

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
 Data File : BG023799.D  
 Acq On : 19 Aug 2016 17:15  
 Operator : UM/SJ  
 Sample : H4492-20  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHPW7

## 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\_G\METHODS\SOM02.2-EPA-BG081816.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         | 3.461       | 101           | 106         | 112          | rVB      | 28822          | 44247         | 1.20%           | 0.110%        |
| 2         | 3.660       | 138           | 140         | 144          | rBV4     | 5500           | 5853          | 0.16%           | 0.015%        |
| 3         | 4.218       | 232           | 235         | 238          | rVV3     | 7597           | 9908          | 0.27%           | 0.025%        |
| 4         | 4.588       | 295           | 298         | 300          | rBV4     | 5339           | 7276          | 0.20%           | 0.018%        |
| 5         | 4.941       | 356           | 358         | 362          | rVB3     | 5756           | 6959          | 0.19%           | 0.017%        |
| 6         | 5.252       | 408           | 411         | 413          | rBV4     | 3831           | 5263          | 0.14%           | 0.013%        |
| 7         | 5.740       | 489           | 494         | 498          | rBV7     | 4230           | 7257          | 0.20%           | 0.018%        |
| 8         | 6.139       | 560           | 562         | 569          | rVB7     | 6783           | 11477         | 0.31%           | 0.029%        |
| 9         | 6.280       | 582           | 586         | 589          | rVB4     | 4307           | 6215          | 0.17%           | 0.015%        |
| 10        | 6.703       | 656           | 658         | 663          | rVB5     | 5768           | 9083          | 0.25%           | 0.023%        |
| 11        | 7.250       | 744           | 751         | 765          | rBV      | 591521         | 1108947       | 30.11%          | 2.755%        |
| 12        | 7.408       | 770           | 778         | 788          | rVB      | 480837         | 788556        | 21.41%          | 1.959%        |
| 13        | 7.620       | 807           | 814         | 825          | rBV      | 571475         | 1002644       | 27.22%          | 2.491%        |
