

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\  
 Data File : BF116061.D  
 Acq On : 8 Aug 2019 11:43  
 Operator : HP/JU  
 Sample : PB122034BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

Manual Integrations  
 APPROVED

mohammad  
 8/14/2019 9:21:14 AM

Quant Time: Aug 09 15:19:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 137155   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.12  | 136  | 552639   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.87  | 164  | 296060   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 514659   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 14.00 | 240  | 368507   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.46 | 264  | 288174   | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.47  | 112 | 859420  | 104.90 | ng | 0.00  |
| 7) Phenol-d6                | 6.48  | 99  | 1096335 | 106.06 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 699347  | 73.05  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330 | 311933  | 108.67 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 9.19  | 172 | 1221661 | 77.29  | ng | -0.02 |
| 79) Terphenyl-d14           | 12.94 | 244 | 1393935 | 79.71  | ng | -0.03 |

|                                |      |     |         |        |        |      |
|--------------------------------|------|-----|---------|--------|--------|------|
| Target Compounds               |      |     |         |        | Qvalue |      |
| 2) 1,4-Dioxane                 | 2.69 | 88  | 158399  | 38.270 | ng     | 100  |
| 3) Pyridine                    | 3.44 | 79  | 340421  | 29.443 | ng     | 96   |
| 4) n-Nitrosodimethylamine      | 3.38 | 42  | 158836  | 34.811 | ng     | 99   |
| 6) Aniline                     | 6.50 | 93  | 410870  | 27.755 | ng     | 95   |
| 8) 2-Chlorophenol              | 6.63 | 128 | 357057  | 39.411 | ng     | 99   |
| 9) Benzaldehyde                | 6.39 | 77  | 107983  | 15.140 | ng     | 100  |
| 10) Phenol                     | 6.49 | 94  | 449705  | 36.944 | ng     | 93   |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 339149  | 37.896 | ng     | 98   |
| 12) 1,3-Dichlorobenzene        | 6.78 | 146 | 374747  | 35.791 | ng     | 99   |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 381404  | 36.381 | ng     | 99   |
| 14) 1,2-Dichlorobenzene        | 7.01 | 146 | 356581  | 36.939 | ng     | 100  |
| 15) Benzyl Alcohol             | 6.99 | 79  | 301420  | 38.424 | ng     | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45  | 450802  | 36.930 | ng     | 87   |
| 17) 2-Methylphenol             | 7.10 | 107 | 299182  | 39.000 | ng     | 99   |
| 18) Hexachloroethane           | 7.35 | 117 | 139839  | 36.230 | ng     | 98   |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 245353  | 38.303 | ng     | 98   |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 364251  | 40.124 | ng     | # 85 |
| 22) Acetophenone               | 7.25 | 105 | 481667  | 39.741 | ng     | # 98 |
| 24) Nitrobenzene               | 7.42 | 77  | 390813  | 37.805 | ng     | 97   |
| 25) Isophorone                 | 7.66 | 82  | 710608  | 38.816 | ng     | 99   |
| 26) 2-Nitrophenol              | 7.74 | 139 | 196430  | 40.310 | ng     | 94   |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 320101  | 43.662 | ng     | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 434519  | 38.294 | ng     | 99   |
| 29) 2,4-Dichlorophenol         | 7.98 | 162 | 307759  | 39.758 | ng     | 100  |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 331116  | 37.525 | ng     | 99   |
| 31) Naphthalene                | 8.14 | 128 | 1018530 | 39.165 | ng     | 100  |
| 32) Benzoic acid               | 7.92 | 122 | 199192  | 38.537 | ng     | 99   |
| 33) 4-Chloroaniline            | 8.19 | 127 | 313315  | 26.964 | ng     | 99   |
| 34) Hexachlorobutadiene        | 8.26 | 225 | 183327  | 36.070 | ng     | 99   |
| 35) Caprolactam                | 8.56 | 113 | 96146m  | 38.403 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 8.68 | 107 | 319668  | 39.696 | ng     | 98   |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 678670  | 39.625 | ng     | 99   |
| 38) 1-Methylnaphthalene        | 8.93 | 142 | 634344  | 39.150 | ng     | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 310190  | 39.191 | ng     | 99   |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

Manual Integrations  
 APPROVED

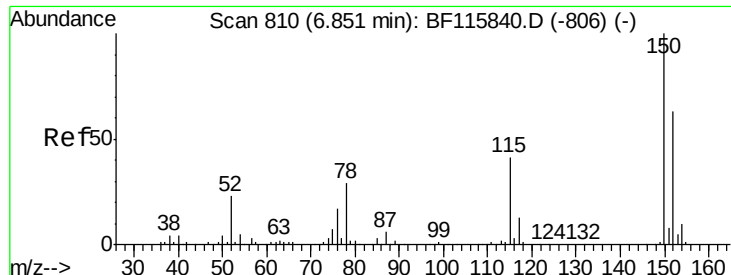
mohammad  
 8/14/2019 9:21:14 AM

Quant Time: Aug 09 15:19:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.99  | 237  | 142414   | 43.035 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 203476   | 37.349 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.16  | 196  | 216061   | 38.366 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.29  | 154  | 835831   | 39.989 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.32  | 162  | 649946   | 37.361 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 204391   | 35.545 | ng    | 98       |
| 49) Acenaphthylene             | 9.73  | 152  | 988867   | 38.963 | ng    | 100      |
| 50) Dimethylphthalate          | 9.59  | 163  | 775982   | 38.494 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 170202   | 38.852 | ng #  | 86       |
| 52) Acenaphthene               | 9.91  | 154  | 593788   | 38.136 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.83  | 138  | 146011   | 26.974 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.95  | 184  | 153197   | 69.854 | ng #  | 86       |
| 55) Dibenzofuran               | 10.08 | 168  | 874038   | 38.601 | ng    | 98       |
| 56) 4-Nitrophenol              | 10.00 | 139  | 237809   | 68.581 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 223389   | 38.300 | ng    | 91       |
| 58) Fluorene                   | 10.42 | 166  | 689002   | 39.550 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 188481   | 39.782 | ng    | 97       |
| 60) Diethylphthalate           | 10.29 | 149  | 742148   | 39.433 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204  | 345042   | 39.108 | ng    | 99       |
| 62) 4-Nitroaniline             | 10.45 | 138  | 187295   | 33.481 | ng    | 96       |
| 63) Azobenzene                 | 10.57 | 77   | 757935   | 39.154 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 116102   | 42.570 | ng    | 93       |
| 66) n-Nitrosodiphenylamine     | 10.53 | 169  | 618331   | 39.916 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.90 | 248  | 213217   | 38.700 | ng    | 99       |
| 68) Hexachlorobenzene          | 10.98 | 284  | 239458   | 37.587 | ng    | 93       |
| 69) Atrazine                   | 11.06 | 200  | 190721   | 37.425 | ng    | 98       |
| 70) Pentachlorophenol          | 11.17 | 266  | 227258   | 73.475 | ng    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 1031228  | 39.195 | ng    | 100      |
| 72) Anthracene                 | 11.44 | 178  | 1059147  | 39.777 | ng    | 99       |
| 73) Carbazole                  | 11.59 | 167  | 970509   | 40.174 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 1173449  | 41.640 | ng    | 100      |
| 75) Fluoranthene               | 12.57 | 202  | 1093928  | 39.715 | ng    | 99       |
| 77) Benzidine                  | 12.69 | 184  | 314854   | 25.290 | ng    | 97       |
| 78) Pyrene                     | 12.80 | 202  | 1105221  | 39.787 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.41 | 149  | 495577   | 42.175 | ng    | 97       |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 903700   | 38.368 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.94 | 252  | 287254   | 35.104 | ng #  | 97       |
| 83) Chrysene                   | 14.03 | 228  | 894062   | 39.098 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 691351   | 45.276 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.57 | 149  | 1065481  | 43.931 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.93 | 276  | 770238   | 40.104 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 802879   | 48.185 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 770162   | 47.454 | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 737900   | 49.540 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.94 | 278  | 645117   | 50.035 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.37 | 276  | 640914   | 50.615 | ng    | 99       |

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





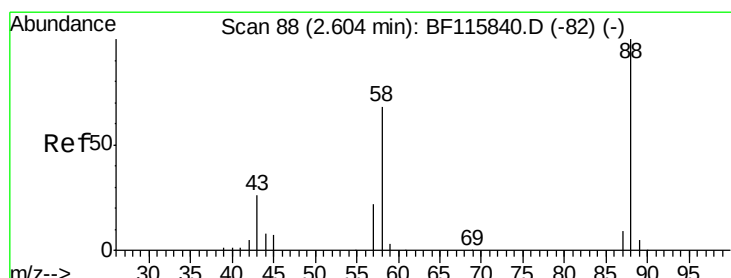
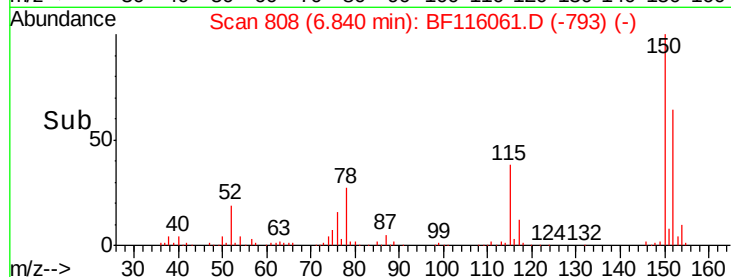
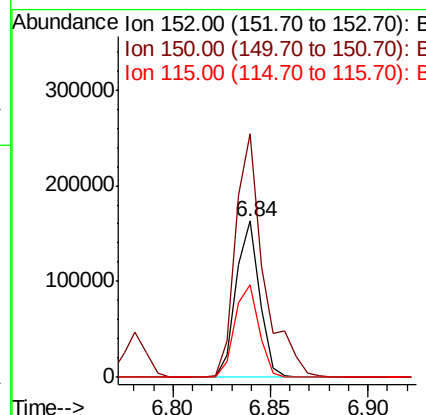
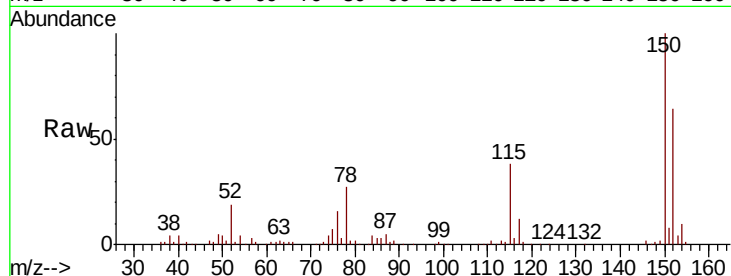
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.84 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 127.4 | 191.0 |
| 115     | 59.5  | 51.8  | 77.8  |

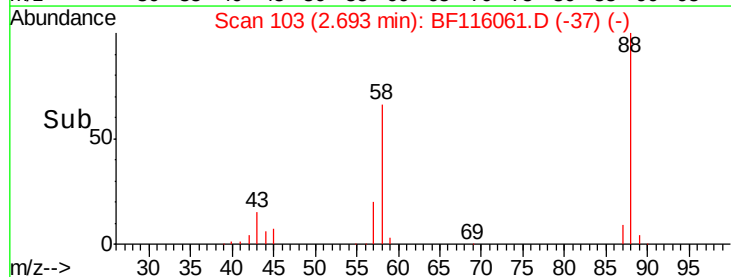
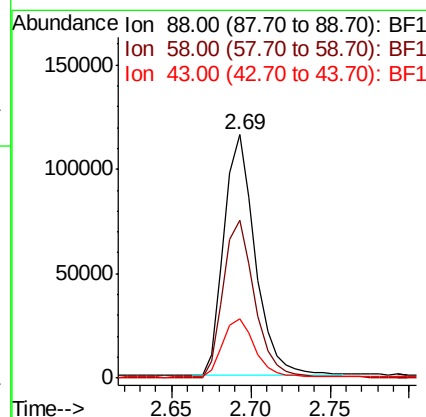
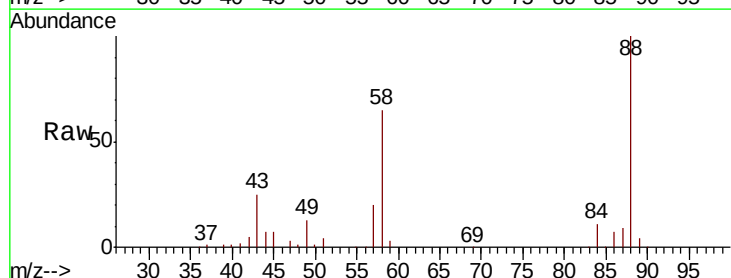
Manual Integrations  
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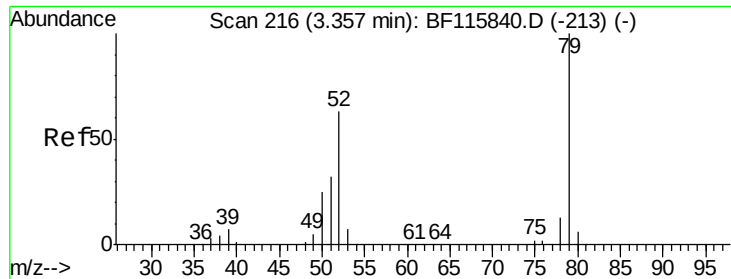
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 8/14/2019 9:21:14 AM



#2  
 1,4-Dioxane  
 Concen: 38.270 ng  
 RT: 2.69 min Scan# 103  
 Delta R.T. 0.09 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.7  | 54.1  | 81.1  |
| 43      | 25.3  | 20.7  | 31.1  |





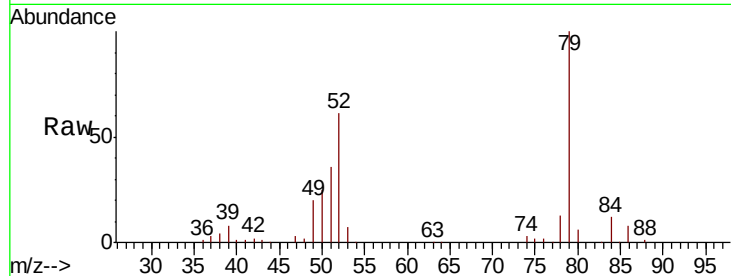
#3  
Pvridine  
Concen: 29.443 ng  
RT: 3.44 min Scan# 230  
Delta R.T. 0.08 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

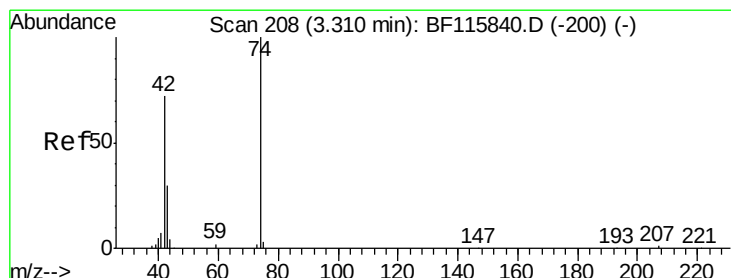
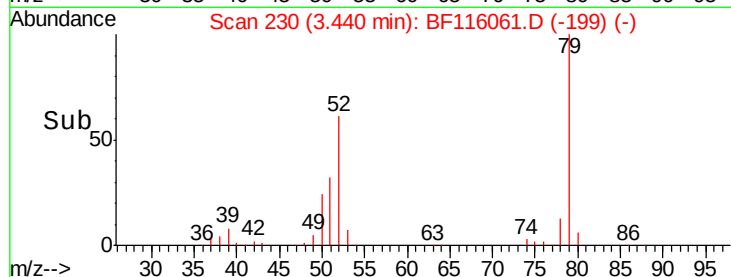
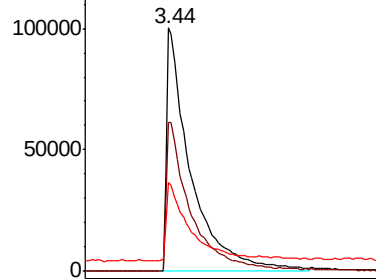
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 340421 |       |       |
| 52      | 61.2 | 50.2  | 75.4   |       |       |
| 51      | 36.2 | 25.8  | 38.6   |       |       |

Manual Integrations  
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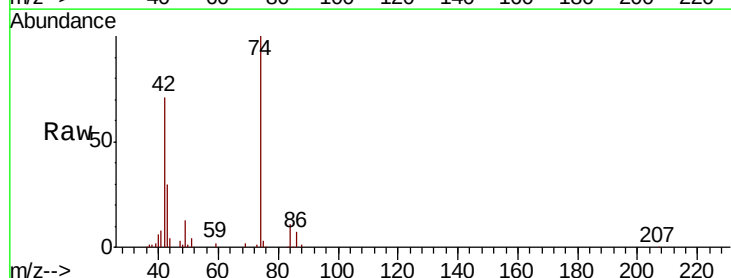


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

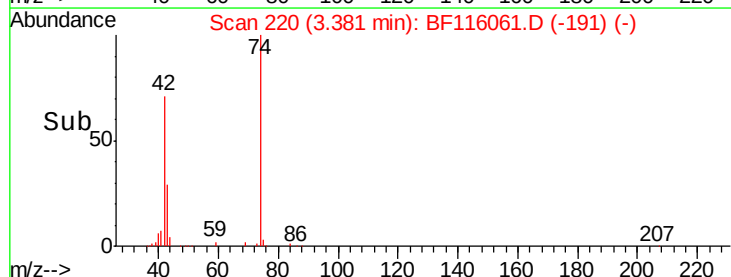
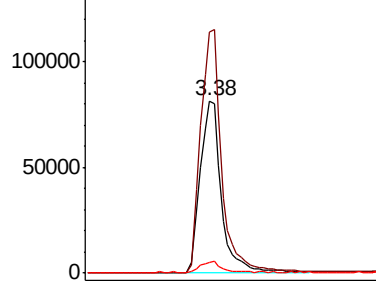


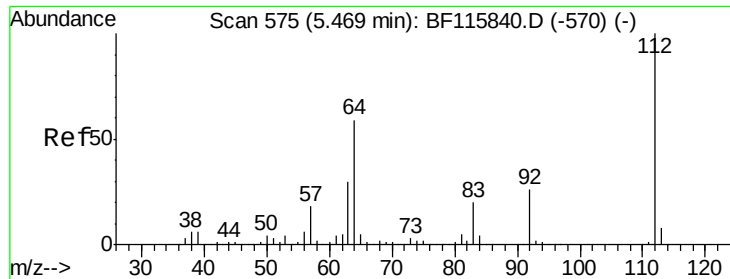
#4  
n-Nitrosodimethylamine  
Concen: 34.811 ng  
RT: 3.38 min Scan# 220  
Delta R.T. 0.07 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 42      | 100   |       | 158836 |       |       |
| 74      | 140.2 | 111.0 | 166.4  |       |       |
| 44      | 6.3   | 4.7   | 7.1    |       |       |



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 104.898 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

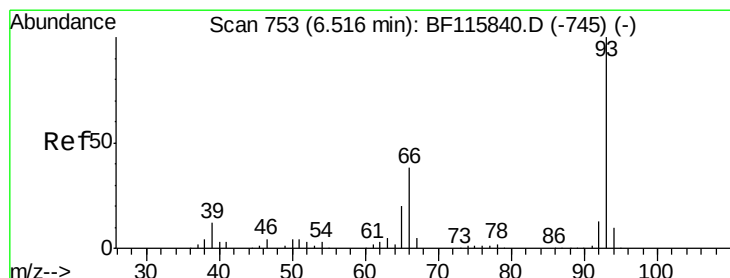
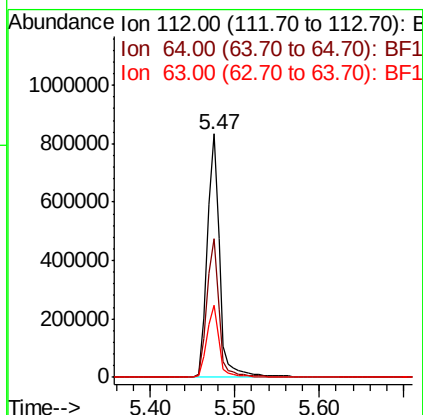
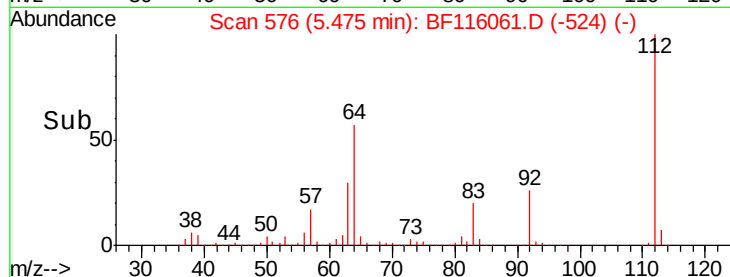
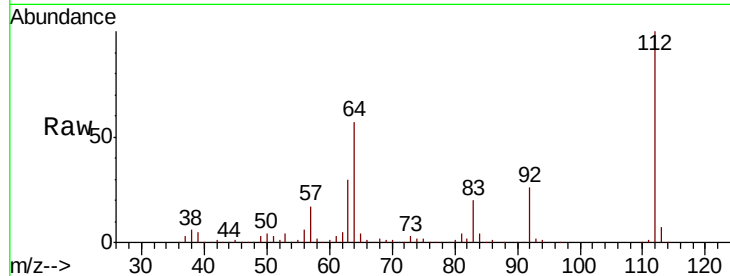
ClientSampleId :

PB122034BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 859420 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.0  | 46.8  | 70.2   |
| 63        | 29.7  | 24.2  | 36.2   |

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#6

Aniline

Concen: 27.755 ng

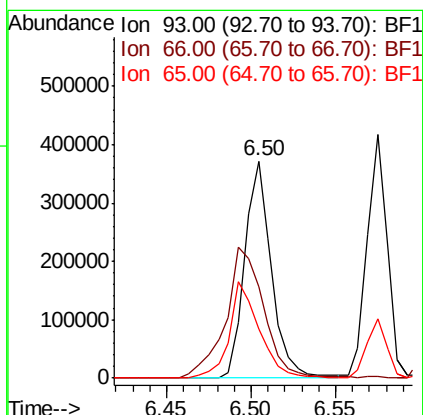
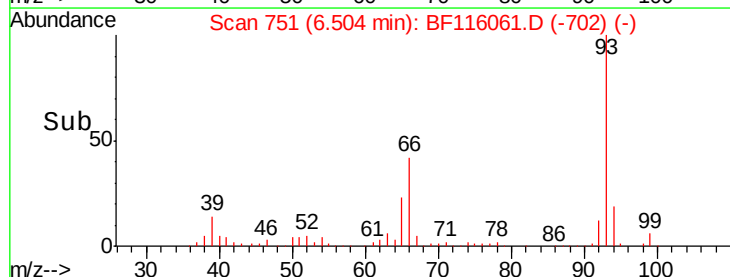
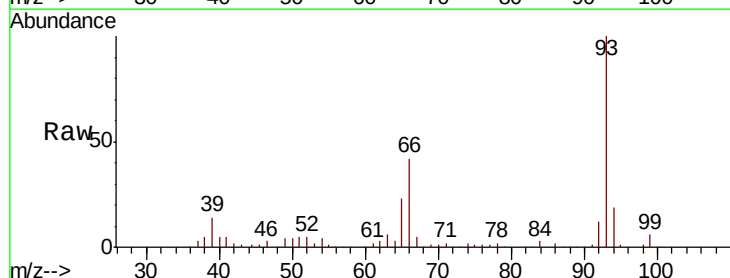
RT: 6.50 min Scan# 751

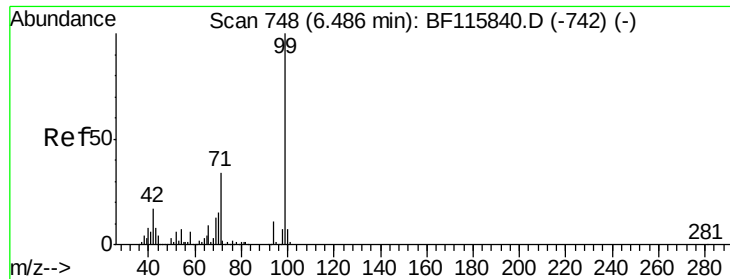
Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 410870 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 42.1  | 31.4  | 47.0   |
| 65        | 22.8  | 16.5  | 24.7   |





#7

Phenol-d6

Concen: 106.061 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

ClientSampleId :

PB122034BS

Tot Ion: 99 Resp: 1096335

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.6

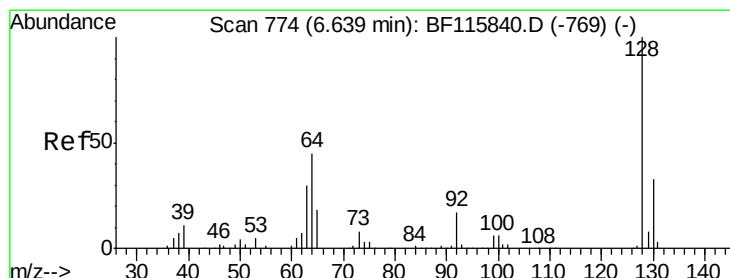
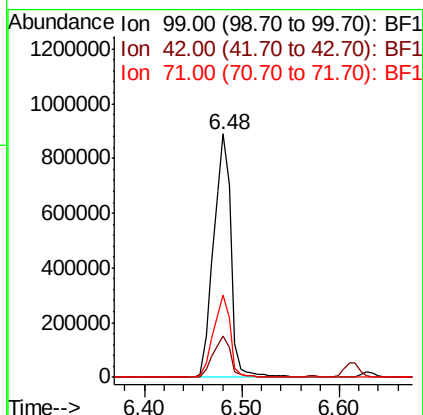
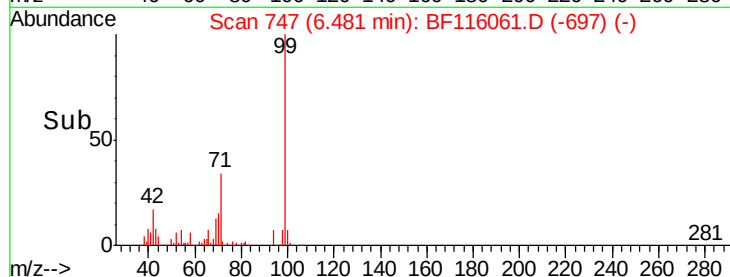
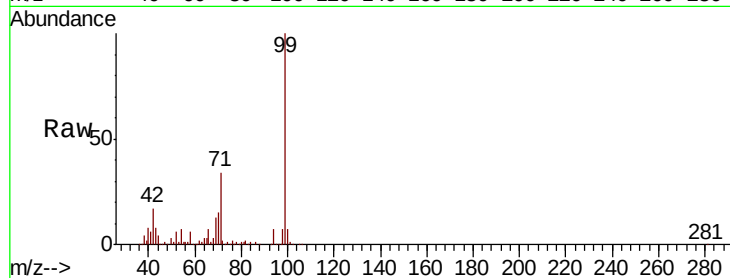
71 33.6 27.1 40.7

Manual Integrations

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#8

2-Chlorophenol

Concen: 39.411 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

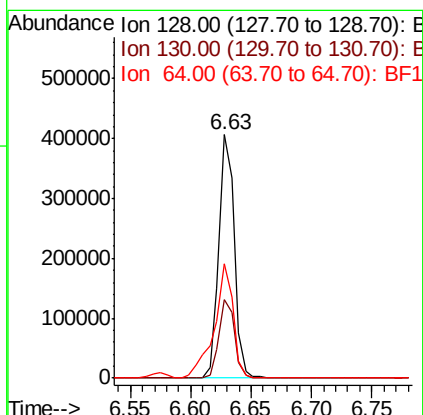
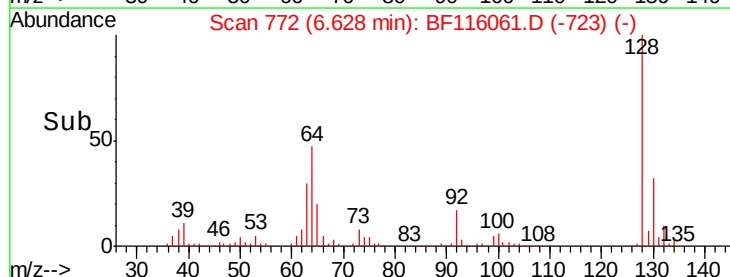
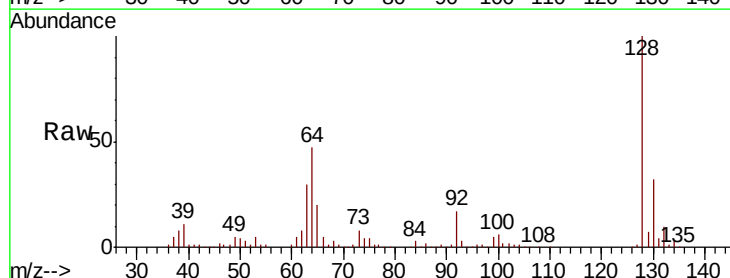
Tgt Ion: 128 Resp: 357057

Ion Ratio Lower Upper

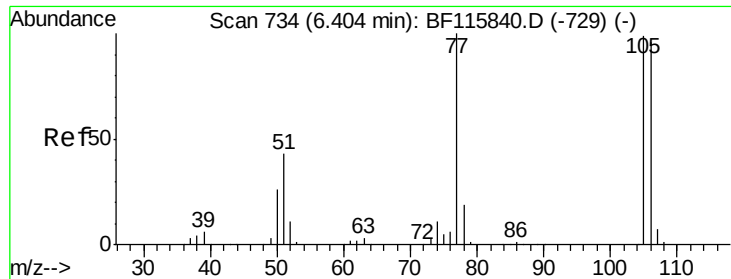
128 100

130 32.4 12.9 52.9

64 47.2 26.1 66.1







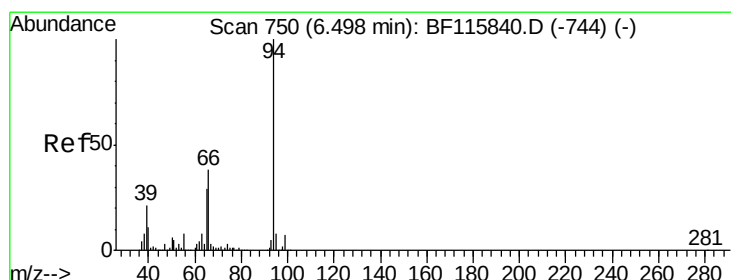
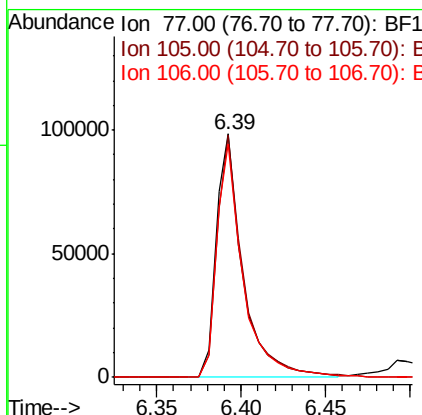
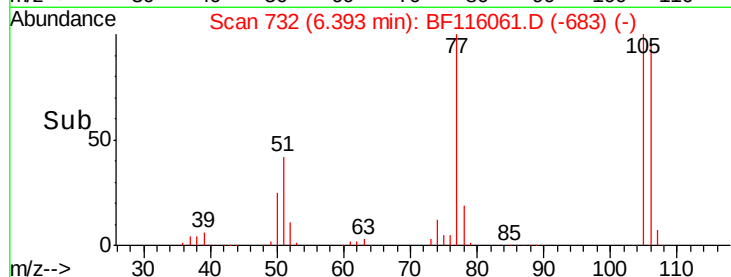
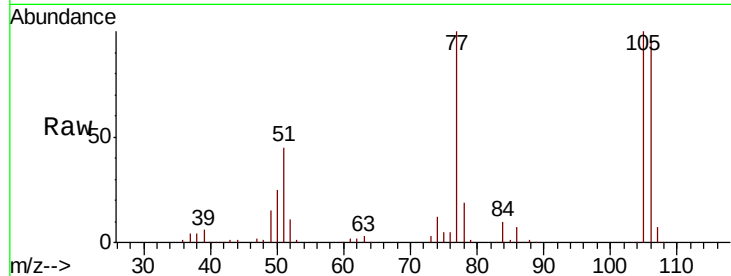
#9  
Benzaldehyde  
Concen: 15.140 ng  
RT: 6.39 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 77      | 100  |       |       |       |       |
| 105     | 99.8 | 79.0  | 119.0 |       |       |
| 106     | 96.0 | 76.2  | 116.2 |       |       |

