

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG052815\  
 Data File : BG017336.D  
 Acq On : 28 May 2015 21:32  
 Operator : TP/IZ  
 Sample : G2386-19  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10-D6.5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.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         | 4.764       | 346           | 353         | 361          | rBV      | 316257         | 434420        | 31.40%          | 5.772%        |
| 2         | 5.251       | 428           | 436         | 443          | rBV      | 188780         | 269222        | 19.46%          | 3.577%        |
| 3         | 6.855       | 703           | 709         | 720          | rBV      | 398753         | 608654        | 43.99%          | 8.087%        |
| 4         | 7.196       | 761           | 767         | 775          | rBV      | 315010         | 467617        | 33.80%          | 6.213%        |
| 5         | 7.654       | 839           | 845         | 851          | rBV      | 112321         | 170697        | 12.34%          | 2.268%        |
| 6         | 7.972       | 893           | 899         | 910          | rBV      | 281387         | 443716        | 32.07%          | 5.896%        |
| 7         | 8.818       | 1035          | 1043        | 1054         | rBV      | 255356         | 419372        | 30.31%          | 5.572%        |
| 8         | 10.445      | 1313          | 1320        | 1329         | rBV      | 139922         | 233141        | 16.85%          | 3.098%        |
| 9         | 12.931      | 1737          | 1743        | 1752         | rBV      | 567125         | 800984        | 57.89%          | 10.643%       |
| 10        | 13.777      | 1881          | 1887        | 1893         | rBV      | 17526          | 27176         | 1.96%           | 0.361%        |
| 11        | 14.311      | 1970          | 1978        | 1988         | rBV2     | 207578         | 312297        | 22.57%          | 4.149%        |
| 12        | 15.810      | 2224          | 2233        | 2243         | rBV      | 238620         | 340543        | 24.61%          | 4.525%        |
| 13        | 17.061      | 2439          | 2446        | 2452         | rBV      | 309944         | 411839        | 29.76%          | 5.472%        |
| 14        | 17.966      | 2594          | 2600        | 2608         | rBV3     | 22056          | 32995         | 2.38%           | 0.438%        |
| 15        | 19.693      | 2889          | 2894        | 2901         | rBV      | 1100709        | 1383653       | 100.00%         | 18.384%       |
