

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061215\  
 Data File : BF079949.D  
 Acq On : 12 Jun 2015 22:04  
 Operator : TP/IZ  
 Sample : G2627-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-41

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\_F\METHODS\8270-BF061115.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         | 1.335       | 11            | 13          | 84           | rVB2     | 465309         | 7366581       | 100.00%         | 35.473%       |
| 2         | 2.158       | 84            | 85          | 98           | rVV      | 98004          | 339622        | 4.61%           | 1.635%        |
| 3         | 2.330       | 98            | 100         | 107          | rVV      | 501806         | 1006952       | 13.67%          | 4.849%        |
| 4         | 2.433       | 107           | 109         | 122          | rVB2     | 79723          | 212801        | 2.89%           | 1.025%        |
| 5         | 2.673       | 127           | 130         | 133          | rVB      | 467237         | 650629        | 8.83%           | 3.133%        |
| 6         | 5.987       | 418           | 420         | 422          | rBV      | 775454         | 667599        | 9.06%           | 3.215%        |
| 7         | 6.970       | 504           | 506         | 508          | rBV      | 585221         | 464531        | 6.31%           | 2.237%        |
| 8         | 7.142       | 519           | 521         | 523          | rBV      | 1434724        | 1154197       | 15.67%          | 5.558%        |
| 9         | 7.382       | 540           | 542         | 544          | rVB      | 214678         | 249377        | 3.39%           | 1.201%        |
| 10        | 7.542       | 553           | 556         | 557          | rBV      | 696533         | 947544        | 12.86%          | 4.563%        |
| 11        | 7.930       | 588           | 590         | 592          | rBV      | 923377         | 725731        | 9.85%           | 3.495%        |
| 12        | 8.673       | 652           | 655         | 657          | rVB      | 253849         | 332541        | 4.51%           | 1.601%        |
