

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
 Data File : BG040840.D  
 Acq On : 10 May 2019 7:46  
 Operator : HP/JU  
 Sample : K2764-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P021-SS008-1824-01

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-BG042319.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         | 3.154       | 6             | 11          | 20           | rBV      | 261716         | 455889        | 10.56%          | 1.786%        |
| 2         | 3.230       | 20            | 24          | 32           | rVB      | 247986         | 325104        | 7.53%           | 1.273%        |
| 3         | 5.674       | 432           | 440         | 453          | rBV      | 1087509        | 1771716       | 41.03%          | 6.940%        |
| 4         | 7.278       | 705           | 713         | 726          | rBV      | 1192497        | 2108914       | 48.84%          | 8.261%        |
| 5         | 7.666       | 770           | 779         | 794          | rBV      | 1151269        | 1926366       | 44.61%          | 7.546%        |
| 6         | 8.142       | 854           | 860         | 870          | rVB      | 204384         | 342902        | 7.94%           | 1.343%        |
| 7         | 8.465       | 907           | 915         | 923          | rBV      | 794046         | 1345642       | 31.16%          | 5.271%        |
| 8         | 9.317       | 1050          | 1060        | 1068         | rBV      | 733752         | 1308474       | 30.30%          | 5.125%        |
| 9         | 10.962      | 1333          | 1340        | 1347         | rVB      | 255824         | 468333        | 10.84%          | 1.834%        |
| 10        | 13.395      | 1746          | 1754        | 1763         | rBV      | 1843415        | 2804786       | 64.95%          | 10.986%       |
| 11        | 14.211      | 1886          | 1893        | 1898         | rBV      | 258118         | 382014        | 8.85%           | 1.496%        |
| 12        | 14.770      | 1980          | 1988        | 1997         | rBV2     | 465377         | 760016        | 17.60%          | 2.977%        |
| 13        | 16.256      | 2234          | 2241        | 2254         | rBV      | 1807075        | 2797440       | 64.78%          | 10.958%       |
| 14        | 17.514      | 2448          | 2455        | 2467         | rBV2     | 694692         | 1050001       | 24.31%          | 4.113%        |
| 15        | 18.365      | 2594          | 2600        | 2611         | rBV2     | 161209         | 259077        | 6.00%           | 1.015%        |
| 16        | 19.629      | 2810          | 2815        | 2822         | rBV2     | 56374          | 93950         | 2.18%           | 0.368%        |
| 17        | 20.105      | 2890          | 2896        | 2906         | rBV      | 3199391        | 4318431       | 100.00%         | 16.915%       |
| 18        | 21.397      | 3111          | 3116        | 3133         | rBV4     | 66678          | 181627        | 4.21%           | 0.711%        |
| 19        | 21.797      | 3177          | 3184        | 3193         | rBV2     | 630624         | 1100425       | 25.48%          | 4.310%        |
