

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
 Data File : BF091880.D  
 Acq On : 22 Dec 2016 12:34  
 Operator : UM/SJ  
 Sample : H6200-04  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

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:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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         | 2.475       | 30            | 34          | 53           | rVB      | 269851         | 575813        | 2.25%           | 0.197%        |
| 2         | 2.898       | 67            | 71          | 79           | rBV      | 332276         | 984419        | 3.84%           | 0.336%        |
| 3         | 3.515       | 118           | 125         | 128          | rBV2     | 99420          | 293218        | 1.14%           | 0.100%        |
| 4         | 4.236       | 185           | 188         | 196          | rBV      | 383438         | 762387        | 2.97%           | 0.260%        |
| 5         | 4.807       | 236           | 238         | 242          | rVB      | 249446         | 392430        | 1.53%           | 0.134%        |
| 6         | 4.876       | 242           | 244         | 249          | rBV2     | 258363         | 694871        | 2.71%           | 0.237%        |
| 7         | 5.093       | 261           | 263         | 268          | rBV      | 330444         | 882382        | 3.44%           | 0.301%        |
| 8         | 5.173       | 268           | 270         | 271          | rBV      | 154851         | 286357        | 1.12%           | 0.098%        |
| 9         | 5.218       | 271           | 274         | 278          | rVB2     | 466378         | 885070        | 3.45%           | 0.302%        |
| 10        | 5.298       | 278           | 281         | 284          | rBV2     | 1208952        | 2951288       | 11.52%          | 1.008%        |
| 11        | 5.481       | 295           | 297         | 299          | rBV      | 486708         | 817484        | 3.19%           | 0.279%        |
| 12        | 5.527       | 299           | 301         | 302          | rBV      | 361487         | 307327        | 1.20%           | 0.105%        |
| 13        | 5.561       | 302           | 304         | 308          | rBV2     | 663062         | 1395227       | 5.44%           | 0.476%        |
| 14        | 5.641       | 308           | 311         | 313          | rBV      | 3302875        | 5383144       | 21.00%          | 1.838%        |
| 15        | 5.744       | 318           | 320         | 322          | rVV      | 471918         | 566820        | 2.21%           | 0.194%        |
| 16        | 5.881       | 330           | 332         | 336          | rBV3     | 774426         | 1588591       | 6.20%           | 0.543%        |
| 17        | 5.950       | 336           | 338         | 339          | rBV      | 192004         | 282807        | 1.10%           | 0.097%        |
| 18        | 5.984       | 339           | 341         | 345          | rBV2     | 2009699        | 5299507       | 20.68%          | 1.810%        |
| 19        | 6.041       | 345           | 346         | 356          | rVB3     | 1643964        | 6075477       | 23.70%          | 2.075%        |
| 20        | 6.201       | 356           | 360         | 361          | rBV2     | 1120813        | 2872992       | 11.21%          | 0.981%        |
| 21        | 6.281       | 362           | 367         | 371          | rBV2     | 3385260        | 12813621      | 50.00%          | 4.376%        |
| 22        | 6.350       | 371           | 373         | 378          | rVB3     | 1998351        | 4662464       | 18.19%          | 1.592%        |
| 23        | 6.430       | 378           | 380         | 383          | rVB3     | 716247         | 1431213       | 5.58%           | 0.489%        |
| 24        | 6.521       | 383           | 388         | 391          | rBV3     | 1179028        | 4117469       | 16.07%          | 1.406%        |
| 25        | 6.601       | 391           | 395         | 399          | rBV2     | 8008420        | 25629607      | 100.00%         | 8.753%        |
| 26        | 6.784       | 409           | 411         | 412          | rBV      | 2212570        | 3275219       | 12.78%          | 1.119%        |
| 27        | 6.910       | 420           | 422         | 429          | rVB3     | 1811434        | 5466966       | 21.33%          | 1.867%        |
| 28        | 7.047       | 432           | 434         | 435          | rBV2     | 1901153        | 3078348       | 12.01%          | 1.051%        |
| 29        | 7.082       | 435           | 437         | 438          | rBV      | 1798143        | 2412407       | 9.41%           | 0.824%        |
| 30        | 13.139      | 965           | 967         | 969          | rBV      | 1998049        | 2361030       | 9.21%           | 0.806%        |
| 31        | 13.448      | 992           | 994         | 995          | rBV      | 2365936        | 2743315       | 10.70%          | 0.937%        |
| 32        | 13.642      | 1008          | 1011        | 1015         | rVB      | 4027441        | 7485549       | 29.21%          | 2.556%        |
| 33        | 13.882      | 1029          | 1032        | 1034         | rVV      | 3462212        | 6043751       | 23.58%          | 2.064%        |
| 34        | 13.939      | 1034          | 1037        | 1040         | rVB2     | 4126859        | 8829774       | 34.45%          | 3.016%        |

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Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

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-BF122116.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 35 | 14.202 | 1055 | 1060 | 1062 | rBV  | 6285122 | 14428000 | 56.29% | 4.927% |
| 36 | 14.248 | 1062 | 1064 | 1070 | rVB  | 2488719 | 3257930  | 12.71% | 1.113% |
| 37 | 14.499 | 1082 | 1086 | 1091 | rVB  | 6336154 | 13084292 | 51.05% | 4.469% |
| 38 | 14.705 | 1101 | 1104 | 1107 | rBV  | 5578234 | 11711359 | 45.69% | 4.000% |
| 39 | 14.762 | 1108 | 1109 | 1115 | rVB2 | 2105445 | 3558416  | 13.88% | 1.215% |
| 40 | 15.037 | 1128 | 1133 | 1136 | rBV  | 7339500 | 21504440 | 83.90% | 7.344% |
| 41 | 15.094 | 1136 | 1138 | 1142 | rVB  | 2099944 | 3249727  | 12.68% | 1.110% |
| 42 | 15.391 | 1158 | 1164 | 1168 | rBV3 | 7323736 | 18918947 | 73.82% | 6.461% |
| 43 | 15.665 | 1183 | 1188 | 1192 | rVV  | 5277092 | 11882192 | 46.36% | 4.058% |
| 44 | 15.734 | 1192 | 1194 | 1199 | rVB2 | 1282838 | 2640502  | 10.30% | 0.902% |
| 45 | 16.111 | 1221 | 1227 | 1231 | rBV  | 5894108 | 15943194 | 62.21% | 5.445% |
| 46 | 16.614 | 1265 | 1271 | 1281 | rVB  | 4469051 | 14546855 | 56.76% | 4.968% |
| 47 | 17.014 | 1302 | 1306 | 1313 | rVB  | 2518160 | 7341115  | 28.64% | 2.507% |
| 48 | 17.700 | 1359 | 1366 | 1374 | rVB  | 3328371 | 11858448 | 46.27% | 4.050% |
| 49 | 18.488 | 1427 | 1435 | 1455 | rVB  | 2244148 | 11242899 | 43.87% | 3.840% |
| 50 | 19.106 | 1485 | 1489 | 1501 | rVB  | 1002803 | 3992598  | 15.58% | 1.364% |

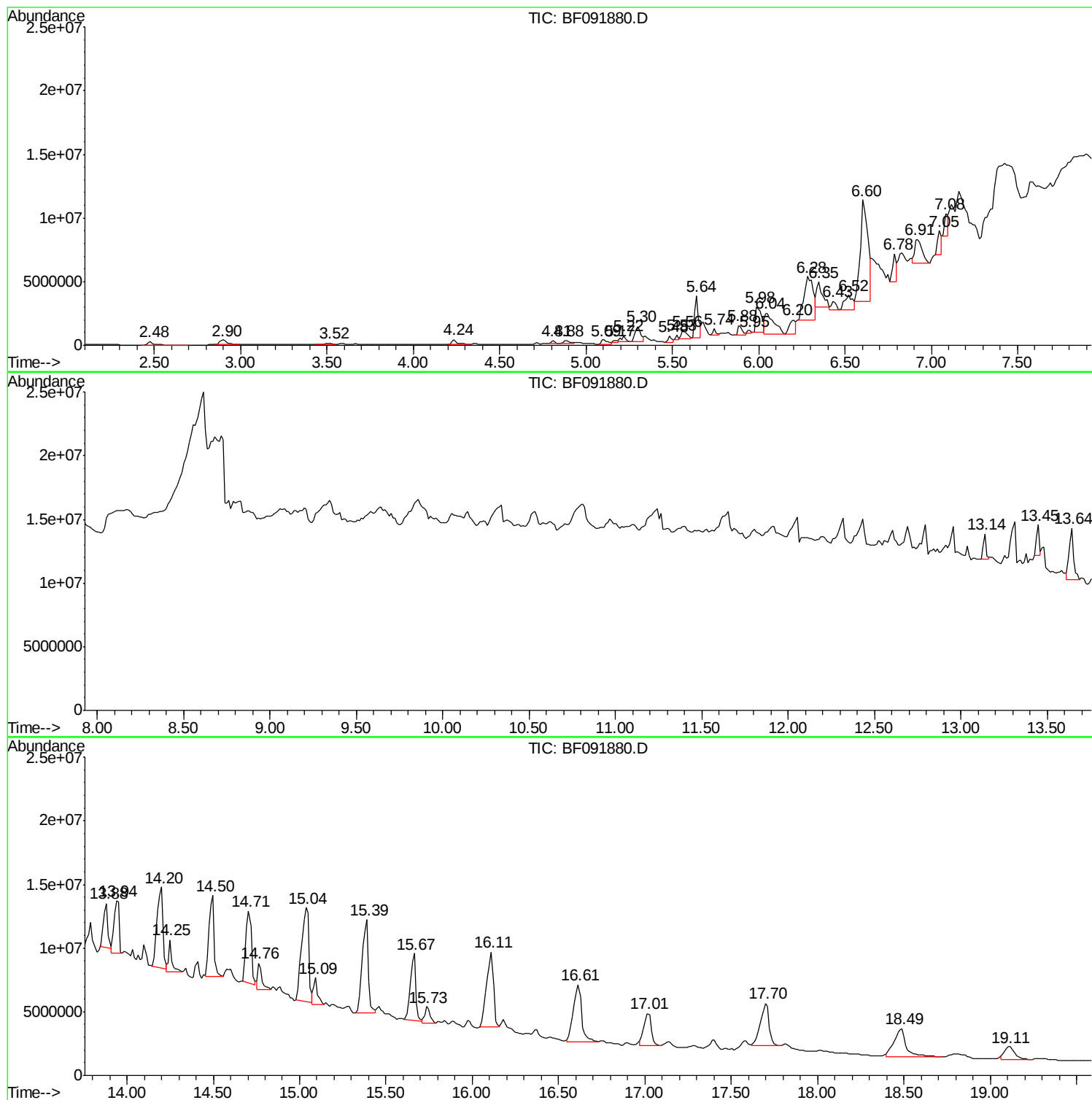
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Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