| 14        | 8.095       | 888           | 895         | 903          | rBV      | 361398         | 630838        | 17.13%          | 1.567%        |
| 15        | 8.301       | 926           | 930         | 936          | rBV6     | 4356           | 7015          | 0.19%           | 0.017%        |
| 16        | 8.806       | 1009          | 1016        | 1028         | rBV      | 713207         | 1302557       | 35.36%          | 3.236%        |
| 17        | 9.270       | 1088          | 1095        | 1105         | rBV      | 568743         | 1045683       | 28.39%          | 2.598%        |
| 18        | 9.382       | 1109          | 1114        | 1115         | rVV4     | 6196           | 8535          | 0.23%           | 0.021%        |
| 19        | 9.417       | 1119          | 1120        | 1124         | rVB3     | 6142           | 5498          | 0.15%           | 0.014%        |
| 20        | 9.646       | 1156          | 1159        | 1161         | rBV2     | 4426           | 4968          | 0.13%           | 0.012%        |
| 21        | 9.999       | 1212          | 1219        | 1233         | rBV      | 519750         | 973696        | 26.43%          | 2.419%        |
| 22        | 10.551      | 1304          | 1313        | 1330         | rBV      | 694440         | 1355925       | 36.81%          | 3.369%        |
| 23        | 10.927      | 1370          | 1377        | 1386         | rBV      | 532747         | 958566        | 26.02%          | 2.382%        |
| 24        | 11.068      | 1393          | 1401        | 1416         | rBV      | 709768         | 1328040       | 36.05%          | 3.300%        |
| 25        | 11.315      | 1439          | 1443        | 1446         | rBV6     | 3428           | 5926          | 0.16%           | 0.015%        |
| 26        | 11.462      | 1462          | 1468        | 1470         | rVB5     | 3959           | 6585          | 0.18%           | 0.016%        |
| 27        | 11.755      | 1513          | 1518        | 1522         | rBV5     | 3257           | 5054          | 0.14%           | 0.013%        |
| 28        | 12.413      | 1627          | 1630        | 1635         | rVV5     | 5203           | 9009          | 0.24%           | 0.022%        |
