

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
 Data File : BG041544.D  
 Acq On : 29 Jun 2019 13:37  
 Operator : HP/JU  
 Sample : K3554-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-15

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-BG062619.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         | 4.563       | 247           | 251         | 255          | rBV3     | 14598          | 22216         | 1.28%           | 0.243%        |
| 2         | 5.568       | 416           | 422         | 435          | rBV      | 360792         | 597344        | 34.35%          | 6.534%        |
| 3         | 7.190       | 691           | 698         | 709          | rBV      | 369831         | 661688        | 38.05%          | 7.238%        |
| 4         | 7.560       | 754           | 761         | 779          | rVB      | 373328         | 664243        | 38.20%          | 7.266%        |
| 5         | 8.030       | 835           | 841         | 851          | rVB      | 93214          | 160140        | 9.21%           | 1.752%        |
| 6         | 8.353       | 889           | 896         | 904          | rBV      | 292311         | 502638        | 28.90%          | 5.498%        |
| 7         | 9.211       | 1035          | 1042        | 1056         | rBV      | 227342         | 420188        | 24.16%          | 4.596%        |
| 8         | 10.850      | 1315          | 1321        | 1332         | rBV      | 100983         | 191401        | 11.01%          | 2.094%        |
| 9         | 13.294      | 1730          | 1737        | 1751         | rBV      | 576530         | 890751        | 51.22%          | 9.744%        |
