

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\  
 Data File : BF116691.D  
 Acq On : 31 Aug 2019 11:35  
 Operator : HP/JU  
 Sample : K4517-15MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

Manual Integrations  
 APPROVED

mohammad  
 9/5/2019 9:23:11 AM

Quant Time: Aug 31 17:22:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 104176   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 421466   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 222618   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.36 | 188  | 377815   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 284885   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.45 | 264  | 287671   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 796003  | 123.79 | ng | 0.00 |
| 7) Phenol-d6             | 6.48  | 99  | 1116439 | 132.22 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 716434  | 97.04  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 220554  | 148.20 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 887700  | 67.27  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.94 | 244 | 936595  | 60.82  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.61 | 88  | 138038  | 46.502 | ng | 99     |
| 3) Pyridine                    | 3.36 | 79  | 353715  | 41.155 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.30 | 42  | 148630  | 50.360 | ng | 84     |
| 6) Aniline                     | 6.51 | 93  | 423998  | 36.255 | ng | 96     |
| 8) 2-Chlorophenol              | 6.63 | 128 | 385824  | 54.963 | ng | 96     |
| 9) Benzaldehyde                | 6.39 | 77  | 248883  | 44.740 | ng | 98     |
| 10) Phenol                     | 6.49 | 94  | 529135  | 56.592 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93  | 374567  | 51.449 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 390714  | 49.247 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 398297  | 50.426 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 369879  | 50.531 | ng | 97     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 367316  | 53.591 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 413057  | 48.358 | ng | 100    |
| 17) 2-Methylphenol             | 7.10 | 107 | 327816  | 53.347 | ng | 98     |
| 18) Hexachloroethane           | 7.36 | 117 | 152110  | 49.567 | ng | # 89   |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 280900  | 50.524 | ng | 93     |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 395196  | 55.312 | ng | # 87   |
| 22) Acetophenone               | 7.26 | 105 | 533592  | 52.587 | ng | # 95   |
| 24) Nitrobenzene               | 7.43 | 77  | 429706  | 57.228 | ng | 97     |
| 25) Isophorone                 | 7.67 | 82  | 798328  | 53.364 | ng | 100    |
| 26) 2-Nitrophenol              | 7.75 | 139 | 191236  | 68.504 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.78 | 122 | 348091  | 61.742 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 472258  | 51.658 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 312564  | 57.689 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 304542  | 51.822 | ng | 96     |
| 31) Naphthalene                | 8.15 | 128 | 1092784 | 54.527 | ng | 99     |
| 32) Benzoic acid               | 7.87 | 122 | 94462   | 29.674 | ng | 98     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 171755  | 18.827 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 164801  | 51.432 | ng | 98     |
| 35) Caprolactam                | 8.56 | 113 | 118226m | 58.306 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.68 | 107 | 372538  | 59.824 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 738490  | 55.382 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.95 | 142 | 692178  | 54.989 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 268090  | 50.236 | ng | # 97   |

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 T4-S-CMS

Manual Integrations  
 APPROVED

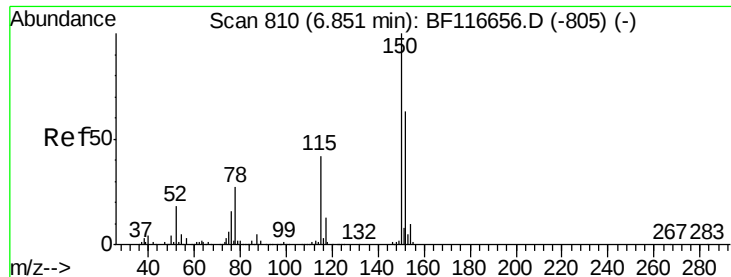
mohammad  
 9/5/2019 9:23:11 AM

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.00  | 237  | 314579   | 102.080 | nq    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 208077   | 56.880  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.16  | 196  | 227787   | 59.978  | nq    | # 91     |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 875393   | 51.821  | nq    | 97       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 688730   | 51.476  | nq    | 99       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 232635   | 60.143  | nq    | 97       |
| 49) Acenaphthylene             | 9.75  | 152  | 1108103  | 54.789  | nq    | 99       |
| 50) Dimethylphthalate          | 9.61  | 163  | 920282   | 59.877  | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 186340   | 63.546  | nq    | 99       |
| 52) Acenaphthene               | 9.92  | 154  | 708232   | 56.992  | nq    | 99       |
| 53) 3-Nitroaniline             | 9.83  | 138  | 150010   | 40.820  | nq    | 85       |
| 54) 2,4-Dinitrophenol          | 9.94  | 184  | 104652   | 98.254  | nq    | 94       |
| 55) Dibenzofuran               | 10.09 | 168  | 964663   | 55.066  | nq    | 97       |
| 56) 4-Nitrophenol              | 10.00 | 139  | 342458   | 135.908 | nq    | 89       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 249353   | 69.543  | nq    | 98       |
| 58) Fluorene                   | 10.43 | 166  | 759186   | 56.875  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.21 | 232  | 170867   | 62.338  | nq    | # 96     |
| 60) Diethylphthalate           | 10.30 | 149  | 828879   | 53.839  | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 316321   | 54.117  | nq    | 91       |
| 62) 4-Nitroaniline             | 10.45 | 138  | 228819   | 64.161  | nq    | 95       |
| 63) Azobenzene                 | 10.59 | 77   | 897797   | 55.926  | nq    | 92       |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 91863    | 63.222  | nq    | 76       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 693885   | 53.090  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.91 | 248  | 197836   | 51.545  | nq    | 94       |
| 68) Hexachlorobenzene          | 10.99 | 284  | 205702   | 51.225  | nq    | 92       |
| 69) Atrazine                   | 11.07 | 200  | 202189   | 55.235  | nq    | 98       |
| 70) Pentachlorophenol          | 11.17 | 266  | 215008   | 110.683 | nq    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 1320692  | 62.796  | nq    | 98       |
| 72) Anthracene                 | 11.45 | 178  | 1186687  | 56.052  | nq    | 100      |
| 73) Carbazole                  | 11.60 | 167  | 1155487  | 57.296  | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.93 | 149  | 1351574  | 52.278  | nq    | 99       |
| 75) Fluoranthene               | 12.58 | 202  | 1471892  | 71.213  | nq    | 98       |
| 77) Benzidine                  | 12.69 | 184  | 489840   | 43.838  | nq    | 100      |
| 78) Pyrene                     | 12.81 | 202  | 1454882  | 57.450  | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 632617   | 51.369  | nq    | 98       |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 1089268  | 60.413  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.95 | 252  | 215838   | 35.423  | nq    | 98       |
| 83) Chrysene                   | 14.03 | 228  | 1095754  | 58.989  | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.98 | 149  | 836147   | 55.002  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.59 | 149  | 1528827  | 61.453  | nq    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.90 | 276  | 951438   | 63.768  | nq    | # 94     |
| 88) Benzo(b)fluoranthene       | 15.03 | 252  | 1106446  | 63.618  | nq    | # 96     |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 810375   | 51.103  | nq    | # 98     |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 911231   | 60.221  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.93 | 278  | 760952   | 57.454  | nq    | # 96     |
| 92) Benzo(g,h,i)perylene       | 17.35 | 276  | 823629   | 60.974  | nq    | # 93     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

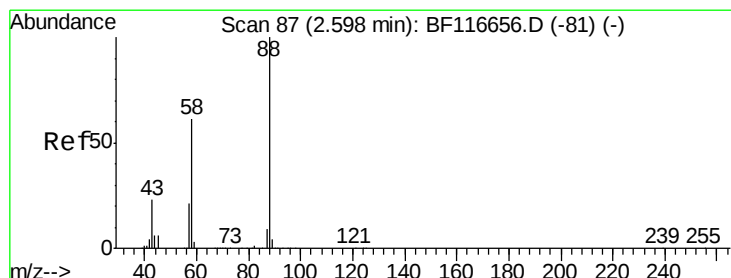
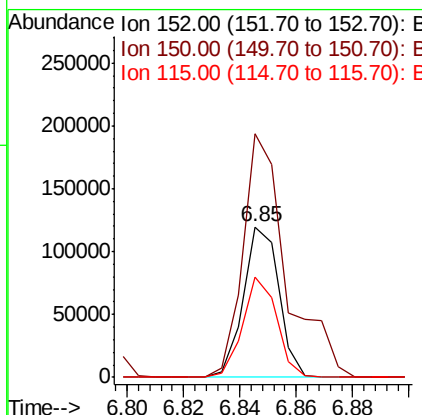
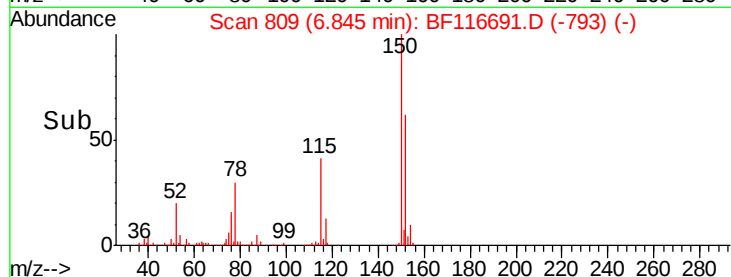
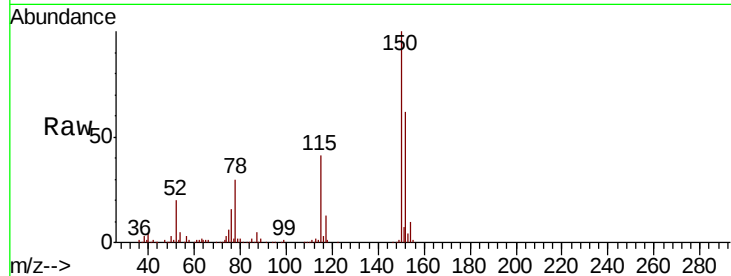
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 162.0 | 124.4 | 186.6 |
| 115     | 67.1  | 49.9  | 74.9  |

Manual Integrations  
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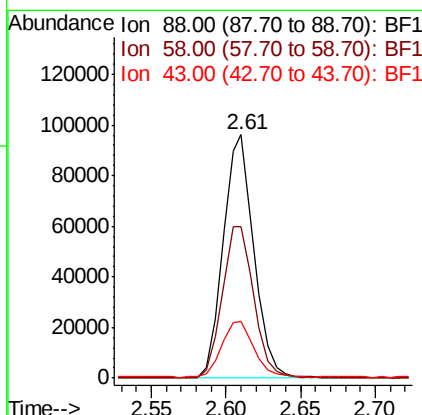
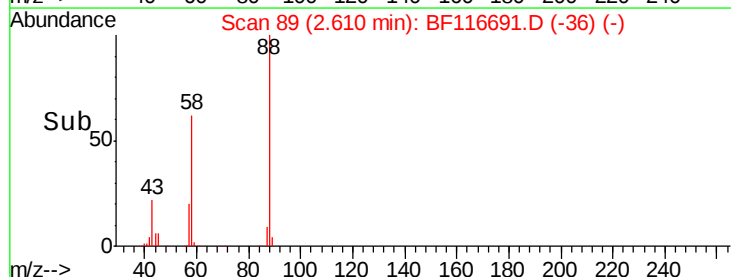
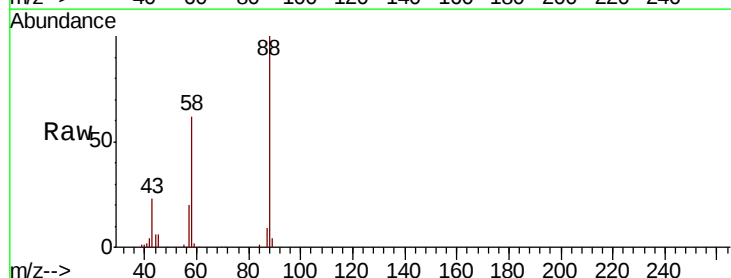
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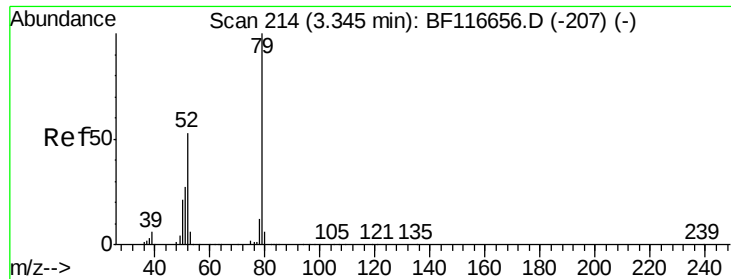


#2

1,4-Dioxane  
Concen: 46.502 ng  
RT: 2.61 min Scan# 89  
Delta R.T. 0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 64.3  | 51.7  | 77.5  |
| 43      | 24.1  | 19.8  | 29.8  |





#3

Pvridine

Concen: 41.155 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.02 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

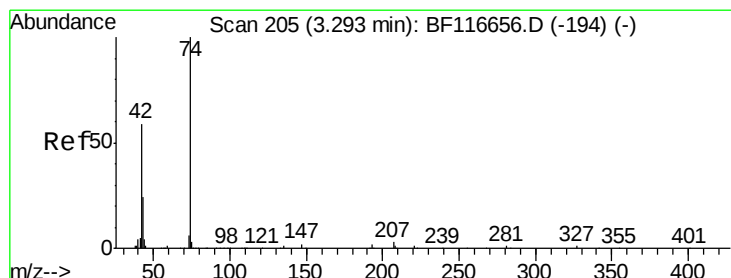
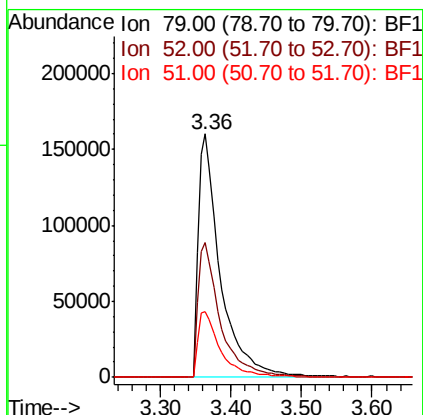
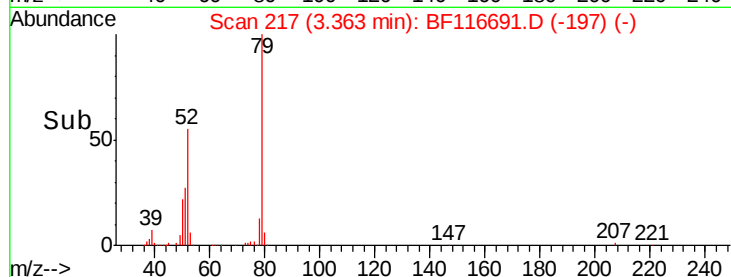
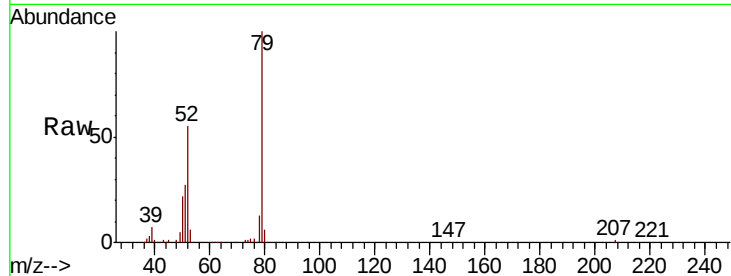
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 353715 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 55.2  | 47.4  | 71.0   |
| 51        | 26.9  | 24.1  | 36.1   |

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#4

n-Nitrosodimethylamine

Concen: 50.360 ng

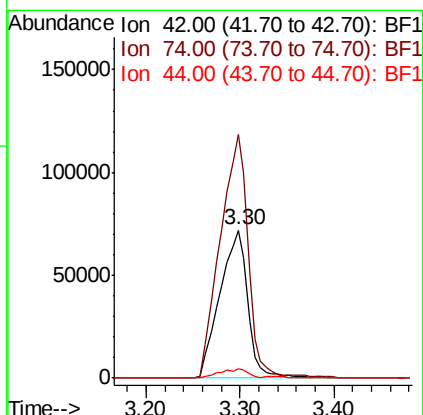
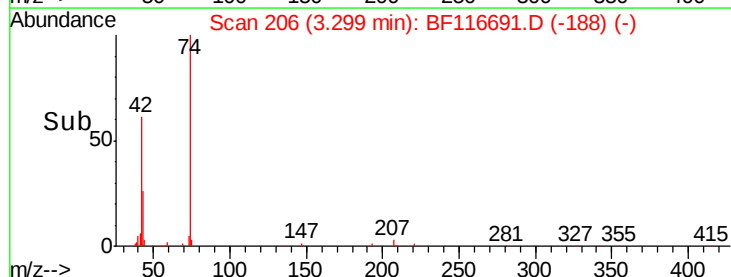
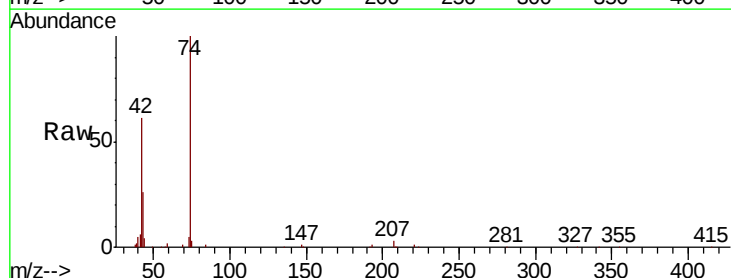
RT: 3.30 min Scan# 206

Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 148630 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 164.6 | 115.6 | 173.4  |
| 44        | 6.1   | 4.6   | 7.0    |





#5

2-Fluorophenol

Concen: 123.788 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

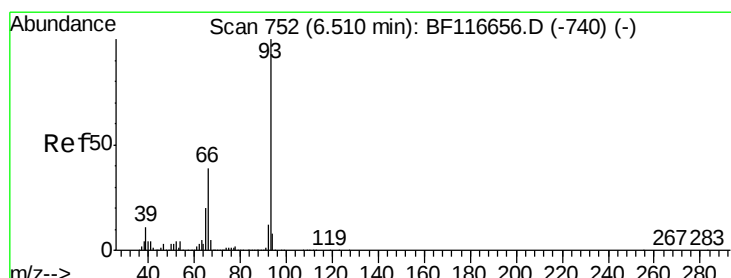
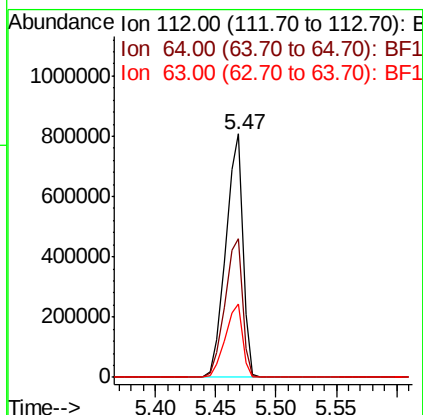
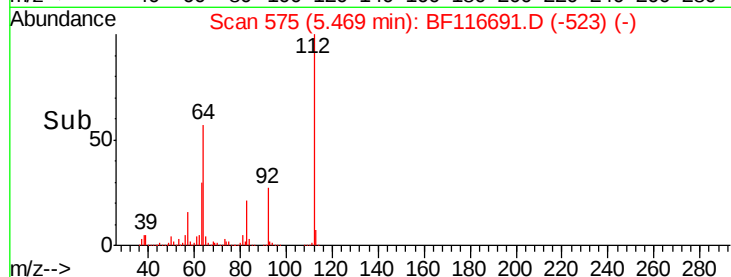
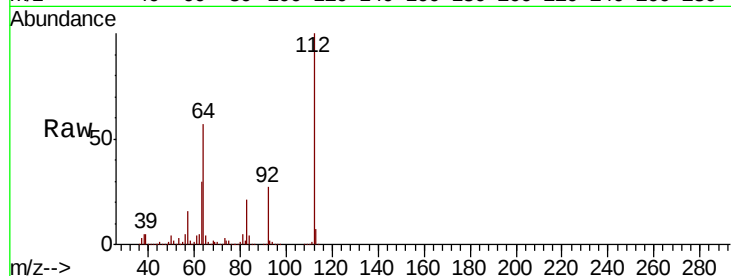
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 796003 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.7  | 47.1  | 70.7   |
| 63        | 30.0  | 24.9  | 37.3   |

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#6

Aniline

Concen: 36.255 ng

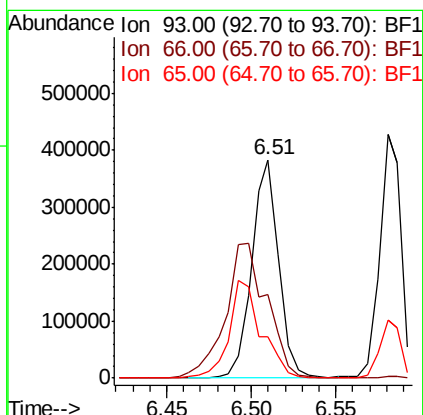
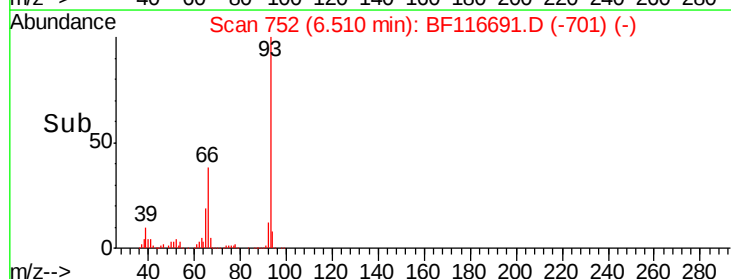
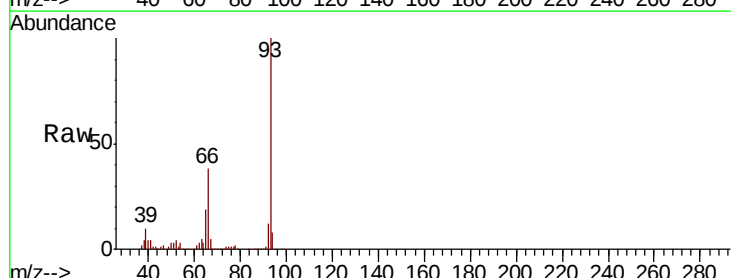
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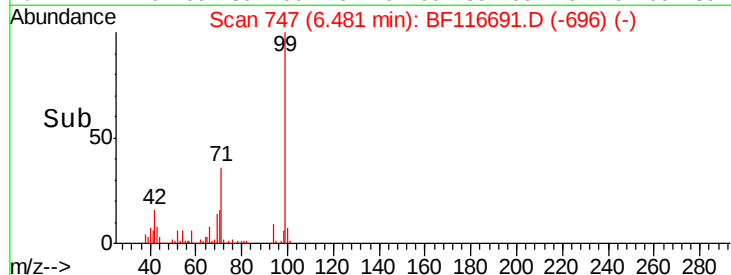
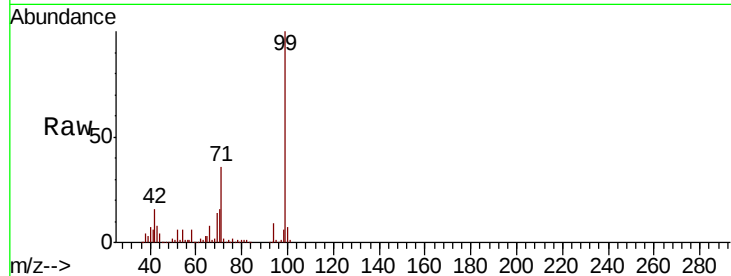
Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 423998 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.2  | 32.7  | 49.1   |
| 65        | 19.2  | 16.3  | 24.5   |





#7

Phenol-d6

Concen: 132.220 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Tot Ion: 99 Resp: 1116439

Ion Ratio Lower Upper

99 100

42 16.2 13.7 20.5

71 36.1 30.8 46.2

Instrument :

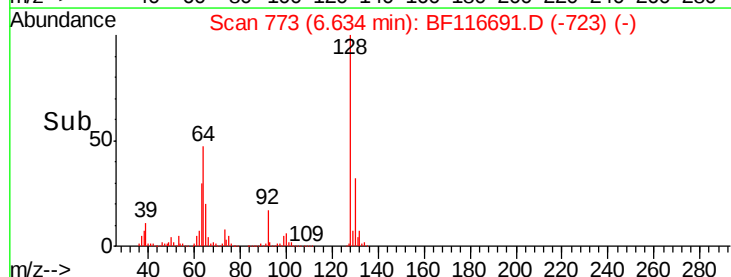
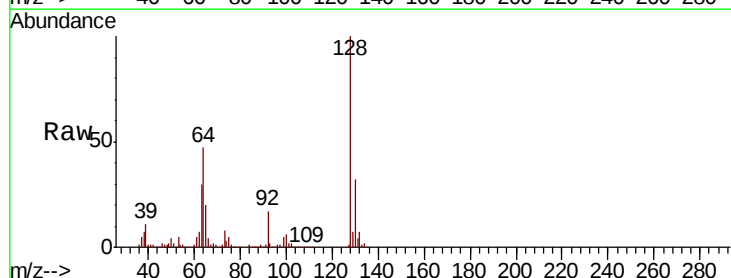
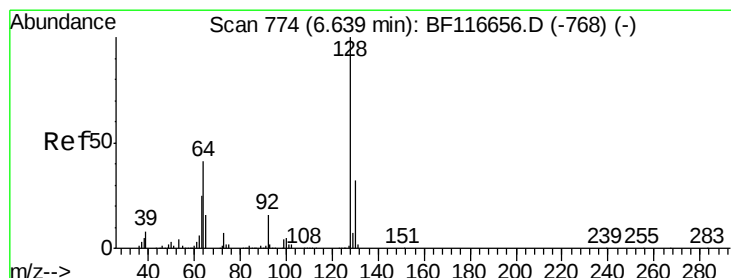
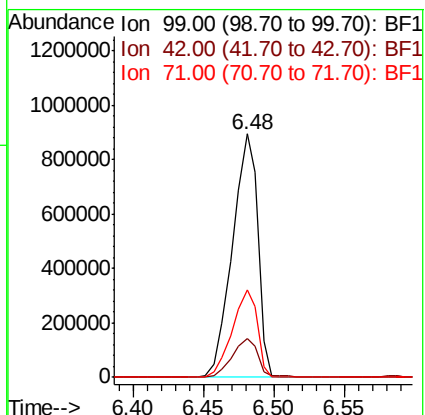
BNA\_F

ClientSampleId :

T4-S-CMS

Manual Integrations  
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#8

2-Chlorophenol

Concen: 54.963 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

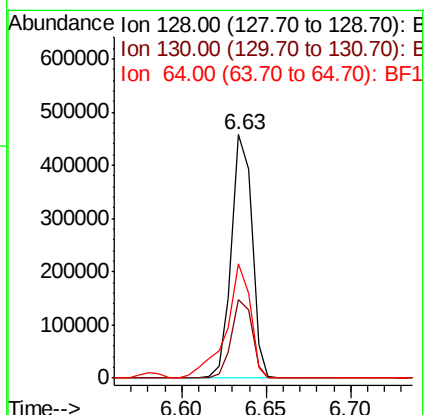
Tgt Ion: 128 Resp: 385824

Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 47.1 22.5 62.5





#9

Benzaldehyde

Concen: 44.740 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

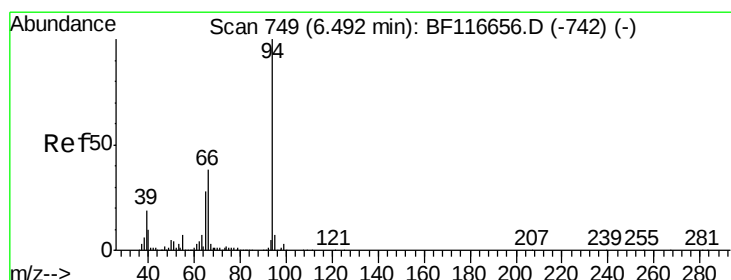
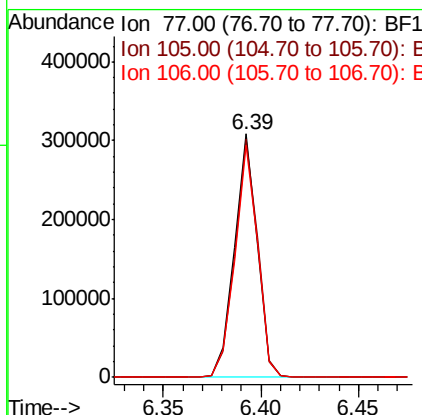
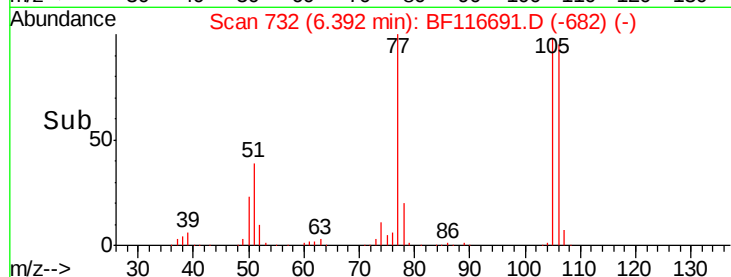
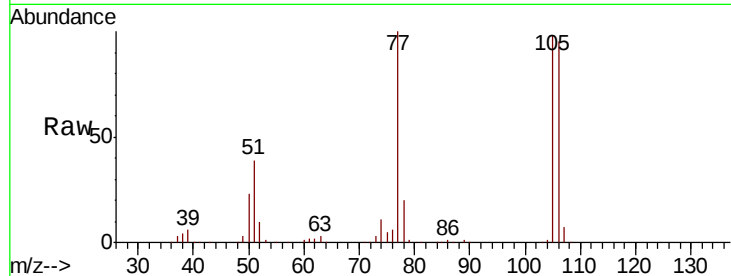
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 248883 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 98.0  | 76.7  | 116.7  |
| 106       | 95.4  | 73.1  | 113.1  |

