

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\  
 Data File : BF118161.D  
 Acq On : 10 Dec 2019 12:01  
 Operator : JU  
 Sample : PB125313BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB125313BS

Manual Integrations  
 APPROVED

mohammad  
 12/11/2019 12:31:29 PM

Quant Time: Dec 10 13:59:01 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 | 6.87  | 152  | 189488   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 819031   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 443235   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 801644   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.07 | 240  | 558329   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.56 | 264  | 402035   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 1438963 | 133.01 | ng | 0.03 |
| 7) Phenol-d6             | 6.52  | 99  | 1789812 | 136.78 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 928804  | 63.80  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 642494  | 119.32 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 9.24  | 172 | 1893156 | 64.99  | ng | 0.00 |
| 79) Terphenyl-d14        | 13.01 | 244 | 2132911 | 65.69  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.76 | 88  | 154475  | 33.863 | ng | 99     |
| 3) Pyridine                    | 3.52 | 79  | 389966  | 33.134 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.47 | 42  | 230395  | 45.505 | ng | 96     |
| 6) Aniline                     | 6.55 | 93  | 597322  | 35.685 | ng | 99     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 604810  | 49.578 | ng | 99     |
| 9) Benzaldehyde                | 6.42 | 77  | 185822  | 23.649 | ng | 97     |
| 10) Phenol                     | 6.53 | 94  | 700304  | 46.927 | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 507132  | 46.986 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 589114  | 41.339 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 603204  | 42.035 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 579377  | 42.993 | ng | 97     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 505751  | 49.512 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 574645  | 44.281 | ng | 97     |
| 17) 2-Methylphenol             | 7.13 | 107 | 490020  | 50.504 | ng | 97     |
| 18) Hexachloroethane           | 7.39 | 117 | 224319  | 42.424 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 388095  | 48.807 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 602037  | 49.399 | ng | # 82   |
| 22) Acetophenone               | 7.29 | 105 | 808634  | 41.096 | ng | 97     |
| 24) Nitrobenzene               | 7.46 | 77  | 593145  | 41.468 | ng | 100    |
| 25) Isophorone                 | 7.70 | 82  | 1084160 | 43.929 | ng | 99     |
| 26) 2-Nitrophenol              | 7.78 | 139 | 340903  | 44.591 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 546824  | 53.622 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93  | 658436  | 40.829 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 516043  | 43.408 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 553419  | 39.834 | ng | 99     |
| 31) Naphthalene                | 8.19 | 128 | 1713417 | 41.655 | ng | 100    |
| 32) Benzoic acid               | 7.97 | 122 | 404804  | 43.964 | ng | 98     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 468123  | 26.357 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 318247  | 38.200 | ng | 99     |
| 35) Caprolactam                | 8.63 | 113 | 133356m | 36.375 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 550628  | 44.013 | ng | 94     |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 1198596 | 43.041 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.98 | 142 | 1124286 | 42.998 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 526500  | 39.211 | ng | 98     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB125313BS

Manual Integrations  
 APPROVED

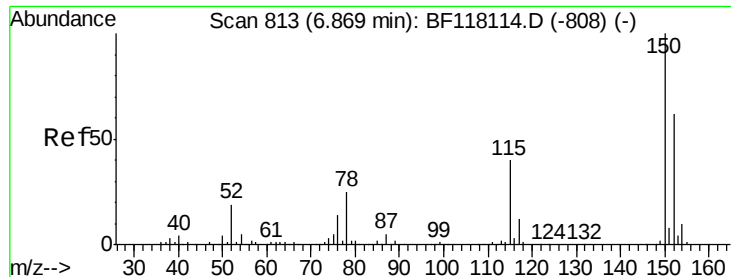
mohammad  
 12/11/2019 12:31:29 PM

Quant Time: Dec 10 13:59:01 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  | 9.03  | 237  | 543803   | 90.392 | nq    | 96       |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 378918   | 42.266 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 391014   | 42.098 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 1412925  | 40.418 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 1101680  | 39.178 | nq    | 95       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 318973   | 39.777 | nq    | 98       |
| 49) Acenaphthylene             | 9.79  | 152  | 1734638  | 41.824 | nq    | 99       |
| 50) Dimethylphthalate          | 9.65  | 163  | 1334952  | 40.775 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 299031   | 42.005 | nq    | 95       |
| 52) Acenaphthene               | 9.96  | 154  | 1012430  | 39.993 | nq    | 99       |
| 53) 3-Nitroaniline             | 9.89  | 138  | 248020   | 29.604 | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 10.00 | 184  | 307140   | 86.719 | nq    | 98       |
| 55) Dibenzofuran               | 10.13 | 168  | 1517116  | 40.900 | nq    | 99       |
| 56) 4-Nitrophenol              | 10.06 | 139  | 469369   | 80.728 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 400997   | 42.202 | nq    | 92       |
| 58) Fluorene                   | 10.48 | 166  | 1206189  | 40.918 | nq    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 335985   | 43.846 | nq    | 100      |
| 60) Diethylphthalate           | 10.35 | 149  | 1316742  | 40.821 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 593140   | 39.990 | nq    | 99       |
| 62) 4-Nitroaniline             | 10.51 | 138  | 313817   | 35.915 | nq    | 99       |
| 63) Azobenzene                 | 10.63 | 77   | 1135581  | 41.239 | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 208474   | 47.090 | nq    | 94       |
| 66) n-Nitrosodiphenylamine     | 10.59 | 169  | 1083454  | 43.279 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 379099   | 41.427 | nq    | # 90     |
| 68) Hexachlorobenzene          | 11.03 | 284  | 443705   | 41.195 | nq    | 99       |
| 69) Atrazine                   | 11.12 | 200  | 347544   | 57.852 | nq    | 98       |
| 70) Pentachlorophenol          | 11.23 | 266  | 473291   | 93.439 | nq    | 98       |
| 71) Phenanthrene               | 11.44 | 178  | 1779441  | 41.757 | nq    | 99       |
| 72) Anthracene                 | 11.50 | 178  | 1807956  | 42.529 | nq    | 98       |
| 73) Carbazole                  | 11.65 | 167  | 1608133  | 42.162 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 1997607  | 41.848 | nq    | 99       |
| 75) Fluoranthene               | 12.64 | 202  | 1815315  | 41.665 | nq    | 97       |
| 77) Benzidine                  | 12.76 | 184  | 508115   | 34.570 | nq    | 98       |
| 78) Pyrene                     | 12.87 | 202  | 1823571  | 41.446 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.48 | 149  | 843000   | 42.306 | nq    | 99       |
| 81) Benzo(a)anthracene         | 14.06 | 228  | 1574436  | 40.781 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.02 | 252  | 490076   | 38.652 | nq    | 97       |
| 83) Chrysene                   | 14.10 | 228  | 1468638  | 39.824 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 1128544  | 42.951 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 14.66 | 149  | 1768950  | 44.444 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.09 | 276  | 1121127  | 36.131 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 15.13 | 252  | 1237415  | 46.538 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.16 | 252  | 1230813  | 48.185 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.50 | 252  | 1057242  | 45.021 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.10 | 278  | 930617   | 46.203 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.55 | 276  | 931946   | 48.150 | nq    | 100      |

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





#1

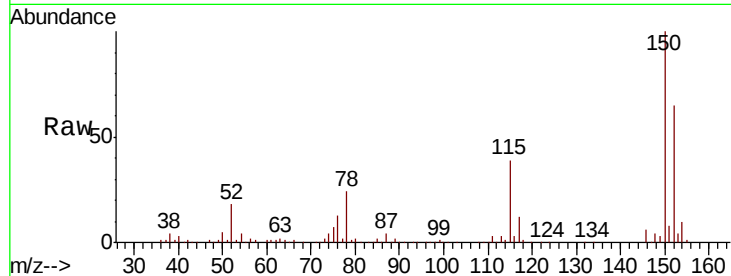
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 128.3 | 192.5 |
| 115     | 59.8  | 51.1  | 76.7  |

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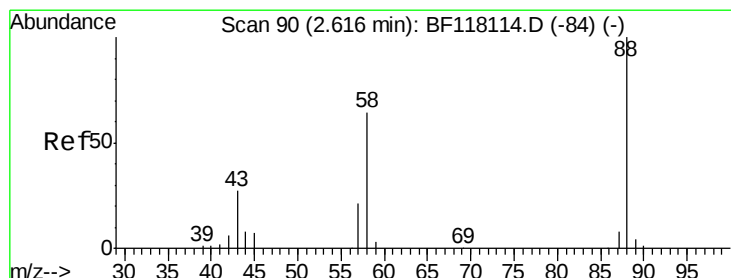
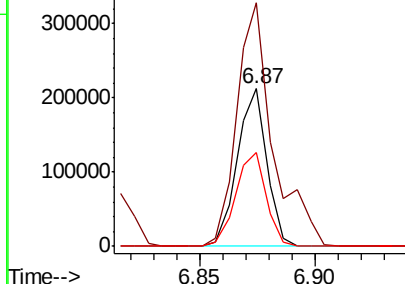
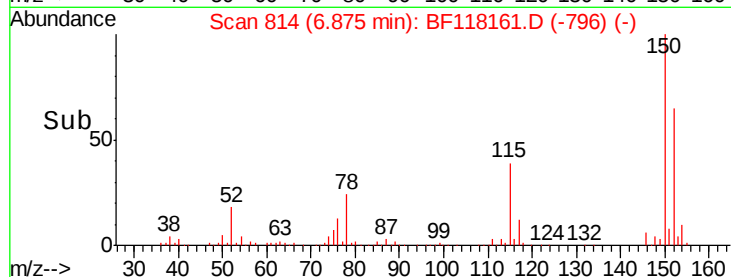


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

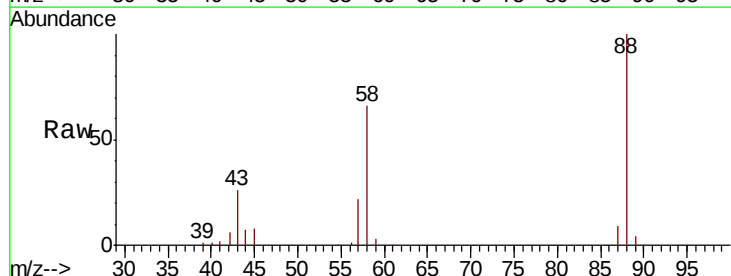
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 33.863 ng  
RT: 2.76 min Scan# 114  
Delta R.T. 0.14 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.2  | 52.2  | 78.4  |
| 43      | 27.6  | 21.4  | 32.2  |

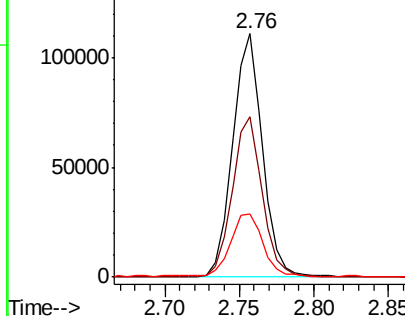
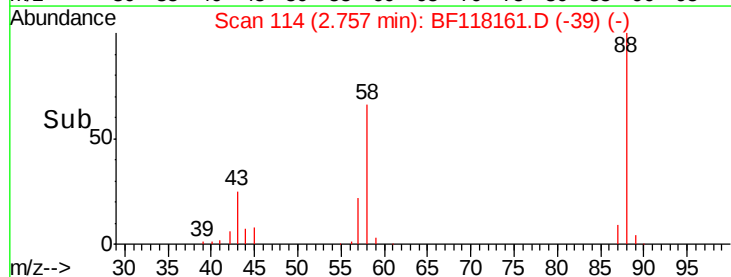


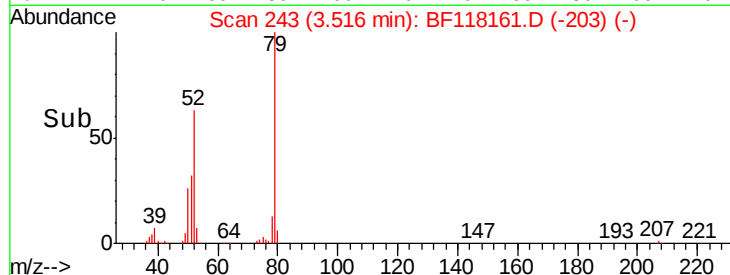
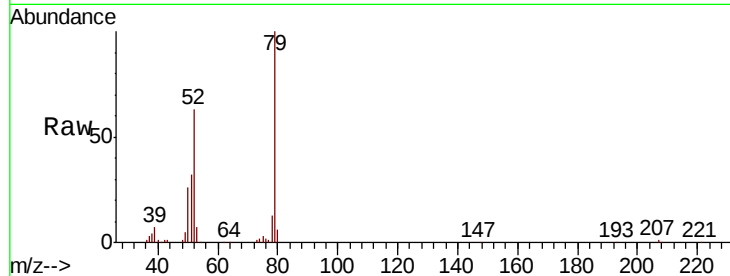
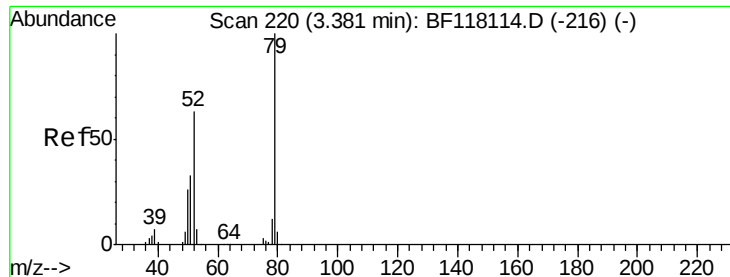
Abundance

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





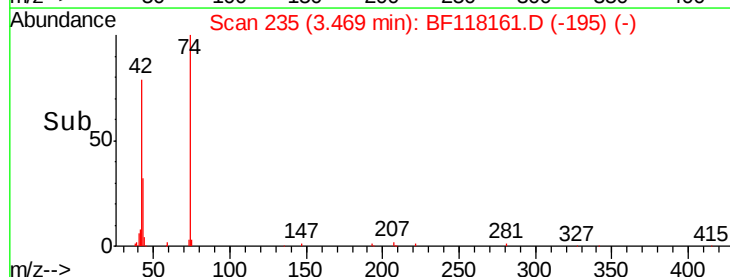
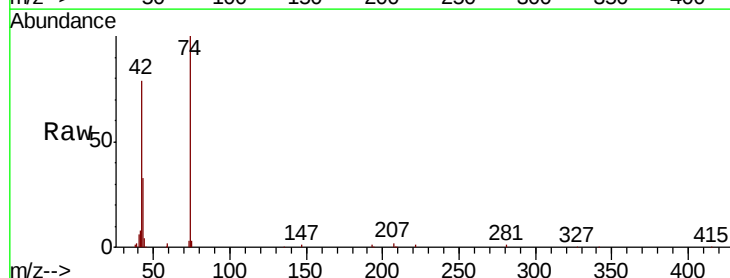
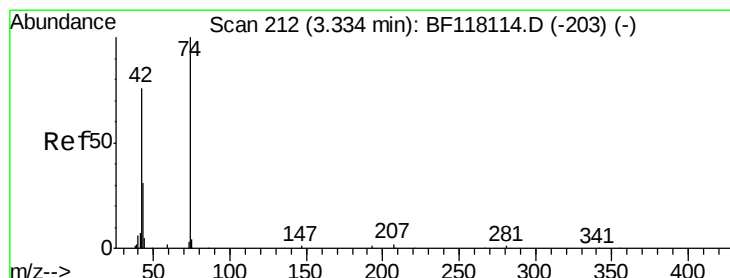
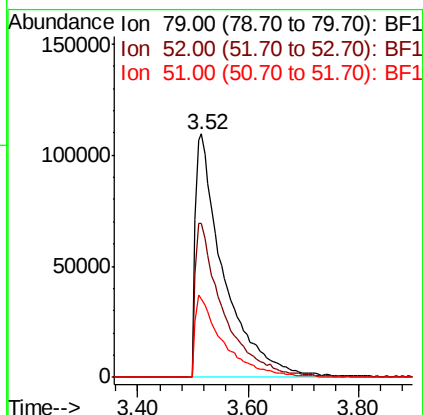
#3  
 Pvridine  
 Concen: 33.134 ng  
 RT: 3.52 min Scan# 243  
 Delta R.T. 0.14 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

| Tot Ion   | 79   | Resp  | 389966 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 79        | 100  |       |        |
| 52        | 63.3 | 50.7  | 76.1   |
| 51        | 32.2 | 26.4  | 39.6   |

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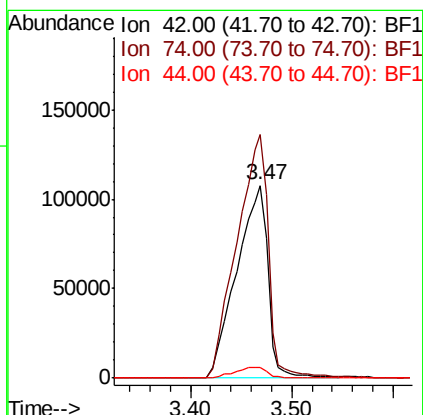
Manual Integrations  
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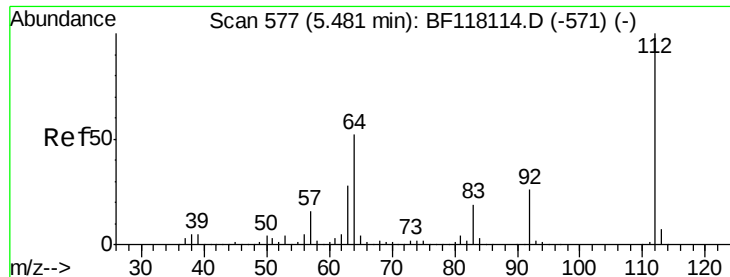
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#4  
 n-Nitrosodimethylamine  
 Concen: 45.505 ng  
 RT: 3.47 min Scan# 235  
 Delta R.T. 0.14 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

| Tgt Ion   | 42    | Resp  | 230395 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 42        | 100   |       |        |
| 74        | 126.5 | 104.6 | 157.0  |
| 44        | 5.6   | 5.1   | 7.7    |





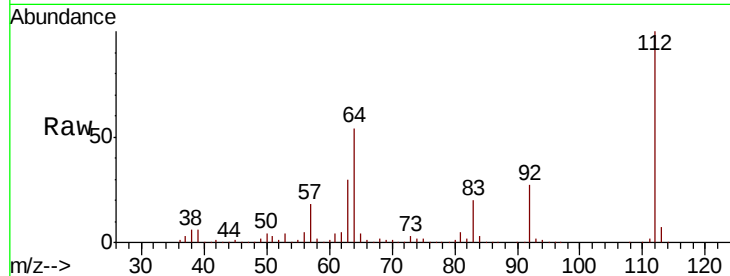
#5  
2-Fluorophenol  
Concen: 133.005 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.03 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

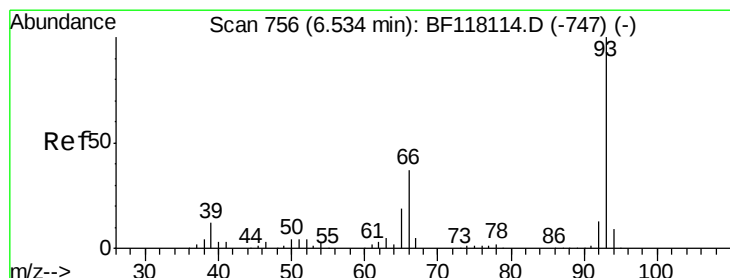
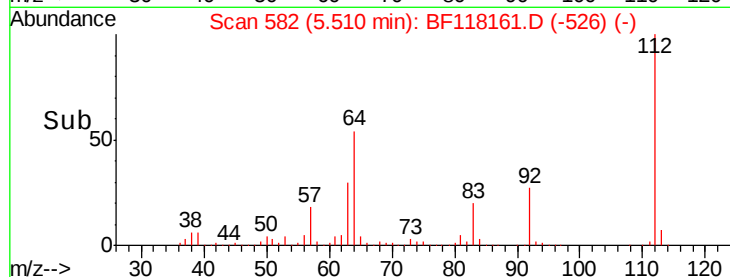
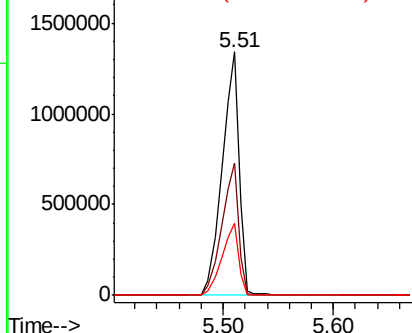
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.1  | 41.3  | 61.9  |
| 63      | 29.5  | 22.4  | 33.6  |

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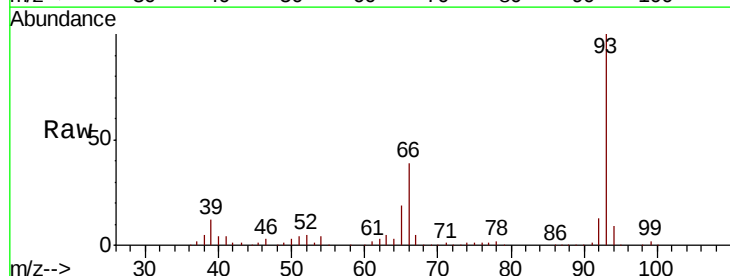


Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1

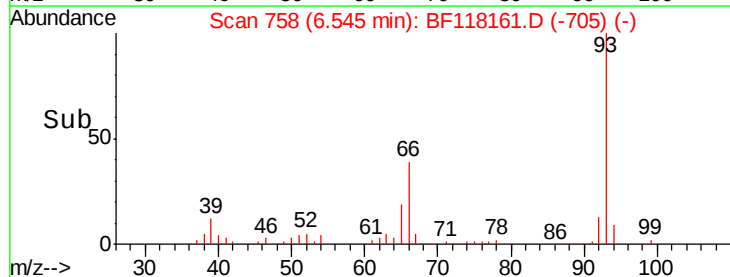
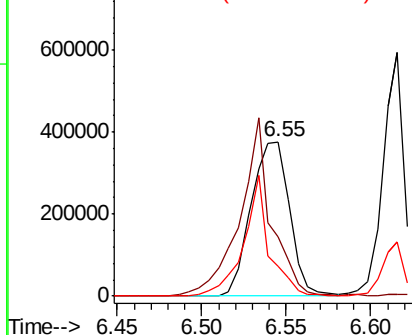


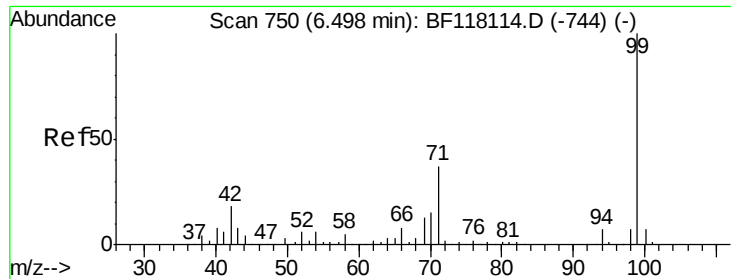
#6  
Aniline  
Concen: 35.685 ng  
RT: 6.55 min Scan# 758  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 38.6  | 30.2  | 45.2  |
| 65      | 19.3  | 15.5  | 23.3  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 136.776 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion: 99 Resp: 1789812

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

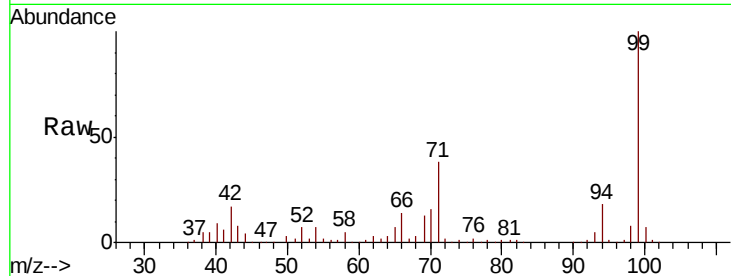
71 37.6 29.7 44.5

Manual Integrations

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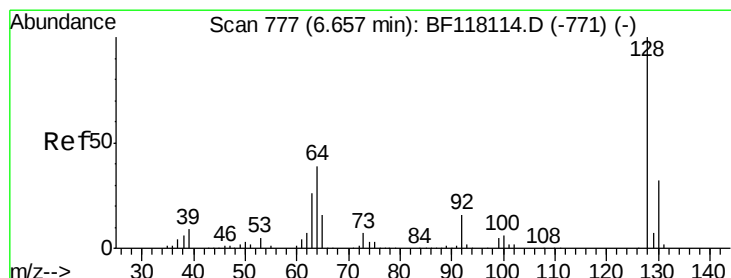
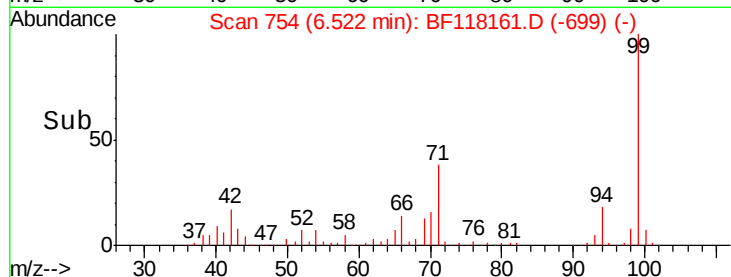
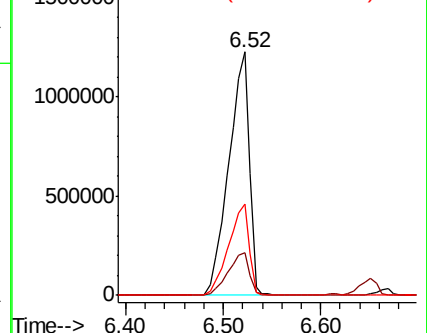
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 49.578 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

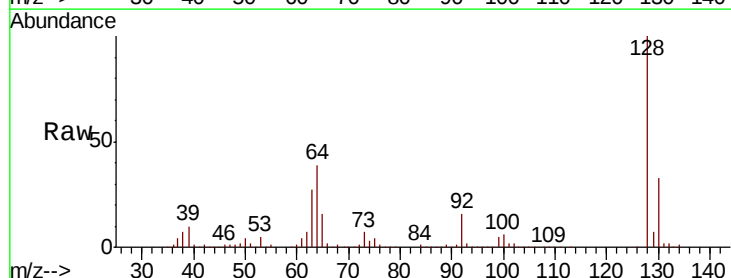
Tgt Ion:128 Resp: 604810

Ion Ratio Lower Upper

128 100

130 32.8 12.1 52.1

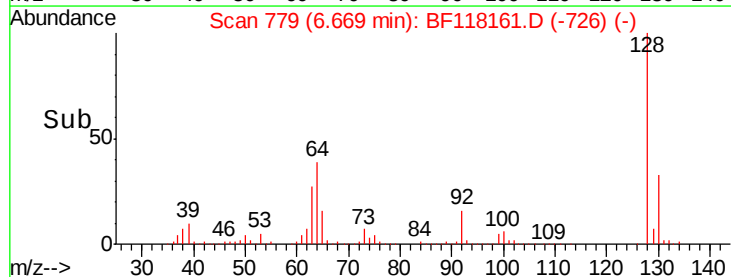
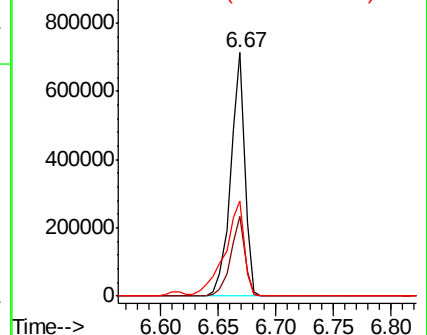
64 39.3 19.3 59.3

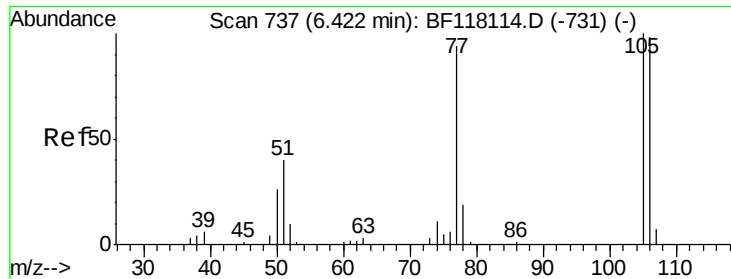


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





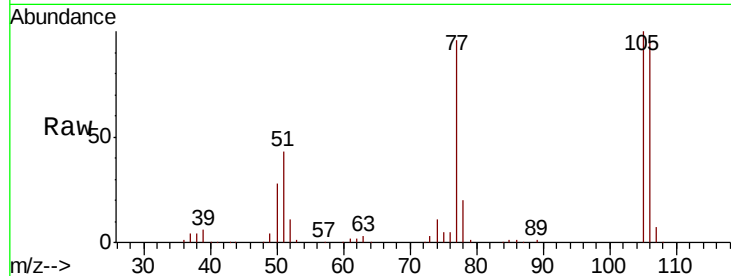
#9  
Benzaldehyde  
Concen: 23.649 ng  
RT: 6.42 min Scan# 737  
Delta R.T. 0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 103.9 | 86.4  | 126.4 |
| 106     | 99.8  | 83.8  | 123.8 |

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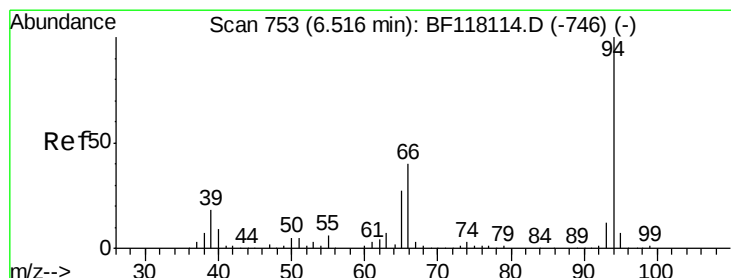
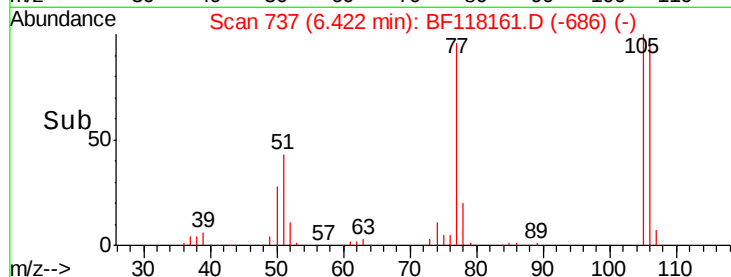
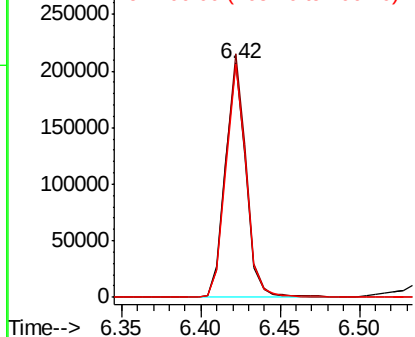


Abundance

Ion 77.00 (76.70 to 77.70): BF1

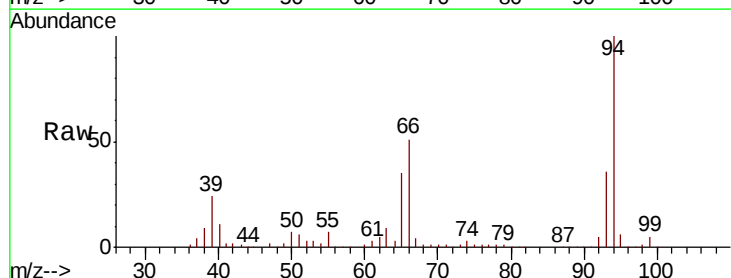
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10  
Phenol  
Concen: 46.927 ng  
RT: 6.53 min Scan# 756  
Delta R.T. 0.02 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 34.7  | 7.3   | 47.3  |
| 66      | 51.0  | 20.2  | 60.2  |