| 10        | 14.123      | 1873          | 1878        | 1887         | rBV      | 59881          | 97768         | 5.62%           | 1.069%        |
| 11        | 14.675      | 1966          | 1972        | 1984         | rBV2     | 181360         | 285682        | 16.43%          | 3.125%        |
| 12        | 16.167      | 2220          | 2226        | 2237         | rBV      | 520183         | 848997        | 48.82%          | 9.287%        |
| 13        | 17.425      | 2433          | 2440        | 2452         | rBV2     | 268450         | 410803        | 23.62%          | 4.494%        |
| 14        | 18.282      | 2580          | 2586        | 2592         | rBV3     | 37754          | 63729         | 3.66%           | 0.697%        |
| 15        | 20.022      | 2876          | 2882        | 2891         | rBV      | 1318057        | 1738969       | 100.00%         | 19.022%       |
| 16        | 21.297      | 3093          | 3099        | 3100         | rBV3     | 20325          | 28396         | 1.63%           | 0.311%        |
| 17        | 21.696      | 3160          | 3167        | 3176         | rBV      | 330485         | 555554        | 31.95%          | 6.077%        |
| 18        | 21.831      | 3186          | 3190        | 3195         | rVB3     | 16326          | 19998         | 1.15%           | 0.219%        |
| 19        | 22.442      | 3289          | 3294        | 3299         | rBV2     | 28190          | 41751         | 2.40%           | 0.457%        |
| 20        | 23.130      | 3407          | 3411        | 3418         | rVB2     | 39197          | 73408         | 4.22%           | 0.803%        |
