

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\  
 Data File : BG045919.D  
 Acq On : 2 Jul 2020 18:04  
 Operator : CG/JU  
 Sample : L3172-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP5-SS

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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\_G\METHODS\8270-BG061520.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         | 5.446       | 394           | 401         | 415          | rBV      | 520521         | 910580        | 27.00%          | 5.706%        |
| 2         | 7.067       | 670           | 677         | 691          | rBV      | 586685         | 1032051       | 30.60%          | 6.467%        |
| 3         | 7.455       | 738           | 743         | 756          | rBV2     | 21863          | 39776         | 1.18%           | 0.249%        |
| 4         | 7.855       | 803           | 811         | 818          | rBV2     | 161186         | 276467        | 8.20%           | 1.732%        |
| 5         | 8.178       | 856           | 866         | 876          | rBV      | 521861         | 889422        | 26.37%          | 5.573%        |
| 6         | 9.018       | 1001          | 1009        | 1020         | rBV      | 396945         | 719935        | 21.34%          | 4.511%        |
| 7         | 10.663      | 1281          | 1289        | 1303         | rBV      | 216433         | 392031        | 11.62%          | 2.456%        |
| 8         | 13.130      | 1701          | 1709        | 1722         | rBV      | 1208422        | 1858585       | 55.10%          | 11.646%       |
| 9         | 13.964      | 1845          | 1851        | 1858         | rBV      | 115977         | 180143        | 5.34%           | 1.129%        |
| 10        | 14.510      | 1935          | 1944        | 1954         | rBV      | 365448         | 577332        | 17.12%          | 3.618%        |
| 11        | 16.008      | 2192          | 2199        | 2219         | rBV      | 942412         | 1507114       | 44.68%          | 9.443%        |
| 12        | 17.260      | 2406          | 2412        | 2422         | rBV      | 465166         | 732439        | 21.71%          | 4.589%        |
| 13        | 18.922      | 2690          | 2695        | 2700         | rBV      | 27118          | 36020         | 1.07%           | 0.226%        |
| 14        | 19.885      | 2852          | 2859        | 2866         | rBV      | 2462566        | 3373083       | 100.00%         | 21.136%       |
| 15        | 21.002      | 3037          | 3049        | 3051         | rBV5     | 55082          | 151672        | 4.50%           | 0.950%        |
| 16        | 21.107      | 3060          | 3067        | 3074         | rBV6     | 68677          | 259360        | 7.69%           | 1.625%        |
| 17        | 21.178      | 3075          | 3079        | 3088         | rVB5     | 158765         | 318456        | 9.44%           | 1.995%        |
| 18        | 21.248      | 3088          | 3091        | 3100         | rVB      | 35578          | 55154         | 1.64%           | 0.346%        |