| 16        | 20.962      | 3104          | 3110        | 3116         | rBV2     | 70237          | 97765         | 7.07%           | 1.299%        |
| 17        | 21.168      | 3139          | 3145        | 3148         | rBV2     | 16145          | 20383         | 1.47%           | 0.271%        |
| 18        | 21.250      | 3154          | 3159        | 3167         | rVB      | 424356         | 516981        | 37.36%          | 6.869%        |
| 19        | 22.420      | 3354          | 3358        | 3364         | rVB      | 27184          | 41765         | 3.02%           | 0.555%        |
| 20        | 23.489      | 3533          | 3540        | 3547         | rBV2     | 279798         | 493025        | 35.63%          | 6.551%        |

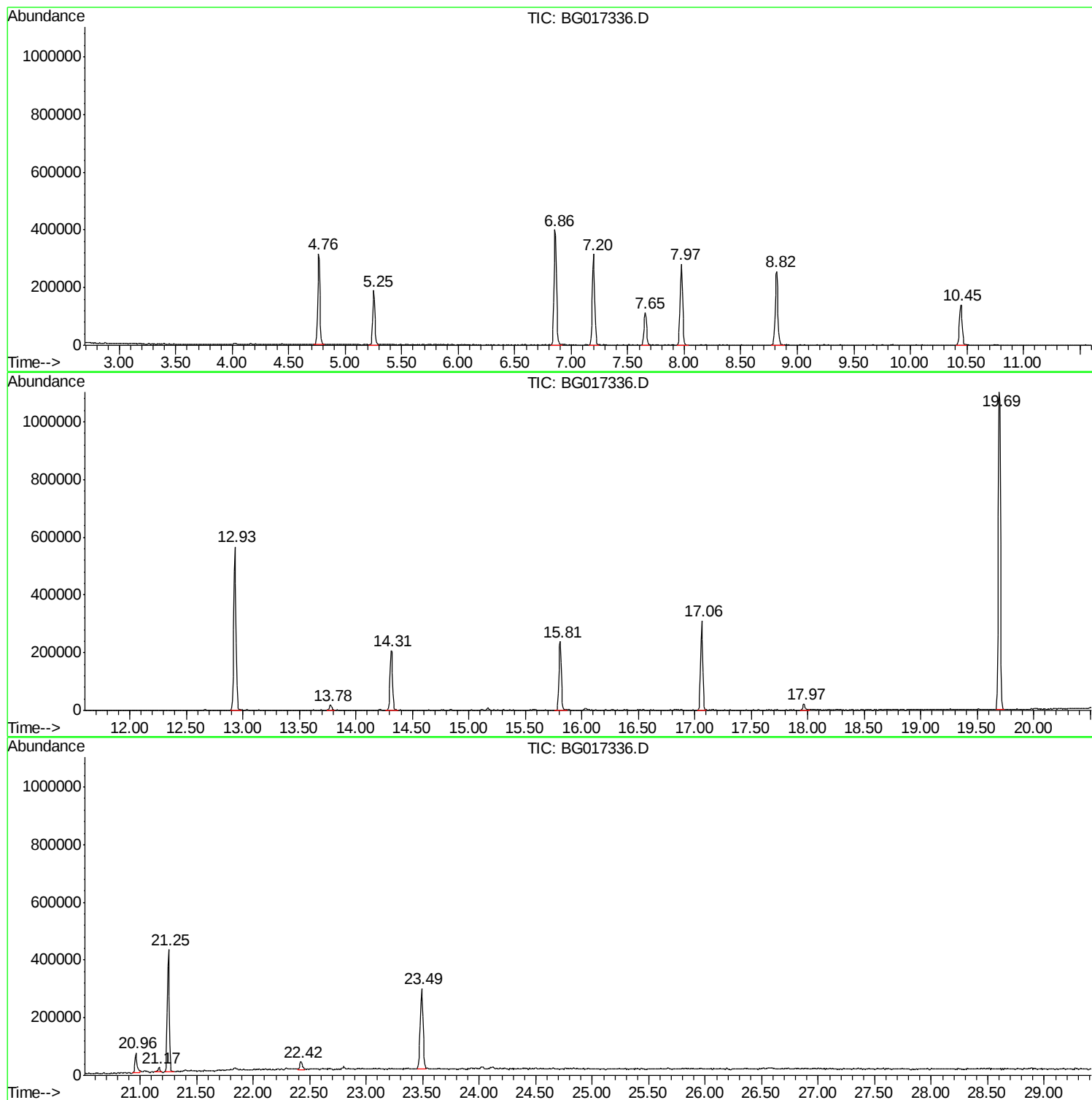
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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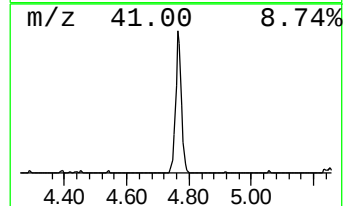
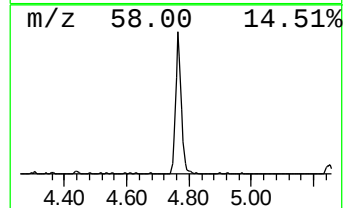
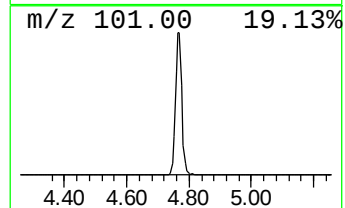
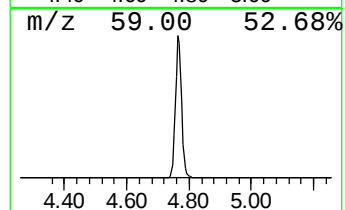
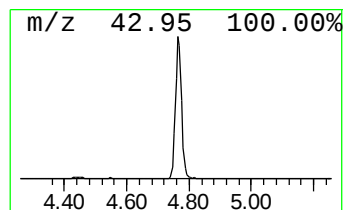
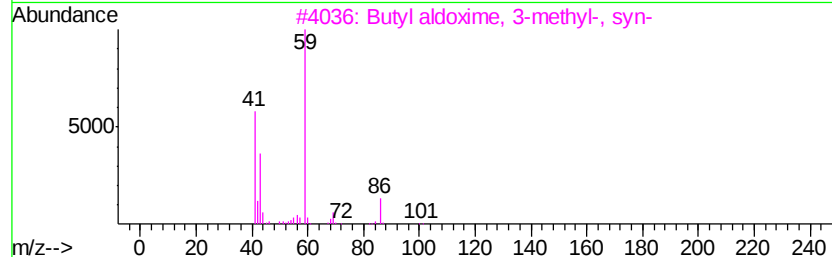
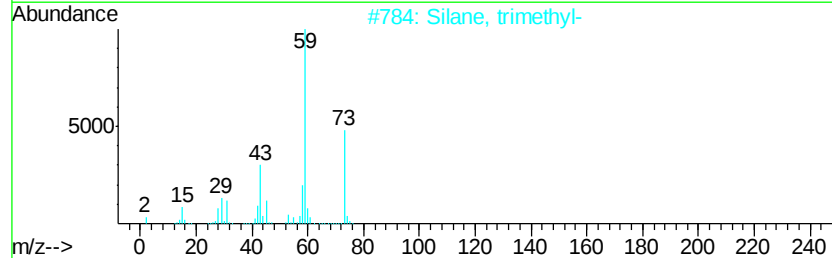
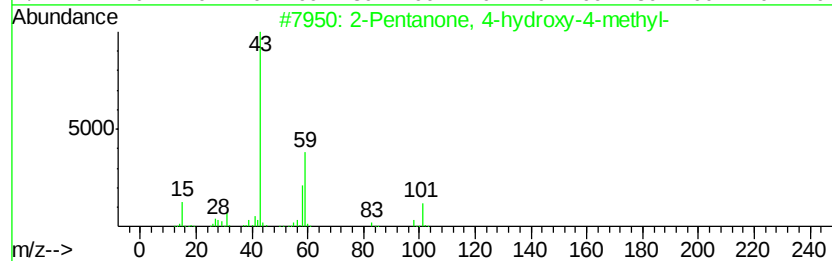
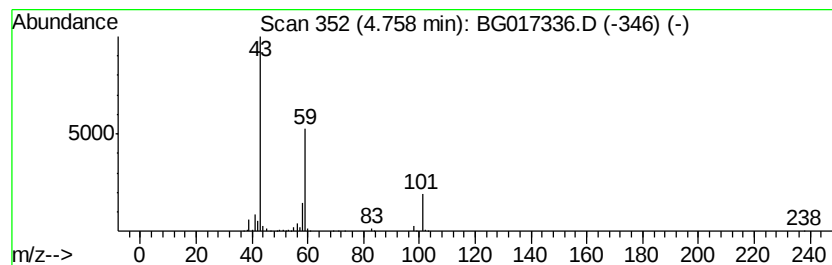
