

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
 Data File : BM003529.D  
 Acq On : 14 Dec 2015 03:14  
 Operator : UM/IZ  
 Sample : G4722-20  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C04E1

## 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM120115.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         | 3.181       | 13            | 16          | 21           | rVB2     | 3546           | 4374          | 0.27%           | 0.027%        |
| 2         | 4.281       | 201           | 203         | 207          | rVB      | 4619           | 5346          | 0.33%           | 0.033%        |
| 3         | 4.357       | 213           | 216         | 223          | rVB      | 1449           | 2175          | 0.13%           | 0.013%        |
| 4         | 6.728       | 616           | 619         | 623          | rBB      | 1180           | 1941          | 0.12%           | 0.012%        |
| 5         | 6.857       | 636           | 641         | 643          | rBV2     | 21973          | 30965         | 1.92%           | 0.190%        |
| 6         | 6.893       | 643           | 647         | 655          | rVB      | 69477          | 108518        | 6.73%           | 0.668%        |
| 7         | 7.051       | 668           | 674         | 684          | rBB      | 250916         | 378599        | 23.48%          | 2.329%        |
| 8         | 7.251       | 702           | 708         | 717          | rBB      | 269167         | 416439        | 25.83%          | 2.562%        |
| 9         | 7.716       | 781           | 787         | 794          | rBV      | 226829         | 354161        | 21.96%          | 2.179%        |
