

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060117\  
 Data File : BF095602.D  
 Acq On : 1 Jun 2017 19:09  
 Operator : SJ/MA  
 Sample : I3361-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S22-0021

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-BF050217.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         | 4.798       | 526           | 529         | 537          | rBV2     | 14168          | 34648         | 1.29%           | 0.207%        |
| 2         | 5.316       | 613           | 617         | 620          | rBV      | 46490          | 69433         | 2.58%           | 0.415%        |
| 3         | 5.457       | 638           | 641         | 665          | rBV      | 280752         | 764303        | 28.41%          | 4.563%        |
| 4         | 6.804       | 866           | 870         | 875          | rBV      | 58921          | 78830         | 2.93%           | 0.471%        |
| 5         | 6.851       | 875           | 878         | 887          | rVV      | 25247          | 40907         | 1.52%           | 0.244%        |
| 6         | 6.928       | 887           | 891         | 903          | rVB      | 39087          | 58333         | 2.17%           | 0.348%        |
| 7         | 7.051       | 907           | 912         | 918          | rBV      | 29775          | 43036         | 1.60%           | 0.257%        |
| 8         | 7.104       | 918           | 921         | 932          | rBV      | 158821         | 373903        | 13.90%          | 2.232%        |
| 9         | 7.192       | 932           | 936         | 946          | rVV      | 1120182        | 1841560       | 68.46%          | 10.995%       |
| 10        | 7.269       | 946           | 949         | 958          | rVB      | 140381         | 177460        | 6.60%           | 1.059%        |
| 11        | 7.540       | 991           | 995         | 1005         | rBV      | 288458         | 396887        | 14.76%          | 2.370%        |
| 12        | 7.634       | 1005          | 1011        | 1018         | rVB      | 32666          | 44130         | 1.64%           | 0.263%        |
| 13        | 7.775       | 1030          | 1035        | 1048         | rBV      | 1258670        | 1744065       | 64.84%          | 10.412%       |
| 14        | 8.451       | 1145          | 1150        | 1178         | rBV      | 870194         | 1281002       | 47.62%          | 7.648%        |
| 15        | 9.569       | 1336          | 1340        | 1363         | rBV      | 376624         | 571412        | 21.24%          | 3.411%        |
| 16        | 11.345      | 1636          | 1642        | 1662         | rBV      | 2056711        | 2689806       | 100.00%         | 16.059%       |
| 17        | 12.051      | 1758          | 1762        | 1770         | rBV2     | 26680          | 43093         | 1.60%           | 0.257%        |
| 18        | 12.392      | 1815          | 1820        | 1832         | rBV2     | 467537         | 662444        | 24.63%          | 3.955%        |
| 19        | 13.692      | 2036          | 2041        | 2064         | rBV      | 1010522        | 1481473       | 55.08%          | 8.845%        |
| 20        | 14.798      | 2224          | 2229        | 2241         | rBV      | 474090         | 672720        | 25.01%          | 4.016%        |
| 21        | 15.786      | 2393          | 2397        | 2401         | rBV2     | 24068          | 32302         | 1.20%           | 0.193%        |
| 22        | 17.151      | 2623          | 2629        | 2632         | rBV      | 2005579        | 2458583       | 91.40%          | 14.678%       |
| 23        | 18.386      | 2835          | 2839        | 2850         | rVB3     | 40016          | 60686         | 2.26%           | 0.362%        |
| 24        | 18.492      | 2853          | 2857        | 2873         | rVB      | 467809         | 655046        | 24.35%          | 3.911%        |
| 25        | 20.168      | 3138          | 3142        | 3154         | rBV      | 317350         | 473719        | 17.61%          | 2.828%        |