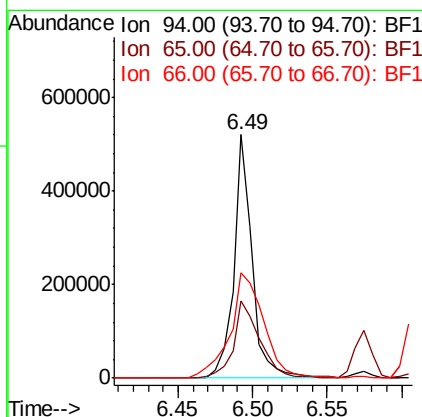
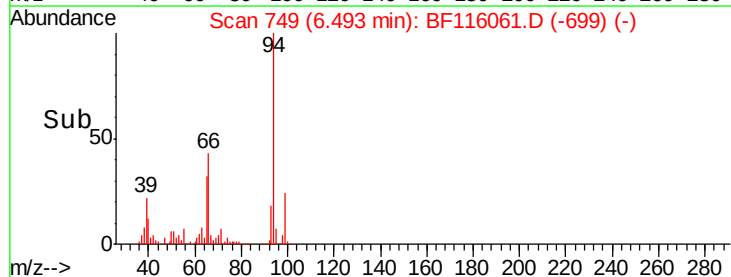
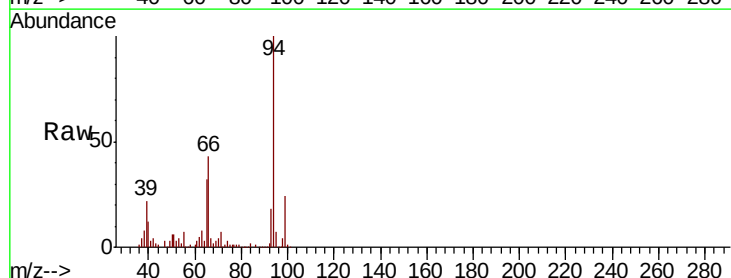
Manual Integrations  
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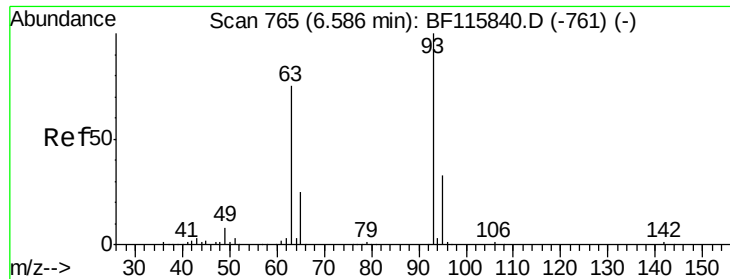


#10  
Phenol  
Concen: 36.944 ng  
RT: 6.49 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 31.6 | 8.9   | 48.9 |       |       |
| 66      | 43.2 | 18.0  | 58.0 |       |       |







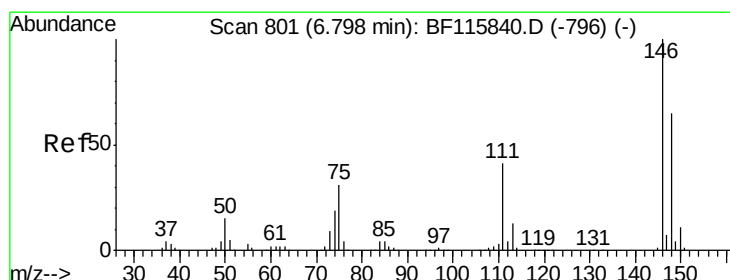
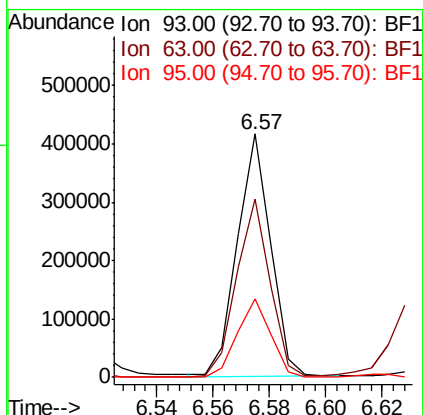
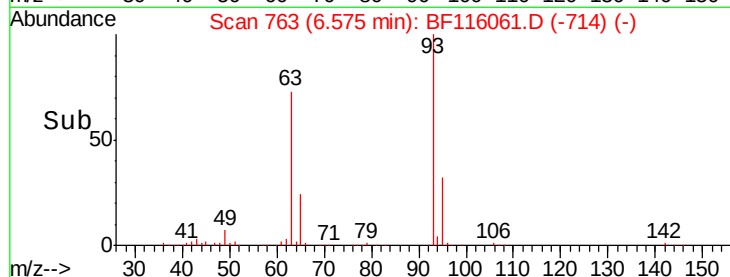
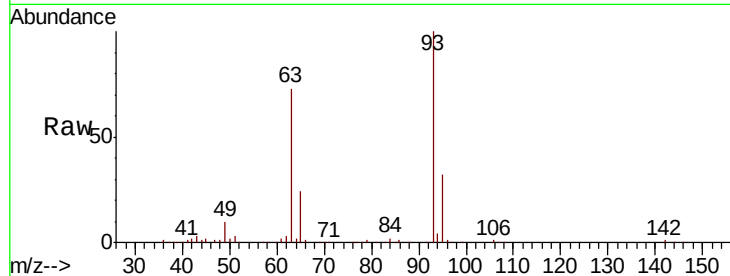
#11  
bis(2-Chloroethyl)ether  
Concen: 37.896 ng  
RT: 6.57 min Scan# 763  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 339149 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 73.1  | 54.9  | 94.9   |
| 95       | 32.3  | 13.3  | 53.3   |

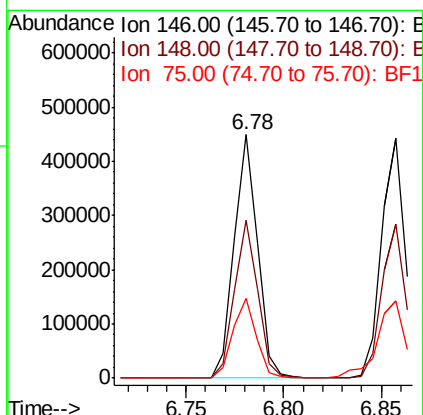
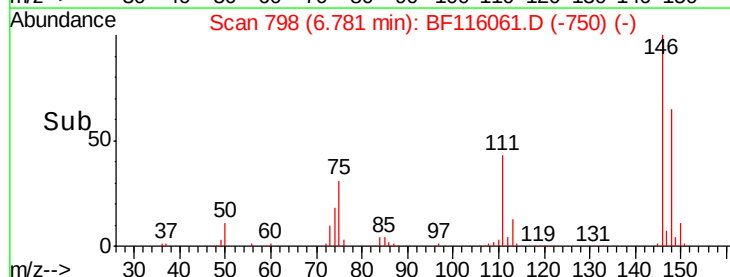
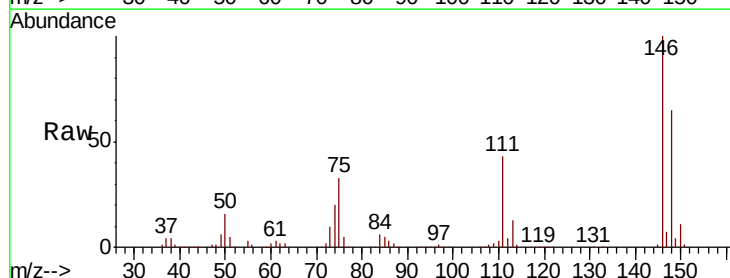
Manual Integrations  
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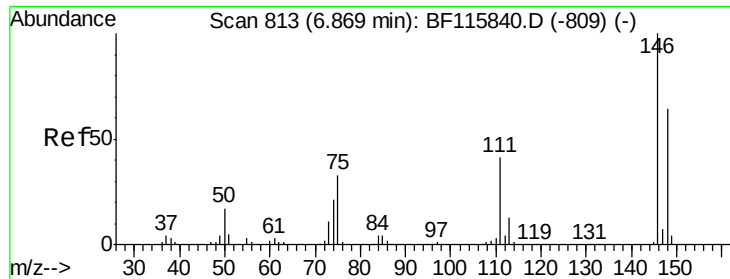
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#12  
1,3-Dichlorobenzene  
Concen: 35.791 ng  
RT: 6.78 min Scan# 798  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 374747 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 65.0  | 52.1  | 78.1   |
| 75       | 32.6  | 25.0  | 37.6   |





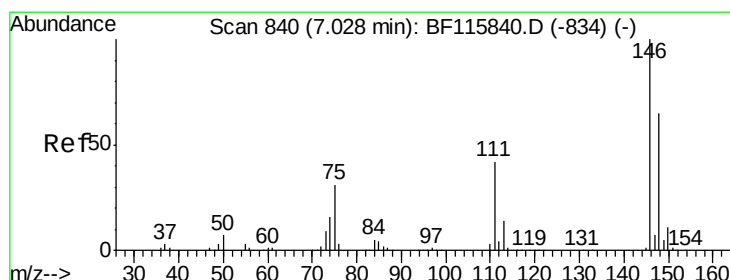
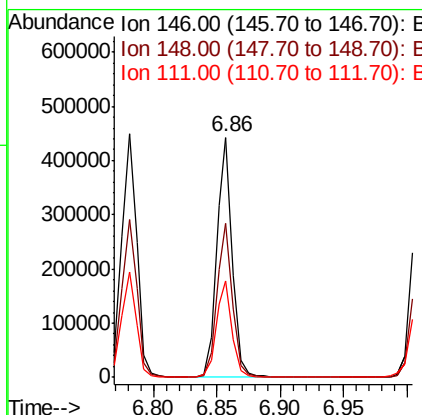
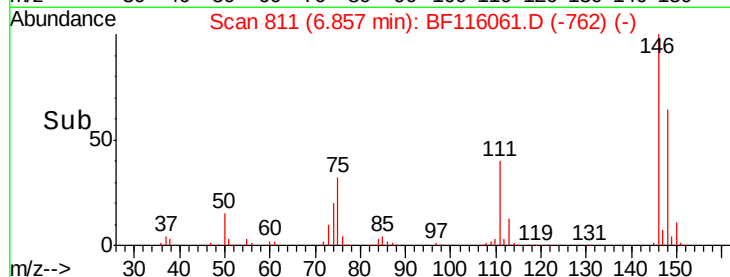
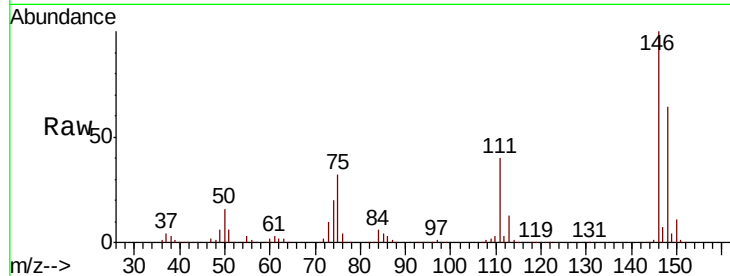
#13  
 1,4-Dichlorobenzene  
 Concen: 36.381 ng  
 RT: 6.86 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 51.2  | 76.8  |
| 111     | 40.2  | 33.2  | 49.8  |

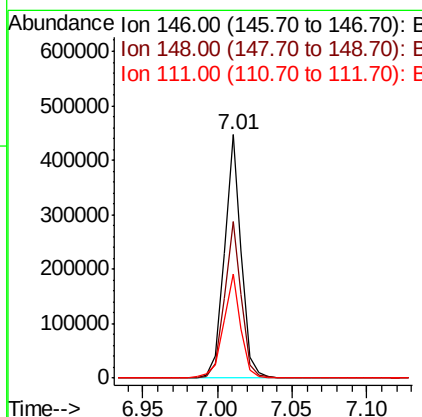
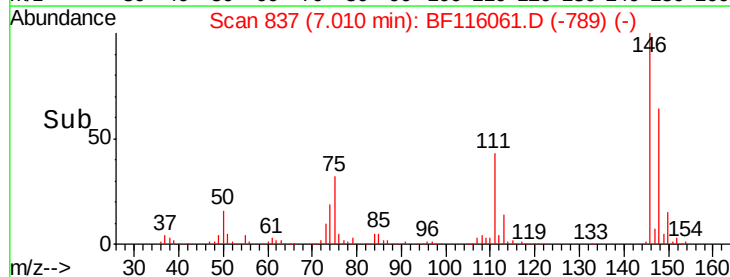
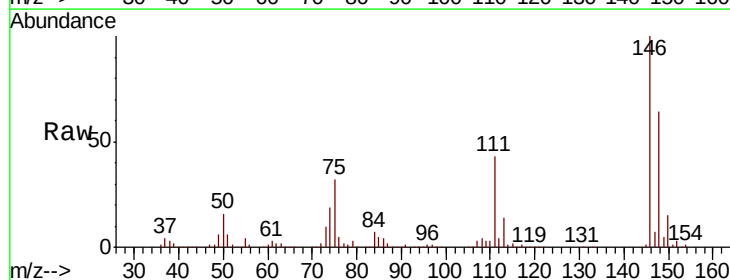
Manual Integrations  
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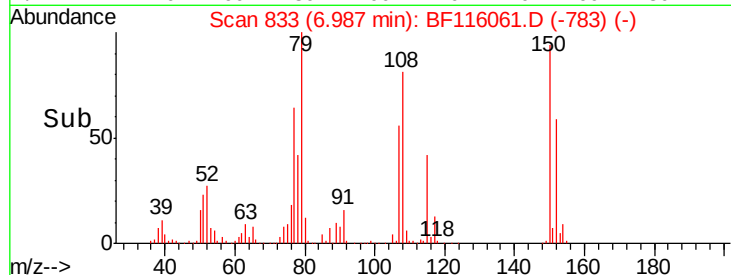
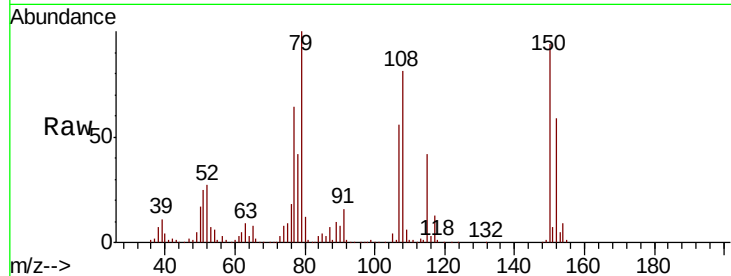
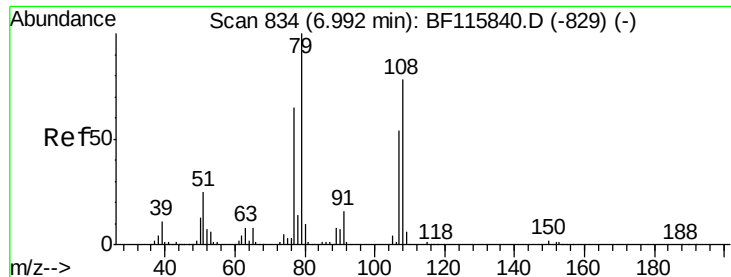
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#14  
 1,2-Dichlorobenzene  
 Concen: 36.939 ng  
 RT: 7.01 min Scan# 837  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 51.6  | 77.4  |
| 111     | 42.7  | 33.6  | 50.4  |





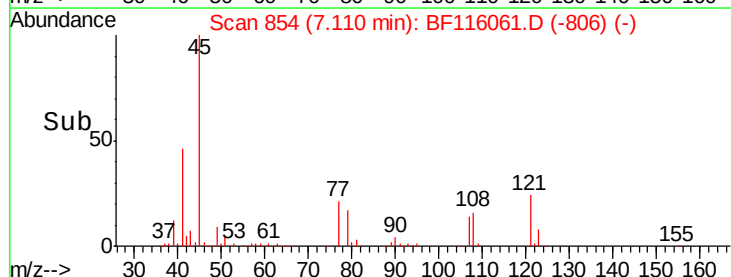
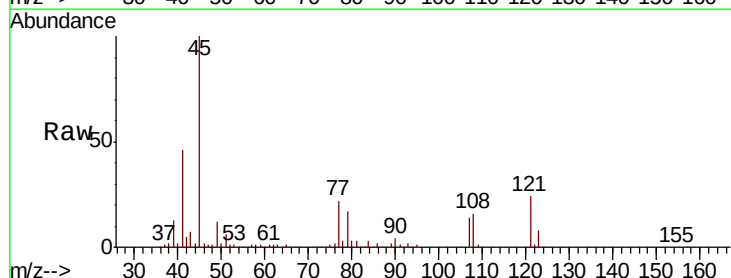
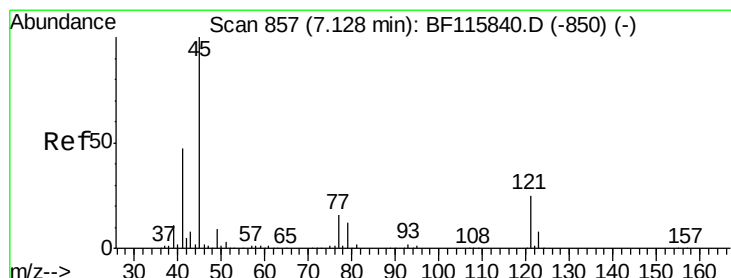
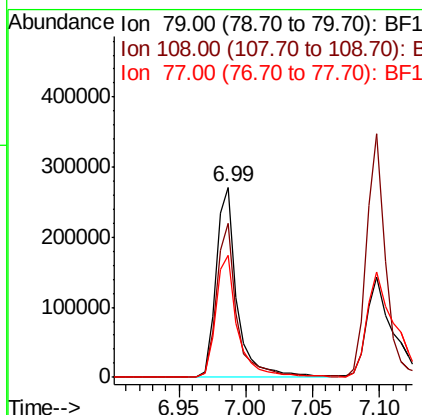
#15  
Benzvl Alcohol  
Concen: 38.424 ng  
RT: 6.99 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 301420 |       |       |
| 108     | 80.8  | 62.8   | 94.2  |       |
| 77      | 64.3  | 52.0   | 78.0  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

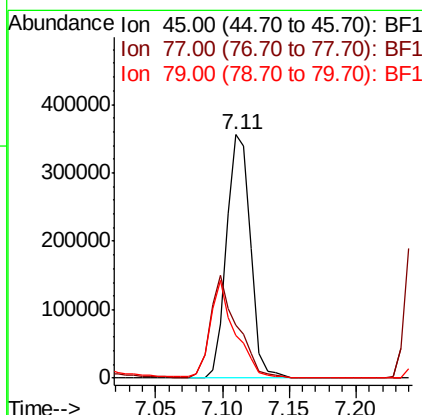
Manual Integrations  
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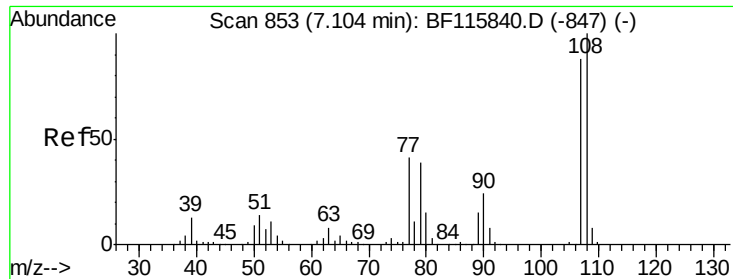
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8/14/2019 9:21:14 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.930 ng  
RT: 7.11 min Scan# 854  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 450802 |       |       |
| 77      | 21.8  | 0.0    | 36.3  |       |
| 79      | 17.4  | 0.0    | 32.5  |       |





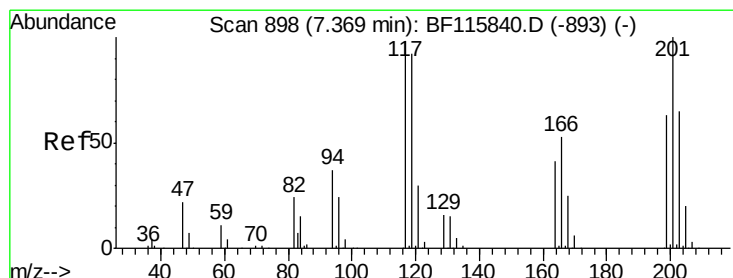
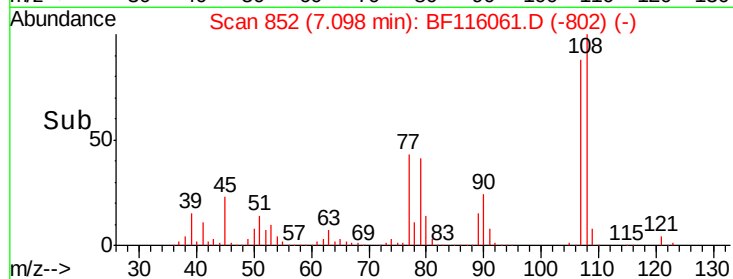
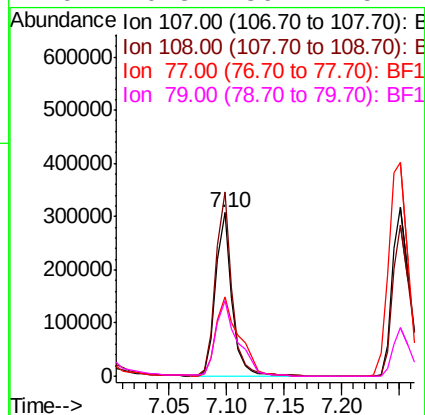
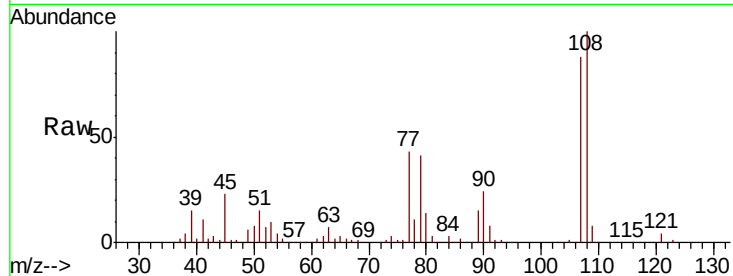
#17  
2-Methylphenol  
Concen: 39.000 ng  
RT: 7.10 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 299182 |       |       |
| 108     | 113.1 | 91.4   | 137.0 |       |
| 77      | 48.8  | 37.6   | 56.4  |       |
| 79      | 46.3  | 36.2   | 54.4  |       |

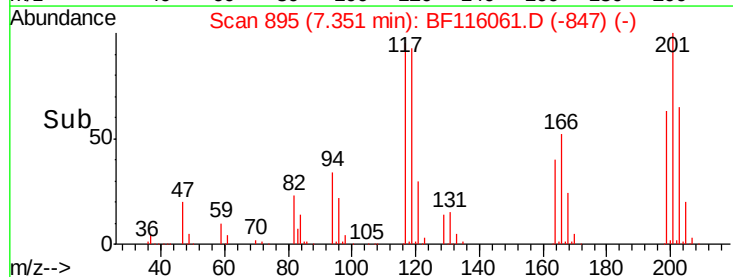
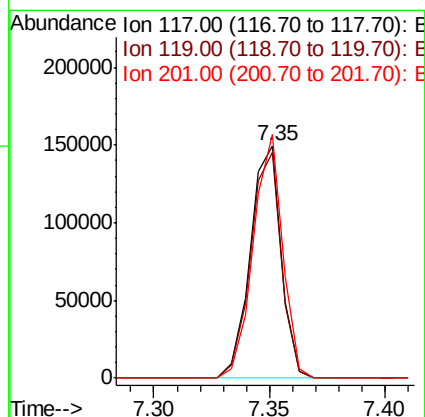
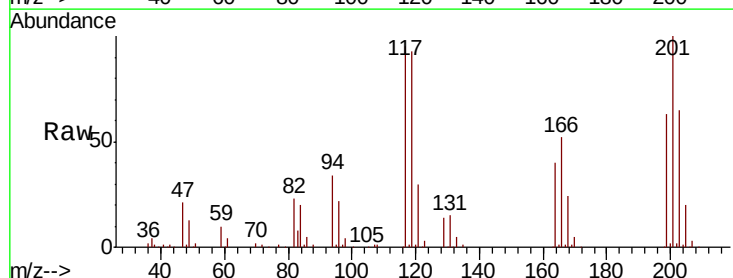
Manual Integrations  
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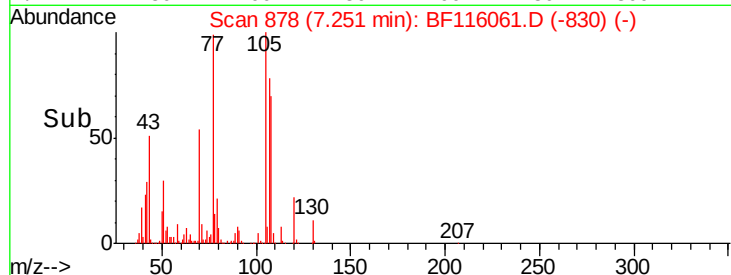
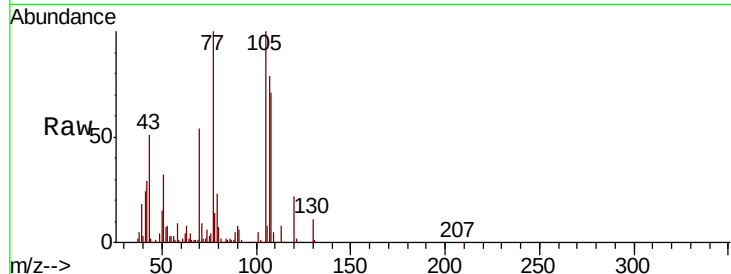
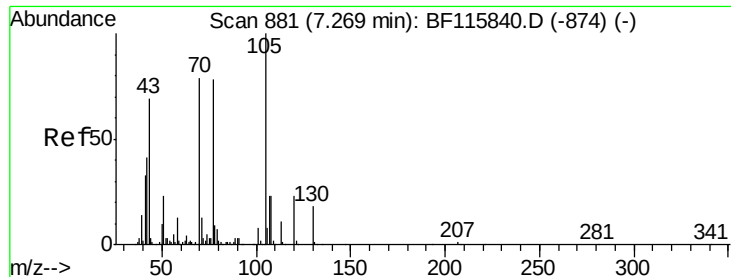
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#18  
Hexachloroethane  
Concen: 36.230 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 139839 |       |       |
| 119     | 97.0  | 75.8   | 113.6 |       |
| 201     | 104.9 | 82.0   | 123.0 |       |





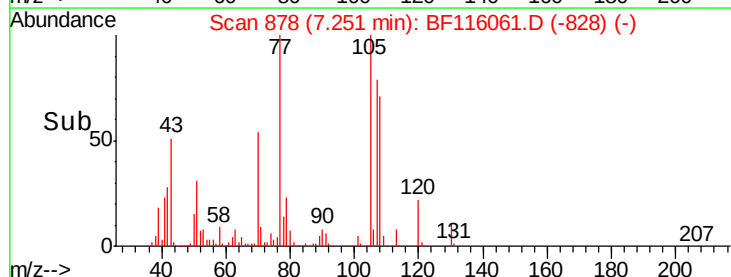
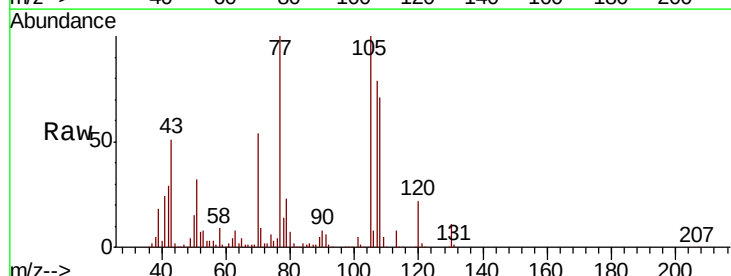
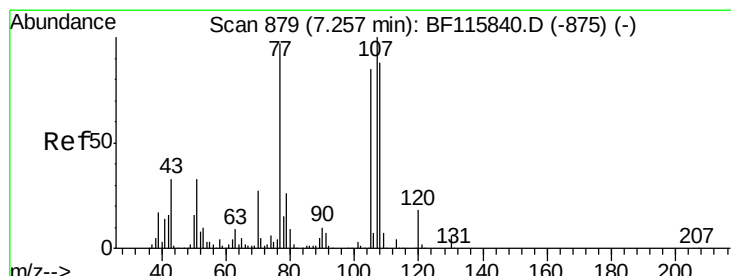
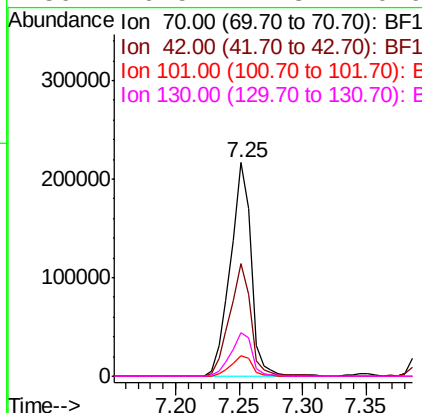
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.303 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 245353 |       |       |
| 42      | 53.0 |       | 41.8   | 62.8  |       |
| 101     | 9.4  |       | 7.7    | 11.5  |       |
| 130     | 20.5 |       | 17.8   | 26.6  |       |

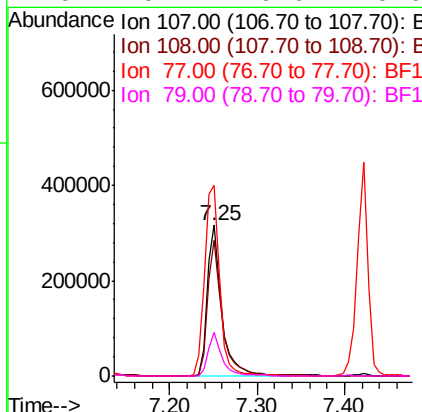
Manual Integrations  
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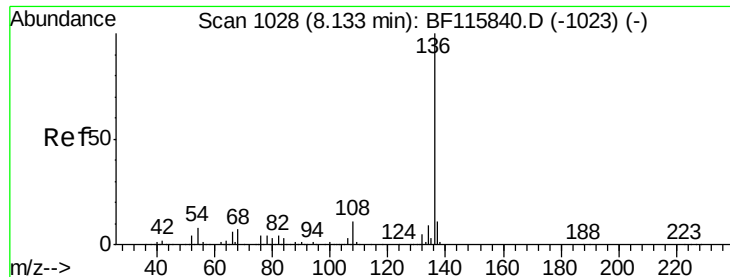
mohammad  
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#20  
3+4-Methylphenols  
Concen: 40.124 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 364251 |       |       |
| 108     | 89.8  |       | 67.9   | 107.9 |       |
| 77      | 126.7 |       | 77.3   | 117.3 |       |
| 79      | 29.2  |       | 6.6    | 46.6  |       |





