

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\  
 Data File : BG039985.D  
 Acq On : 19 Mar 2019 1:11  
 Operator : JU/SJ  
 Sample : K1938-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-1

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % 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\_G\METHODS\8270-BG030419.M  
 Title : ASP BNA STANDARDS FOR 5 POINT 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         | 3.192       | 13            | 18          | 27           | rBV      | 191913         | 371797        | 10.68%          | 2.121%        |
| 2         | 3.269       | 27            | 31          | 46           | rVB      | 392232         | 575915        | 16.54%          | 3.286%        |
| 3         | 5.689       | 437           | 443         | 456          | rBV      | 479087         | 777057        | 22.32%          | 4.433%        |
| 4         | 7.293       | 709           | 716         | 728          | rBV      | 402367         | 681283        | 19.57%          | 3.887%        |
| 5         | 7.675       | 771           | 781         | 790          | rBV      | 746340         | 1295604       | 37.21%          | 7.391%        |
| 6         | 8.145       | 854           | 861         | 872          | rBV      | 155418         | 269336        | 7.74%           | 1.537%        |
| 7         | 8.468       | 908           | 916         | 924          | rVB      | 639591         | 1099154       | 31.57%          | 6.271%        |
| 8         | 9.325       | 1053          | 1062        | 1070         | rBV      | 546425         | 1012352       | 29.08%          | 5.775%        |
| 9         | 10.964      | 1333          | 1341        | 1351         | rBV      | 210736         | 380114        | 10.92%          | 2.169%        |
| 10        | 13.396      | 1744          | 1755        | 1762         | rBV      | 1517647        | 2443495       | 70.18%          | 13.940%       |
| 11        | 14.771      | 1982          | 1989        | 1996         | rBV2     | 369304         | 584538        | 16.79%          | 3.335%        |
| 12        | 15.934      | 2182          | 2187        | 2192         | rBV      | 74093          | 95253         | 2.74%           | 0.543%        |
| 13        | 16.257      | 2235          | 2242        | 2253         | rBV      | 1254764        | 1915161       | 55.01%          | 10.926%       |
