

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\  
 Data File : BF112236.D  
 Acq On : 25 Jan 2019 16:45  
 Operator : JU/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

Manual Integrations  
 APPROVED

mohammad  
 1/29/2019 12:31:29 AM

Quant Time: Jan 28 03:05:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 02:58:56 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 190241   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 727323   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 285919   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 532952   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.01 | 240  | 510302   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 399317   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 664754  | 74.22 | ng | 0.00 |
| 7) Phenol-d6             | 6.49  | 99  | 987225  | 79.32 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 1011472 | 80.13 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 301461  | 90.58 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 1753480 | 86.74 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.95 | 244 | 2159621 | 79.71 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.60 | 88  | 141131  | 39.556 | ng | 95     |
| 3) Pyridine                    | 3.36 | 79  | 337042  | 37.136 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.32 | 42  | 143250  | 37.568 | ng | # 91   |
| 6) Aniline                     | 6.51 | 93  | 590316  | 39.873 | ng | # 80   |
| 8) 2-Chlorophenol              | 6.64 | 128 | 478090  | 39.680 | ng | 99     |
| 9) Benzaldehyde                | 6.39 | 77  | 257221  | 39.542 | ng | 98     |
| 10) Phenol                     | 6.50 | 94  | 551334  | 40.379 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93  | 421514  | 39.212 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 543961  | 38.766 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 564470  | 39.087 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 535103  | 39.576 | ng | 94     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 418867  | 39.926 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 552731  | 40.047 | ng | 88     |
| 17) 2-Methylphenol             | 7.11 | 107 | 375714  | 39.336 | ng | 94     |
| 18) Hexachloroethane           | 7.36 | 117 | 205556  | 40.535 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 338056  | 39.393 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 477304  | 39.079 | ng | # 79   |
| 22) Acetophenone               | 7.26 | 105 | 693734  | 39.171 | ng | # 97   |
| 24) Nitrobenzene               | 7.43 | 77  | 501318  | 39.767 | ng | 99     |
| 25) Isophorone                 | 7.67 | 82  | 800092  | 40.404 | ng | 98     |
| 26) 2-Nitrophenol              | 7.75 | 139 | 281898  | 41.843 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 371731  | 40.048 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 545960  | 40.490 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 422052  | 40.631 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 479915  | 40.194 | ng | 99     |
| 31) Naphthalene                | 8.15 | 128 | 1348563 | 39.649 | ng | 99     |
| 32) Benzoic acid               | 7.93 | 122 | 196116  | 37.040 | ng | 97     |
| 33) 4-Chloroaniline            | 8.20 | 127 | 593411  | 40.068 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 281360  | 40.157 | ng | 98     |
| 35) Caprolactam                | 8.58 | 113 | 144778m | 39.509 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 429497  | 39.058 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.84 | 142 | 870774  | 37.397 | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.94 | 142 | 796699  | 35.698 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 418657  | 44.596 | ng | 99     |

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 BNA\_F  
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 ICVBF012519

Manual Integrations  
 APPROVED

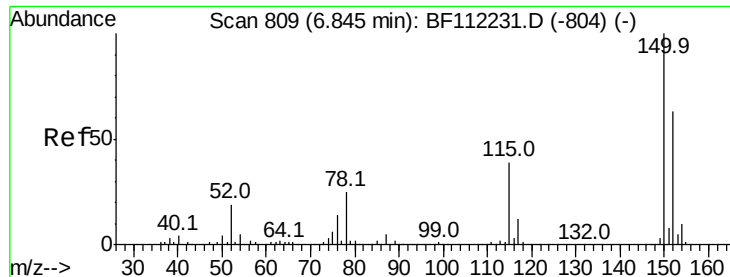
mohammad  
 1/29/2019 12:31:29 AM

Quant Time: Jan 28 03:05:05 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.00  | 237  | 131981   | 42.193 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.13  | 196  | 261477   | 45.186 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.17  | 196  | 276065   | 45.647 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 1095597  | 43.831 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 852057   | 43.957 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.43  | 65   | 230469   | 43.623 | ng    | 90       |
| 49) Acenaphthylene             | 9.75  | 152  | 1246800  | 43.885 | ng    | 99       |
| 50) Dimethylphthalate          | 9.60  | 163  | 967688   | 43.561 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.67  | 165  | 219410   | 44.101 | ng    | # 83     |
| 52) Acenaphthene               | 9.92  | 154  | 670780   | 39.523 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.84  | 138  | 241260   | 44.761 | ng    | 89       |
| 54) 2,4-Dinitrophenol          | 9.95  | 184  | 64506    | 40.400 | ng    | 87       |
| 55) Dibenzofuran               | 10.09 | 168  | 1143819  | 44.102 | ng    | 96       |
| 56) 4-Nitrophenol              | 10.02 | 139  | 130764   | 45.888 | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 289307   | 45.677 | ng    | # 84     |
| 58) Fluorene                   | 10.43 | 166  | 857373   | 44.176 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 208741   | 45.673 | ng    | 93       |
| 60) Diethylphthalate           | 10.30 | 149  | 983412   | 44.609 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 462985   | 43.854 | ng    | 92       |
| 62) 4-Nitroaniline             | 10.46 | 138  | 218722   | 41.371 | ng    | 94       |
| 63) Azobenzene                 | 10.58 | 77   | 881960   | 45.489 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 136761   | 45.769 | ng    | 95       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 793676   | 44.186 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.91 | 248  | 266121   | 42.455 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.99 | 284  | 304914   | 45.340 | ng    | 95       |
| 69) Atrazine                   | 11.07 | 200  | 271554   | 46.854 | ng    | 97       |
| 70) Pentachlorophenol          | 11.18 | 266  | 124114   | 47.430 | ng    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 1129234  | 40.756 | ng    | 99       |
| 72) Anthracene                 | 11.45 | 178  | 1181459  | 42.806 | ng    | 100      |
| 73) Carbazole                  | 11.60 | 167  | 1141952  | 41.945 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 1501206  | 44.424 | ng    | 99       |
| 75) Fluoranthene               | 12.59 | 202  | 1392814  | 46.868 | ng    | 97       |
| 77) Benzdine                   | 12.70 | 184  | 507889   | 36.161 | ng    | 98       |
| 78) Pyrene                     | 12.82 | 202  | 1452807  | 41.121 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 697141   | 40.784 | ng    | 90       |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 1179443  | 39.317 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 432938   | 38.563 | ng    | 99       |
| 83) Chrysene                   | 14.04 | 228  | 1136048  | 39.674 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 966523   | 39.834 | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.59 | 149  | 1458134  | 39.060 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 892103   | 39.318 | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.05 | 252  | 1001882  | 41.953 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 898417   | 39.276 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.42 | 252  | 859732   | 40.010 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.96 | 278  | 756040   | 43.656 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.40 | 276  | 718291   | 43.962 | ng    | 96       |

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





#1

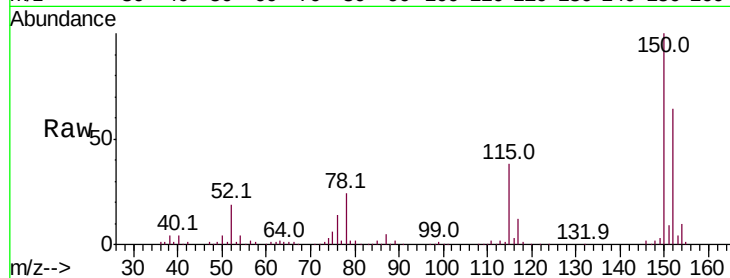
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 127.4 | 191.0 |
| 115     | 59.3  | 45.5  | 68.3  |

Manual Integrations  
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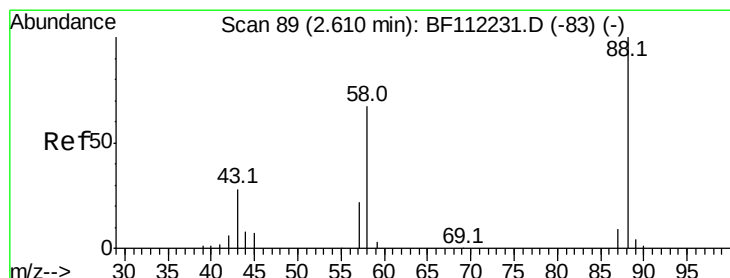
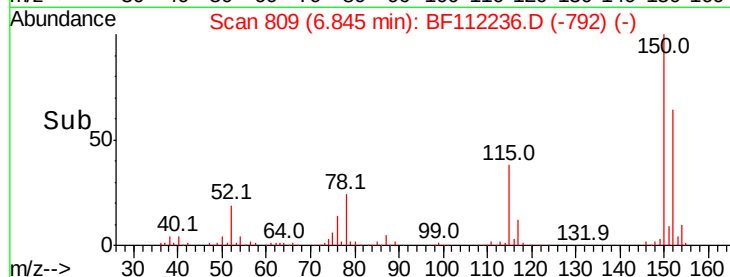
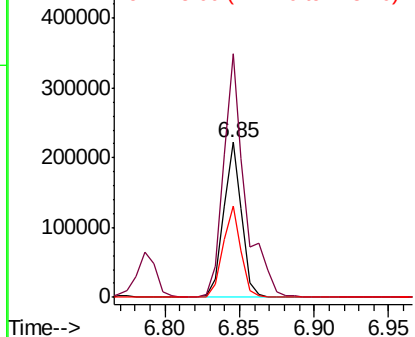


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

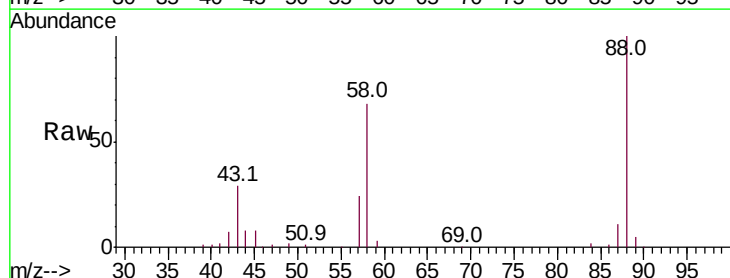
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 39.556 ng  
RT: 2.60 min Scan# 88  
Delta R.T. -0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.4  | 57.4  | 86.2  |
| 43      | 28.3  | 22.2  | 33.4  |

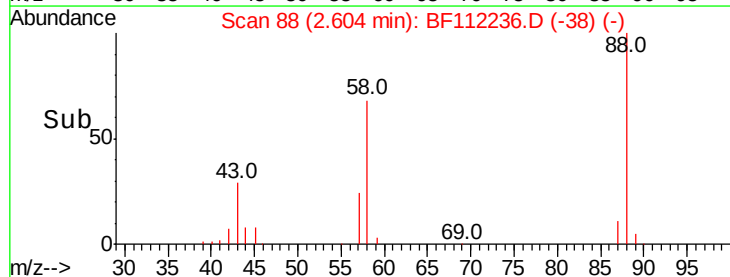
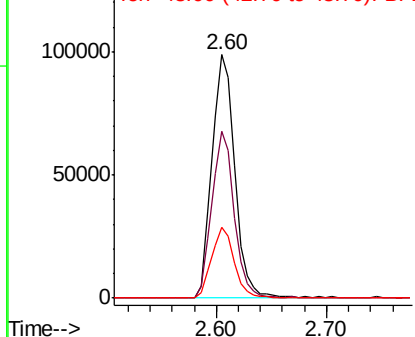


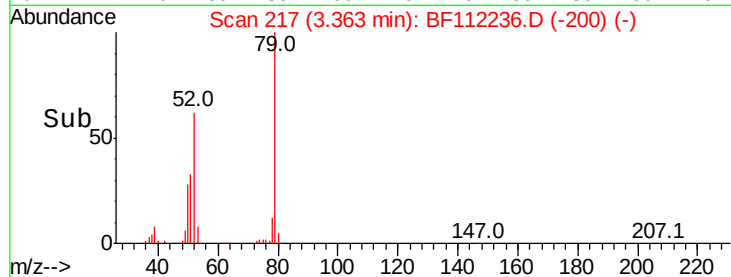
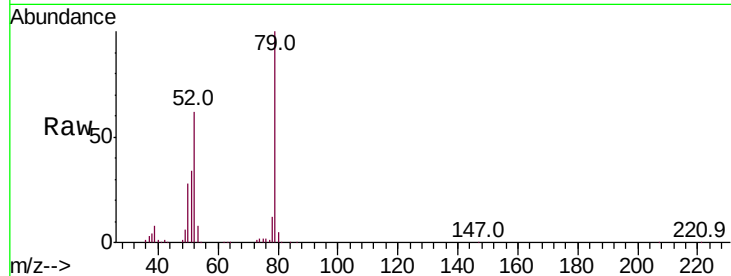
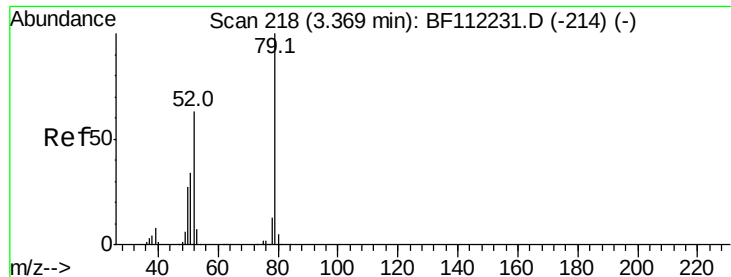
Abundance

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: 37.136 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.00 min

Lab File: BF112236.D

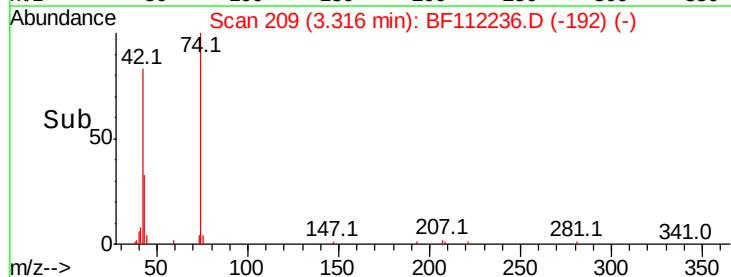
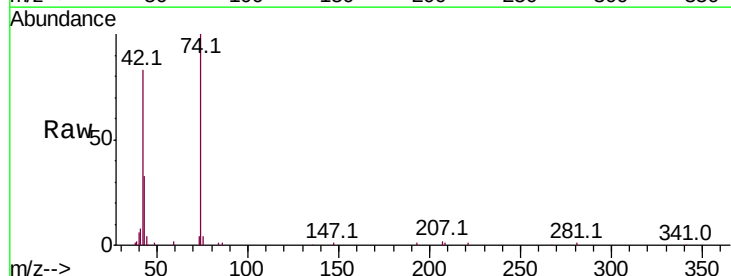
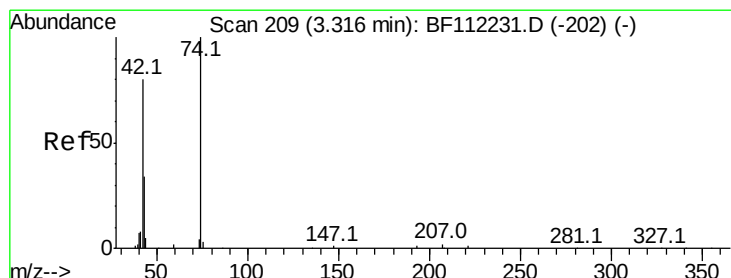
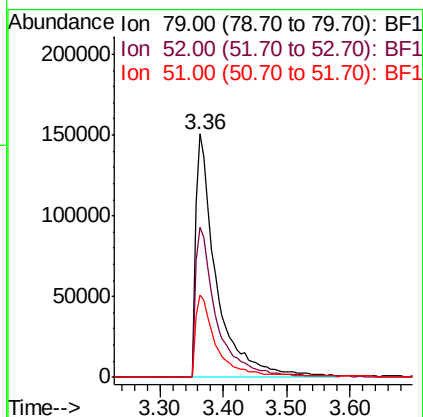
Acq: 25 Jan 2019 16:45

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 61.8  | 52.4  | 78.6  |
| 51      | 33.6  | 26.1  | 39.1  |

Instrument :  
BNA\_F  
ClientSampleId :  
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#4

n-Nitrosodimethylamine

Concen: 37.568 ng

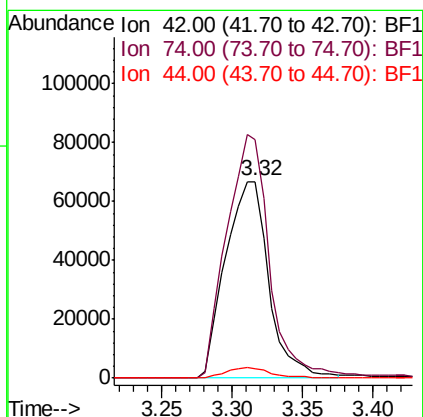
RT: 3.32 min Scan# 209

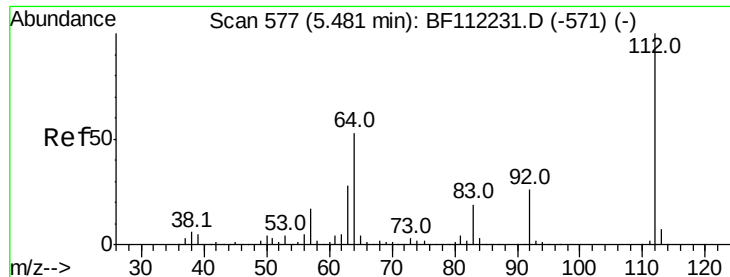
Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 120.9 | 105.6 | 158.4 |
| 44      | 4.9   | 5.4   | 8.2#  |





#5

2-Fluorophenol

Concen: 74.221 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

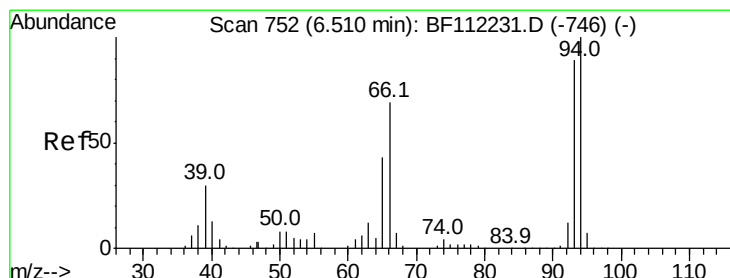
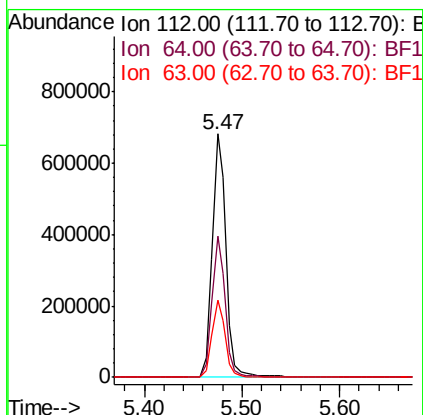
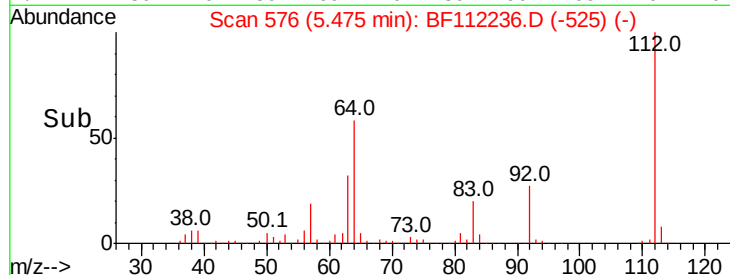
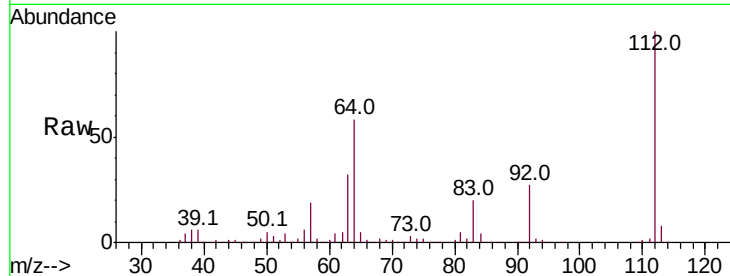
ClientSampleId :

ICVBF012519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 664754 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.9  | 45.7  | 68.5   |
| 63        | 31.6  | 23.6  | 35.4   |

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#6

Aniline

Concen: 39.873 ng

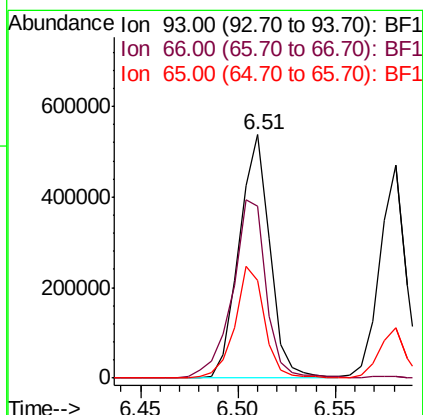
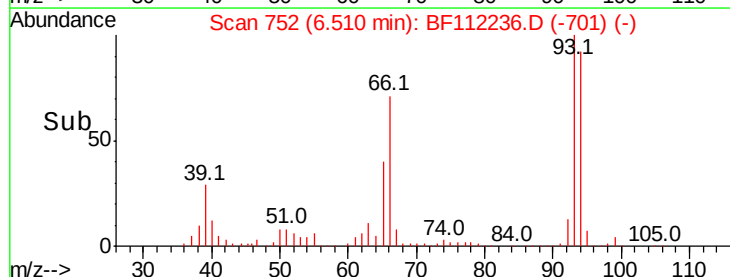
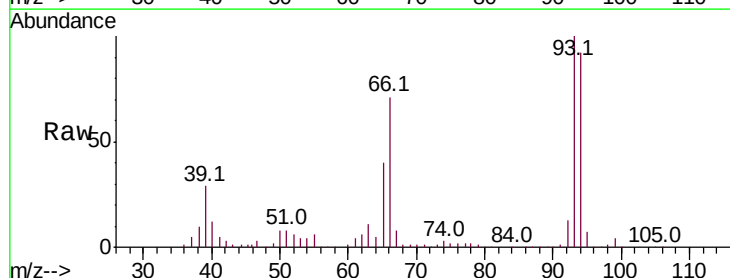
RT: 6.51 min Scan# 752

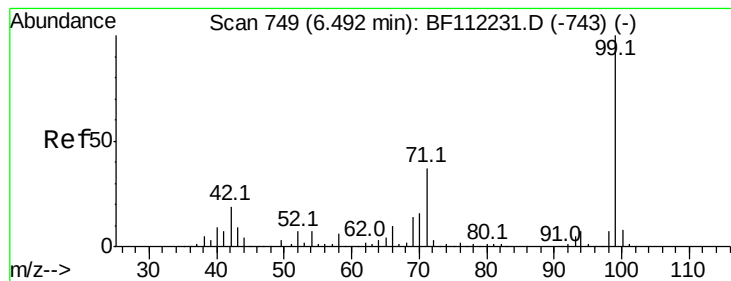
Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 590316 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 70.8  | 43.4  | 65.2#  |
| 65        | 40.3  | 25.3  | 37.9#  |





#7

Phenol-d6

Concen: 79.324 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

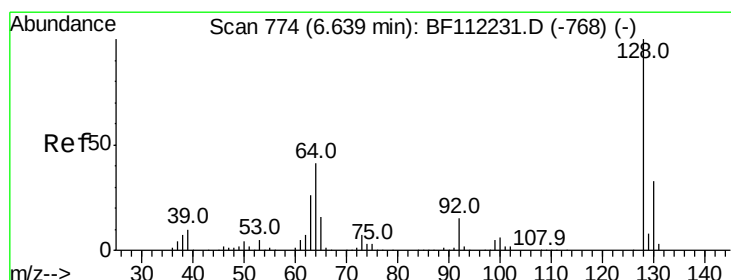
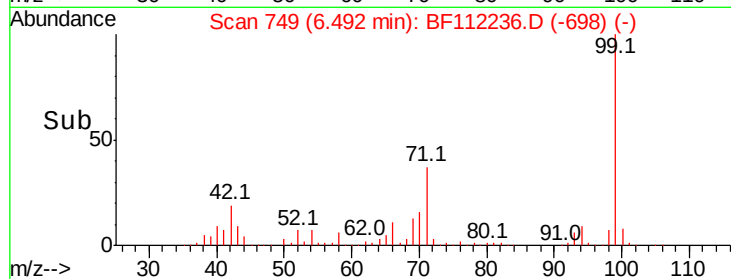
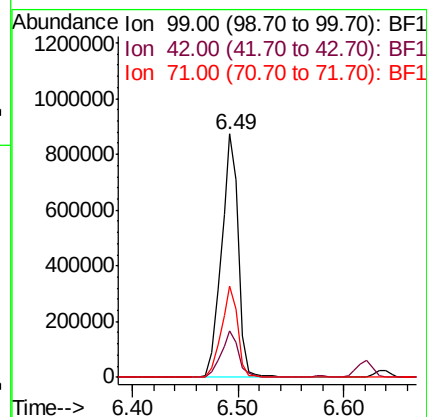
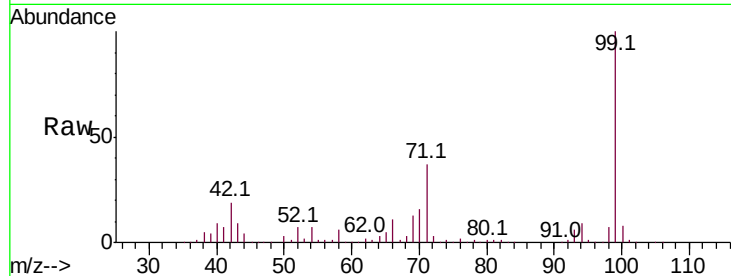
ClientSampleId :

ICVBF012519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 987225 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.1  | 15.1  | 22.7   |
| 71        | 37.3  | 26.9  | 40.3   |

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#8

2-Chlorophenol

Concen: 39.680 ng

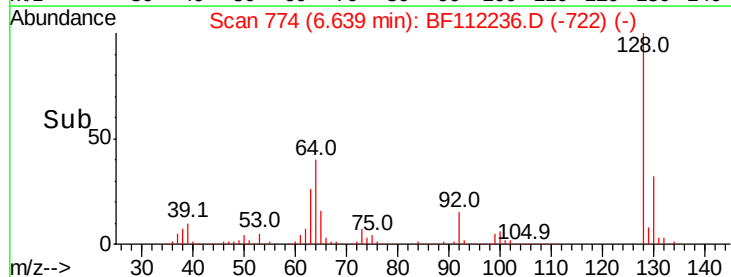
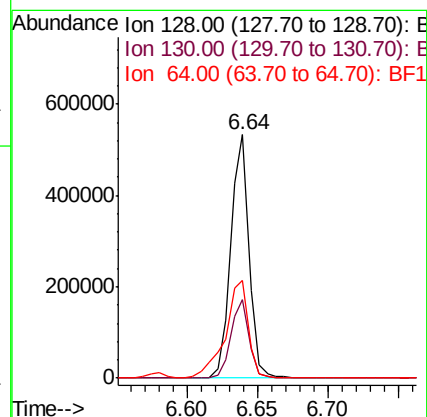
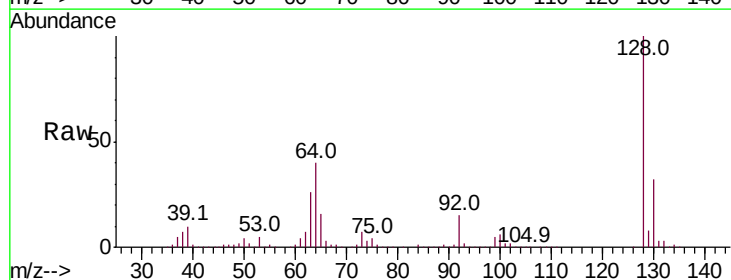
RT: 6.64 min Scan# 774

Delta R.T. 0.01 min

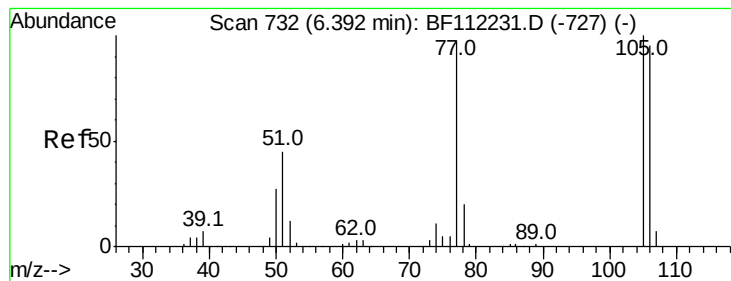
Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 478090 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.5  | 13.4  | 53.4   |
| 64        | 40.0  | 20.5  | 60.5   |







#9

Benzaldehyde

Concen: 39.542 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

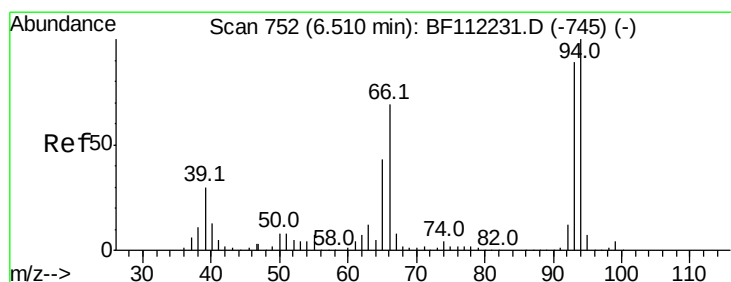
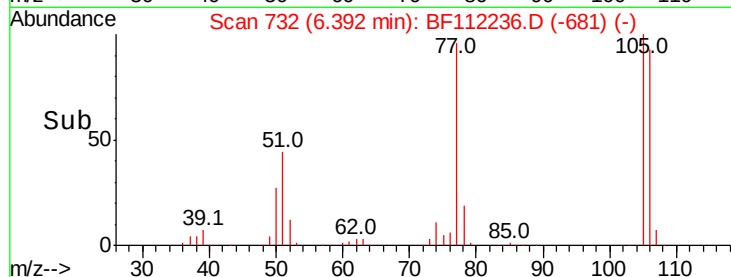
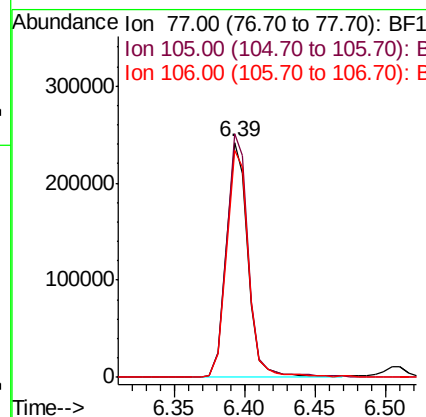
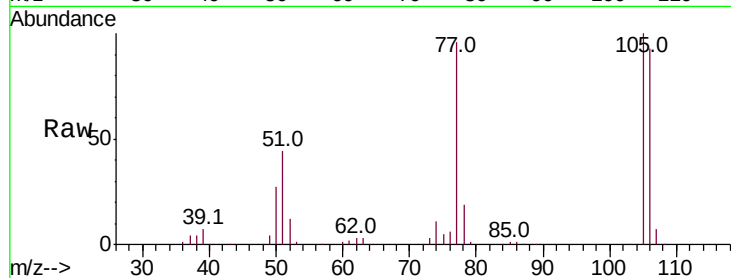
ClientSampleId :