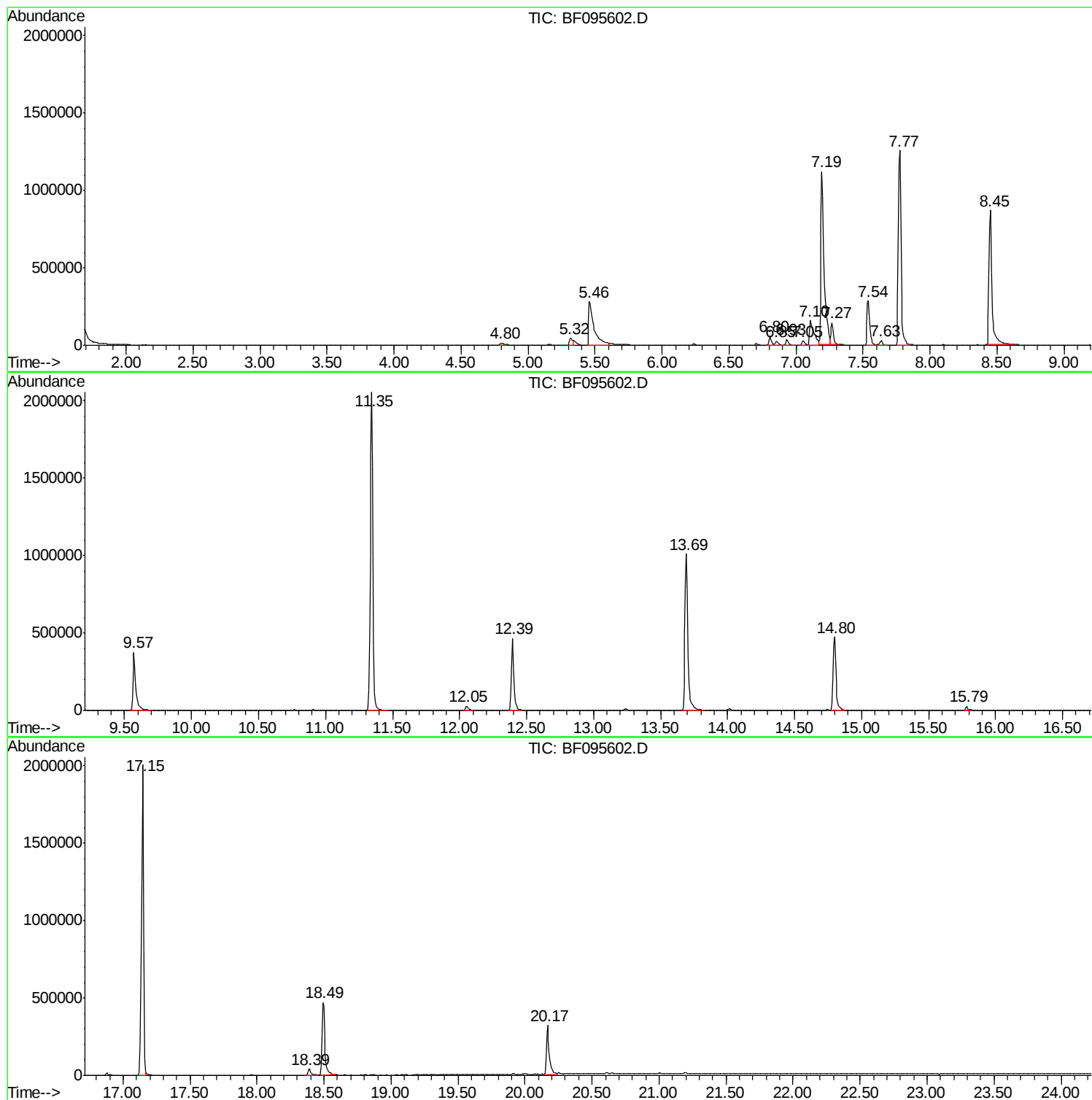
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S22-0021

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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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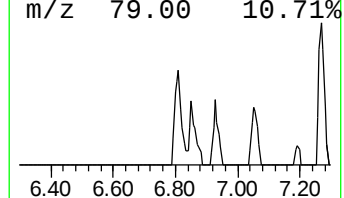
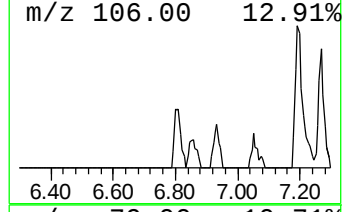
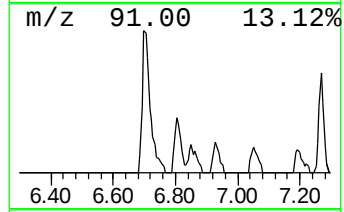
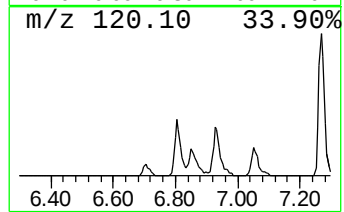
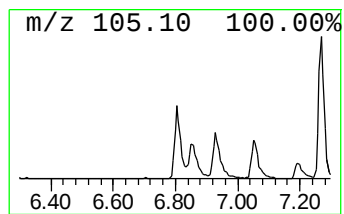
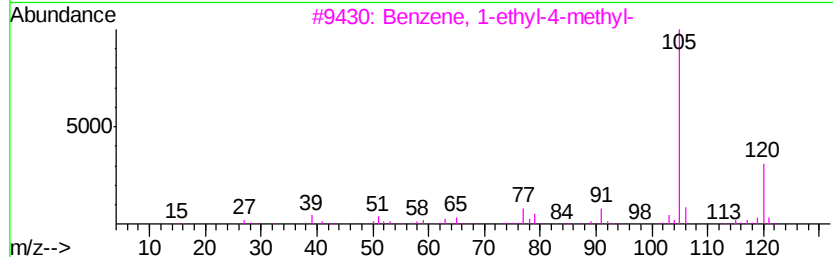
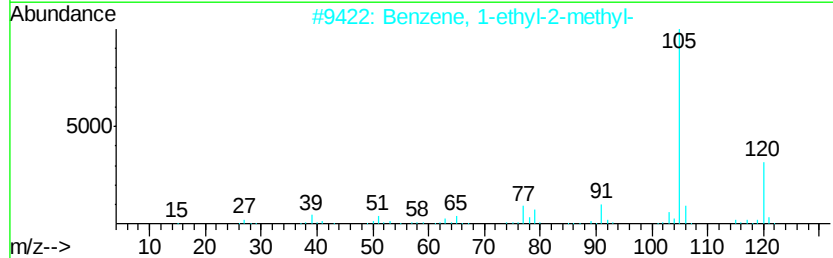
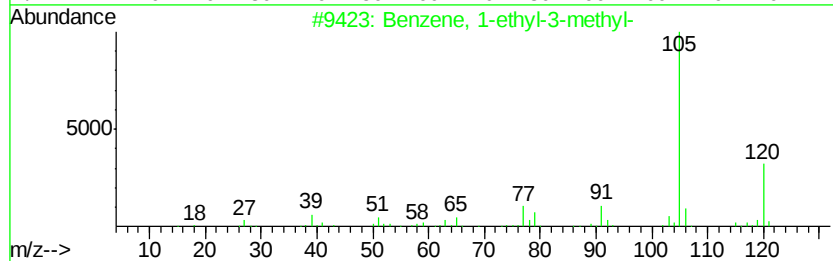
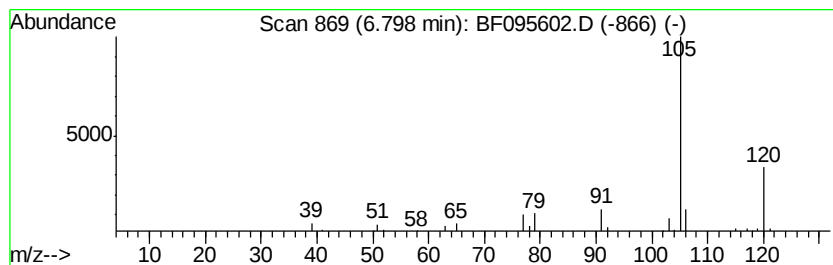
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.80 | 3.97 ng | 78830 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