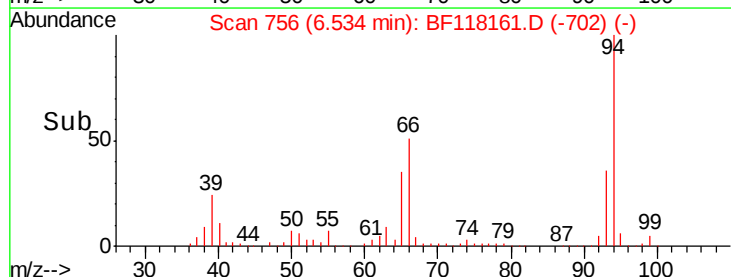
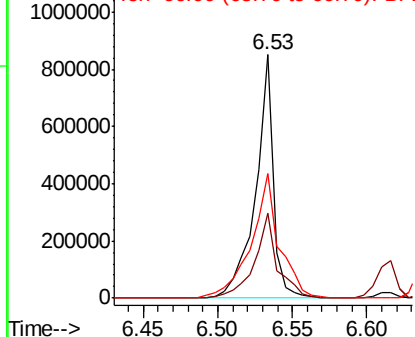


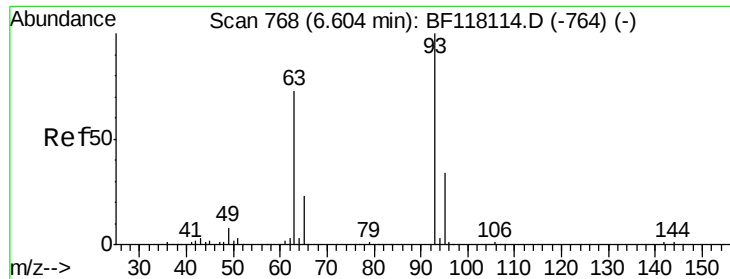
Abundance

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





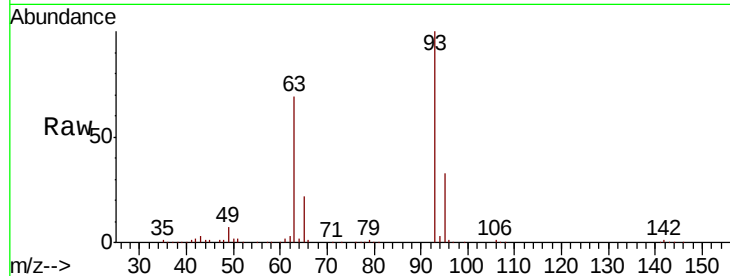
#11  
bis(2-Chloroethyl)ether  
Concen: 46.986 ng  
RT: 6.62 min Scan# 770  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 68.8  | 53.2  | 93.2  |
| 95      | 33.5  | 13.8  | 53.8  |

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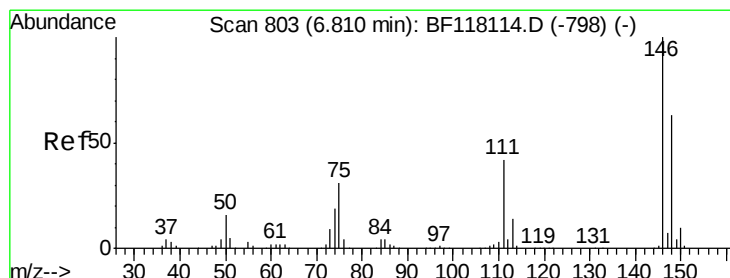
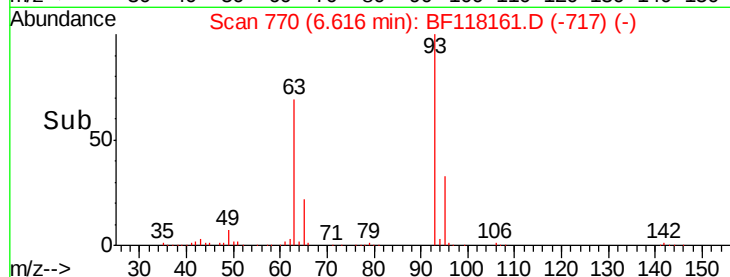
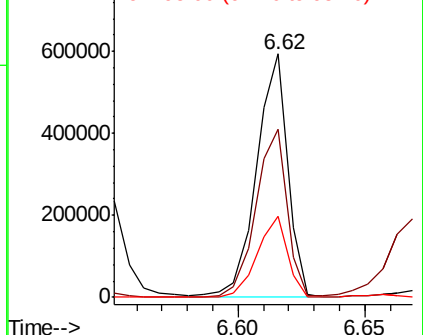


Abundance

Ion 93.00 (92.70 to 93.70): BF1

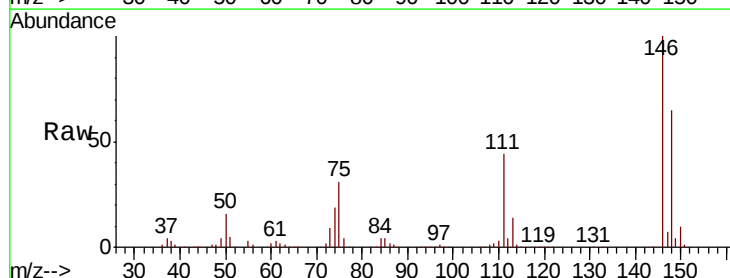
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12  
1,3-Dichlorobenzene  
Concen: 41.339 ng  
RT: 6.82 min Scan# 804  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.3  | 50.2  | 75.4  |
| 75      | 31.0  | 24.6  | 37.0  |

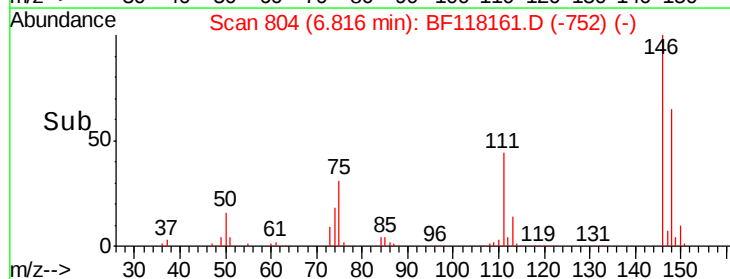
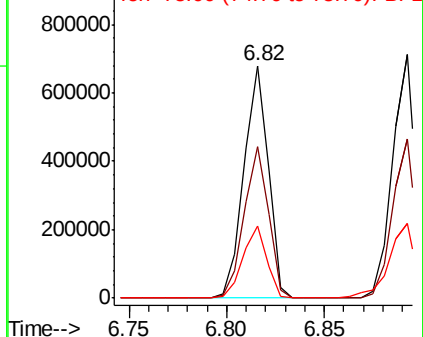


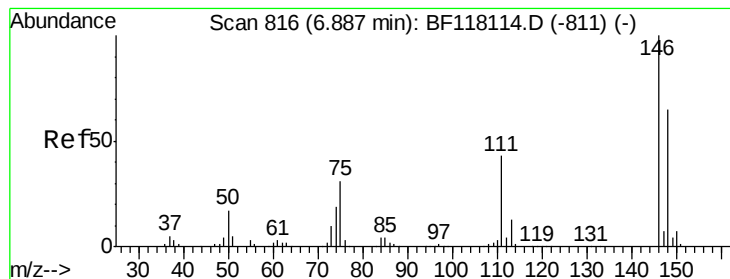
Abundance

Ion 146.00 (145.70 to 146.70): BF1

Ion 148.00 (147.70 to 148.70): BF1

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 42.035 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

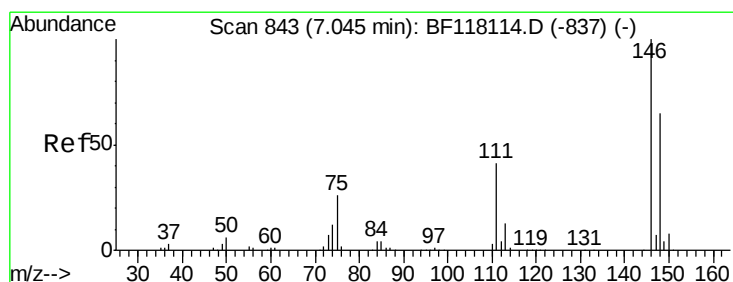
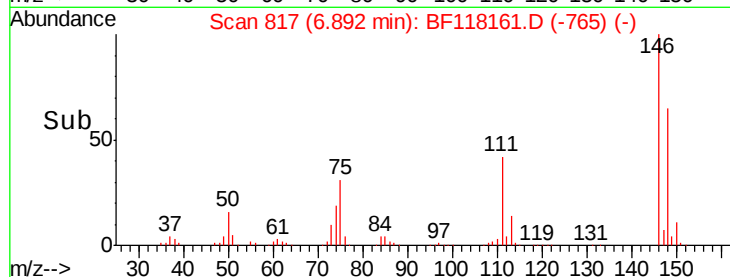
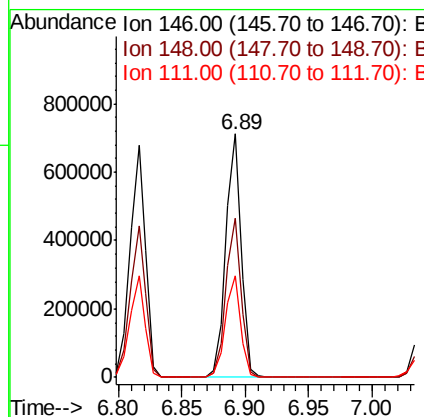
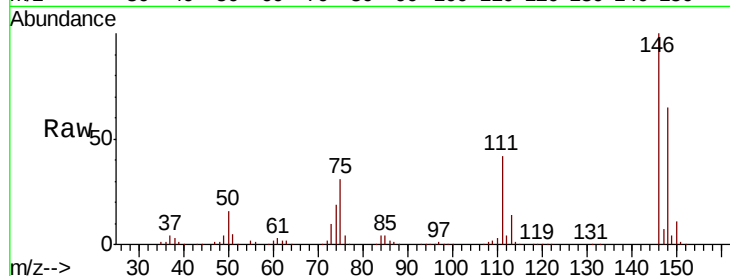
ClientSampleId :

PB125313BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 603204 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.4  | 52.1  | 78.1   |
| 111       | 42.0  | 34.6  | 52.0   |

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#14

1,2-Dichlorobenzene

Concen: 42.993 ng

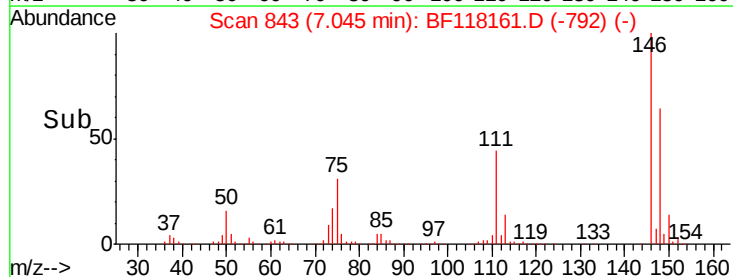
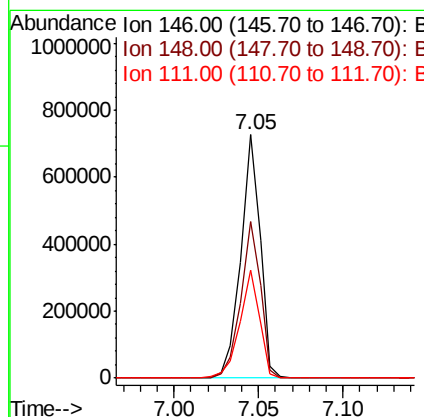
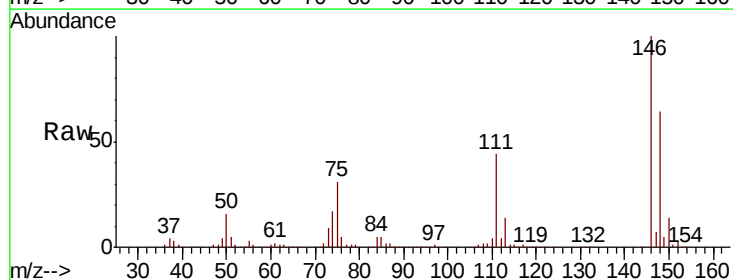
RT: 7.05 min Scan# 843

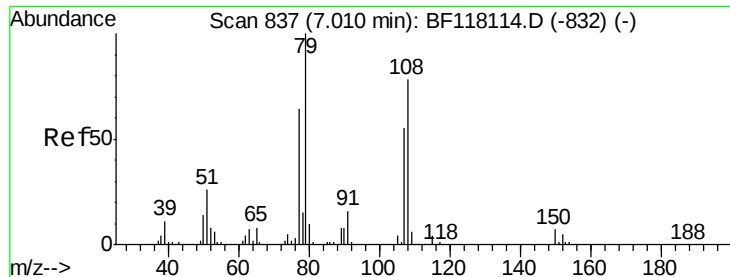
Delta R.T. -0.00 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 579377 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 52.2  | 78.2   |
| 111       | 44.4  | 33.1  | 49.7   |





#15

Benzyl Alcohol

Concen: 49.512 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

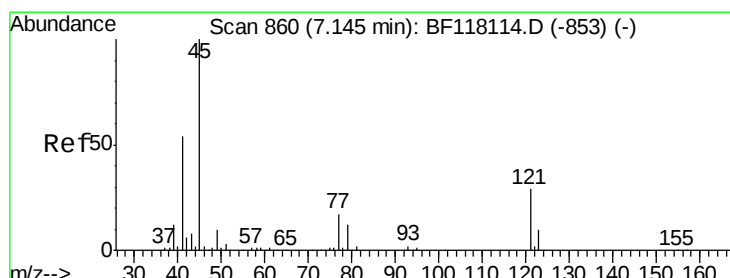
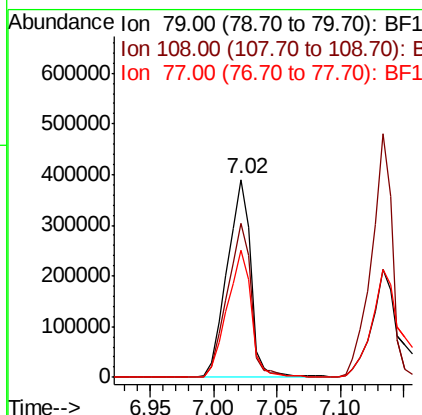
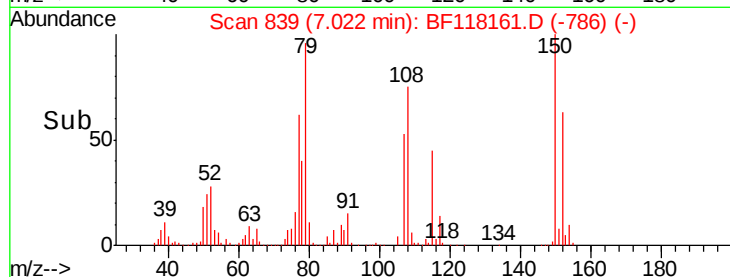
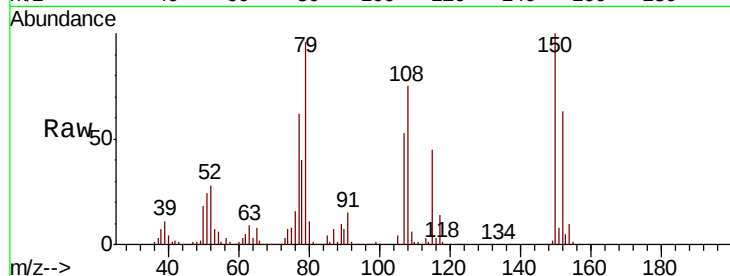
ClientSampleId :

PB125313BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 505751 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 78.0  | 62.7  | 94.1   |
| 77        | 64.3  | 51.4  | 77.2   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 44.281 ng

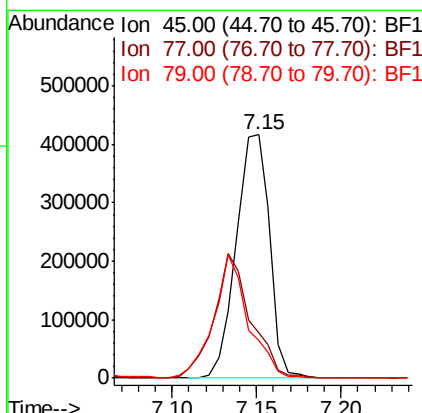
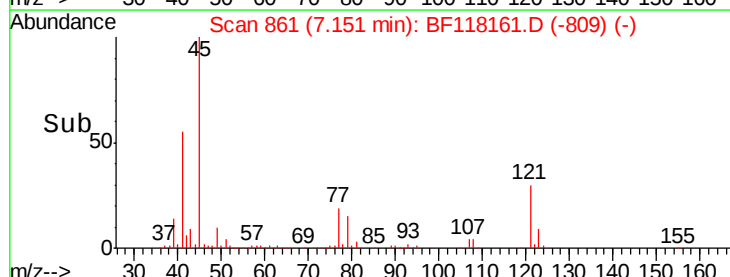
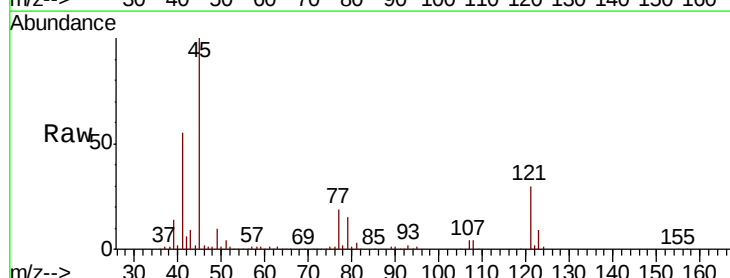
RT: 7.15 min Scan# 861

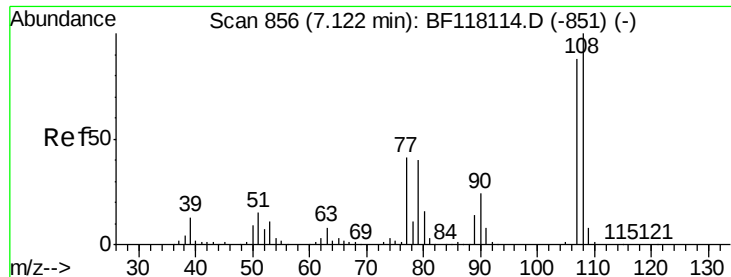
Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 574645 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 18.7  | 0.0   | 38.0   |
| 79        | 15.3  | 0.0   | 33.2   |





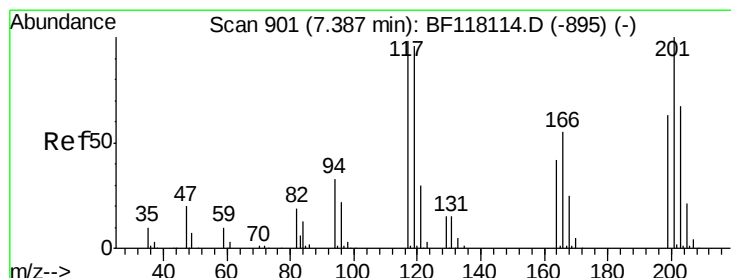
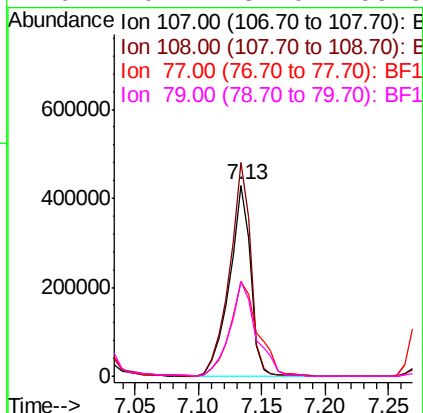
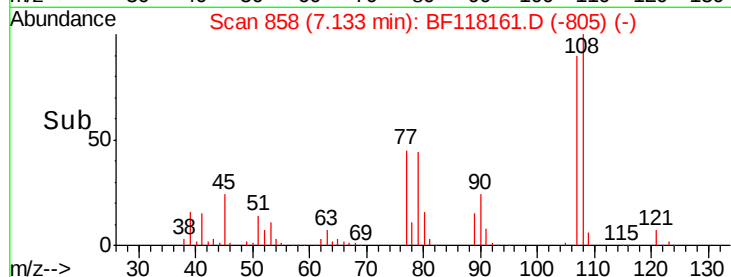
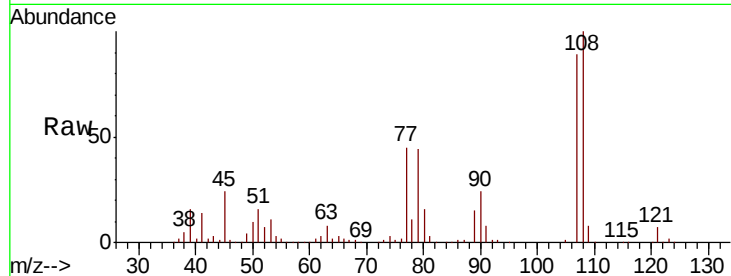
#17  
2-Methylphenol  
Concen: 50.504 ng  
RT: 7.13 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.0 | 91.1 | 136.7 |       |
| 77      | 49.9  | 37.8 | 56.6  |       |
| 79      | 49.4  | 37.0 | 55.6  |       |

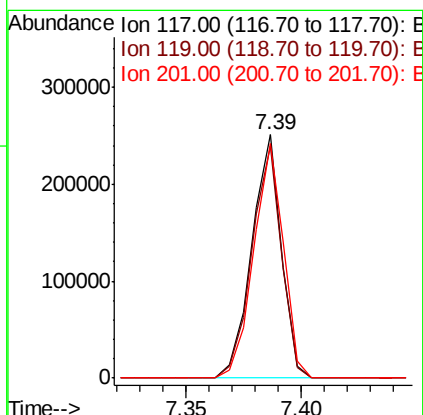
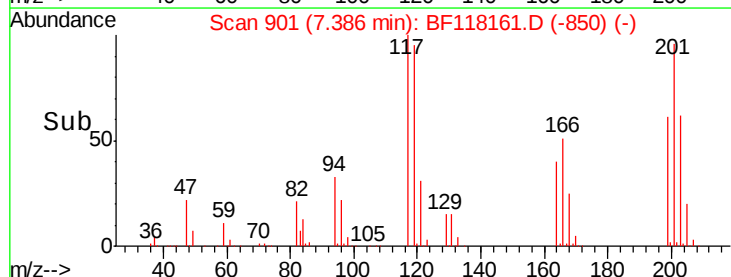
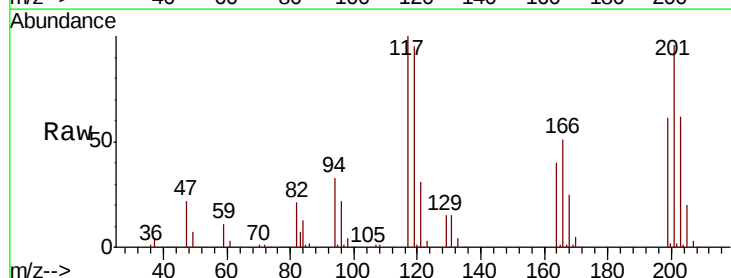
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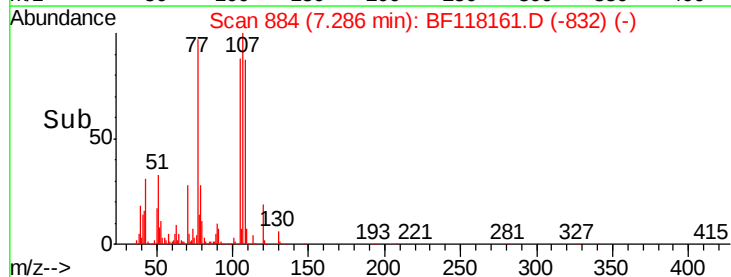
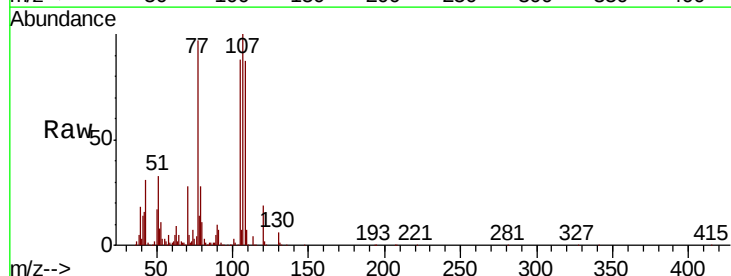
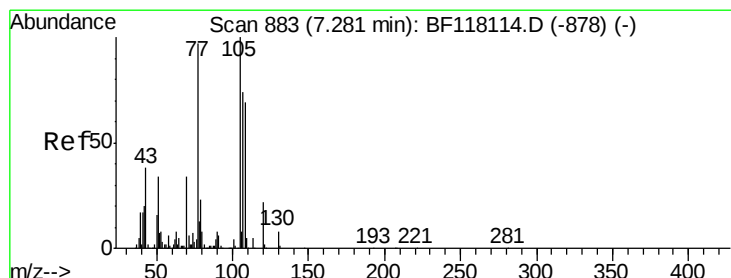
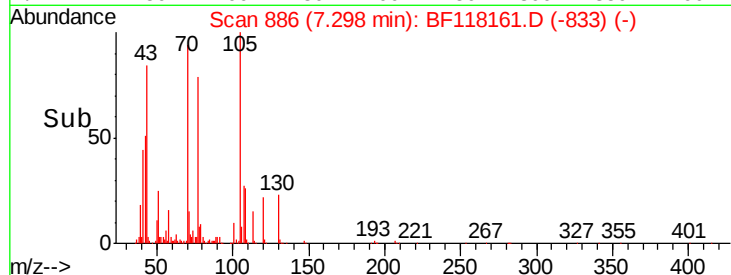
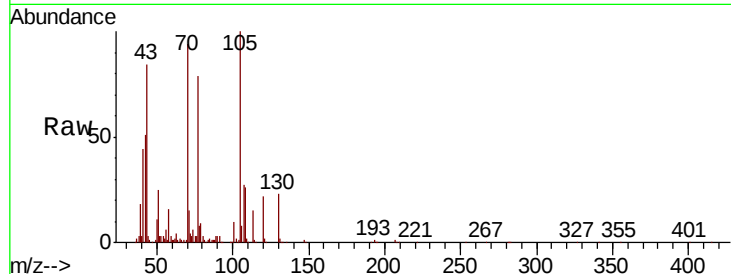
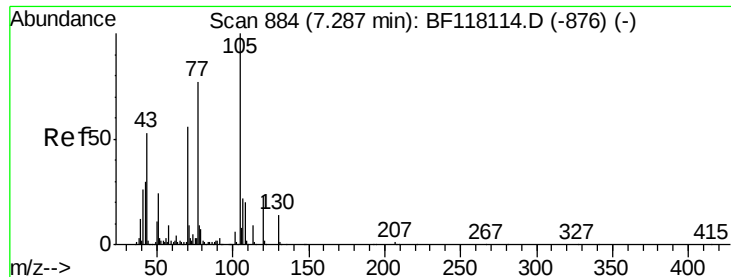
mohammad  
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#18  
Hexachloroethane  
Concen: 42.424 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

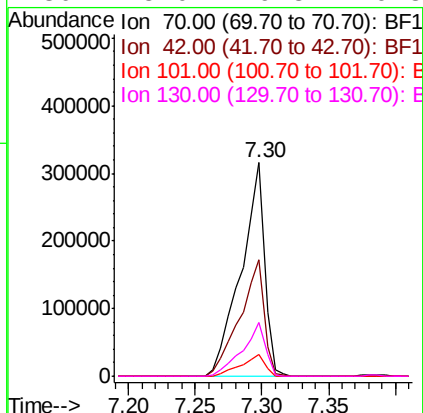
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.2  | 78.2 | 117.4 |       |
| 201     | 96.3  | 81.6 | 122.4 |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 48.807 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 70      | 100   |      |       |       |
| 42      | 54.8  | 43.2 | 64.8  |       |
| 101     | 10.4  | 8.1  | 12.1  |       |
| 130     | 25.0  | 19.8 | 29.8  |       |



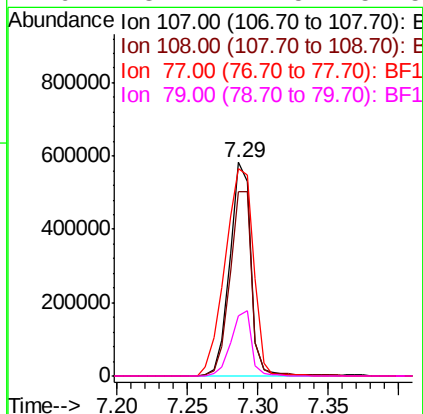
Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

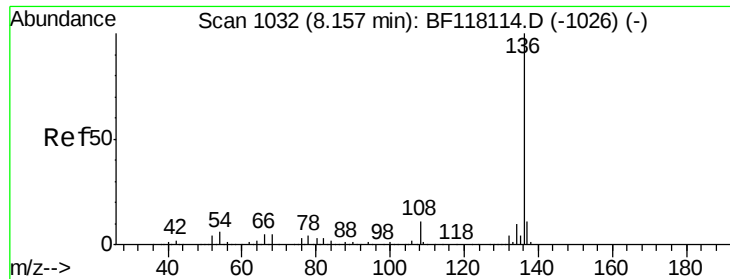
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#20  
3+4-Methylphenols  
Concen: 49.399 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 86.5  | 73.2  | 113.2 |       |
| 77      | 97.2  | 110.9 | 150.9 |       |
| 79      | 28.1  | 11.5  | 51.5  |       |





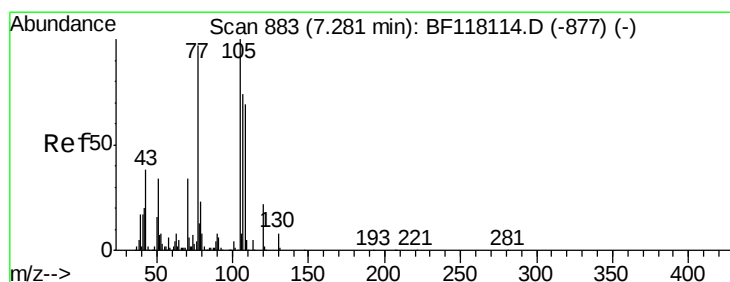
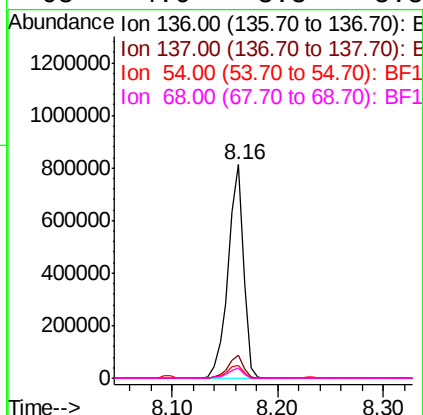
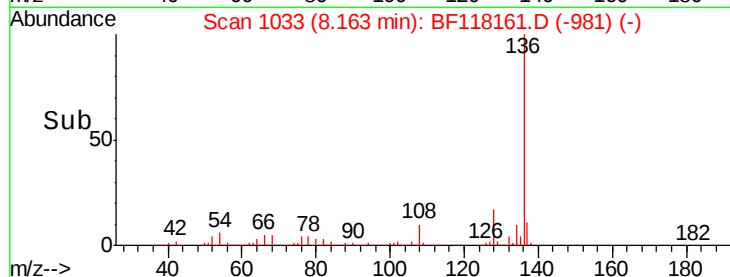
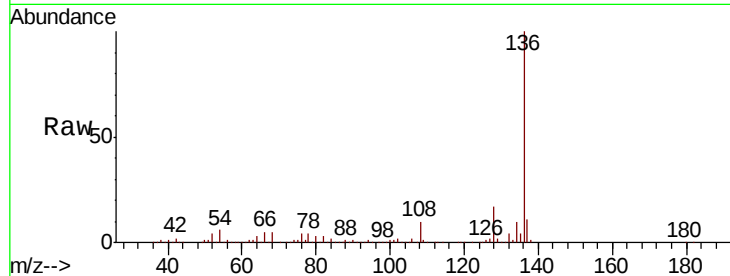
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 819031 |       |       |
| 137     | 10.9 |       | 9.0    | 13.6  |       |
| 54      | 6.0  |       | 5.0    | 7.6   |       |
| 68      | 4.6  |       | 3.8    | 5.8   |       |