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.76 | 50.90 ng | 434420 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53   |
| 2    |    |   | Silane, trimethyl-               | 74  | C3H10Si | 000993-07-7 | 25   |
| 3    |    |   | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO | 005780-40-5 | 23   |
| 4    |    |   | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 10   |
| 5    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |



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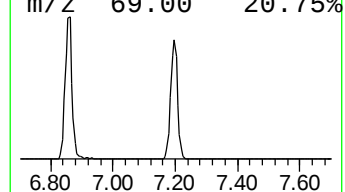
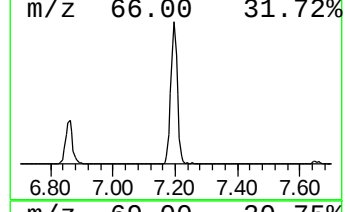
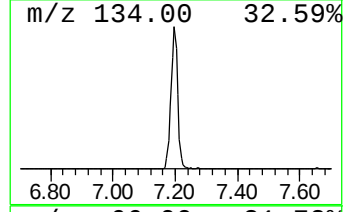
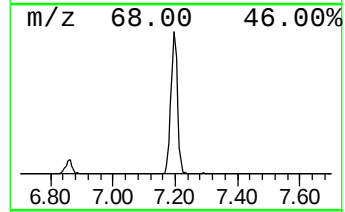
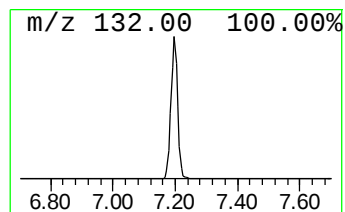
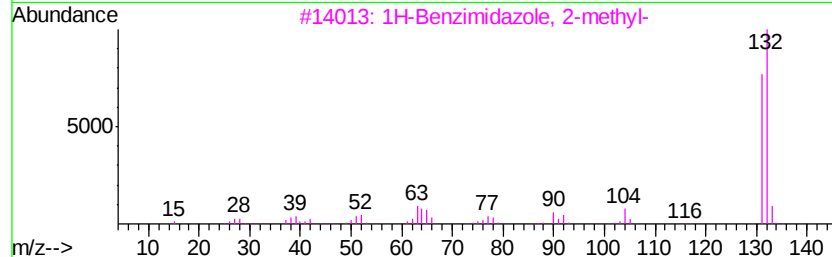
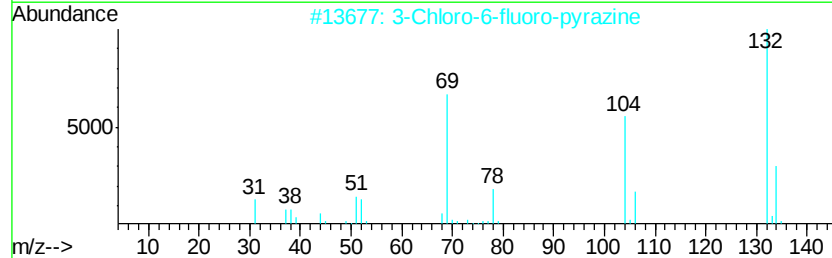
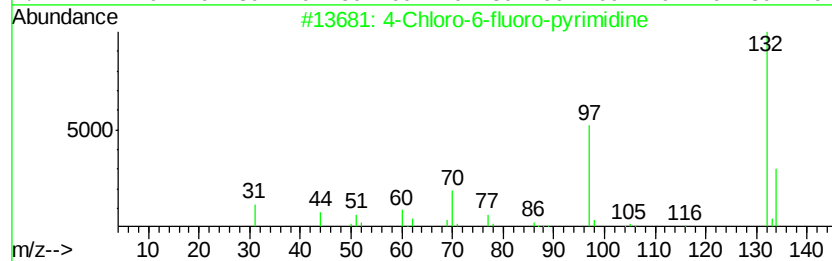
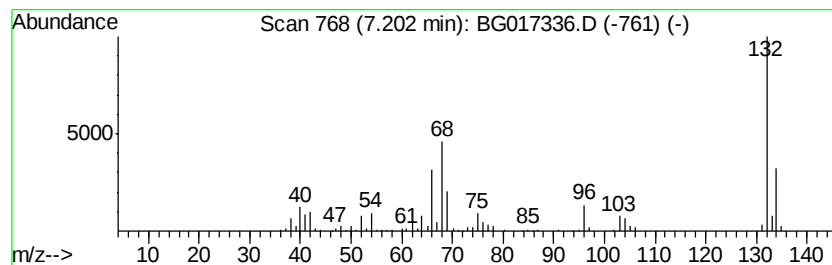
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Peak Number 2 unknown7.20 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.20 | 54.79 ng | 467617 | 1,4-Dichlorobenzene-d4 | 7.65 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 22   |
| 5    |    | 1H-Tetrazaborole, 5-chloro-4,5-d... | 132 | C2H6BClN4 | 021960-49-6  | 12   |



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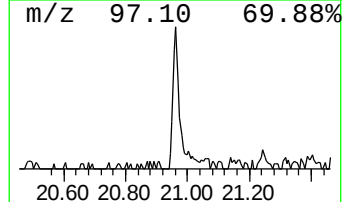