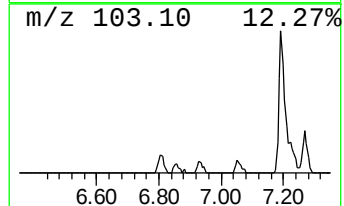
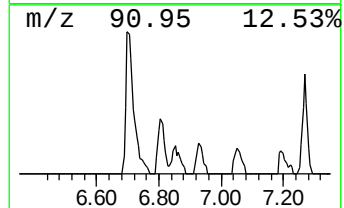
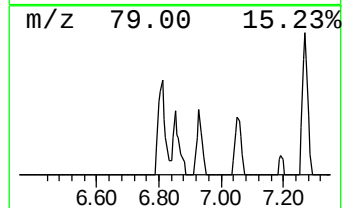
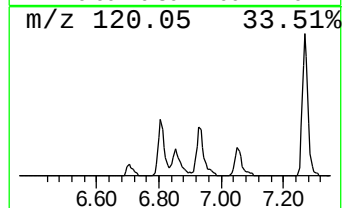
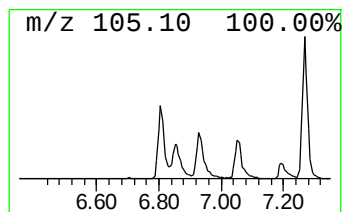
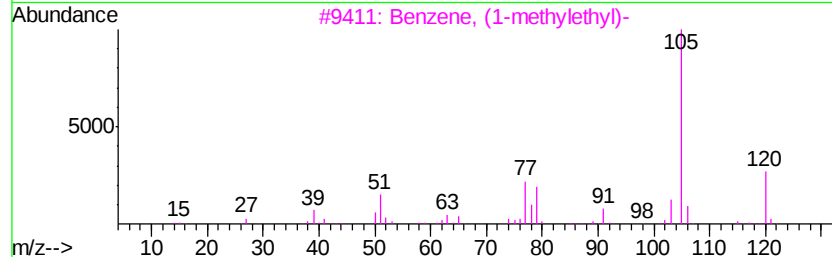
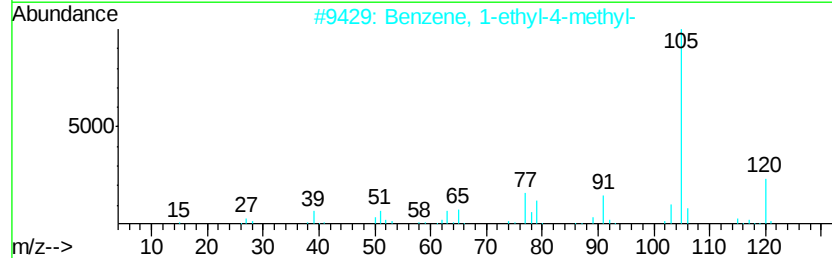
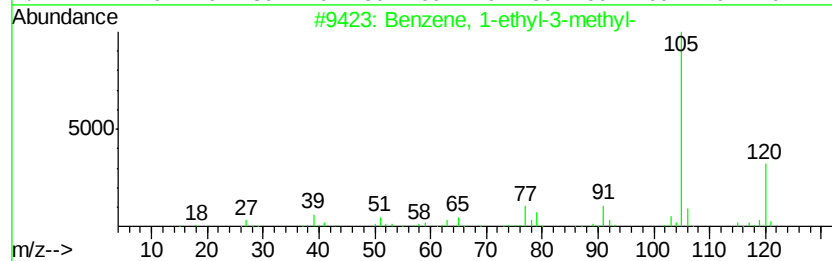
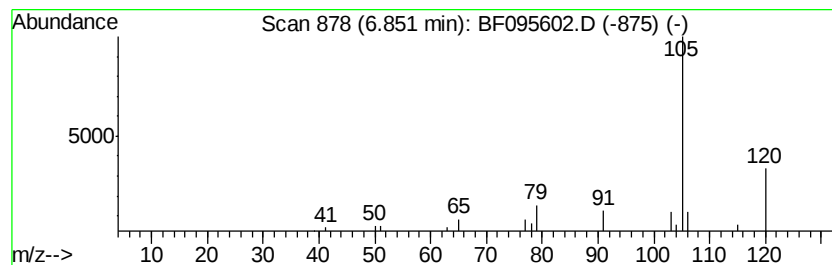
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.85 | 2.06 ng | 40907 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# of | 5                          | Tentative ID | MW    | MolForm     | CAS# | Qual |
|---------|----------------------------|--------------|-------|-------------|------|------|
| 1       | Benzene, 1-ethyl-3-methyl- | 120          | C9H12 | 000620-14-4 | 80   |      |
| 2       | Benzene, 1-ethyl-4-methyl- | 120          | C9H12 | 000622-96-8 | 72   |      |
| 3       | Benzene, (1-methylethyl)-  | 120          | C9H12 | 000098-82-8 | 72   |      |
| 4       | 2,4-Nonadiyne              | 120          | C9H12 | 063621-15-8 | 72   |      |
| 5       | Benzene, 1-ethyl-2-methyl- | 120          | C9H12 | 000611-14-3 | 72   |      |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
S22-0021