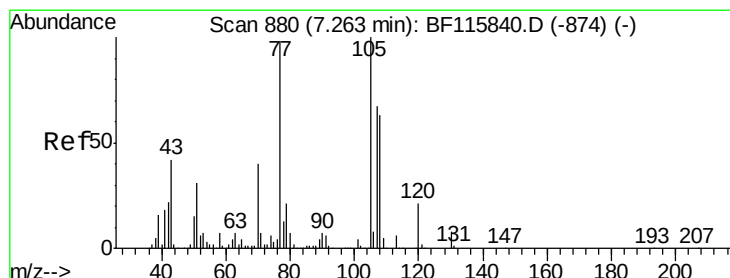
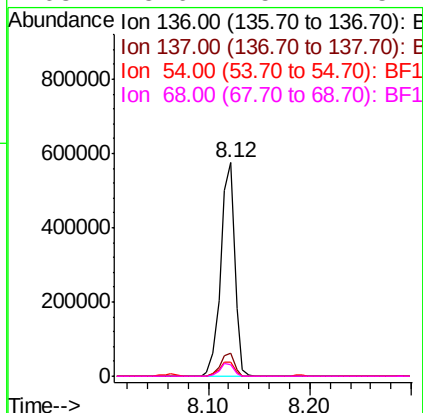
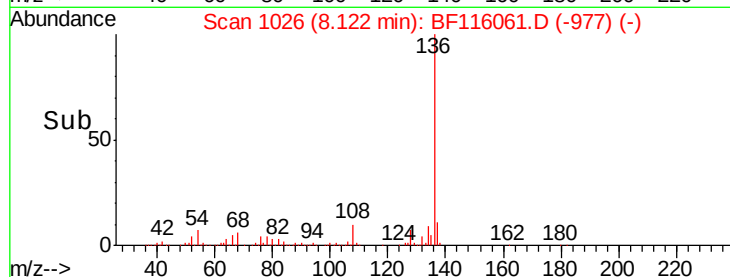
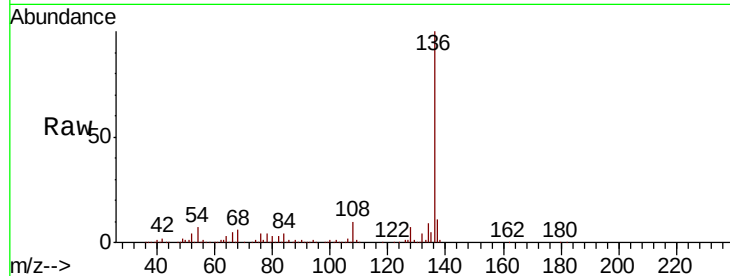
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 552639 |       |       |
| 137     | 10.9  |        | 9.1   | 13.7  |
| 54      | 6.6   |        | 6.1   | 9.1   |
| 68      | 5.6   |        | 5.4   | 8.2   |

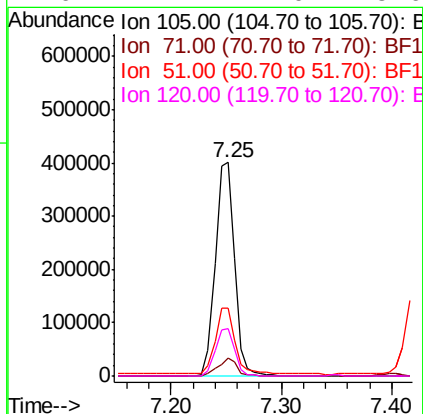
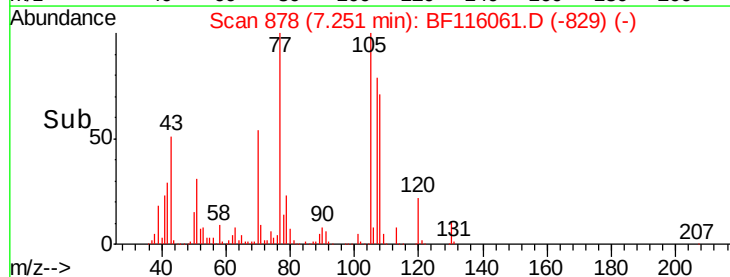
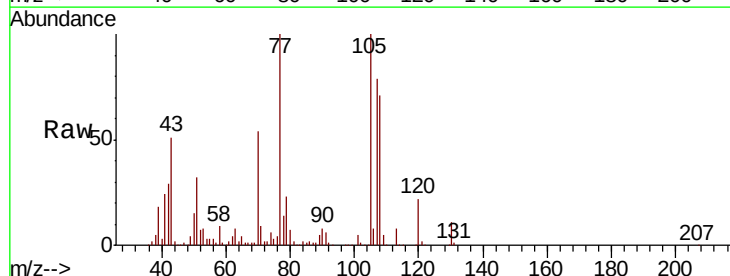
Manual Integrations  
APPROVED

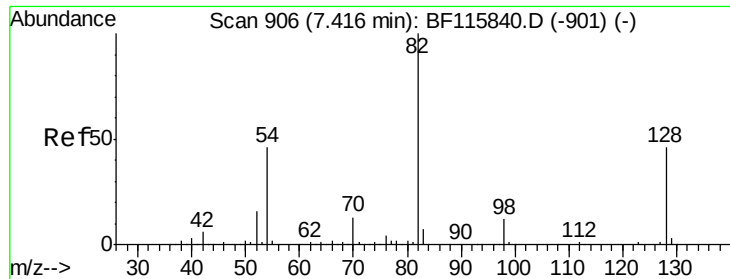
mohammad  
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#22  
Acetophenone  
Concen: 39.741 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 481667 |       |       |
| 71      | 8.6   |        | 5.4   | 8.0#  |
| 51      | 31.8  |        | 24.6  | 36.8  |
| 120     | 22.1  |        | 17.0  | 25.6  |





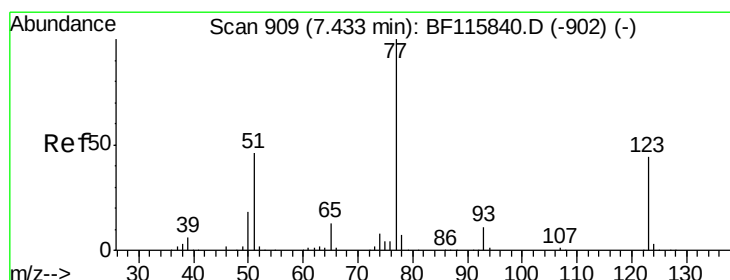
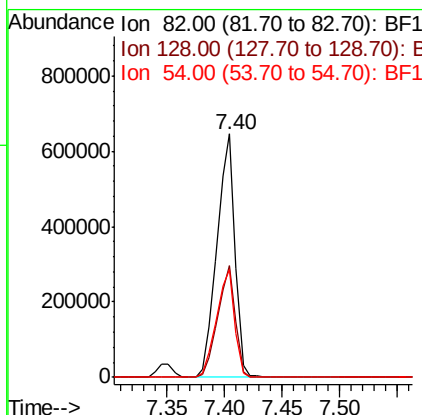
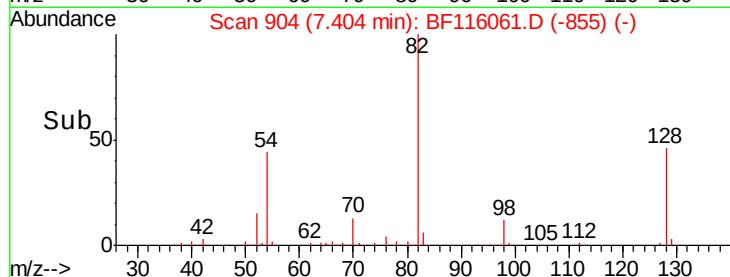
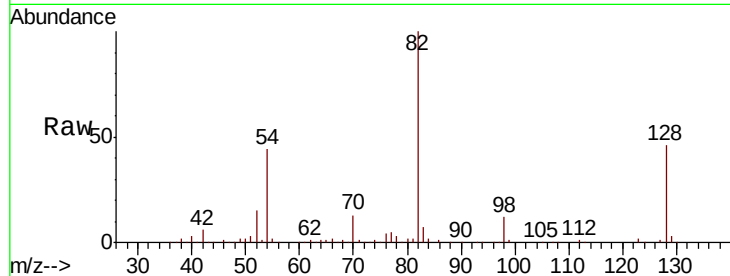
#23  
Nitrobenzene-d5  
Concen: 73.047 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 699347 |       |       |
| 128     | 46.0  |        | 36.6  | 55.0  |
| 54      | 44.2  |        | 36.6  | 55.0  |

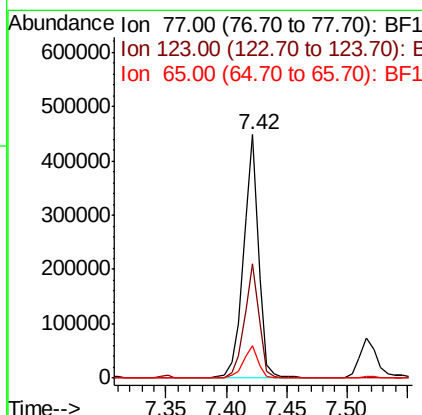
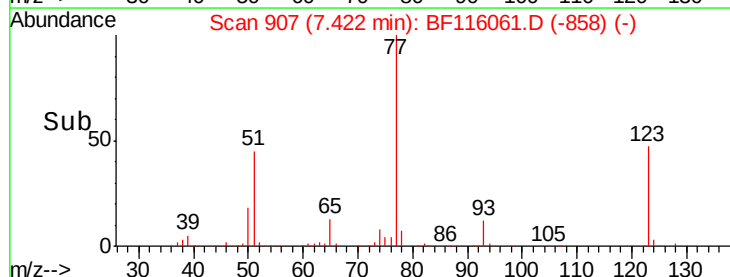
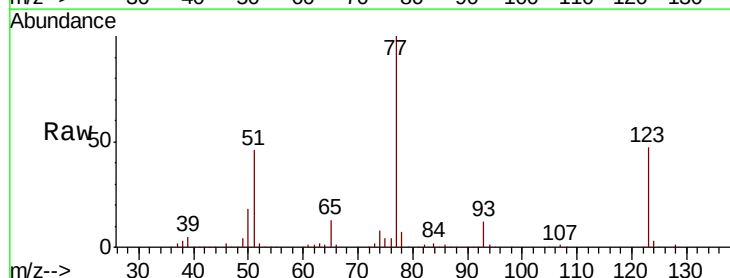
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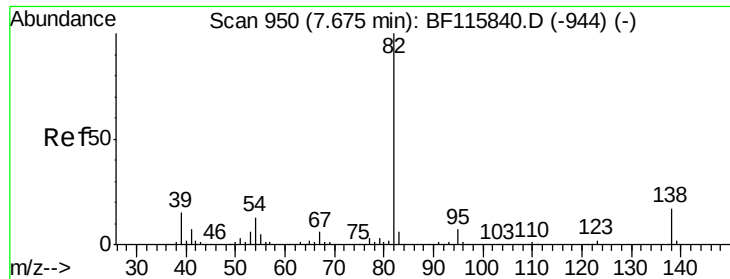


#24  
Nitrobenzene  
Concen: 37.805 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 390813 |       |       |
| 123     | 46.8  |        | 35.5  | 53.3  |
| 65      | 13.1  |        | 10.6  | 15.8  |







#25

Isophorone

Concen: 38.816 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

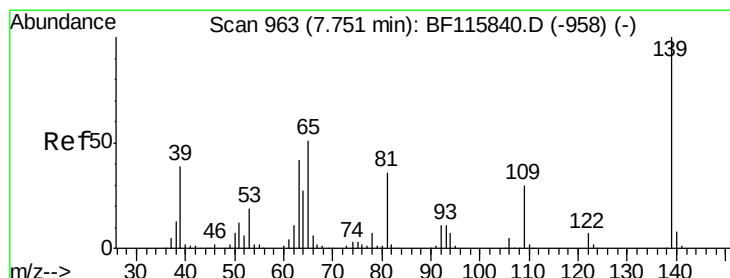
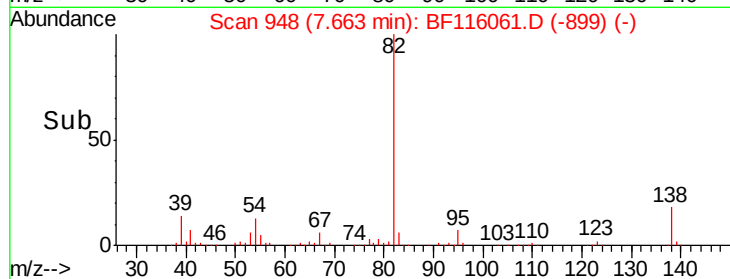
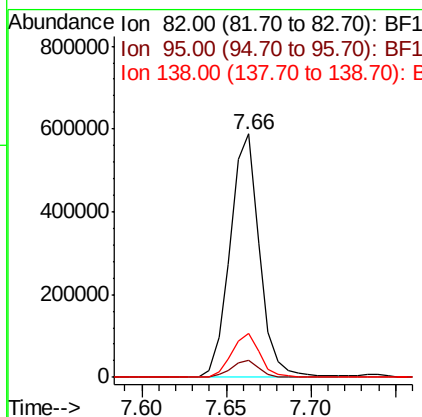
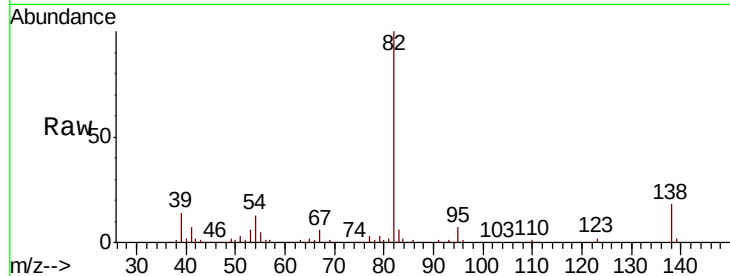
ClientSampleId :

PB122034BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 710608 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.5   | 8.3    |
| 138       | 18.2  | 13.9  | 20.9   |

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#26

2-Nitrophenol

Concen: 40.310 ng

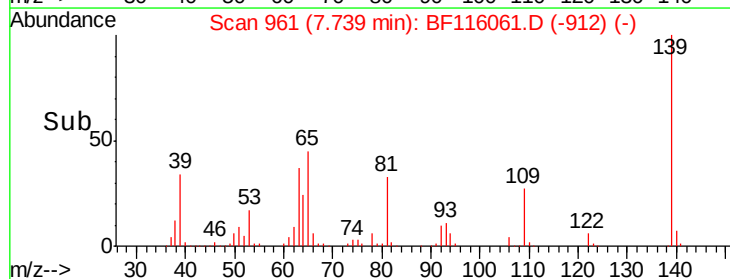
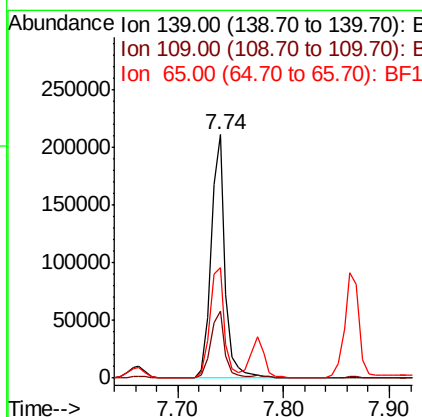
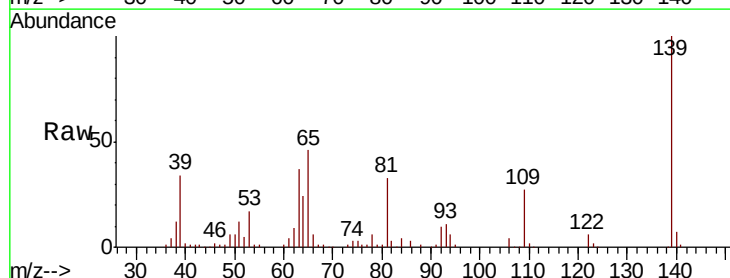
RT: 7.74 min Scan# 961

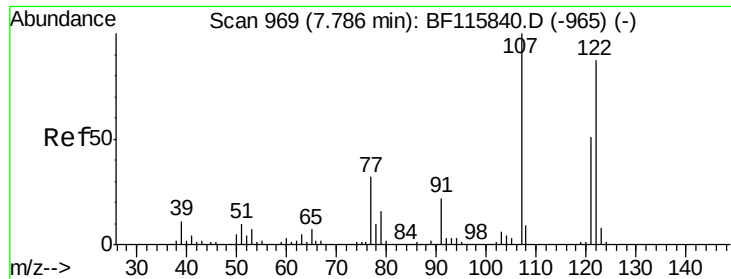
Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 196430 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 27.5  | 23.6  | 35.4   |
| 65        | 45.5  | 40.6  | 60.8   |





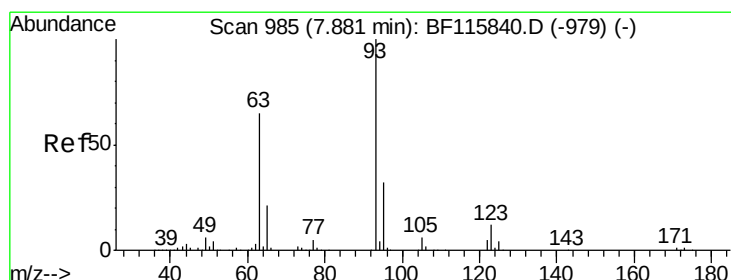
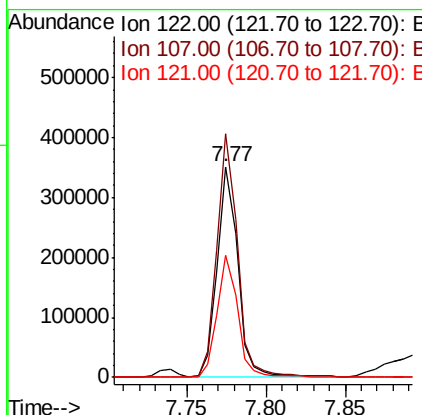
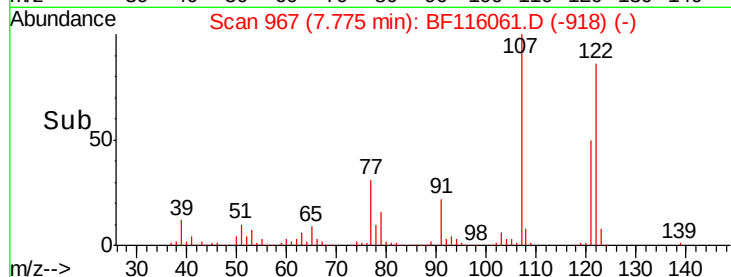
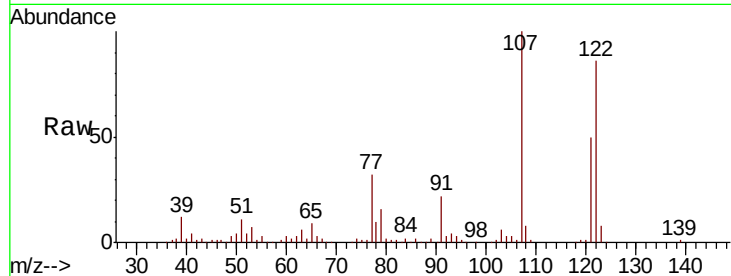
#27  
 2,4-Dimethylphenol  
 Concen: 43.662 ng  
 RT: 7.77 min Scan# 967  
 Delta R.T. -0.01 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 115.6 | 91.7  | 137.5 |
| 121     | 57.8  | 46.6  | 70.0  |

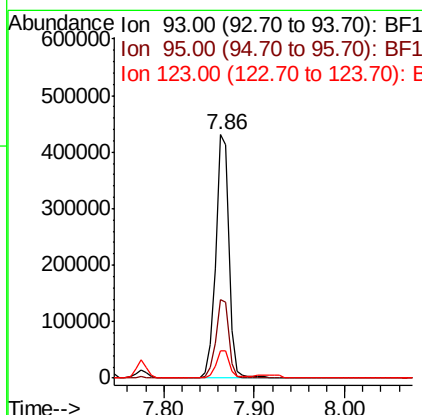
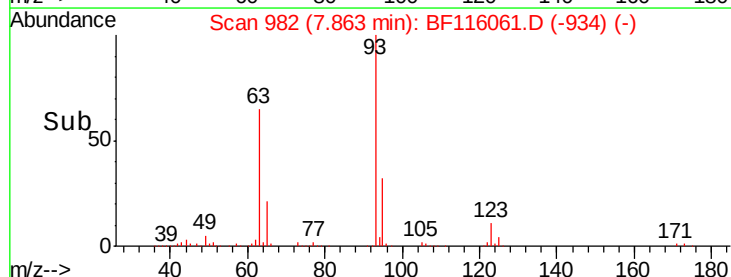
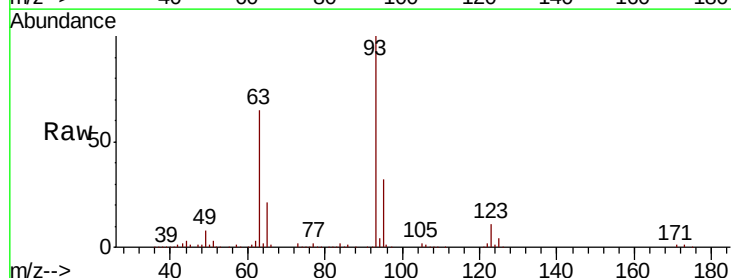
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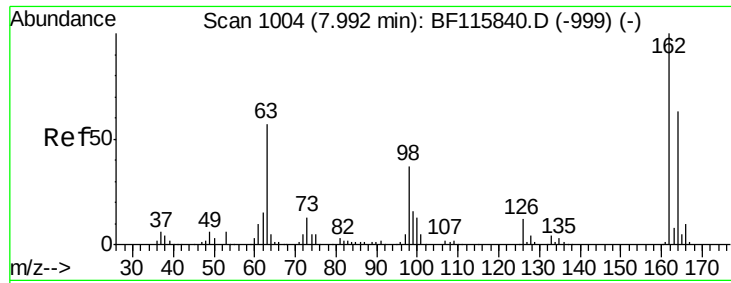
mohammad  
 8/14/2019 9:21:14 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.294 ng  
 RT: 7.86 min Scan# 982  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 26.0  | 39.0  |
| 123     | 11.0  | 9.5   | 14.3  |





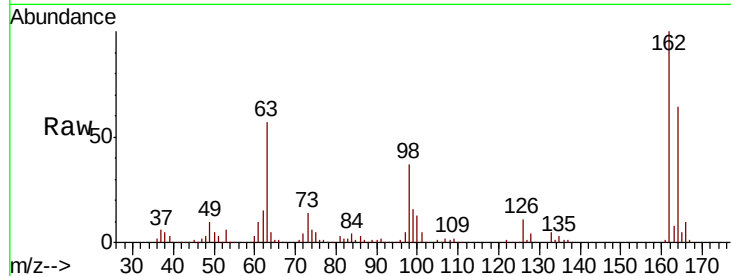
#29  
 2,4-Dichlorophenol  
 Concen: 39.758 ng  
 RT: 7.98 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

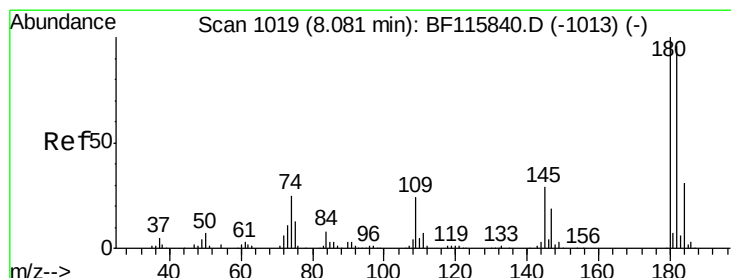
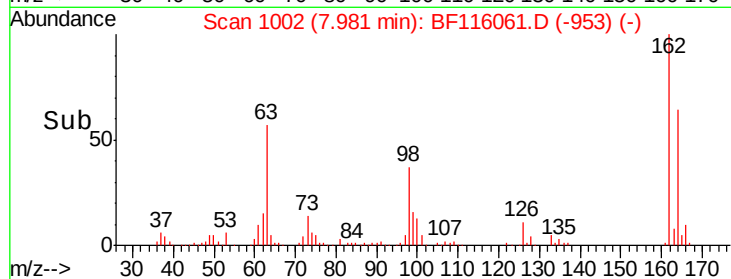
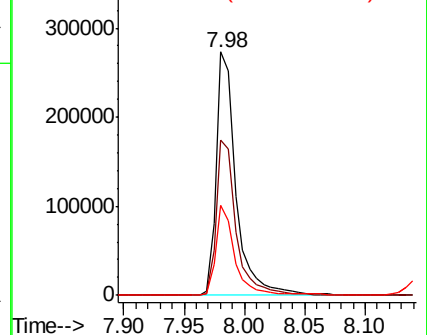
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 307759 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.6  | 43.2  | 83.2   |
| 98        | 37.1  | 17.3  | 57.3   |

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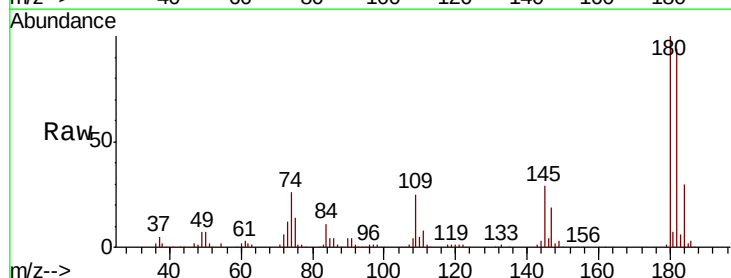


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

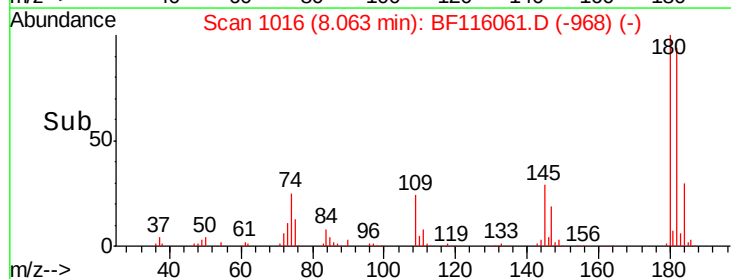
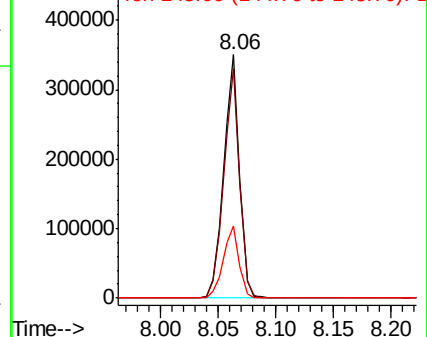


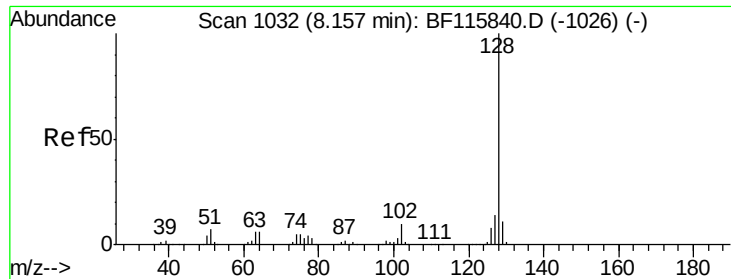
#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.525 ng  
 RT: 8.06 min Scan# 1016  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 331116 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.2  | 76.6  | 114.8  |
| 145       | 29.4  | 23.2  | 34.8   |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





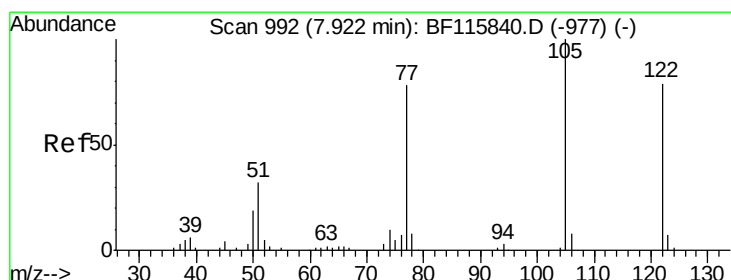
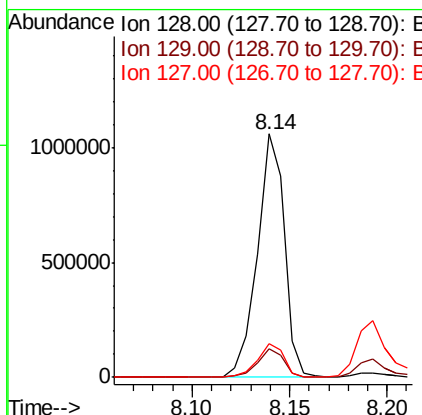
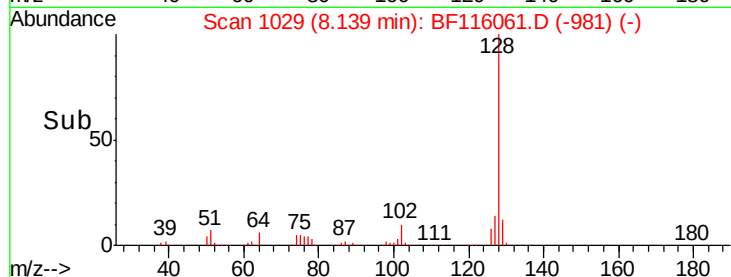
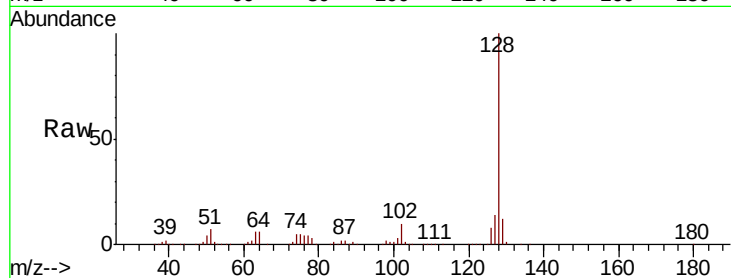
#31  
Naphthalene  
Concen: 39.165 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampled :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 9.2   | 13.8  |
| 127     | 13.7  | 11.0  | 16.4  |

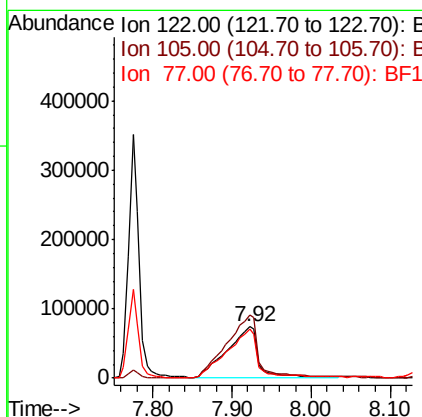
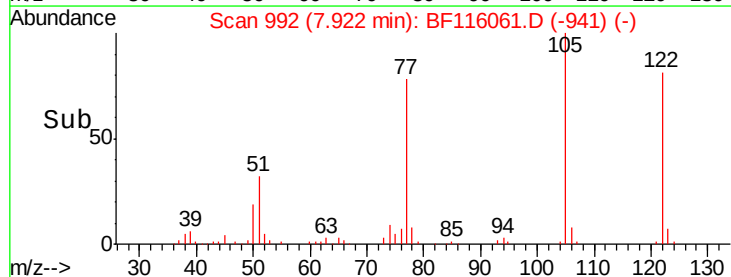
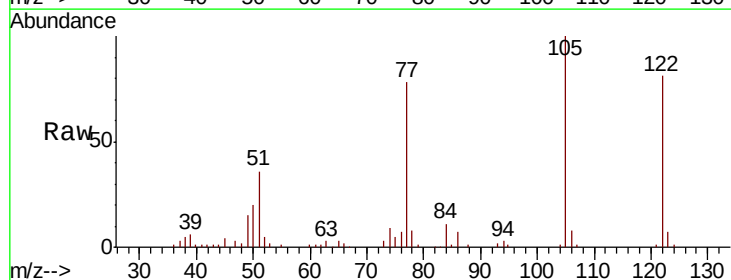
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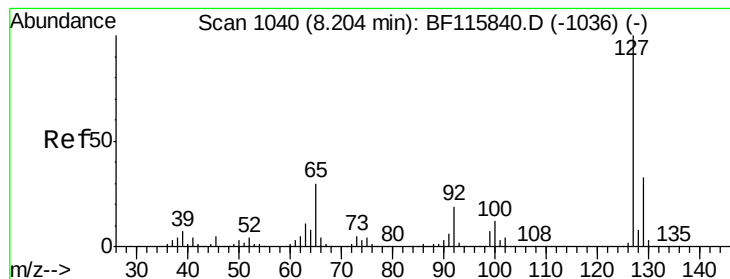
mohammad  
8/14/2019 9:21:14 AM