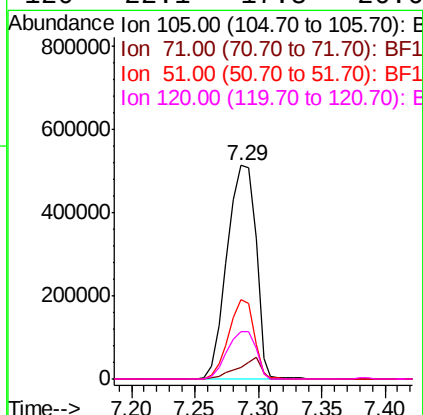
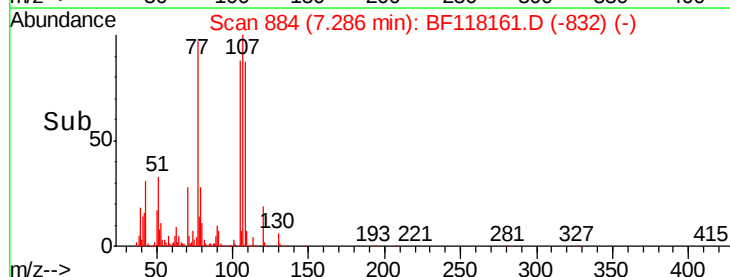
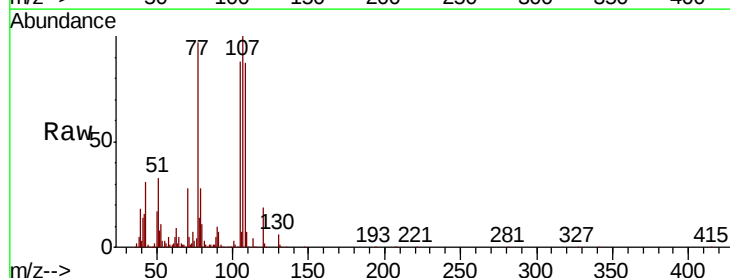
Manual Integrations  
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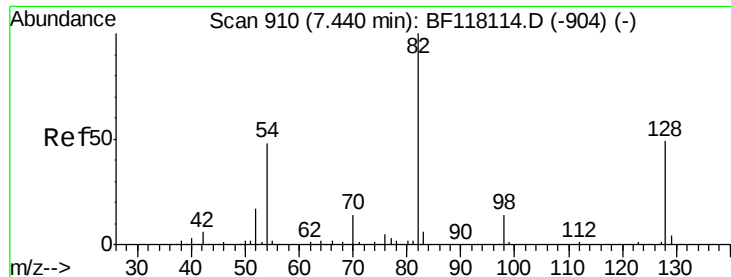
mohammad  
12/11/2019 12:31:29 PM



#22  
Acetophenone  
Concen: 41.096 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 808634 |       |       |
| 71      | 5.3  |       | 4.7    | 7.1   |       |
| 51      | 37.3 |       | 27.1   | 40.7  |       |
| 120     | 22.1 |       | 17.8   | 26.6  |       |





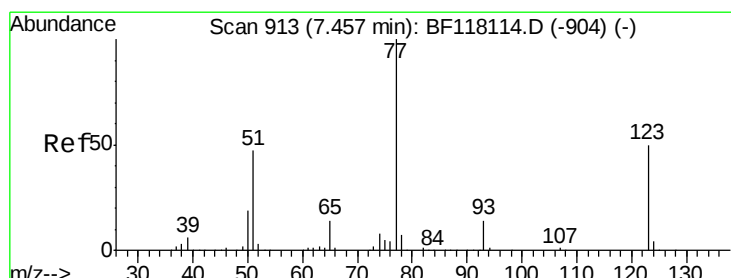
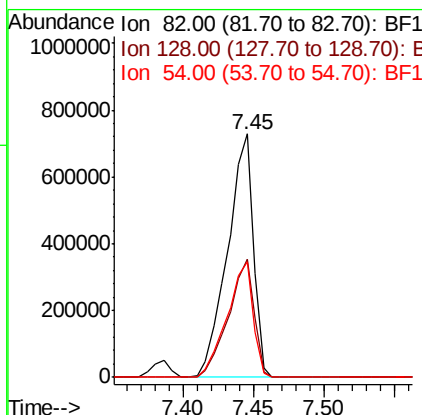
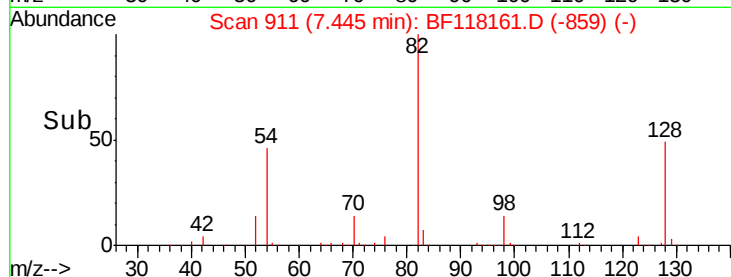
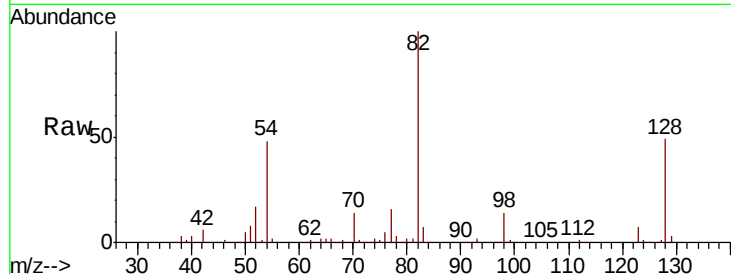
#23  
Nitrobenzene-d5  
Concen: 63.798 ng  
RT: 7.45 min Scan# 911  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleID :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.6  | 39.1  | 58.7  |
| 54      | 47.6  | 38.2  | 57.2  |

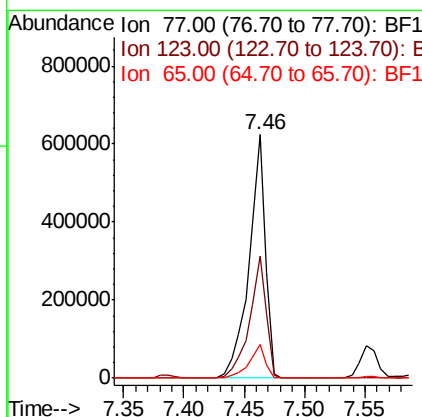
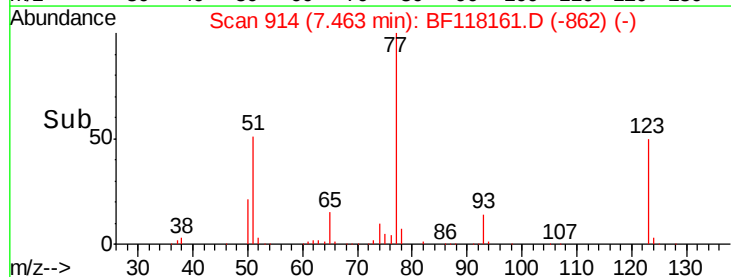
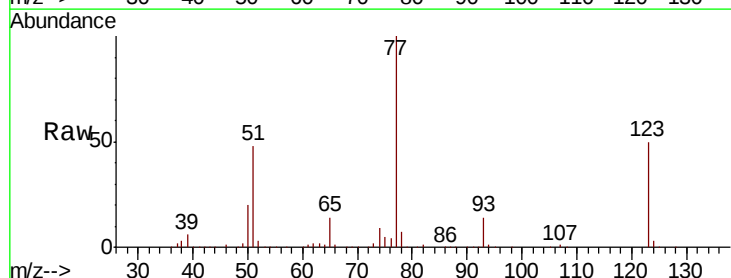
Manual Integrations  
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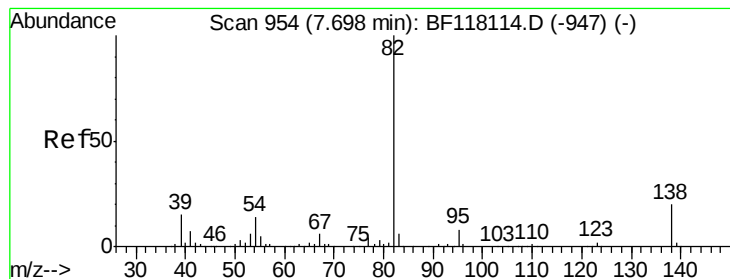
mohammad  
12/11/2019 12:31:29 PM



#24  
Nitrobenzene  
Concen: 41.468 ng  
RT: 7.46 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 50.2  | 40.1  | 60.1  |
| 65      | 14.0  | 10.9  | 16.3  |





#25

Isophorone

Concen: 43.929 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion: 82 Resp: 1084160

Ion Ratio Lower Upper

82 100

95 8.0 6.3 9.5

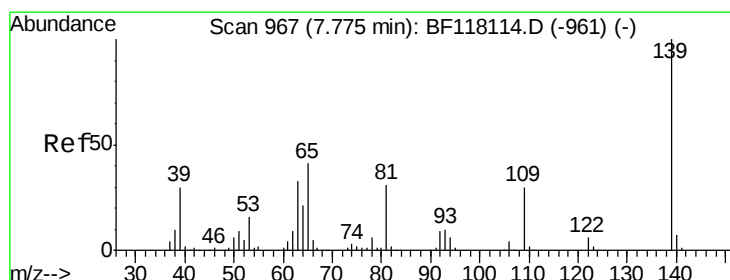
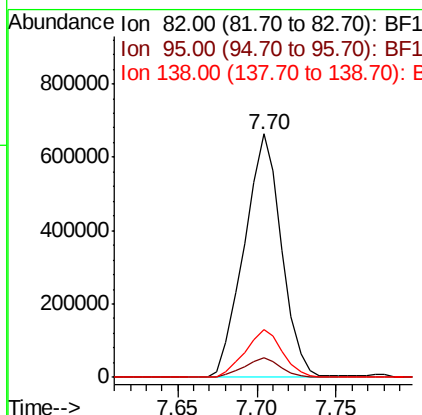
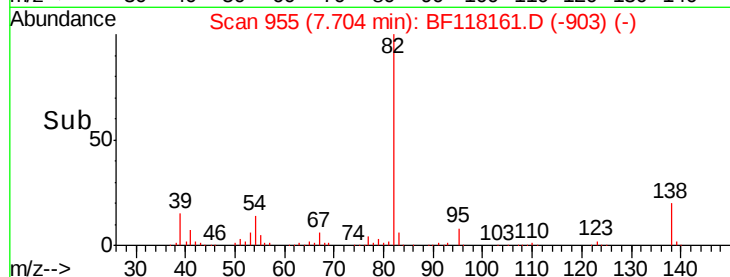
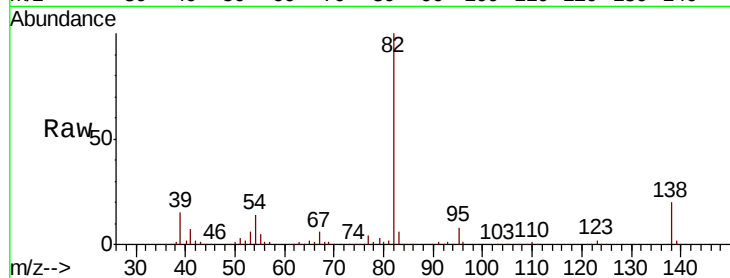
138 19.7 16.3 24.5

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#26

2-Nitrophenol

Concen: 44.591 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

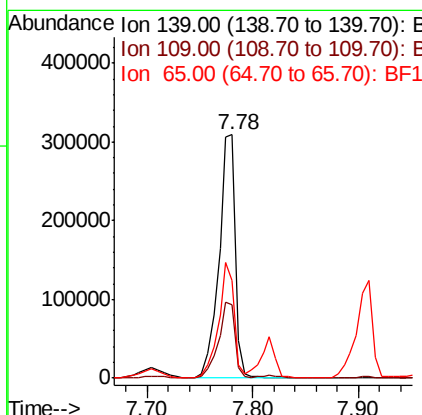
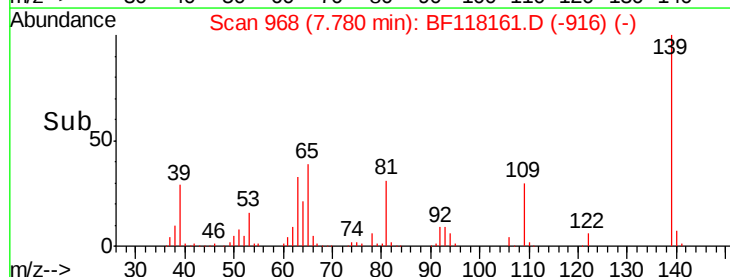
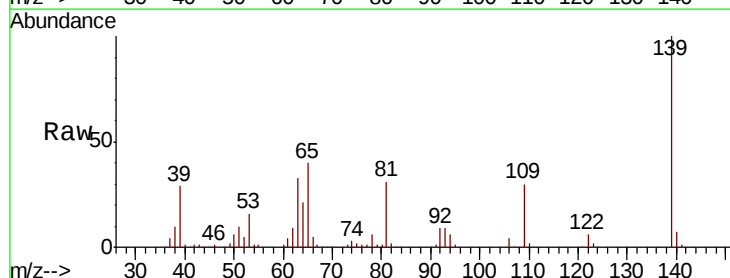
Tgt Ion: 139 Resp: 340903

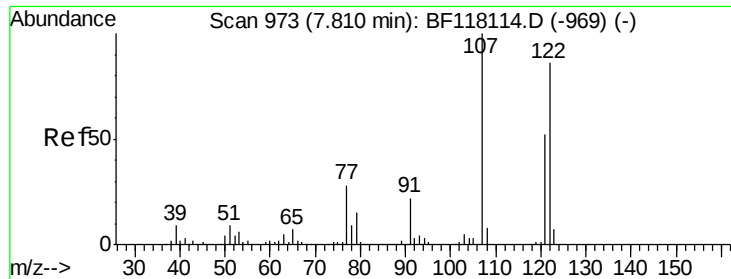
Ion Ratio Lower Upper

139 100

109 29.9 23.9 35.9

65 39.9 33.0 49.6





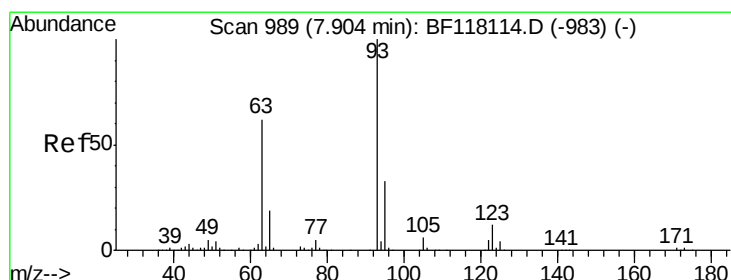
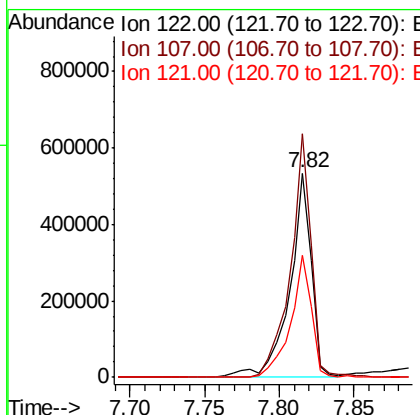
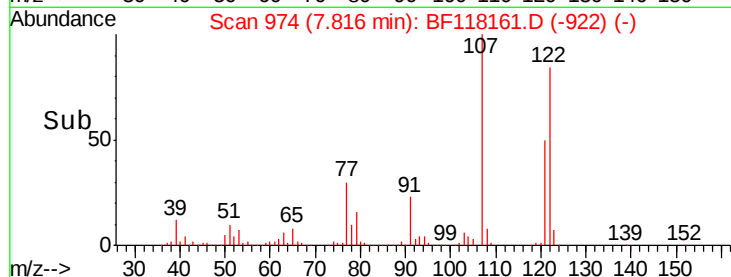
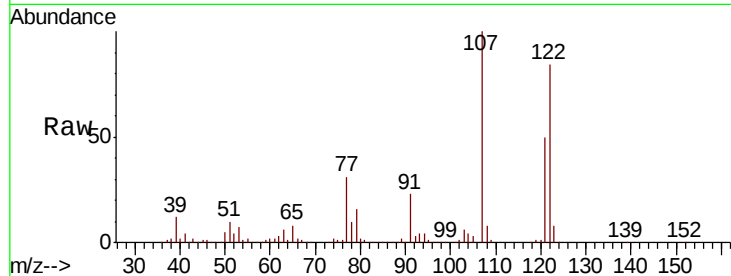
#27  
2,4-Dimethylphenol  
Concen: 53.622 ng  
RT: 7.82 min Scan# 974  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 546824 |       |       |
| 107     | 119.1 | 92.9   | 139.3 |       |
| 121     | 59.4  | 48.3   | 72.5  |       |

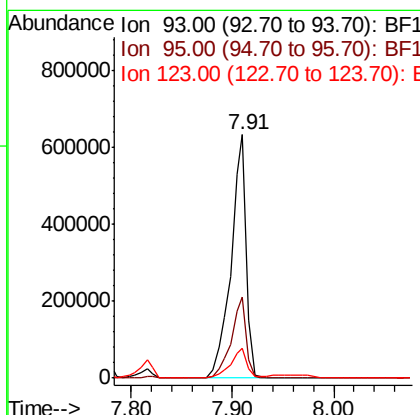
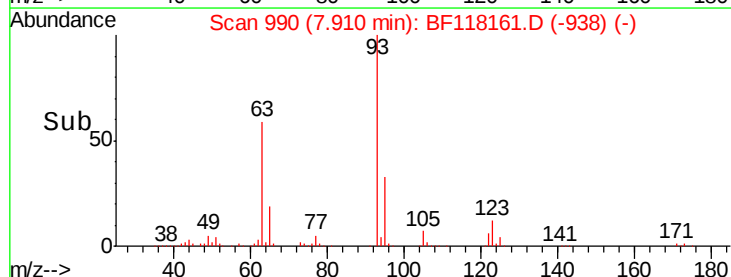
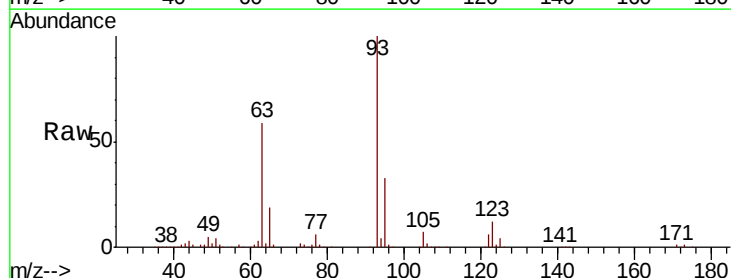
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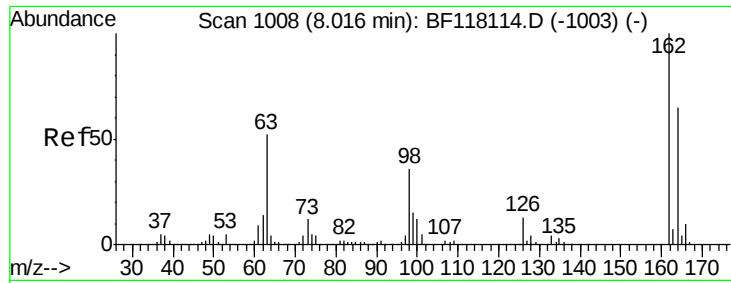
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#28  
bis(2-Chloroethoxy)methane  
Concen: 40.829 ng  
RT: 7.91 min Scan# 990  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 658436 |       |       |
| 95      | 33.4  | 26.7   | 40.1  |       |
| 123     | 12.5  | 10.0   | 15.0  |       |





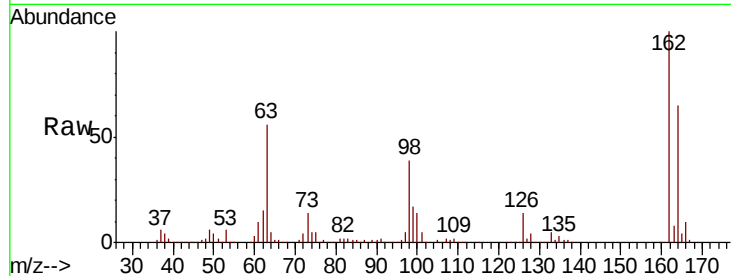
#29  
2,4-Dichlorophenol  
Concen: 43.408 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 516043 |       |       |
| 164     | 65.0  | 45.2   | 85.2  |       |
| 98      | 38.5  | 15.9   | 55.9  |       |

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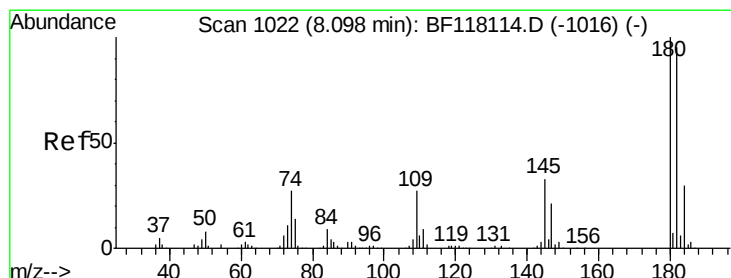
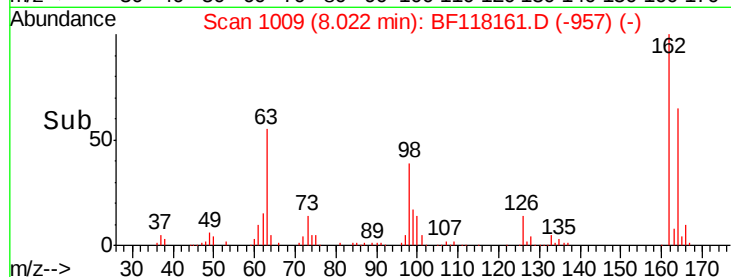
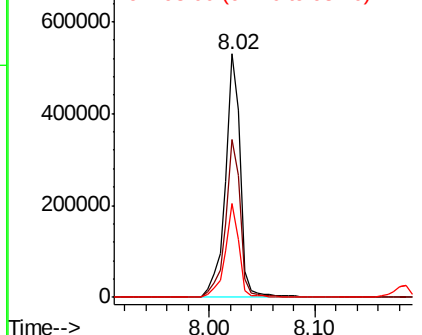


Abundance

Ion 162.00 (161.70 to 162.70): E

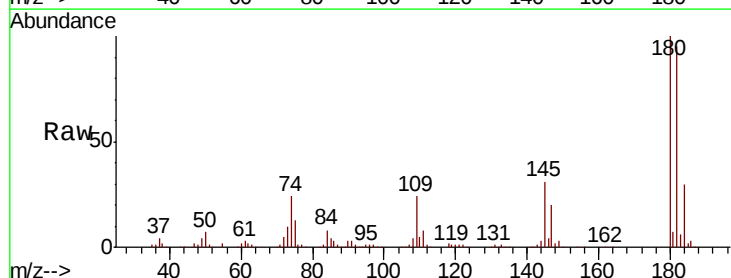
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
1,2,4-Trichlorobenzene  
Concen: 39.834 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 553419 |       |       |
| 182     | 95.1  | 76.1   | 114.1 |       |
| 145     | 30.9  | 26.1   | 39.1  |       |

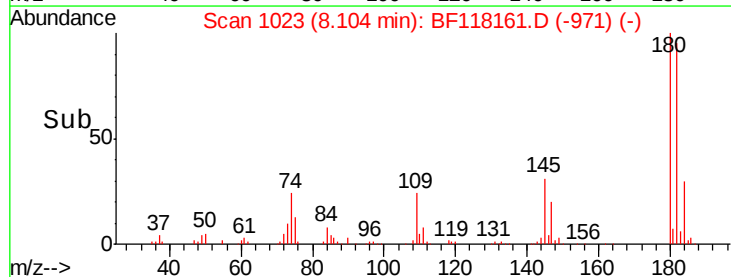
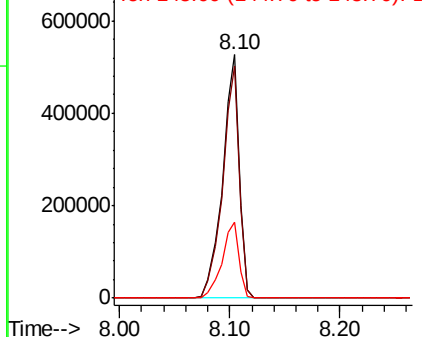


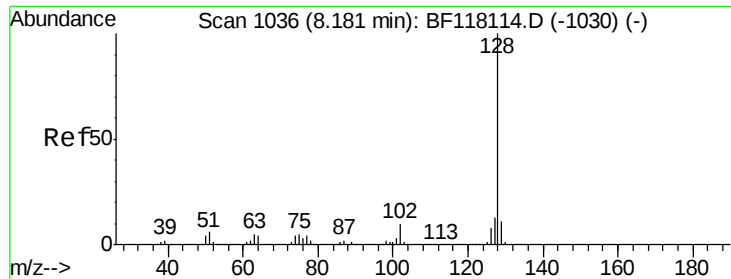
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





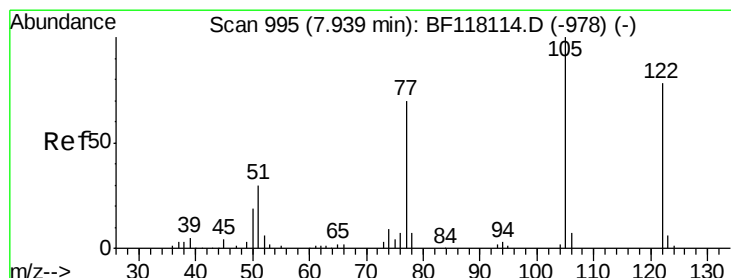
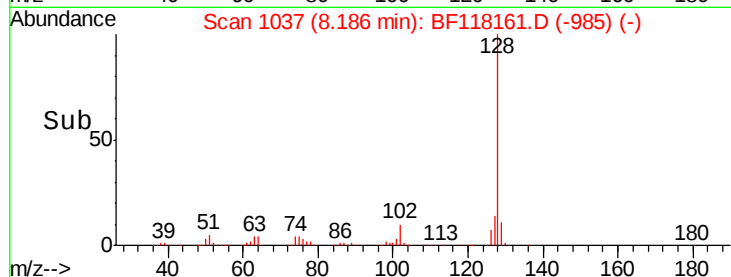
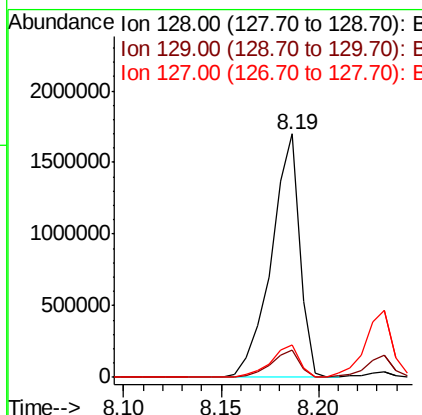
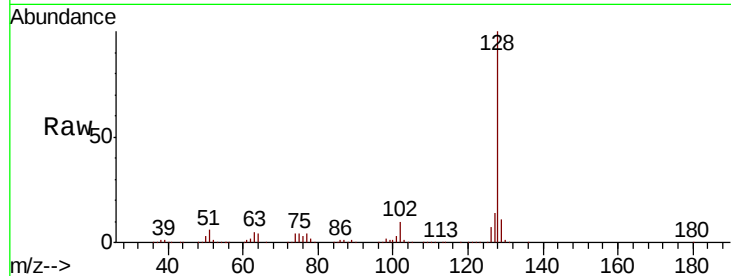
#31  
Naphthalene  
Concen: 41.655 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.4  | 9.1   | 13.7  |
| 127     | 13.6  | 10.6  | 16.0  |

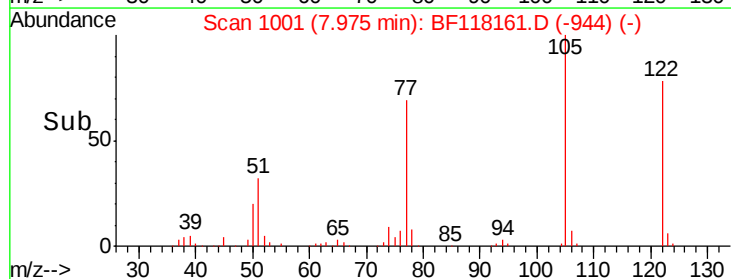
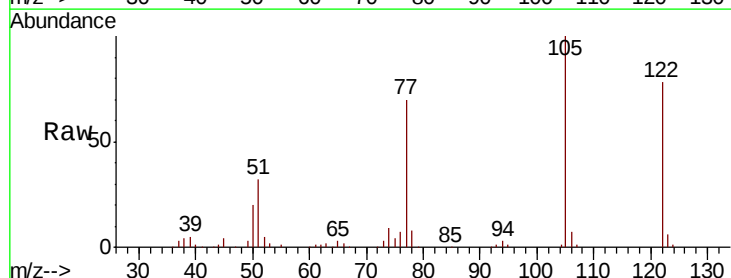
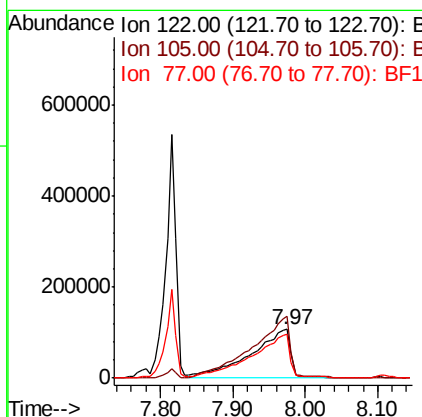
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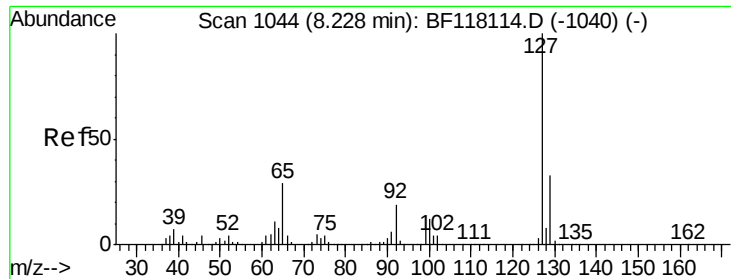
mohammad  
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#32  
Benzoic acid  
Concen: 43.964 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. 0.04 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 128.0 | 104.7 | 144.7 |
| 77      | 89.1  | 69.1  | 109.1 |





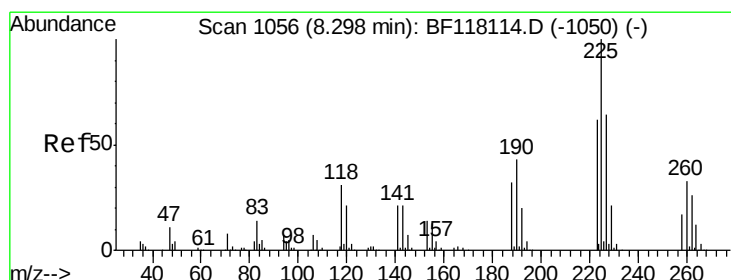
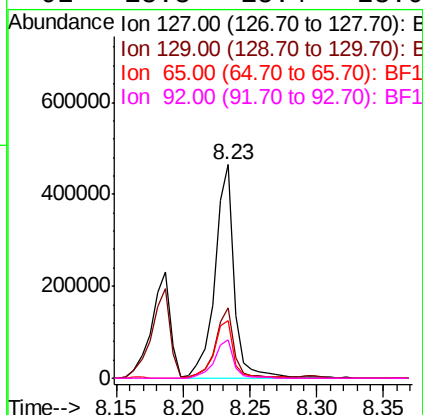
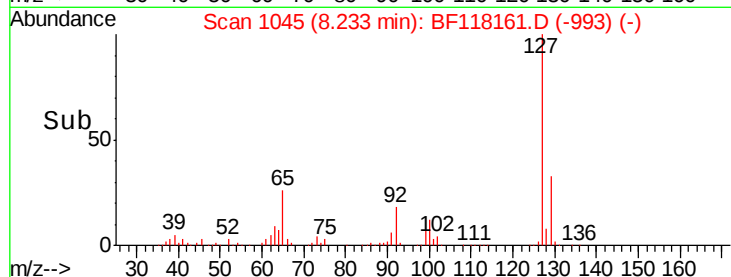
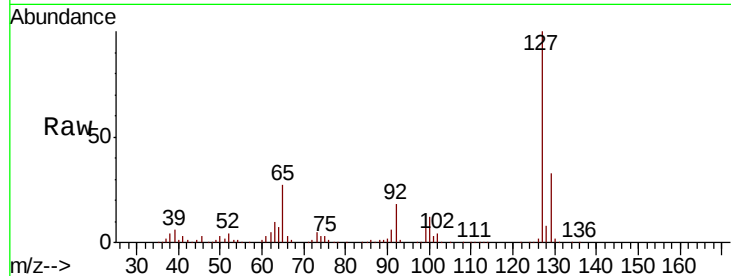
#33  
4-Chloroaniline  
Concen: 26.357 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.8 | 26.6  | 40.0 |       |       |
| 65      | 26.8 | 23.2  | 34.8 |       |       |
| 92      | 18.3 | 15.4  | 23.0 |       |       |