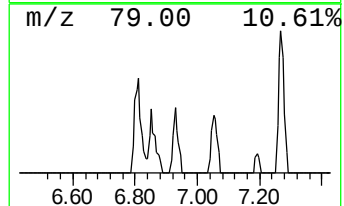
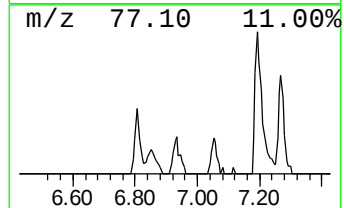
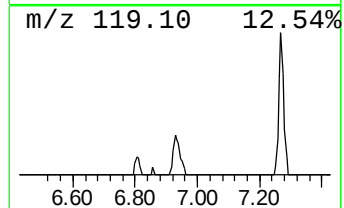
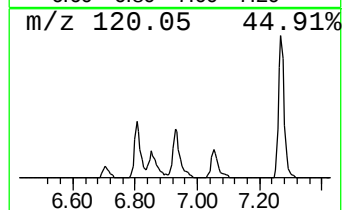
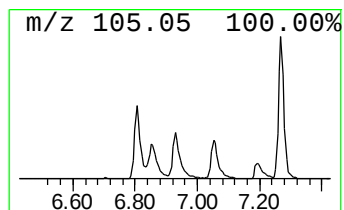
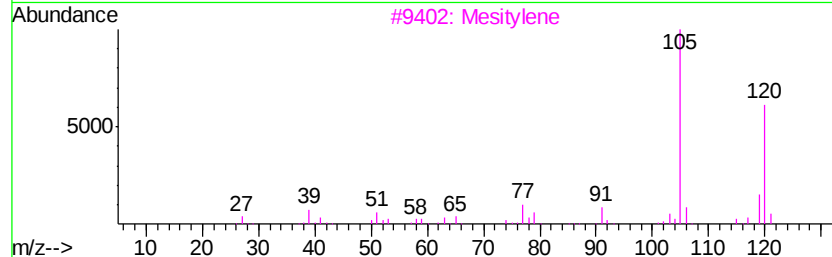
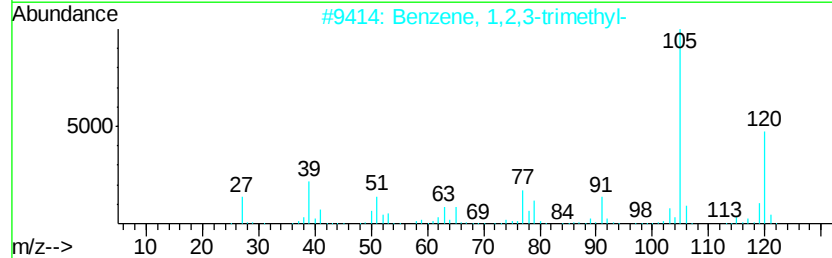
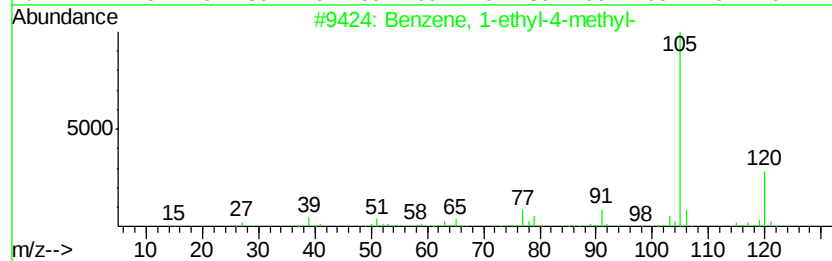
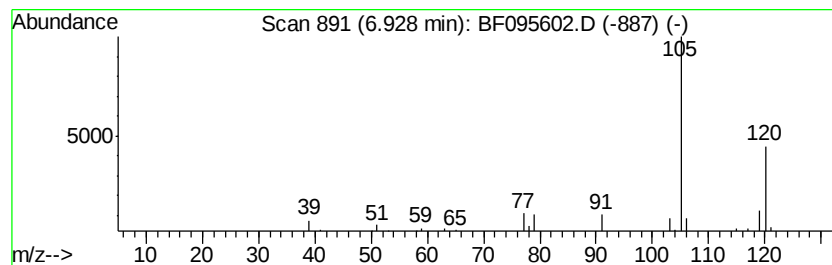
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.93 | 2.94 ng | 58333 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 3    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