#32  
Benzoic acid  
Concen: 38.537 ng  
RT: 7.92 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 122.7 | 103.1 | 143.1 |
| 77      | 96.0  | 76.8  | 116.8 |





#33

4-Chloroaniline

Concen: 26.964 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

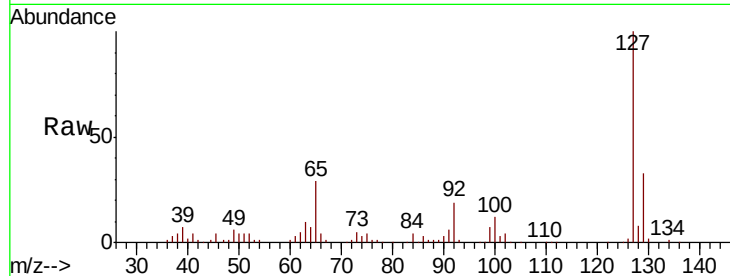
ClientSampleId :

PB122034BS

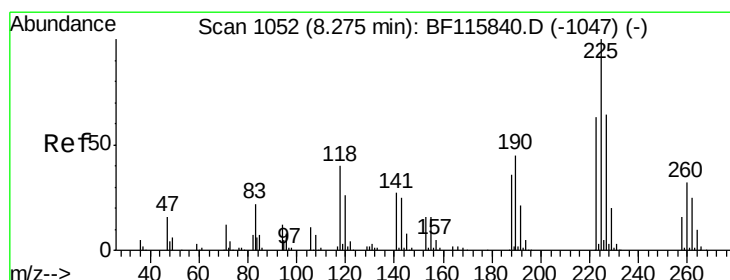
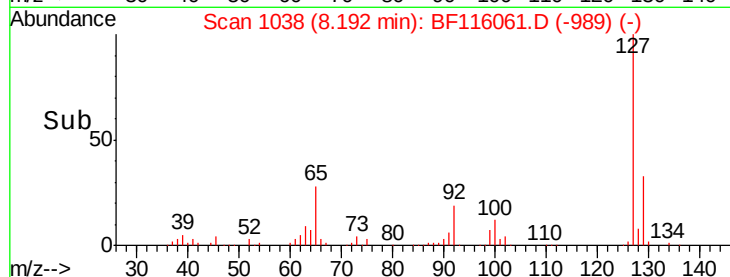
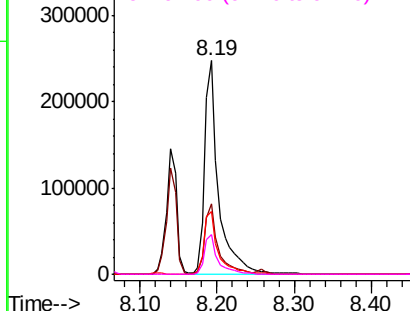
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 33.1 | 26.0  | 39.0 |       |       |
| 65      | 29.1 | 23.9  | 35.9 |       |       |
| 92      | 18.5 | 14.9  | 22.3 |       |       |

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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: 36.070 ng

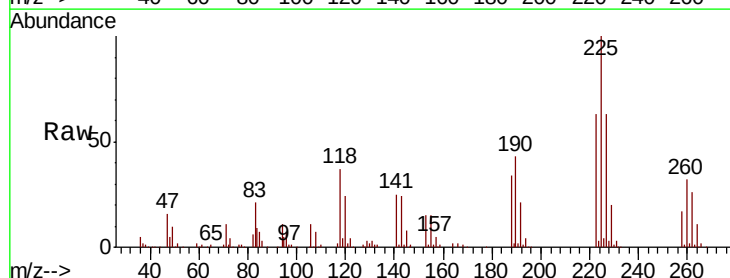
RT: 8.26 min Scan# 1049

Delta R.T. -0.02 min

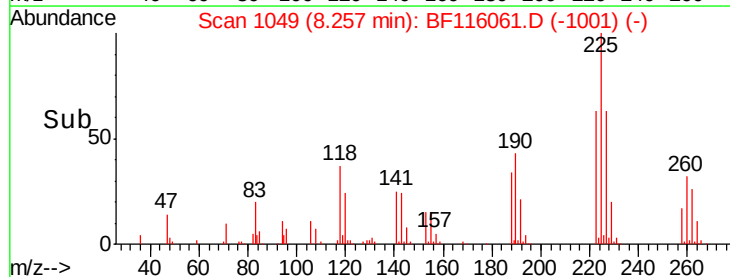
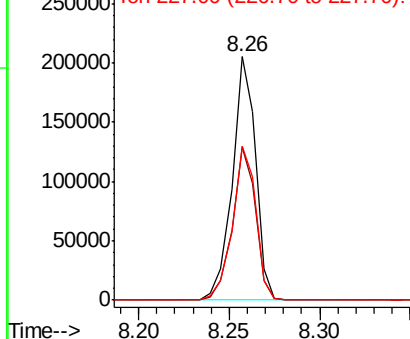
Lab File: BF116061.D

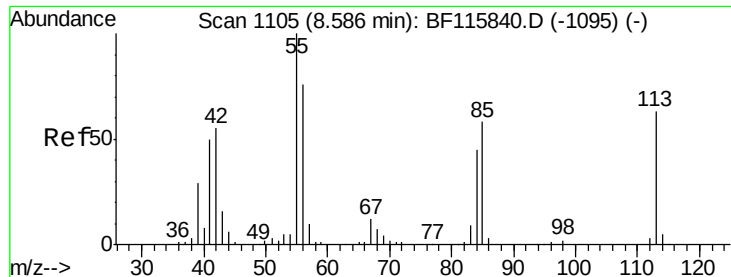
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.5 | 50.4  | 75.6 |       |       |
| 227     | 63.4 | 51.6  | 77.4 |       |       |



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





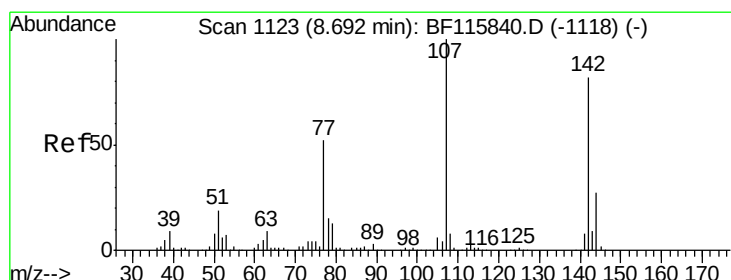
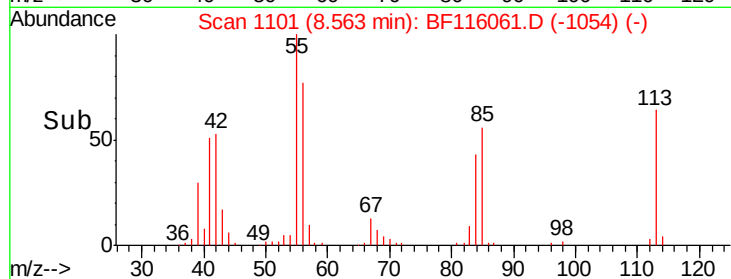
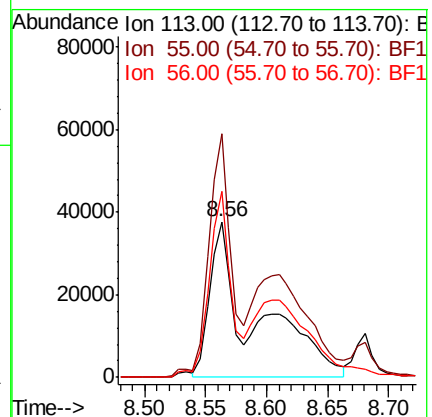
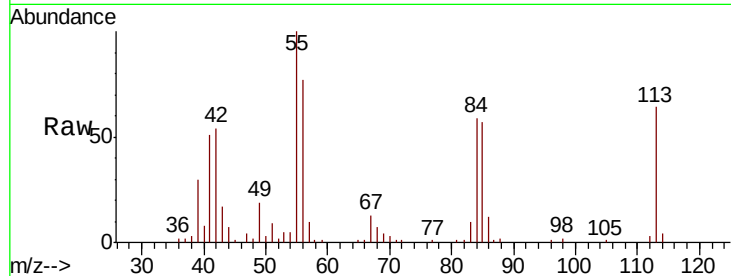
#35  
Caprolactam  
Concen: 38.403 ng/ml  
RT: 8.56 min Scan# 1101  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 156.3 | 138.1 | 178.1 |
| 56      | 119.8 | 100.6 | 140.6 |

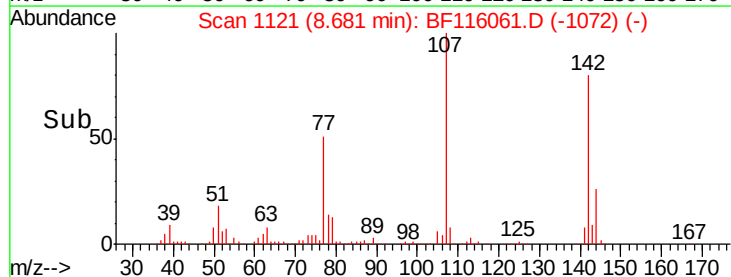
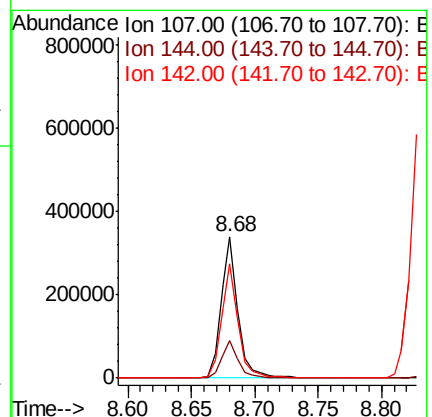
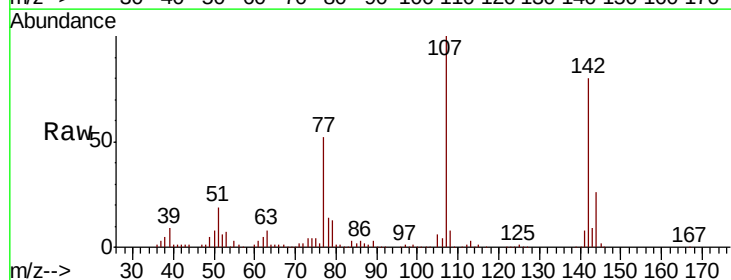
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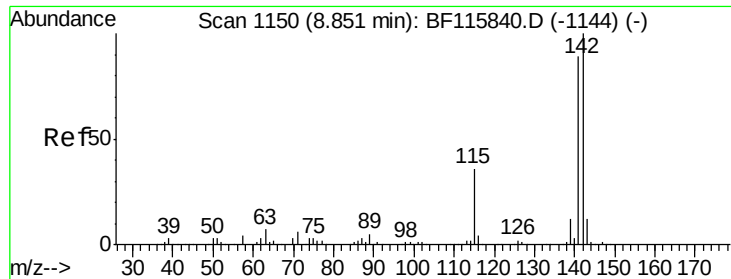
mohammad  
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#36  
4-Chloro-3-methylphenol  
Concen: 39.696 ng/ml  
RT: 8.68 min Scan# 1121  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.3  | 21.4  | 32.0  |
| 142     | 80.2  | 65.5  | 98.3  |





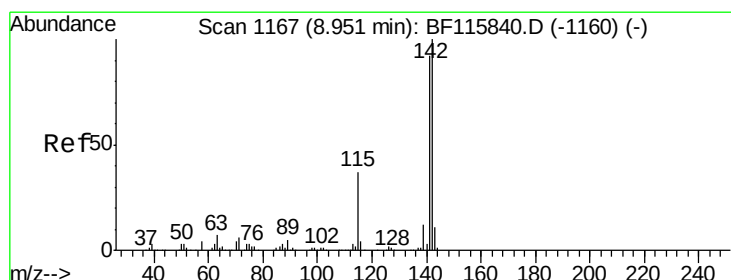
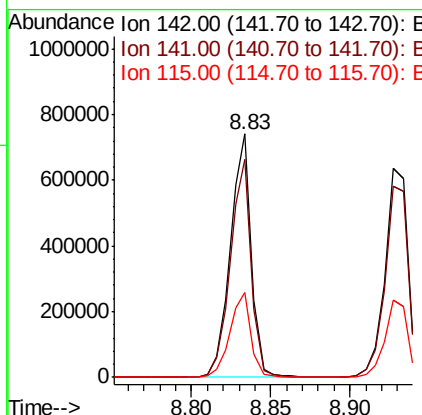
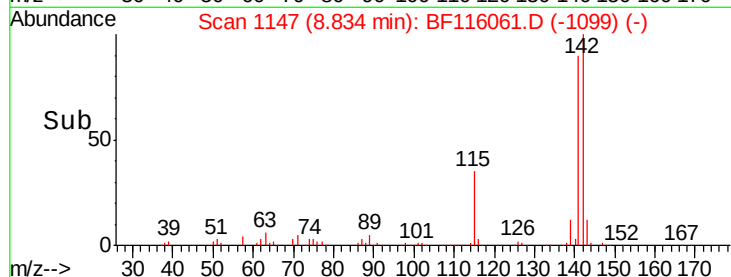
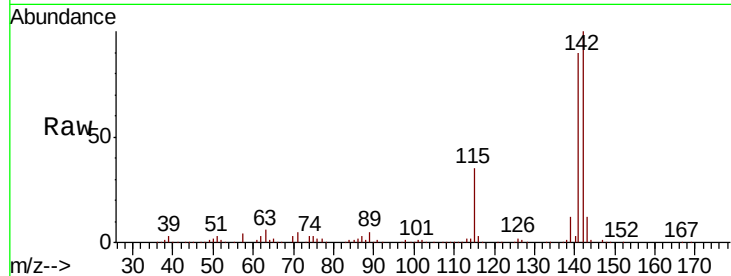
#37  
2-Methylnaphthalene  
Concen: 39.625 ng  
RT: 8.83 min Scan# 1147  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 71.4  | 107.2 |
| 115     | 34.7  | 28.9  | 43.3  |

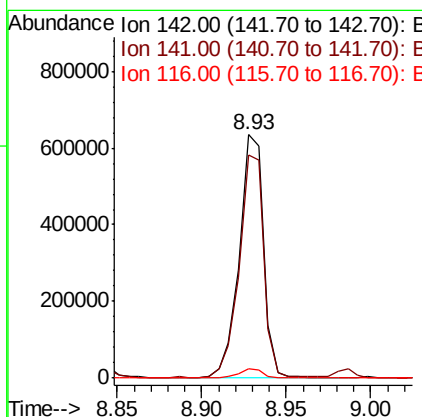
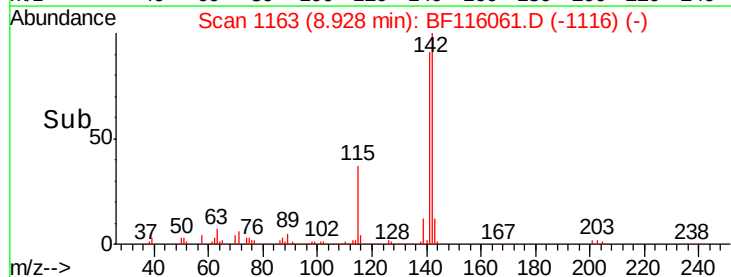
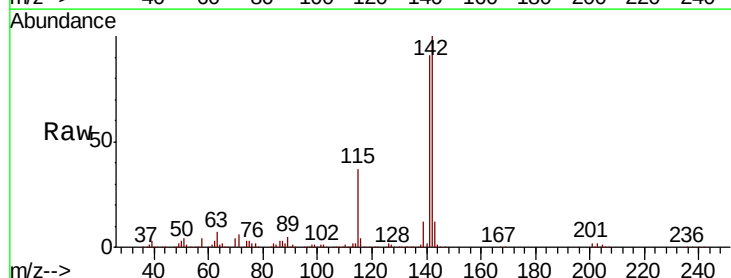
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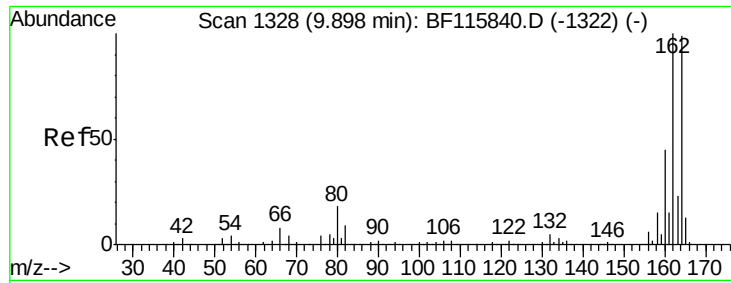
mohammad  
8/14/2019 9:21:14 AM



#38  
1-Methylnaphthalene  
Concen: 39.150 ng  
RT: 8.93 min Scan# 1163  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.5  | 73.8  | 110.6 |
| 116     | 3.9   | 3.1   | 4.7   |





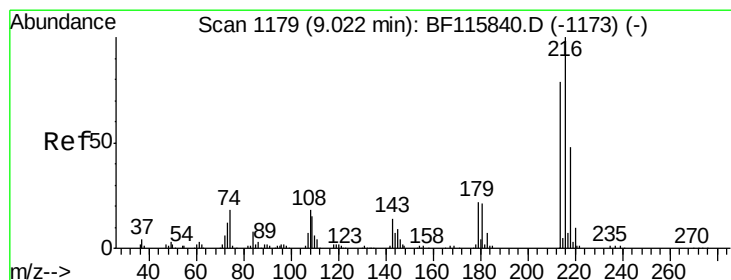
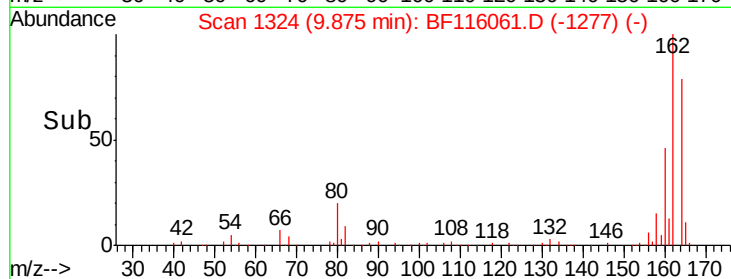
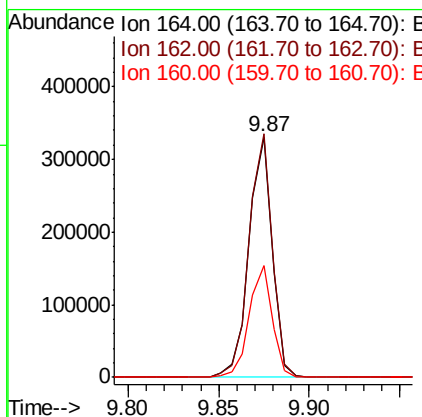
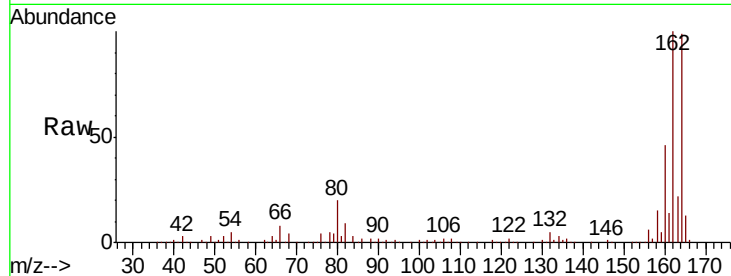
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 101.3 | 80.8 | 121.2 |       |
| 160     | 46.4  | 36.2 | 54.4  |       |

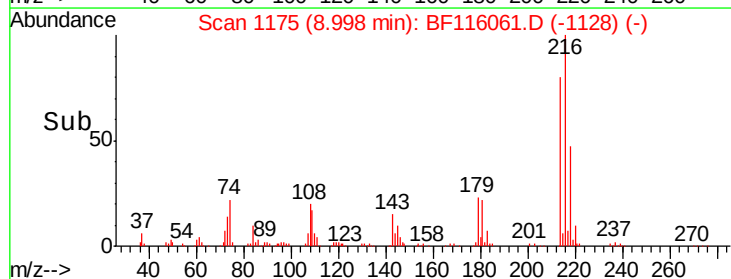
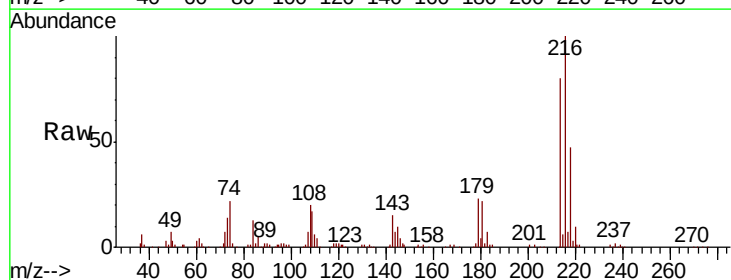
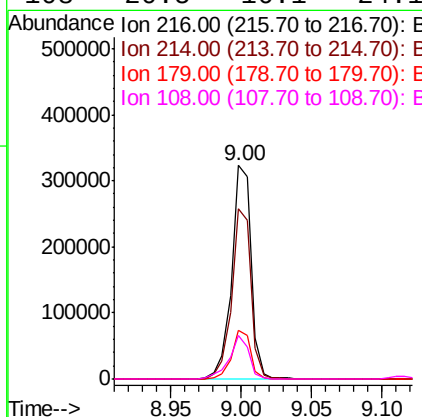
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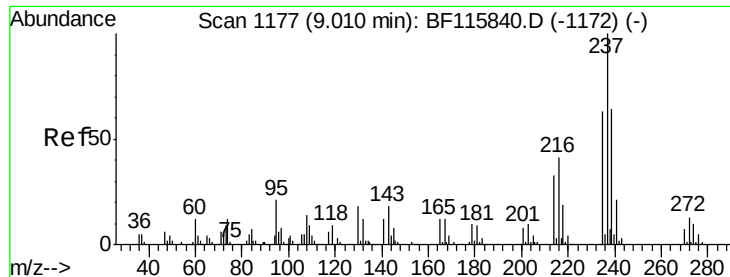


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.191 ng  
RT: 9.00 min Scan# 1175  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 79.1  | 62.8 | 94.2  |       |
| 179     | 22.1  | 17.6 | 26.4  |       |
| 108     | 20.5  | 16.1 | 24.1  |       |







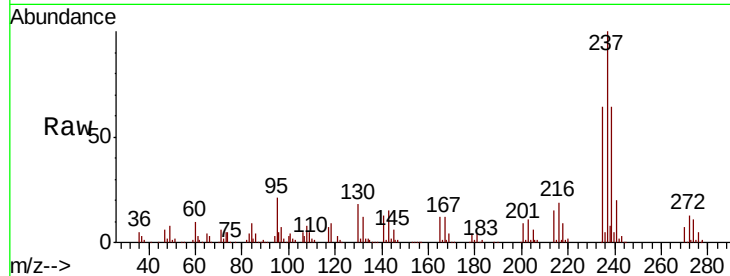
#41  
Hexachlorocyclopentadiene  
Concen: 43.035 ng  
RT: 8.99 min Scan# 1173  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

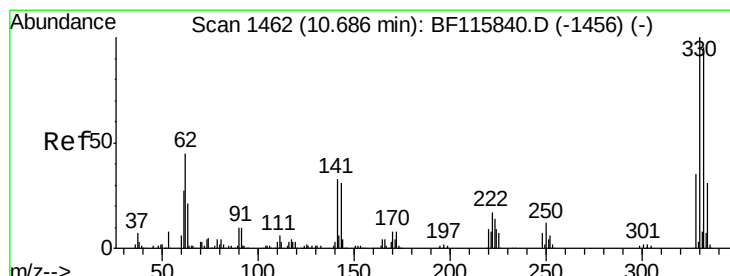
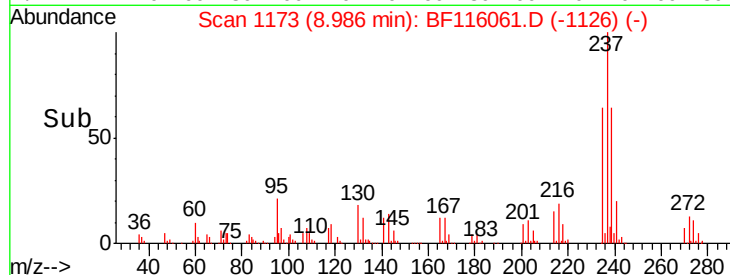
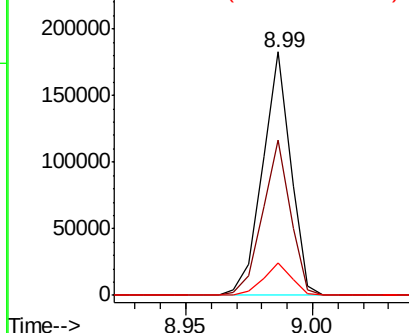
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 63.7  | 42.5       | 82.5  |
| 272     | 13.1  | 0.0        | 33.3  |

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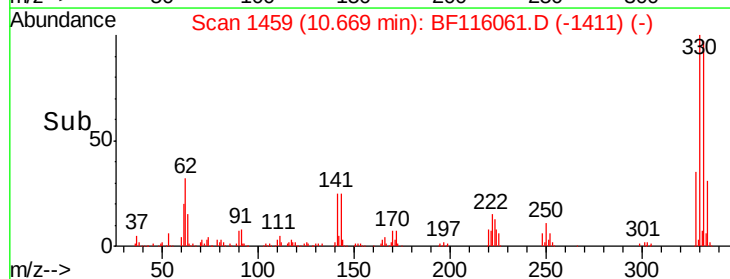
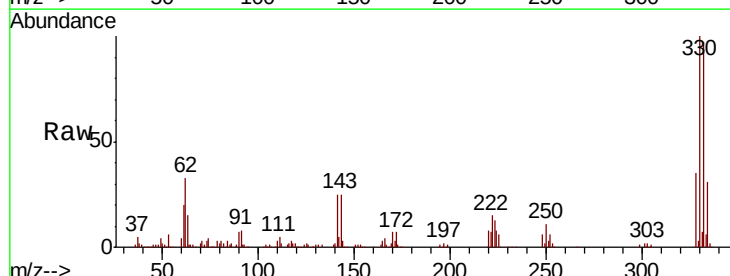
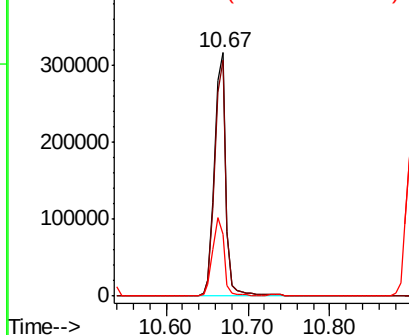
Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

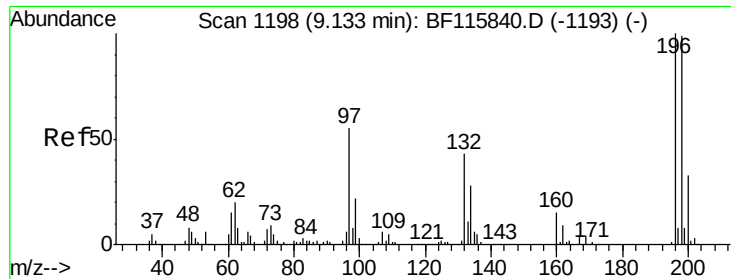


#42  
2,4,6-Tribromophenol  
Concen: 108.673 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 96.6  | 77.7       | 116.5 |
| 141     | 32.3  | 28.1       | 42.1  |

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





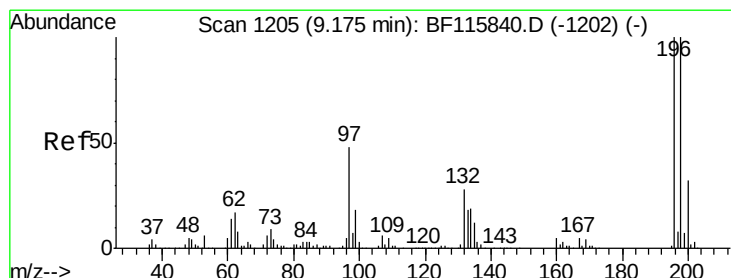
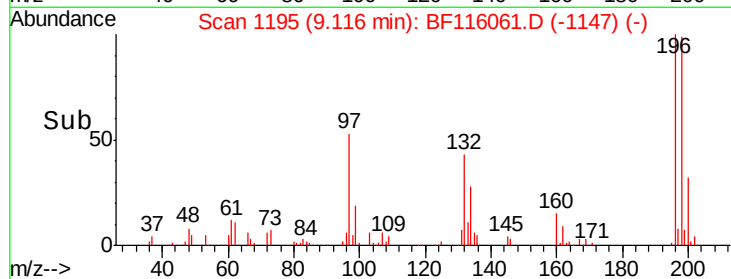
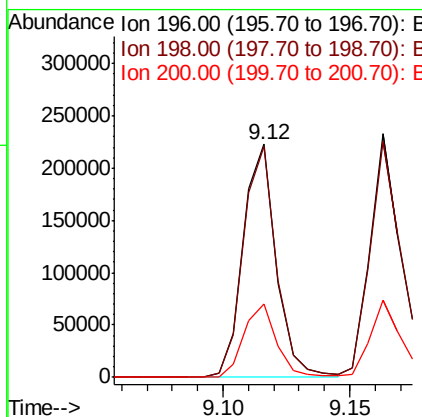
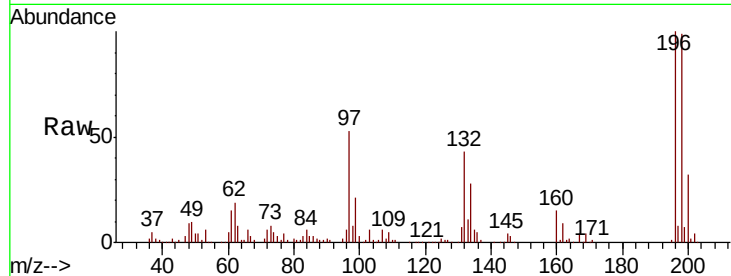
#43  
 2,4,6-Trichlorophenol  
 Concen: 37.349 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 203476 |       |       |
| 198     | 98.9  | 79.1   | 118.7 |       |
| 200     | 31.6  | 26.0   | 39.0  |       |

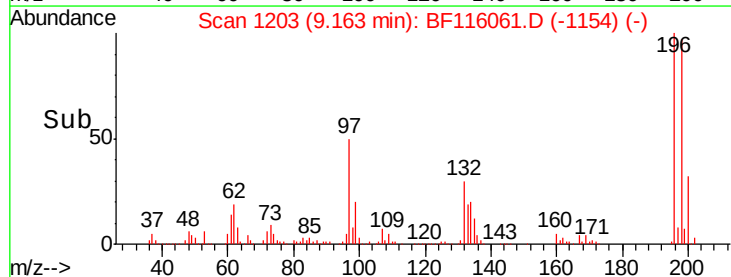
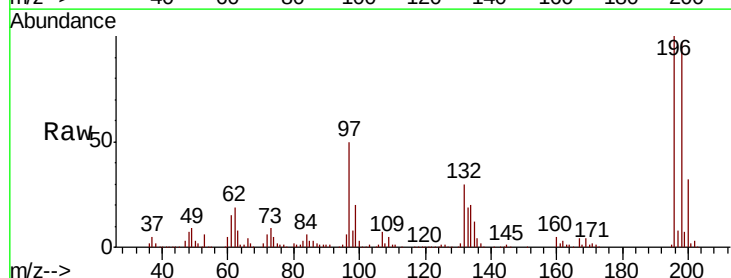
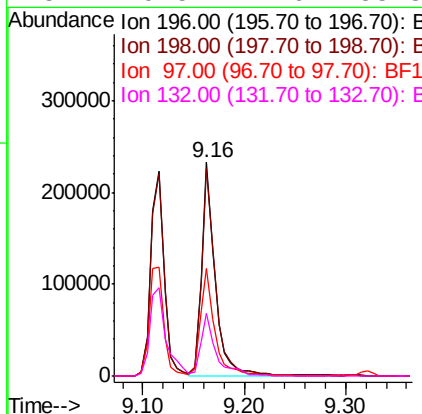
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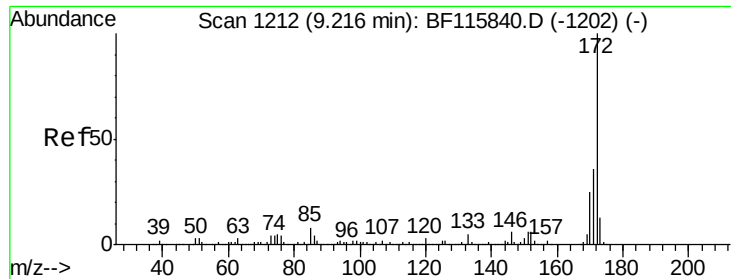
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#44  
 2,4,5-Trichlorophenol  
 Concen: 38.366 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 216061 |       |       |
| 198     | 96.9  | 80.1   | 120.1 |       |
| 97      | 50.3  | 38.9   | 58.3  |       |
| 132     | 29.5  | 22.6   | 33.8  |       |





