

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
 Data File : BG041309.D  
 Acq On : 18 Jun 2019 22:32  
 Operator : HP/JU  
 Sample : K3419-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-C

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-BG061719.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         | 3.155       | 6             | 11          | 25           | rVB      | 214513         | 362248        | 12.65%          | 2.208%        |
| 2         | 4.618       | 256           | 260         | 268          | rVB      | 24054          | 36545         | 1.28%           | 0.223%        |
| 3         | 5.617       | 424           | 430         | 443          | rBV      | 744460         | 1213899       | 42.38%          | 7.398%        |
| 4         | 7.232       | 697           | 705         | 720          | rBV      | 820080         | 1407080       | 49.12%          | 8.575%        |
| 5         | 7.609       | 761           | 769         | 784          | rBV      | 762387         | 1332592       | 46.52%          | 8.121%        |
| 6         | 8.079       | 843           | 849         | 857          | rBV      | 130166         | 219256        | 7.65%           | 1.336%        |
| 7         | 8.402       | 897           | 904         | 912          | rBV      | 555239         | 958927        | 33.48%          | 5.844%        |
| 8         | 9.260       | 1042          | 1050        | 1064         | rBV      | 484206         | 882534        | 30.81%          | 5.379%        |
| 9         | 10.899      | 1322          | 1329        | 1340         | rBV      | 157432         | 295250        | 10.31%          | 1.799%        |
| 10        | 13.337      | 1737          | 1744        | 1759         | rBV      | 1288706        | 1955338       | 68.26%          | 11.917%       |
| 11        | 14.160      | 1875          | 1884        | 1892         | rBV      | 100293         | 150872        | 5.27%           | 0.919%        |
| 12        | 14.718      | 1971          | 1979        | 1988         | rBV2     | 273924         | 457944        | 15.99%          | 2.791%        |
| 13        | 16.204      | 2225          | 2232        | 2247         | rBV      | 1171962        | 1766002       | 61.65%          | 10.763%       |
| 14        | 17.462      | 2438          | 2446        | 2457         | rBV      | 389684         | 593055        | 20.70%          | 3.614%        |
| 15        | 18.314      | 2585          | 2591        | 2602         | rBV3     | 58680          | 105111        | 3.67%           | 0.641%        |
| 16        | 19.583      | 2802          | 2807        | 2814         | rBV6     | 24816          | 44044         | 1.54%           | 0.268%        |
| 17        | 20.059      | 2882          | 2888        | 2899         | rVB      | 2321026        | 2864385       | 100.00%         | 17.457%       |
| 18        | 21.334      | 3100          | 3105        | 3115         | rBV2     | 60404          | 119839        | 4.18%           | 0.730%        |
| 19        | 21.733      | 3167          | 3173        | 3186         | rVB      | 416441         | 701102        | 24.48%          | 4.273%        |