ICVBF012519

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 257221 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 103.7 | 80.8  | 120.8  |
| 106      | 96.6  | 75.7  | 115.7  |

Manual Integrations  
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#10

Phenol

Concen: 40.379 ng

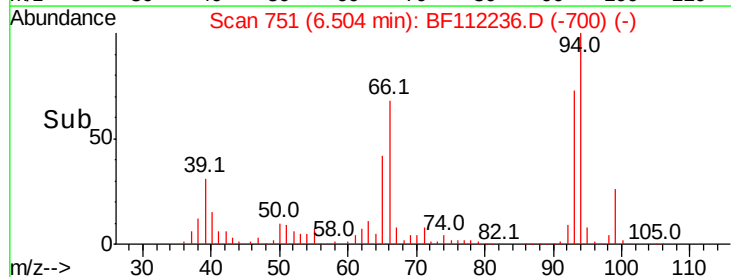
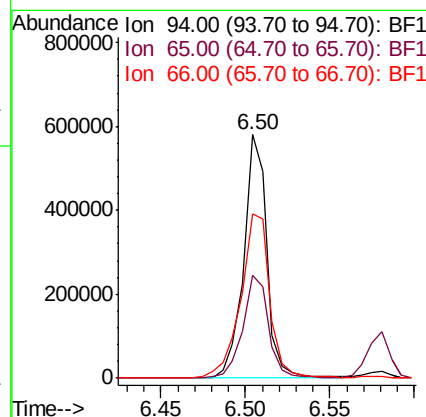
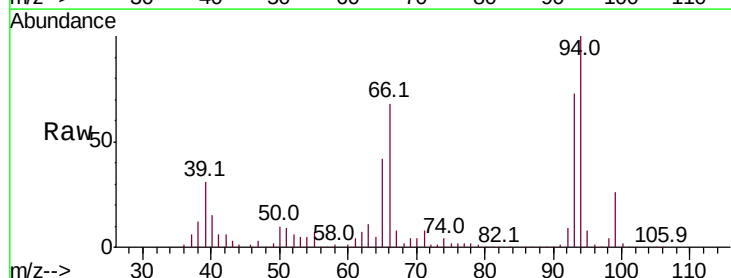
RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

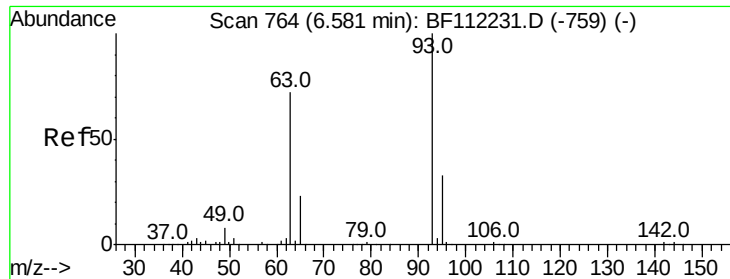
Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 551334 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 42.3  | 20.3  | 60.3   |
| 66       | 67.6  | 42.4  | 82.4   |







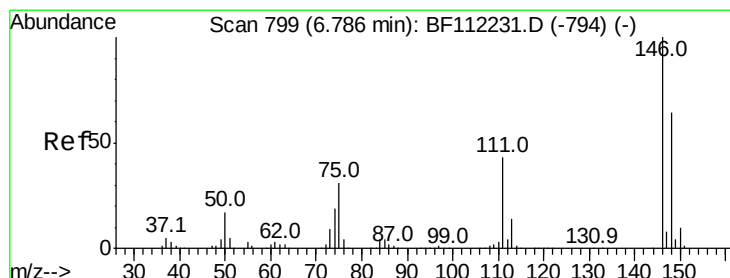
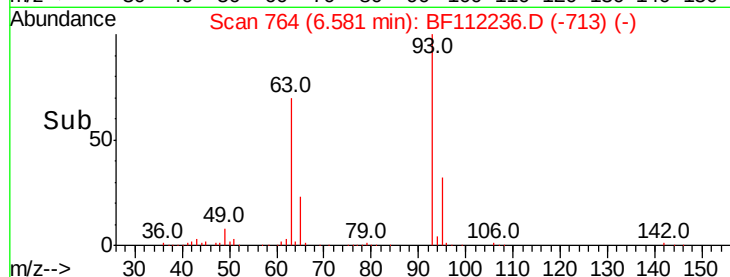
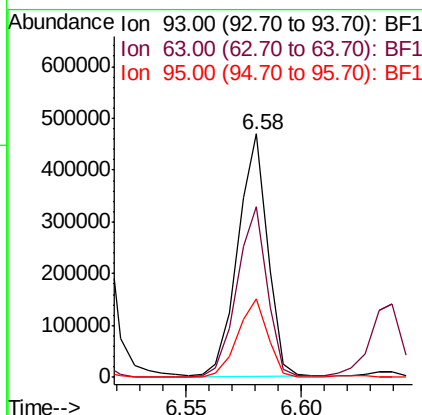
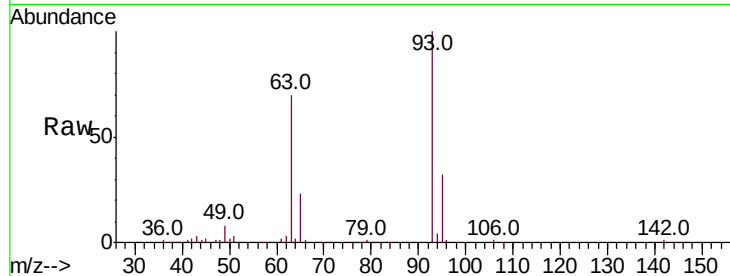
#11  
bis(2-Chloroethyl)ether  
Concen: 39.212 ng  
RT: 6.58 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 70.1  | 53.3  | 93.3  |
| 95      | 32.2  | 13.4  | 53.4  |

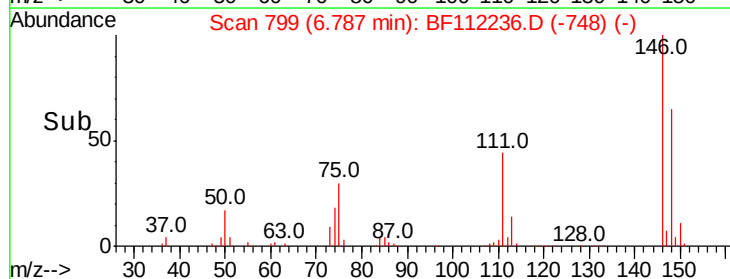
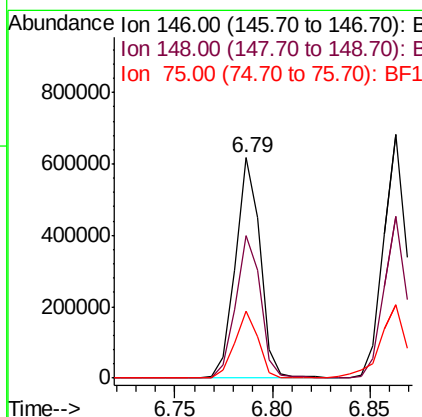
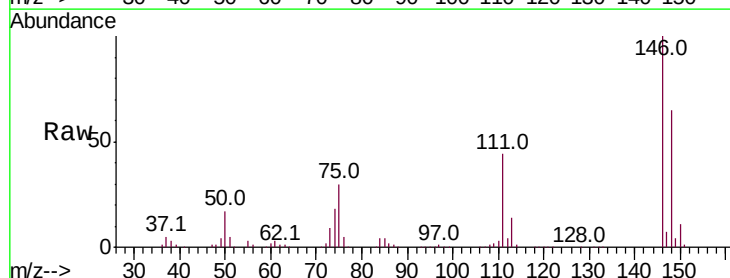
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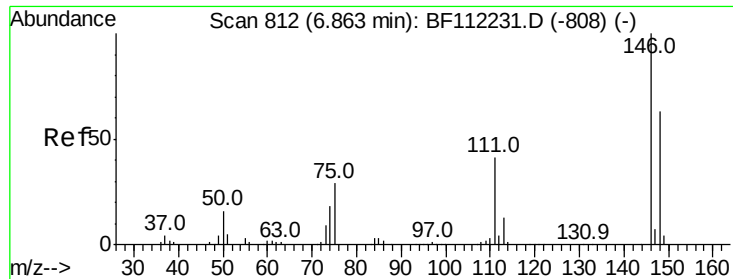
mohammad  
1/29/2019 12:31:29 AM



#12  
1,3-Dichlorobenzene  
Concen: 38.766 ng  
RT: 6.79 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 51.8  | 77.8  |
| 75      | 30.2  | 23.1  | 34.7  |





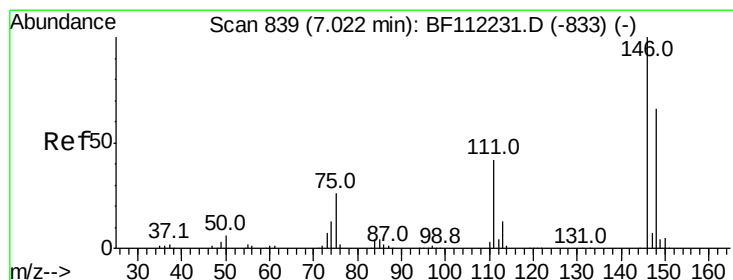
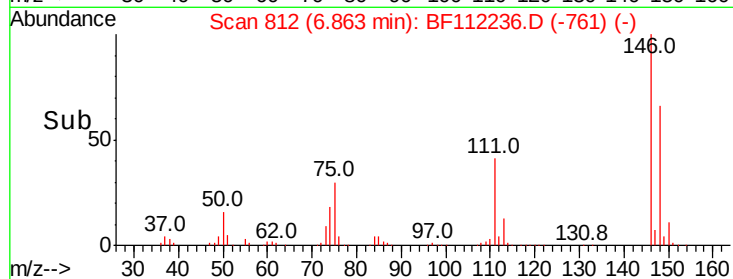
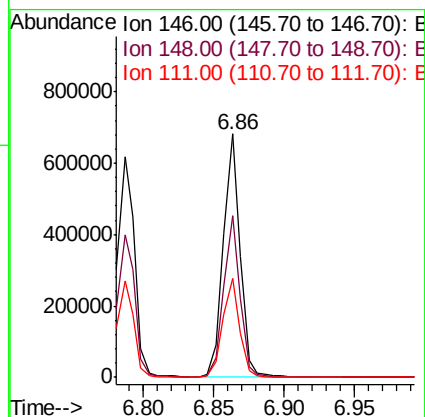
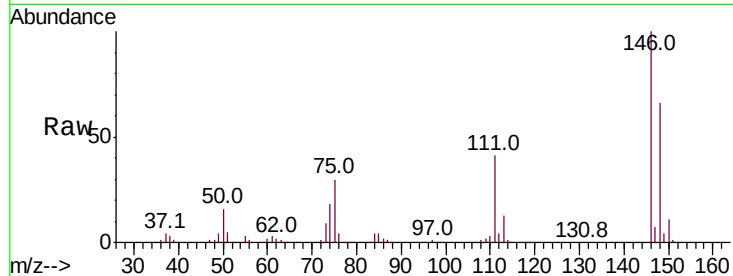
#13  
1,4-Dichlorobenzene  
Concen: 39.087 ng  
RT: 6.86 min Scan# 812  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.2  | 52.0  | 78.0  |
| 111     | 40.8  | 31.2  | 46.8  |

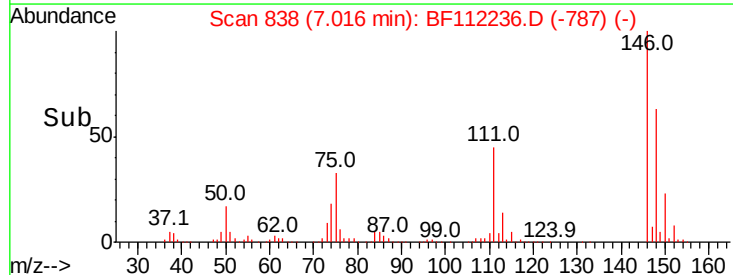
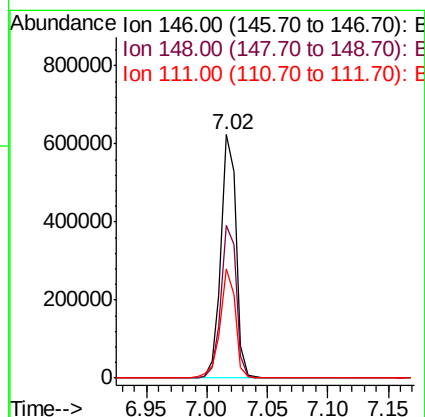
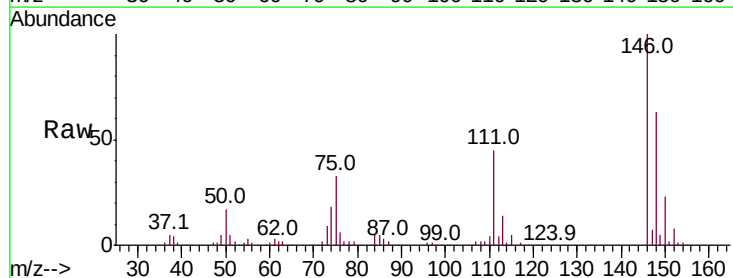
Manual Integrations  
APPROVED

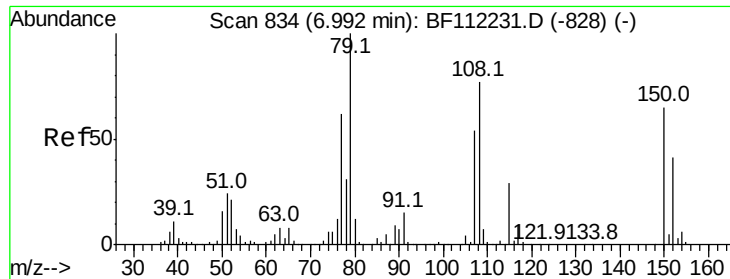
mohammad  
1/29/2019 12:31:29 AM



#14  
1,2-Dichlorobenzene  
Concen: 39.576 ng  
RT: 7.02 min Scan# 838  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.0  | 52.2  | 78.4  |
| 111     | 45.0  | 31.2  | 46.8  |





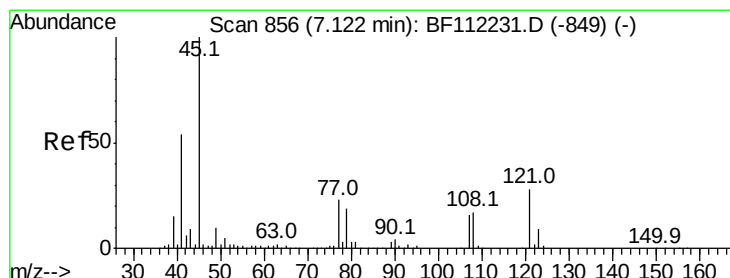
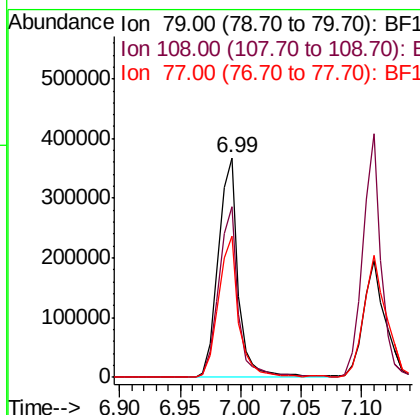
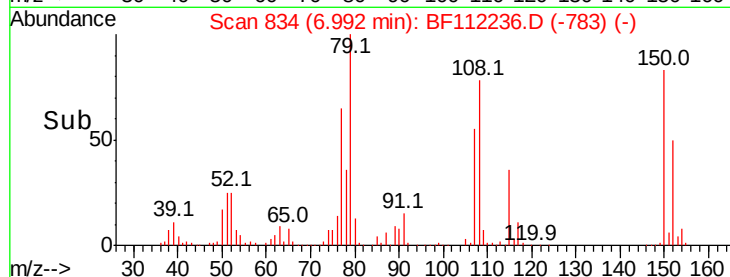
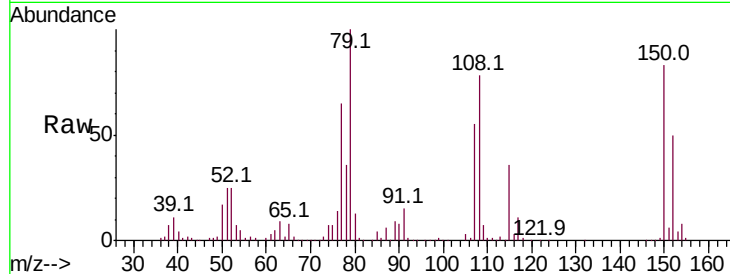
#15  
Benzyl Alcohol  
Concen: 39.926 ng  
RT: 6.99 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleID :  
ICVBF012519

Tot Ion: 79 Resp: 418867  
Ion Ratio Lower Upper  
79 100  
108 77.6 64.2 96.2  
77 64.5 50.3 75.5

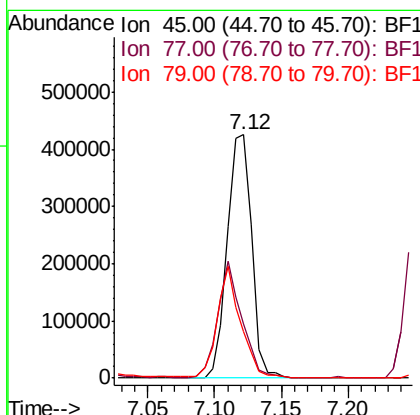
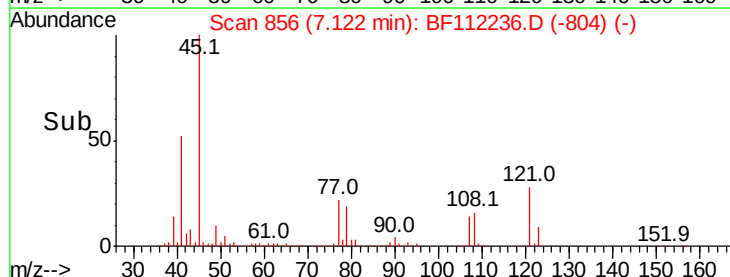
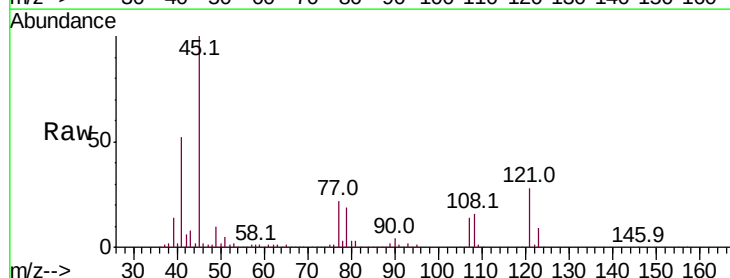
Manual Integrations  
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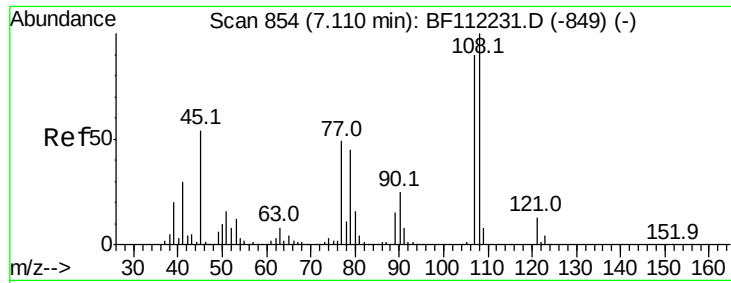
mohammad  
1/29/2019 12:31:29 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.047 ng  
RT: 7.12 min Scan# 856  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Tgt Ion: 45 Resp: 552731  
Ion Ratio Lower Upper  
45 100  
77 22.1 0.0 36.9  
79 18.8 0.0 34.0





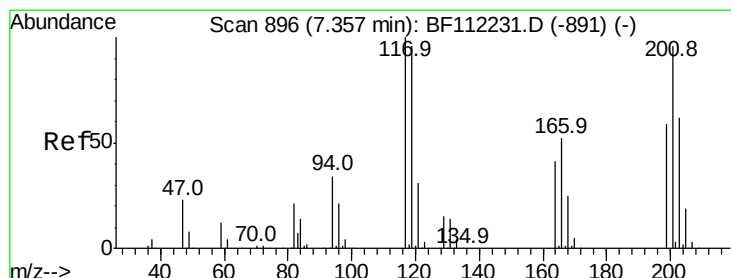
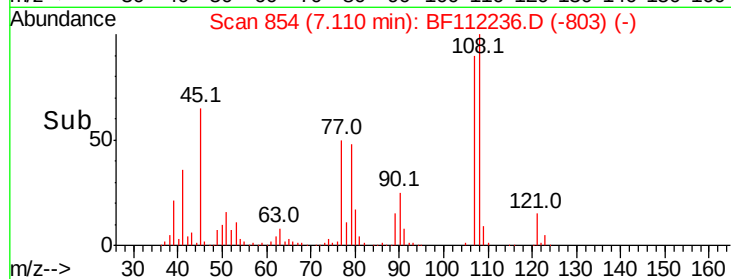
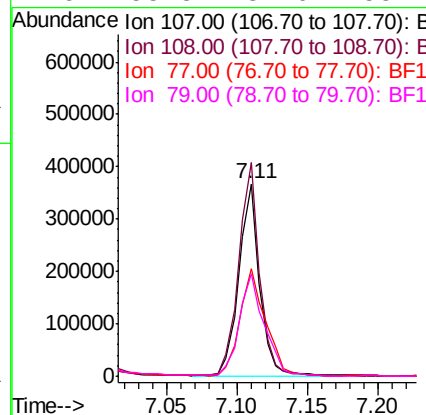
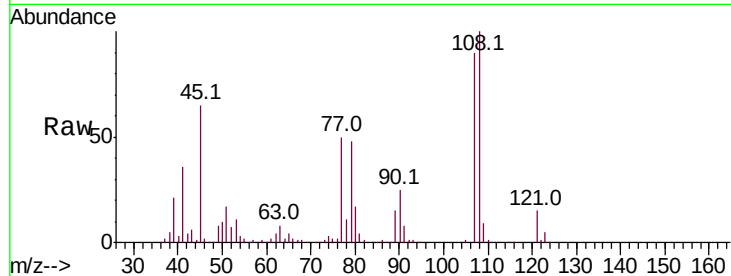
#17  
2-Methylphenol  
Concen: 39.336 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.9 | 91.3  | 136.9 |
| 77      | 55.6  | 39.0  | 58.6  |
| 79      | 53.3  | 37.0  | 55.4  |

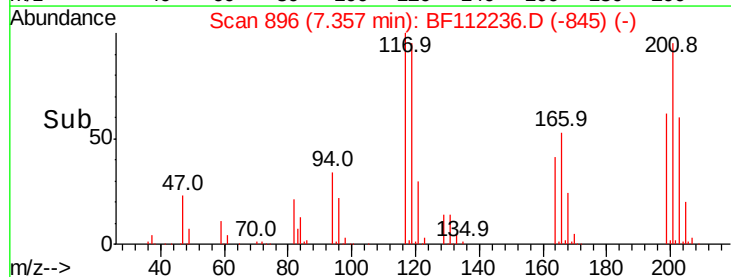
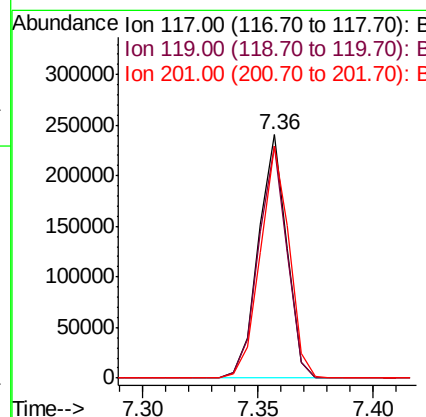
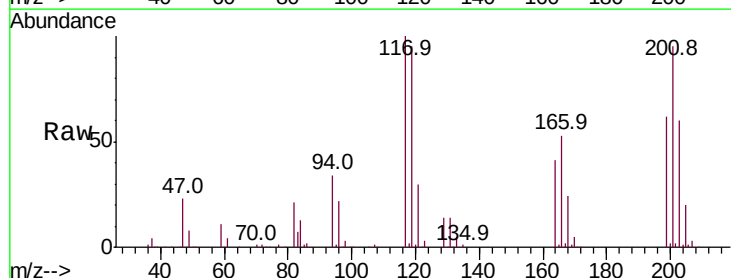
Manual Integrations  
APPROVED

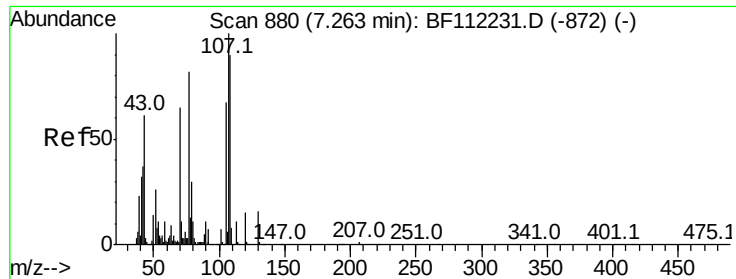
mohammad  
1/29/2019 12:31:29 AM



#18  
Hexachloroethane  
Concen: 40.535 ng  
RT: 7.36 min Scan# 896  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 77.0  | 115.4 |
| 201     | 95.4  | 74.1  | 111.1 |





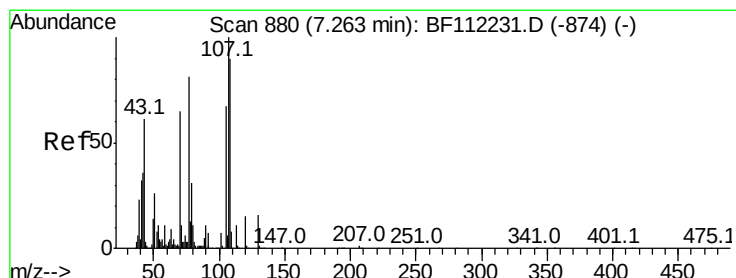
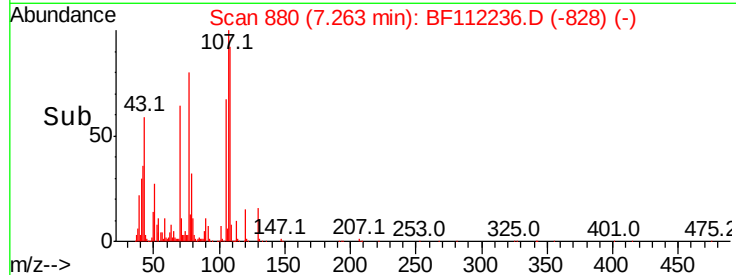
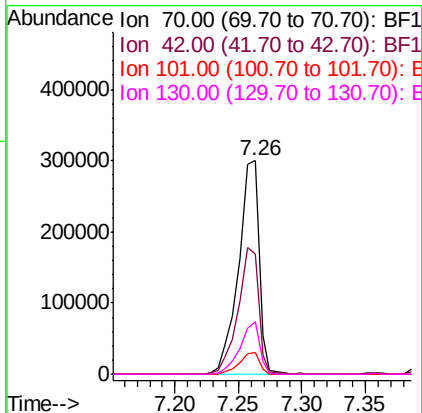
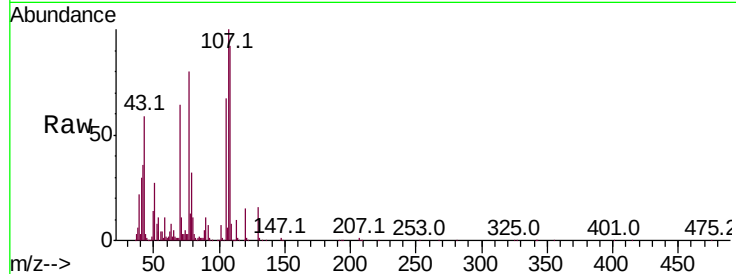
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.393 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 56.1  | 47.6  | 71.4  |
| 101     | 10.4  | 7.9   | 11.9  |
| 130     | 24.7  | 18.4  | 27.6  |

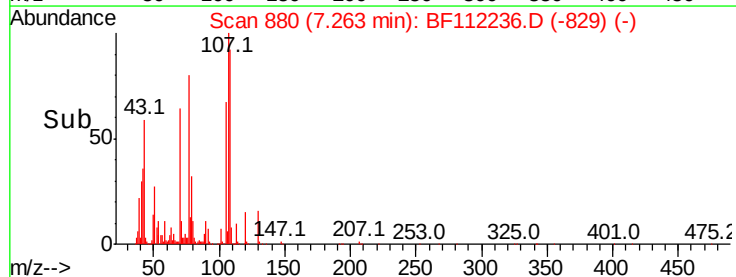
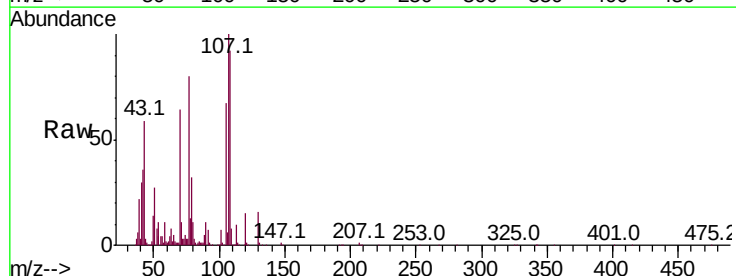
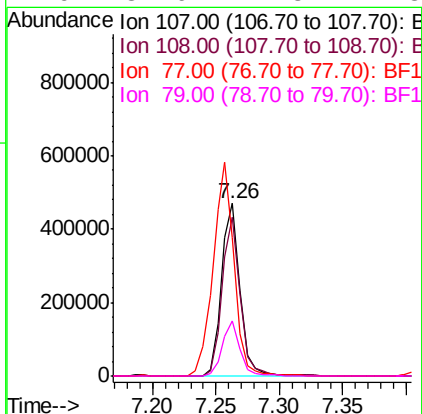
Manual Integrations  
APPROVED

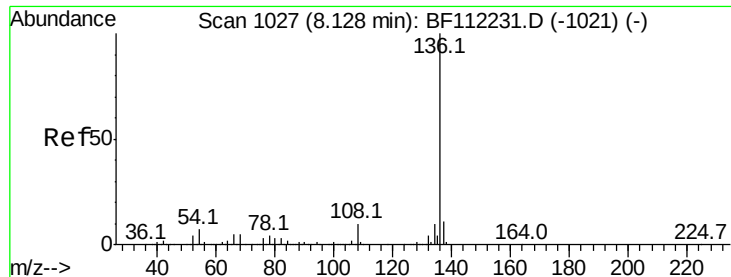
mohammad  
1/29/2019 12:31:29 AM



#20  
3+4-Methylphenols  
Concen: 39.079 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 91.8  | 68.2  | 108.2  |
| 77      | 80.0  | 100.7 | 140.7# |
| 79      | 31.6  | 7.3   | 47.3   |