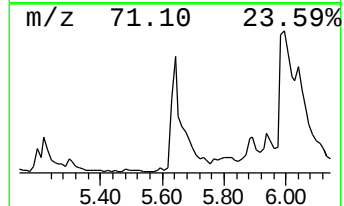
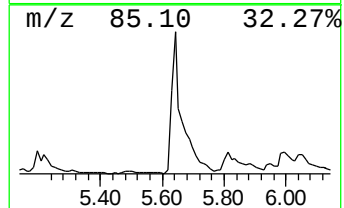
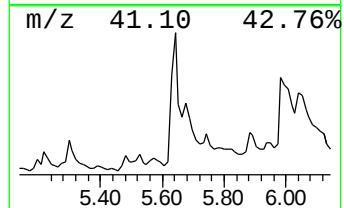
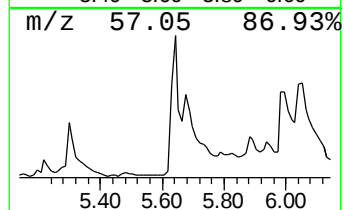
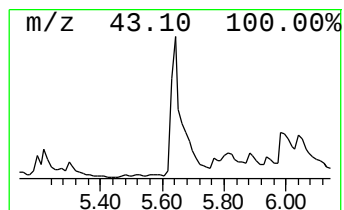
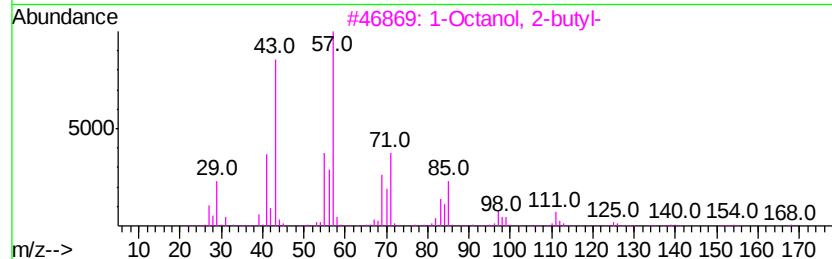
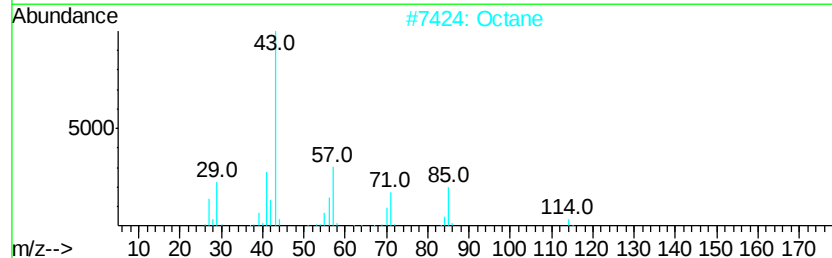
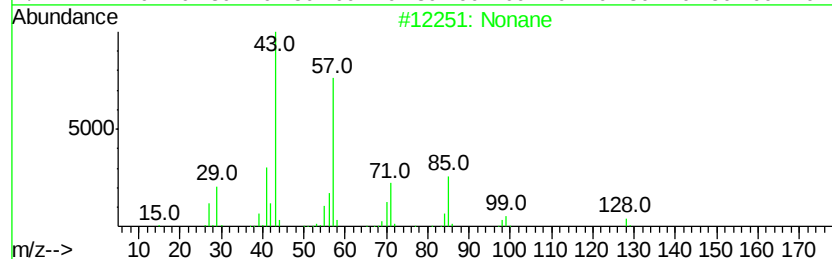
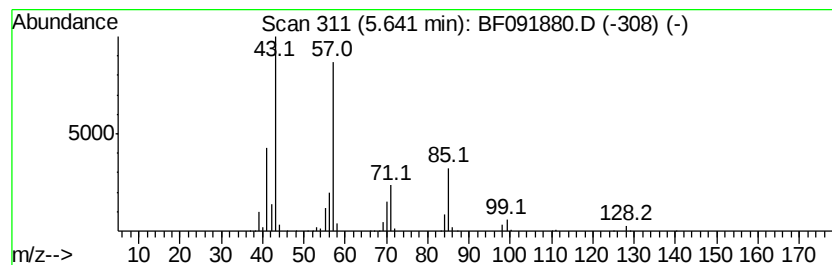
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Nonane Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.64 | 32.87 ng | 5383140 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane              | 128 | C9H20   | 000111-84-2 | 95   |
| 2    |    | Octane              | 114 | C8H18   | 000111-65-9 | 80   |
| 3    |    | 1-Octanol, 2-butyl- | 186 | C12H26O | 003913-02-8 | 72   |
| 4    |    | Decane              | 142 | C10H22  | 000124-18-5 | 64   |
| 5    |    | Octane, 4-methyl-   | 128 | C9H20   | 002216-34-4 | 59   |



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Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

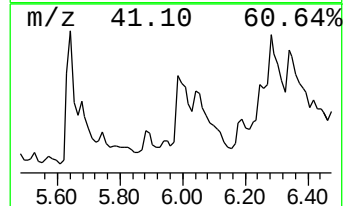
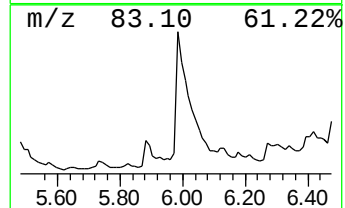
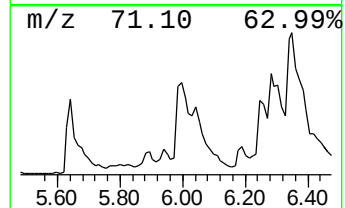
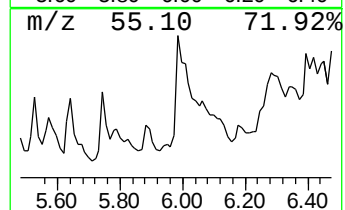
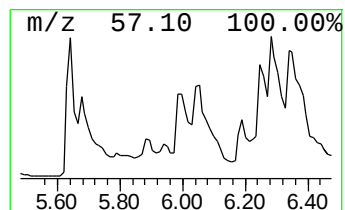
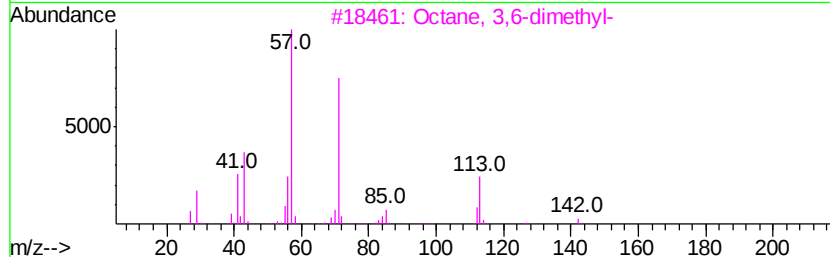
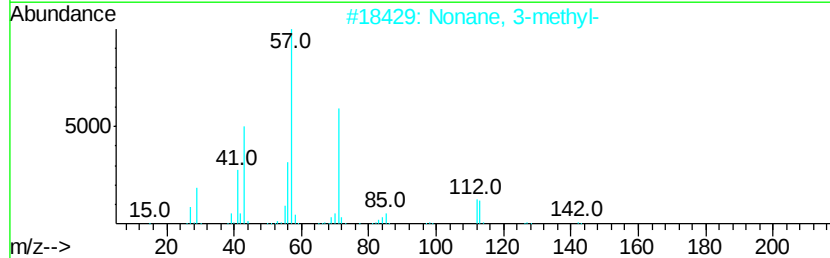
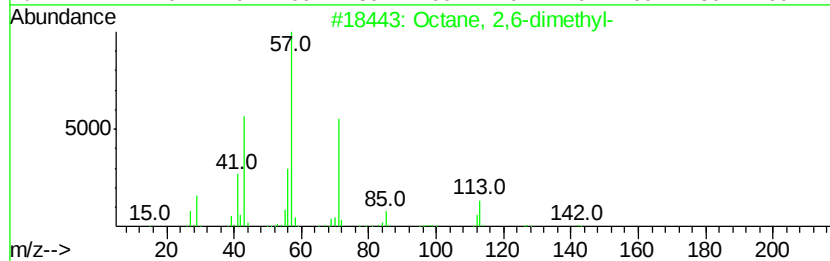
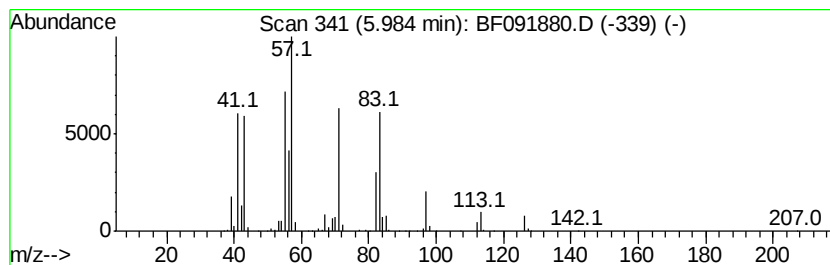
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown5.98 Concentration Rank 7

