

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
 Data File : BM011645.D  
 Acq On : 20 Sep 2017 19:47  
 Operator : SJ/JU  
 Sample : I5271-19DL 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AJ5DL

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 5.275    | 330        | 338      | 363       | rBV   | 26244852    | 39519329   | 37.42%       | 13.421%    |
| 2      | 7.292    | 675        | 681      | 690       | rBV   | 88303       | 155346     | 0.15%        | 0.053%     |
| 3      | 7.498    | 710        | 716      | 729       | rBV   | 85022       | 156202     | 0.15%        | 0.053%     |
| 4      | 7.851    | 768        | 776      | 788       | rBV   | 5607116     | 9029083    | 8.55%        | 3.066%     |
| 5      | 8.010    | 789        | 803      | 825       | rVB   | 42240394    | 73424013   | 69.53%       | 24.936%    |
| 6      | 8.339    | 847        | 859      | 881       | rBV2  | 53225745    | 105596584  | 100.00%      | 35.862%    |
| 7      | 9.128    | 987        | 993      | 995       | rBV   | 124960      | 203505     | 0.19%        | 0.069%     |
| 8      | 9.169    | 995        | 1000     | 1017      | rVB   | 1521241     | 2657830    | 2.52%        | 0.903%     |
| 9      | 9.857    | 1111       | 1117     | 1132      | rVB   | 70950       | 160324     | 0.15%        | 0.054%     |
| 10     | 10.386   | 1200       | 1207     | 1217      | rBV   | 111104      | 219660     | 0.21%        | 0.075%     |
| 11     | 10.633   | 1240       | 1249     | 1265      | rBV   | 16611782    | 26948291   | 25.52%       | 9.152%     |
| 12     | 10.769   | 1265       | 1272     | 1289      | rVB   | 1492059     | 2546963    | 2.41%        | 0.865%     |
| 13     | 11.151   | 1328       | 1337     | 1352      | rBV   | 5201043     | 8831427    | 8.36%        | 2.999%     |
| 14     | 11.369   | 1367       | 1374     | 1389      | rBV   | 1002980     | 1760157    | 1.67%        | 0.598%     |
| 15     | 11.580   | 1404       | 1410     | 1426      | rBV2  | 228240      | 475989     | 0.45%        | 0.162%     |
| 16     | 12.792   | 1603       | 1616     | 1626      | rBV   | 290200      | 567197     | 0.54%        | 0.193%     |
| 17     | 13.392   | 1711       | 1718     | 1731      | rBV   | 908065      | 1435465    | 1.36%        | 0.488%     |
| 18     | 13.998   | 1814       | 1821     | 1827      | rBV   | 244998      | 390941     | 0.37%        | 0.133%     |