| 10        | 7.781       | 794           | 798         | 804          | rVB      | 37767          | 52149         | 3.23%           | 0.321%        |
| 11        | 8.428       | 902           | 908         | 917          | rBB      | 222732         | 345471        | 21.43%          | 2.125%        |
| 12        | 8.540       | 923           | 927         | 932          | rBB      | 5733           | 8424          | 0.52%           | 0.052%        |
| 13        | 8.816       | 968           | 974         | 979          | rBV      | 139738         | 218192        | 13.53%          | 1.342%        |
| 14        | 8.875       | 979           | 984         | 991          | rVB      | 300856         | 484134        | 30.03%          | 2.978%        |
| 15        | 9.292       | 1049          | 1055        | 1060         | rBB      | 34897          | 50498         | 3.13%           | 0.311%        |
| 16        | 9.598       | 1100          | 1107        | 1114         | rBB      | 256400         | 411257        | 25.51%          | 2.530%        |
| 17        | 10.134      | 1192          | 1198        | 1210         | rBV      | 388905         | 626142        | 38.83%          | 3.852%        |
| 18        | 10.422      | 1243          | 1247        | 1250         | rBB2     | 2654           | 3716          | 0.23%           | 0.023%        |
| 19        | 10.510      | 1255          | 1262        | 1268         | rBV      | 341717         | 558955        | 34.67%          | 3.438%        |
| 20        | 10.563      | 1268          | 1271        | 1275         | rVB      | 4413           | 6255          | 0.39%           | 0.038%        |