| 14        | 17.514      | 2449          | 2456        | 2469         | rBV2     | 485830         | 732885        | 21.05%          | 4.181%        |
| 15        | 20.111      | 2891          | 2898        | 2906         | rVB      | 2658059        | 3481577       | 100.00%         | 19.862%       |
| 16        | 21.803      | 3178          | 3186        | 3193         | rBV2     | 468415         | 804004        | 23.09%          | 4.587%        |
| 17        | 22.566      | 3312          | 3316        | 3321         | rVB3     | 25232          | 40133         | 1.15%           | 0.229%        |
| 18        | 23.277      | 3433          | 3437        | 3443         | rVB2     | 29459          | 49278         | 1.42%           | 0.281%        |
| 19        | 24.111      | 3573          | 3579        | 3585         | rBV3     | 25978          | 59168         | 1.70%           | 0.338%        |
| 20        | 25.092      | 3740          | 3746        | 3748         | rBV2     | 23795          | 43887         | 1.26%           | 0.250%        |
| 21        | 25.163      | 3750          | 3758        | 3770         | rVB3     | 257122         | 745253        | 21.41%          | 4.252%        |
| 22        | 26.267      | 3938          | 3946        | 3958         | rVB7     | 23275          | 71630         | 2.06%           | 0.409%        |

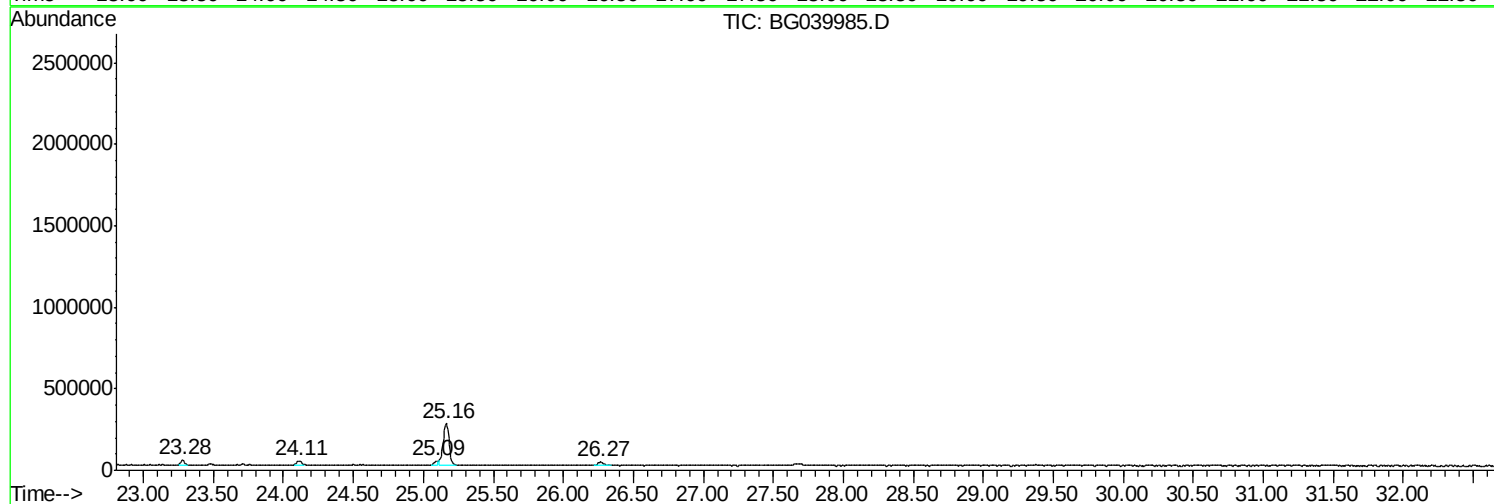
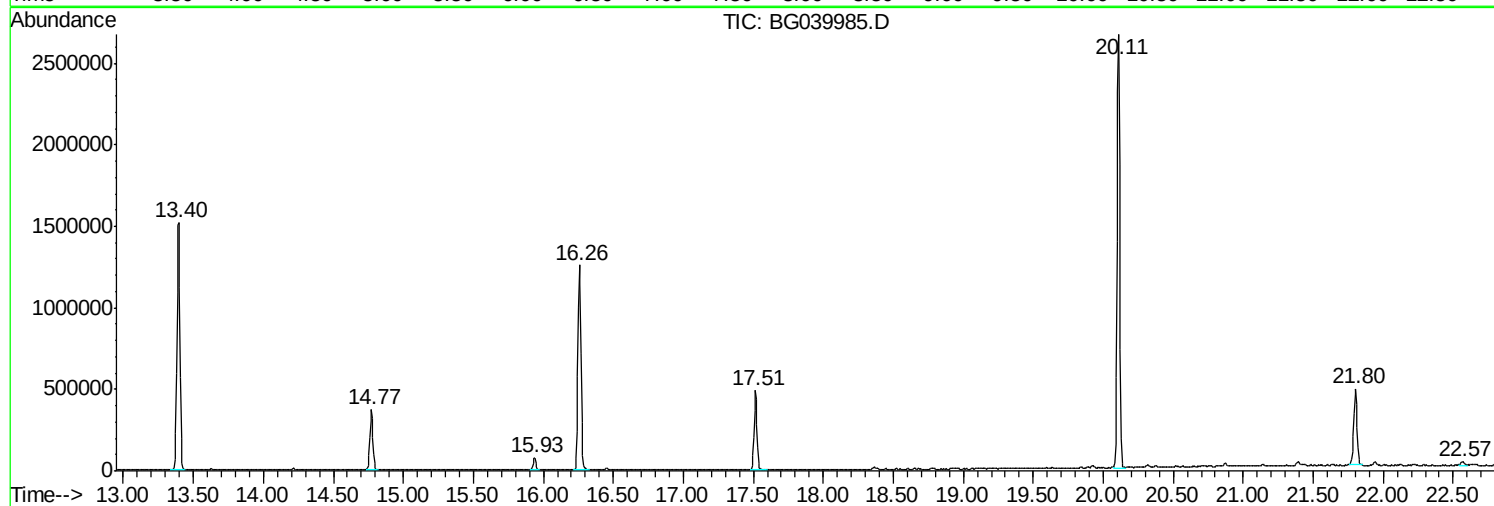
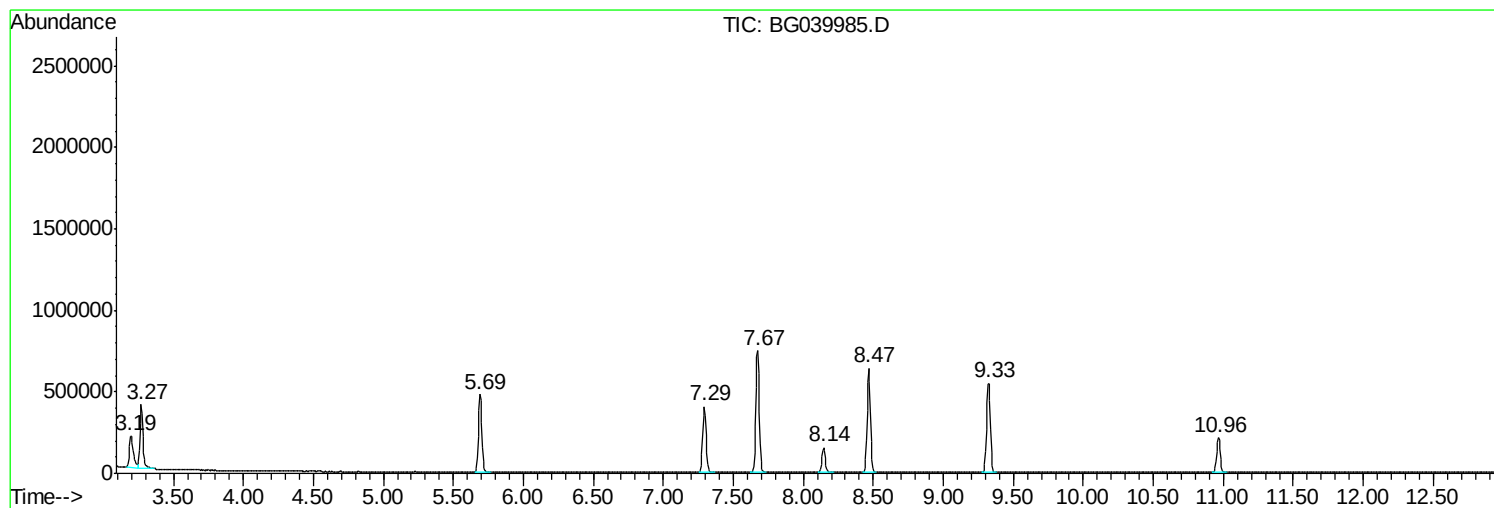
Sum of corrected areas: 17528874

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\  
Data File : BG039985.D  
Acq On : 19 Mar 2019 1:11  
Operator : JU/SJ  
Sample : K1938-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\  
Data File : BG039985.D  
Acq On : 19 Mar 2019 1:11  
Operator : JU/SJ  
Sample : K1938-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

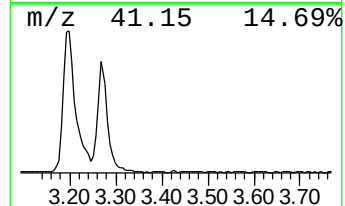
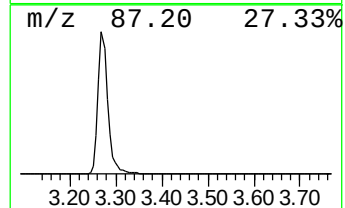
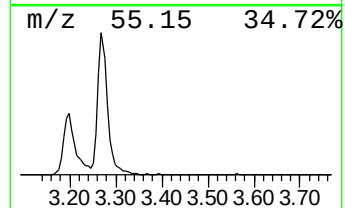
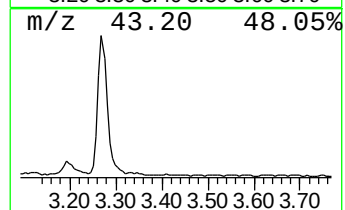
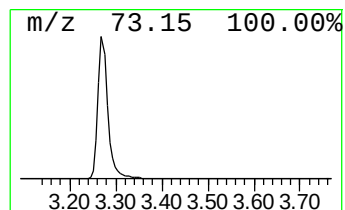
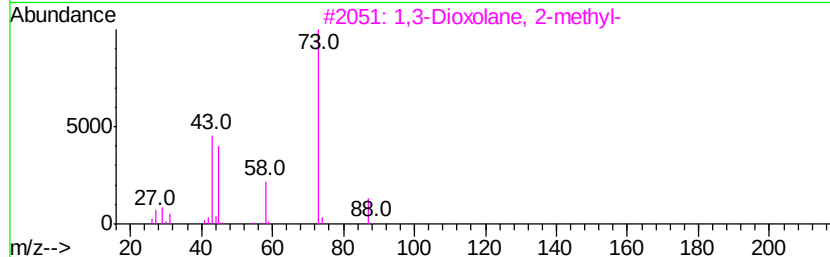
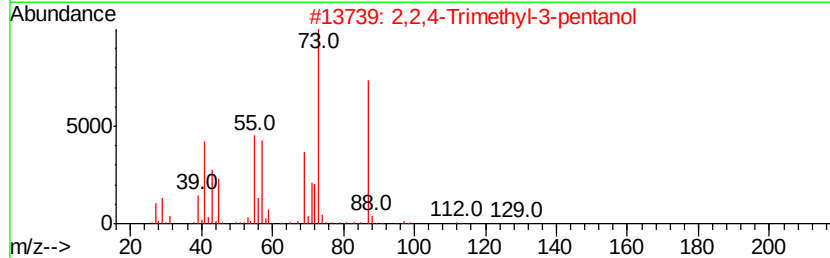
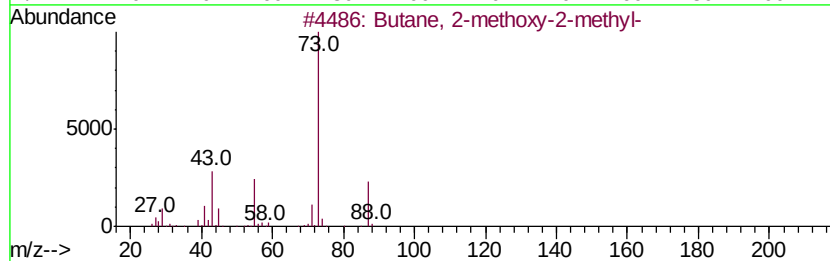
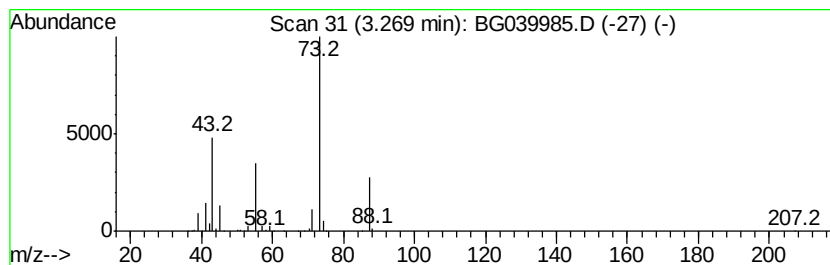
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.27 | 42.77 ng | 575915 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\  
Data File : BG039985.D  
Acq On : 19 Mar 2019 1:11  