| 19     | 14.292   | 1862       | 1871     | 1879      | rBV   | 256820      | 414082     | 0.39%        | 0.141%     |
| 20     | 14.592   | 1915       | 1922     | 1943      | rBV2  | 2050361     | 3315933    | 3.14%        | 1.126%     |
| 21     | 15.580   | 2082       | 2090     | 2100      | rBV   | 356614      | 581262     | 0.55%        | 0.197%     |
| 22     | 17.333   | 2381       | 2388     | 2399      | rBV2  | 2703877     | 3940324    | 3.73%        | 1.338%     |
| 23     | 17.433   | 2399       | 2405     | 2415      | rVB   | 408927      | 633204     | 0.60%        | 0.215%     |
| 24     | 19.715   | 2788       | 2793     | 2802      | rBV   | 503455      | 715989     | 0.68%        | 0.243%     |
| 25     | 21.497   | 3091       | 3096     | 3105      | rBV   | 3414102     | 4377166    | 4.15%        | 1.487%     |
| 26     | 23.103   | 3366       | 3369     | 3377      | rVB2  | 141560      | 214849     | 0.20%        | 0.073%     |
| 27     | 23.709   | 3467       | 3472     | 3482      | rVB3  | 545742      | 1066490    | 1.01%        | 0.362%     |
| 28     | 23.868   | 3492       | 3499     | 3511      | rBV   | 2015593     | 3972631    | 3.76%        | 1.349%     |