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.98 | 32.36 ng | 5299510 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 2,6-dimethyl- | 142 | C10H22  | 002051-30-1 | 49   |
| 2    |    | Nonane, 3-methyl-     | 142 | C10H22  | 005911-04-6 | 46   |
| 3    |    | Octane, 3,6-dimethyl- | 142 | C10H22  | 015869-94-0 | 35   |
| 4    |    | Cyclohexane, propyl-  | 126 | C9H18   | 001678-92-8 | 25   |
| 5    |    | Octane, 2-bromo-      | 192 | C8H17Br | 000557-35-7 | 22   |



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Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

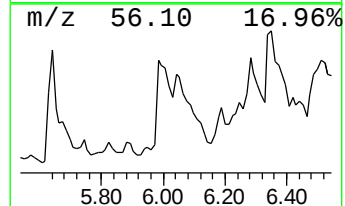
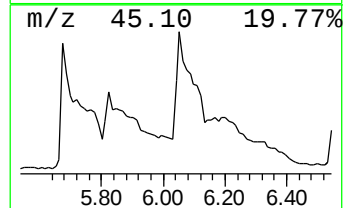
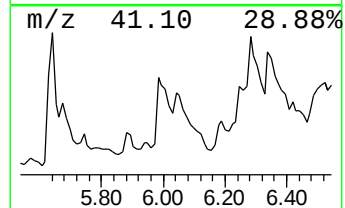
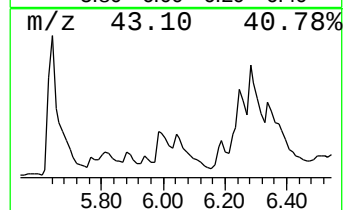
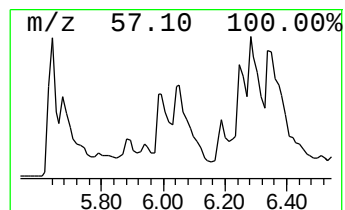
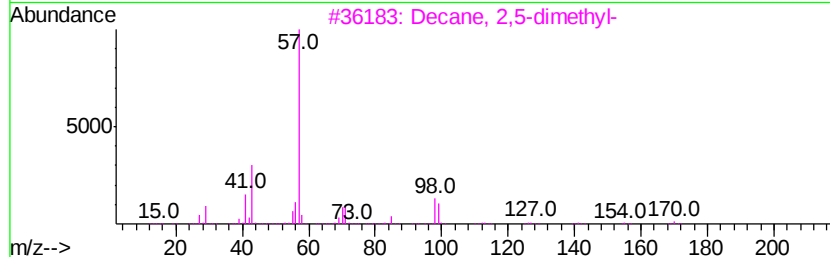
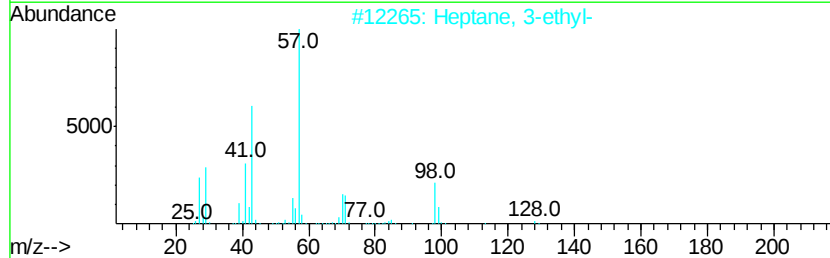
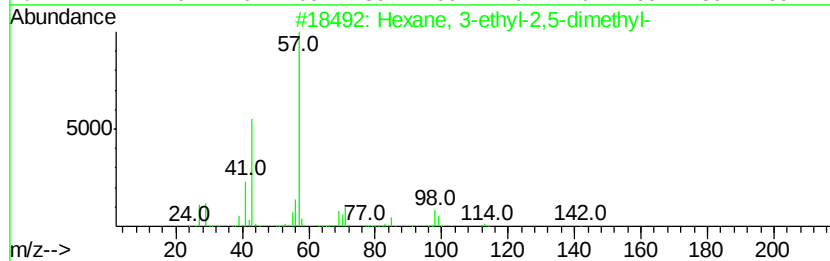
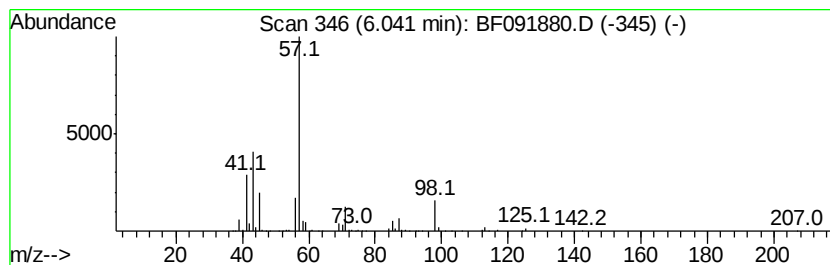
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.04 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.04 | 37.10 ng | 6075480 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 3-ethyl-2,5-dimethyl-       | 142 | C10H22  | 052897-04-8 | 49   |
| 2    |    | Heptane, 3-ethyl-                   | 128 | C9H20   | 015869-80-4 | 38   |
| 3    |    | Decane, 2,5-dimethyl-               | 170 | C12H26  | 017312-50-4 | 38   |
| 4    |    | Heptane, 3-ethyl-2-methyl-          | 142 | C10H22  | 014676-29-0 | 38   |
| 5    |    | Octadecane, 2,2,4,15,17,17-hexam... | 591 | C42H86  | 055470-97-8 | 32   |



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Misc :  
ALS Vial : 58 Sample Multiplier: 1

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ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