| 20        | 21.880      | 3193          | 3198        | 3202         | rBV3     | 25272          | 31837         | 1.11%           | 0.194%        |
| 21        | 22.491      | 3298          | 3302        | 3307         | rVB3     | 26731          | 41648         | 1.45%           | 0.254%        |
| 22        | 23.196      | 3416          | 3422        | 3431         | rVB3     | 35057          | 75958         | 2.65%           | 0.463%        |
| 23        | 24.013      | 3555          | 3561        | 3569         | rVB5     | 32614          | 74266         | 2.59%           | 0.453%        |
| 24        | 24.982      | 3718          | 3726        | 3728         | rBV4     | 22947          | 49973         | 1.74%           | 0.305%        |
| 25        | 25.047      | 3728          | 3737        | 3747         | rVB2     | 213275         | 626478        | 21.87%          | 3.818%        |
| 26        | 26.122      | 3916          | 3920        | 3929         | rVB6     | 15337          | 42338         | 1.48%           | 0.258%        |

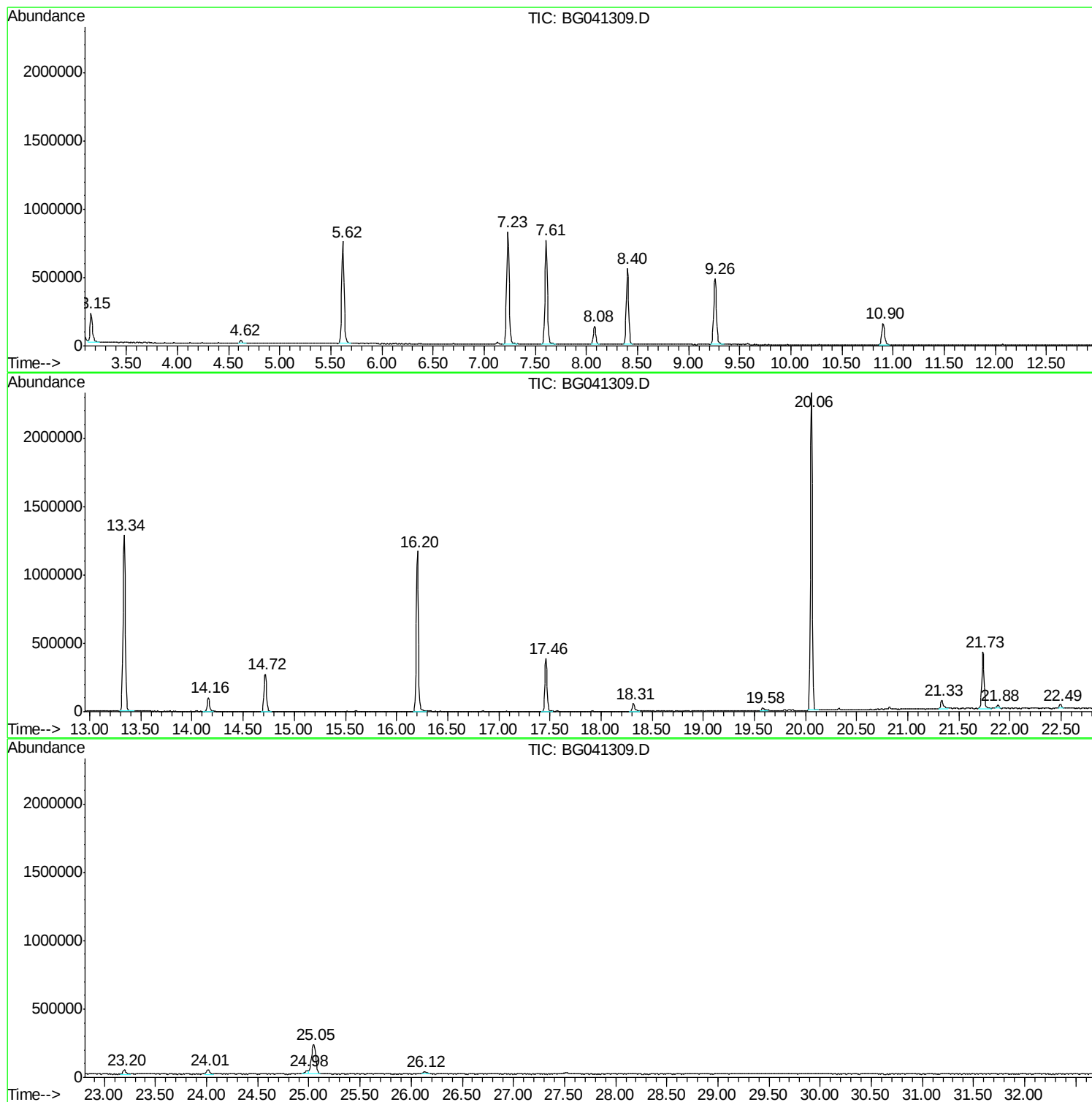
Sum of corrected areas: 16408521

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.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\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

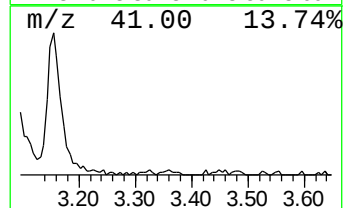
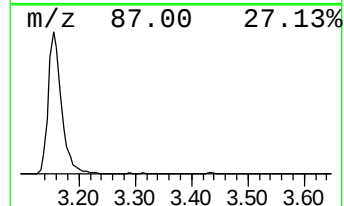
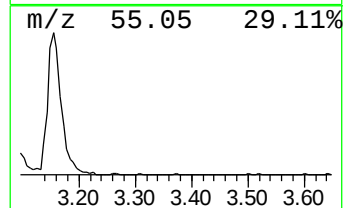
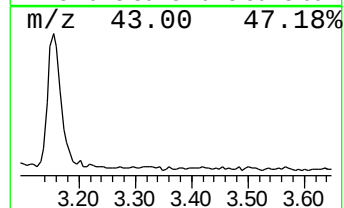
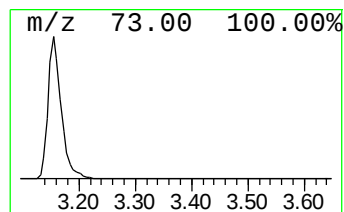
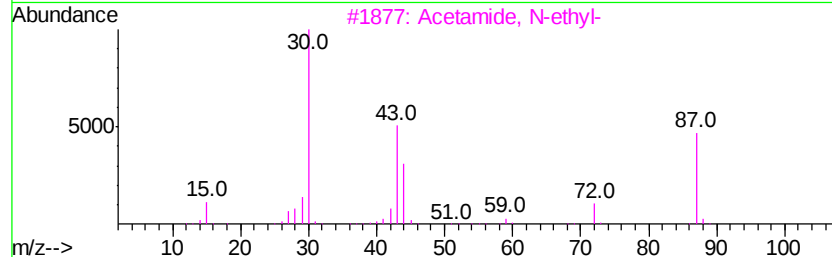