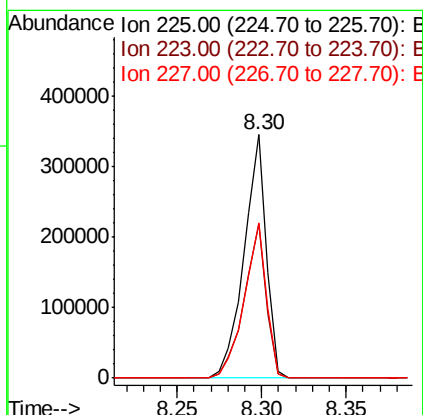
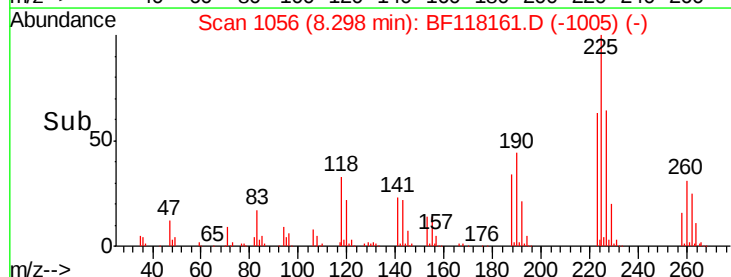
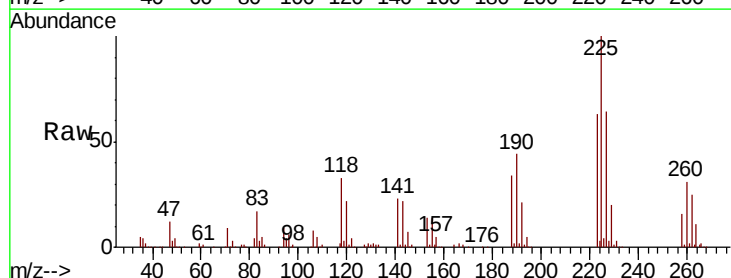
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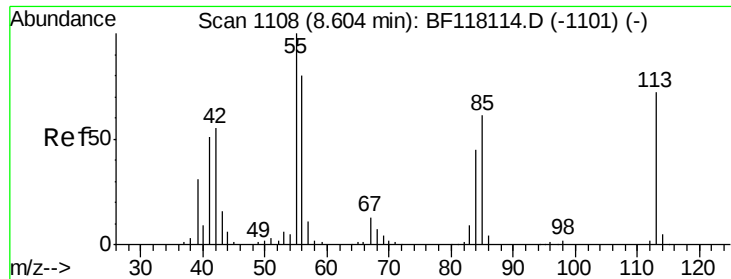
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#34  
Hexachlorobutadiene  
Concen: 38.200 ng  
RT: 8.30 min Scan# 1056  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.3 | 49.6  | 74.4 |       |       |
| 227     | 63.5 | 51.0  | 76.6 |       |       |





#35

Caprolactam

Concen: 36.375 ng/mL

RT: 8.63 min Scan# 1113

Delta R.T. 0.03 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:113 Resp: 133356

Ion Ratio Lower Upper

113 100

55 129.5 118.9 158.9

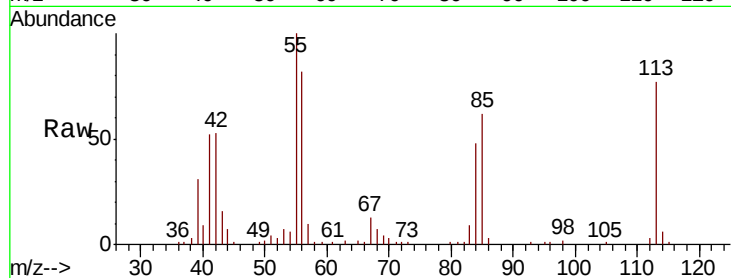
56 105.9 91.4 131.4

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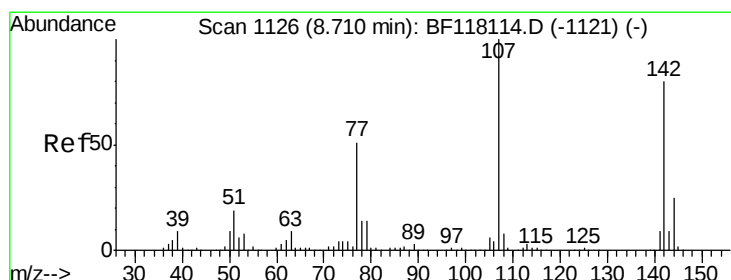
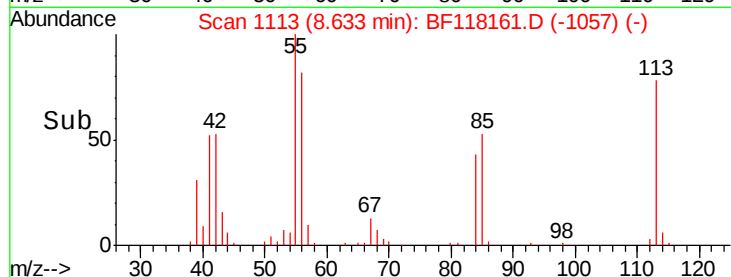
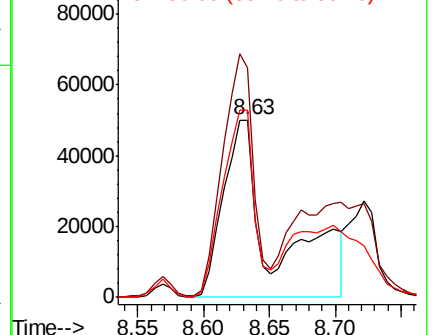
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 44.013 ng/mL

RT: 8.73 min Scan# 1129

Delta R.T. 0.02 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

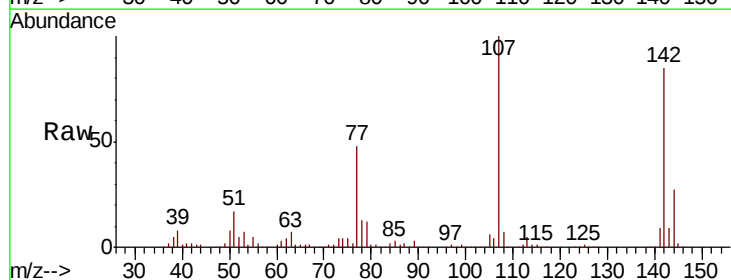
Tgt Ion:107 Resp: 550628

Ion Ratio Lower Upper

107 100

144 27.4 20.3 30.5

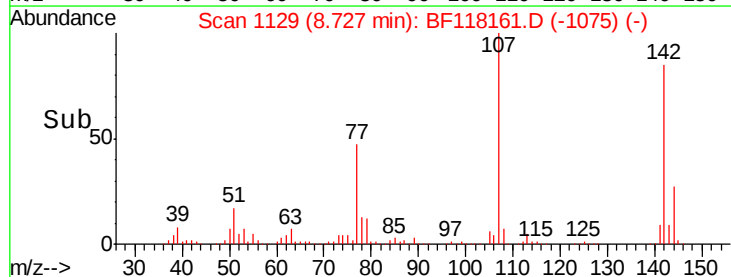
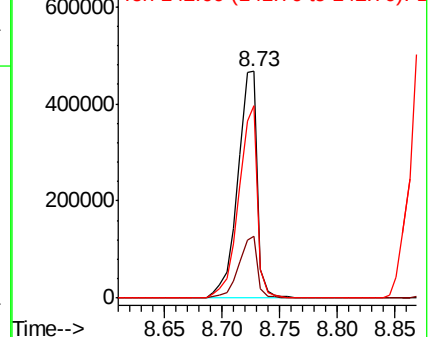
142 85.0 63.7 95.5

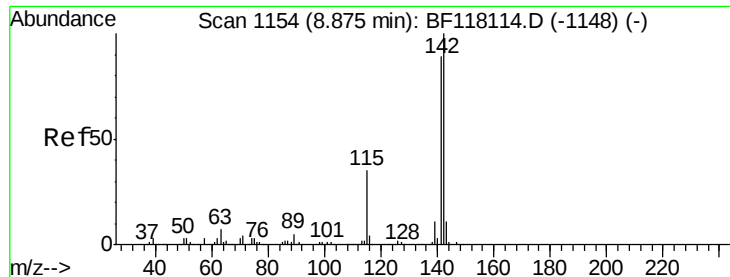


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





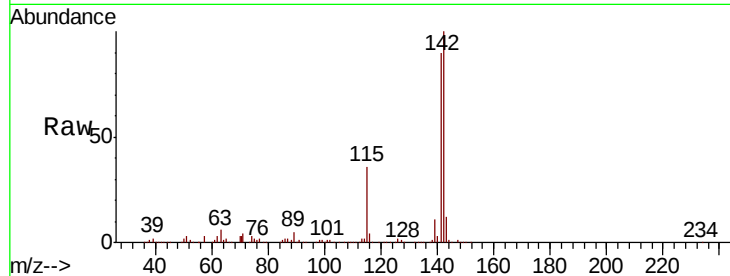
#37  
2-Methylnaphthalene  
Concen: 43.041 ng  
RT: 8.88 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.2  | 71.4  | 107.0 |
| 115     | 36.2  | 28.2  | 42.4  |

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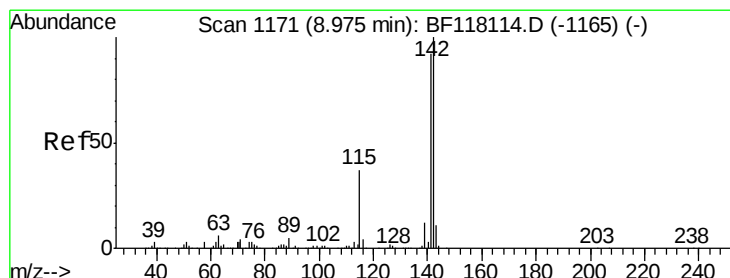
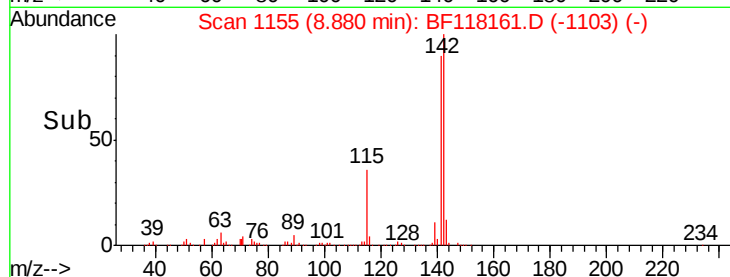
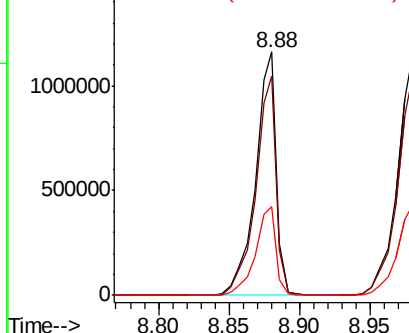


Abundance

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: 42.998 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

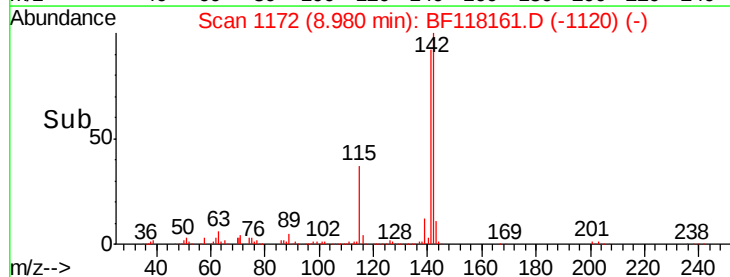
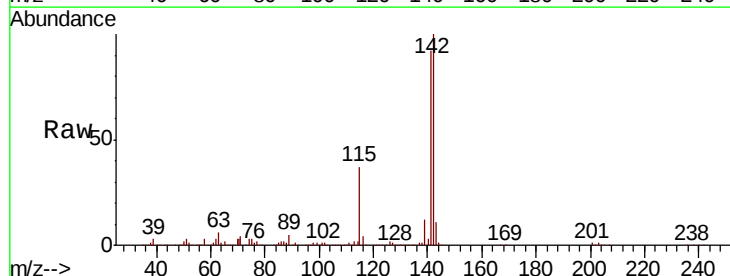
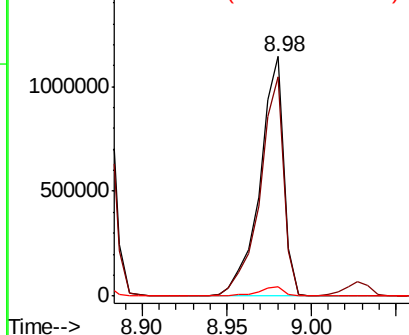
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.9  | 74.0  | 111.0 |
| 116     | 3.9   | 3.2   | 4.8   |

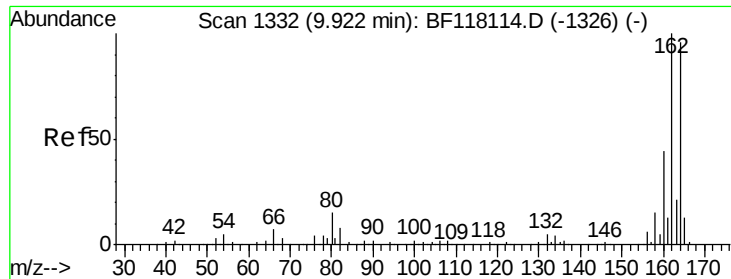
Abundance

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: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:164 Resp: 443235

Ion Ratio Lower Upper

164 100

162 104.0 83.4 125.0

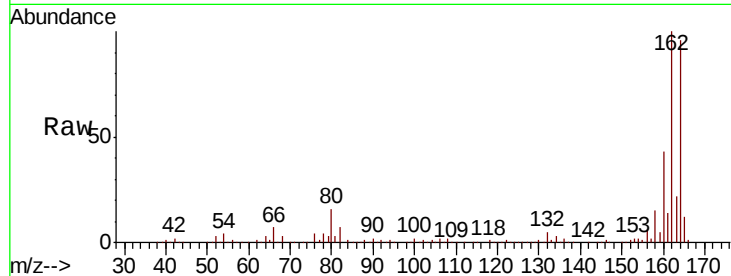
160 44.8 36.6 54.8

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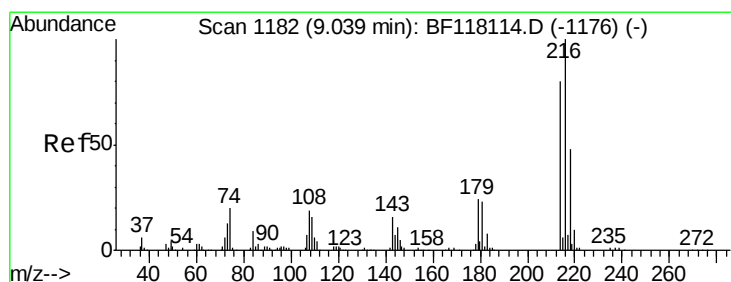
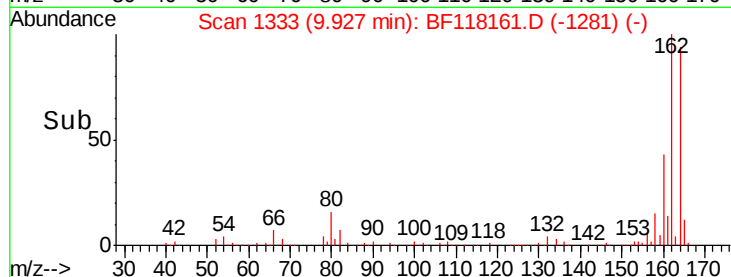
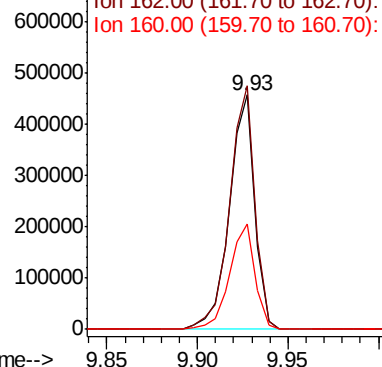


Abundance

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: 39.211 ng

RT: 9.05 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Tgt Ion:216 Resp: 526500

Ion Ratio Lower Upper

216 100

214 78.1 63.4 95.2

179 23.4 18.6 27.8

108 21.4 15.4 23.0

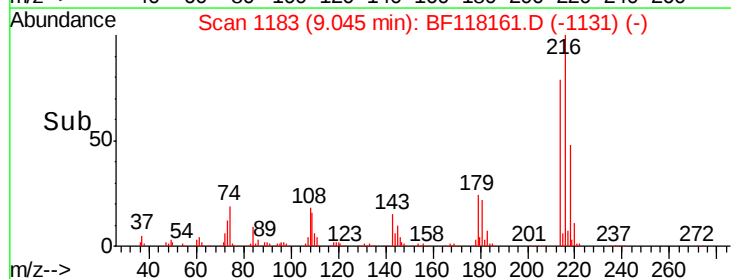
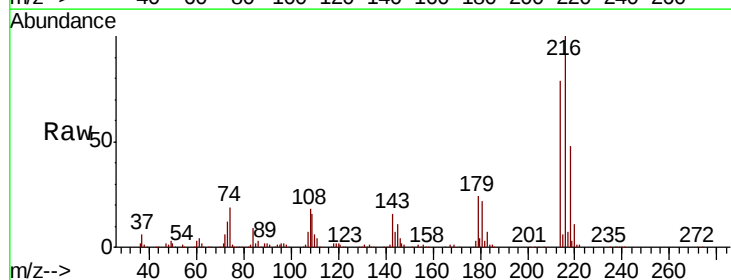
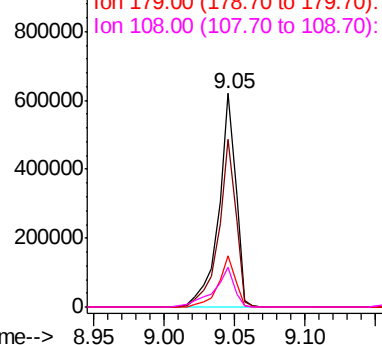
Abundance

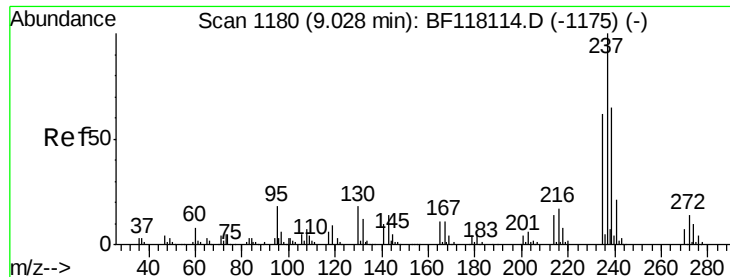
Ion 216.00 (215.70 to 216.70): E

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





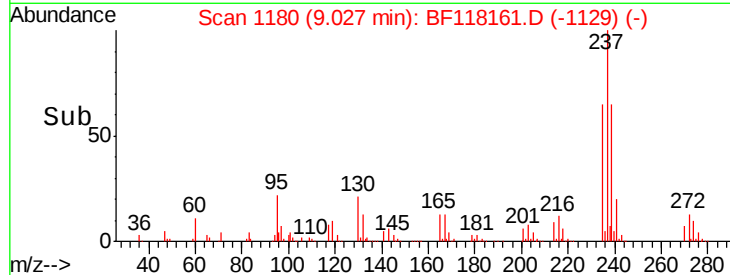
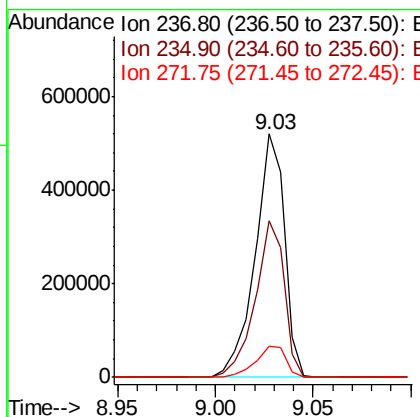
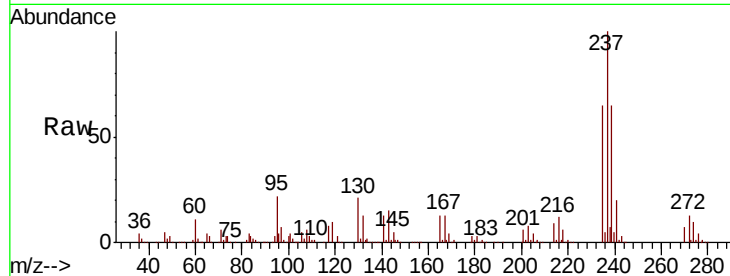
#41  
Hexachlorocyclopentadiene  
Concen: 90.392 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 64.5  | 41.5       | 81.5  |
| 272     | 12.7  | 0.0        | 33.7  |

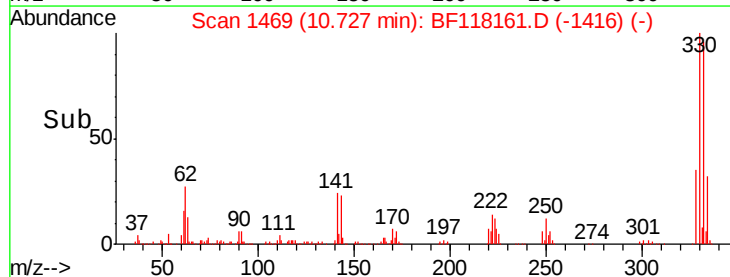
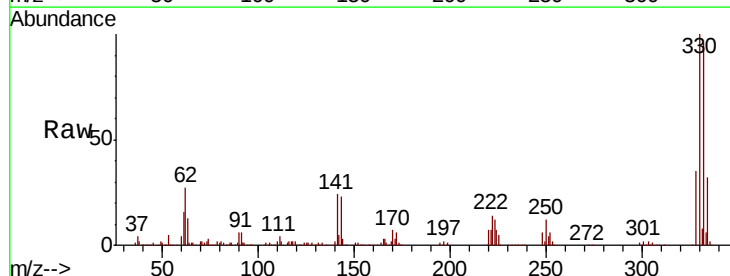
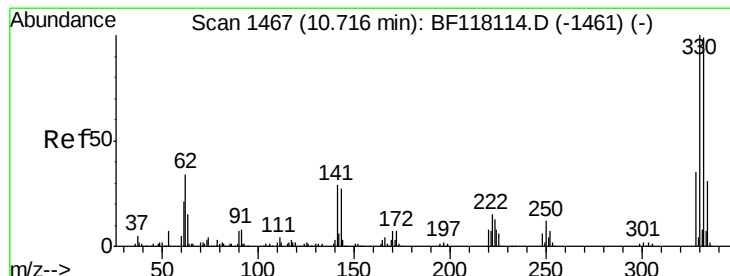
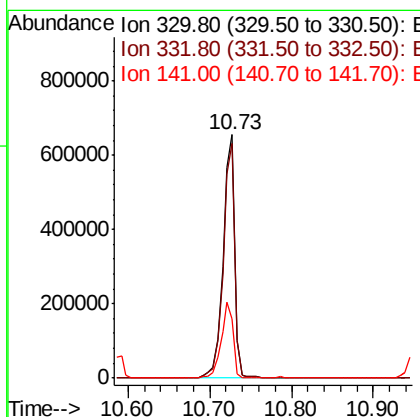
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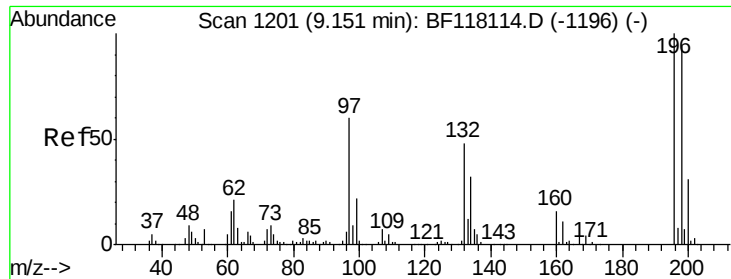
mohammad  
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#42  
2,4,6-Tribromophenol  
Concen: 119.323 ng  
RT: 10.73 min Scan# 1469  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.8  | 78.1       | 117.1 |
| 141     | 32.4  | 26.9       | 40.3  |





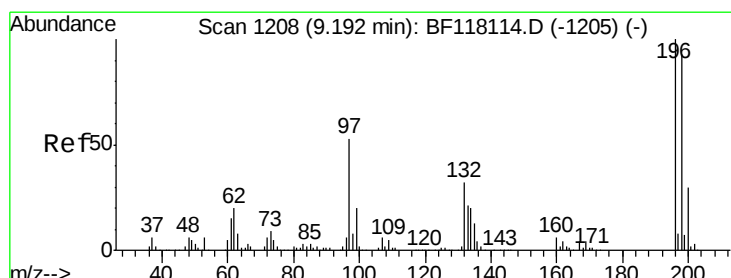
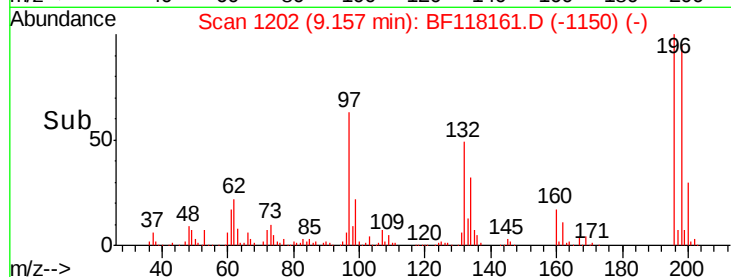
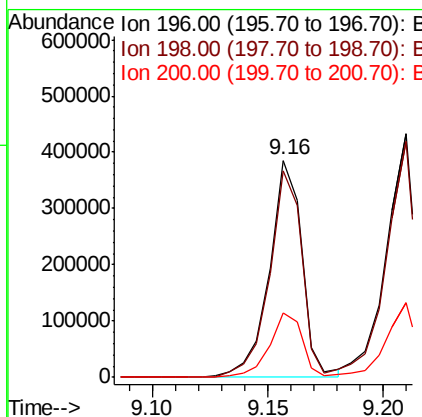
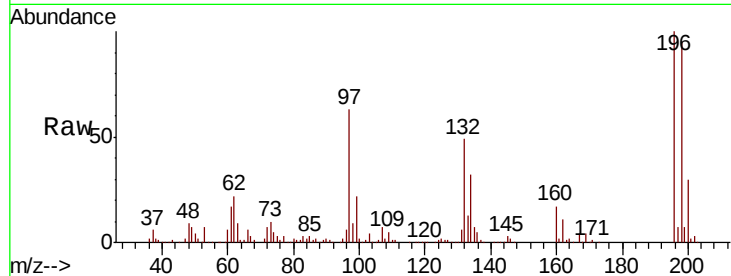
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.266 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB125313BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 378918 |       |       |
| 198     | 95.1  | 75.0   | 112.4 |       |
| 200     | 30.0  | 24.5   | 36.7  |       |

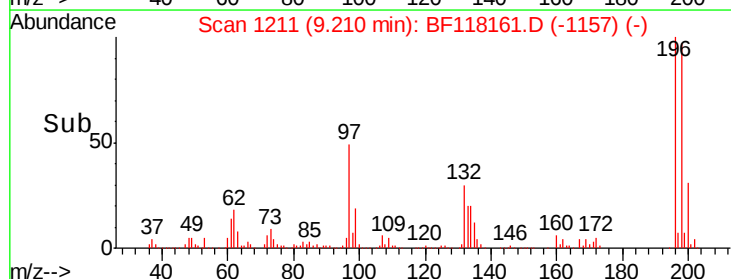
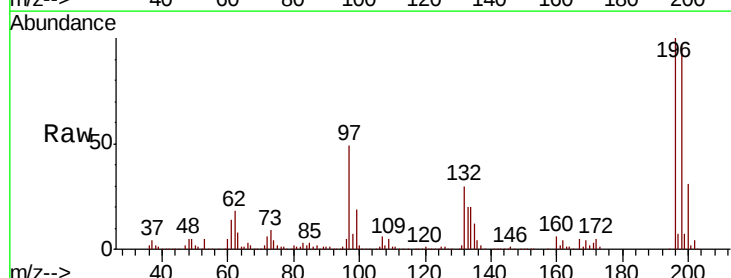
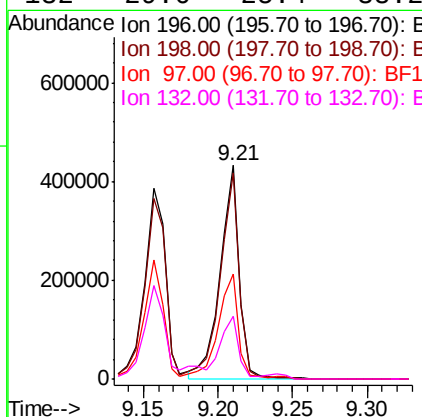
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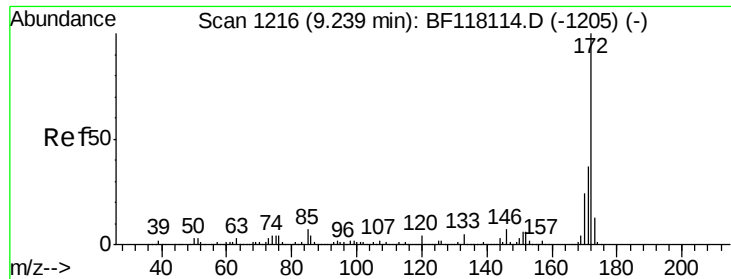
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#44  
 2,4,5-Trichlorophenol  
 Concen: 42.098 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.02 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 391014 |       |       |
| 198     | 96.7  | 74.2   | 111.4 |       |
| 97      | 49.1  | 42.5   | 63.7  |       |
| 132     | 29.6  | 25.4   | 38.2  |       |





