          | rVV      | 1098055        | 1679539       | 18.69%          | 0.832%        |
| 12        | 7.181       | 707           | 713         | 727          | rVB      | 1204252        | 1871836       | 20.83%          | 0.928%        |
| 13        | 7.646       | 786           | 792         | 800          | rBV      | 767832         | 1242875       | 13.83%          | 0.616%        |
| 14        | 7.710       | 800           | 803         | 811          | rVB      | 23909          | 43003         | 0.48%           | 0.021%        |
| 15        | 8.358       | 905           | 913         | 930          | rBV      | 1307021        | 2240675       | 24.93%          | 1.111%        |
| 16        | 8.716       | 967           | 974         | 981          | rBV      | 1928758        | 3022546       | 33.63%          | 1.498%        |
| 17        | 8.805       | 981           | 989         | 992          | rVV      | 1027376        | 1749180       | 19.46%          | 0.867%        |
| 18        | 8.846       | 992           | 996         | 1011         | rVV      | 684908         | 1165206       | 12.97%          | 0.578%        |
| 19        | 8.963       | 1012          | 1016        | 1023         | rVB6     | 10482          | 21647         | 0.24%           | 0.011%        |
| 20        | 9.222       | 1055          | 1060        | 1066         | rVB      | 51424          | 70200         | 0.78%           | 0.035%        |
| 21        | 9.522       | 1103          | 1111        | 1113         | rBV      | 874326         | 1458329       | 16.23%          | 0.723%        |
| 22        | 9.552       | 1113          | 1116        | 1138         | rVB      | 1141207        | 1818183       | 20.23%          | 0.901%        |
| 23        | 10.057      | 1195          | 1202        | 1218         | rBV      | 1348242        | 2332768       | 25.96%          | 1.156%        |
| 24        | 10.434      | 1257          | 1266        | 1269         | rBV      | 1058928        | 1803027       | 20.06%          | 0.894%        |
| 25        | 10.481      | 1269          | 1274        | 1283         | rVV      | 2649471        | 4388289       | 48.83%          | 2.175%        |
| 26        | 10.569      | 1283          | 1289        | 1304         | rVB      | 734385         | 1362742       | 15.16%          | 0.675%        |
| 27        | 11.863      | 1504          | 1509        | 1515         | rBV4     | 7348           | 14878         | 0.17%           | 0.007%        |
| 28        | 11.969      | 1517          | 1527        | 1534         | rBV3     | 56024          | 133123        | 1.48%           | 0.066%        |
| 29        | 12.028      | 1534          | 1537        | 1542         | rVB      | 25011          | 32870         | 0.37%           | 0.016%        |
| 30        | 12.104      | 1542          | 1550        | 1566         | rBV      | 4132162        | 6698015       | 74.53%          | 3.320%        |
| 31        | 12.222      | 1566          | 1570        | 1578         | rVV7     | 17309          | 37843         | 0.42%           | 0.019%        |
| 32        | 12.322      | 1580          | 1587        | 1602         | rVB      | 2126668        | 3497280       | 38.91%          | 1.733%        |
| 33        | 12.475      | 1607          | 1613        | 1624         | rBV      | 1167731        | 1842404       | 20.50%          | 0.913%        |
| 34        | 12.793      | 1659          | 1667        | 1682         | rBV      | 2763669        | 4353369       | 48.44%          | 2.158%        |

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 Stop Thrs : 0

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 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-BN060419MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.034 | 1701 | 1708 | 1713 | rVB7 | 10075   | 18225   | 0.20%  | 0.009% |
| 36 | 13.128 | 1717 | 1724 | 1728 | rBV  | 3580678 | 5425311 | 60.37% | 2.689% |
| 37 | 13.169 | 1728 | 1731 | 1744 | rVB  | 2922153 | 4162368 | 46.31% | 2.063% |
| 38 | 13.716 | 1817 | 1824 | 1828 | rBV  | 2265063 | 3180147 | 35.39% | 1.576% |
| 39 | 13.757 | 1828 | 1831 | 1841 | rVV  | 811930  | 1119645 | 12.46% | 0.555% |
| 40 | 13.840 | 1841 | 1845 | 1848 | rVB5 | 8357    | 12464   | 0.14%  | 0.006% |
| 41 | 13.993 | 1861 | 1871 | 1874 | rBV  | 2762735 | 4587662 | 51.05% | 2.274% |
| 42 | 14.022 | 1874 | 1876 | 1891 | rVB  | 2868921 | 3598451 | 40.04% | 1.784% |
| 43 | 14.210 | 1904 | 1908 | 1912 | rVB2 | 12430   | 17340   | 0.19%  | 0.009% |
| 44 | 14.304 | 1916 | 1924 | 1929 | rBV2 | 1437684 | 2224990 | 24.76% | 1.103% |
| 45 | 14.369 | 1929 | 1935 | 1944 | rVB  | 2981207 | 4364035 | 48.56% | 2.163% |
| 46 | 14.522 | 1952 | 1961 | 1966 | rBV3 | 1131509 | 2321708 | 25.83% | 1.151% |
| 47 | 14.581 | 1966 | 1971 | 1981 | rVV  | 2140248 | 3249837 | 36.16% | 1.611% |
| 48 | 14.681 | 1982 | 1988 | 1989 | rVV  | 1080384 | 1495251 | 16.64% | 0.741% |
| 49 | 14.704 | 1989 | 1992 | 2009 | rVB  | 1380114 | 2092792 | 23.29% | 1.037% |
| 50 | 15.134 | 2056 | 2065 | 2070 | rBV  | 1697428 | 2161360 | 24.05% | 1.071% |
| 51 | 15.298 | 2087 | 2093 | 2098 | rBV  | 3203871 | 4627512 | 51.49% | 2.294% |
| 52 | 15.357 | 2098 | 2103 | 2110 | rVV  | 3510910 | 4972499 | 55.33% | 2.465% |
| 53 | 15.428 | 2110 | 2115 | 2129 | rVV  | 768821  | 1159311 | 12.90% | 0.575% |
| 54 | 15.540 | 2130 | 2134 | 2142 | rVV  | 45562   | 80225   | 0.89%  | 0.040% |
| 55 | 15.604 | 2142 | 2145 | 2150 | rVB3 | 13203   | 22281   | 0.25%  | 0.011% |
| 56 | 15.669 | 2153 | 2156 | 2161 | rVB5 | 10425   | 14787   | 0.16%  | 0.007% |
| 57 | 15.875 | 2187 | 2191 | 2196 | rBV8 | 5660    | 12734   | 0.14%  | 0.006% |
| 58 | 16.034 | 2214 | 2218 | 2224 | rVV6 | 17730   | 31297   | 0.35%  | 0.016% |
| 59 | 16.087 | 2224 | 2227 | 2232 | rVB6 | 16090   | 21813   | 0.24%  | 0.011% |
| 60 | 16.204 | 2241 | 2247 | 2250 | rBV5 | 6975    | 13749   | 0.15%  | 0.007% |
| 61 | 16.251 | 2251 | 2255 | 2260 | rVB5 | 8405    | 10972   | 0.12%  | 0.005% |
| 62 | 16.363 | 2268 | 2274 | 2283 | rBV  | 1090393 | 1543557 | 17.18% | 0.765% |
| 63 | 16.598 | 2311 | 2314 | 2318 | rBV4 | 8805    | 11649   | 0.13%  | 0.006% |
| 64 | 16.704 | 2327 | 2332 | 2333 | rBV4 | 8069    | 13136   | 0.15%  | 0.007% |
| 65 | 16.728 | 2334 | 2336 | 2341 | rVB4 | 14713   | 16579   | 0.18%  | 0.008% |
| 66 | 16.969 | 2373 | 2377 | 2385 | rBV7 | 12743   | 22427   | 0.25%  | 0.011% |
| 67 | 17.057 | 2385 | 2392 | 2395 | rBV  | 1697777 | 2494232 | 27.75% | 1.236% |
| 68 | 17.098 | 2395 | 2399 | 2404 | rVV  | 3303471 | 4644853 | 51.68% | 2.302% |
| 69 | 17.157 | 2404 | 2409 | 2411 | rVV  | 3315416 | 4628393 | 51.50% | 2.294% |
| 70 | 17.192 | 2411 | 2415 | 2431 | rVB  | 5213871 | 7468747 | 83.10% | 3.702% |
| 71 | 17.469 | 2457 | 2462 | 2474 | rVB4 | 25725   | 53072   | 0.59%  | 0.026% |