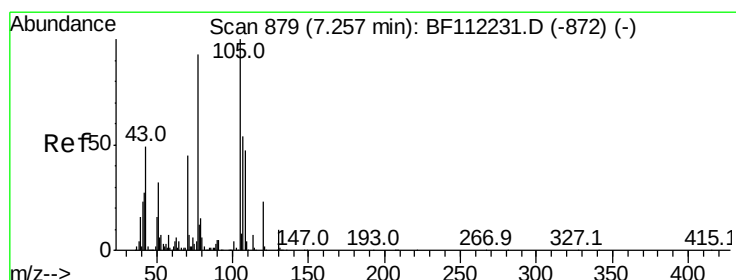
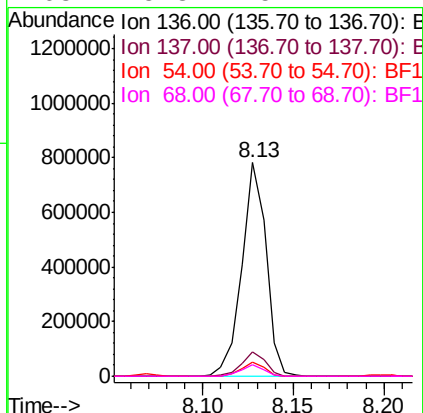
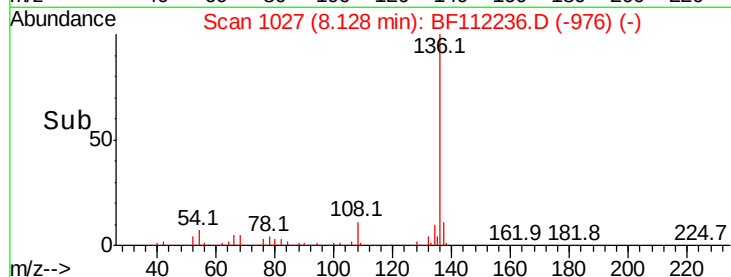
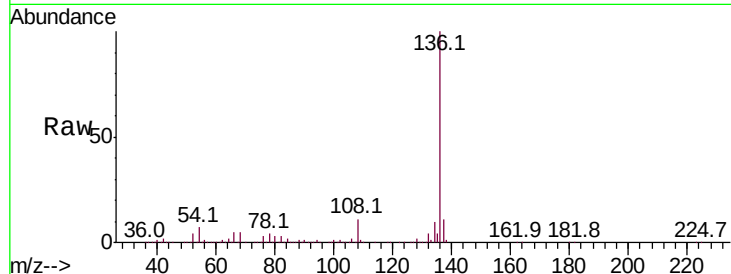
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.4  | 9.1  | 13.7  |       |
| 54      | 6.5   | 5.9  | 8.9   |       |
| 68      | 5.3   | 5.1  | 7.7   |       |

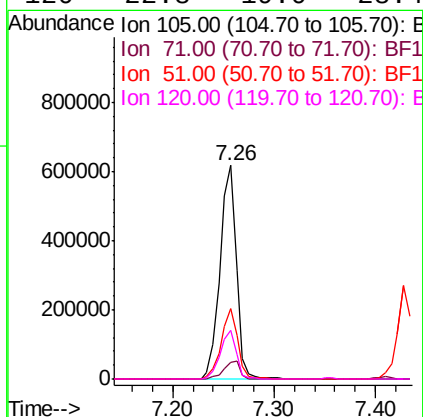
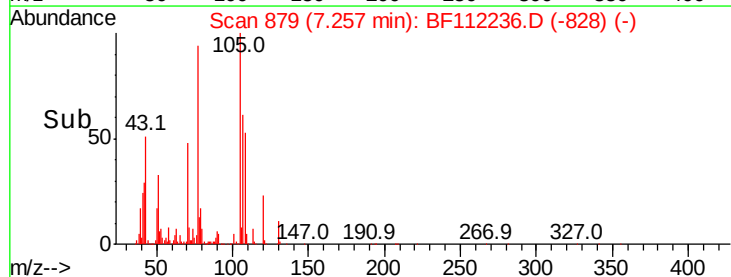
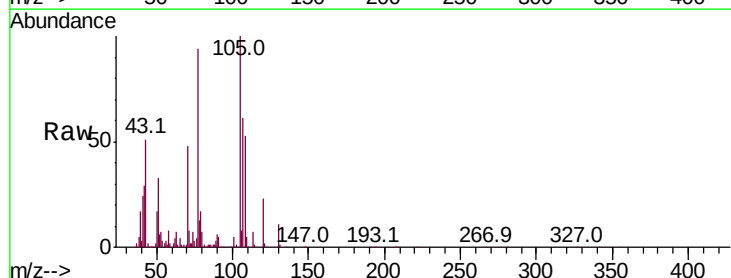
Manual Integrations  
APPROVED

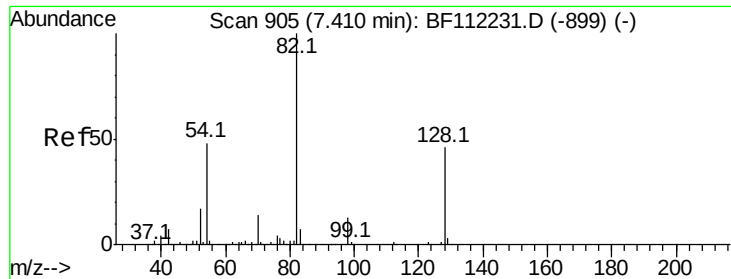
mohammad  
1/29/2019 12:31:29 AM



#22  
Acetophenone  
Concen: 39.171 ng  
RT: 7.26 min Scan# 879  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 8.1   | 4.6  | 6.8#  |       |
| 51      | 32.8  | 25.0 | 37.6  |       |
| 120     | 22.8  | 19.0 | 28.4  |       |





#23  
 Nitrobenzene-d5  
 Concen: 80.131 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

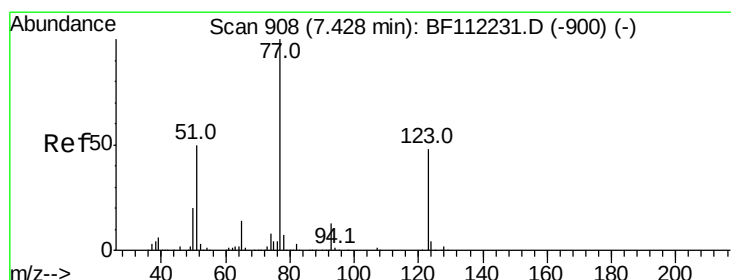
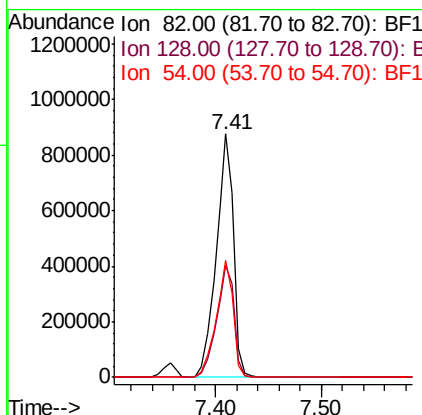
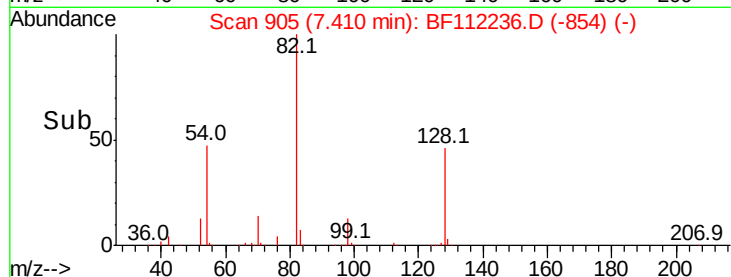
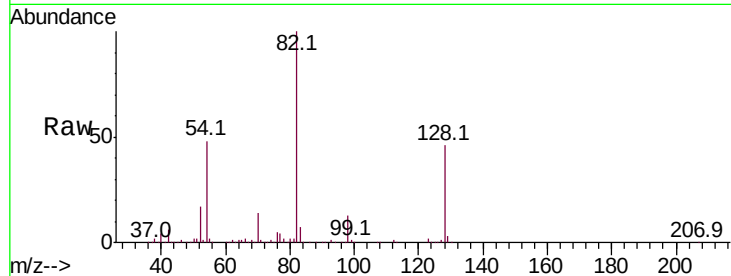
Instrument :  
 BNA\_F  
 ClientSampleID :  
 ICVBF012519

Tot Ion: 82 Resp: 1011472  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.2  | 37.8  | 56.8  |
| 54  | 48.2  | 39.7  | 59.5  |

Manual Integrations  
 APPROVED

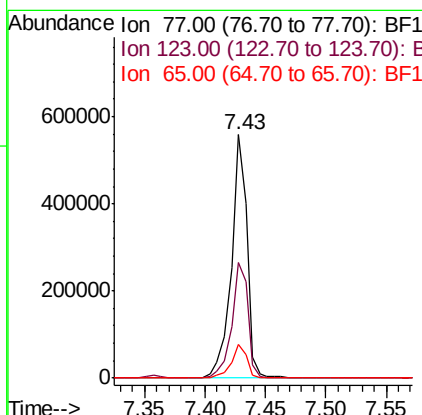
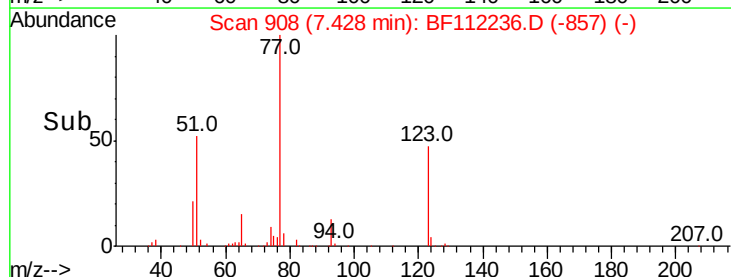
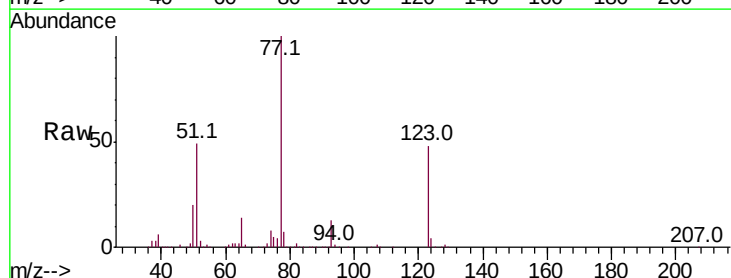
mohammad  
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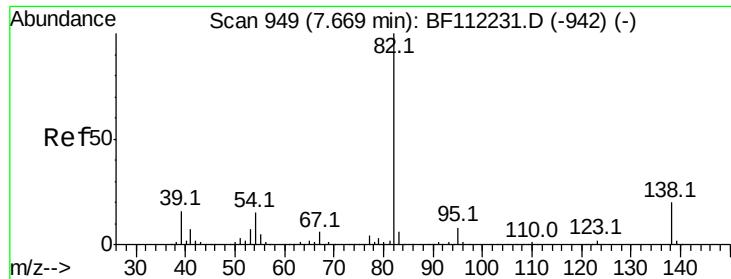
#24  
 Nitrobenzene  
 Concen: 39.767 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Tgt Ion: 77 Resp: 501318  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.5  | 38.4  | 57.6  |
| 65  | 13.6  | 10.6  | 15.8  |







#25

Isophorone

Concen: 40.404 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

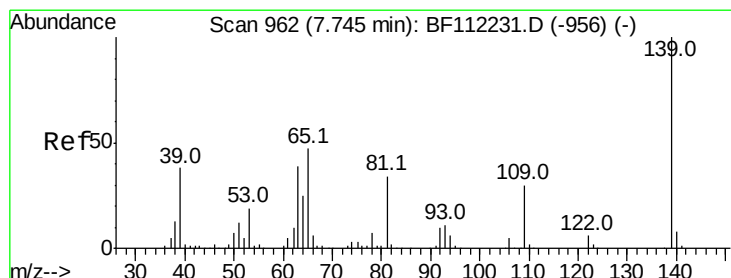
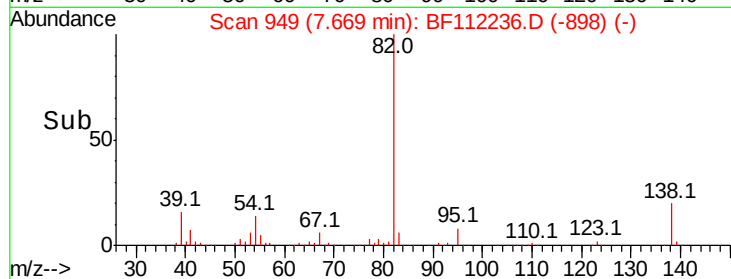
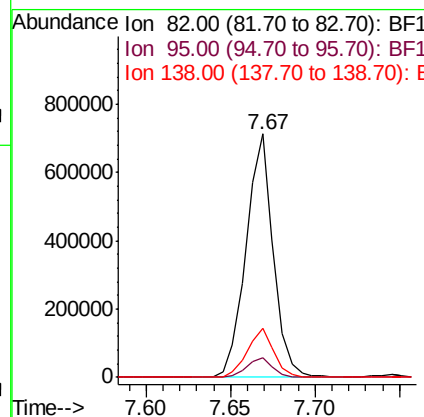
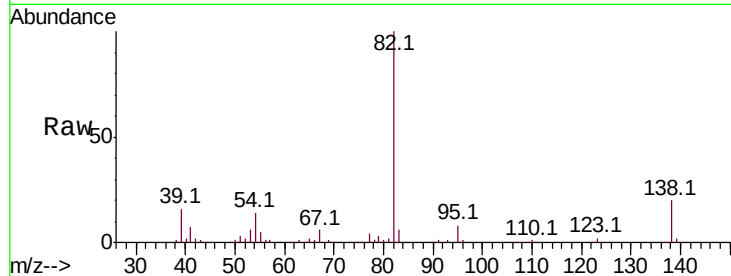
ClientSampleId :

ICVBF012519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 800092 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.9   | 5.7   | 8.5    |
| 138       | 20.0  | 15.4  | 23.0   |

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#26

2-Nitrophenol

Concen: 41.843 ng

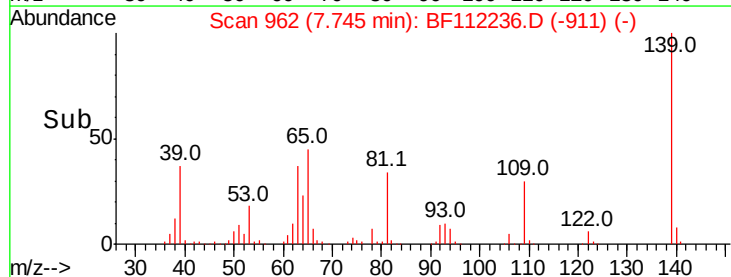
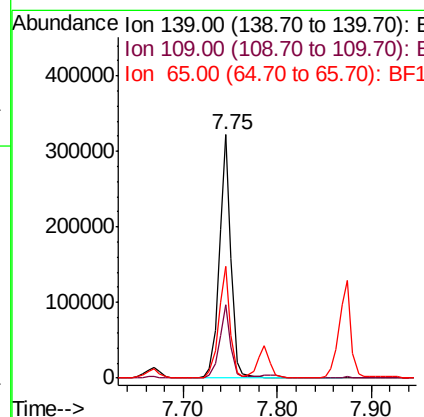
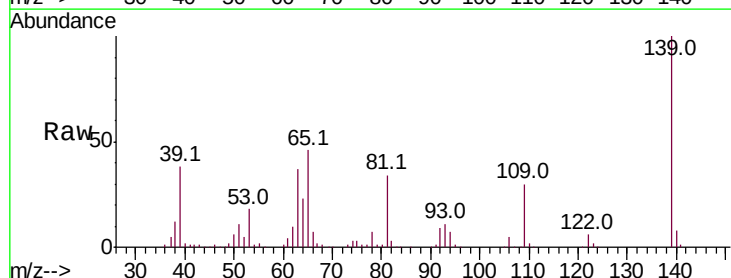
RT: 7.75 min Scan# 962

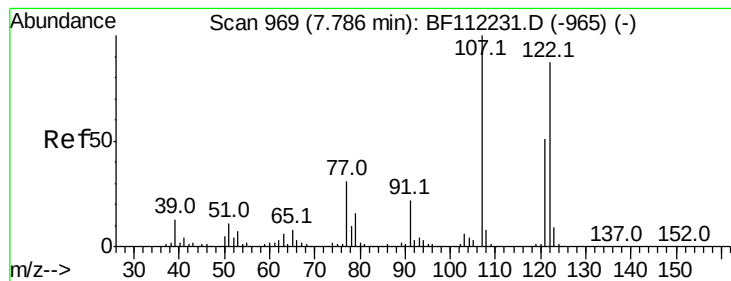
Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 281898 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 30.2  | 20.8  | 31.2   |
| 65        | 45.9  | 34.4  | 51.6   |





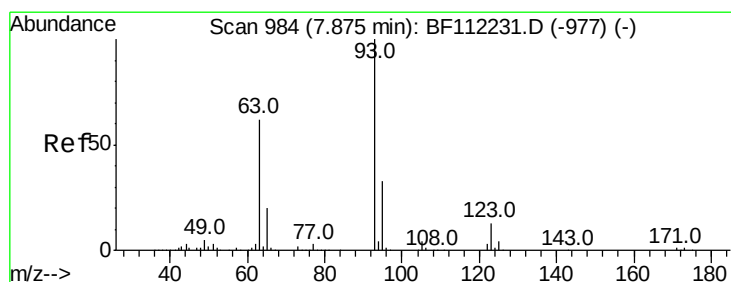
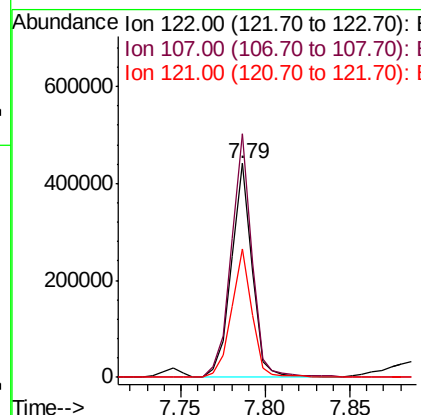
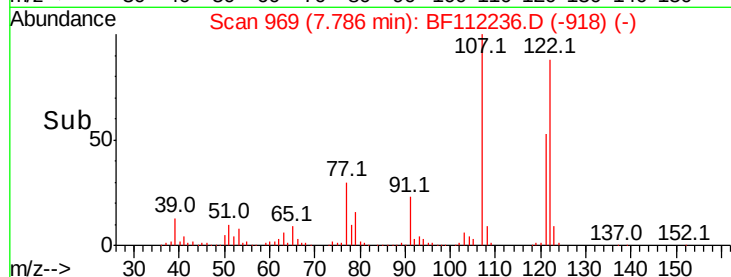
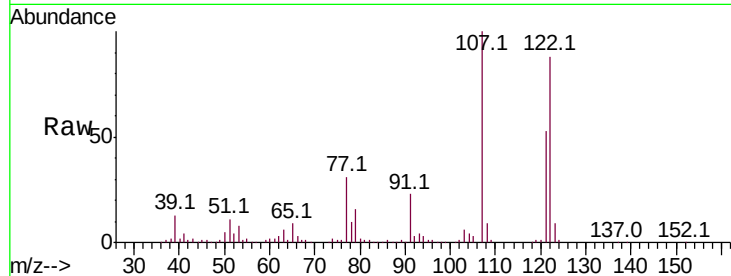
#27  
2,4-Dimethylphenol  
Concen: 40.048 ng  
RT: 7.79 min Scan# 969  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.9 | 85.4  | 128.0 |
| 121     | 60.3  | 47.0  | 70.4  |

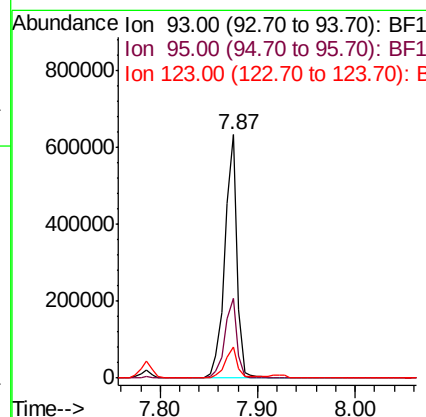
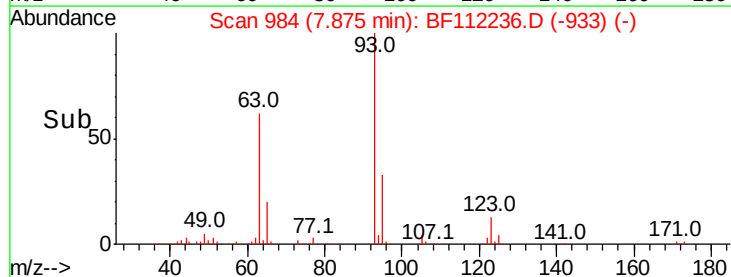
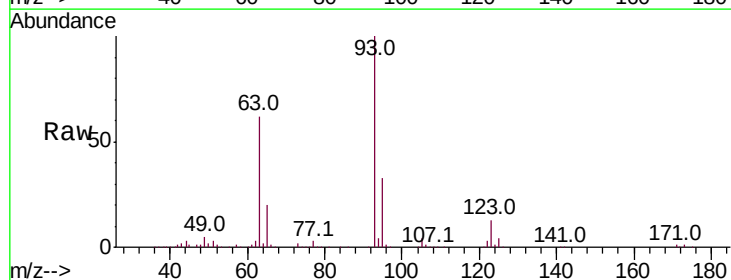
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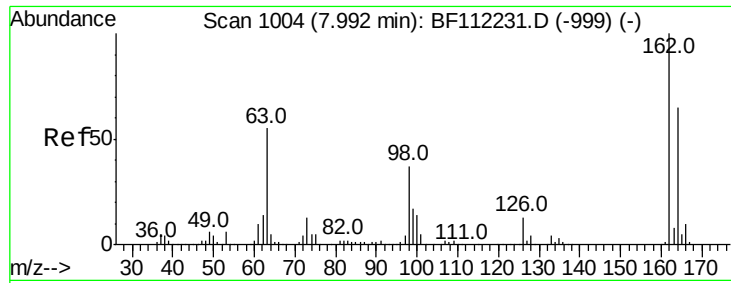
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 40.490 ng  
RT: 7.87 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.6  | 26.8  | 40.2  |
| 123     | 12.8  | 10.2  | 15.2  |





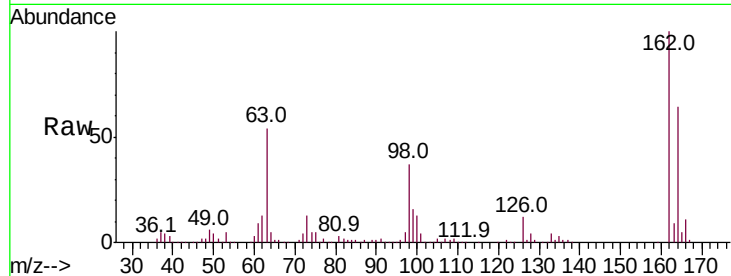
#29  
2,4-Dichlorophenol  
Concen: 40.631 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

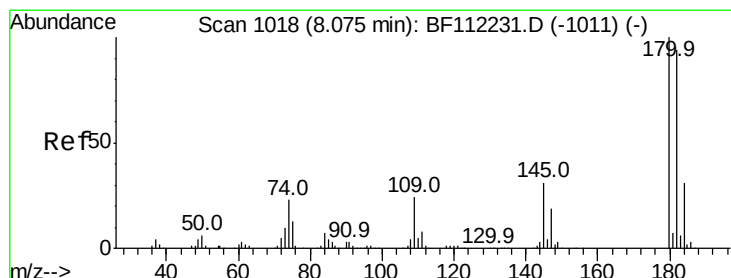
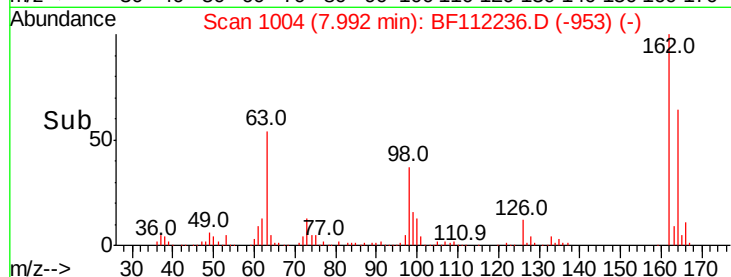
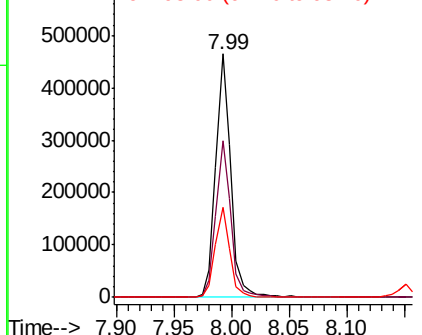
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 422052 |       |       |
| 164     | 64.1  |        | 44.6  | 84.6  |
| 98      | 36.8  |        | 14.6  | 54.6  |

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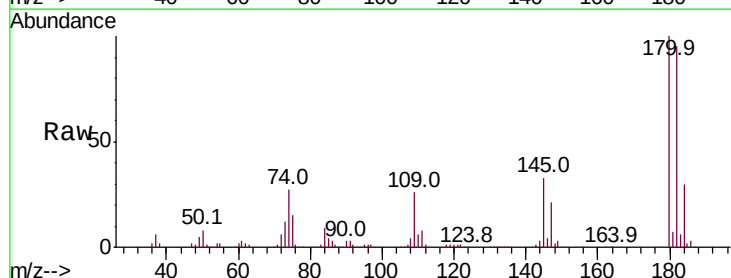


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

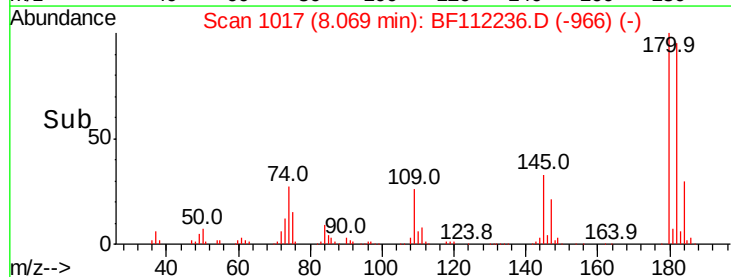
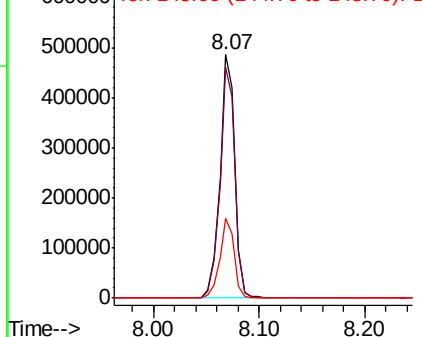


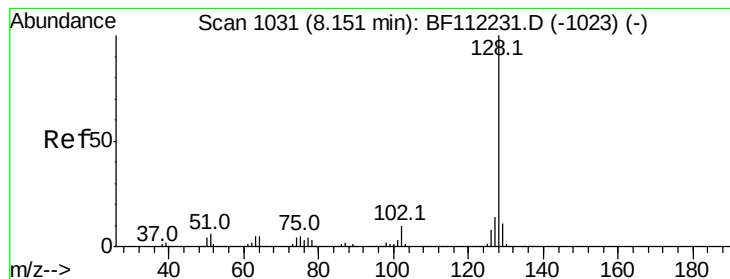
#30  
1,2,4-Trichlorobenzene  
Concen: 40.194 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 479915 |       |       |
| 182     | 94.9  |        | 76.4  | 114.6 |
| 145     | 32.9  |        | 25.0  | 37.4  |



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





#31

Naphthalene

Concen: 39.649 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF012519

Tot Ion:128 Resp: 1348563

Ion Ratio Lower Upper

128 100

129 11.4 9.6 14.4

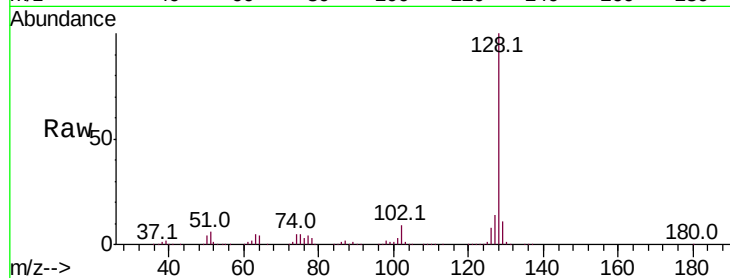
127 13.8 11.1 16.7

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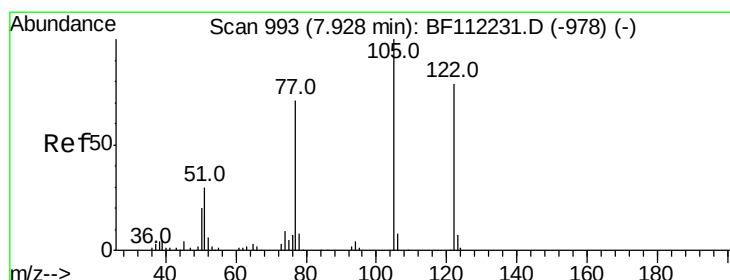
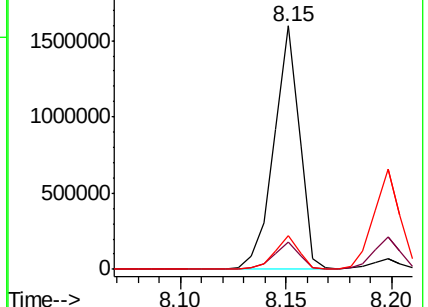
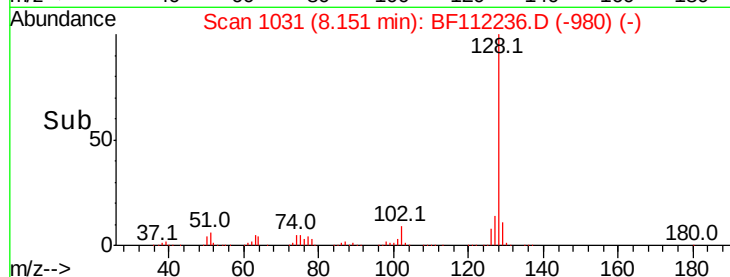
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.040 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