| 13        | 9.748       | 746           | 749         | 751          | rBV      | 1280443        | 1624009       | 22.05%          | 7.820%        |
| 14        | 10.445      | 808           | 810         | 812          | rBV      | 380378         | 405885        | 5.51%           | 1.955%        |
| 15        | 11.233      | 877           | 879         | 881          | rBV      | 1135309        | 959554        | 13.03%          | 4.621%        |
| 16        | 11.942      | 939           | 941         | 944          | rBV      | 514395         | 467720        | 6.35%           | 2.252%        |
| 17        | 13.611      | 1084          | 1087        | 1089         | rBV      | 2298588        | 2132817       | 28.95%          | 10.270%       |
| 18        | 14.857      | 1194          | 1196        | 1199         | rBV      | 530720         | 537311        | 7.29%           | 2.587%        |
| 19        | 16.731      | 1356          | 1360        | 1366         | rBV      | 325003         | 521183        | 7.07%           | 2.510%        |

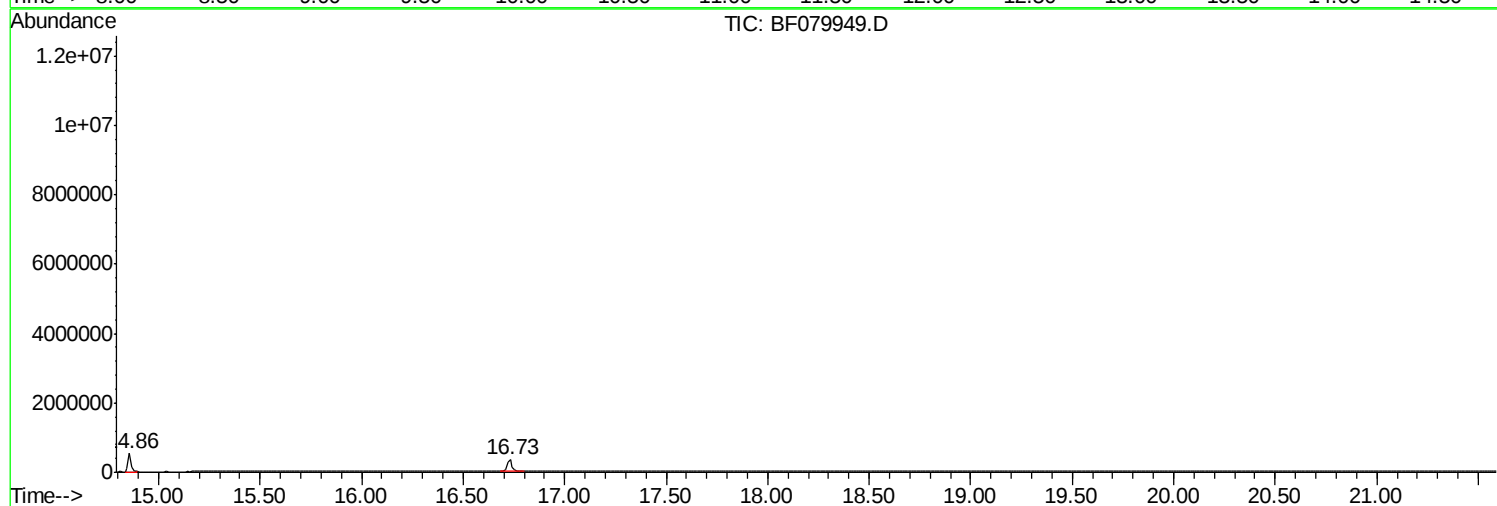
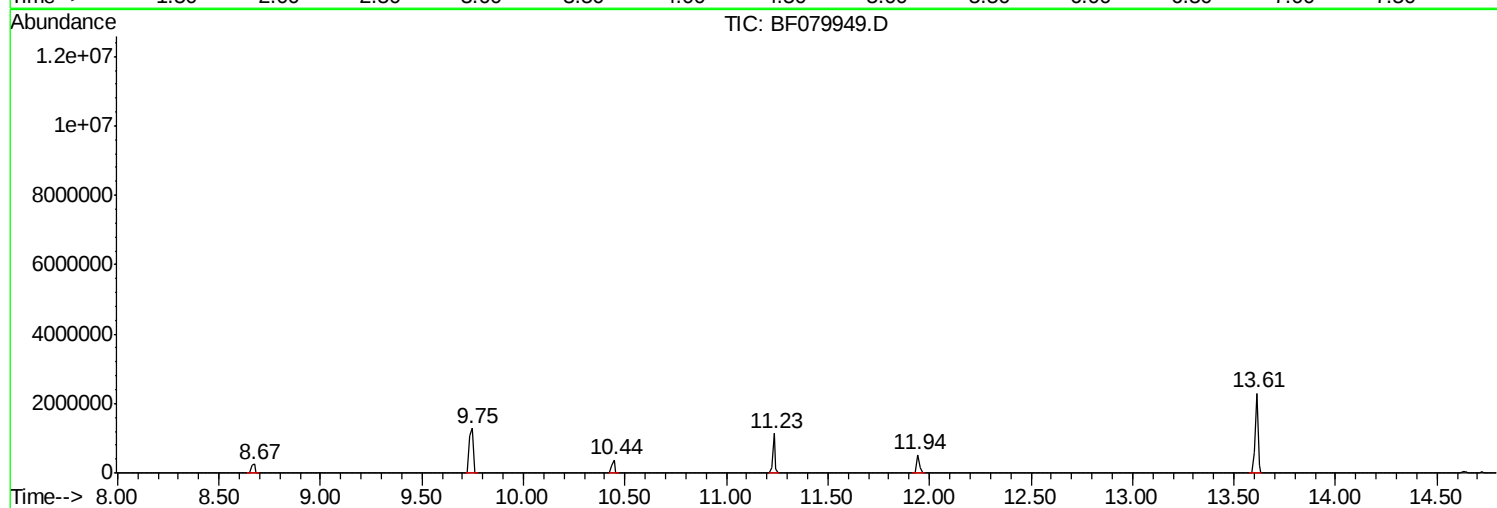
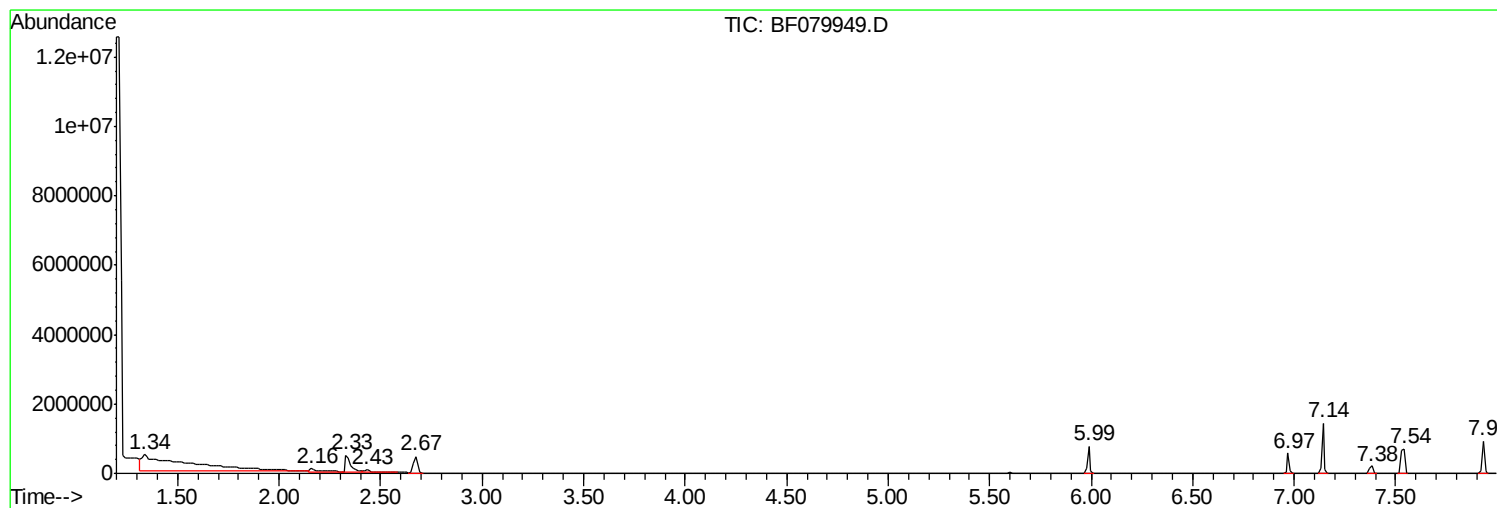
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BNA\_F  
ClientSampleId :  
MW-41

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.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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ClientSampleId :  
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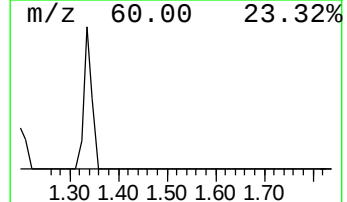
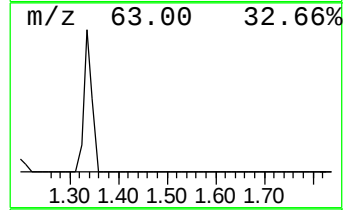
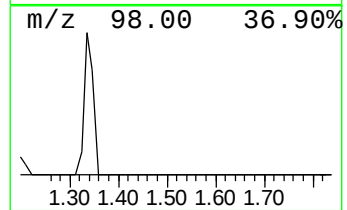
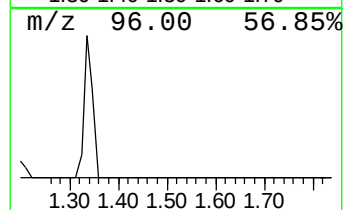
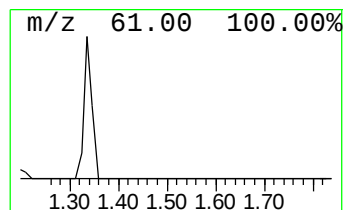
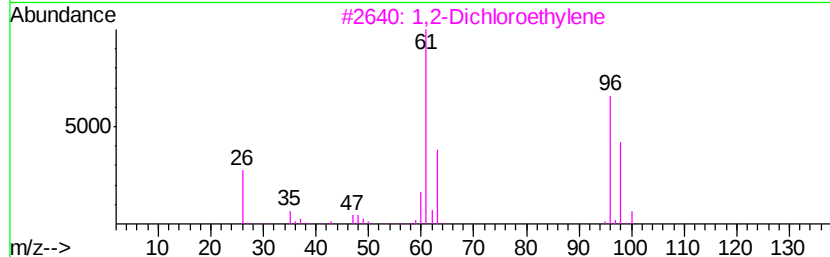
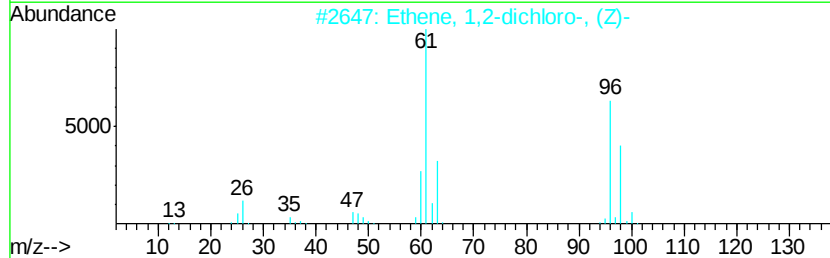
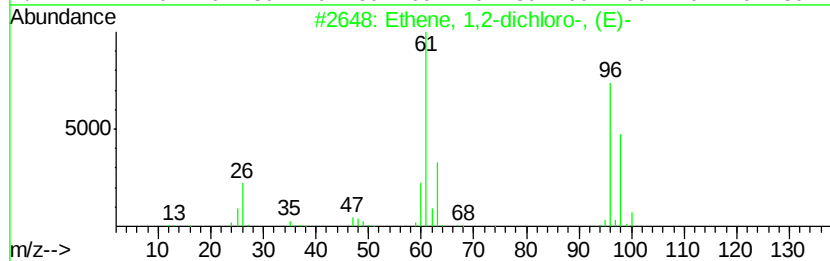
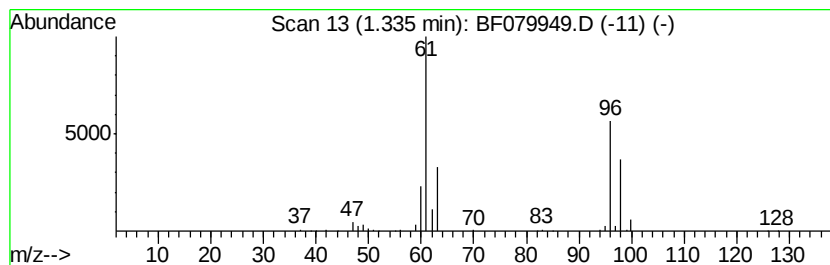
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Ethene, 1,2-dichloro-, (E)- Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 1.34 | 590.80 ng | 7366580 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------------|----|---------|-------------|------|