| 21        | 11.157      | 1369          | 1372        | 1377         | rBB      | 2163           | 3145          | 0.20%           | 0.019%        |
| 22        | 11.680      | 1457          | 1461        | 1466         | rBB      | 4623           | 6610          | 0.41%           | 0.041%        |
| 23        | 11.786      | 1473          | 1479        | 1484         | rBB      | 21356          | 30276         | 1.88%           | 0.186%        |
| 24        | 12.104      | 1529          | 1533        | 1537         | rBB      | 4908           | 7029          | 0.44%           | 0.043%        |
| 25        | 12.351      | 1570          | 1575        | 1579         | rBB      | 2451           | 3372          | 0.21%           | 0.021%        |
| 26        | 12.716      | 1634          | 1637        | 1641         | rBB      | 3575           | 3709          | 0.23%           | 0.023%        |
| 27        | 12.969      | 1677          | 1680        | 1684         | rBB      | 7269           | 8996          | 0.56%           | 0.055%        |
| 28        | 13.286      | 1728          | 1734        | 1742         | rBB      | 40041          | 58884         | 3.65%           | 0.362%        |
| 29        | 13.780      | 1812          | 1818        | 1824         | rBV      | 727970         | 1004142       | 62.28%          | 6.177%        |
| 30        | 13.827      | 1824          | 1826        | 1833         | rVB      | 5792           | 6182          | 0.38%           | 0.038%        |
| 31        | 14.063      | 1859          | 1866        | 1876         | rBV      | 830898         | 1224010       | 75.91%          | 7.529%        |
| 32        | 14.369      | 1912          | 1918        | 1926         | rBB2     | 478618         | 730694        | 45.32%          | 4.495%        |