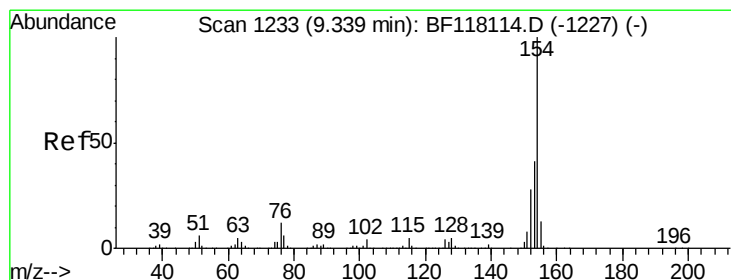
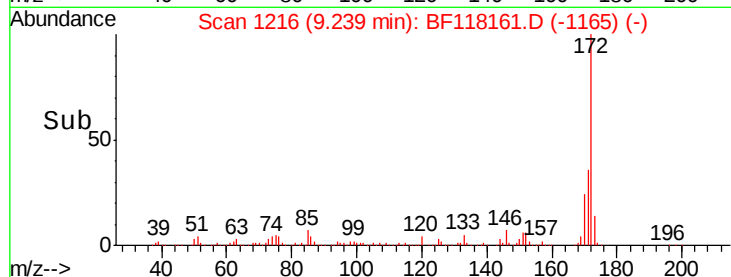
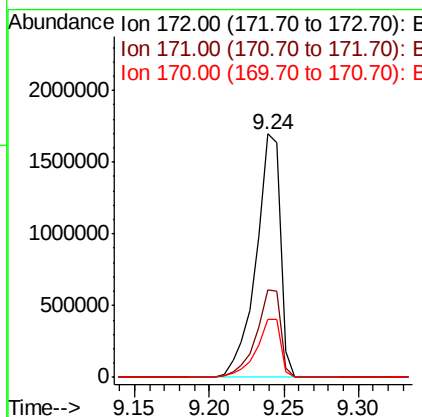
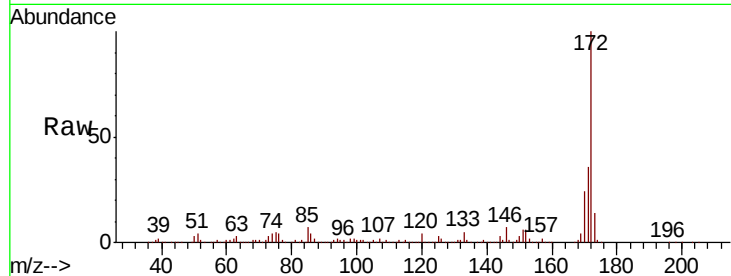
#45  
2-Fluorobiphenyl  
Concen: 64.993 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.2  | 43.8  |
| 170     | 24.0  | 19.4  | 29.2  |

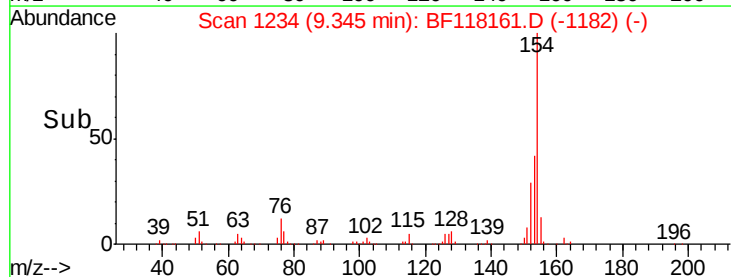
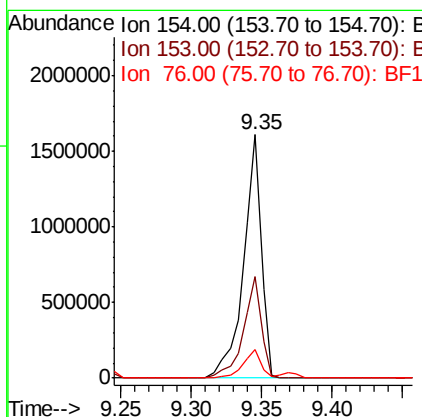
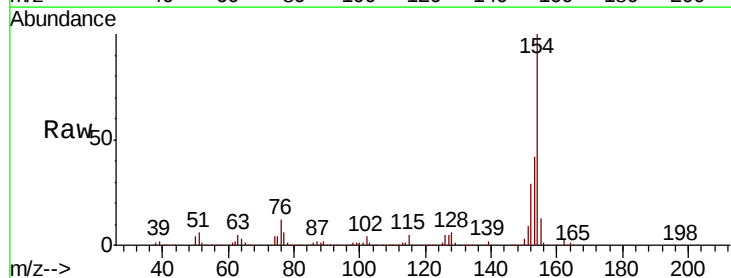
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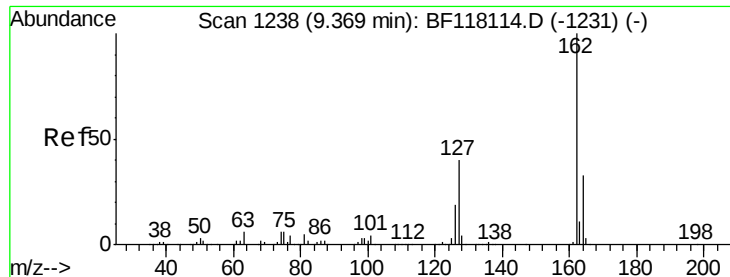
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#46  
1,1'-Biphenyl  
Concen: 40.418 ng  
RT: 9.35 min Scan# 1234  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.8  | 20.7  | 60.7  |
| 76      | 11.8  | 0.0   | 31.9  |





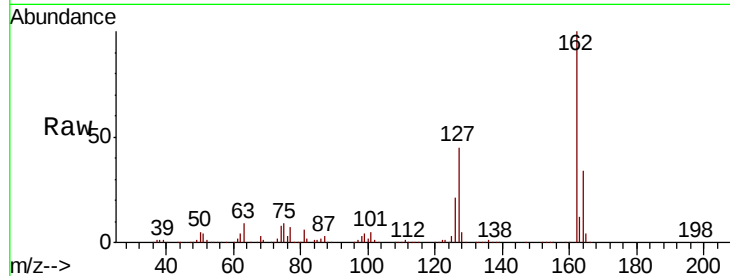
#47  
2-Chloronaphthalene  
Concen: 39.178 ng  
RT: 9.37 min Scan# 1238  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

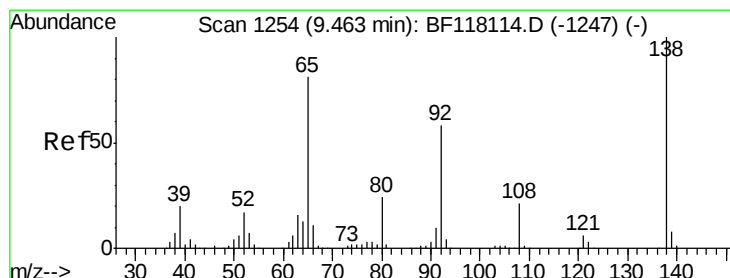
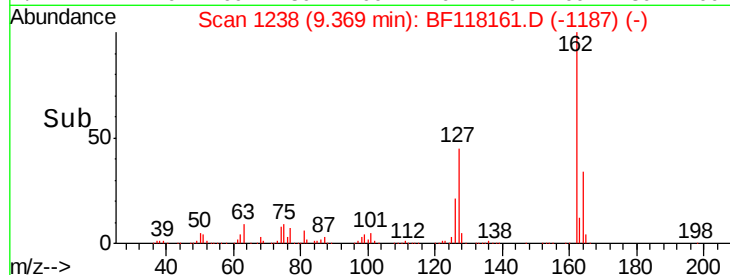
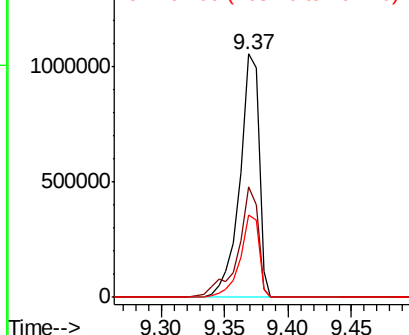
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 45.2  | 32.0  | 48.0  |
| 164     | 33.6  | 26.1  | 39.1  |

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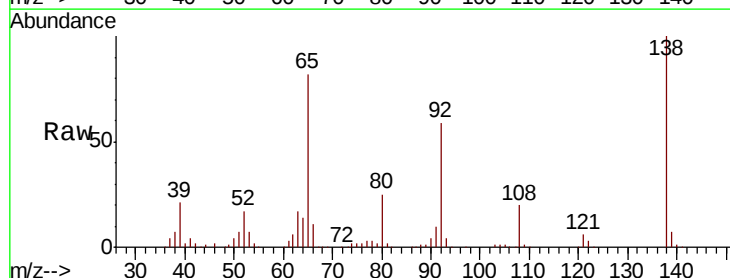


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

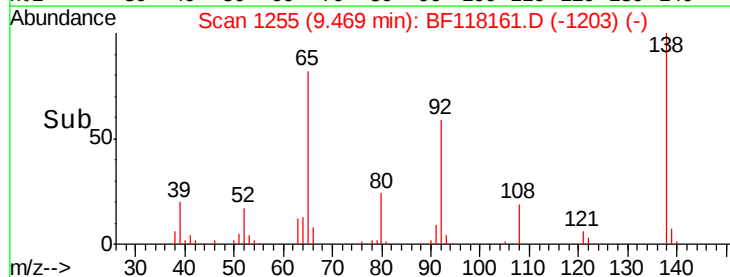
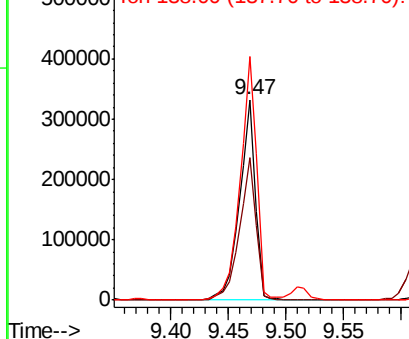


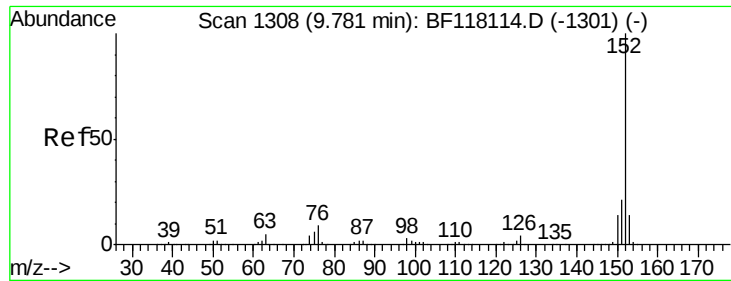
#48  
2-Nitroaniline  
Concen: 39.777 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 71.3  | 57.8  | 86.6  |
| 138     | 121.5 | 98.8  | 148.2 |



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





#49

Acenaphthylene

Concen: 41.824 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:152 Resp: 1734638

Ion Ratio Lower Upper

152 100

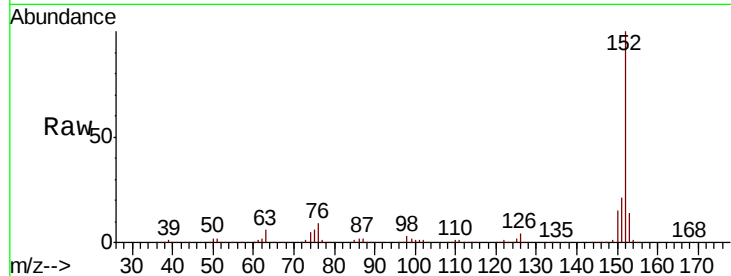
151 21.0 16.4 24.6

153 13.7 10.8 16.2

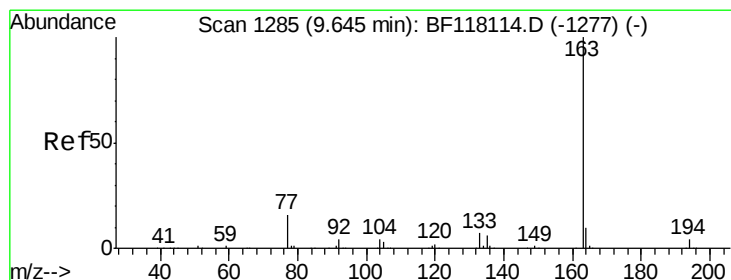
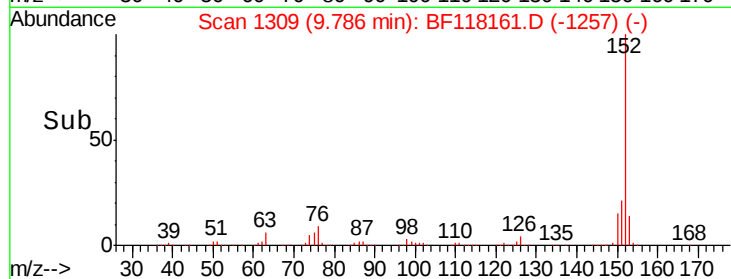
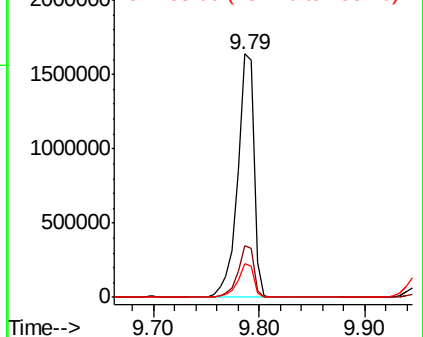
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.775 ng

RT: 9.65 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

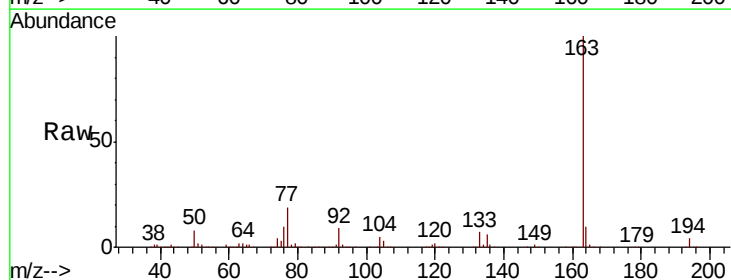
Tgt Ion:163 Resp: 1334952

Ion Ratio Lower Upper

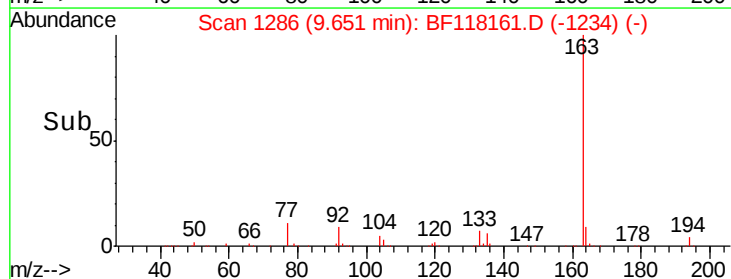
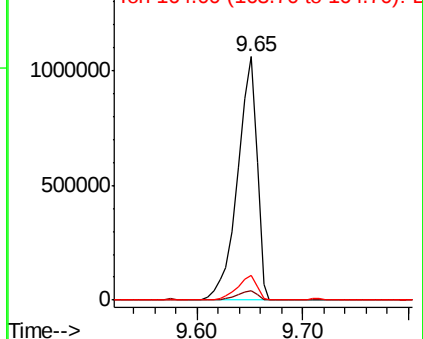
163 100

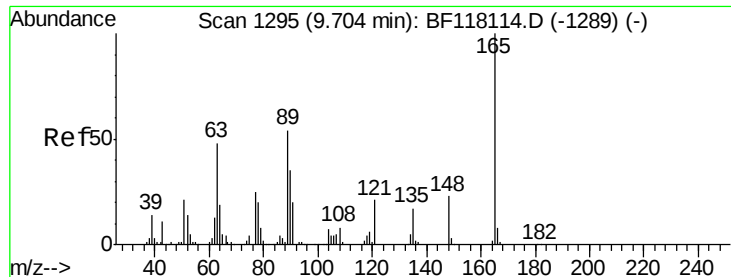
194 3.8 3.1 4.7

164 10.1 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





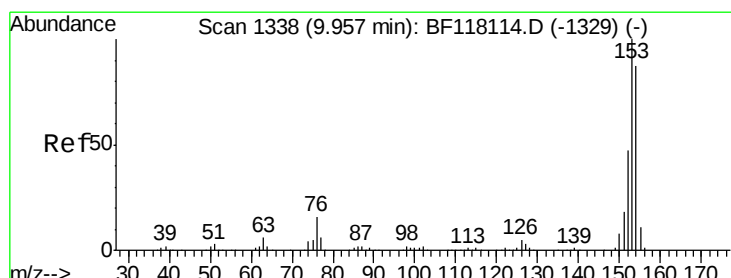
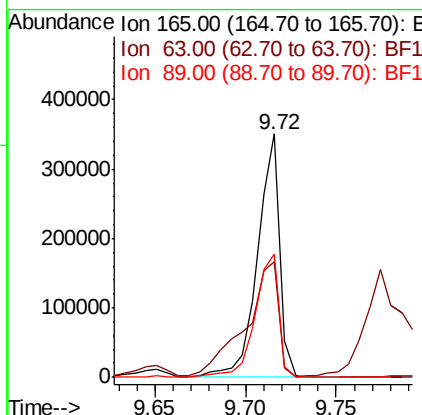
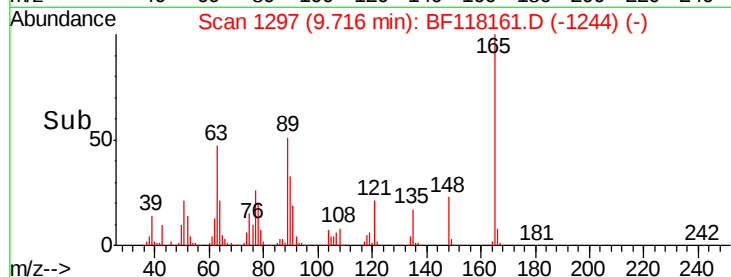
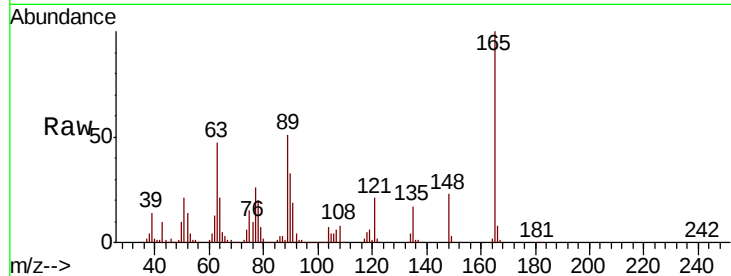
#51  
2,6-Dinitrotoluene  
Concen: 42.005 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 47.3  | 41.4       | 62.0  |
| 89      | 50.7  | 42.9       | 64.3  |

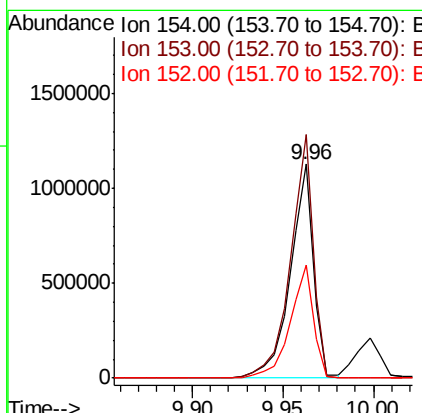
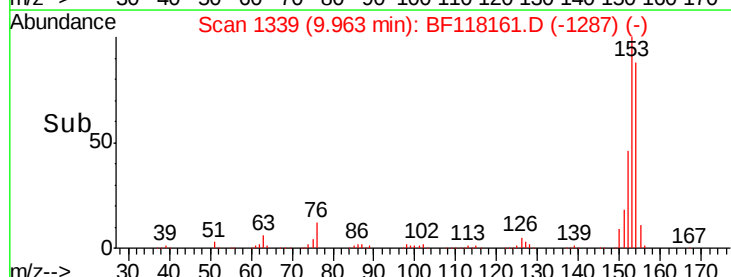
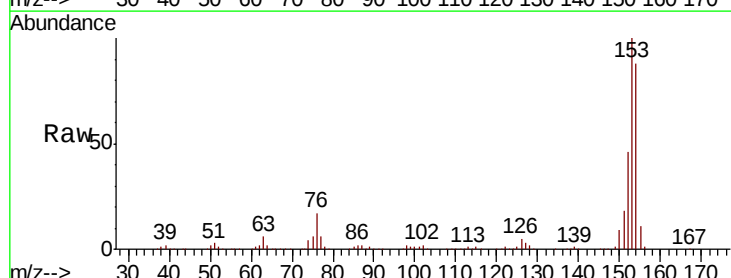
Manual Integrations  
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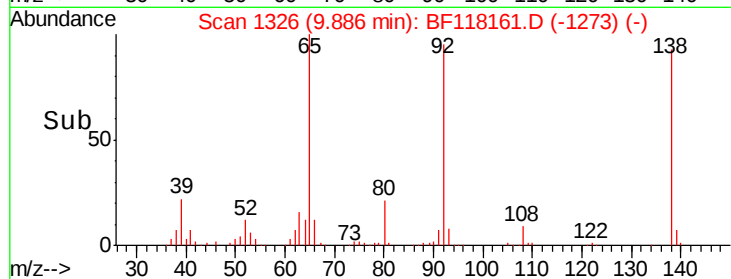
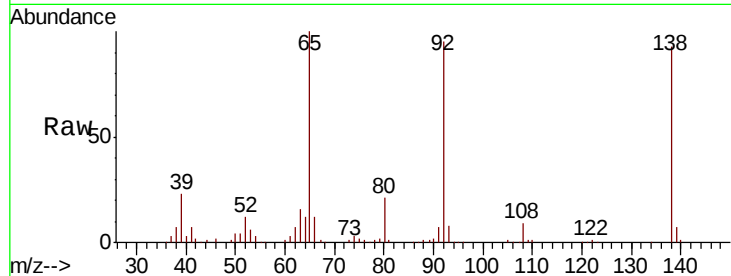
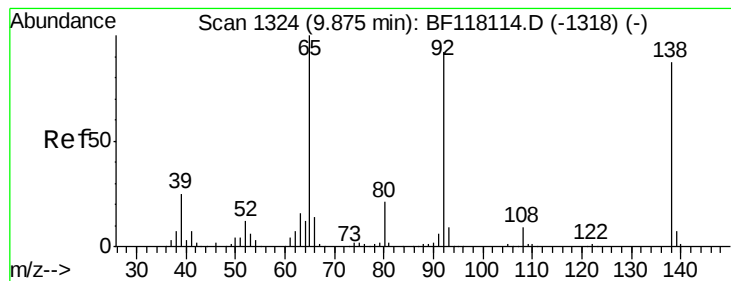
mohammad  
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#52  
Acenaphthene  
Concen: 39.993 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 154     | 100   |            |       |
| 153     | 113.7 | 91.8       | 137.6 |
| 152     | 52.8  | 43.3       | 64.9  |





#53

3-Nitroaniline

Concen: 29.604 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 248020 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.8   | 8.2   | 12.4   |
| 92        | 102.5 | 84.9  | 127.3  |

Instrument :

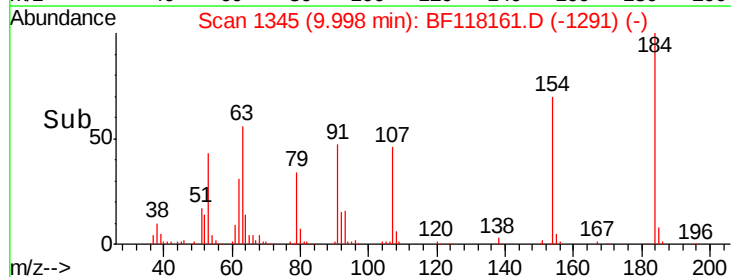
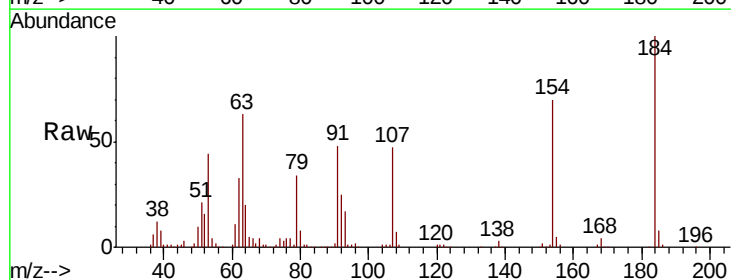
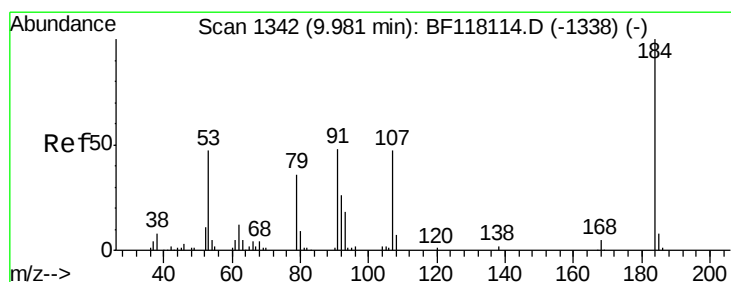
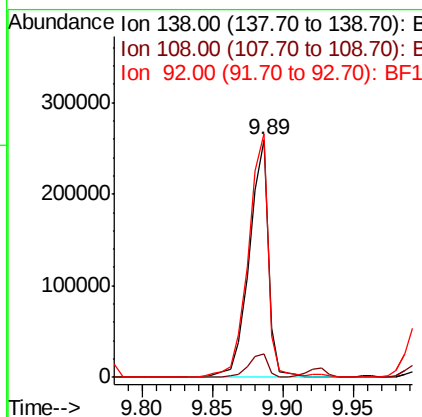
BNA\_F

ClientSampleId :

PB125313BS

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#54

2,4-Dinitrophenol

Concen: 86.719 ng

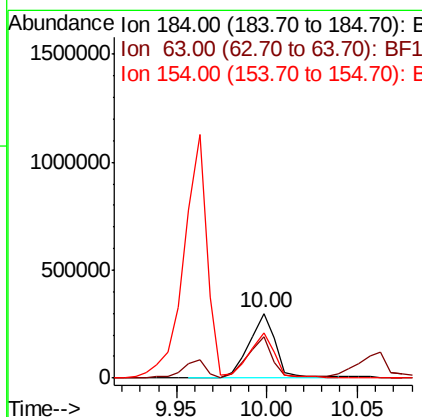
RT: 10.00 min Scan# 1345

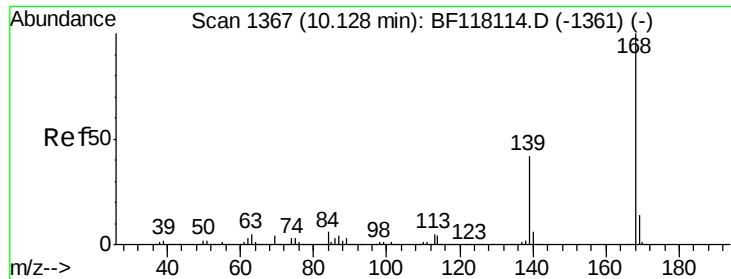
Delta R.T. 0.02 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 307140 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 63        | 63.4  | 53.9  | 80.9   |
| 154       | 70.5  | 56.3  | 84.5   |





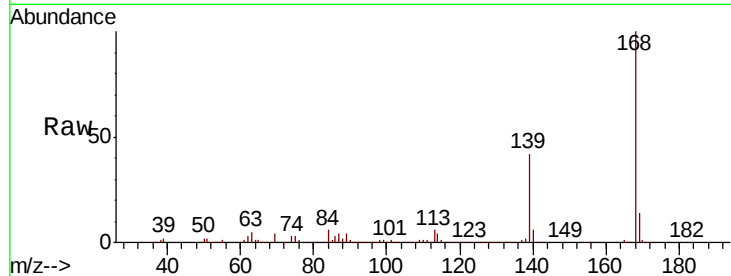
#55  
Dibenzofuran  
Concen: 40.900 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

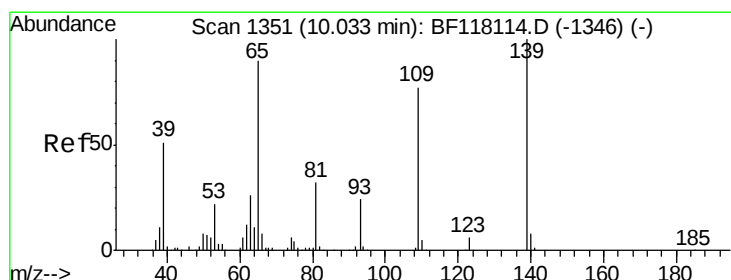
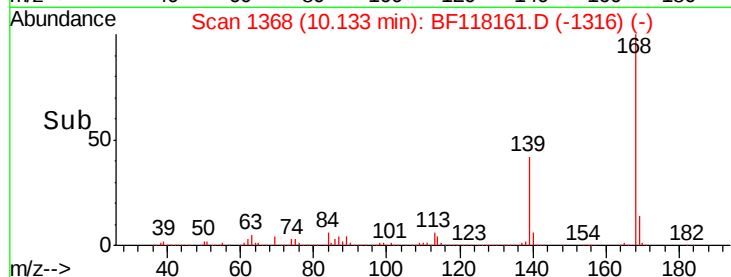
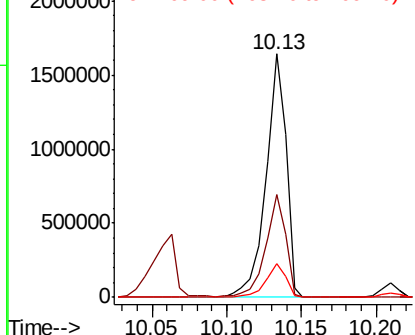
Tot Ion:168 Resp: 1517116  
Ion Ratio Lower Upper  
168 100  
139 42.2 33.4 50.0  
169 13.7 11.0 16.6

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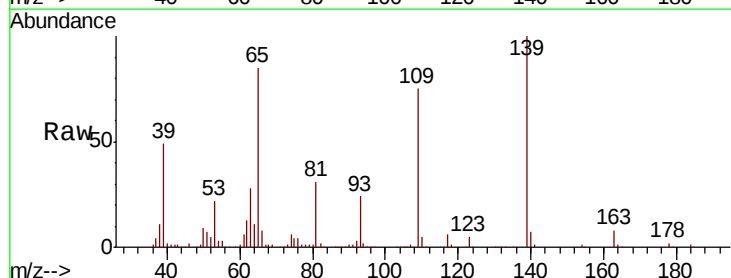


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

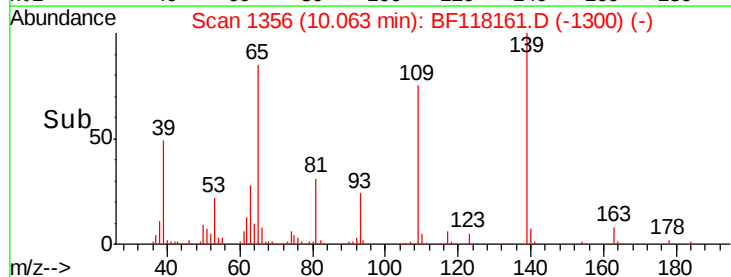
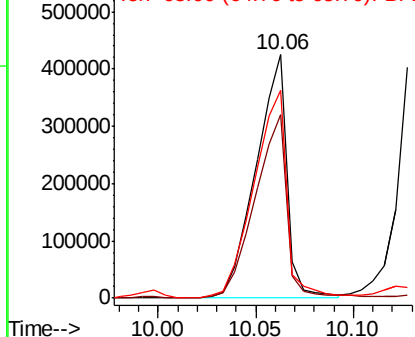


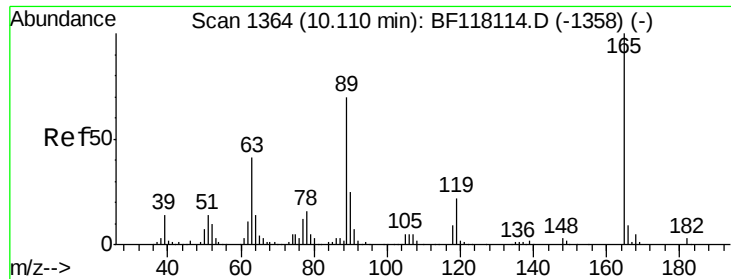
#56  
4-Nitrophenol  
Concen: 80.728 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.03 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Tgt Ion:139 Resp: 469369  
Ion Ratio Lower Upper  
139 100  
109 75.5 57.3 97.3  
65 85.3 70.2 110.2