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Sampling : 1  
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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-BN060419MA.M  
Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.563 | 2474 | 2478 | 2481 | rBV2 | 14552   | 17880   | 0.20%   | 0.009% |
| 73  | 17.963 | 2541 | 2546 | 2551 | rBV  | 69614   | 120791  | 1.34%   | 0.060% |
| 74  | 18.028 | 2554 | 2557 | 2561 | rVB  | 33860   | 43462   | 0.48%   | 0.022% |
| 75  | 18.257 | 2592 | 2596 | 2602 | rBV2 | 29509   | 42184   | 0.47%   | 0.021% |
| 76  | 18.481 | 2630 | 2634 | 2650 | rVB3 | 61479   | 128778  | 1.43%   | 0.064% |
| 77  | 18.898 | 2701 | 2705 | 2710 | rBV5 | 36916   | 51289   | 0.57%   | 0.025% |
| 78  | 19.128 | 2734 | 2744 | 2754 | rBV  | 3581883 | 4938455 | 54.95%  | 2.448% |
| 79  | 19.351 | 2778 | 2782 | 2783 | rBV  | 35203   | 41863   | 0.47%   | 0.021% |
| 80  | 19.463 | 2795 | 2801 | 2804 | rBV2 | 3996813 | 6156094 | 68.50%  | 3.051% |
| 81  | 19.492 | 2804 | 2806 | 2824 | rVB  | 3423653 | 3846971 | 42.80%  | 1.907% |
| 82  | 20.022 | 2889 | 2896 | 2899 | rBV5 | 43312   | 81802   | 0.91%   | 0.041% |
| 83  | 20.522 | 2977 | 2981 | 2986 | rBV3 | 68961   | 93609   | 1.04%   | 0.046% |
| 84  | 20.992 | 3056 | 3061 | 3071 | rBV  | 1107339 | 1776150 | 19.76%  | 0.880% |
| 85  | 21.257 | 3100 | 3106 | 3111 | rBV2 | 3771116 | 6799771 | 75.66%  | 3.370% |
| 86  | 21.304 | 3111 | 3114 | 3125 | rVB  | 2778677 | 3697386 | 41.14%  | 1.833% |
| 87  | 21.433 | 3132 | 3136 | 3141 | rBV  | 360296  | 412303  | 4.59%   | 0.204% |
| 88  | 21.869 | 3205 | 3210 | 3213 | rBV  | 708791  | 871064  | 9.69%   | 0.432% |
| 89  | 22.074 | 3240 | 3245 | 3251 | rBV  | 2965315 | 3748900 | 41.71%  | 1.858% |
| 90  | 22.327 | 3284 | 3288 | 3294 | rVB  | 1109941 | 1430106 | 15.91%  | 0.709% |
| 91  | 22.839 | 3368 | 3375 | 3379 | rBV2 | 5163862 | 8987207 | 100.00% | 4.454% |
| 92  | 22.880 | 3379 | 3382 | 3392 | rVB  | 2344636 | 3738692 | 41.60%  | 1.853% |
| 93  | 23.369 | 3458 | 3465 | 3468 | rBV  | 3020172 | 6071141 | 67.55%  | 3.009% |
| 94  | 23.404 | 3468 | 3471 | 3480 | rVV2 | 2970063 | 5639022 | 62.74%  | 2.795% |
| 95  | 23.504 | 3482 | 3488 | 3500 | rVB  | 1464510 | 2821764 | 31.40%  | 1.399% |
| 96  | 24.039 | 3572 | 3579 | 3587 | rVB  | 1079465 | 2073293 | 23.07%  | 1.028% |
| 97  | 24.774 | 3698 | 3704 | 3713 | rVB  | 605675  | 1333534 | 14.84%  | 0.661% |
| 98  | 25.639 | 3847 | 3851 | 3858 | rVB2 | 292224  | 592075  | 6.59%   | 0.293% |
| 99  | 25.751 | 3860 | 3870 | 3889 | rVB2 | 2301953 | 6744634 | 75.05%  | 3.343% |
| 100 | 26.433 | 3976 | 3986 | 3999 | rVB  | 1996602 | 6061021 | 67.44%  | 3.004% |