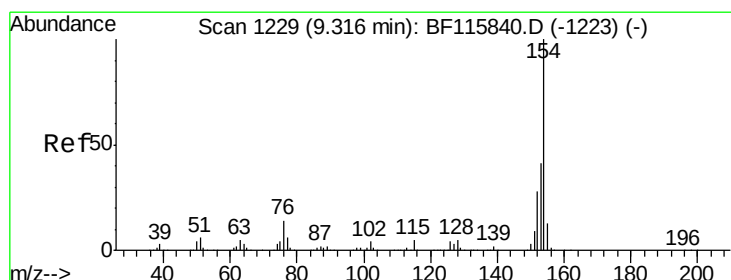
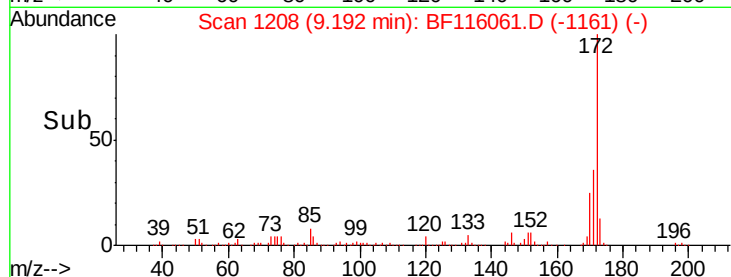
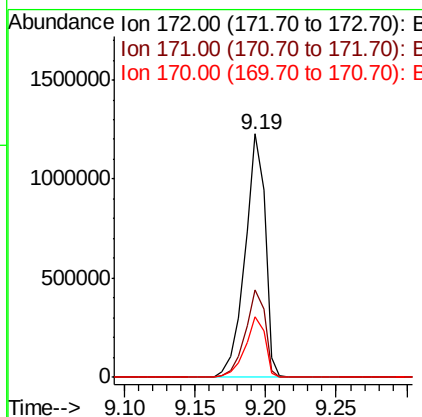
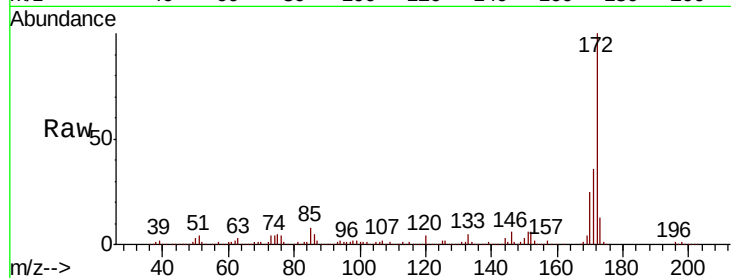
#45  
2-Fluorobiphenyl  
Concen: 77.290 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.1  | 43.7  |
| 170     | 24.7  | 20.1  | 30.1  |

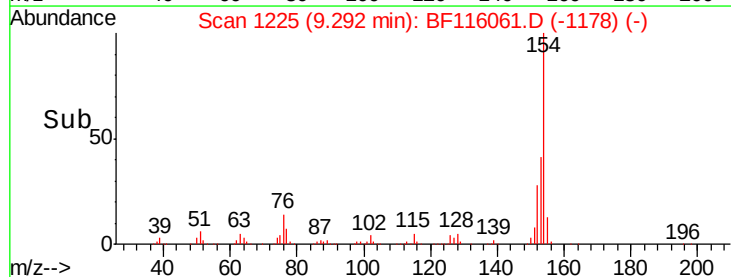
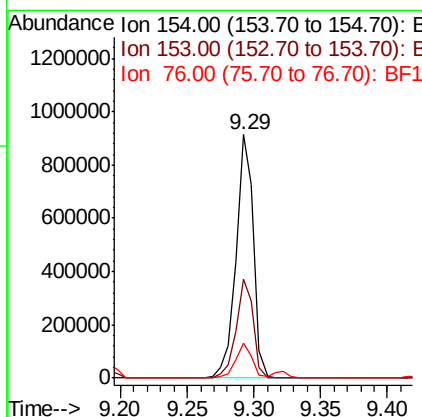
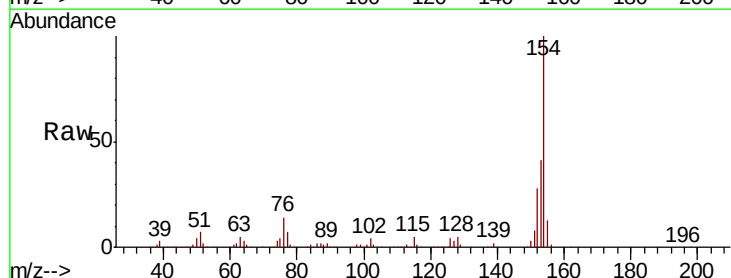
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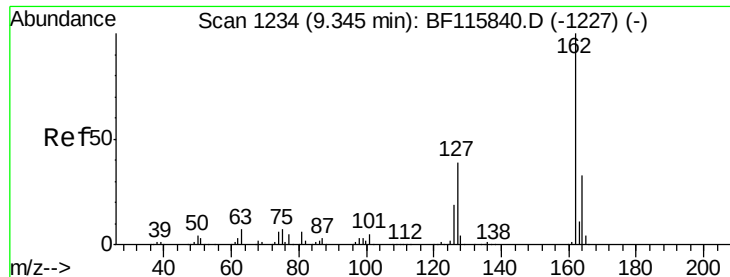
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#46  
1,1'-Biphenyl  
Concen: 39.989 ng  
RT: 9.29 min Scan# 1225  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 20.9  | 60.9  |
| 76      | 14.2  | 0.0   | 34.3  |





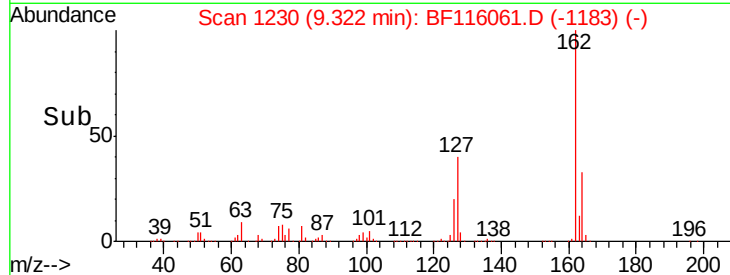
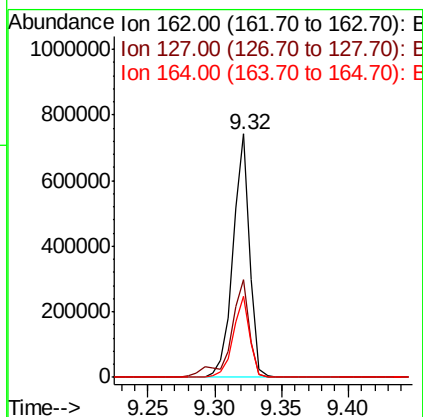
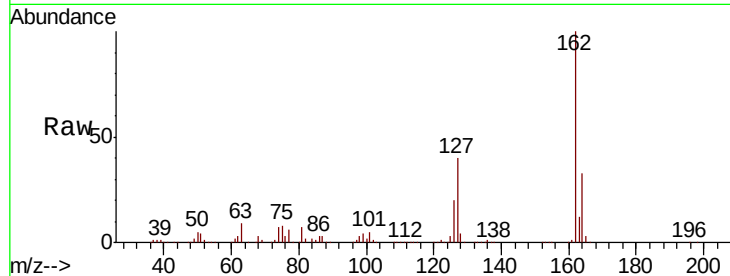
#47  
 2-Chloronaphthalene  
 Concen: 37.361 ng  
 RT: 9.32 min Scan# 1230  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 162     | 100  |       |      |       |       |
| 127     | 40.4 | 31.3  | 46.9 |       |       |
| 164     | 33.3 | 26.6  | 40.0 |       |       |

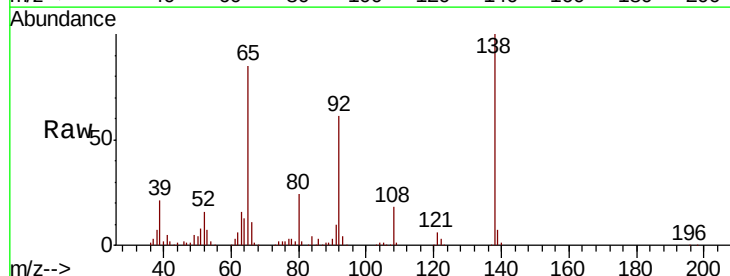
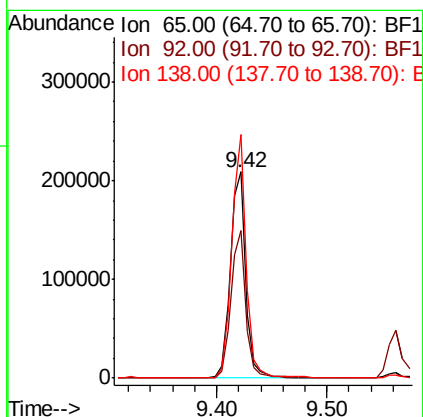
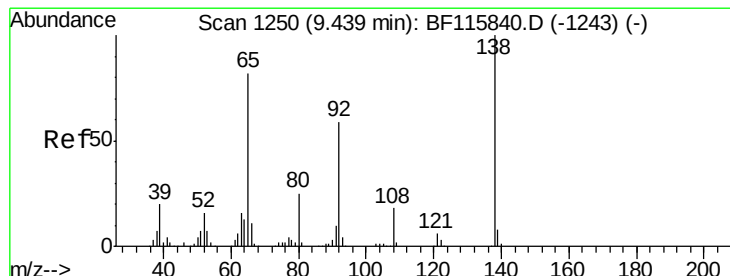
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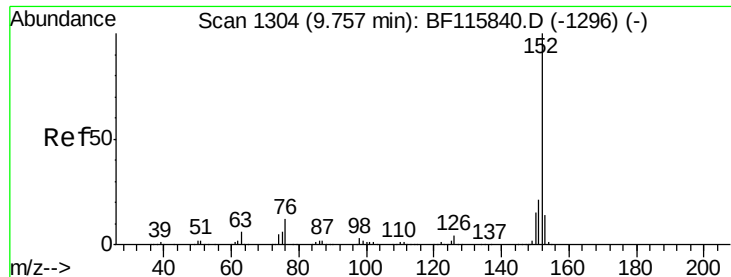
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#48  
 2-Nitroaniline  
 Concen: 35.545 ng  
 RT: 9.42 min Scan# 1247  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 65      | 100   |       |       |       |       |
| 92      | 71.6  | 57.1  | 85.7  |       |       |
| 138     | 118.1 | 97.1  | 145.7 |       |       |





#49

Acenaphthylene

Concen: 38.963 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

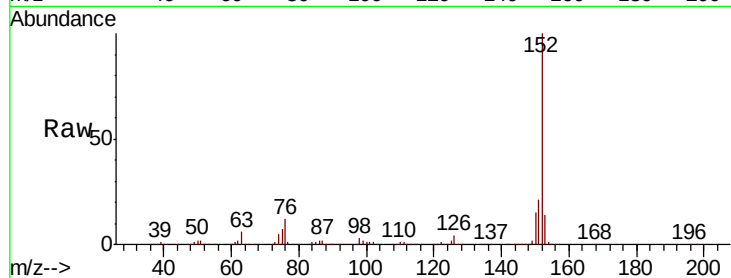
ClientSampleId :

PB122034BS

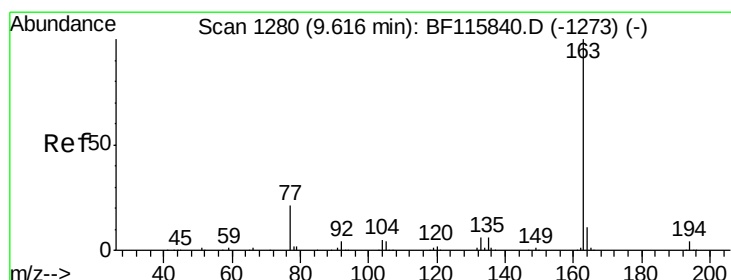
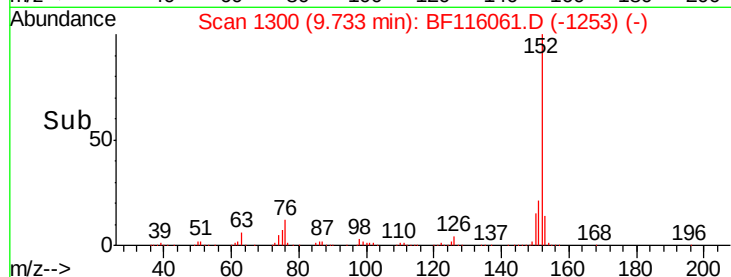
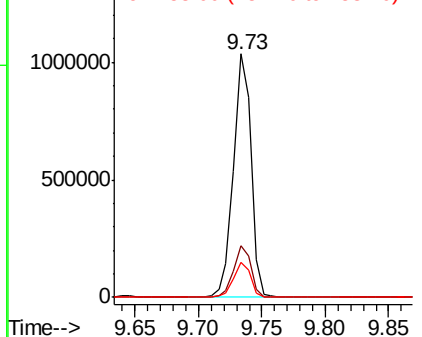
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 988867 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.0  | 16.8  | 25.2   |
| 153       | 14.4  | 11.6  | 17.4   |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.494 ng

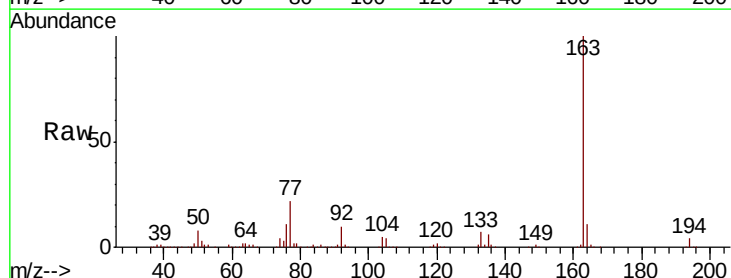
RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

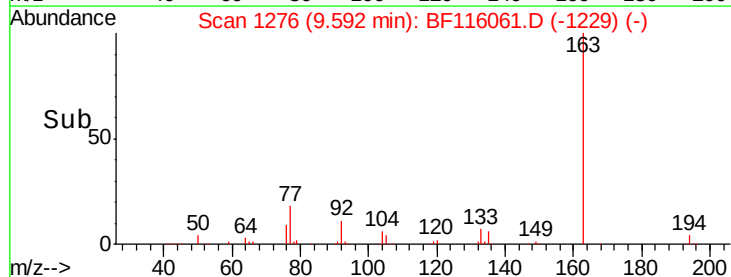
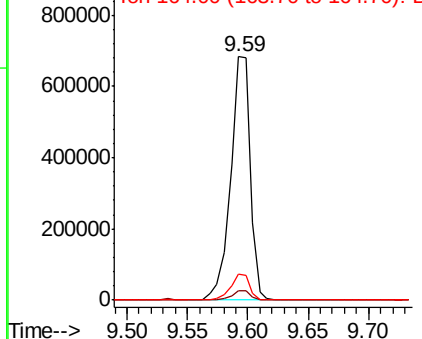
Lab File: BF116061.D

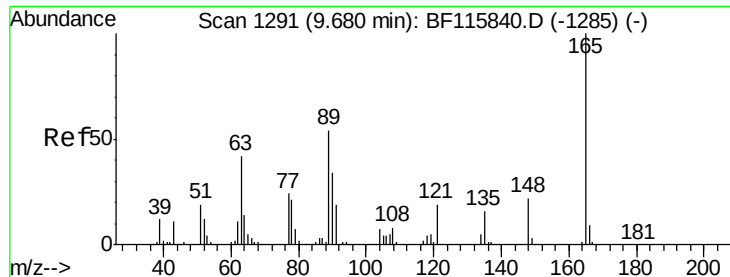
Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 775982 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.7   | 3.0   | 4.6    |
| 164       | 10.5  | 8.4   | 12.6   |



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 38.852 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

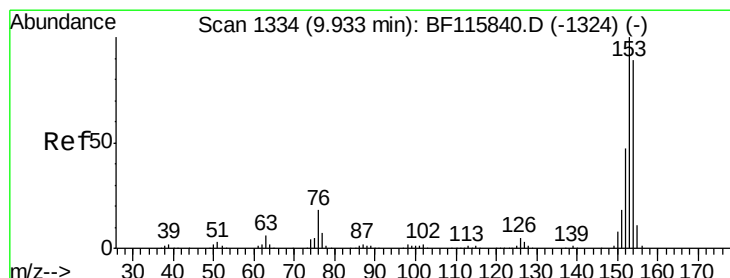
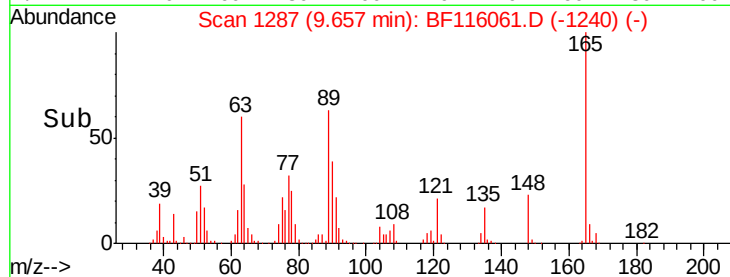
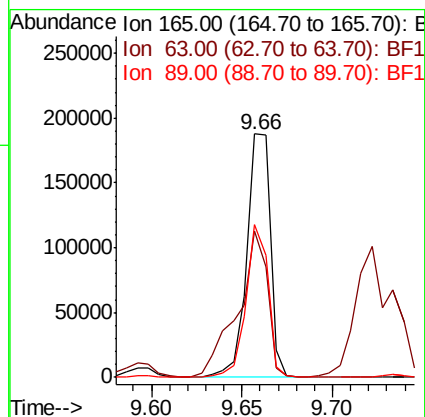
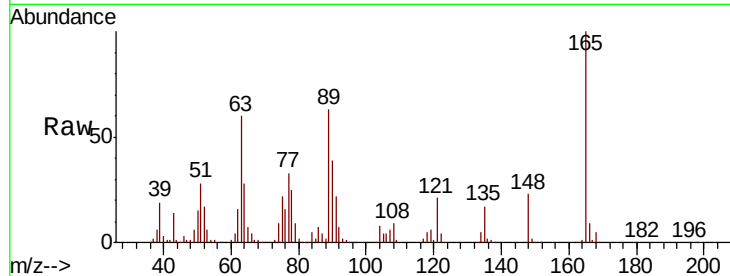
ClientSampleID :

PB122034BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 170202 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 59.9  | 39.4  | 59.2#  |
| 89        | 62.7  | 43.0  | 64.6   |

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#52

Acenaphthene

Concen: 38.136 ng

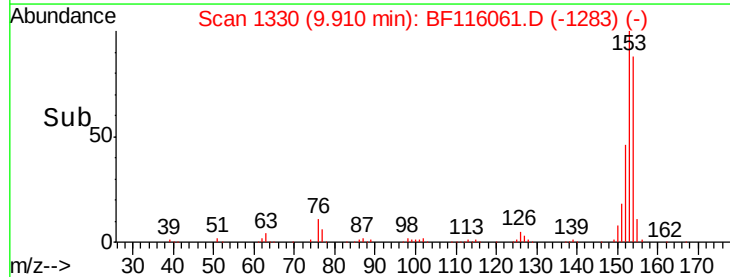
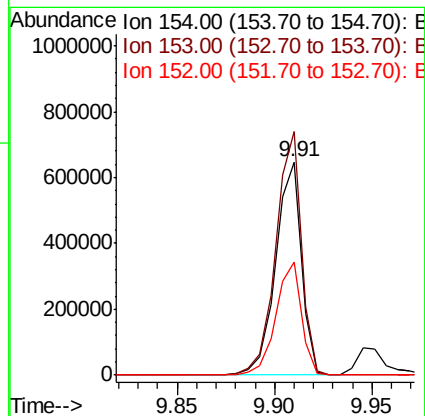
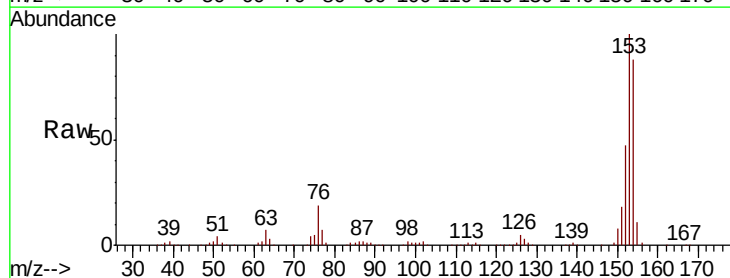
RT: 9.91 min Scan# 1330

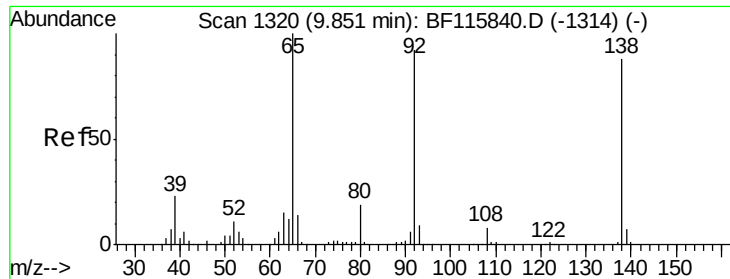
Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 593788 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.1 | 90.1  | 135.1  |
| 152       | 53.1  | 42.6  | 63.8   |





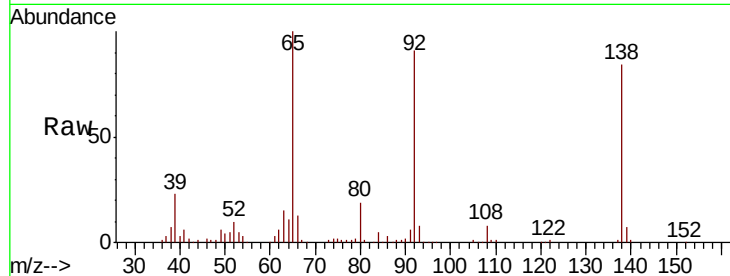
#53  
3-Nitroaniline  
Concen: 26.974 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.8   | 7.4   | 11.2  |
| 92      | 108.6 | 83.9  | 125.9 |

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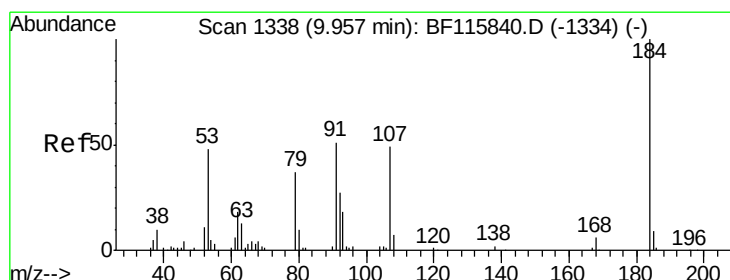
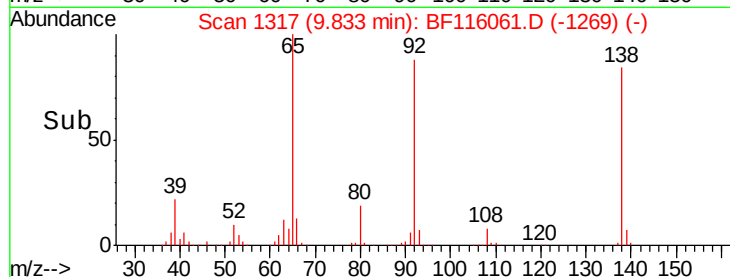
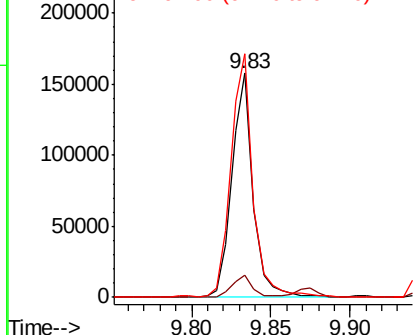


Abundance

Ion 138.00 (137.70 to 138.70): E

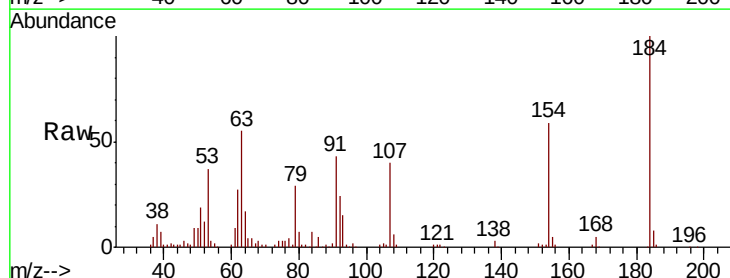
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 69.854 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 54.7  | 56.7  | 85.1# |
| 154     | 59.4  | 51.9  | 77.9  |

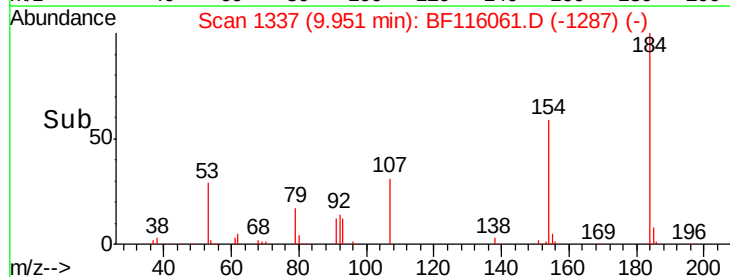
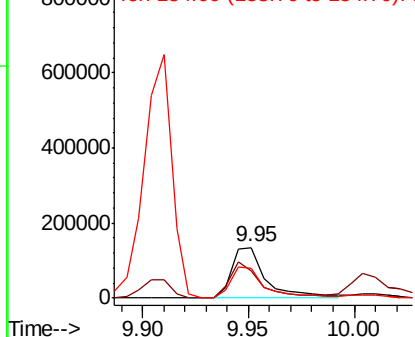


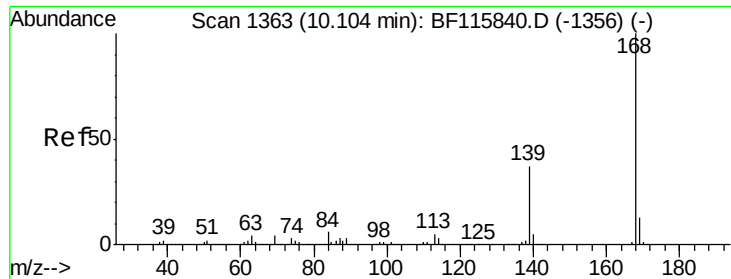
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





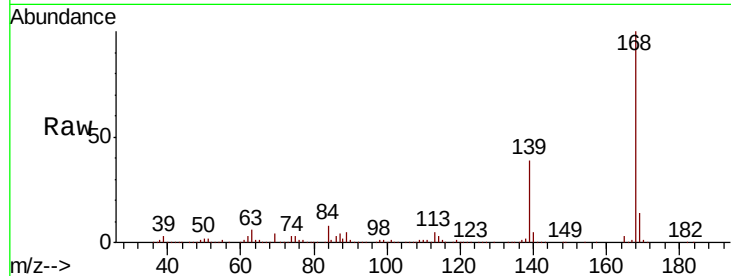
#55  
Dibenzofuran  
Concen: 38.601 ng  
RT: 10.08 min Scan# 1359  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.0  | 30.2  | 45.2  |
| 169     | 13.5  | 10.8  | 16.2  |

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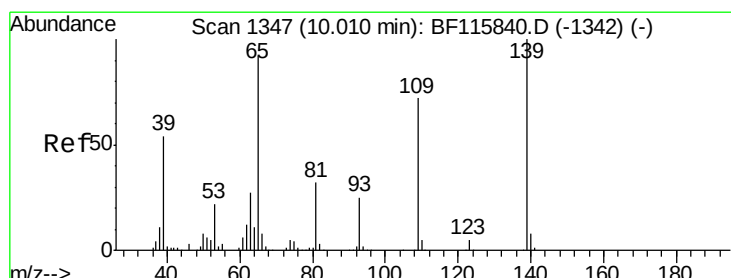
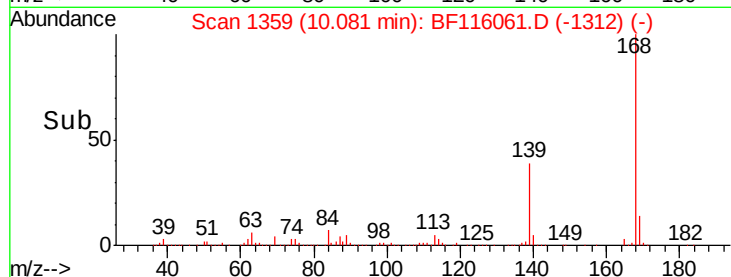
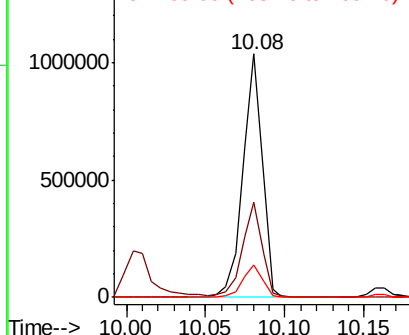


Abundance

Ion 168.00 (167.70 to 168.70): E

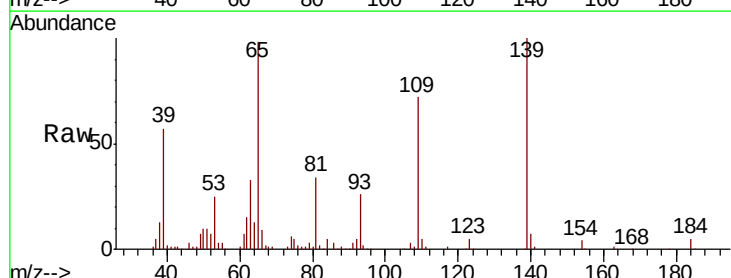
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 68.581 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 72.0  | 52.0  | 92.0  |
| 65      | 98.2  | 72.6  | 112.6 |

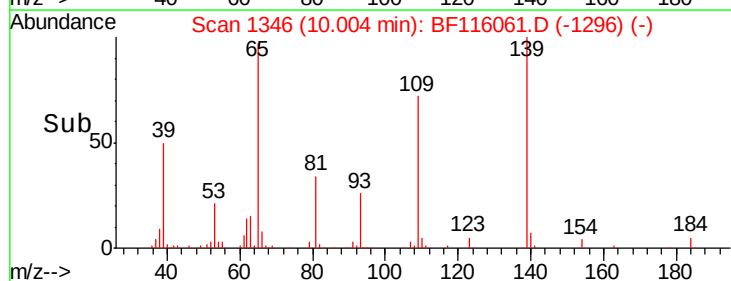
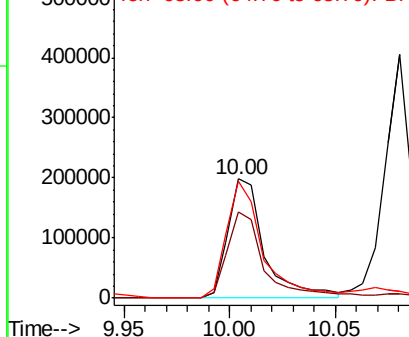