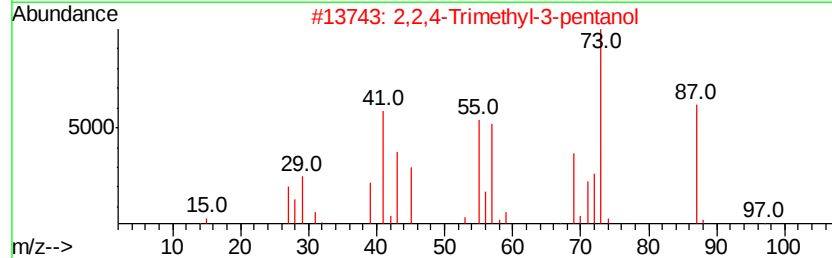
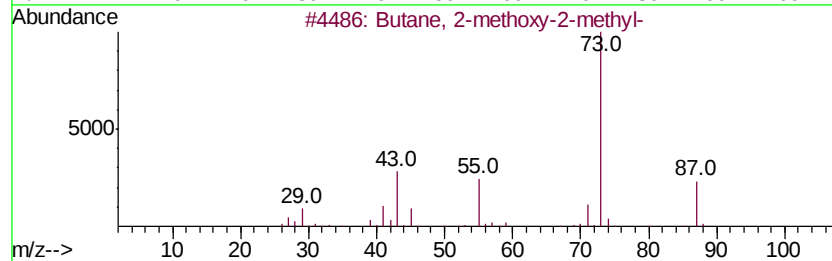
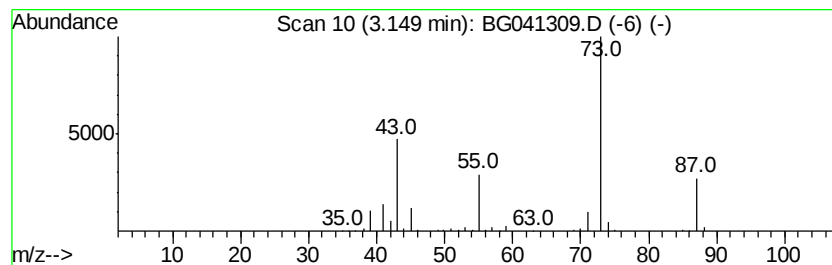
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.15 | 33.04 ng | 362248 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 50   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 25   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | Hexanoic acid, 2-ethyl-     | 144 | C8H16O2 | 000149-57-5 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

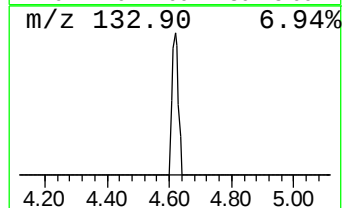
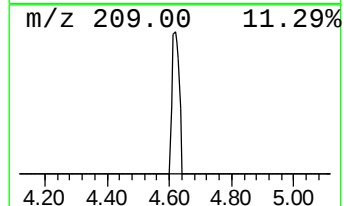
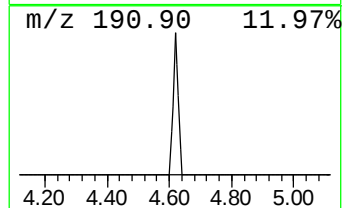
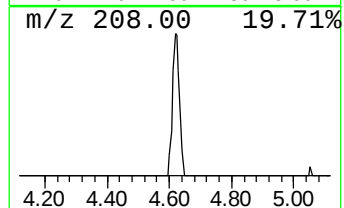
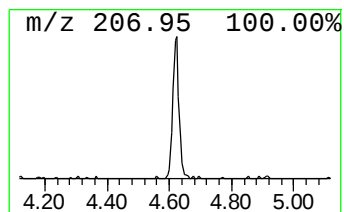
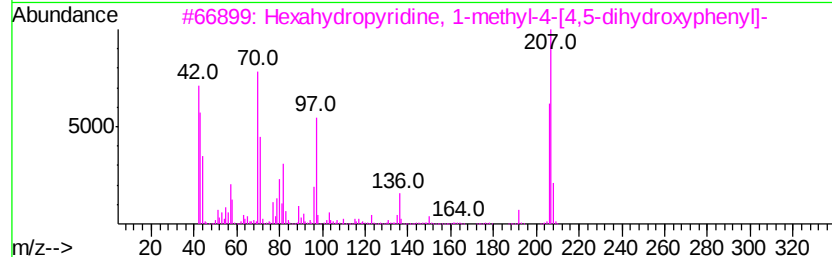
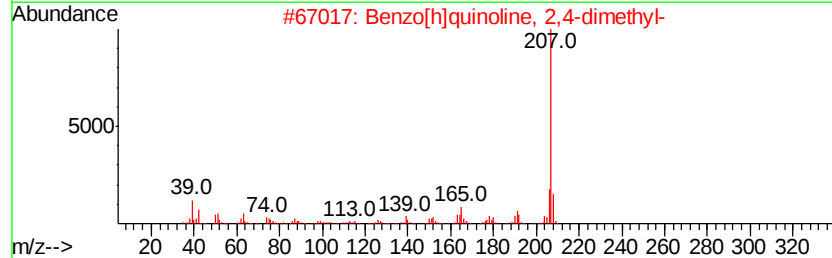
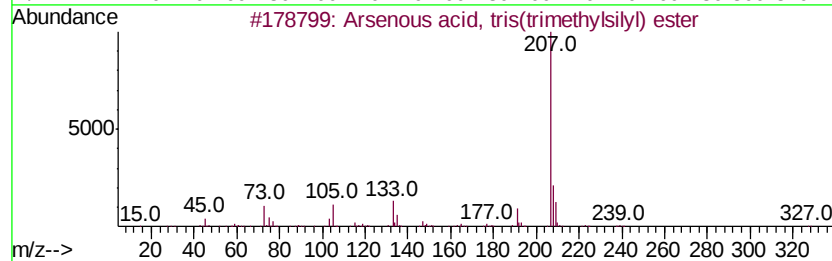
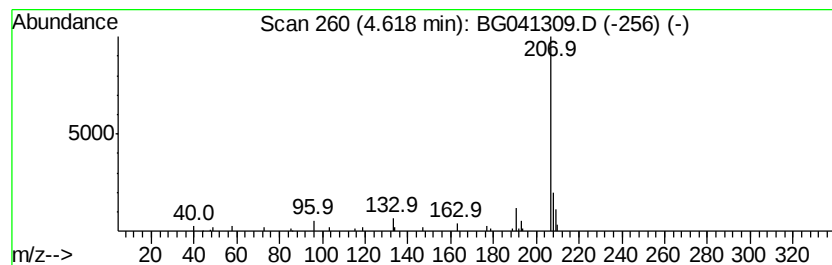
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Arsenous acid, tris(trimeth... Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.62 | 3.33 ng | 36545 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# | of | Tentative ID                           | MW  | MolForm      | CAS#        | Qual |
|------|----|----------------------------------------|-----|--------------|-------------|------|
| 1    | 5  | Arsenous acid, tris(trimethylsil...    | 342 | C9H27AsO3Si3 | 055429-29-3 | 78   |
| 2    |    | Benzo[h]quinoline, 2,4-dimethyl-       | 207 | C15H13N      | 000605-67-4 | 64   |
| 3    |    | Hexahydrodropyridine, 1-methyl-4-[4... | 207 | C12H17N02    | 094427-47-1 | 53   |
| 4    |    | Cyclotrisiloxane, hexamethyl-          | 222 | C6H18O3Si3   | 000541-05-9 | 47   |