| 1    | 5  | Ethene, 1,2-dichloro-, (E)- | 96 | C2H2Cl2 | 000156-60-5 | 97   |
| 2    |    | Ethene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 95   |
| 3    |    | 1,2-Dichloroethylene        | 96 | C2H2Cl2 | 000540-59-0 | 91   |
| 4    |    | Ethene, 1,1-dichloro-       | 96 | C2H2Cl2 | 000075-35-4 | 91   |
| 5    |    | Chloromethylmethyl sulfide  | 96 | C2H5ClS | 002373-51-5 | 47   |



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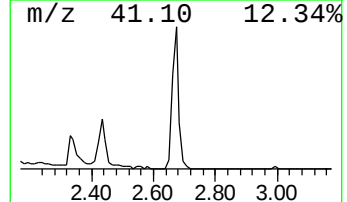
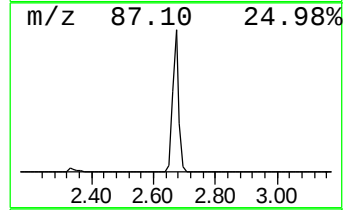
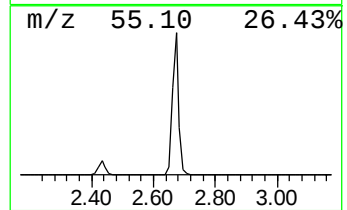
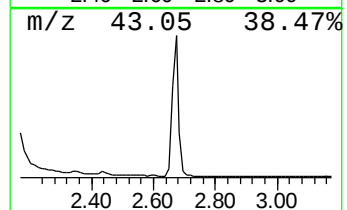
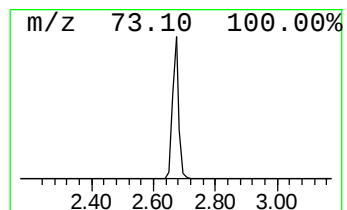
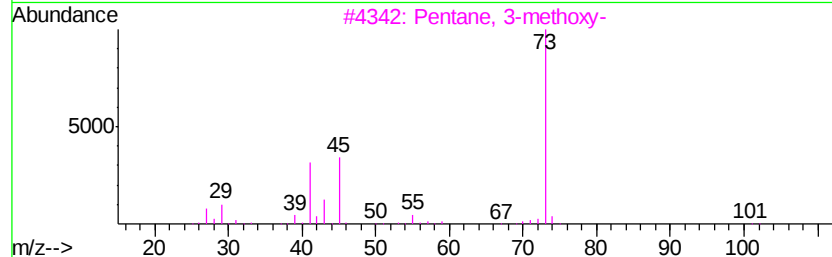
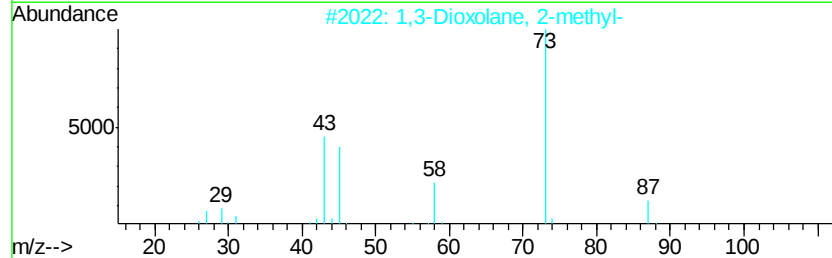
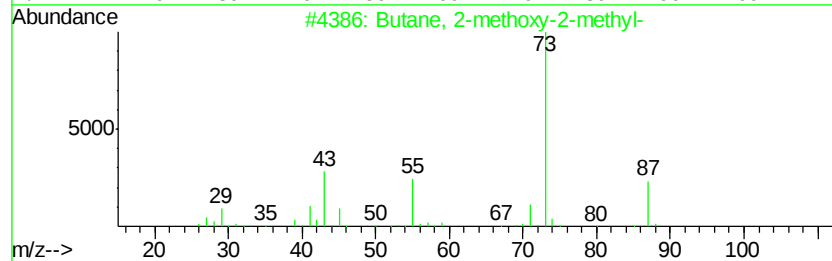
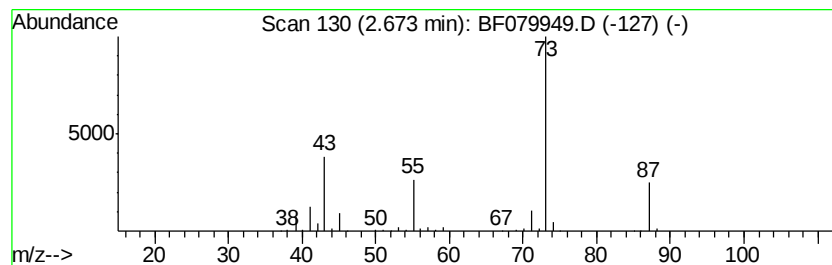
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.67 | 52.18 ng | 650629 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 37   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 10   |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