| 21        | 23.329      | 3439          | 3445        | 3452         | rVB      | 67557          | 129045        | 7.42%           | 1.412%        |
| 22        | 23.941      | 3542          | 3549        | 3557         | rBV2     | 35624          | 79153         | 4.55%           | 0.866%        |
| 23        | 24.904      | 3706          | 3713        | 3717         | rBV3     | 27475          | 63534         | 3.65%           | 0.695%        |
| 24        | 24.980      | 3717          | 3726        | 3737         | rVB2     | 184597         | 533180        | 30.66%          | 5.832%        |
| 25        | 26.038      | 3897          | 3906        | 3915         | rBV7     | 19496          | 61358         | 3.53%           | 0.671%        |

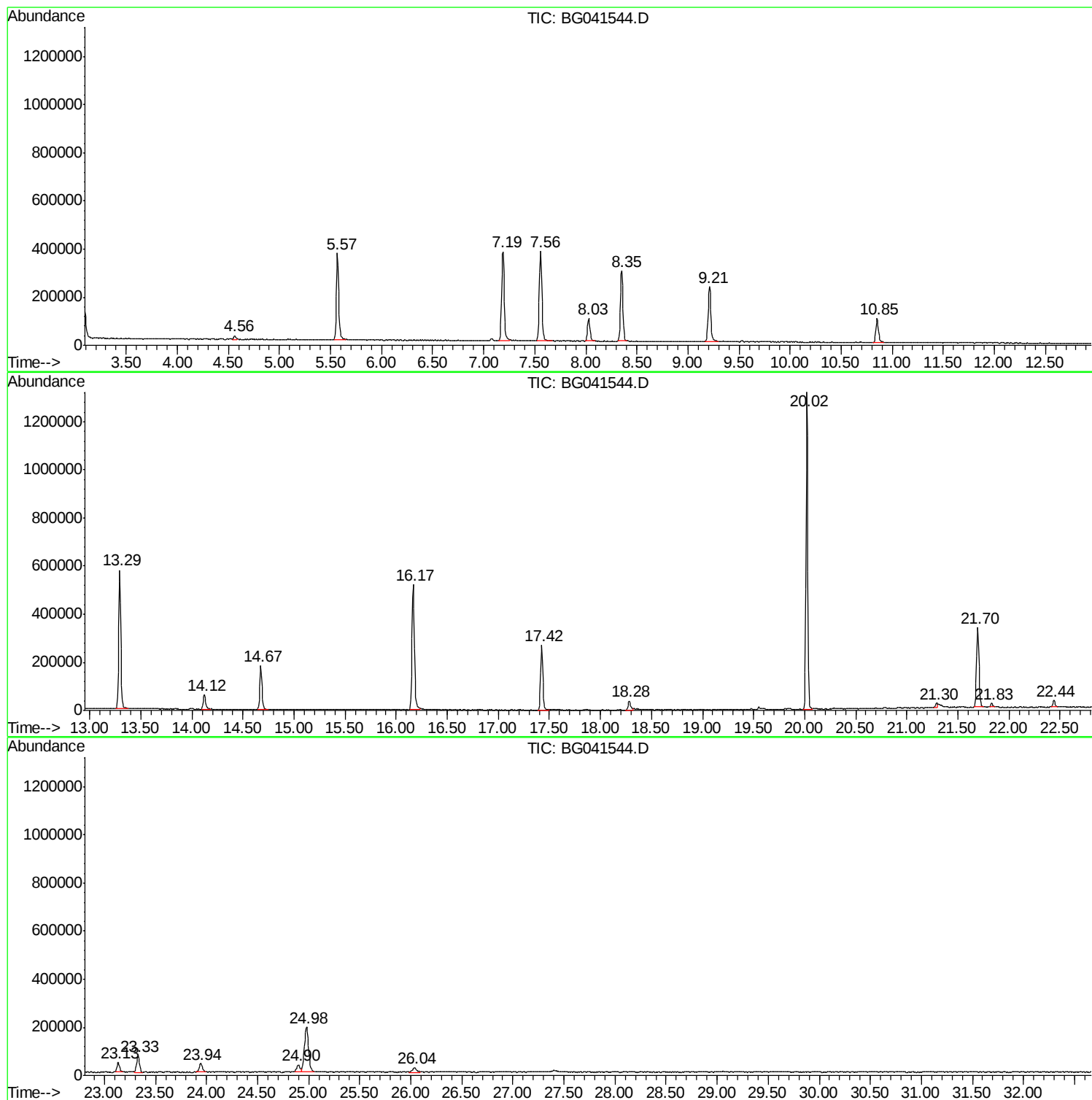
Sum of corrected areas: 9141934

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

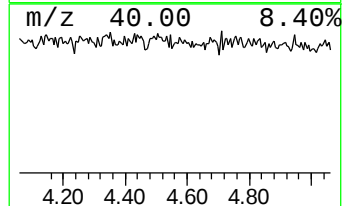
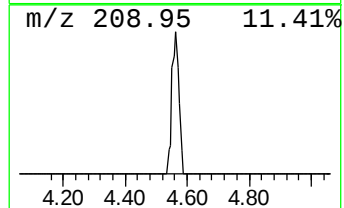
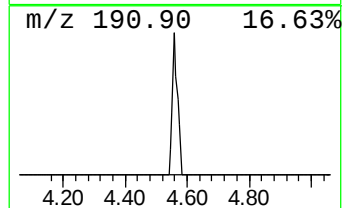
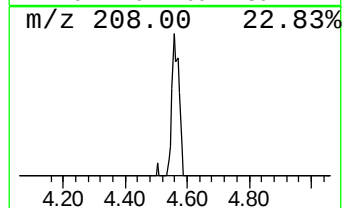
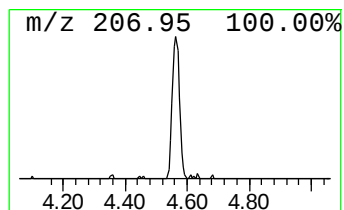
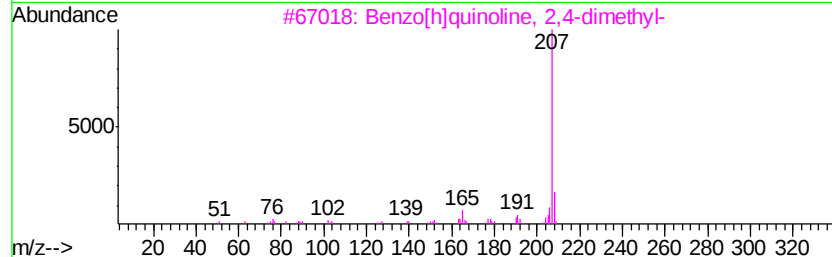
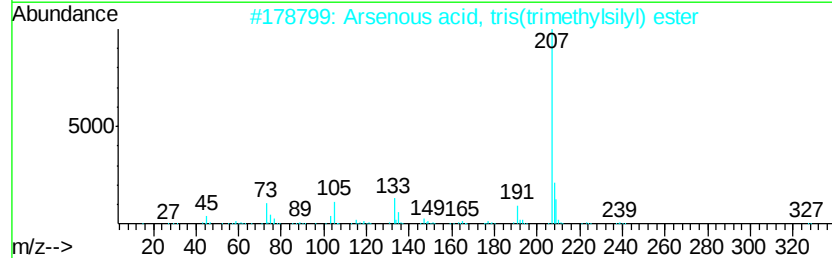
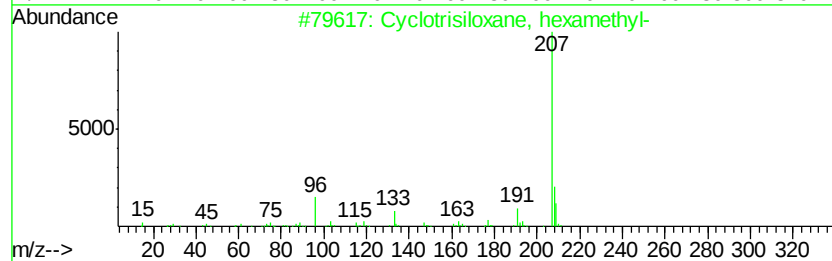
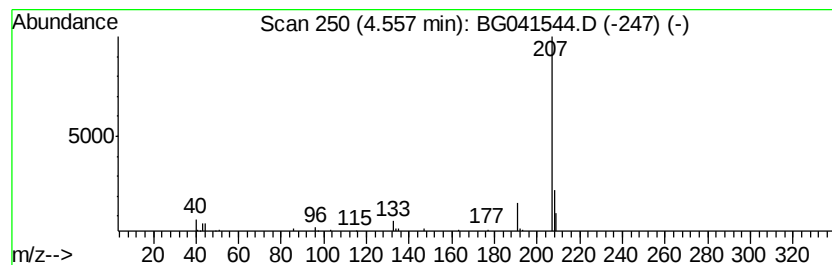
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.56 | 2.77 ng | 22216 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm      | CAS#        | Qual |
|------|----|-------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Cyclotrisiloxane, hexamethyl-       | 222 | C6H18O3Si3   | 000541-05-9 | 83   |
| 2    |    | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 64   |
| 3    |    | Benzo[h]quinoline, 2,4-dimethyl-    | 207 | C15H13N      | 000605-67-4 | 59   |