| 20        | 21.950      | 3206          | 3210        | 3214         | rVB      | 38187          | 51770         | 1.20%           | 0.203%        |
| 21        | 22.578      | 3311          | 3317        | 3323         | rBV3     | 53430          | 89889         | 2.08%           | 0.352%        |
| 22        | 23.289      | 3432          | 3438        | 3450         | rVB3     | 64053          | 131712        | 3.05%           | 0.516%        |
| 23        | 23.495      | 3467          | 3473        | 3479         | rVB2     | 62649          | 114315        | 2.65%           | 0.448%        |
| 24        | 24.129      | 3574          | 3581        | 3589         | rVB2     | 63535          | 135829        | 3.15%           | 0.532%        |
| 25        | 25.152      | 3740          | 3755        | 3768         | rBV2     | 297394         | 1105098       | 25.59%          | 4.329%        |
| 26        | 26.291      | 3941          | 3949        | 3956         | rBV5     | 33283          | 99897         | 2.31%           | 0.391%        |

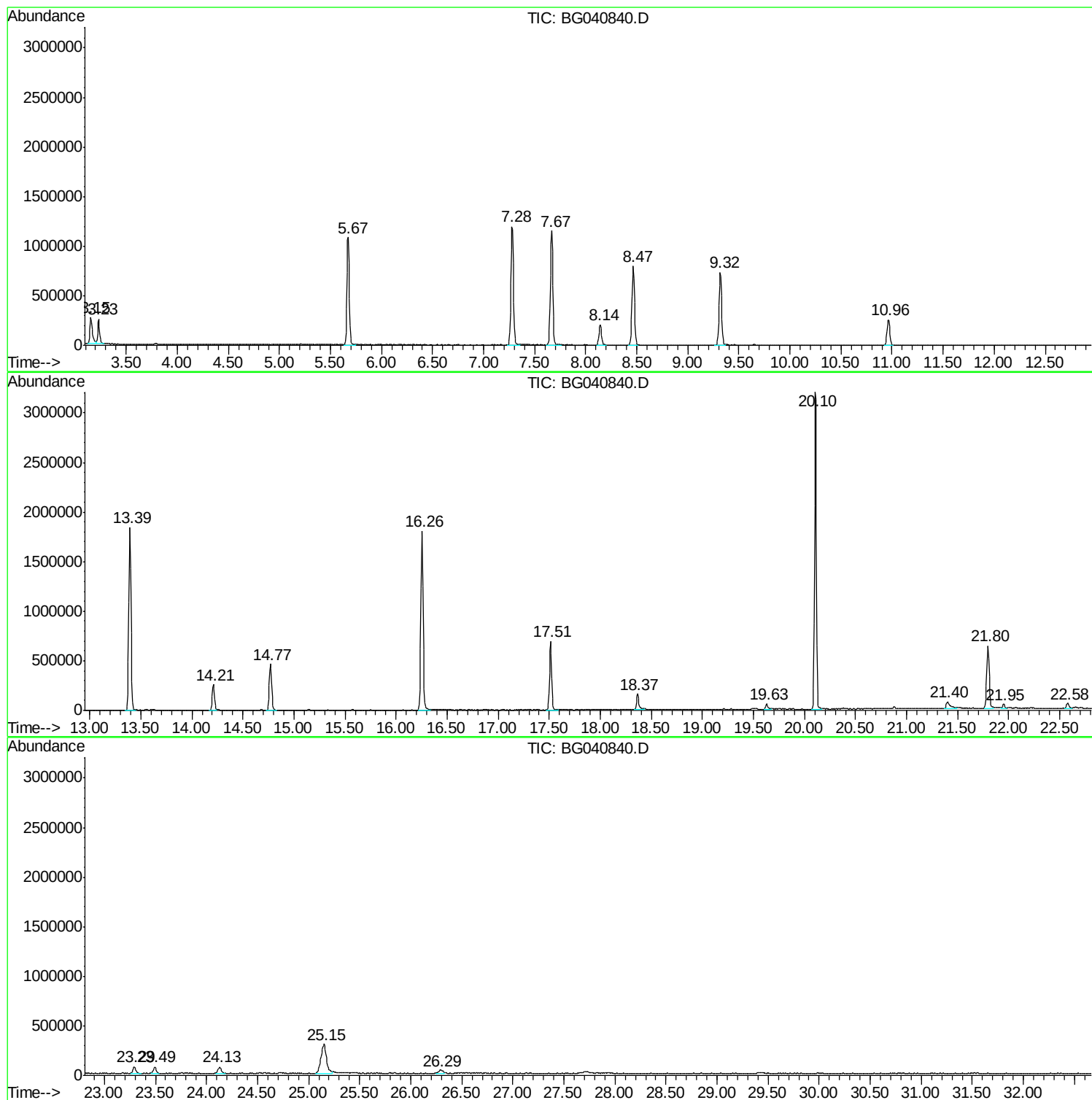
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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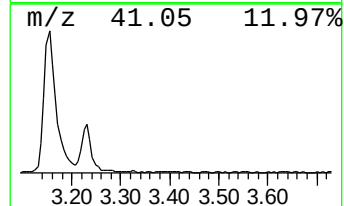
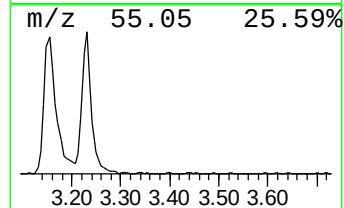
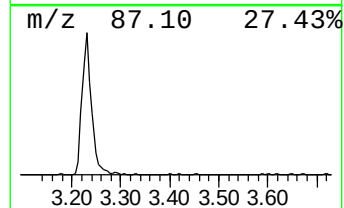
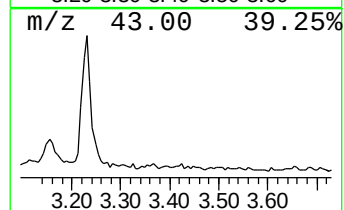
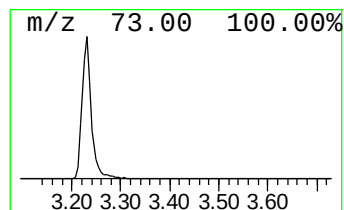
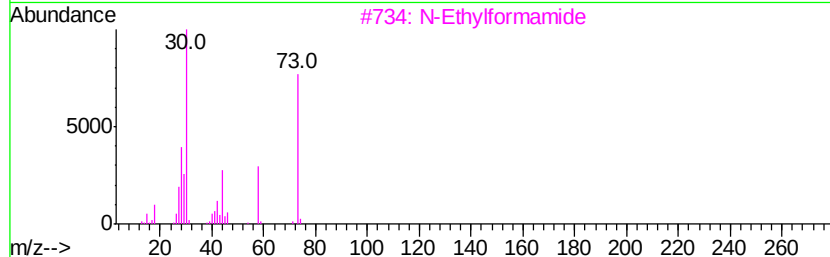
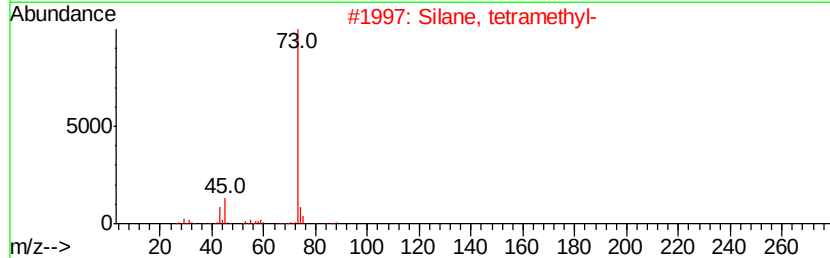