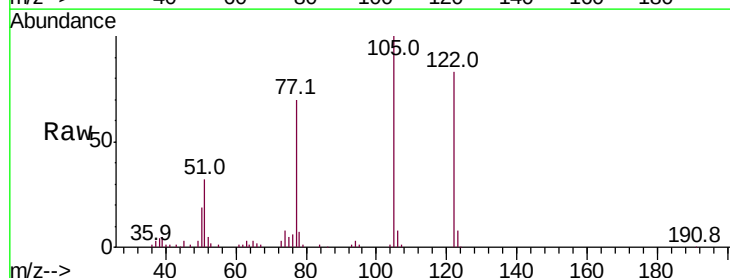
Tgt Ion:122 Resp: 196116

Ion Ratio Lower Upper

122 100

105 120.7 101.2 141.2

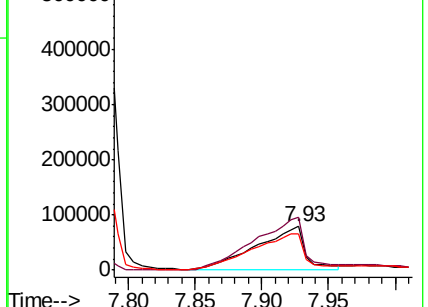
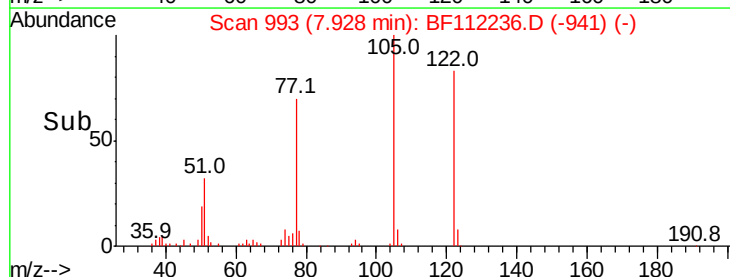
77 84.5 70.4 110.4

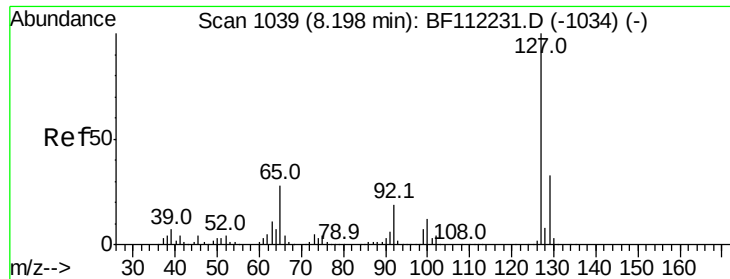


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





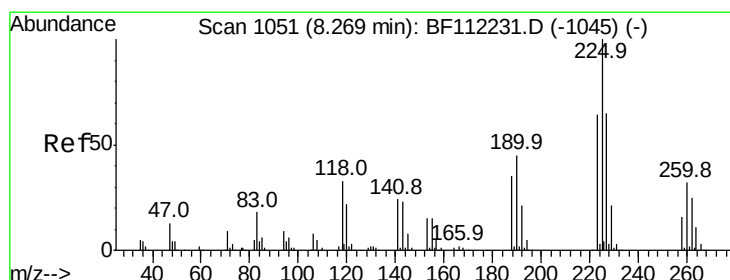
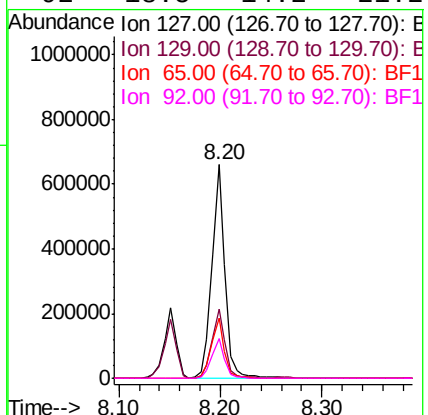
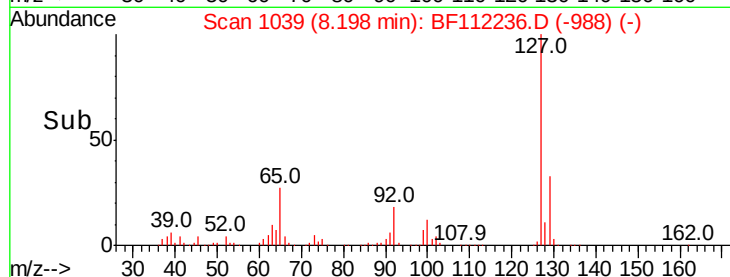
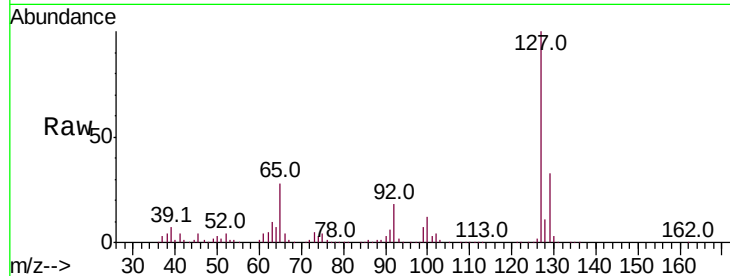
#33  
4-Chloroaniline  
Concen: 40.068 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.6  | 26.6  | 39.8  |
| 65      | 27.9  | 21.4  | 32.2  |
| 92      | 18.5  | 14.2  | 21.2  |

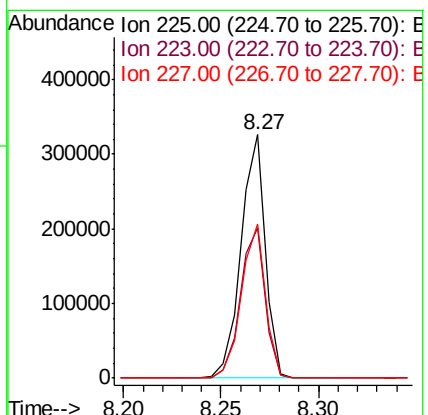
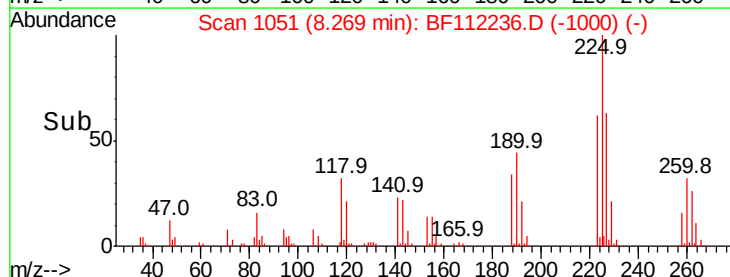
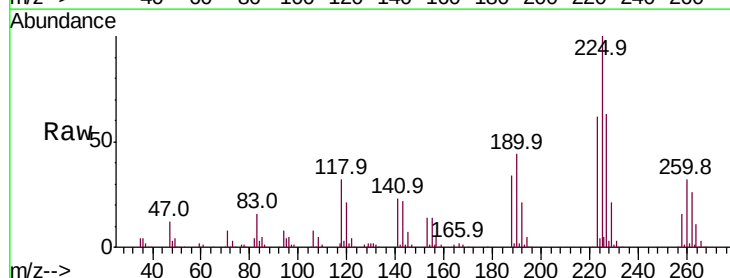
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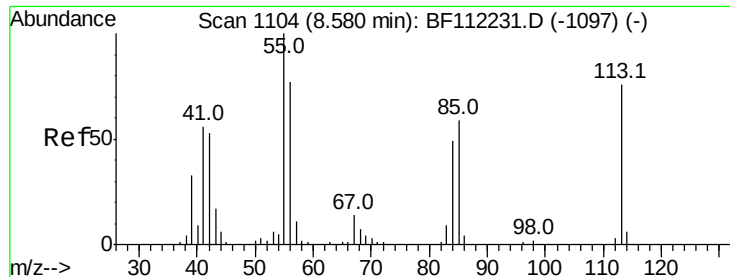
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 40.157 ng  
RT: 8.27 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 50.3  | 75.5  |
| 227     | 63.4  | 51.8  | 77.8  |





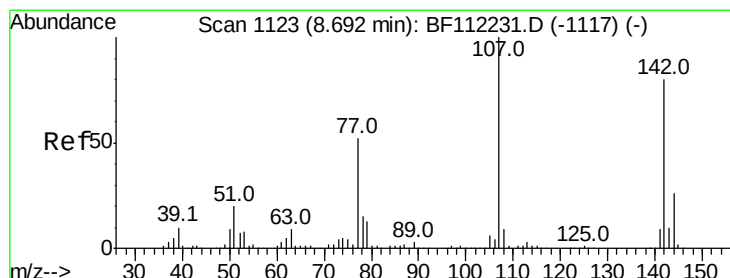
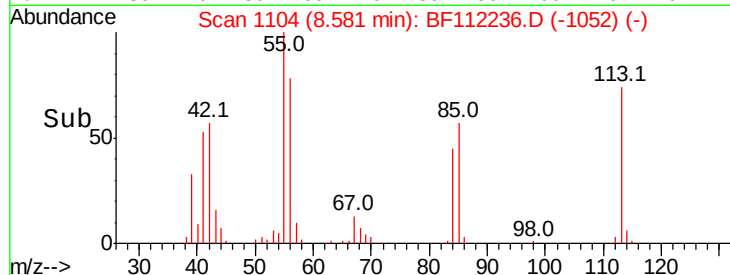
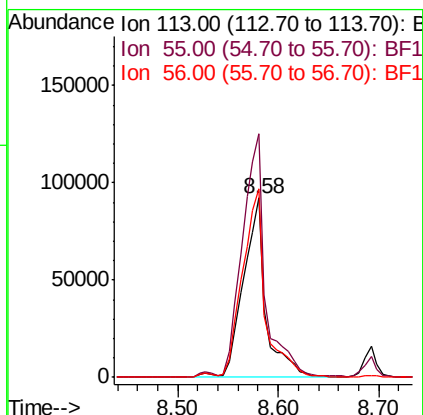
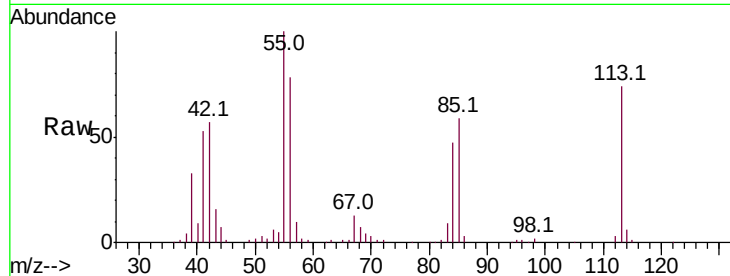
#35  
 Caprolactam  
 Concen: 39.509 ng/ml  
 RT: 8.58 min Scan# 1104  
 Delta R.T. 0.01 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 135.7 | 121.6 | 161.6 |       |
| 56      | 105.3 | 86.7  | 126.7 |       |

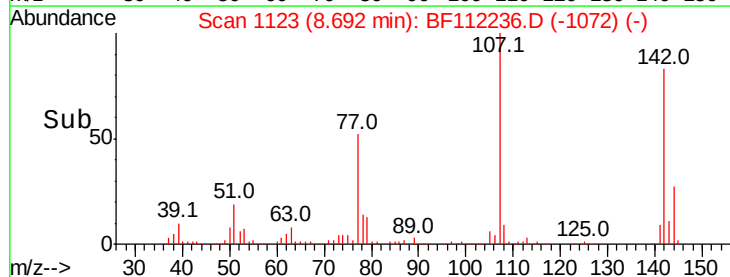
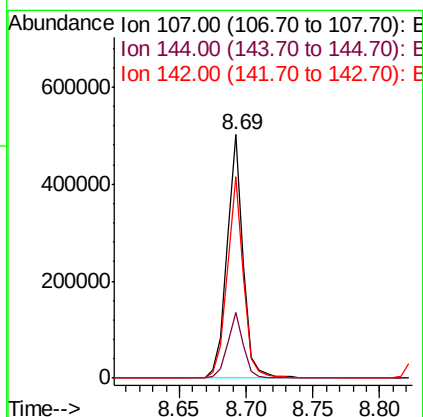
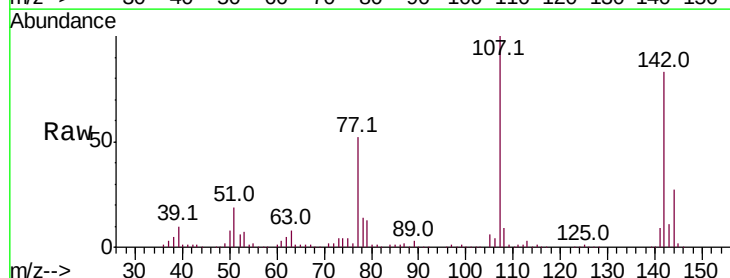
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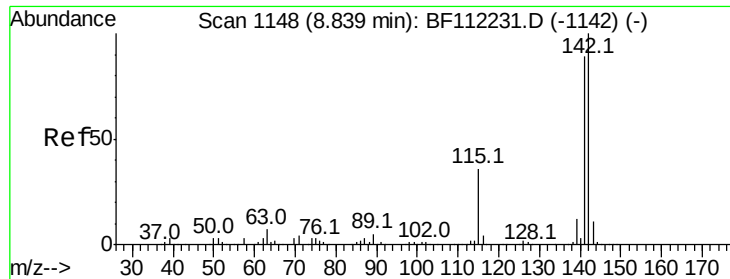
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 1/29/2019 12:31:29 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.058 ng/ml  
 RT: 8.69 min Scan# 1123  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 144     | 26.8 | 22.2  | 33.2  |       |
| 142     | 82.6 | 67.7  | 101.5 |       |





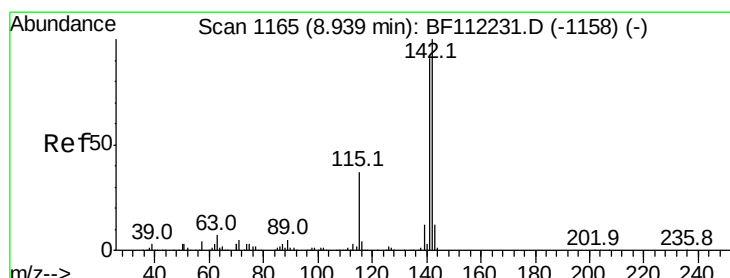
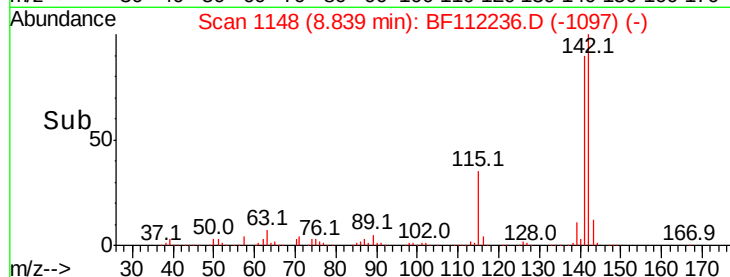
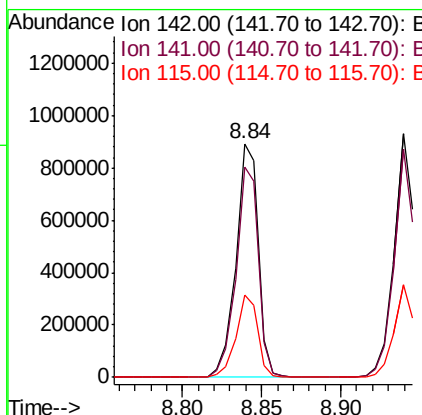
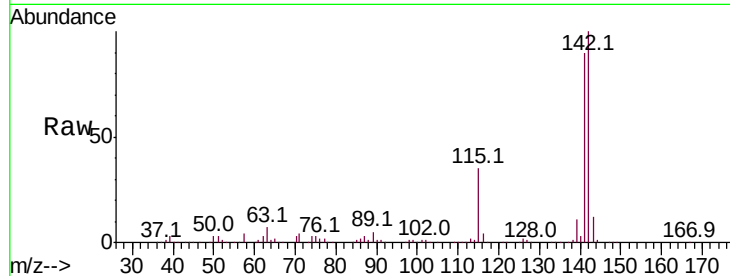
#37  
2-Methylnaphthalene  
Concen: 37.397 ng  
RT: 8.84 min Scan# 1148  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.8  | 70.9  | 106.3 |
| 115     | 35.4  | 24.9  | 37.3  |

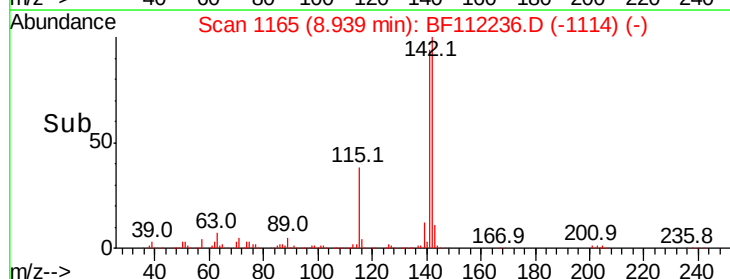
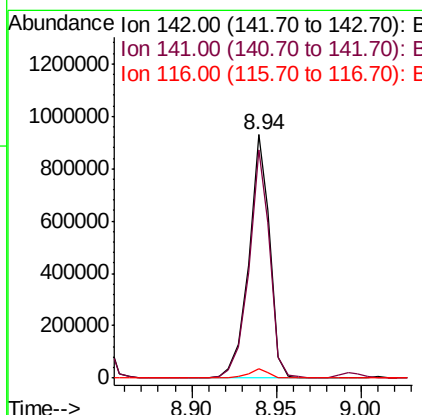
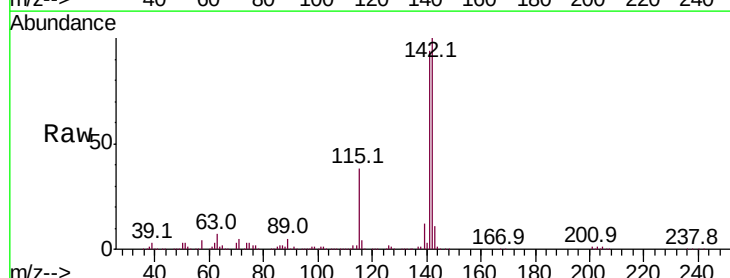
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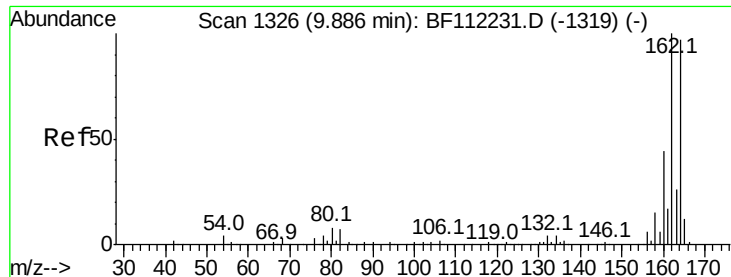
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 35.698 ng  
RT: 8.94 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.8  | 72.6  | 108.8 |
| 116     | 4.1   | 2.8   | 4.2   |





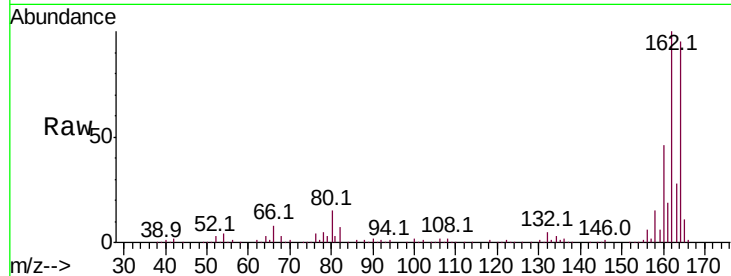
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 105.5 | 82.2 | 123.4 |       |
| 160     | 48.3  | 36.2 | 54.4  |       |

Manual Integrations  
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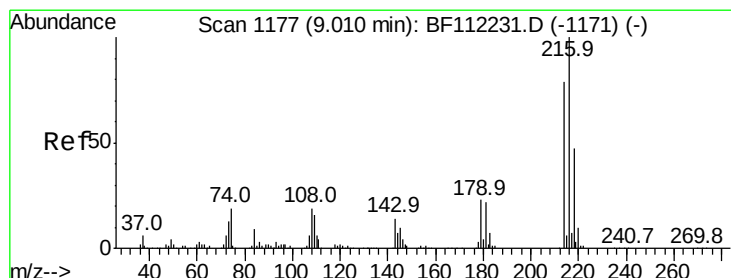
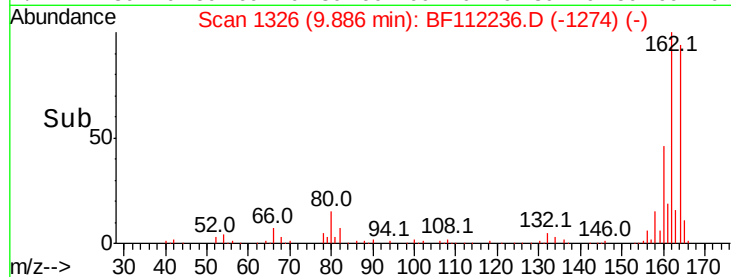
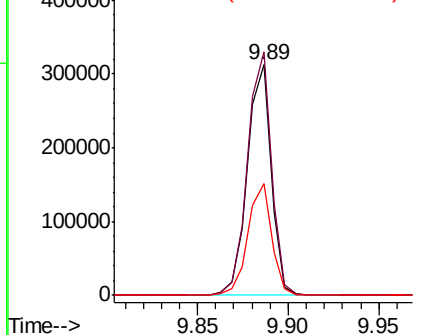


Abundance

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: 44.596 ng  
RT: 9.01 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.9  | 63.8 | 95.6  |       |
| 179     | 22.7  | 16.9 | 25.3  |       |
| 108     | 18.5  | 14.2 | 21.4  |       |

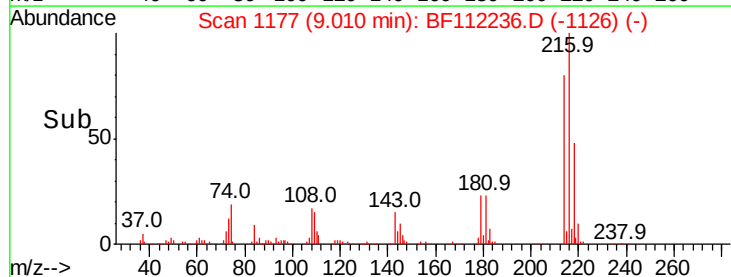
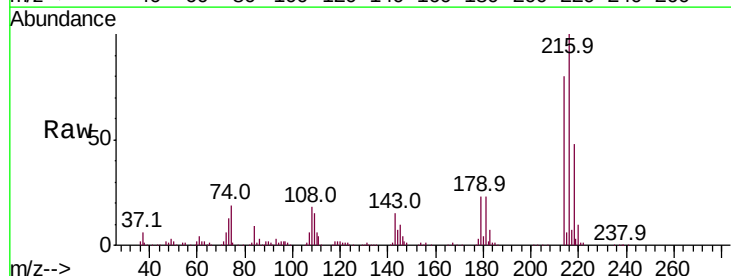
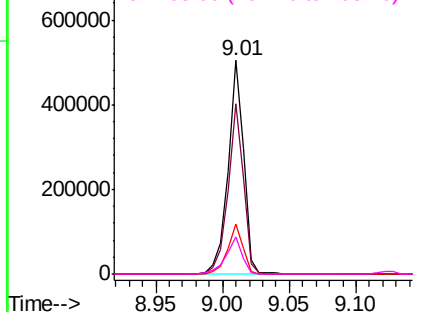
Abundance

Ion 216.00 (215.70 to 216.70): E

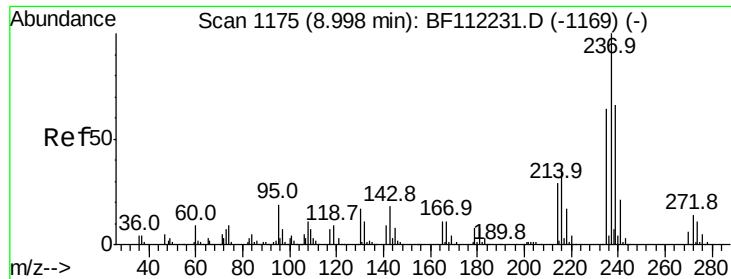
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







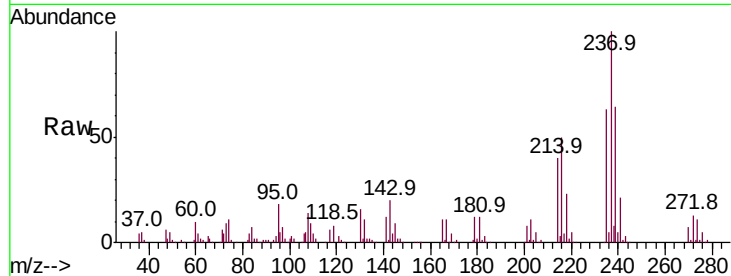
#41  
Hexachlorocyclopentadiene  
Concen: 42.193 ng  
RT: 9.00 min Scan# 1175  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

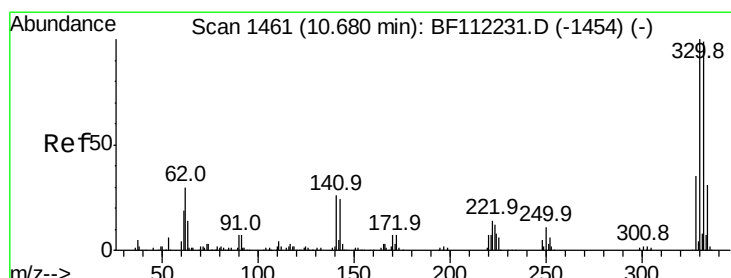
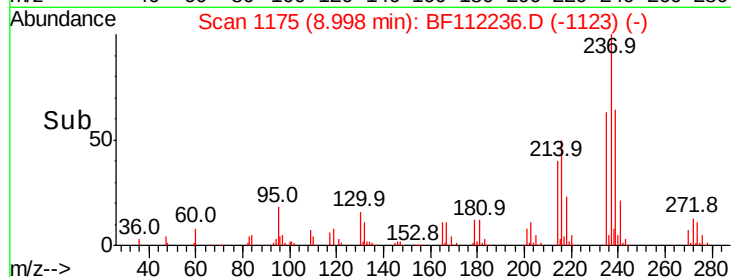
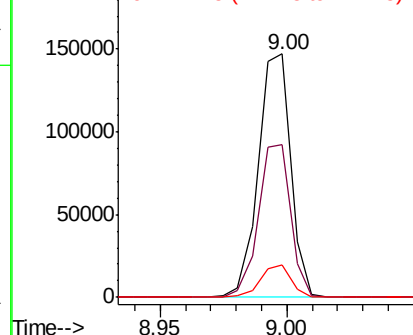
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 62.5  | 44.0 | 84.0  |       |
| 272     | 13.3  | 0.0  | 33.3  |       |

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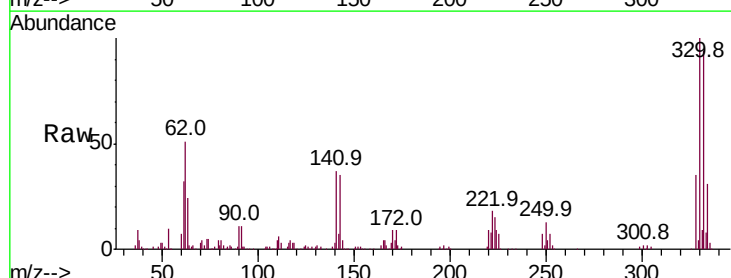


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

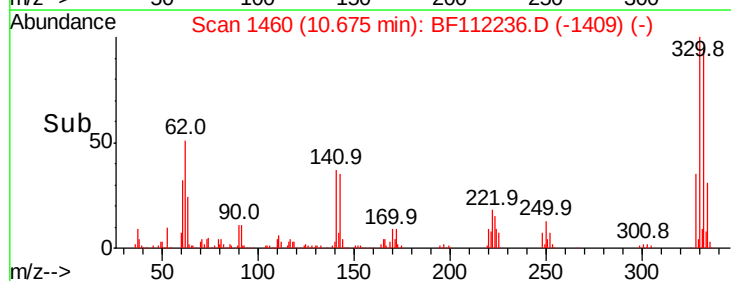
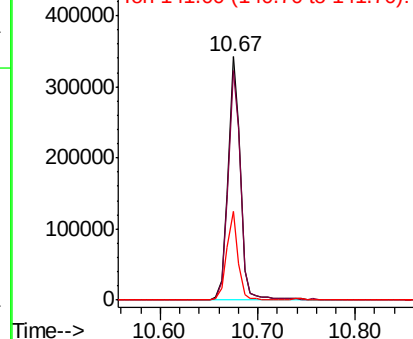


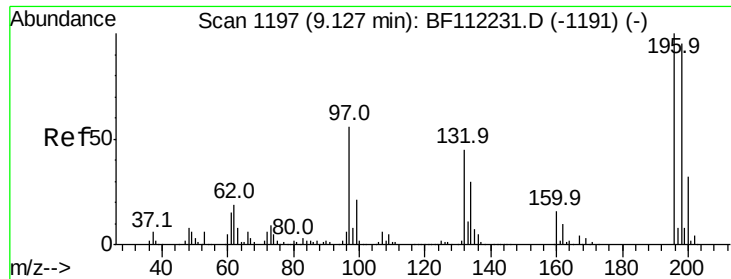
#42  
2,4,6-Tribromophenol  
Concen: 90.583 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.7  | 76.6 | 114.8 |       |
| 141     | 33.7  | 24.3 | 36.5  |       |



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





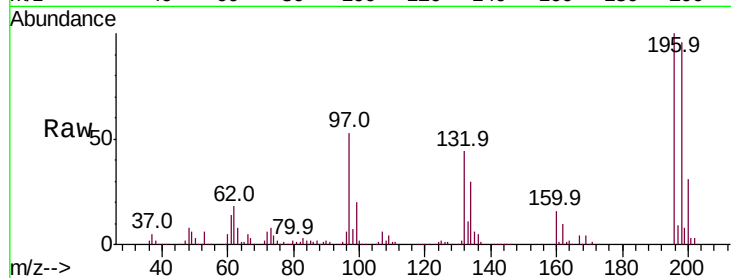
#43  
 2,4,6-Trichlorophenol  
 Concen: 45.186 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. 0.01 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 261477 |       |       |
| 198     | 96.0  | 76.2   | 114.4 |       |
| 200     | 30.7  | 24.3   | 36.5  |       |