| 4    |    | 1H-Pyrrole-2,5-dione, 1-(4-chlor... | 207 | C10H6ClN02   | 001631-29-4 | 50   |
| 5    |    | 2-Methyl-7-phenylindole             | 207 | C15H13N      | 001140-08-5 | 42   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

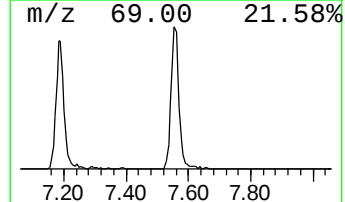
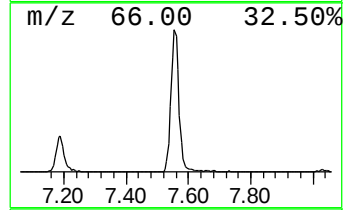
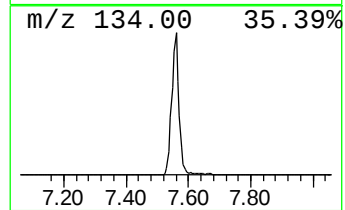
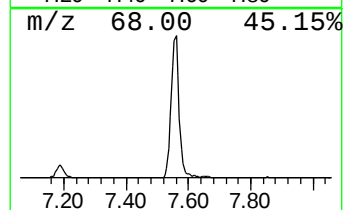
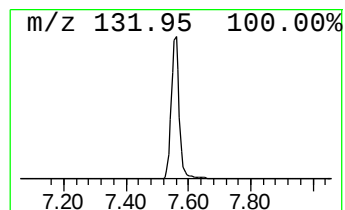
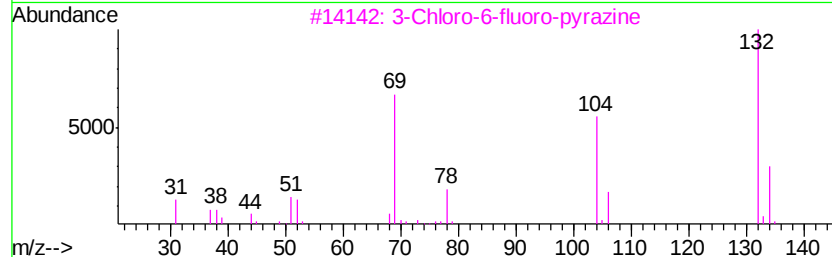
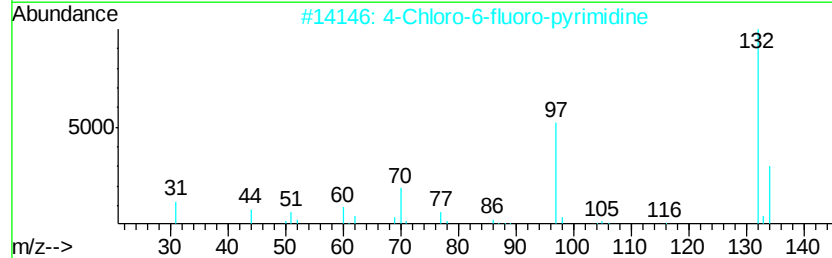
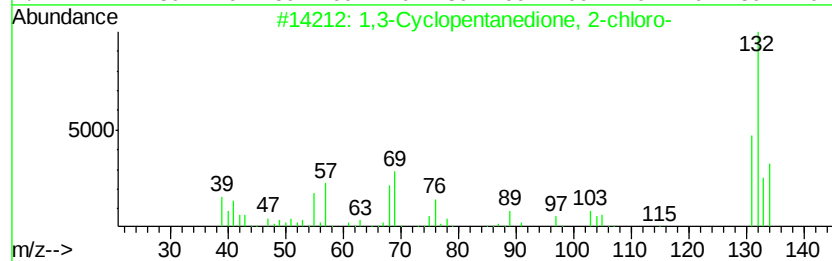
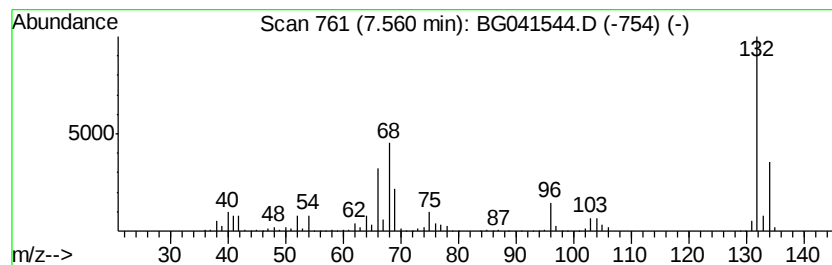
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown7.56 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.56 | 82.96 ng | 664243 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 35   |
| 2    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

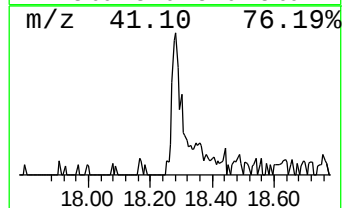
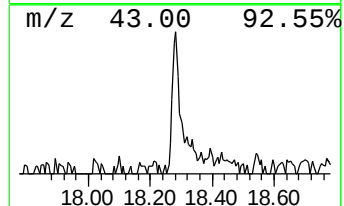
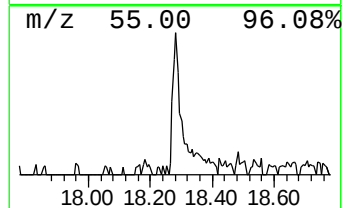
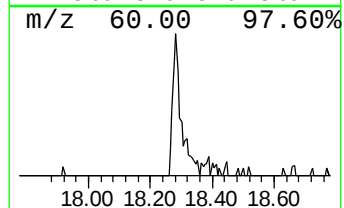
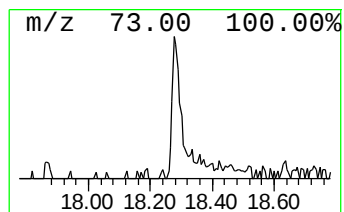
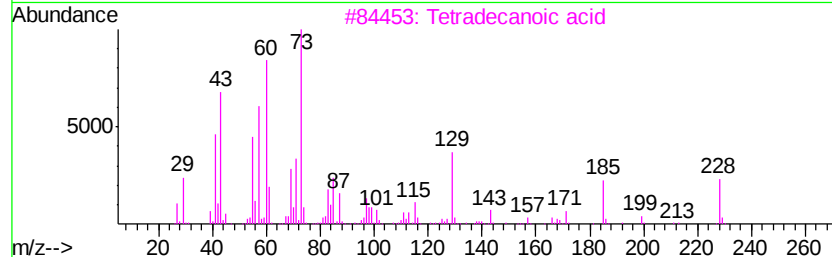
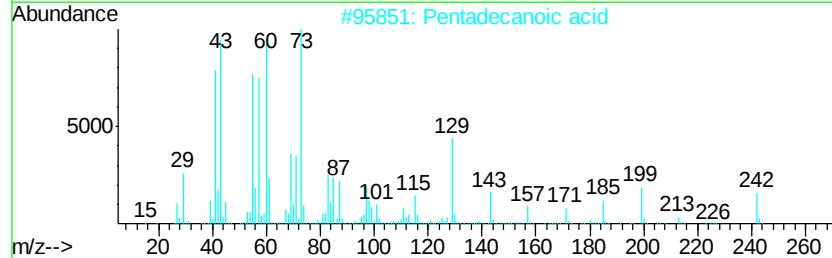
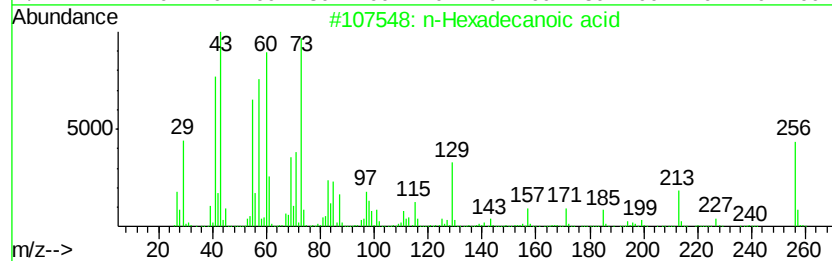
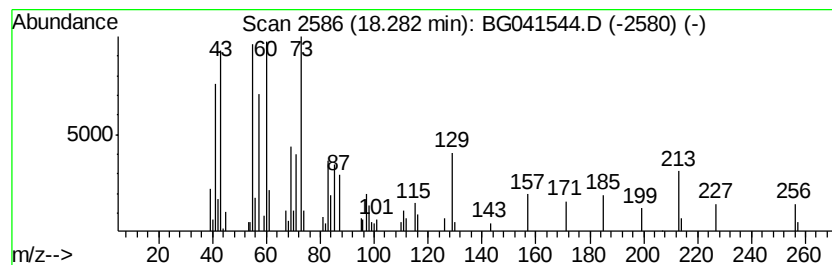
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc             | Area  | Relative to ISTD | R.T.        |      |
|-----------|---------------------|-------|------------------|-------------|------|
| 18.28     | 3.10 ng             | 63729 | Phenanthrene-d10 | 17.42       |      |
| Hit# of 5 | Tentative ID        | MW    | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256   | C16H32O2         | 000057-10-3 | 93   |
| 2         | Pentadecanoic acid  | 242   | C15H30O2         | 001002-84-2 | 80   |