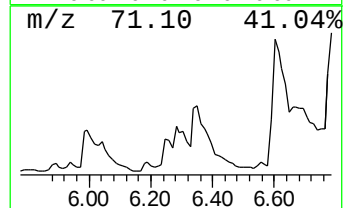
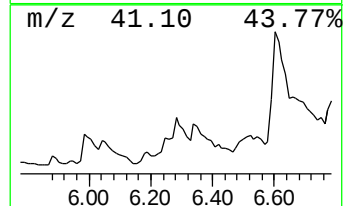
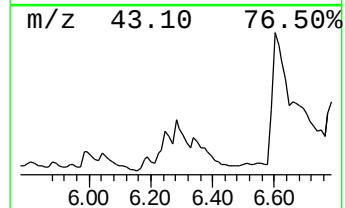
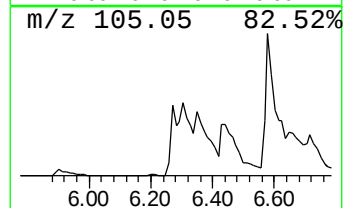
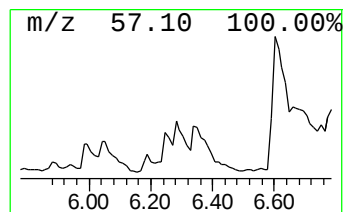
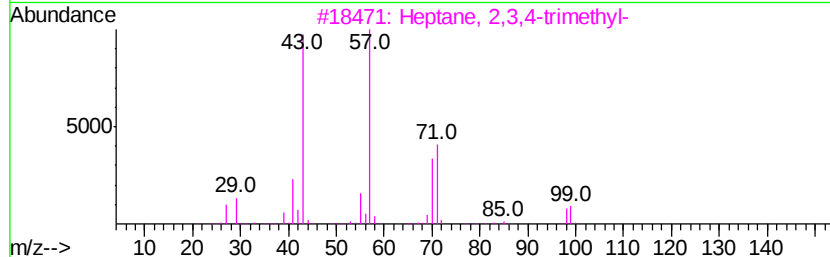
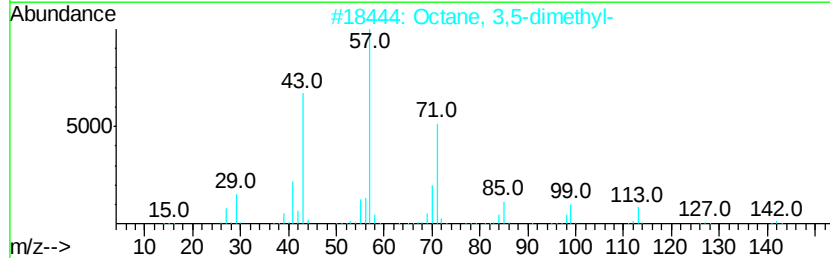
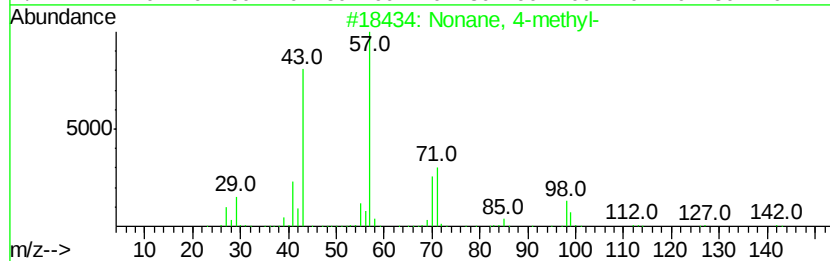
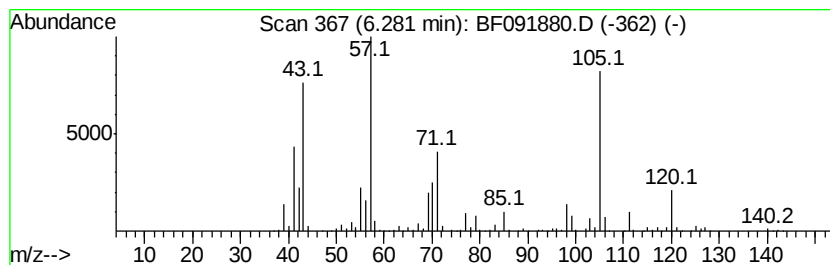
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown6.28 Concentration Rank 2

| R.T. | EstConc  | Area     | Relative to ISTD       | R.T. |
|------|----------|----------|------------------------|------|
| 6.28 | 78.25 ng | 12813600 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Nonane, 4-methyl-             | 142 | C10H22  | 017301-94-9 | 43   |
| 2    |    |   | Octane, 3,5-dimethyl-         | 142 | C10H22  | 015869-93-9 | 38   |
| 3    |    |   | Heptane, 2,3,4-trimethyl-     | 142 | C10H22  | 052896-95-4 | 38   |
| 4    |    |   | Undecane, 2,6-dimethyl-       | 184 | C13H28  | 017301-23-4 | 38   |
| 5    |    |   | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20   | 007154-79-2 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

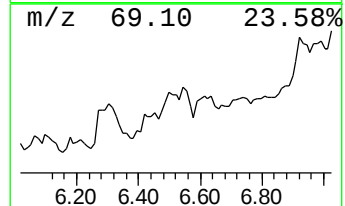
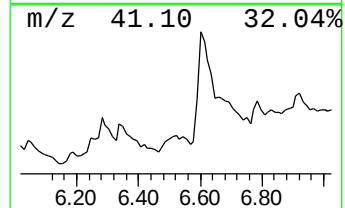
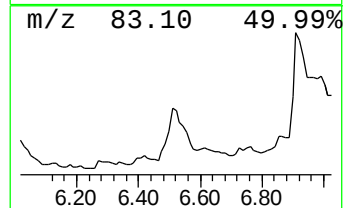
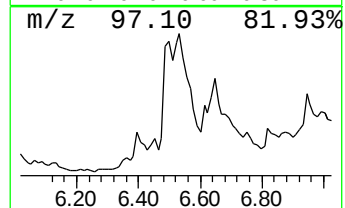
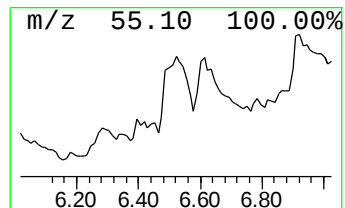
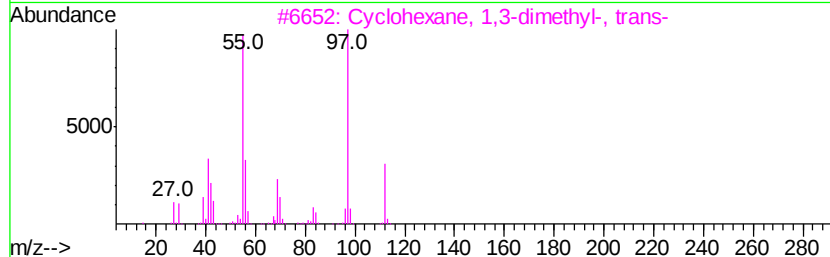
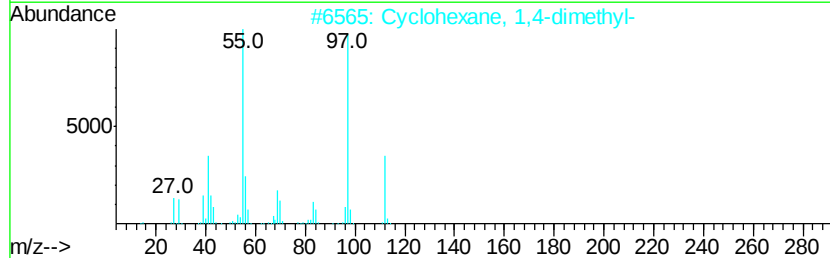
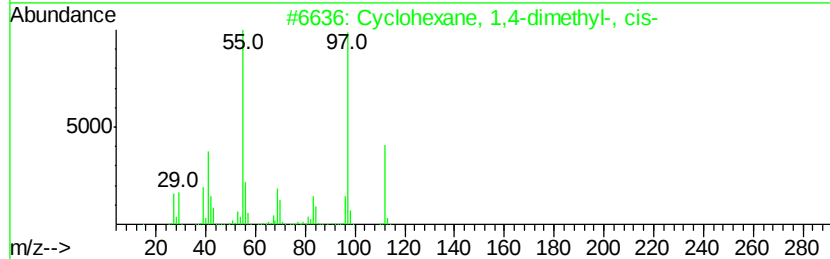
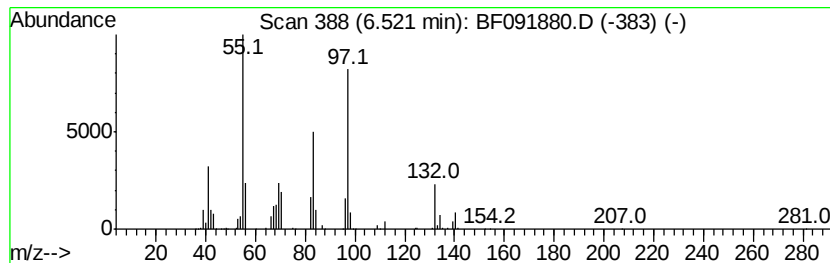
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.52 | 25.14 ng | 4117470 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,4-dimethyl-, cis-   | 112 | C8H16   | 000624-29-3 | 70   |
| 2    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 62   |
| 3    |    | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 52   |
| 4    |    | Cyclohexane, 1-methyl-2-propyl-    | 140 | C10H20  | 004291-79-6 | 49   |
| 5    |    | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 49   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