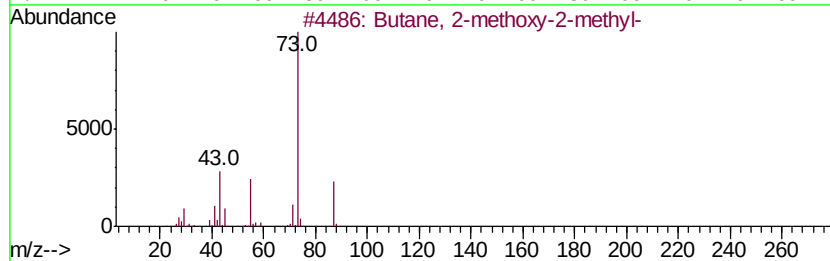
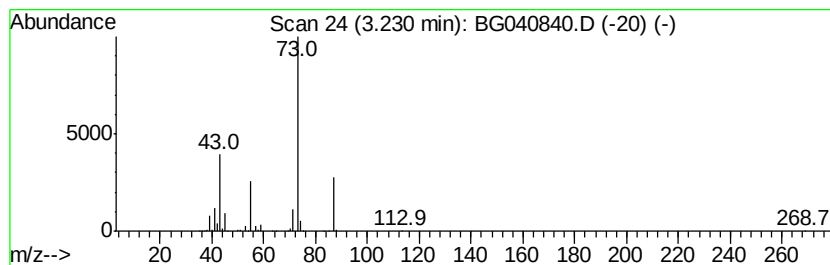
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.23 | 18.96 ng | 325104 | 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 | 78   |
| 2    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |
| 3    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
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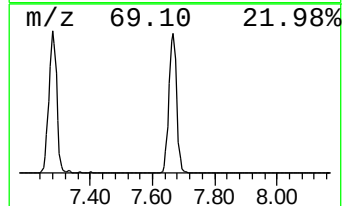
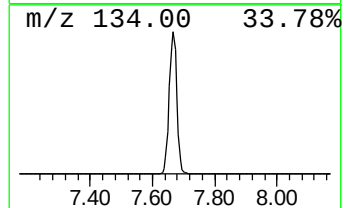
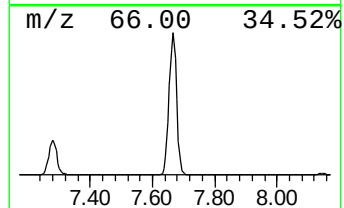
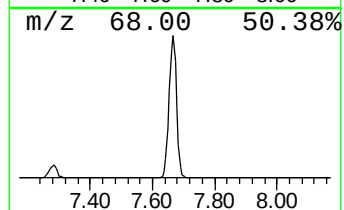
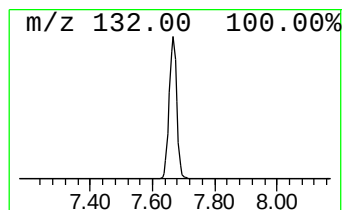
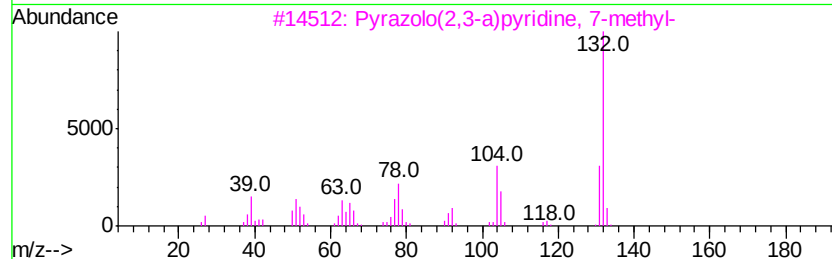
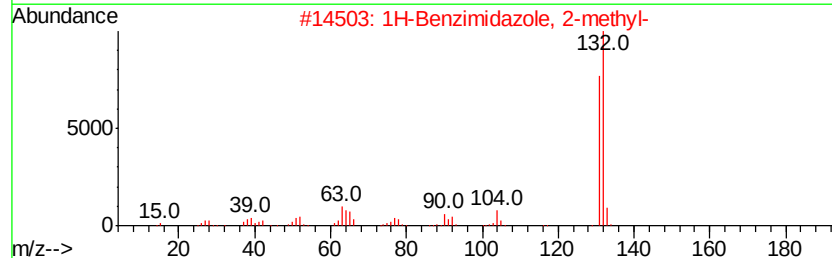
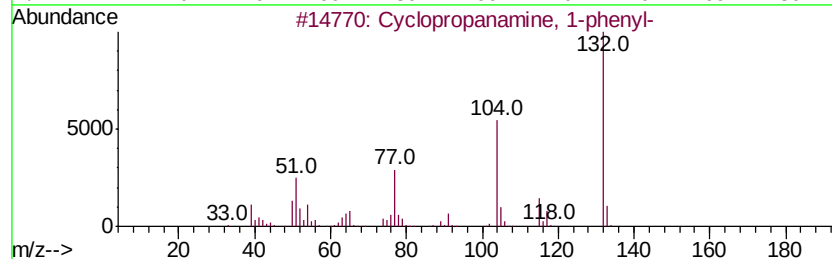
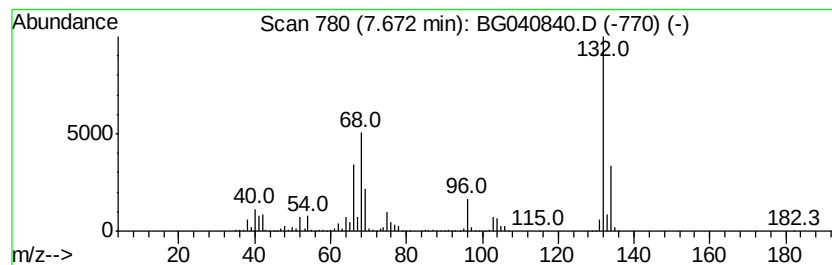
TIC Library : C:\Database\NIST11.L  
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Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.67 | 112.36 ng | 1926370 | 1,4-Dichlorobenzene-d4 | 8.14 |

| Hit# | of | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclopropanamine, 1-phenyl-        | 133 | C9H11N    | 1000351-26-2 | 22   |
| 2    |    | 1H-Benzimidazole, 2-methyl-        | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2    | 034760-58-2  | 12   |
| 4    |    | 5-Fluoro-2-chloropyrimidine        | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | Amphetaminil                       | 250 | C17H18N2  | 017590-01-1  | 10   |



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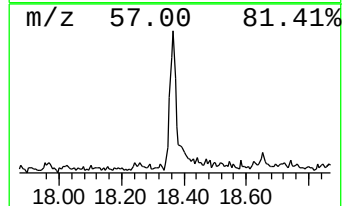
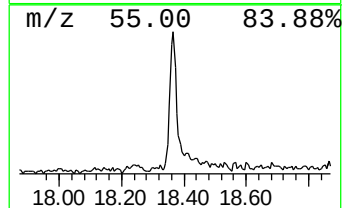
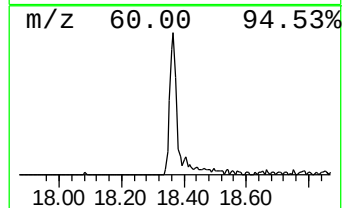