| 5    |    | o-(p-Tolyl) 1-azetidinecarbothioate    | 207 | C11H13NOS    | 010560-24-4 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

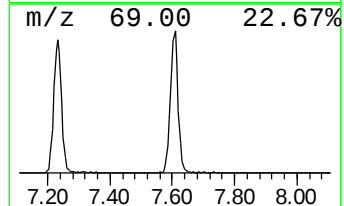
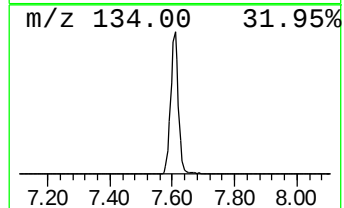
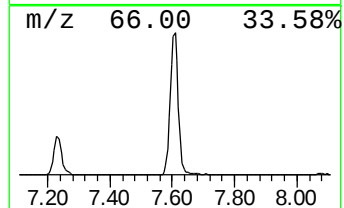
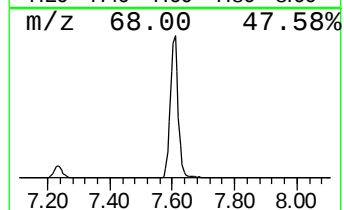
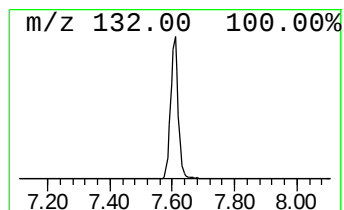
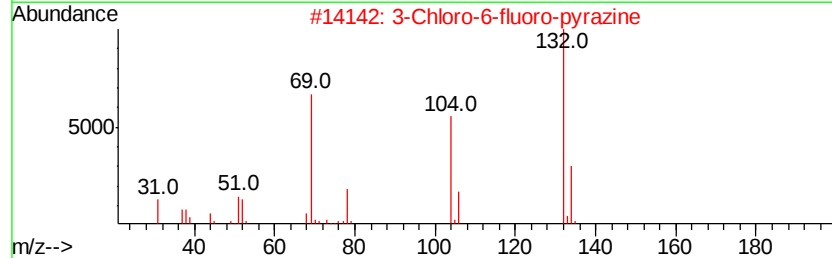
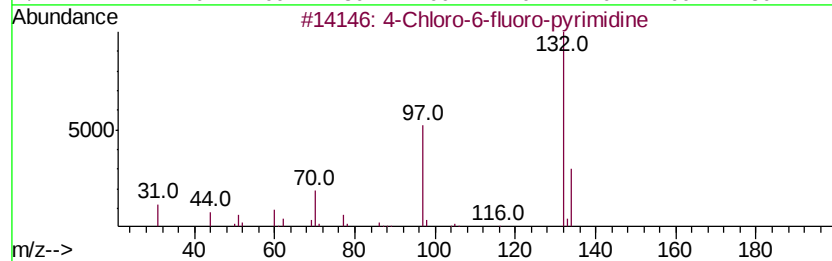
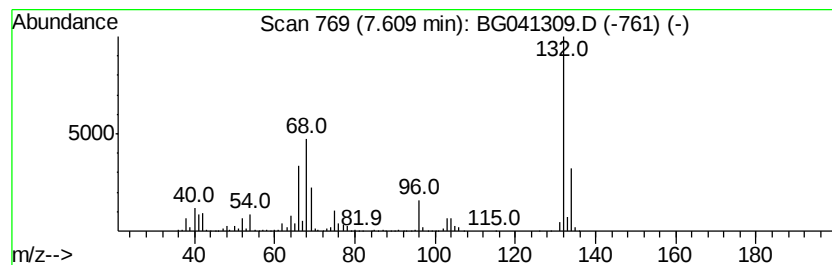
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.61 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.61 | 121.56 ng | 1332590 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|---------|---|------------------------------|-----|-----------|--------------|------|
| 1       |   | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2       |   | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3       |   | Tranvlcypromine-propionyl    | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 4       |   | 5-Fluoro-2-chloropyrimidine  | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5       |   | Amphetaminil                 | 250 | C17H18N2  | 017590-01-1  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

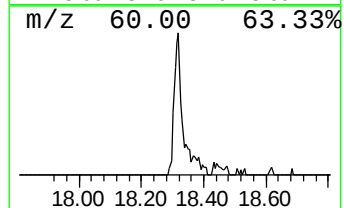
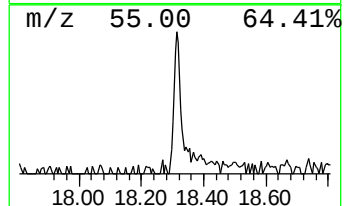
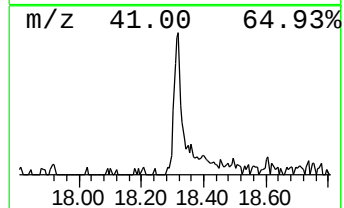
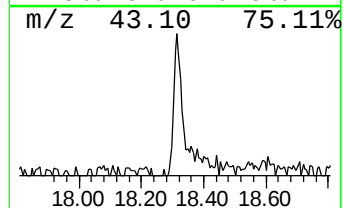
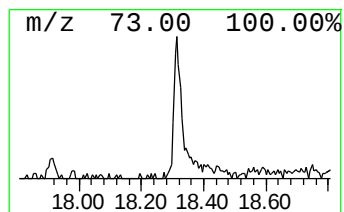
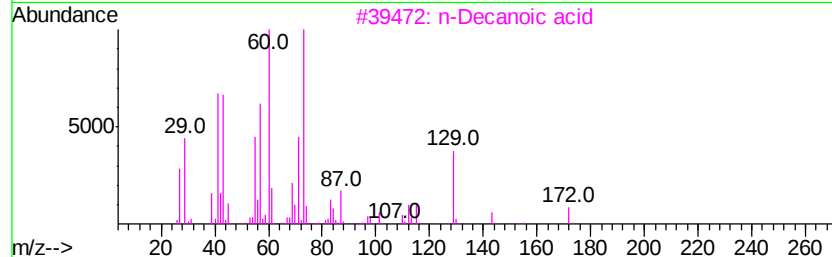
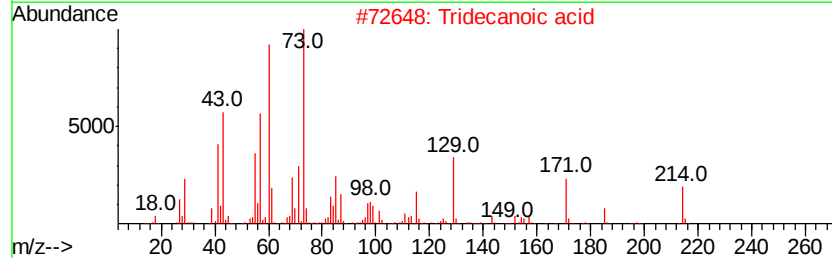
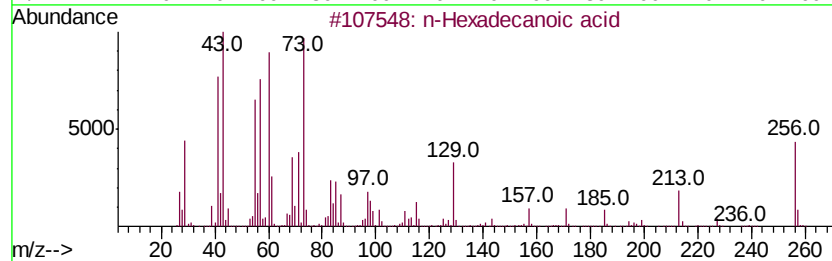