| 29     | 24.397   | 3585       | 3589     | 3598      | rVB2  | 277604      | 555169     | 0.53%        | 0.189%     |
| 30     | 25.203   | 3721       | 3726     | 3733      | rVB   | 280805      | 587818     | 0.56%        | 0.200%     |

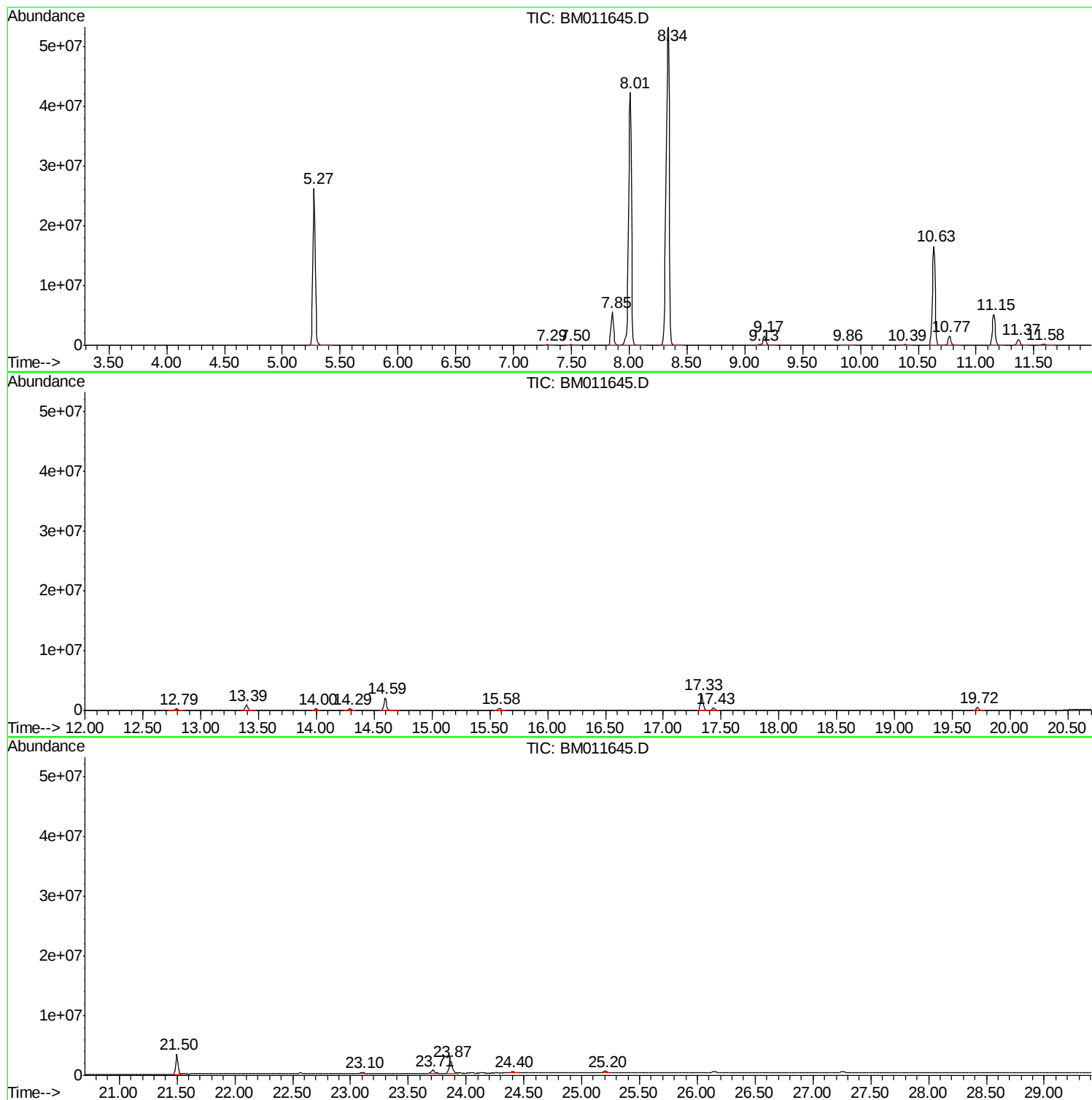
Sum of corrected areas: 294453223

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleID :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

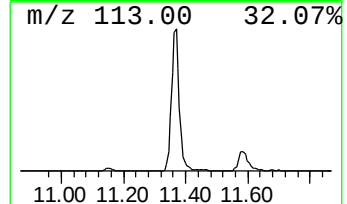
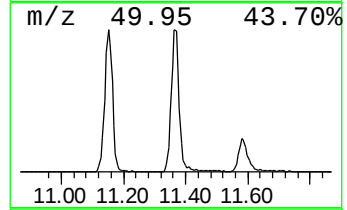
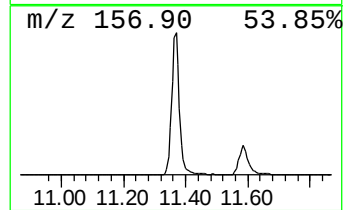
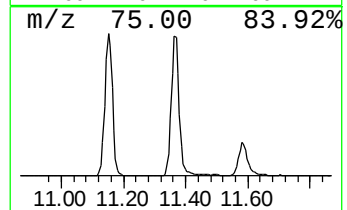
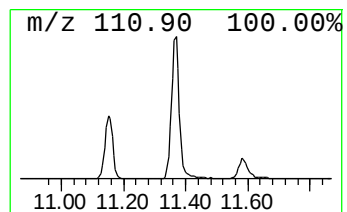
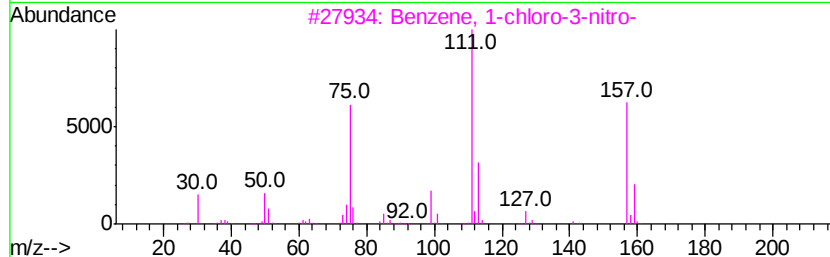
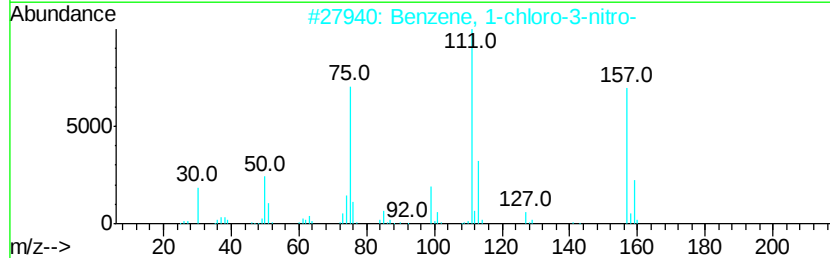
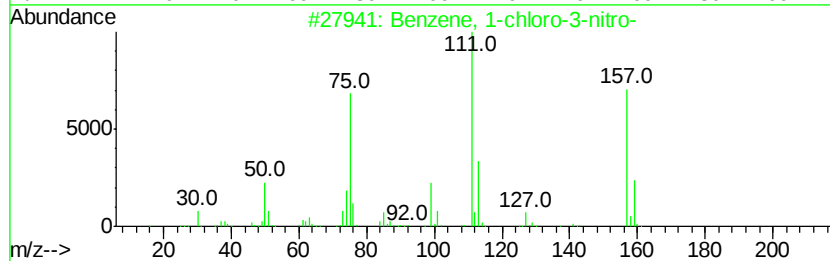
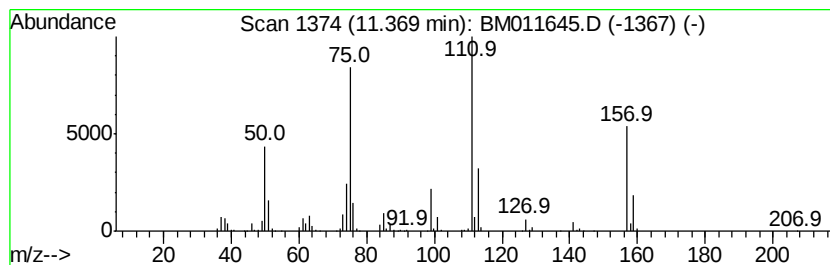
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1-chloro-3-nitro- Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 11.37 | 13.82 ng/ul | 1760160 | Naphthalene-d8   | 10.77 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 96   |
| 2    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 92   |
| 3    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 86   |