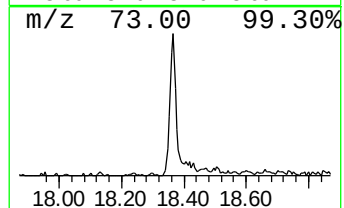
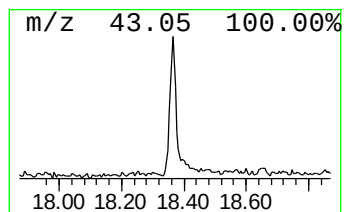
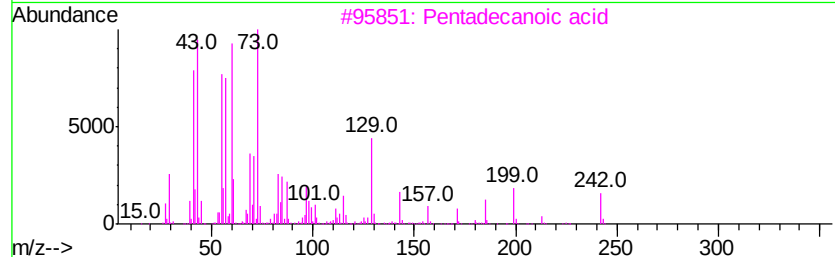
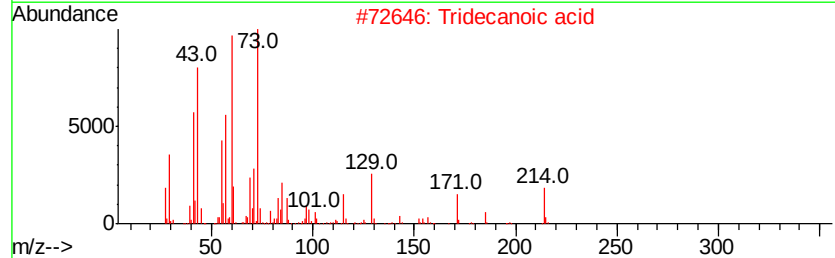
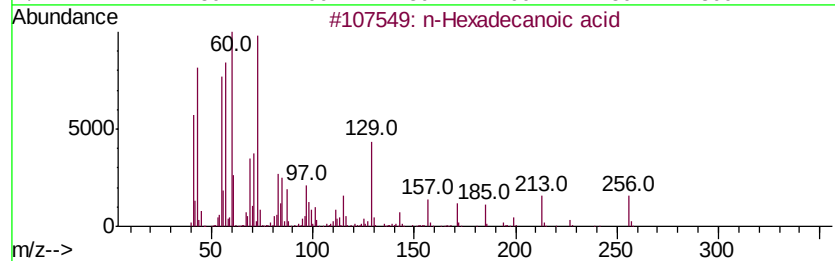
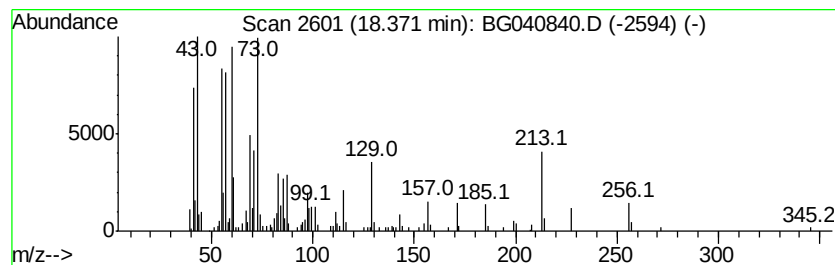
TIC Library : C:\Database\NIST11.L  
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.37 | 4.93 ng | 259077 | Phenanthrene-d10 | 17.51 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 68   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 59   |
| 5       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 59   |



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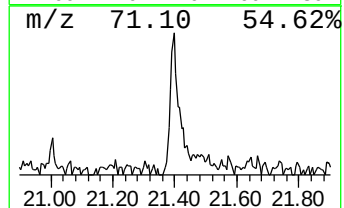
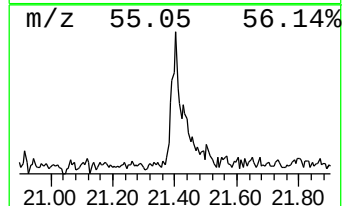
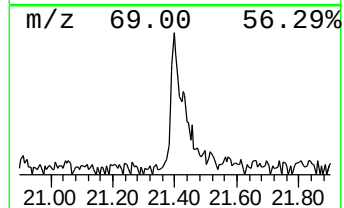
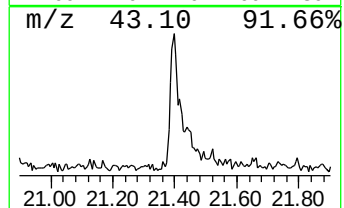
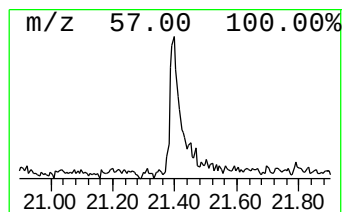
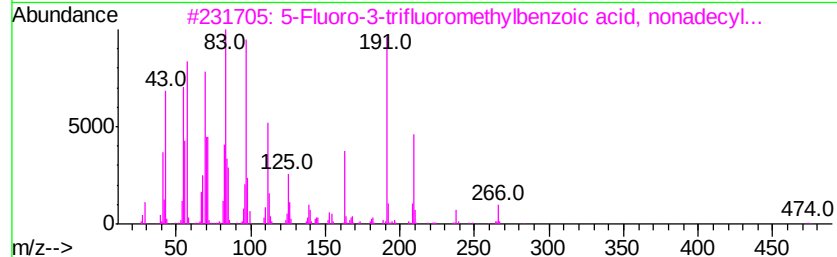
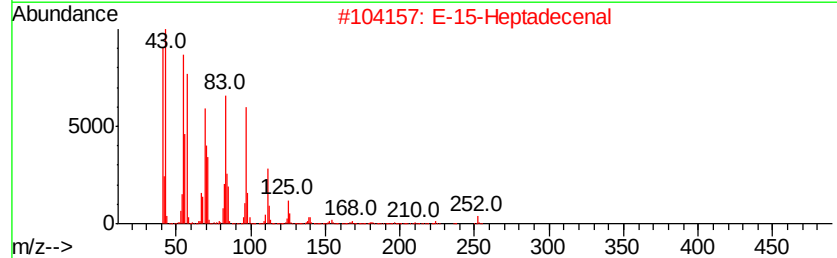
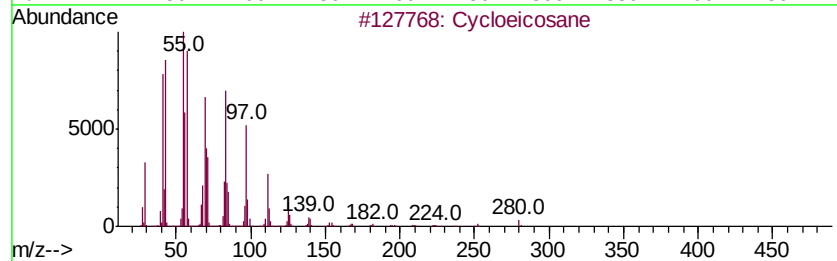
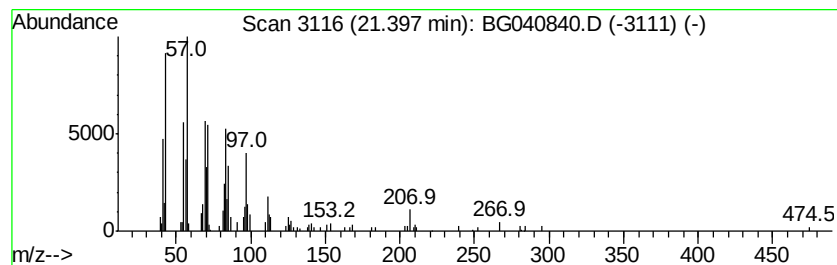
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Peak Number 6 Cycloeicosane Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.            |
|---------|---------|-------------------------------------|------------------|-----------------|
| 21.40   | 3.30 ng | 181627                              | Chrysene-d12     | 21.80           |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |         | Cycloeicosane                       | 280 C20H40       | 000296-56-0 96  |
| 2       |         | E-15-Heptadecenal                   | 252 C17H32O      | 1000130-97-9 96 |