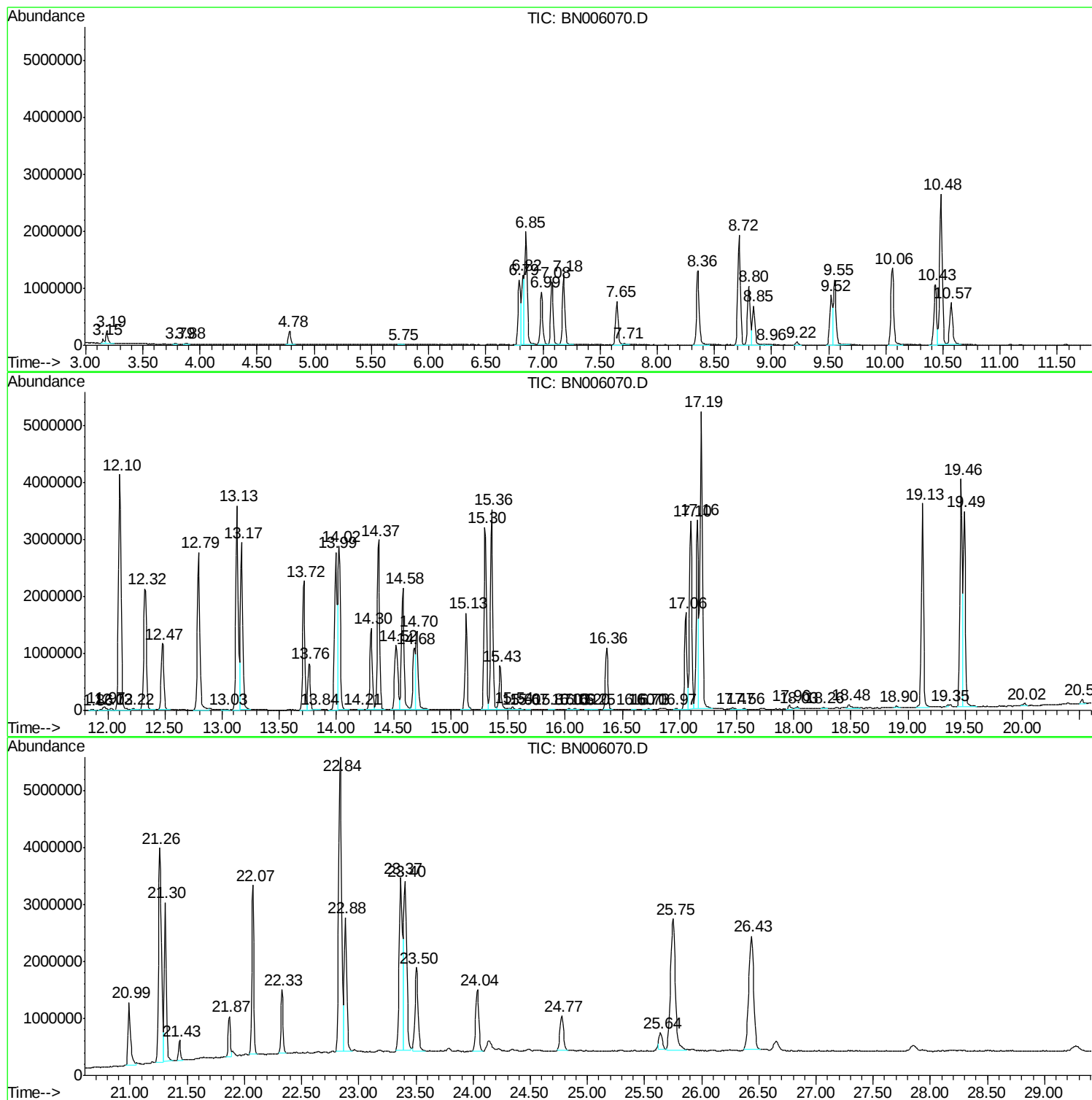
Sum of corrected areas: 201756284

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

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



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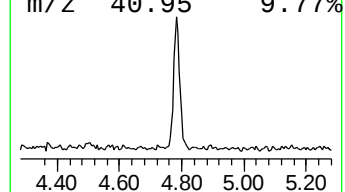
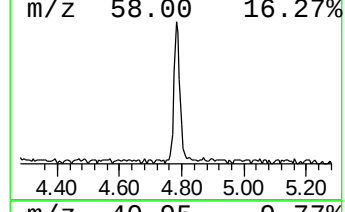
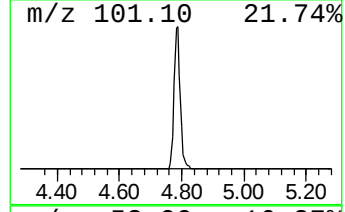
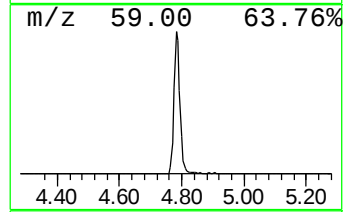
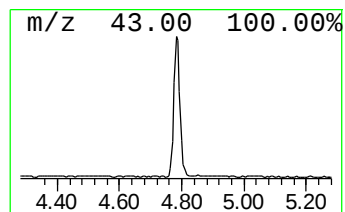
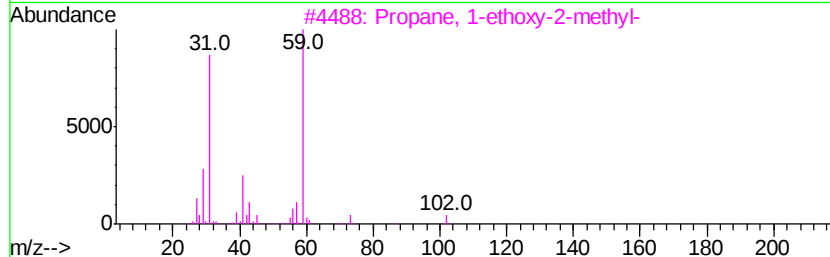
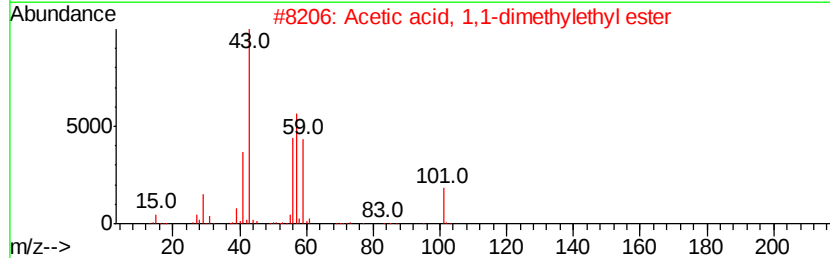
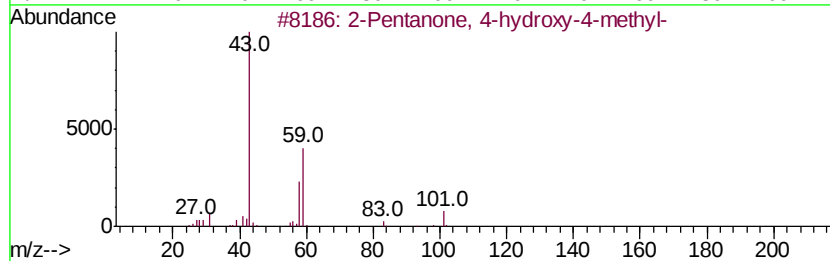
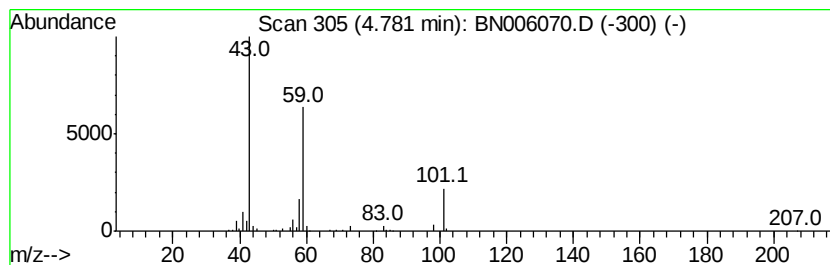
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.78 | 5.45 ng/ul | 338664 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    | Propane, 1-ethoxy-2-methyl-         | 102 | C6H14O  | 000627-02-1 | 32   |
| 4    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 28   |
| 5    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 28   |