| 19        | 21.513      | 3129          | 3136        | 3148         | rBV2     | 537436         | 869523        | 25.78%          | 5.448%        |
| 20        | 21.706      | 3165          | 3169        | 3175         | rBV2     | 29666          | 43755         | 1.30%           | 0.274%        |
| 21        | 22.294      | 3263          | 3269        | 3276         | rBV4     | 35144          | 74384         | 2.21%           | 0.466%        |
| 22        | 22.952      | 3376          | 3381        | 3388         | rVB3     | 50366          | 85719         | 2.54%           | 0.537%        |
| 23        | 23.721      | 3505          | 3512        | 3520         | rVB3     | 51305          | 98993         | 2.93%           | 0.620%        |
| 24        | 24.597      | 3651          | 3661        | 3673         | rVB2     | 333775         | 968379        | 28.71%          | 6.068%        |
| 25        | 25.131      | 3735          | 3752        | 3757         | rBV4     | 87194          | 427597        | 12.68%          | 2.679%        |
| 26        | 25.689      | 3842          | 3847        | 3857         | rVB7     | 28810          | 81349         | 2.41%           | 0.510%        |

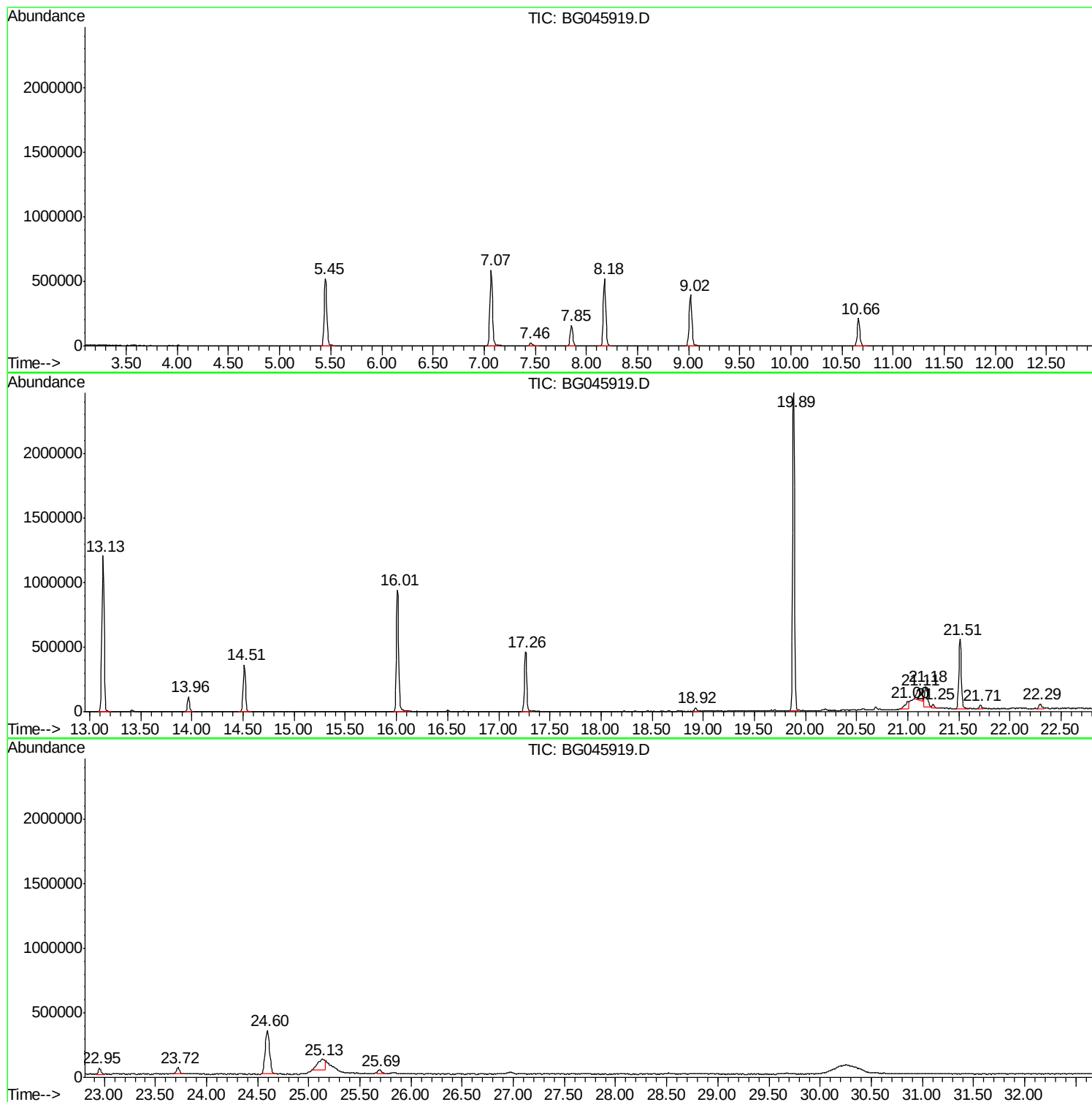
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BNA\_G  
ClientSampleId :  
TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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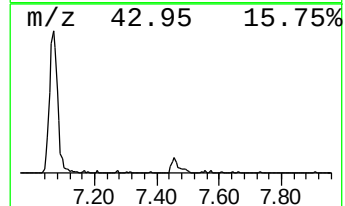