| 3       |         | 5-Fluoro-3-trifluoromethylbenzoi... | 474 C27H42F4O2   | 1000338-91-1 94 |
| 4       |         | 3-Octadecene, (E)-                  | 252 C18H36       | 007206-19-1 93  |
| 5       |         | Heneicosyl pentafluoropropionate    | 458 C24H43F5O2   | 1000351-81-1 87 |



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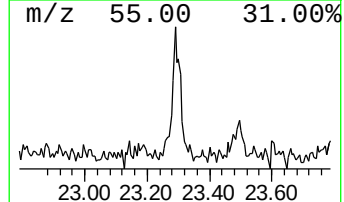
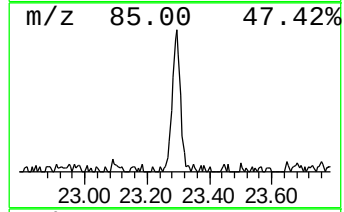
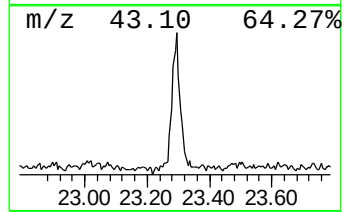
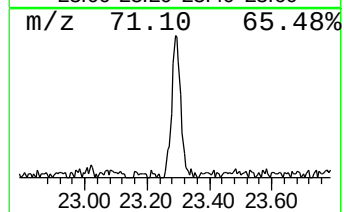
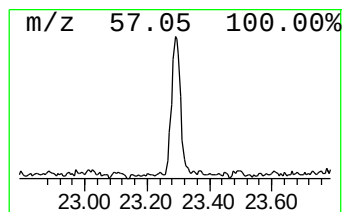
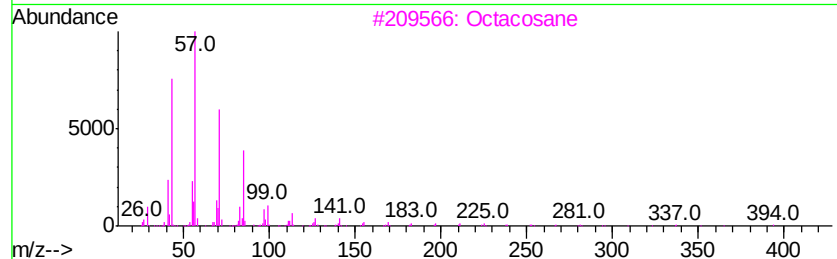
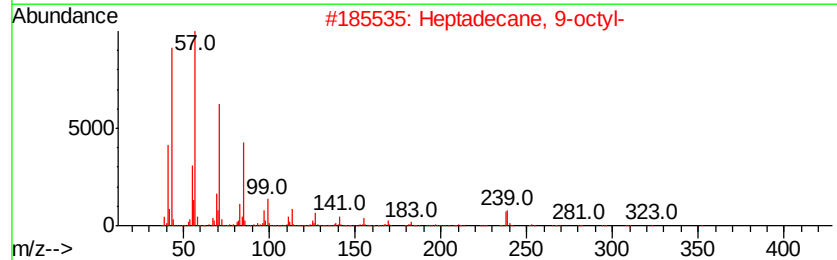
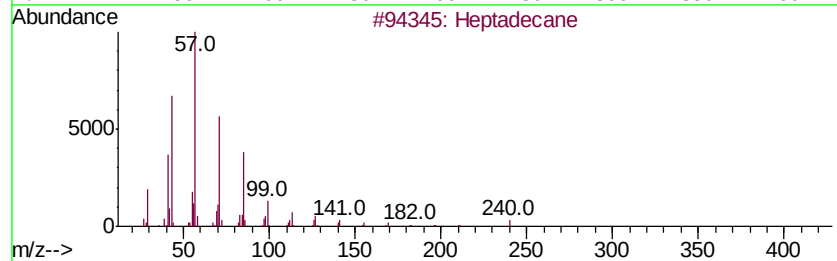
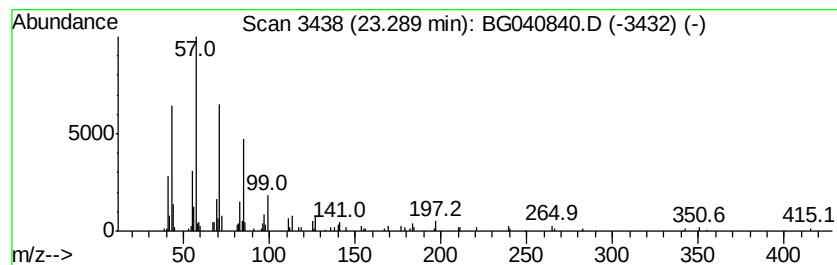
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Heptadecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.29 | 2.39 ng | 131712 | Chrysene-d12     | 21.80 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane           |              | 240 | C17H36  | 000629-78-7 | 90   |
| 2       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1 | 87   |
| 3       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 83   |
| 4       | Dodecane, 2-methyl-   |              | 184 | C13H28  | 001560-97-0 | 83   |
| 5       | Tetratetracontane     |              | 619 | C44H90  | 007098-22-8 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040840.D  
Acq On : 10 May 2019 7:46  
Operator : HP/JU  
Sample : K2764-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS008-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