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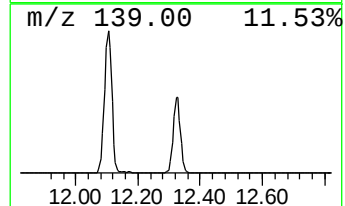
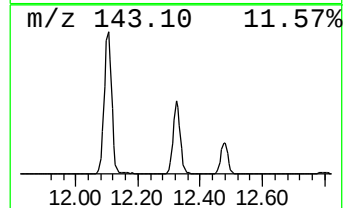
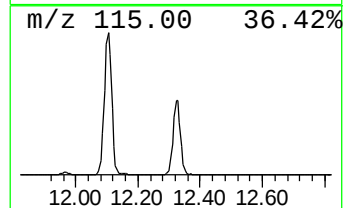
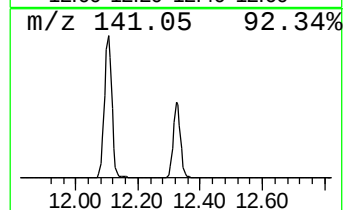
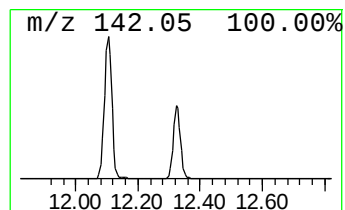
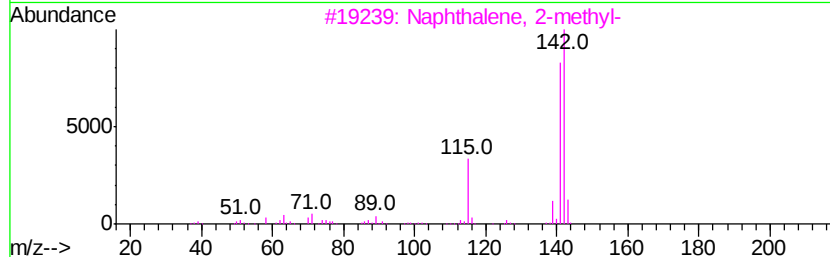
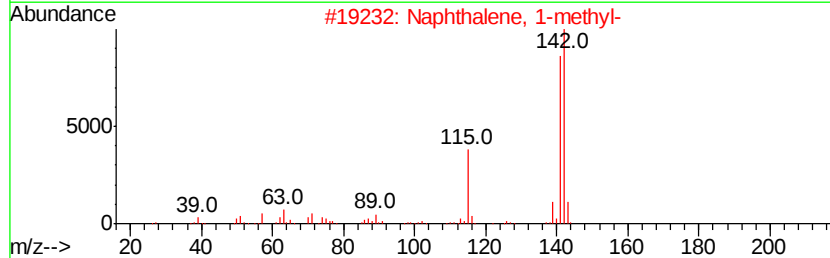
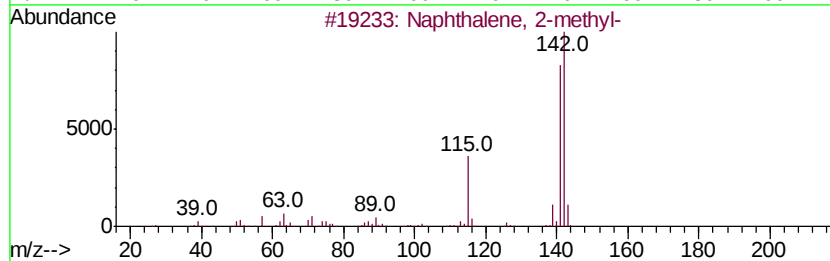
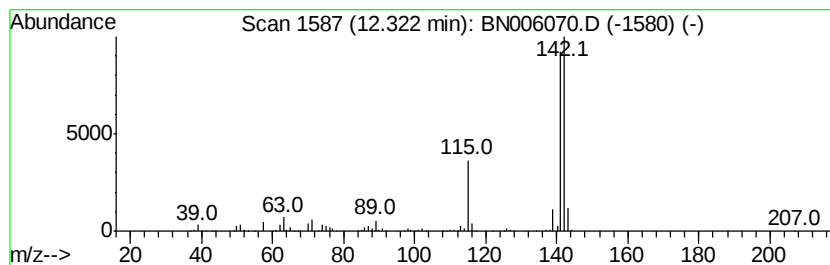
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 12.32 | 38.79 ng/ul | 3497280 | Naphthalene-d8   | 10.43 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |
| 5    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

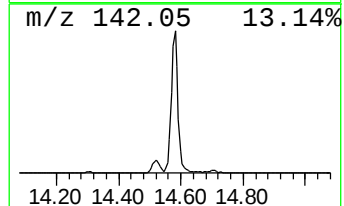
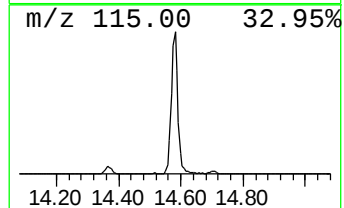
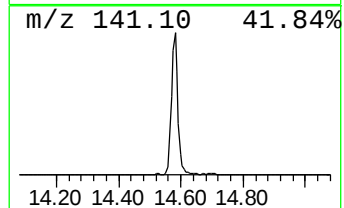
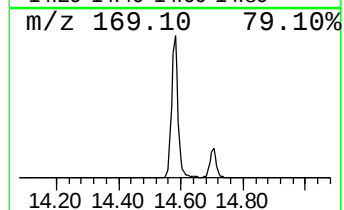
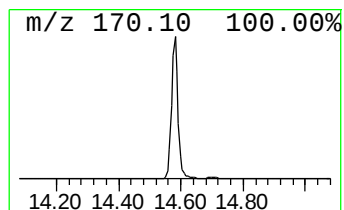
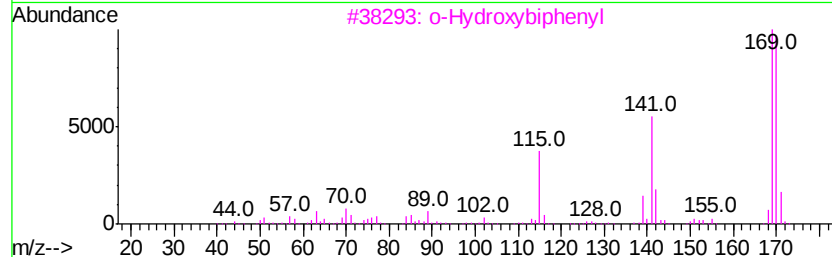
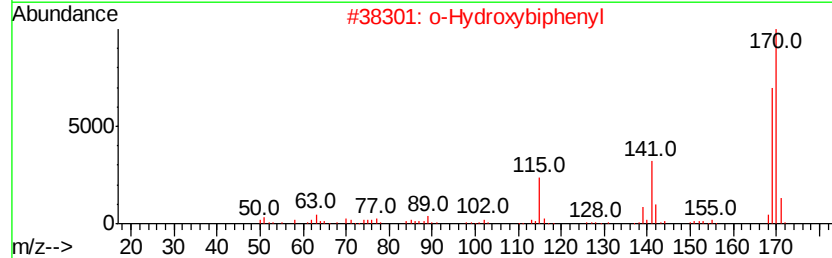
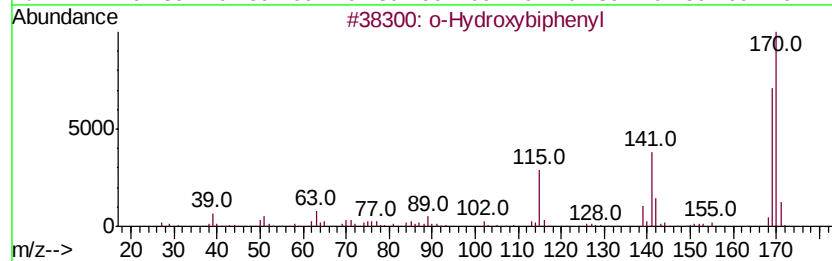
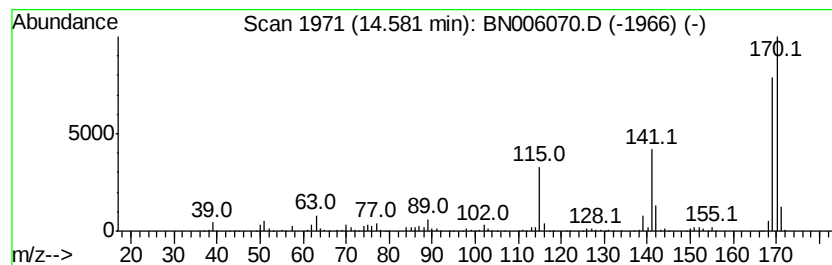
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 o-Hydroxybiphenyl Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 14.58 | 29.21 ng/ul | 3249840 | Acenaphthene-d10 | 14.30 |

| Hit# | of | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------|-----|---------|-------------|------|
| 1    | 5  | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 97   |
| 2    |    | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 96   |
| 3    |    | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 91   |
| 4    |    | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 87   |
| 5    |    | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

