

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\  
 Data File : BF118202.D  
 Acq On : 16 Dec 2019 17:53  
 Operator : JU  
 Sample : K6110-04MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

Manual Integrations  
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mohammad  
 12/17/2019 3:19:23 PM

Quant Time: Dec 17 03:29:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 98839    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.15  | 136  | 377506   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.91  | 164  | 199735   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.40 | 188  | 375022   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 274064   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.55 | 264  | 255367   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 672132  | 119.10 | ng | 0.01  |
| 7) Phenol-d6             | 6.50  | 99  | 773730  | 113.36 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.43  | 82  | 552407  | 82.32  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 316032  | 130.25 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.23  | 172 | 1139395 | 86.80  | ng | -0.01 |
| 79) Terphenyl-d14        | 13.00 | 244 | 1409094 | 88.41  | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.72 | 88  | 81272  | 34.155 | ng | 98     |
| 3) Pyridine                    | 3.46 | 79  | 167714 | 27.319 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.38 | 42  | 103851 | 39.323 | ng | 94     |
| 6) Aniline                     | 6.53 | 93  | 85891  | 9.837  | ng | # 85   |
| 8) 2-Chlorophenol              | 6.65 | 128 | 270444 | 42.501 | ng | 97     |
| 9) Benzaldehyde                | 6.42 | 77  | 71036  | 15.463 | ng | 99     |
| 10) Phenol                     | 6.51 | 94  | 271892 | 34.929 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.60 | 93  | 231830 | 41.179 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 301271 | 40.530 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.88 | 146 | 302042 | 40.353 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.03 | 146 | 287101 | 40.844 | ng | 97     |
| 15) Benzyl Alcohol             | 7.01 | 79  | 229836 | 43.137 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45  | 275829 | 40.748 | ng | 95     |
| 17) 2-Methylphenol             | 7.12 | 107 | 209876 | 41.469 | ng | 99     |
| 18) Hexachloroethane           | 7.37 | 117 | 110489 | 40.060 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70  | 178660 | 43.075 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.27 | 107 | 266767 | 41.964 | ng | # 85   |
| 22) Acetophenone               | 7.27 | 105 | 380176 | 41.918 | ng | # 96   |
| 24) Nitrobenzene               | 7.45 | 77  | 268921 | 40.790 | ng | 98     |
| 25) Isophorone                 | 7.69 | 82  | 486992 | 42.811 | ng | 98     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 150695 | 42.765 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 237384 | 50.504 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 304623 | 40.982 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 233888 | 42.684 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 260289 | 40.647 | ng | 99     |
| 31) Naphthalene                | 8.17 | 128 | 811054 | 42.779 | ng | 100    |
| 32) Benzoic acid               | 7.92 | 122 | 146308 | 34.475 | ng | 95     |
| 33) 4-Chloroaniline            | 8.22 | 127 | 40090  | 4.897  | ng | 99     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 150832 | 39.280 | ng | 98     |
| 35) Caprolactam                | 8.59 | 113 | 54878m | 32.476 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 243323 | 42.197 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 557240 | 43.414 | ng | 100    |
| 38) 1-Methylnaphthalene        | 8.97 | 142 | 515053 | 42.737 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 248476 | 41.066 | ng | 99     |

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Manual Integrations  
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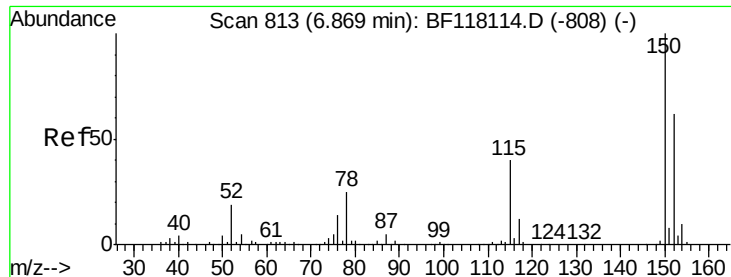
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Quant Time: Dec 17 03:29:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.02  | 237  | 253709   | 93.585 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.15  | 196  | 171363   | 42.417 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.19  | 196  | 181211   | 43.295 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 9.33  | 154  | 674553   | 42.821 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.36  | 162  | 522518   | 41.235 | nq    | 97       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 143356   | 39.671 | nq    | 96       |
| 49) Acenaphthylene             | 9.77  | 152  | 835850   | 44.722 | nq    | 99       |
| 50) Dimethylphthalate          | 9.63  | 163  | 666597   | 45.183 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 137676   | 42.916 | nq    | 94       |
| 52) Acenaphthene               | 9.95  | 154  | 481384   | 42.198 | nq    | 98       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 32266    | 8.547  | nq    | 95       |
| 54) 2,4-Dinitrophenol          | 9.98  | 184  | 135102   | 84.649 | nq    | 94       |
| 55) Dibenzofuran               | 10.12 | 168  | 732207   | 43.804 | nq    | 99       |
| 56) 4-Nitrophenol              | 10.04 | 139  | 196062   | 74.832 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.10 | 165  | 183504   | 42.856 | nq    | 98       |
| 58) Fluorene                   | 10.46 | 166  | 576554   | 43.403 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 150054   | 43.455 | nq    | 99       |
| 60) Diethylphthalate           | 10.33 | 149  | 607883   | 41.820 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 284711   | 42.597 | nq    | 98       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 145259   | 36.891 | nq    | 99       |
| 63) Azobenzene                 | 10.62 | 77   | 534505   | 43.075 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 91005    | 43.941 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.57 | 169  | 504294   | 43.061 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.95 | 248  | 176177   | 41.154 | nq    | # 89     |
| 68) Hexachlorobenzene          | 11.02 | 284  | 205263   | 40.737 | nq    | 97       |
| 69) Atrazine                   | 11.10 | 200  | 151587   | 50.851 | nq    | 99       |
| 70) Pentachlorophenol          | 11.22 | 266  | 215161   | 90.801 | nq    | 96       |
| 71) Phenanthrene               | 11.43 | 178  | 861730   | 43.225 | nq    | 100      |
| 72) Anthracene                 | 11.49 | 178  | 898242   | 45.166 | nq    | 99       |
| 73) Carbazole                  | 11.64 | 167  | 787614   | 44.140 | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 967893   | 43.343 | nq    | 98       |
| 75) Fluoranthene               | 12.63 | 202  | 901166   | 44.213 | nq    | 99       |
| 77) Benzidine                  | 12.74 | 184  | 280589   | 38.891 | nq    | 97       |
| 78) Pyrene                     | 12.86 | 202  | 908526   | 42.066 | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.47 | 149  | 408535   | 41.768 | nq    | 99       |
| 81) Benzo(a)anthracene         | 14.05 | 228  | 791334   | 41.758 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 99081    | 15.920 | nq    | 95       |
| 83) Chrysene                   | 14.09 | 228  | 767729   | 42.411 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 570002   | 44.195 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 14.64 | 149  | 891980   | 45.655 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.06 | 276  | 719477   | 47.237 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 15.12 | 252  | 705504   | 41.773 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 15.14 | 252  | 675648   | 41.643 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.49 | 252  | 655639   | 43.954 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 17.07 | 278  | 603528   | 47.173 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.52 | 276  | 607918   | 49.448 | nq    | 100      |

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





#1

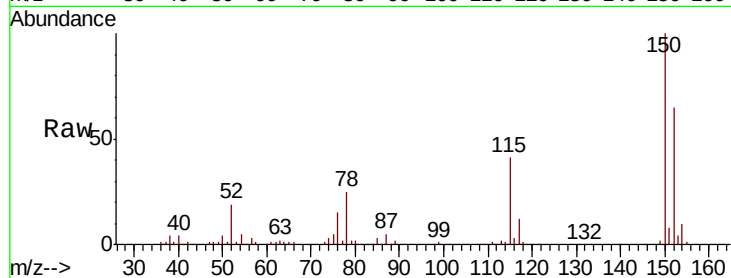
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 128.3 | 192.5 |
| 115     | 63.5  | 51.1  | 76.7  |

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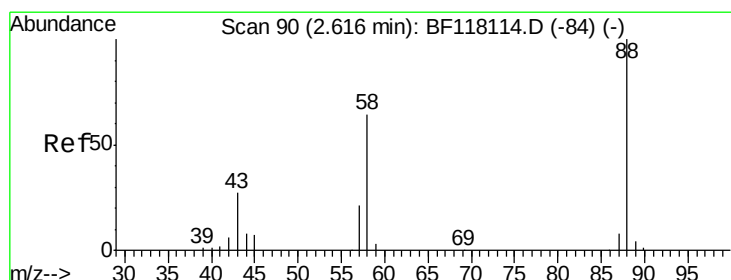
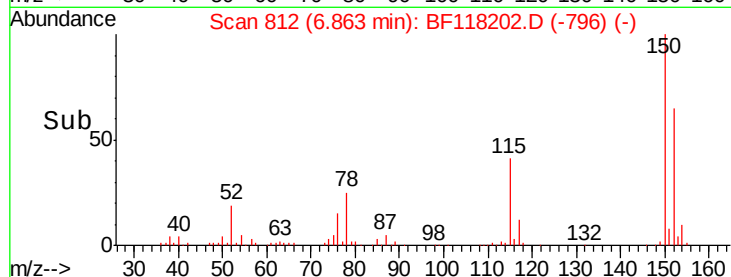
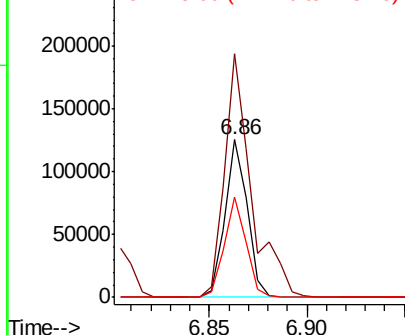


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

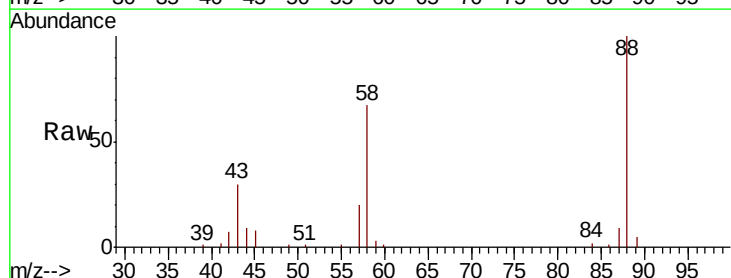
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 34.155 ng  
RT: 2.72 min Scan# 107  
Delta R.T. 0.10 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.5  | 52.2  | 78.4  |
| 43      | 27.9  | 21.4  | 32.2  |

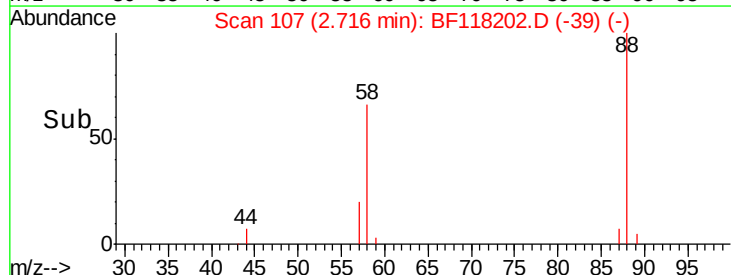
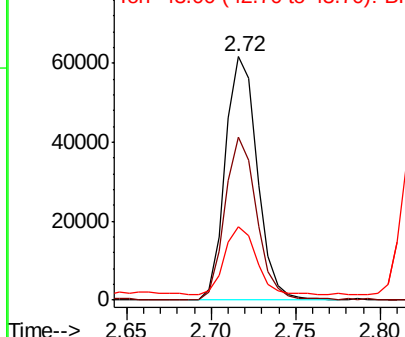


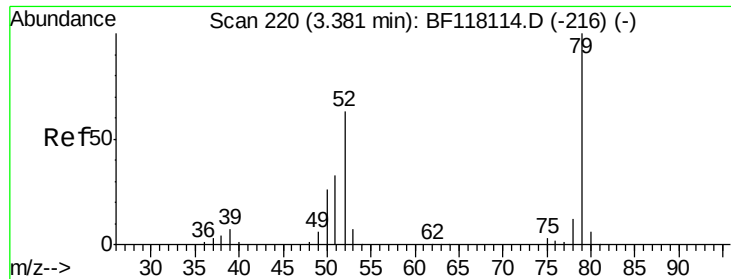
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 27.319 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.08 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

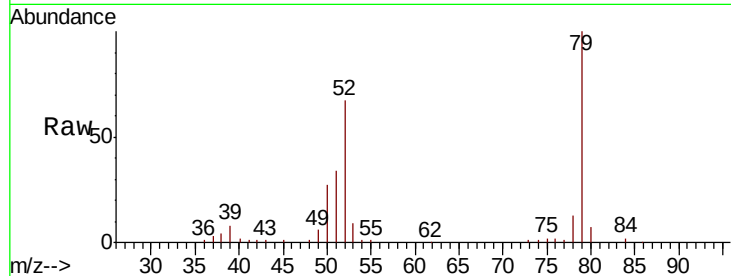
ClientSampleId :

HD-02-121219MS

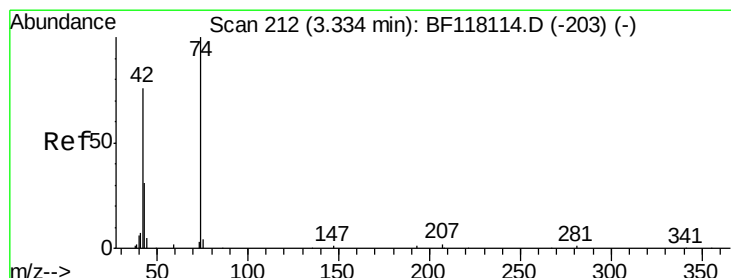
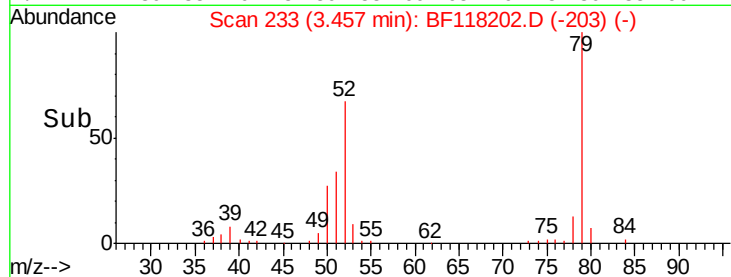
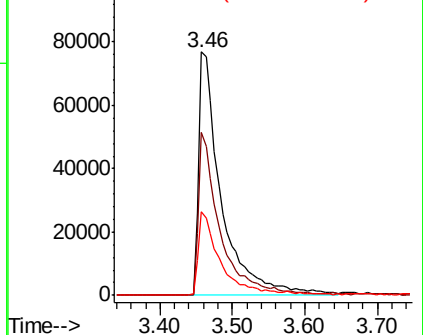
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 167714 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 66.8  | 50.7  | 76.1   |
| 51       | 34.4  | 26.4  | 39.6   |

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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: 39.323 ng

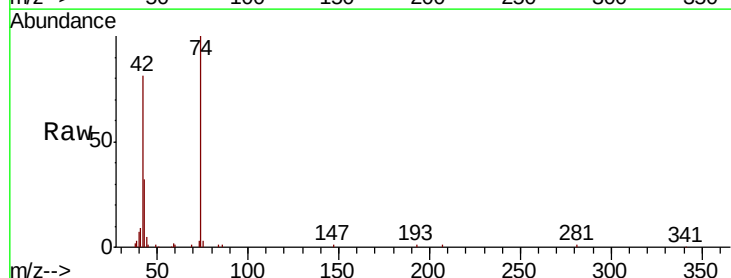
RT: 3.38 min Scan# 220

Delta R.T. 0.05 min

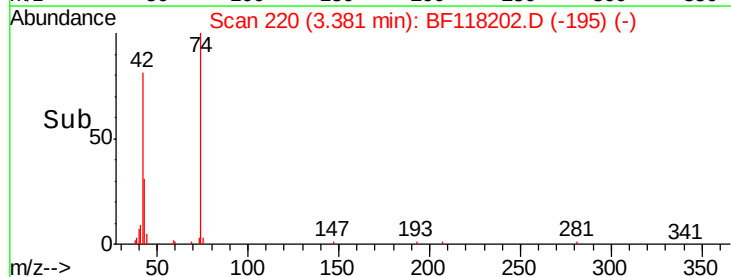
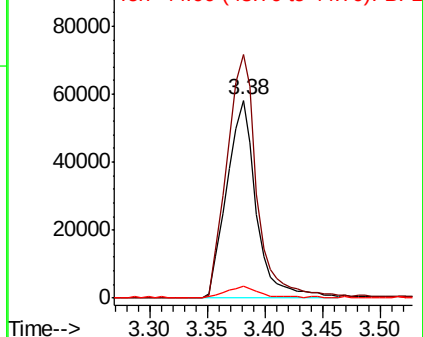
Lab File: BF118202.D

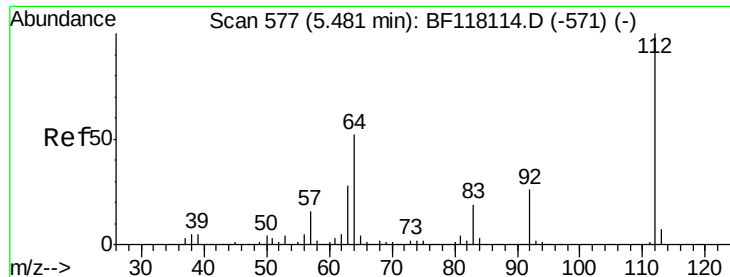
Acq: 16 Dec 2019 17:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 103851 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 123.0 | 104.6 | 157.0  |
| 44       | 6.0   | 5.1   | 7.7    |



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





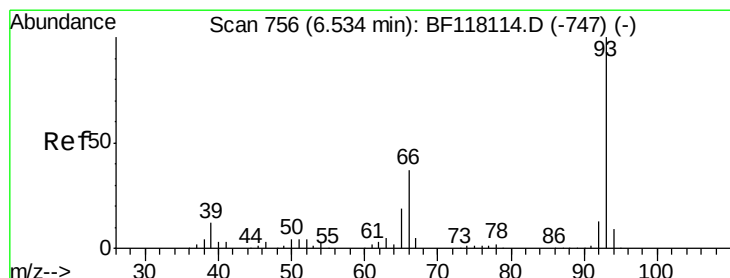
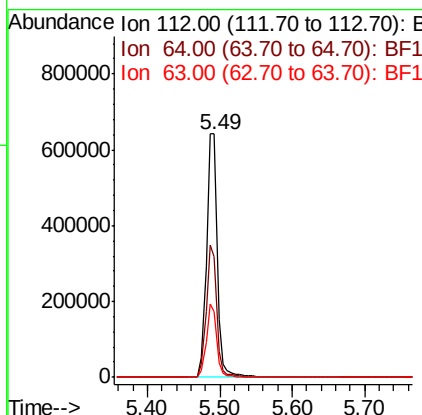
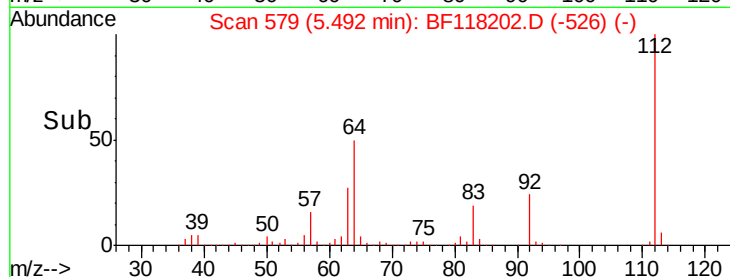
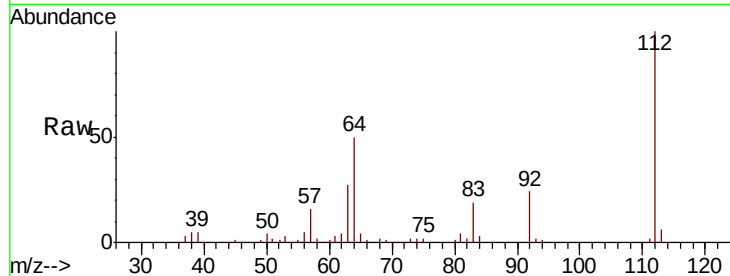
#5  
2-Fluorophenol  
Concen: 119.104 ng  
RT: 5.49 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 672132 |       |       |
| 64      | 49.8  |        | 41.3  | 61.9  |
| 63      | 27.0  |        | 22.4  | 33.6  |

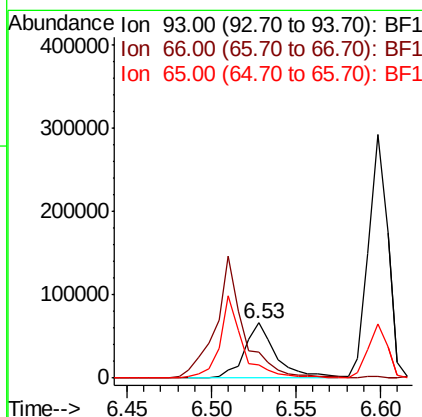
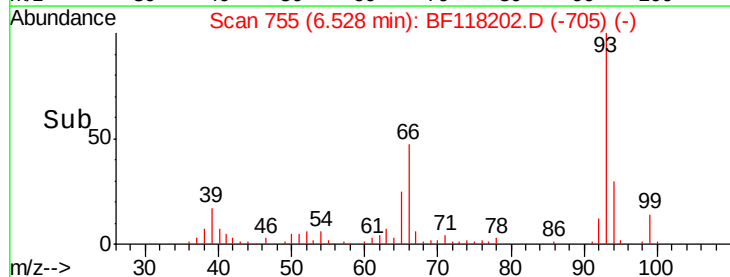
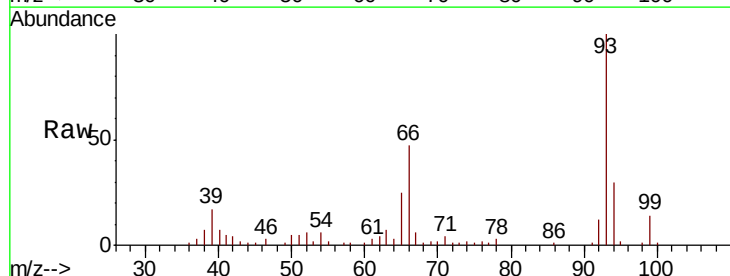
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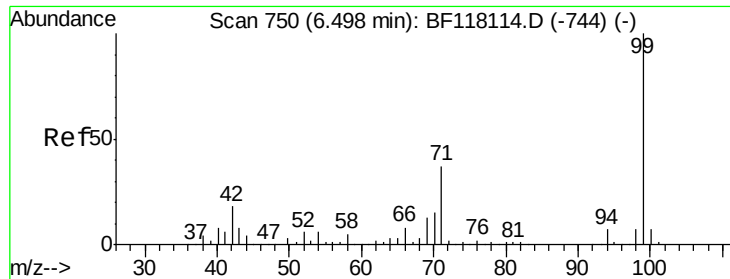
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#6  
Aniline  
Concen: 9.837 ng  
RT: 6.53 min Scan# 755  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 85891 |       |       |
| 66      | 47.2  |       | 30.2  | 45.2# |
| 65      | 25.1  |       | 15.5  | 23.3# |





#7

Phenol-d6

Concen: 113.356 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

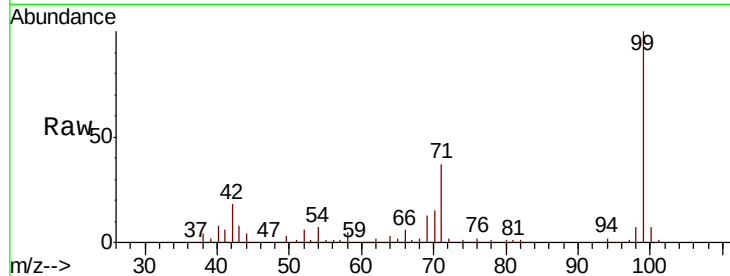
ClientSampleId :

HD-02-121219MS

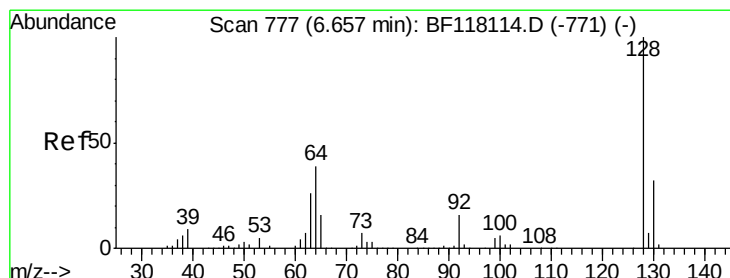
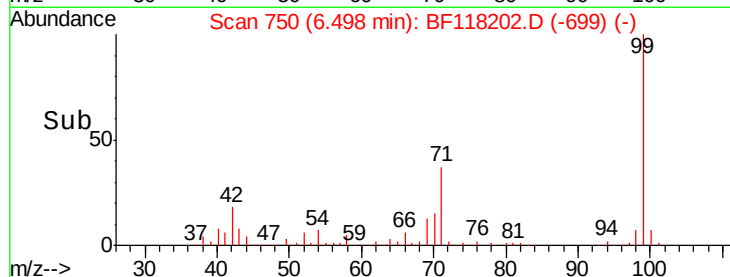
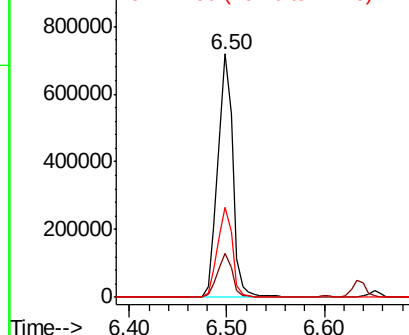
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 773730 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.9  | 14.1  | 21.1   |
| 71        | 36.9  | 29.7  | 44.5   |

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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.501 ng

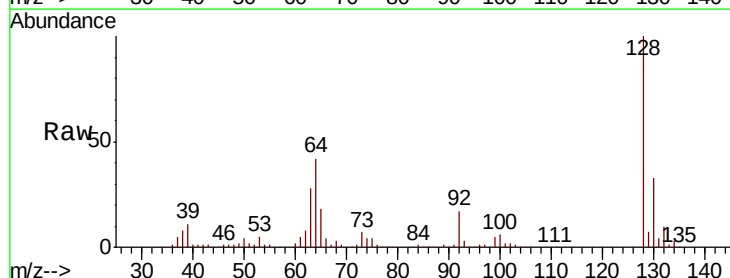
RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

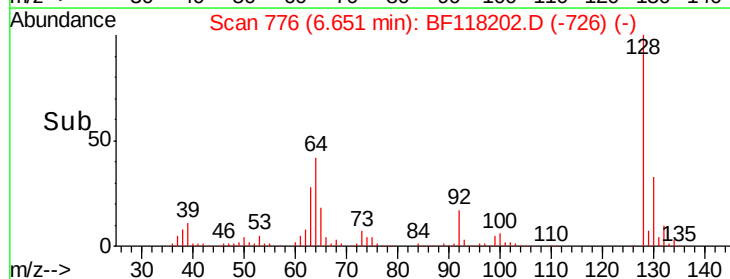
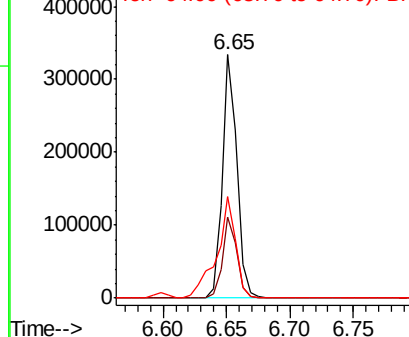
Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

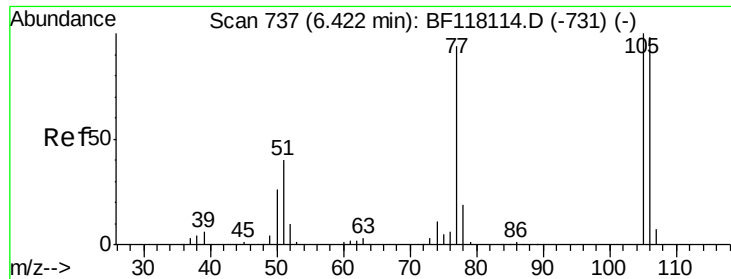
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 270444 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.2  | 12.1  | 52.1   |
| 64        | 41.7  | 19.3  | 59.3   |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 15.463 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

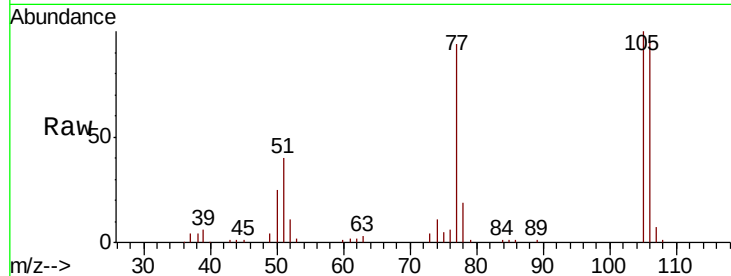
ClientSampleID :

HD-02-121219MS

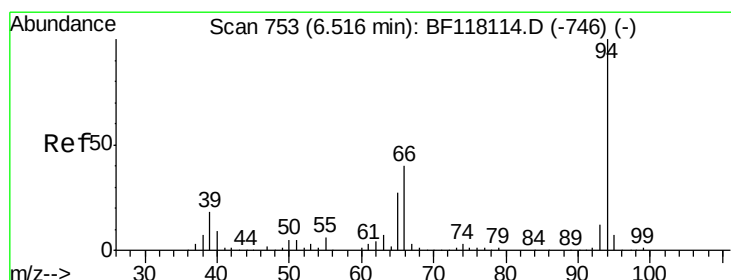
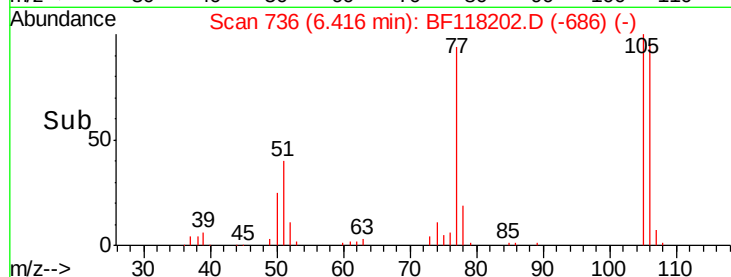
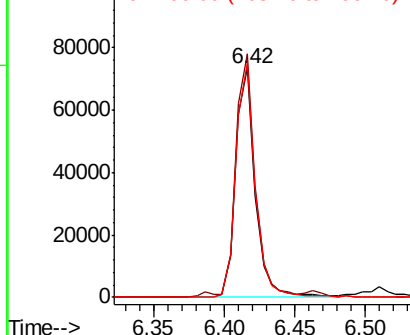
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 71036 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 106.2 | 86.4  | 126.4 |
| 106      | 102.4 | 83.8  | 123.8 |

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Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 34.929 ng

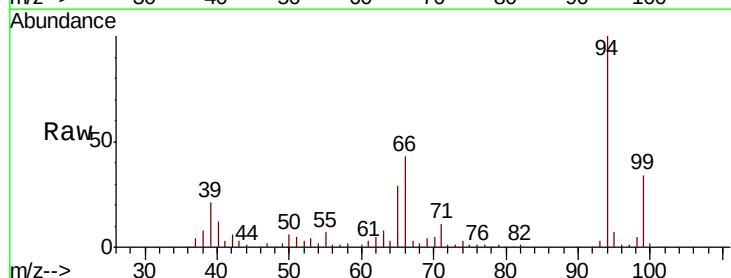
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