Abundance

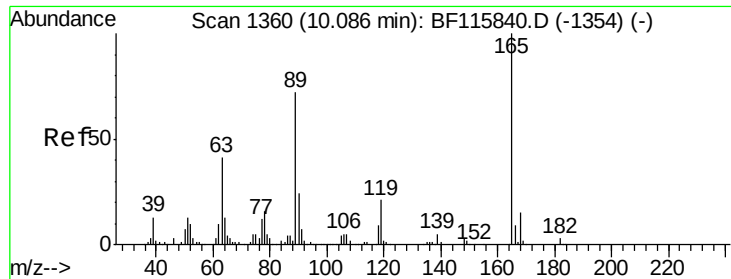
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1







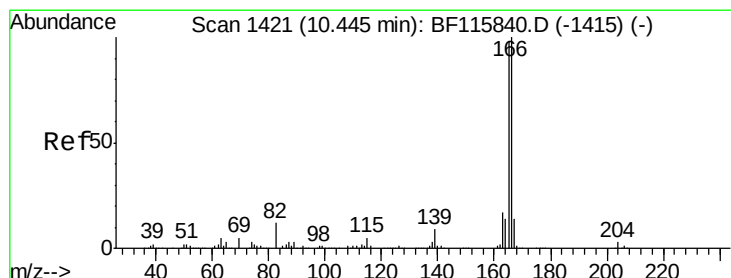
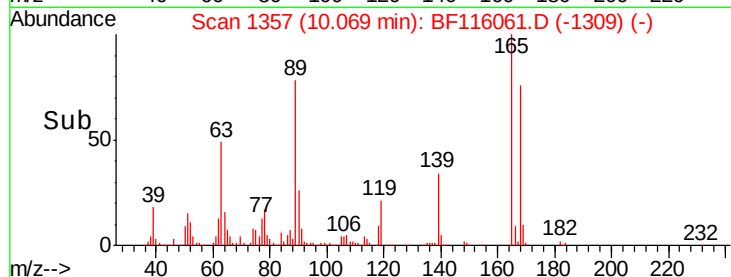
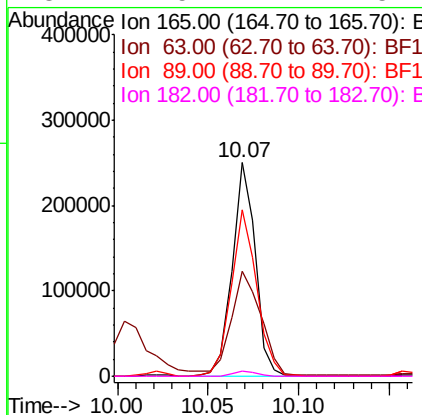
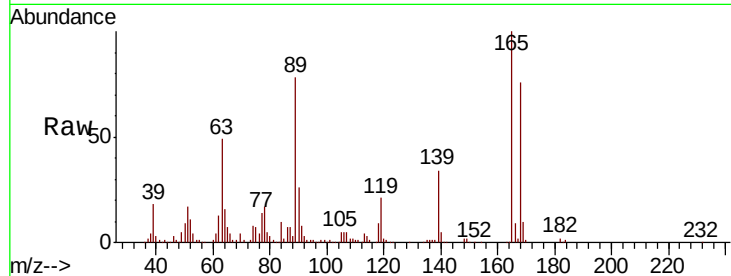
#57  
2,4-Dinitrotoluene  
Concen: 38.300 ng  
RT: 10.07 min Scan# 1357  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 223389 |       |       |
| 63      | 48.9  |        | 33.2  | 49.8  |
| 89      | 77.8  |        | 57.3  | 85.9  |
| 182     | 2.5   |        | 2.1   | 3.1   |

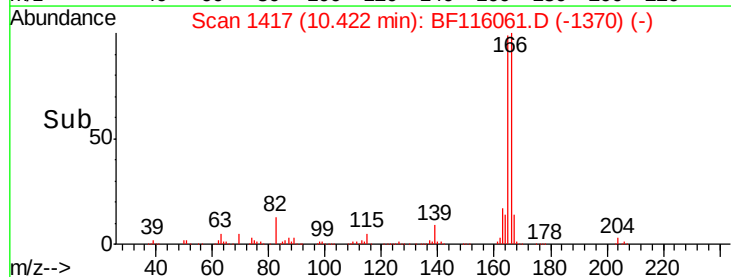
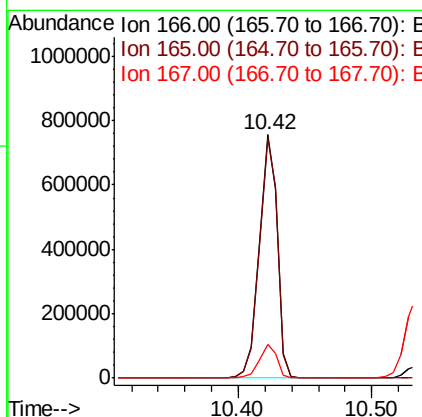
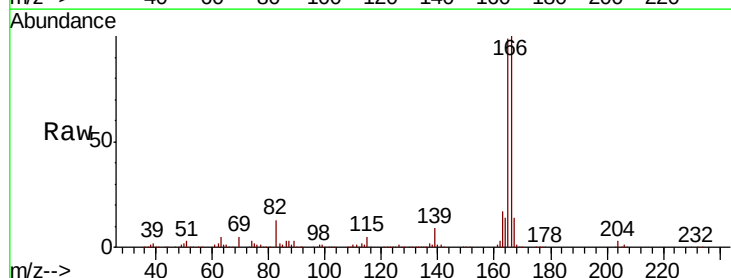
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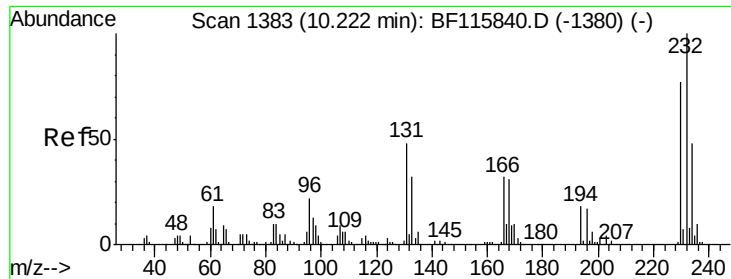
mohammad  
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#58  
Fluorene  
Concen: 39.550 ng  
RT: 10.42 min Scan# 1417  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 689002 |       |       |
| 165     | 98.7  |        | 78.6  | 118.0 |
| 167     | 14.1  |        | 10.9  | 16.3  |





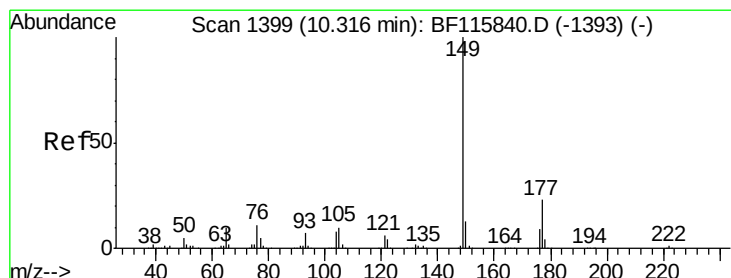
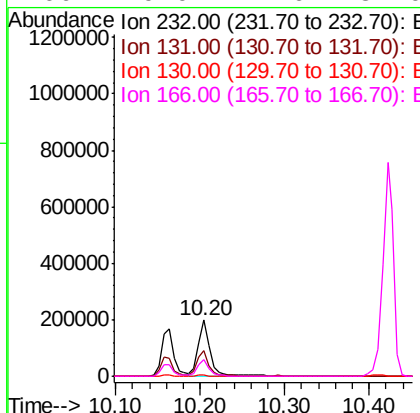
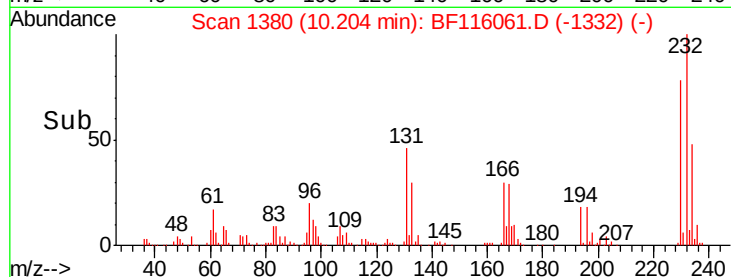
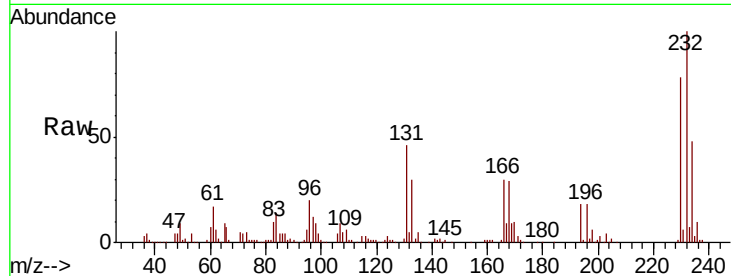
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.782 ng  
 RT: 10.20 min Scan# 1380  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 188481 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 45.0  | 37.6  | 56.4   |
| 130       | 2.4   | 1.8   | 2.8    |
| 166       | 29.0  | 24.6  | 37.0   |

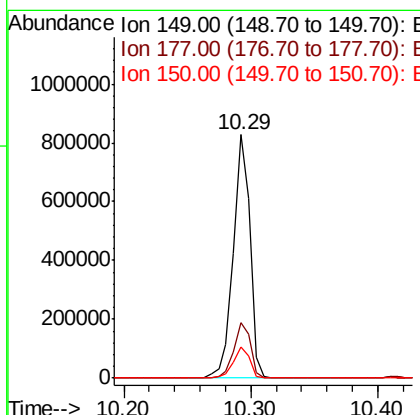
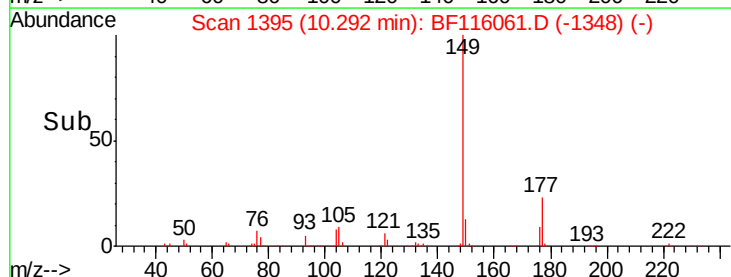
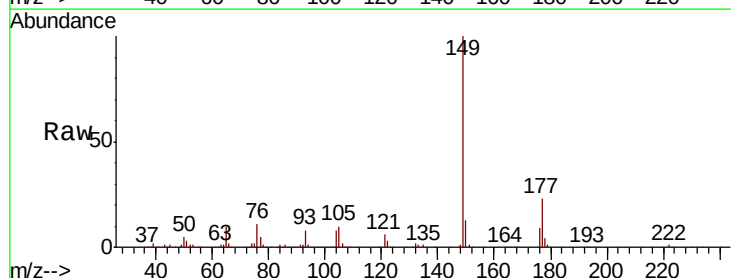
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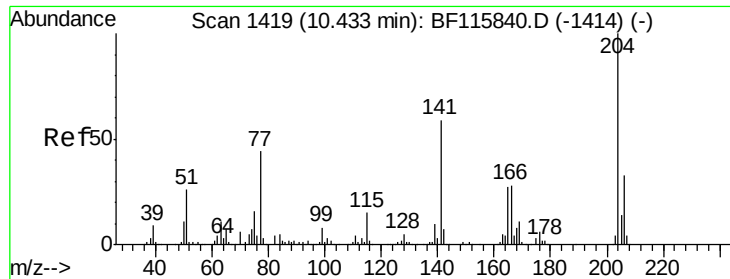
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#60  
 Diethylphthalate  
 Concen: 39.433 ng  
 RT: 10.29 min Scan# 1395  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 742148 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 22.5  | 18.4  | 27.6   |
| 150       | 12.7  | 10.1  | 15.1   |





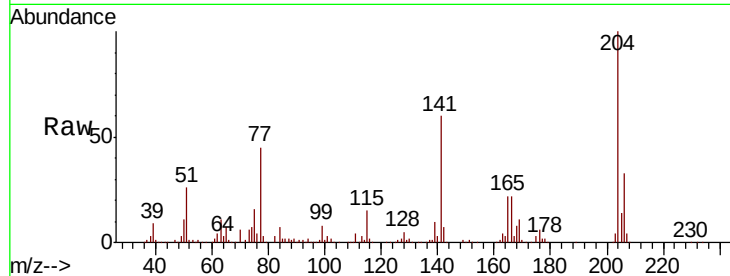
#61  
4-Chlorophenyl-phenylether  
Concen: 39.108 ng  
RT: 10.41 min Scan# 1415  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.4  | 39.6  |
| 141     | 60.1  | 47.0  | 70.4  |

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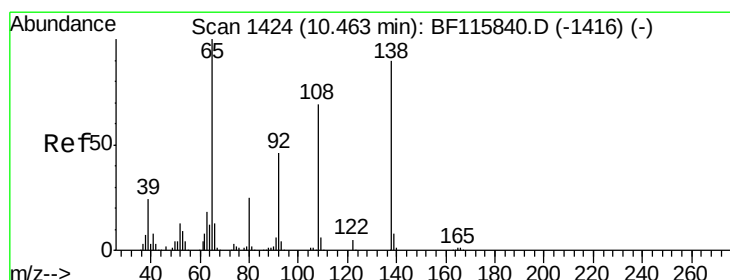
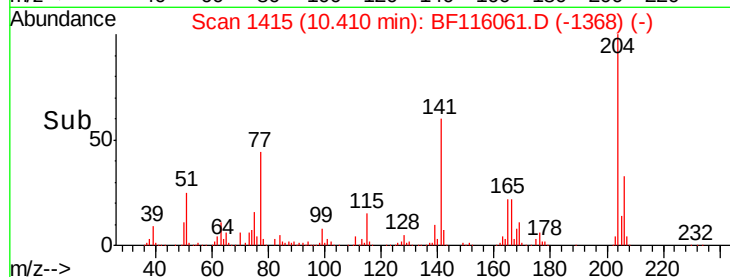
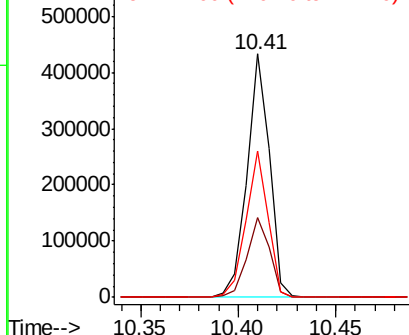


Abundance

Ion 204.00 (203.70 to 204.70): E

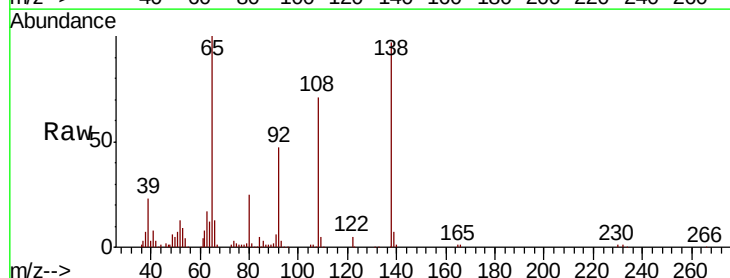
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 33.481 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.0  | 31.0  | 71.0  |
| 108     | 73.8  | 56.7  | 96.7  |

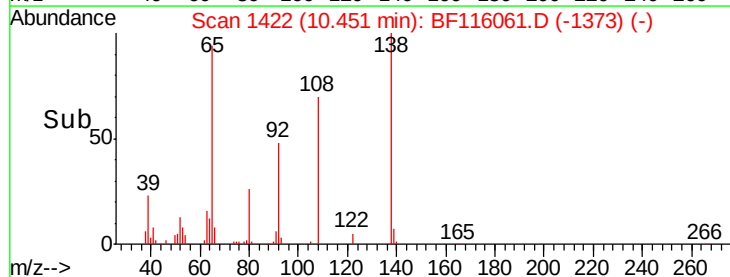
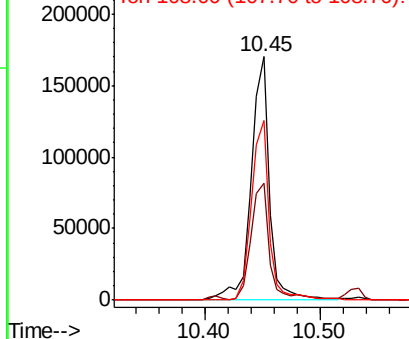


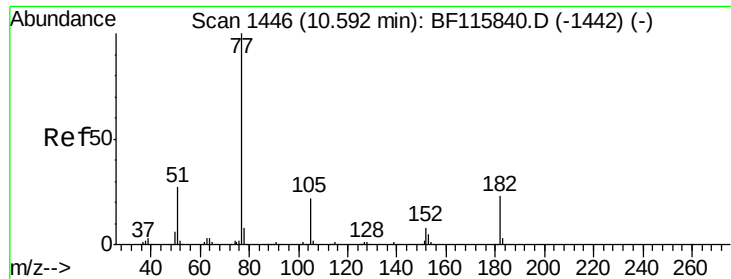
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





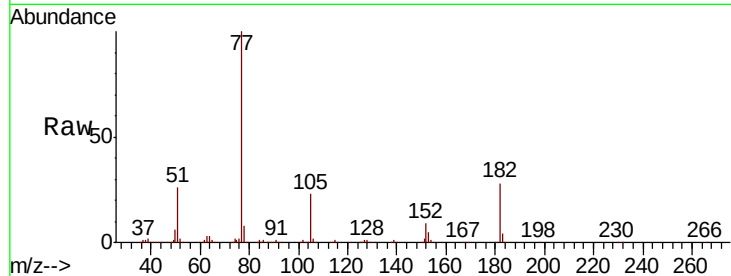
#63  
Azobenzene  
Concen: 39.154 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

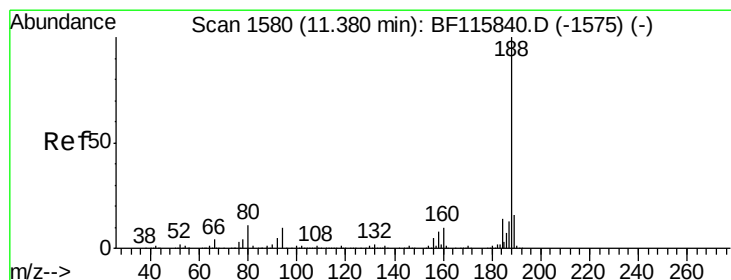
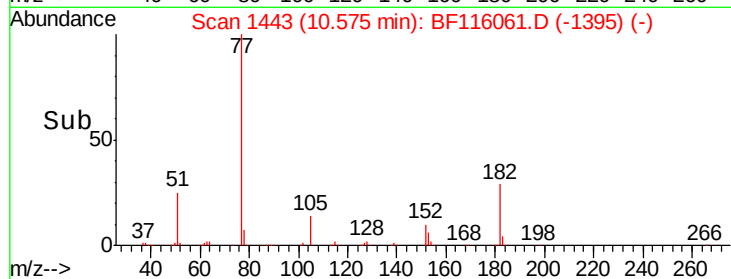
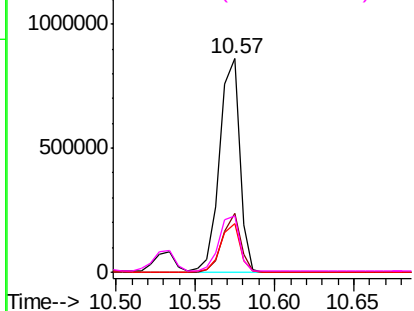
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.6  | 2.6   | 42.6  |
| 105     | 22.7  | 1.6   | 41.6  |
| 51      | 26.3  | 7.4   | 47.4  |

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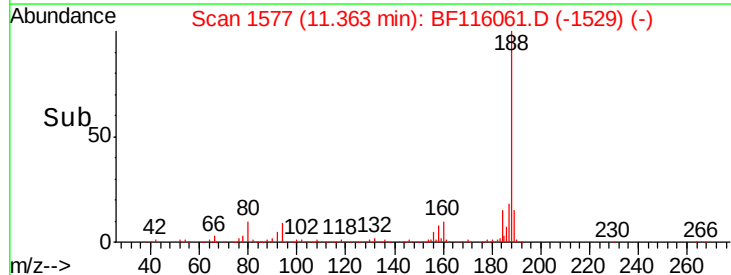
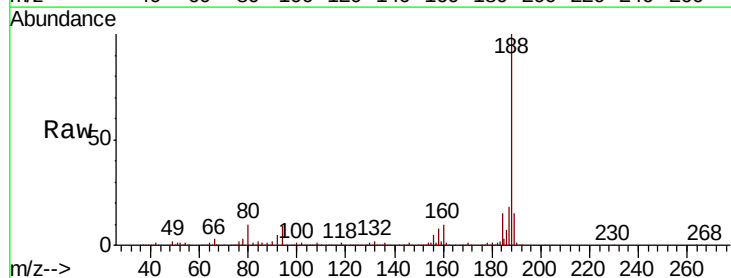
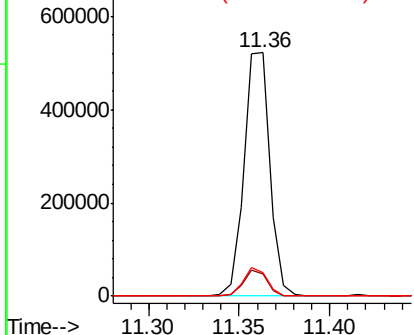
Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

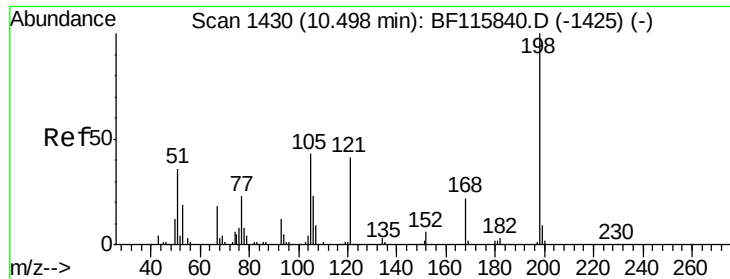


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 8.0   | 12.0  |
| 80      | 9.7   | 8.6   | 12.8  |

Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





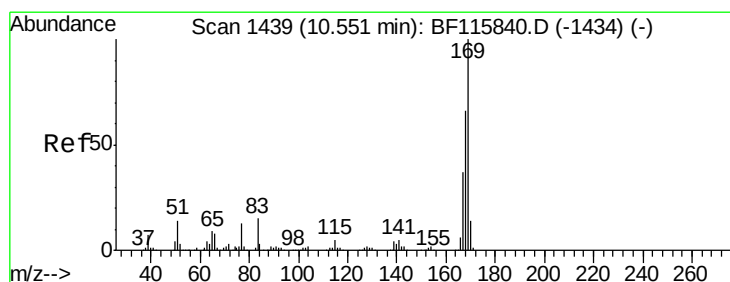
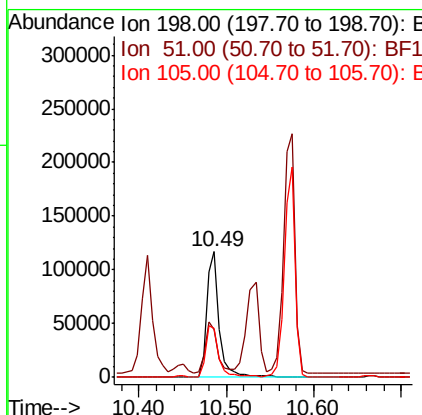
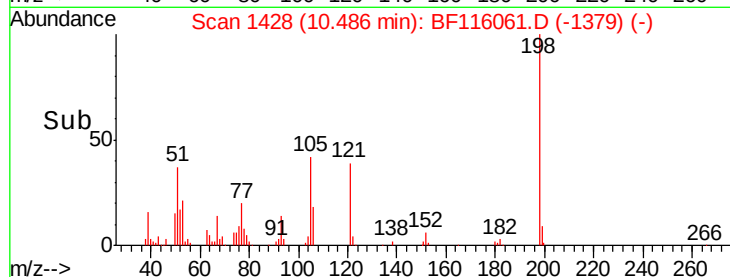
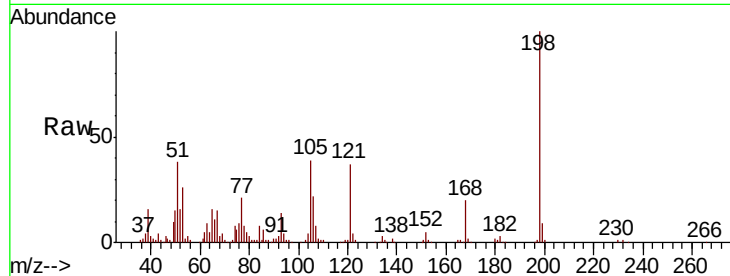
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.570 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. -0.01 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 116102 |       |       |
| 51      | 37.8  | 21.1   | 61.1  |       |
| 105     | 39.4  | 24.5   | 64.5  |       |

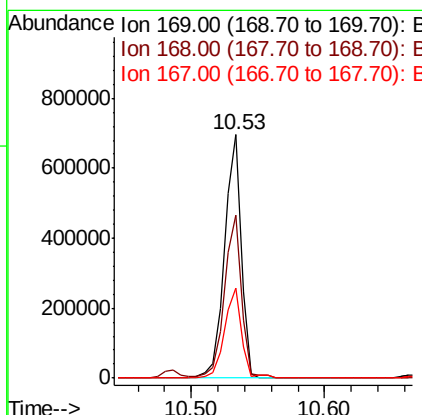
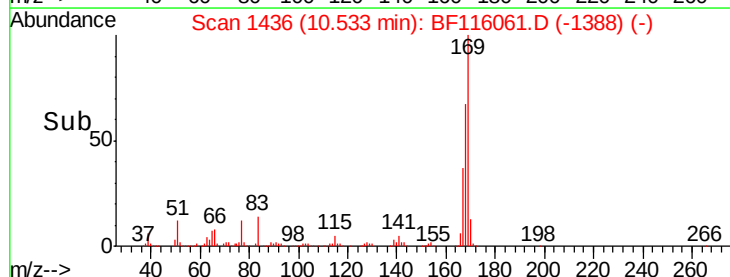
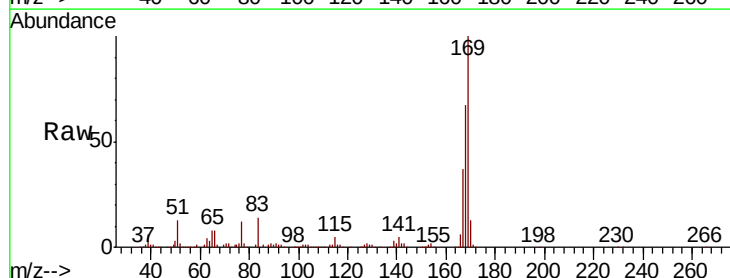
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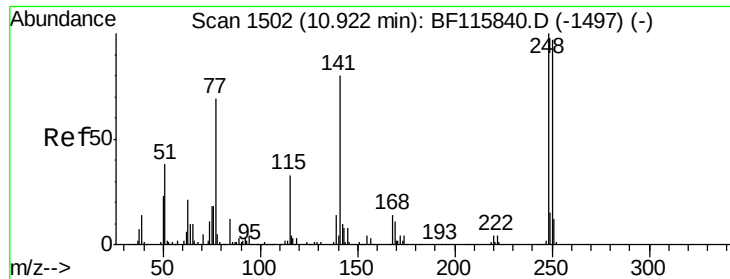
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#66  
n-Nitrosodiphenylamine  
Concen: 39.916 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 618331 |       |       |
| 168     | 66.8  | 53.0   | 79.6  |       |
| 167     | 36.8  | 29.9   | 44.9  |       |





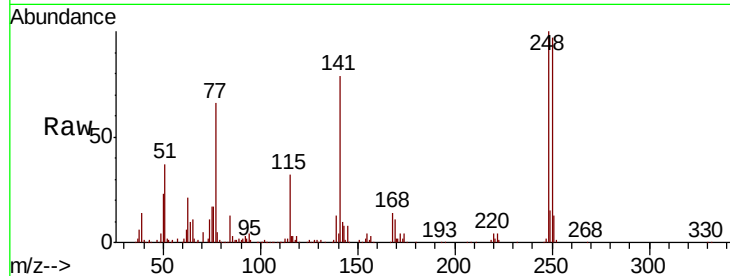
#67  
 4-Bromophenyl-phenylether  
 Concen: 38.700 ng  
 RT: 10.90 min Scan# 1498  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

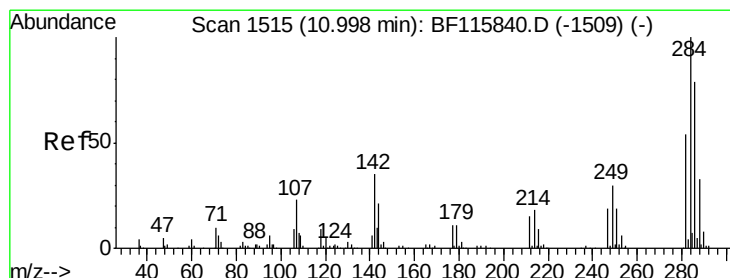
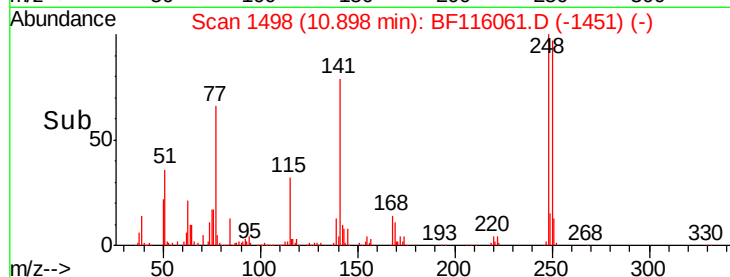
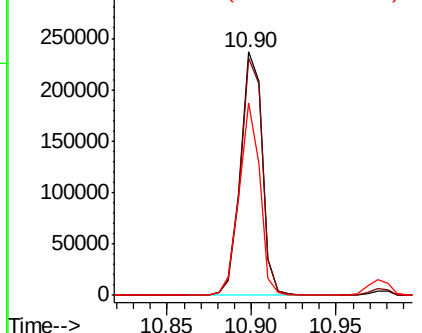
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 213217 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.2  | 77.8  | 116.6  |
| 141       | 79.1  | 64.3  | 96.5   |

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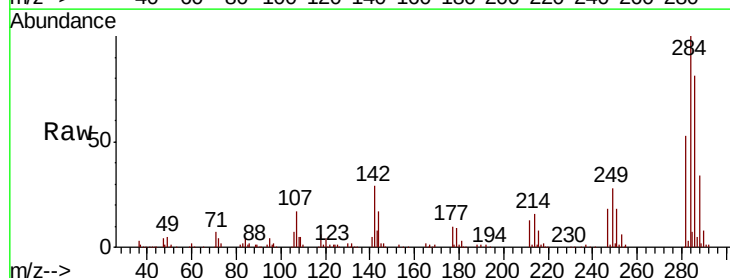