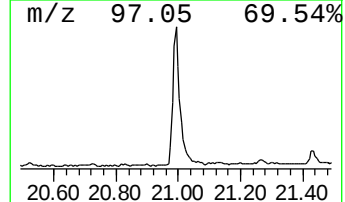
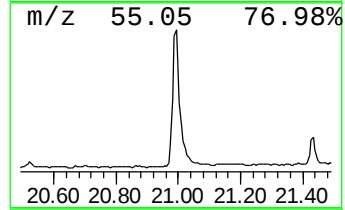
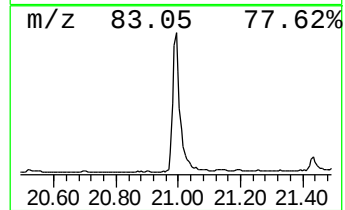
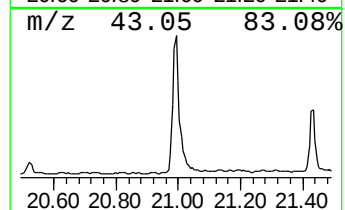
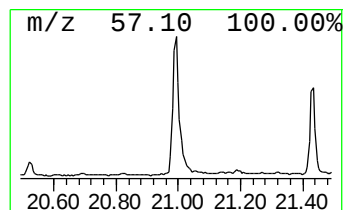
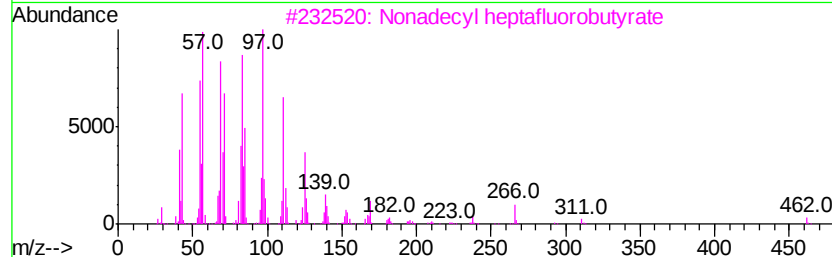
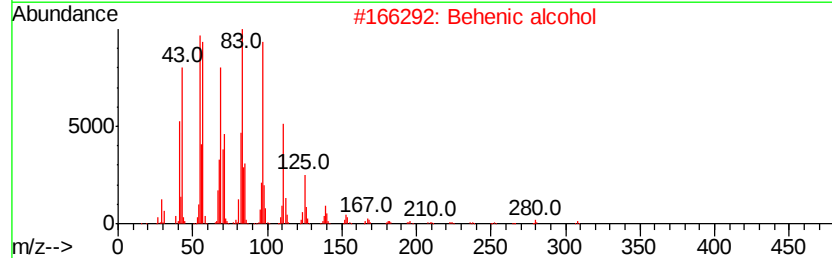
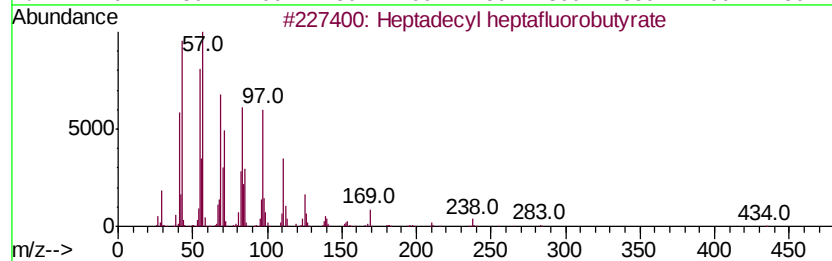
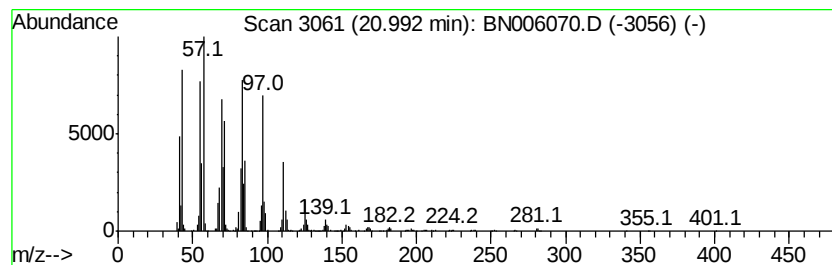
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.99 | 5.22 ng/ul | 1776150 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Heptadecyl heptafluorobutvrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 2    |    | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8  | 93   |
| 3    |    | Nonadecyl heptafluorobutvrate       | 480 | C23H39F7O2  | 1000351-83-9 | 91   |
| 4    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |
| 5    |    | Cyclotetracosane                    | 336 | C24H48      | 000297-03-0  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

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Quant Title : SVOA CALIBRATION