| 33        | 14.586      | 1950          | 1955        | 1966         | rBB2     | 27392          | 45672         | 2.83%           | 0.281%        |
| 34        | 14.963      | 2015          | 2019        | 2024         | rBB      | 9711           | 11287         | 0.70%           | 0.069%        |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
 Data File : BM003529.D  
 Acq On : 14 Dec 2015 03:14  
 Operator : UM/IZ  
 Sample : G4722-20  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C04E1

## 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:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM120115.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 15.045 | 2030 | 2033 | 2037 | rBB  | 1438    | 1618    | 0.10%   | 0.010% |
| 36 | 15.110 | 2037 | 2044 | 2050 | rBB2 | 13420   | 24335   | 1.51%   | 0.150% |
| 37 | 15.168 | 2051 | 2054 | 2057 | rBV  | 4848    | 6947    | 0.43%   | 0.043% |
| 38 | 15.368 | 2081 | 2088 | 2103 | rBV  | 1012558 | 1506979 | 93.46%  | 9.270% |
| 39 | 15.486 | 2103 | 2108 | 2116 | rVB  | 197941  | 256604  | 15.91%  | 1.578% |
| 40 | 15.604 | 2124 | 2128 | 2132 | rBB  | 7993    | 10498   | 0.65%   | 0.065% |
| 41 | 15.733 | 2144 | 2150 | 2153 | rBB  | 3854    | 4877    | 0.30%   | 0.030% |
| 42 | 17.115 | 2379 | 2385 | 2396 | rVB2 | 525678  | 748827  | 46.44%  | 4.606% |
| 43 | 17.215 | 2396 | 2402 | 2415 | rBV2 | 1048619 | 1480957 | 91.85%  | 9.110% |
| 44 | 17.404 | 2431 | 2434 | 2438 | rBV  | 2398    | 2644    | 0.16%   | 0.016% |
| 45 | 17.792 | 2495 | 2500 | 2504 | rVB  | 108806  | 129428  | 8.03%   | 0.796% |