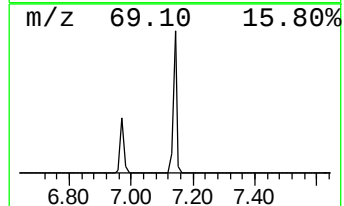
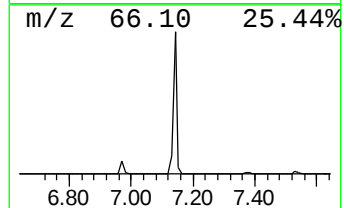
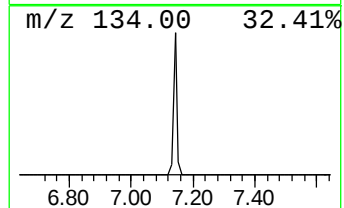
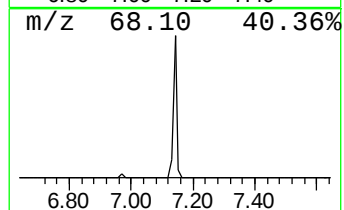
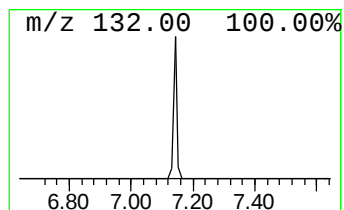
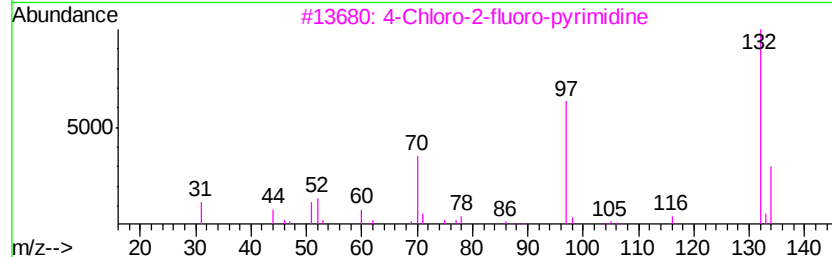
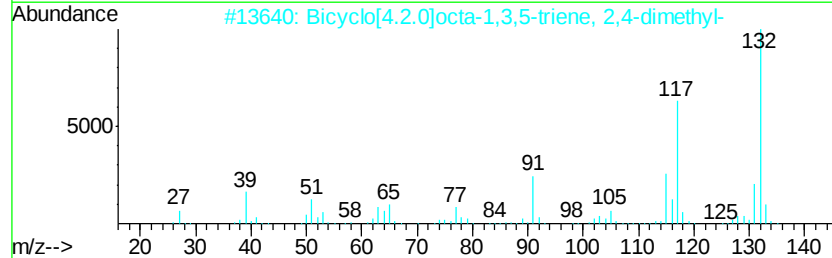
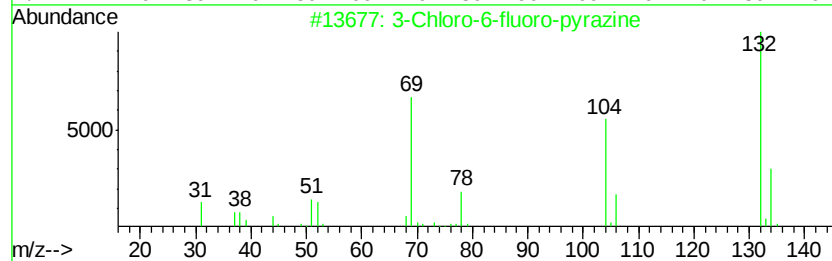
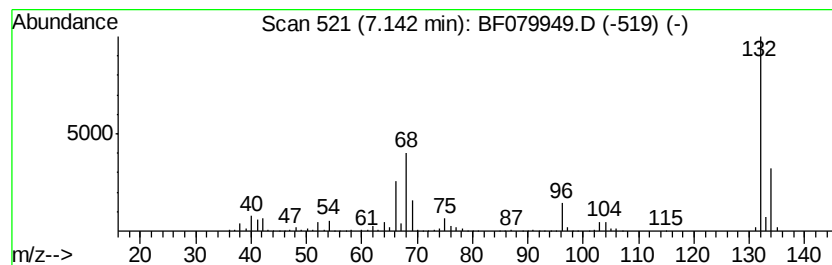
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown7.14 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.14 | 92.57 ng | 1154200 | 1,4-Dichlorobenzene-d4 | 7.38 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
MW-41

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethene, 1,2-dichl... | 1.34 | 590.8   | ng    | 7366580  | 1                     | 7.38 | 249377 | 20.0 |
| Butane, 2-methoxy... | 2.67 | 52.2    | ng    | 650629   | 1                     | 7.38 | 249377 | 20.0 |
| unknown7.14          | 7.14 | 92.6    | ng    | 1154200  | 1                     | 7.38 | 249377 | 20.0 |