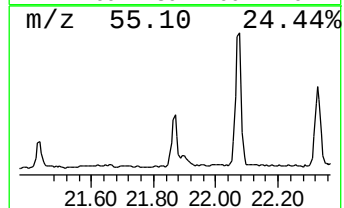
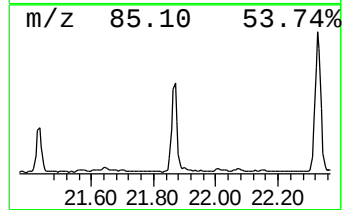
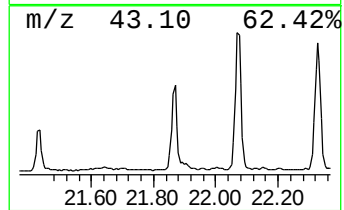
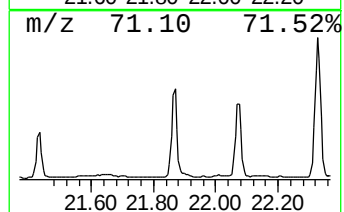
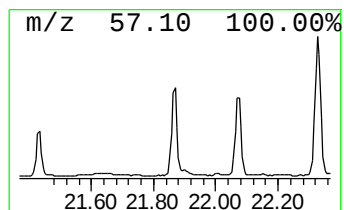
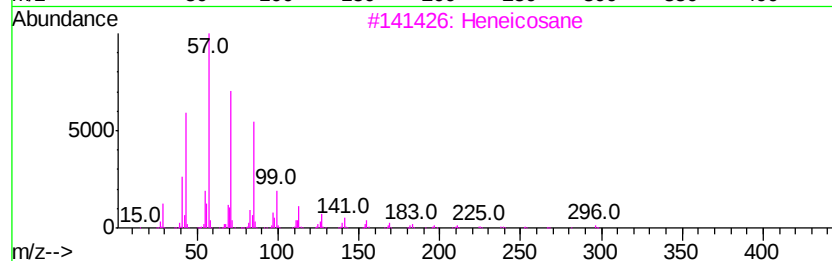
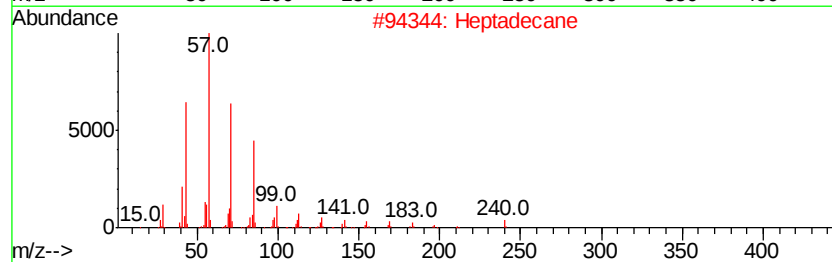
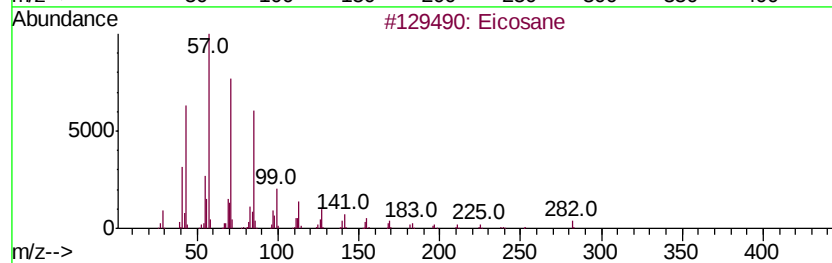
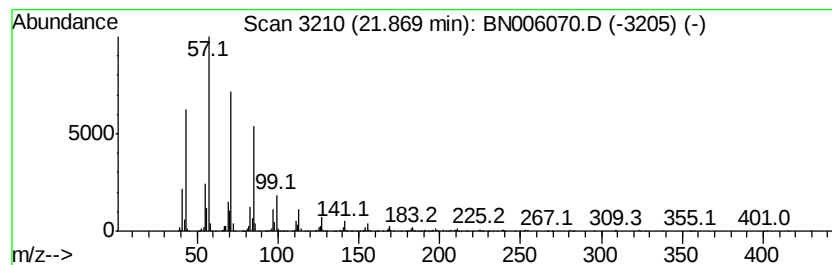
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.87 | 2.56 ng/ul | 871064 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 97   |
| 2    |    | Heptadecane           | 240 | C17H36  | 000629-78-7 | 94   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
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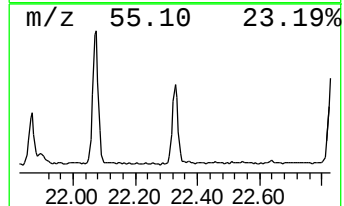
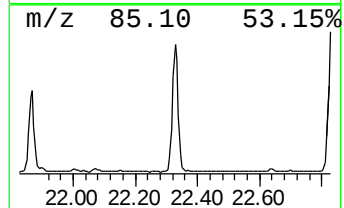
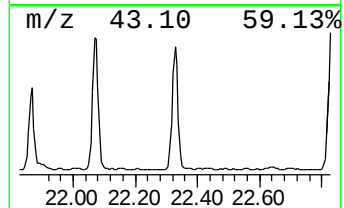
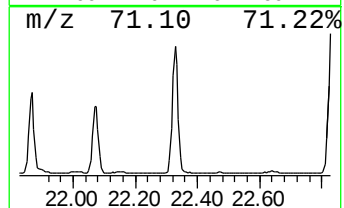
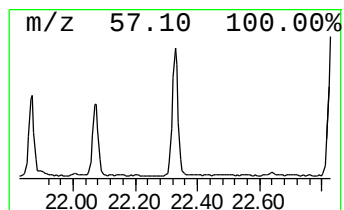
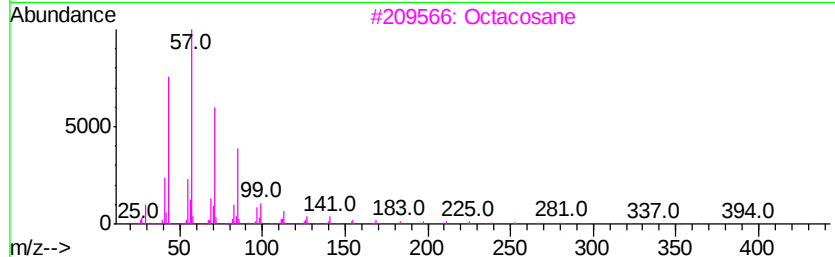
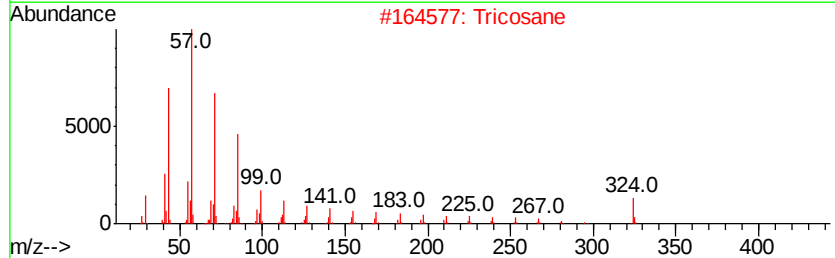
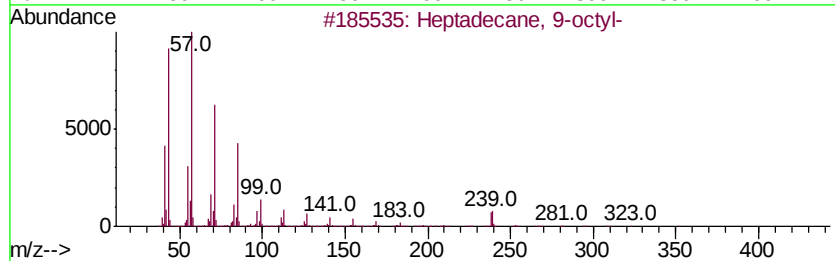
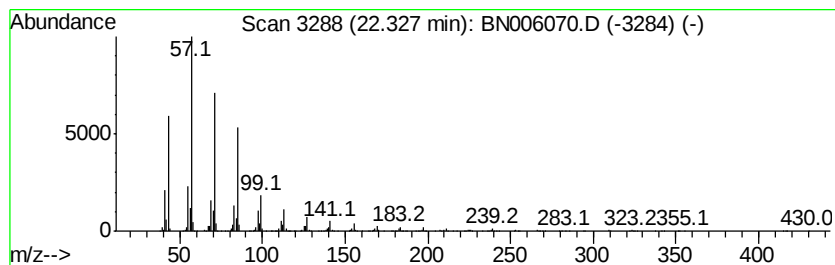
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.33 | 4.21 ng/ul | 1430110 | Chrysene-d12     | 21.27 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 94   |
| 2    |    | Tricosane             | 324 | C23H48  | 000638-67-5  | 93   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |
| 4    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