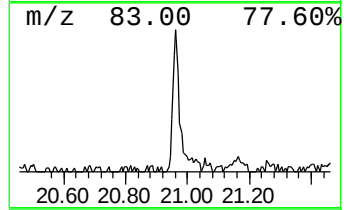
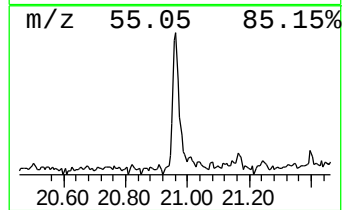
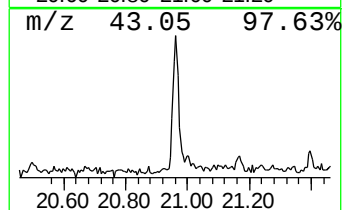
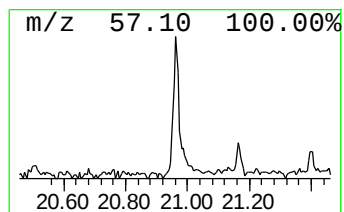
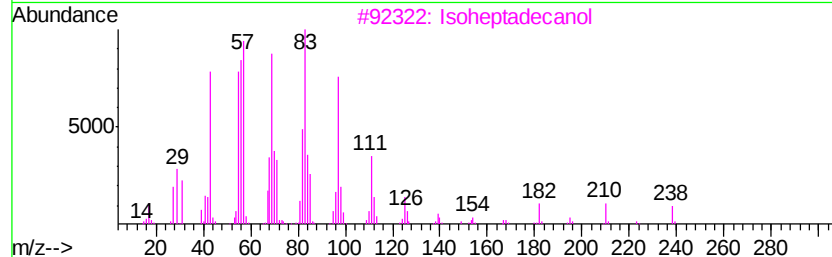
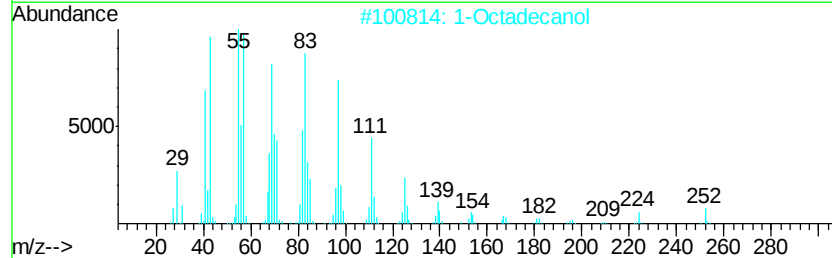
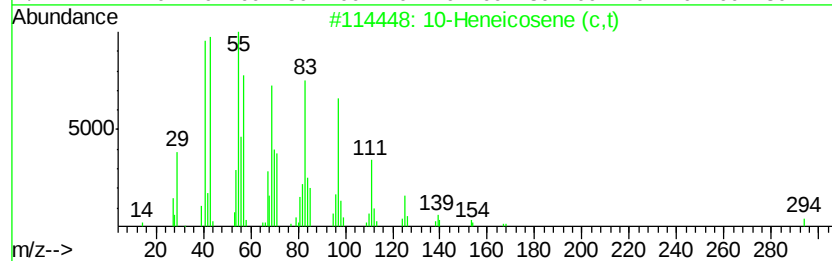
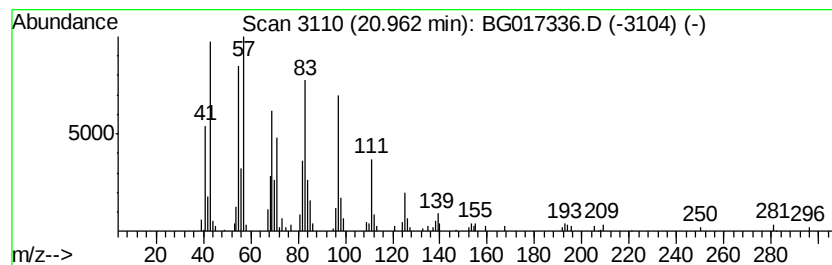
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Peak Number 4 10-Heneicosene (c,t) Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 20.96 | 3.78 ng | 97765 | Chrysene-d12     | 21.25 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 10-Heneicosene (c,t) | 294 | C21H42  | 095008-11-0 | 90   |
| 2    |    |   | 1-Octadecanol        | 270 | C18H38O | 000112-92-5 | 76   |
| 3    |    |   | Isoheptadecanol      | 256 | C17H36O | 057289-07-3 | 72   |
| 4    |    |   | 1-Eicosanol          | 298 | C20H42O | 000629-96-9 | 68   |
| 5    |    |   | Isotridecanol-       | 200 | C13H28O | 027458-92-0 | 64   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.76  | 50.9    | ng    | 434420   | 1                     | 7.65  | 170697 | 20.0 |
| unknown7.20          | 7.20  | 54.8    | ng    | 467617   | 1                     | 7.65  | 170697 | 20.0 |
| 10-Heneicosene (c,t) | 20.96 | 3.8     | ng    | 97765    | 5                     | 21.25 | 516981 | 20.0 |