| 46 | 18.086 | 2546 | 2550 | 2554 | rBV  | 2775    | 3315    | 0.21%   | 0.020% |
| 47 | 19.151 | 2725 | 2731 | 2735 | rBV  | 8476    | 11413   | 0.71%   | 0.070% |
| 48 | 19.404 | 2770 | 2774 | 2778 | rVB  | 7021    | 9406    | 0.58%   | 0.058% |
| 49 | 19.515 | 2787 | 2793 | 2803 | rBV  | 1174145 | 1612427 | 100.00% | 9.919% |
| 50 | 21.309 | 3093 | 3098 | 3107 | rBV  | 683866  | 833756  | 51.71%  | 5.129% |
| 51 | 23.421 | 3449 | 3457 | 3469 | rBV  | 845916  | 1586829 | 98.41%  | 9.761% |
| 52 | 23.562 | 3474 | 3481 | 3492 | rVB2 | 417258  | 814097  | 50.49%  | 5.008% |

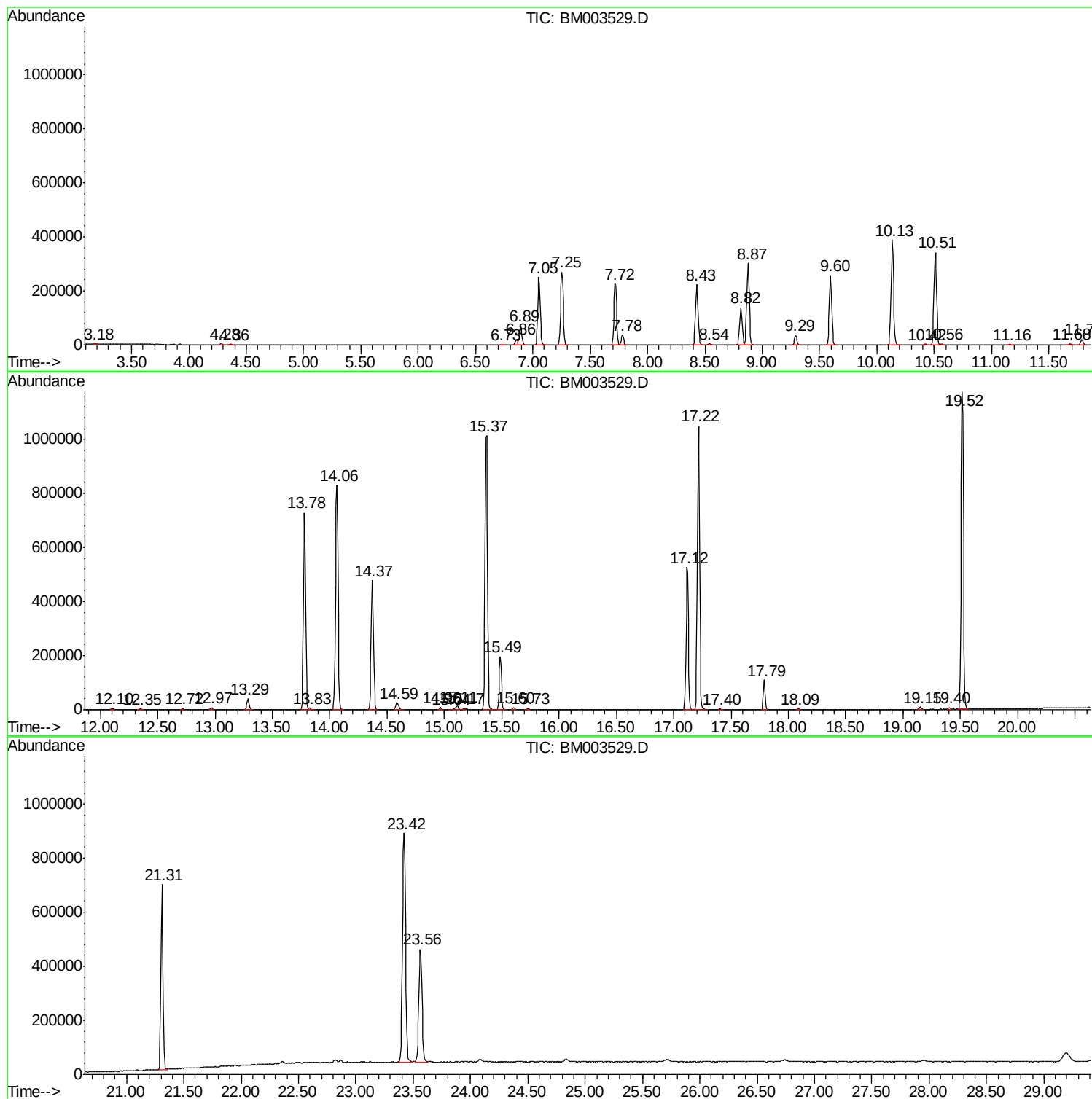
Sum of corrected areas: 16256676

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
Data File : BM003529.D  
Acq On : 14 Dec 2015 03:14  
Operator : UM/IZ  
Sample : G4722-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04E1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
Data File : BM003529.D  
Acq On : 14 Dec 2015 03:14  
Operator : UM/IZ  
Sample : G4722-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04E1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

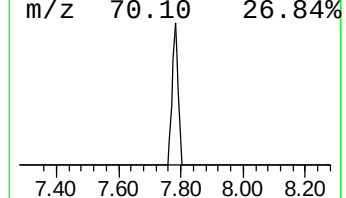
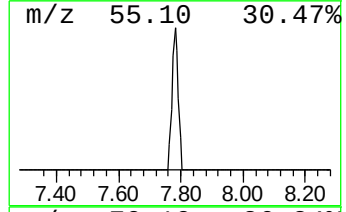
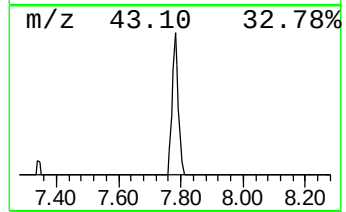
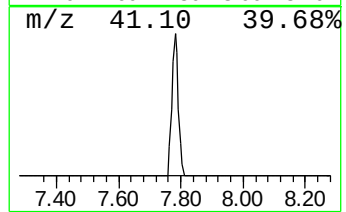
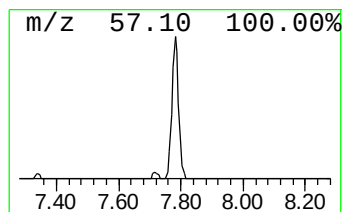
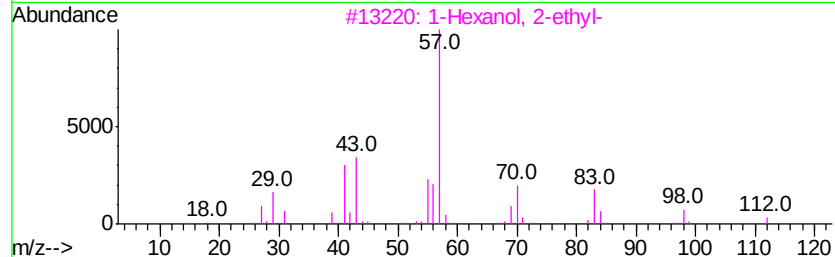
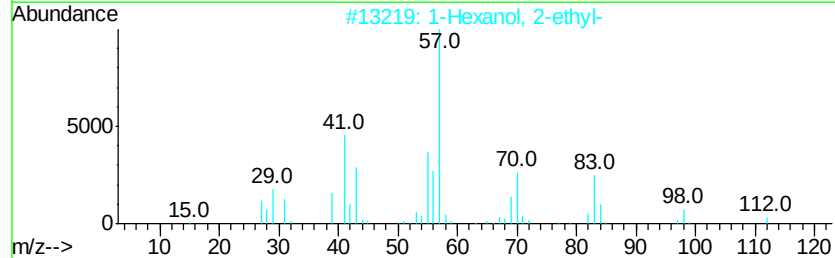
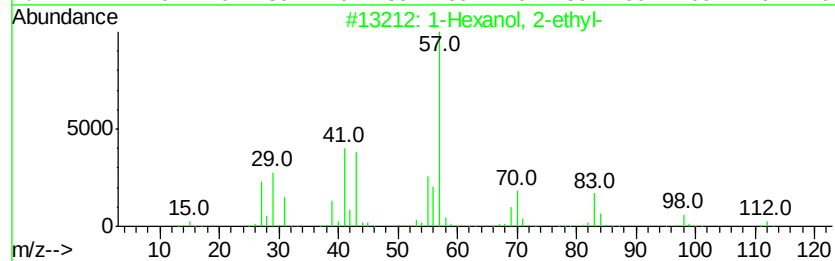
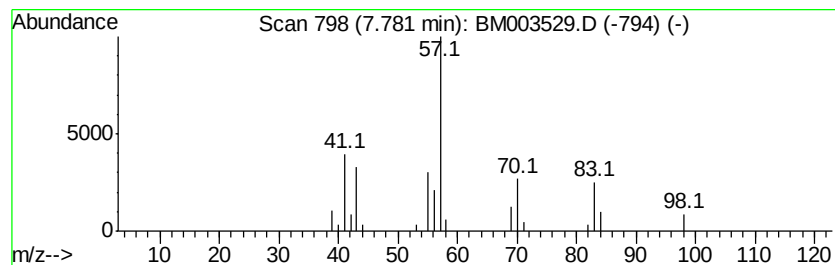
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 7.78 | 2.94 ng/ul | 52149 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexanol, 2-ethyl-    | 130 | C8H18O  | 000104-76-7 | 83   |
| 2    |    |   | 1-Hexanol, 2-ethyl-    | 130 | C8H18O  | 000104-76-7 | 83   |