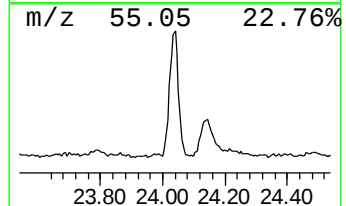
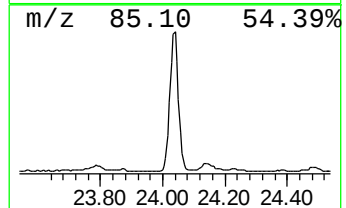
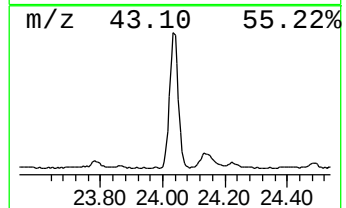
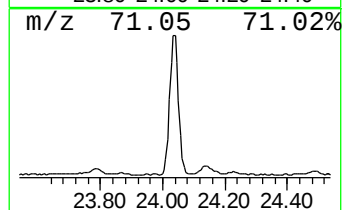
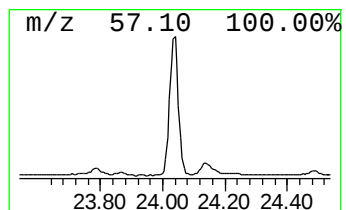
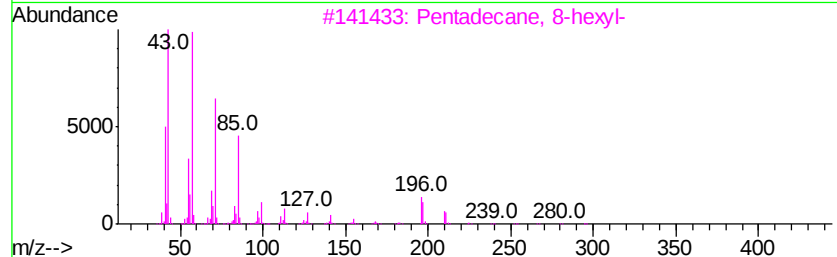
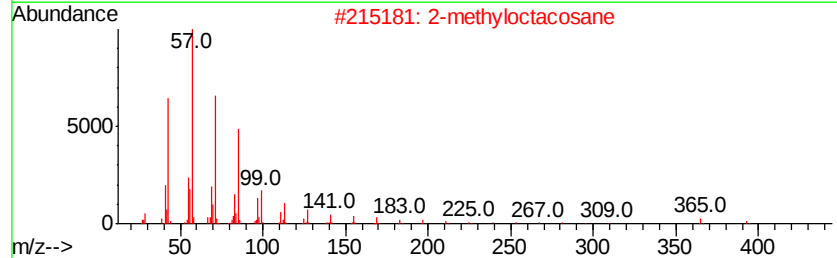
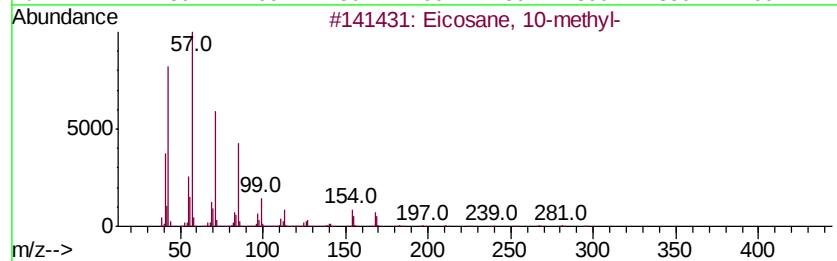
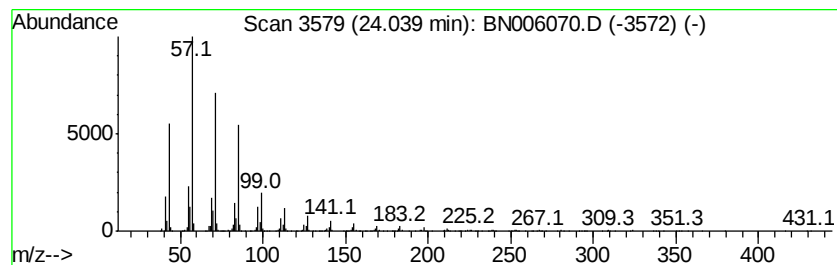
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.04 | 14.70 ng/ul | 2073290 | Perylene-d12     | 23.50 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7  | 93   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7  | 91   |
| 4    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Tetracosane           | 338 | C24H50  | 000646-31-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

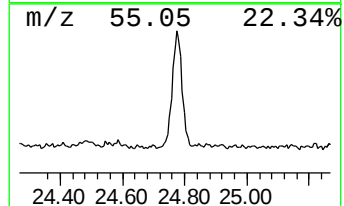
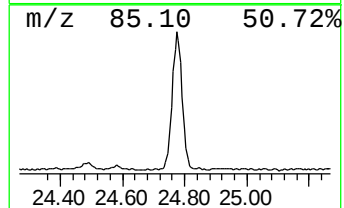
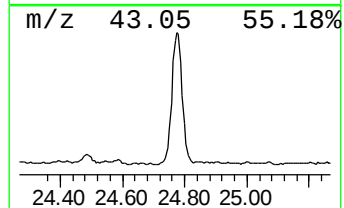
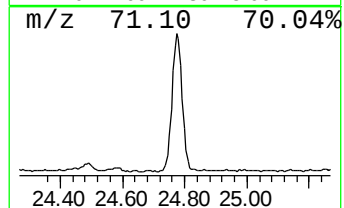
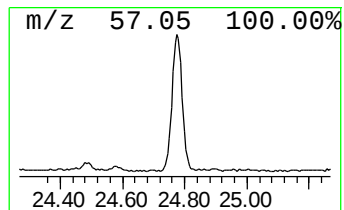
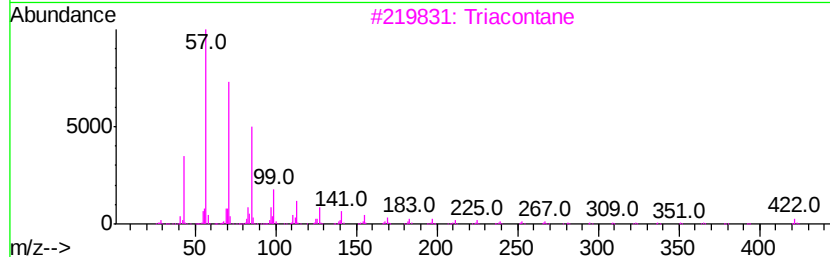
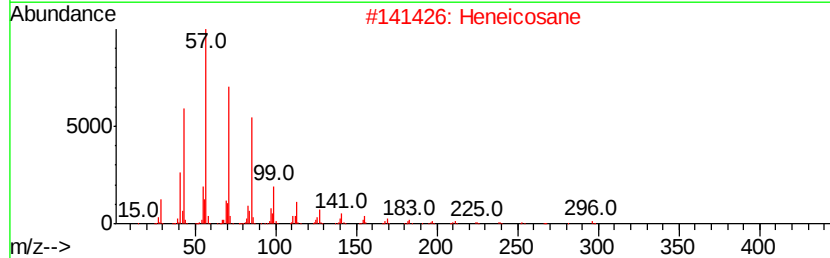
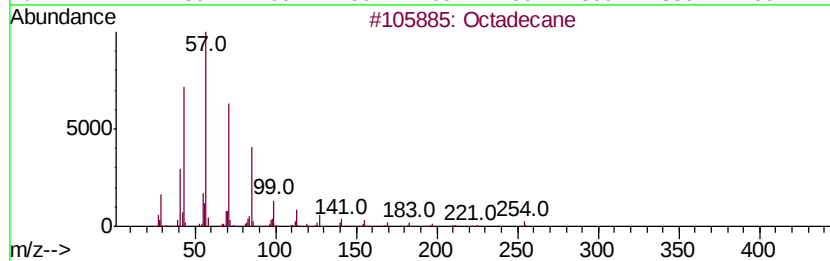
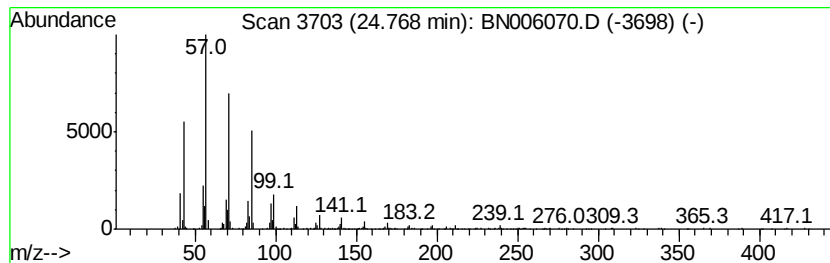
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.77 | 9.45 ng/ul | 1333530 | Perylene-d12     | 23.50 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Octadecane         | 254 | C18H38  | 000593-45-3  | 94   |
| 2    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    |   | Triacontane        | 422 | C30H62  | 000638-68-6  | 91   |
| 4    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.M  
Quant Title : SVOA CALIBRATION