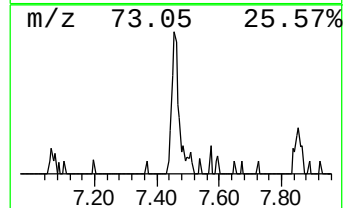
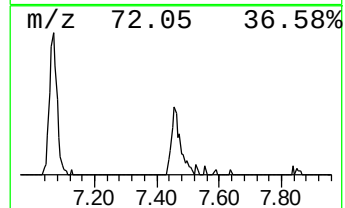
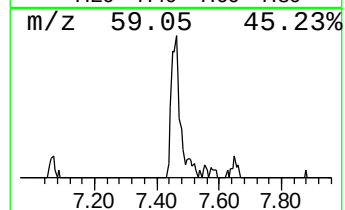
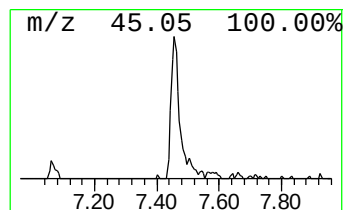
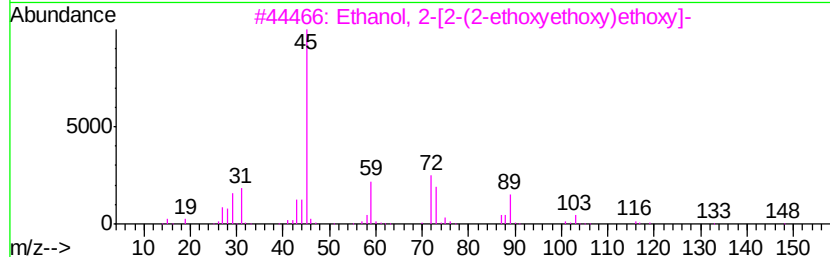
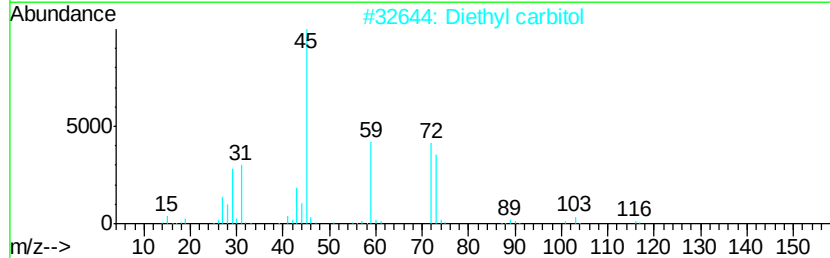
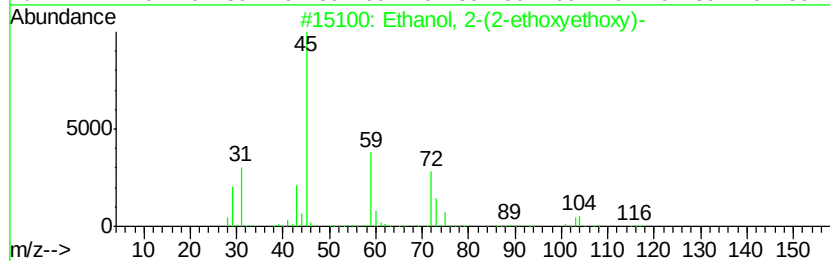
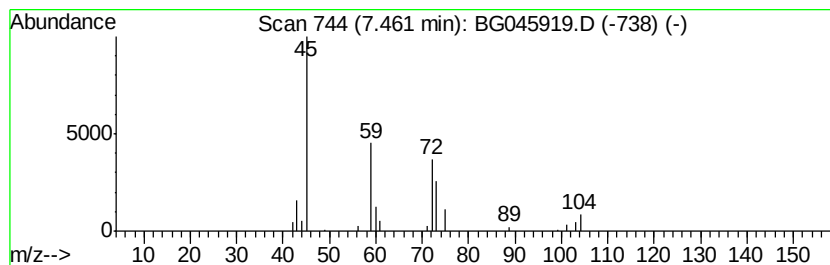
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.46 | 2.88 ng | 39776 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxyethoxy)-        | 134 | C6H14O3  | 000111-90-0 | 72   |
| 2    |    | Diethyl carbitol                    | 162 | C8H18O3  | 000112-36-7 | 64   |
| 3    |    | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4  | 000112-50-5 | 50   |
| 4    |    | 2-Propanol, 1-(1-methylethoxy)-     | 118 | C6H14O2  | 003944-36-3 | 50   |
| 5    |    | Tetraethylene glycol diethyl ether  | 250 | C12H26O5 | 004353-28-0 | 42   |



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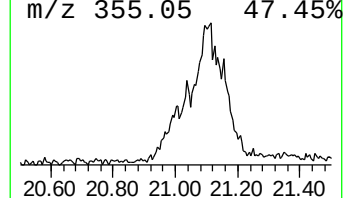
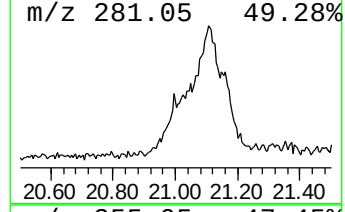
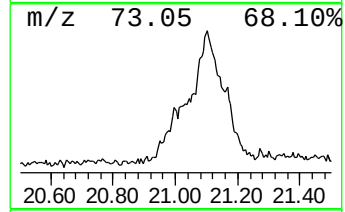
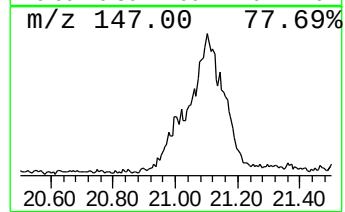
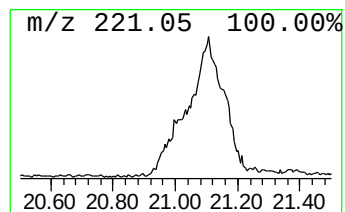
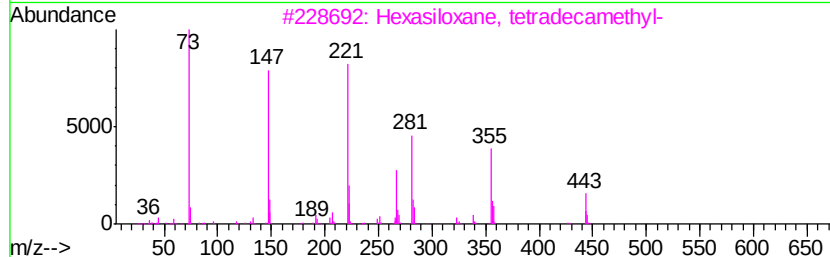
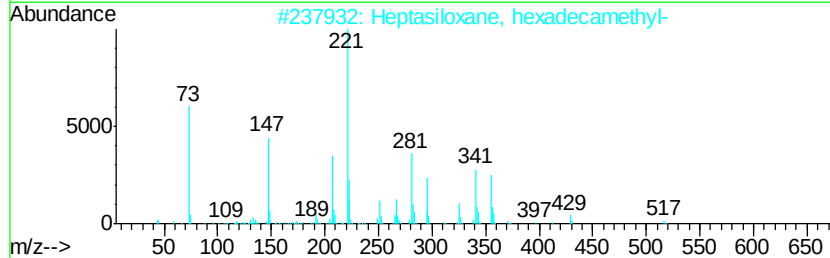
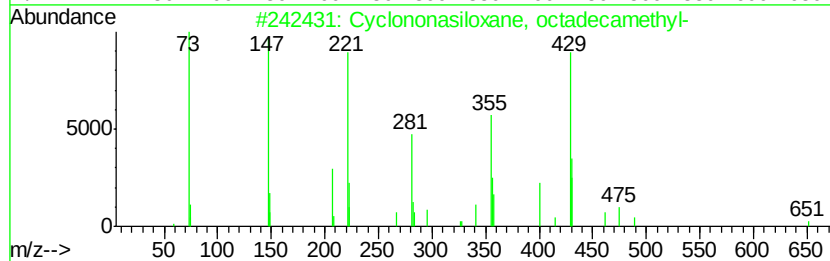
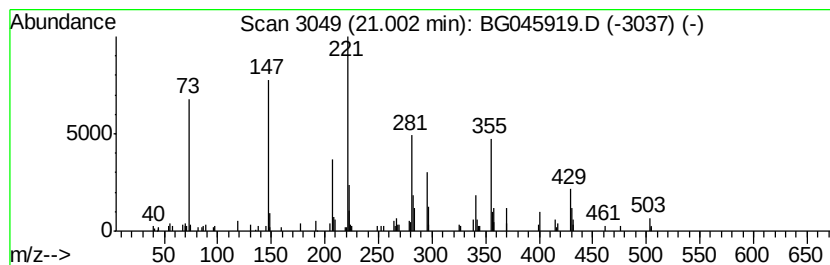
Instrument :  
BNA\_G  
ClientSampleId :  
TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Cyclononasiloxane, octadeca... Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 21.00     | 3.49 ng                             | 151672 | Chrysene-d12     | 21.51        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclononasiloxane, octadecamethyl-  | 666    | C18H54O9Si9      | 000556-71-8  | 78   |
| 2         | Heptasiloxane, hexadecamethyl-      | 532    | C16H48O6Si7      | 000541-01-5  | 53   |
| 3         | Hexasiloxane, tetradecamethyl-      | 458    | C14H42O5Si6      | 000107-52-8  | 38   |
| 4         | Piperidine, 1-(5-trifluoromethyl... | 295    | C15H16F3N3       | 1000268-74-7 | 35   |
| 5         | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294    | C10H30O2Si4      | 004342-25-0  | 25   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

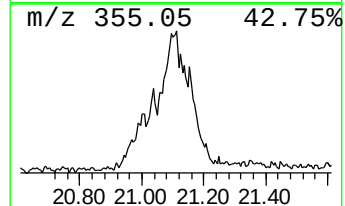
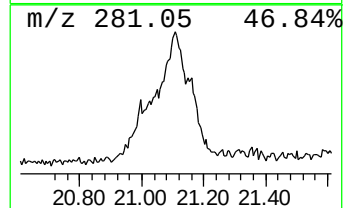
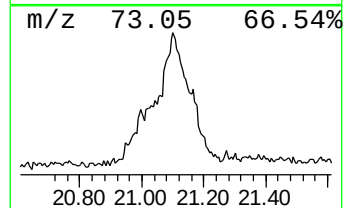
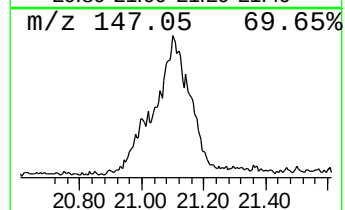
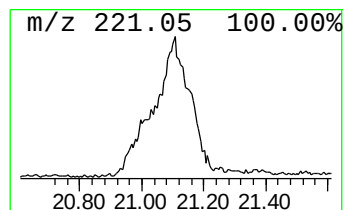
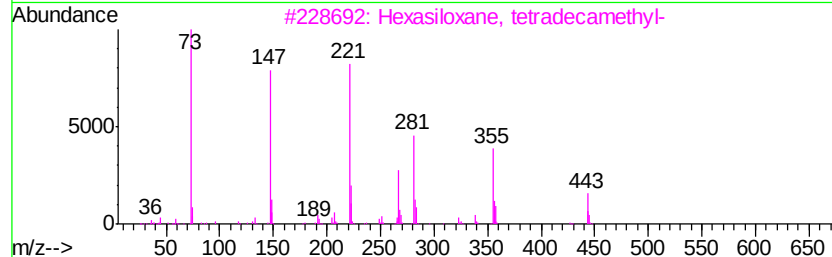
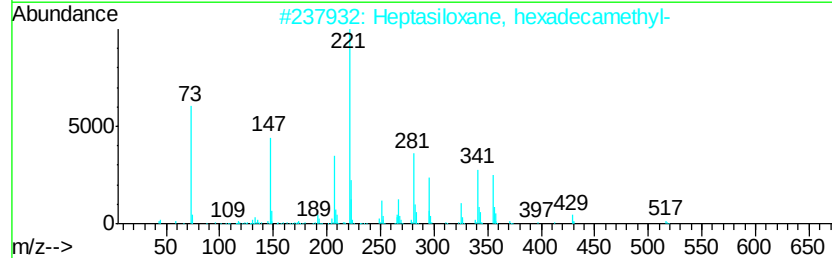
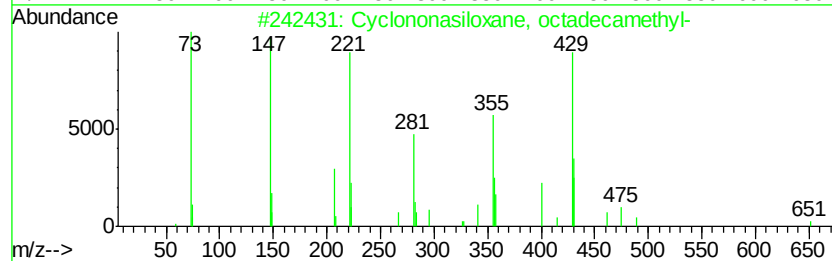
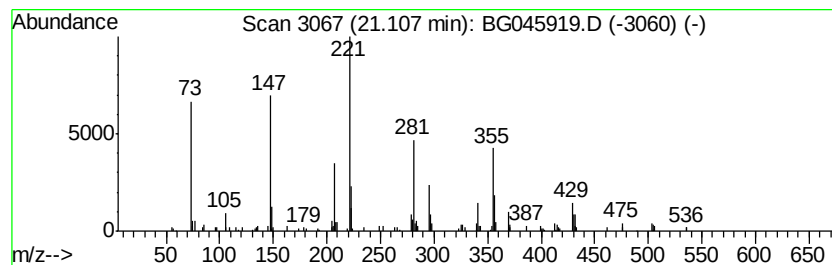
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heptasiloxane, hexadecamethyl- Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.11 | 5.97 ng | 259360 | Chrysene-d12     | 21.51 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9 | 000556-71-8  | 86   |
| 2       |   | Heptasiloxane, hexadecamethyl-      | 532 | C16H48O6Si7 | 000541-01-5  | 56   |
| 3       |   | Hexasiloxane, tetradecamethyl-      | 458 | C14H42O5Si6 | 000107-52-8  | 45   |