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

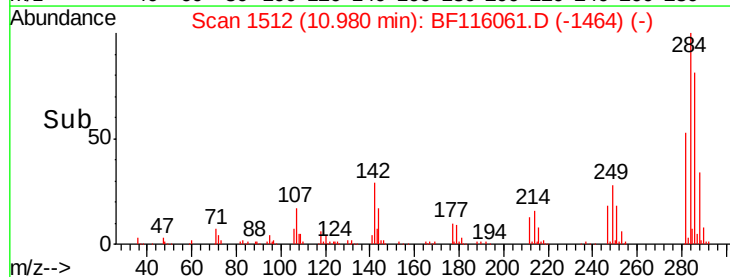
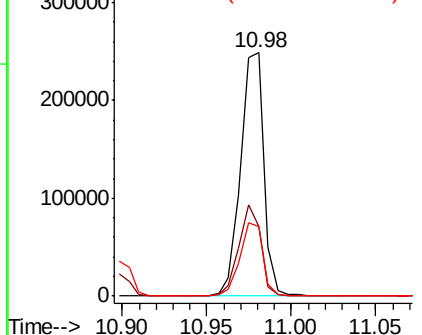


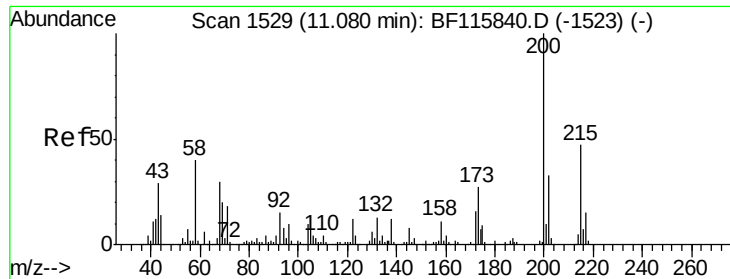
#68  
 Hexachlorobenzene  
 Concen: 37.587 ng  
 RT: 10.98 min Scan# 1512  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 239458 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 28.7  | 28.2  | 42.2   |
| 249       | 28.4  | 24.0  | 36.0   |



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: 37.425 ng

RT: 11.06 min Scan# 1525

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

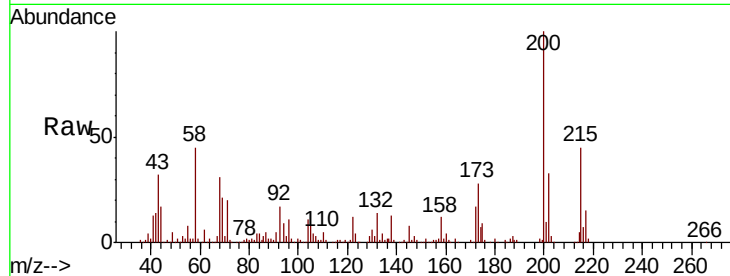
ClientSampleId :

PB122034BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 190721 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.8  | 7.3   | 47.3   |
| 215       | 45.3  | 26.9  | 66.9   |

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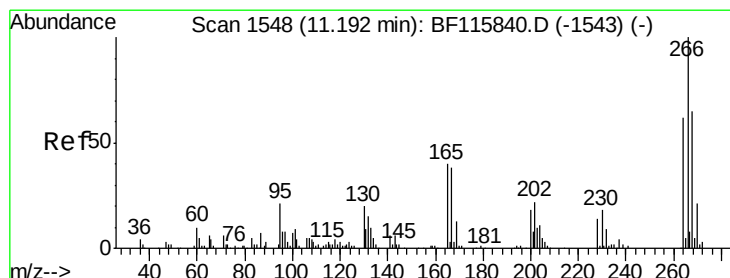
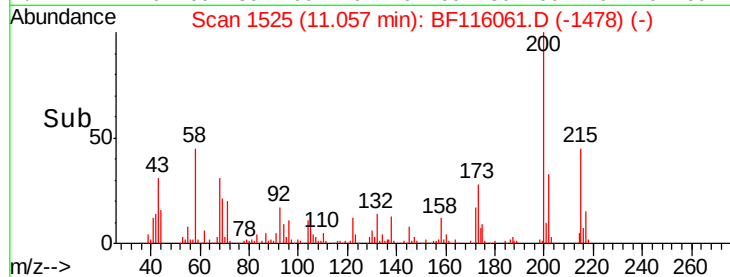
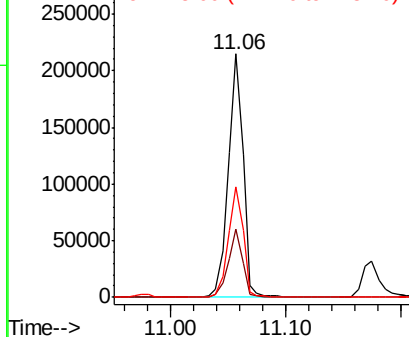


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 73.475 ng

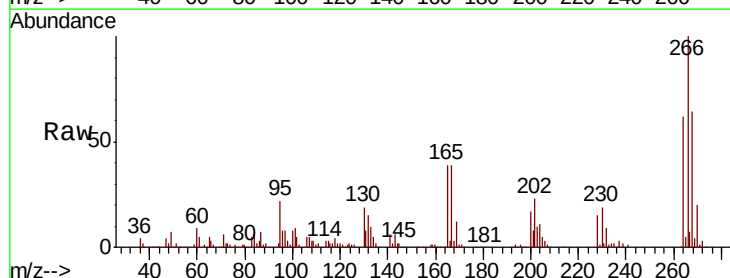
RT: 11.17 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 227258 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.7  | 51.6  | 77.4   |
| 264       | 62.2  | 49.4  | 74.0   |

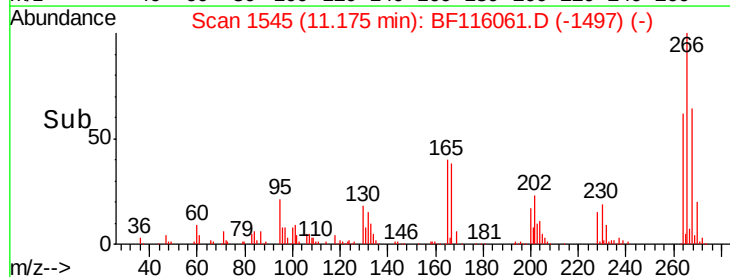
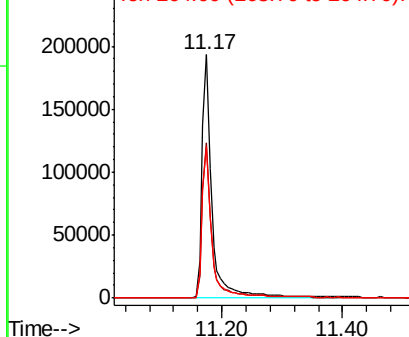


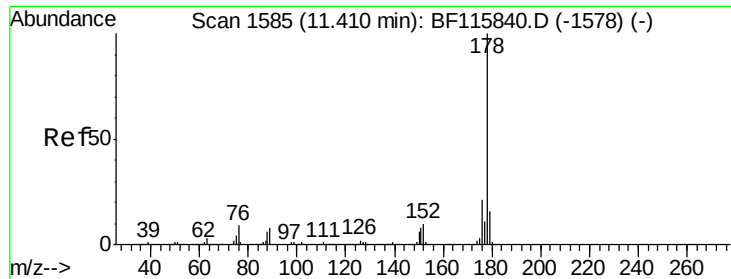
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





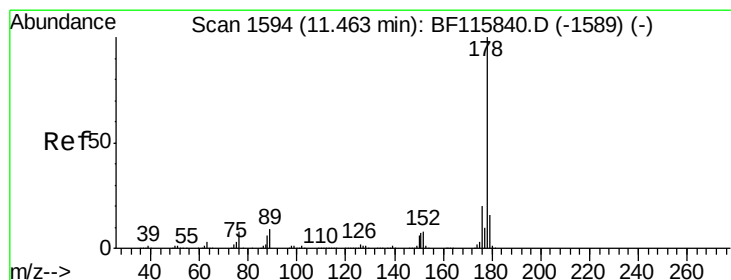
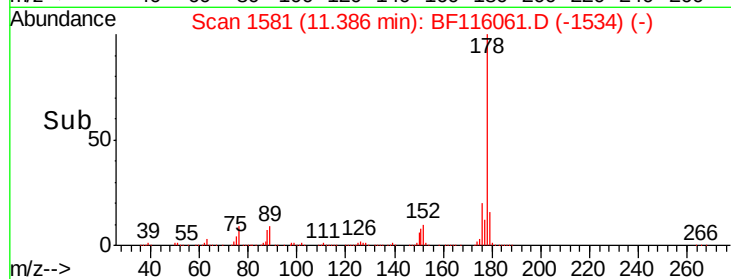
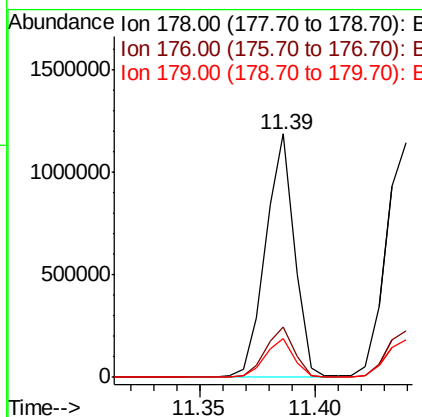
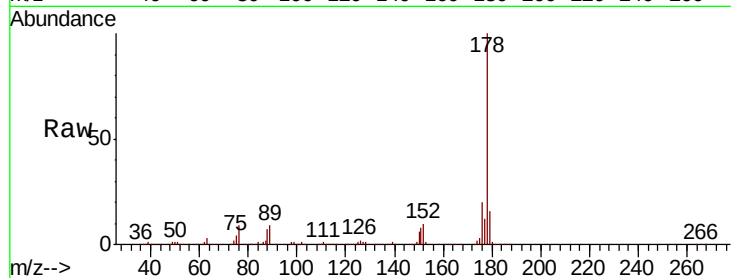
#71  
Phenanthrene  
Concen: 39.195 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

Tot Ion:178 Resp: 1031228  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.5 24.7  
179 15.8 12.6 18.8

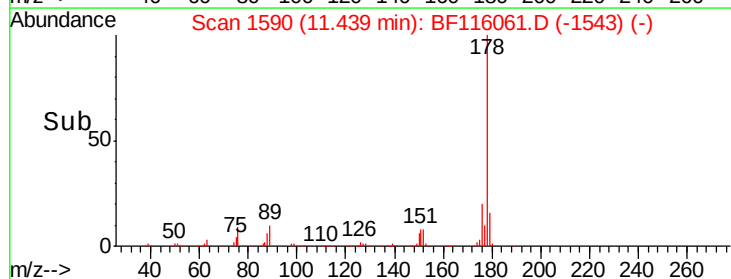
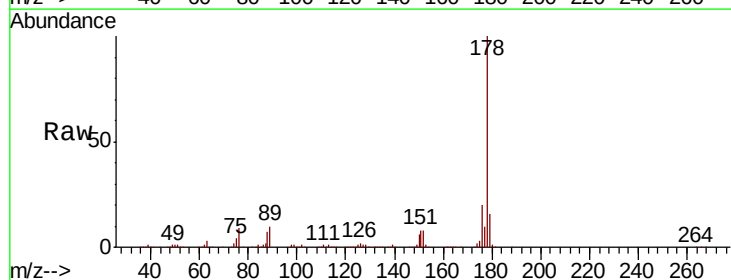
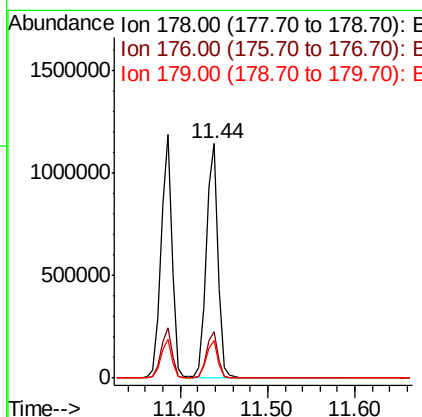
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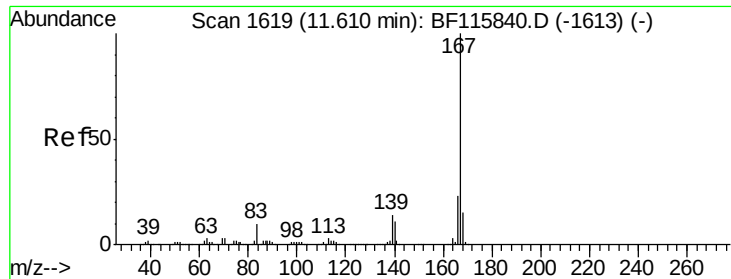


#72  
Anthracene  
Concen: 39.777 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Tgt Ion:178 Resp: 1059147  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.7 23.5  
179 15.9 12.4 18.6







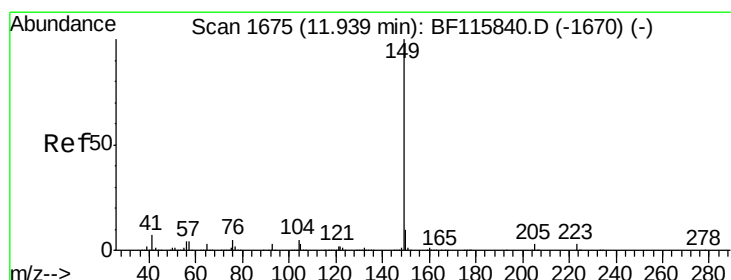
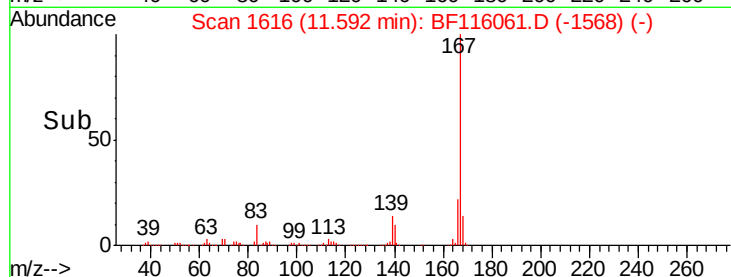
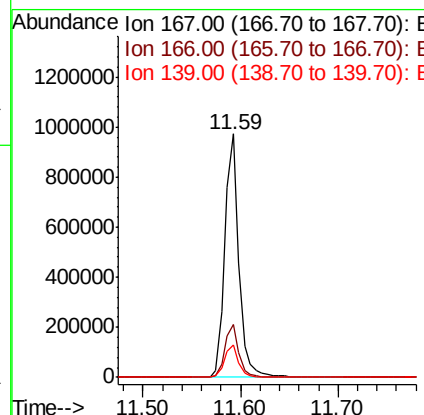
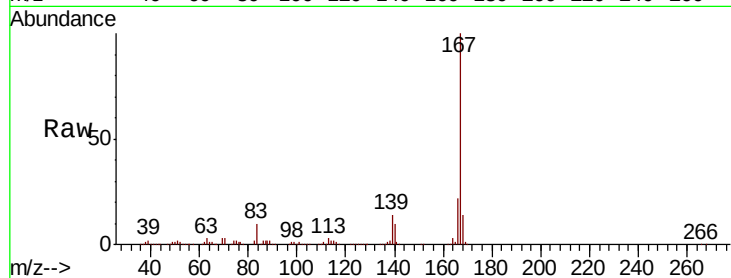
#73  
 Carbazole  
 Concen: 40.174 ng  
 RT: 11.59 min Scan# 1616  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 18.0  | 27.0  |
| 139     | 13.5  | 11.4  | 17.2  |

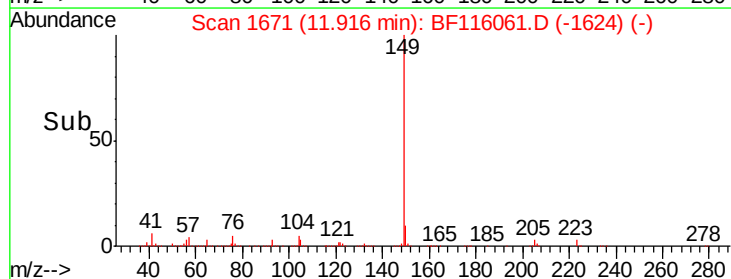
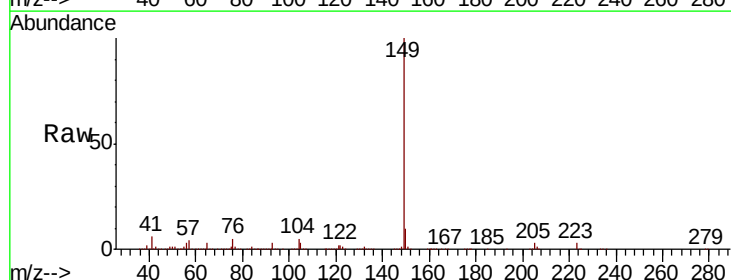
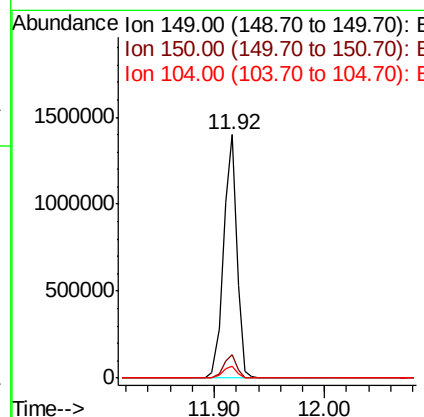
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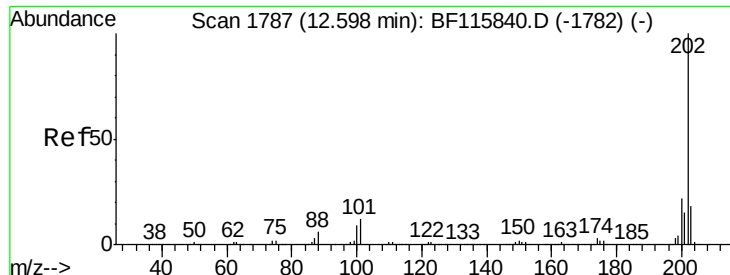
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#74  
 Di-n-butylphthalate  
 Concen: 41.640 ng  
 RT: 11.92 min Scan# 1671  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.7   | 7.7   | 11.5  |
| 104     | 5.1   | 4.3   | 6.5   |





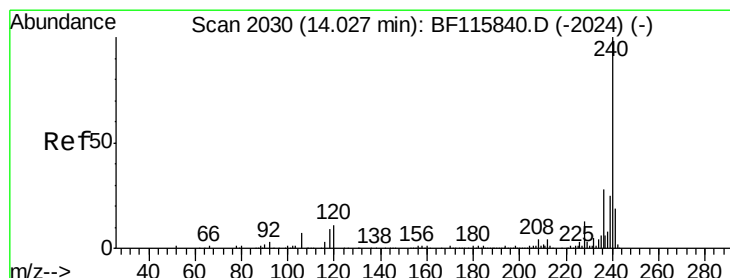
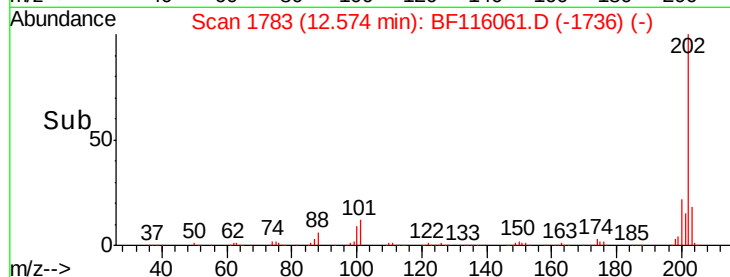
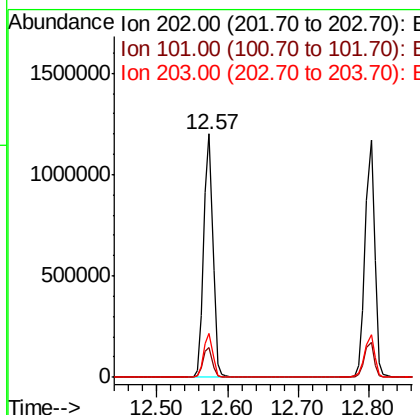
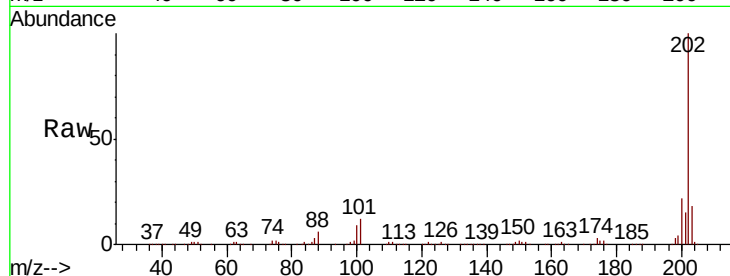
#75  
 Fluoranthene  
 Concen: 39.715 ng  
 RT: 12.57 min Scan# 1783  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1093928 |       |       |
| 101     | 12.1  |         | 0.0   | 31.5  |
| 203     | 18.1  |         | 0.0   | 37.9  |

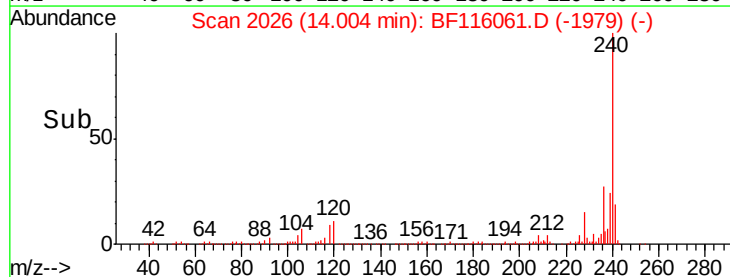
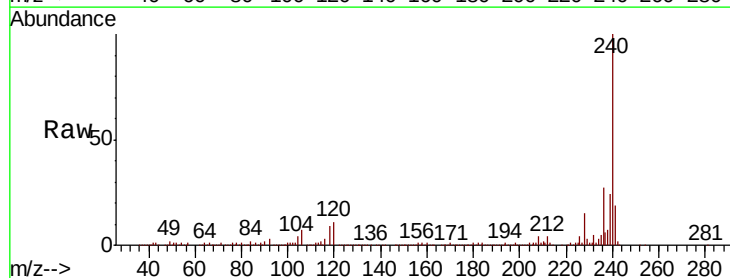
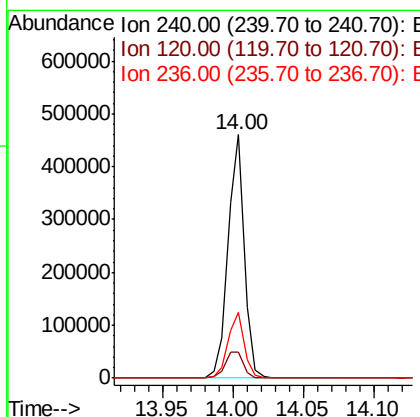
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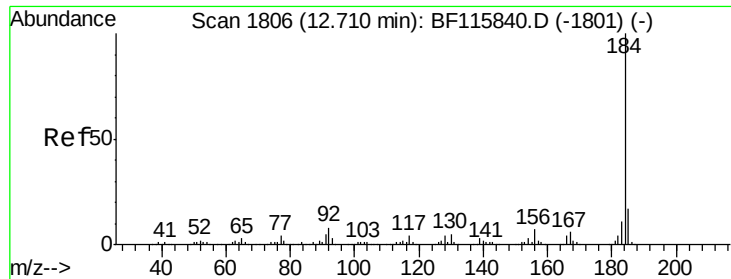
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#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 368507 |       |       |
| 120     | 10.7  |        | 8.5   | 12.7  |
| 236     | 27.1  |        | 22.2  | 33.2  |





#77

Benzidine

Concen: 25.290 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

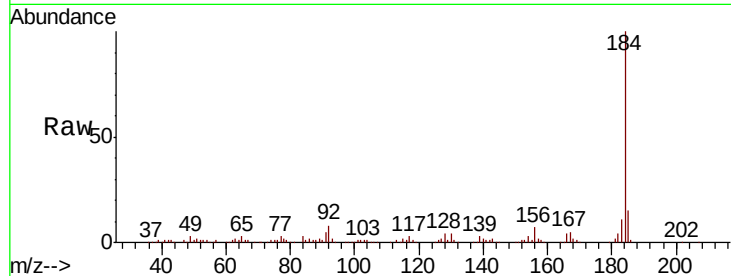
ClientSampleId :

PB122034BS

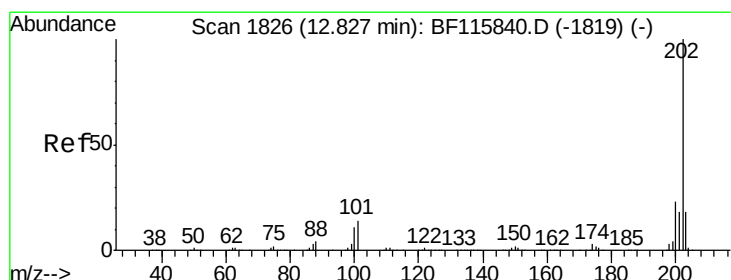
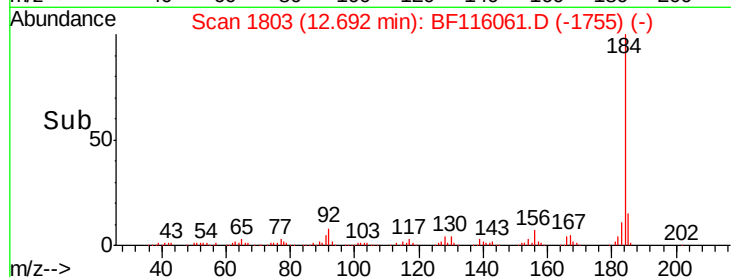
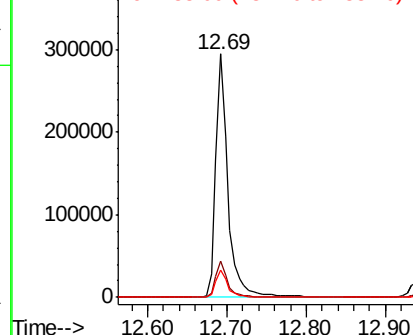
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 314854 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.7  | 13.4  | 20.2   |
| 183       | 11.3  | 9.1   | 13.7   |

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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: 39.787 ng

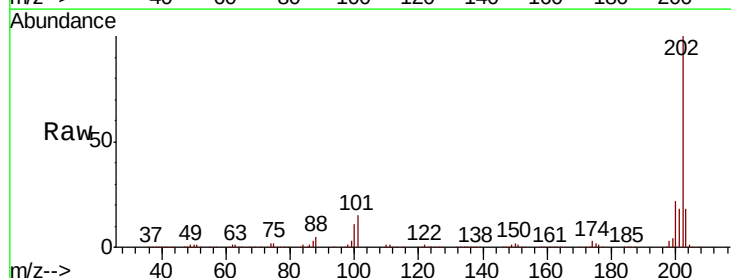
RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

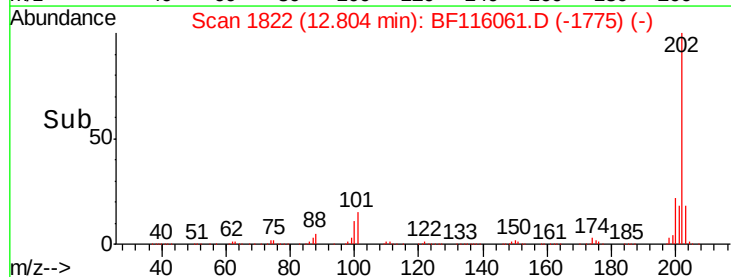
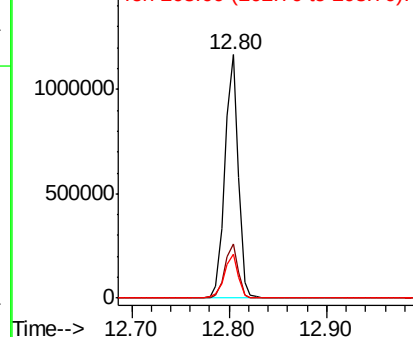
Lab File: BF116061.D

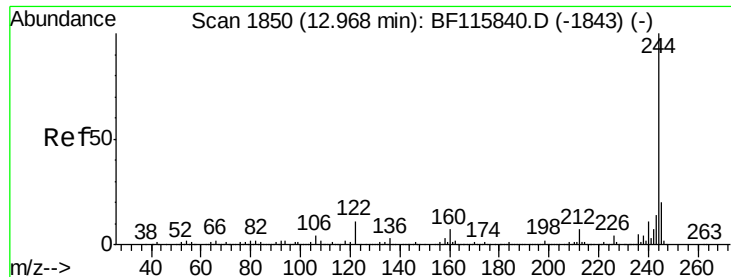
Acq: 8 Aug 2019 11:43

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1105221 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.5  | 18.2  | 27.2    |
| 203       | 18.1  | 14.3  | 21.5    |



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: 79.707 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.03 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

ClientSampleId :

PB122034BS

Tot Ion:244 Resp: 1393935

Ion Ratio Lower Upper

244 100

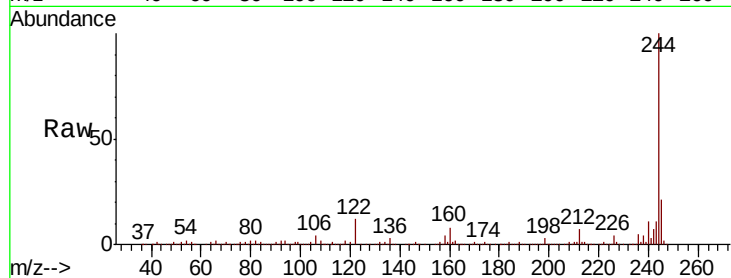
212 7.1 5.6 8.4

122 12.1 8.6 13.0

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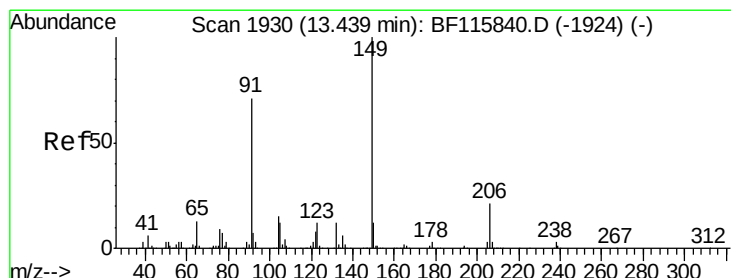
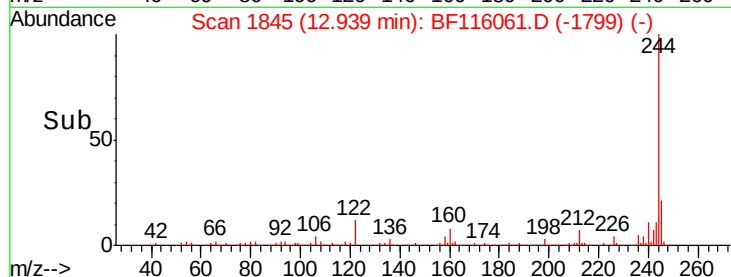
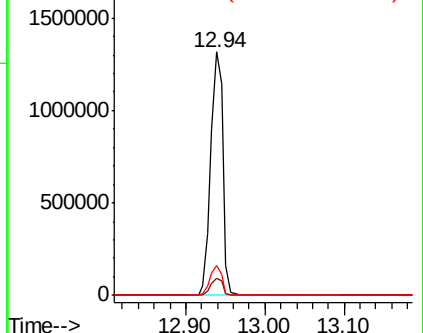
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 42.175 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.03 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