Operator : JU/SJ  
Sample : K1938-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

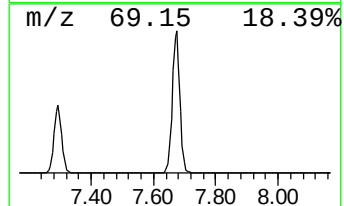
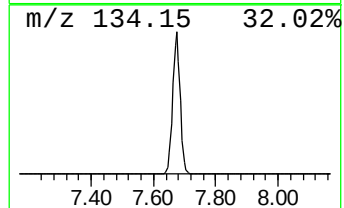
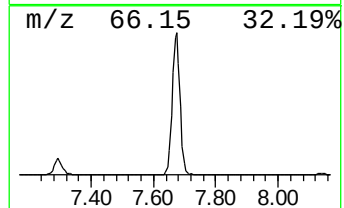
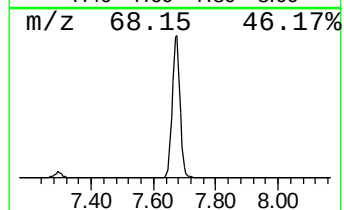
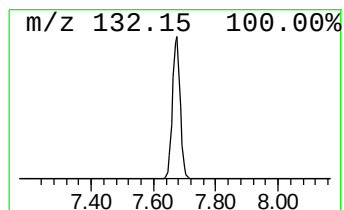
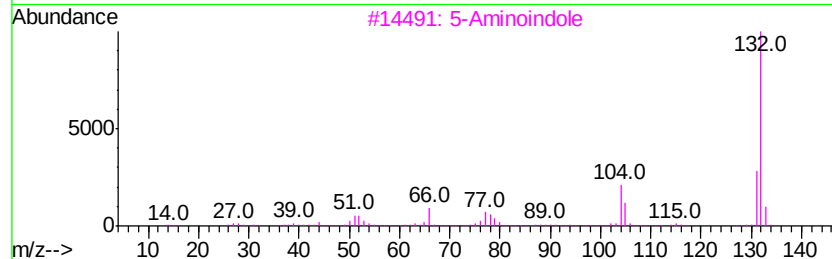
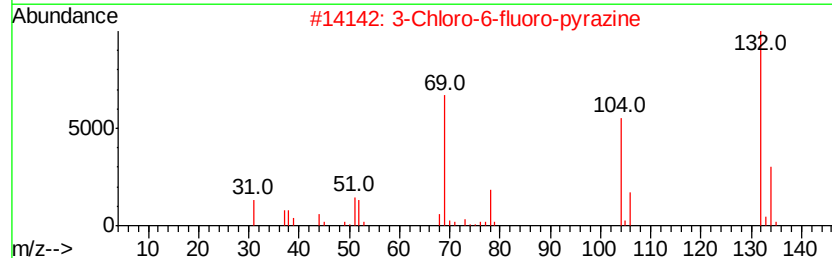
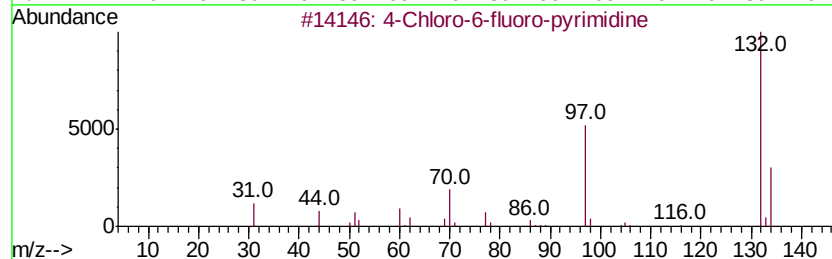
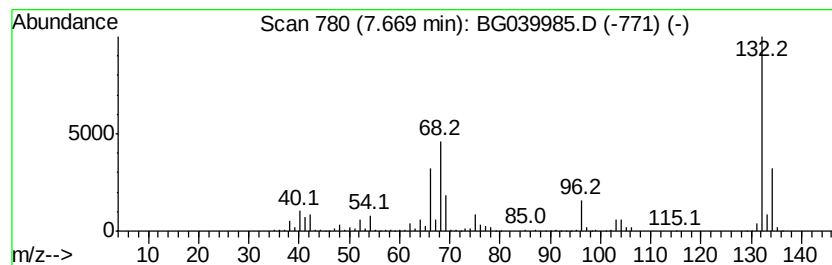
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.67 | 96.21 ng | 1295600 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 27   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\  
Data File : BG039985.D  
Acq On : 19 Mar 2019 1:11  
Operator : JU/SJ  
Sample : K1938-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

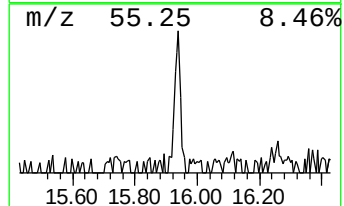
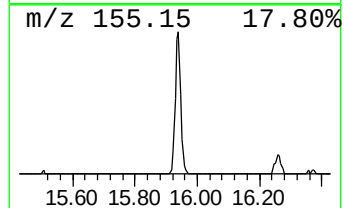
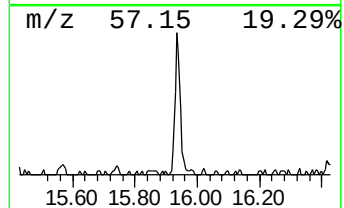
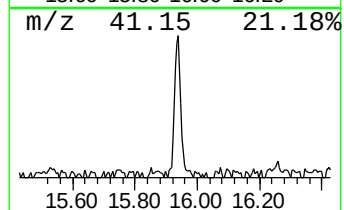
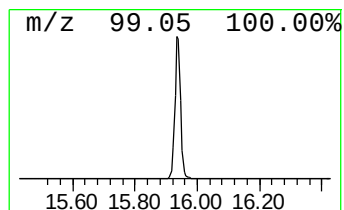
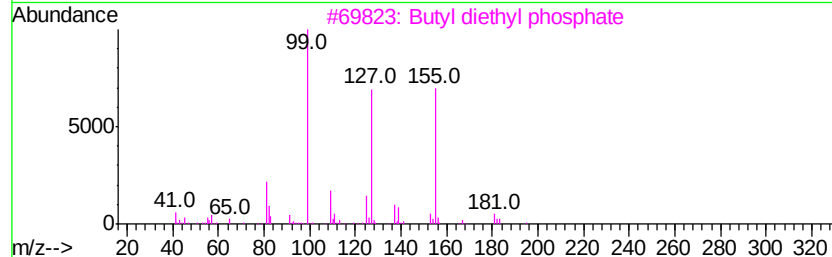
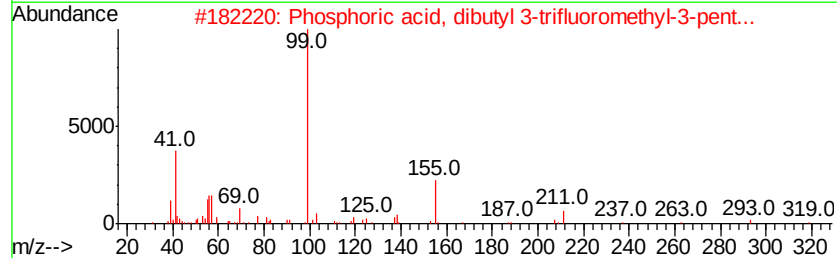
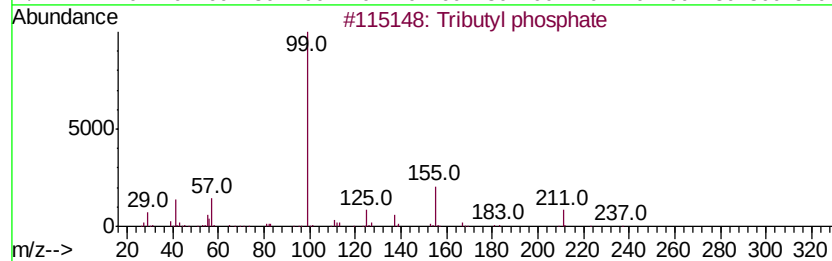
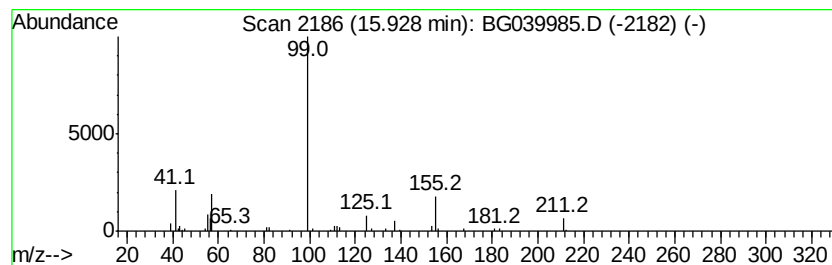