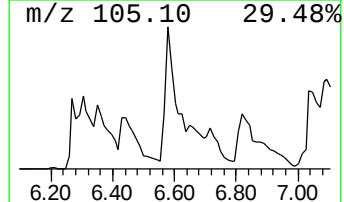
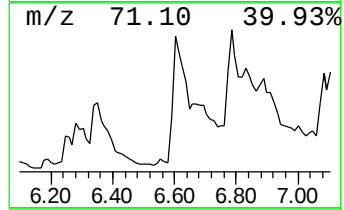
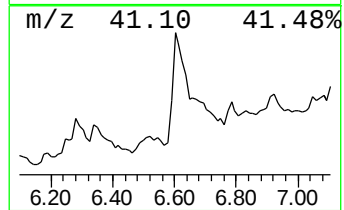
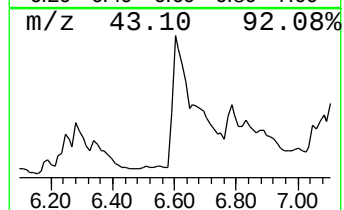
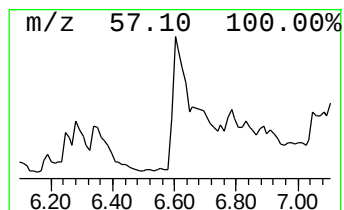
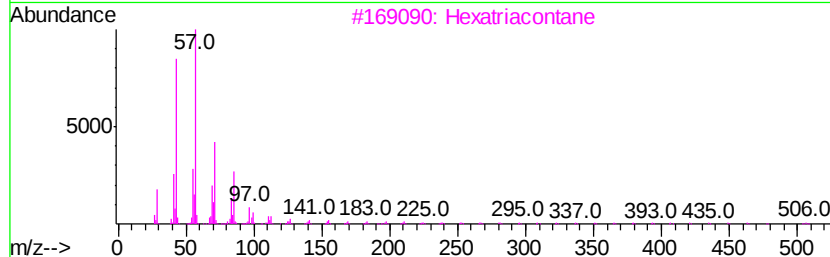
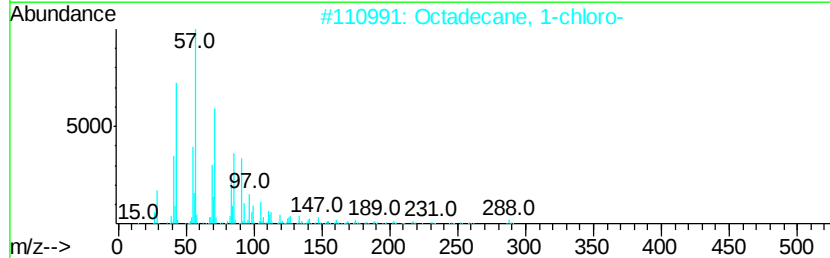
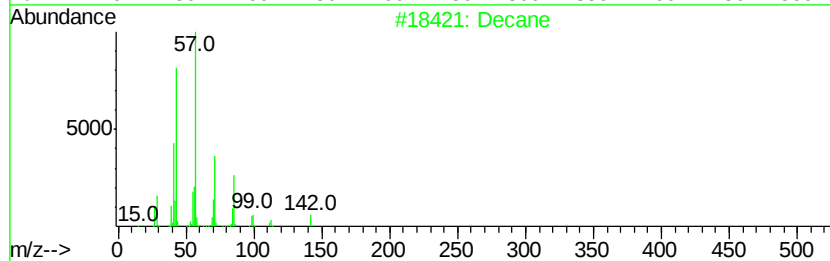
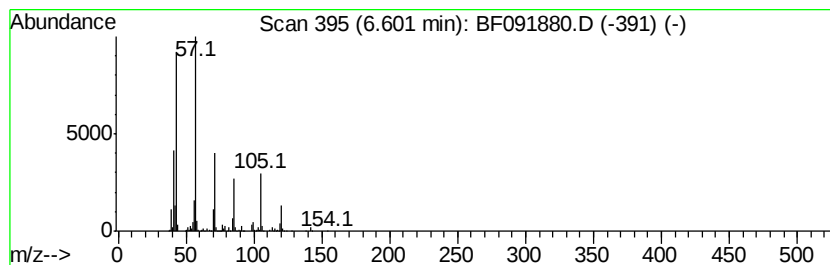
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Decane Concentration Rank 1

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 6.60 | 156.51 ng | 25629600 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|-----------------------|--------------|-----|----------|-------------|------|
| 1       | Decane                |              | 142 | C10H22   | 000124-18-5 | 93   |
| 2       | Octadecane, 1-chloro- |              | 288 | C18H37Cl | 003386-33-2 | 64   |
| 3       | Hexatriacontane       |              | 507 | C36H74   | 000630-06-8 | 59   |
| 4       | Dotriacontane         |              | 451 | C32H66   | 000544-85-4 | 59   |
| 5       | Hexadecane            |              | 226 | C16H34   | 000544-76-3 | 59   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

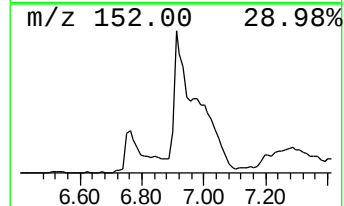
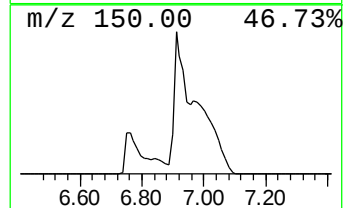
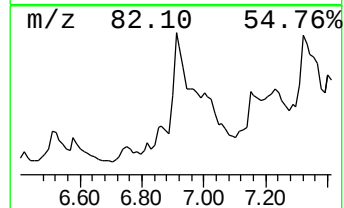
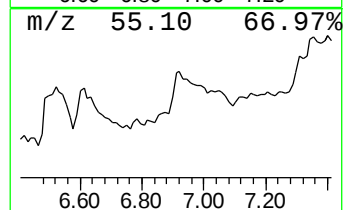
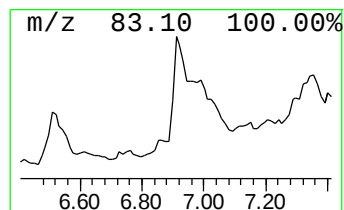
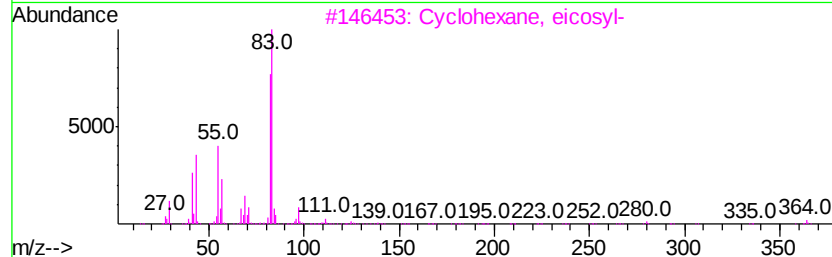
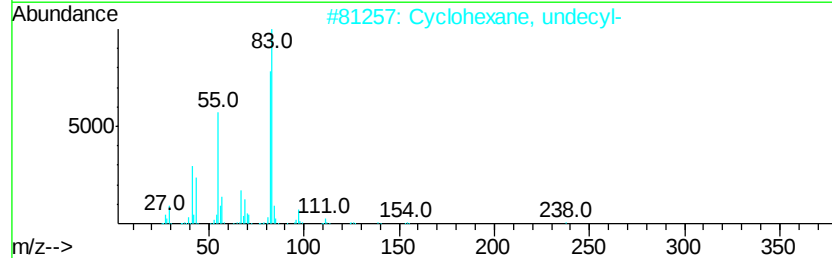
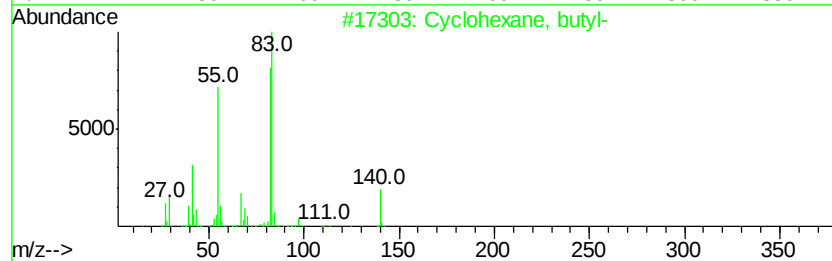
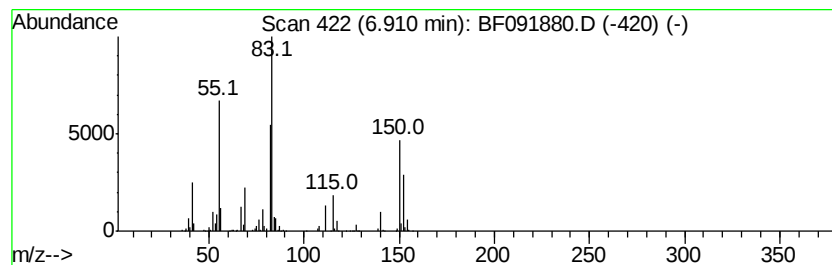
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclohexane, butyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.91 | 33.38 ng | 5466970 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, butyl-   | 140 | C10H20  | 001678-93-9 | 60   |
| 2    |    | Cyclohexane, undecyl- | 238 | C17H34  | 054105-66-7 | 43   |
| 3    |    | Cyclohexane, eicosyl- | 364 | C26H52  | 004443-55-4 | 43   |
| 4    |    | Cyclohexane, octyl-   | 196 | C14H28  | 001795-15-9 | 43   |
| 5    |    | Cyclohexane, propyl-  | 126 | C9H18   | 001678-92-8 | 43   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