| 3         | Tetradecanoic acid  | 228   | C14H28O2         | 000544-63-8 | 59   |
| 4         | Tridecanoic acid    | 214   | C13H26O2         | 000638-53-9 | 59   |
| 5         | Dodecanoic acid     | 200   | C12H24O2         | 000143-07-7 | 53   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

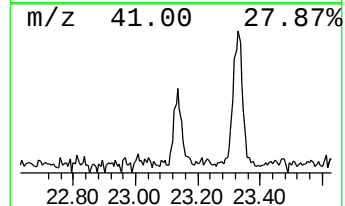
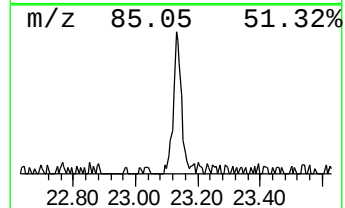
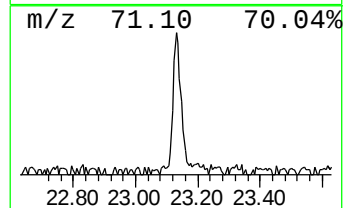
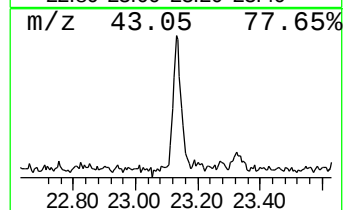
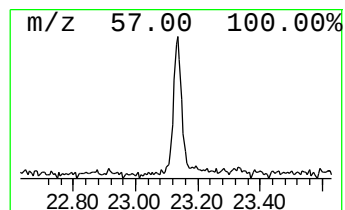
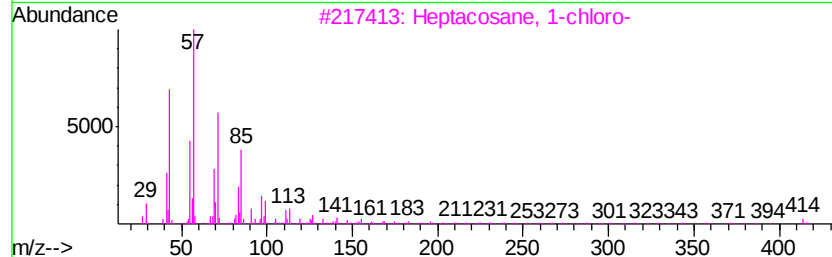
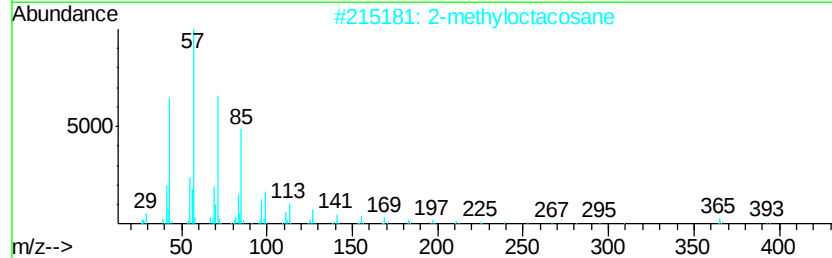
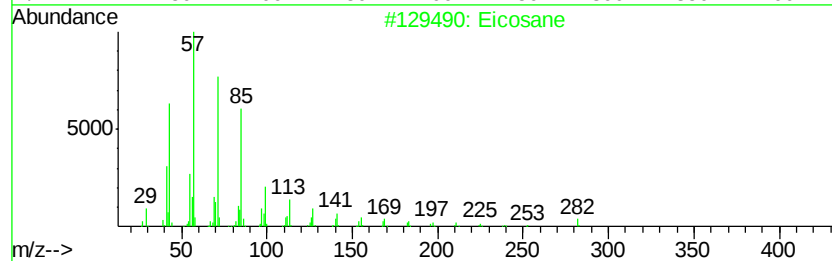
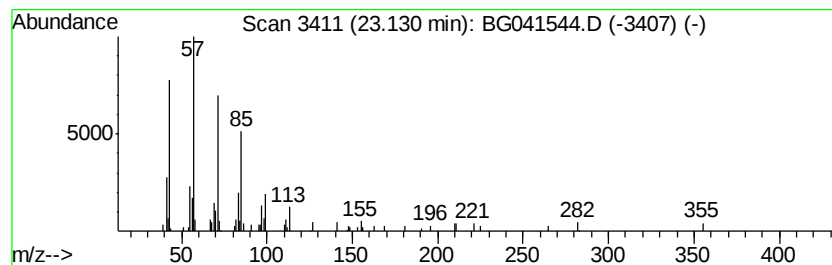
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Eicosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.13 | 2.64 ng | 73408 | Chrysene-d12     | 21.70 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|------------------------|--------------|-----|----------|--------------|------|
| 1       | Eicosane               |              | 282 | C20H42   | 000112-95-8  | 90   |
| 2       | 2-methyloctacosane     |              | 408 | C29H60   | 1000376-72-8 | 86   |
| 3       | Heptacosane, 1-chloro- |              | 414 | C27H55Cl | 062016-79-9  | 80   |
| 4       | Hentriacontane         |              | 437 | C31H64   | 000630-04-6  | 80   |
| 5       | Tetratetracontane      |              | 619 | C44H90   | 007098-22-8  | 80   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

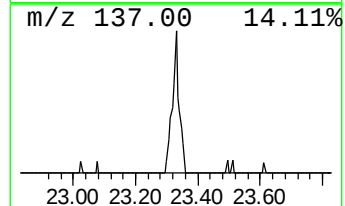
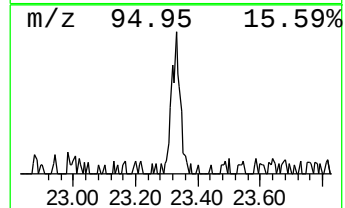
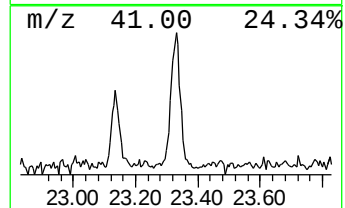
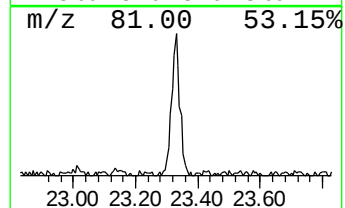
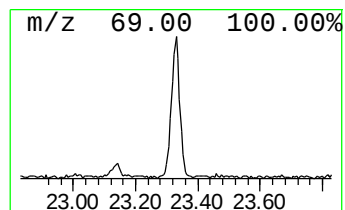