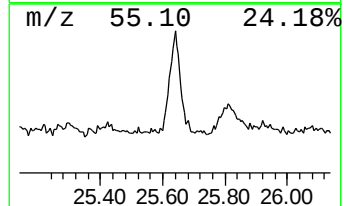
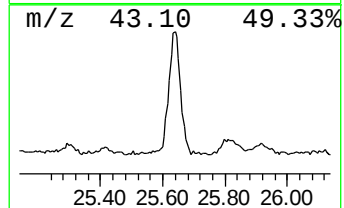
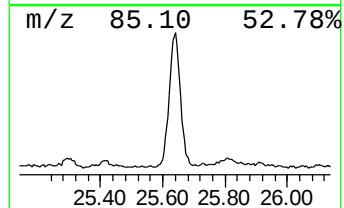
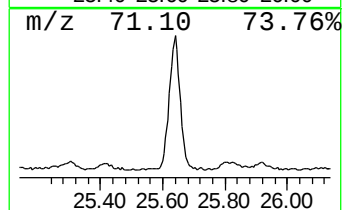
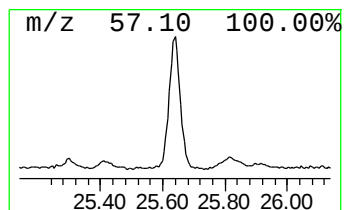
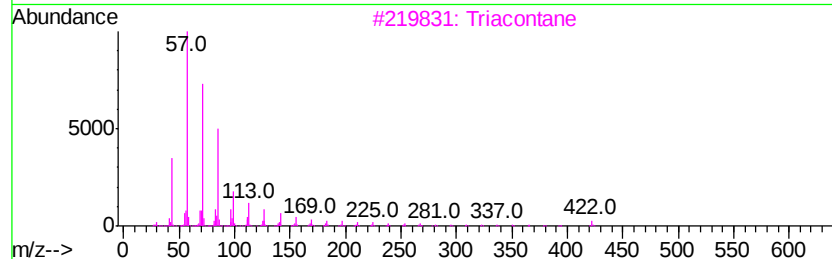
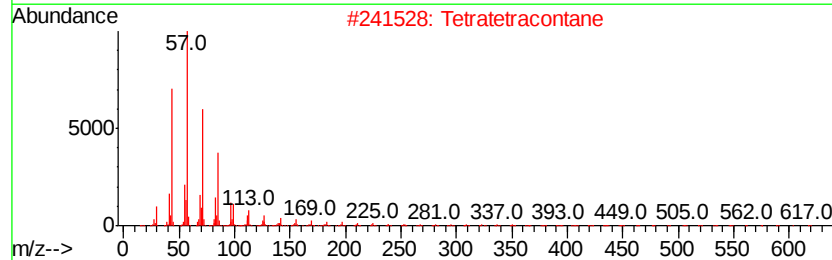
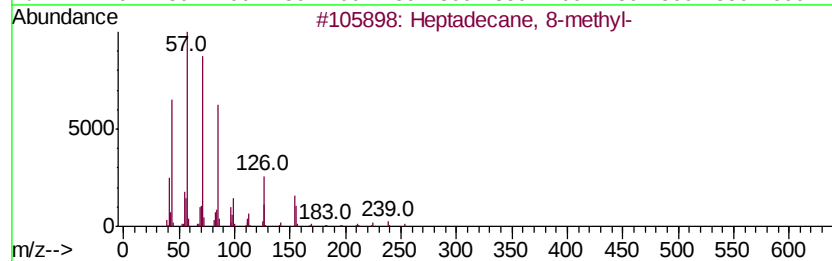
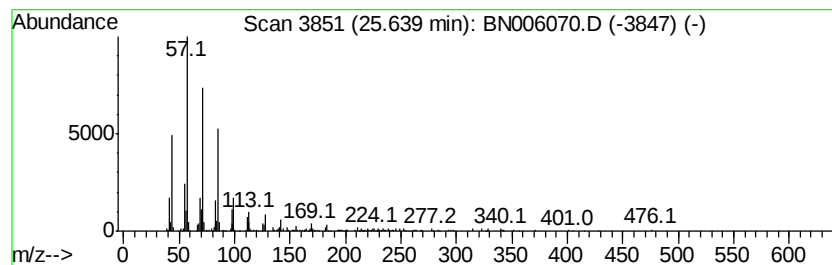
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.64 | 4.20 ng/ul | 592075 | Perylene-d12     | 23.50 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 8-methyl- | 254 | C18H38  | 013287-23-5 | 91   |
| 2    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Triacontane            | 422 | C30H62  | 000638-68-6 | 91   |
| 4    |    | Heptacosane            | 380 | C27H56  | 000593-49-7 | 91   |
| 5    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN060419\  
Data File : BN006070.D  
Acq On : 04 Jun 2019 18:59  
Operator : JU/SJ  
Sample : K2927-21  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A42F0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN060419MA.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 |
| 2-Pentanone, 4-hy... | 4.78  | 5.5     | ng/ul | 338664   | 1                     | 7.65  | 1242880 | 20.0 |
| Naphthalene, 1-me... | 12.32 | 38.8    | ng/ul | 3497280  | 2                     | 10.43 | 1803030 | 20.0 |
| o-Hydroxybiphenyl    | 14.58 | 29.2    | ng/ul | 3249840  | 3                     | 14.30 | 2224990 | 20.0 |
| Heptadecyl heptaf... | 20.99 | 5.2     | ng/ul | 1776150  | 5                     | 21.27 | 6799770 | 20.0 |
| (DEL) Alkane: Str... | 21.87 | 2.6     | ng/ul | 871064   | 5                     | 21.27 | 6799770 | 20.0 |
| (DEL) Alkane: Str... | 22.33 | 4.2     | ng/ul | 1430110  | 5                     | 21.27 | 6799770 | 20.0 |
| (DEL) Alkane: Str... | 24.04 | 14.7    | ng/ul | 2073290  | 6                     | 23.50 | 2821760 | 20.0 |
| (DEL) Alkane: Str... | 24.77 | 9.4     | ng/ul | 1333530  | 6                     | 23.50 | 2821760 | 20.0 |
| (DEL) Alkane: Str... | 25.64 | 4.2     | ng/ul | 592075   | 6                     | 23.50 | 2821760 | 20.0 |