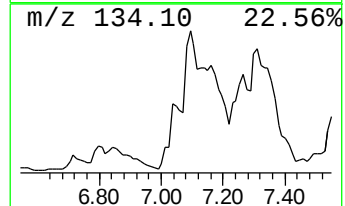
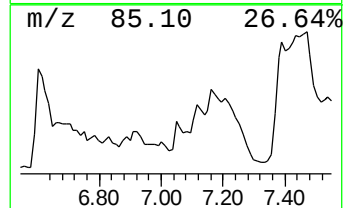
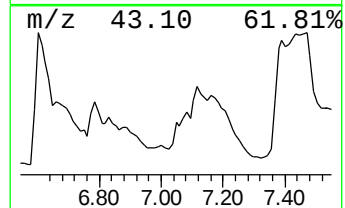
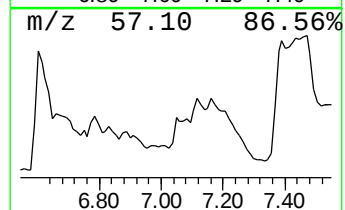
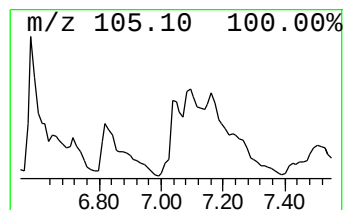
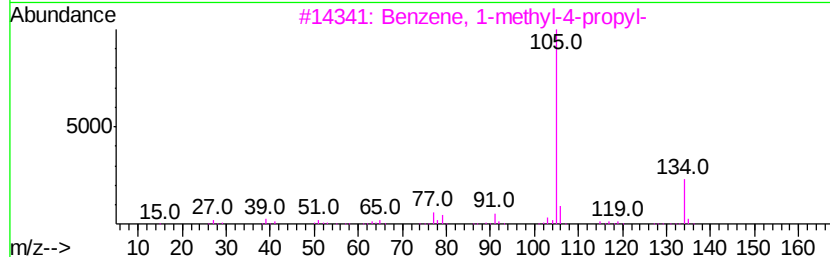
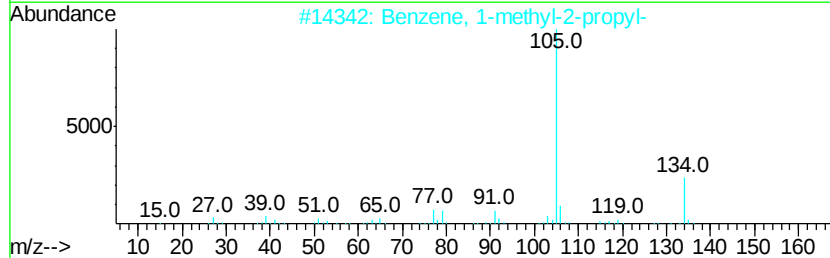
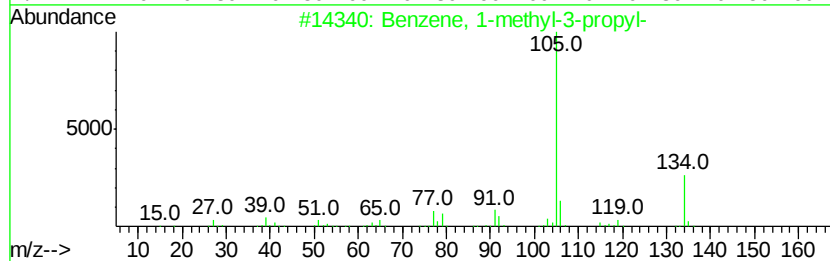
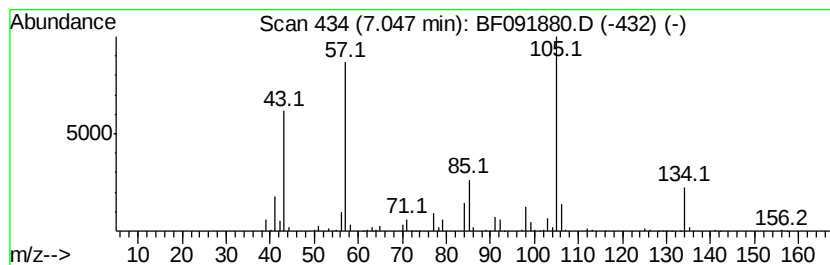
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown7.05 Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.05 | 18.80 ng | 3078350 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-3-propyl-    | 134 | C10H14  | 001074-43-7 | 46   |
| 2    |    | Benzene, 1-methyl-2-propyl-    | 134 | C10H14  | 001074-17-5 | 41   |
| 3    |    | Benzene, 1-methyl-4-propyl-    | 134 | C10H14  | 001074-55-1 | 41   |
| 4    |    | 2-Indanol                      | 134 | C9H10O  | 004254-29-9 | 35   |
| 5    |    | Pentane, 3-ethyl-2,3-dimethyl- | 128 | C9H20   | 016747-33-4 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

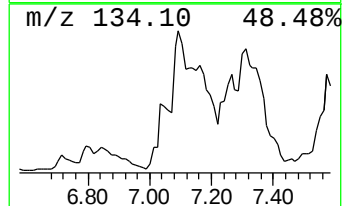
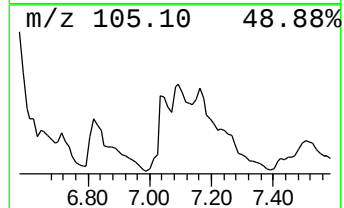
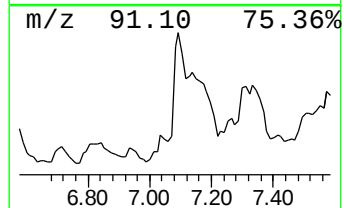
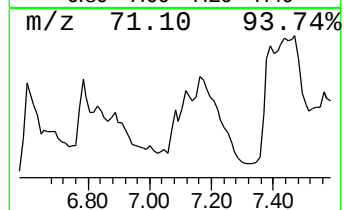
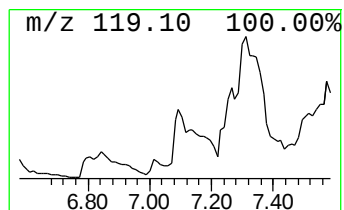
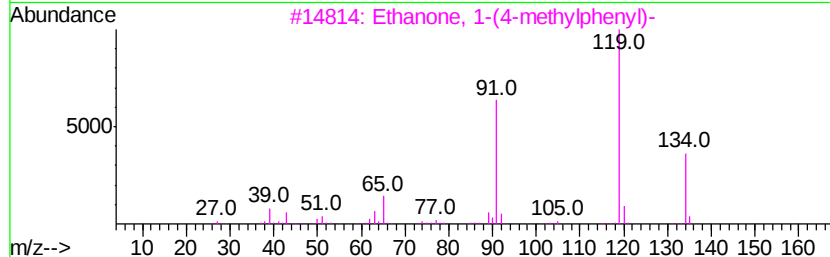
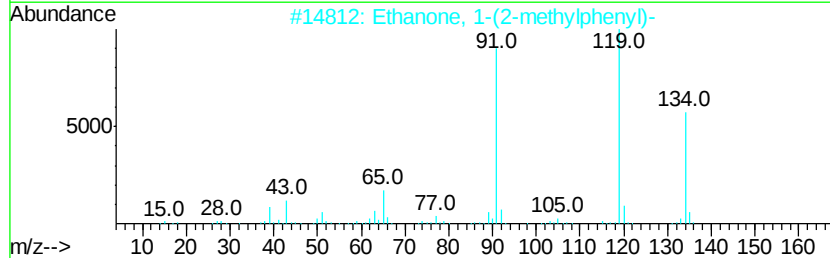
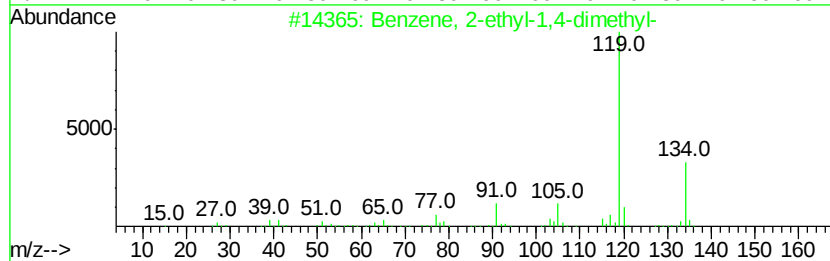
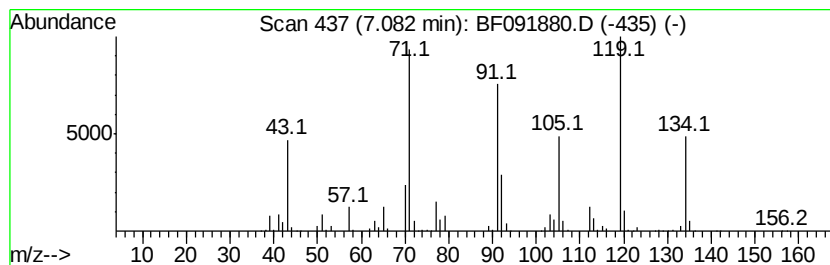
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.08 | 14.73 ng | 2412410 | 1,4-Dichlorobenzene-d4 | 6.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 55   |
| 2    |    | Ethanone, 1-(2-methylphenyl)-       | 134 | C9H10O  | 000577-16-2 | 49   |
| 3    |    | Ethanone, 1-(4-methylphenyl)-       | 134 | C9H10O  | 000122-00-9 | 46   |
| 4    |    | 1,3,8-p-Menthatriene                | 134 | C10H14  | 021195-59-5 | 46   |
| 5    |    | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14  | 062338-57-2 | 46   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