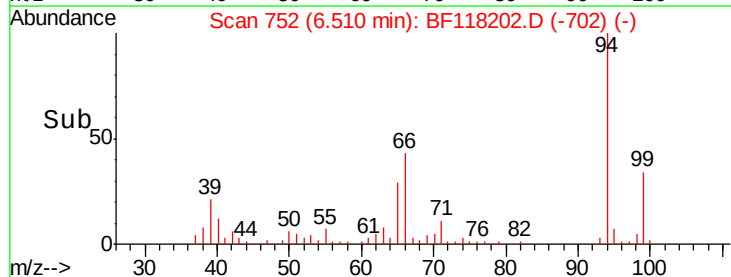
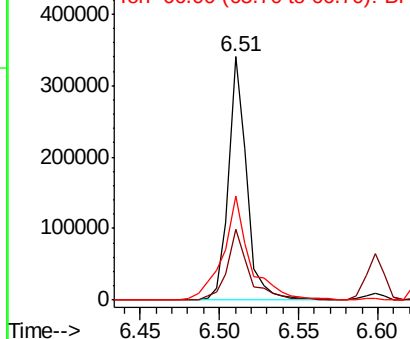
Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

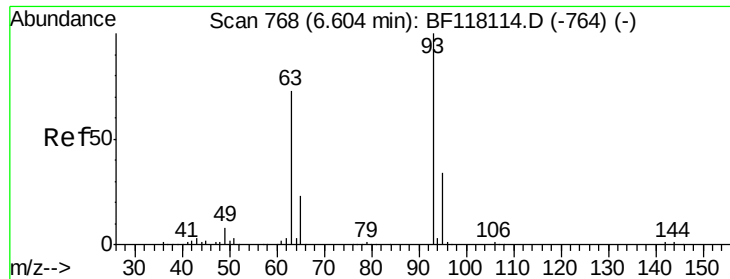
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 271892 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 29.0  | 7.3   | 47.3   |
| 66       | 42.9  | 20.2  | 60.2   |



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1







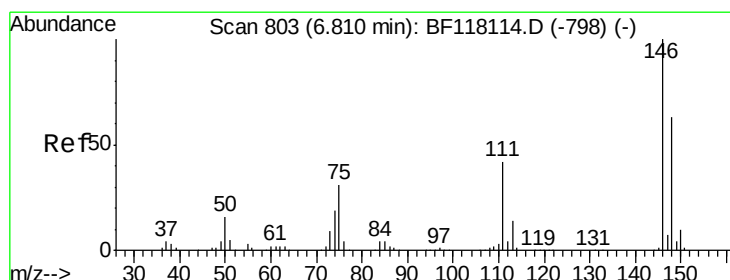
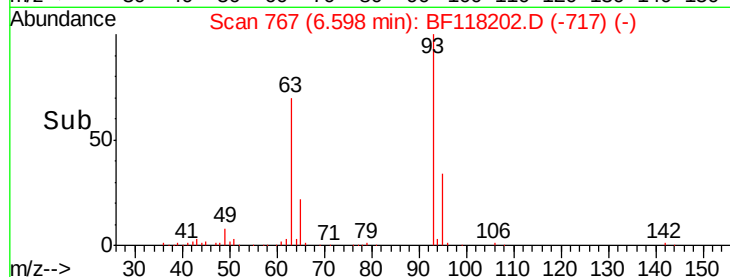
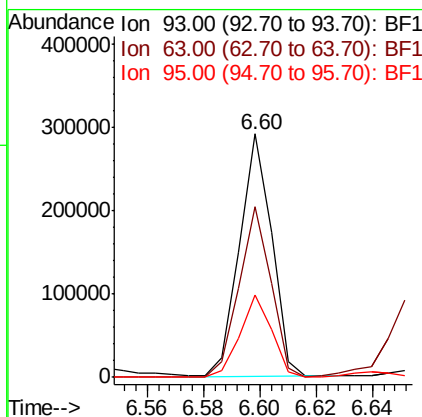
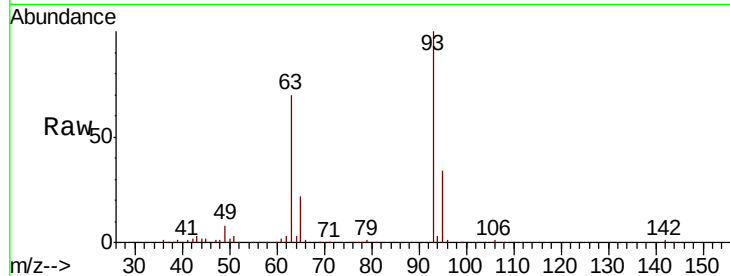
#11  
bis(2-Chloroethyl)ether  
Concen: 41.179 ng  
RT: 6.60 min Scan# 767  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 231830 |       |       |
| 63      | 70.2 | 53.2  | 93.2   |       |       |
| 95      | 33.8 | 13.8  | 53.8   |       |       |

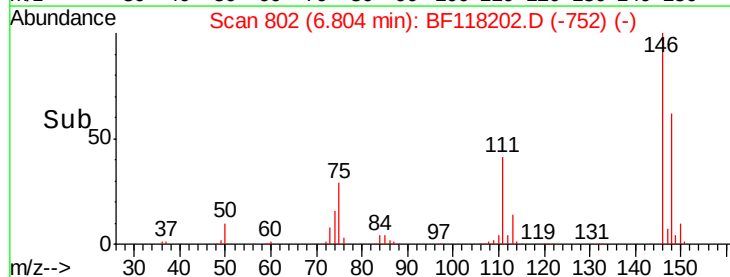
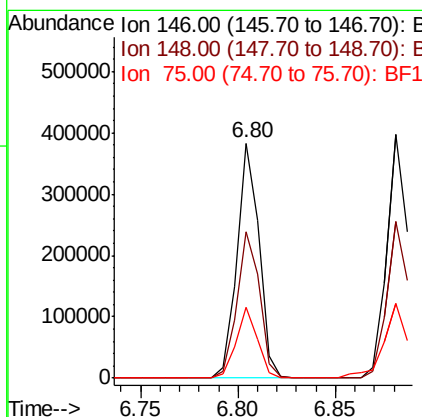
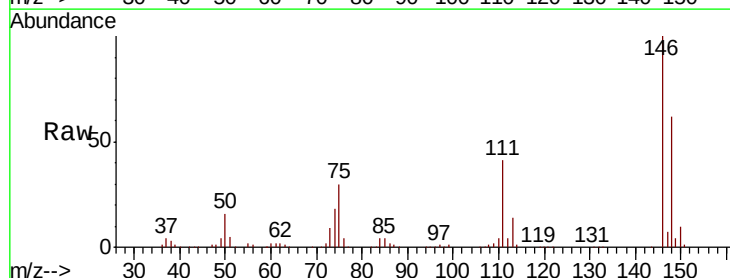
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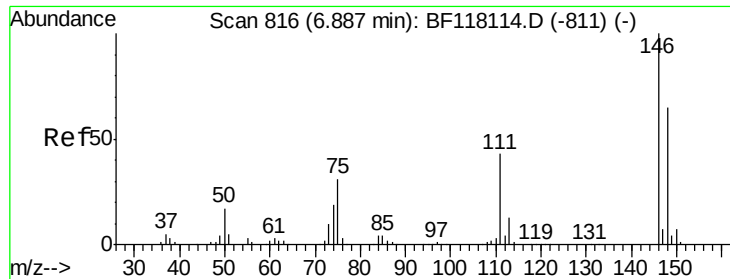
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#12  
1,3-Dichlorobenzene  
Concen: 40.530 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 301271 |       |       |
| 148     | 62.3 | 50.2  | 75.4   |       |       |
| 75      | 30.3 | 24.6  | 37.0   |       |       |





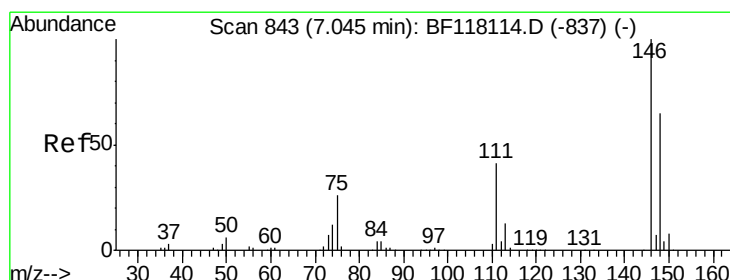
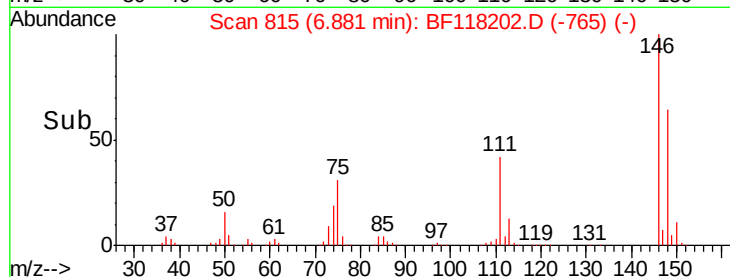
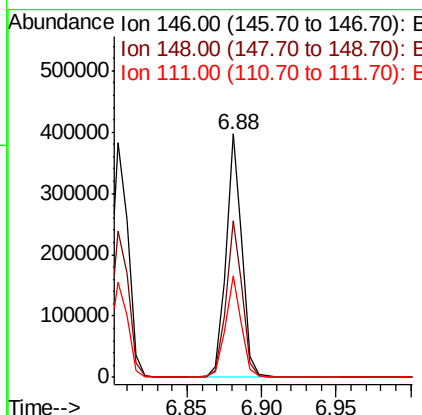
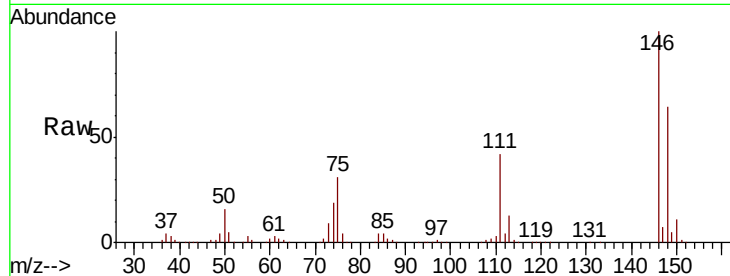
#13  
 1,4-Dichlorobenzene  
 Concen: 40.353 ng  
 RT: 6.88 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 52.1  | 78.1  |
| 111     | 41.5  | 34.6  | 52.0  |

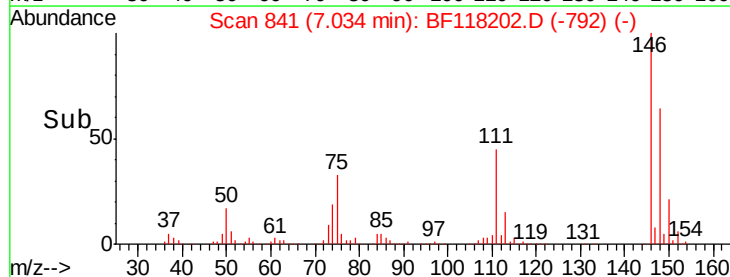
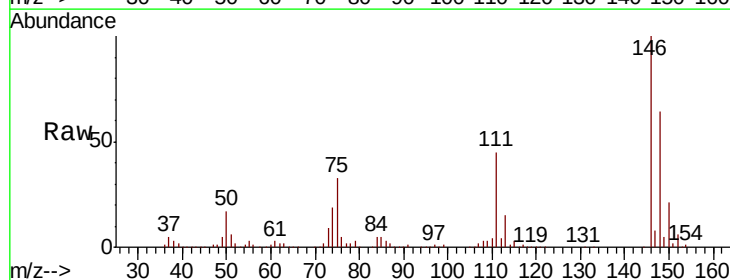
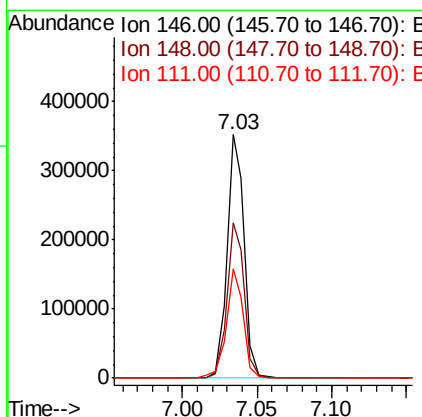
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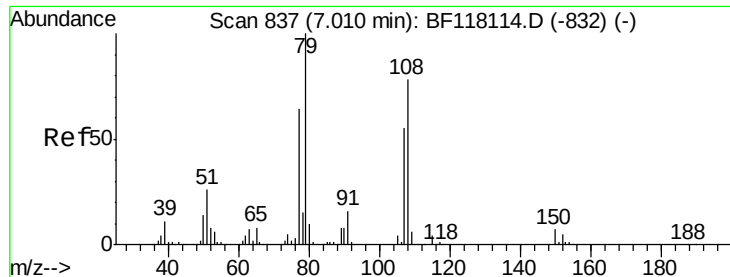
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#14  
 1,2-Dichlorobenzene  
 Concen: 40.844 ng  
 RT: 7.03 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 52.2  | 78.2  |
| 111     | 44.7  | 33.1  | 49.7  |





#15

Benzyl Alcohol

Concen: 43.137 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

ClientSampleId :

HD-02-121219MS

Tot Ion: 79 Resp: 229836  
Ion Ratio Lower Upper

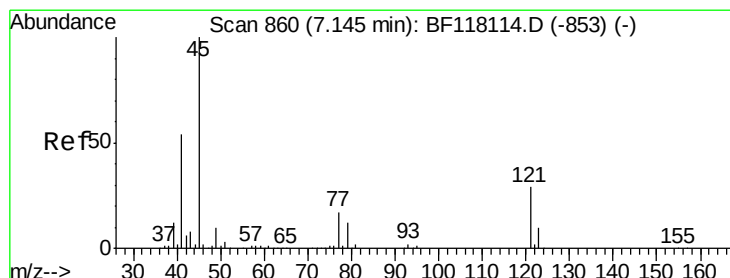
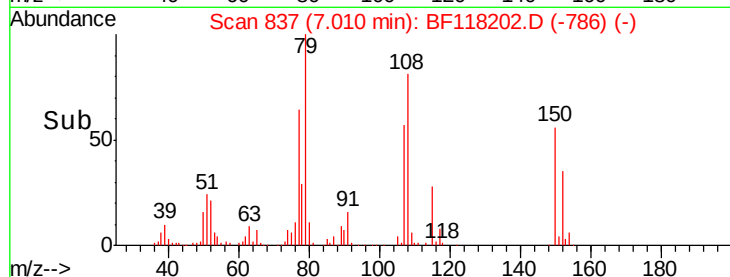
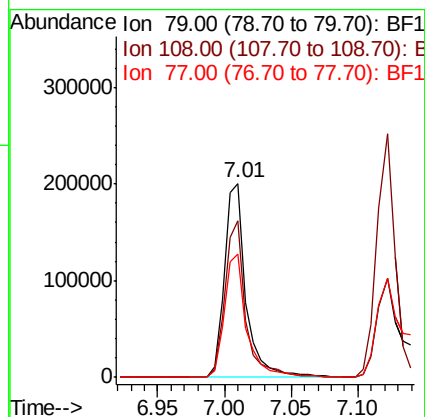
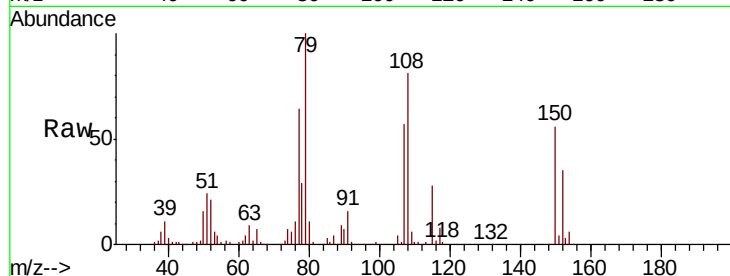
79 100

108 80.9 62.7 94.1

77 63.6 51.4 77.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.748 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF118202.D

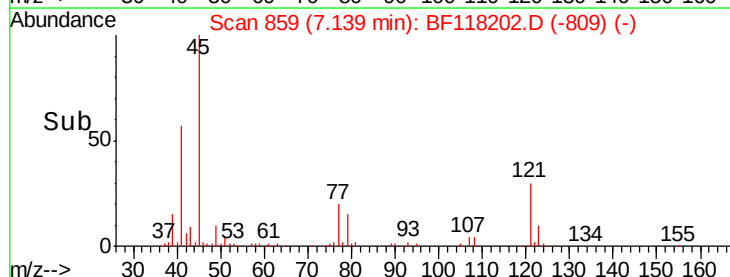
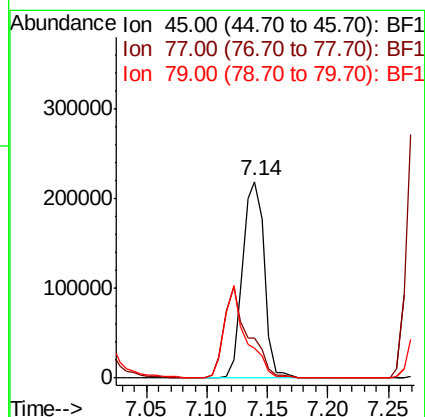
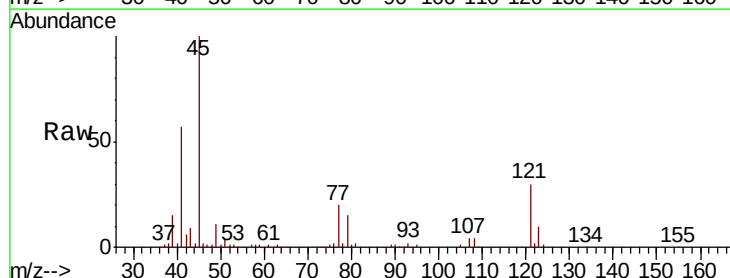
Acq: 16 Dec 2019 17:53

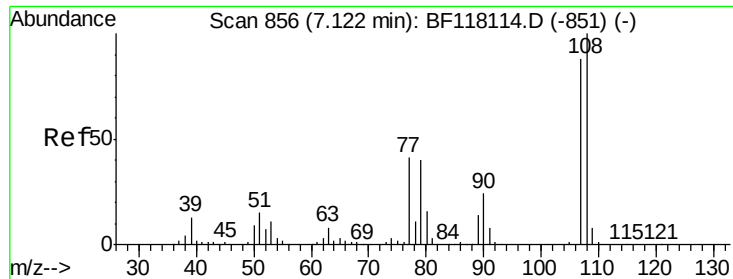
Tgt Ion: 45 Resp: 275829  
Ion Ratio Lower Upper

45 100

77 20.1 0.0 38.0

79 15.4 0.0 33.2





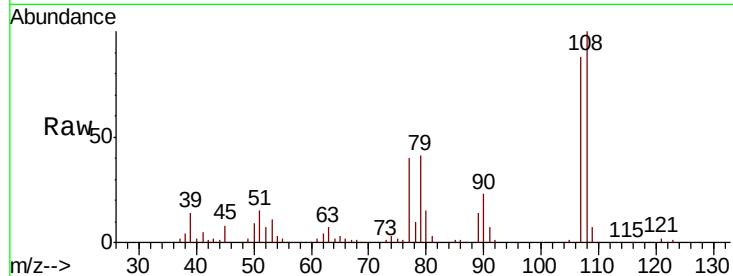
#17  
2-Methylphenol  
Concen: 41.469 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.3 | 91.1  | 136.7 |
| 77      | 46.2  | 37.8  | 56.6  |
| 79      | 46.5  | 37.0  | 55.6  |

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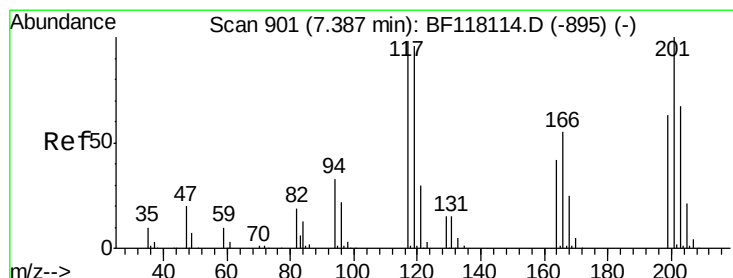
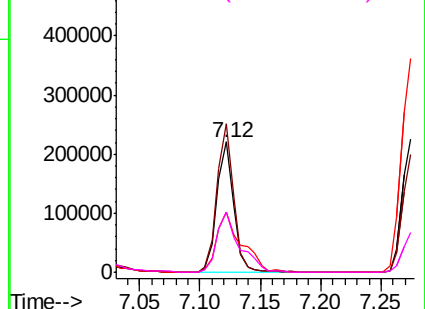
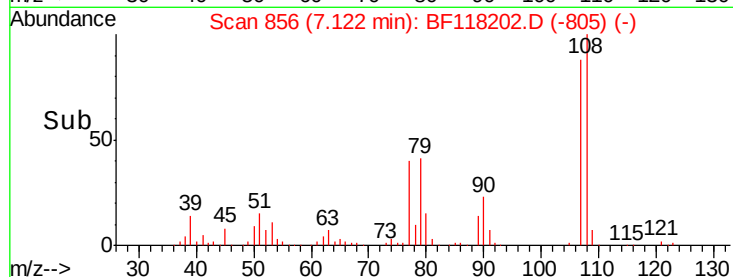
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

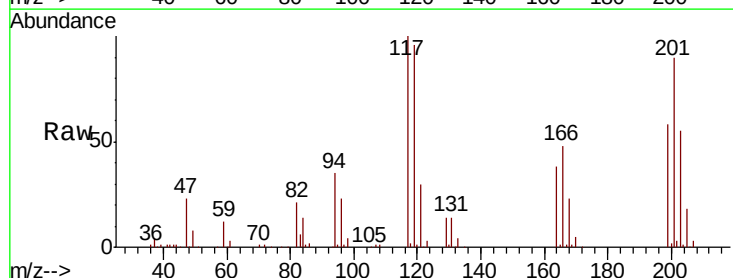
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 40.060 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 78.2  | 117.4 |
| 201     | 89.6  | 81.6  | 122.4 |

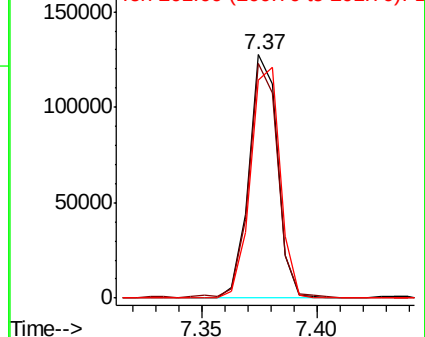
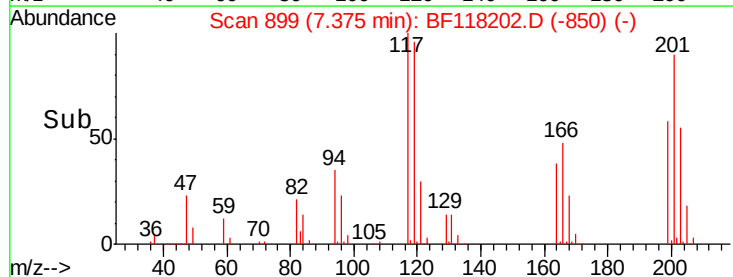


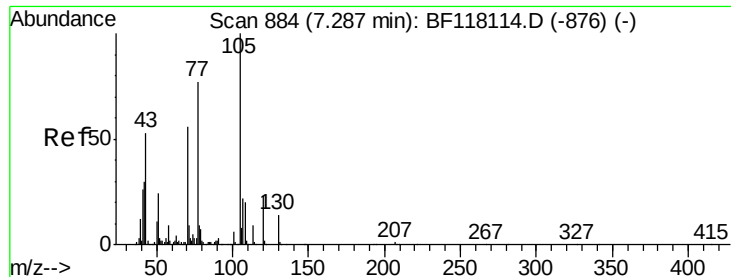
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





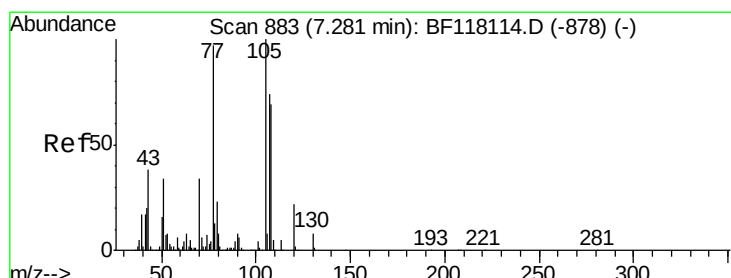
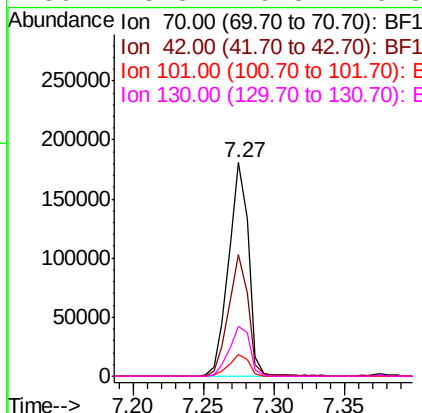
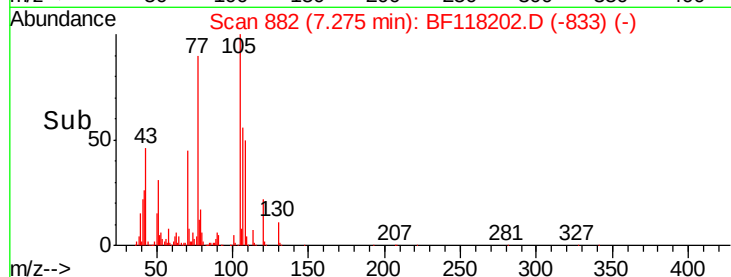
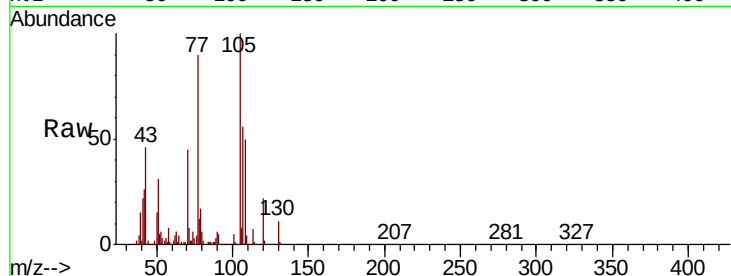
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.075 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 178660 |       |       |
| 42      | 56.8 | 43.2  | 64.8   |       |       |
| 101     | 10.2 | 8.1   | 12.1   |       |       |
| 130     | 23.3 | 19.8  | 29.8   |       |       |

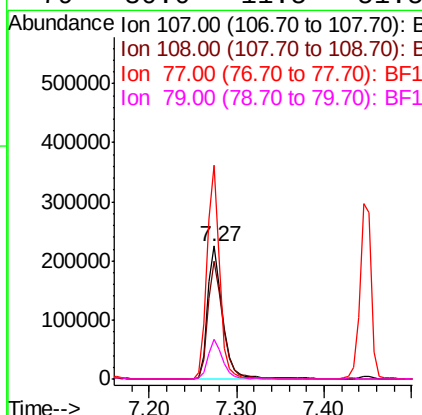
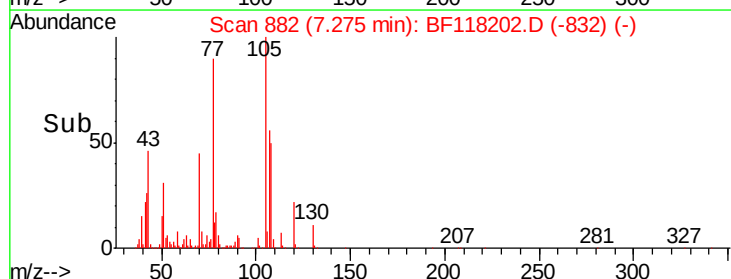
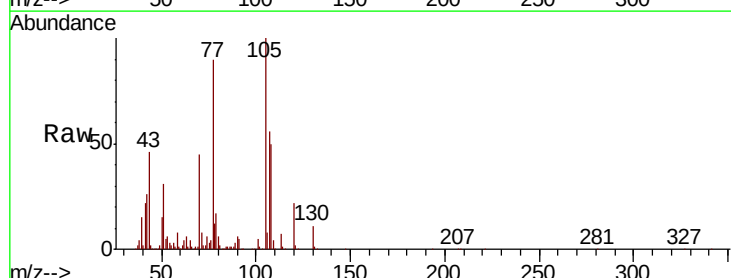
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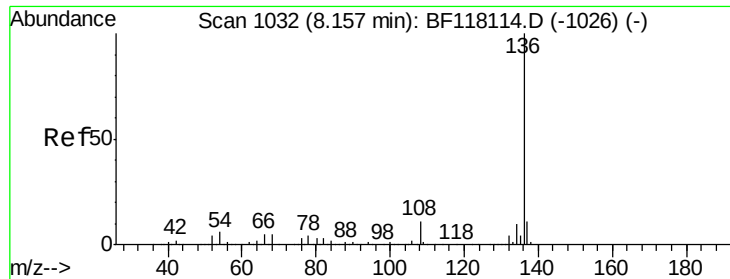
mohammad  
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#20  
3+4-Methylphenols  
Concen: 41.964 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 266767 |       |       |
| 108     | 88.4  | 73.2  | 113.2  |       |       |
| 77      | 160.7 | 110.9 | 150.9# |       |       |
| 79      | 30.0  | 11.5  | 51.5   |       |       |





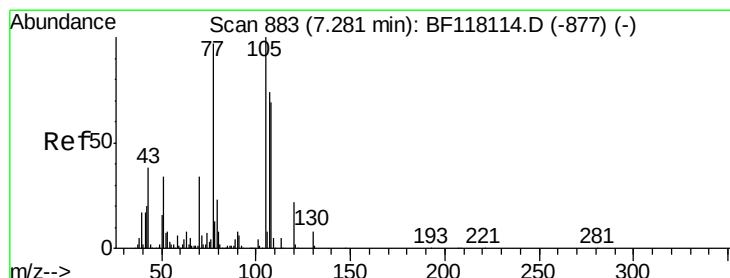
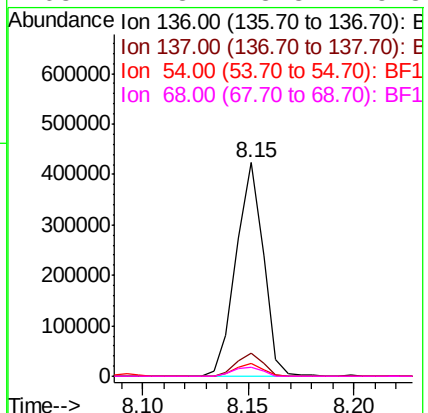
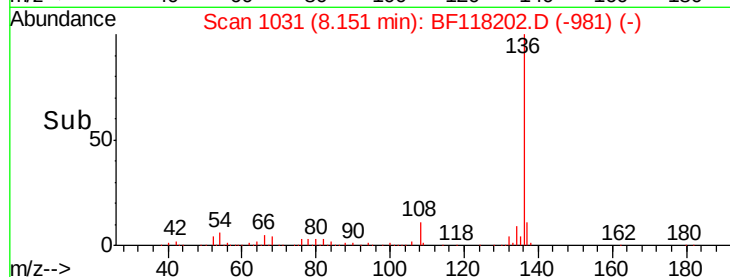
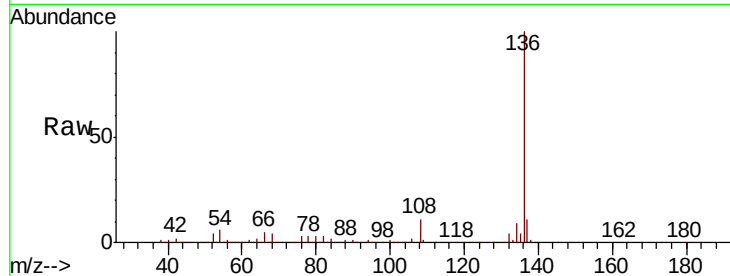
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 377506 |       |       |
| 137     | 10.8  |        | 9.0   | 13.6  |
| 54      | 6.1   |        | 5.0   | 7.6   |
| 68      | 4.3   |        | 3.8   | 5.8   |