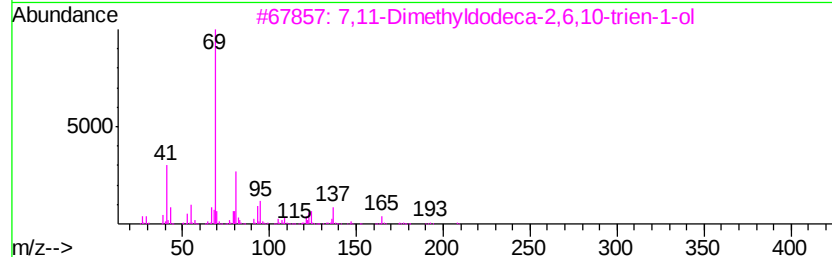
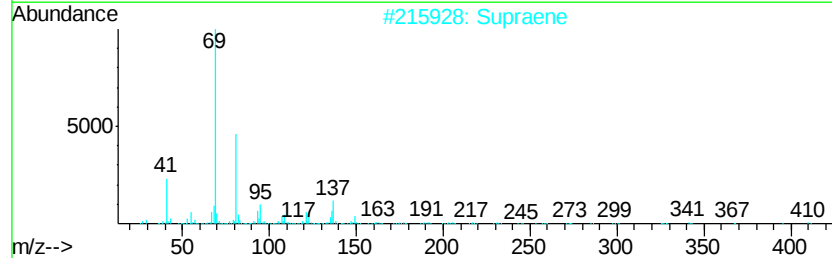
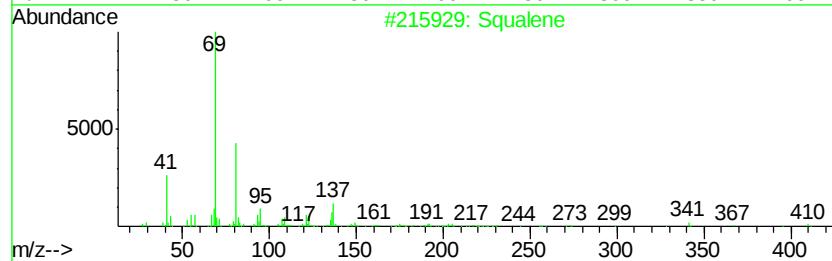
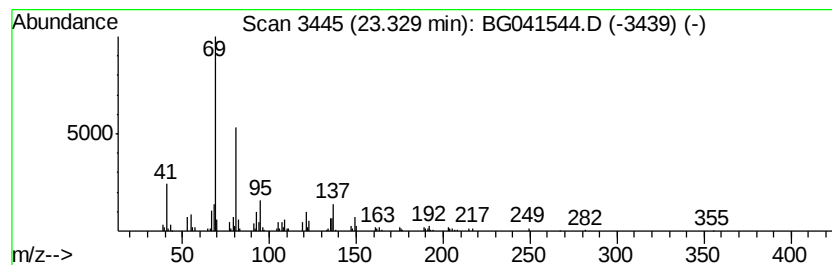
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Squalene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.33 | 4.65 ng | 129045 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4 | 91   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9 | 91   |
| 3    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 74   |
| 4    |    | Hexadeca-2,6,10,14-tetraen-1-ol,... | 290 | C20H34O | 007614-21-3 | 72   |
| 5    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 72   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

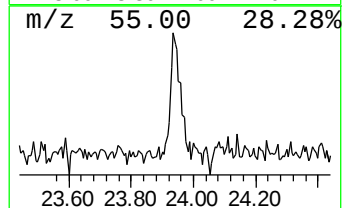
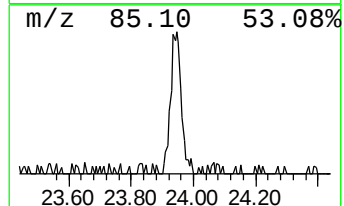
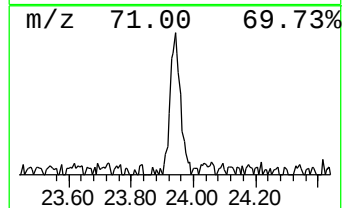
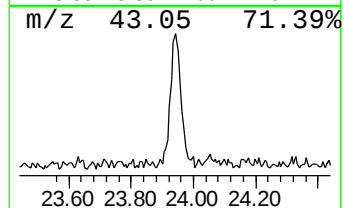
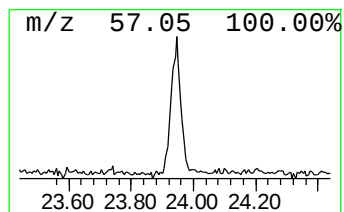
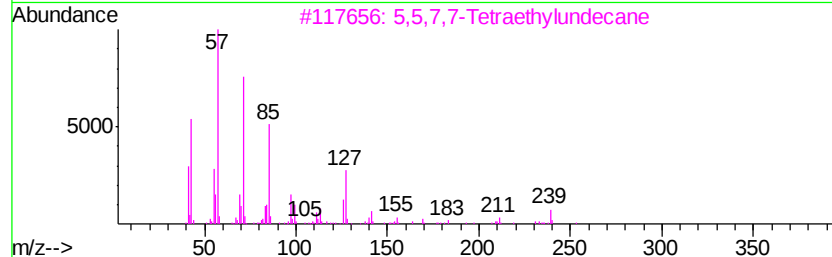
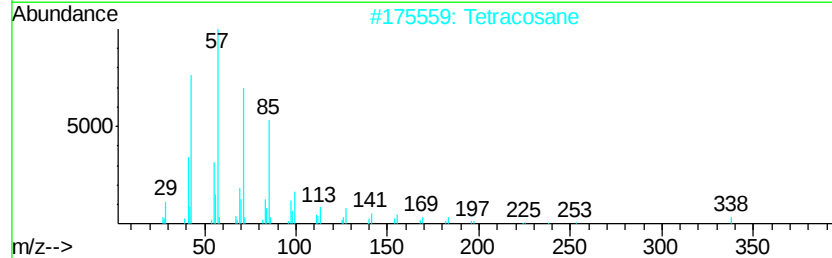
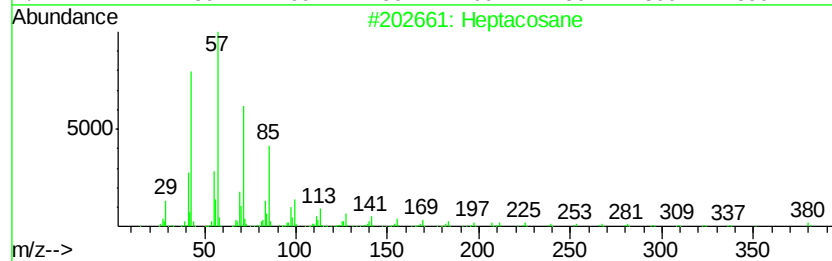
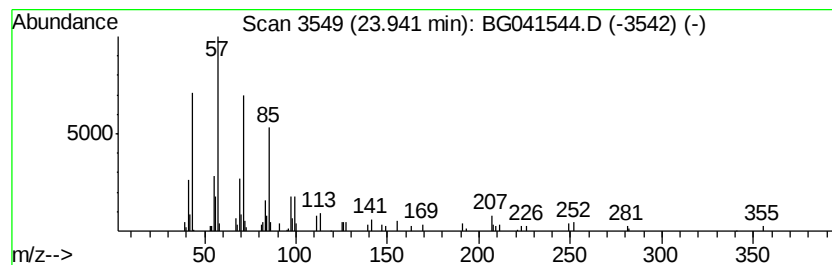
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Heptacosane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.94 | 2.97 ng | 79153 | Perylene-d12     | 24.98 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|-----------|-------------------------------------|-----|-----------|--------------|------|
| 1         | Heptacosane                         | 380 | C27H56    | 000593-49-7  | 87   |
| 2         | Tetracosane                         | 338 | C24H50    | 000646-31-1  | 87   |
| 3         | 5,5,7,7-Tetraethylundecane          | 268 | C19H40    | 1000360-42-0 | 86   |