| 29        | 12.519      | 1642          | 1648        | 1652         | rBV2     | 13815          | 24256         | 0.66%           | 0.060%        |
| 30        | 12.725      | 1679          | 1683        | 1686         | rBV3     | 6225           | 8965          | 0.24%           | 0.022%        |
| 31        | 12.748      | 1686          | 1687        | 1692         | rVB3     | 5128           | 5642          | 0.15%           | 0.014%        |
| 32        | 13.106      | 1743          | 1748        | 1754         | rVB5     | 7894           | 15187         | 0.41%           | 0.038%        |
| 33        | 13.353      | 1787          | 1790        | 1795         | rBV5     | 8253           | 12434         | 0.34%           | 0.031%        |
| 34        | 13.635      | 1831          | 1838        | 1844         | rBV3     | 25202          | 46848         | 1.27%           | 0.116%        |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
 Data File : BG023799.D  
 Acq On : 19 Aug 2016 17:15  
 Operator : UM/SJ  
 Sample : H4492-20  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHPW7

## 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\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.164 | 1922 | 1928 | 1932 | rVV  | 1369760 | 2092794 | 56.82% | 5.200% |
| 36 | 14.211 | 1932 | 1936 | 1943 | rVB  | 1166221 | 1650611 | 44.81% | 4.101% |
| 37 | 14.393 | 1962 | 1967 | 1968 | rBV3 | 5638    | 6781    | 0.18%  | 0.017% |
| 38 | 14.463 | 1971 | 1979 | 1986 | rBV  | 1435989 | 2308258 | 62.67% | 5.735% |
| 39 | 14.557 | 1991 | 1995 | 1997 | rBV2 | 5142    | 5441    | 0.15%  | 0.014% |
| 40 | 14.634 | 2004 | 2008 | 2013 | rVB2 | 27333   | 36909   | 1.00%  | 0.092% |
| 41 | 14.769 | 2024 | 2031 | 2042 | rVB2 | 822627  | 1382183 | 37.52% | 3.434% |
| 42 | 14.986 | 2062 | 2068 | 2081 | rBV  | 414221  | 957218  | 25.99% | 2.378% |
| 43 | 15.168 | 2096 | 2099 | 2103 | rBV6 | 4670    | 6913    | 0.19%  | 0.017% |
| 44 | 15.251 | 2110 | 2113 | 2117 | rBV4 | 9972    | 14368   | 0.39%  | 0.036% |
| 45 | 15.321 | 2119 | 2125 | 2129 | rBV5 | 11478   | 17467   | 0.47%  | 0.043% |
| 46 | 15.544 | 2159 | 2163 | 2166 | rBV4 | 8723    | 11330   | 0.31%  | 0.028% |
| 47 | 15.591 | 2166 | 2171 | 2176 | rVB  | 61843   | 82083   | 2.23%  | 0.204% |