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#10

Phenol

Concen: 56.592 ng

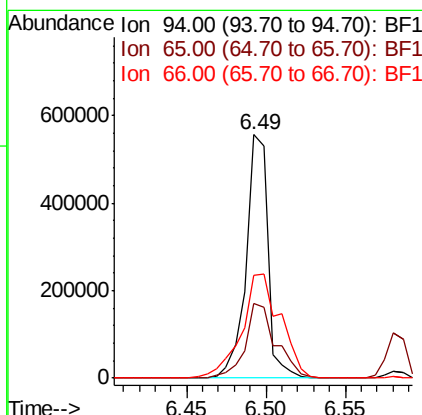
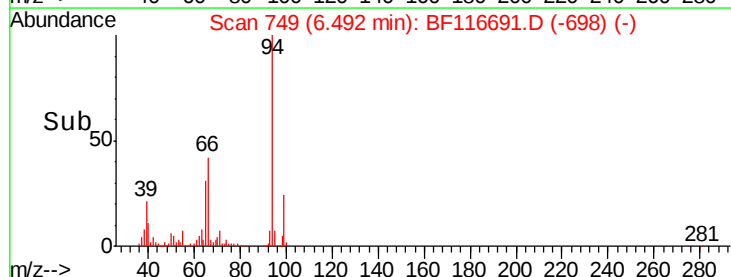
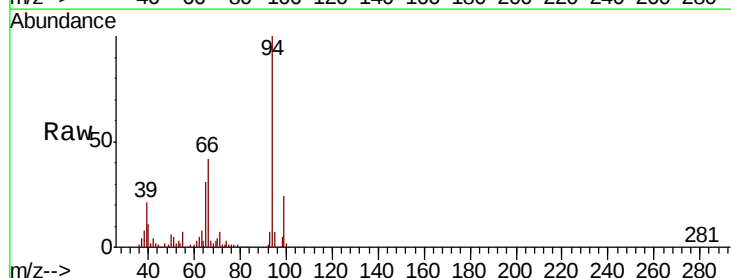
RT: 6.49 min Scan# 749

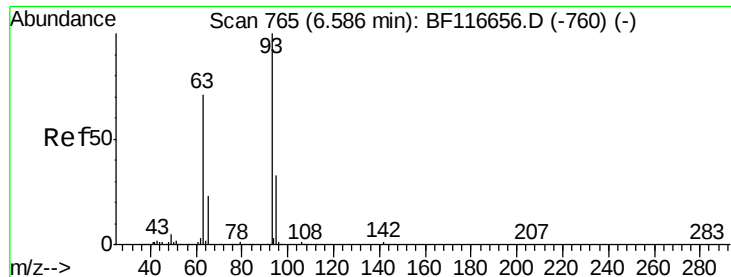
Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 529135 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 30.8  | 10.8  | 50.8   |
| 66        | 42.2  | 21.1  | 61.1   |





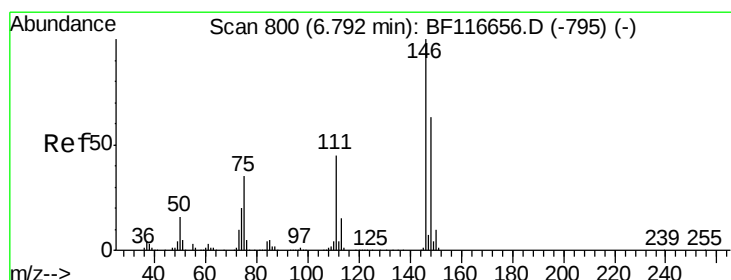
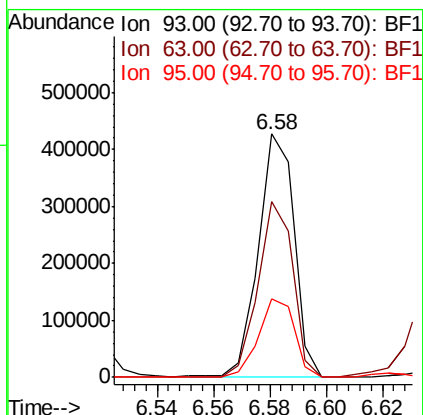
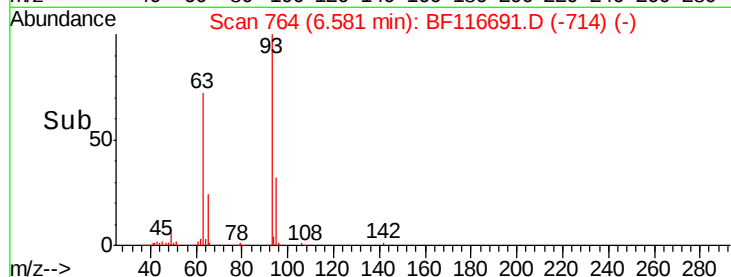
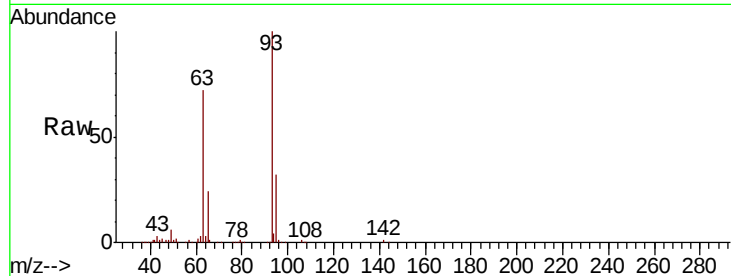
#11  
bis(2-Chloroethyl)ether  
Concen: 51.449 ng  
RT: 6.58 min Scan# 764  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 374567 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 72.2  | 49.9  | 89.9   |
| 95       | 32.4  | 12.7  | 52.7   |

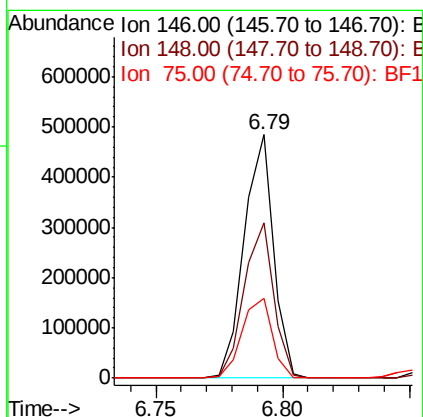
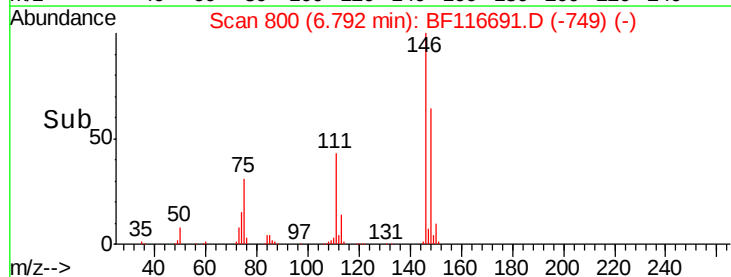
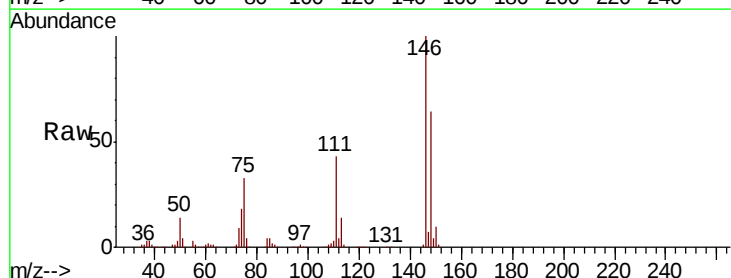
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#12  
1,3-Dichlorobenzene  
Concen: 49.247 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 390714 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.9  | 51.4  | 77.0   |
| 75       | 32.5  | 29.6  | 44.4   |





#13

1,4-Dichlorobenzene

Concen: 50.426 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

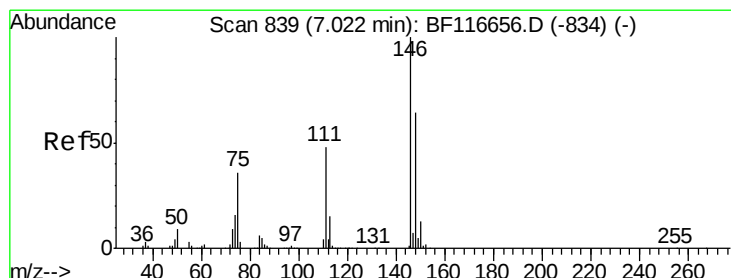
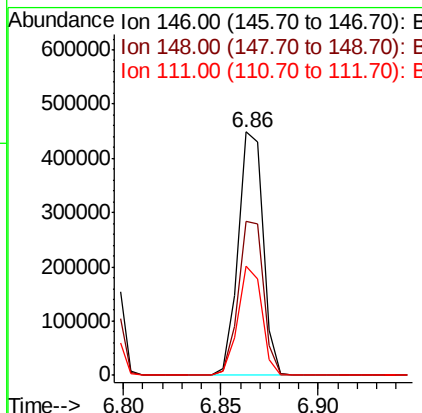
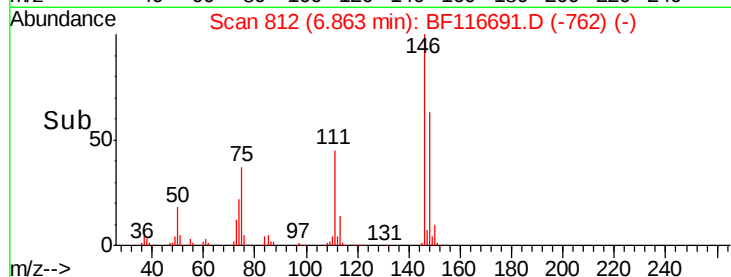
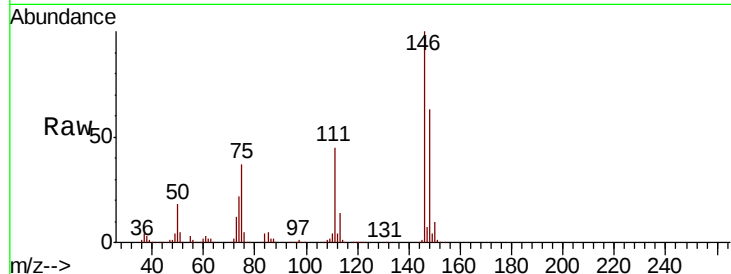
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 398297 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.3  | 51.4  | 77.2   |
| 111       | 44.7  | 34.8  | 52.2   |

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#14

1,2-Dichlorobenzene

Concen: 50.531 ng

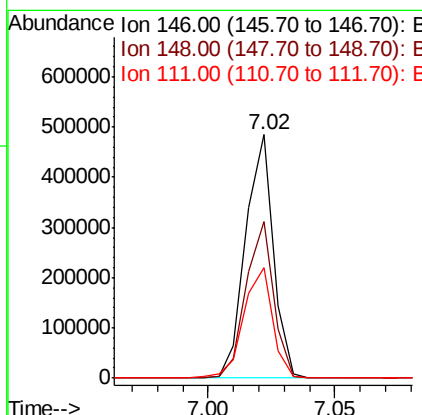
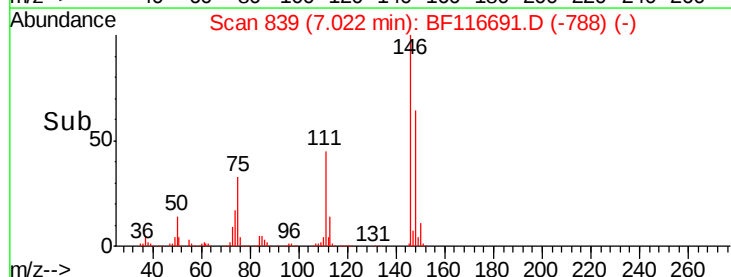
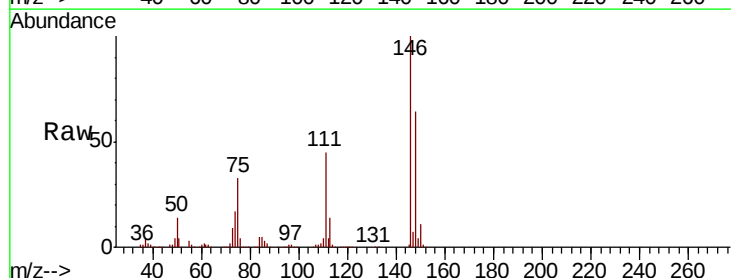
RT: 7.02 min Scan# 839

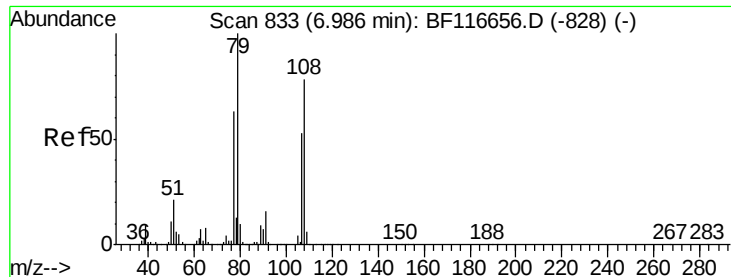
Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 369879 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 52.6  | 78.8   |
| 111       | 45.3  | 34.2  | 51.4   |





#15

Benzyl Alcohol

Concen: 53.591 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

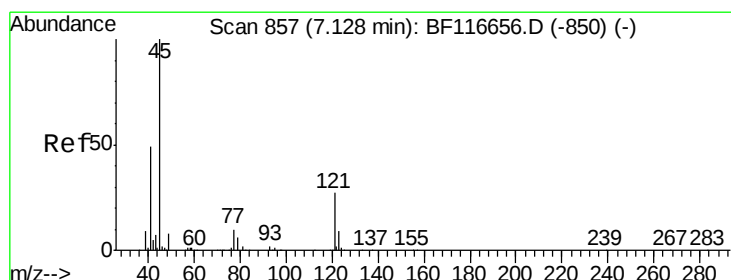
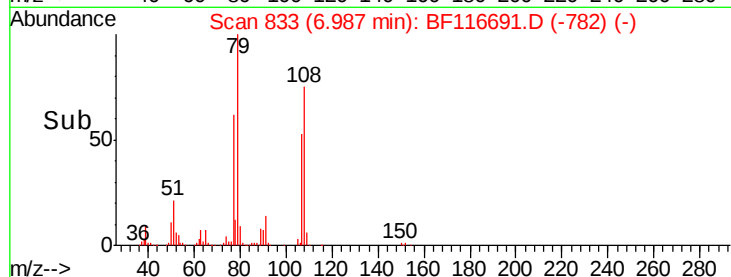
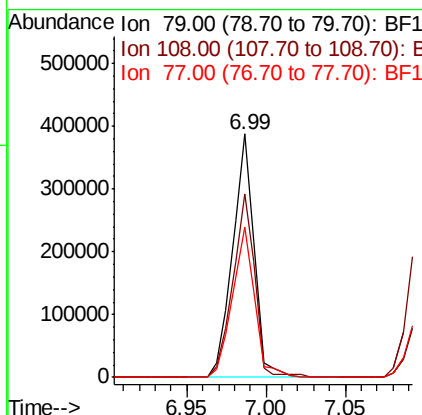
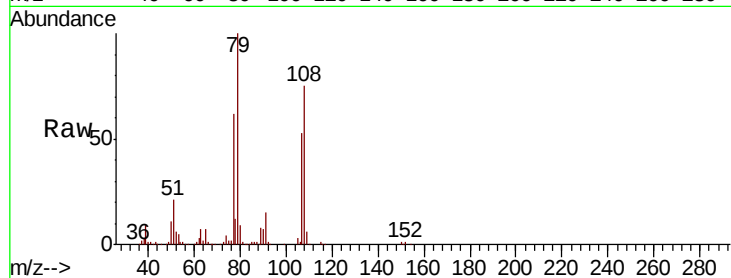
ClientSampled :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 367316 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 75.2  | 59.2  | 88.8   |
| 77        | 61.6  | 53.0  | 79.4   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 48.358 ng

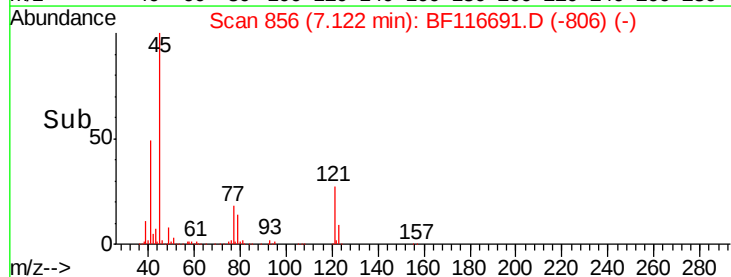
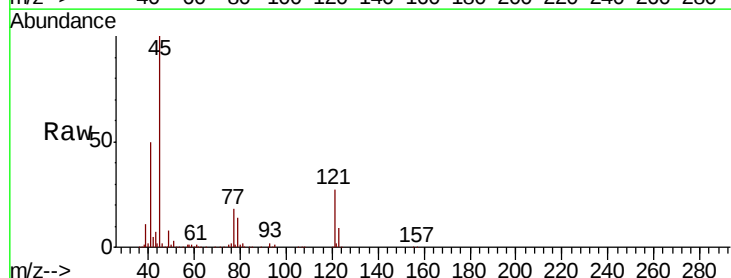
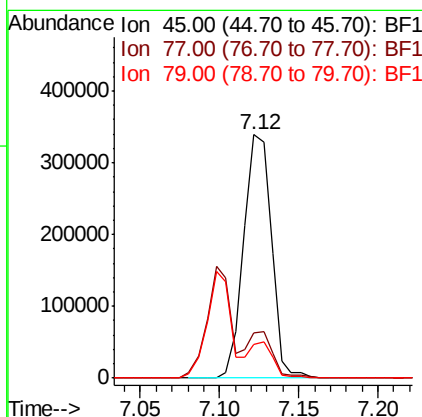
RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 413057 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 18.3  | 0.0   | 38.2   |
| 79        | 13.6  | 0.0   | 33.9   |





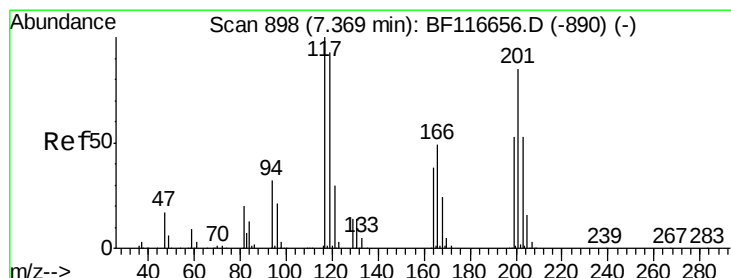
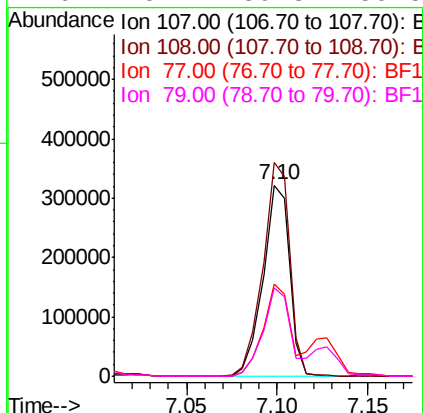
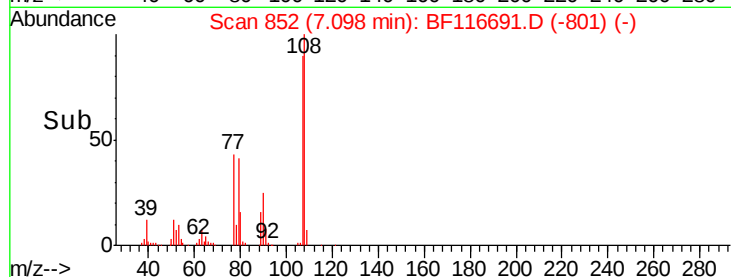
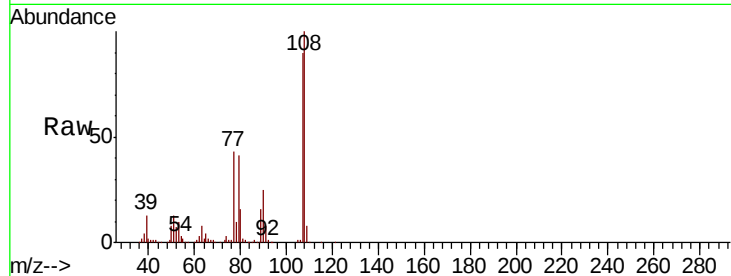
#17  
2-Methylphenol  
Concen: 53.347 ng  
RT: 7.10 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ion   | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.6 | 88.3 | 132.5 |       |
| 77      | 48.3  | 39.9 | 59.9  |       |
| 79      | 46.1  | 39.8 | 59.8  |       |

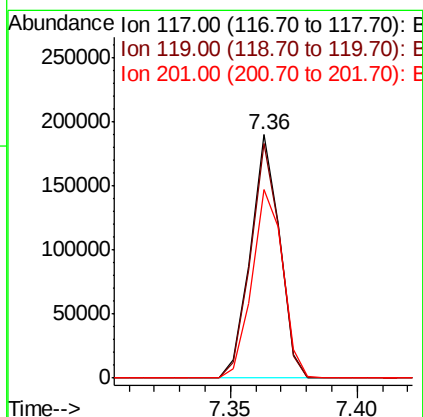
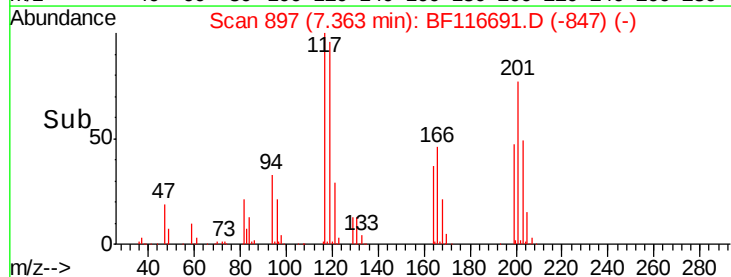
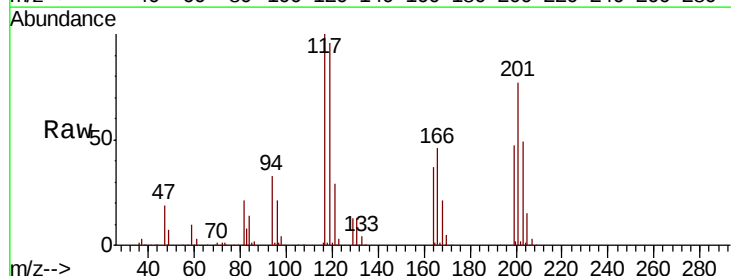
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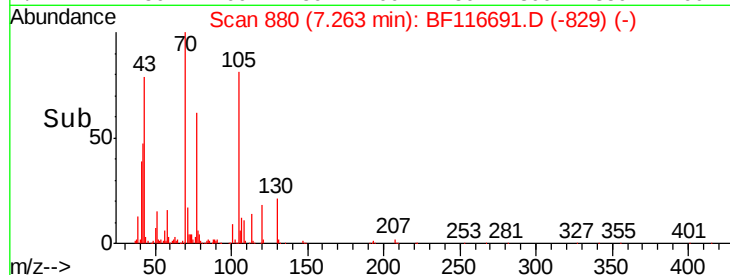
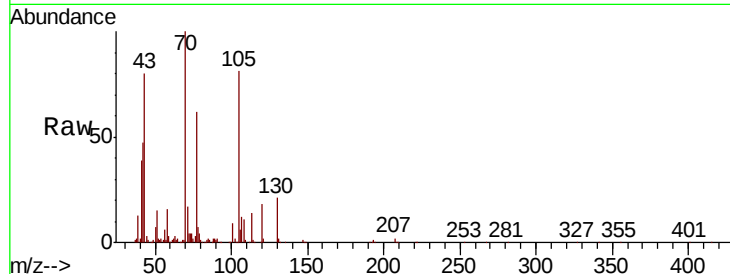
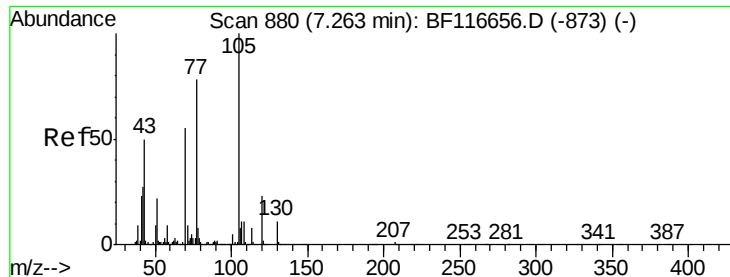
mohammad  
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#18  
Hexachloroethane  
Concen: 49.567 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Resp | Lower  | Upper |
|---------|------|------|--------|-------|
| 117     | 100  |      |        |       |
| 119     | 96.4 | 76.9 | 115.3  |       |
| 201     | 77.2 | 79.4 | 119.0# |       |





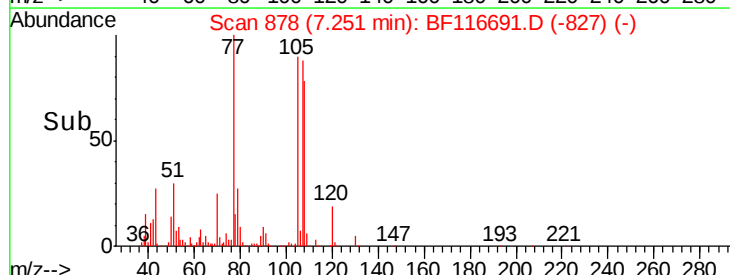
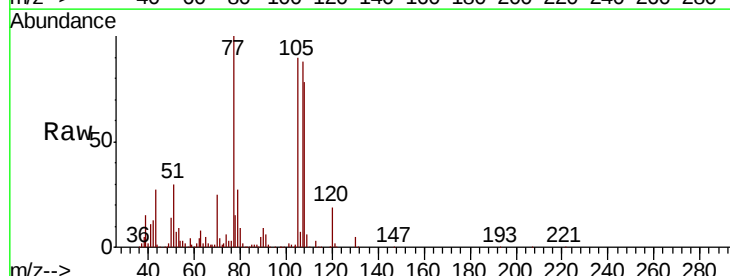
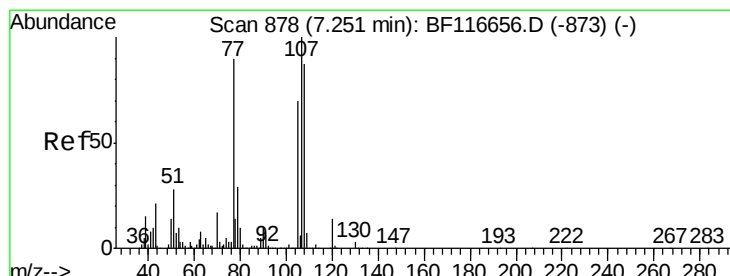
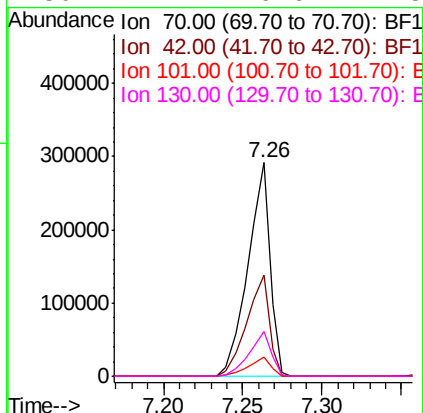
#19  
n-Nitroso-di-n-propylamine  
Concen: 50.524 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.2  | 43.5  | 65.3  |
| 101     | 9.2   | 7.8   | 11.6  |
| 130     | 21.1  | 16.6  | 24.8  |

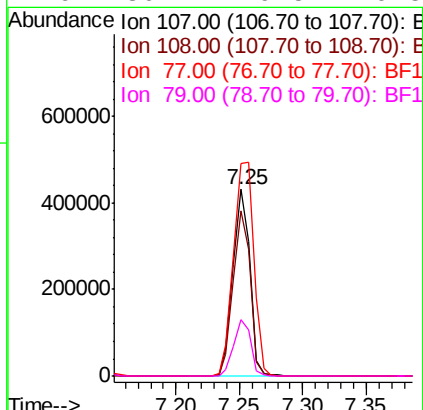
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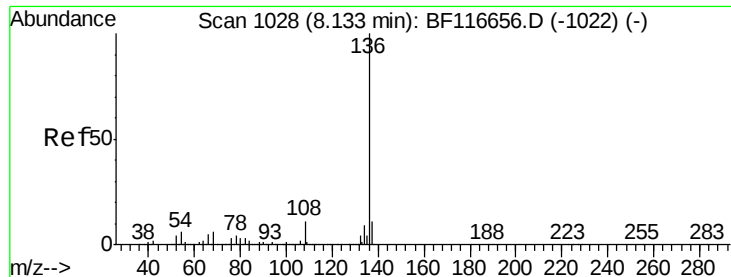
mohammad  
9/5/2019 9:23:11 AM



#20  
3+4-Methylphenols  
Concen: 55.312 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 88.3  | 65.5  | 105.5  |
| 77      | 113.8 | 69.4  | 109.4# |
| 79      | 30.2  | 9.5   | 49.5   |





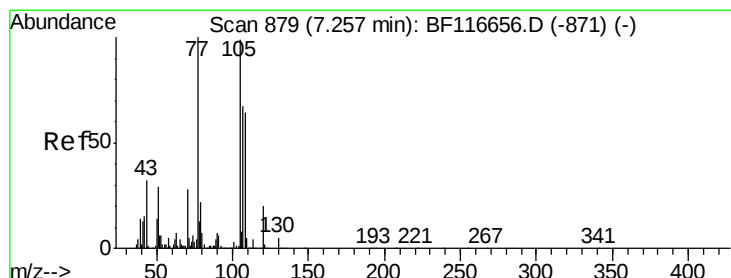
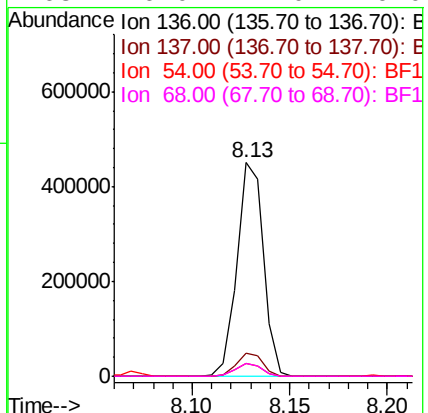
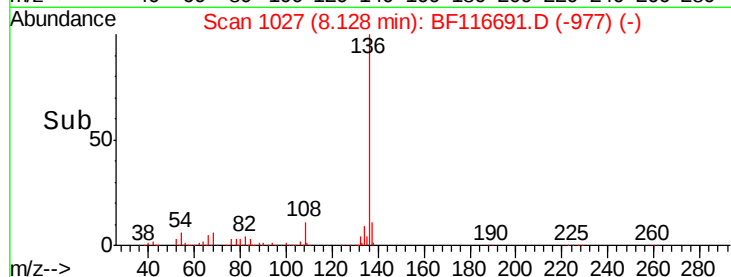
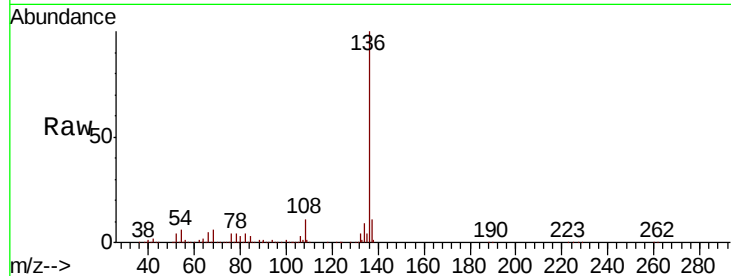
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 421466 |       |       |
| 137     | 11.0 |       | 8.9    | 13.3  |       |
| 54      | 6.3  |       | 4.8    | 7.2   |       |
| 68      | 6.0  |       | 4.0    | 6.0   |       |