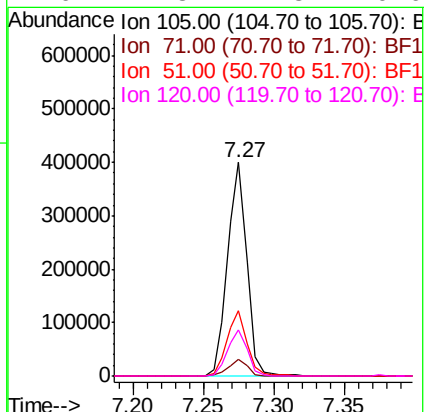
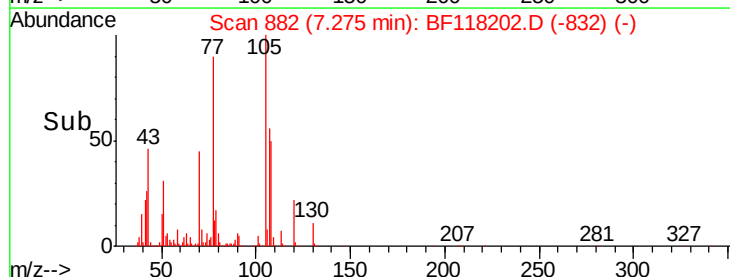
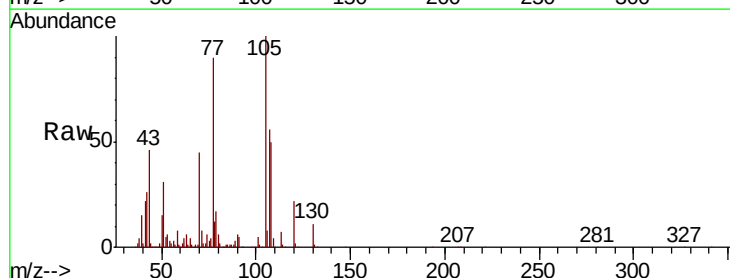
Manual Integrations  
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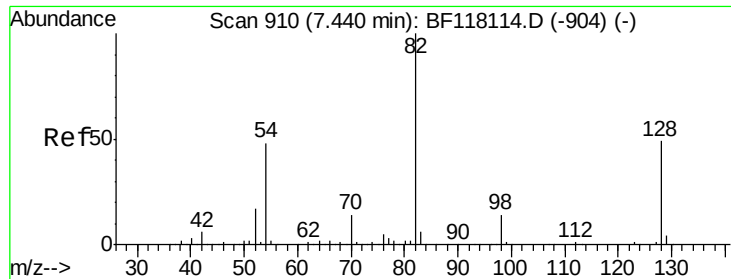
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#22  
Acetophenone  
Concen: 41.918 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 380176 |       |       |
| 71      | 7.6   |        | 4.7   | 7.1#  |
| 51      | 30.7  |        | 27.1  | 40.7  |
| 120     | 21.8  |        | 17.8  | 26.6  |





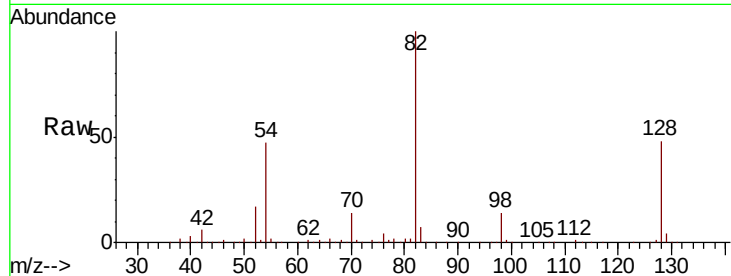
#23  
Nitrobenzene-d5  
Concen: 82.322 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

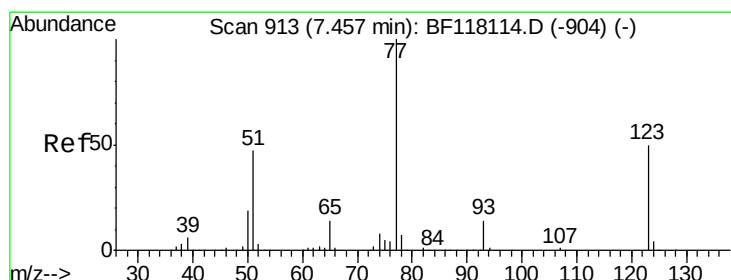
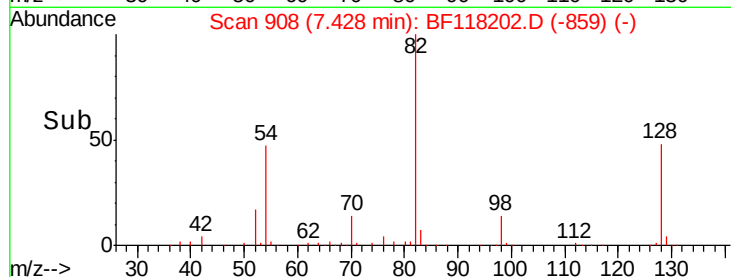
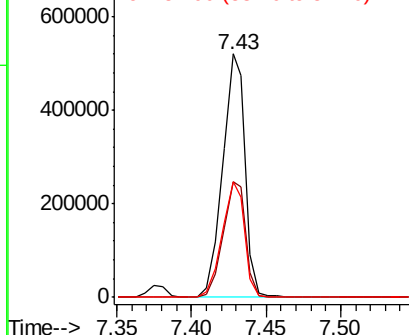
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.7  | 39.1  | 58.7  |
| 54      | 47.4  | 38.2  | 57.2  |

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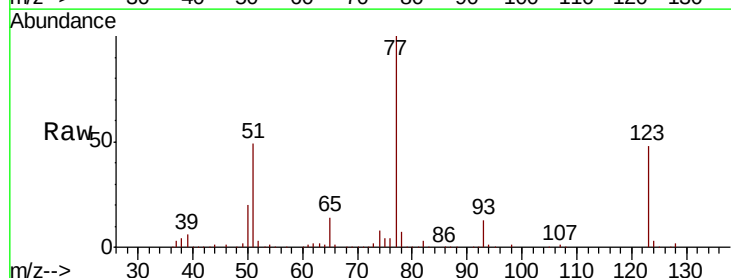


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

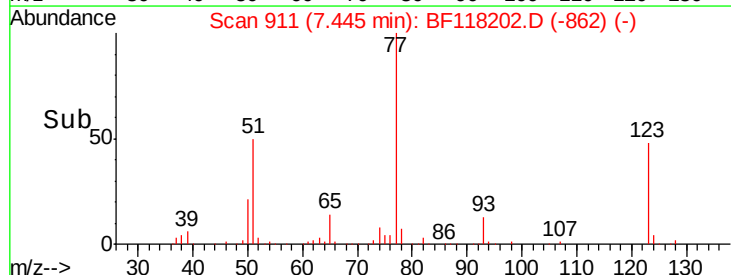
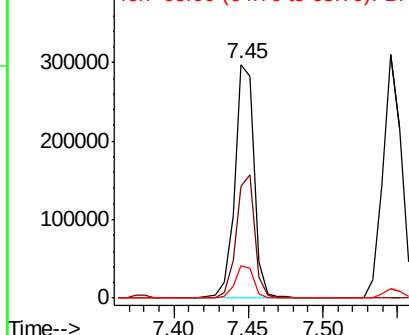


#24  
Nitrobenzene  
Concen: 40.790 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

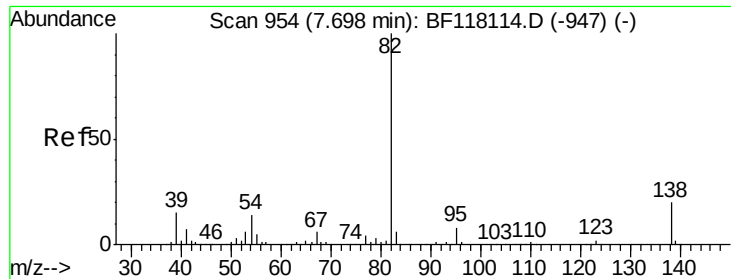
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.1  | 40.1  | 60.1  |
| 65      | 13.7  | 10.9  | 16.3  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1







#25

Isophorone

Concen: 42.811 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

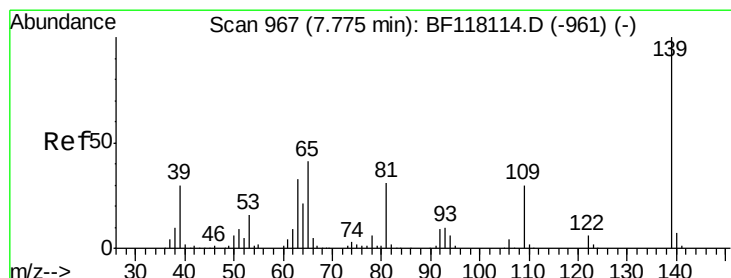
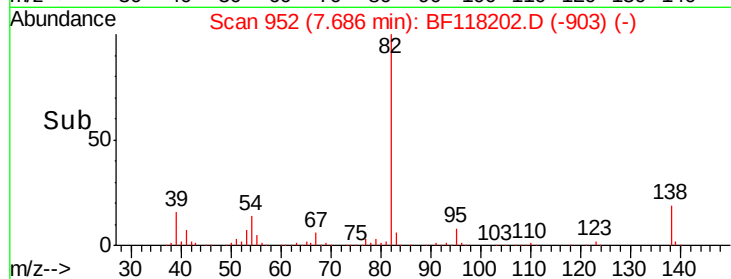
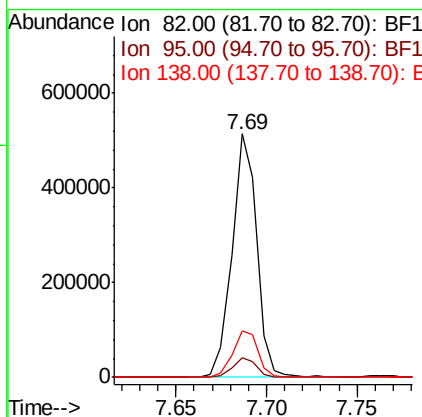
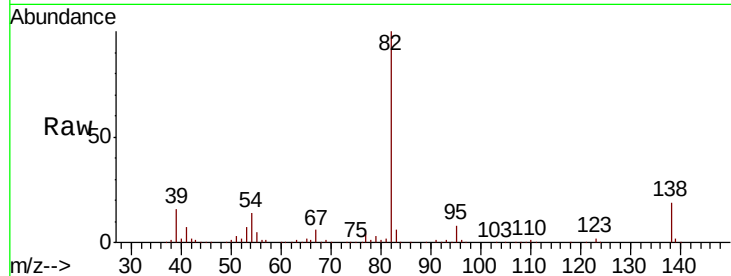
ClientSampleId :

HD-02-121219MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 486992 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 8.0  | 6.3   | 9.5    |
| 138       | 18.9 | 16.3  | 24.5   |

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#26

2-Nitrophenol

Concen: 42.765 ng

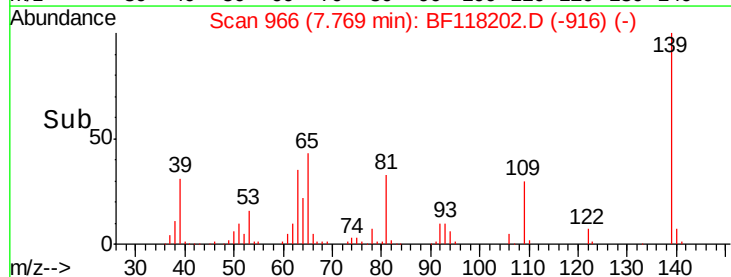
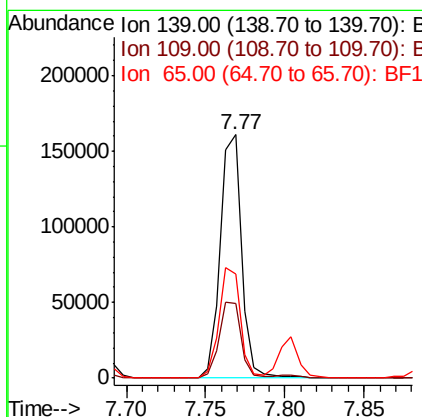
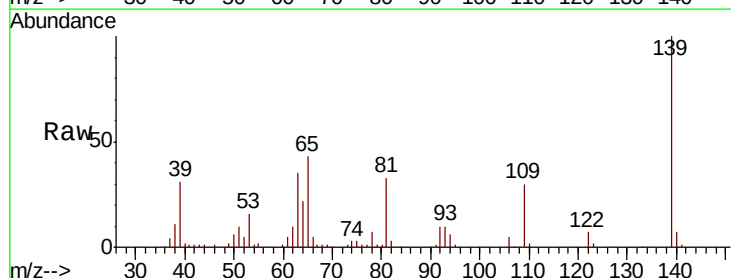
RT: 7.77 min Scan# 966

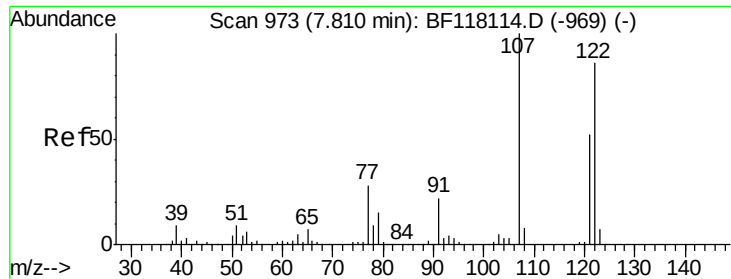
Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 150695 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 30.4 | 23.9  | 35.9   |
| 65        | 42.5 | 33.0  | 49.6   |





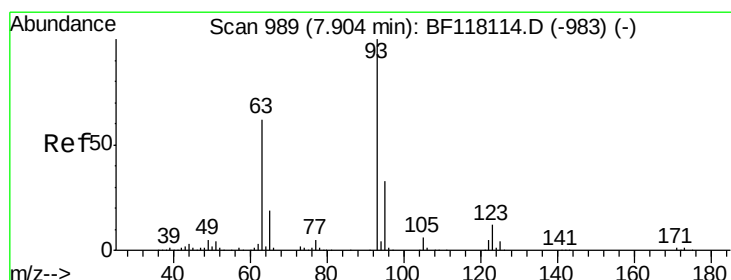
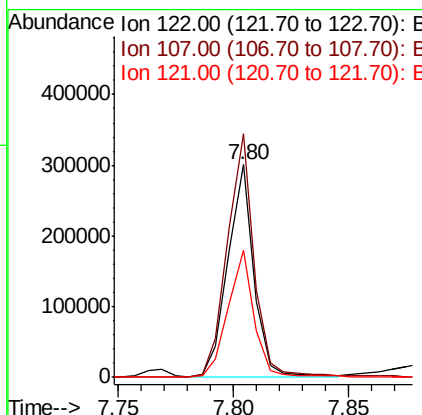
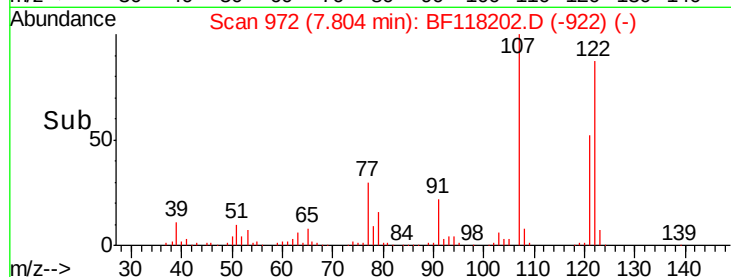
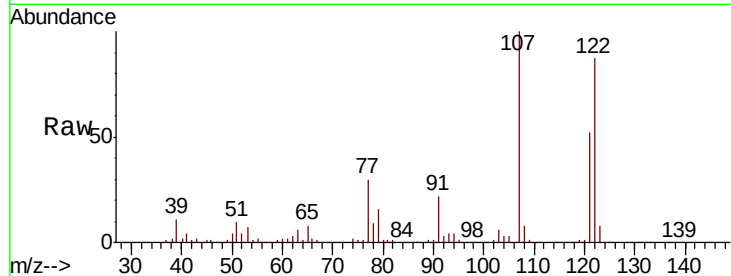
#27  
2,4-Dimethylphenol  
Concen: 50.504 ng  
RT: 7.80 min Scan# 972  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 237384 |       |       |
| 107     | 114.5 | 92.9   | 139.3 |       |
| 121     | 60.1  | 48.3   | 72.5  |       |

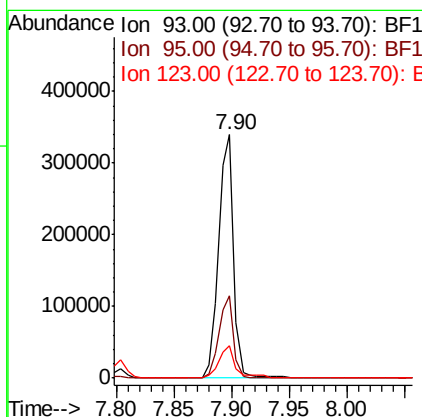
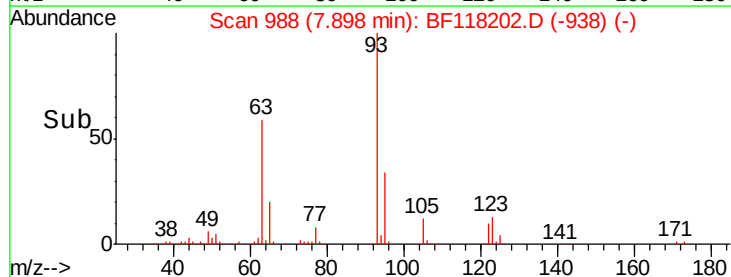
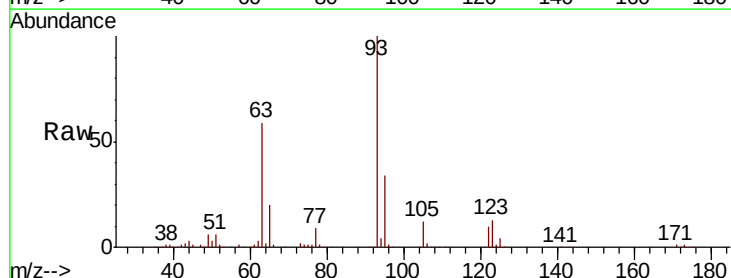
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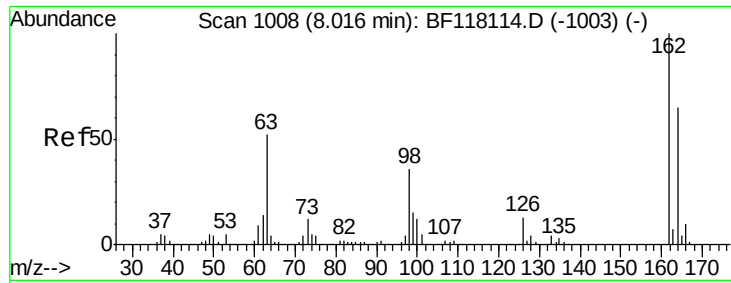
mohammad  
12/17/2019 3:19:23 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.982 ng  
RT: 7.90 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 304623 |       |       |
| 95      | 33.8  | 26.7   | 40.1  |       |
| 123     | 13.1  | 10.0   | 15.0  |       |





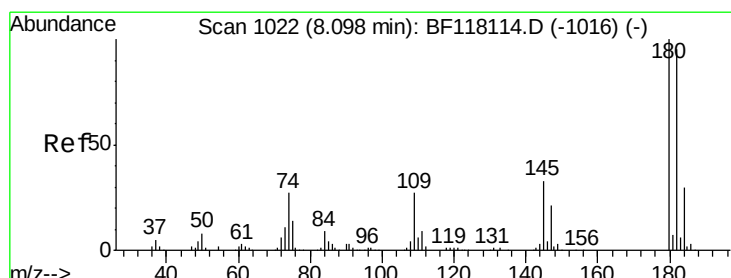
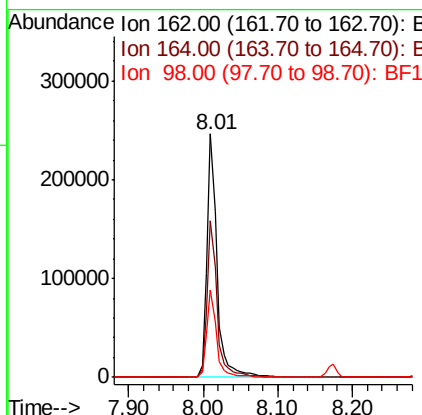
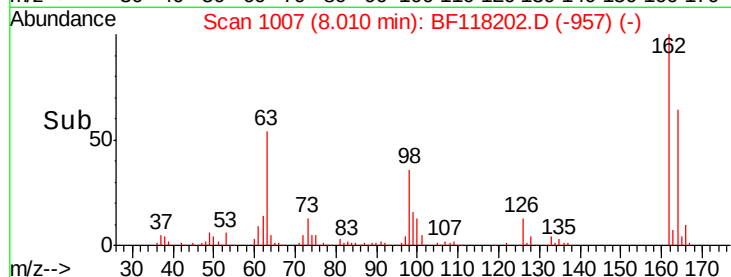
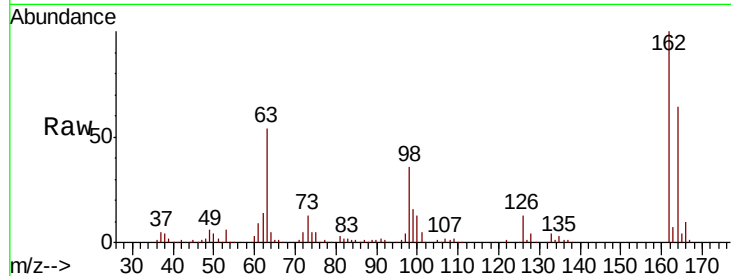
#29  
2,4-Dichlorophenol  
Concen: 42.684 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 233888 |       |       |
| 164     | 64.2  | 45.2   | 85.2  |       |
| 98      | 36.1  | 15.9   | 55.9  |       |

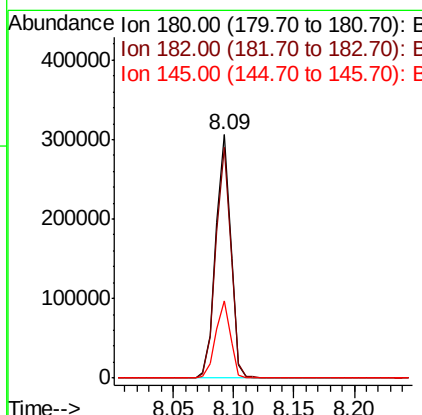
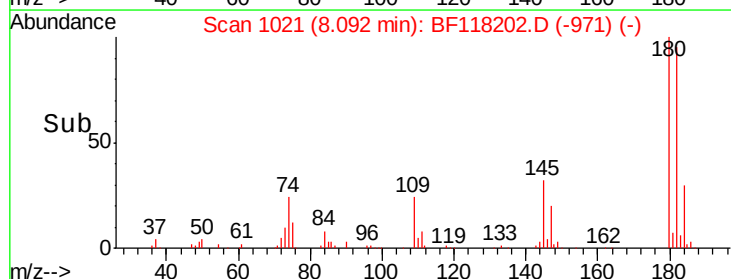
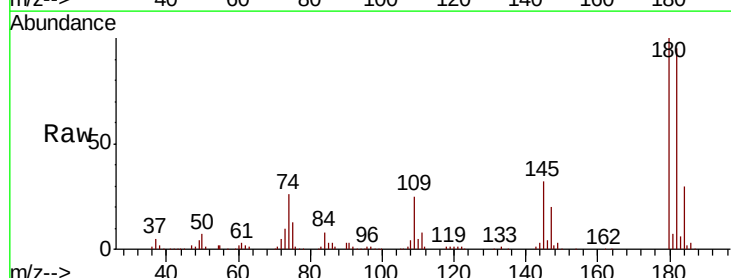
Manual Integrations  
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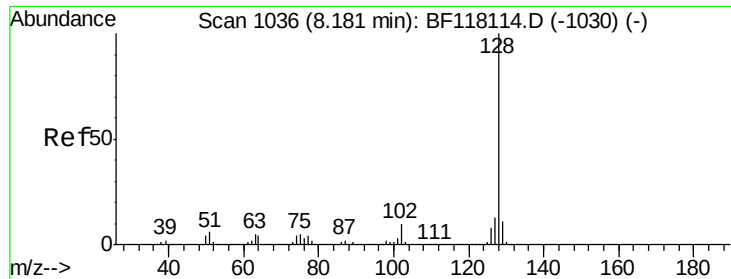
mohammad  
12/17/2019 3:19:23 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 40.647 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 260289 |       |       |
| 182     | 94.8  | 76.1   | 114.1 |       |
| 145     | 31.9  | 26.1   | 39.1  |       |





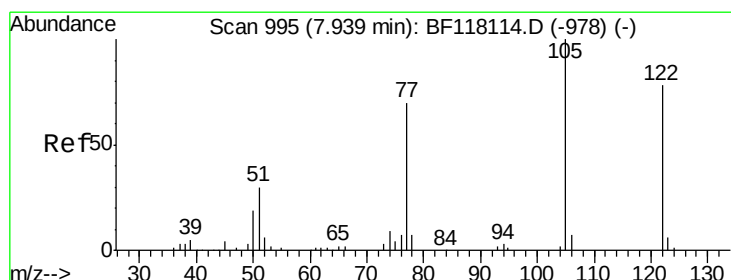
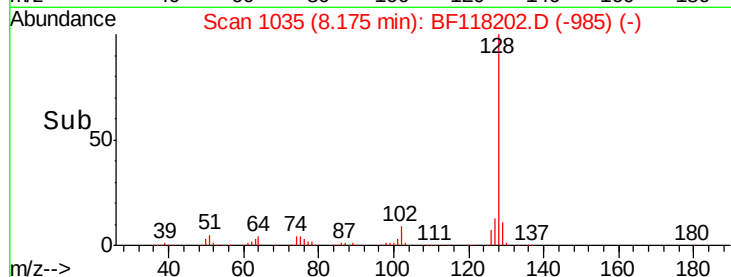
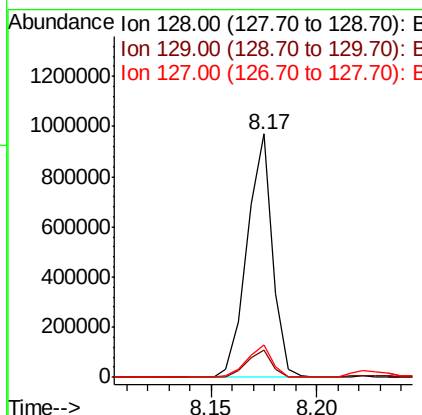
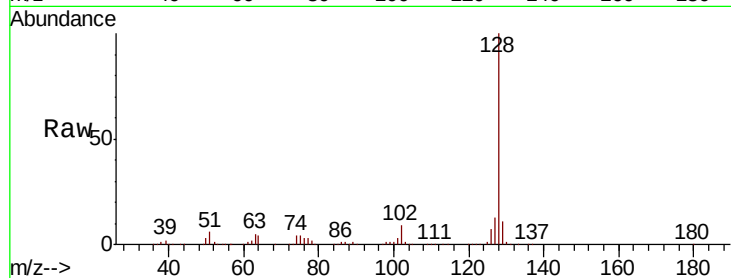
#31  
Naphthalene  
Concen: 42.779 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 9.1   | 13.7  |
| 127     | 13.4  | 10.6  | 16.0  |

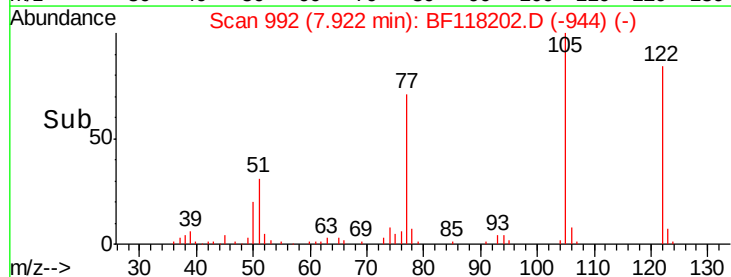
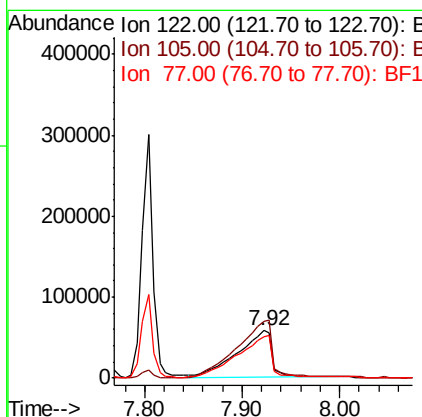
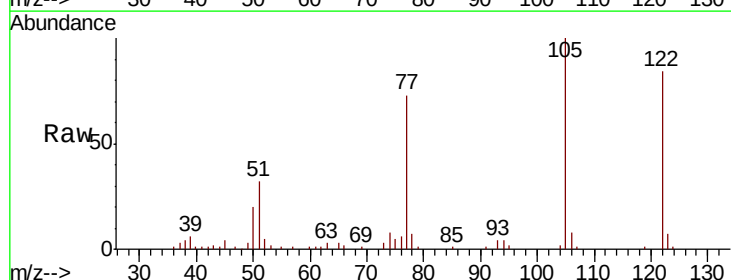
Manual Integrations  
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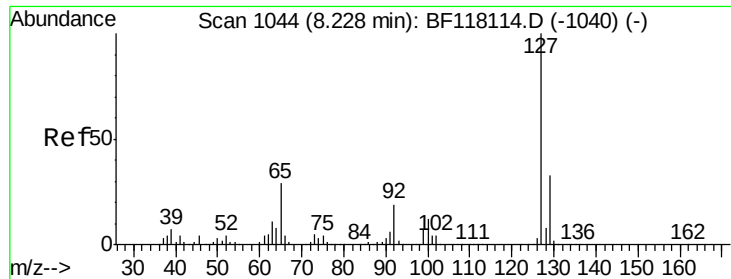
mohammad  
12/17/2019 3:19:23 PM



#32  
Benzoic acid  
Concen: 34.475 ng  
RT: 7.92 min Scan# 992  
Delta R.T. -0.02 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 118.4 | 104.7 | 144.7 |
| 77      | 86.1  | 69.1  | 109.1 |





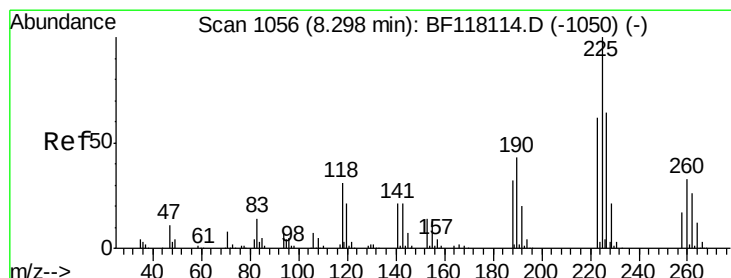
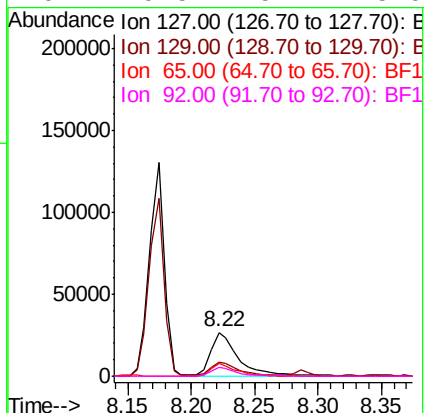
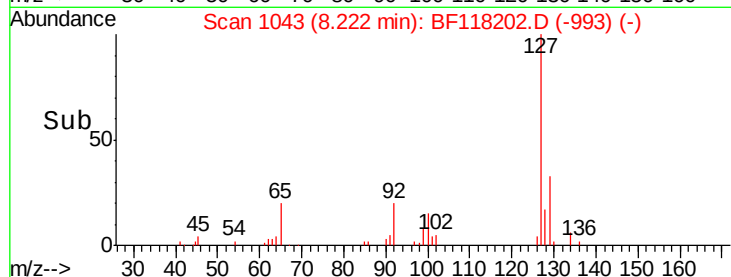
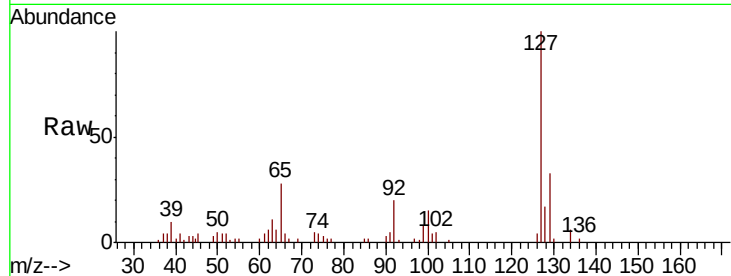
#33  
4-Chloroaniline  
Concen: 4.897 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 40090 |       |       |
| 129     | 32.7 | 26.6  | 40.0  |       |       |
| 65      | 28.2 | 23.2  | 34.8  |       |       |
| 92      | 19.5 | 15.4  | 23.0  |       |       |