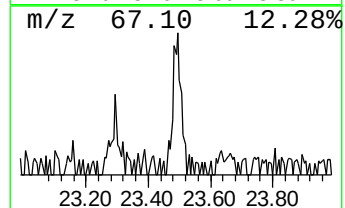
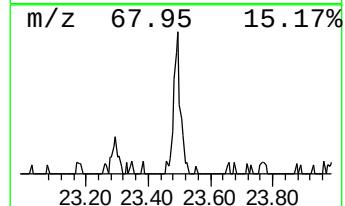
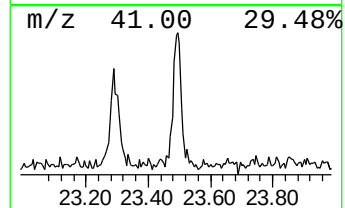
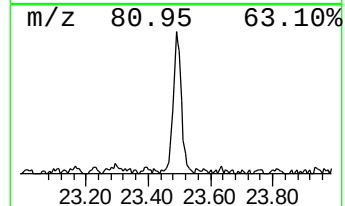
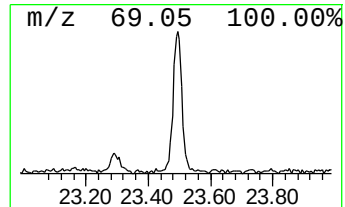
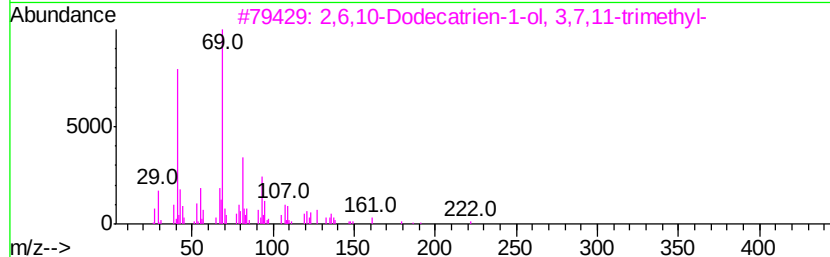
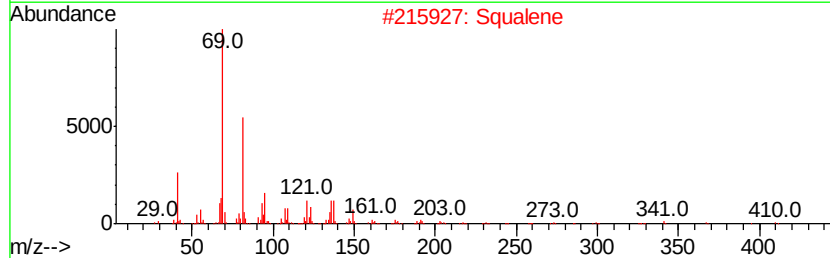
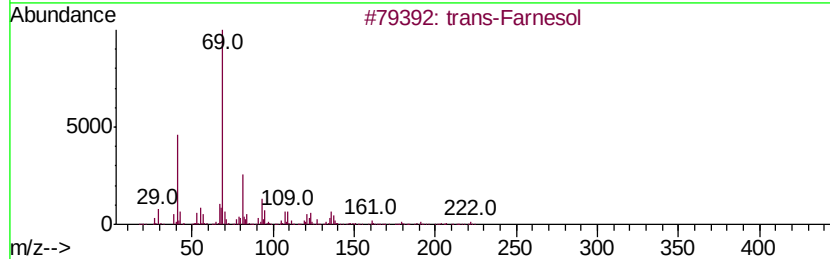
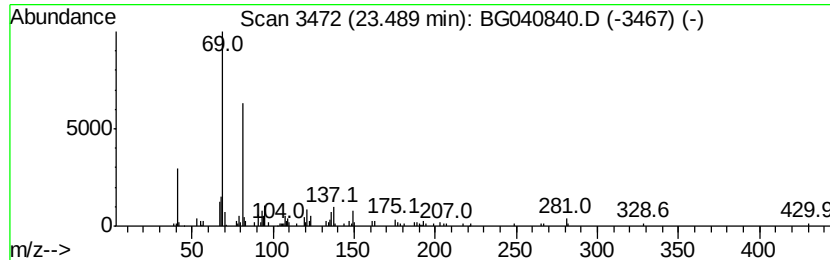
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 trans-Farnesol Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.49 | 2.07 ng | 114315 | Perylene-d12     | 25.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | trans-Farnesol                      | 222 | C15H26O | 000106-28-5  | 87   |
| 2    |    | Squalene                            | 410 | C30H50  | 000111-02-4  | 86   |
| 3    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0  | 86   |
| 4    |    | Supraene                            | 410 | C30H50  | 007683-64-9  | 80   |
| 5    |    | Farnesol isomer a                   | 222 | C15H26O | 1000108-92-4 | 74   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\  
Data File : BG040840.D  
Acq On : 10 May 2019 7:46  
Operator : HP/JU  
Sample : K2764-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS008-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

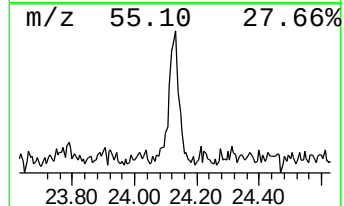
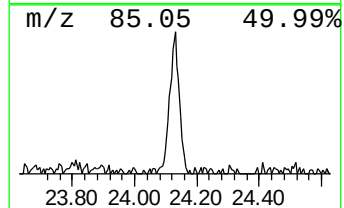
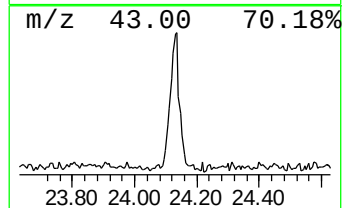
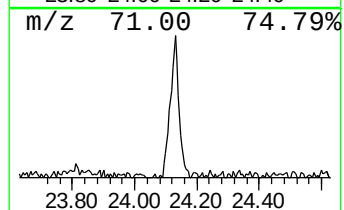
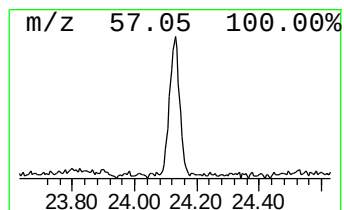
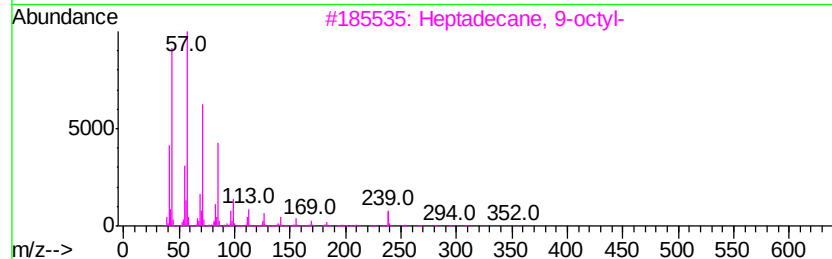
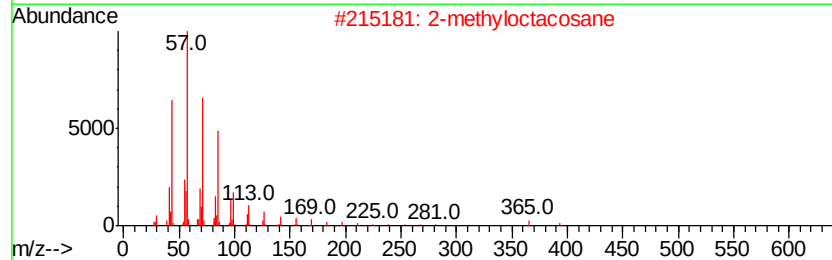