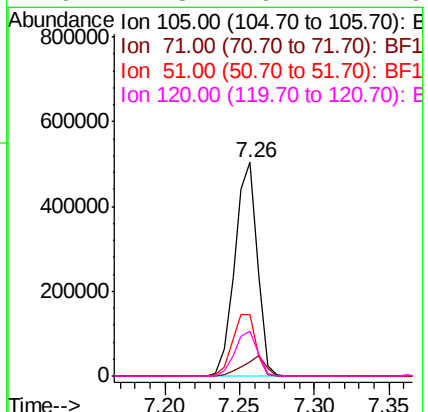
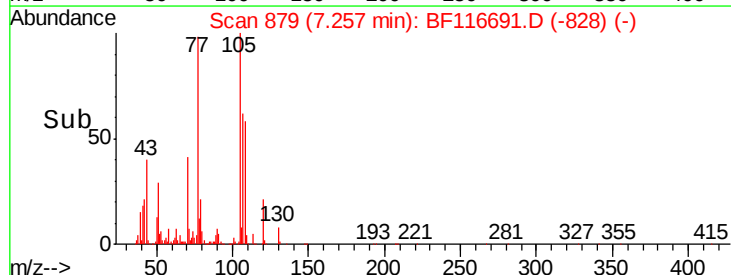
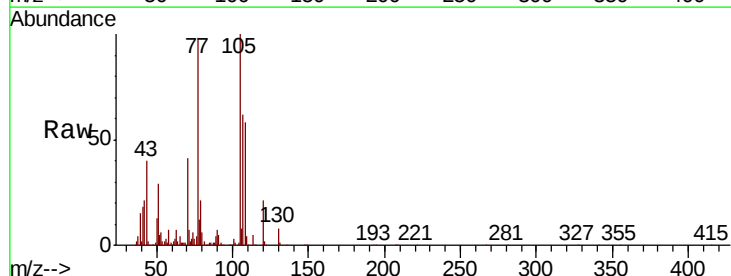
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#22  
Acetophenone  
Concen: 52.587 ng  
RT: 7.26 min Scan# 879  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 533592 |       |       |
| 71      | 6.7  |       | 4.2    | 6.4#  |       |
| 51      | 28.5 |       | 25.8   | 38.8  |       |
| 120     | 21.3 |       | 16.4   | 24.6  |       |





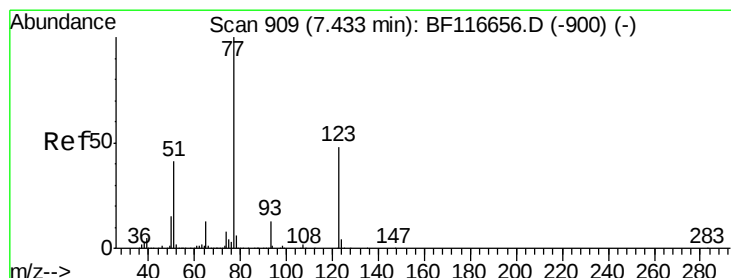
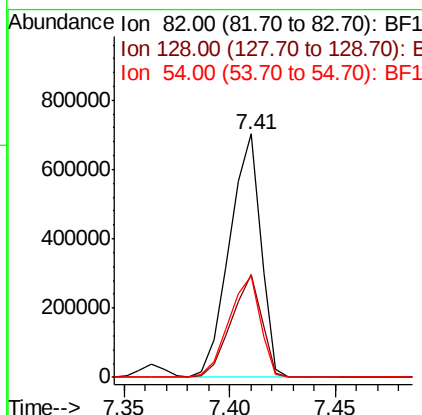
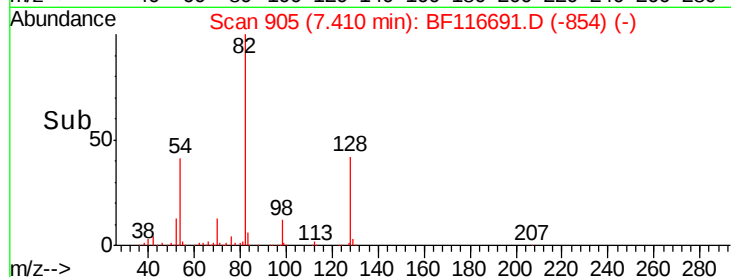
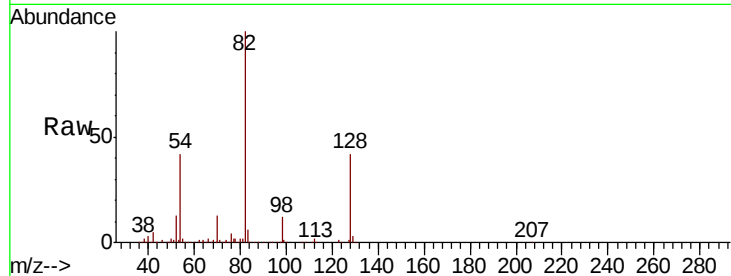
#23  
 Nitrobenzene-d5  
 Concen: 97.041 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 716434 |       |       |
| 128     | 42.4 | 32.8  | 49.2   |       |       |
| 54      | 41.7 | 36.9  | 55.3   |       |       |

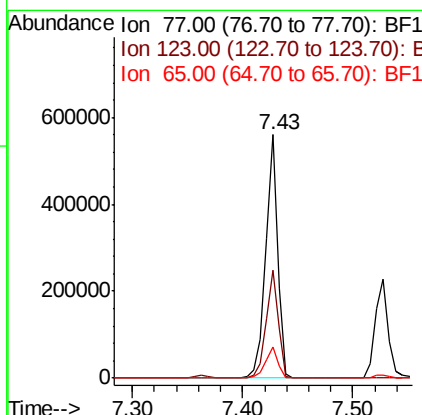
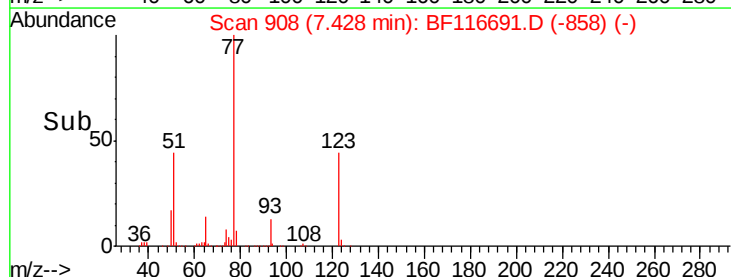
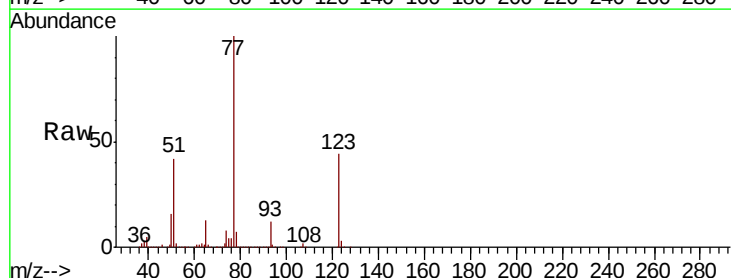
Manual Integrations  
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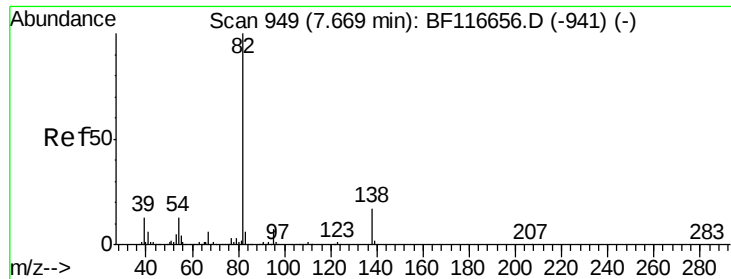
mohammad  
 9/5/2019 9:23:11 AM



#24  
 Nitrobenzene  
 Concen: 57.228 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 429706 |       |       |
| 123     | 44.1 | 33.1  | 49.7   |       |       |
| 65      | 13.0 | 10.6  | 15.8   |       |       |





#25

Isophorone

Concen: 53.364 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

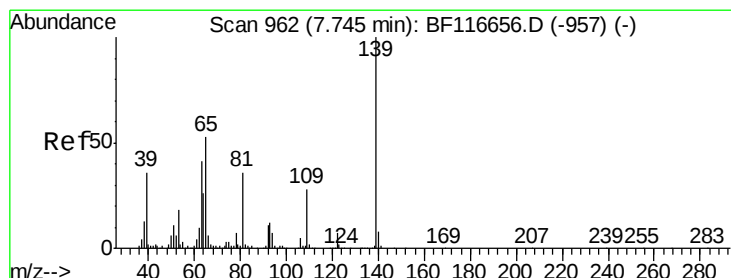
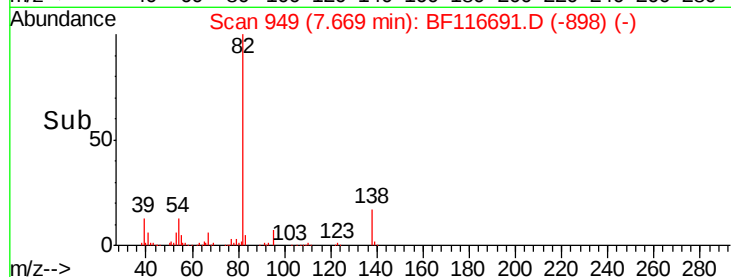
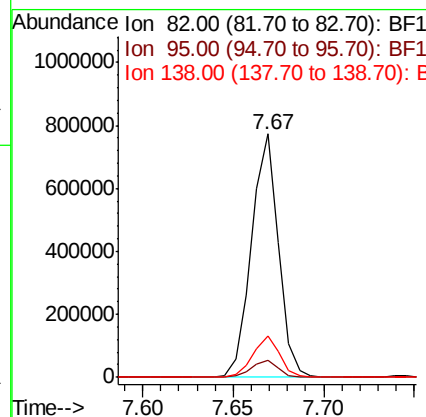
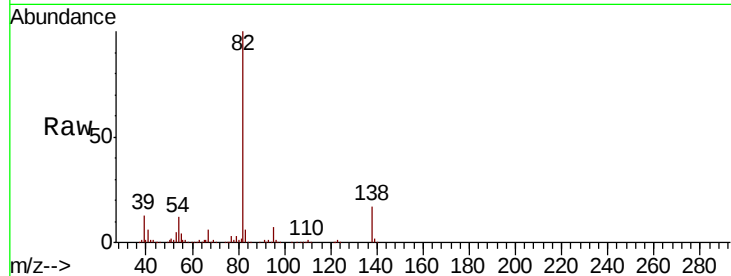
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 798328 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.0   | 5.8   | 8.6    |
| 138       | 16.8  | 13.5  | 20.3   |

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#26

2-Nitrophenol

Concen: 68.504 ng

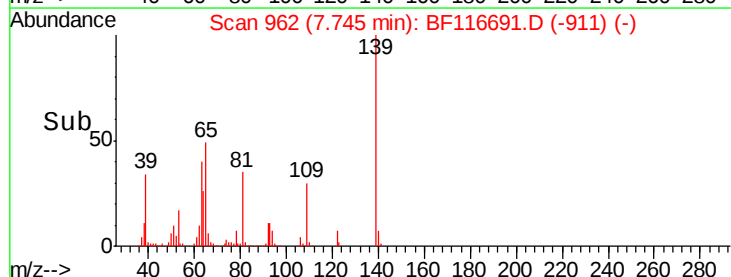
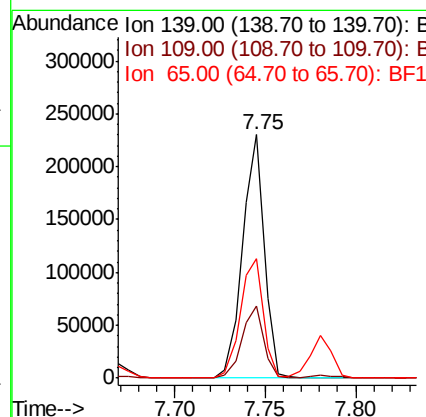
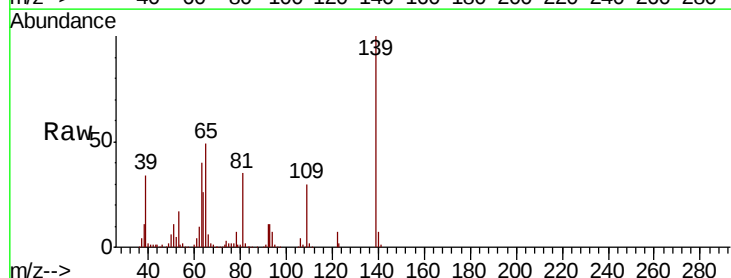
RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 191236 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 29.8  | 27.1  | 40.7   |
| 65        | 48.9  | 43.0  | 64.6   |





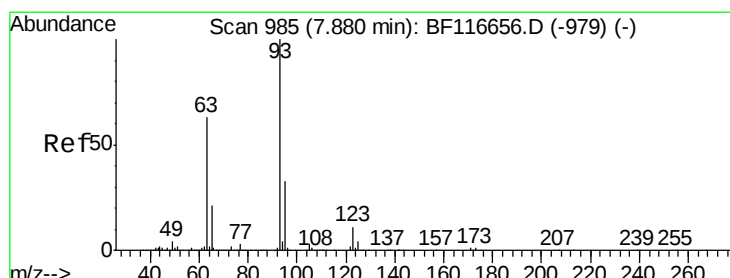
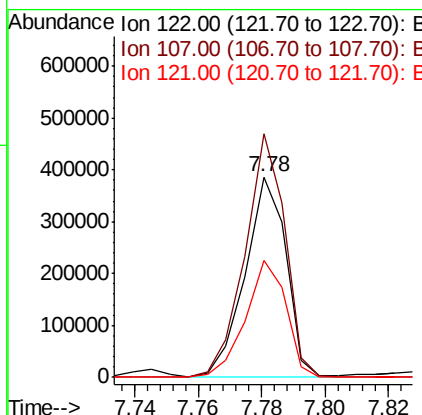
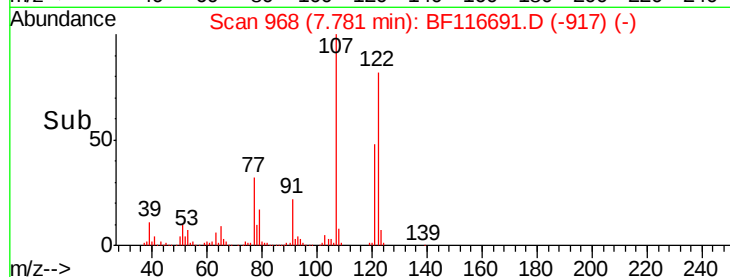
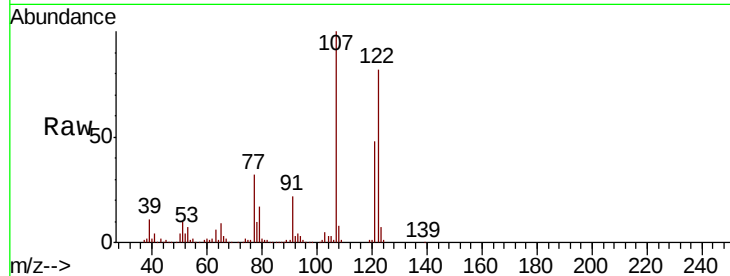
#27  
2,4-Dimethylphenol  
Concen: 61.742 ng  
RT: 7.78 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 107     | 121.5 | 98.1 | 147.1 |       |
| 121     | 58.3  | 47.3 | 70.9  |       |

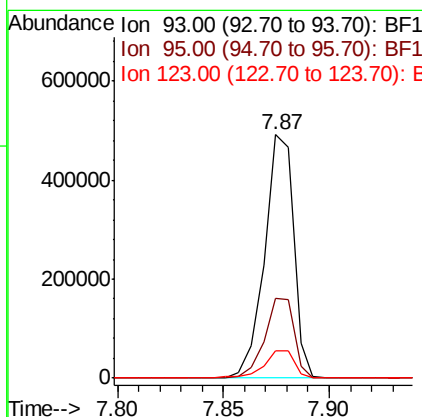
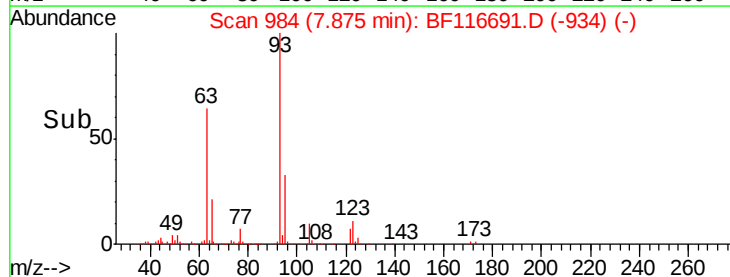
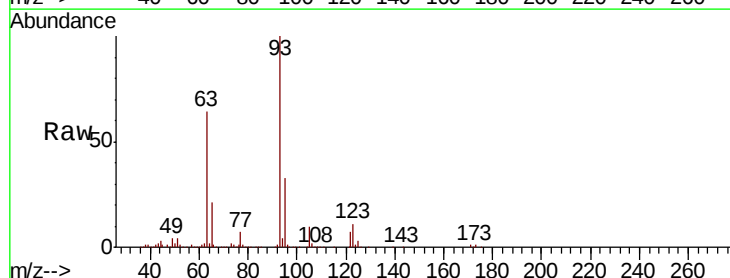
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#28  
bis(2-Chloroethoxy)methane  
Concen: 51.658 ng  
RT: 7.87 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 93      | 100   |      |       |       |
| 95      | 32.9  | 26.4 | 39.6  |       |
| 123     | 11.2  | 9.8  | 14.8  |       |





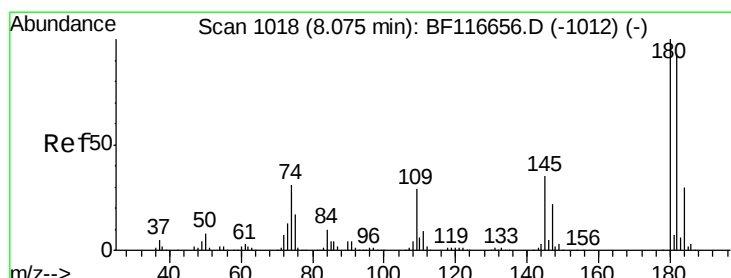
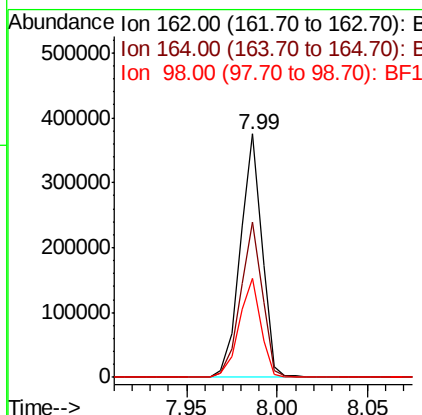
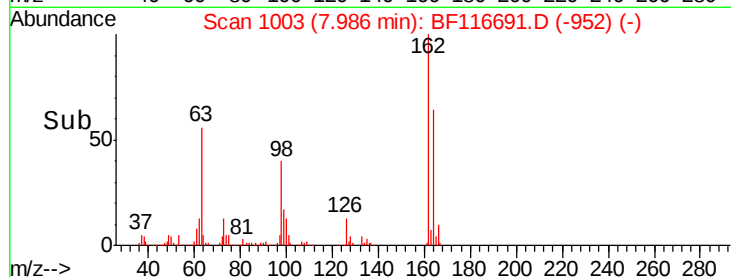
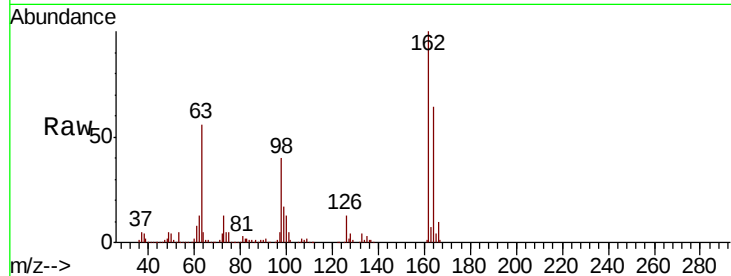
#29  
2,4-Dichlorophenol  
Concen: 57.689 ng  
RT: 7.99 min Scan# 1003  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 162  | Resp: | 312564 |
| Ion Ratio |      | Lower | Upper  |
| 162       | 100  |       |        |
| 164       | 63.9 | 43.4  | 83.4   |
| 98        | 40.5 | 18.1  | 58.1   |

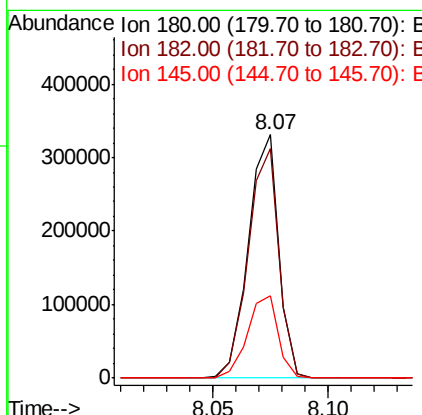
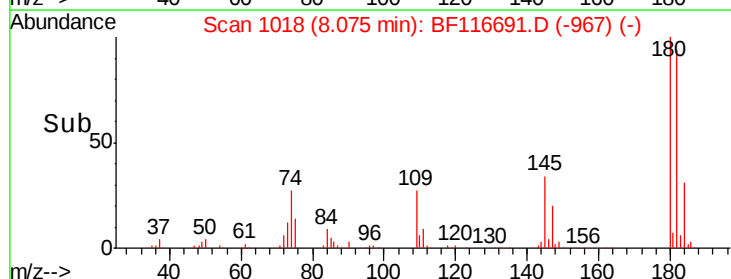
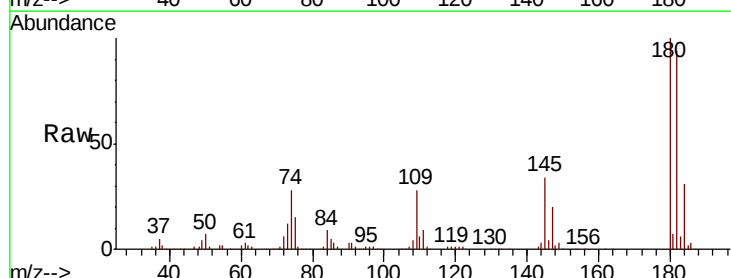
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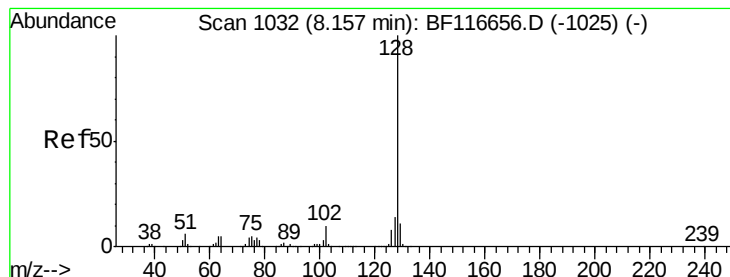
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#30  
1,2,4-Trichlorobenzene  
Concen: 51.822 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 304542 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 94.2 | 78.6  | 118.0  |
| 145       | 34.0 | 25.7  | 38.5   |





#31

Naphthalene

Concen: 54.527 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

ClientSampleId :

T4-S-CMS

Tot Ion:128 Resp: 1092784

Ion Ratio Lower Upper

128 100

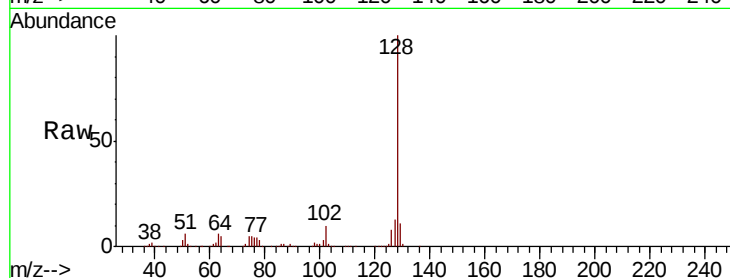
129 11.5 8.6 13.0

127 13.2 10.4 15.6

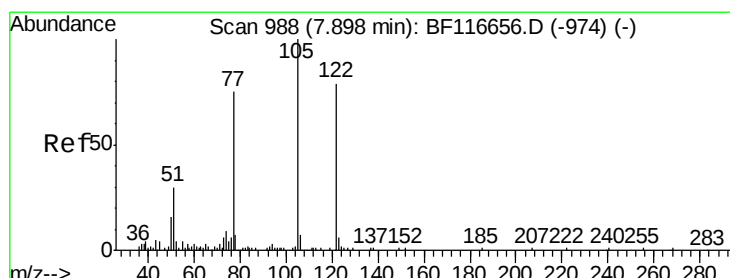
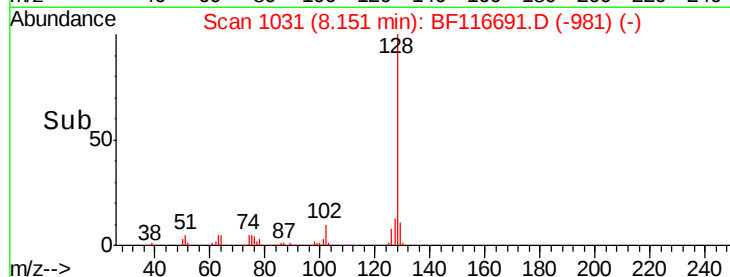
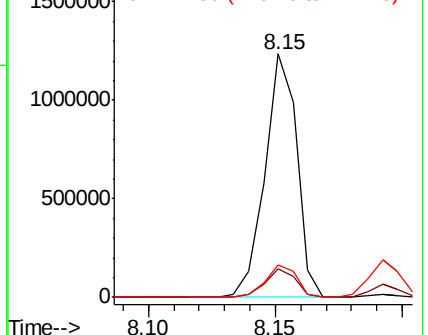
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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.674 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

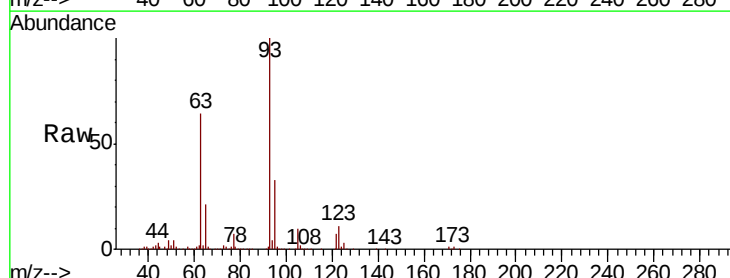
Tgt Ion:122 Resp: 94462

Ion Ratio Lower Upper

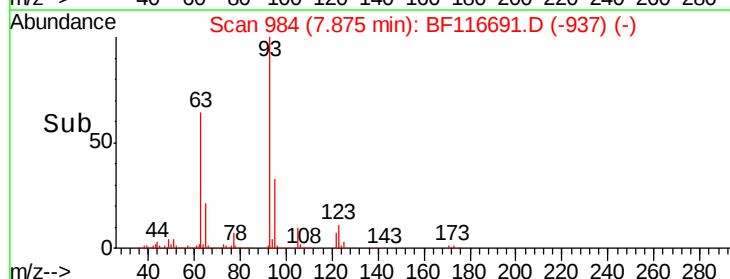
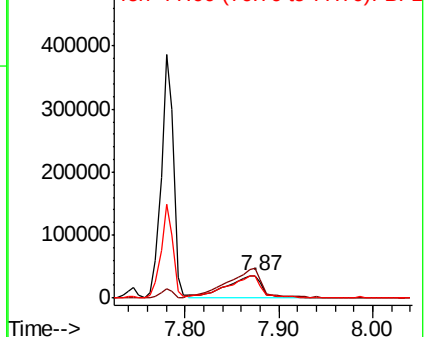
122 100

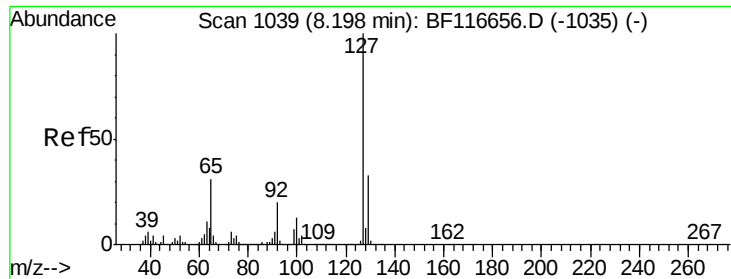
105 132.3 110.0 150.0

77 98.7 81.7 121.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





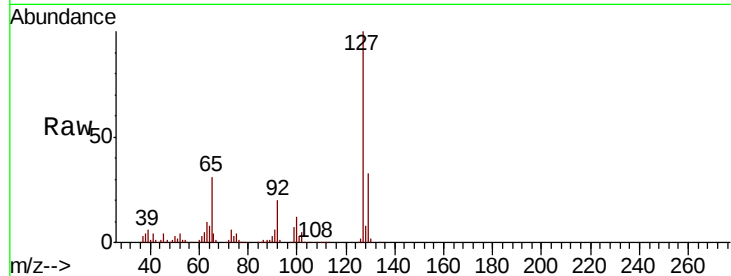
#33  
4-Chloroaniline  
Concen: 18.827 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