| 48 | 15.656 | 2176 | 2182 | 2184 | rBV6 | 6716    | 9720    | 0.26%  | 0.024% |
| 49 | 15.762 | 2194 | 2200 | 2208 | rVV  | 1897027 | 2954024 | 80.20% | 7.340% |
| 50 | 15.897 | 2217 | 2223 | 2231 | rBV  | 534749  | 899480  | 24.42% | 2.235% |
| 51 | 16.002 | 2234 | 2241 | 2245 | rVB6 | 39615   | 74192   | 2.01%  | 0.184% |
| 52 | 16.091 | 2252 | 2256 | 2258 | rBV5 | 11511   | 15318   | 0.42%  | 0.038% |
| 53 | 16.138 | 2261 | 2264 | 2268 | rBV5 | 8896    | 14394   | 0.39%  | 0.036% |
| 54 | 16.214 | 2274 | 2277 | 2282 | rVB7 | 10428   | 15511   | 0.42%  | 0.039% |
| 55 | 16.302 | 2290 | 2292 | 2295 | rVB4 | 5037    | 4974    | 0.14%  | 0.012% |
| 56 | 16.402 | 2306 | 2309 | 2313 | rVB6 | 9405    | 10610   | 0.29%  | 0.026% |
| 57 | 16.455 | 2313 | 2318 | 2325 | rBV2 | 66847   | 117785  | 3.20%  | 0.293% |
| 58 | 16.719 | 2359 | 2363 | 2364 | rBV4 | 9848    | 8263    | 0.22%  | 0.021% |
| 59 | 16.795 | 2371 | 2376 | 2377 | rBV4 | 13623   | 14832   | 0.40%  | 0.037% |
| 60 | 16.860 | 2385 | 2387 | 2390 | rVB3 | 9610    | 9046    | 0.25%  | 0.022% |
| 61 | 16.913 | 2393 | 2396 | 2400 | rVV5 | 9038    | 13337   | 0.36%  | 0.033% |
| 62 | 16.960 | 2400 | 2404 | 2408 | rVV6 | 8958    | 14174   | 0.38%  | 0.035% |
| 63 | 17.030 | 2412 | 2416 | 2420 | rVV7 | 8170    | 12743   | 0.35%  | 0.032% |
| 64 | 17.066 | 2420 | 2422 | 2425 | rVV4 | 4230    | 5002    | 0.14%  | 0.012% |
| 65 | 17.107 | 2425 | 2429 | 2430 | rVV4 | 3789    | 5146    | 0.14%  | 0.013% |
| 66 | 17.254 | 2449 | 2454 | 2458 | rBV2 | 38638   | 55197   | 1.50%  | 0.137% |
| 67 | 17.301 | 2458 | 2462 | 2464 | rVV3 | 12961   | 16782   | 0.46%  | 0.042% |
| 68 | 17.348 | 2468 | 2470 | 2472 | rVB3 | 7657    | 5261    | 0.14%  | 0.013% |
| 69 | 17.530 | 2494 | 2501 | 2509 | rBV2 | 1079597 | 1653149 | 44.88% | 4.107% |
| 70 | 17.630 | 2512 | 2518 | 2526 | rBV2 | 2069247 | 3091449 | 83.93% | 7.681% |
| 71 | 17.730 | 2533 | 2535 | 2539 | rVB5 | 5554    | 6047    | 0.16%  | 0.015% |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
 Data File : BG023799.D  
 Acq On : 19 Aug 2016 17:15  
 Operator : UM/SJ  
 Sample : H4492-20  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JHPW7

## 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\_G\METHODS\SOM02.2-EPA-BG081816.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 17.906 | 2562 | 2565 | 2566 | rBV3 | 7200    | 7538    | 0.20%   | 0.019% |
| 73  | 17.994 | 2574 | 2580 | 2583 | rBV3 | 13224   | 18651   | 0.51%   | 0.046% |