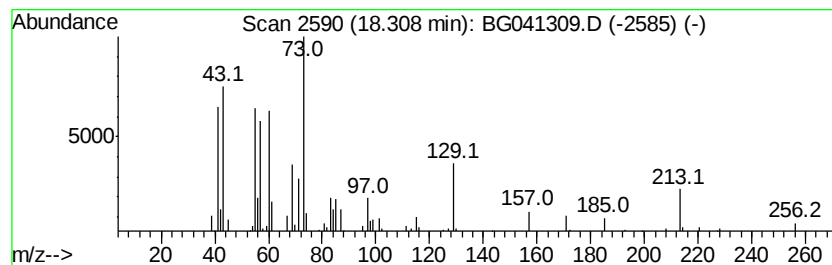
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.31 | 3.54 ng | 105111 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|-----------|-------------------------------------|-----|----------|--------------|------|
| 1         | n-Hexadecanoic acid                 | 256 | C16H32O2 | 000057-10-3  | 93   |
| 2         | Tridecanoic acid                    | 214 | C13H26O2 | 000638-53-9  | 64   |
| 3         | n-Decanoic acid                     | 172 | C10H20O2 | 000334-48-5  | 45   |
| 4         | Dodecanoic acid                     | 200 | C12H24O2 | 000143-07-7  | 35   |
| 5         | 3,7-Dimethyl-8-oxo-1,5-dioxa-spi... | 256 | C13H20O5 | 1000193-79-8 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

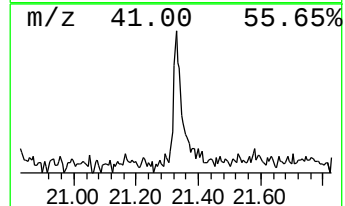
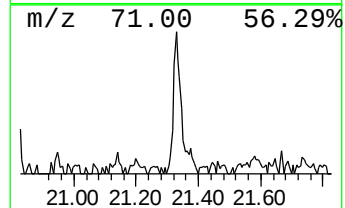
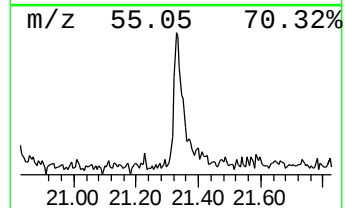
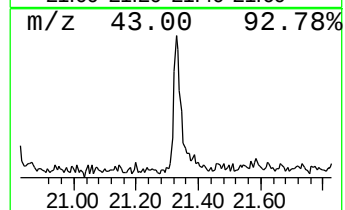
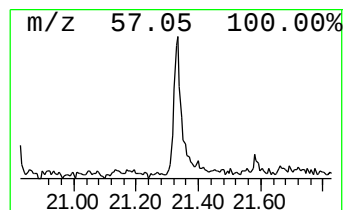
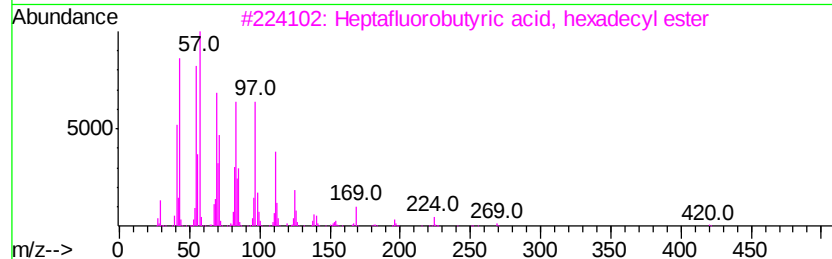
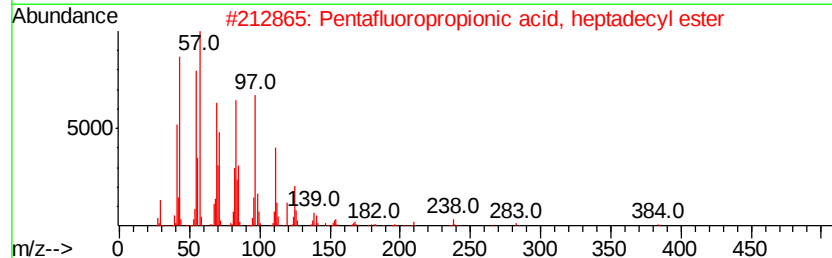
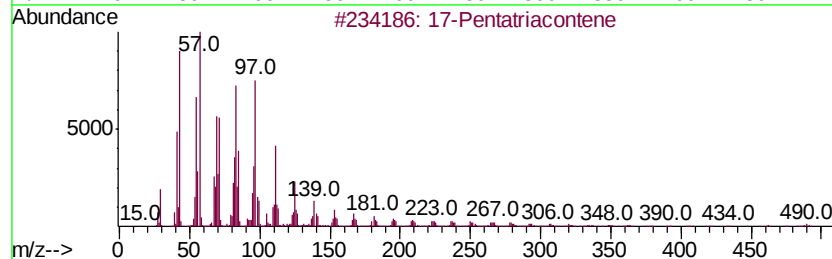
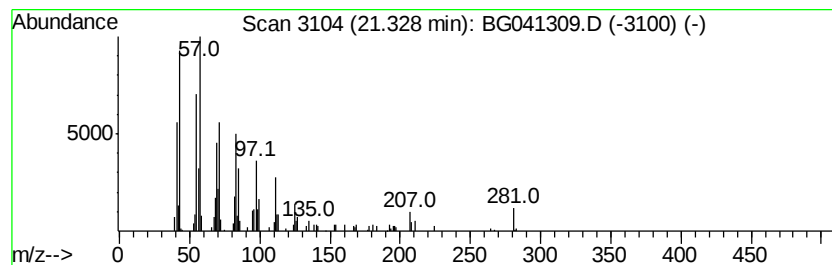
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 17-Pentatriacontene Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.33 | 3.42 ng | 119839 | Chrysene-d12     | 21.73 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0 | 62   |
| 2       |   | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 58   |
| 3       |   | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 58   |
| 4       |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6 | 58   |