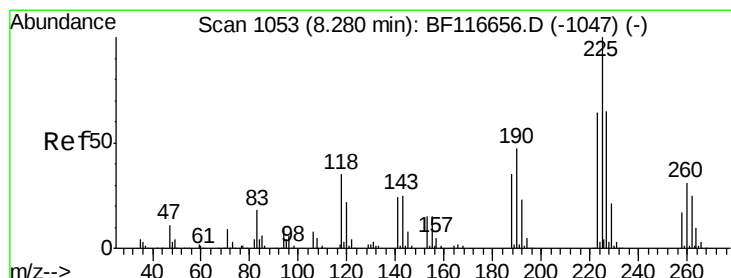
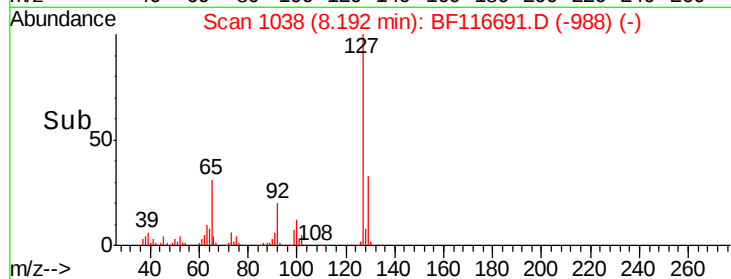
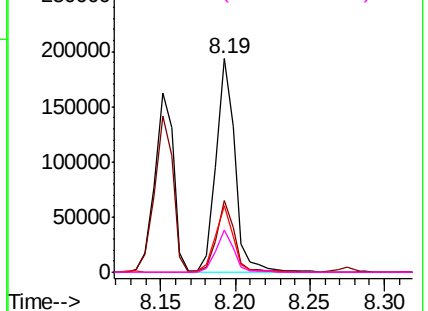
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 171755 |       |       |
| 129     | 33.5 | 26.2  | 39.2   |       |       |
| 65      | 31.1 | 26.0  | 39.0   |       |       |
| 92      | 19.8 | 16.1  | 24.1   |       |       |

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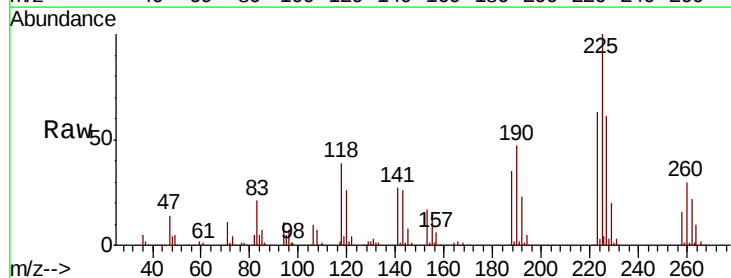


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

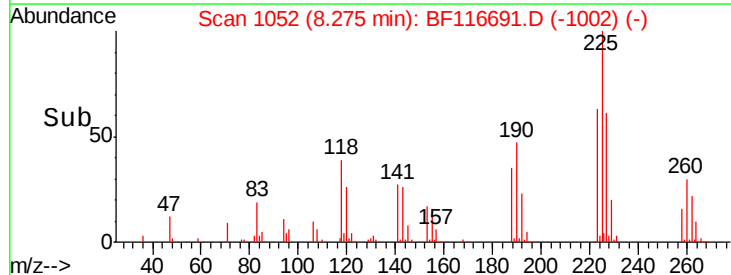
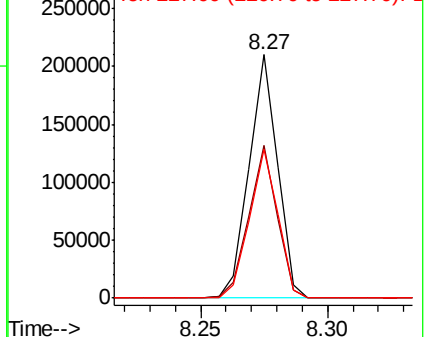


#34  
Hexachlorobutadiene  
Concen: 51.432 ng  
RT: 8.27 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 164801 |       |       |
| 223     | 62.8 | 49.4  | 74.2   |       |       |
| 227     | 61.3 | 51.0  | 76.4   |       |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





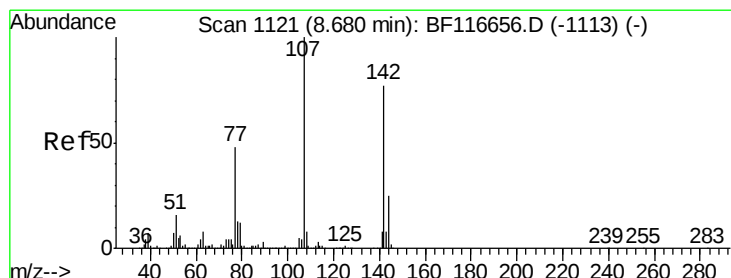
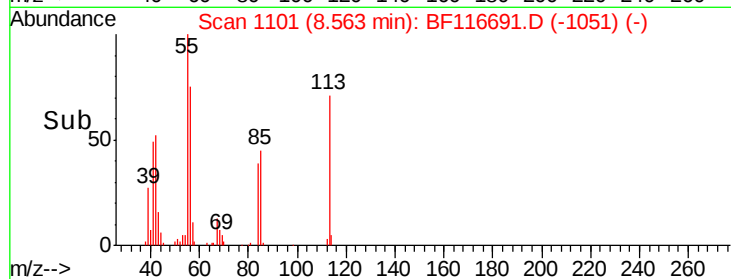
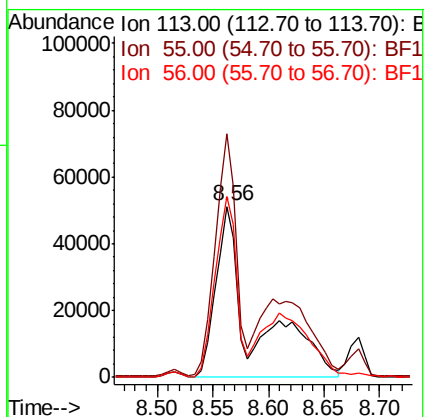
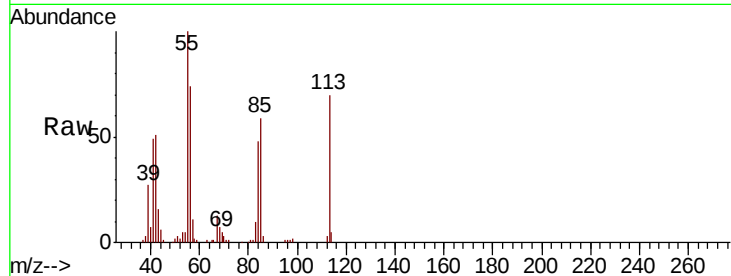
#35  
Caprolactam  
Concen: 58.306 ng/ml  
RT: 8.56 min Scan# 1101  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 113     | 100   |       | 118226 |       |       |
| 55      | 142.1 |       | 124.3  | 164.3 |       |
| 56      | 105.8 |       | 94.6   | 134.6 |       |

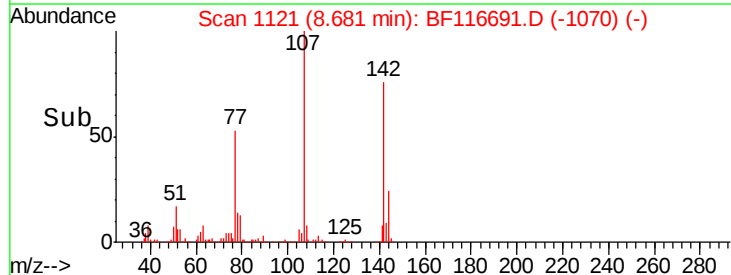
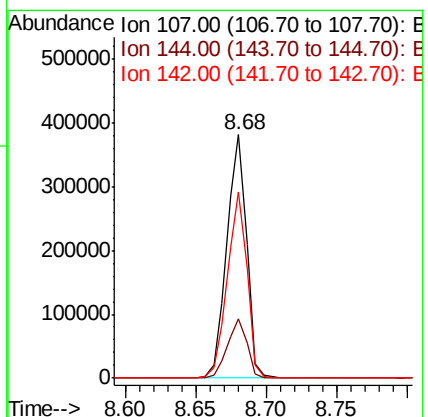
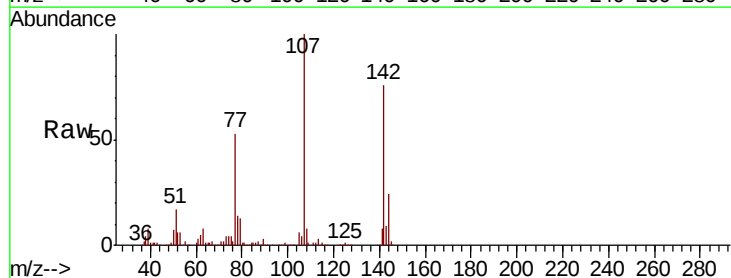
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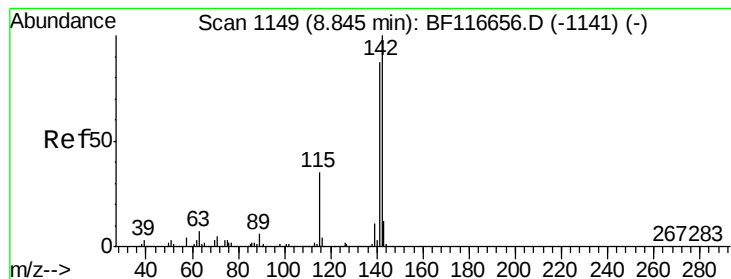
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#36  
4-Chloro-3-methylphenol  
Concen: 59.824 ng/ml  
RT: 8.68 min Scan# 1121  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 372538 |       |       |
| 144     | 24.3 |       | 18.6   | 27.8  |       |
| 142     | 76.3 |       | 58.5   | 87.7  |       |





#37

2-Methylnaphthalene

Concen: 55.382 ng

RT: 8.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

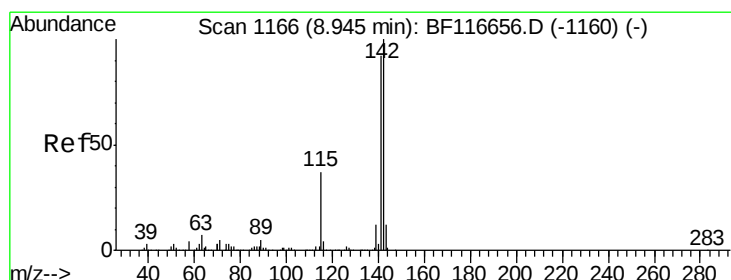
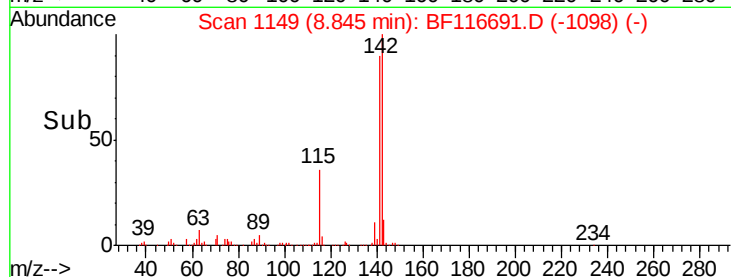
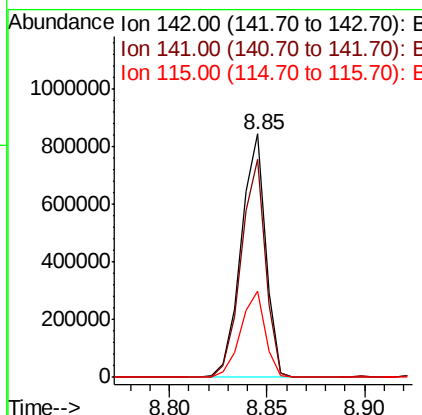
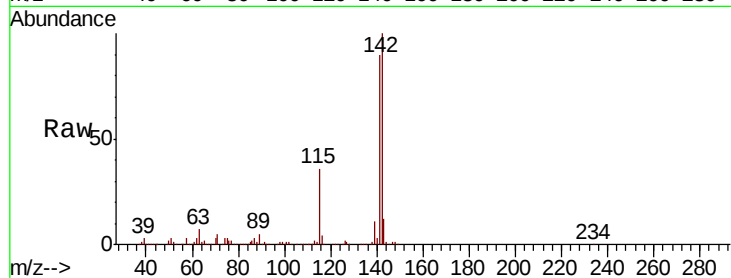
ClientSampleId :

T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 142   | Resp: | 738490 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 89.7  | 72.6  | 109.0  |
| 115       | 35.6  | 29.8  | 44.6   |

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#38

1-Methylnaphthalene

Concen: 54.989 ng

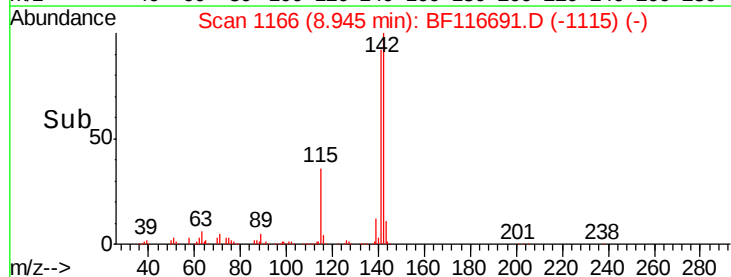
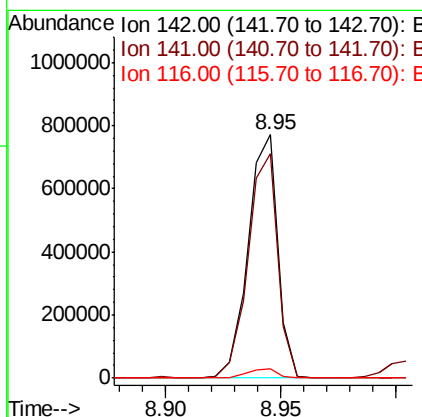
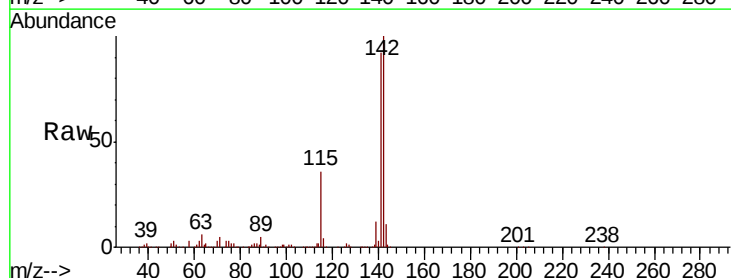
RT: 8.95 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 692178 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 92.2  | 73.9  | 110.9  |
| 116       | 3.7   | 3.0   | 4.6    |





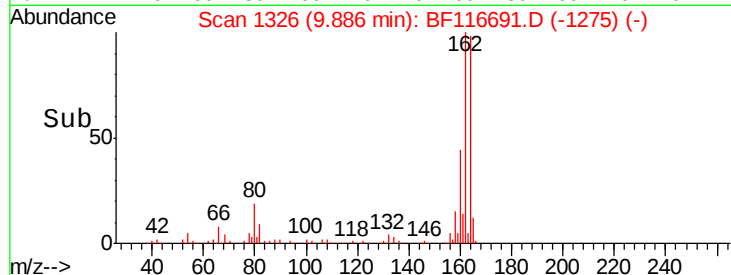
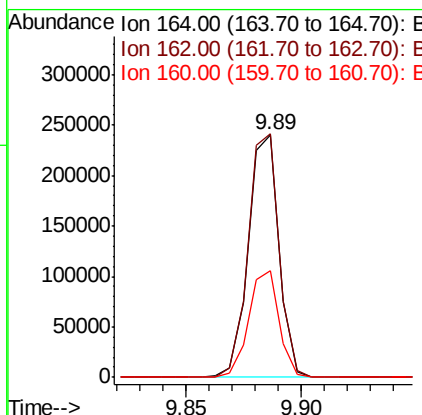
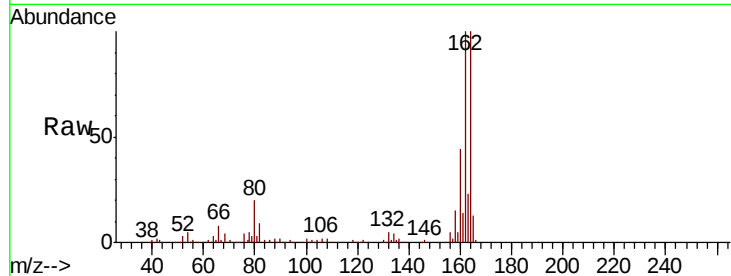
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 222618 |       |       |
| 162     | 100.3 | 81.4   | 122.0 |       |
| 160     | 44.2  | 35.4   | 53.2  |       |

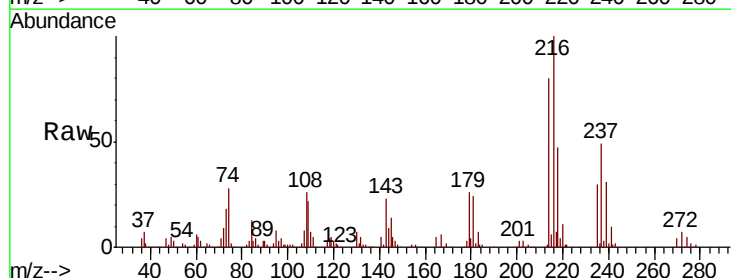
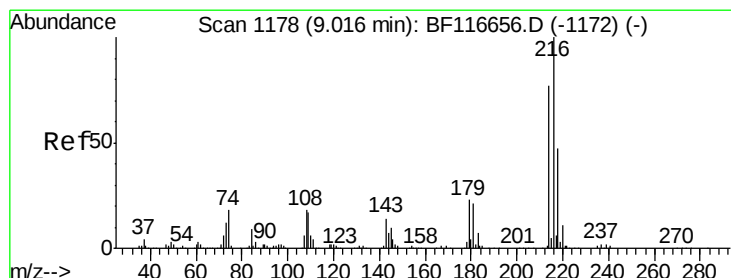
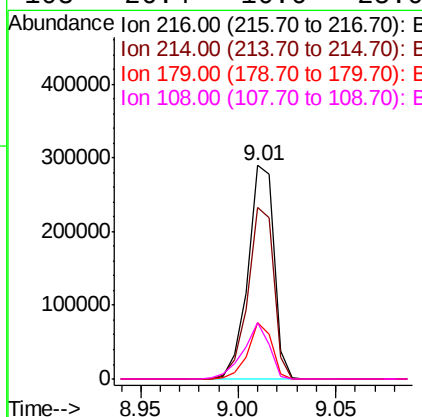
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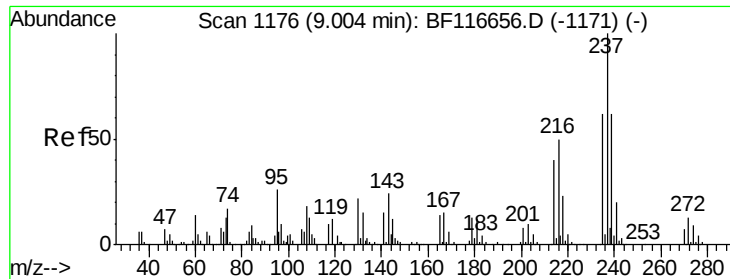
mohammad  
9/5/2019 9:23:11 AM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 50.236 ng  
RT: 9.01 min Scan# 1177  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 268090 |       |       |
| 214     | 80.2  | 62.7   | 94.1  |       |
| 179     | 24.4  | 19.3   | 28.9  |       |
| 108     | 26.4  | 16.6   | 25.0  | #     |





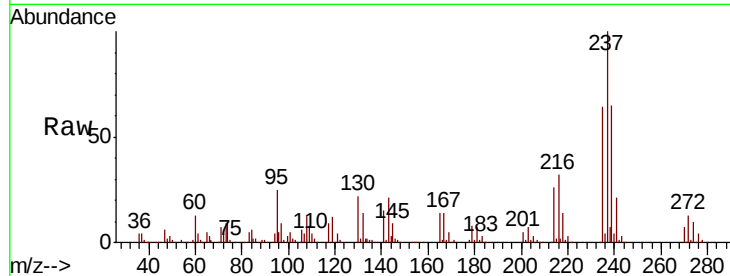
#41  
Hexachlorocyclopentadiene  
Concen: 102.080 ng  
RT: 9.00 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

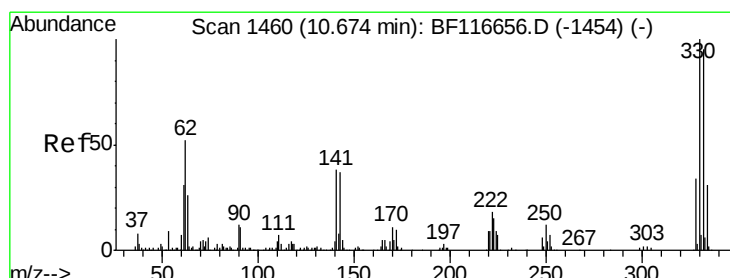
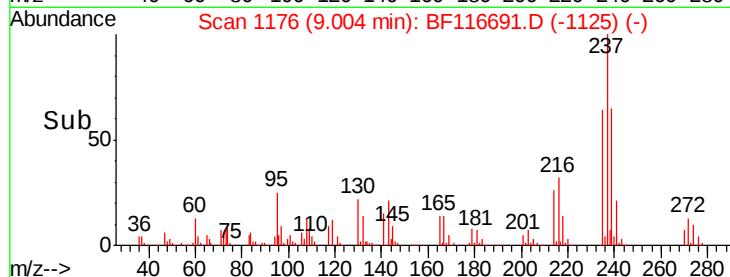
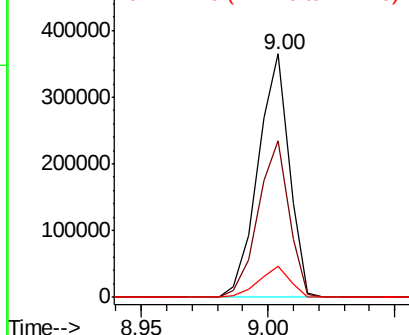
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 64.5  | 41.4       | 81.4  |
| 272     | 12.6  | 0.0        | 32.8  |

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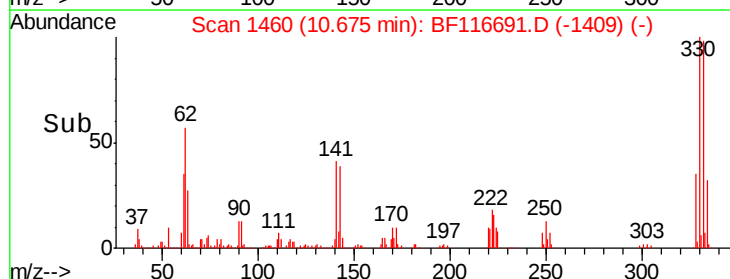
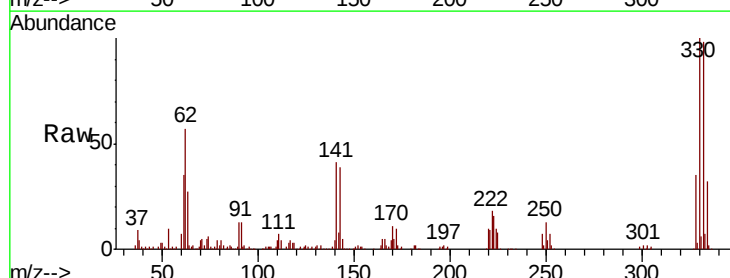
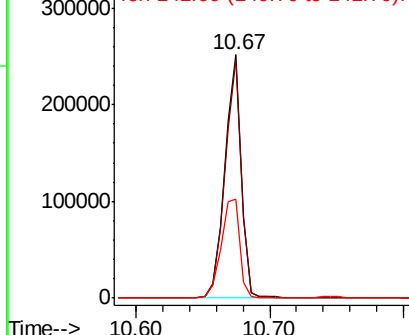
Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

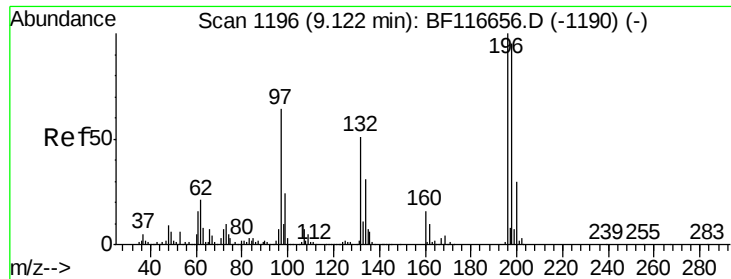


#42  
2,4,6-Tribromophenol  
Concen: 148.197 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 97.2  | 76.9       | 115.3 |
| 141     | 46.3  | 31.4       | 47.2  |

Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





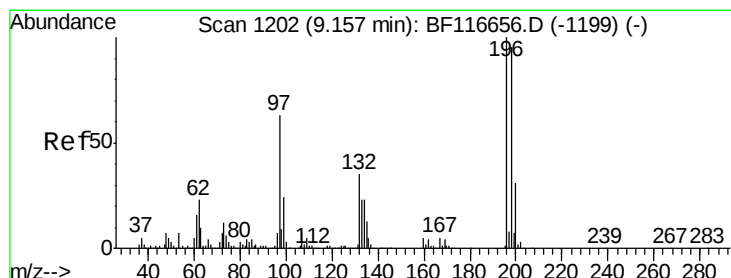
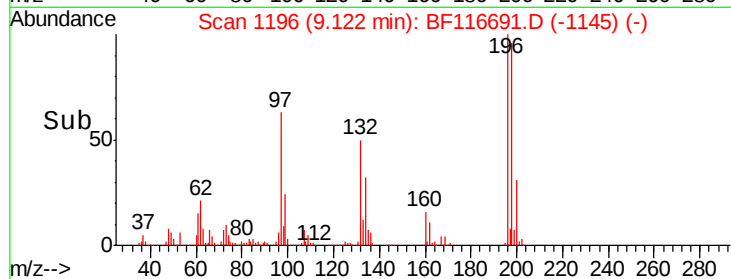
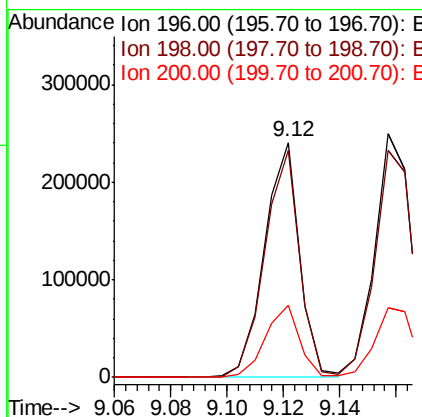
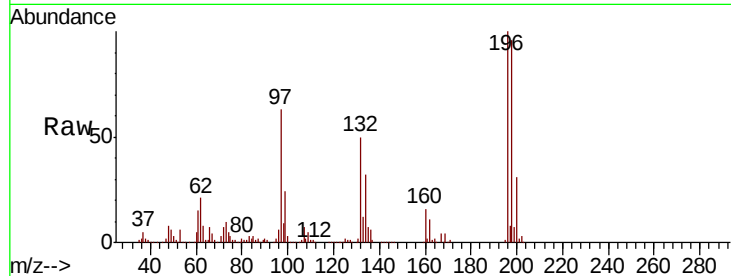
#43  
 2,4,6-Trichlorophenol  
 Concen: 56.880 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 208077 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.4  | 79.1  | 118.7  |
| 200       | 30.8  | 24.0  | 36.0   |

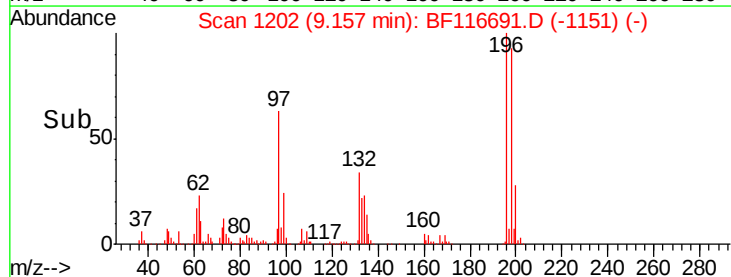
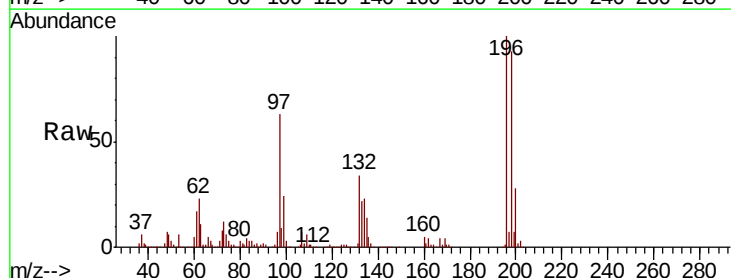
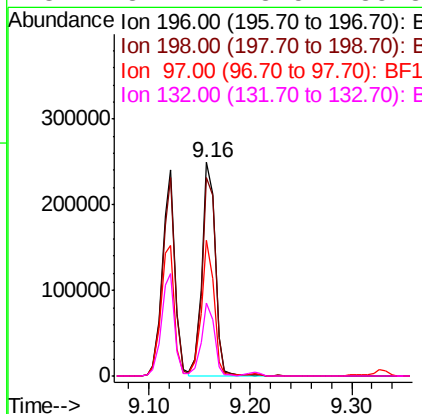
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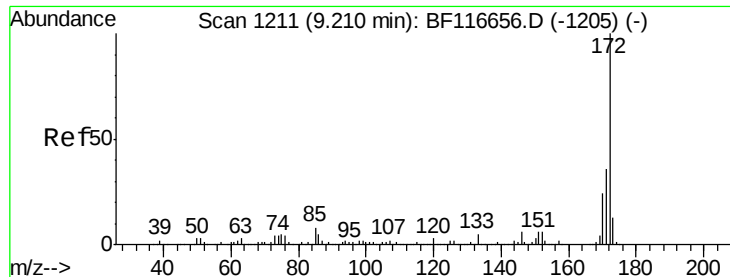
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#44  
 2,4,5-Trichlorophenol  
 Concen: 59.978 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 227787 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 93.0  | 78.1  | 117.1  |
| 97        | 63.4  | 41.6  | 62.4#  |
| 132       | 34.2  | 23.5  | 35.3   |