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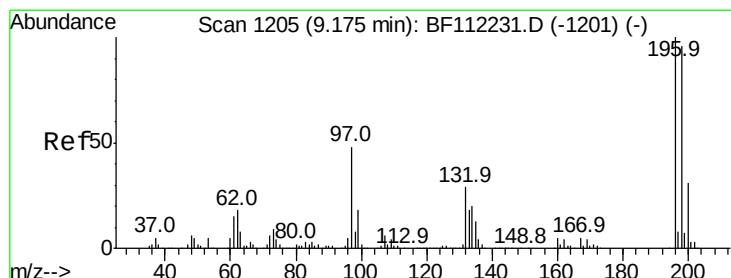
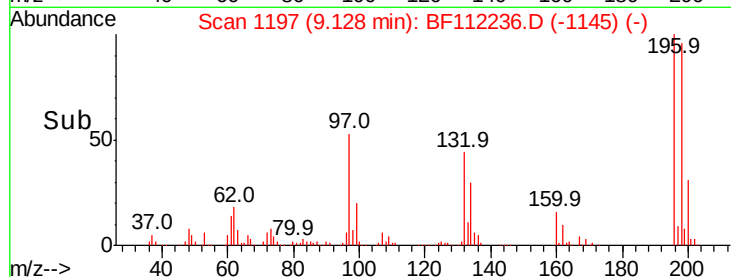
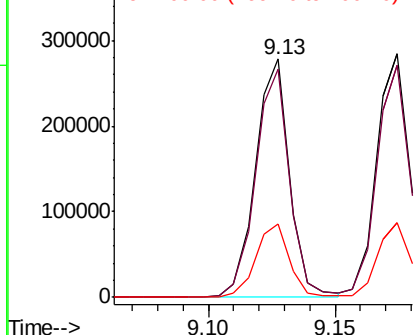


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 45.647 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 276065 |       |       |
| 198     | 95.1  | 76.0   | 114.0 |       |
| 97      | 47.2  | 36.4   | 54.6  |       |
| 132     | 27.9  | 21.5   | 32.3  |       |

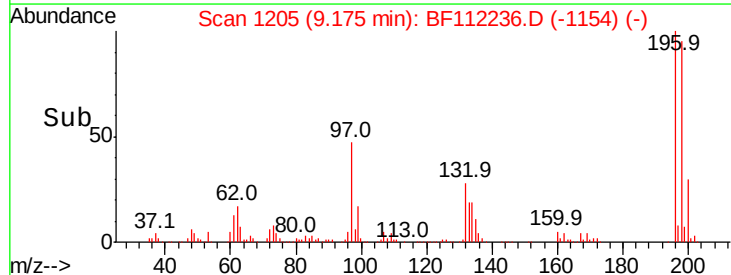
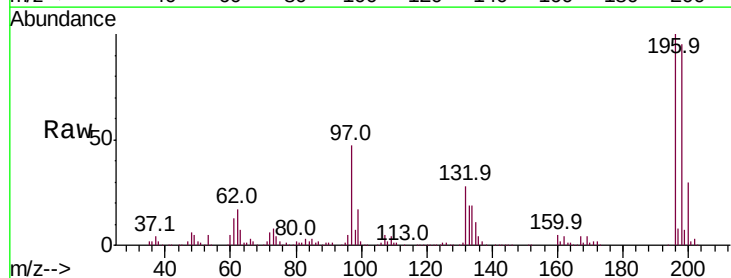
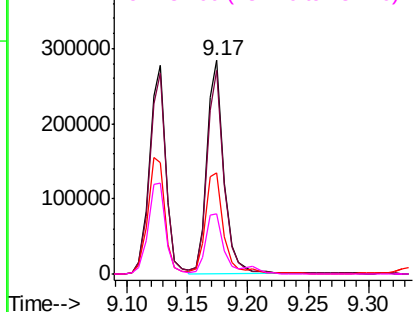
Abundance

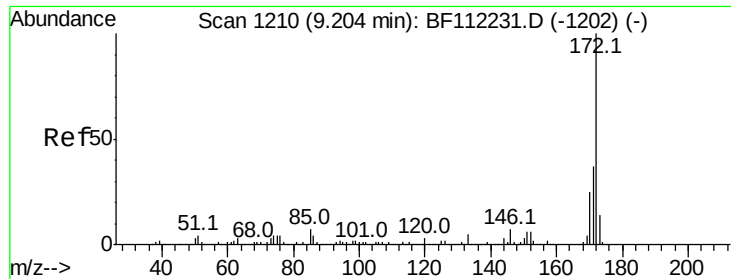
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 86.738 ng

RT: 9.20 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF012519

Tot Ion:172 Resp: 1753480

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

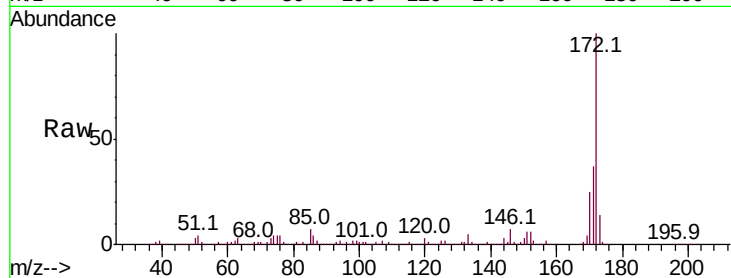
170 24.6 20.2 30.4

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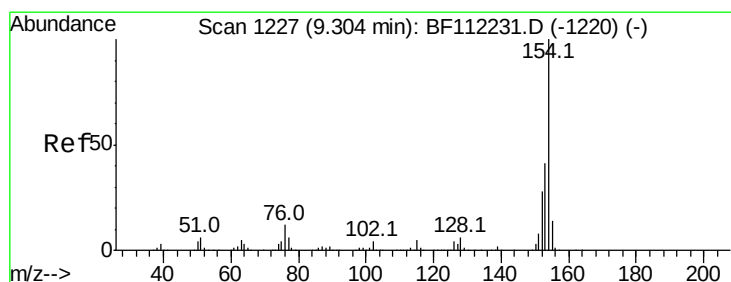
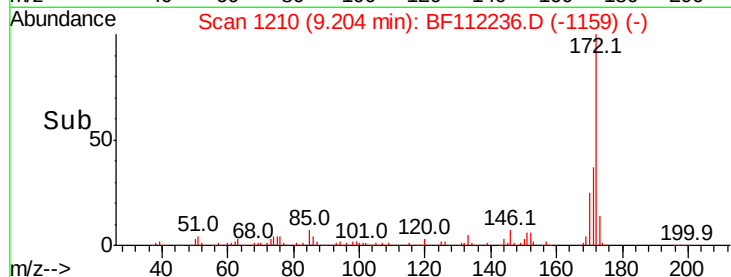
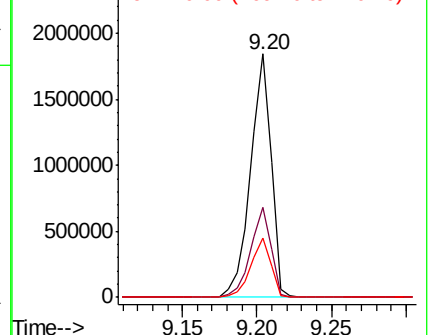
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 43.831 ng

RT: 9.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

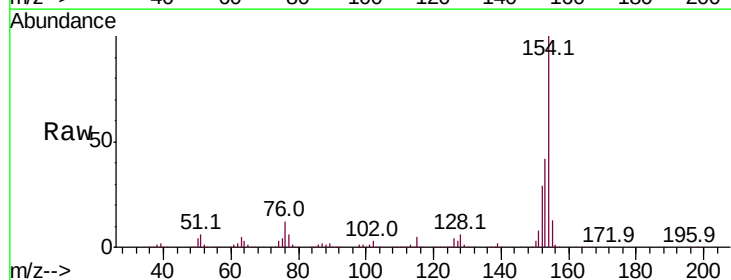
Tgt Ion:154 Resp: 1095597

Ion Ratio Lower Upper

154 100

153 41.8 21.5 61.5

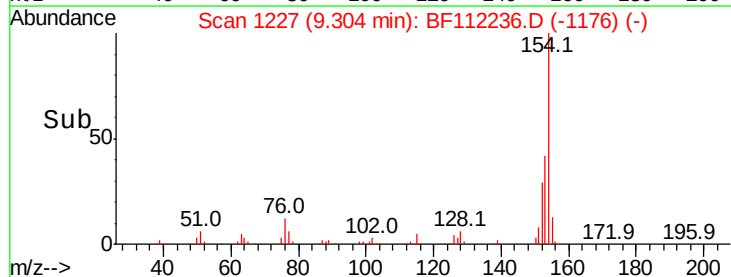
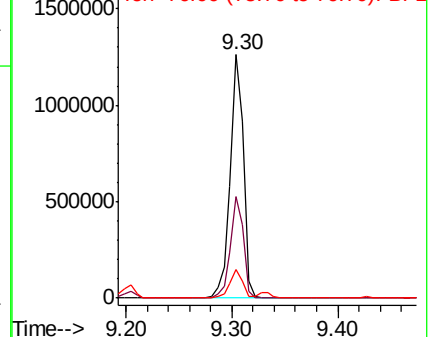
76 11.9 0.0 33.1

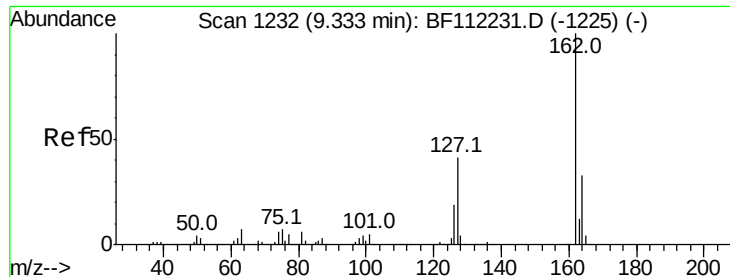


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





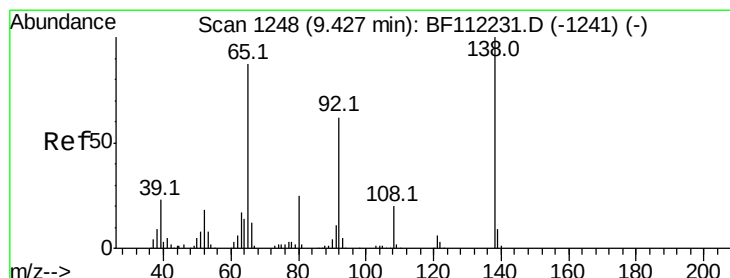
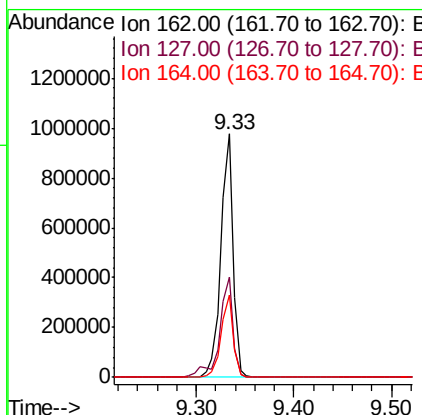
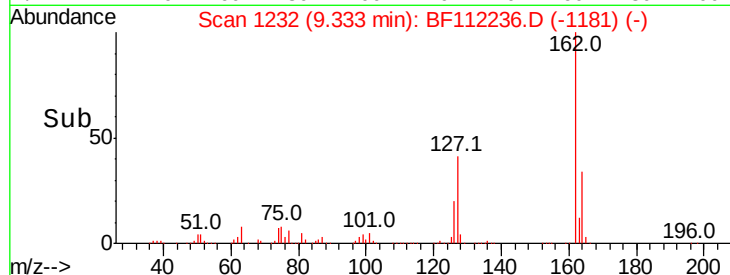
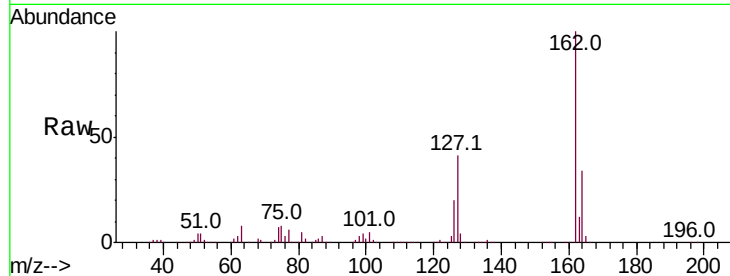
#47  
2-Chloronaphthalene  
Concen: 43.957 ng  
RT: 9.33 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 852057 |       |       |
| 127     | 41.1  |        | 30.4  | 45.6  |
| 164     | 33.6  |        | 27.4  | 41.2  |

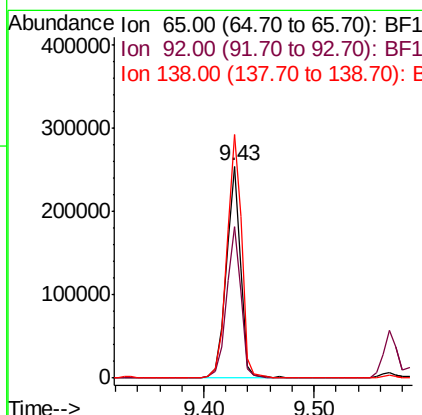
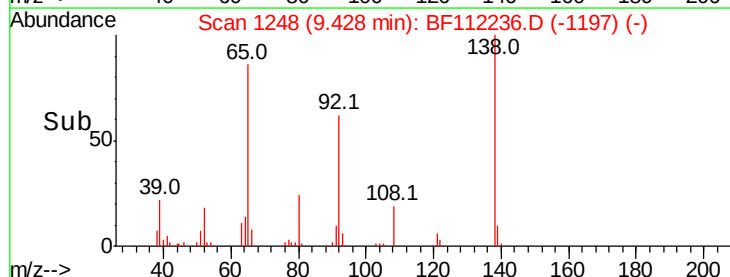
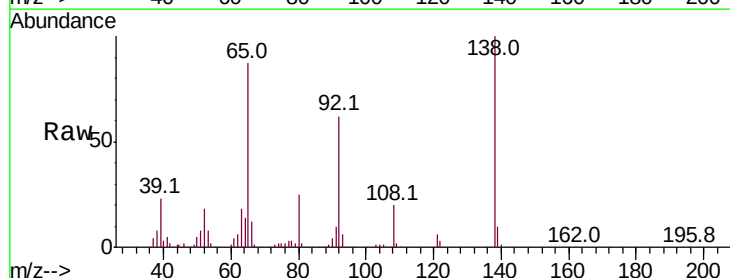
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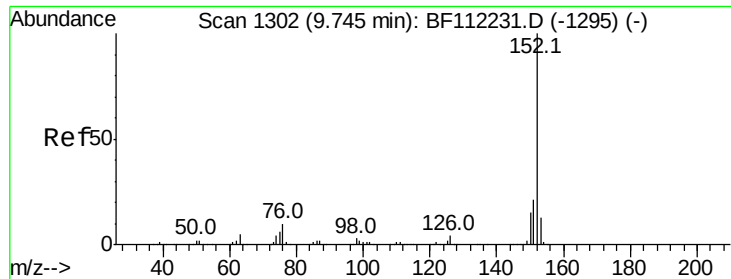
mohammad  
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#48  
2-Nitroaniline  
Concen: 43.623 ng  
RT: 9.43 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 230469 |       |       |
| 92      | 71.2  |        | 60.4  | 90.6  |
| 138     | 114.8 |        | 104.4 | 156.6 |





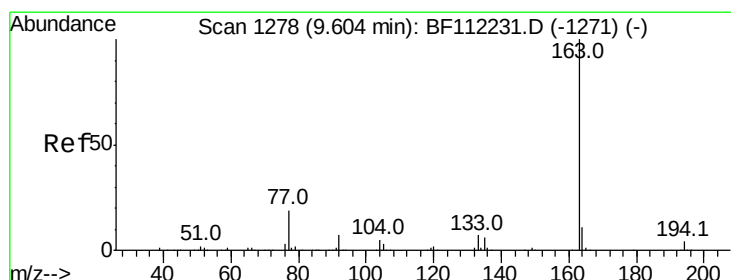
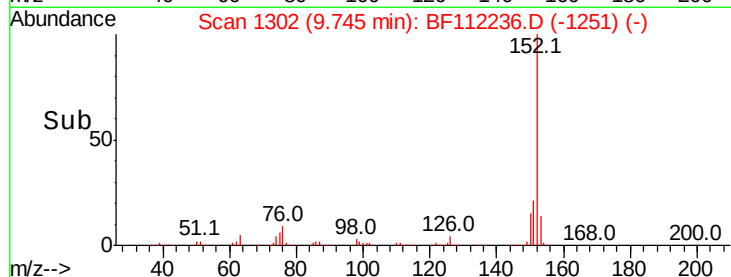
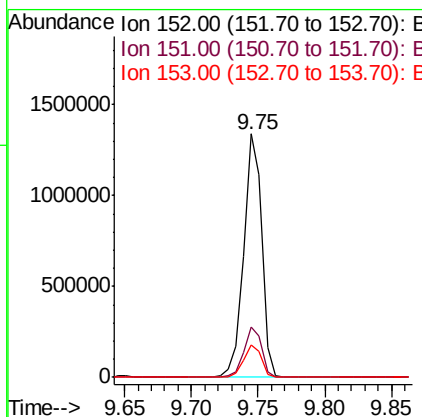
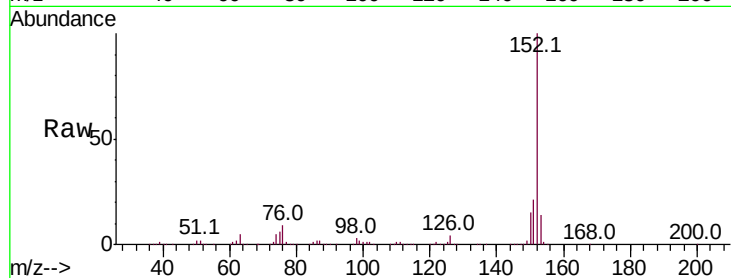
#49  
Acenaphthylene  
Concen: 43.885 ng  
RT: 9.75 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.9  | 17.0  | 25.6  |
| 153     | 13.5  | 11.2  | 16.8  |

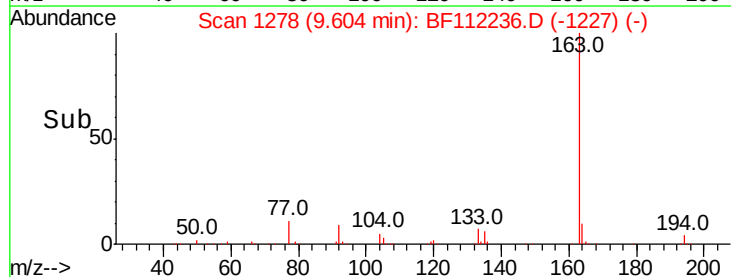
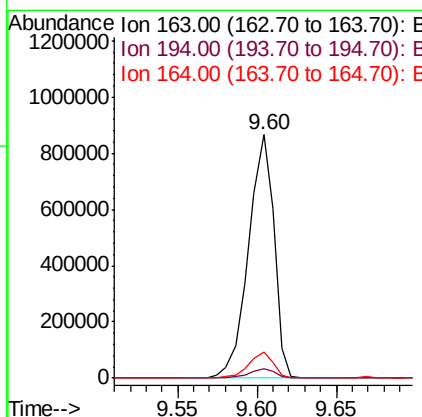
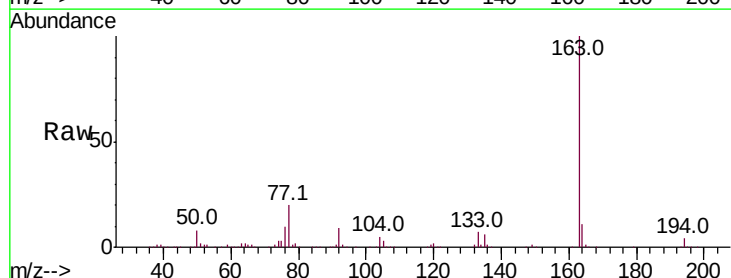
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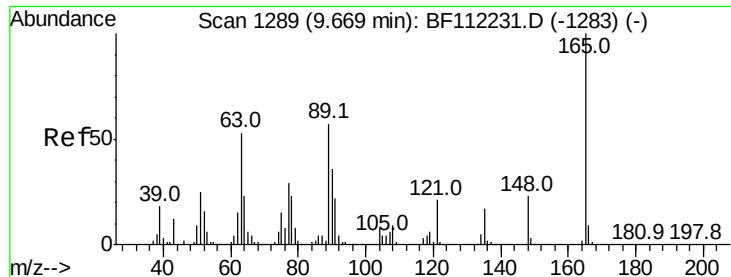
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#50  
Dimethylphthalate  
Concen: 43.561 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.3   | 4.9   |
| 164     | 10.6  | 8.5   | 12.7  |





#51

2,6-Dinitrotoluene

Concen: 44.101 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF012519

Tot Ion:165 Resp: 219410  
Ion Ratio Lower Upper

165 100

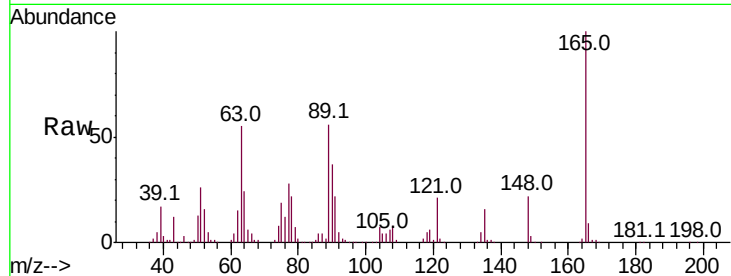
63 54.5 33.8 50.8#

89 55.9 36.9 55.3#

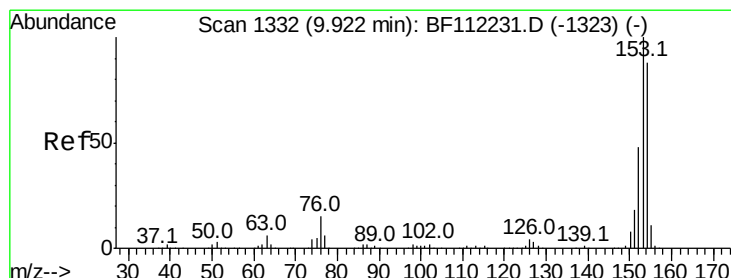
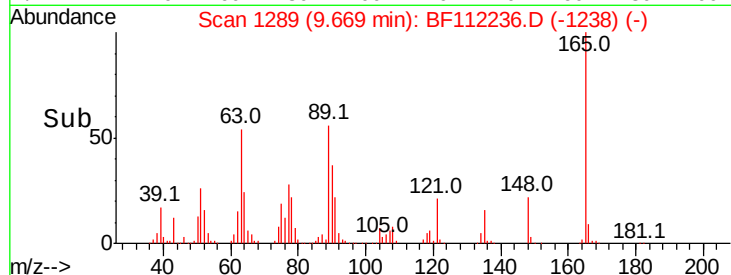
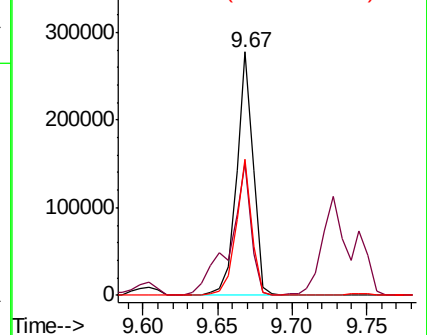
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Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.523 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF112236.D

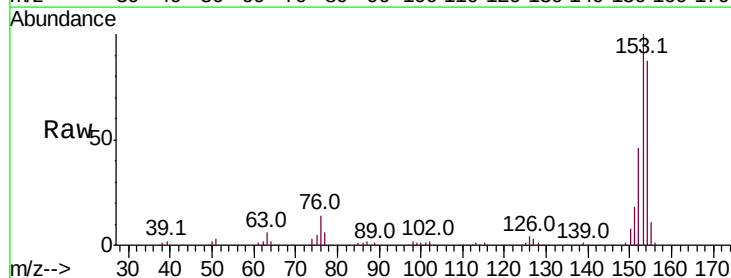
Acq: 25 Jan 2019 16:45

Tgt Ion:154 Resp: 670780  
Ion Ratio Lower Upper

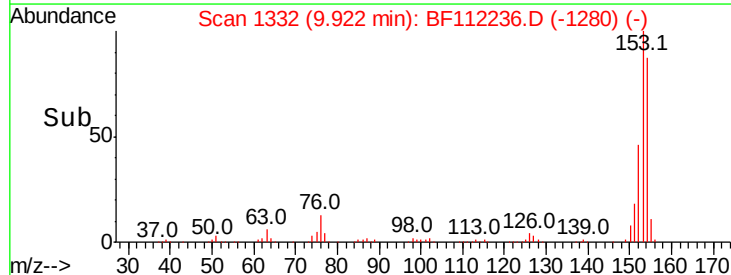
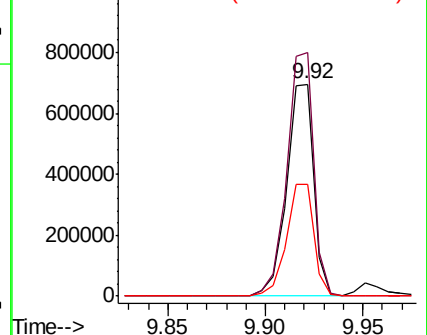
154 100

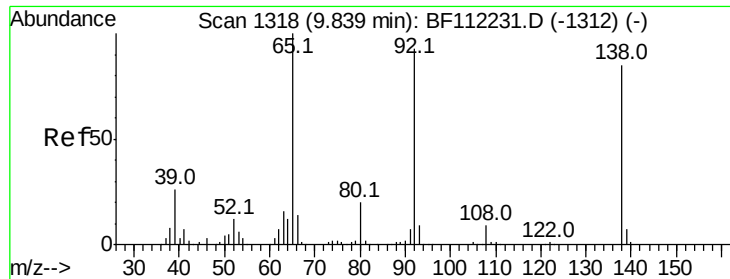
153 114.8 89.8 134.6

152 52.7 43.5 65.3



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





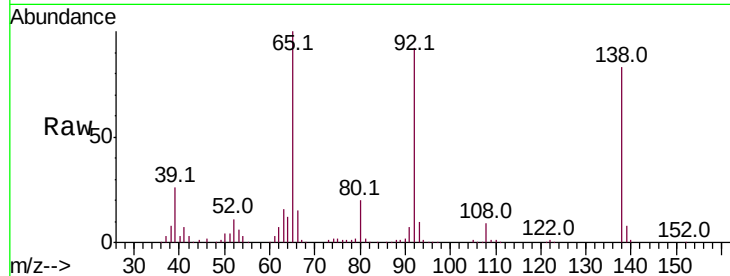
#53  
3-Nitroaniline  
Concen: 44.761 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

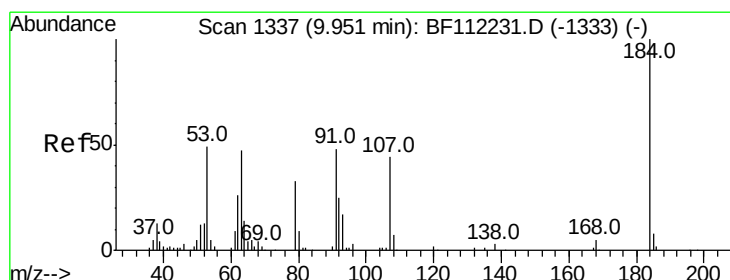
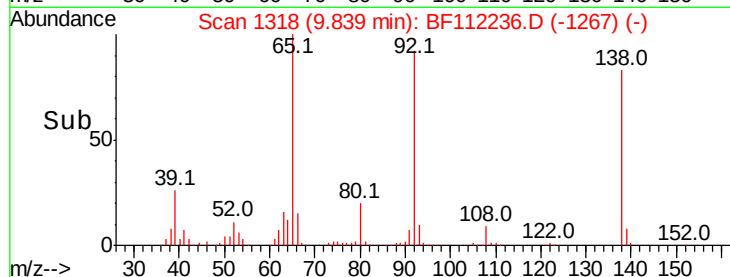
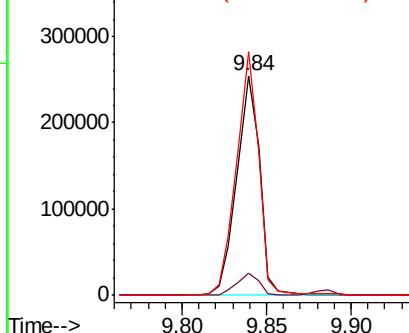
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 9.8   | 14.6  |
| 92      | 110.8 | 79.4  | 119.2 |

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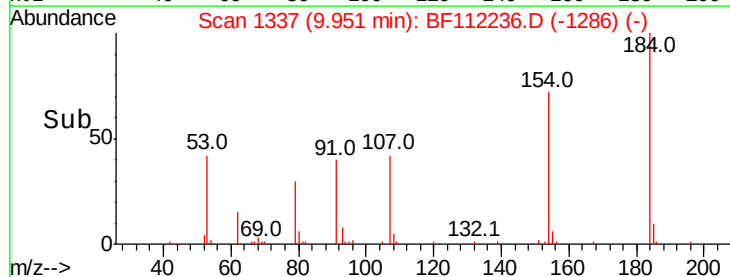
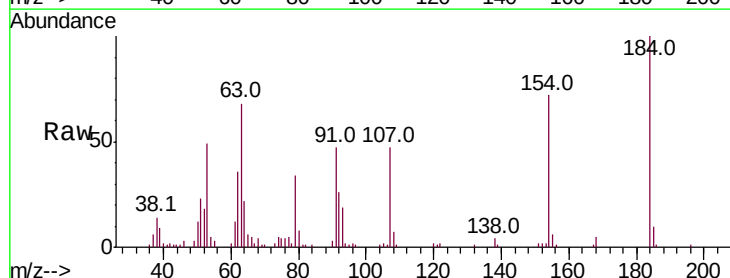
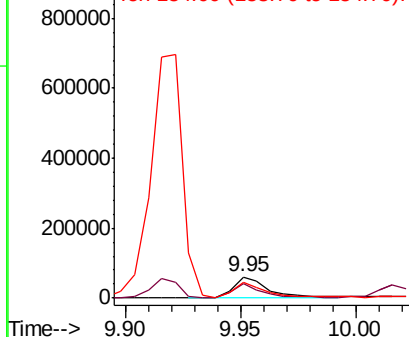
Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

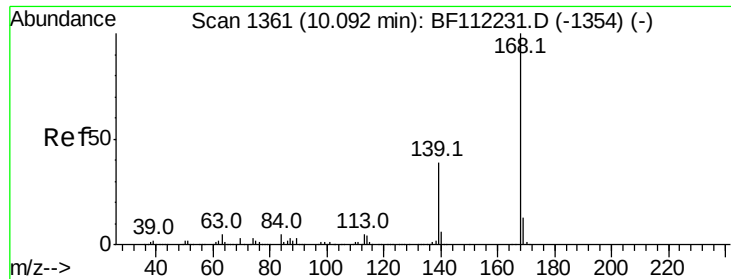


#54  
2,4-Dinitrophenol  
Concen: 40.400 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 67.8  | 47.1  | 70.7  |
| 154     | 72.3  | 48.9  | 73.3  |

Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E





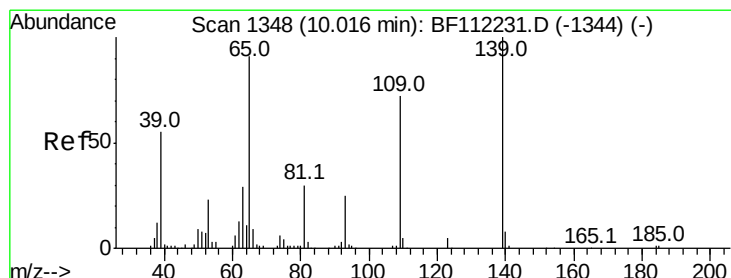
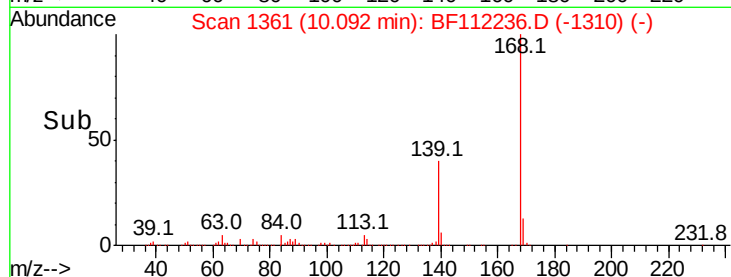
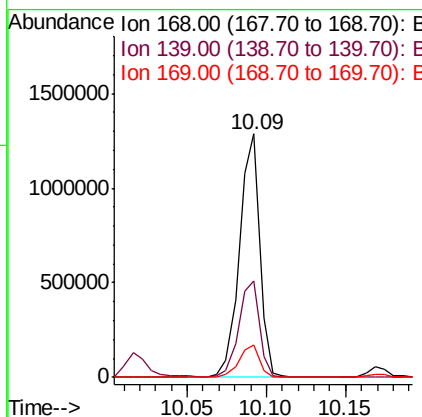
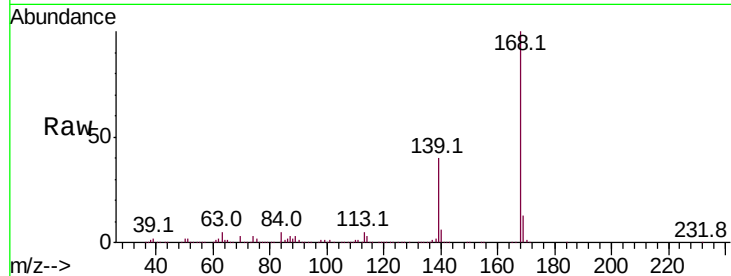
#55  
Dibenzofuran  
Concen: 44.102 ng  
RT: 10.09 min Scan# 1361  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.5  | 29.2  | 43.8  |
| 169     | 13.3  | 11.4  | 17.0  |

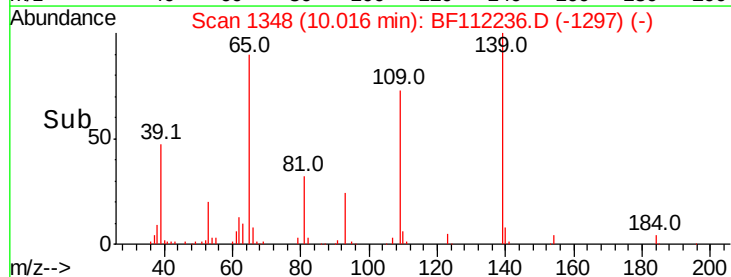
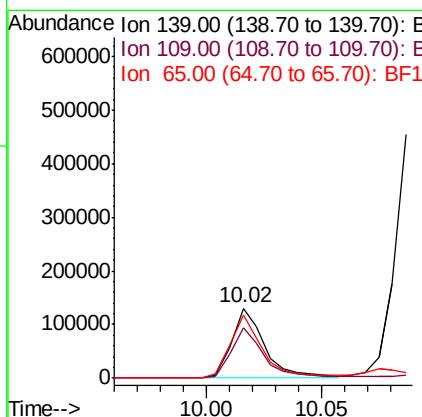
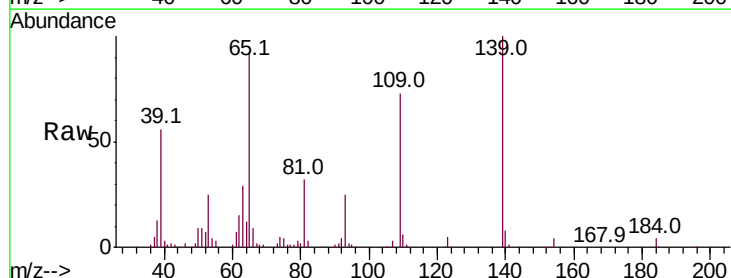
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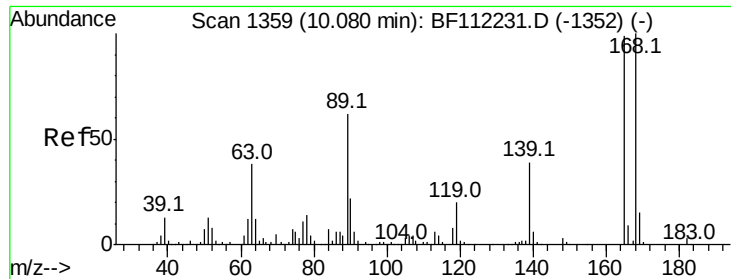


#56  
4-Nitrophenol  
Concen: 45.888 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 73.0  | 42.8  | 82.8  |
| 65      | 91.6  | 66.1  | 106.1 |







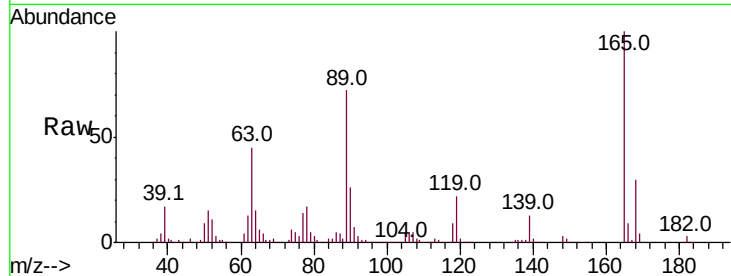
#57  
2,4-Dinitrotoluene  
Concen: 45.677 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

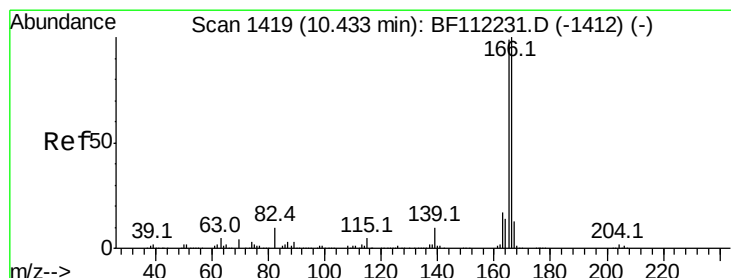
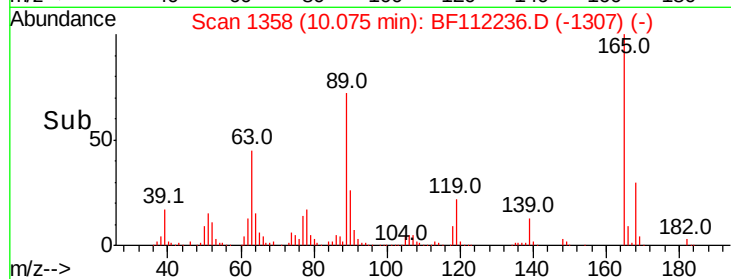
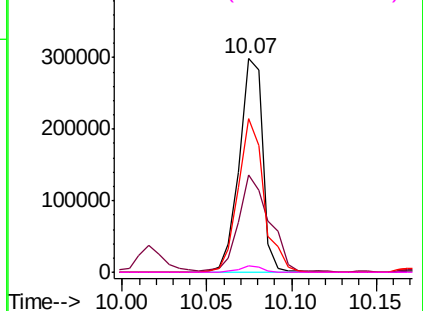
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 289307 |       |       |
| 63      | 45.3  | 27.9   | 41.9# |       |
| 89      | 71.8  | 47.9   | 71.9  |       |
| 182     | 2.7   | 2.2    | 3.4   |       |

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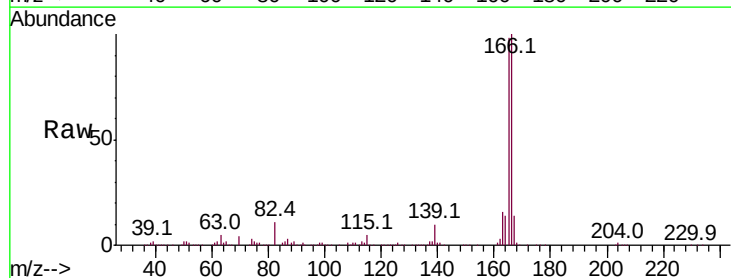


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

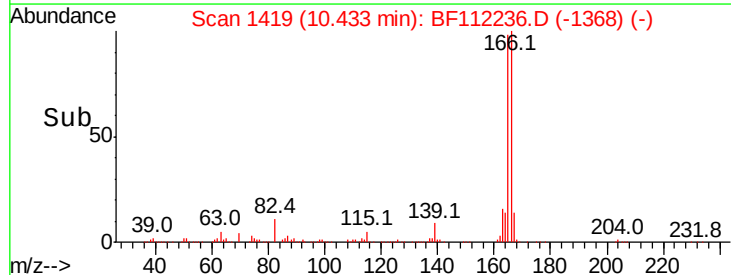
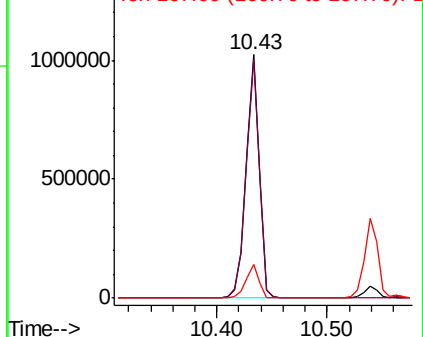


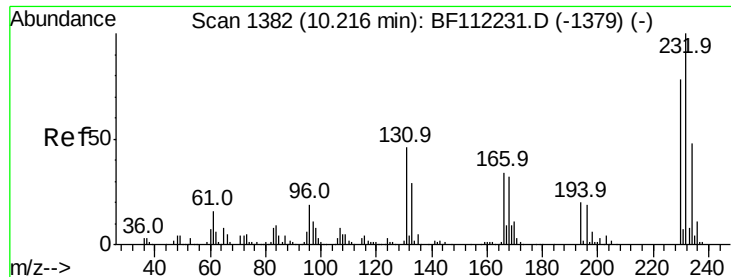
#58  
Fluorene  
Concen: 44.176 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 857373 |       |       |
| 165     | 97.8  | 77.1   | 115.7 |       |
| 167     | 13.8  | 11.3   | 16.9  |       |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





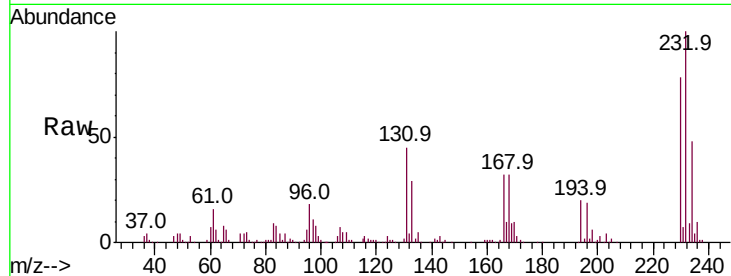
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.673 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 208741 |       |       |
| 131     | 48.4  |        | 33.9  | 50.9  |
| 130     | 2.5   |        | 1.8   | 2.6   |
| 166     | 31.7  |        | 23.6  | 35.4  |

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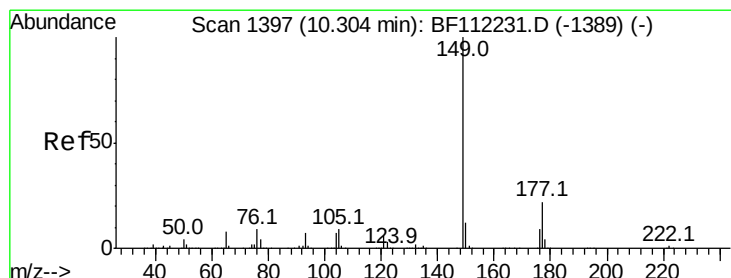
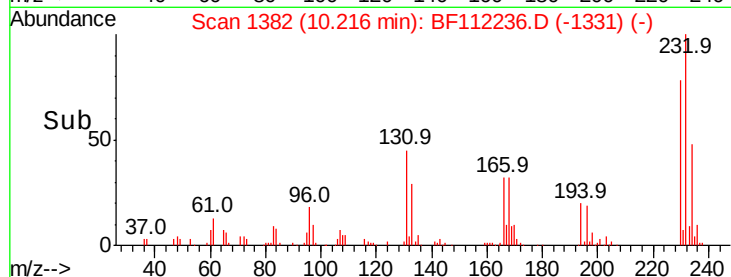
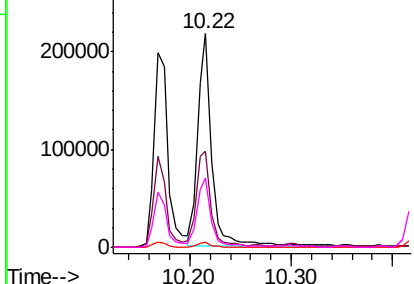
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

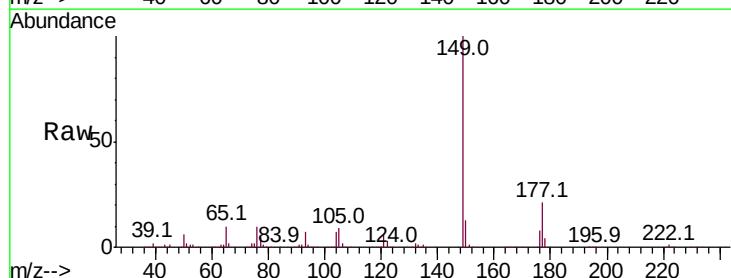
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 44.609 ng  
RT: 10.30 min Scan# 1396  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 983412 |       |       |
| 177     | 21.1  |        | 18.2  | 27.2  |
| 150     | 12.7  |        | 10.4  | 15.6  |

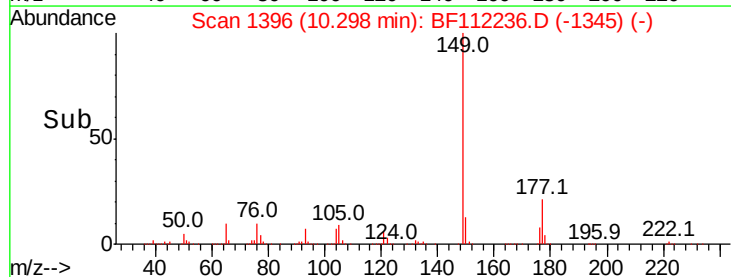
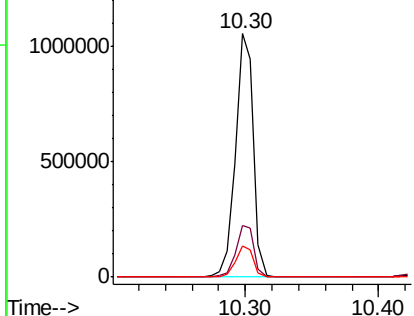


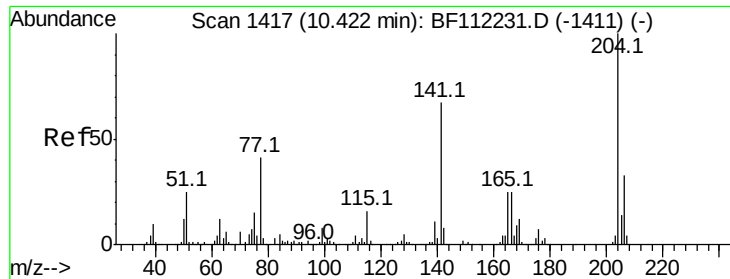
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





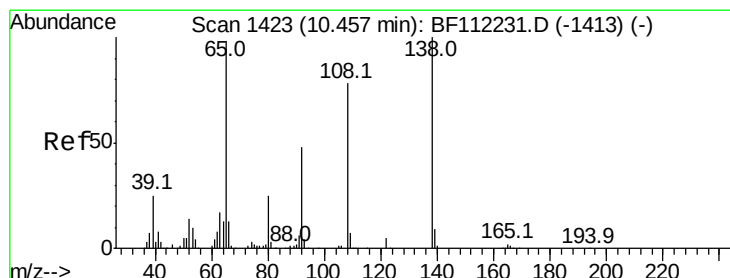
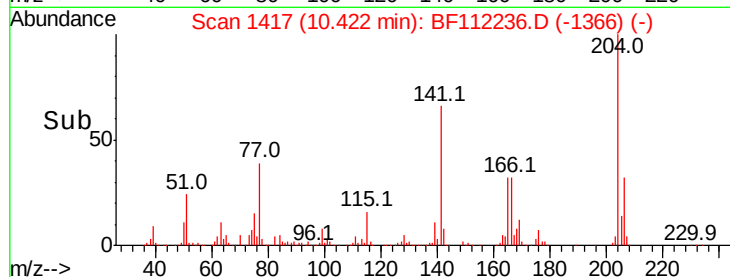
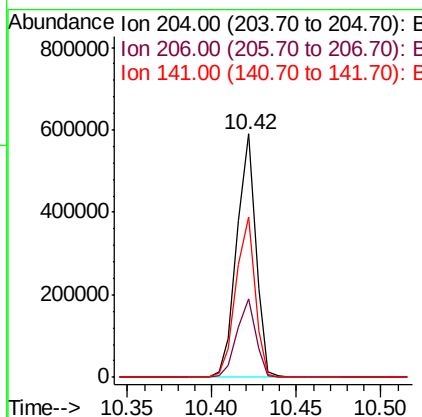
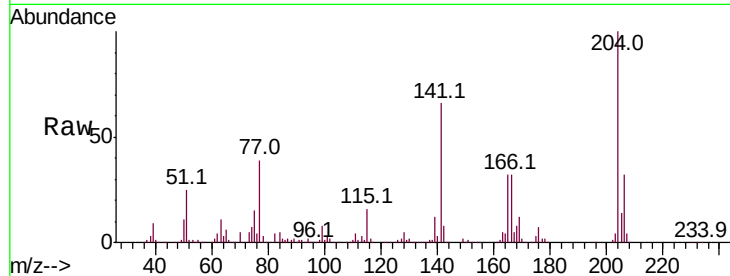
#61  
 4-Chlorophenyl-phenylether  
 Concen: 43.854 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 462985 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.0  | 26.5  | 39.7   |
| 141       | 65.7  | 45.9  | 68.9   |

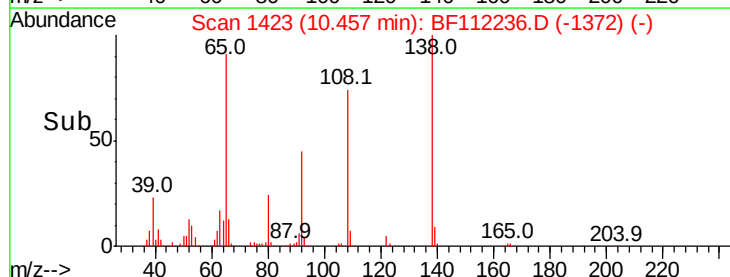
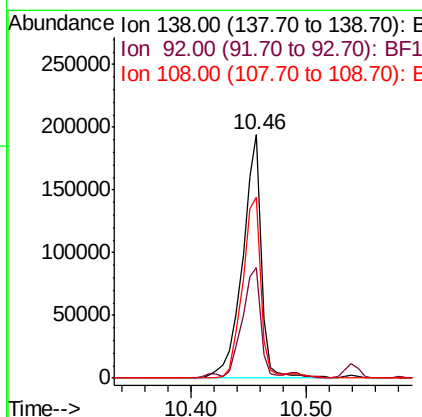
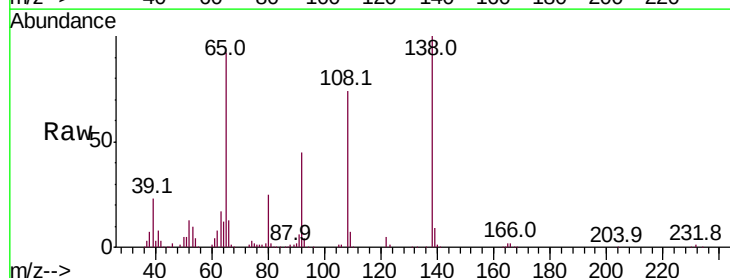
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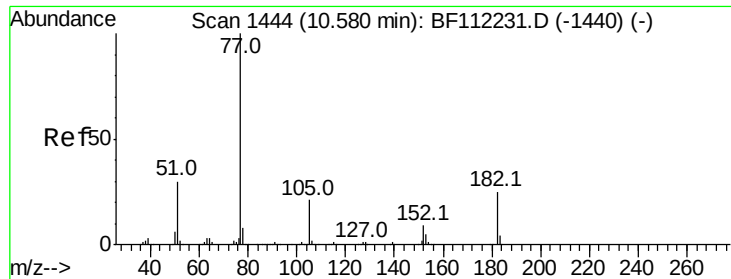
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#62  
 4-Nitroaniline  
 Concen: 41.371 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 218722 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 45.3  | 30.6  | 70.6   |
| 108       | 74.5  | 50.0  | 90.0   |





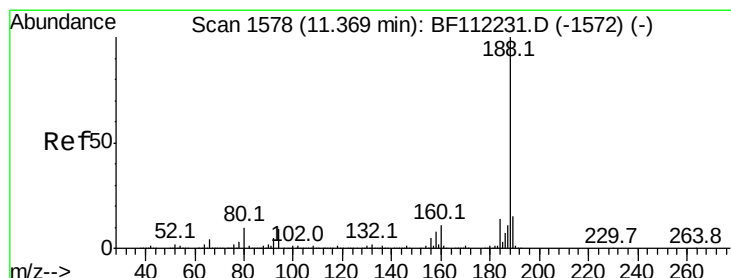
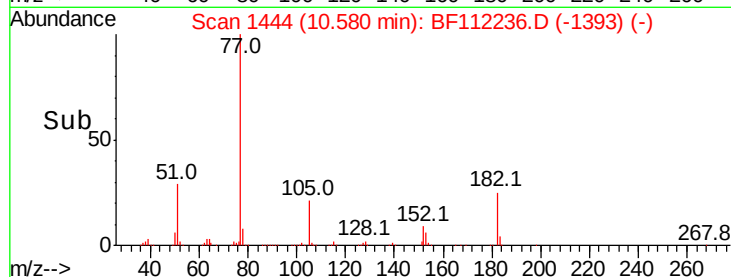
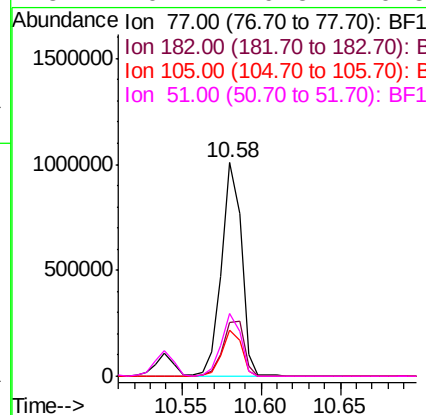
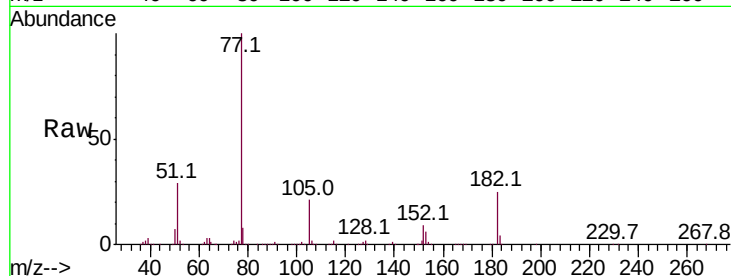
#63  
Azobenzene  
Concen: 45.489 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 25.4  | 5.7  | 45.7  |       |
| 105     | 21.4  | 1.4  | 41.4  |       |
| 51      | 29.4  | 9.5  | 49.5  |       |

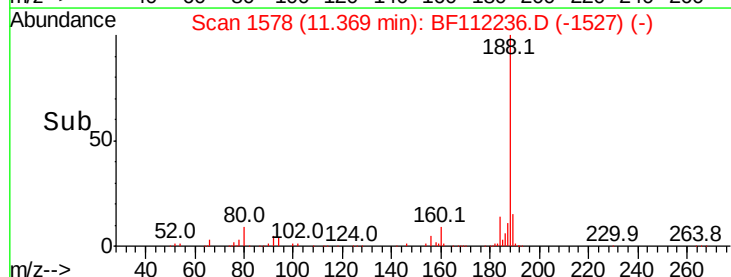
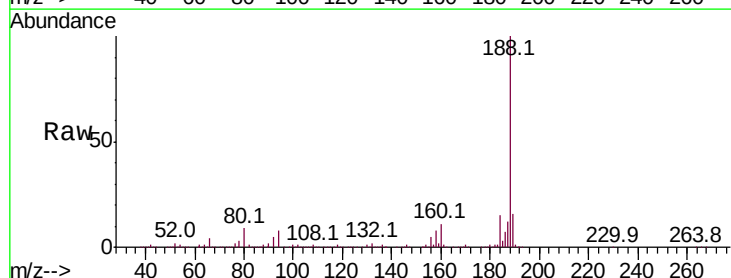
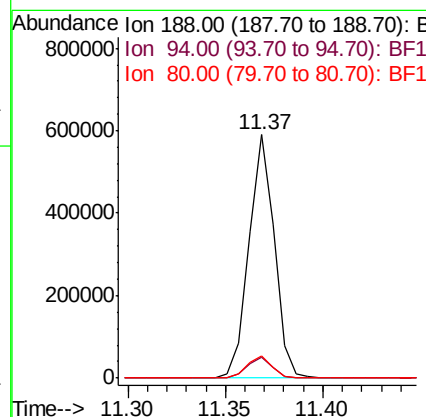
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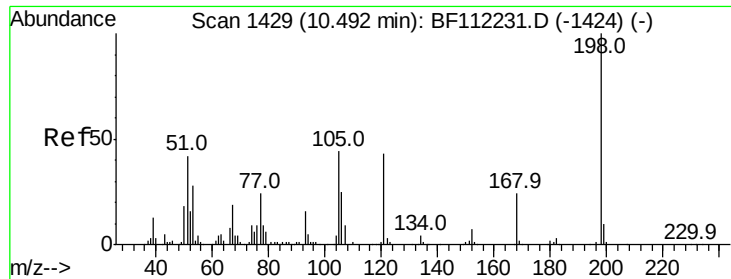
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 8.5   | 8.2  | 12.2  |       |
| 80      | 9.2   | 8.9  | 13.3  |       |





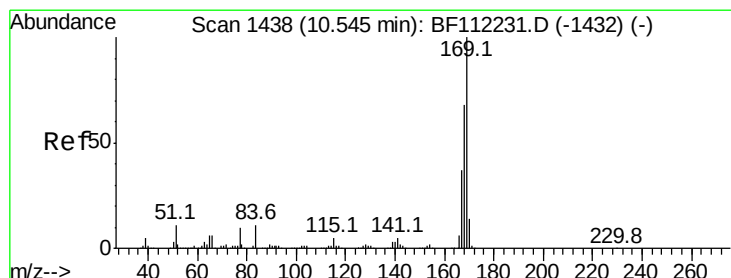
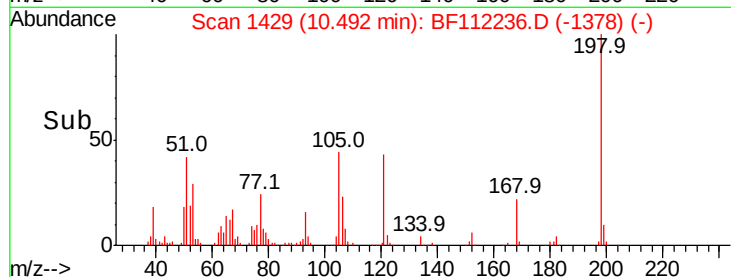
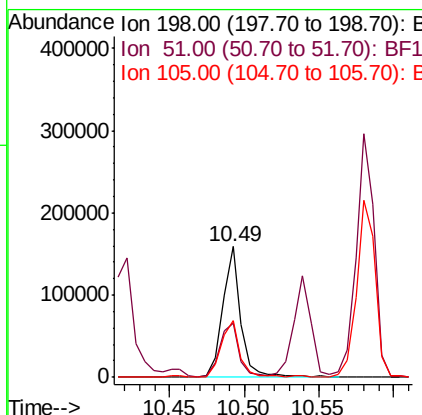
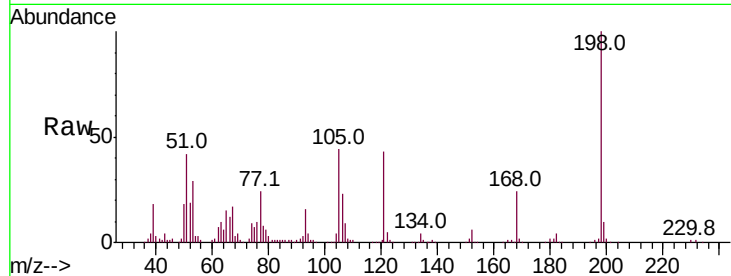
#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.769 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 41.8  | 17.2  | 57.2  |
| 105     | 43.9  | 21.9  | 61.9  |

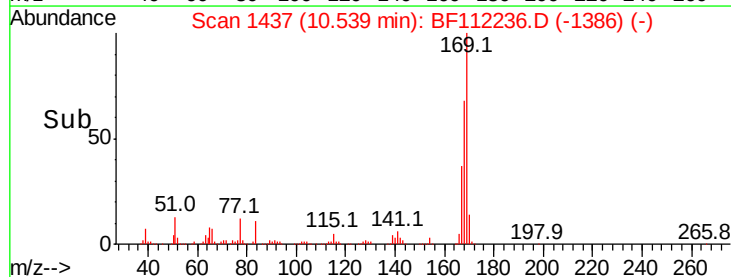
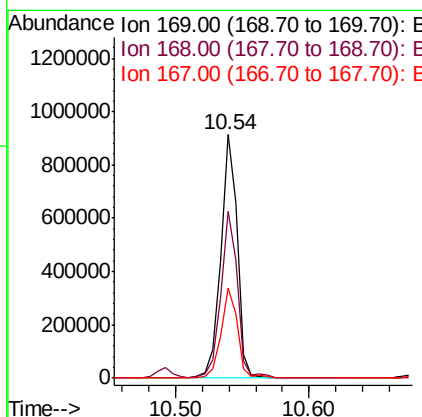
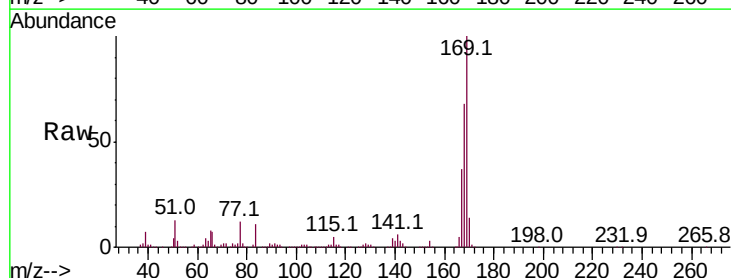
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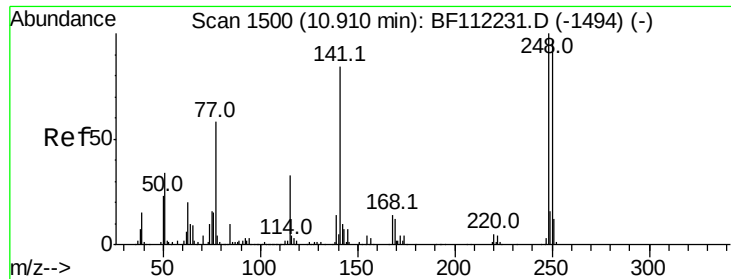
mohammad  
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#66  
n-Nitrosodiphenylamine  
Concen: 44.186 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.4  | 53.9  | 80.9  |
| 167     | 36.7  | 28.9  | 43.3  |