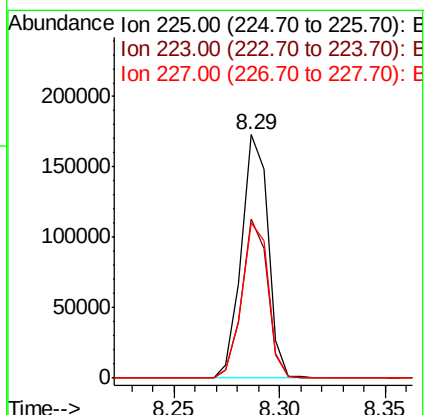
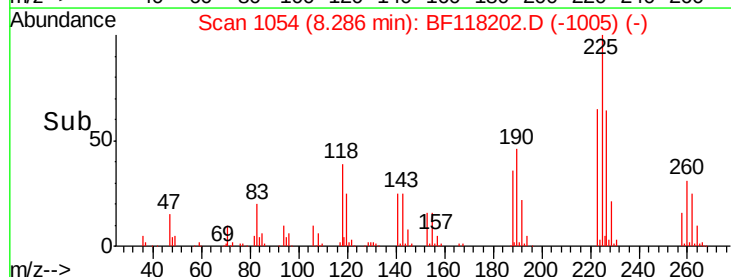
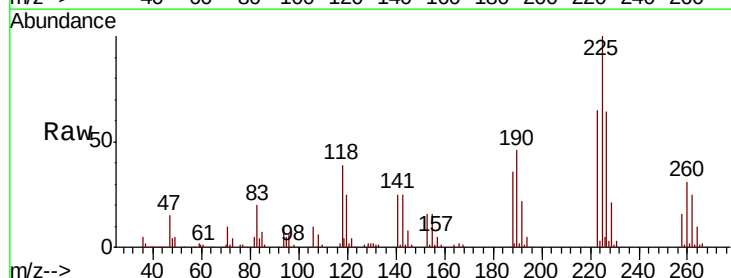
Manual Integrations  
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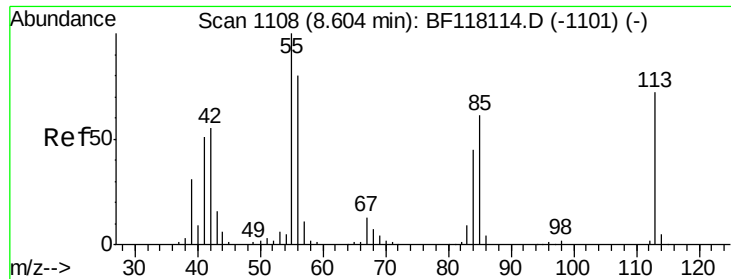
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 39.280 ng  
RT: 8.29 min Scan# 1054  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 150832 |       |       |
| 223     | 65.3 | 49.6  | 74.4   |       |       |
| 227     | 63.7 | 51.0  | 76.6   |       |       |





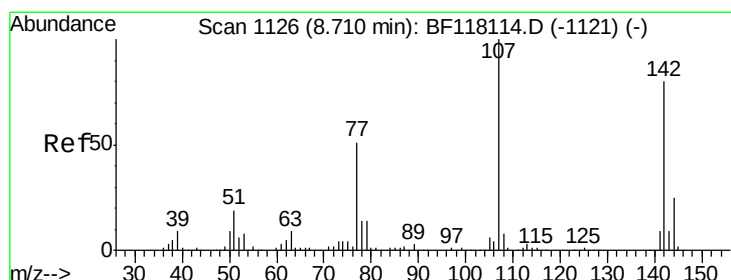
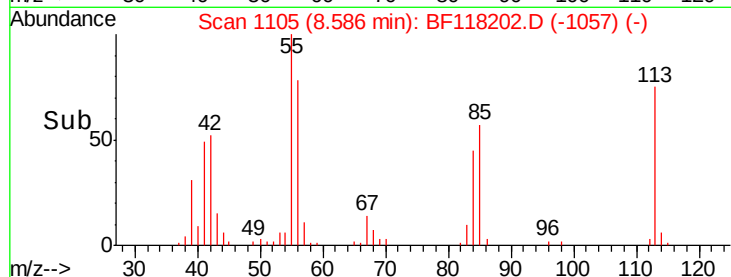
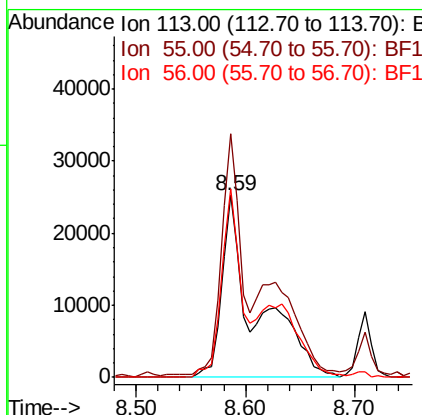
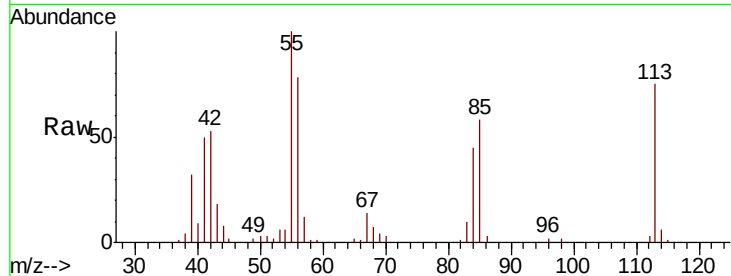
#35  
 Caprolactam  
 Concen: 32.476 ng/ml  
 RT: 8.59 min Scan# 1105  
 Delta R.T. -0.02 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 133.8 | 118.9 | 158.9 |
| 56      | 103.9 | 91.4  | 131.4 |

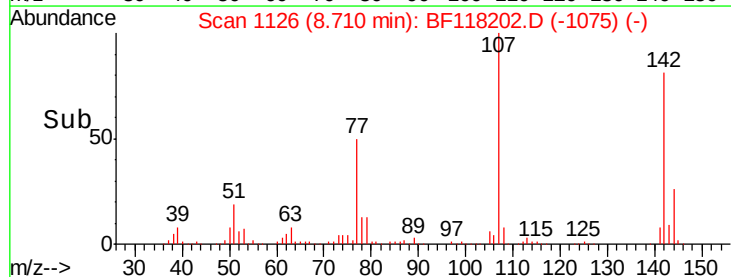
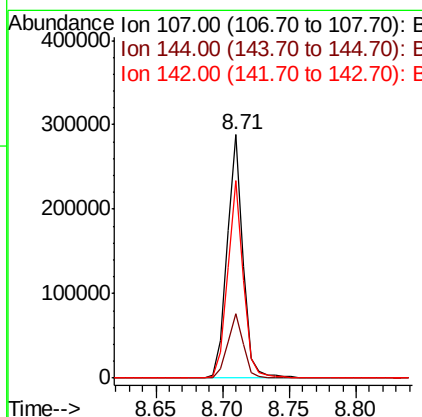
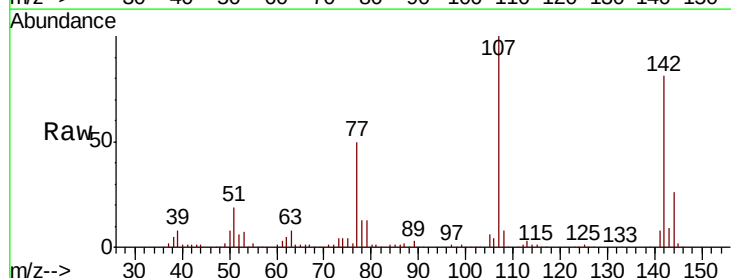
Manual Integrations  
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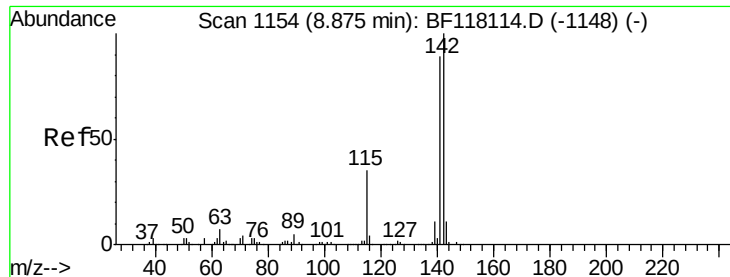
mohammad  
 12/17/2019 3:19:23 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 42.197 ng/ml  
 RT: 8.71 min Scan# 1126  
 Delta R.T. -0.00 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.5  | 20.3  | 30.5  |
| 142     | 80.9  | 63.7  | 95.5  |





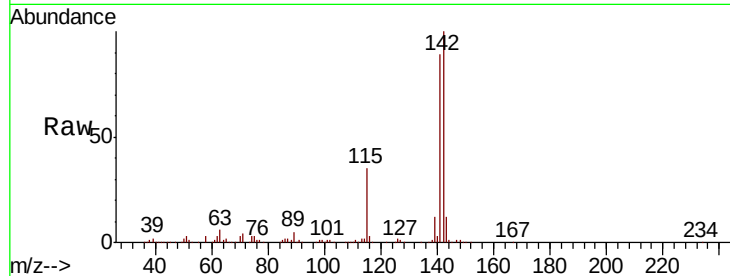
#37  
2-Methylnaphthalene  
Concen: 43.414 ng  
RT: 8.87 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.2  | 71.4  | 107.0 |
| 115     | 34.9  | 28.2  | 42.4  |

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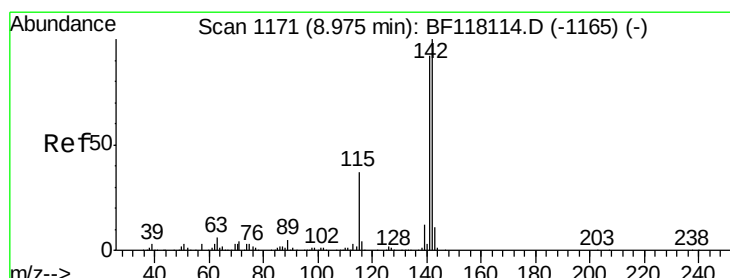
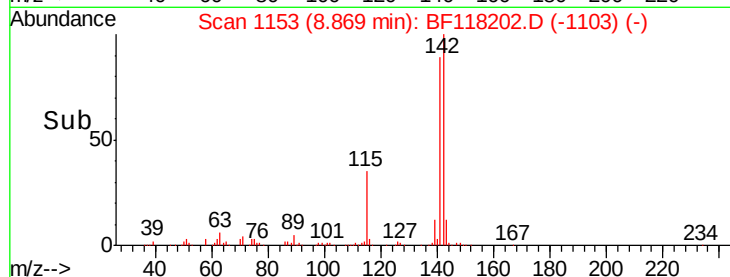
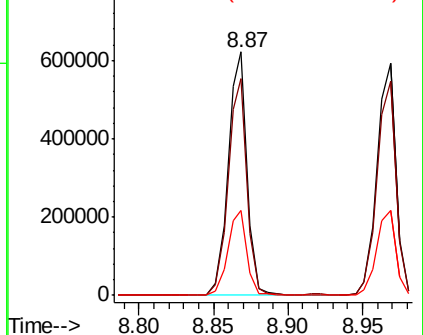


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 42.737 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

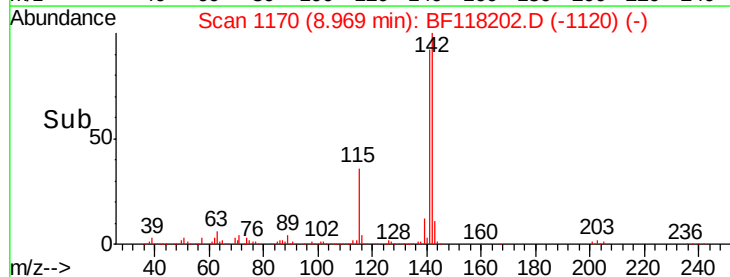
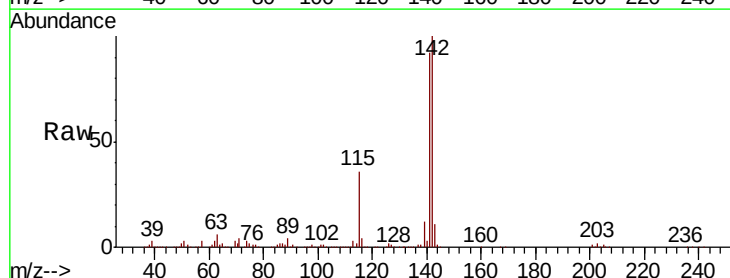
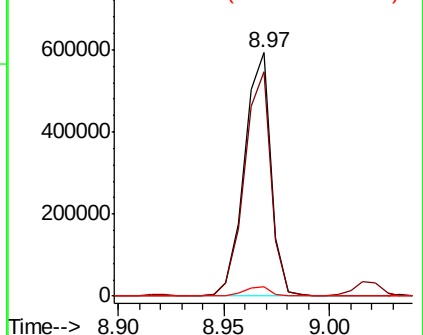
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.4  | 74.0  | 111.0 |
| 116     | 3.7   | 3.2   | 4.8   |

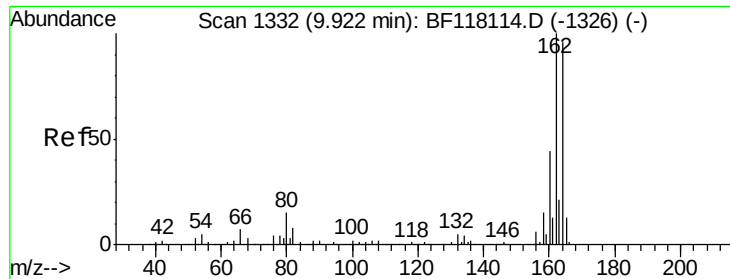
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





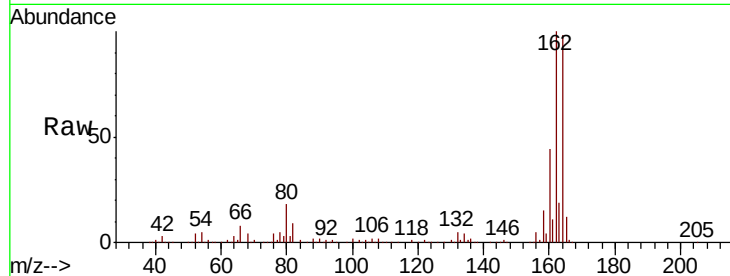
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 199735 |       |       |
| 162     | 101.8 | 83.4   | 125.0 |       |
| 160     | 44.9  | 36.6   | 54.8  |       |

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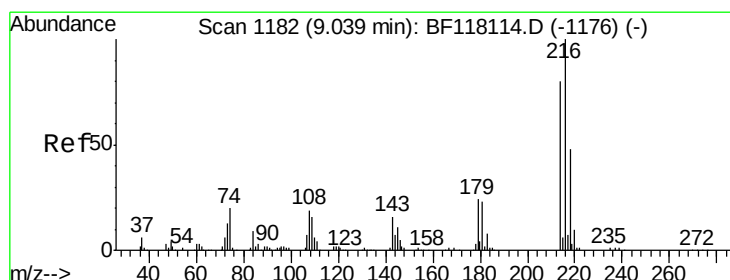
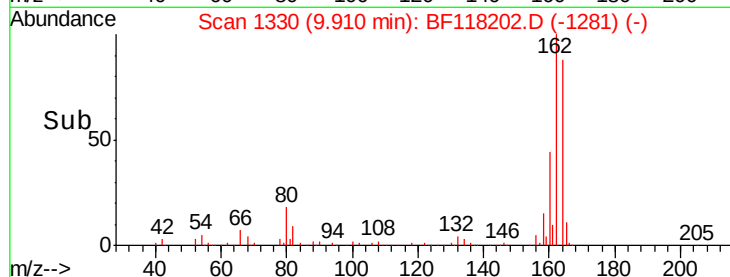
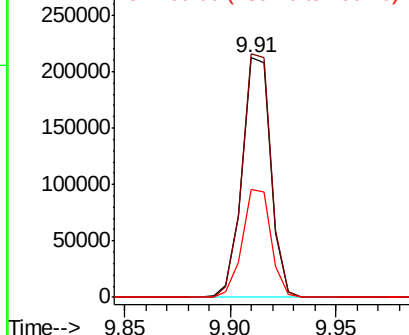


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.066 ng  
RT: 9.03 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 248476 |       |       |
| 214     | 79.2  | 63.4   | 95.2  |       |
| 179     | 23.1  | 18.6   | 27.8  |       |
| 108     | 21.2  | 15.4   | 23.0  |       |

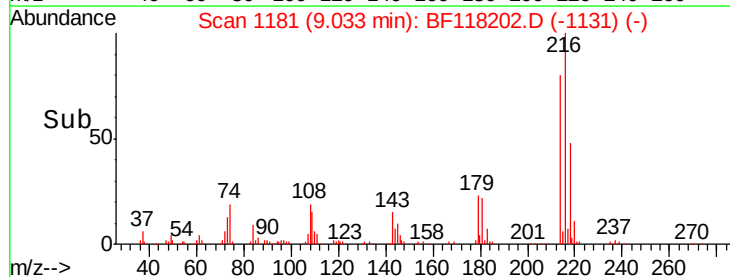
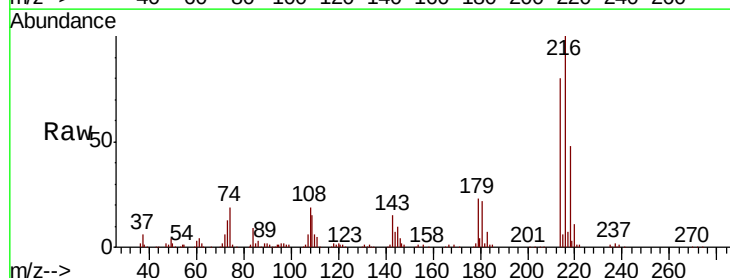
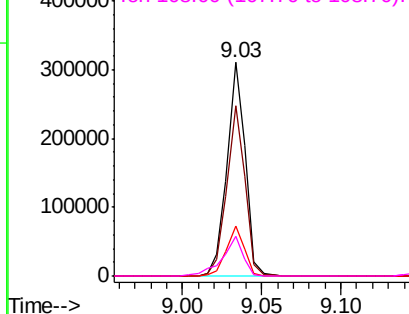
Abundance

Ion 216.00 (215.70 to 216.70): E

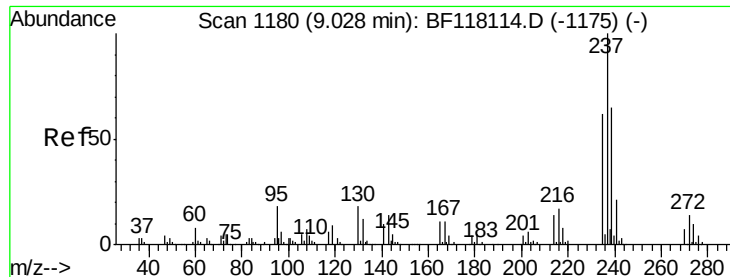
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







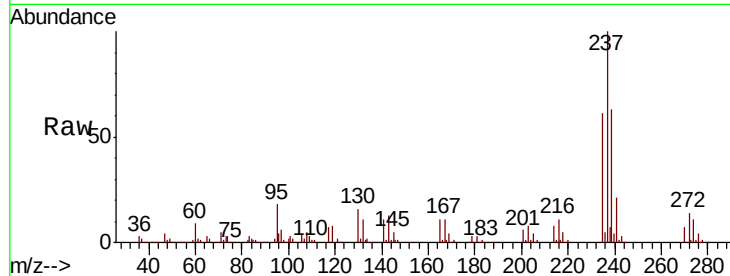
#41  
Hexachlorocyclopentadiene  
Concen: 93.585 ng  
RT: 9.02 min Scan# 1179  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

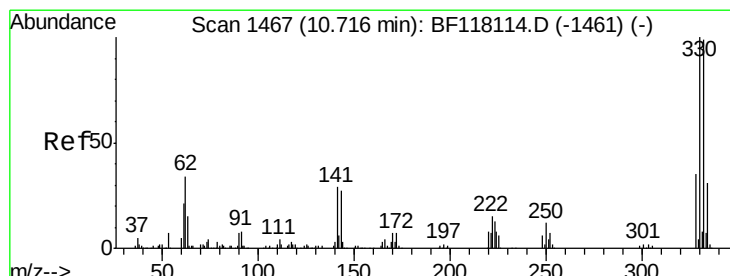
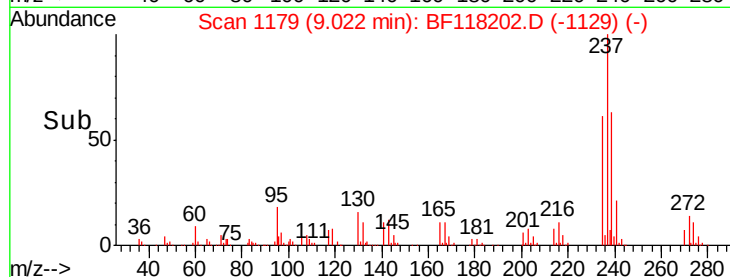
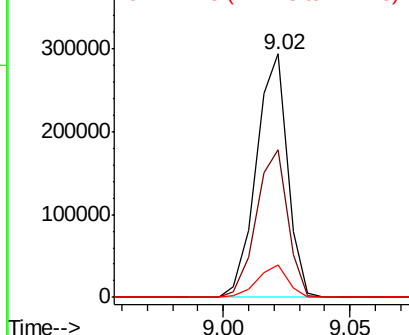
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 60.8  | 41.5       | 81.5  |
| 272     | 13.6  | 0.0        | 33.7  |

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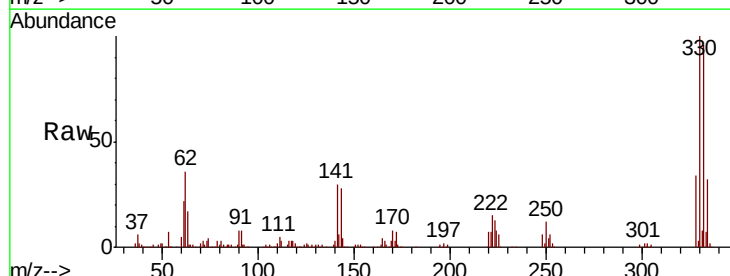


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

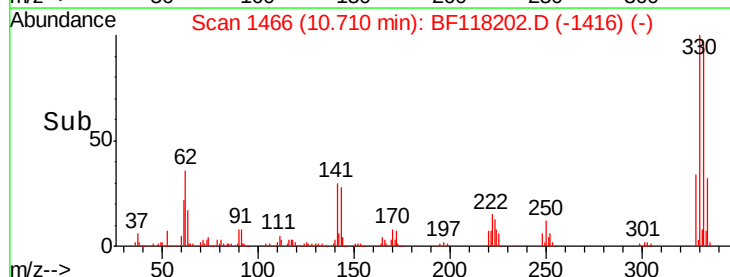
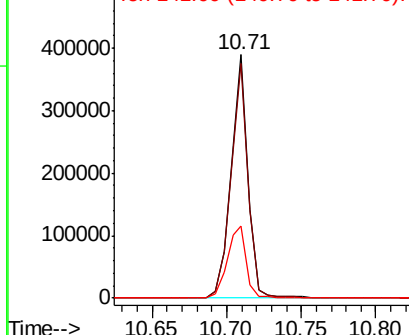


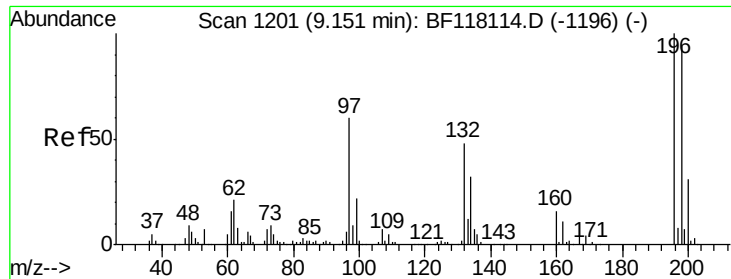
#42  
2,4,6-Tribromophenol  
Concen: 130.246 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 97.9  | 78.1       | 117.1 |
| 141     | 33.3  | 26.9       | 40.3  |



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





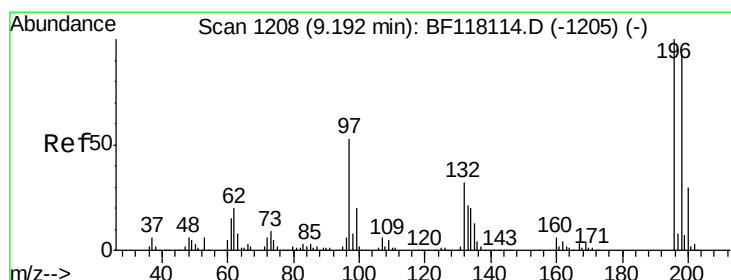
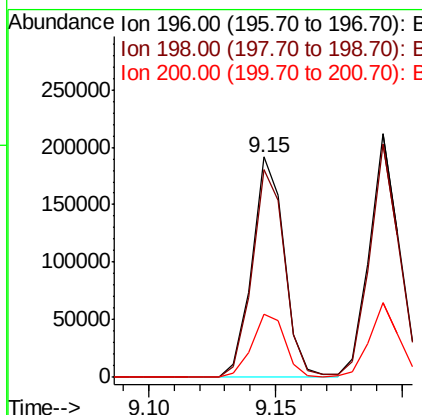
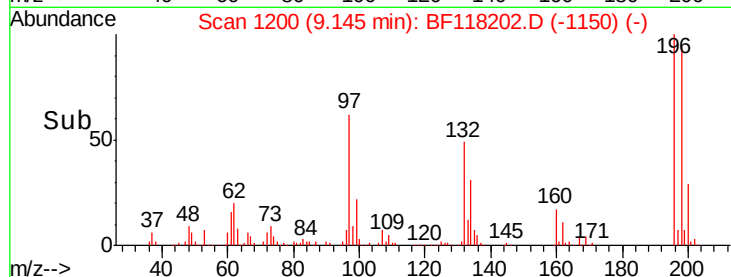
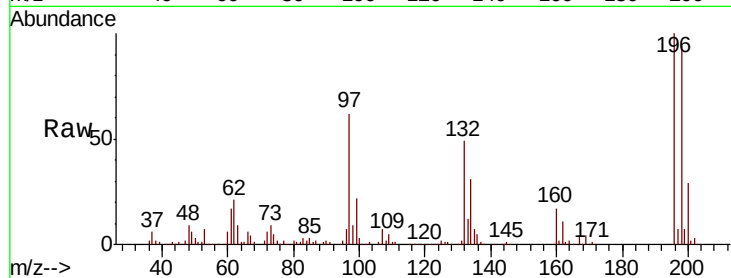
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.417 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 171363 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.5  | 75.0  | 112.4  |
| 200       | 28.9  | 24.5  | 36.7   |

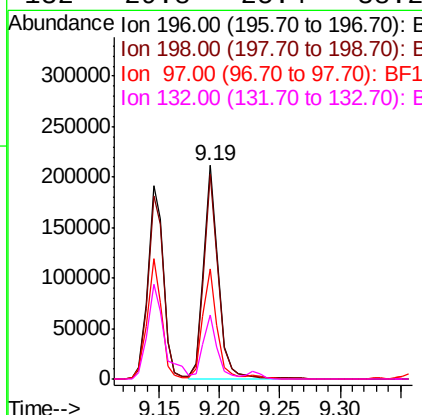
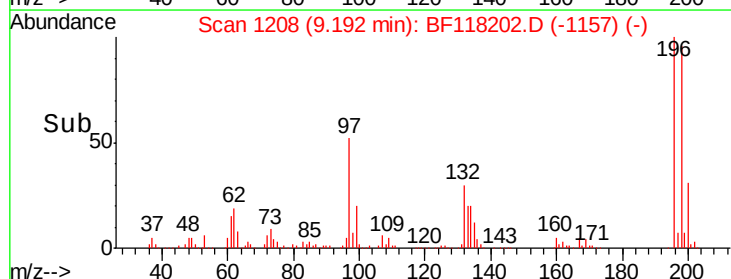
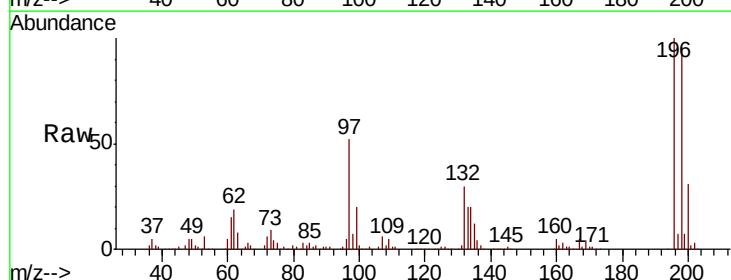
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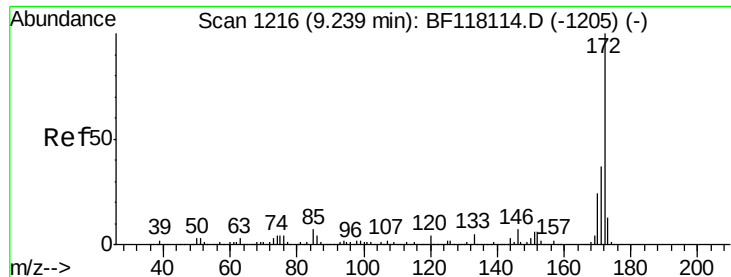
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#44  
 2,4,5-Trichlorophenol  
 Concen: 43.295 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.00 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 181211 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.6  | 74.2  | 111.4  |
| 97        | 51.5  | 42.5  | 63.7   |
| 132       | 29.8  | 25.4  | 38.2   |