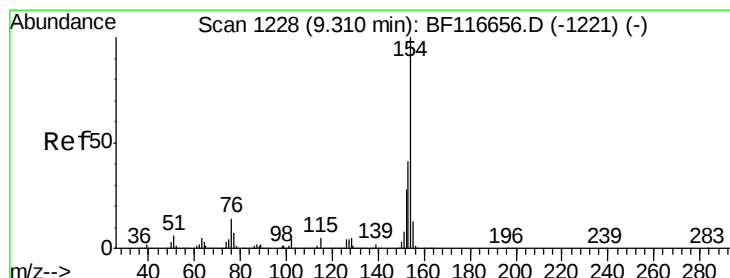
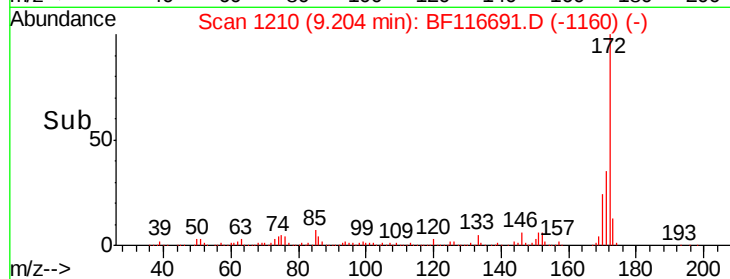
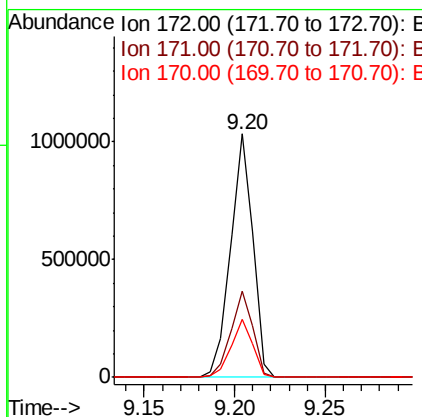
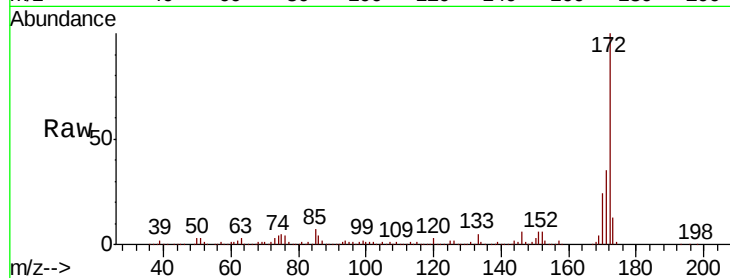
#45  
2-Fluorobiphenyl  
Concen: 67.266 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. -0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 887700 |       |       |
| 171     | 35.2  |        | 27.8  | 41.6  |
| 170     | 23.9  |        | 18.9  | 28.3  |

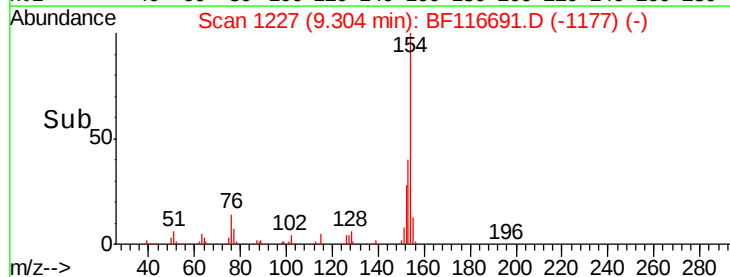
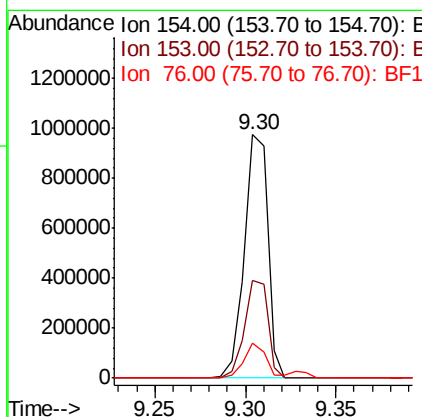
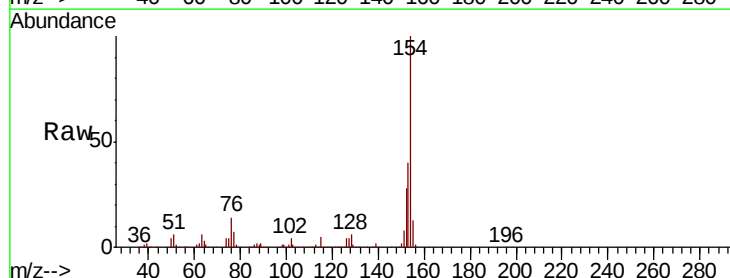
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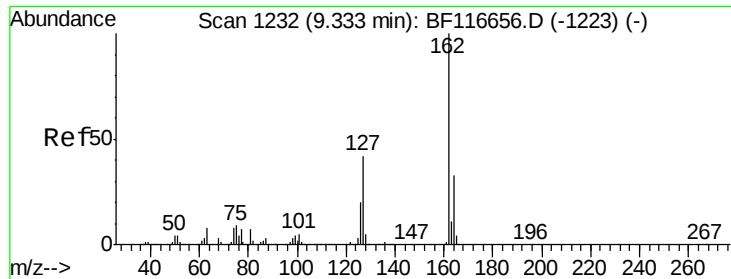
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#46  
1,1'-Biphenyl  
Concen: 51.821 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 875393 |       |       |
| 153     | 40.3  |        | 21.2  | 61.2  |
| 76      | 14.2  |        | 0.0   | 30.9  |





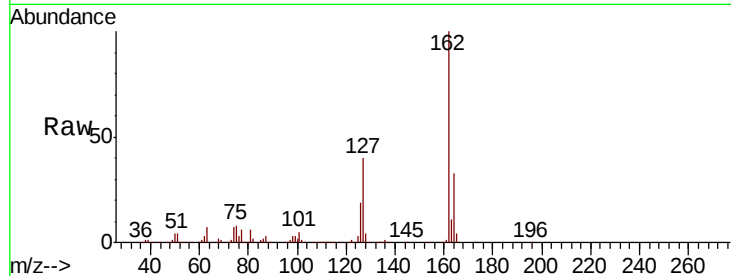
#47  
 2-Chloronaphthalene  
 Concen: 51.476 ng  
 RT: 9.33 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

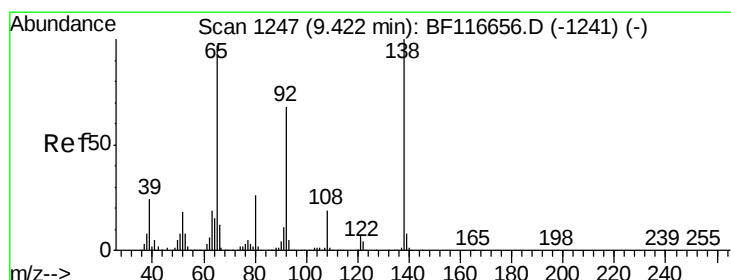
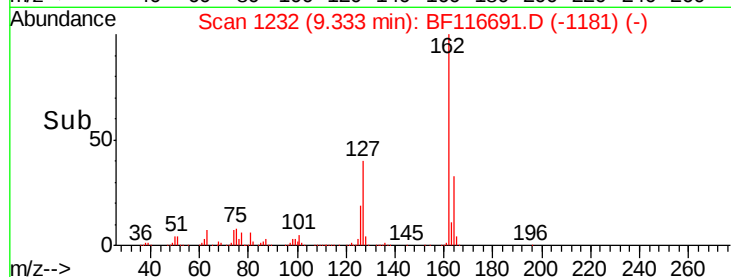
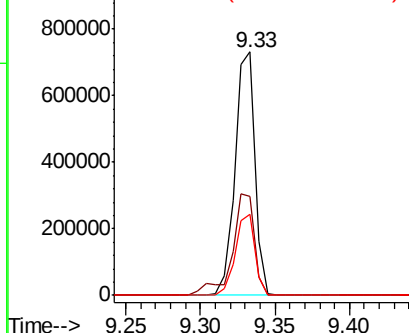
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 688730 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 40.4  | 33.4  | 50.2   |
| 164       | 33.1  | 26.6  | 39.8   |

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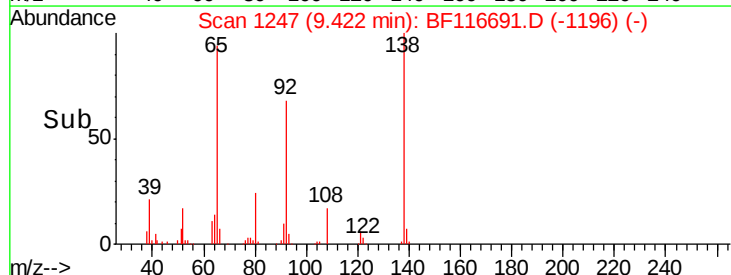
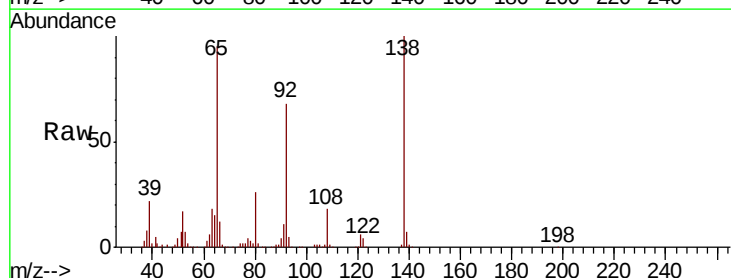
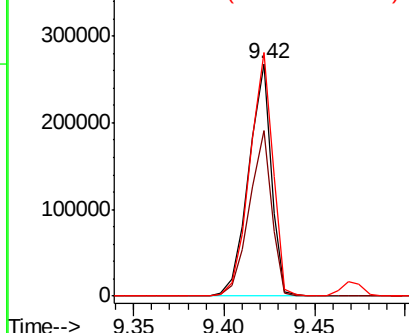
Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

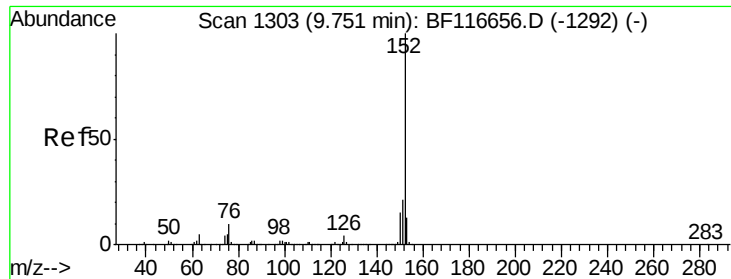


#48  
 2-Nitroaniline  
 Concen: 60.143 ng  
 RT: 9.42 min Scan# 1247  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 232635 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 71.0  | 57.1  | 85.7   |
| 138       | 104.8 | 88.2  | 132.2  |

Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





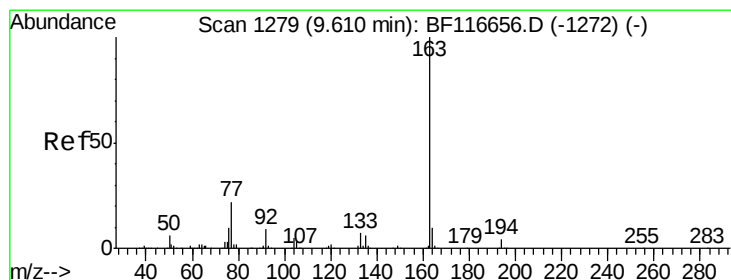
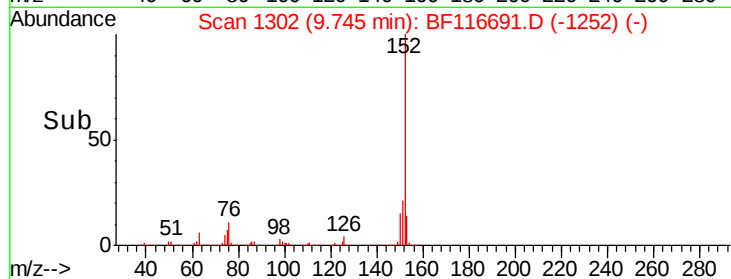
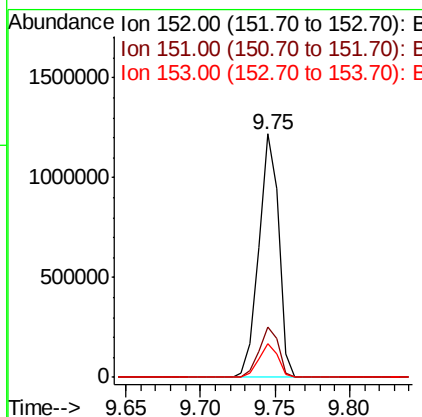
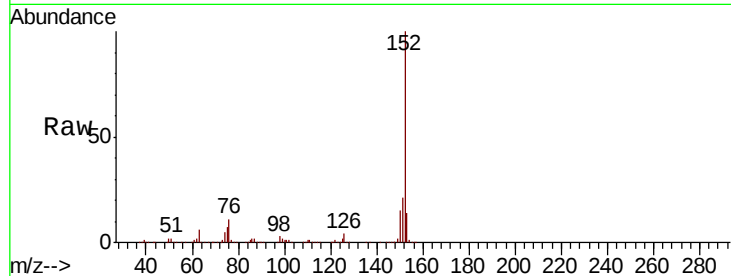
#49  
Acenaphthylene  
Concen: 54.789 ng  
RT: 9.75 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 15.9  | 23.9  |
| 153     | 13.6  | 10.9  | 16.3  |

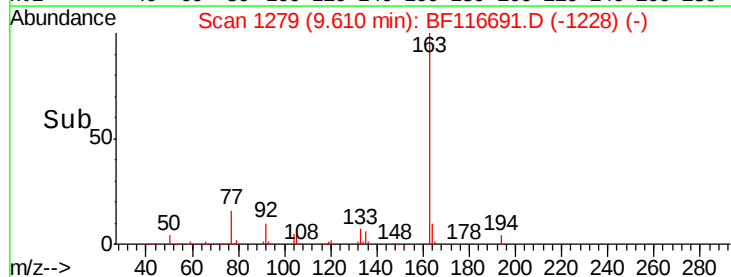
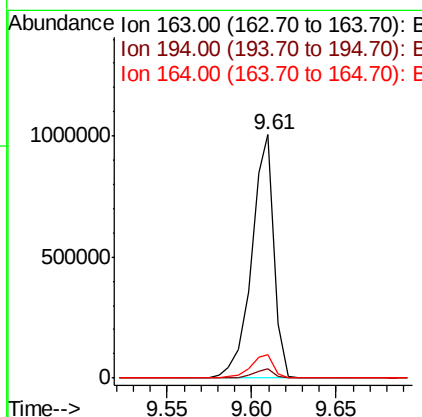
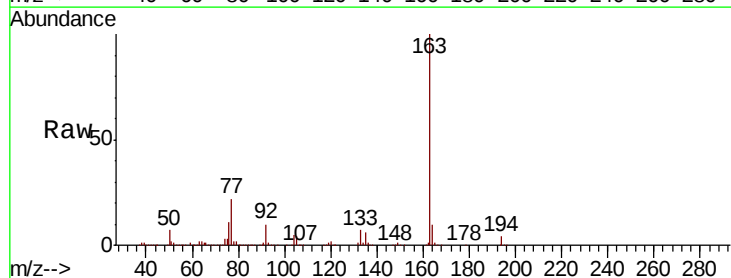
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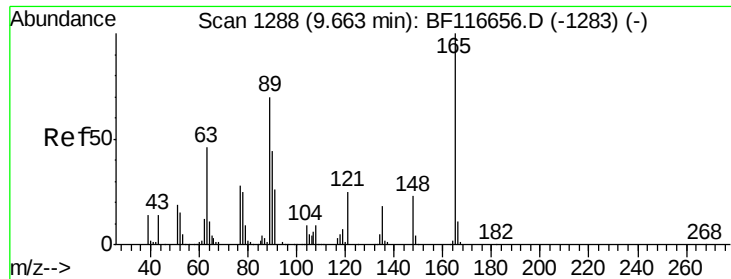
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#50  
Dimethylphthalate  
Concen: 59.877 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.8   | 4.2   |
| 164     | 9.9   | 8.6   | 12.8  |





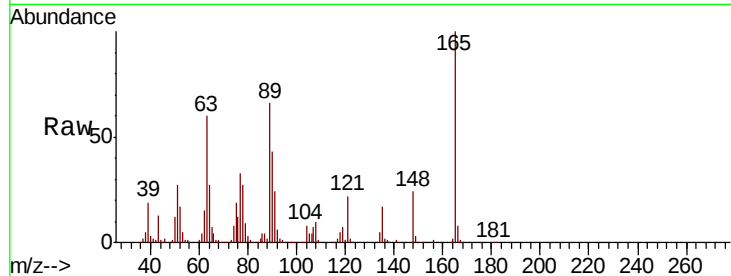
#51  
2,6-Dinitrotoluene  
Concen: 63.546 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampled :  
T4-S-CMS

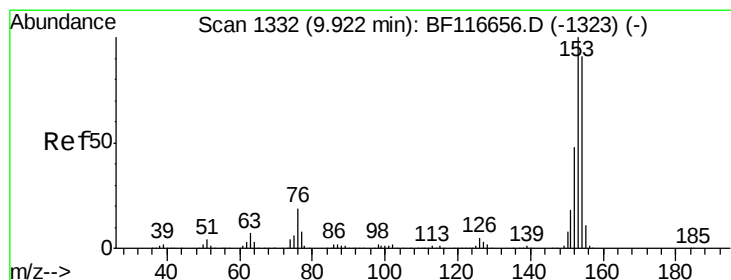
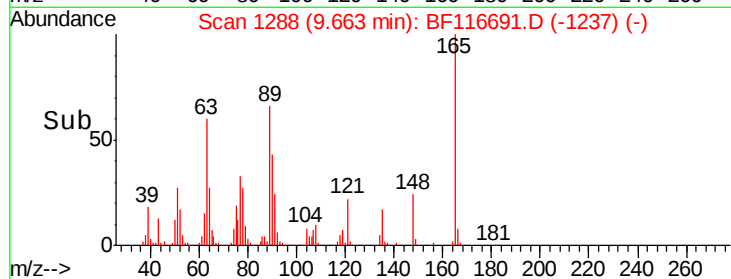
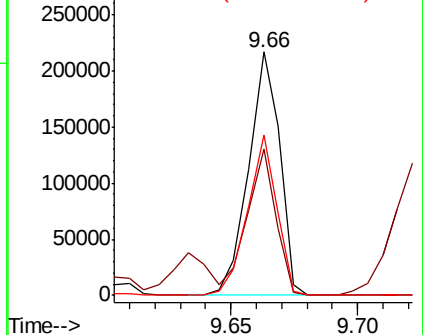
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 186340 |       |       |
| 63      | 59.9  | 47.3   | 70.9  |       |
| 89      | 66.1  | 52.5   | 78.7  |       |

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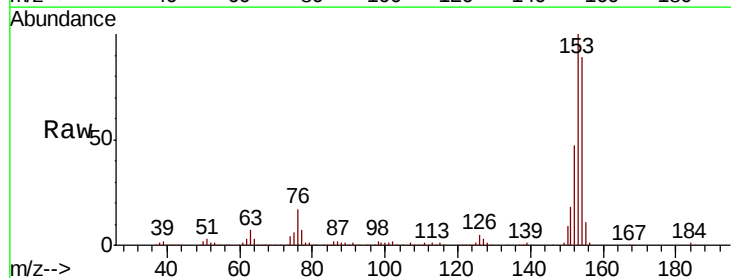


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

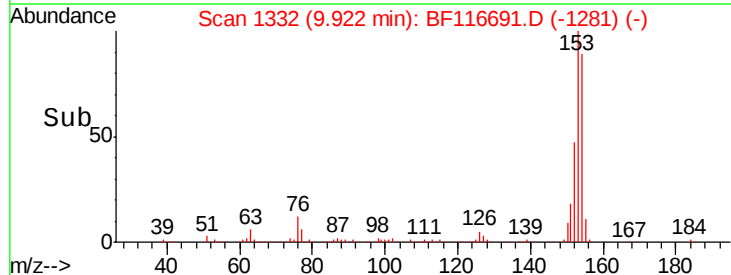
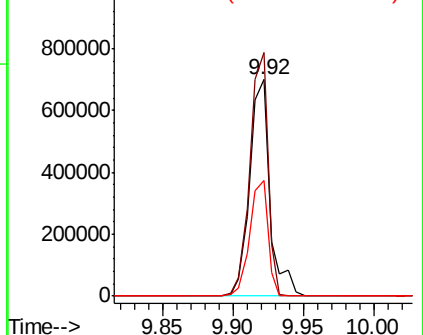


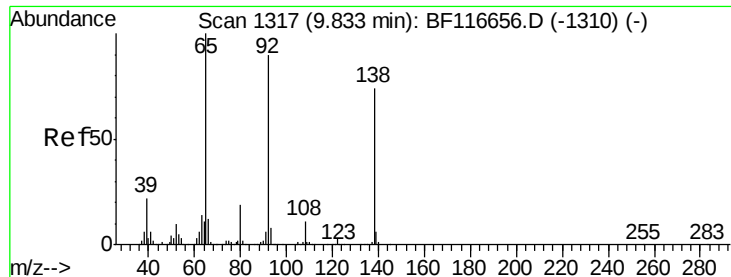
#52  
Acenaphthene  
Concen: 56.992 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 708232 |       |       |
| 153     | 112.6 | 89.5   | 134.3 |       |
| 152     | 53.3  | 41.9   | 62.9  |       |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





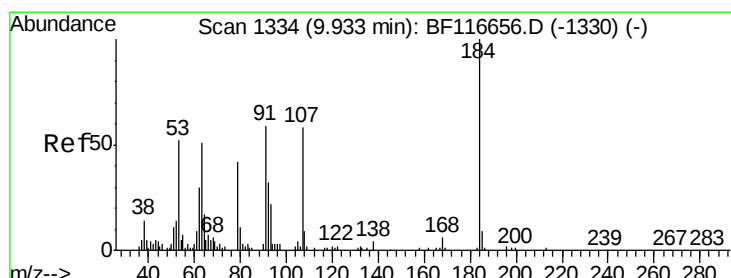
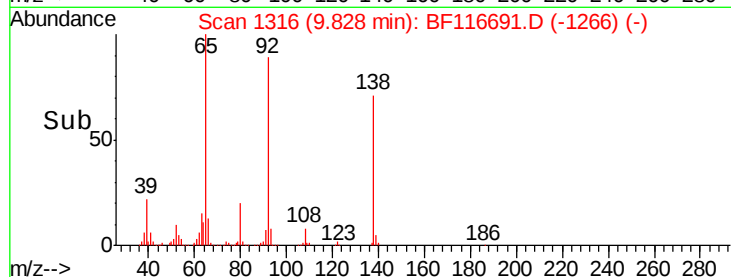
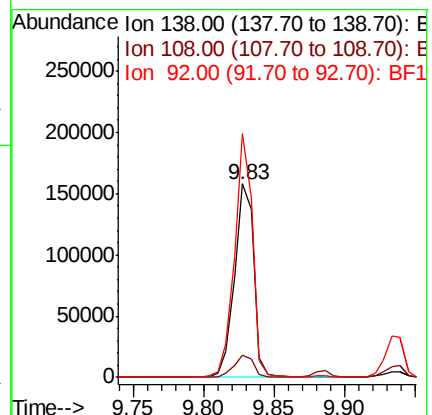
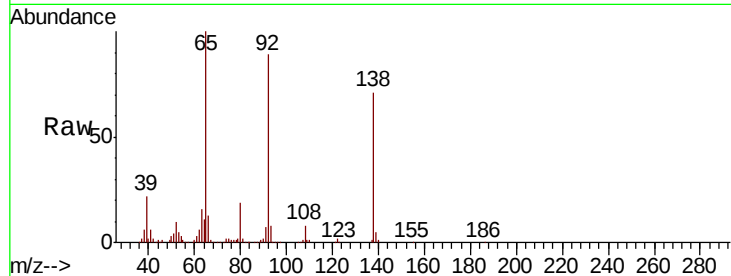
#53  
3-Nitroaniline  
Concen: 40.820 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.4  | 8.5   | 12.7  |
| 92      | 126.0 | 87.2  | 130.8 |

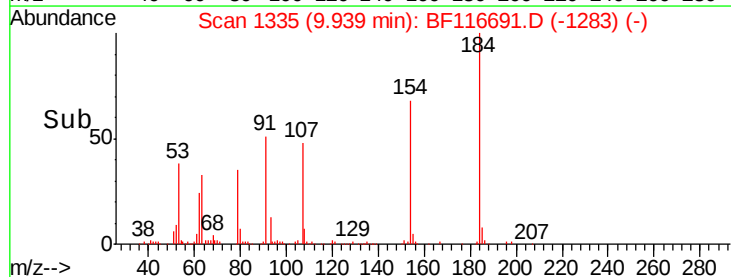
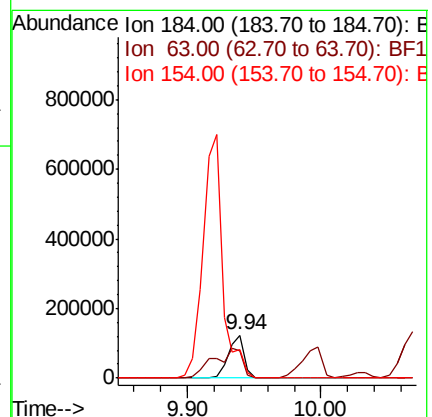
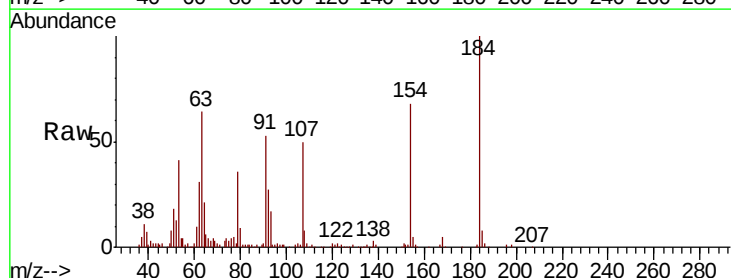
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#54  
2,4-Dinitrophenol  
Concen: 98.254 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. 0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 63.7  | 52.2  | 78.2  |
| 154     | 68.2  | 60.8  | 91.2  |





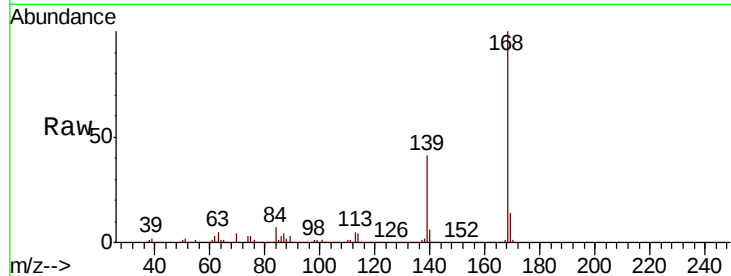
#55  
Dibenzofuran  
Concen: 55.066 ng  
RT: 10.09 min Scan# 1361  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 41.2  | 31.5 | 47.3  |       |
| 169     | 13.5  | 10.3 | 15.5  |       |

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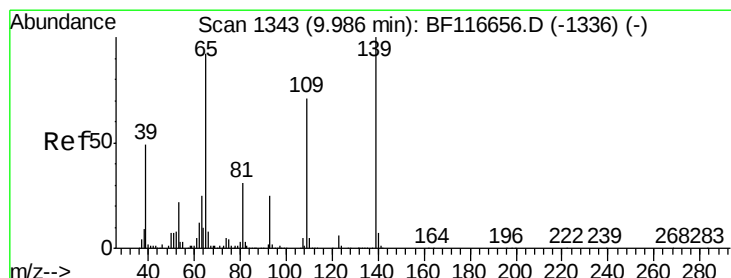
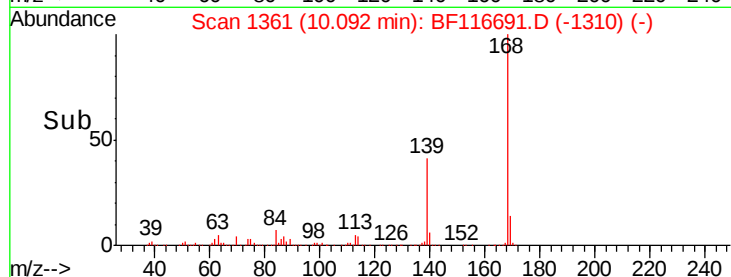
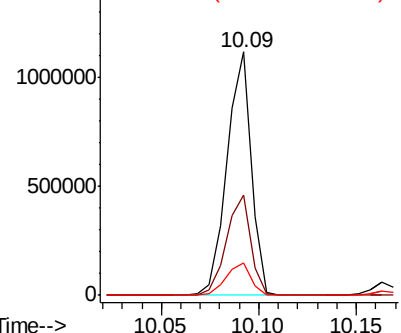


Abundance

Ion 168.00 (167.70 to 168.70): E

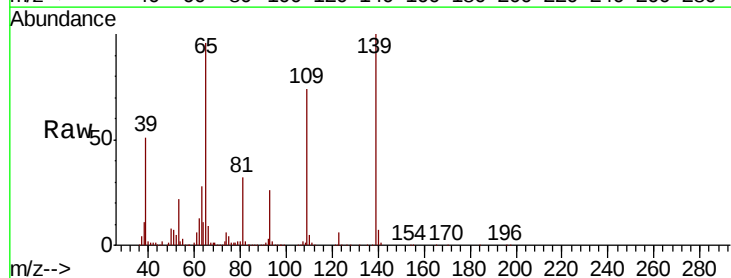
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 135.908 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. 0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 73.9  | 61.7 | 101.7 |       |
| 65      | 96.2  | 89.1 | 129.1 |       |

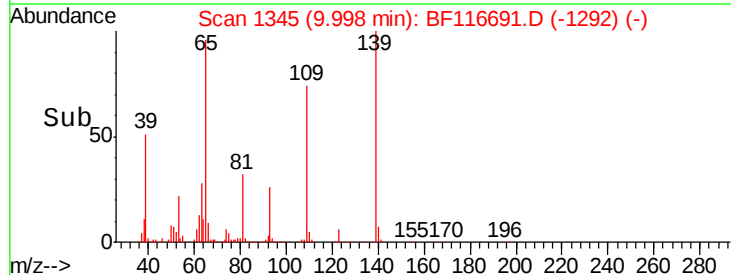
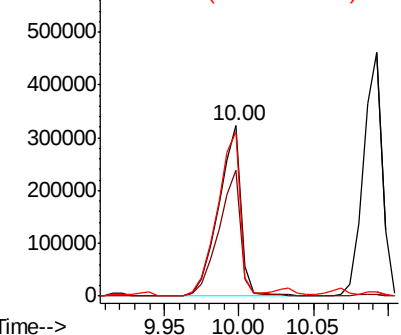