| 3    |    |   | 1-Hexanol, 2-ethyl-    | 130 | C8H18O  | 000104-76-7 | 83   |
| 4    |    |   | 2-Propyl-1-pentanol    | 130 | C8H18O  | 058175-57-8 | 64   |
| 5    |    |   | 1-Octyn-3-ol, 4-ethyl- | 154 | C10H18O | 005877-42-9 | 43   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
Data File : BM003529.D  
Acq On : 14 Dec 2015 03:14  
Operator : UM/IZ  
Sample : G4722-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04E1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

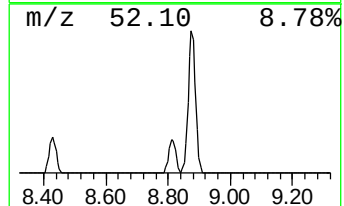
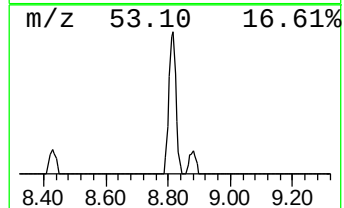
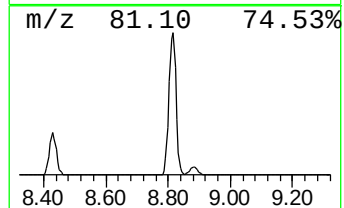
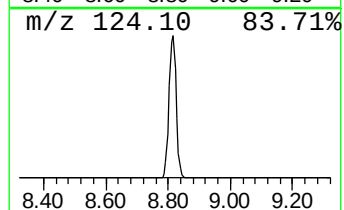
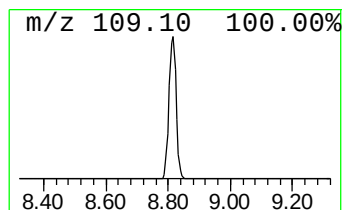
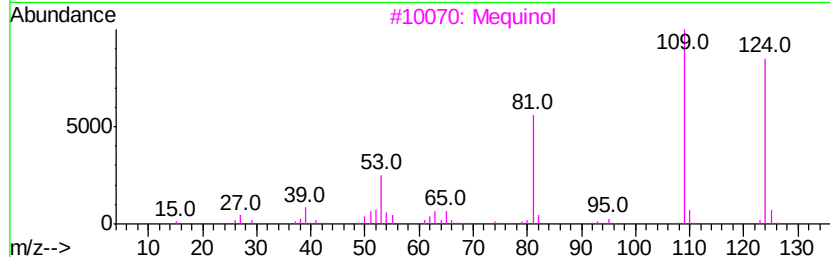
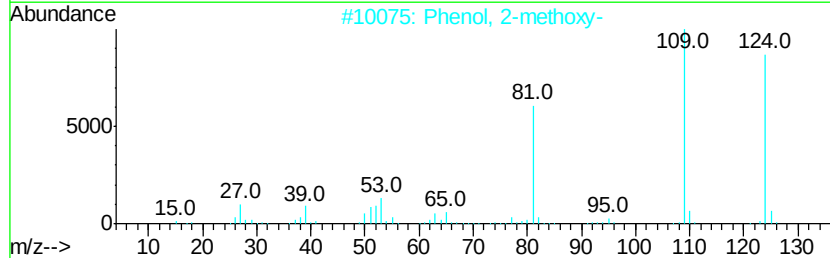
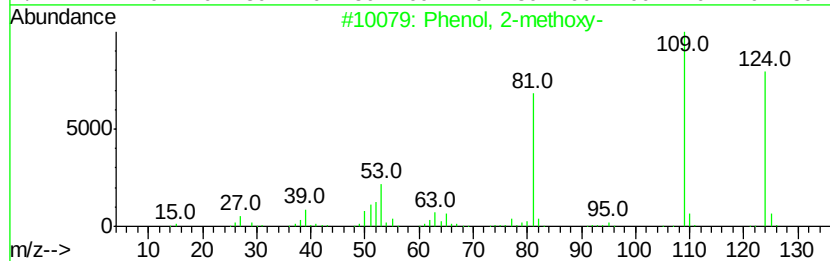
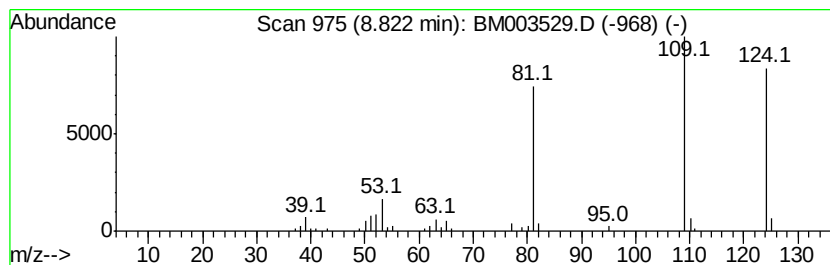
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Phenol, 2-methoxy- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD       | R.T. |
|------|-------------|--------|------------------------|------|
| 8.82 | 12.32 ng/ul | 218192 | 1,4-Dichlorobenzene-d4 | 7.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Phenol, 2-methoxy-                  | 124 | C7H8O2  | 000090-05-1 | 96   |
| 2    |    | Phenol, 2-methoxy-                  | 124 | C7H8O2  | 000090-05-1 | 91   |
| 3    |    | Mequinol                            | 124 | C7H8O2  | 000150-76-5 | 91   |
| 4    |    | Phenol, 2-methoxy-                  | 124 | C7H8O2  | 000090-05-1 | 91   |
| 5    |    | 2-Cyclopenten-1-one, 2,3,4-trime... | 124 | C8H12O  | 028790-86-5 | 86   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121315\  