| 4       |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0  | 37   |
| 5       |   | 4-Hydroxybenzyl alcohol, bis(ter... | 352 | C19H36O2Si2 | 1000364-43-9 | 32   |



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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

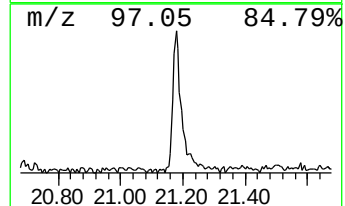
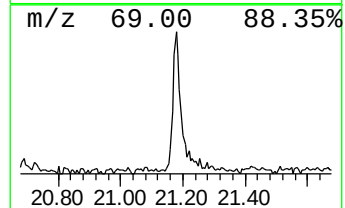
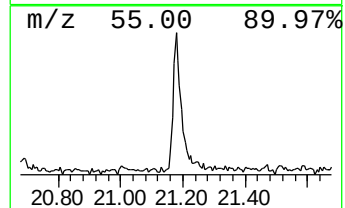
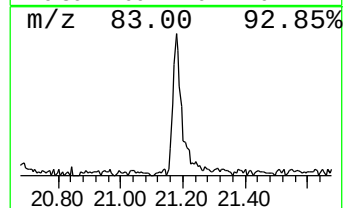
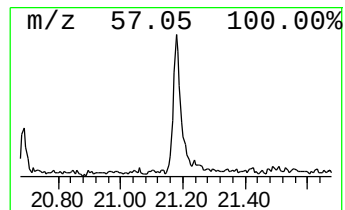
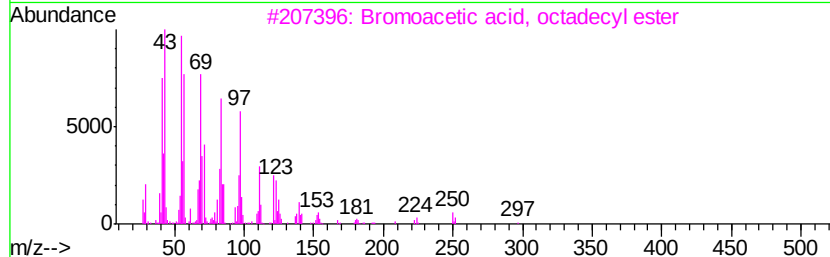
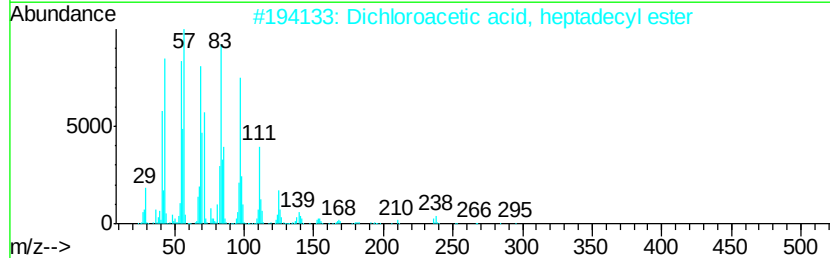
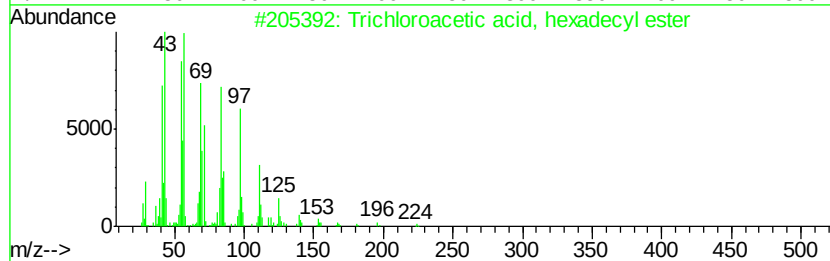
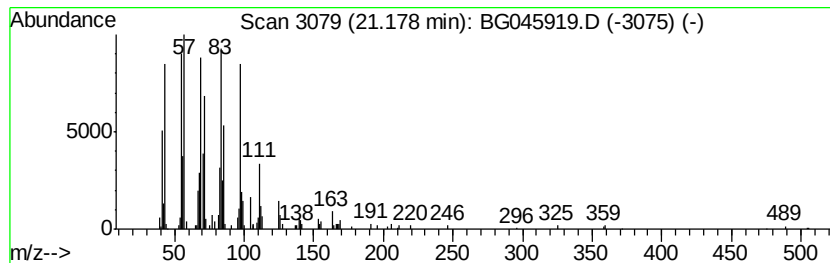
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.18 | 7.32 ng | 318456 | Chrysene-d12     | 21.51 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |
| 2    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 91   |
| 3    |    | Bromoacetic acid, octadecyl ester   | 390 | C20H39BrO2  | 018992-03-5  | 91   |
| 4    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 83   |
| 5    |    | 9-Eicosene, (E)-                    | 280 | C20H40      | 074685-29-3  | 83   |



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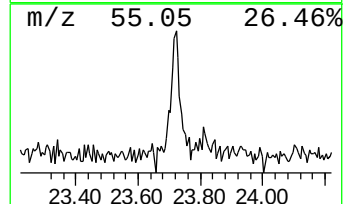
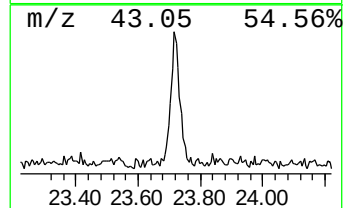
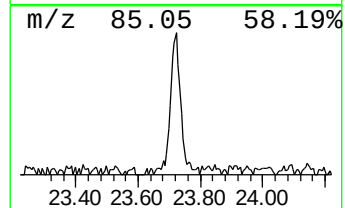
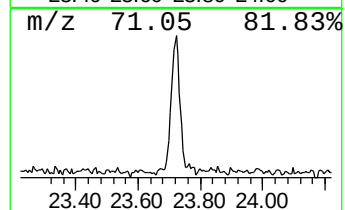
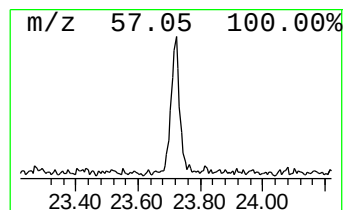
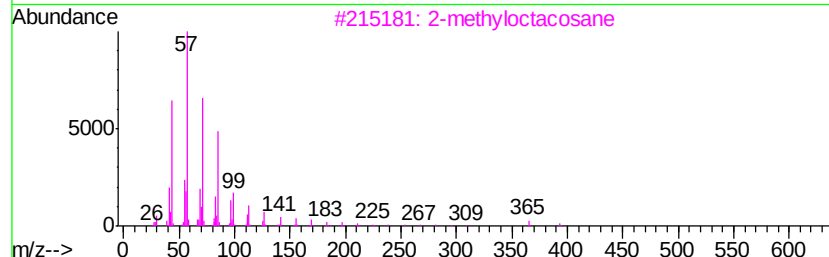
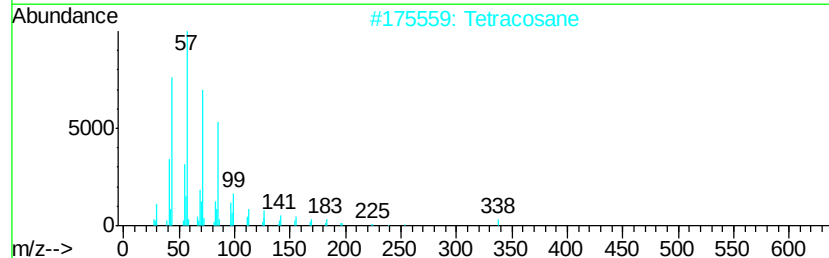
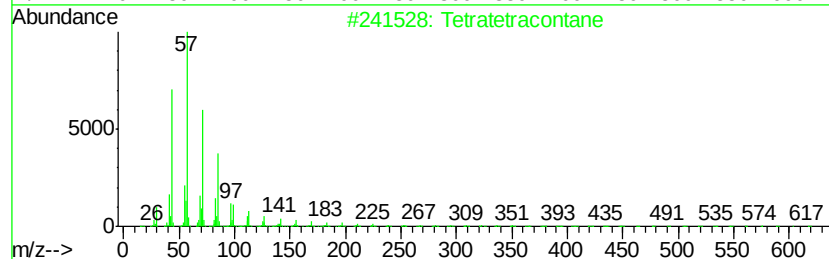