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





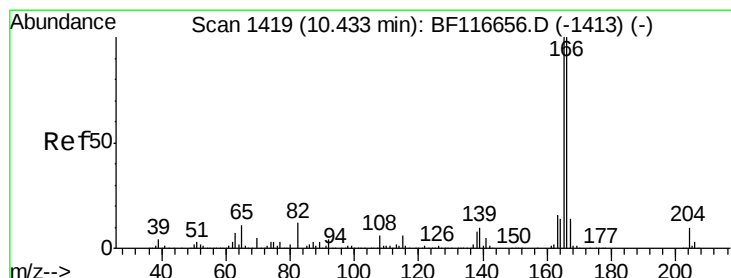
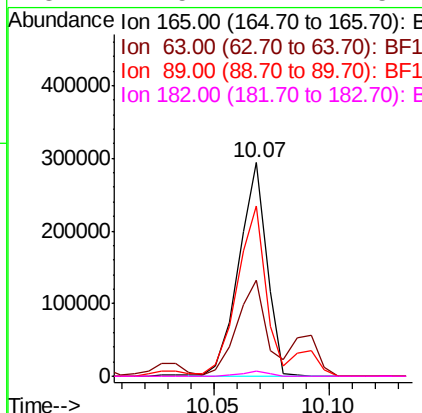
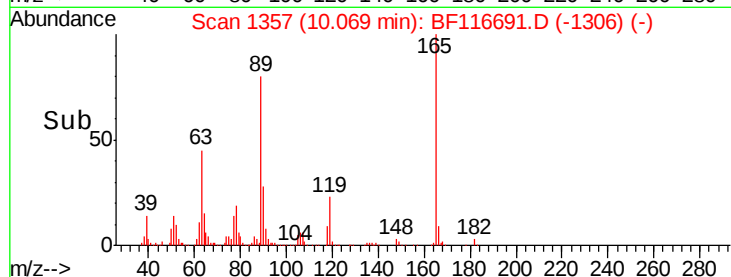
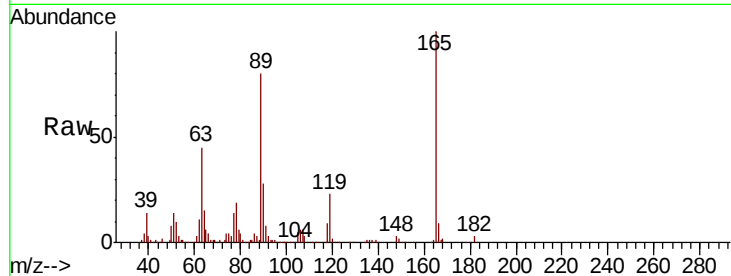
#57  
2,4-Dinitrotoluene  
Concen: 69.543 ng  
RT: 10.07 min Scan# 1357  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 249353 |       |       |
| 63      | 44.9 | 36.4  | 54.6   |       |       |
| 89      | 80.0 | 62.6  | 94.0   |       |       |
| 182     | 2.5  | 2.1   | 3.1    |       |       |

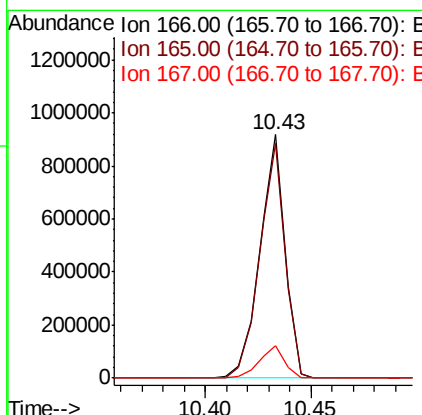
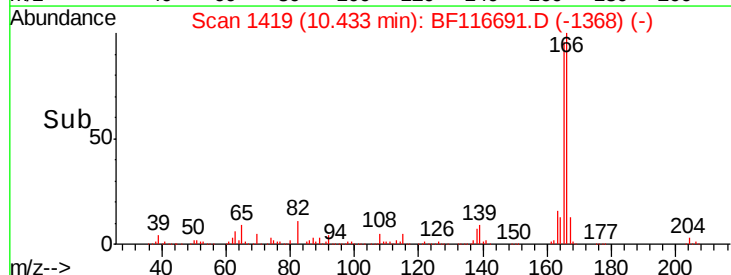
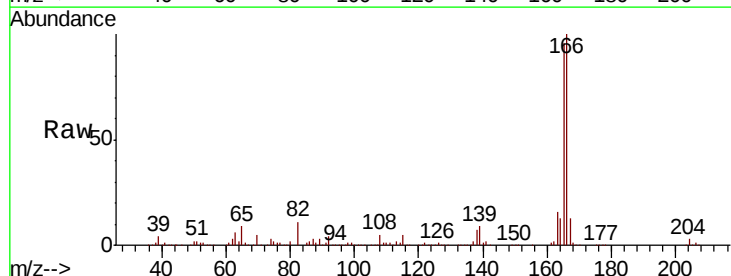
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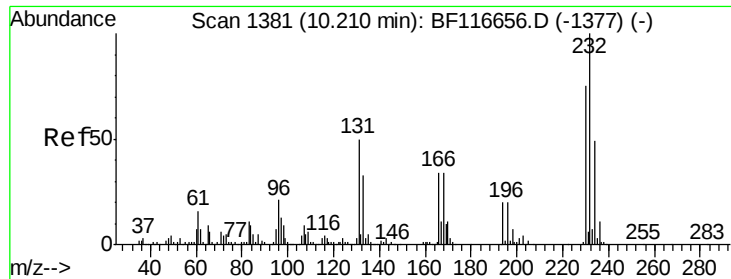
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#58  
Fluorene  
Concen: 56.875 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 759186 |       |       |
| 165     | 96.5 | 78.8  | 118.2  |       |       |
| 167     | 13.1 | 10.0  | 15.0   |       |       |





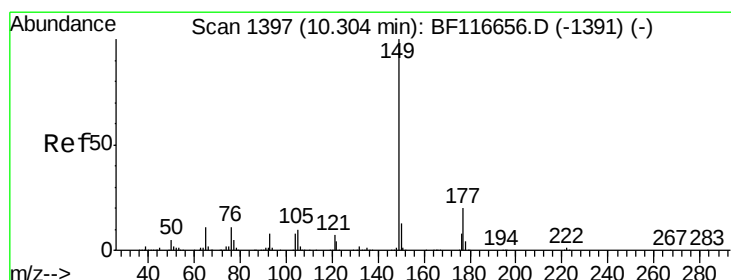
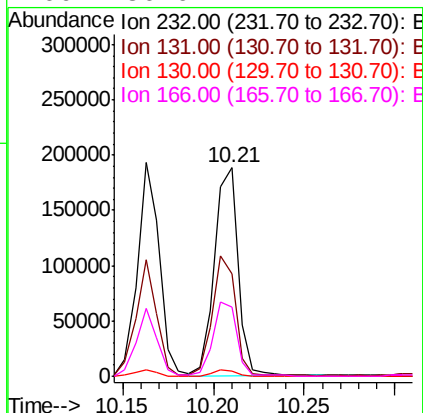
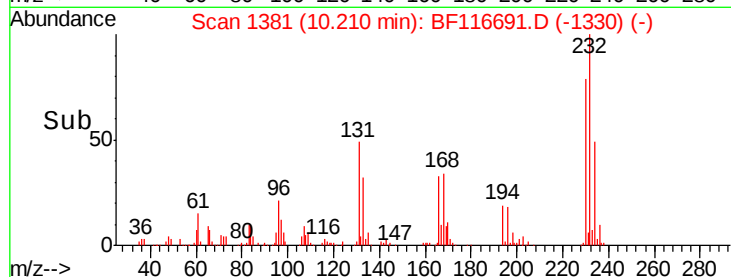
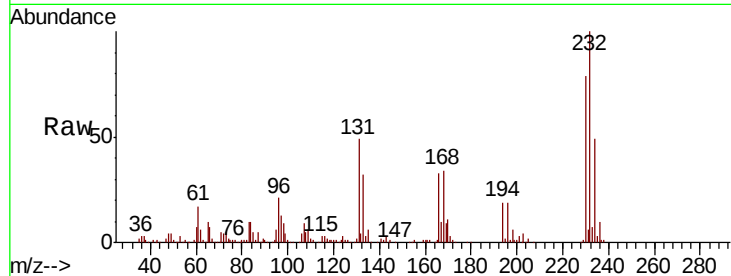
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 62.338 ng  
RT: 10.21 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 170867 |       |       |
| 131     | 56.5  | 42.7   | 64.1  |       |
| 130     | 2.9   | 1.9    | 2.9   |       |
| 166     | 36.6  | 27.4   | 41.2  |       |

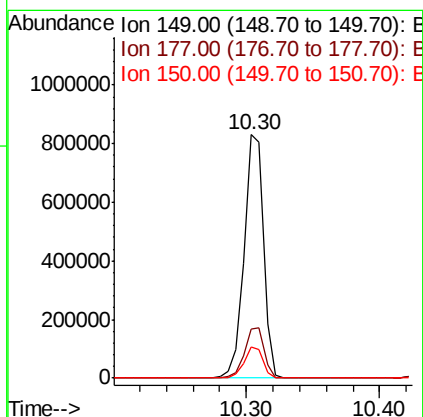
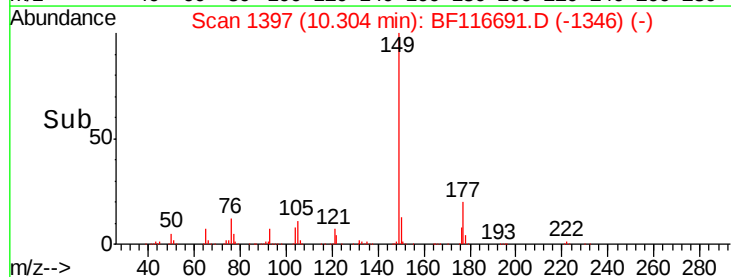
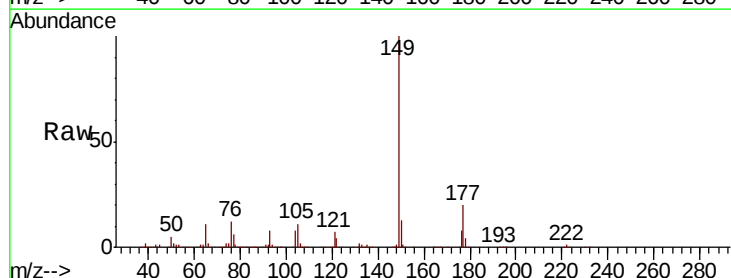
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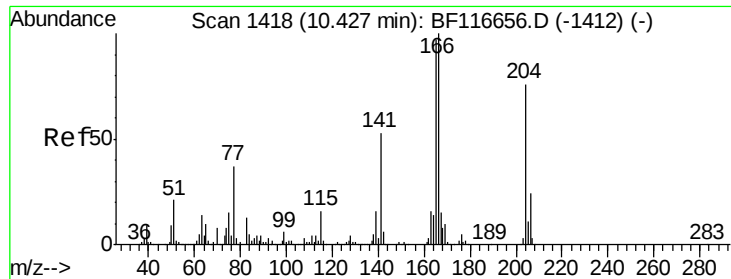
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#60  
Diethylphthalate  
Concen: 53.839 ng  
RT: 10.30 min Scan# 1397  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 828879 |       |       |
| 177     | 20.2  | 17.2   | 25.8  |       |
| 150     | 12.7  | 9.7    | 14.5  |       |





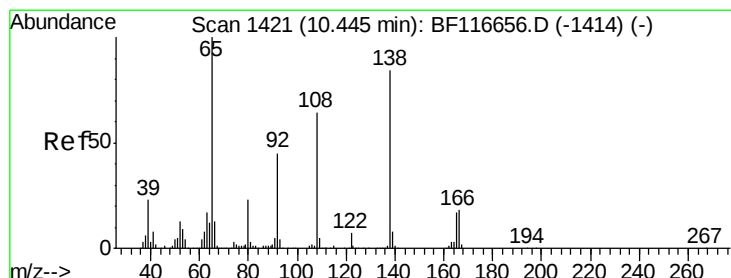
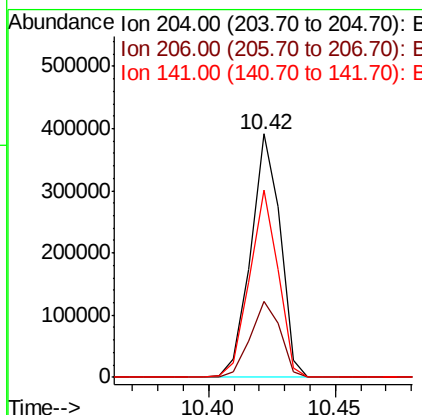
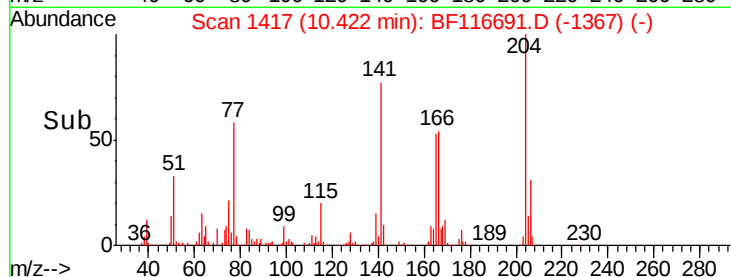
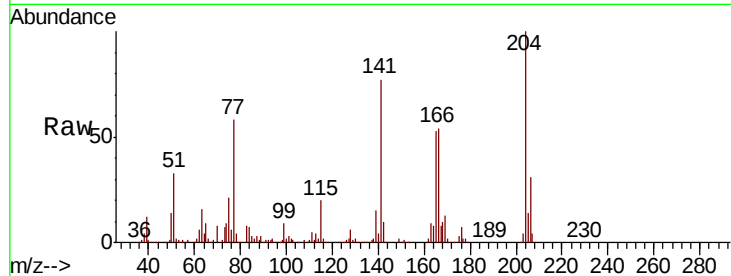
#61  
4-Chlorophenyl-phenylether  
Concen: 54.117 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.3  | 25.4  | 38.2  |
| 141     | 77.1  | 53.8  | 80.8  |

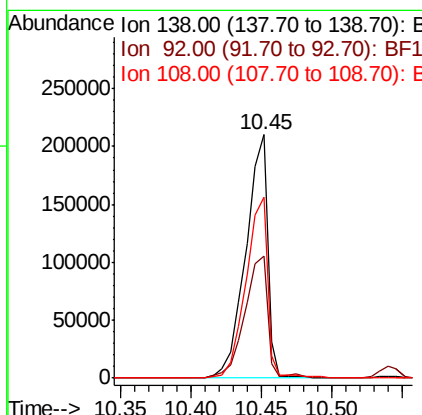
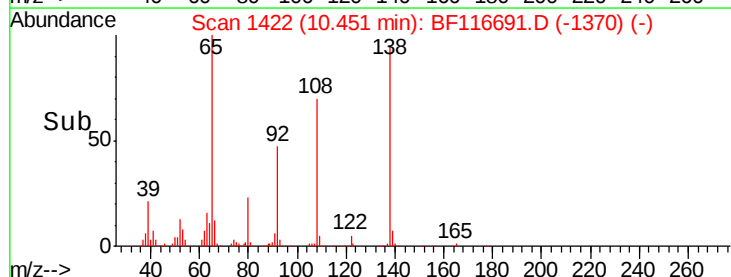
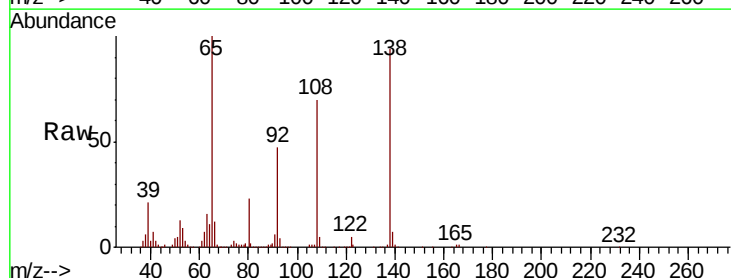
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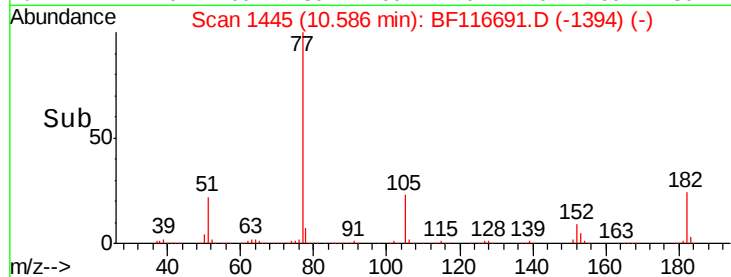
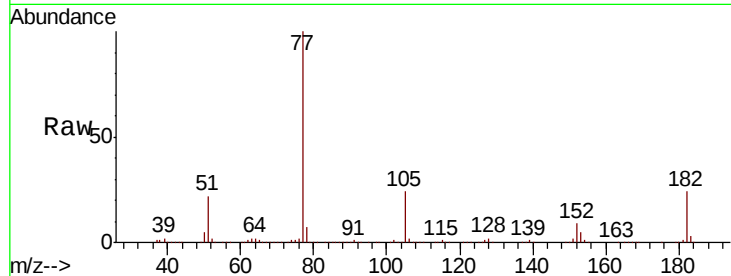
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#62  
4-Nitroaniline  
Concen: 64.161 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. 0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.9  | 28.7  | 68.7  |
| 108     | 74.3  | 60.4  | 100.4 |





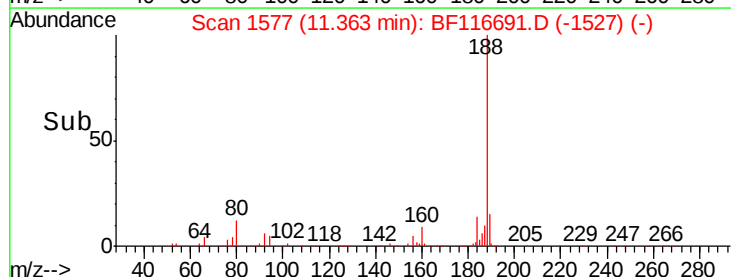
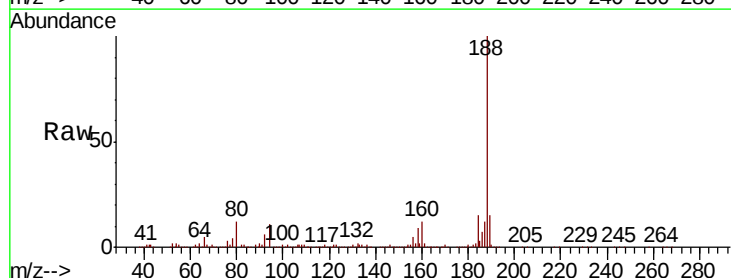
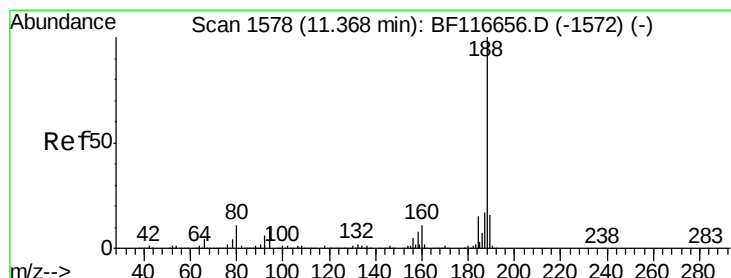
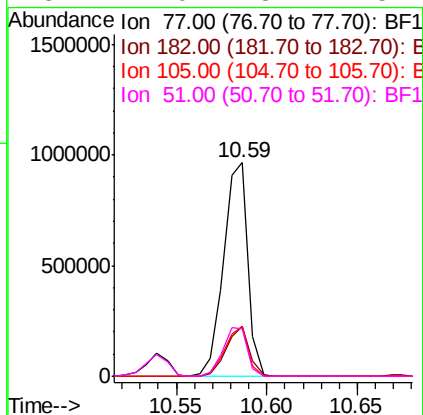
#63  
Azobenzene  
Concen: 55.926 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 77      | 77  | 100   | 897797 |       |       |
| 182     | 182 | 23.7  | 1.2    | 41.2  |       |
| 105     | 105 | 23.6  | 0.6    | 40.6  |       |
| 51      | 51  | 22.0  | 8.2    | 48.2  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

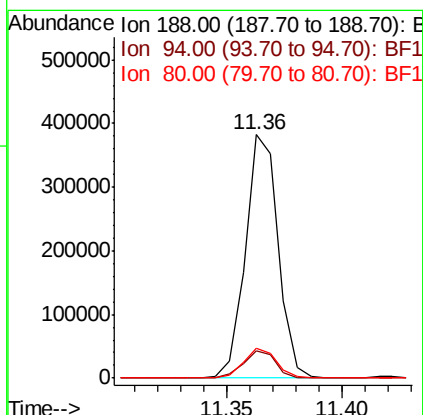
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 188 | 100   | 377815 |       |       |
| 94      | 94  | 11.4  | 7.3    | 10.9# |       |
| 80      | 80  | 12.3  | 8.4    | 12.6  |       |





#65

4,6-Dinitro-2-methylphenol

Concen: 63.222 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

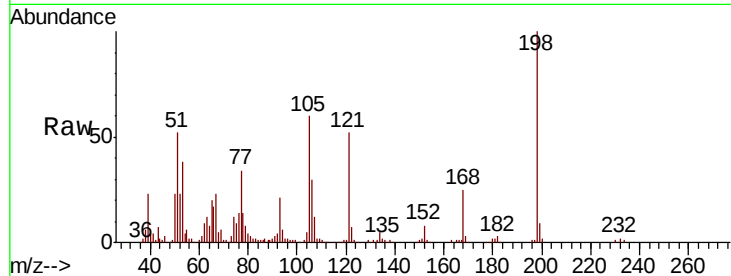
ClientSampleId :

T4-S-CMS

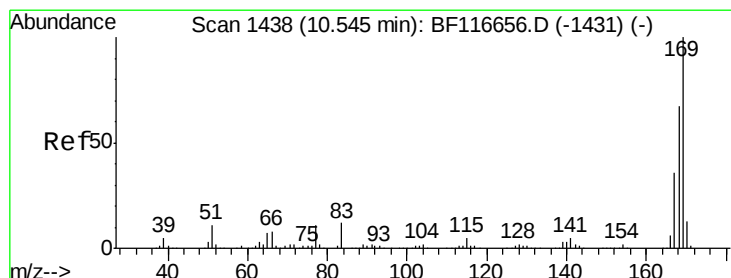
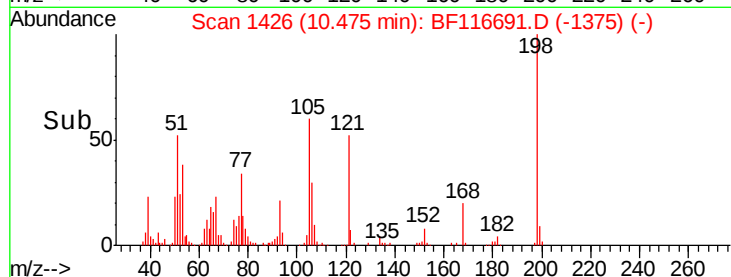
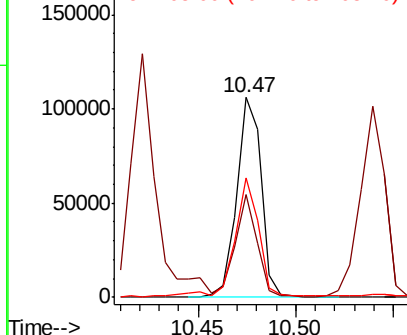
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 91863 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 51.6  | 18.4  | 58.4  |
| 105       | 59.5  | 22.9  | 62.9  |

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Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 53.090 ng

RT: 10.54 min Scan# 1437

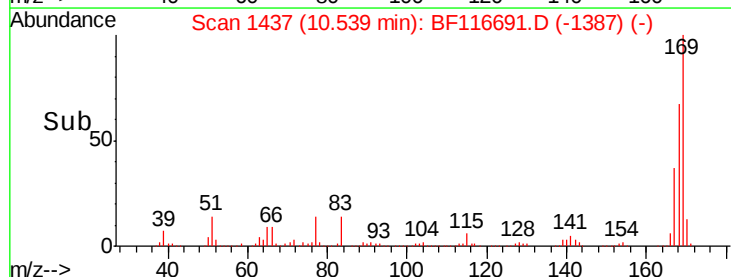
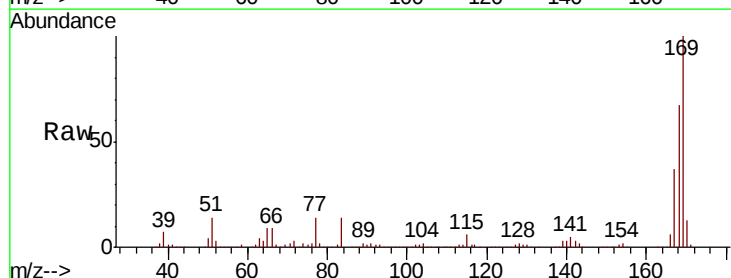
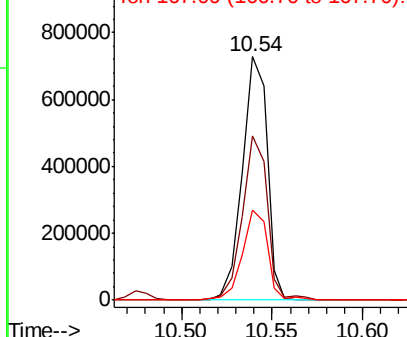
Delta R.T. -0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 693885 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.2  | 55.8  | 83.6   |
| 167       | 36.8  | 29.4  | 44.2   |

Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E





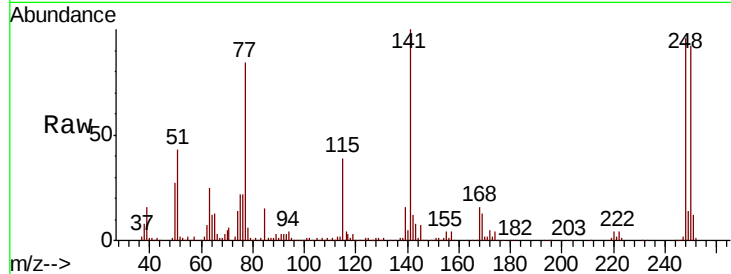
#67  
 4-Bromophenyl-phenylether  
 Concen: 51.545 ng  
 RT: 10.91 min Scan# 1500  
 Delta R.T. -0.01 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.2  | 77.8  | 116.8 |
| 141     | 104.0 | 75.9  | 113.9 |

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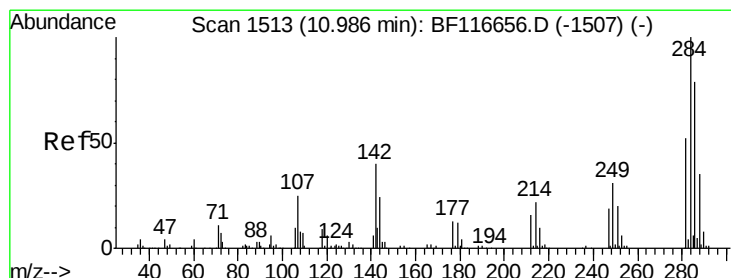
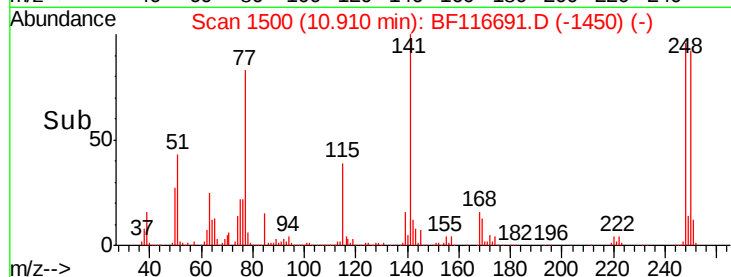
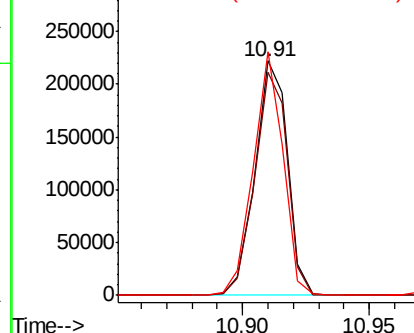


Abundance

Ion 248.00 (247.70 to 248.70): E

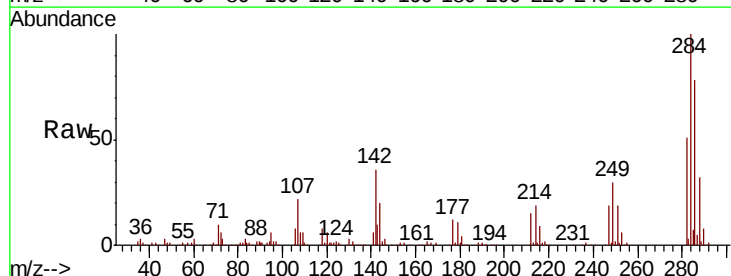
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 51.225 ng  
 RT: 10.99 min Scan# 1513  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.6  | 34.0  | 51.0  |
| 249     | 30.5  | 26.4  | 39.6  |

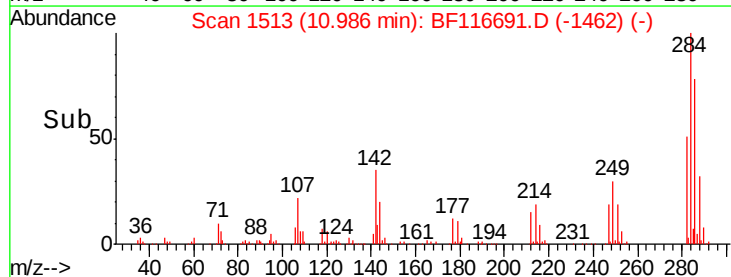
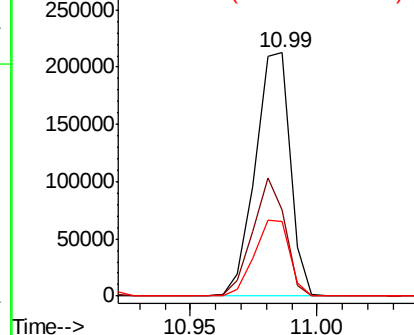