| 5       |   | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 959261-25-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

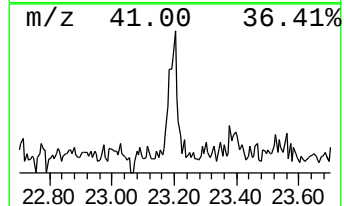
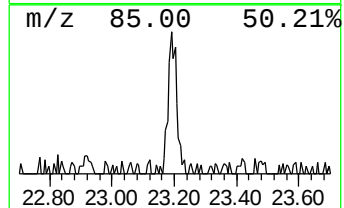
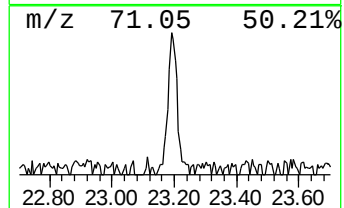
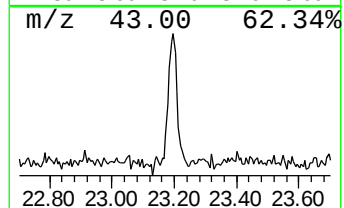
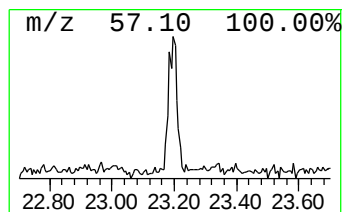
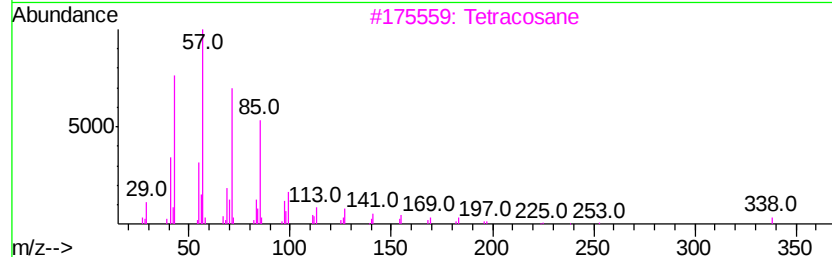
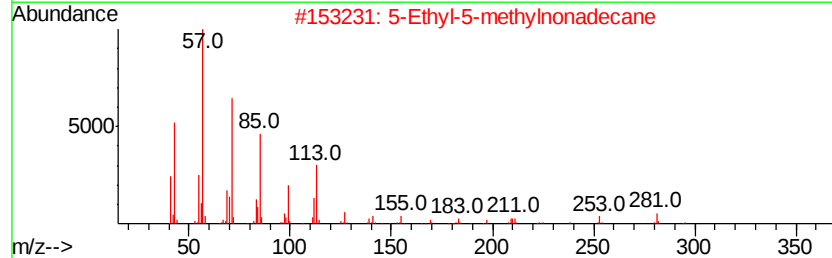
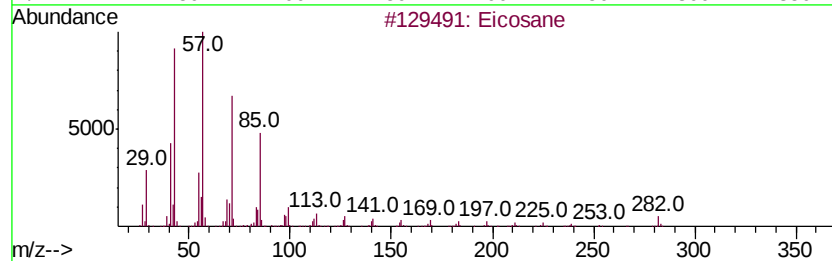
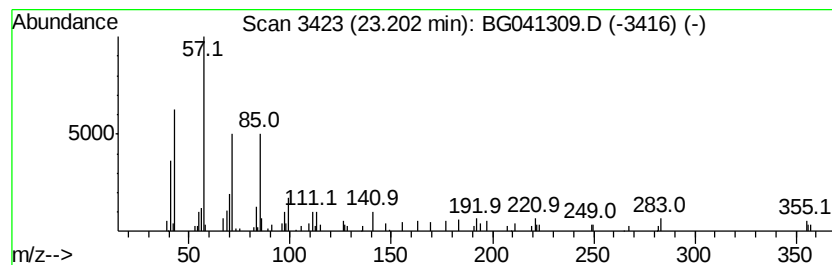
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Eicosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 23.20 | 2.17 ng | 75958 | Chrysene-d12     | 21.73 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#         | Qual |
|------|----|----------------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane                   | 282 | C20H42  | 000112-95-8  | 86   |
| 2    |    | 5-Ethyl-5-methylnonadecane | 310 | C22H46  | 1000360-42-7 | 64   |
| 3    |    | Tetracosane                | 338 | C24H50  | 000646-31-1  | 52   |
| 4    |    | Octadecane, 1-iodo-        | 380 | C18H37I | 000629-93-6  | 52   |
| 5    |    | Tridecane, 1-iodo-         | 310 | C13H27I | 035599-77-0  | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

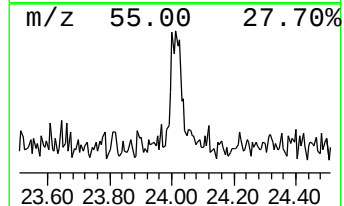
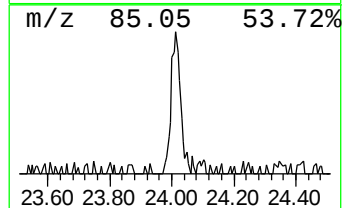
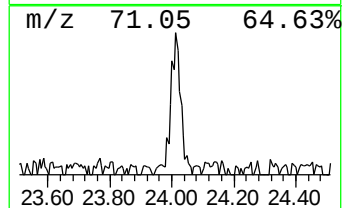
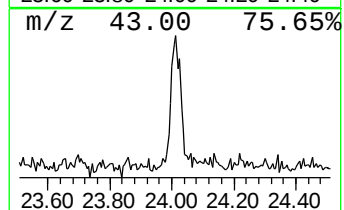
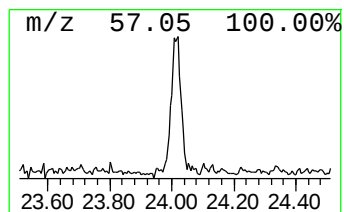
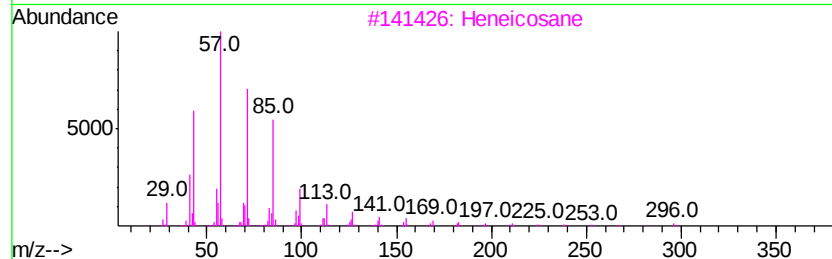
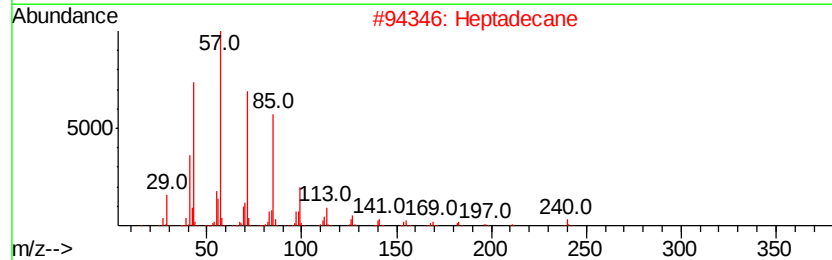
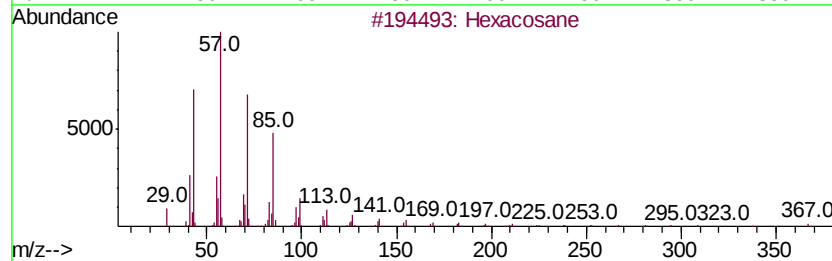