| 74  | 18.170 | 2609 | 2610 | 2613 | rBV3 | 7189    | 7057    | 0.19%   | 0.018% |
| 75  | 18.282 | 2627 | 2629 | 2632 | rBV3 | 5970    | 6103    | 0.17%   | 0.015% |
| 76  | 18.399 | 2645 | 2649 | 2654 | rBV4 | 41252   | 69886   | 1.90%   | 0.174% |
| 77  | 18.476 | 2661 | 2662 | 2665 | rVB2 | 6630    | 5463    | 0.15%   | 0.014% |
| 78  | 18.558 | 2675 | 2676 | 2680 | rVB4 | 6227    | 4971    | 0.13%   | 0.012% |
| 79  | 18.605 | 2680 | 2684 | 2687 | rVB6 | 5221    | 8220    | 0.22%   | 0.020% |
| 80  | 18.634 | 2687 | 2689 | 2693 | rBV5 | 3199    | 5623    | 0.15%   | 0.014% |
| 81  | 18.734 | 2704 | 2706 | 2708 | rBV3 | 5778    | 6391    | 0.17%   | 0.016% |
| 82  | 18.816 | 2718 | 2720 | 2723 | rVB4 | 7843    | 8583    | 0.23%   | 0.021% |
| 83  | 18.846 | 2723 | 2725 | 2727 | rBV3 | 5367    | 5879    | 0.16%   | 0.015% |
| 84  | 18.916 | 2736 | 2737 | 2742 | rBV5 | 6983    | 9523    | 0.26%   | 0.024% |
| 85  | 19.133 | 2772 | 2774 | 2777 | rVB4 | 6582    | 5933    | 0.16%   | 0.015% |
| 86  | 19.175 | 2779 | 2781 | 2784 | rVV4 | 6955    | 5415    | 0.15%   | 0.013% |
| 87  | 19.351 | 2809 | 2811 | 2813 | rBV3 | 5509    | 5384    | 0.15%   | 0.013% |
| 88  | 19.556 | 2840 | 2846 | 2852 | rBV2 | 34365   | 68947   | 1.87%   | 0.171% |
| 89  | 19.639 | 2858 | 2860 | 2863 | rBV4 | 5380    | 6684    | 0.18%   | 0.017% |
| 90  | 19.809 | 2886 | 2889 | 2894 | rVV2 | 27233   | 37387   | 1.02%   | 0.093% |
| 91  | 19.921 | 2902 | 2908 | 2917 | rVB2 | 2550505 | 3683404 | 100.00% | 9.152% |
| 92  | 21.043 | 3097 | 3099 | 3100 | rBV2 | 10741   | 7352    | 0.20%   | 0.018% |
| 93  | 21.695 | 3207 | 3210 | 3214 | rVB  | 39256   | 51936   | 1.41%   | 0.129% |
| 94  | 21.842 | 3229 | 3235 | 3244 | rVB  | 1146102 | 1972558 | 53.55%  | 4.901% |
| 95  | 23.557 | 3521 | 3527 | 3536 | rBV2 | 116212  | 233080  | 6.33%   | 0.579% |
| 96  | 24.990 | 3759 | 3771 | 3782 | rBV2 | 1196526 | 3547635 | 96.31%  | 8.815% |
| 97  | 25.225 | 3800 | 3811 | 3826 | rVB2 | 635614  | 1985327 | 53.90%  | 4.933% |
| 98  | 26.371 | 4000 | 4006 | 4007 | rBV6 | 35178   | 62866   | 1.71%   | 0.156% |
| 99  | 26.670 | 4055 | 4057 | 4059 | rBV3 | 16583   | 17086   | 0.46%   | 0.042% |