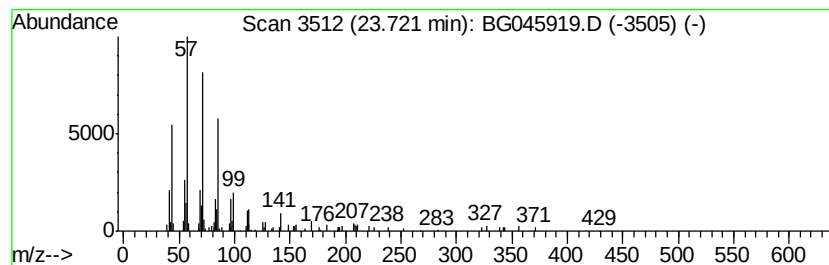
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Tetratetracontane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.72 | 2.04 ng | 98993 | Perylene-d12     | 24.59 |

| Hit# of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|---------|---|------------------------|-----|---------|--------------|------|
| 1       |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8  | 91   |
| 2       |   | Tetracosane            | 338 | C24H50  | 000646-31-1  | 91   |
| 3       |   | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 90   |
| 4       |   | Triacontane            | 422 | C30H62  | 000638-68-6  | 90   |
| 5       |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\  
 Data File : BG045919.D  
 Acq On : 2 Jul 2020 18:04  
 Operator : CG/JU  
 Sample : L3172-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

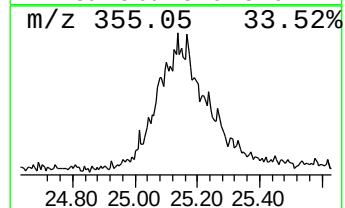
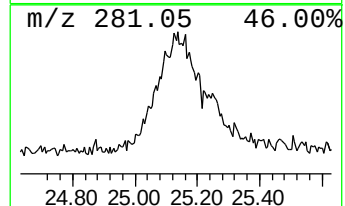
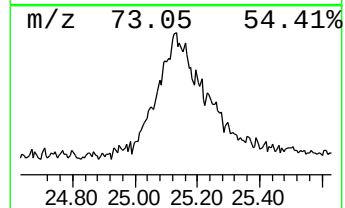
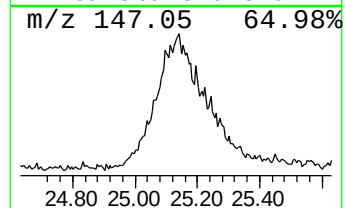
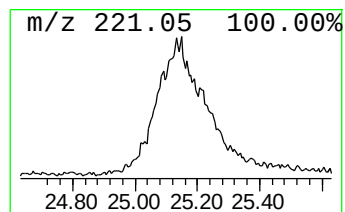
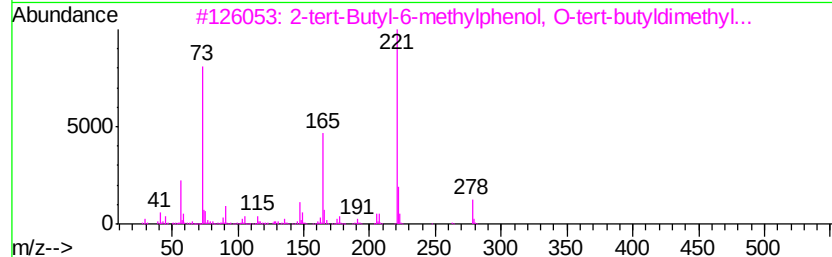
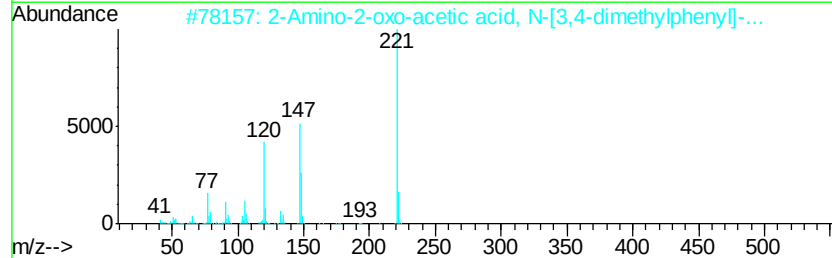
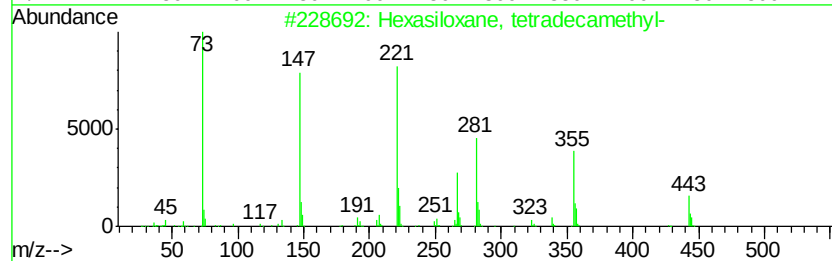
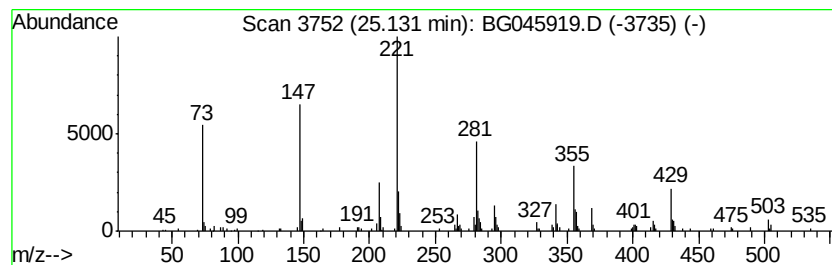
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
 Peak Number 7 Hexasiloxane, tetradecamethyl- Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 25.13     | 8.83 ng                             | 427597 | Perylene-d12     | 24.59        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Hexasiloxane, tetradecamethyl-      | 458    | C14H42O5Si6      | 000107-52-8  | 56   |