| 4    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 64   |
| 5    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 53   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

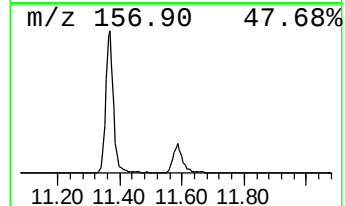
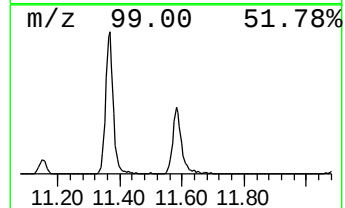
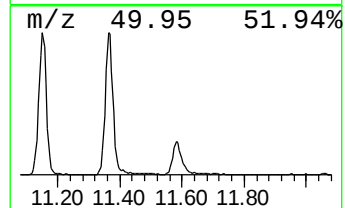
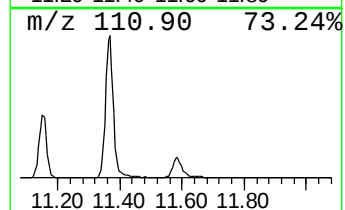
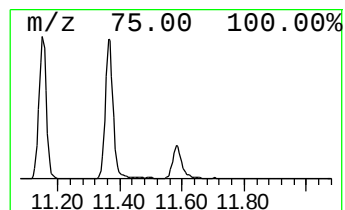
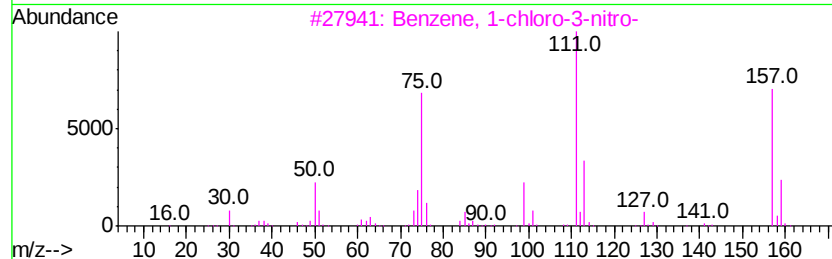
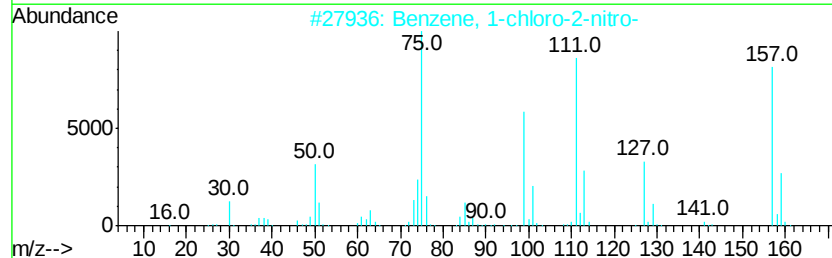
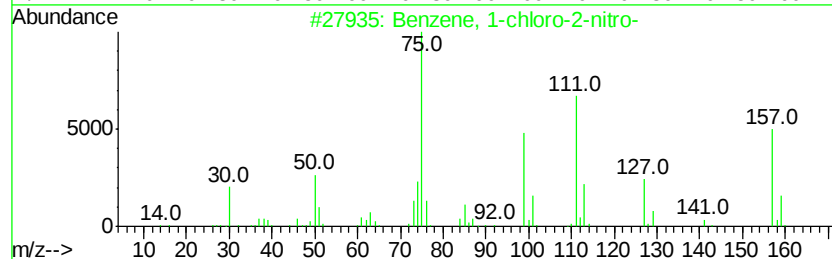
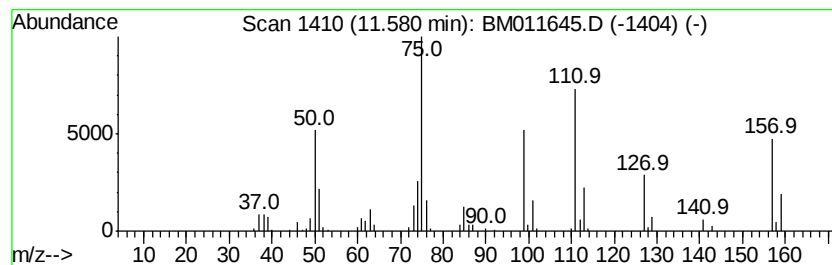
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, 1-chloro-2-nitro- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.58 | 3.74 ng/ul | 475989 | Napthalene-d8    | 10.77 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 98   |
| 2    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 97   |
| 3    |    | Benzene, 1-chloro-3-nitro- | 157 | C6H4ClNO2 | 000121-73-3 | 93   |
| 4    |    | Benzene, 1-chloro-2-nitro- | 157 | C6H4ClNO2 | 000088-73-3 | 93   |
| 5    |    | Benzene, 1-chloro-4-nitro- | 157 | C6H4ClNO2 | 000100-00-5 | 93   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

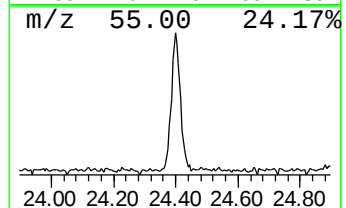