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Tributyl phosphate Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.93 | 3.26 ng | 95253 | Acenaphthene-d10 | 14.77 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Tributyl phosphate                  | 266 | C12H27O4P   | 000126-73-8  | 91   |
| 2    |    | Phosphoric acid, dibutyl 3-trifl... | 348 | C14H28F3O4P | 1000298-93-8 | 43   |
| 3    |    | Butyl diethyl phosphate             | 210 | C8H19O4P    | 1000298-58-0 | 40   |
| 4    |    | Bis(2-ethylhexyl)hydrogen phosphate | 322 | C16H35O4P   | 000298-07-7  | 36   |
| 5    |    | 3-Hydroxy-2,3,4,4-tetramethyl-pe... | 202 | C11H22O3    | 1000194-64-5 | 33   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG031819\  
Data File : BG039985.D  
Acq On : 19 Mar 2019 1:11  
Operator : JU/SJ  
Sample : K1938-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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... | 3.27  | 42.8    | ng    | 575915   | 1                     | 8.14  | 269336 | 20.0 |
| unknown7.67          | 7.67  | 96.2    | ng    | 1295600  | 1                     | 8.14  | 269336 | 20.0 |
| Tributyl phosphate   | 15.93 | 3.3     | ng    | 95253    | 3                     | 14.77 | 584538 | 20.0 |