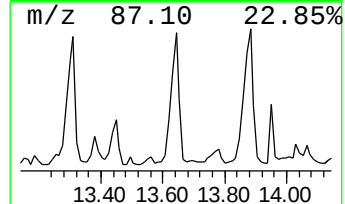
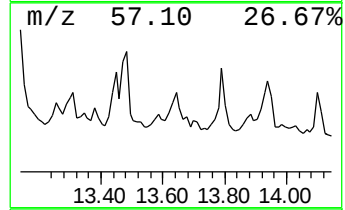
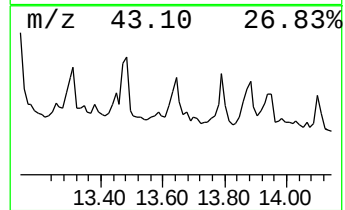
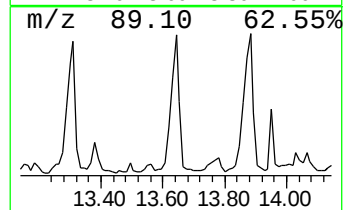
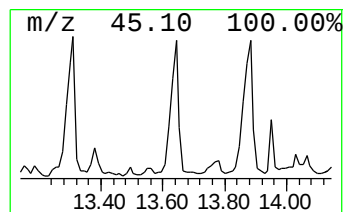
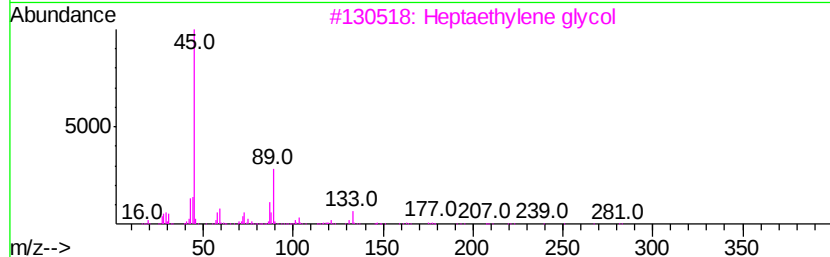
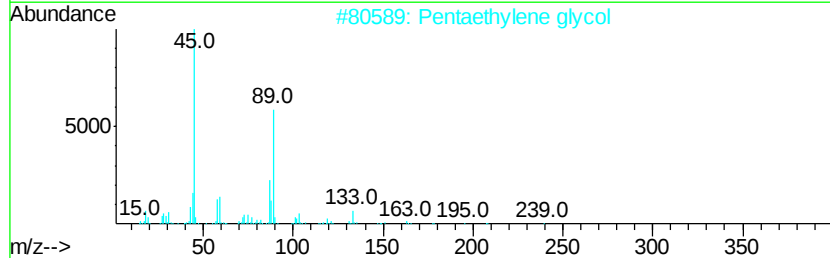
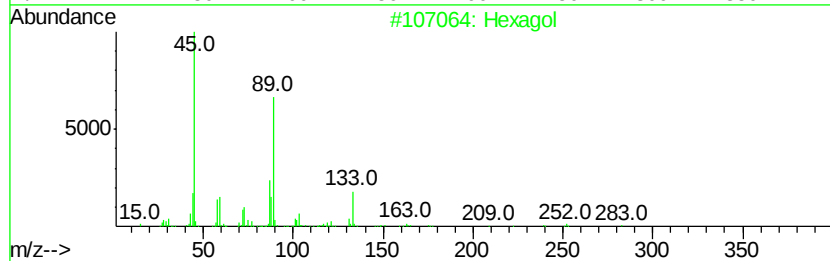
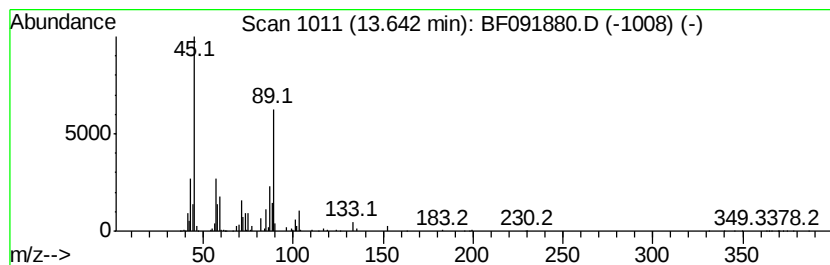
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Hexagol Concentration Rank 13

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.64 | 16.96 ng | 7485550 | Chrysene-d12     | 13.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexagol                             | 282 | C12H26O7 | 002615-15-8 | 87   |
| 2    |    | Pentaethylene glycol                | 238 | C10H22O6 | 004792-15-8 | 86   |
| 3    |    | Heptaethylene glycol                | 326 | C14H30O8 | 005617-32-3 | 78   |
| 4    |    | Pentaethylene glycol monododecyl... | 406 | C22H46O6 | 003055-95-6 | 72   |
| 5    |    | Ethanol, 2,2'-[oxybis(2,1-ethane... | 194 | C8H18O5  | 000112-60-7 | 64   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

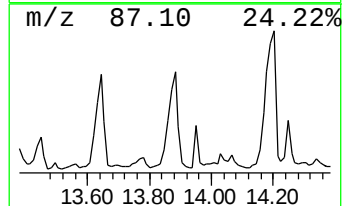
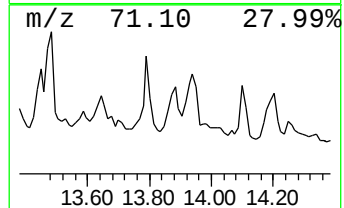
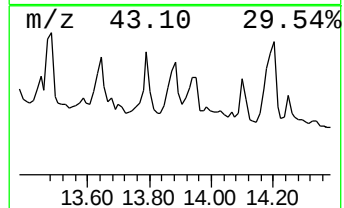
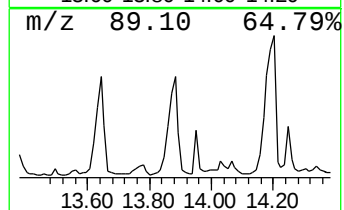
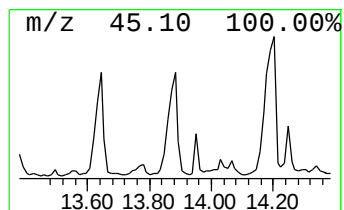
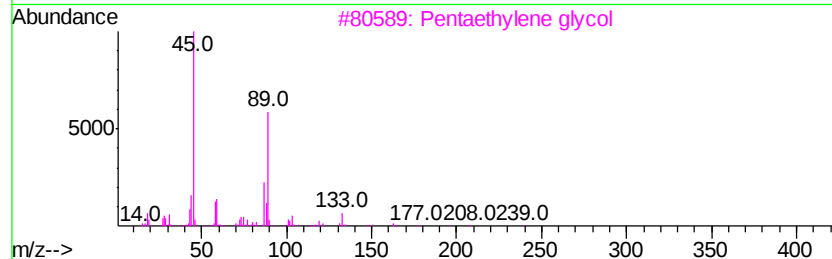
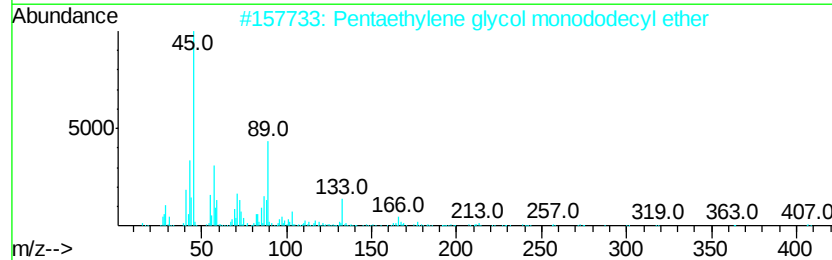
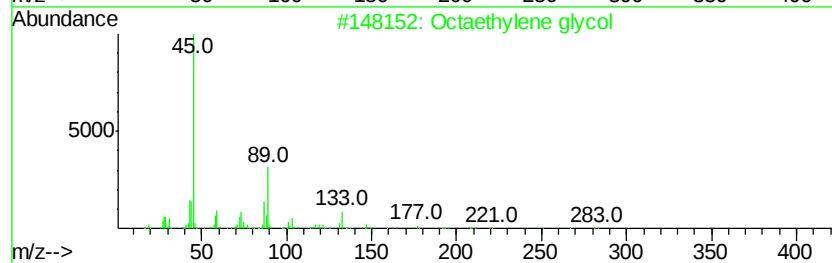
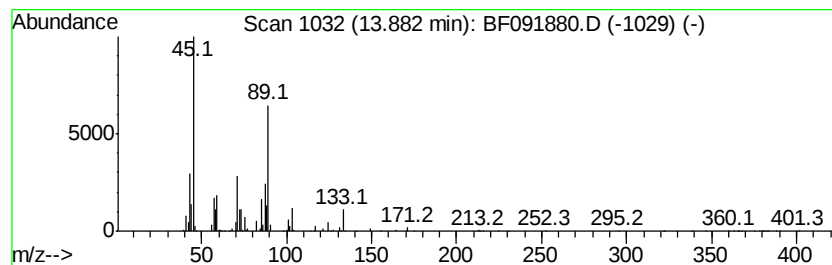
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.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 12 Octaethylene glycol Concentration Rank 17