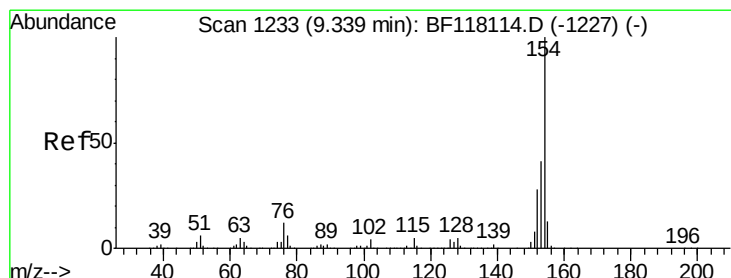
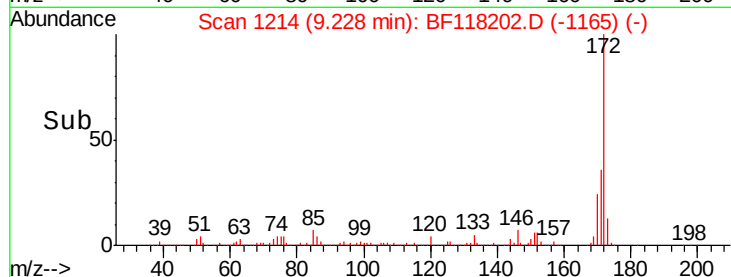
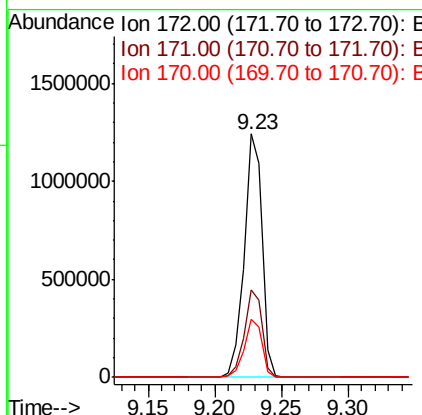
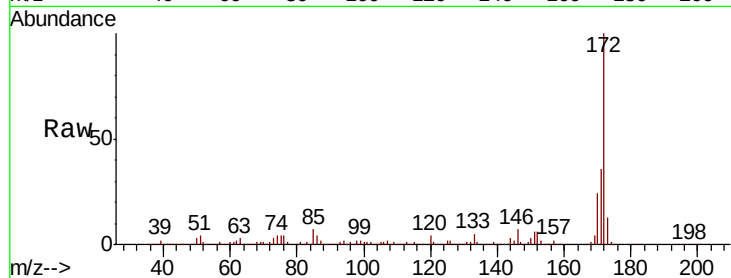
#45  
2-Fluorobiphenyl  
Concen: 86.803 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.2  | 43.8  |
| 170     | 24.0  | 19.4  | 29.2  |

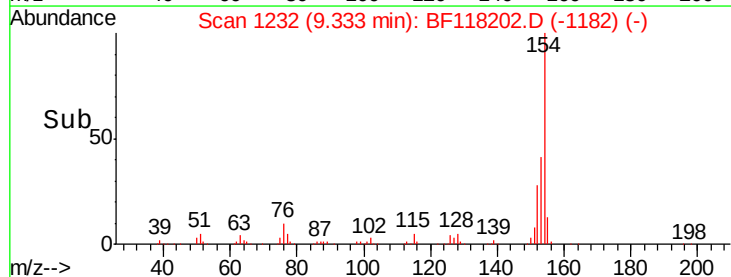
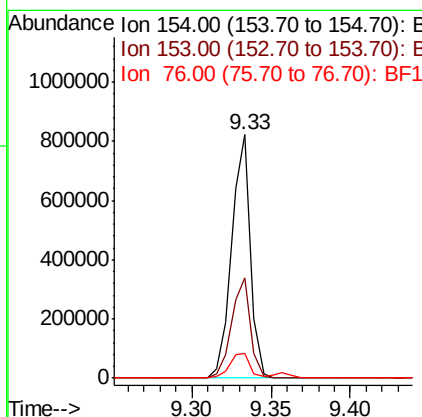
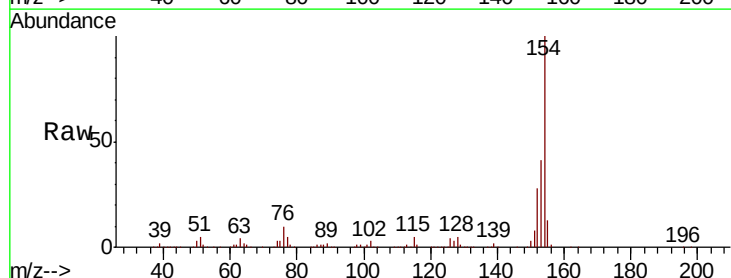
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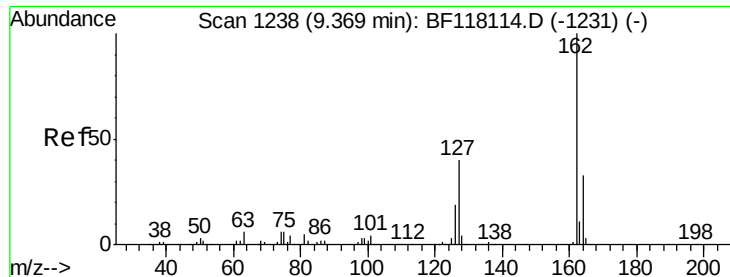
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#46  
1,1'-Biphenyl  
Concen: 42.821 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 20.7  | 60.7  |
| 76      | 10.0  | 0.0   | 31.9  |





#47

2-Chloronaphthalene

Concen: 41.235 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

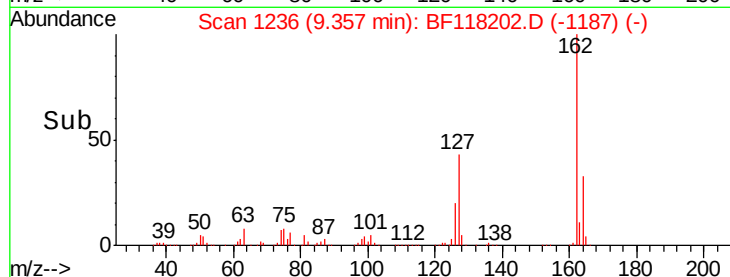
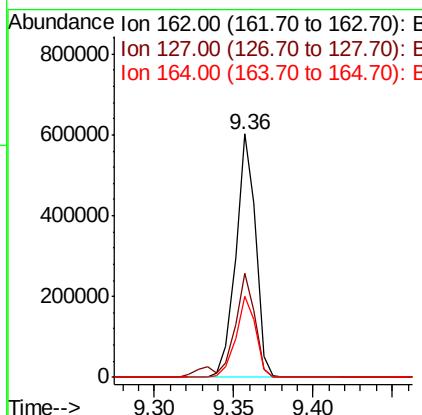
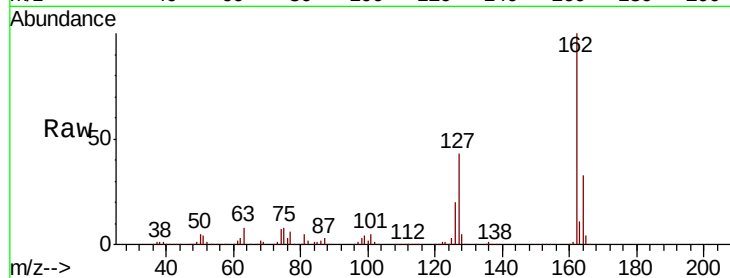
ClientSampleId :

HD-02-121219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 522518 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.7  | 32.0  | 48.0   |
| 164       | 33.0  | 26.1  | 39.1   |

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#48

2-Nitroaniline

Concen: 39.671 ng

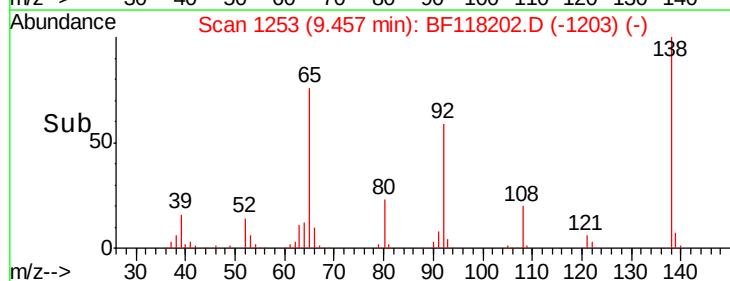
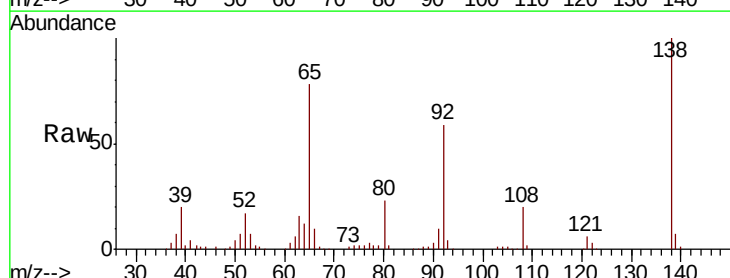
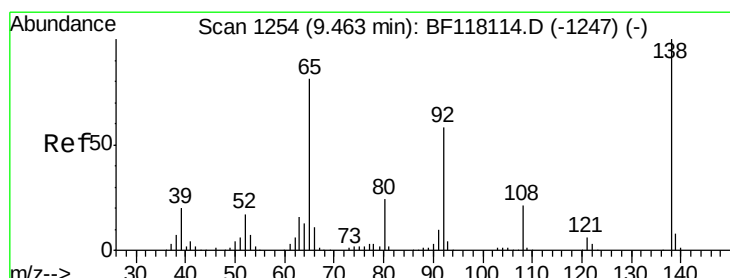
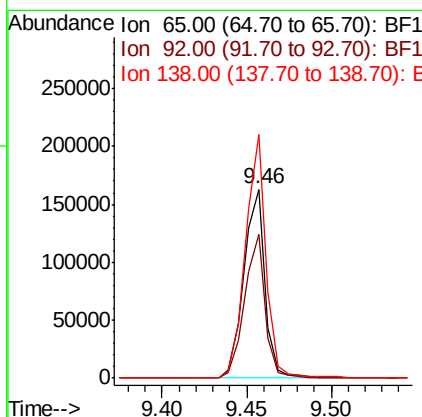
RT: 9.46 min Scan# 1253

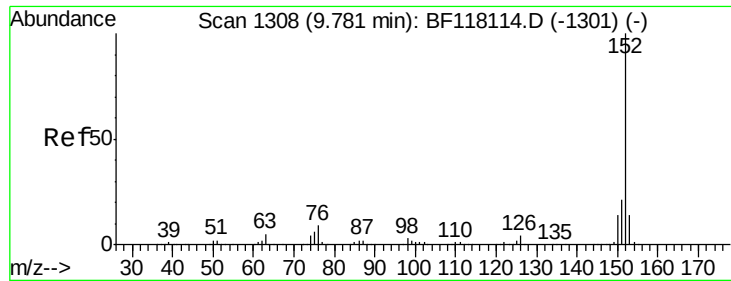
Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 143356 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 75.7  | 57.8  | 86.6   |
| 138       | 128.7 | 98.8  | 148.2  |





#49

Acenaphthylene

Concen: 44.722 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

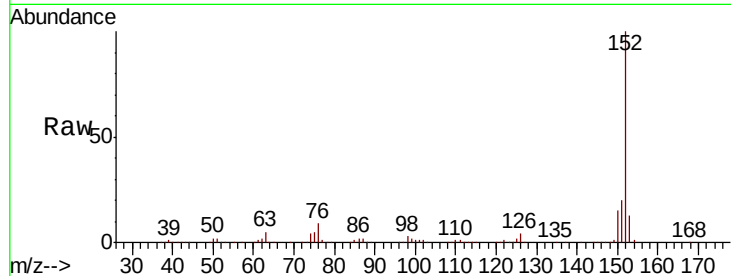
ClientSampleId :

HD-02-121219MS

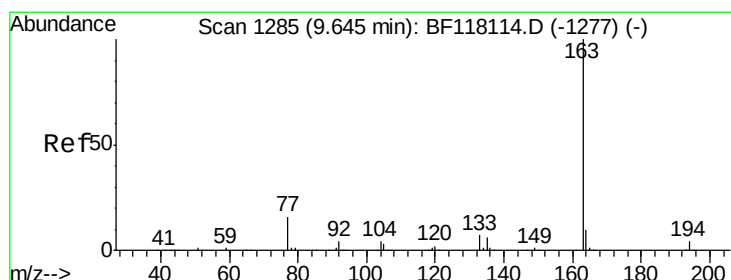
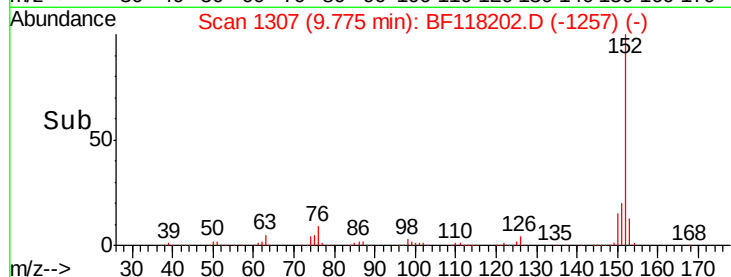
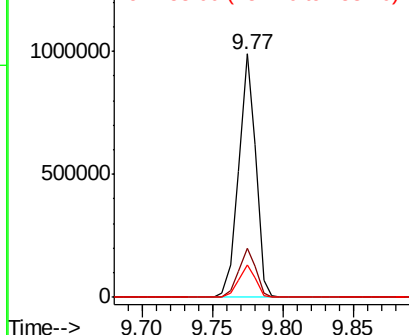
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 835850 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.0  | 16.4  | 24.6   |
| 153       | 13.2  | 10.8  | 16.2   |

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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: 45.183 ng

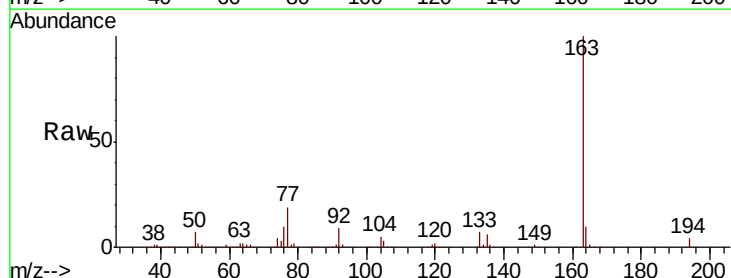
RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

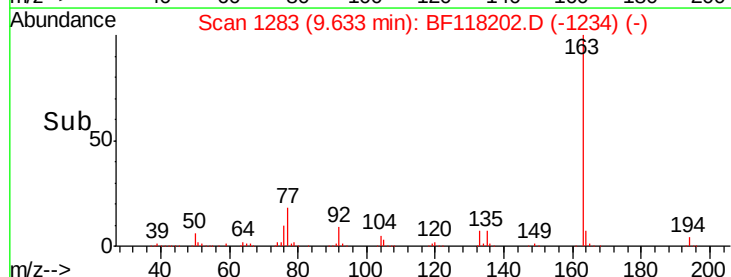
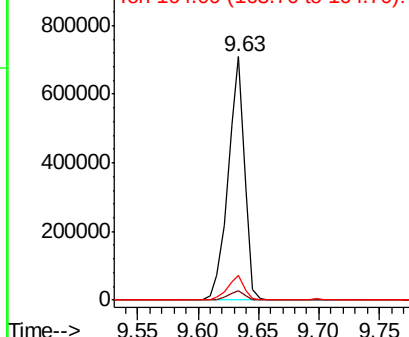
Lab File: BF118202.D

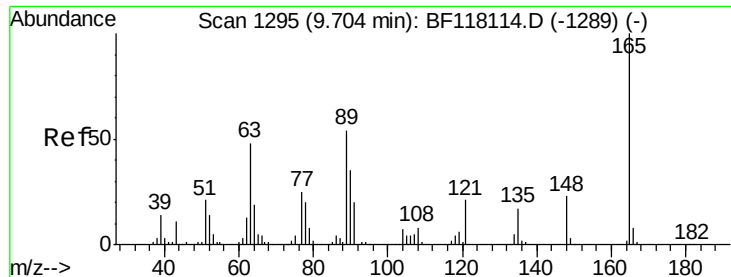
Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 666597 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.8   | 3.1   | 4.7    |
| 164       | 10.2  | 7.7   | 11.5   |



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





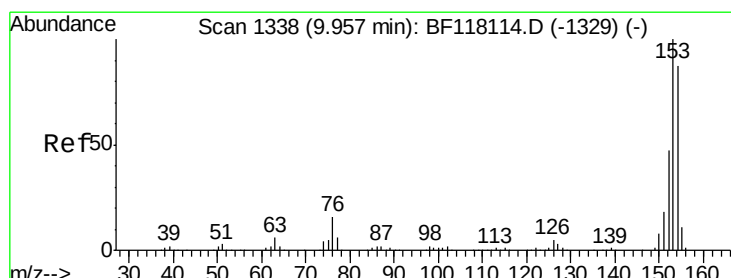
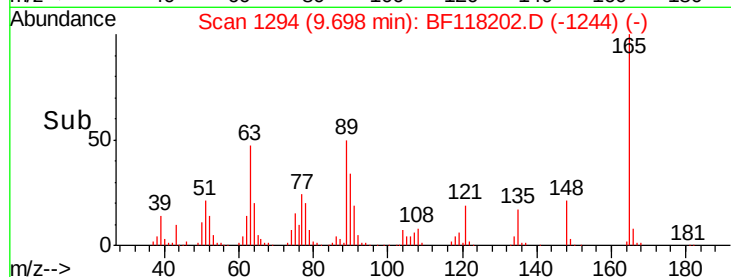
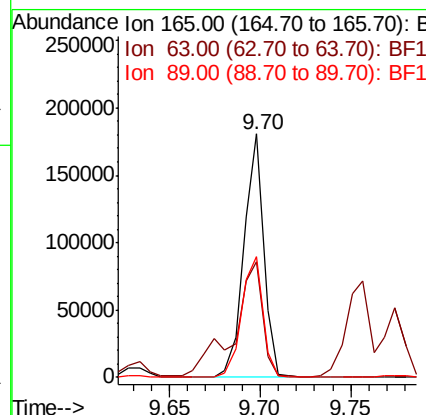
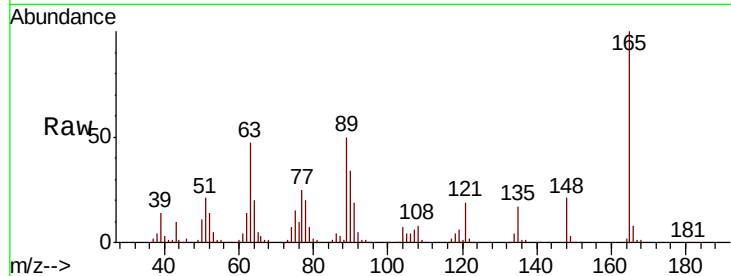
#51  
 2,6-Dinitrotoluene  
 Concen: 42.916 ng  
 RT: 9.70 min Scan# 1294  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 137676 |       |       |
| 63      | 47.3  |        | 41.4  | 62.0  |
| 89      | 49.8  |        | 42.9  | 64.3  |

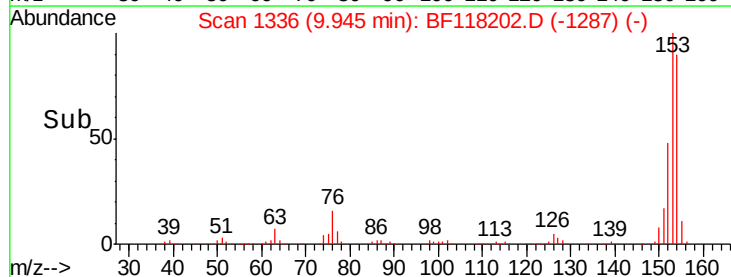
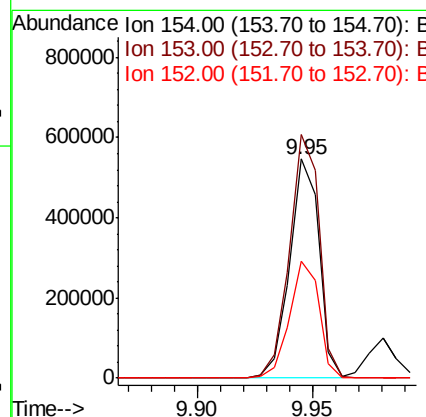
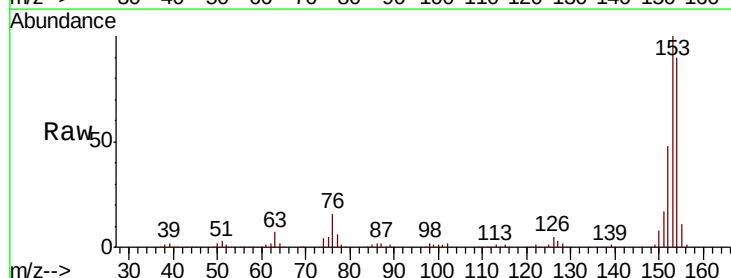
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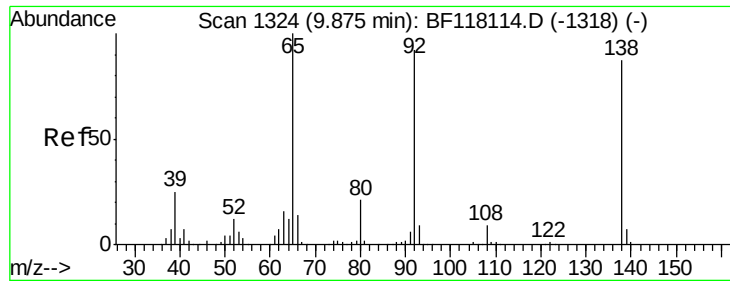
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#52  
 Acenaphthene  
 Concen: 42.198 ng  
 RT: 9.95 min Scan# 1336  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 481384 |       |       |
| 153     | 111.3 |        | 91.8  | 137.6 |
| 152     | 53.4  |        | 43.3  | 64.9  |





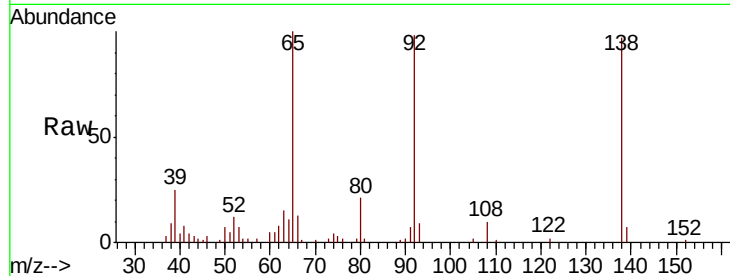
#53  
3-Nitroaniline  
Concen: 8.547 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.7  | 8.2   | 12.4  |
| 92      | 100.5 | 84.9  | 127.3 |

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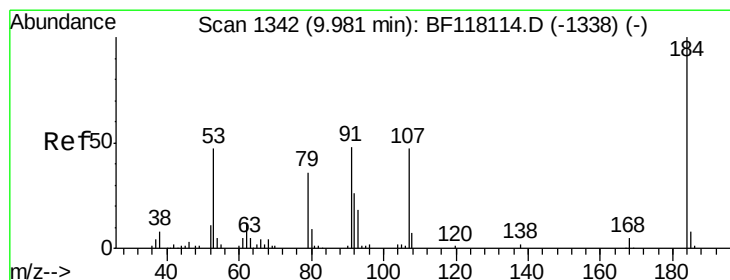
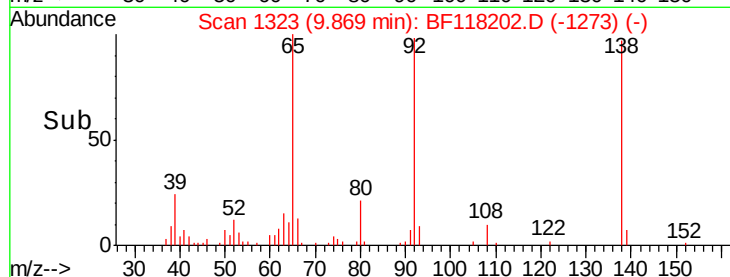
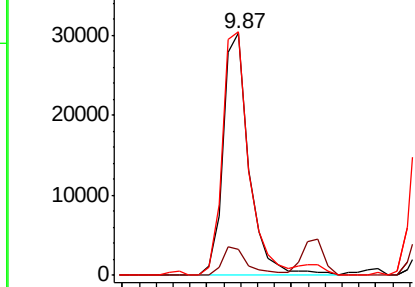


Abundance

Ion 138.00 (137.70 to 138.70): E

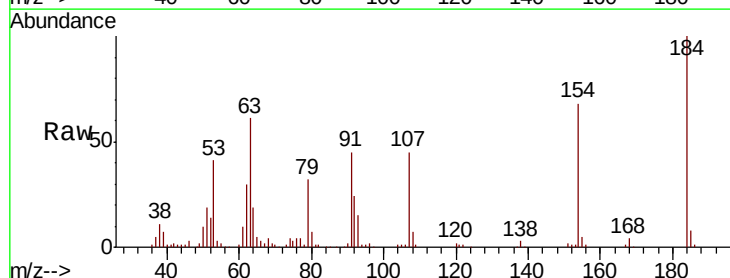
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 84.649 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 60.8  | 53.9  | 80.9  |
| 154     | 67.6  | 56.3  | 84.5  |

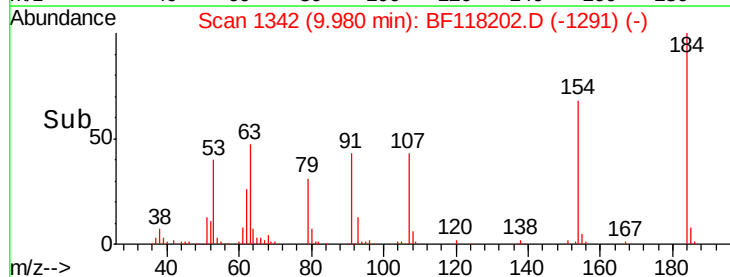
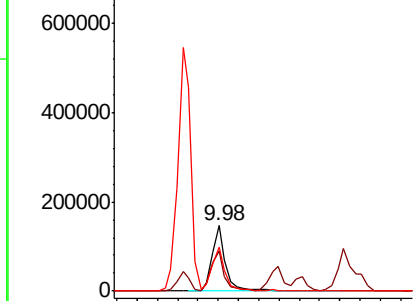


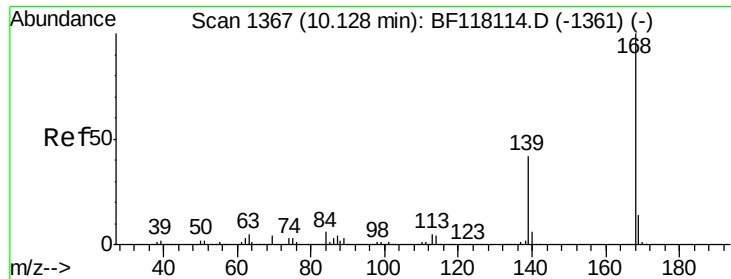
Abundance

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





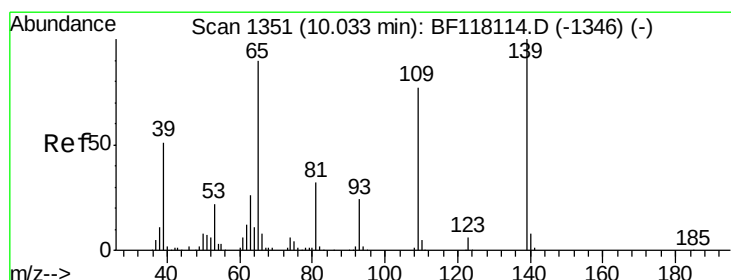
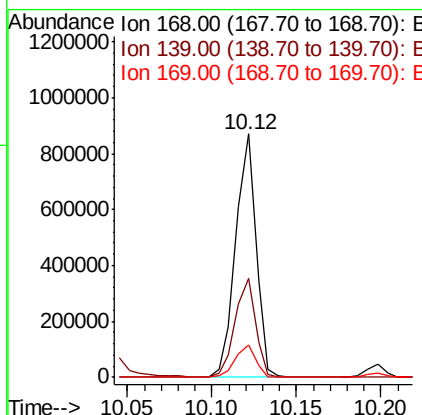
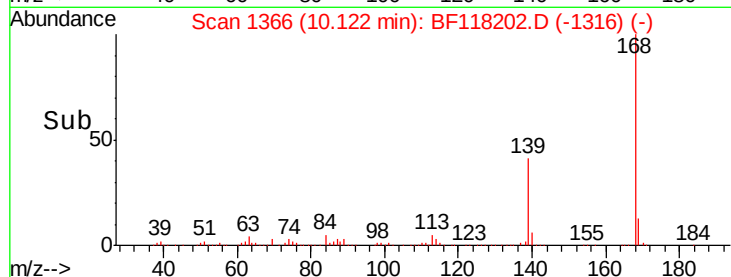
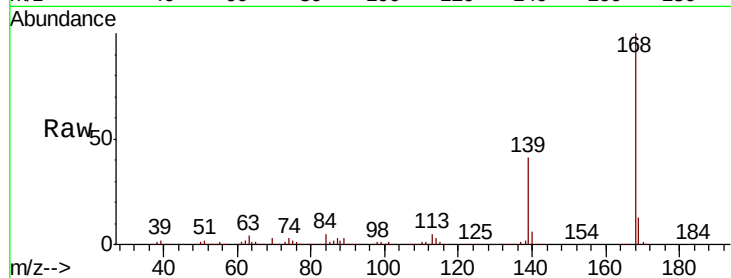
#55  
Dibenzofuran  
Concen: 43.804 ng  
RT: 10.12 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.8  | 33.4  | 50.0  |
| 169     | 13.3  | 11.0  | 16.6  |

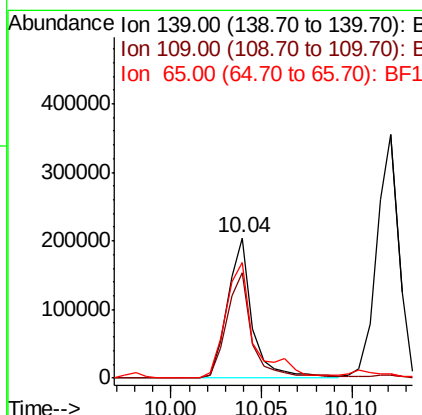
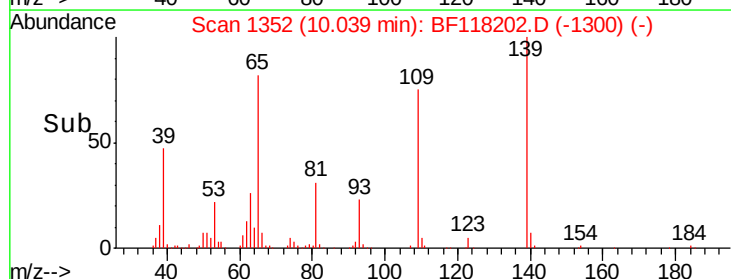
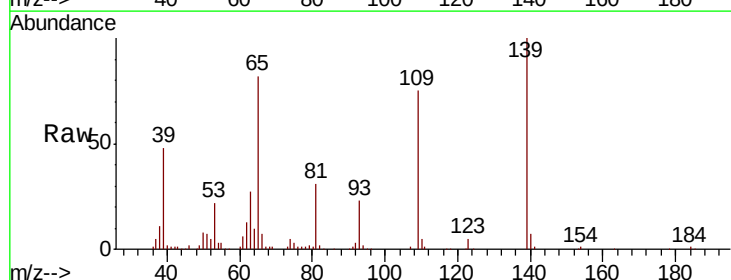
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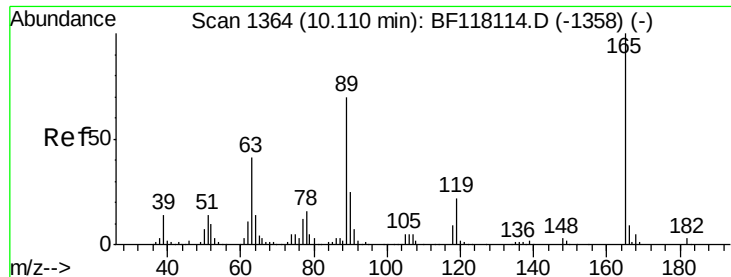


#56  
4-Nitrophenol  
Concen: 74.832 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 74.7  | 57.3  | 97.3  |
| 65      | 82.4  | 70.2  | 110.2 |