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Instrument :  
BNA\_F  
ClientSampleId :  
S22-0021

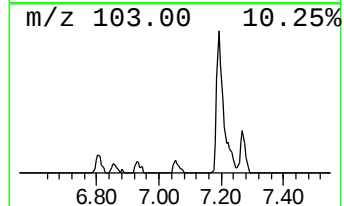
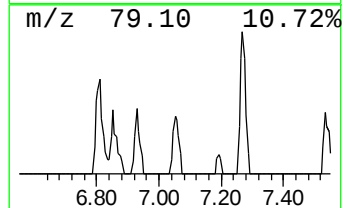
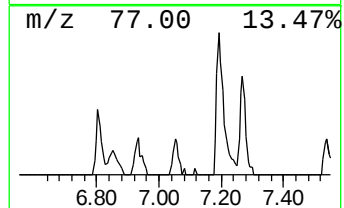
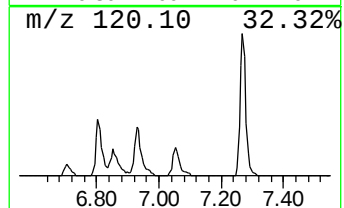
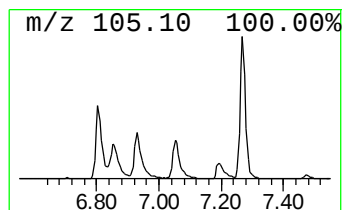
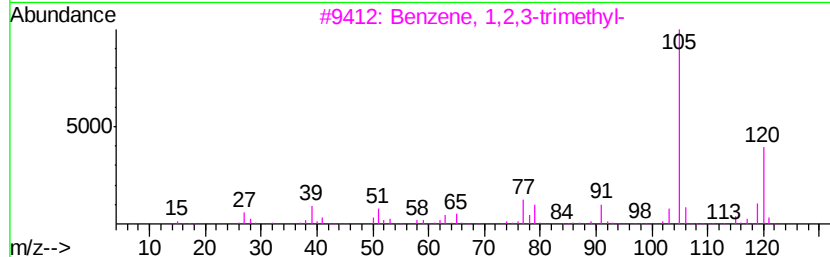
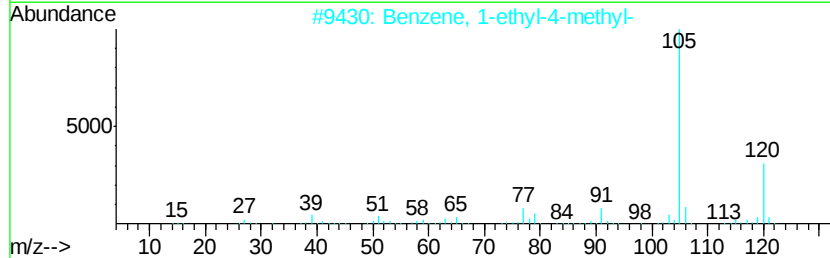
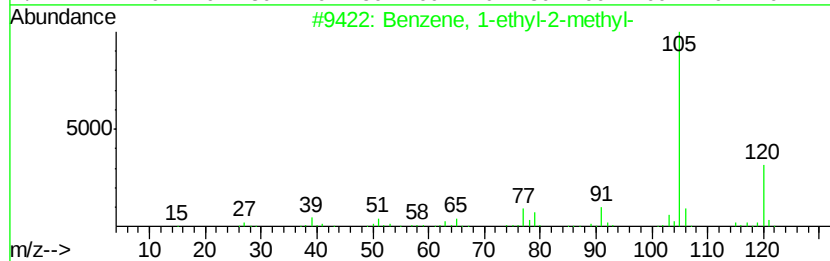
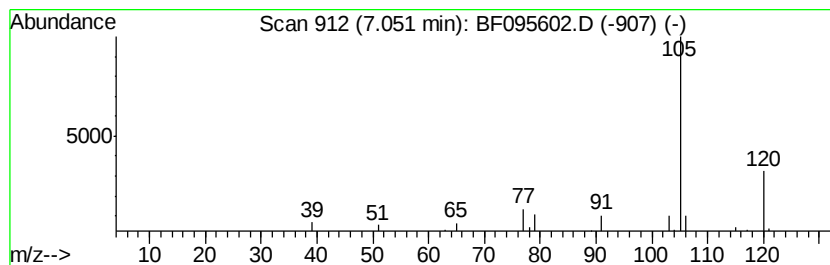
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.05 | 2.17 ng | 43036 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 91   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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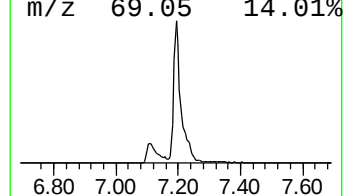
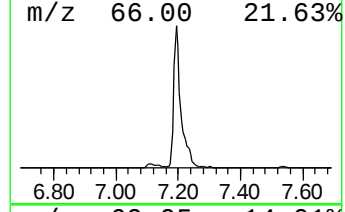