| 2         | 2-Amino-2-oxo-acetic acid, N-[3,... | 221    | C12H15N03        | 024451-17-0  | 38   |
| 3         | 2-tert-Butyl-6-methylphenol, O-t... | 278    | C17H30O5Si       | 1000374-86-0 | 35   |
| 4         | 1H-Indole-2-carboxylic acid, 6-(... | 369    | C22H27N04        | 1000316-17-3 | 35   |
| 5         | Trisiloxane, octamethyl-            | 236    | C8H24O2Si3       | 000107-51-7  | 32   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG070220\  
Data File : BG045919.D  
Acq On : 2 Jul 2020 18:04  
Operator : CG/JU  
Sample : L3172-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP5-SS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061520.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 |
| Ethanol, 2-(2-eth... | 7.46  | 2.9     | ng    | 39776    | 1                     | 7.85  | 276467 | 20.0 |
| Cyclononasiloxane... | 21.00 | 3.5     | ng    | 151672   | 5                     | 21.51 | 869523 | 20.0 |
| Heptasiloxane, he... | 21.11 | 6.0     | ng    | 259360   | 5                     | 21.51 | 869523 | 20.0 |
| Trichloroacetic a... | 21.18 | 7.3     | ng    | 318456   | 5                     | 21.51 | 869523 | 20.0 |
| Tetratetracontane    | 23.72 | 2.0     | ng    | 98993    | 6                     | 24.59 | 968379 | 20.0 |
| Hexasiloxane, tet... | 25.13 | 8.8     | ng    | 427597   | 6                     | 24.59 | 968379 | 20.0 |