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1





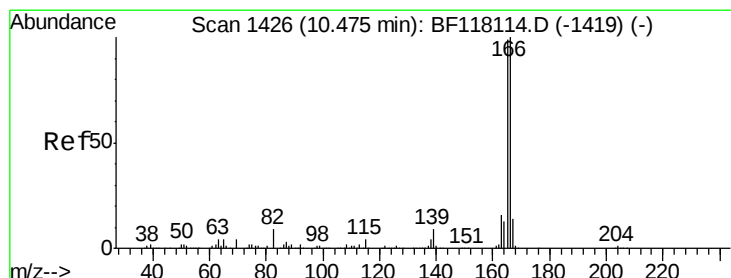
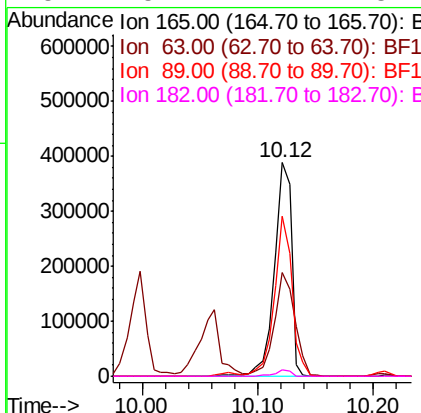
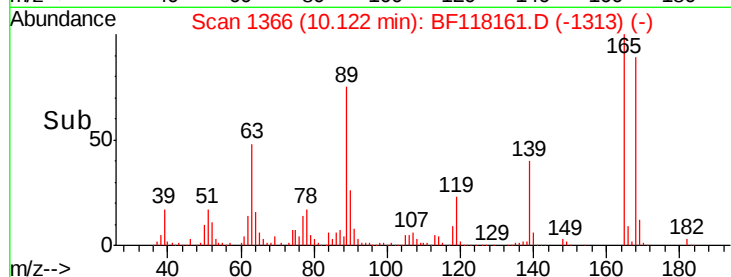
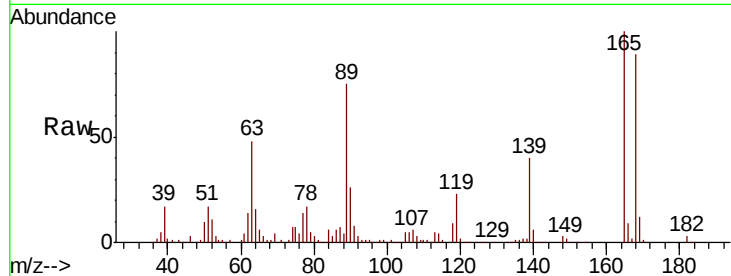
#57  
 2,4-Dinitrotoluene  
 Concen: 42.202 ng  
 RT: 10.12 min Scan# 1366  
 Delta R.T. 0.01 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB125313BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 400997 |       |       |
| 63      | 48.5 | 32.6  | 49.0   |       |       |
| 89      | 74.9 | 56.1  | 84.1   |       |       |
| 182     | 3.1  | 2.1   | 3.1    |       |       |

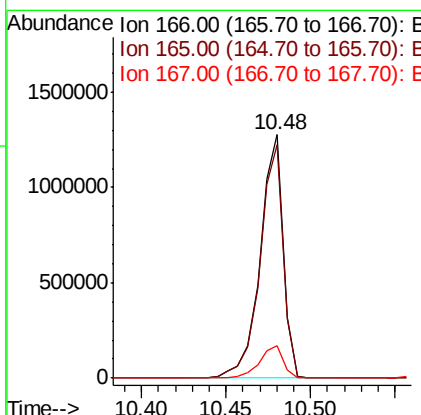
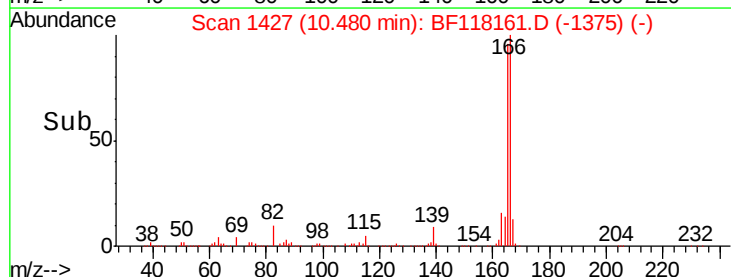
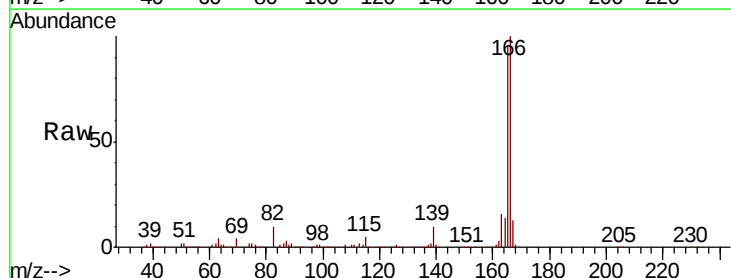
Manual Integrations  
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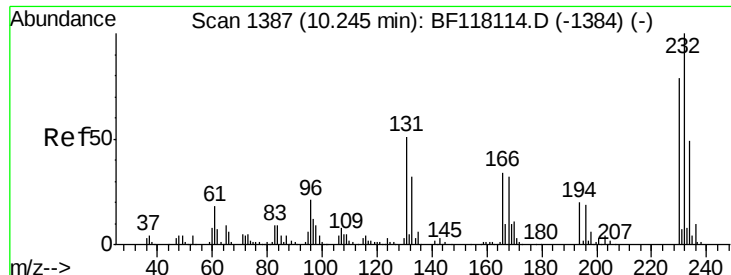
mohammad  
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#58  
 Fluorene  
 Concen: 40.918 ng  
 RT: 10.48 min Scan# 1427  
 Delta R.T. 0.01 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1206189 |       |       |
| 165     | 95.9 | 79.0  | 118.4   |       |       |
| 167     | 13.2 | 10.9  | 16.3    |       |       |





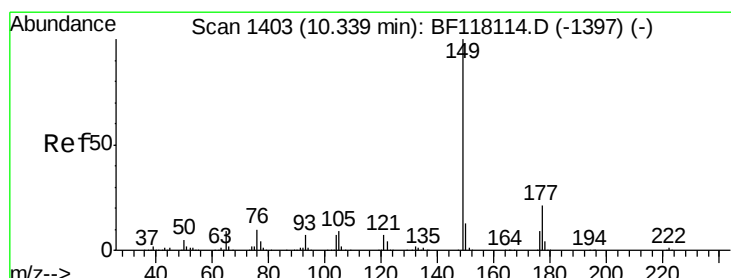
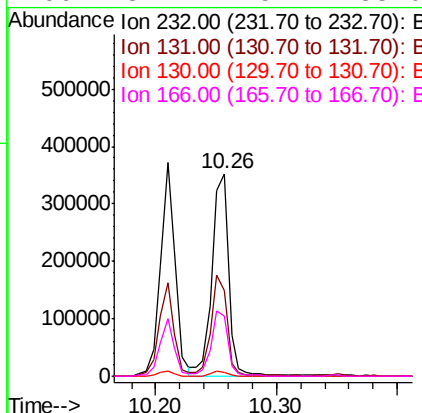
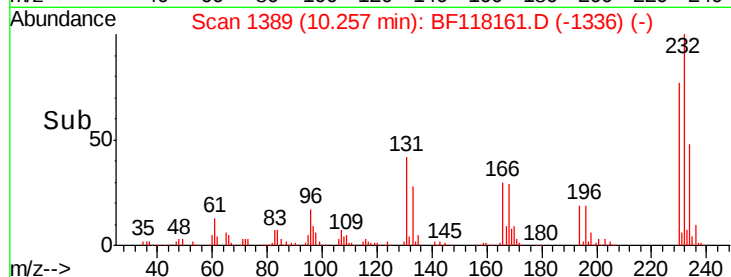
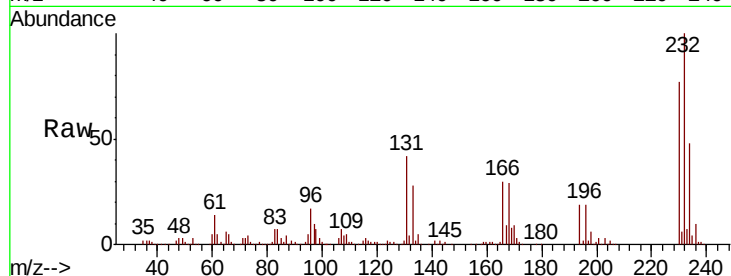
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.846 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 335985 |       |       |
| 131     | 48.0  |        | 38.8  | 58.2  |
| 130     | 2.4   |        | 1.9   | 2.9   |
| 166     | 31.7  |        | 25.4  | 38.0  |

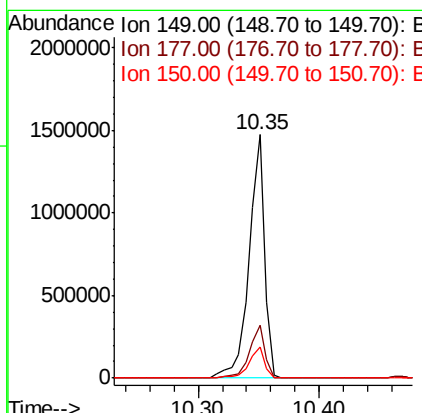
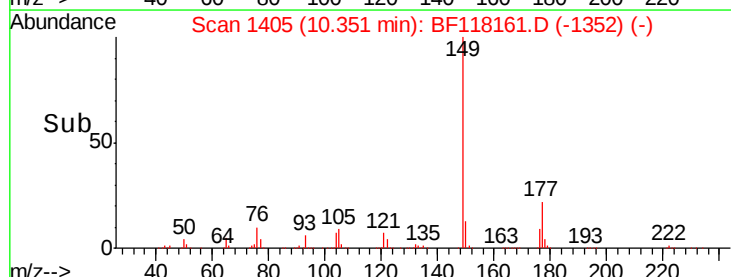
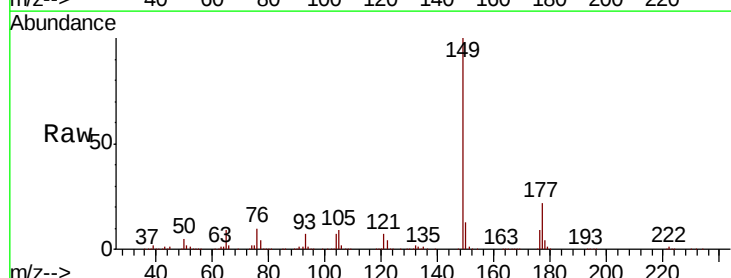
Manual Integrations  
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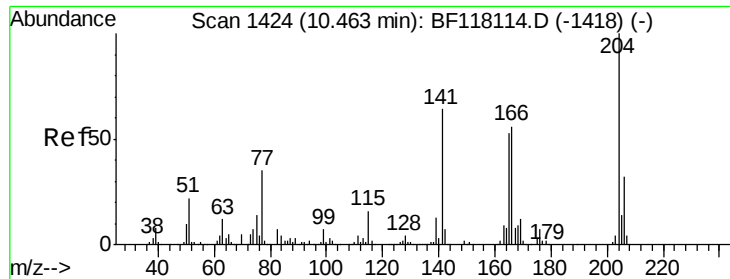
mohammad  
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#60  
Diethylphthalate  
Concen: 40.821 ng  
RT: 10.35 min Scan# 1405  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1316742 |       |       |
| 177     | 21.8  |         | 17.0  | 25.4  |
| 150     | 12.7  |         | 10.1  | 15.1  |





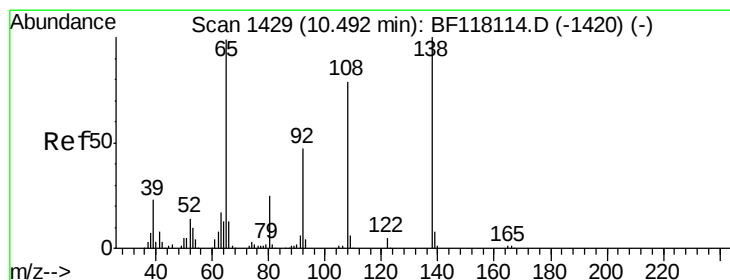
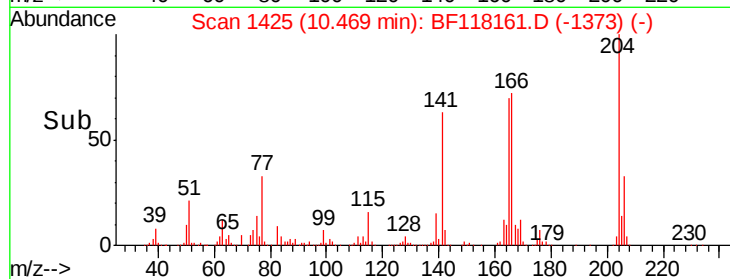
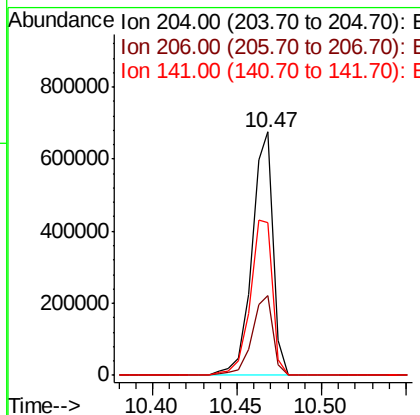
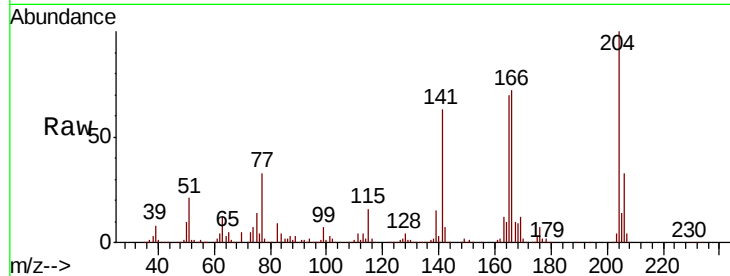
#61  
4-Chlorophenyl-phenylether  
Concen: 39.990 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.0  | 39.0  |
| 141     | 62.9  | 51.0  | 76.6  |

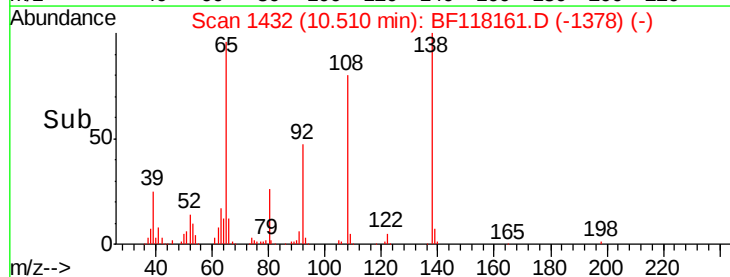
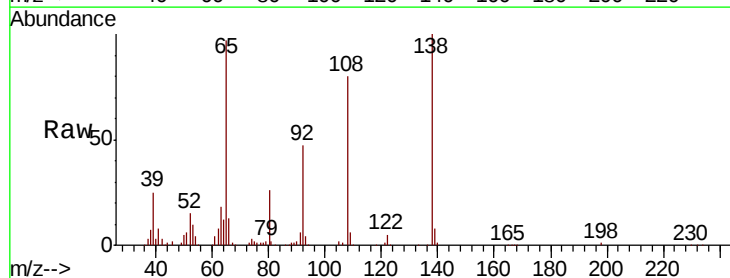
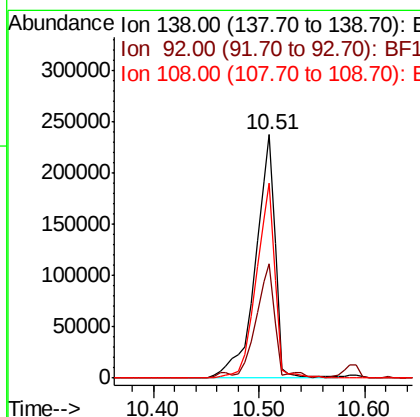
Manual Integrations  
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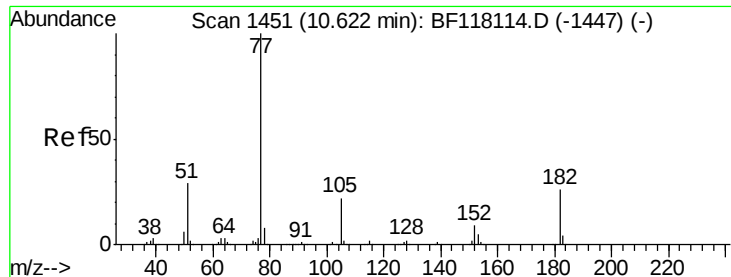
mohammad  
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#62  
4-Nitroaniline  
Concen: 35.915 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. 0.02 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.1  | 27.1  | 67.1  |
| 108     | 79.9  | 59.0  | 99.0  |





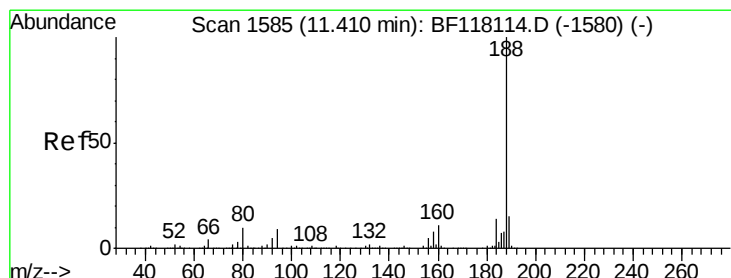
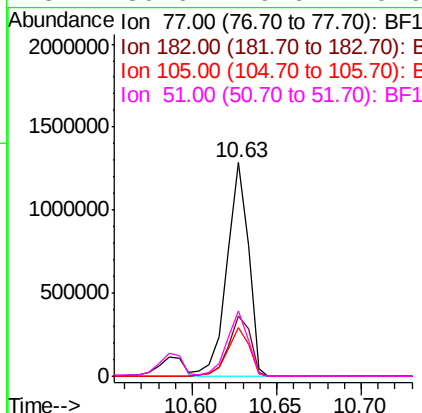
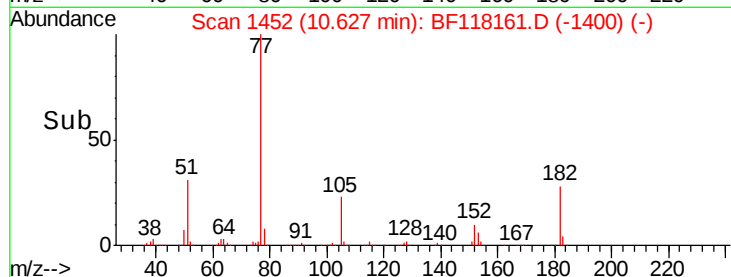
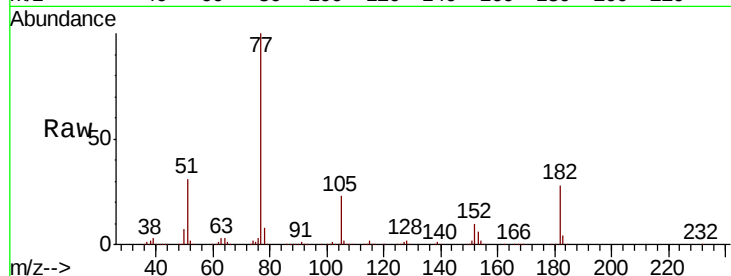
#63  
Azobenzene  
Concen: 41.239 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.9  | 5.7   | 45.7  |
| 105     | 23.0  | 2.2   | 42.2  |
| 51      | 30.6  | 9.6   | 49.6  |

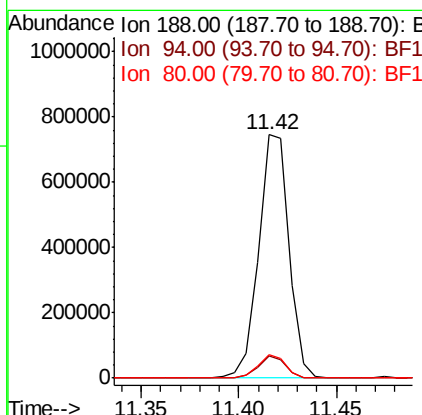
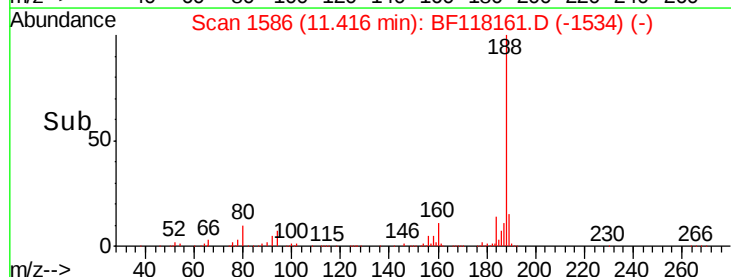
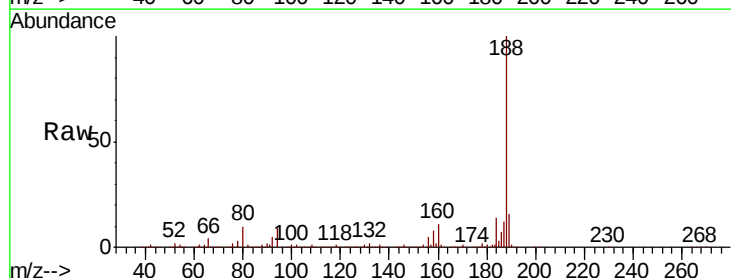
Manual Integrations  
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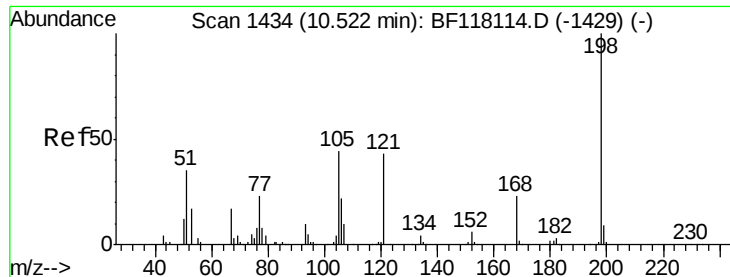
mohammad  
12/11/2019 12:31:29 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 7.1   | 10.7  |
| 80      | 9.9   | 7.9   | 11.9  |





#65

4,6-Dinitro-2-methylphenol

Concen: 47.090 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampled :

PB125313BS

Tot Ion:198 Resp: 208474

Ion Ratio Lower Upper

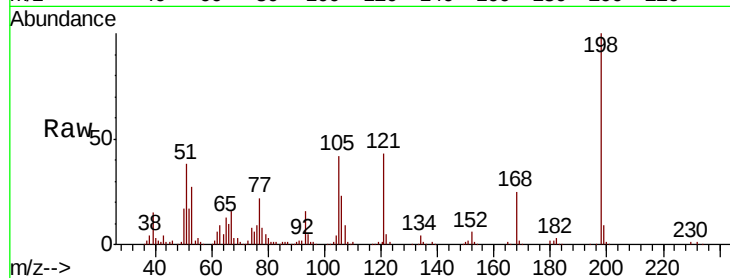
198 100

51 37.5 22.0 62.0

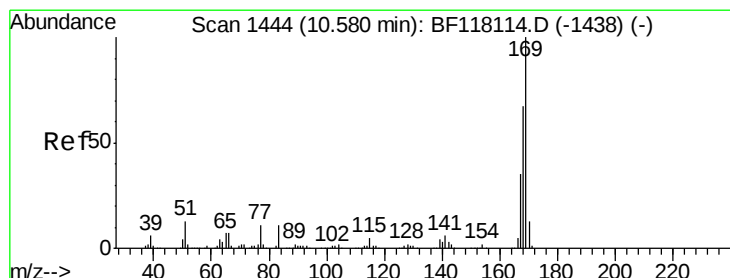
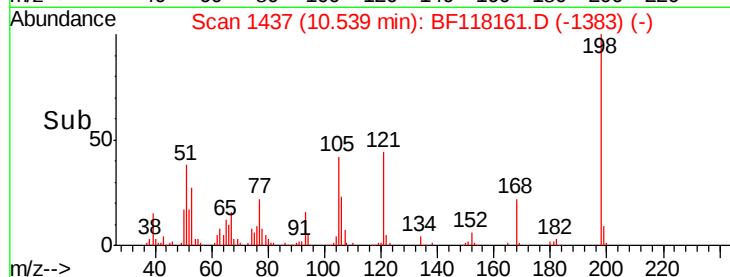
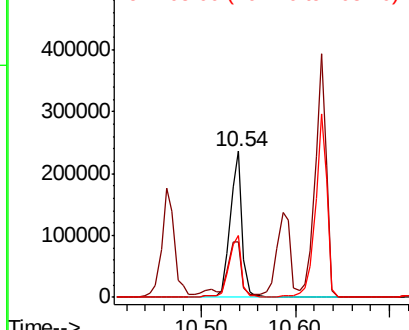
105 42.0 25.6 65.6

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



#66

n-Nitrosodiphenylamine

Concen: 43.279 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

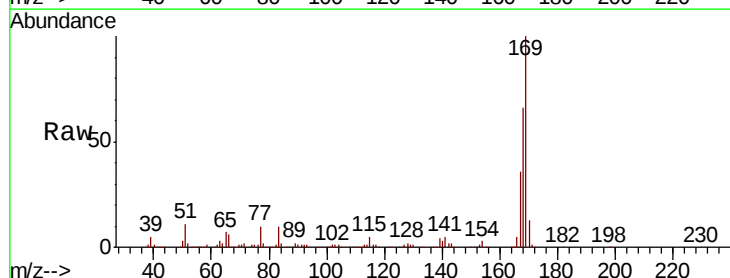
Tgt Ion:169 Resp: 1083454

Ion Ratio Lower Upper

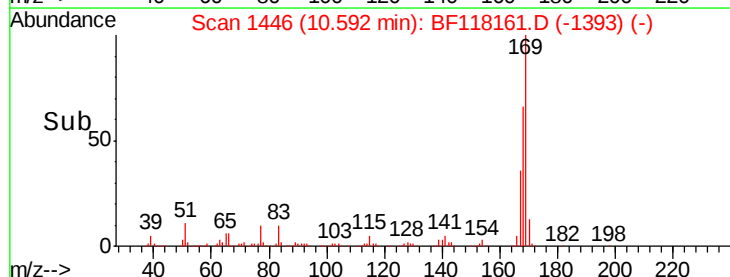
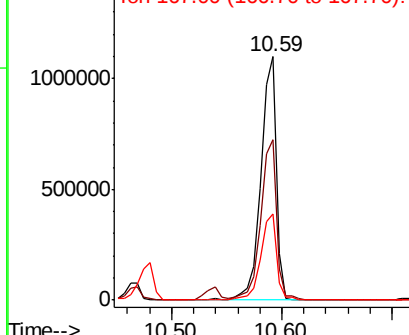
169 100

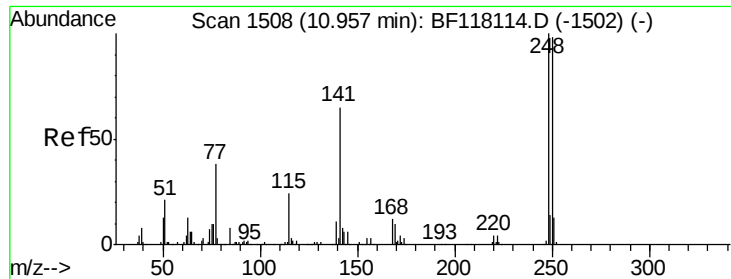
168 65.9 53.4 80.2

167 35.6 28.4 42.6



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





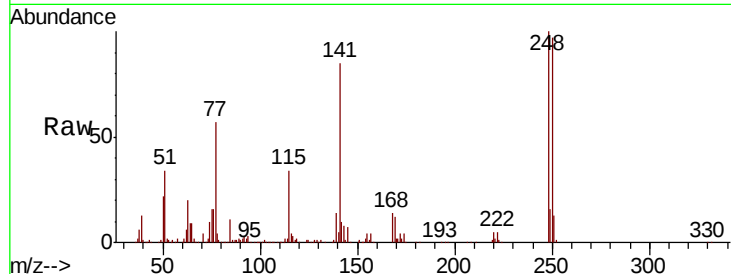
#67  
4-Bromophenyl-phenylether  
Concen: 41.427 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. -0.00 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampled :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.5  | 78.3  | 117.5 |
| 141     | 85.1  | 52.2  | 78.4  |

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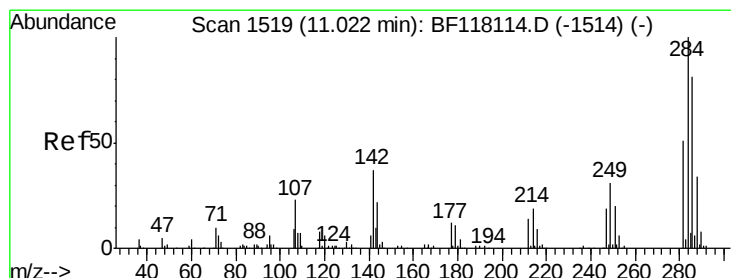
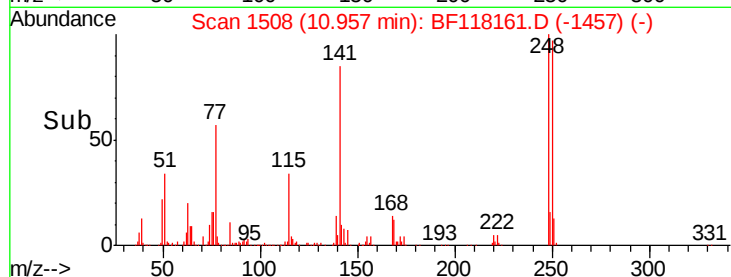
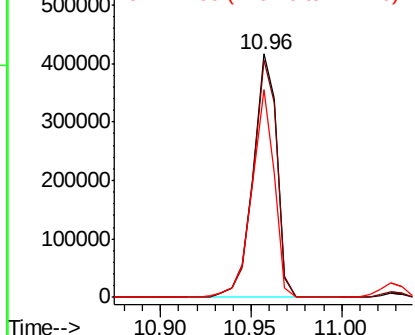


Abundance

Ion 248.00 (247.70 to 248.70): E

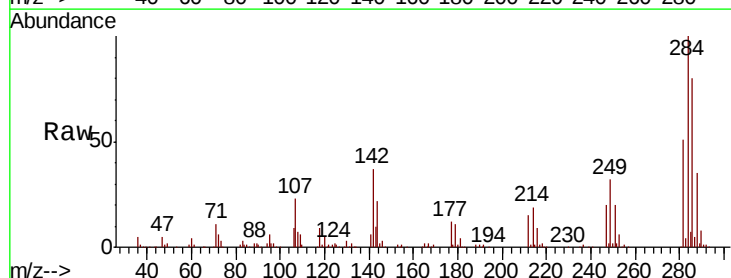
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 41.195 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.3  | 29.7  | 44.5  |
| 249     | 31.8  | 24.6  | 37.0  |

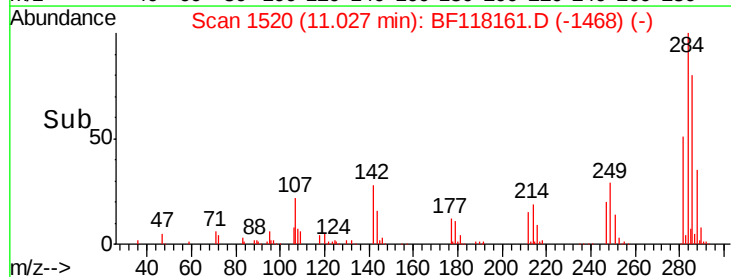
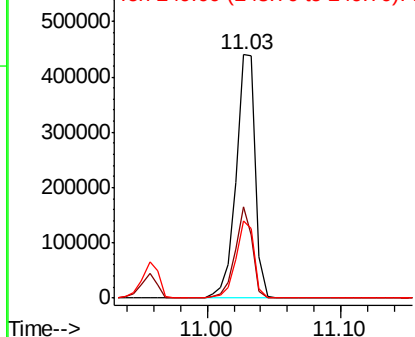


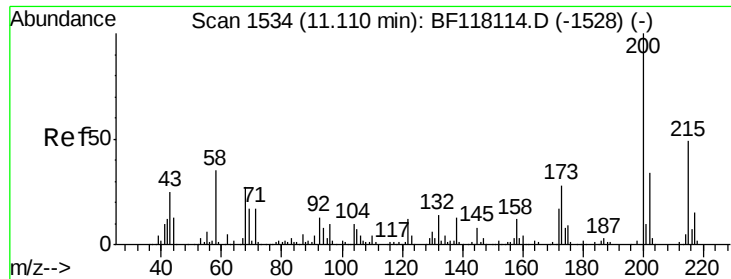
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