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.            |
|---------|----------|-------------------------------------|------------------|-----------------|
| 13.88   | 13.69 ng | 6043750                             | Chrysene-d12     | 13.94           |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |          | Octaethylene glycol                 | 370 C16H34O9     | 1000289-34-2 80 |
| 2       |          | Pentaethylene glycol monododecyl... | 406 C22H46O6     | 003055-95-6 64  |
| 3       |          | Pentaethylene glycol                | 238 C10H22O6     | 004792-15-8 59  |
| 4       |          | Hexaethylene glycol monododecyl ... | 450 C24H50O7     | 003055-96-7 56  |
| 5       |          | 1,4,7,10,13,16-Hexaoxacyclooctad... | 264 C12H24O6     | 017455-13-9 53  |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\  
Data File : BF091880.D  
Acq On : 22 Dec 2016 12:34  
Operator : UM/SJ  
Sample : H6200-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

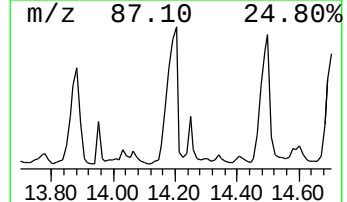
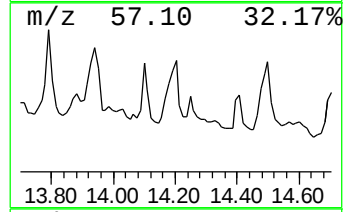
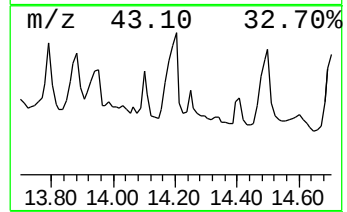
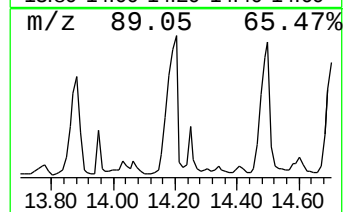
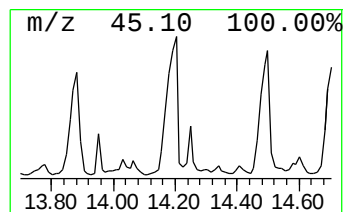
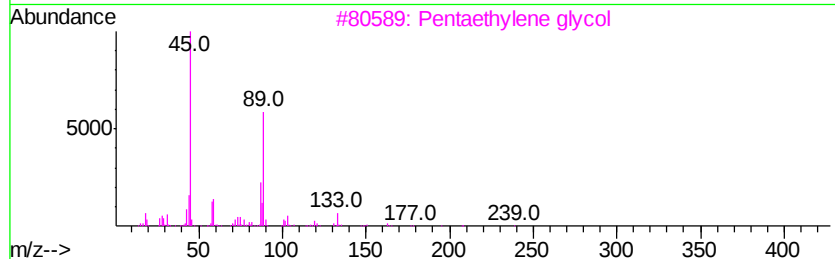
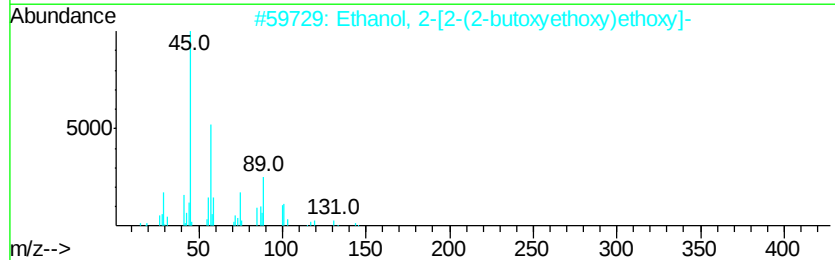
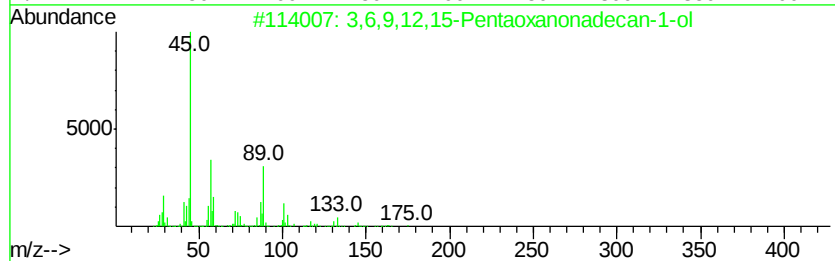
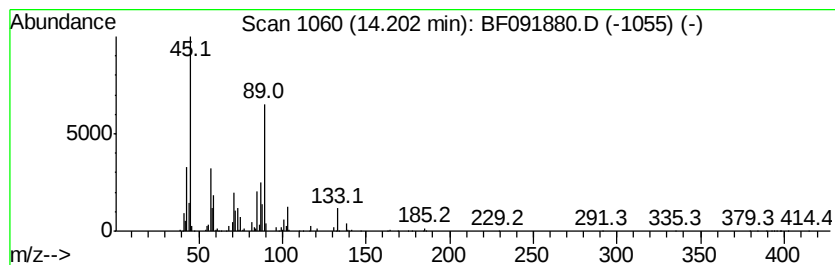
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 3,6,9,12,15-Pentaoxanonadec... Concentration Rank 6

| R.T.  | EstConc  | Area     | Relative to ISTD | R.T.  |
|-------|----------|----------|------------------|-------|
| 14.20 | 32.68 ng | 14428000 | Chrysene-d12     | 13.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3,6,9,12,15-Pentaoxanonadecan-1-ol  | 294 | C14H30O6 | 001786-94-3 | 64   |
| 2    |    | Ethanol, 2-[2-(2-butoxyethoxy)et... | 206 | C10H22O4 | 000143-22-6 | 64   |
| 3    |    | Pentaethylene glycol                | 238 | C10H22O6 | 004792-15-8 | 58   |
| 4    |    | Hexaethylene glycol monododecyl ... | 450 | C24H50O7 | 003055-96-7 | 53   |
| 5    |    | 15-Crown-5                          | 220 | C10H20O5 | 033100-27-5 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122216\  
 Data File : BF091880.D  
 Acq On : 22 Dec 2016 12:34  
 Operator : UM/SJ  
 Sample : H6200-04  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-WATER-COMP

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Nonane               | 5.64  | 32.9    | ng    | 5383140  | 1                     | 6.76  | 3275220 | 20.0 |
| unknown5.98          | 5.98  | 32.4    | ng    | 5299510  | 1                     | 6.76  | 3275220 | 20.0 |
| unknown6.04          | 6.04  | 37.1    | ng    | 6075480  | 1                     | 6.76  | 3275220 | 20.0 |
| unknown6.28          | 6.28  | 78.3    | ng    | 12813600 | 1                     | 6.76  | 3275220 | 20.0 |
| Cyclohexane, 1,4-... | 6.52  | 25.1    | ng    | 4117470  | 1                     | 6.76  | 3275220 | 20.0 |
| Decane               | 6.60  | 156.5   | ng    | 25629600 | 1                     | 6.76  | 3275220 | 20.0 |
| Cyclohexane, butyl-  | 6.91  | 33.4    | ng    | 5466970  | 1                     | 6.76  | 3275220 | 20.0 |
| unknown7.05          | 7.05  | 18.8    | ng    | 3078350  | 1                     | 6.76  | 3275220 | 20.0 |
| Benzene, 2-ethyl-... | 7.08  | 14.7    | ng    | 2412410  | 1                     | 6.76  | 3275220 | 20.0 |
| Hexagol              | 13.64 | 17.0    | ng    | 7485550  | 5                     | 13.94 | 8829770 | 20.0 |
| Octaethylene glycol  | 13.88 | 13.7    | ng    | 6043750  | 5                     | 13.94 | 8829770 | 20.0 |
| 3,6,9,12,15-Penta... | 14.20 | 32.7    | ng    | 14428000 | 5                     | 13.94 | 8829770 | 20.0 |