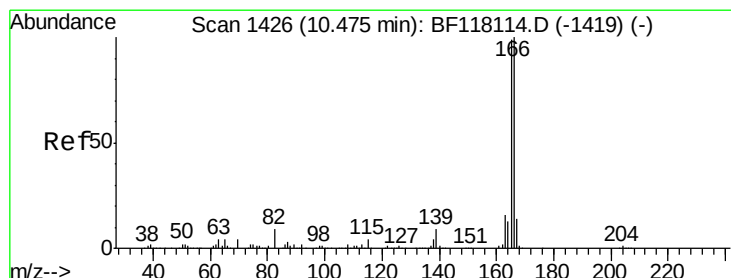
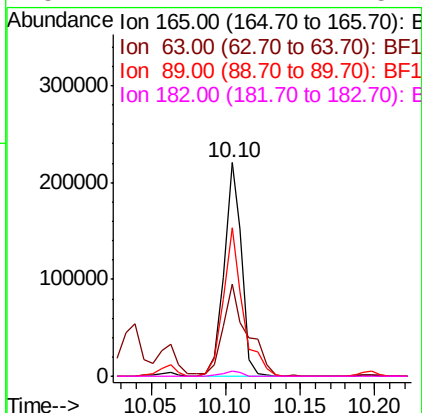
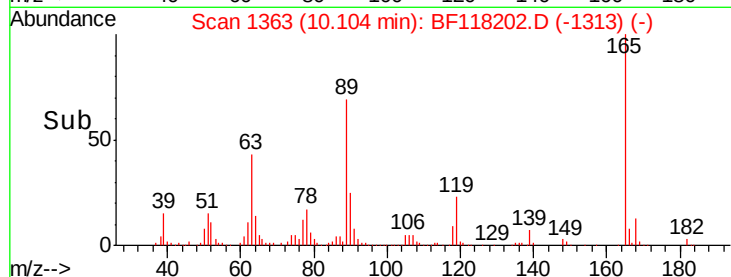
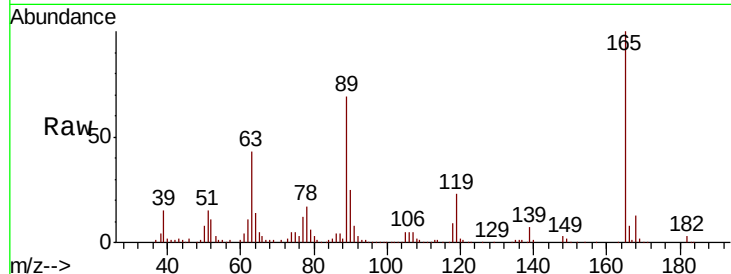
#57  
2,4-Dinitrotoluene  
Concen: 42.856 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 183504 |       |       |
| 63      | 43.2 | 32.6  | 49.0   |       |       |
| 89      | 69.3 | 56.1  | 84.1   |       |       |
| 182     | 2.7  | 2.1   | 3.1    |       |       |

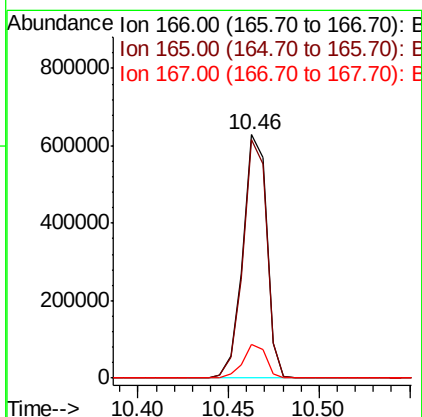
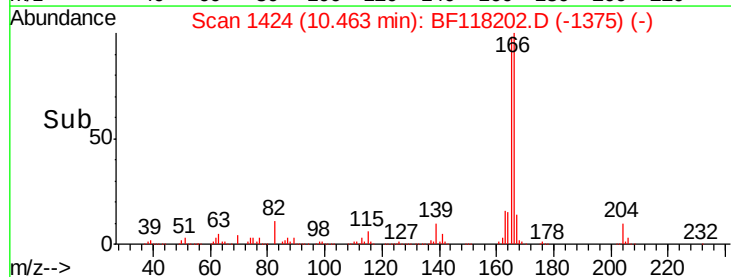
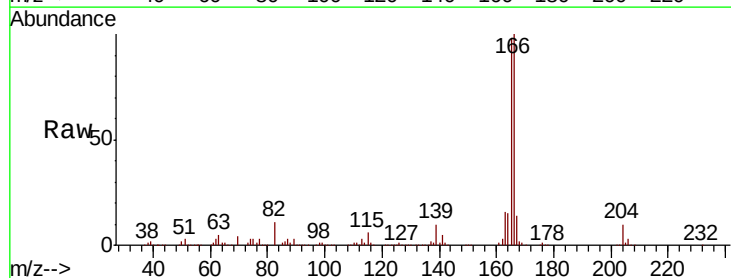
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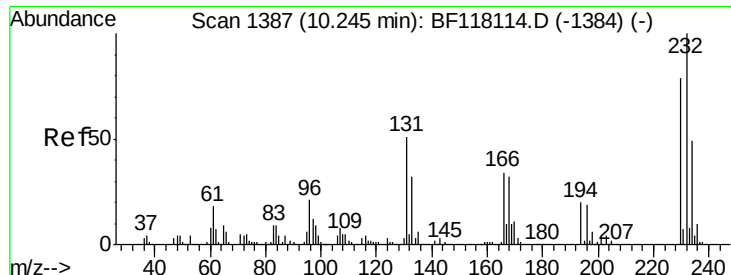
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#58  
Fluorene  
Concen: 43.403 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 576554 |       |       |
| 165     | 97.7 | 79.0  | 118.4  |       |       |
| 167     | 13.6 | 10.9  | 16.3   |       |       |





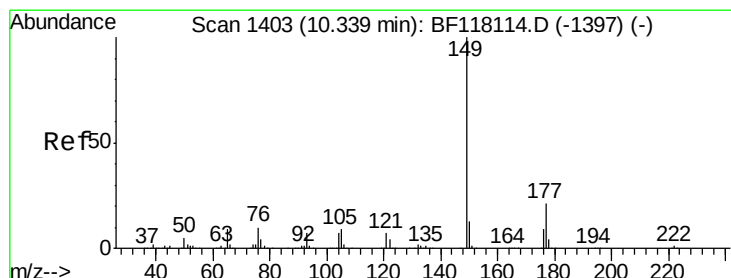
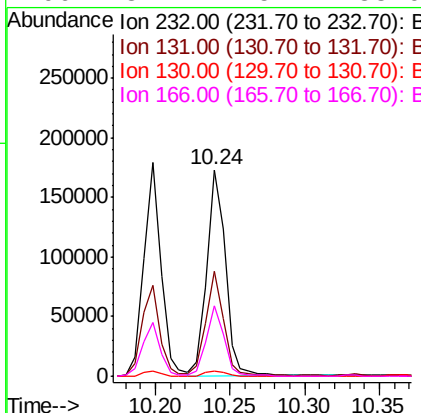
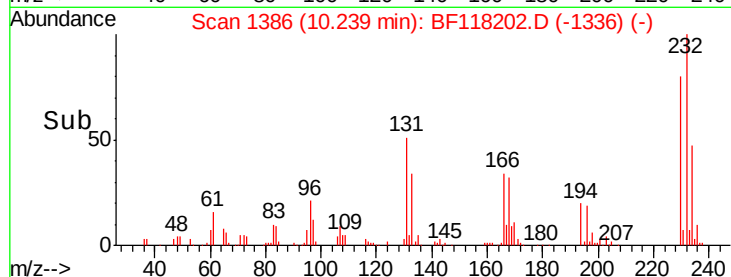
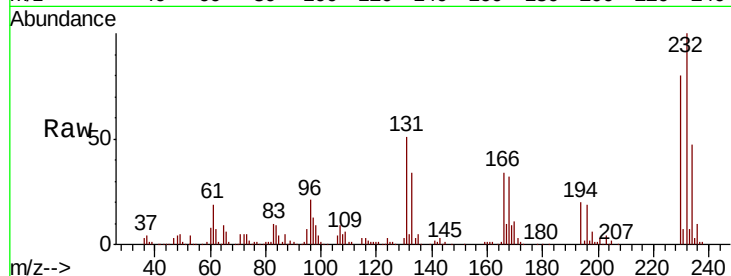
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.455 ng  
 RT: 10.24 min Scan# 1386  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 150054 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 48.0  | 38.8  | 58.2   |
| 130       | 2.7   | 1.9   | 2.9    |
| 166       | 32.2  | 25.4  | 38.0   |

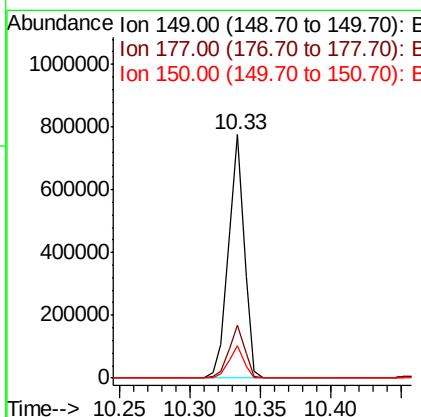
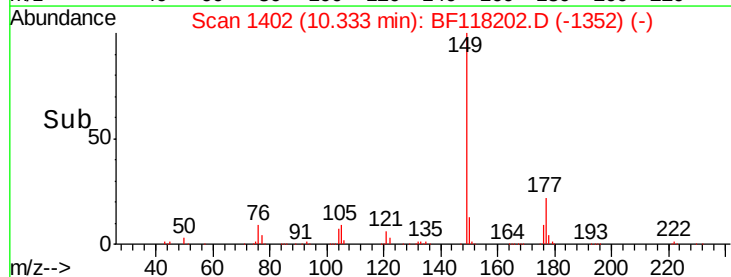
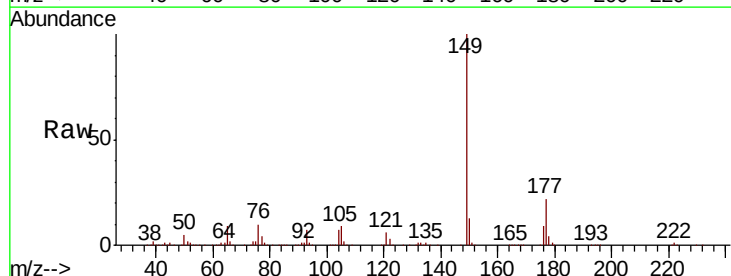
Manual Integrations  
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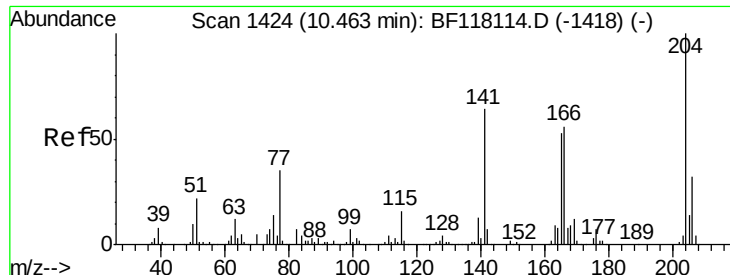
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#60  
 Diethylphthalate  
 Concen: 41.820 ng  
 RT: 10.33 min Scan# 1402  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 607883 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.9  | 17.0  | 25.4   |
| 150       | 13.2  | 10.1  | 15.1   |





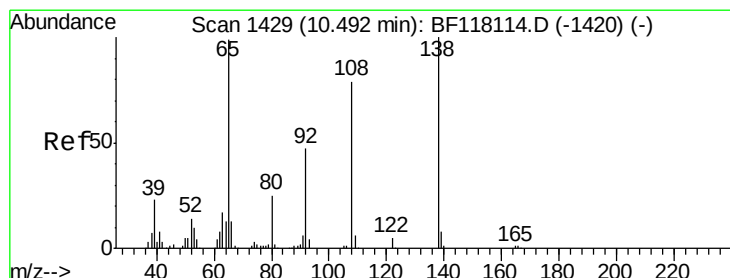
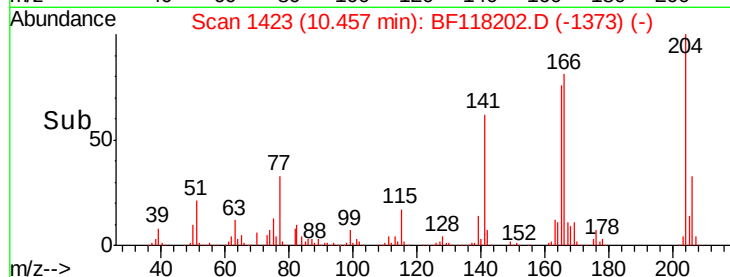
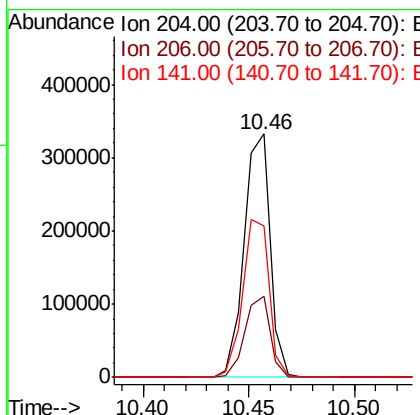
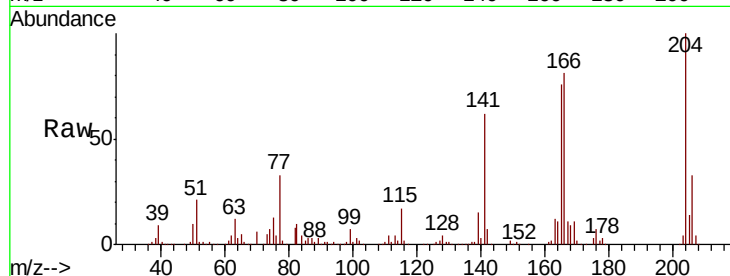
#61  
4-Chlorophenyl-phenylether  
Concen: 42.597 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.1  | 26.0  | 39.0  |
| 141     | 62.0  | 51.0  | 76.6  |

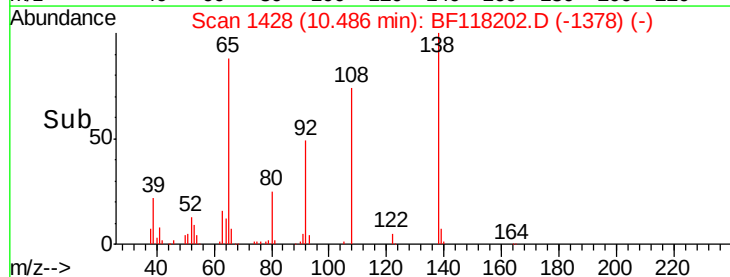
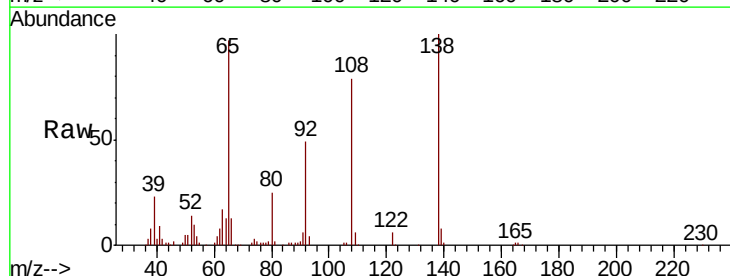
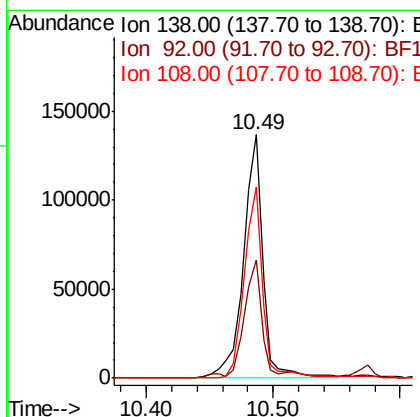
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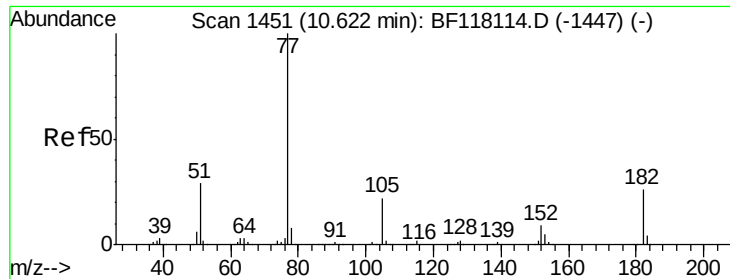
mohammad  
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#62  
4-Nitroaniline  
Concen: 36.891 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.7  | 27.1  | 67.1  |
| 108     | 78.6  | 59.0  | 99.0  |





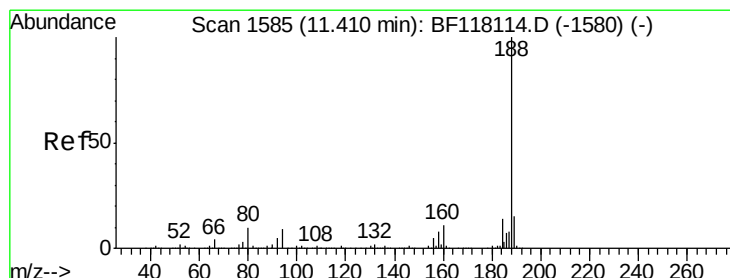
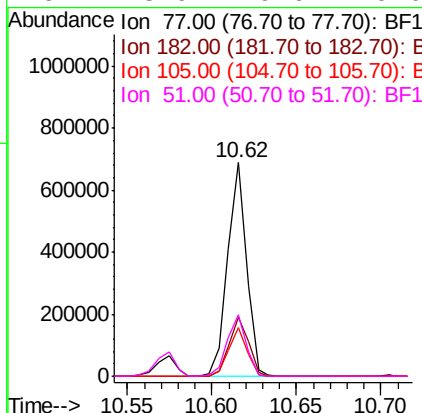
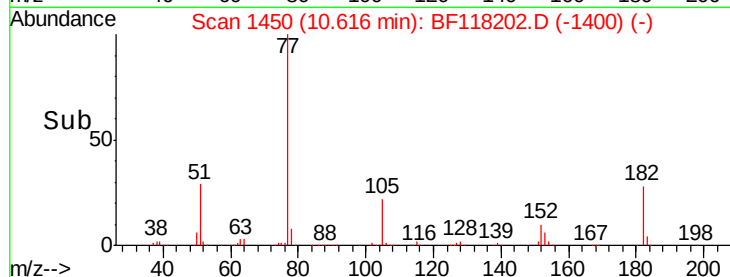
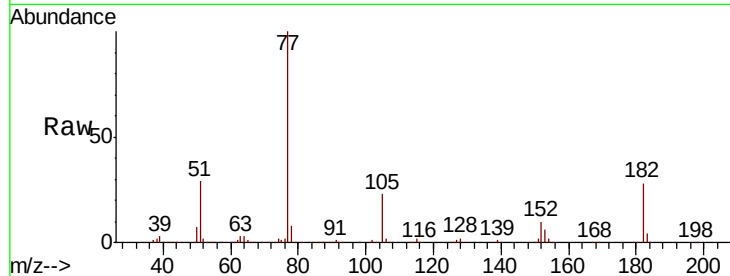
#63  
Azobenzene  
Concen: 43.075 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 534505 |       |       |
| 182     | 27.8 | 5.7   | 45.7   |       |       |
| 105     | 23.1 | 2.2   | 42.2   |       |       |
| 51      | 28.9 | 9.6   | 49.6   |       |       |

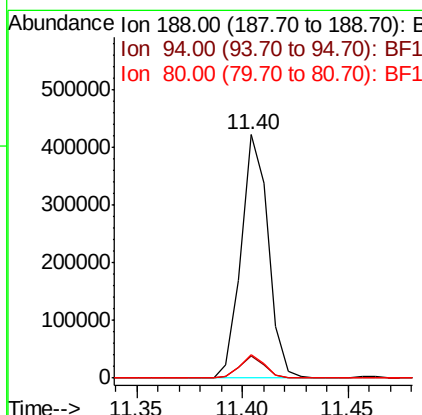
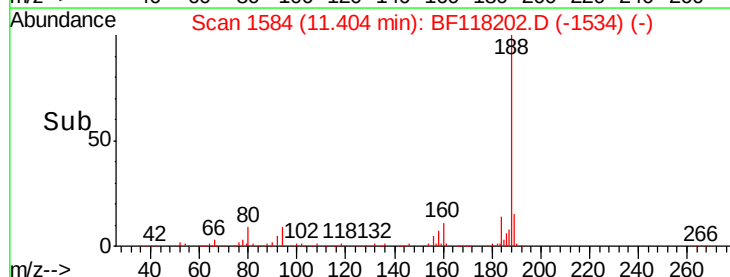
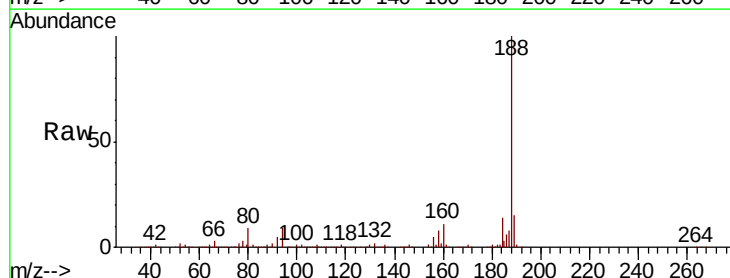
Manual Integrations  
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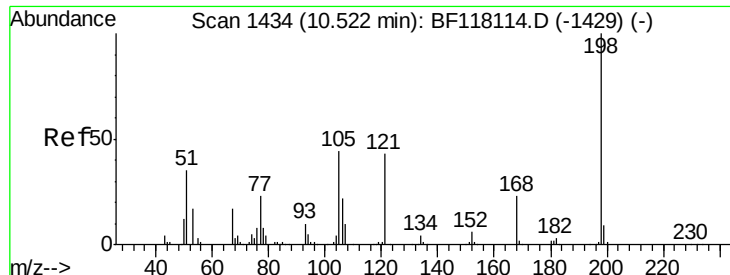
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 375022 |       |       |
| 94      | 9.0 | 7.1   | 10.7   |       |       |
| 80      | 9.4 | 7.9   | 11.9   |       |       |





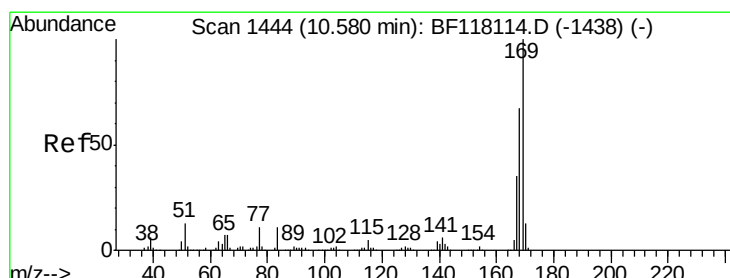
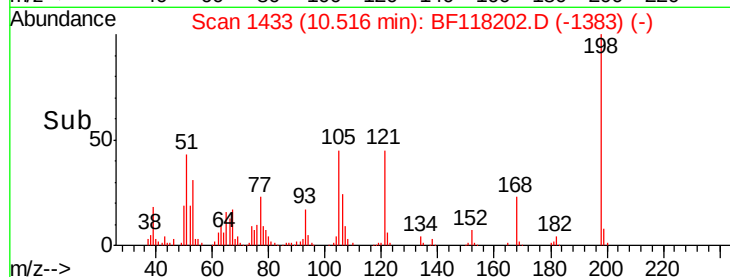
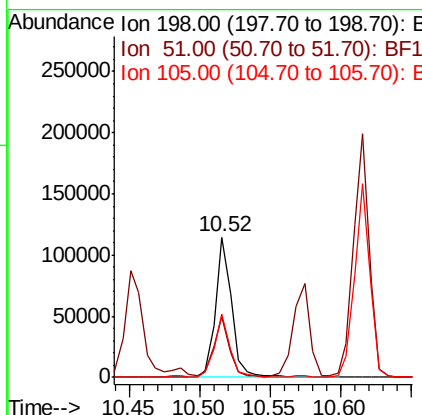
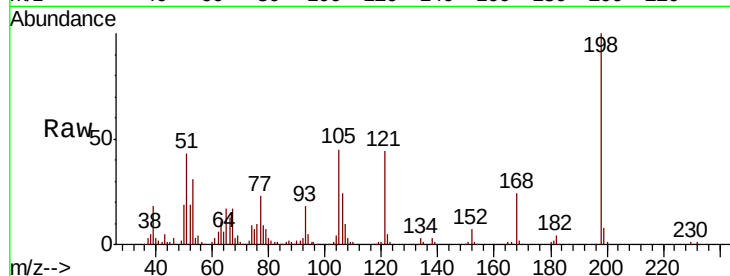
#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.941 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 43.1  | 22.0  | 62.0  |
| 105     | 45.0  | 25.6  | 65.6  |

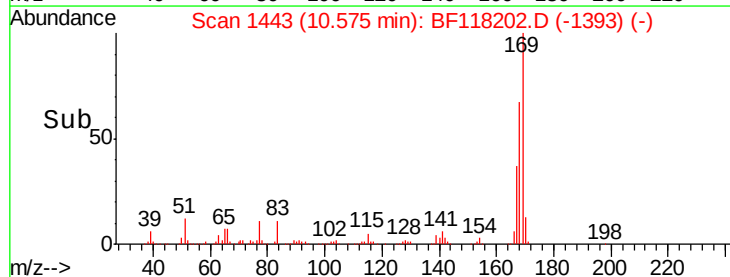
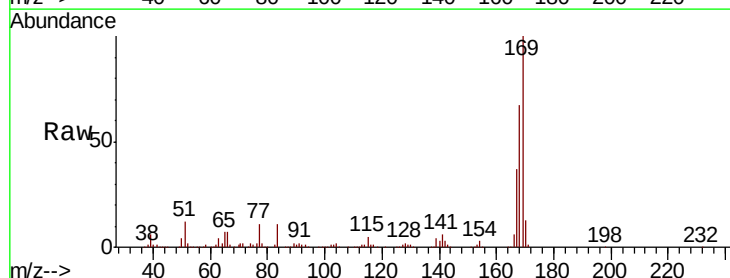
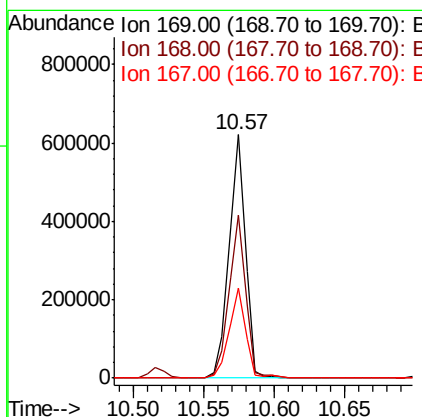
Manual Integrations  
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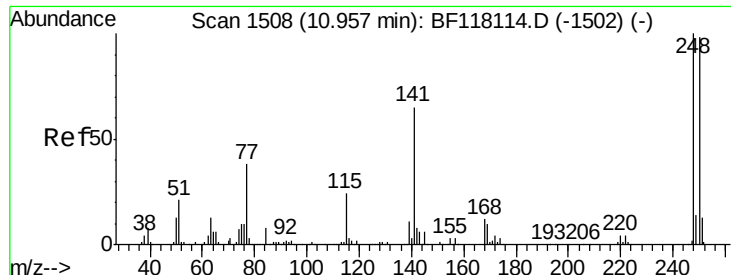
mohammad  
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#66  
n-Nitrosodiphenylamine  
Concen: 43.061 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.1  | 53.4  | 80.2  |
| 167     | 37.0  | 28.4  | 42.6  |





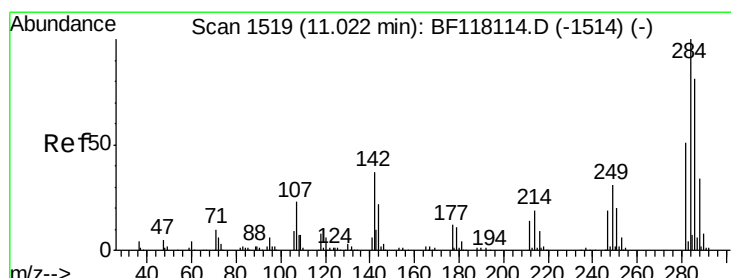
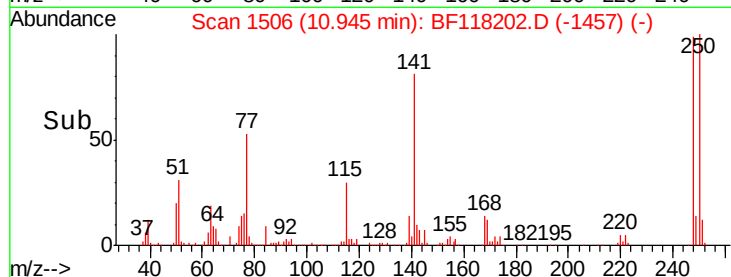
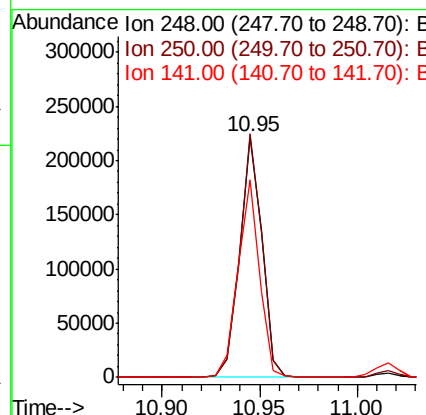
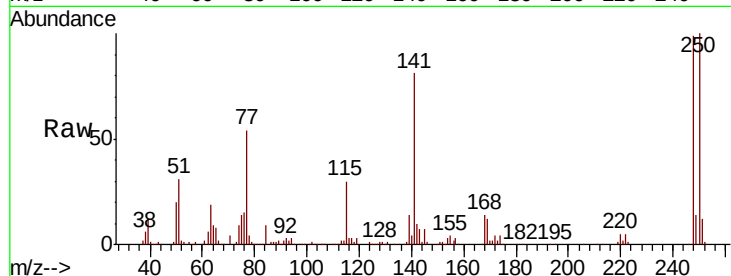
#67  
4-Bromophenyl-phenylether  
Concen: 41.154 ng  
RT: 10.95 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 101.5 | 78.3  | 117.5 |
| 141     | 82.4  | 52.2  | 78.4  |

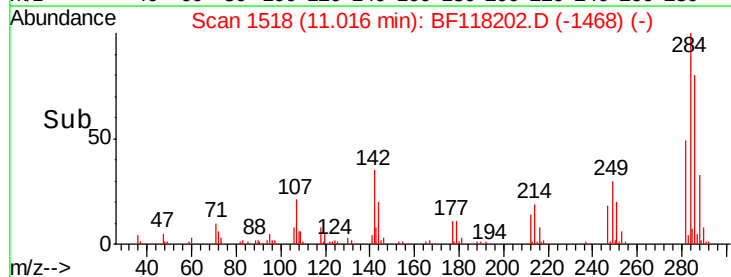
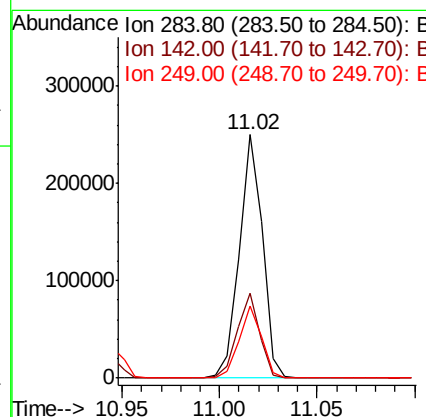
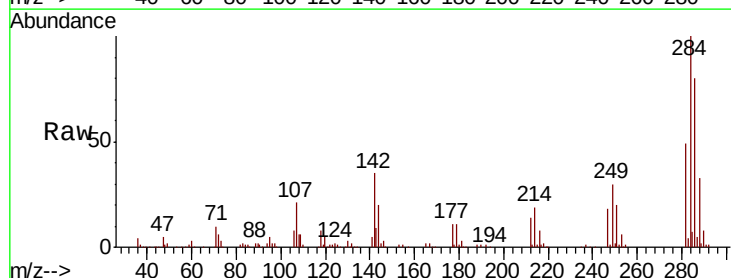
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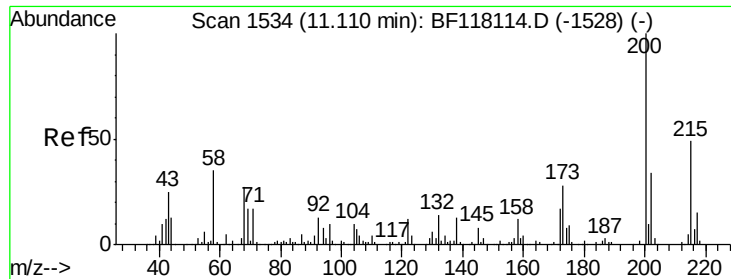
mohammad  
12/17/2019 3:19:23 PM