| 4         | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 86   |
| 5         | Tritetracontane                     | 605 | C43H88    | 007098-21-7  | 86   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

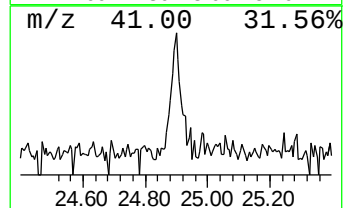
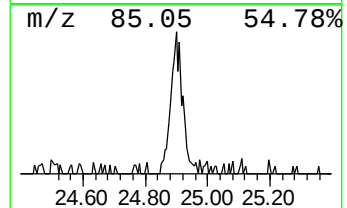
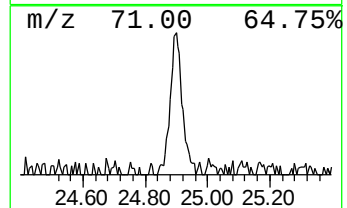
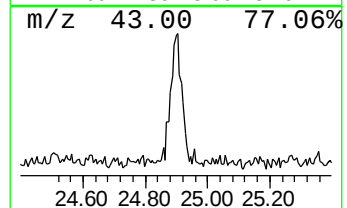
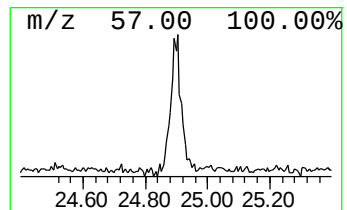
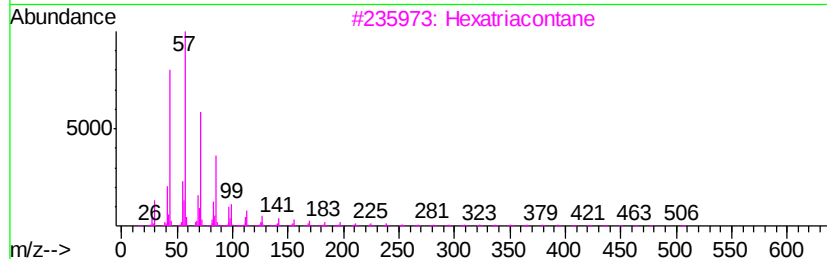
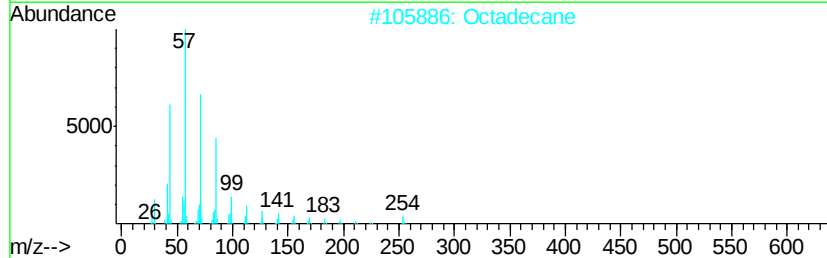
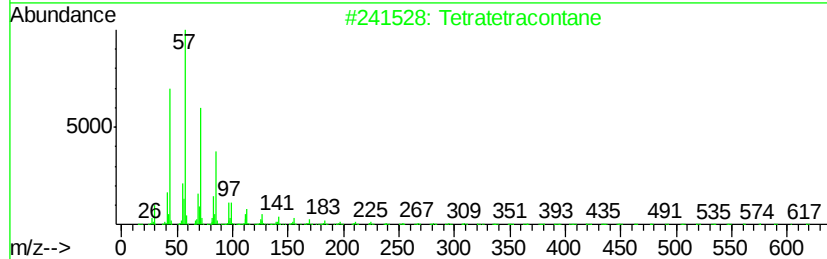
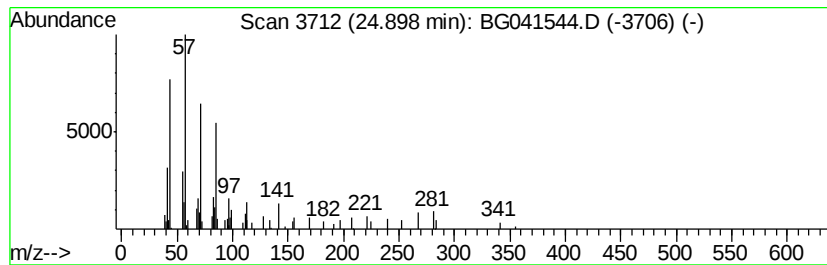
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Tetratetracontane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 24.90 | 2.38 ng | 63534 | Perylene-d12     | 24.98 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------|-----|---------|-------------|------|
| 1       |   | Tetratetracontane   | 619 | C44H90  | 007098-22-8 | 58   |
| 2       |   | Octadecane          | 254 | C18H38  | 000593-45-3 | 58   |
| 3       |   | Hexatriacontane     | 507 | C36H74  | 000630-06-8 | 58   |
| 4       |   | Heptacosane         | 380 | C27H56  | 000593-49-7 | 58   |
| 5       |   | Docosane, 11-decyl- | 451 | C32H66  | 055401-55-3 | 58   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

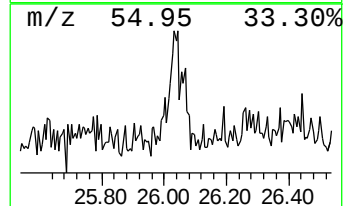
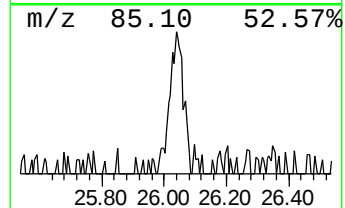
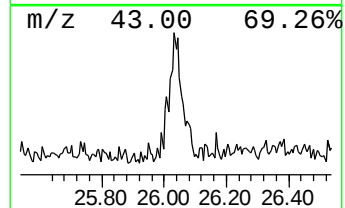
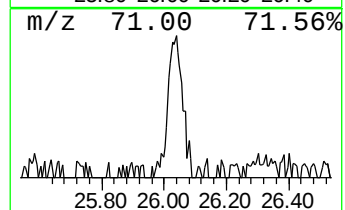
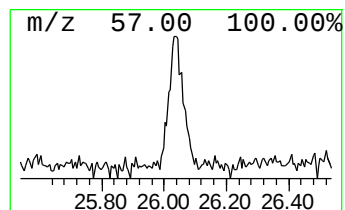
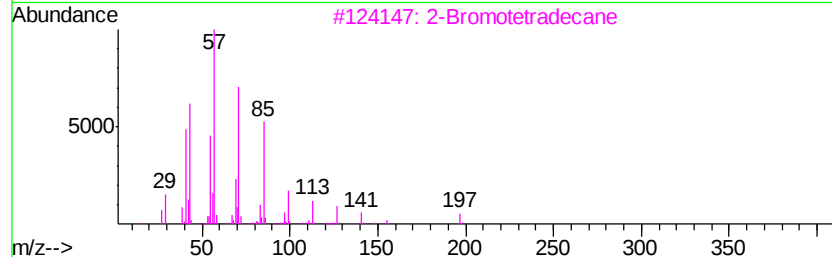
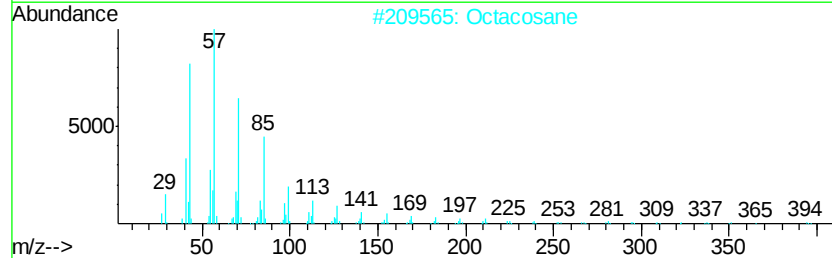
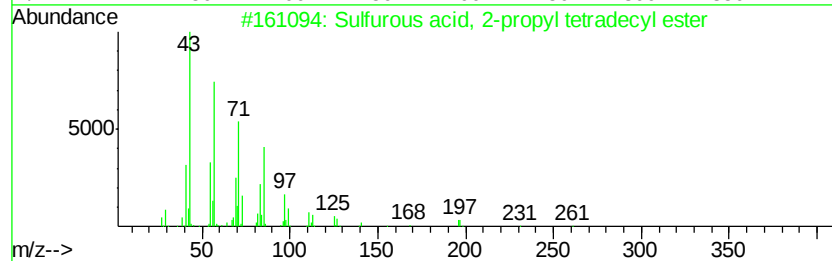
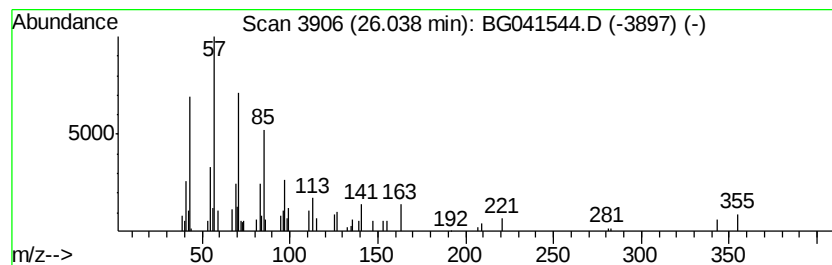