Data File : BM003529.D  
Acq On : 14 Dec 2015 03:14  
Operator : UM/IZ  
Sample : G4722-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04E1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

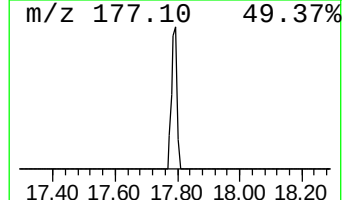
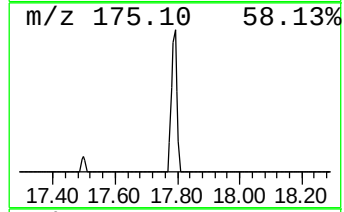
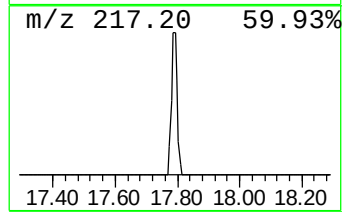
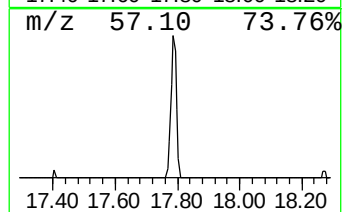
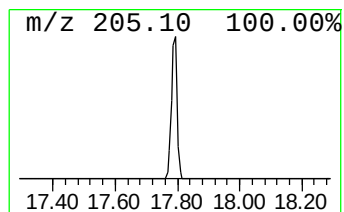
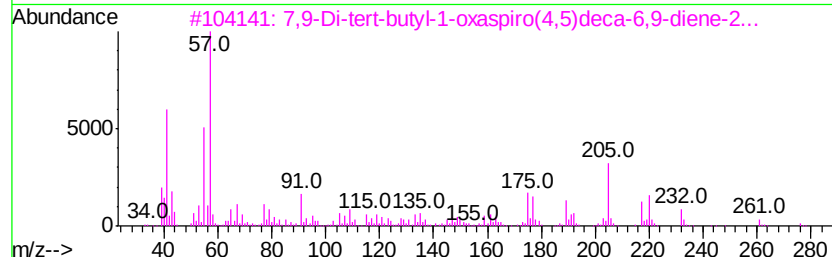
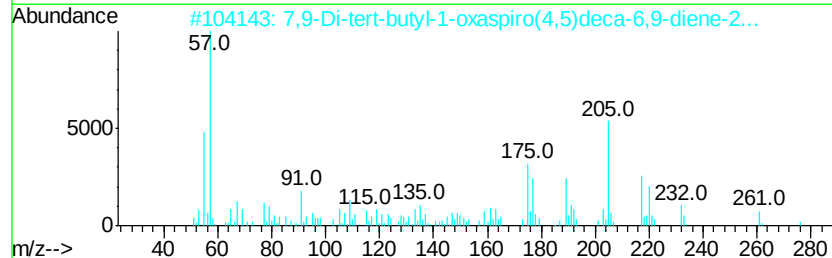
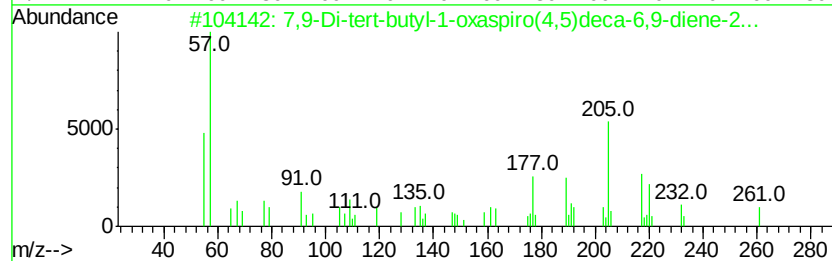
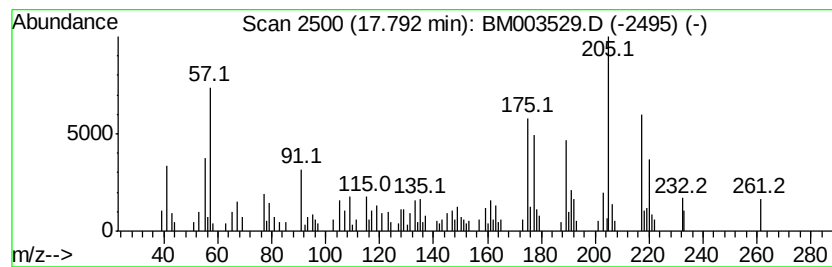
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.79 | 3.46 ng/ul | 129428 | Phenanthrene-d10 | 17.12 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 91   |
| 2    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 91   |
| 3    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 74   |
| 4    |    |   | 1,3-Pentadiene, 1,1-diphenyl-, (Z)- | 220 | C17H16   | 015295-31-5 | 51   |
| 5    |    |   | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 50   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121315\  
Data File : BM003529.D  
Acq On : 14 Dec 2015 03:14  
Operator : UM/IZ  
Sample : G4722-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C04E1

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM120115.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 1-Hexanol, 2-ethyl-  | 7.78  | 2.9     | ng/ul | 52149    | 1                     | 7.72  | 354161 | 20.0 |
| Phenol, 2-methoxy-   | 8.82  | 12.3    | ng/ul | 218192   | 1                     | 7.72  | 354161 | 20.0 |
| 7,9-Di-tert-butyl... | 17.79 | 3.5     | ng/ul | 129428   | 4                     | 17.12 | 748827 | 20.0 |