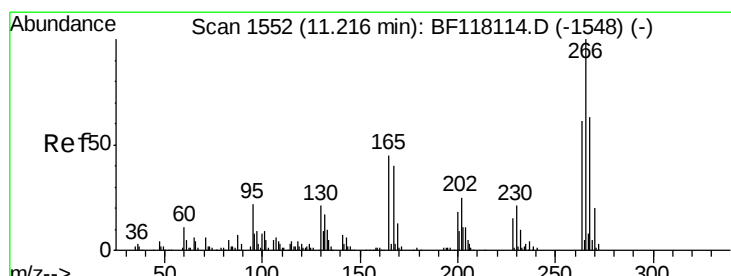
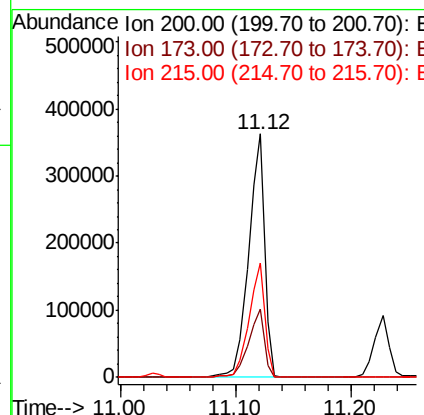
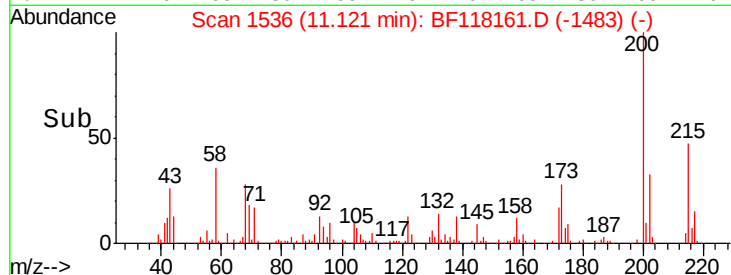
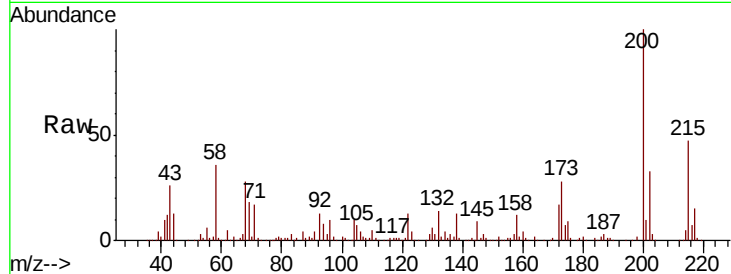
#69  
Atrazine  
Concen: 57.852 ng  
RT: 11.12 min Scan# 1536  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 28.0  | 8.1        | 48.1  |
| 215     | 47.2  | 29.0       | 69.0  |

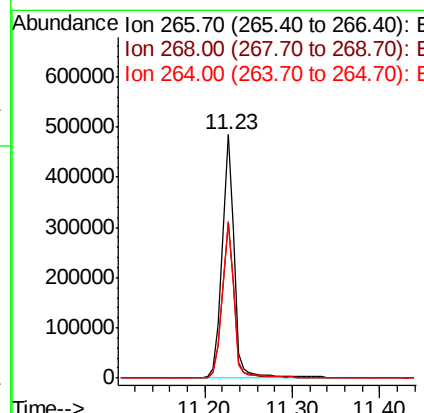
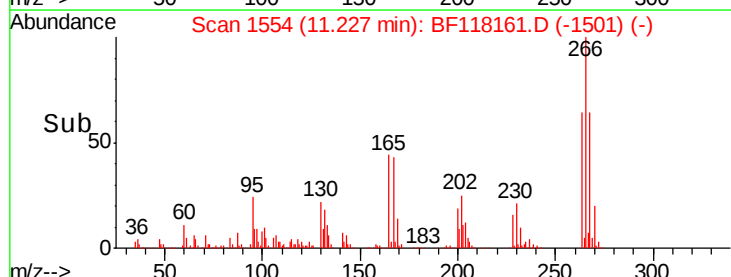
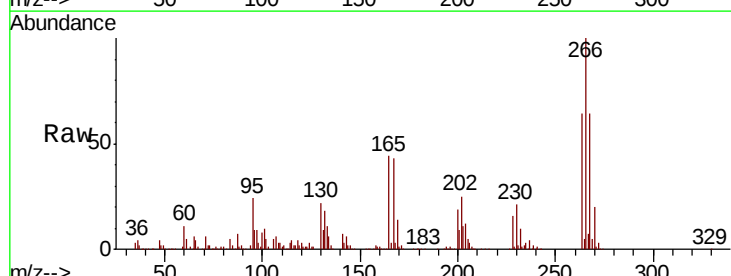
Manual Integrations  
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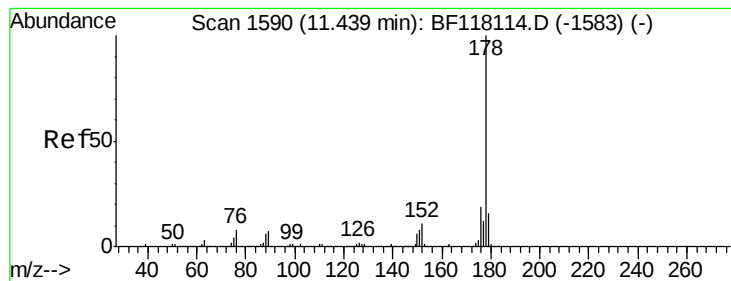
mohammad  
12/11/2019 12:31:29 PM



#70  
Pentachlorophenol  
Concen: 93.439 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 63.9  | 50.7       | 76.1  |
| 264     | 64.2  | 48.7       | 73.1  |





#71

Phenanthrene

Concen: 41.757 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:178 Resp: 1779441

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

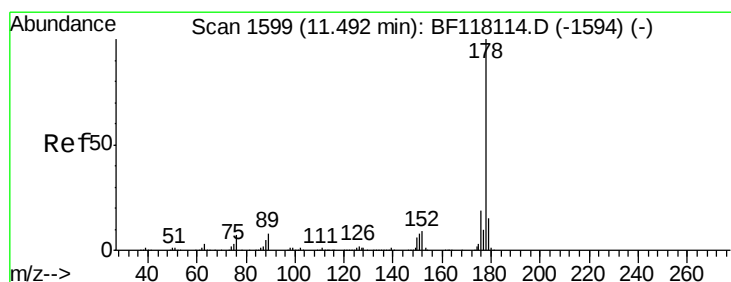
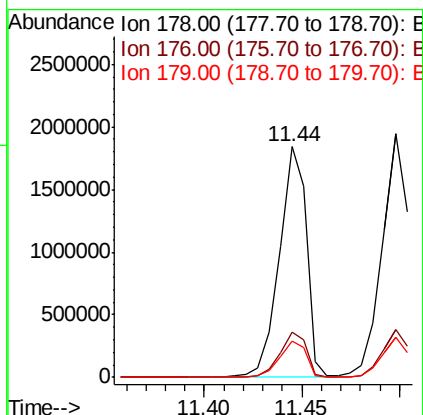
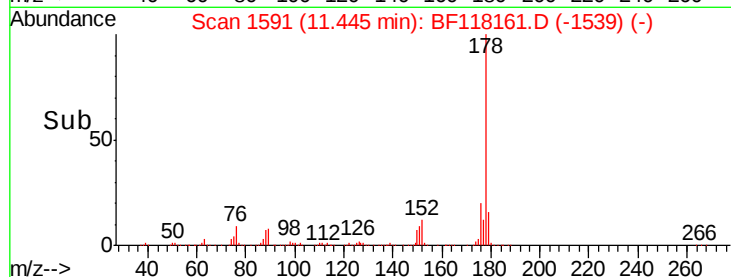
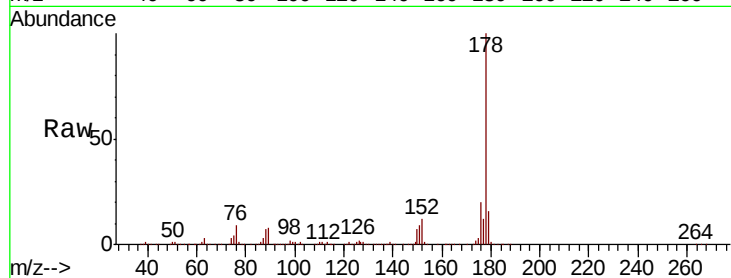
179 16.0 12.6 18.8

Manual Integrations

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#72

Anthracene

Concen: 42.529 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

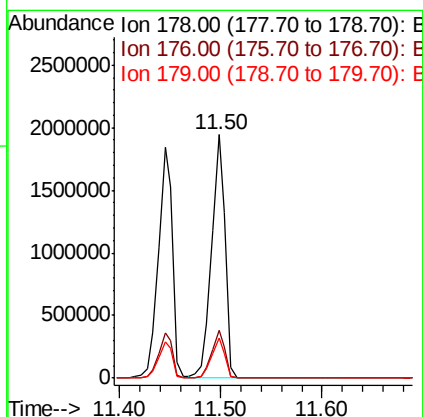
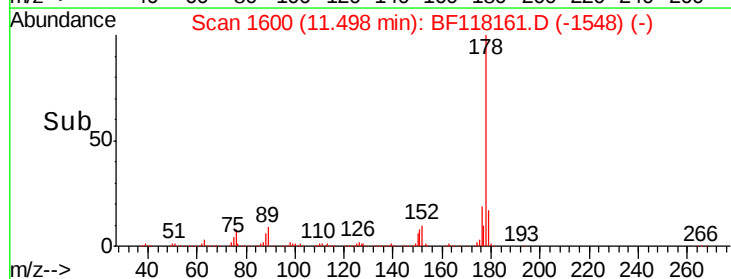
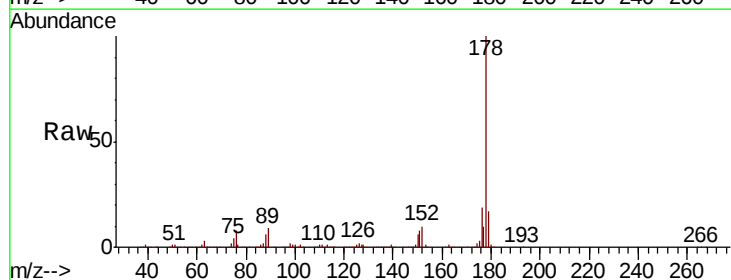
Tgt Ion:178 Resp: 1807956

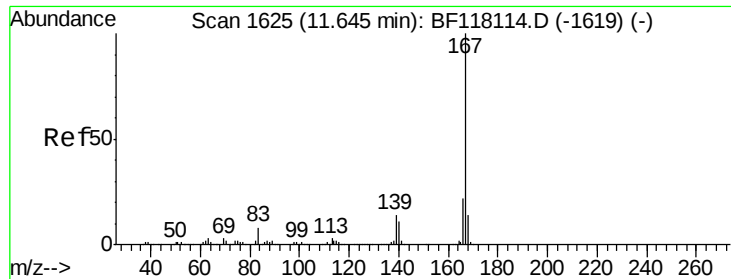
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 16.6 12.2 18.4





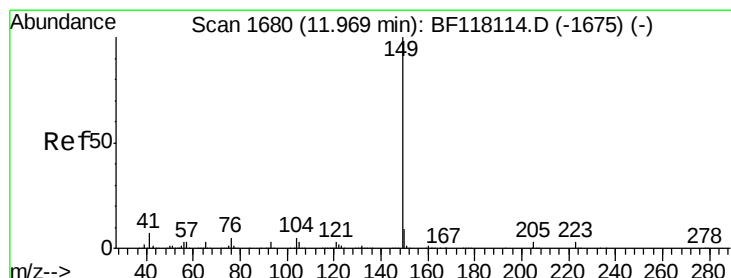
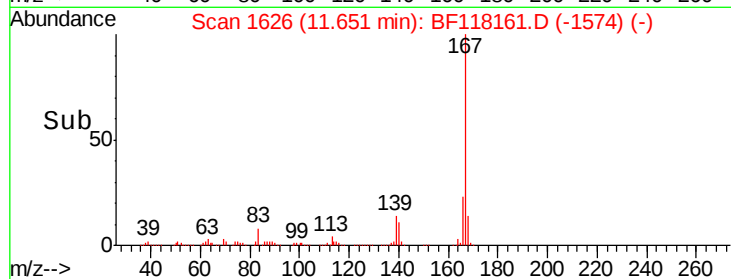
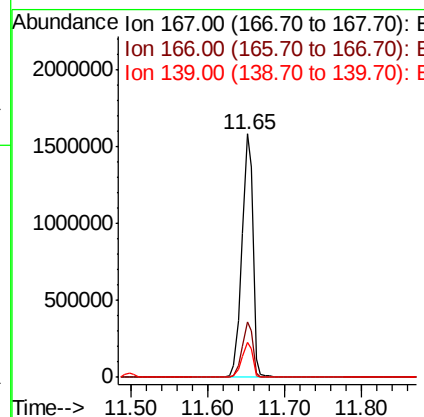
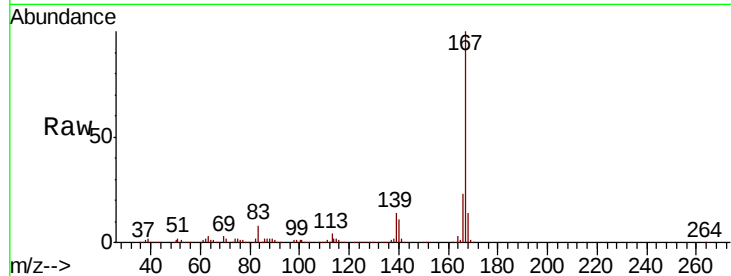
#73  
 Carbazole  
 Concen: 42.162 ng  
 RT: 11.65 min Scan# 1626  
 Delta R.T. 0.01 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB125313BS

Tot Ion:167 Resp: 1608133  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 17.4 26.2  
 139 14.4 11.4 17.0

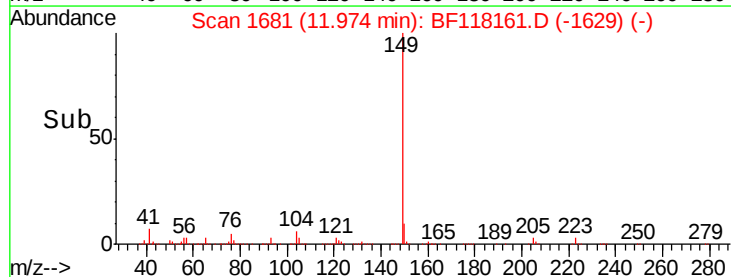
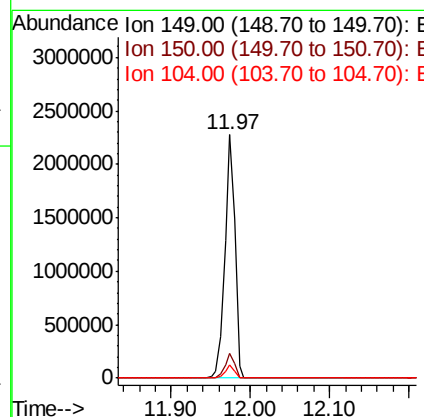
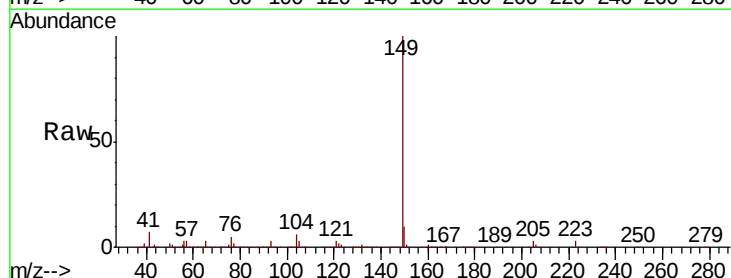
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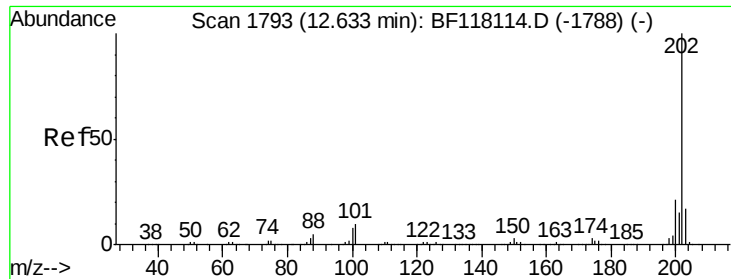
mohammad  
 12/11/2019 12:31:29 PM



#74  
 Di-n-butylphthalate  
 Concen: 41.848 ng  
 RT: 11.97 min Scan# 1681  
 Delta R.T. 0.01 min  
 Lab File: BF118161.D  
 Acq: 10 Dec 2019 12:01

Tgt Ion:149 Resp: 1997607  
 Ion Ratio Lower Upper  
 149 100  
 150 9.9 7.4 11.2  
 104 5.6 4.3 6.5





#75

Fluoranthene

Concen: 41.665 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

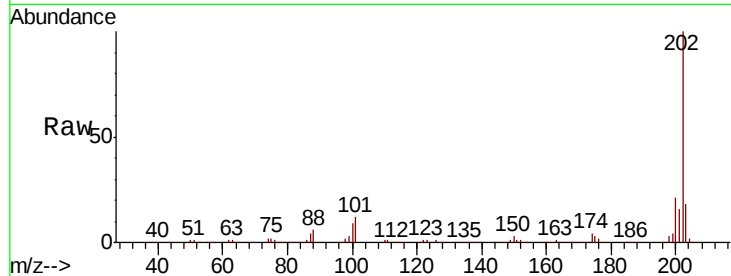
ClientSampleId :

PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.1  | 0.0   | 30.4  |
| 203     | 18.0  | 0.0   | 37.2  |

Manual Integrations  
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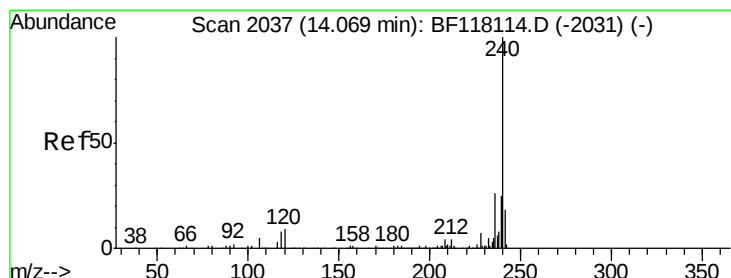
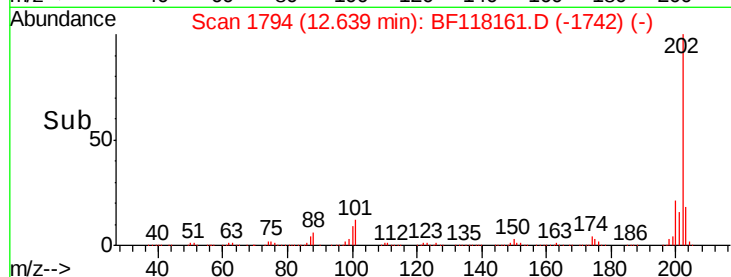
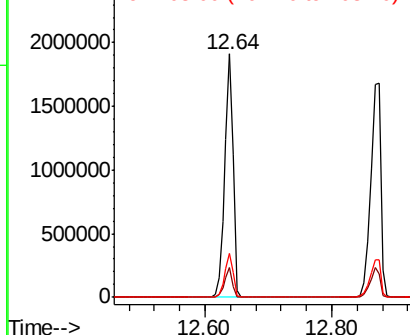


Abundance

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: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

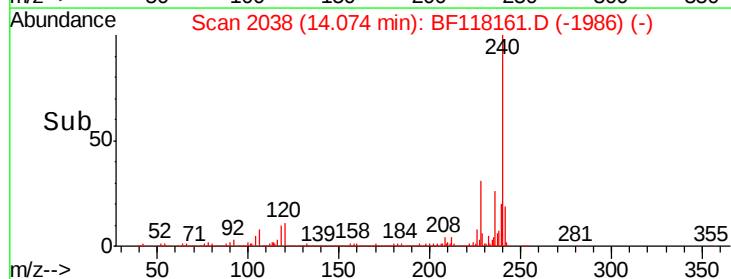
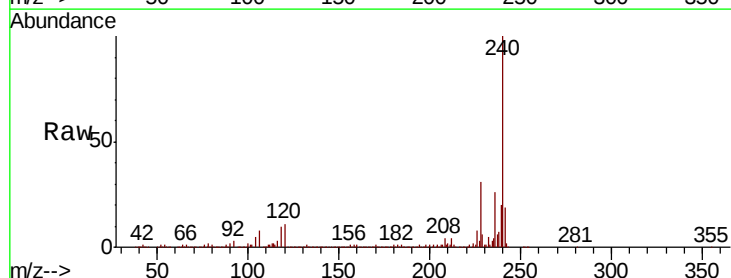
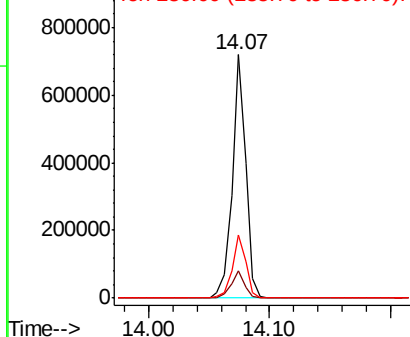
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 7.1   | 10.7# |
| 236     | 25.7  | 21.0  | 31.6  |

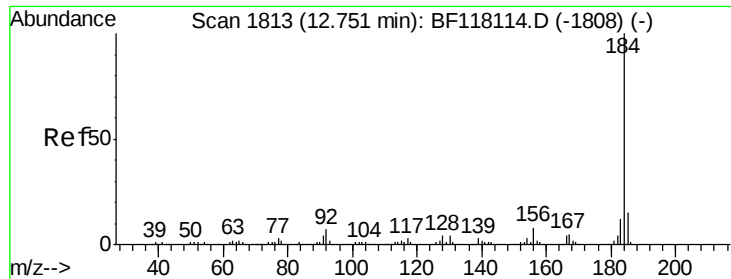
Abundance

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





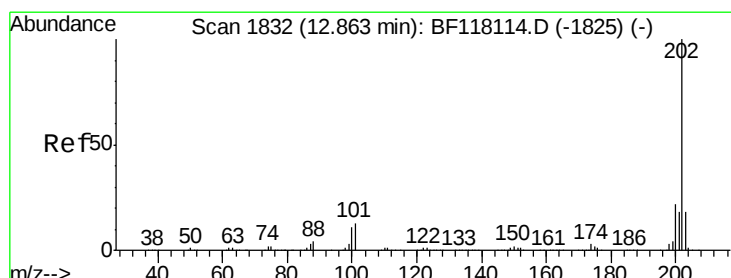
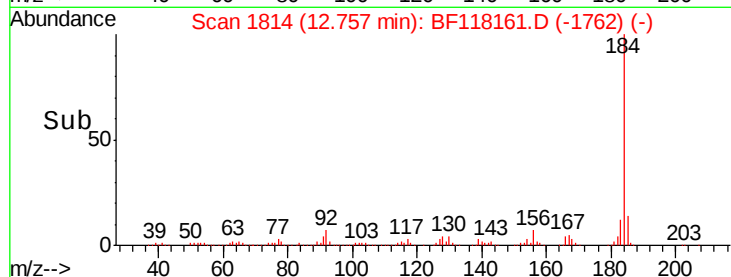
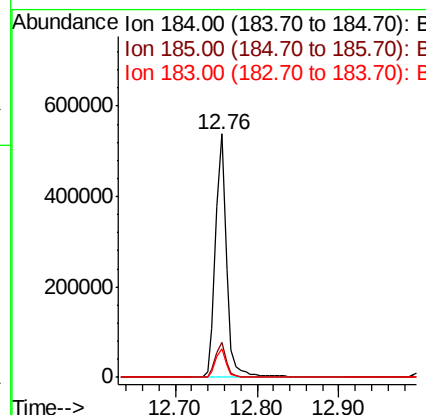
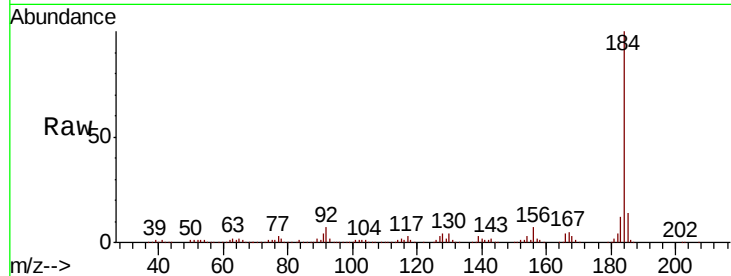
#77  
Benzidine  
Concen: 34.570 ng  
RT: 12.76 min Scan# 1814  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 185     | 14.3  | 12.3 | 18.5  |       |
| 183     | 12.0  | 9.9  | 14.9  |       |

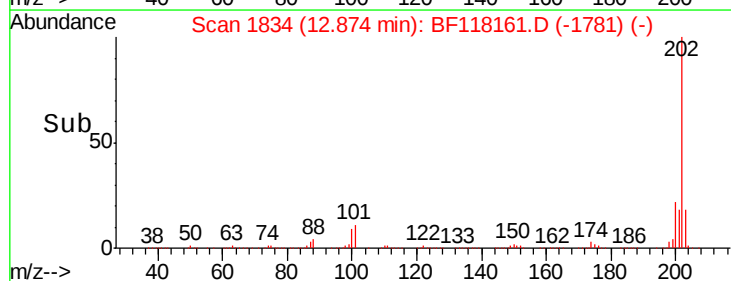
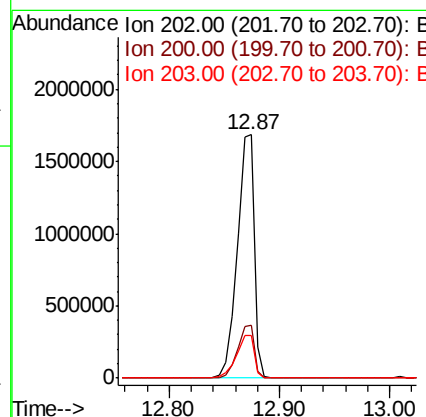
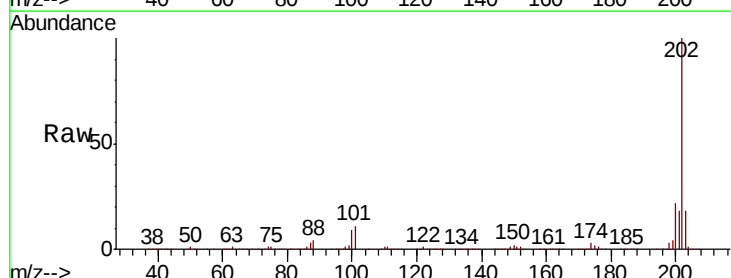
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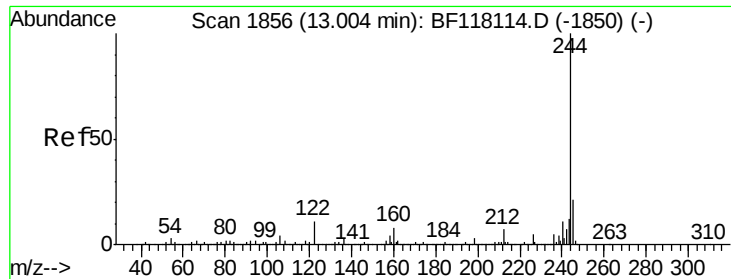
mohammad  
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#78  
Pyrene  
Concen: 41.446 ng  
RT: 12.87 min Scan# 1834  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 200     | 21.6  | 17.5 | 26.3  |       |
| 203     | 17.5  | 14.6 | 21.8  |       |





#79

Terphenyl-d14

Concen: 65.693 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:244 Resp: 2132911

Ion Ratio Lower Upper

244 100

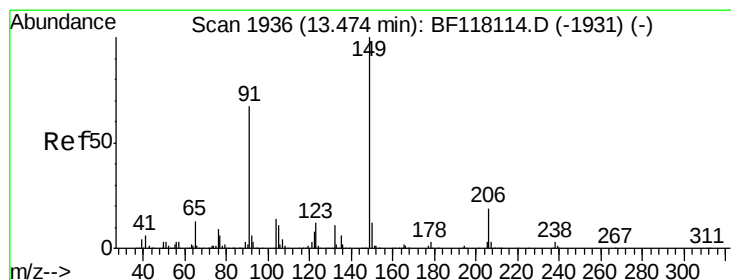
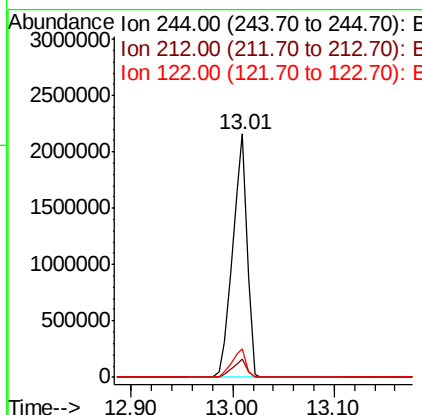
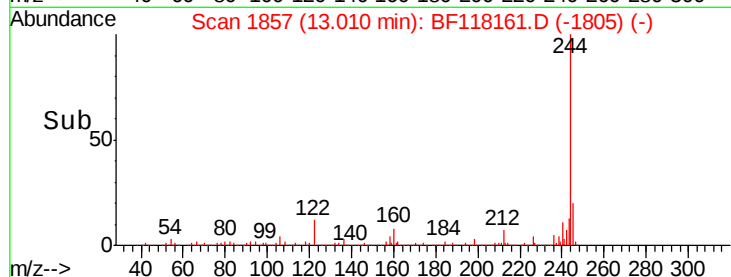
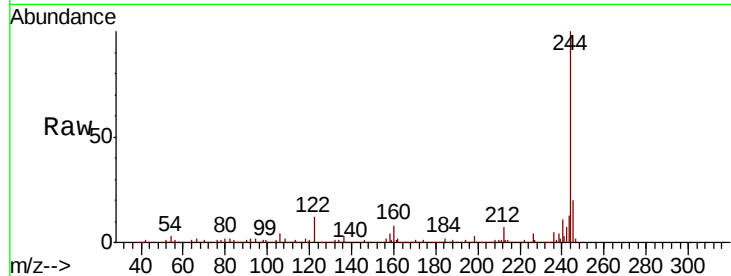
212 7.4 5.9 8.9

122 11.5 9.0 13.6

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#80

Butylbenzylphthalate

Concen: 42.306 ng

RT: 13.48 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

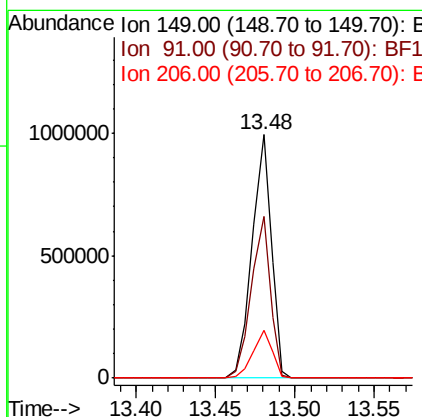
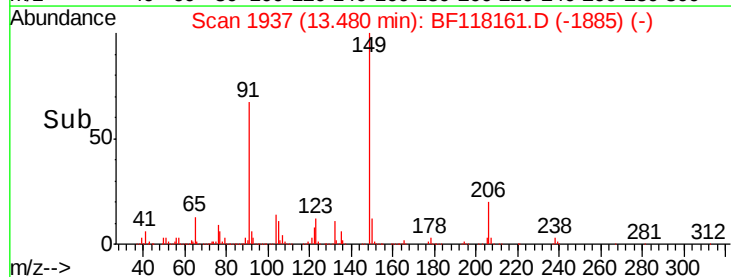
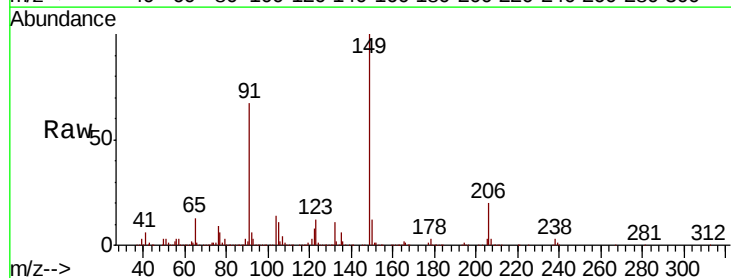
Tgt Ion:149 Resp: 843000