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Sulfurous acid, 2-propyl te... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 26.04 | 2.30 ng | 61358 | Perylene-d12     | 24.98 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1000309-12-5 | 64   |
| 2    |    | Octacosane                           | 394 | C28H58    | 000630-02-4  | 58   |
| 3    |    | 2-Bromotetradecane                   | 276 | C14H29Br  | 074036-95-6  | 52   |
| 4    |    | Tetratetracontane                    | 619 | C44H90    | 007098-22-8  | 52   |
| 5    |    | Tridecanol, 2-ethyl-2-methyl-        | 242 | C16H34O   | 1000115-66-1 | 52   |



Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062919\  
Data File : BG041544.D  
Acq On : 29 Jun 2019 13:37  
Operator : HP/JU  
Sample : K3554-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.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 |
| Cyclotrisiloxane,... | 4.56  | 2.8     | ng    | 22216    | 1                     | 8.03  | 160140 | 20.0 |
| unknown7.56          | 7.56  | 83.0    | ng    | 664243   | 1                     | 8.03  | 160140 | 20.0 |
| n-Hexadecanoic acid  | 18.28 | 3.1     | ng    | 63729    | 4                     | 17.42 | 410803 | 20.0 |
| Eicosane             | 23.13 | 2.6     | ng    | 73408    | 5                     | 21.70 | 555554 | 20.0 |
| Squalene             | 23.33 | 4.7     | ng    | 129045   | 5                     | 21.70 | 555554 | 20.0 |
| Heptacosane          | 23.94 | 3.0     | ng    | 79153    | 6                     | 24.98 | 533180 | 20.0 |
| Tetratetracontane    | 24.90 | 2.4     | ng    | 63534    | 6                     | 24.98 | 533180 | 20.0 |
| Sulfurous acid, 2... | 26.04 | 2.3     | ng    | 61358    | 6                     | 24.98 | 533180 | 20.0 |