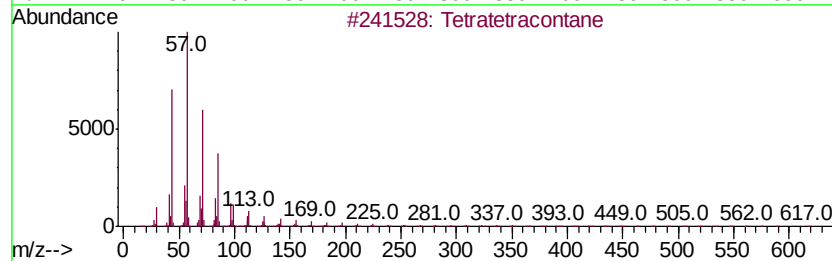
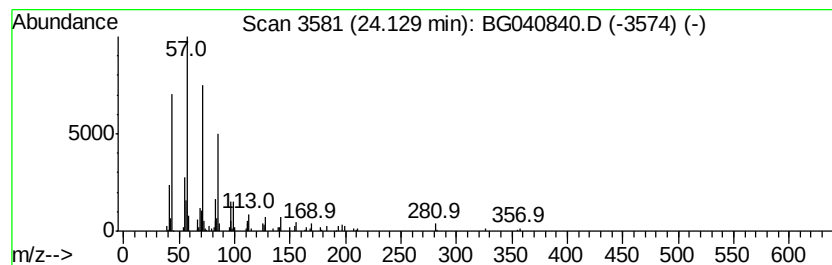
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Tetratetracontane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.13 | 2.46 ng | 135829 | Perylene-d12     | 25.15 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Tetratetracontane     | 619 | C44H90  | 007098-22-8  | 91   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 4    |    | Heptacosane           | 380 | C27H56  | 000593-49-7  | 90   |
| 5    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG050919\  
Data File : BG040840.D  
Acq On : 10 May 2019 7:46  
Operator : HP/JU  
Sample : K2764-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P021-SS008-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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... | 3.23  | 19.0    | ng    | 325104   | 1                     | 8.14  | 342902  | 20.0 |
| unknown7.67          | 7.67  | 112.4   | ng    | 1926370  | 1                     | 8.14  | 342902  | 20.0 |
| n-Hexadecanoic acid  | 18.37 | 4.9     | ng    | 259077   | 4                     | 17.51 | 1050000 | 20.0 |
| Cycloeicosane        | 21.40 | 3.3     | ng    | 181627   | 5                     | 21.80 | 1100430 | 20.0 |
| Heptadecane          | 23.29 | 2.4     | ng    | 131712   | 5                     | 21.80 | 1100430 | 20.0 |
| trans-Farnesol       | 23.49 | 2.1     | ng    | 114315   | 6                     | 25.15 | 1105100 | 20.0 |
| Tetratetracontane    | 24.13 | 2.5     | ng    | 135829   | 6                     | 25.15 | 1105100 | 20.0 |