| 100 | 27.769 | 4241 | 4244 | 4245 | rBV2 | 19352   | 18781   | 0.51%   | 0.047% |

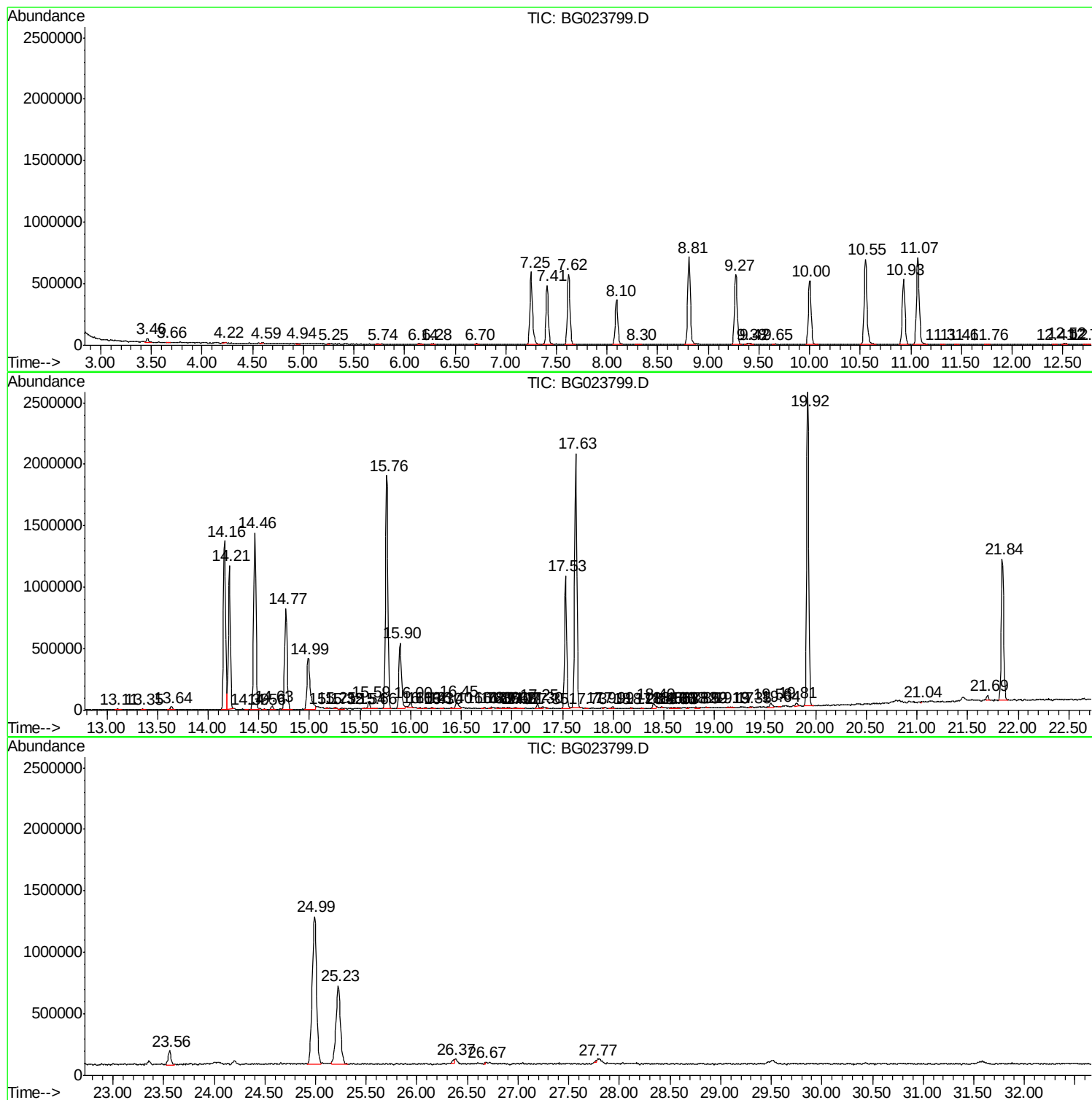
Sum of corrected areas: 40247367

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023799.D  
Acq On : 19 Aug 2016 17:15  
Operator : UM/SJ  
Sample : H4492-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHPW7

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023799.D  
Acq On : 19 Aug 2016 17:15  
Operator : UM/SJ  
Sample : H4492-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

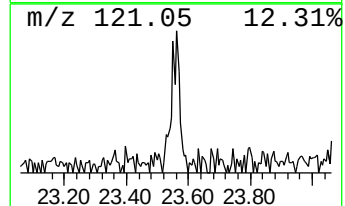
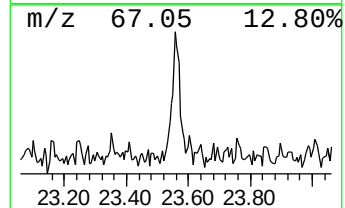
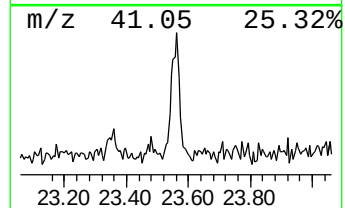
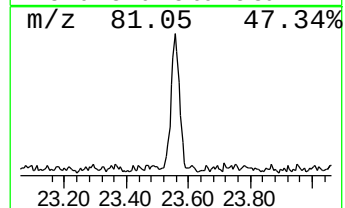
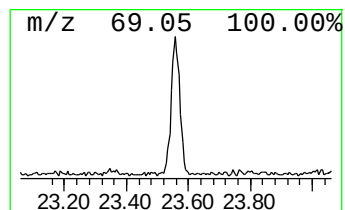
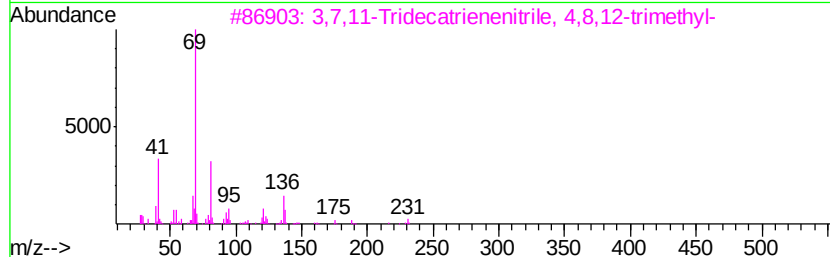
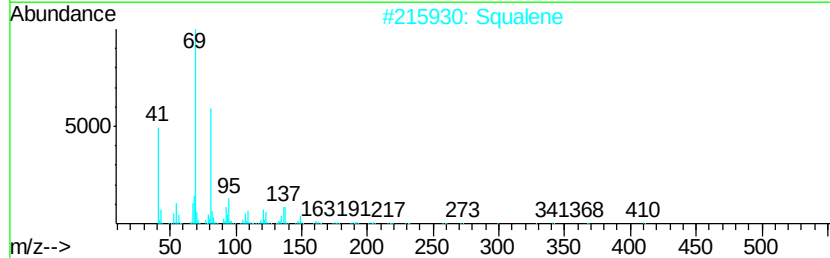
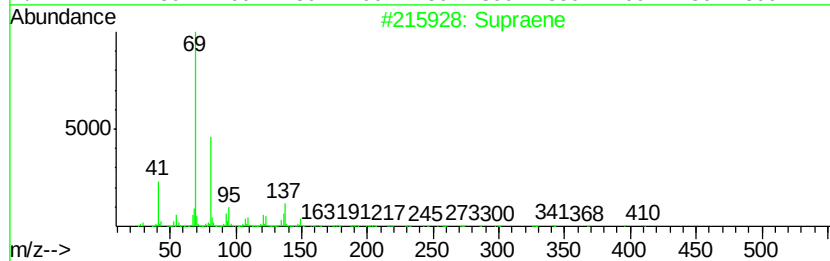
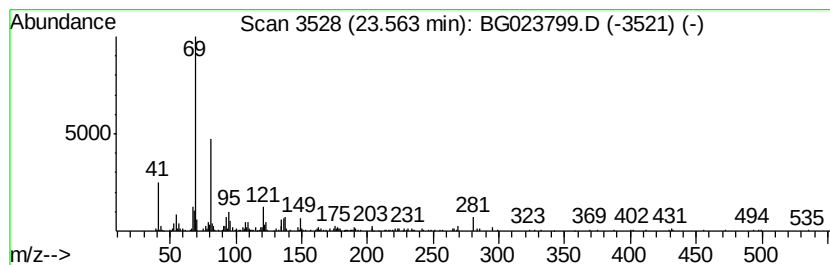
Instrument :  
BNA\_G  
ClientSampleId :  
JHPW7

Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Supraene Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.           |
|---------|-------------------------------------|--------------|------------------|----------------|
| 23.56   | 2.35 ng/ul                          | 233080       | Perylene-d12     | 25.23          |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Supraene                            |              | 410 C30H50       | 007683-64-9 74 |
| 2       | Squalene                            |              | 410 C30H50       | 000111-02-4 72 |
| 3       | 3,7,11-Tridecatrienitrile, 4,8...   |              | 231 C16H25N      | 006006-01-5 64 |
| 4       | 4,8,12-Tetradecatrienenitrile, 5... |              | 245 C17H27N      | 005981-31-7 64 |
| 5       | (Z)-all-trans-3,7,11-Trimethyl-2... |              | 235 C15H25NO     | 123257-83-0 64 |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081816\  
Data File : BG023799.D  
Acq On : 19 Aug 2016 17:15  
Operator : UM/SJ  
Sample : H4492-20  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JHPW7

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG081816.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 |
| Supraene         | 23.56 | 2.4     | ng/ul | 233080   | 6                     | 25.23 | 1985330 | 20.0 |