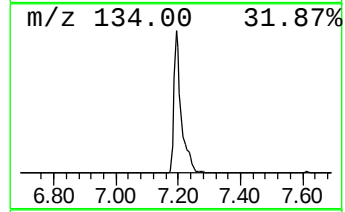
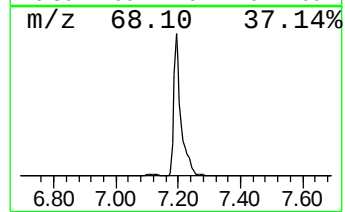
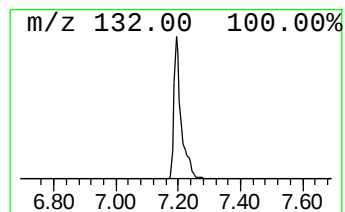
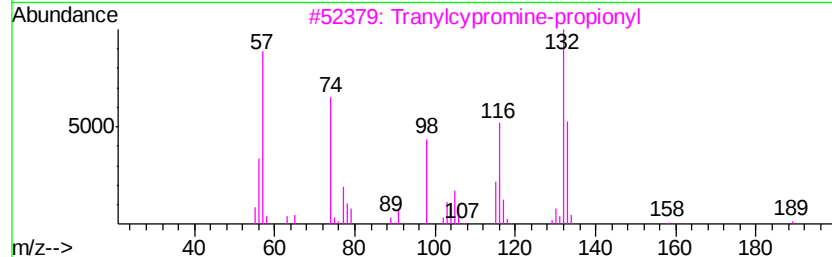
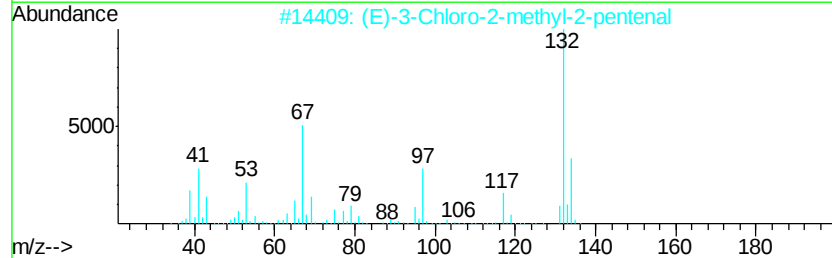
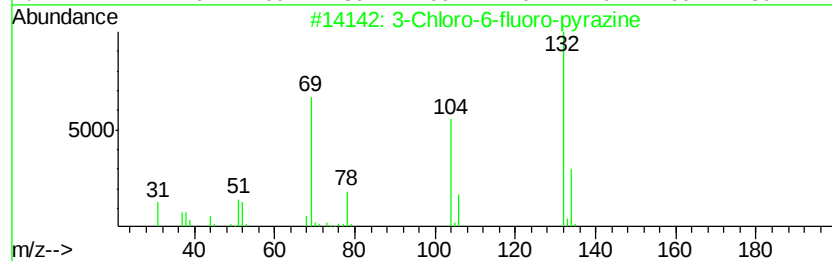
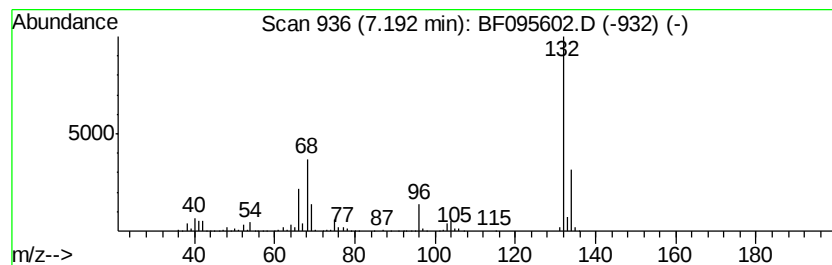
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown7.19 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.19 | 92.80 ng | 1841560 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | 1H-Indazole, 7-methyl-           | 132 | C8H8N2    | 1000316-00-7 | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060117\  
Data File : BF095602.D  
Acq On : 1 Jun 2017 19:09  
Operator : SJ/MA  
Sample : I3361-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S22-0021