#68  
Hexachlorobenzene  
Concen: 40.737 ng  
RT: 11.02 min Scan# 1518  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.8  | 29.7  | 44.5  |
| 249     | 29.8  | 24.6  | 37.0  |





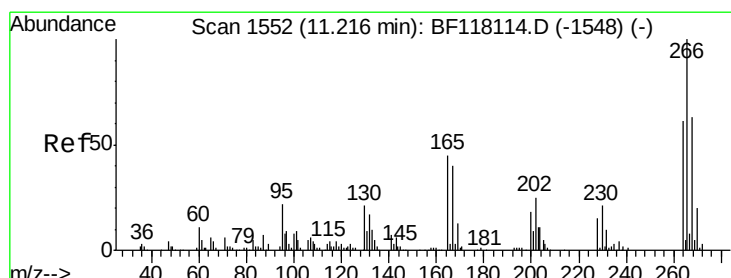
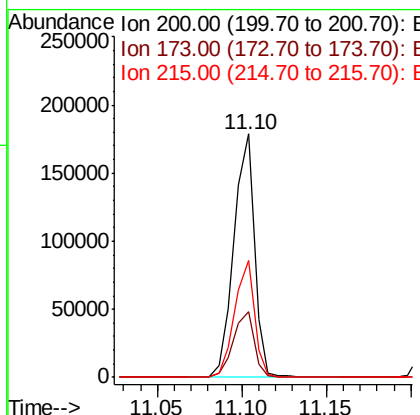
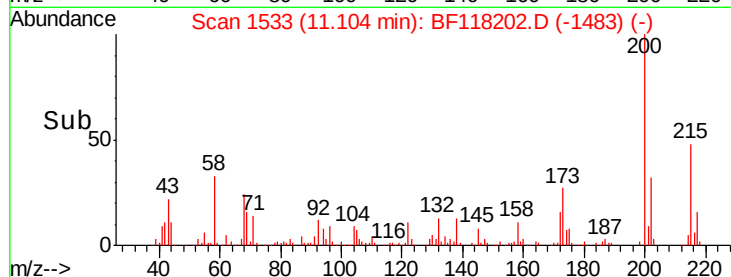
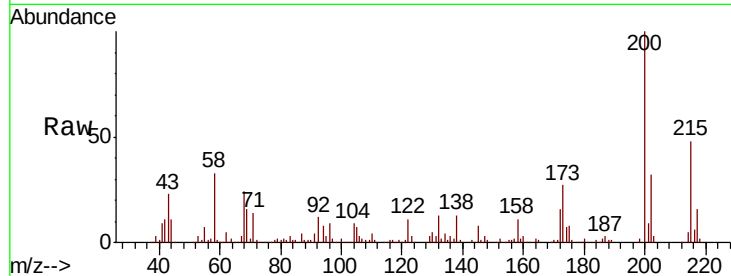
#69  
Atrazine  
Concen: 50.851 ng  
RT: 11.10 min Scan# 1533  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 151587 |       |       |
| 173     | 27.2  | 8.1    | 48.1  |       |
| 215     | 48.3  | 29.0   | 69.0  |       |

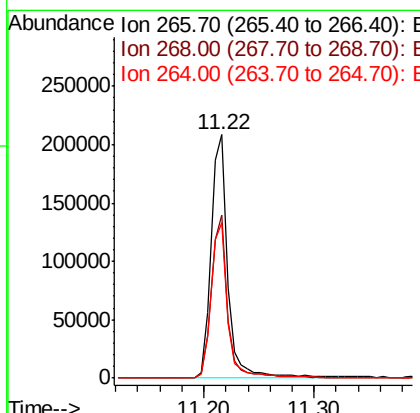
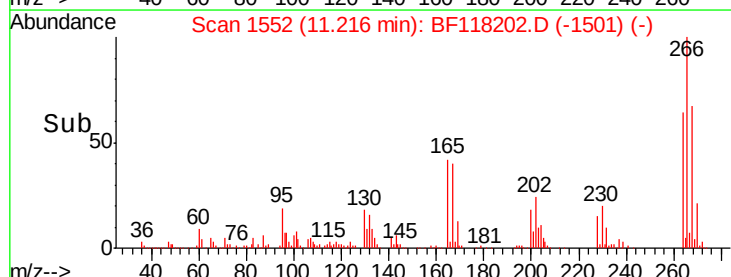
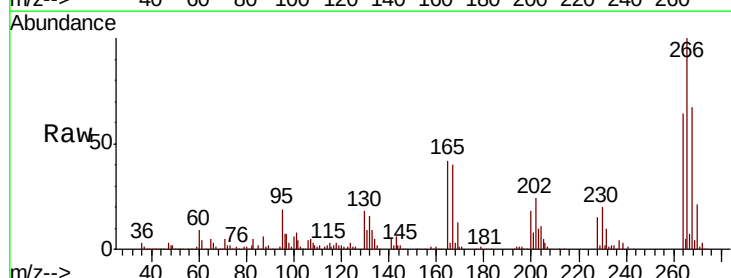
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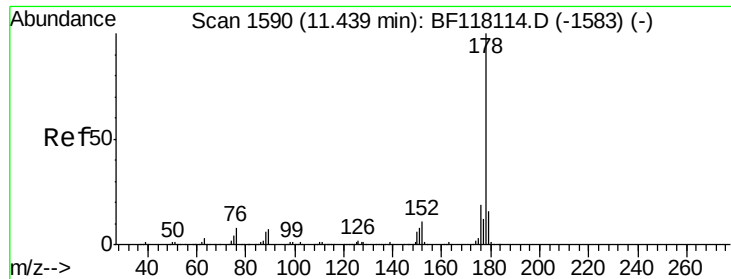
mohammad  
12/17/2019 3:19:23 PM



#70  
Pentachlorophenol  
Concen: 90.801 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 215161 |       |       |
| 268     | 66.7  | 50.7   | 76.1  |       |
| 264     | 63.8  | 48.7   | 73.1  |       |





#71

Phenanthrene

Concen: 43.225 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

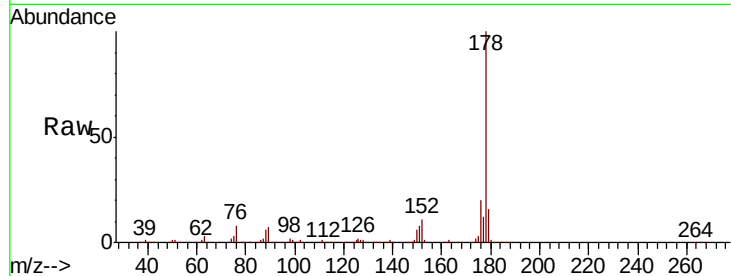
ClientSampleId :

HD-02-121219MS

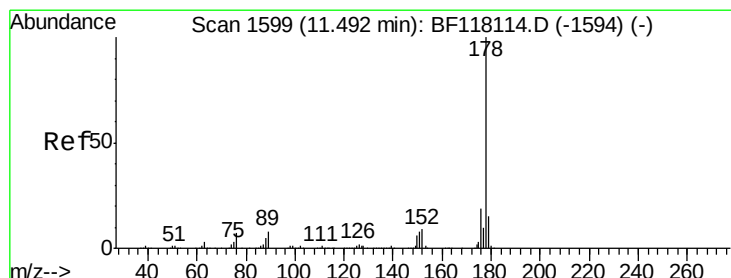
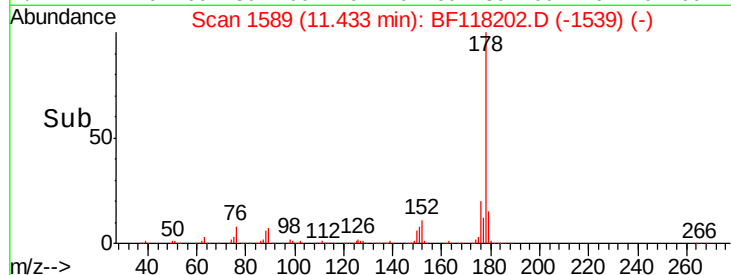
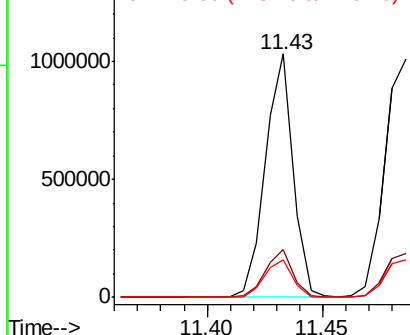
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 861730 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.6  | 15.5  | 23.3   |
| 179       | 15.5  | 12.6  | 18.8   |

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



#72

Anthracene

Concen: 45.166 ng

RT: 11.49 min Scan# 1598

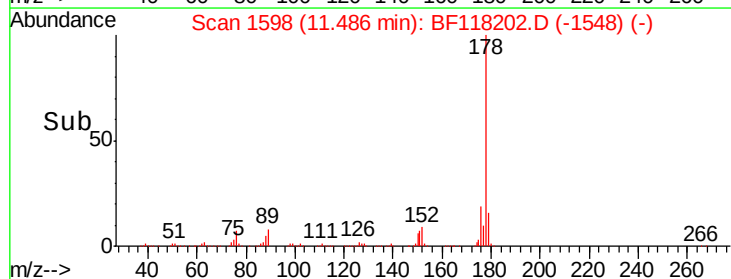
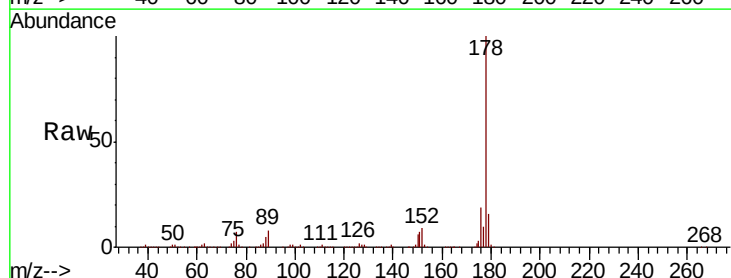
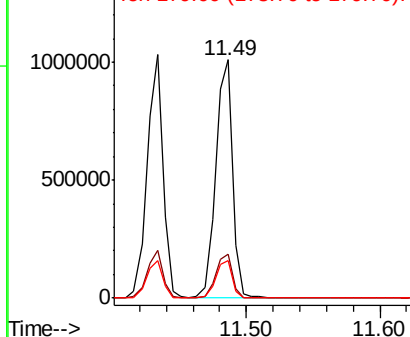
Delta R.T. -0.01 min

Lab File: BF118202.D

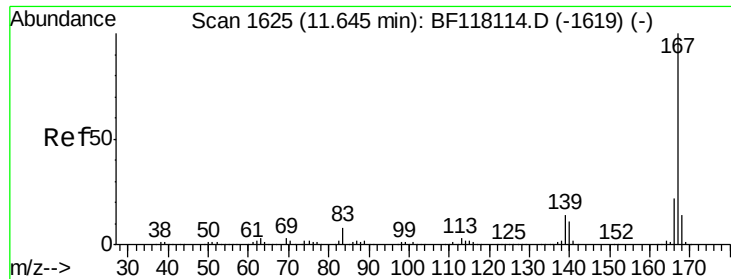
Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 898242 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 18.6  | 15.0  | 22.6   |
| 179       | 15.7  | 12.2  | 18.4   |

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







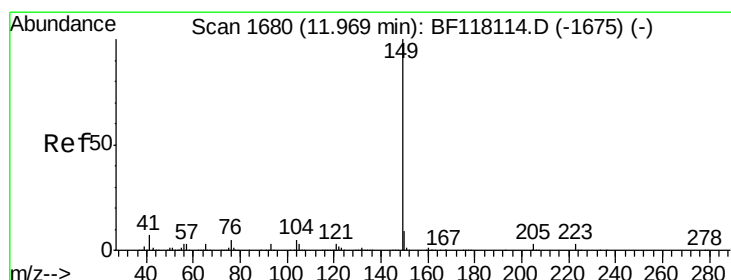
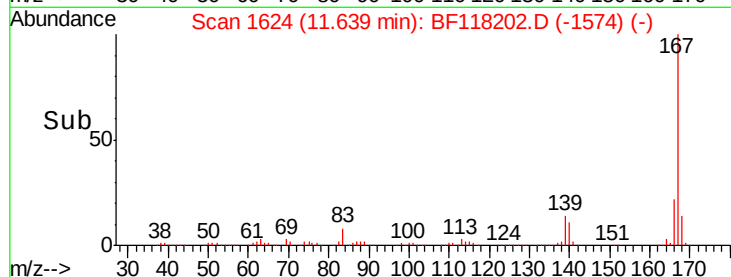
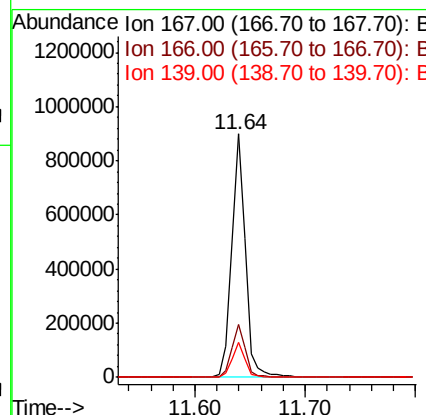
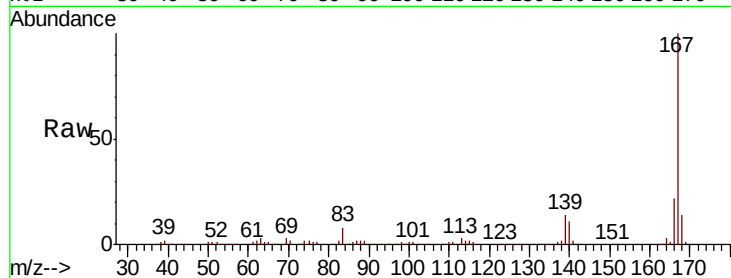
#73  
 Carbazole  
 Concen: 44.140 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 787614 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 21.9  | 17.4  | 26.2   |
| 139       | 14.4  | 11.4  | 17.0   |

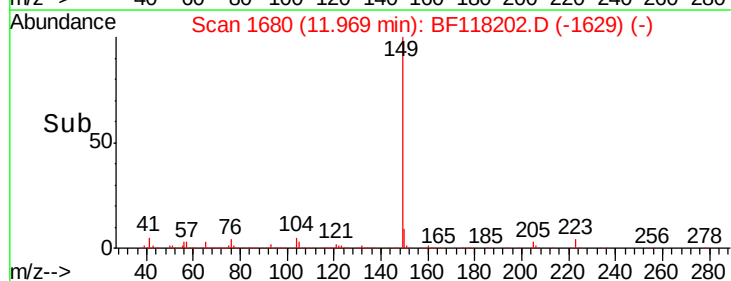
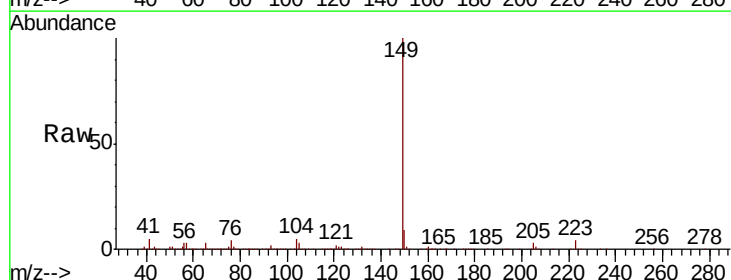
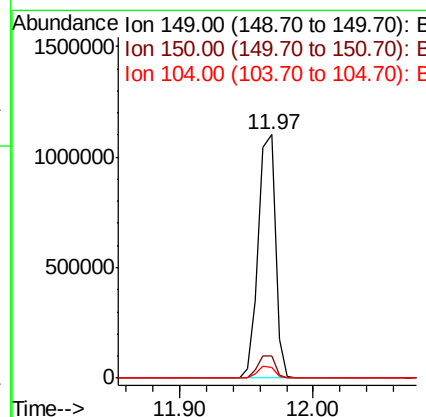
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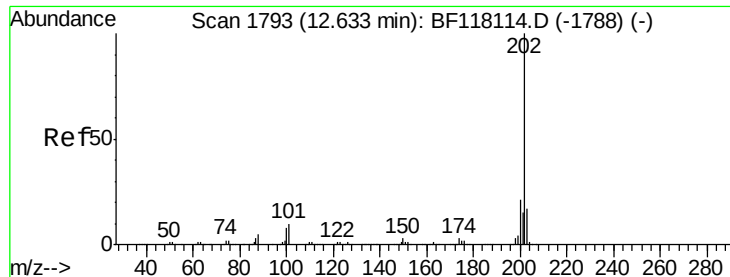
mohammad  
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#74  
 Di-n-butylphthalate  
 Concen: 43.343 ng  
 RT: 11.97 min Scan# 1680  
 Delta R.T. -0.00 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 967893 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 8.9   | 7.4   | 11.2   |
| 104       | 4.6   | 4.3   | 6.5    |





#75

Fluoranthene

Concen: 44.213 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

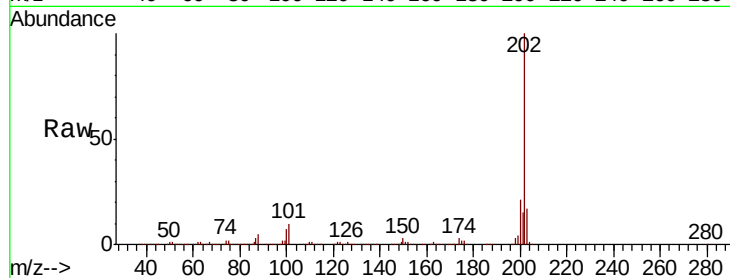
ClientSampleId :

HD-02-121219MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 901166 |       |       |
| 101     | 9.9   | 0.0    | 30.4  |       |
| 203     | 17.4  | 0.0    | 37.2  |       |

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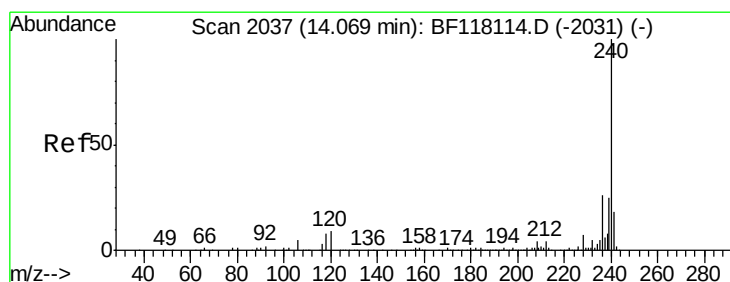
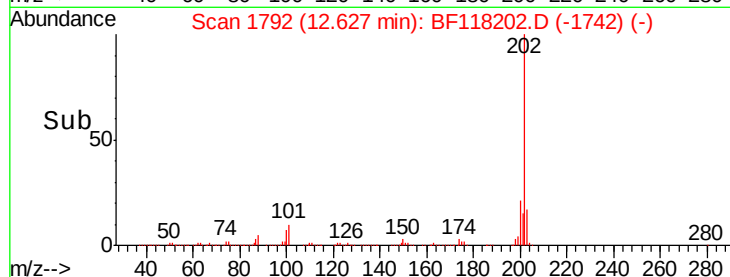
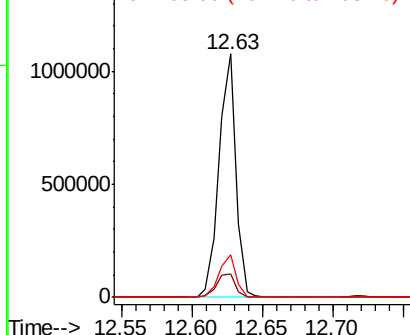


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

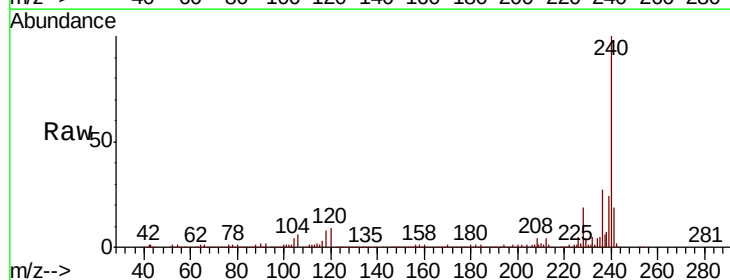
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 274064 |       |       |
| 120     | 9.0   | 7.1    | 10.7  |       |
| 236     | 26.6  | 21.0   | 31.6  |       |

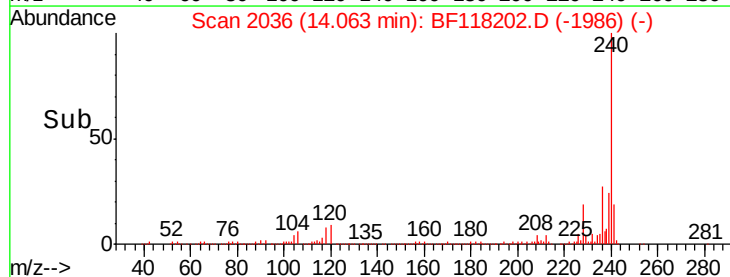
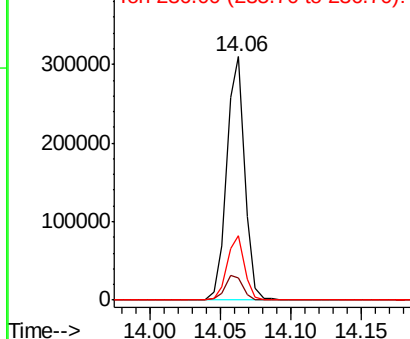


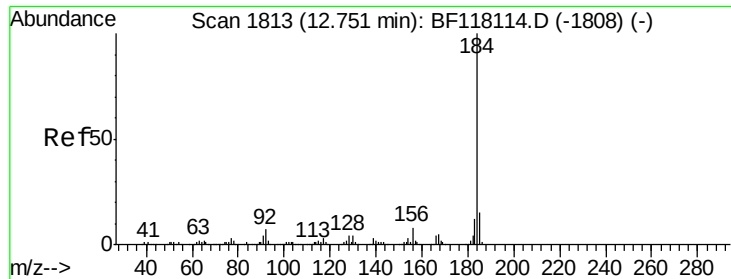
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.891 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

ClientSampleId :

HD-02-121219MS

Tot Ion:184 Resp: 280589

Ion Ratio Lower Upper

184 100

185 13.8 12.3 18.5

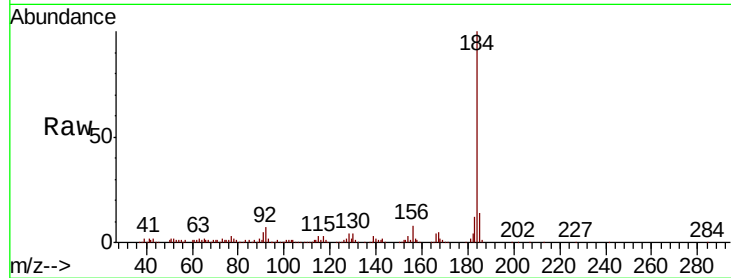
183 11.9 9.9 14.9

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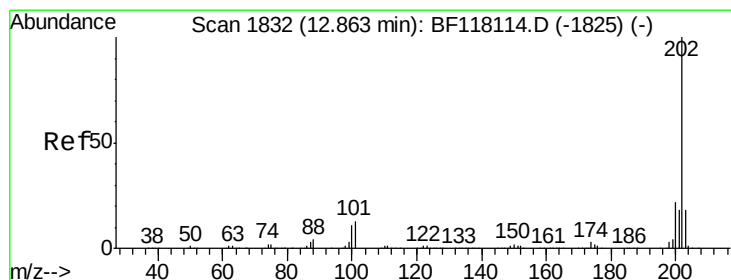
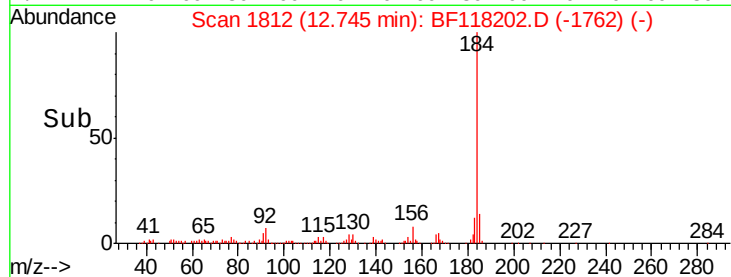
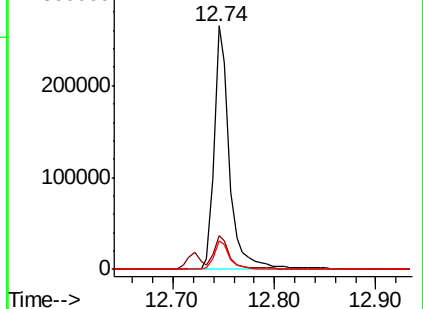
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 42.066 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

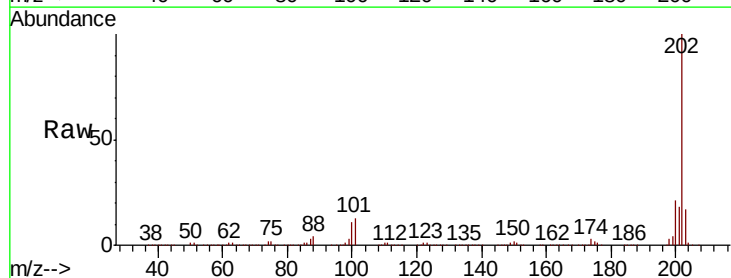
Tgt Ion:202 Resp: 908526

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

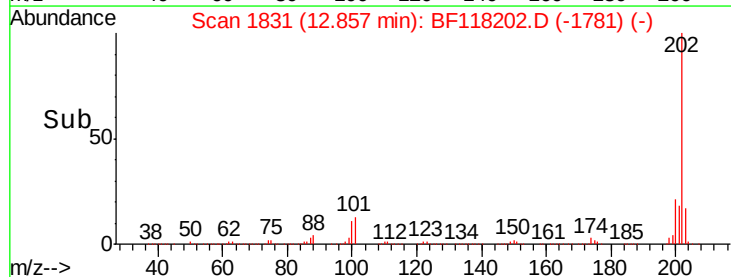
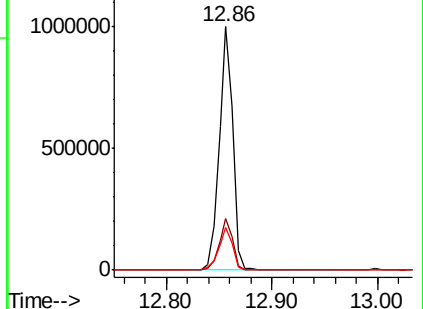
203 17.3 14.6 21.8

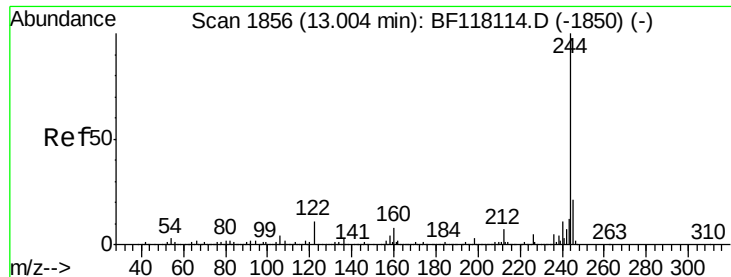


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





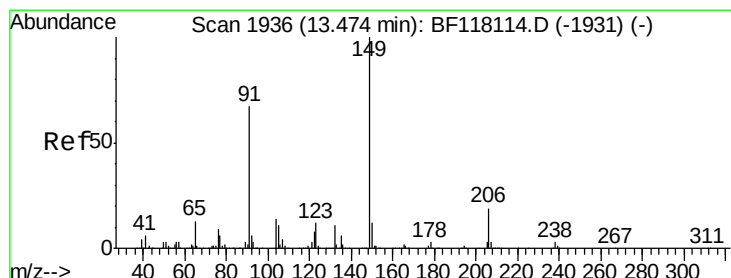
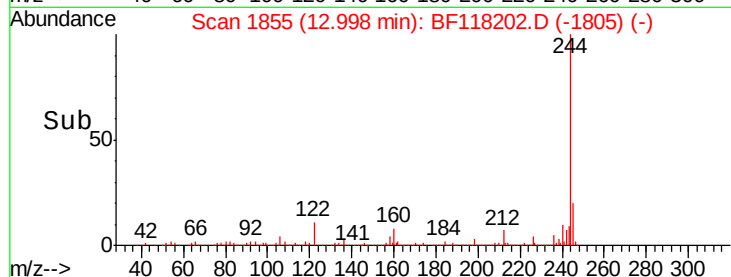
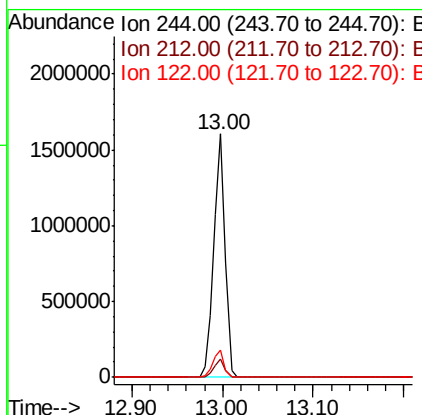
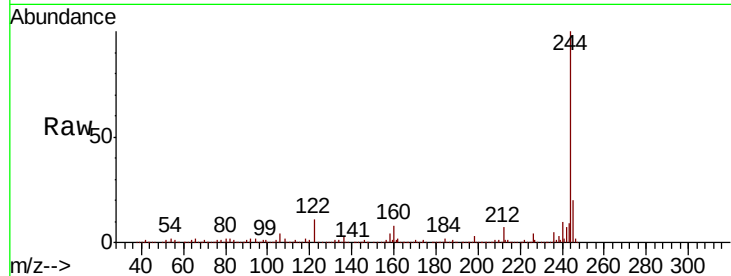
#79  
 Terphenyl-d14  
 Concen: 88.414 ng  
 RT: 13.00 min Scan# 1856  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-121219MS

Tot Ion:244 Resp: 1409094  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.9 8.9  
 122 11.0 9.0 13.6