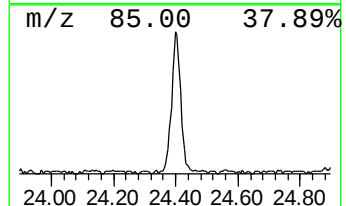
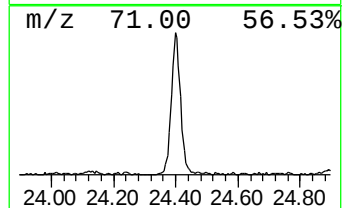
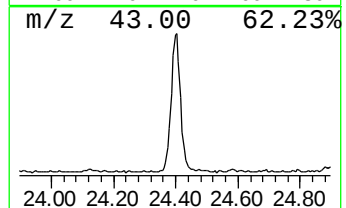
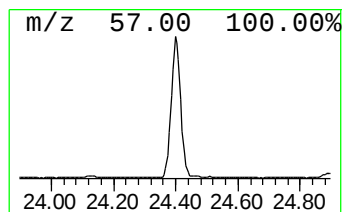
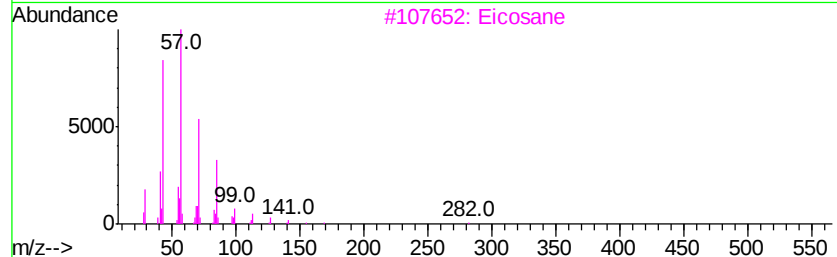
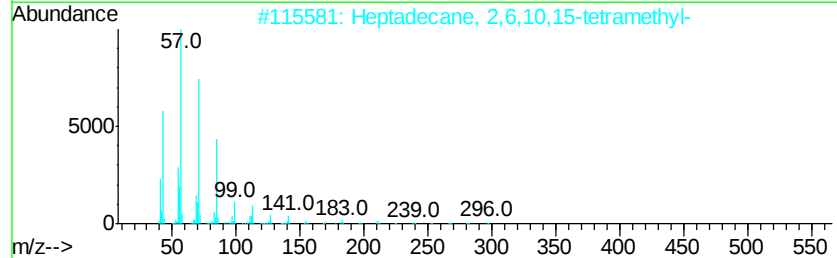
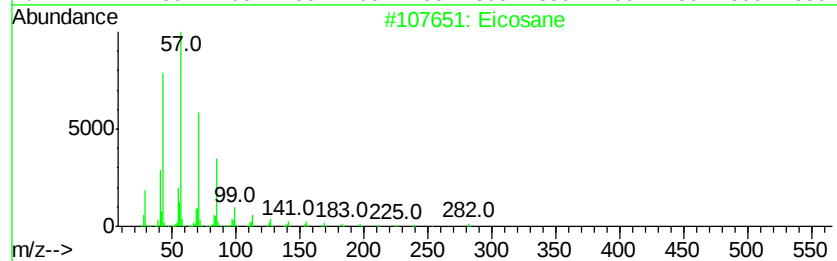
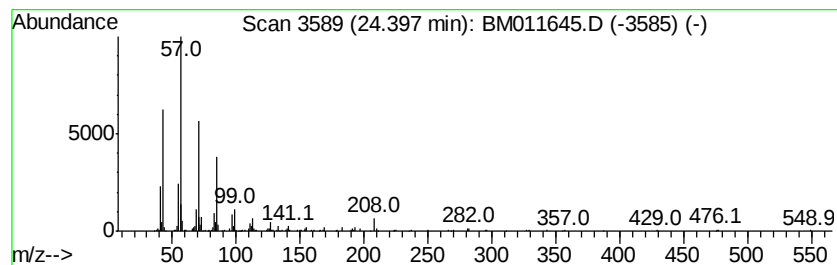
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.40 | 2.79 ng/ul | 555169 | Perylene-d12     | 23.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane                            | 282 | C20H42  | 000112-95-8 | 98   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 96   |
| 3    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 90   |
| 4    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 87   |
| 5    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 81   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

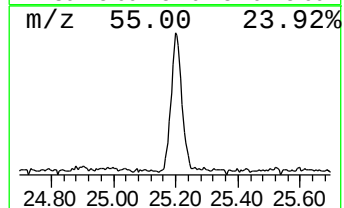
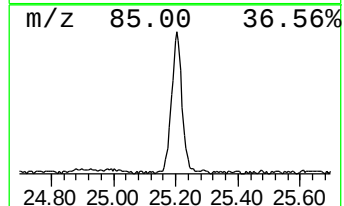
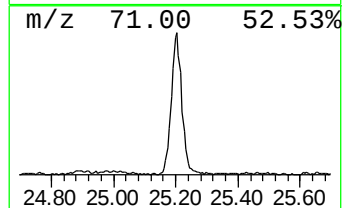
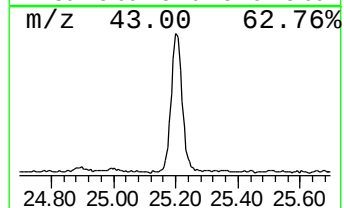
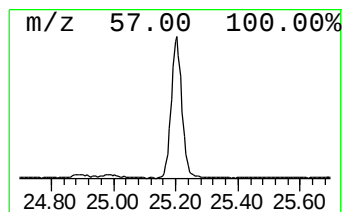
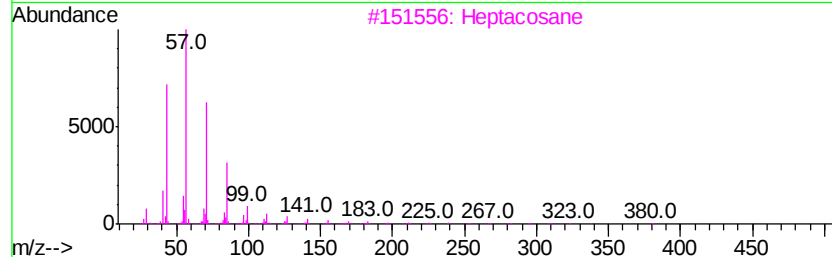
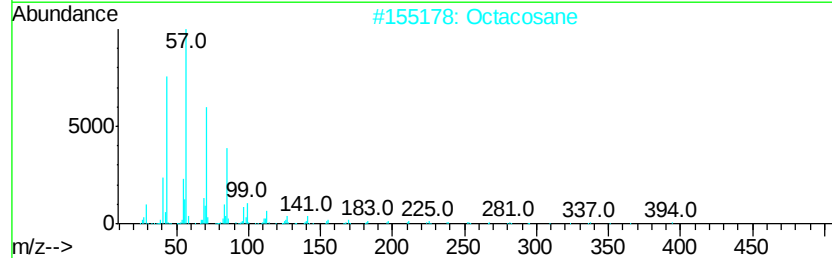
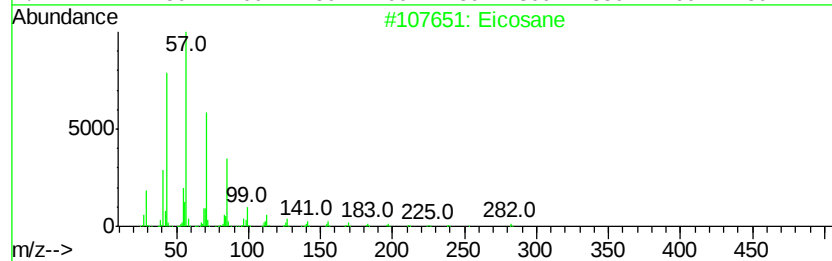