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

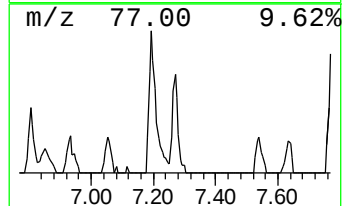
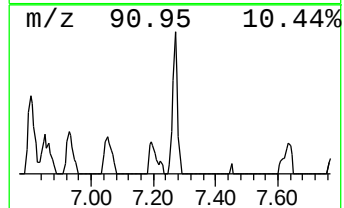
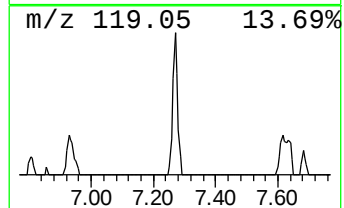
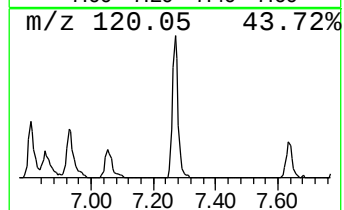
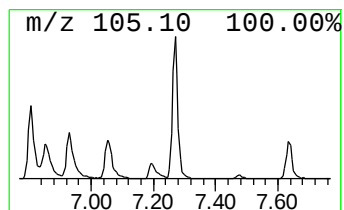
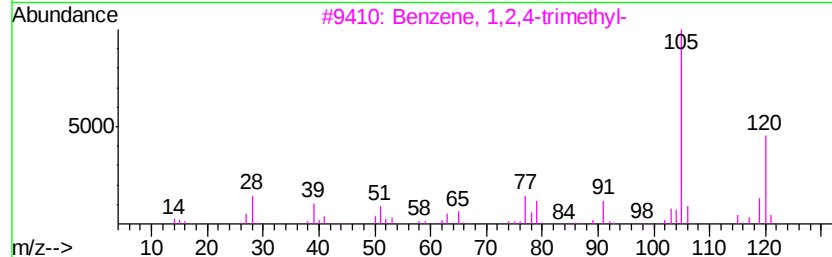
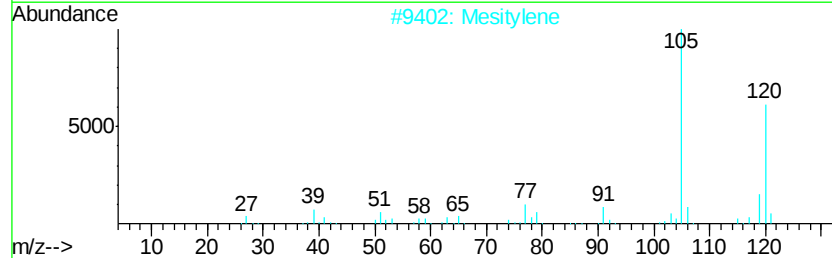
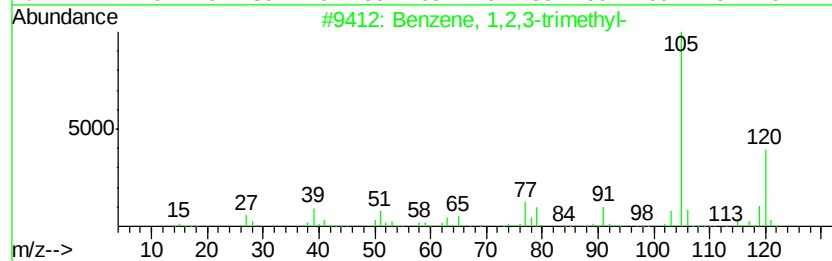
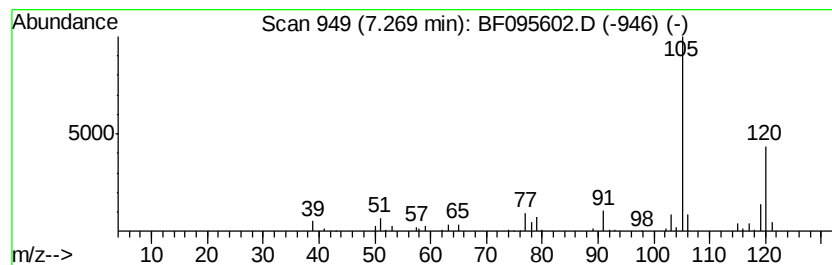
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 7.27 | 8.94 ng | 177460 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 94   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060117\  
Data File : BF095602.D  
Acq On : 1 Jun 2017 19:09  
Operator : SJ/MA  
Sample : I3361-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S22-0021