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





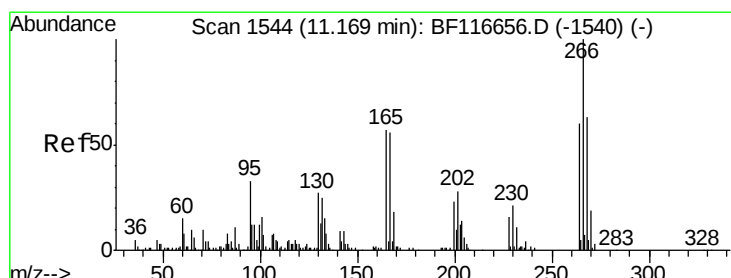
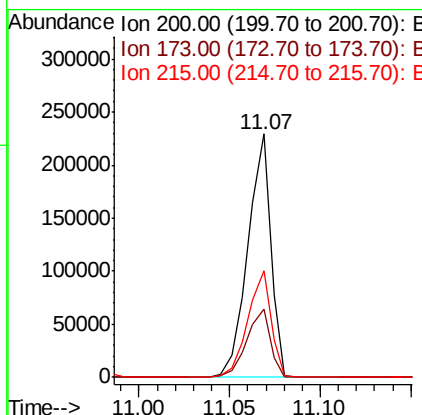
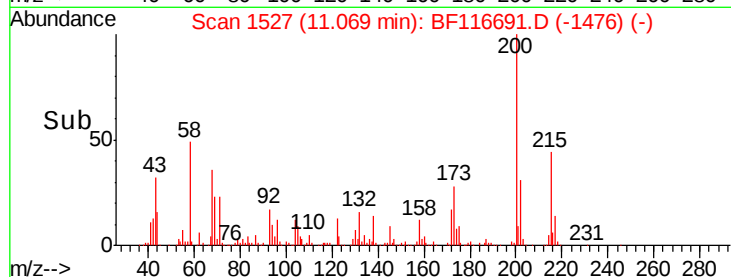
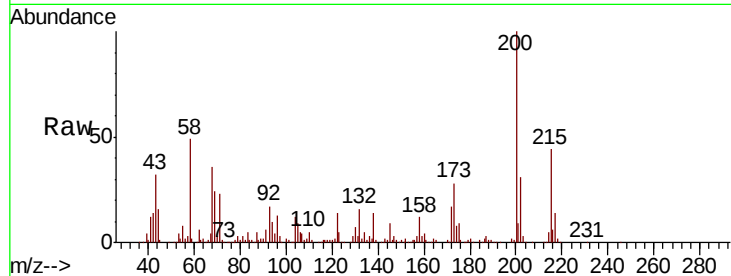
#69  
Atrazine  
Concen: 55.235 ng  
RT: 11.07 min Scan# 1527  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 28.2  | 6.2        | 46.2       |
| 215     | 44.1  | 24.3       | 64.3       |

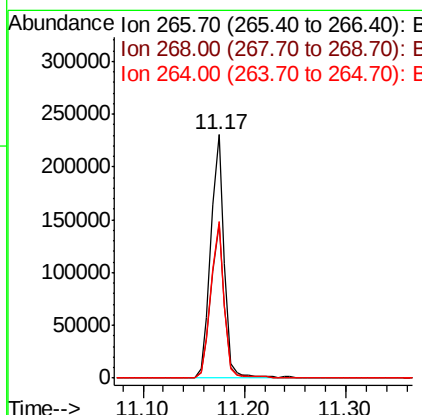
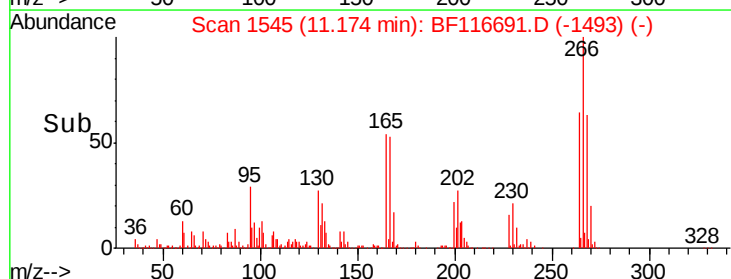
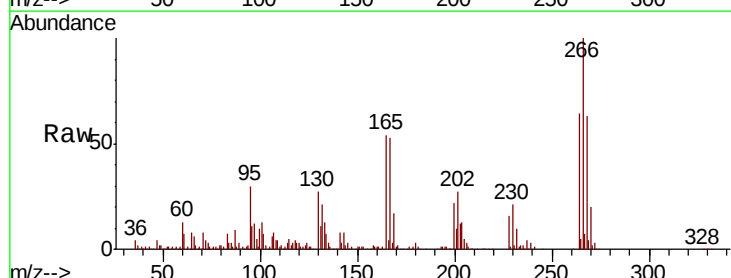
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#70  
Pentachlorophenol  
Concen: 110.683 ng  
RT: 11.17 min Scan# 1545  
Delta R.T. 0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 63.3  | 51.2       | 76.8       |
| 264     | 64.5  | 51.9       | 77.9       |





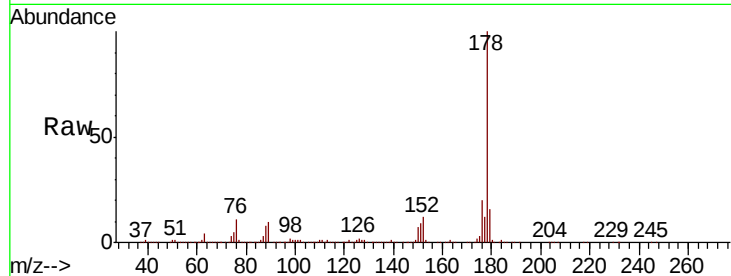
#71  
Phenanthrene  
Concen: 62.796 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

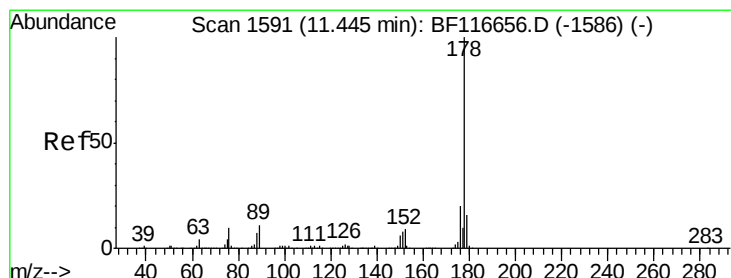
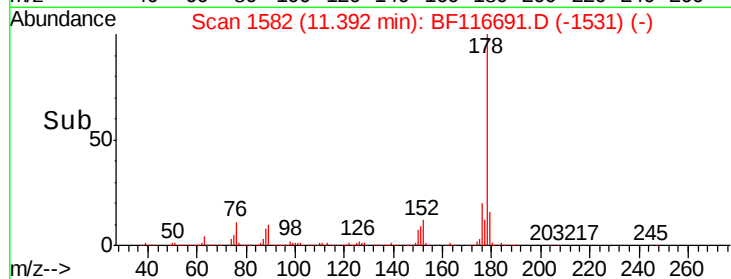
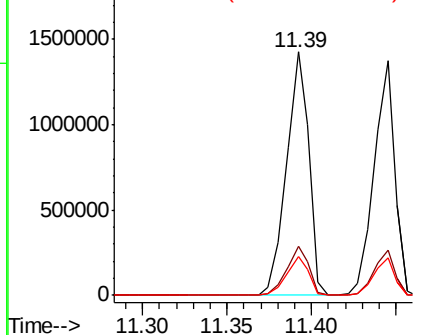
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.3  | 15.4  | 23.0  |
| 179     | 15.7  | 12.2  | 18.2  |

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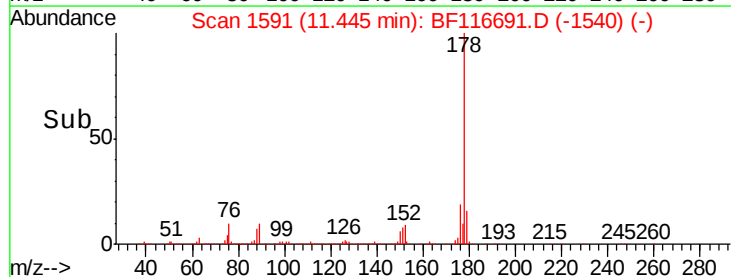
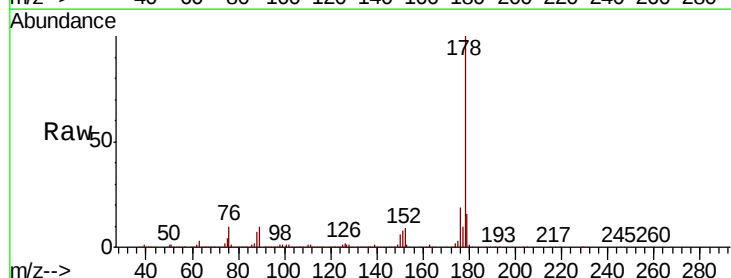
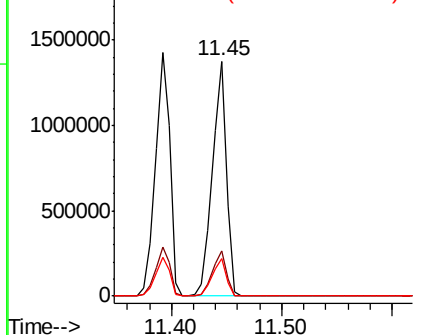
Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

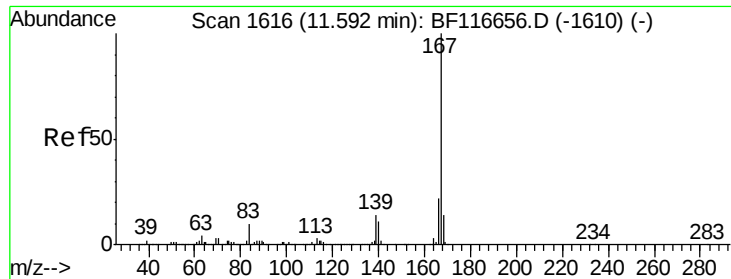


#72  
Anthracene  
Concen: 56.052 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.4  | 23.0  |
| 179     | 15.7  | 12.5  | 18.7  |

Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





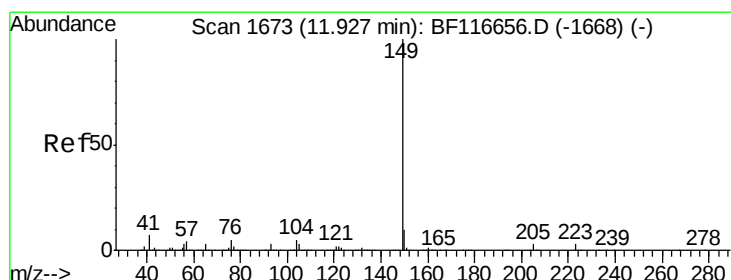
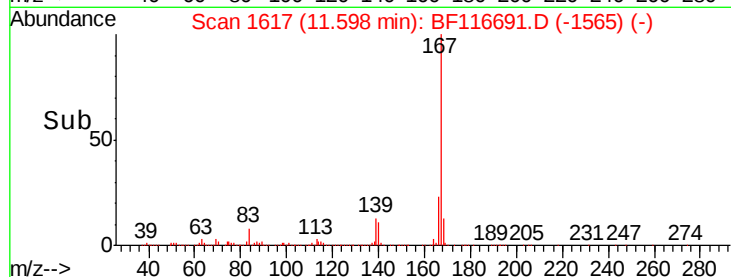
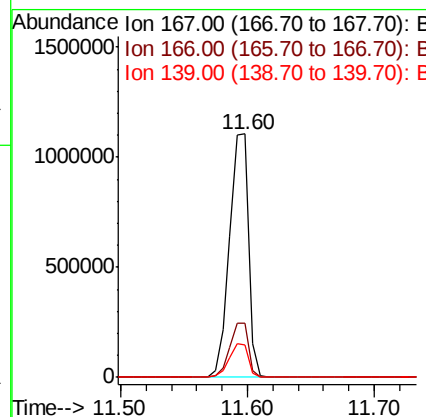
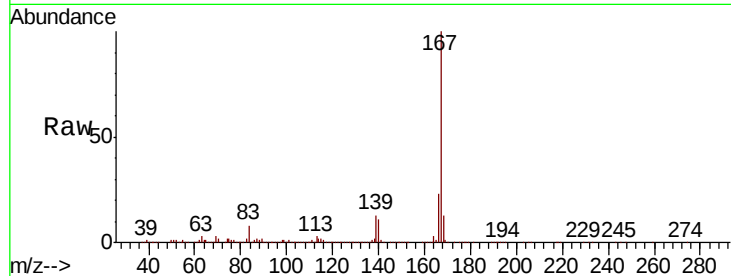
#73  
 Carbazole  
 Concen: 57.296 ng  
 RT: 11.60 min Scan# 1617  
 Delta R.T. 0.01 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.5  | 17.8  | 26.6  |
| 139     | 13.4  | 11.1  | 16.7  |

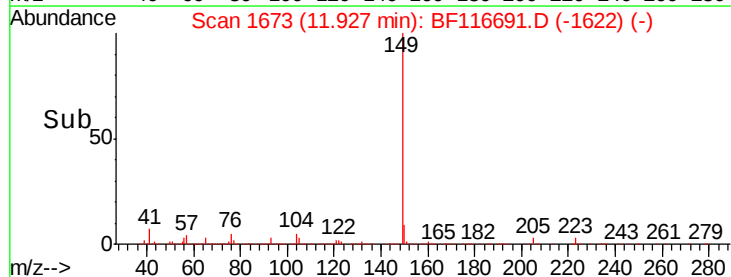
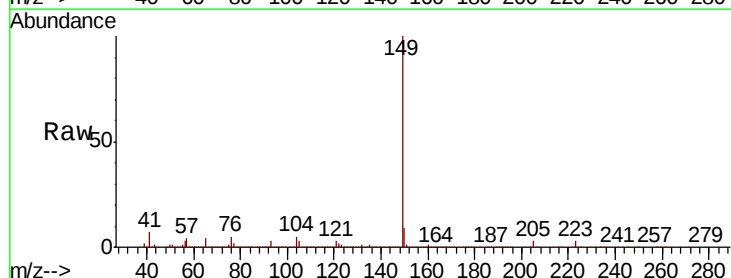
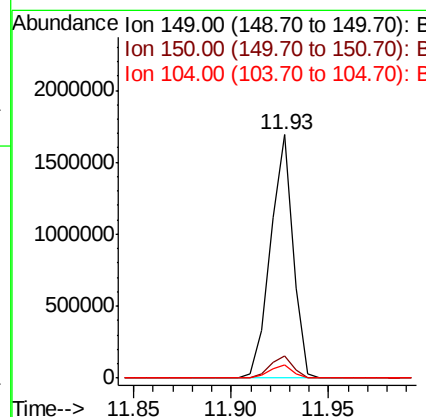
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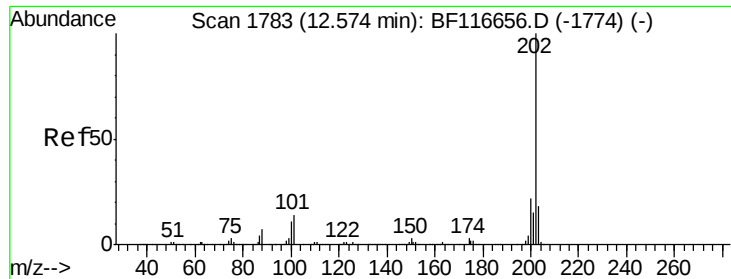
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#74  
 Di-n-butylphthalate  
 Concen: 52.278 ng  
 RT: 11.93 min Scan# 1673  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 7.2   | 10.8  |
| 104     | 5.2   | 4.2   | 6.2   |





#75

Fluoranthene

Concen: 71.213 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

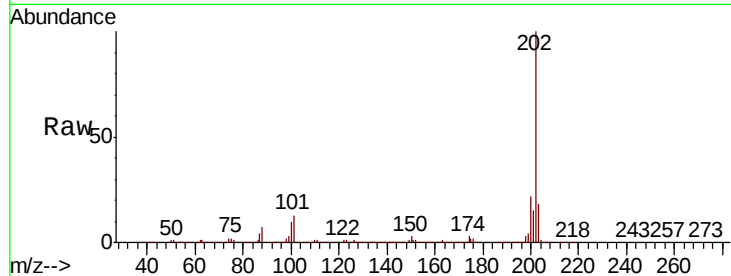
ClientSampleId :

T4-S-CMS

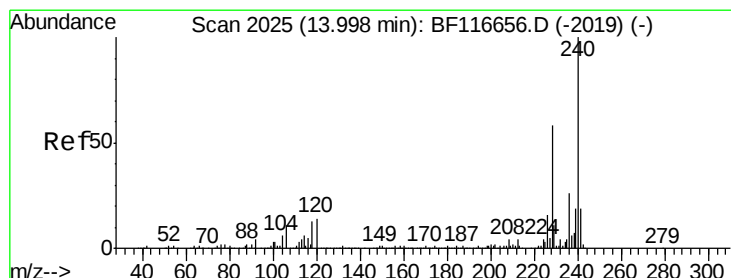
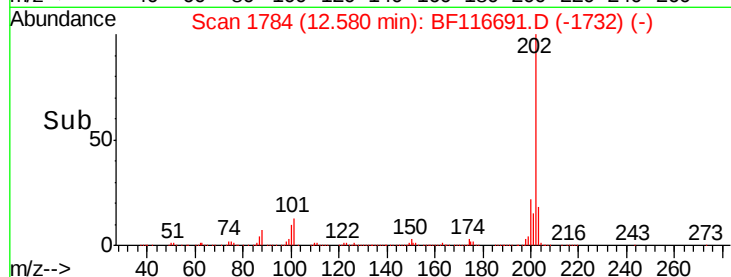
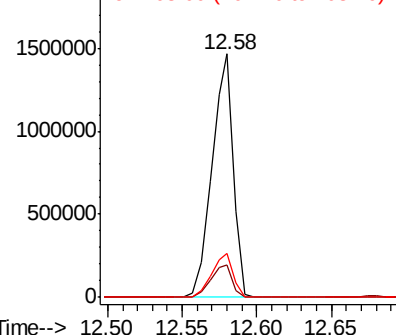
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 1471892 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 13.2  | 0.0   | 31.3    |
| 203      | 17.9  | 0.0   | 37.6    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
2000000  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

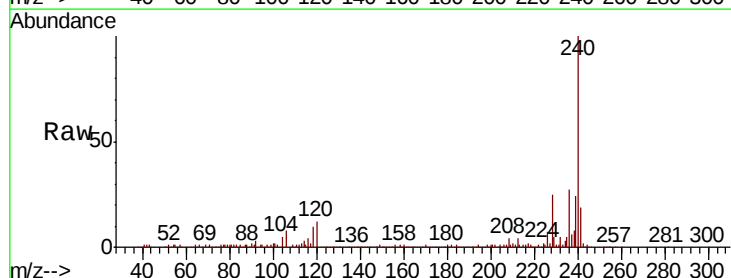
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

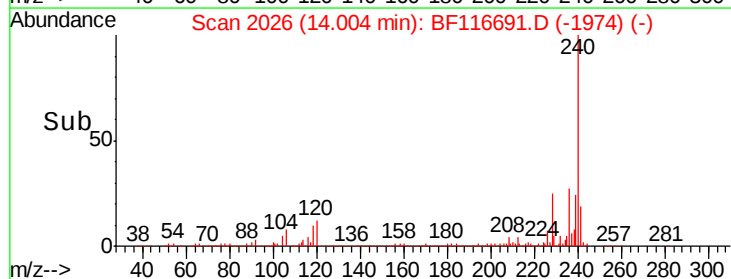
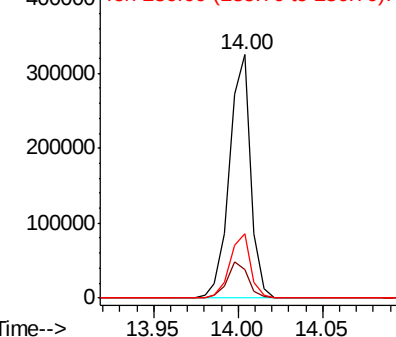
Lab File: BF116691.D

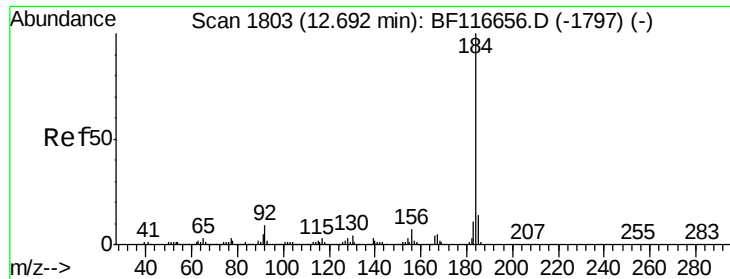
Acq: 31 Aug 2019 11:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 284885 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 11.8  | 9.1   | 13.7   |
| 236      | 26.6  | 21.1  | 31.7   |



Abundance Ion 240.00 (239.70 to 240.70): E  
400000  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 43.838 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

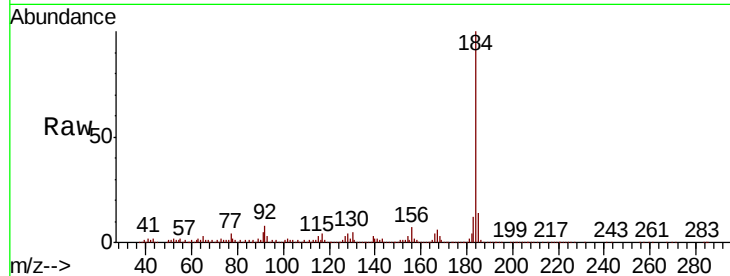
ClientSampleId :

T4-S-CMS

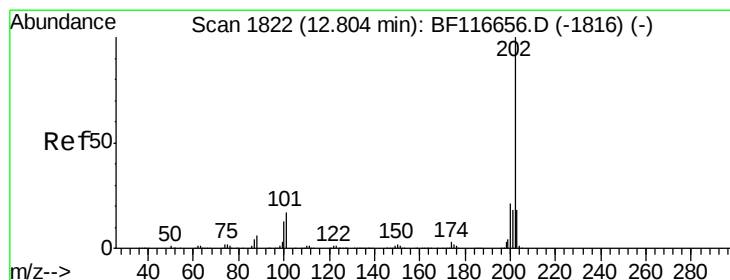
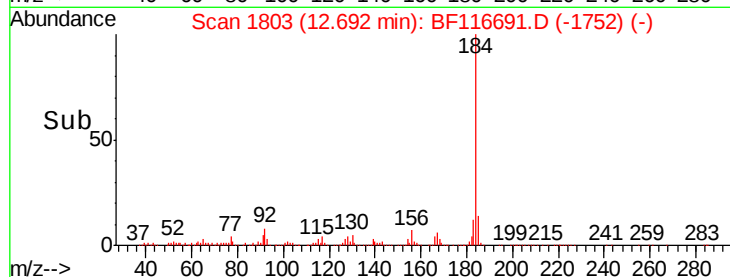
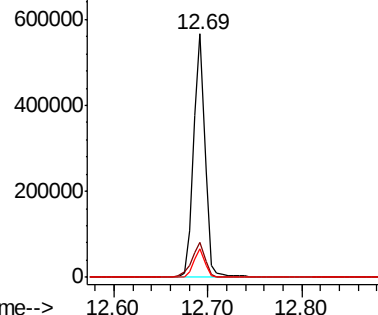
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 489840 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.1  | 11.3  | 16.9   |
| 183       | 11.9  | 9.2   | 13.8   |

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Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 57.450 ng

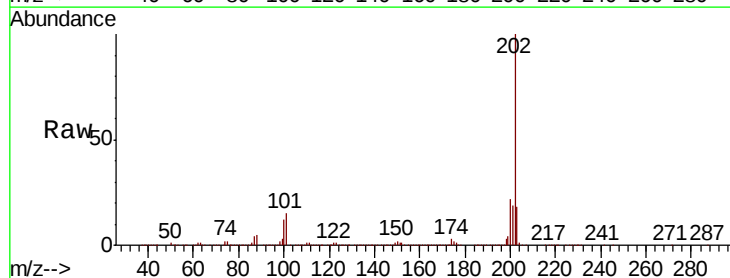
RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

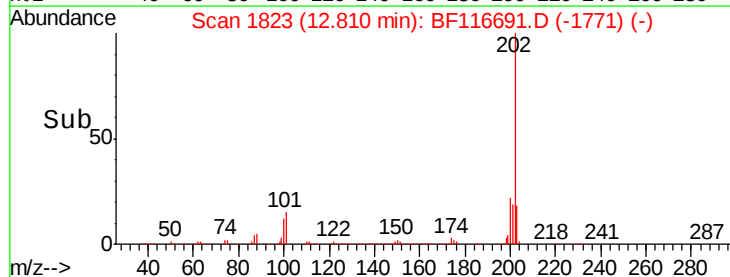
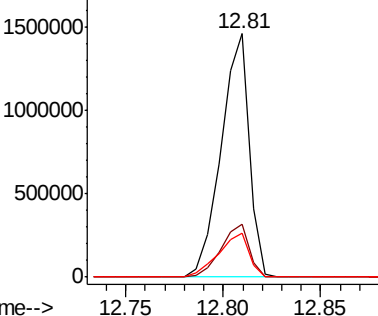
Lab File: BF116691.D

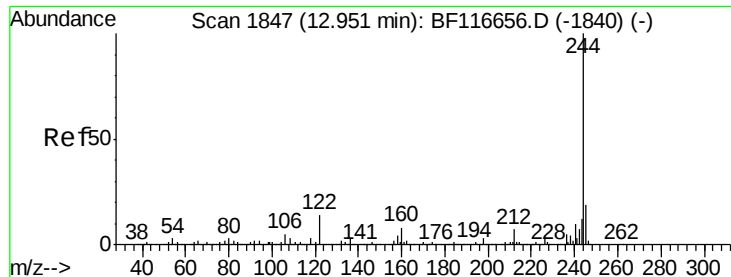
Acq: 31 Aug 2019 11:35

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1454882 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.8  | 16.5  | 24.7    |
| 203       | 17.9  | 13.7  | 20.5    |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





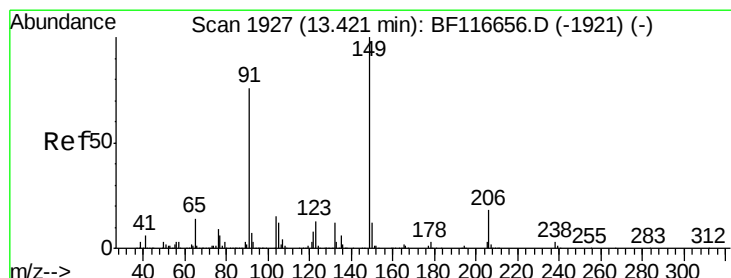
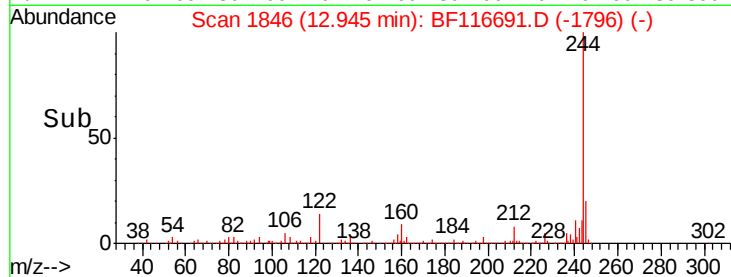
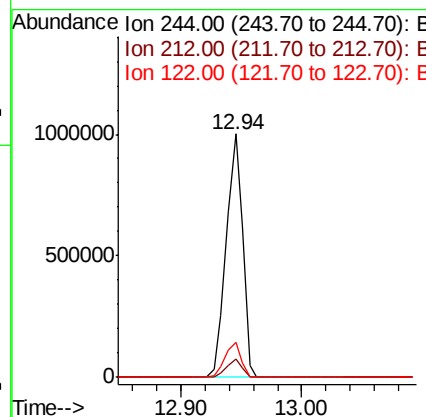
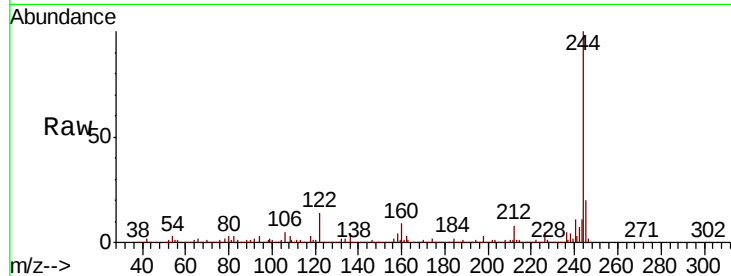
#79  
Terphenyl-d14  
Concen: 60.819 ng  
RT: 12.94 min Scan# 1846  
Delta R.T. -0.01 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 7.5   | 6.1  | 9.1   |       |
| 122     | 14.5  | 10.2 | 15.4  |       |

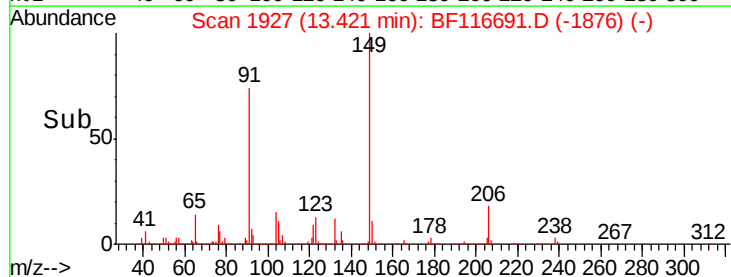
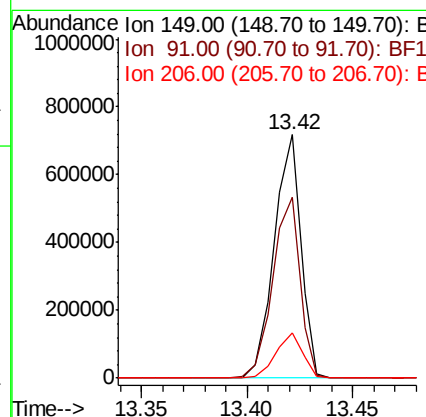
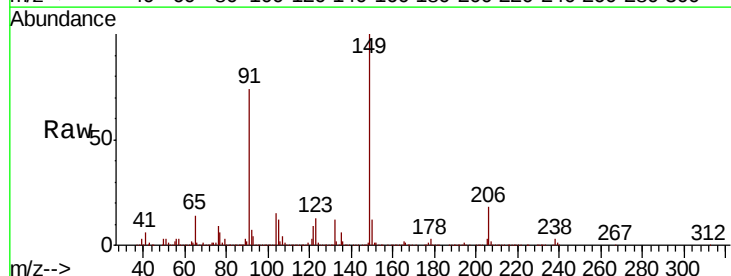
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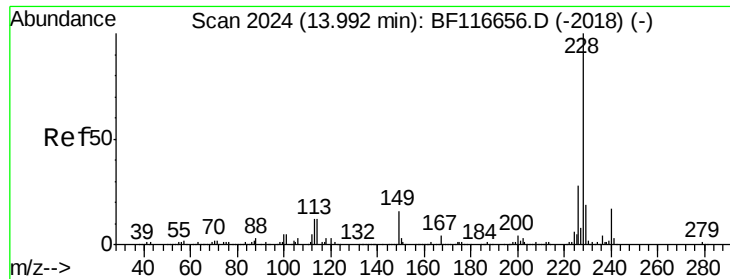
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#80  
Butylbenzylphthalate  
Concen: 51.369 ng  
RT: 13.42 min Scan# 1927  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 91      | 74.2  | 61.0 | 91.4  |       |
| 206     | 18.4  | 14.8 | 22.2  |       |