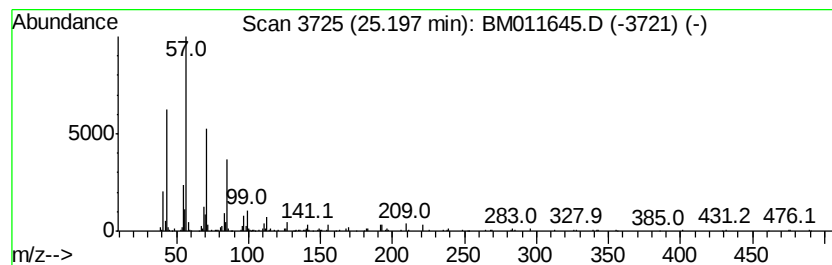
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.20 | 2.96 ng/ul | 587818 | Perylene-d12     | 23.87 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane               | 282 | C20H42  | 000112-95-8 | 81   |
| 2    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 80   |
| 3    |    | Heptacosane            | 380 | C27H56  | 000593-49-7 | 74   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 72   |
| 5    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 72   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM092017\  
Data File : BM011645.D  
Acq On : 20 Sep 2017 19:47  
Operator : SJ/JU  
Sample : I5271-19DL 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ5DL

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-chloro... | 11.37 | 13.8    | ng/ul | 1760160  | 2                     | 10.77 | 2546960 | 20.0 |
| Benzene, 1-chloro... | 11.58 | 3.7     | ng/ul | 475989   | 2                     | 10.77 | 2546960 | 20.0 |
| (DEL) Alkane: Str... | 24.40 | 2.8     | ng/ul | 555169   | 6                     | 23.87 | 3972630 | 20.0 |
| (DEL) Alkane: Str... | 25.20 | 3.0     | ng/ul | 587818   | 6                     | 23.87 | 3972630 | 20.0 |