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

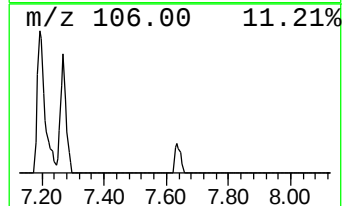
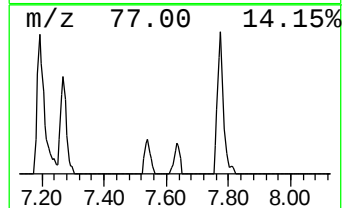
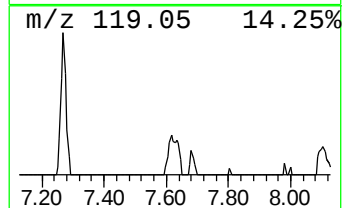
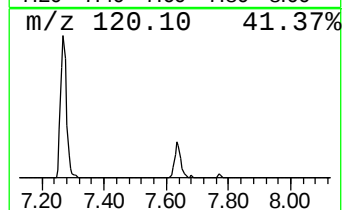
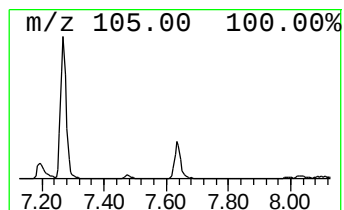
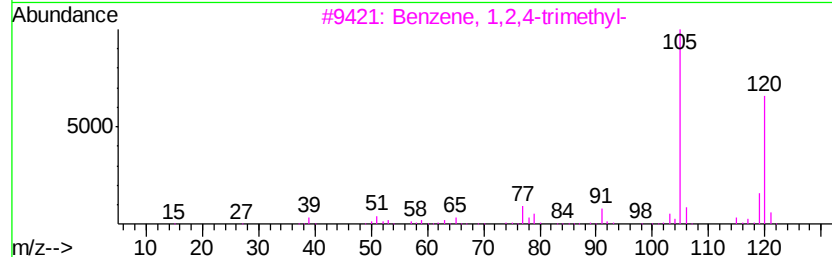
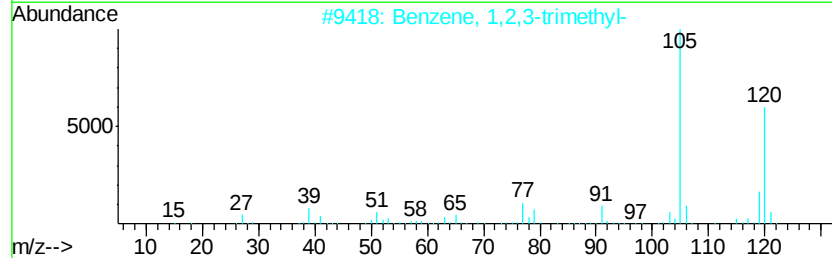
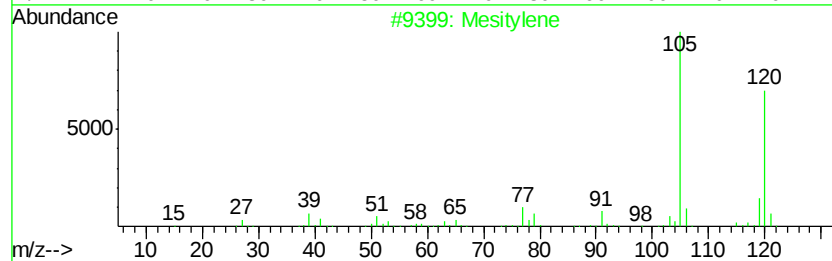
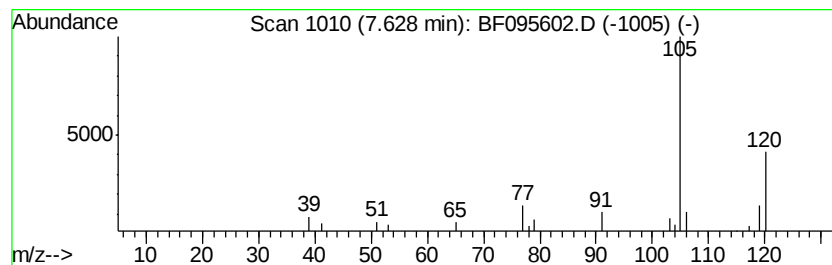
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Mesitylene Concentration Rank 7

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.63 | 2.22 ng | 44130 | 1,4-Dichlorobenzene-d4 | 7.54 |

| Hit# of | 5                          | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------------|--------------|-----|---------|-------------|------|
| 1       | Mesitylene                 |              | 120 | C9H12   | 000108-67-8 | 91   |
| 2       | Benzene, 1,2,3-trimethyl-  |              | 120 | C9H12   | 000526-73-8 | 91   |
| 3       | Benzene, 1,2,4-trimethyl-  |              | 120 | C9H12   | 000095-63-6 | 91   |
| 4       | Benzene, 1-ethyl-4-methyl- |              | 120 | C9H12   | 000622-96-8 | 86   |
| 5       | Benzene, 1-ethyl-3-methyl- |              | 120 | C9H12   | 000620-14-4 | 80   |



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Acq On : 1 Jun 2017 19:09  
Operator : SJ/MA  
Sample : I3361-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S22-0021

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050217.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 |
| Benzene, 1-ethyl-... | 6.80 | 4.0     | ng    | 78830    | 1                     | 7.54 | 396887 | 20.0 |
| Benzene, (1-methy... | 6.85 | 2.1     | ng    | 40907    | 1                     | 7.54 | 396887 | 20.0 |
| Benzene, 1-ethyl-... | 6.93 | 2.9     | ng    | 58333    | 1                     | 7.54 | 396887 | 20.0 |
| Benzene, 1-ethyl-... | 7.05 | 2.2     | ng    | 43036    | 1                     | 7.54 | 396887 | 20.0 |
| unknown7.19          | 7.19 | 92.8    | ng    | 1841560  | 1                     | 7.54 | 396887 | 20.0 |
| Benzene, 1,2,3-tr... | 7.27 | 8.9     | ng    | 177460   | 1                     | 7.54 | 396887 | 20.0 |
| Mesitylene           | 7.63 | 2.2     | ng    | 44130    | 1                     | 7.54 | 396887 | 20.0 |