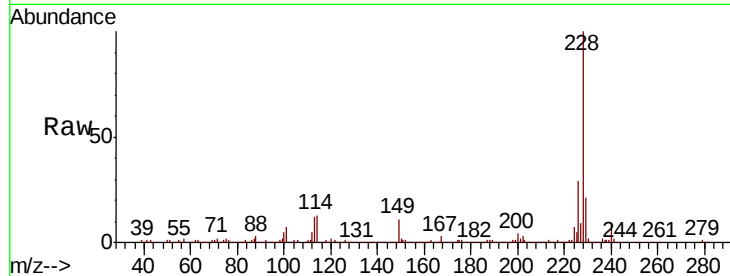
#81  
Benzo(a)anthracene  
Concen: 60.413 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 22.0  | 33.0  |
| 229     | 20.8  | 16.4  | 24.6  |

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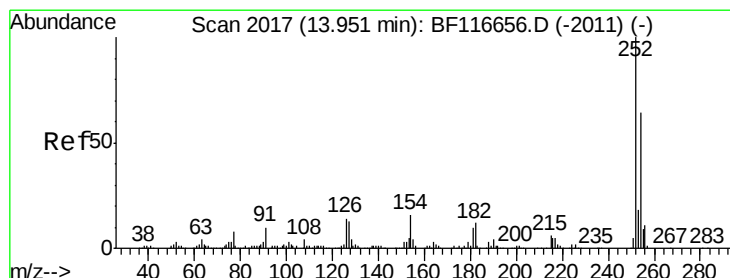
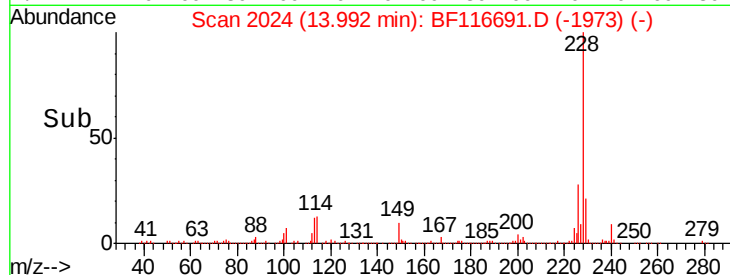
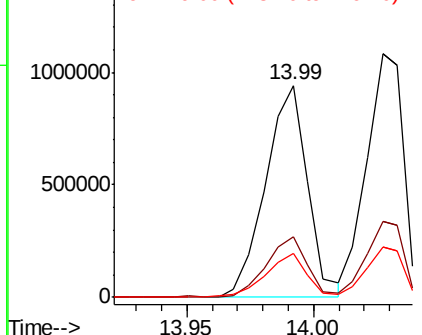


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82  
3,3'-Dichlorobenzidine  
Concen: 35.423 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. 0.00 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

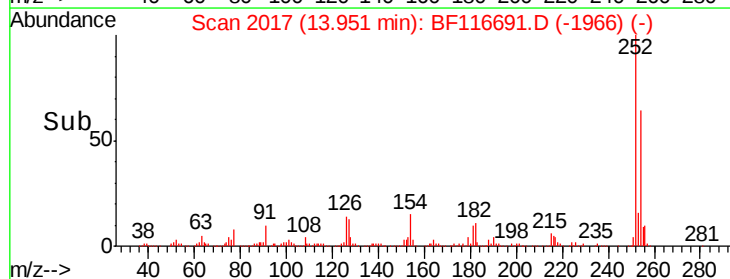
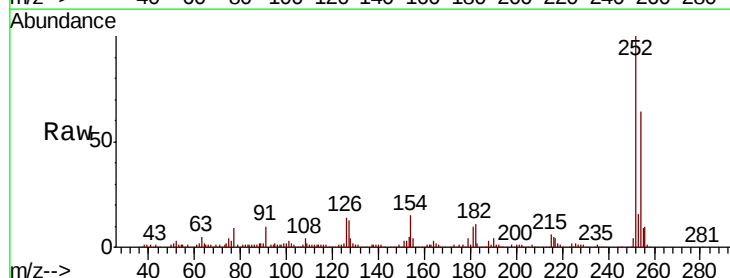
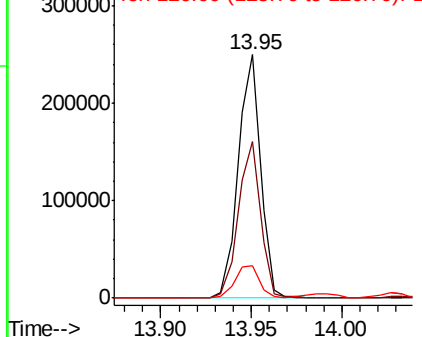
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.5  | 50.1  | 75.1  |
| 126     | 13.5  | 10.6  | 16.0  |

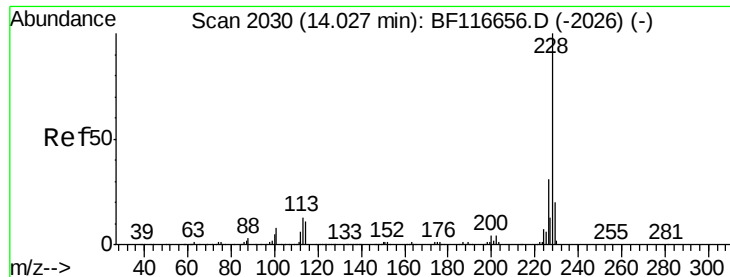
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





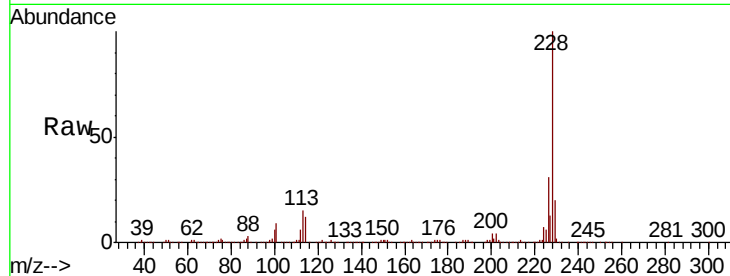
#83  
 Chrysene  
 Concen: 58.989 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.0  | 36.0  |
| 229     | 20.5  | 15.4  | 23.0  |

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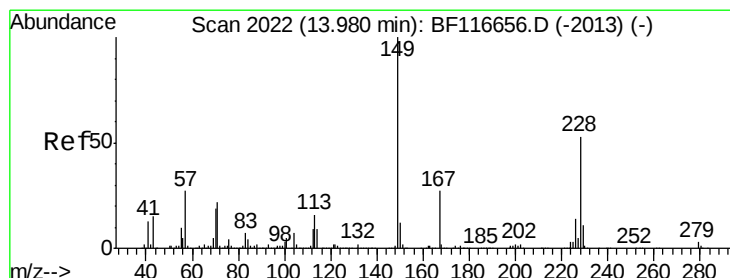
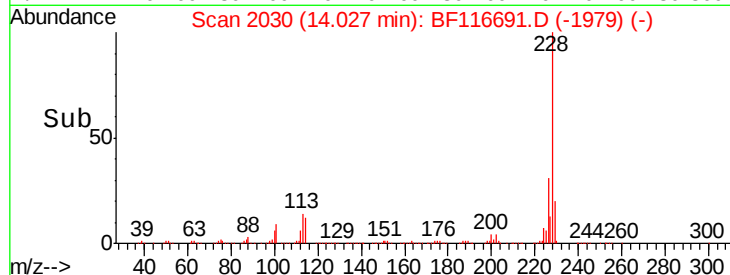
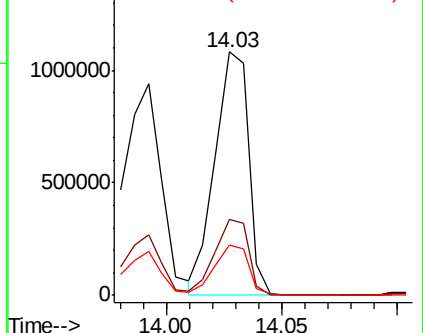


Abundance

Ion 228.00 (227.70 to 228.70): E

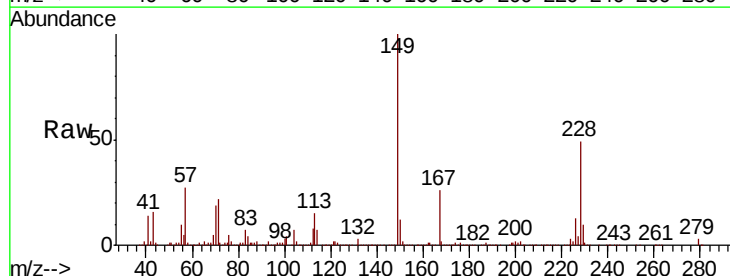
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 55.002 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. 0.00 min  
 Lab File: BF116691.D  
 Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.4  | 21.0  | 31.4  |
| 279     | 3.1   | 2.8   | 4.2   |

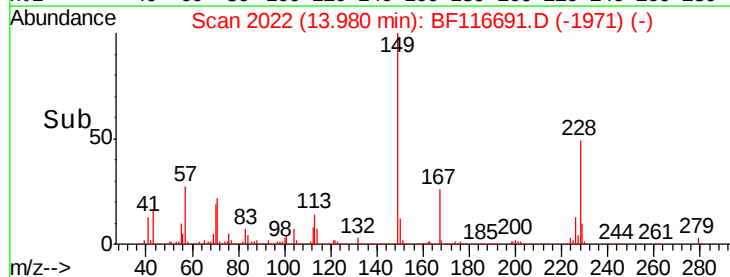
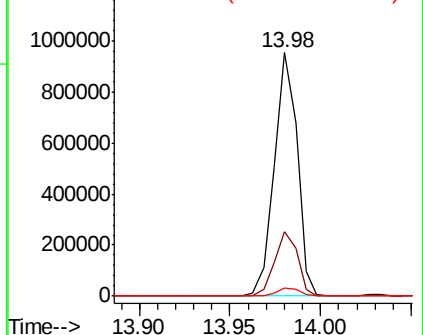


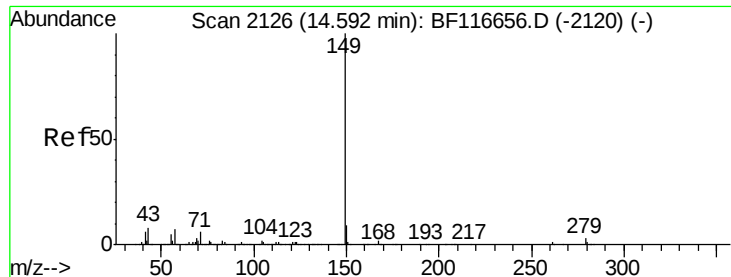
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 61.453 ng

RT: 14.59 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

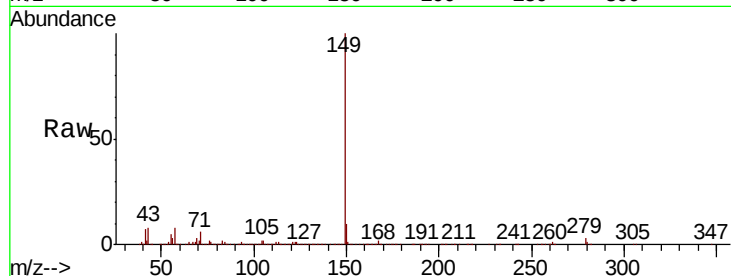
ClientSampleId :

T4-S-CMS

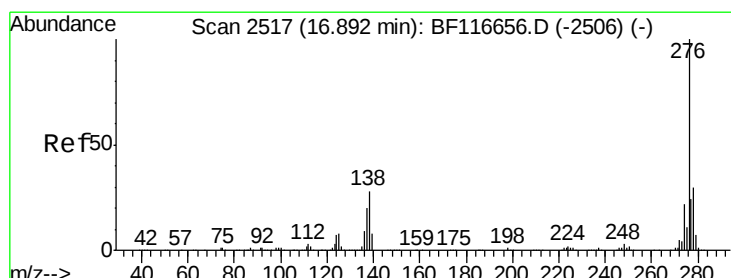
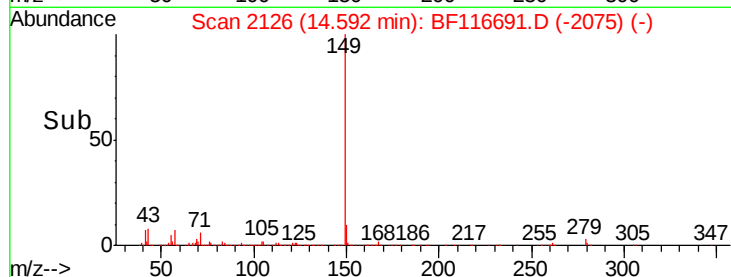
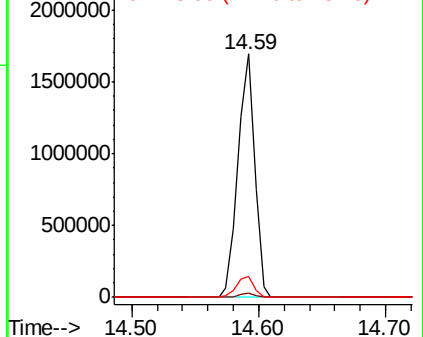
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 149   | Resp: | 1528827 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 1.6   | 1.3   | 1.9     |
| 43       | 8.6   | 7.8   | 11.8    |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 63.768 ng

RT: 16.90 min Scan# 2519

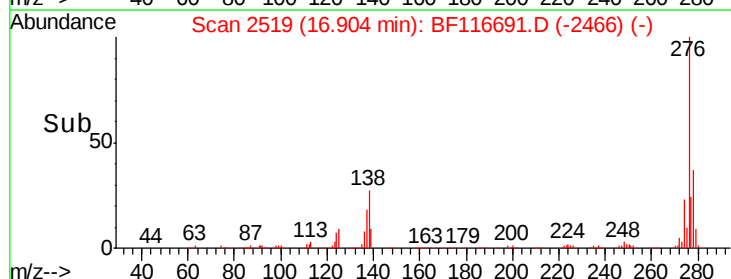
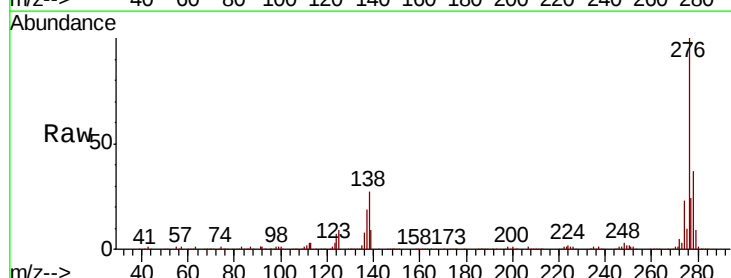
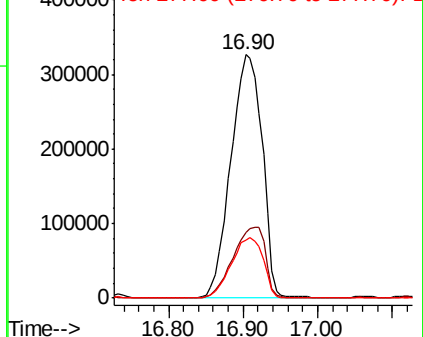
Delta R.T. 0.01 min

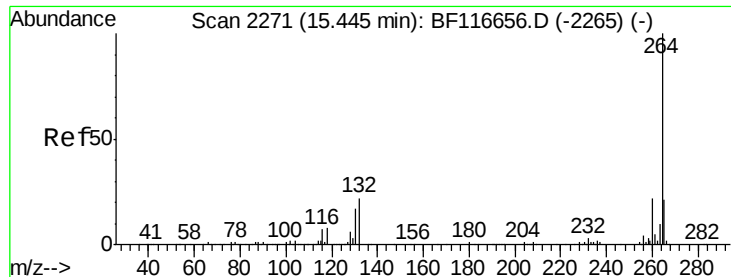
Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 951438 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 138      | 30.0  | 19.4  | 29.2#  |
| 277      | 25.1  | 20.5  | 30.7   |

Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

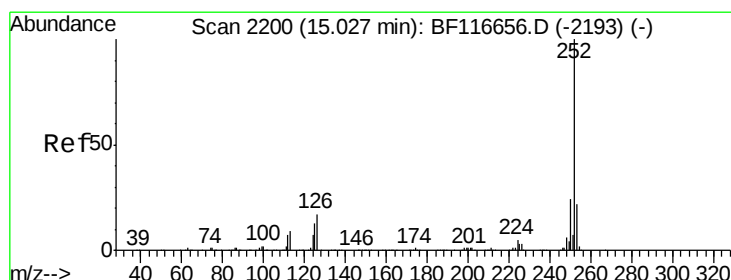
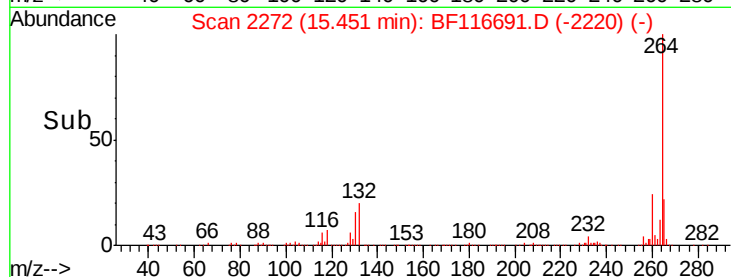
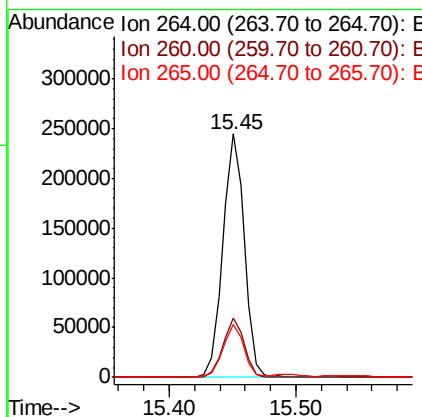
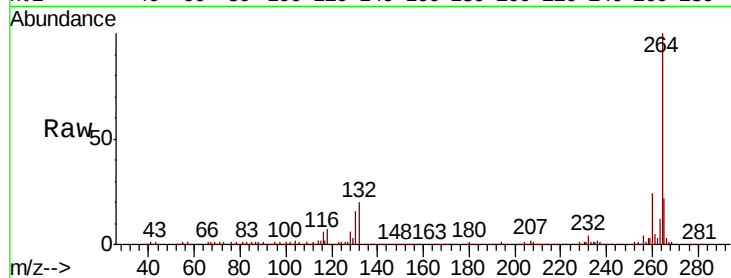
ClientSampleId :

T4-S-CMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 264     | 100  |       |      |       |       |
| 260     | 24.3 | 18.3  | 27.5 |       |       |
| 265     | 21.8 | 16.5  | 24.7 |       |       |

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#88

Benzo(b)fluoranthene

Concen: 63.618 ng

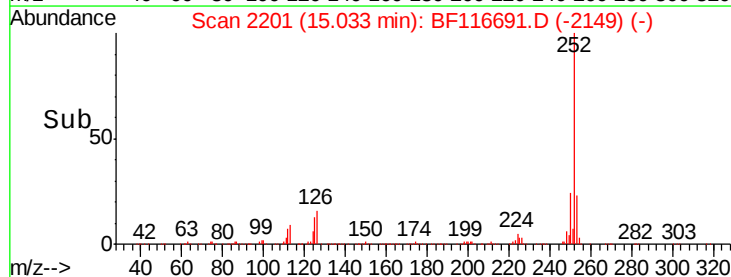
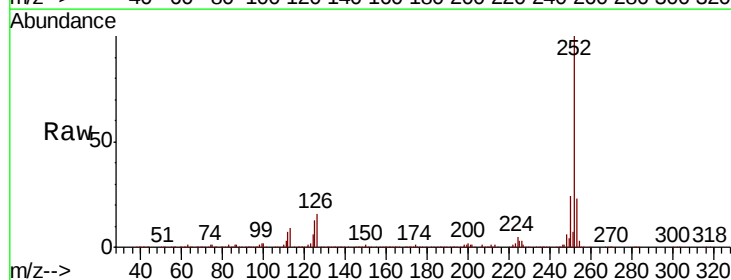
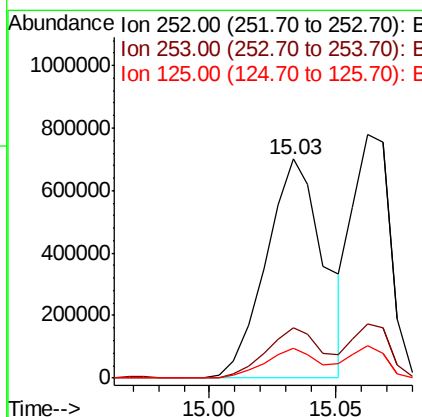
RT: 15.03 min Scan# 2201

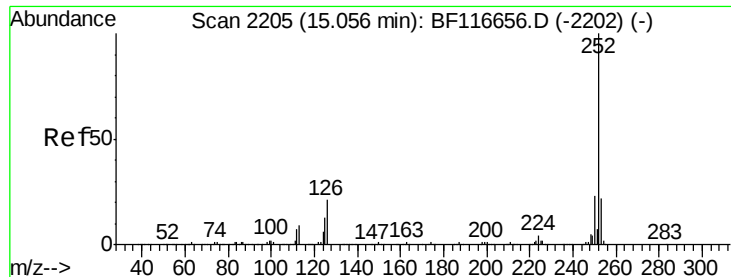
Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 252     | 100  |       |       |       |       |
| 253     | 22.7 | 17.7  | 26.5  |       |       |
| 125     | 13.5 | 8.2   | 12.2# |       |       |





#89

Benzo(k)fluoranthene

Concen: 51.103 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

Instrument :

BNA\_F

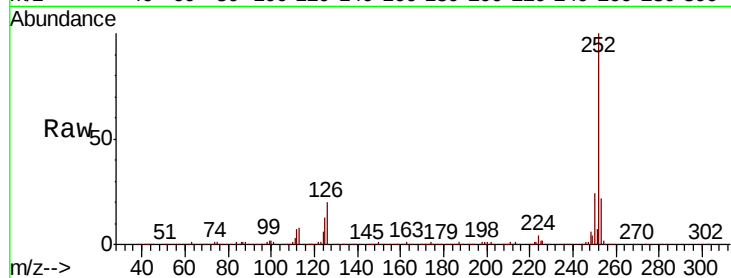
ClientSampled :

T4-S-CMS

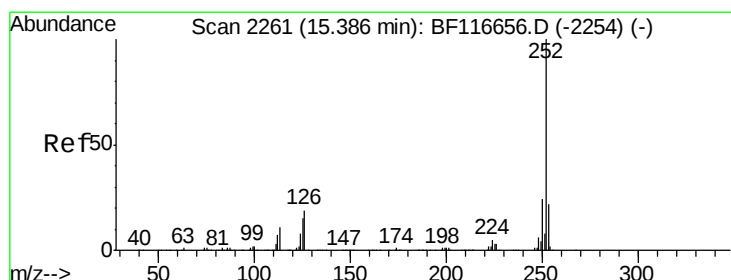
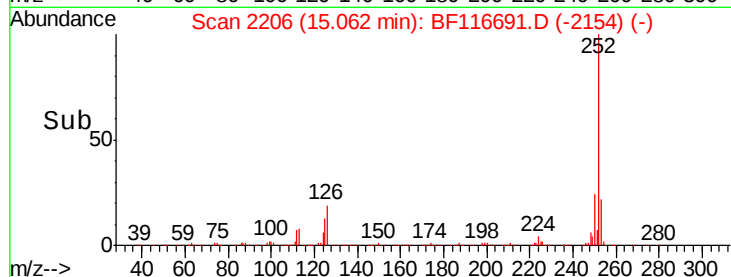
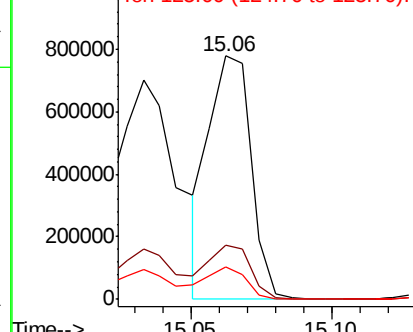
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 810375 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.7  | 26.5   |
| 125       | 13.2  | 8.6   | 13.0   |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 60.221 ng

RT: 15.40 min Scan# 2263

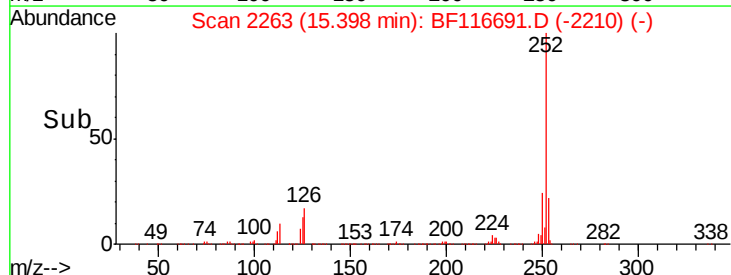
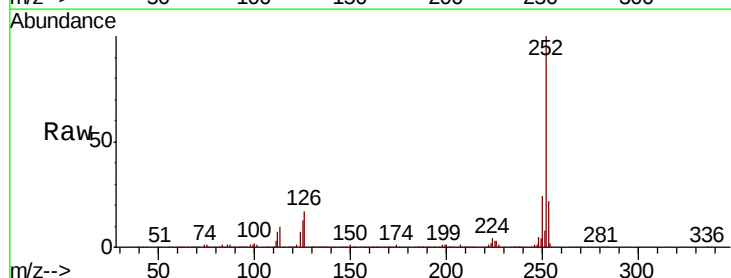
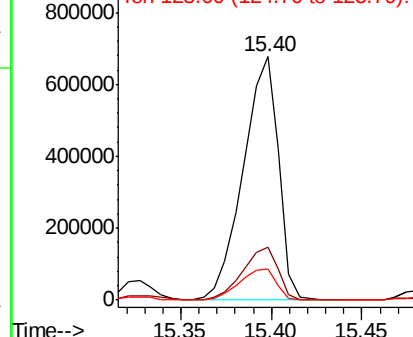
Delta R.T. 0.01 min

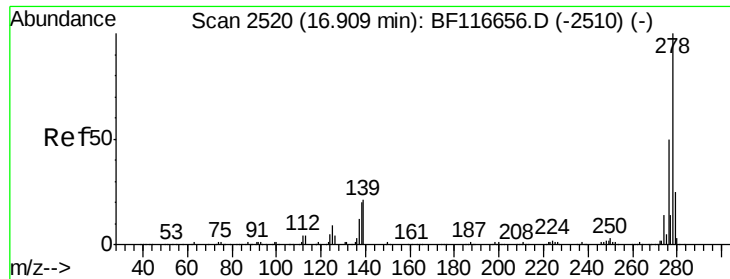
Lab File: BF116691.D

Acq: 31 Aug 2019 11:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 911231 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.9  | 18.1  | 27.1   |
| 125       | 13.0  | 9.8   | 14.8   |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





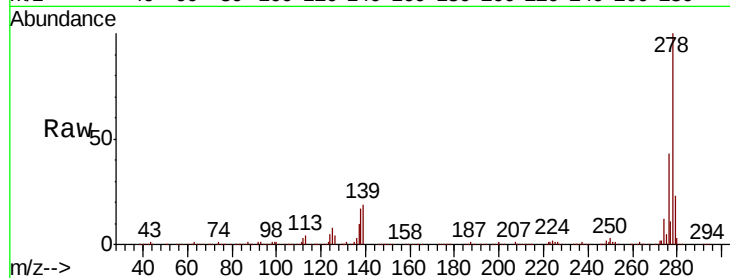
#91  
Dibenzo(a,h)anthracene  
Concen: 57.454 ng  
RT: 16.93 min Scan# 2523  
Delta R.T. 0.02 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

Instrument :  
BNA\_F  
ClientSampleId :  
T4-S-CMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.9  | 12.4  | 18.6# |
| 279     | 23.4  | 18.2  | 27.4  |

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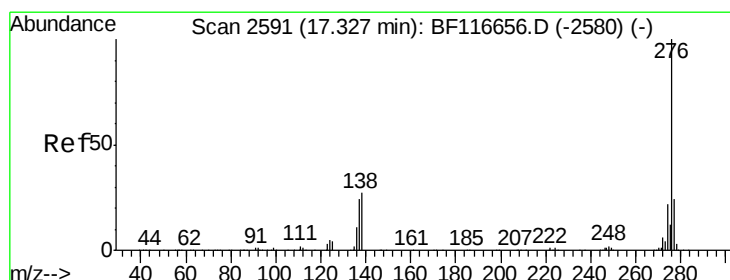
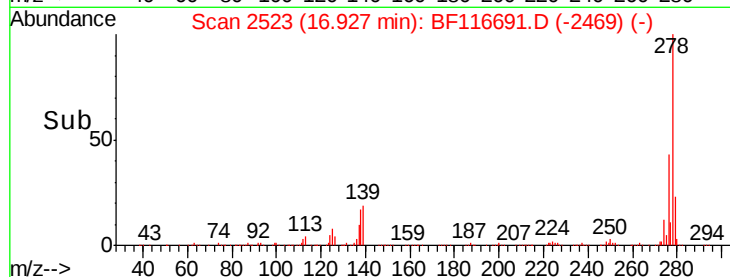
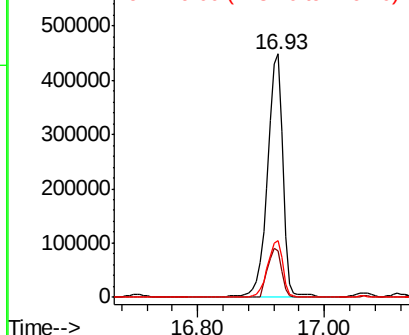


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 60.974 ng  
RT: 17.35 min Scan# 2595  
Delta R.T. 0.02 min  
Lab File: BF116691.D  
Acq: 31 Aug 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 18.5  | 27.7  |
| 138     | 26.5  | 16.2  | 24.2# |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