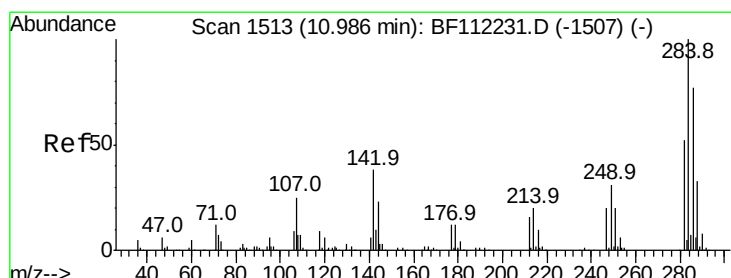
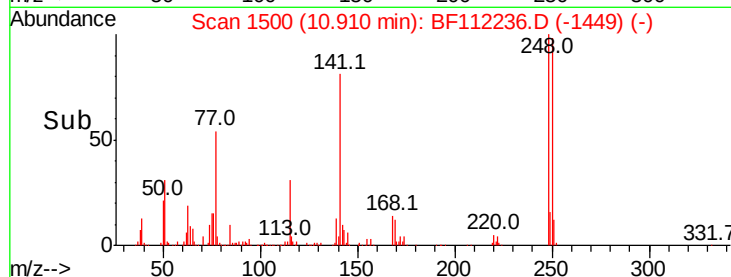
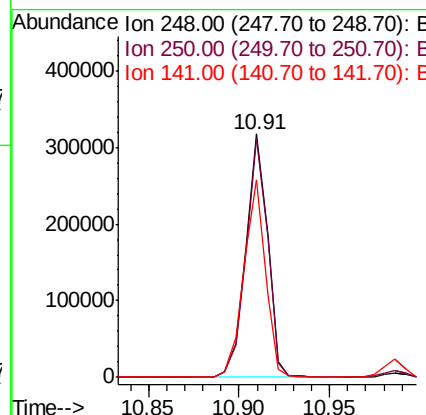
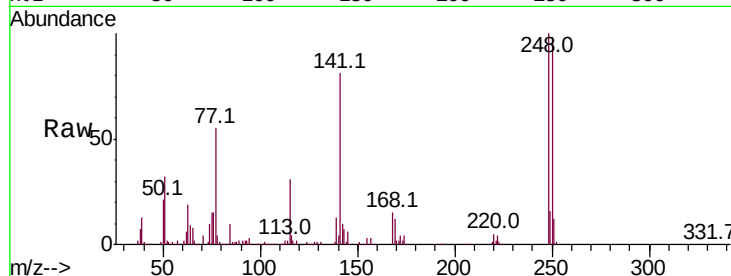
#67  
4-Bromophenyl-phenylether  
Concen: 42.455 ng  
RT: 10.91 min Scan# 1500  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.0  | 79.7  | 119.5 |
| 141     | 81.0  | 60.3  | 90.5  |

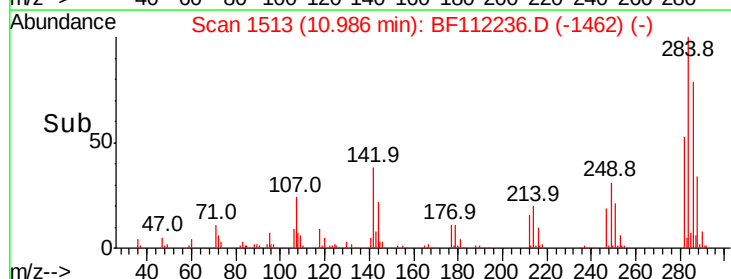
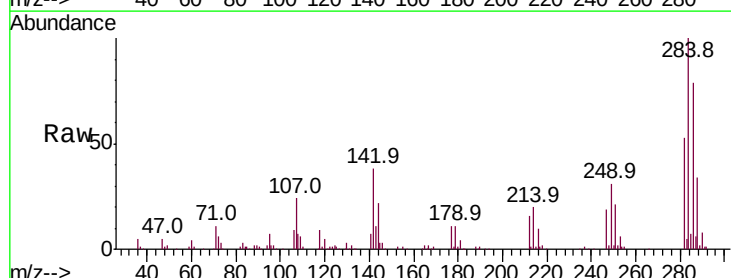
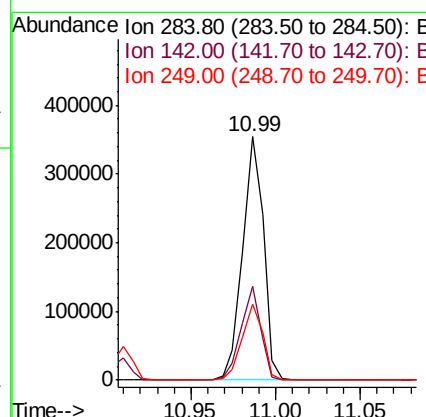
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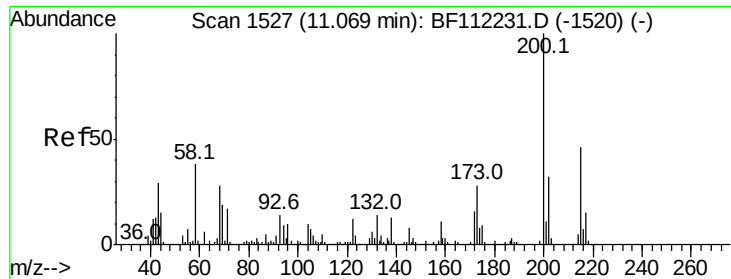
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#68  
Hexachlorobenzene  
Concen: 45.340 ng  
RT: 10.99 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.4  | 27.6  | 41.4  |
| 249     | 31.4  | 24.1  | 36.1  |





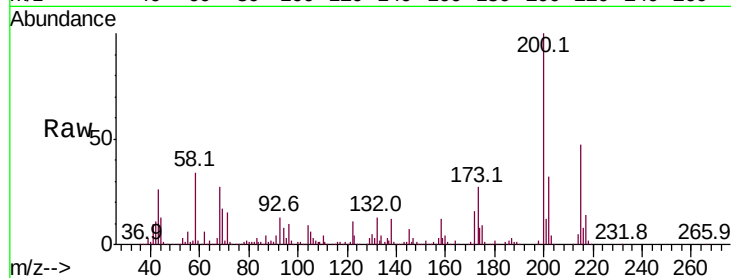
#69  
Atrazine  
Concen: 46.854 ng  
RT: 11.07 min Scan# 1527  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 271554 |       |       |
| 173     | 27.2  | 7.1    | 47.1  |       |
| 215     | 47.3  | 30.4   | 70.4  |       |

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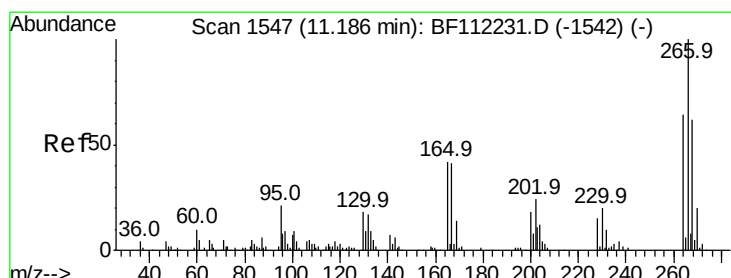
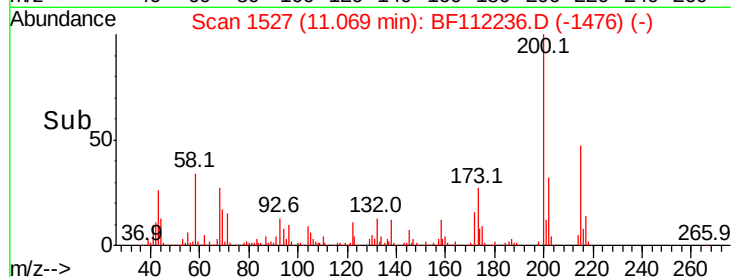
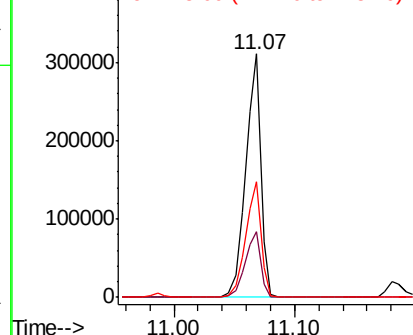


Abundance

Ion 200.00 (199.70 to 200.70): E

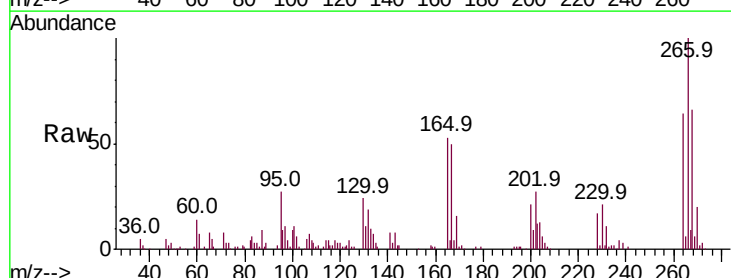
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
Pentachlorophenol  
Concen: 47.430 ng  
RT: 11.18 min Scan# 1546  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 124114 |       |       |
| 268     | 65.7  | 51.2   | 76.8  |       |
| 264     | 63.9  | 50.9   | 76.3  |       |

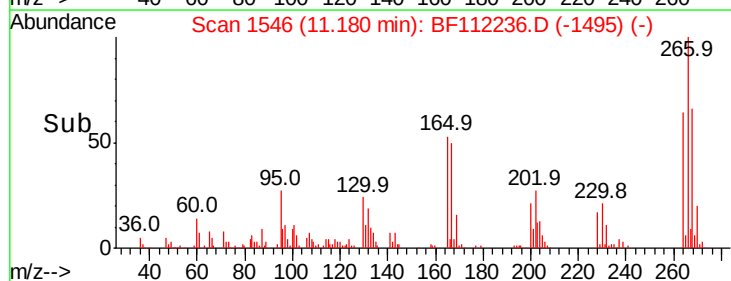
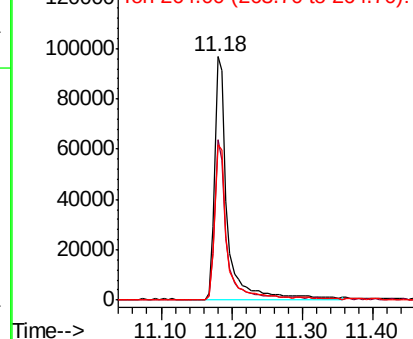


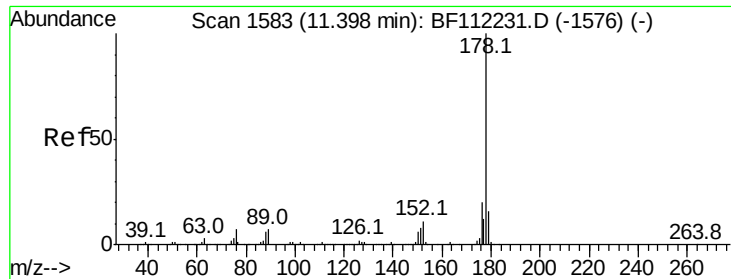
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





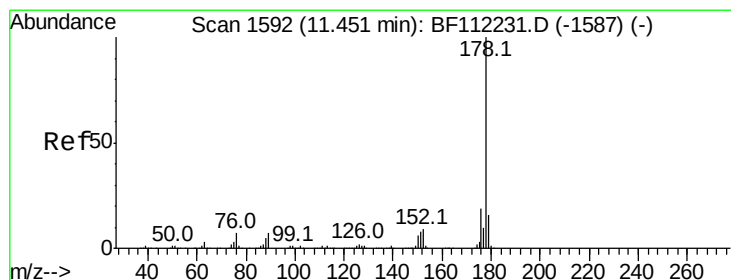
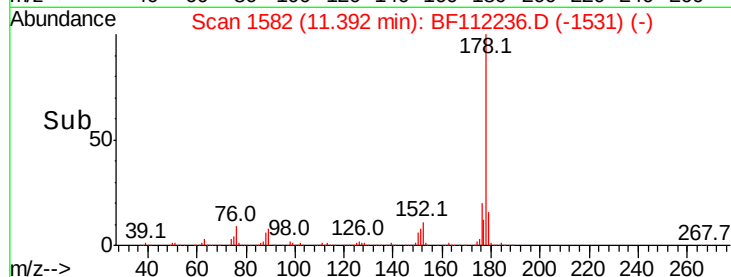
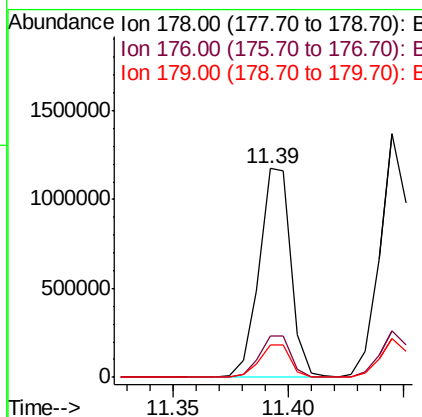
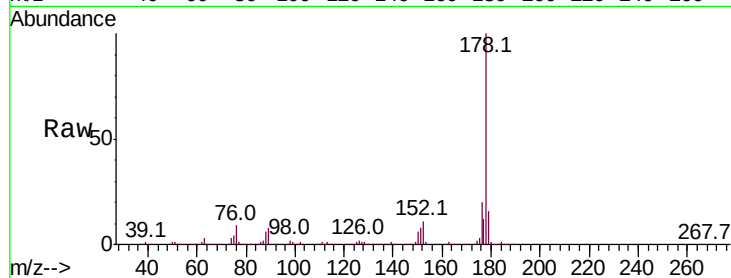
#71  
Phenanthrene  
Concen: 40.756 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 16.3  | 24.5  |
| 179     | 15.6  | 13.0  | 19.4  |

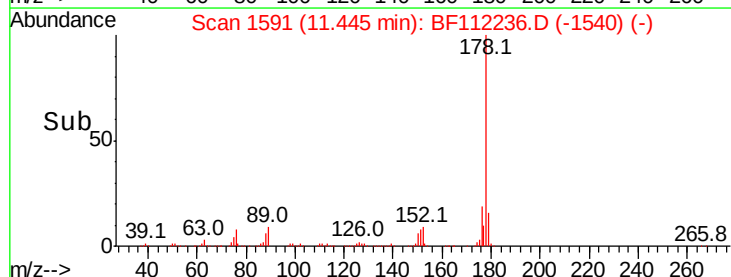
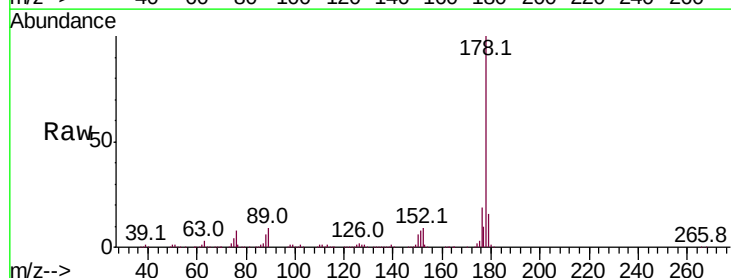
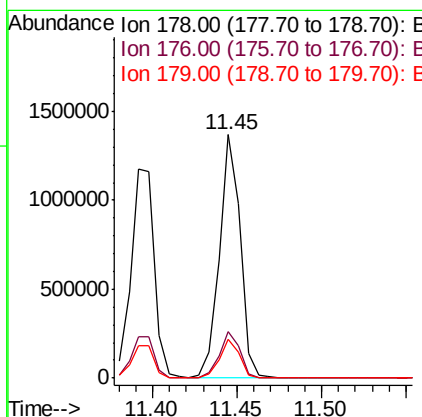
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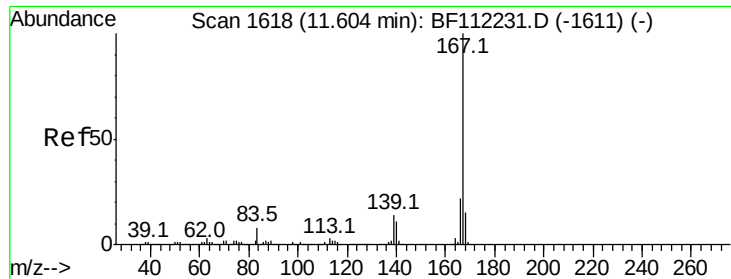


#72  
Anthracene  
Concen: 42.806 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.5  | 23.3  |
| 179     | 15.8  | 12.8  | 19.2  |







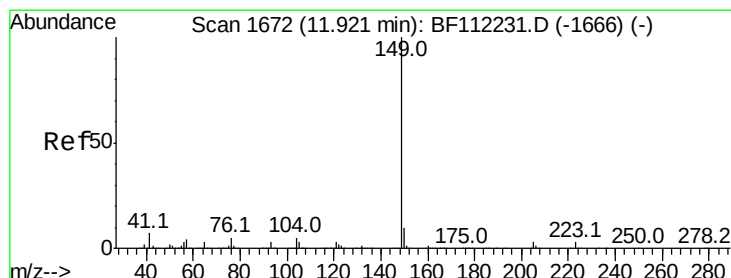
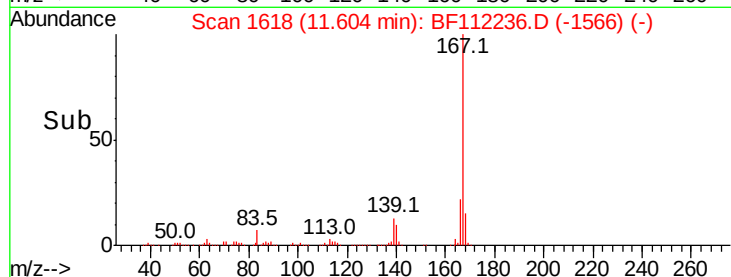
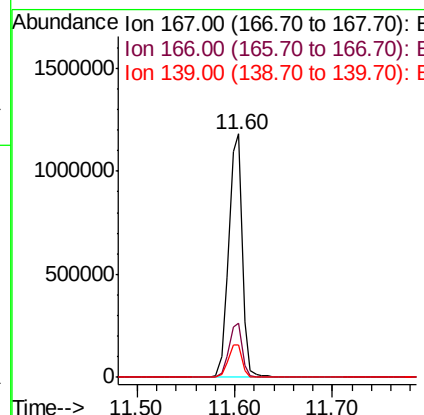
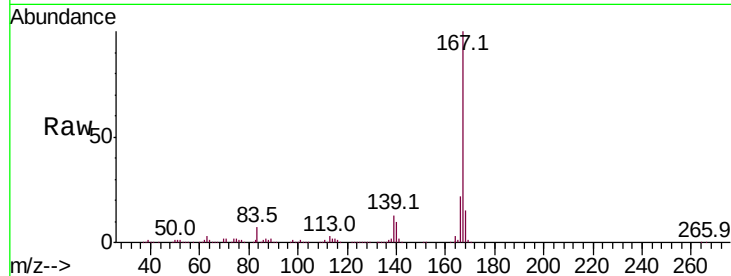
#73  
 Carbazole  
 Concen: 41.945 ng  
 RT: 11.60 min Scan# 1618  
 Delta R.T. 0.01 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

Tot Ion:167 Resp: 1141952  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.9 26.9  
 139 13.2 10.2 15.2

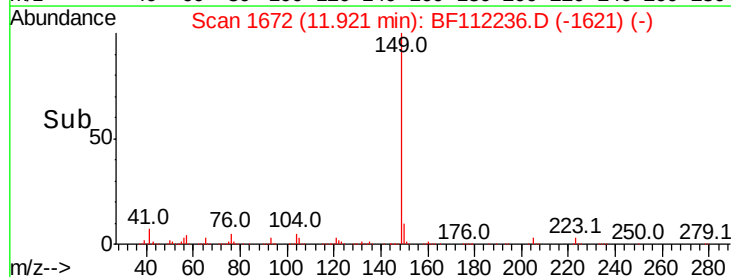
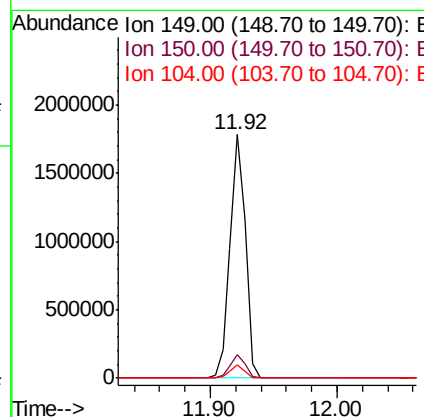
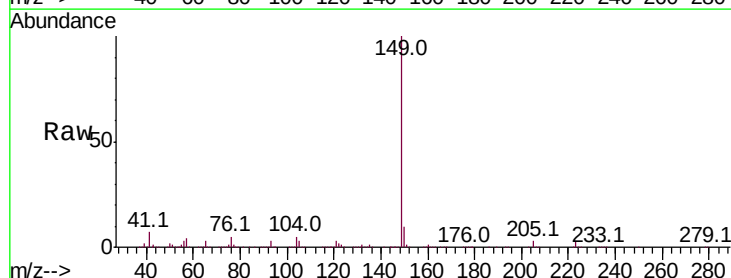
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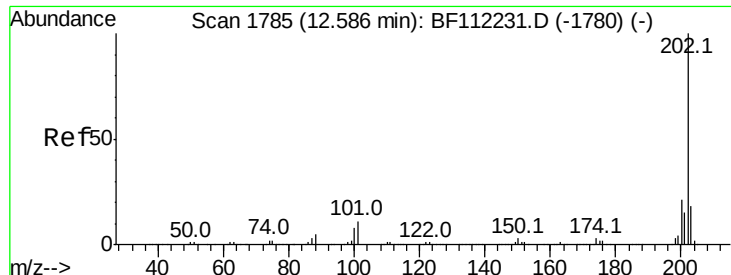
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#74  
 Di-n-butylphthalate  
 Concen: 44.424 ng  
 RT: 11.92 min Scan# 1672  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Tgt Ion:149 Resp: 1501206  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 8.1 12.1  
 104 5.3 3.9 5.9





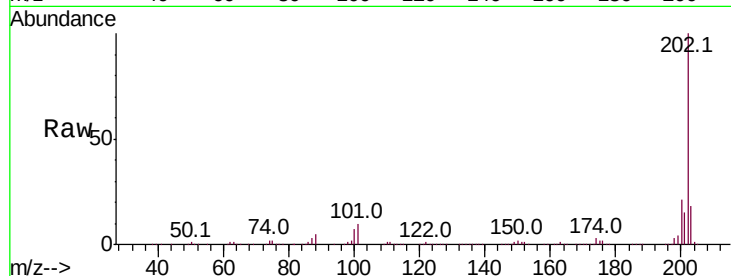
#75  
**Fluoranthene**  
 Concen: 46.868 ng  
 RT: 12.59 min Scan# 1785  
 Delta R.T. 0.01 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF012519

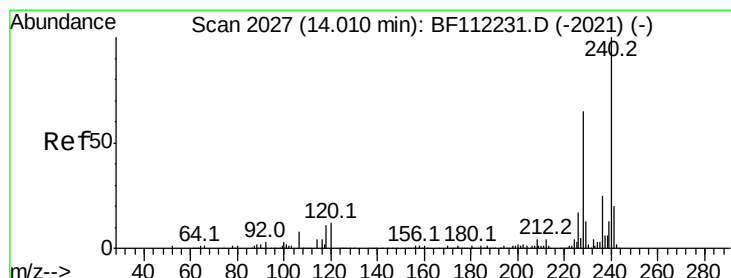
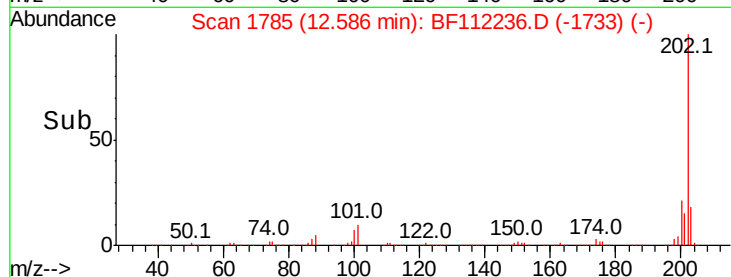
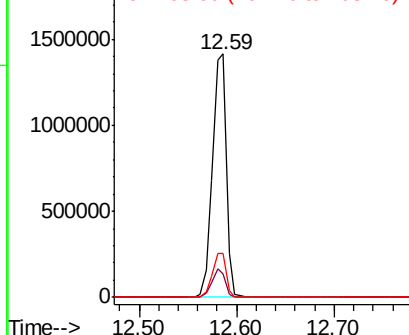
| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1392814 |       |       |
| 101     | 9.6   | 0.0     | 31.8  |       |
| 203     | 17.9  | 0.0     | 38.4  |       |

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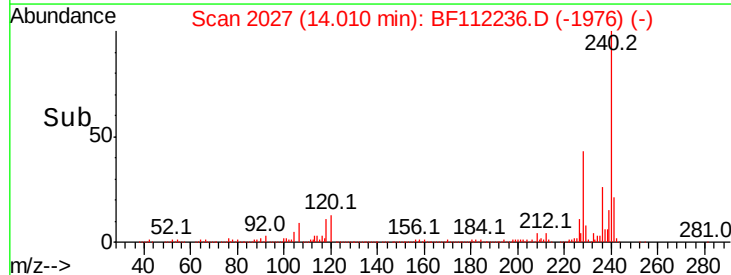
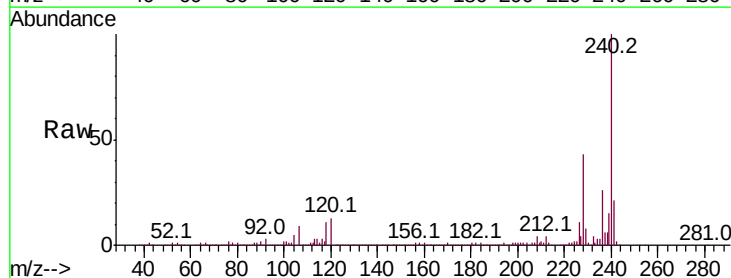
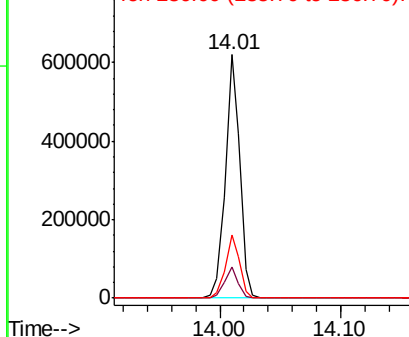
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

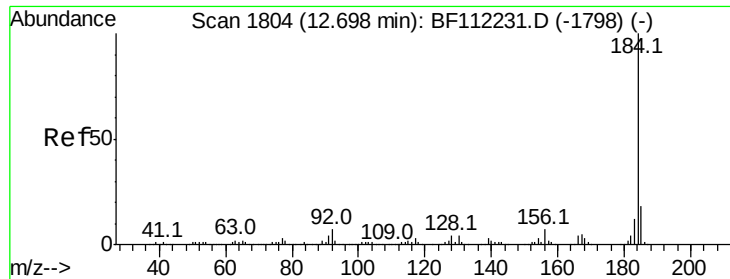


#76  
**Chrysene-d12**  
 Concen: 20.000 ng  
 RT: 14.01 min Scan# 2027  
 Delta R.T. 0.00 min  
 Lab File: BF112236.D  
 Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 510302 |       |       |
| 120     | 12.7  | 9.0    | 13.6  |       |
| 236     | 25.8  | 20.7   | 31.1  |       |

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





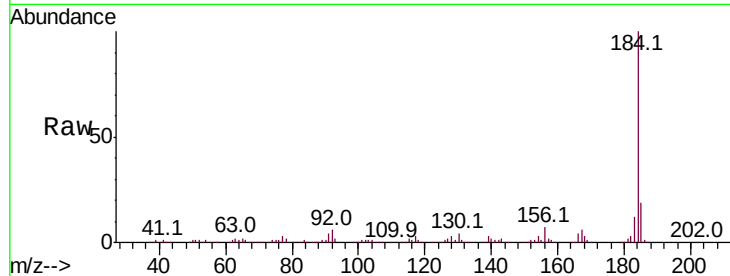
#77  
Benzidine  
Concen: 36.161 ng  
RT: 12.70 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 18.7  | 13.9  | 20.9  |
| 183     | 11.9  | 10.0  | 15.0  |

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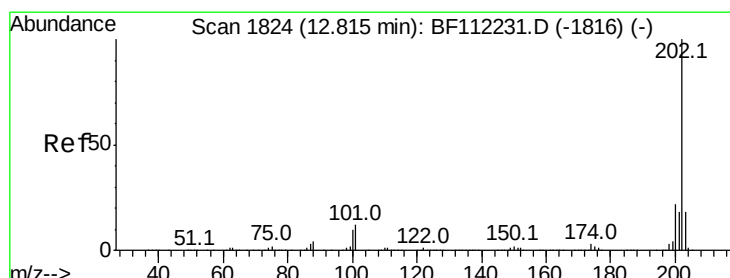
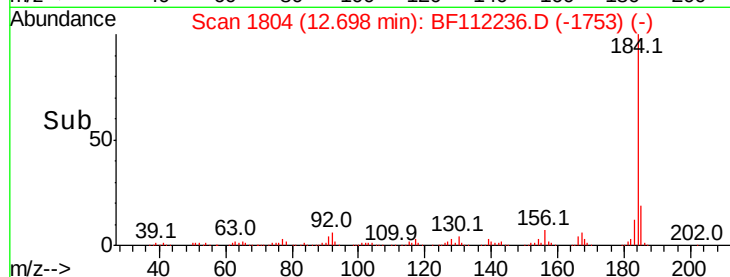
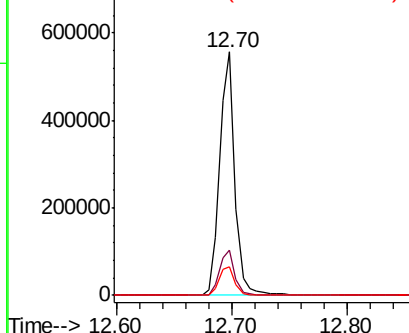


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78  
Pyrene  
Concen: 41.121 ng  
RT: 12.82 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