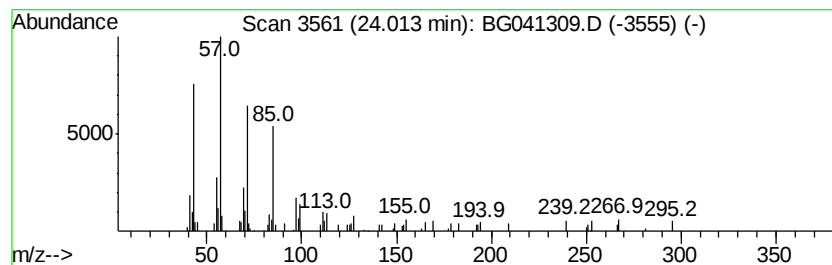
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexacosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 24.01 | 2.37 ng | 74266 | Perylene-d12     | 25.04 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane   | 366 | C26H54  | 000630-01-3 | 83   |
| 2    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 74   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 74   |
| 4    |    | Nonadecane   | 268 | C19H40  | 000629-92-5 | 72   |
| 5    |    | Octadecane   | 254 | C18H38  | 000593-45-3 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG061819\  
Data File : BG041309.D  
Acq On : 18 Jun 2019 22:32  
Operator : HP/JU  
Sample : K3419-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061719.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... | 3.15  | 33.0    | ng    | 362248   | 1                     | 8.08  | 219256 | 20.0 |
| Arsenous acid, tr... | 4.62  | 3.3     | ng    | 36545    | 1                     | 8.08  | 219256 | 20.0 |
| unknown7.61          | 7.61  | 121.6   | ng    | 1332590  | 1                     | 8.08  | 219256 | 20.0 |
| n-Hexadecanoic acid  | 18.31 | 3.5     | ng    | 105111   | 4                     | 17.46 | 593055 | 20.0 |
| 17-Pentatriacontene  | 21.33 | 3.4     | ng    | 119839   | 5                     | 21.73 | 701102 | 20.0 |
| Eicosane             | 23.20 | 2.2     | ng    | 75958    | 5                     | 21.73 | 701102 | 20.0 |
| Hexacosane           | 24.01 | 2.4     | ng    | 74266    | 6                     | 25.04 | 626478 | 20.0 |