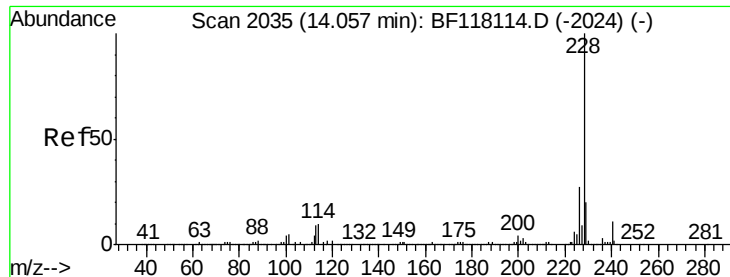
Ion Ratio Lower Upper

149 100

91 66.7 53.9 80.9

206 19.6 15.2 22.8





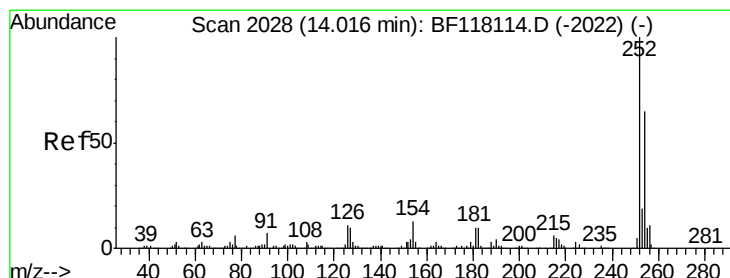
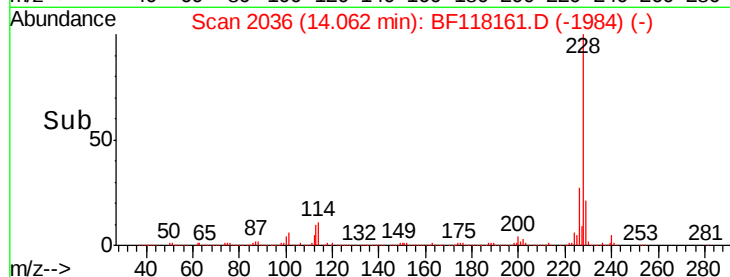
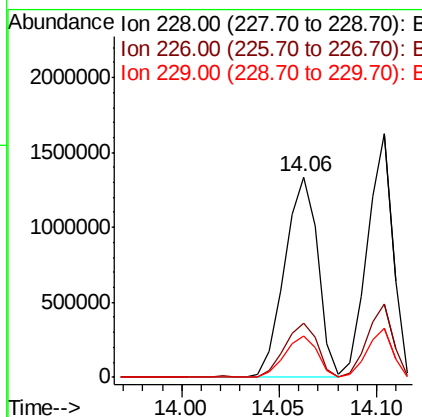
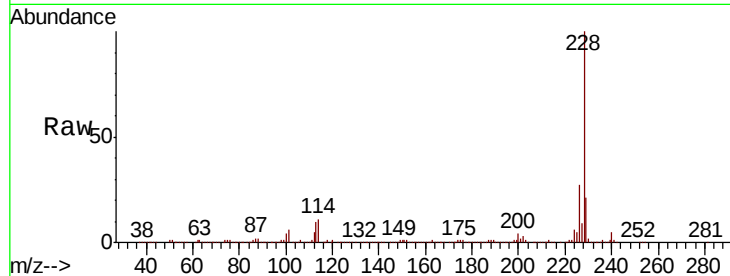
#81  
Benzo(a)anthracene  
Concen: 40.781 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

Tot Ion:228 Resp: 1574436  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.8 32.8  
229 20.5 15.8 23.8

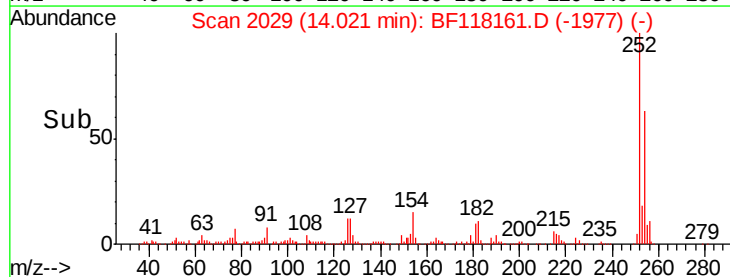
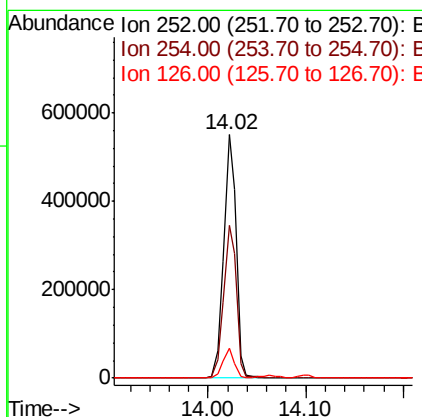
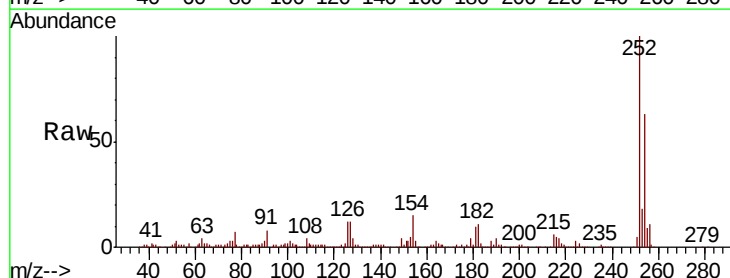
Manual Integrations  
APPROVED

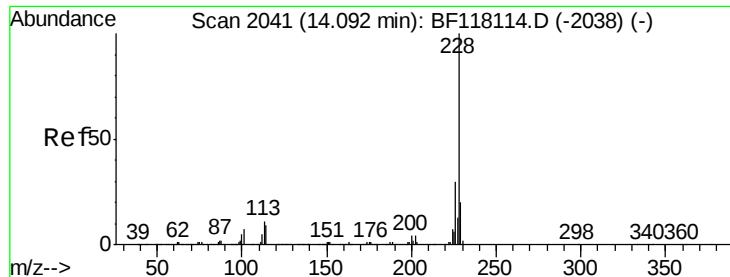
mohammad  
12/11/2019 12:31:29 PM



#82  
3,3'-Dichlorobenzidine  
Concen: 38.652 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Tgt Ion:252 Resp: 490076  
Ion Ratio Lower Upper  
252 100  
254 62.7 52.2 78.4  
126 12.2 8.6 13.0





#83

Chrysene

Concen: 39.824 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:228 Resp: 1468638

Ion Ratio Lower Upper

228 100

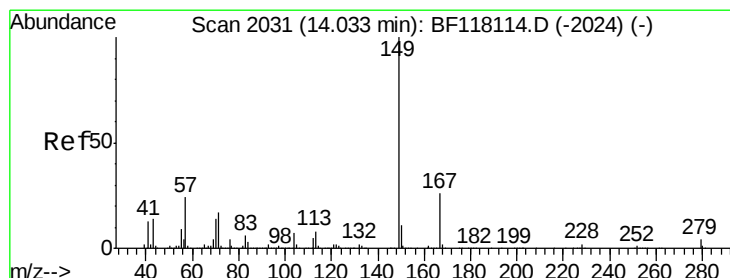
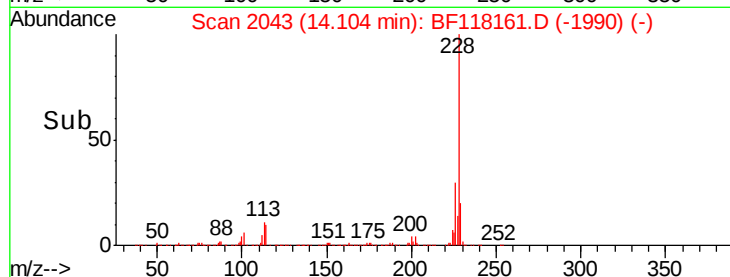
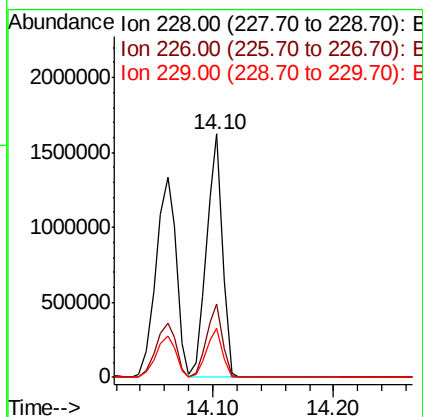
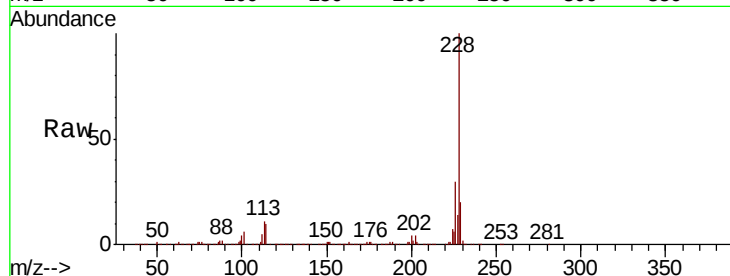
226 30.2 23.8 35.8

229 20.4 15.7 23.5

Manual Integrations  
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#84

Bis(2-ethylhexyl)phthalate

Concen: 42.951 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

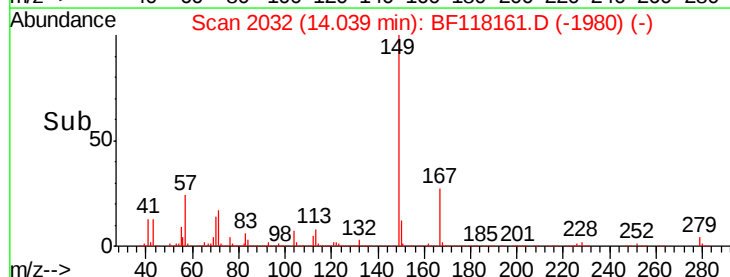
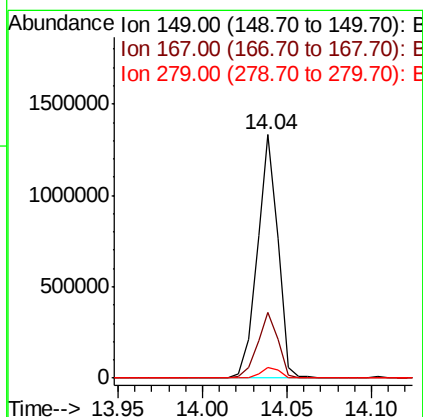
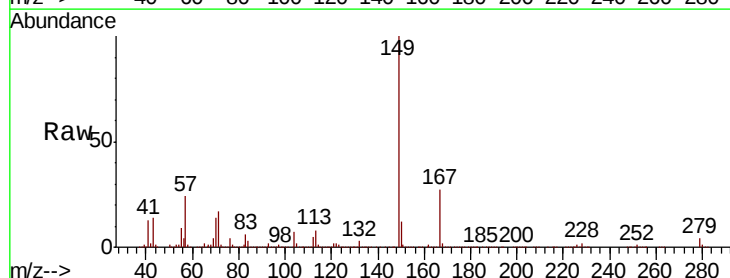
Tgt Ion:149 Resp: 1128544

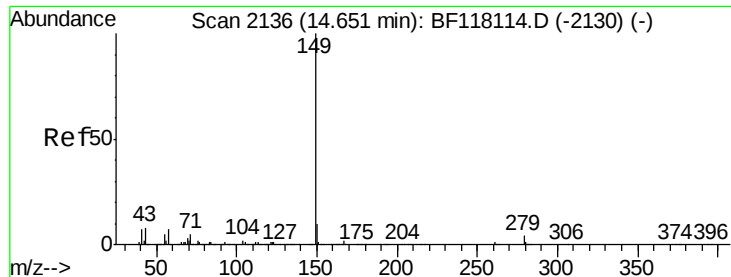
Ion Ratio Lower Upper

149 100

167 26.9 20.8 31.2

279 4.2 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 44.444 ng

RT: 14.66 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampleId :

PB125313BS

Tot Ion:149 Resp: 1768950

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

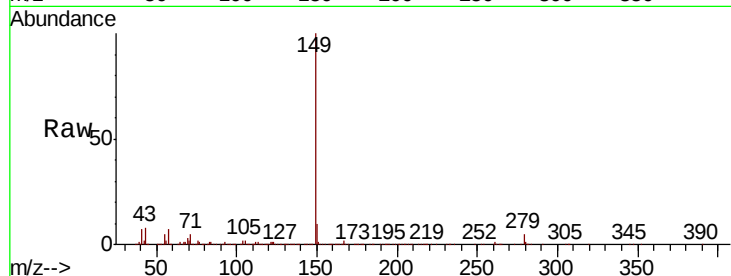
43 8.2 6.5 9.7

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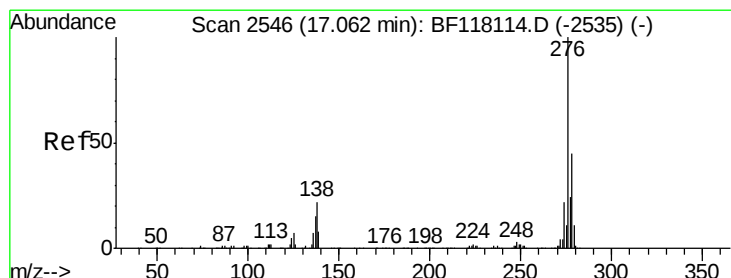
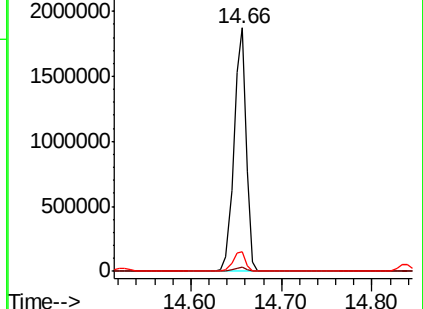
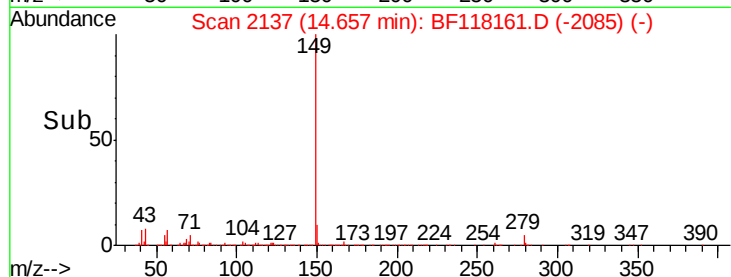
12/11/2019 12:31:29 PM



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: 36.131 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.02 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

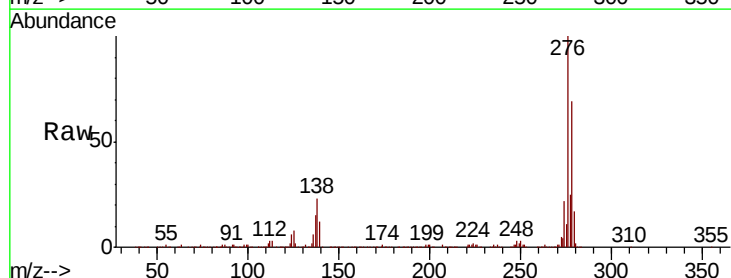
Tgt Ion:276 Resp: 1121127

Ion Ratio Lower Upper

276 100

138 23.0 18.9 28.3

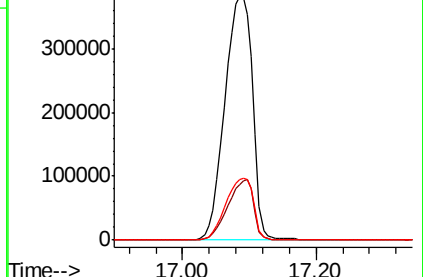
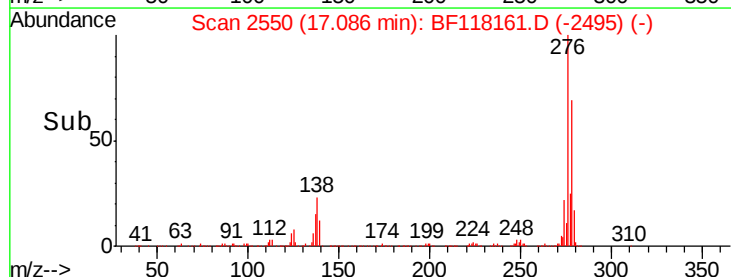
277 25.5 20.4 30.6

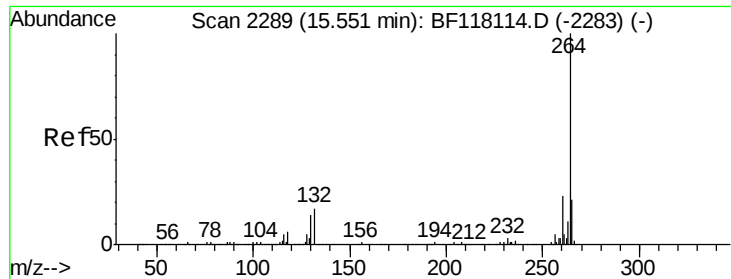


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

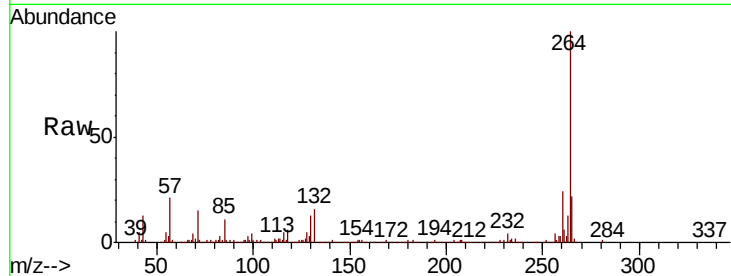
ClientSampleId :

PB125313BS

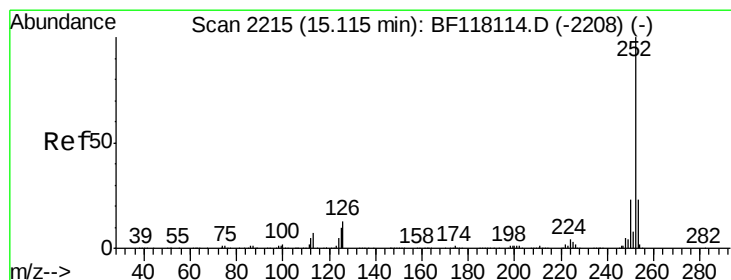
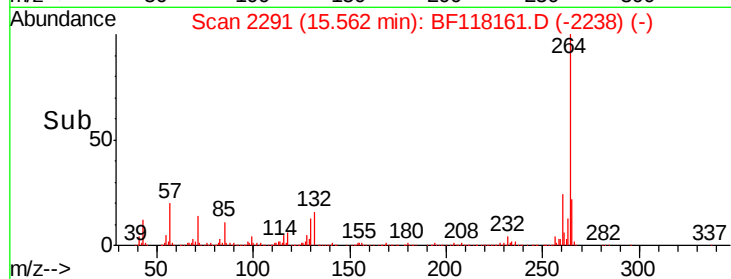
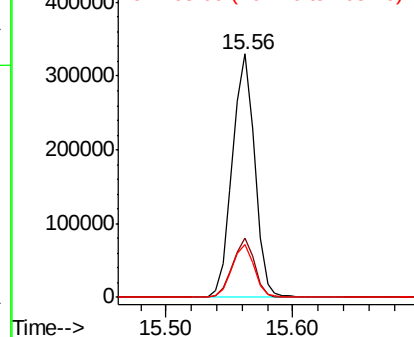
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 264     | 100  |       |      |       |       |
| 260     | 24.2 | 18.6  | 28.0 |       |       |
| 265     | 21.7 | 16.8  | 25.2 |       |       |

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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 46.538 ng

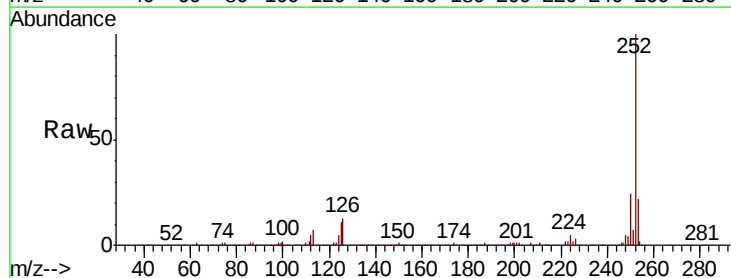
RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

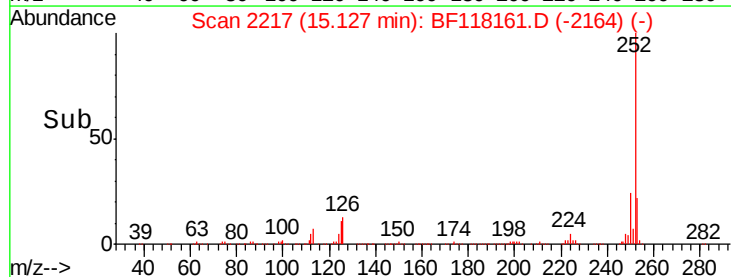
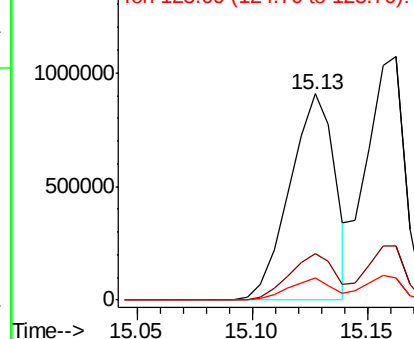
Lab File: BF118161.D

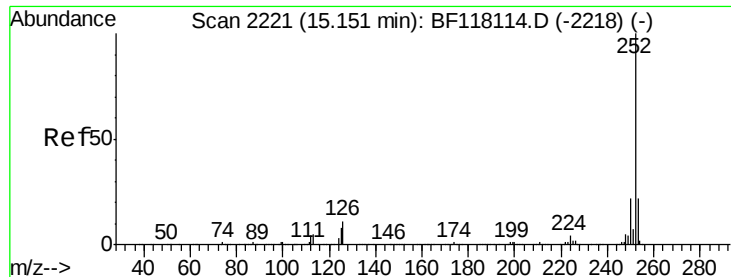
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 252     | 100  |       |      |       |       |
| 253     | 22.3 | 18.2  | 27.4 |       |       |
| 125     | 10.6 | 8.3   | 12.5 |       |       |



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





#89

Benzo(k)fluoranthene

Concen: 48.185 ng

RT: 15.16 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Instrument :

BNA\_F

ClientSampled :

PB125313BS

Tot Ion:252 Resp: 1230813

Ion Ratio Lower Upper

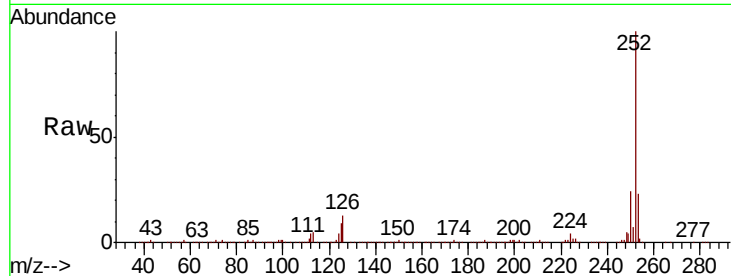
252 100

253 22.5 17.6 26.4

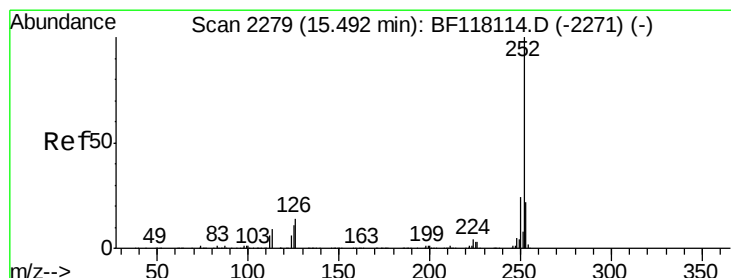
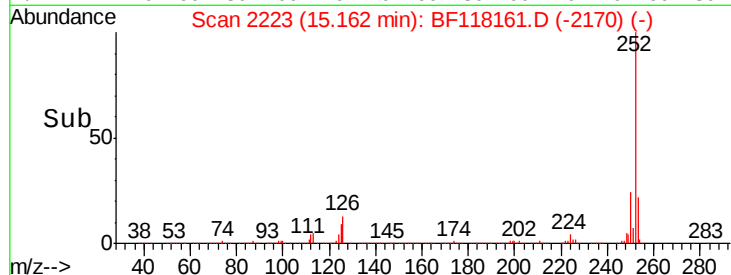
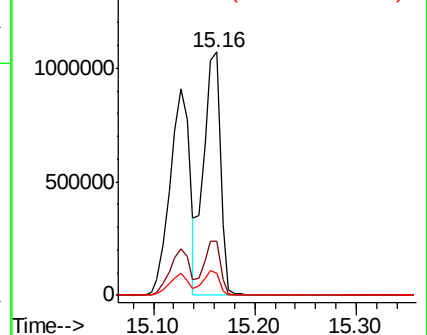
125 9.0 6.7 10.1

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



#90

Benzo(a)pyrene

Concen: 45.021 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF118161.D

Acq: 10 Dec 2019 12:01

Tgt Ion:252 Resp: 1057242

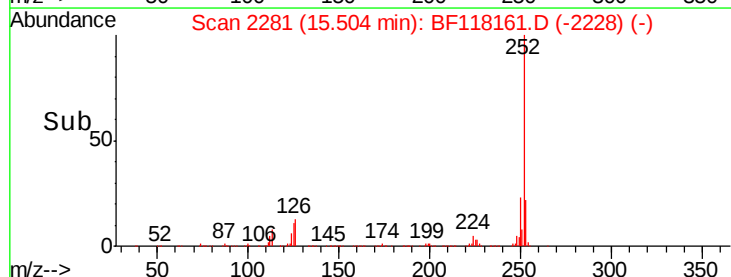
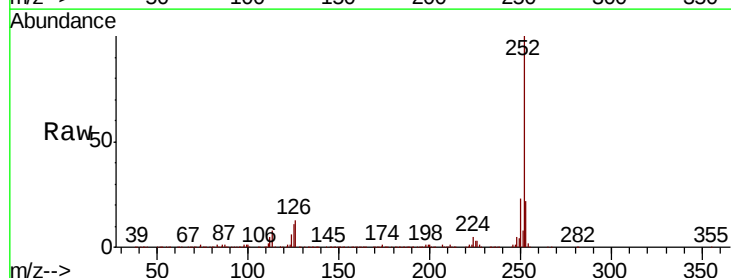
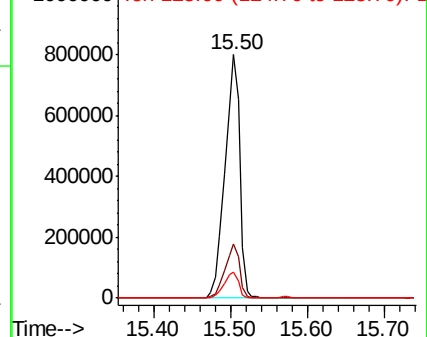
Ion Ratio Lower Upper

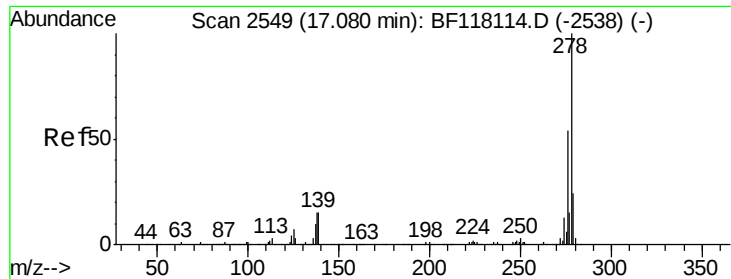
252 100

253 22.2 17.5 26.3

125 10.8 9.1 13.7

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





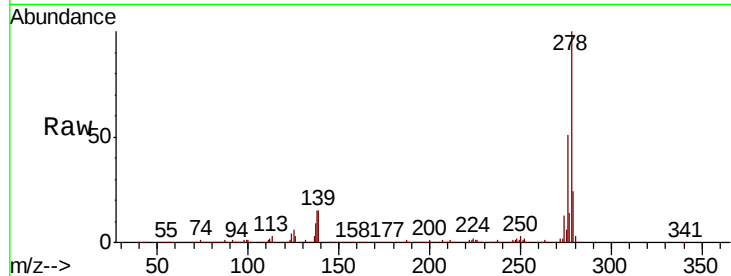
#91  
Dibenzo(a,h)anthracene  
Concen: 46.203 ng  
RT: 17.10 min Scan# 2553  
Delta R.T. 0.02 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB125313BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.7  | 11.7  | 17.5  |
| 279     | 24.2  | 19.0  | 28.4  |

Manual Integrations  
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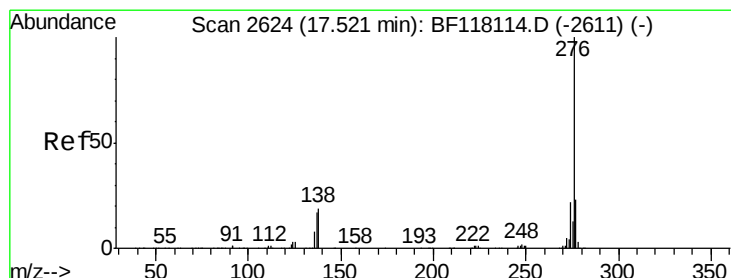
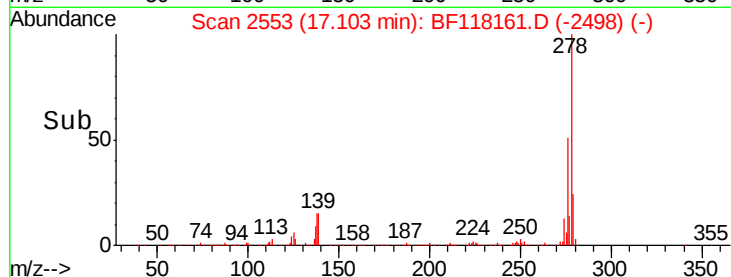
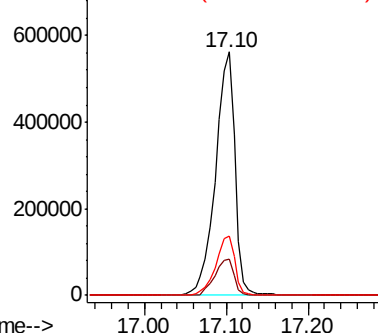


Abundance

Ion 278.00 (277.70 to 278.70): E

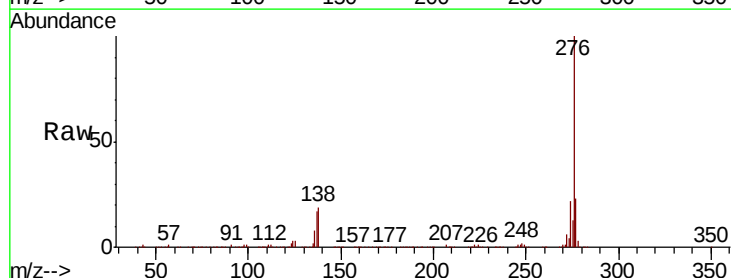
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 48.150 ng  
RT: 17.55 min Scan# 2629  
Delta R.T. 0.03 min  
Lab File: BF118161.D  
Acq: 10 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.9  | 18.2  | 27.4  |
| 138     | 19.4  | 15.5  | 23.3  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