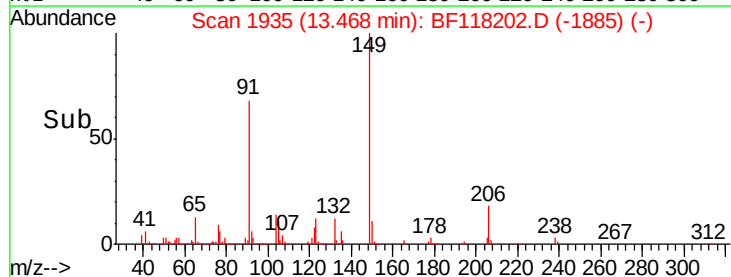
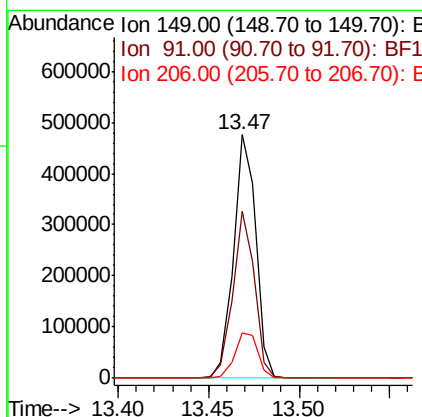
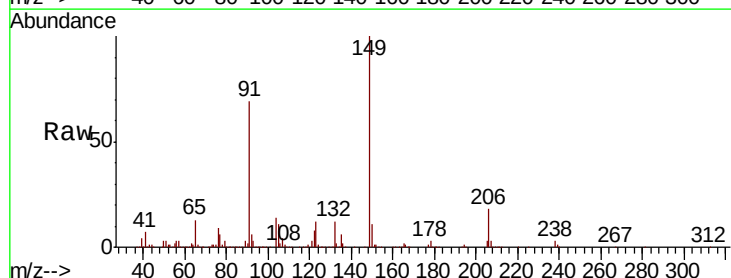
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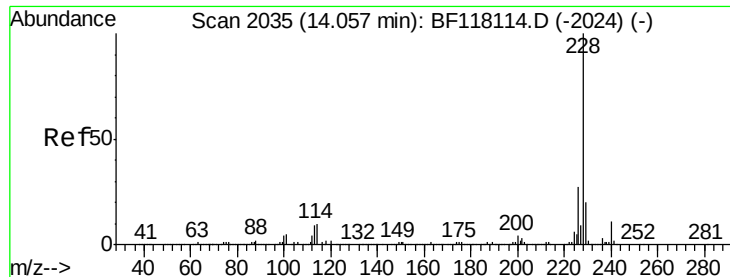
mohammad  
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#80  
 Butylbenzylphthalate  
 Concen: 41.768 ng  
 RT: 13.47 min Scan# 1935  
 Delta R.T. -0.01 min  
 Lab File: BF118202.D  
 Acq: 16 Dec 2019 17:53

Tgt Ion:149 Resp: 408535  
 Ion Ratio Lower Upper  
 149 100  
 91 68.5 53.9 80.9  
 206 18.4 15.2 22.8





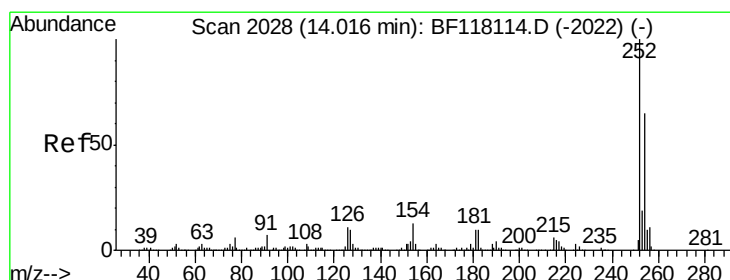
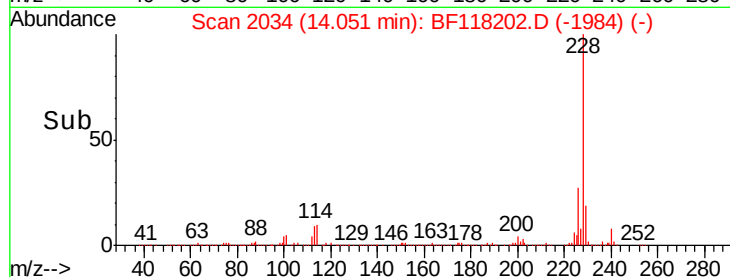
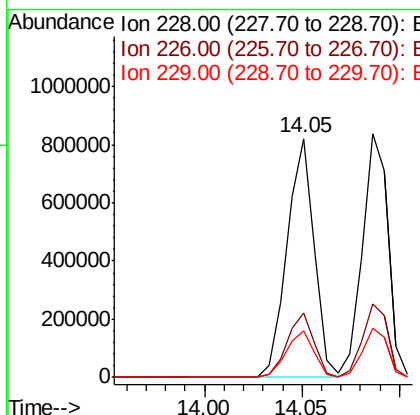
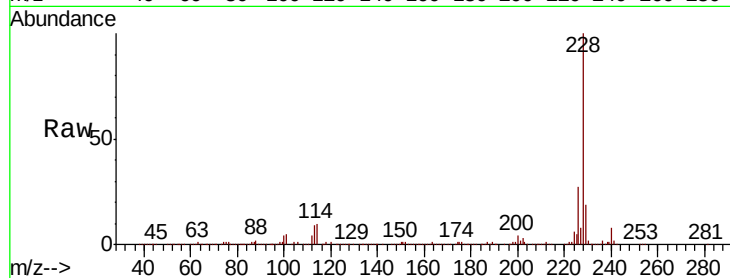
#81  
Benzo(a)anthracene  
Concen: 41.758 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.9  | 21.8  | 32.8  |
| 229     | 19.4  | 15.8  | 23.8  |

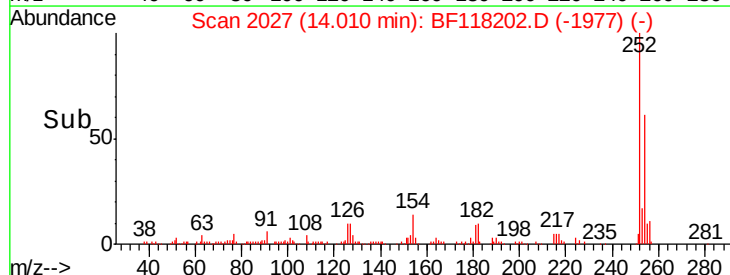
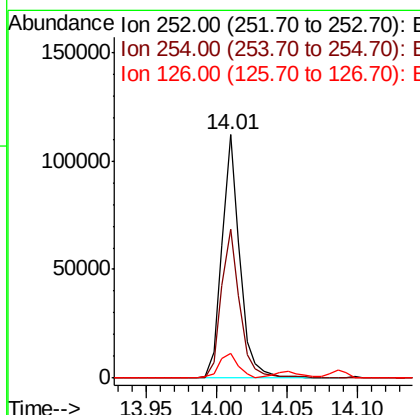
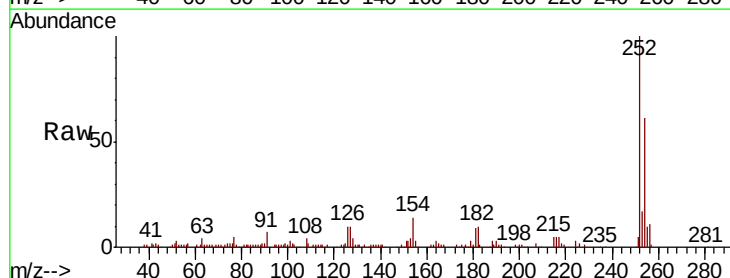
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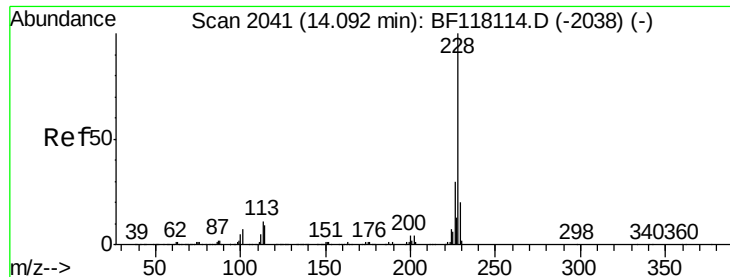
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#82  
3,3'-Dichlorobenzidine  
Concen: 15.920 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.3  | 52.2  | 78.4  |
| 126     | 10.2  | 8.6   | 13.0  |





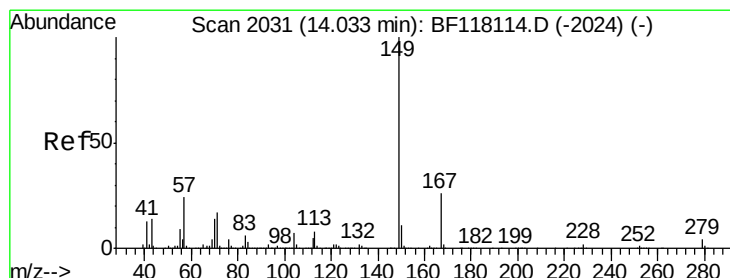
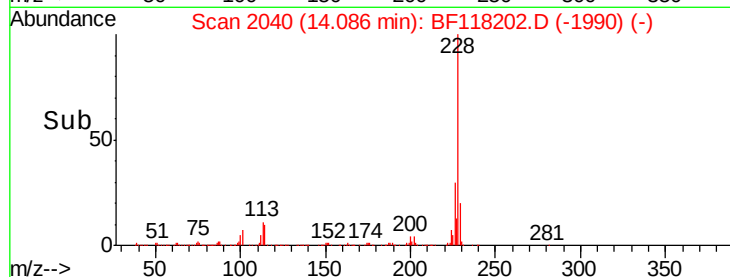
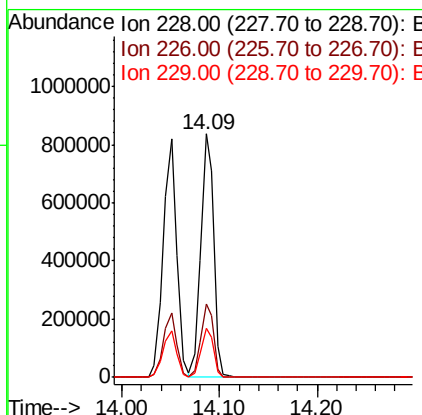
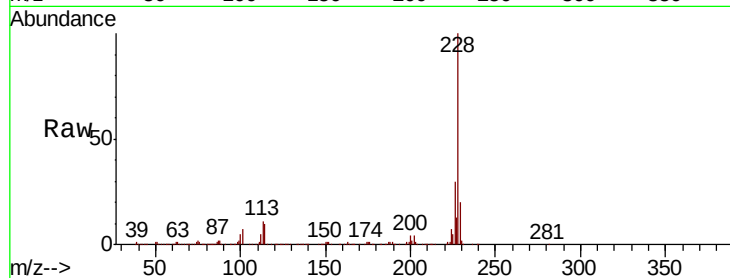
#83  
Chrysene  
Concen: 42.411 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 23.8  | 35.8  |
| 229     | 20.3  | 15.7  | 23.5  |

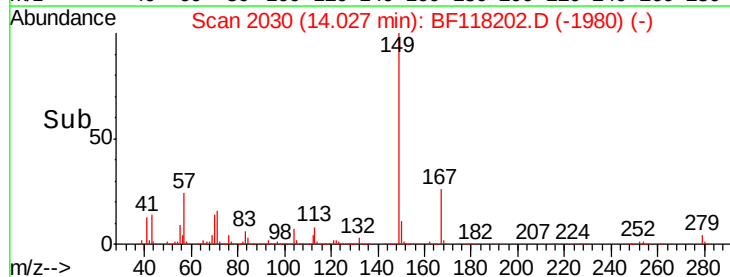
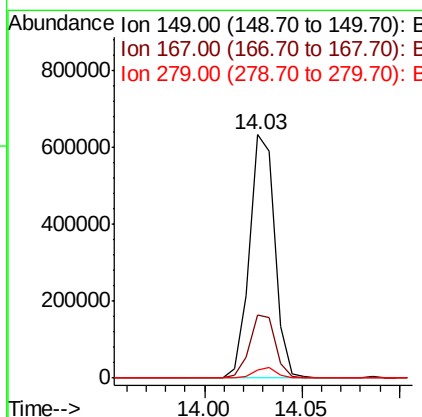
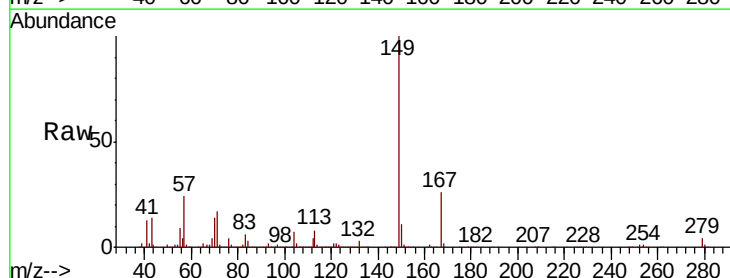
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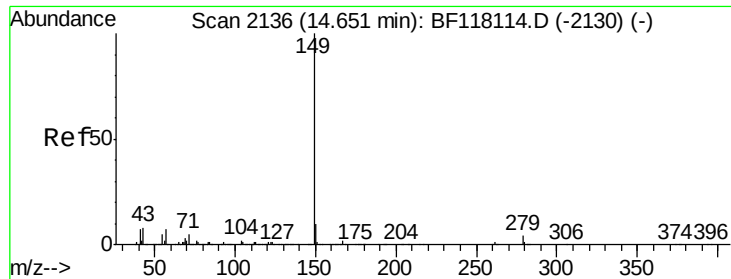
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.195 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.8  | 20.8  | 31.2  |
| 279     | 3.6   | 2.9   | 4.3   |





#85

Di-n-octyl phthalate

Concen: 45.655 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

Instrument :

BNA\_F

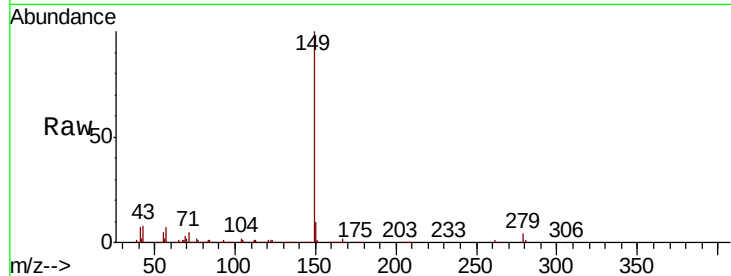
ClientSampleId :

HD-02-121219MS

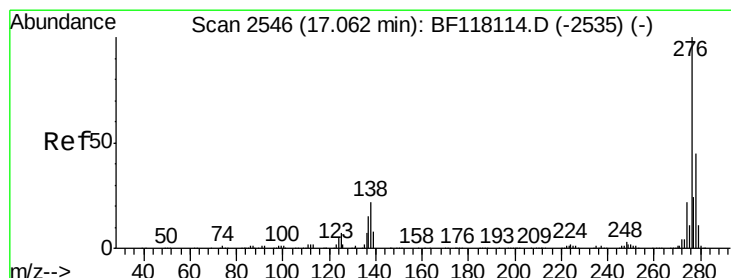
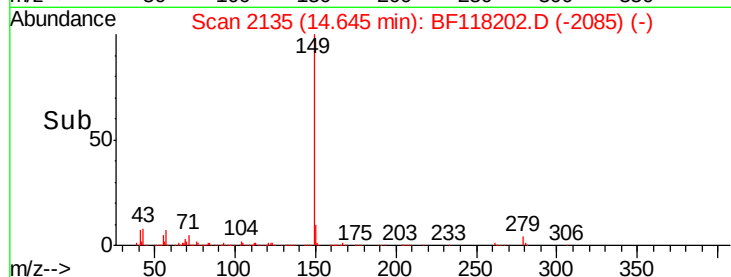
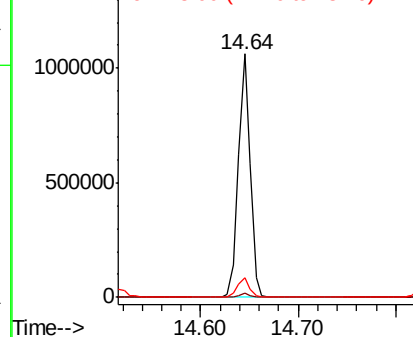
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 891980 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.7   | 1.3   | 1.9    |
| 43        | 8.1   | 6.5   | 9.7    |

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.237 ng

RT: 17.06 min Scan# 2546

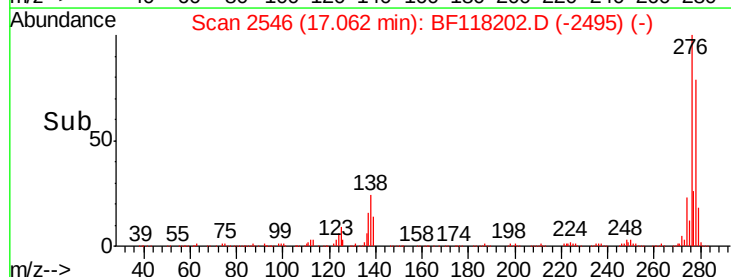
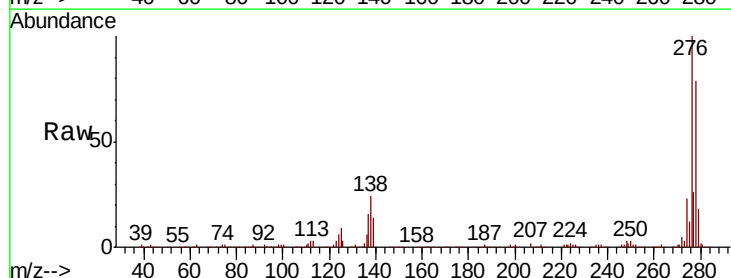
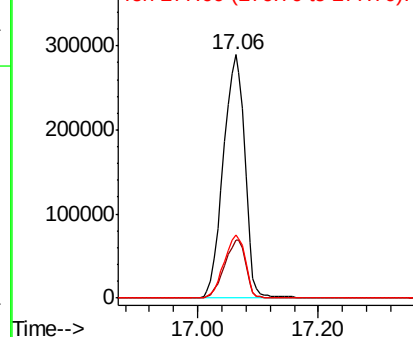
Delta R.T. -0.00 min

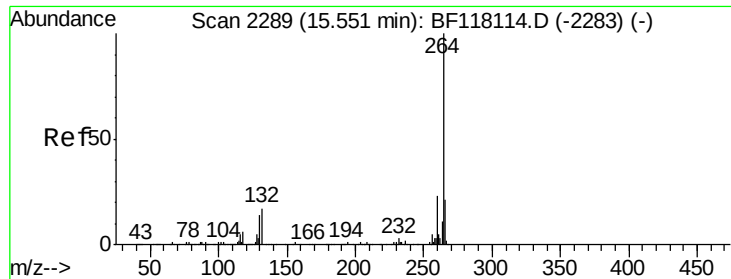
Lab File: BF118202.D

Acq: 16 Dec 2019 17:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 719477 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.5  | 18.9  | 28.3   |
| 277       | 25.7  | 20.4  | 30.6   |

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





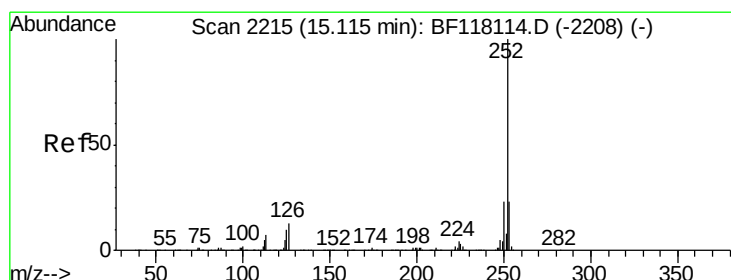
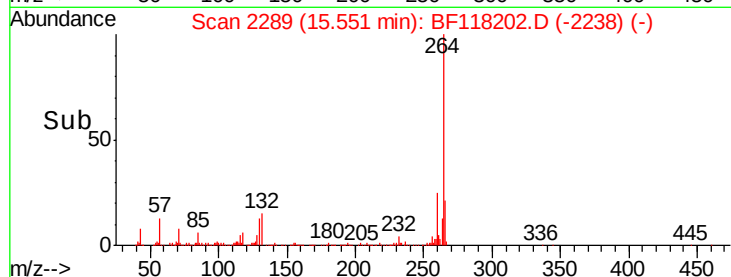
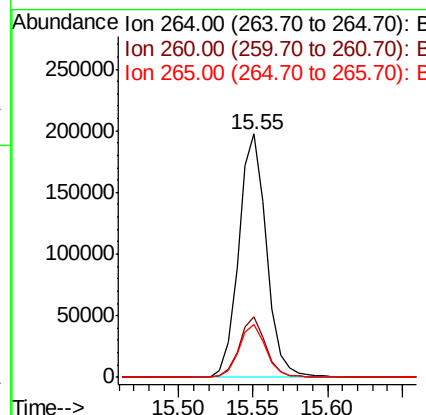
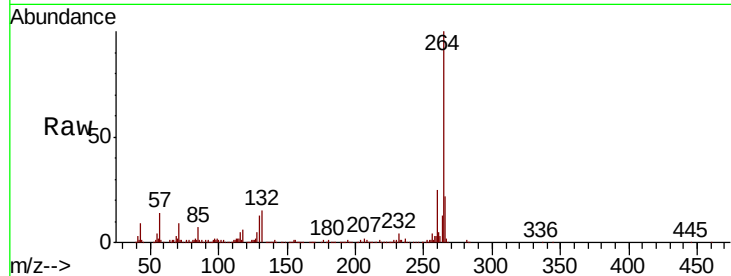
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.55 min Scan# 2289  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 18.6  | 28.0  |
| 265     | 21.6  | 16.8  | 25.2  |

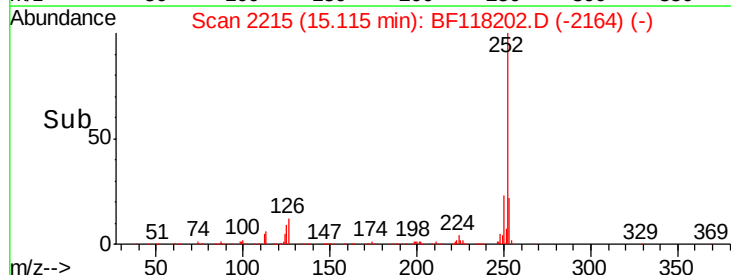
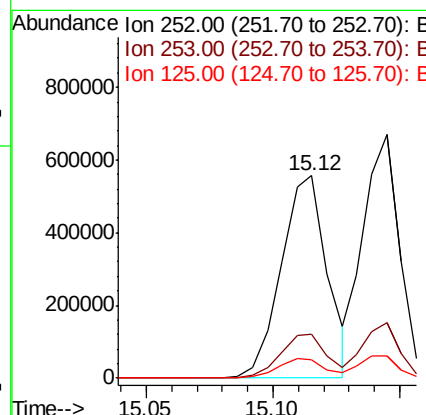
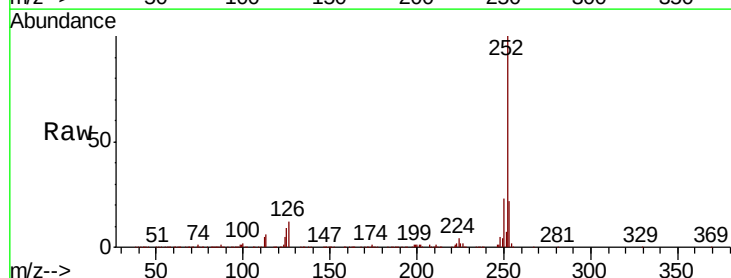
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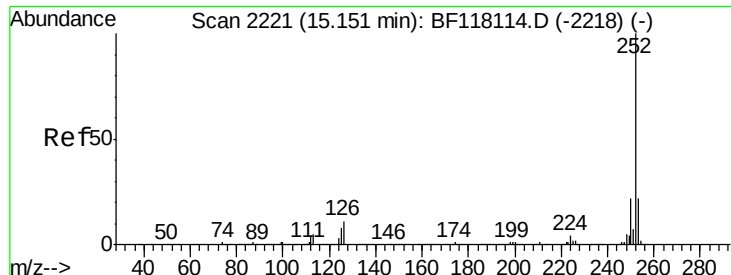


#88  
Benzo(b)fluoranthene  
Concen: 41.773 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.2  | 27.4  |
| 125     | 8.8   | 8.3   | 12.5  |







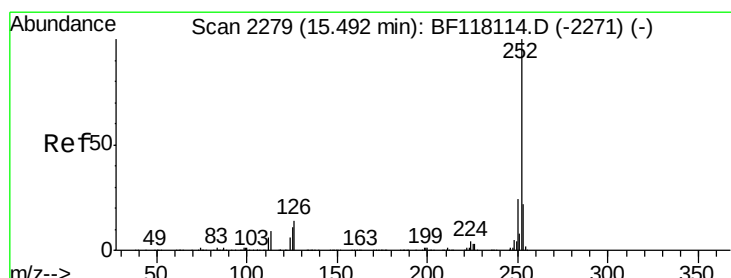
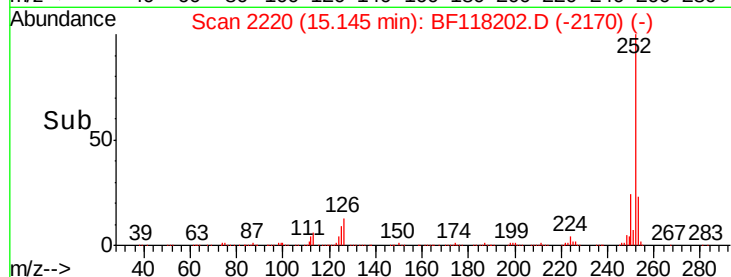
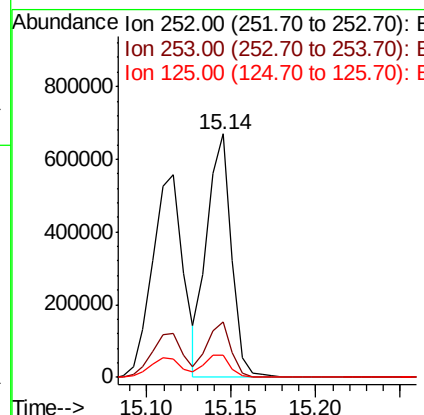
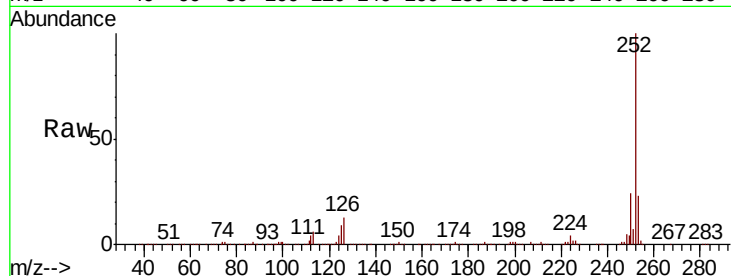
#89  
Benzo(k)fluoranthene  
Concen: 41.643 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.6  | 26.4  |
| 125     | 9.3   | 6.7   | 10.1  |

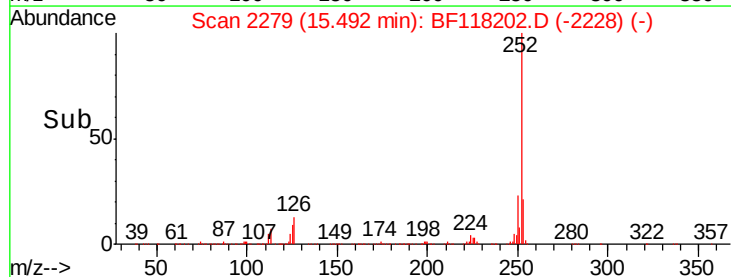
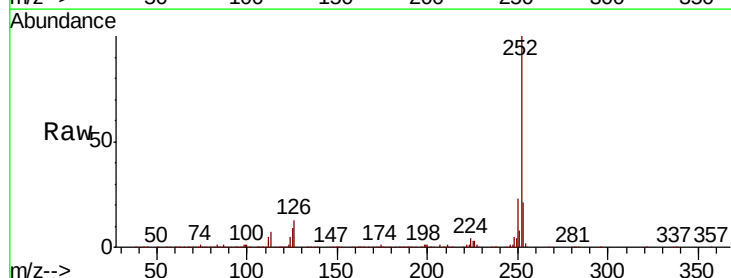
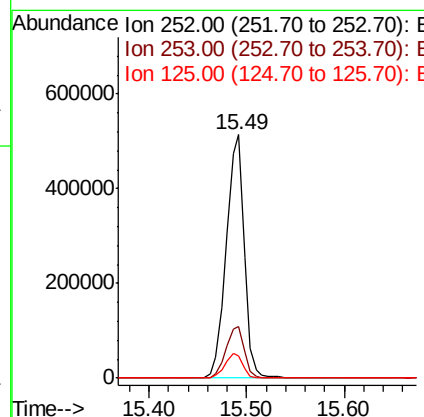
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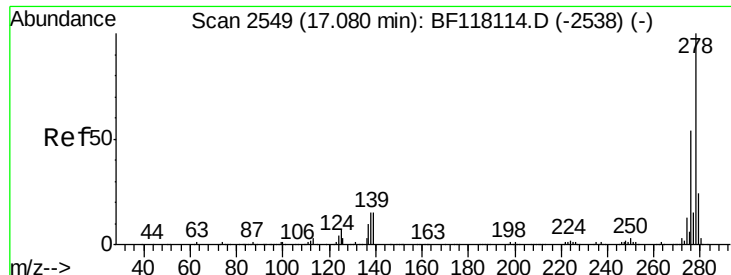
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#90  
Benzo(a)pyrene  
Concen: 43.954 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.00 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 17.5  | 26.3  |
| 125     | 9.3   | 9.1   | 13.7  |





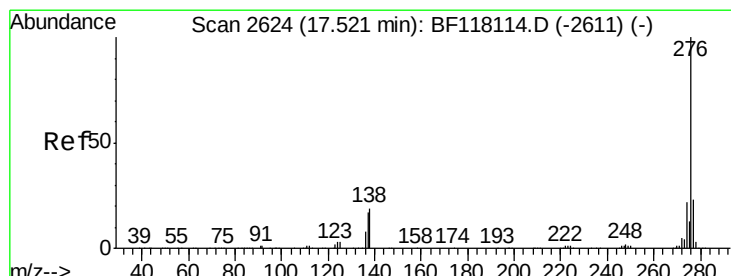
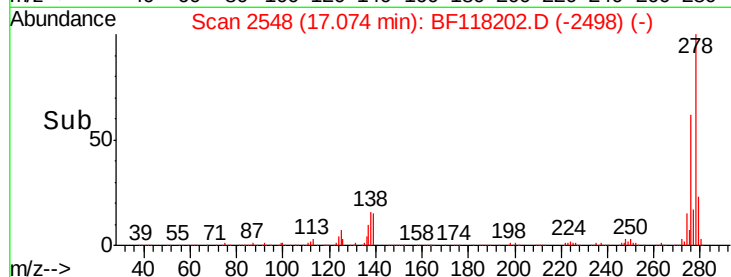
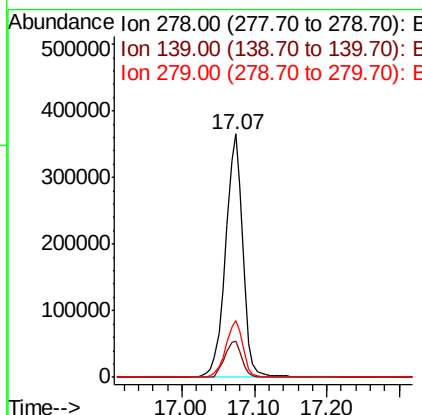
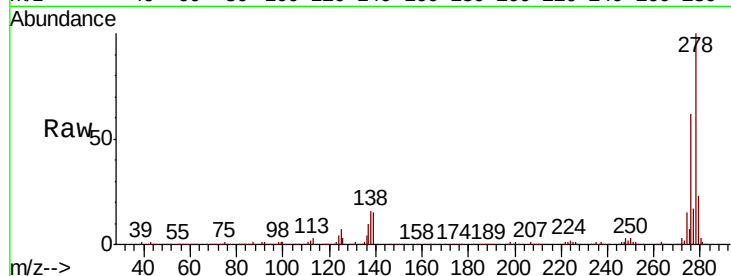
#91  
Dibenzo(a,h)anthracene  
Concen: 47.173 ng  
RT: 17.07 min Scan# 2548  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-121219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.9  | 11.7  | 17.5  |
| 279     | 23.4  | 19.0  | 28.4  |

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#92  
Benzo(g,h,i)perylene  
Concen: 49.448 ng  
RT: 17.52 min Scan# 2623  
Delta R.T. -0.01 min  
Lab File: BF118202.D  
Acq: 16 Dec 2019 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.0  | 18.2  | 27.4  |
| 138     | 19.6  | 15.5  | 23.3  |