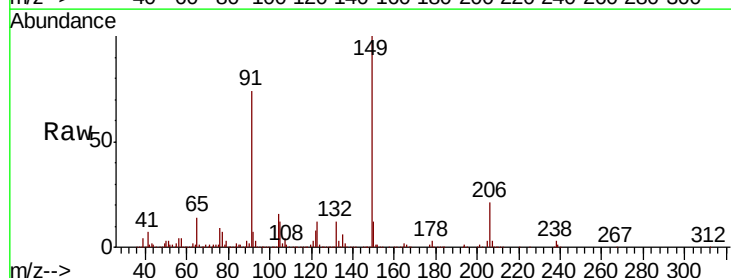
Tgt Ion:149 Resp: 495577

Ion Ratio Lower Upper

149 100

91 74.4 57.0 85.6

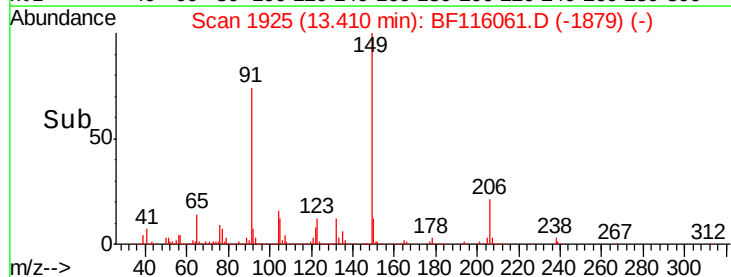
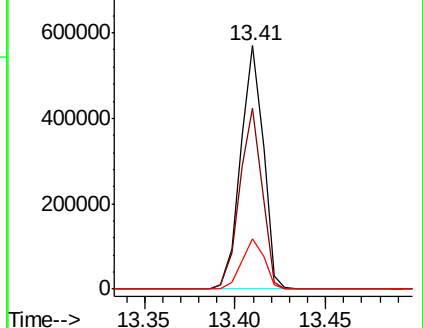
206 20.8 16.9 25.3

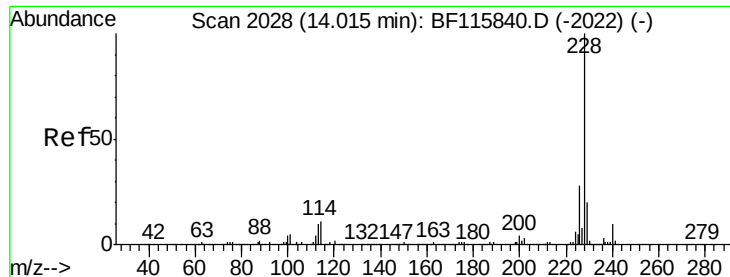


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 38.368 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

Instrument :

BNA\_F

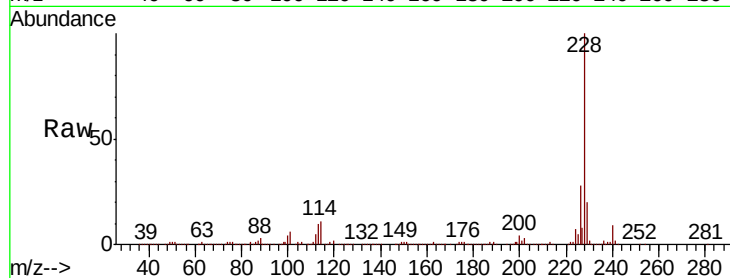
ClientSampleId :

PB122034BS

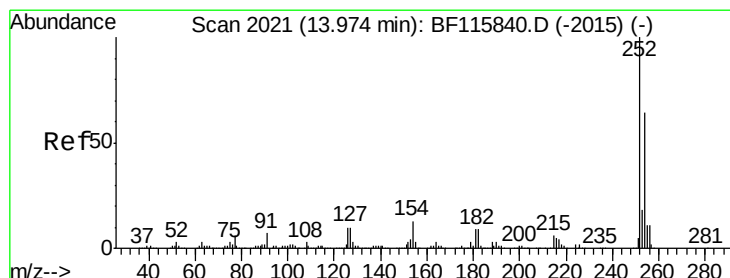
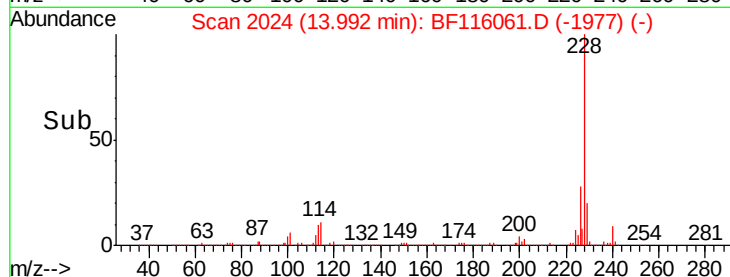
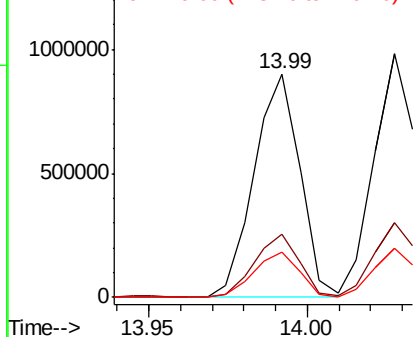
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 228     | 100  |       |      |       |       |
| 226     | 28.4 | 22.5  | 33.7 |       |       |
| 229     | 20.2 | 16.1  | 24.1 |       |       |

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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: 35.104 ng

RT: 13.94 min Scan# 2016

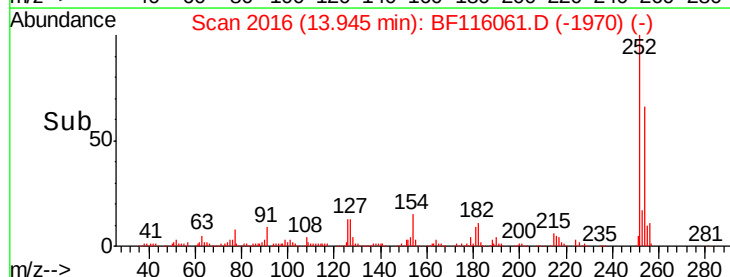
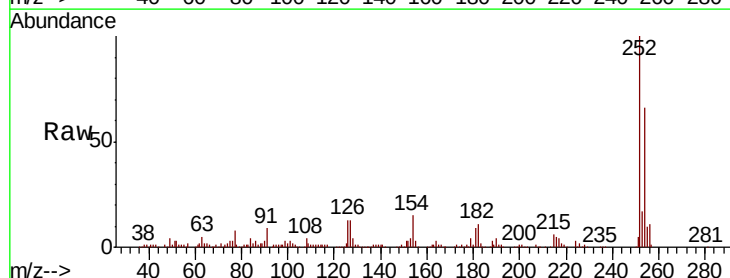
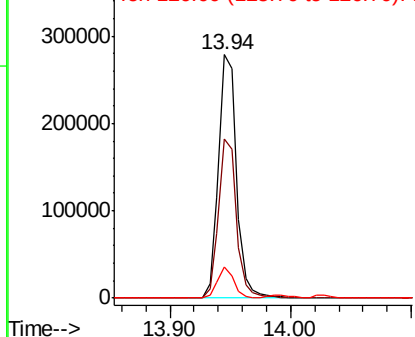
Delta R.T. -0.03 min

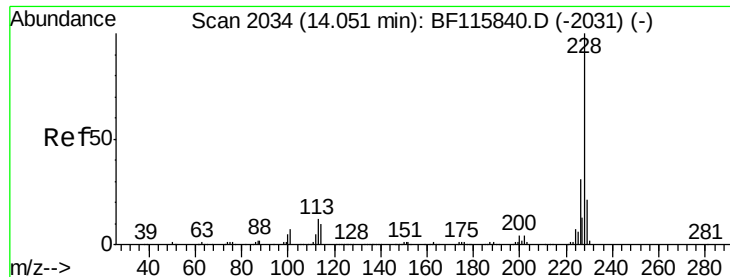
Lab File: BF116061.D

Acq: 8 Aug 2019 11:43

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 252     | 100  |       |      |       |       |
| 254     | 65.5 | 51.2  | 76.8 |       |       |
| 126     | 12.8 | 8.1   | 12.1 |       |       |

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





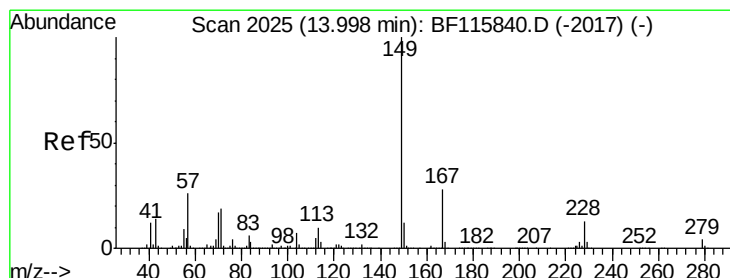
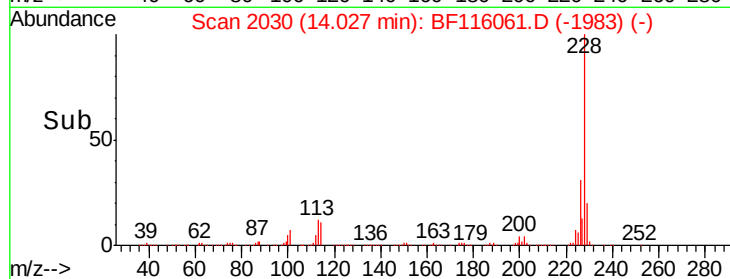
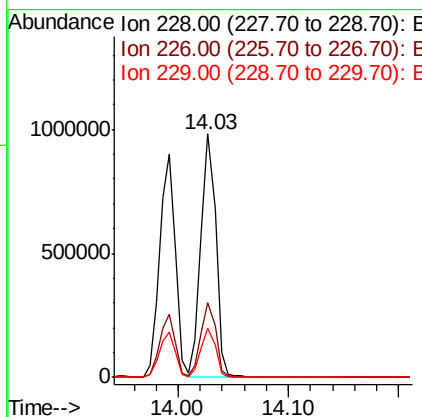
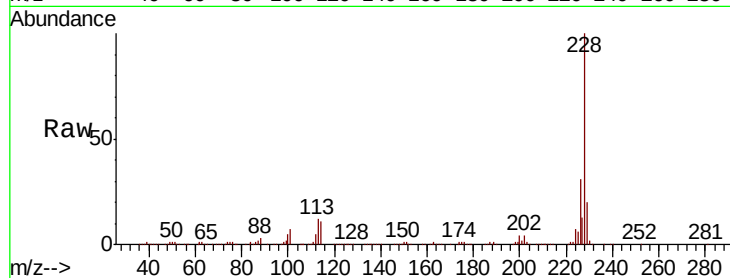
#83  
 Chrysene  
 Concen: 39.098 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.02 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.8  | 37.2  |
| 229     | 20.3  | 16.4  | 24.6  |

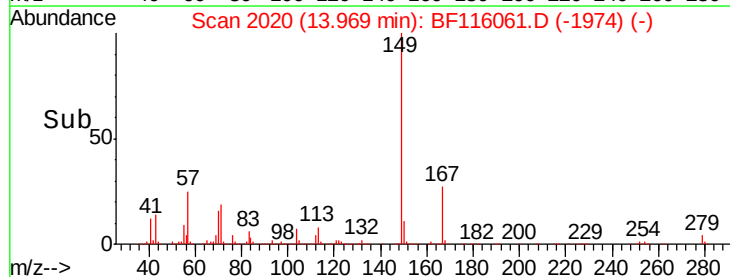
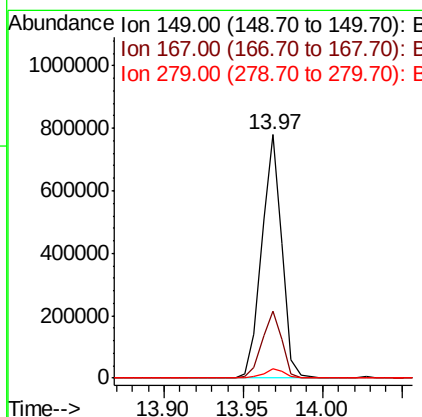
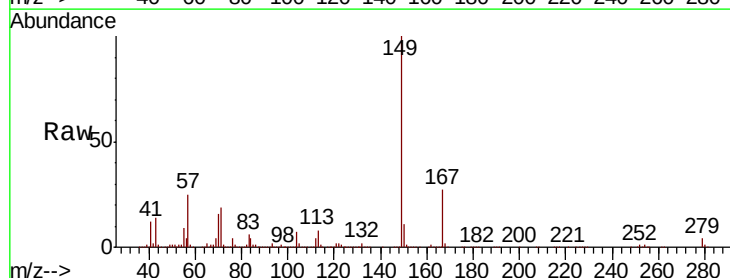
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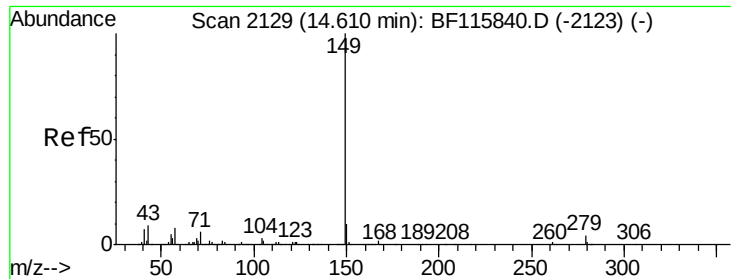
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 45.276 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.03 min  
 Lab File: BF116061.D  
 Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.3  | 22.4  | 33.6  |
| 279     | 3.9   | 3.3   | 4.9   |





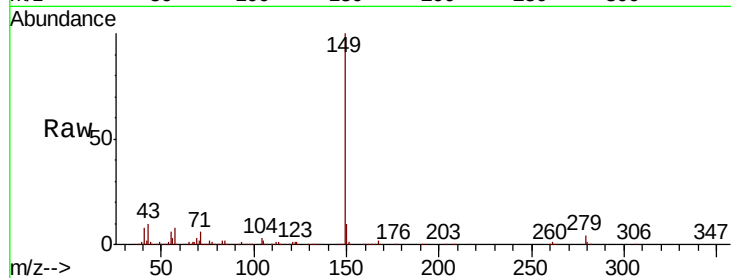
#85  
Di-n-octyl phthalate  
Concen: 43.931 ng  
RT: 14.57 min Scan# 2123  
Delta R.T. -0.04 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

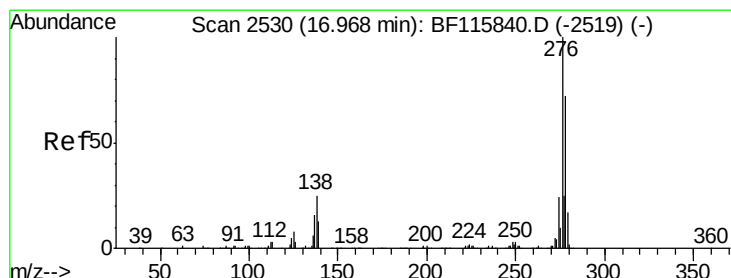
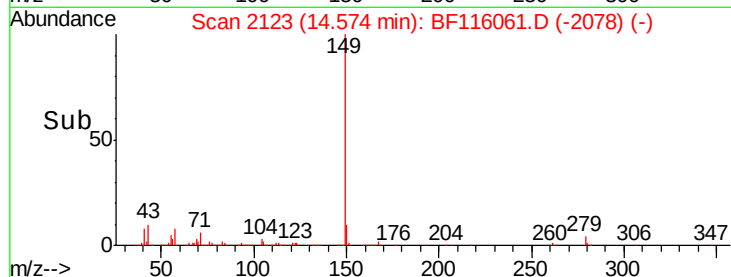
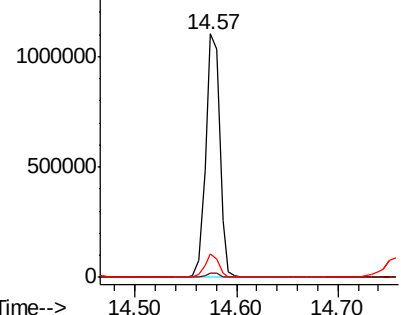
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 8.9   | 7.4   | 11.0  |

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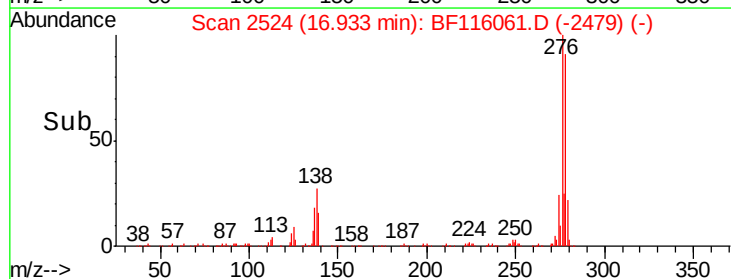
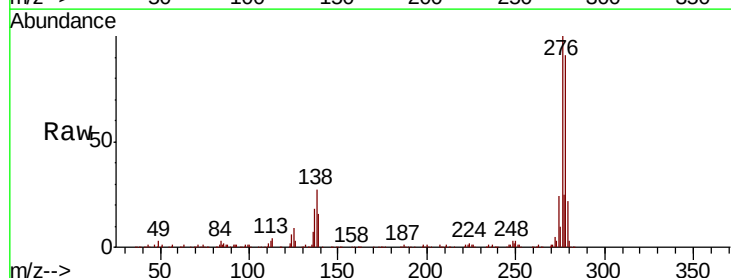
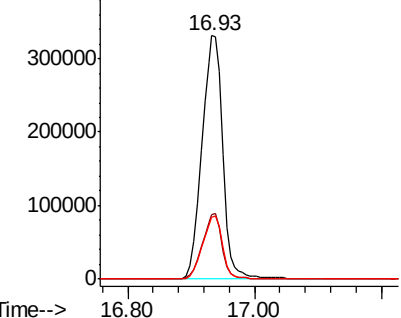
Abundance Ion 149.00 (148.70 to 149.70): E  
1500000  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

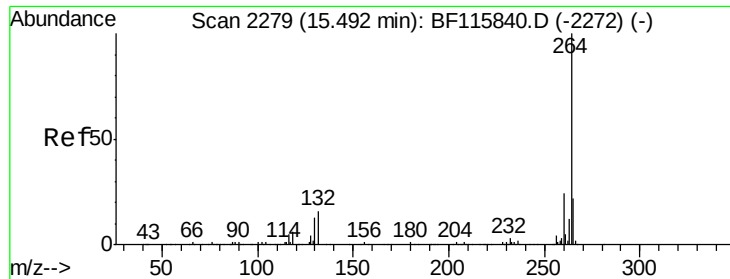


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 40.104 ng  
RT: 16.93 min Scan# 2524  
Delta R.T. -0.04 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.6  | 19.6  | 29.4  |
| 277     | 25.1  | 20.1  | 30.1  |

Abundance Ion 276.00 (275.70 to 276.70): E  
400000  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





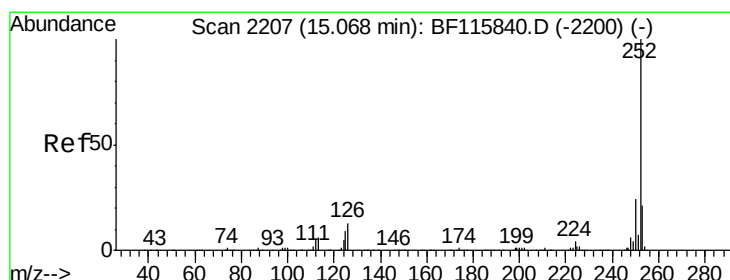
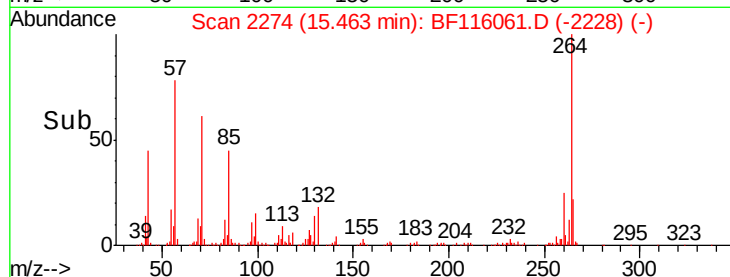
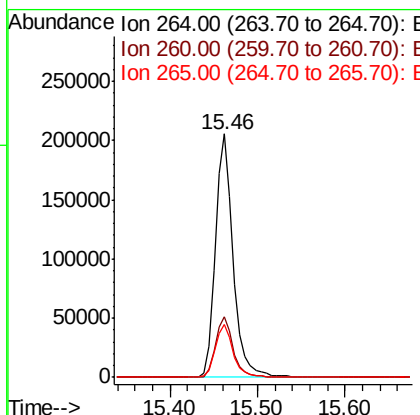
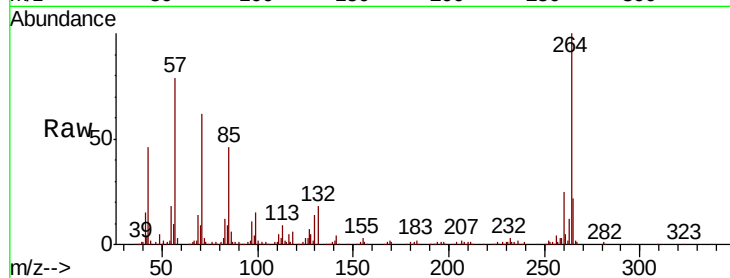
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.03 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampled :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.4  | 29.2  |
| 265     | 21.8  | 17.5  | 26.3  |

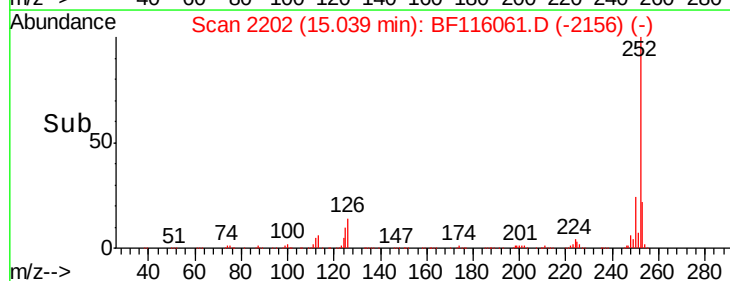
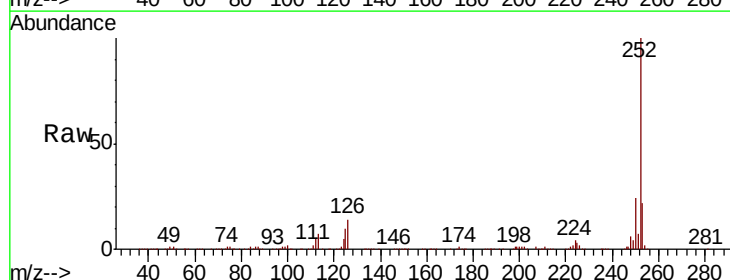
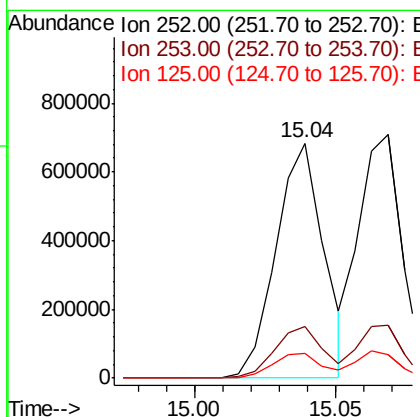
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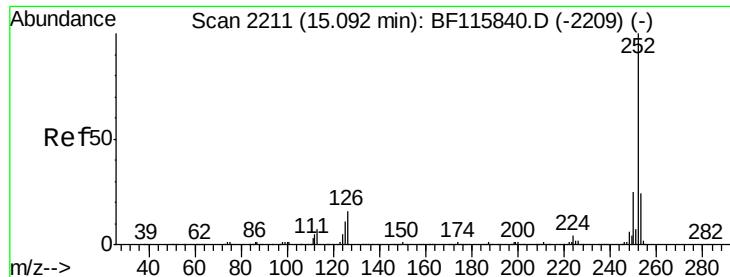


#88  
Benzo(b)fluoranthene  
Concen: 48.185 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.03 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.2  | 25.8  |
| 125     | 10.3  | 7.4   | 11.0  |







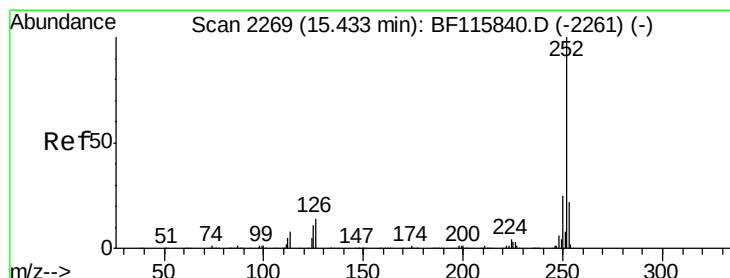
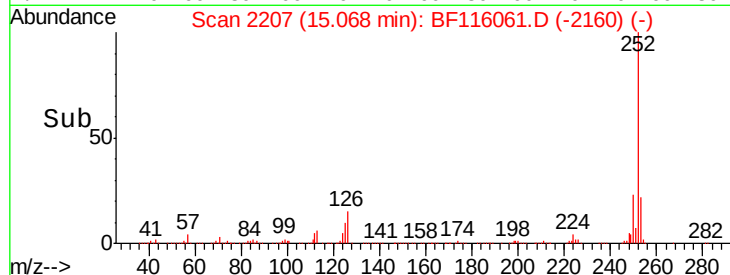
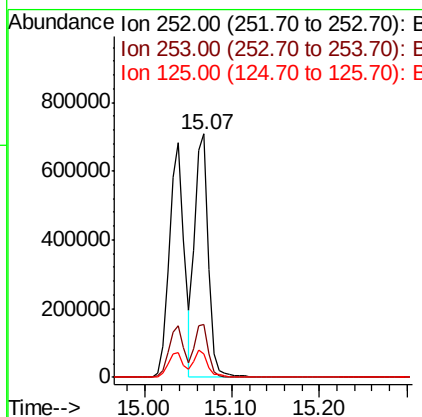
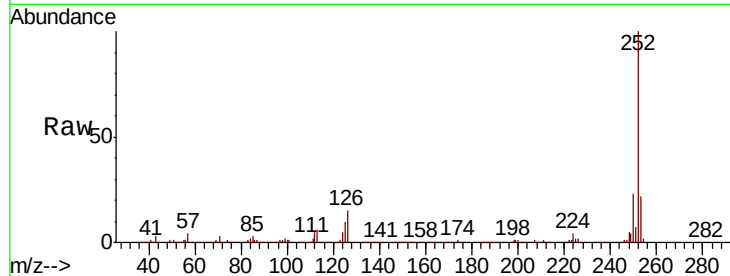
#89  
Benzo(k)fluoranthene  
Concen: 47.454 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. -0.02 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 18.2  | 27.4  |
| 125     | 9.8   | 8.9   | 13.3  |

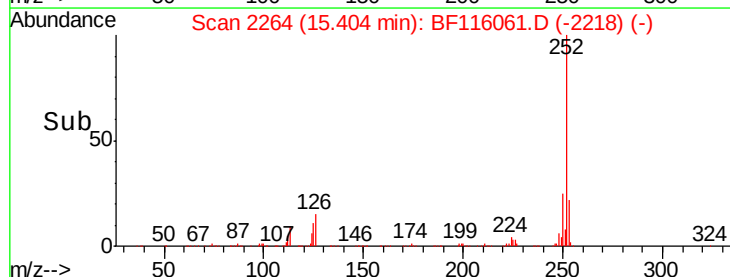
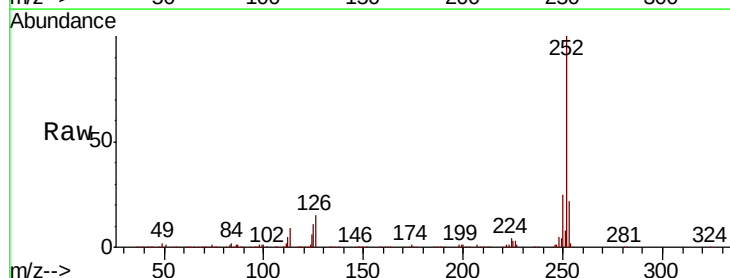
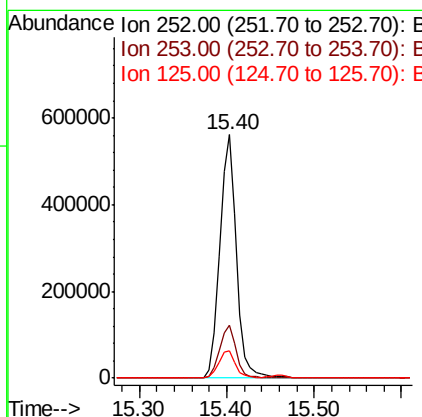
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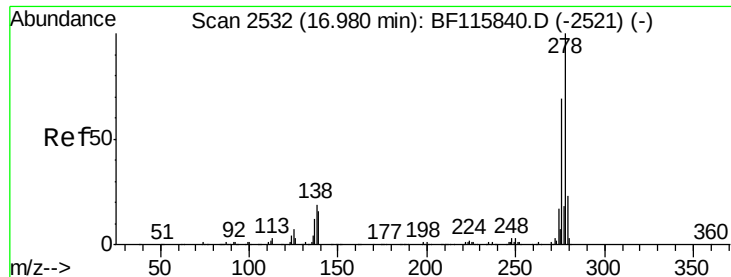
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#90  
Benzo(a)pyrene  
Concen: 49.540 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.03 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.8  | 26.6  |
| 125     | 11.4  | 8.8   | 13.2  |





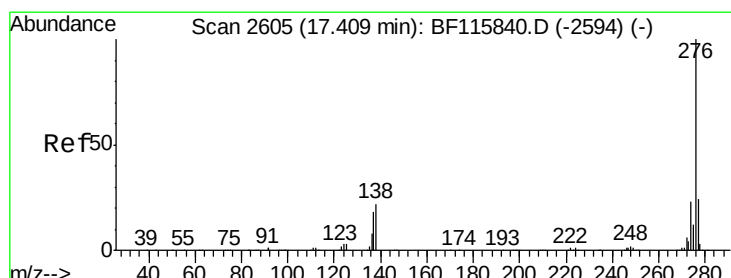
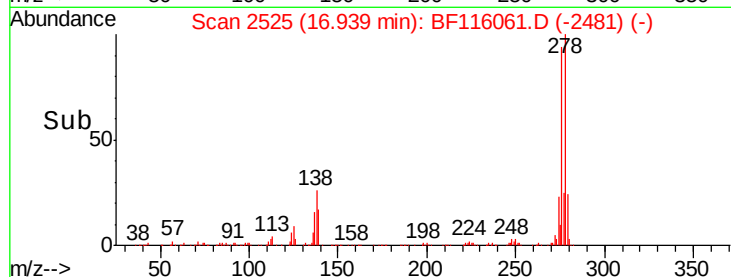
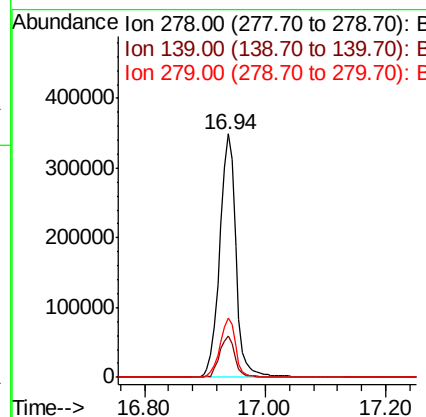
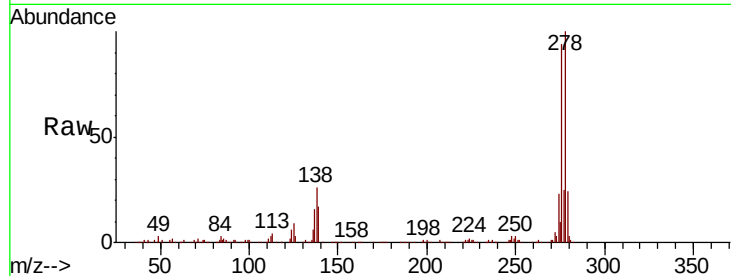
#91  
Dibenzo(a,h)anthracene  
Concen: 50.035 ng  
RT: 16.94 min Scan# 2525  
Delta R.T. -0.04 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB122034BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.8  | 12.6  | 19.0  |
| 279     | 24.4  | 18.8  | 28.2  |

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#92  
Benzo(g,h,i)perylene  
Concen: 50.615 ng  
RT: 17.37 min Scan# 2599  
Delta R.T. -0.04 min  
Lab File: BF116061.D  
Acq: 8 Aug 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 19.5  | 29.3  |
| 138     | 21.8  | 17.8  | 26.8  |