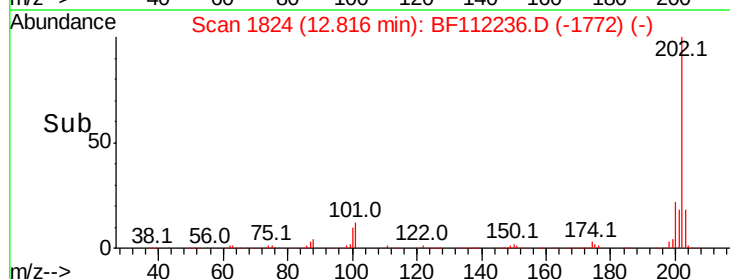
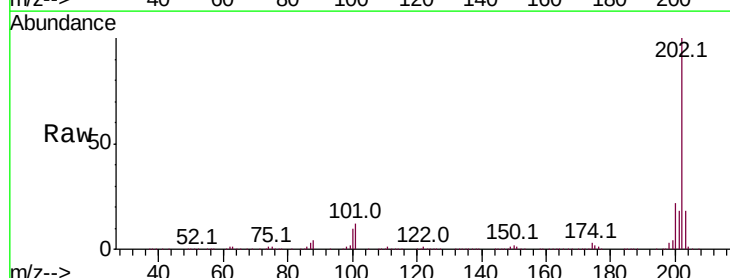
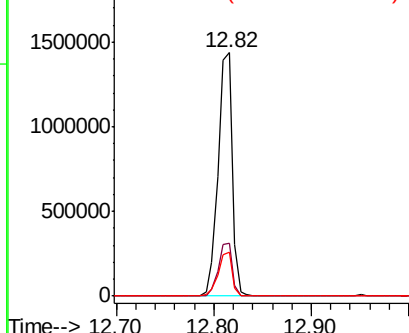
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.7  | 17.7  | 26.5  |
| 203     | 17.9  | 14.6  | 22.0  |

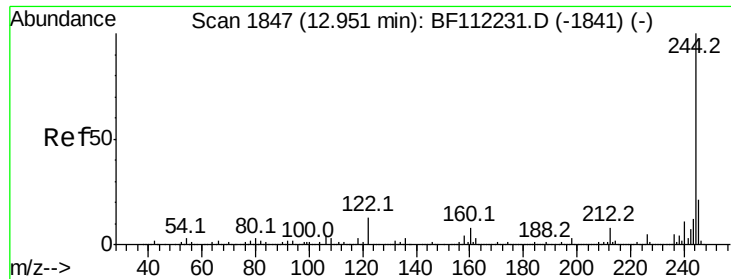
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.708 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

ClientSampleId :

ICVBF012519

Tot Ion:244 Resp: 2159621

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

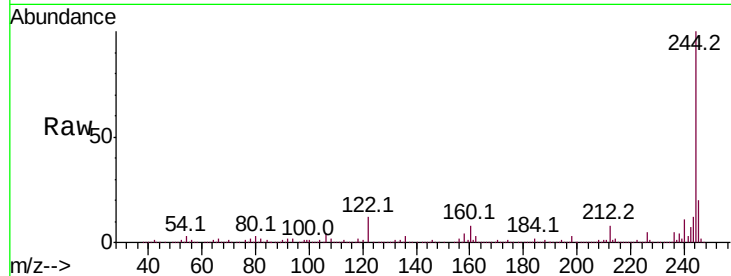
122 12.1 9.8 14.6

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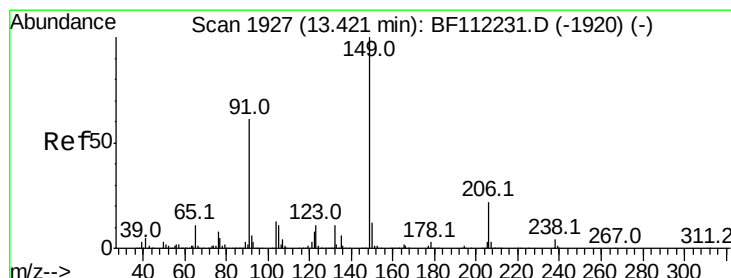
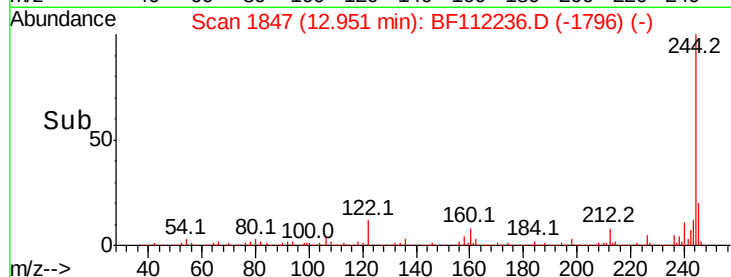
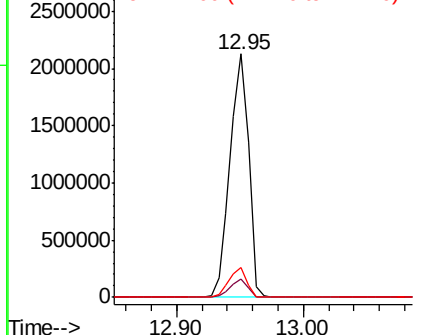
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.784 ng

RT: 13.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

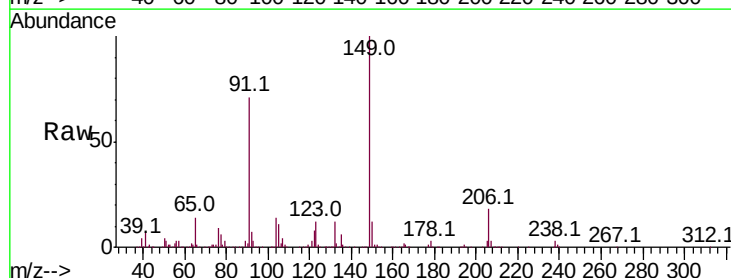
Tgt Ion:149 Resp: 697141

Ion Ratio Lower Upper

149 100

91 71.0 50.3 75.5

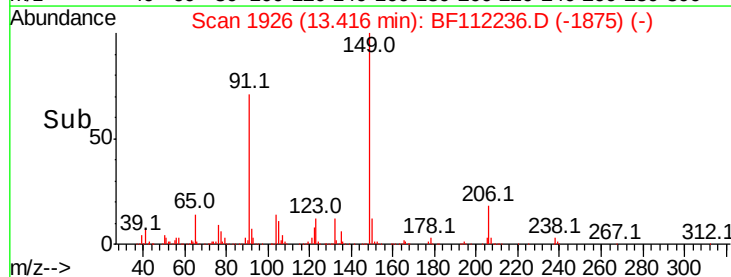
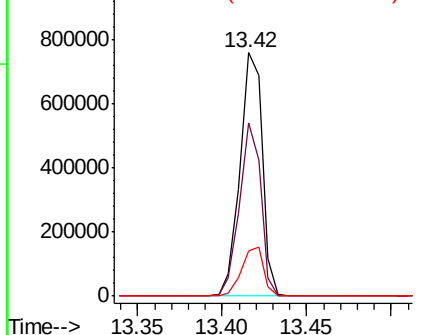
206 18.5 18.2 27.4

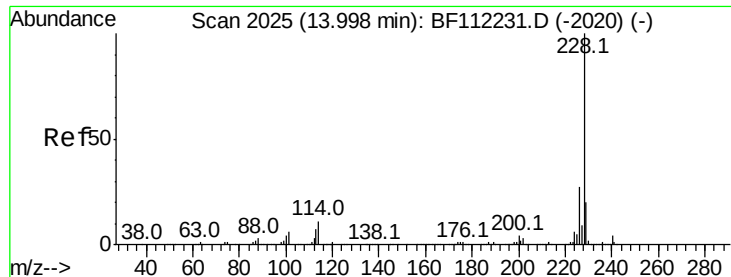


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





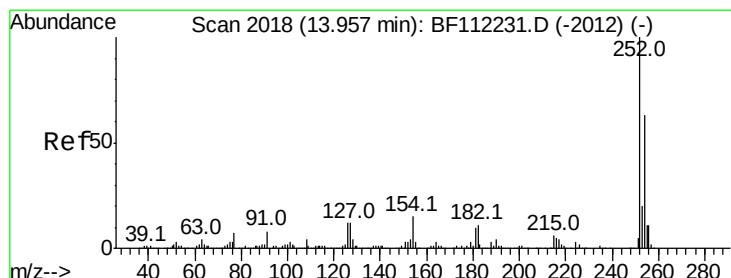
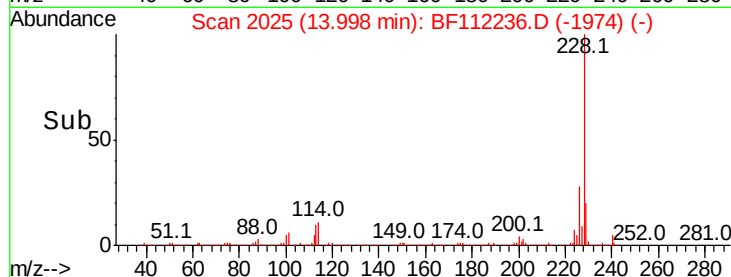
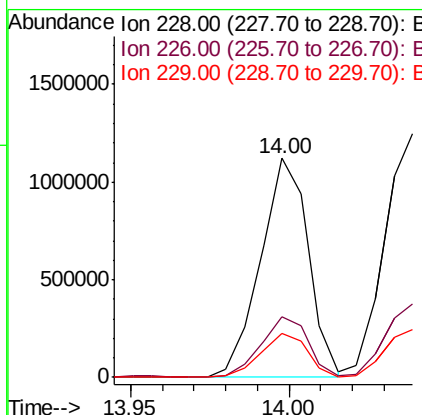
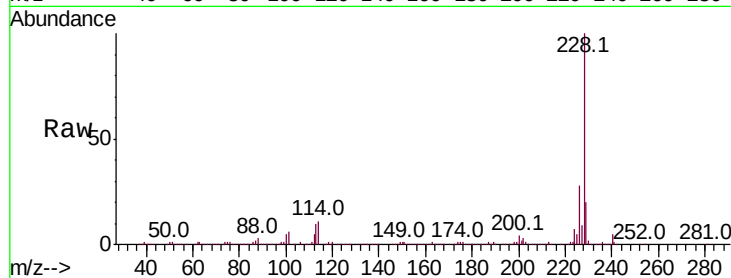
#81  
Benzo(a)anthracene  
Concen: 39.317 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 22.6  | 34.0  |
| 229     | 20.3  | 16.5  | 24.7  |

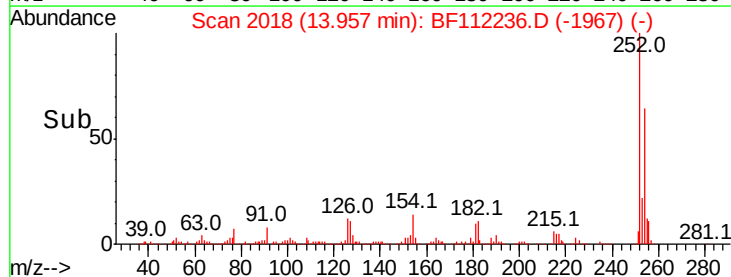
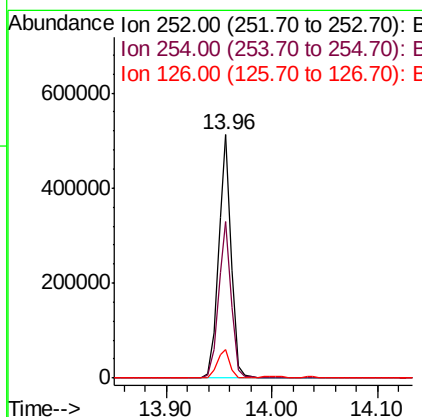
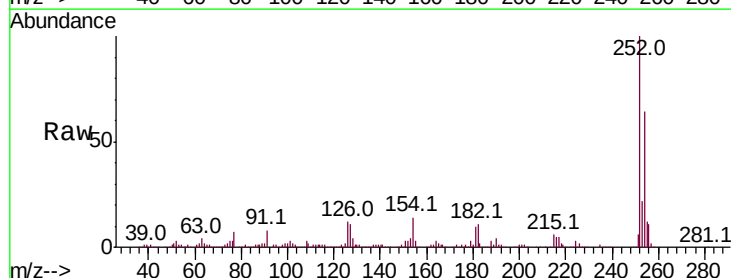
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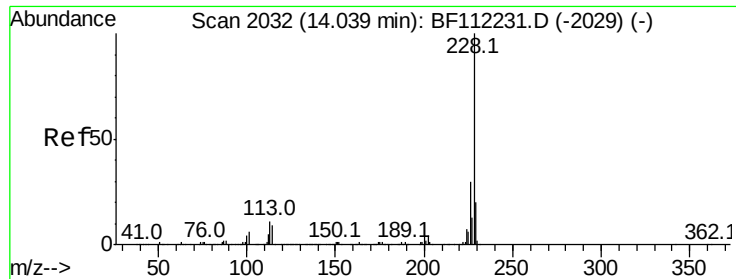
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#82  
3,3'-Dichlorobenzidine  
Concen: 38.563 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 51.6  | 77.4  |
| 126     | 11.8  | 8.6   | 12.8  |





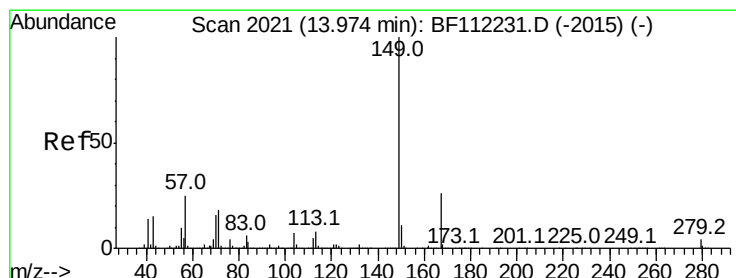
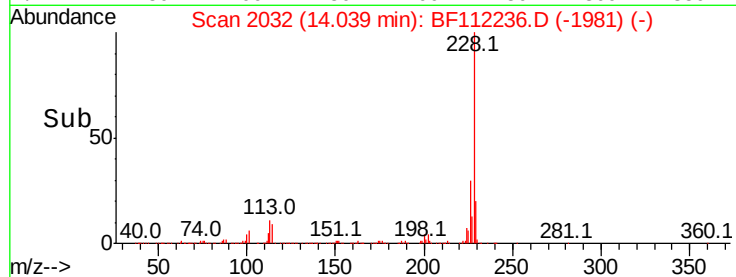
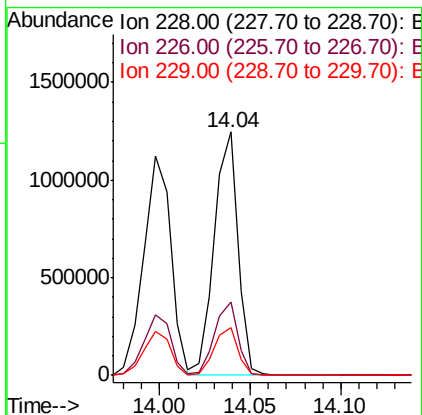
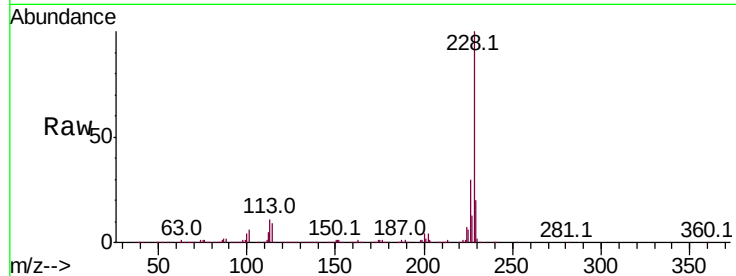
#83  
Chrysene  
Concen: 39.674 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 25.0  | 37.6  |
| 229     | 19.8  | 16.6  | 24.8  |

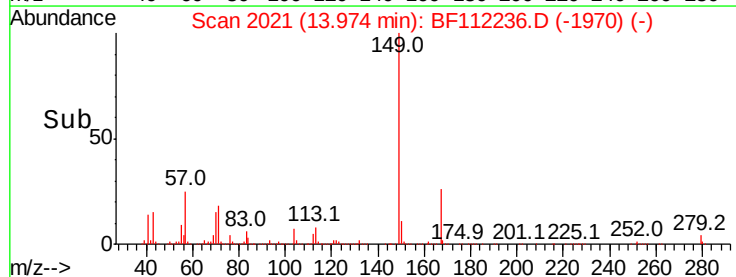
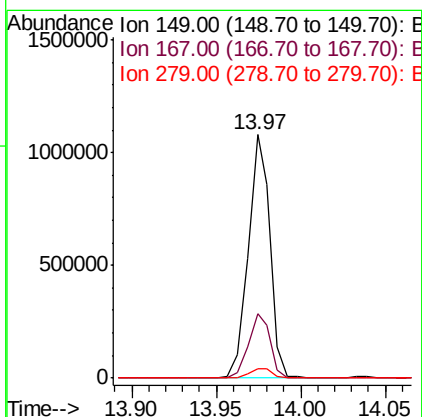
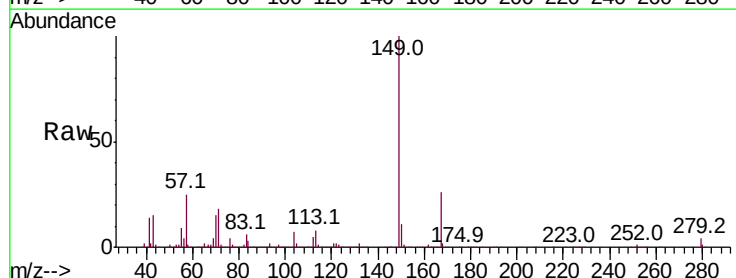
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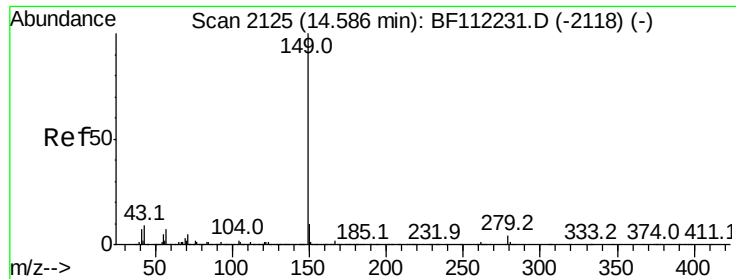
mohammad  
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 39.834 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.5  | 22.5  | 33.7  |
| 279     | 3.9   | 3.8   | 5.6   |





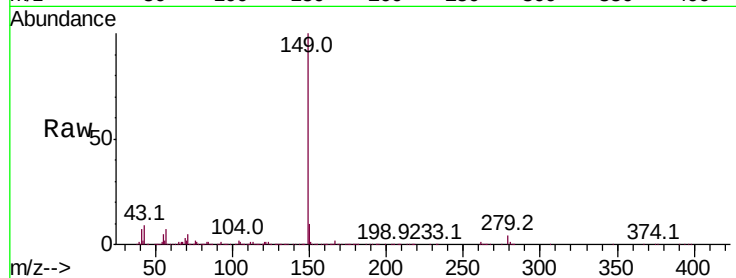
#85  
Di-n-octyl phthalate  
Concen: 39.060 ng  
RT: 14.59 min Scan# 2125  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 8.8   | 7.8   | 11.6  |

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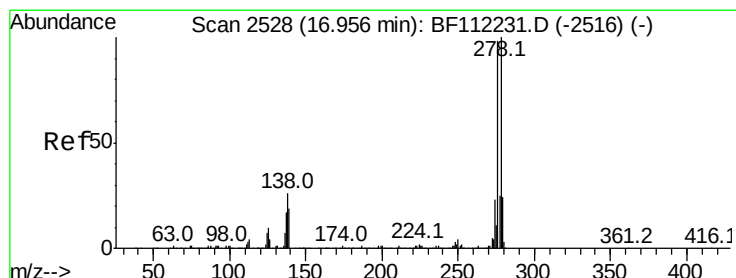
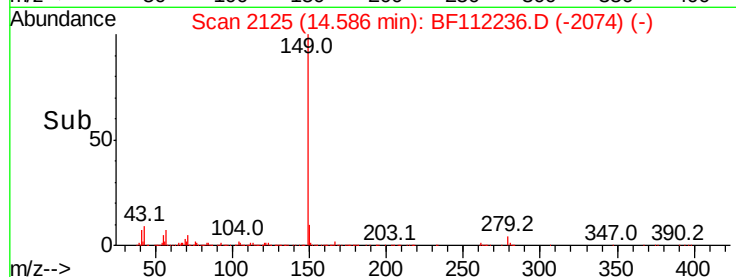
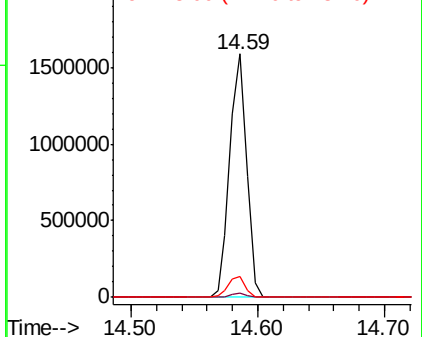


Abundance

Ion 149.00 (148.70 to 149.70): E

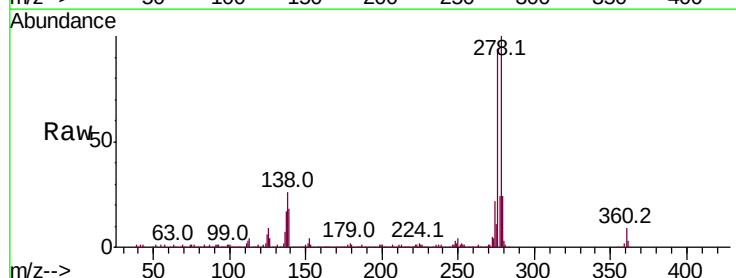
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 39.318 ng  
RT: 16.96 min Scan# 2528  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.5  | 22.6  | 34.0  |
| 277     | 25.7  | 20.3  | 30.5  |

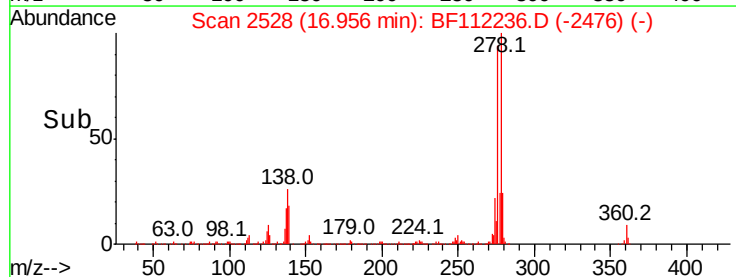
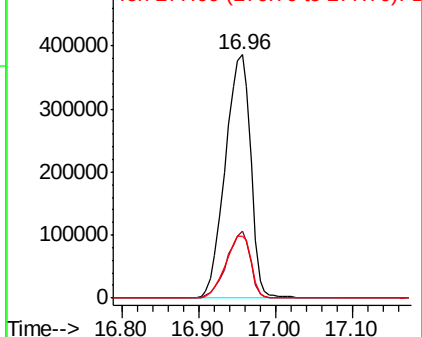


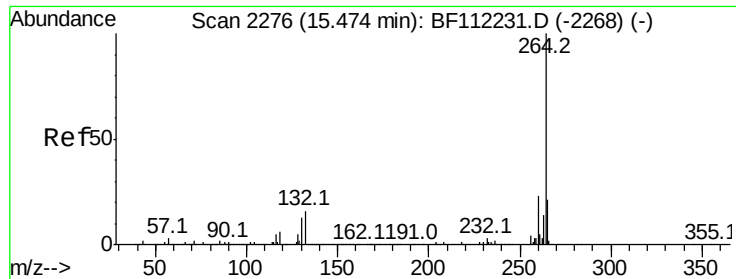
Abundance

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: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

Instrument :

BNA\_F

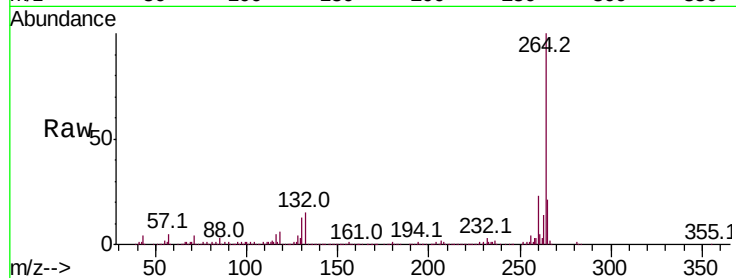
ClientSampleId :

ICVBF012519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 399317 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.7  | 18.2  | 27.2   |
| 265       | 21.5  | 17.0  | 25.4   |

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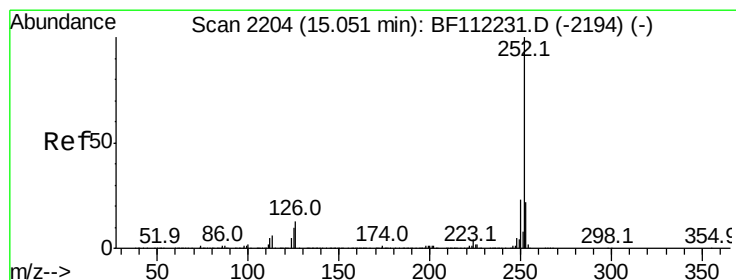
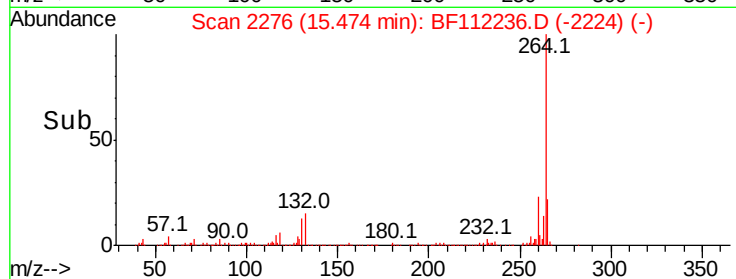
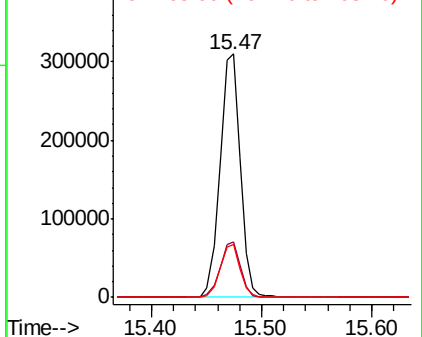


Abundance

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: 41.953 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF112236.D

Acq: 25 Jan 2019 16:45

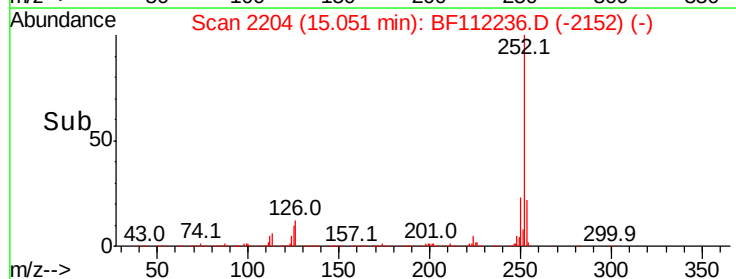
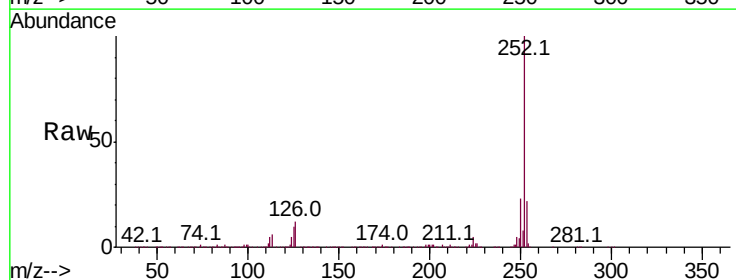
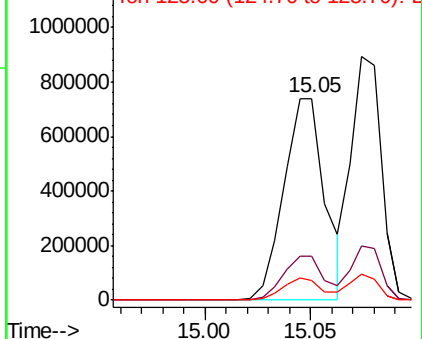
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1001882 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 21.6  | 18.0  | 27.0    |
| 125       | 9.6   | 8.7   | 13.1    |

Abundance

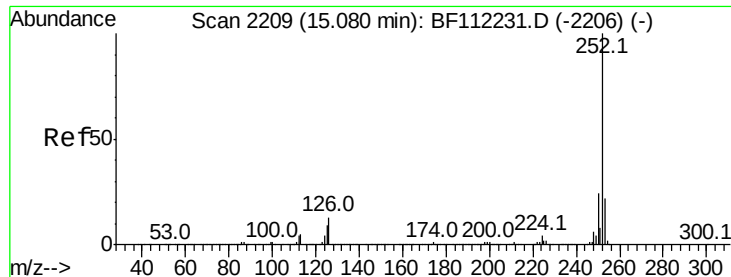
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







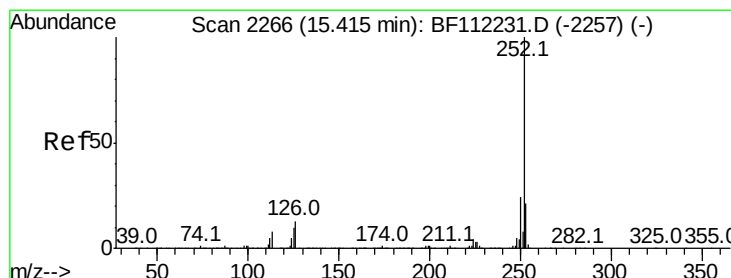
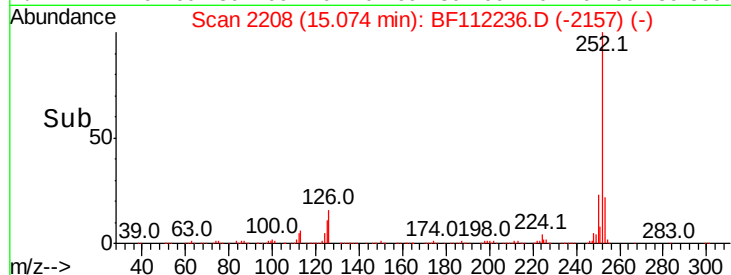
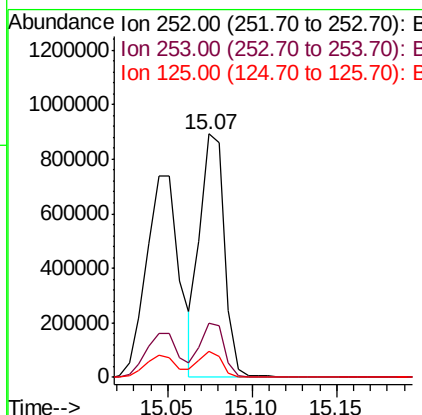
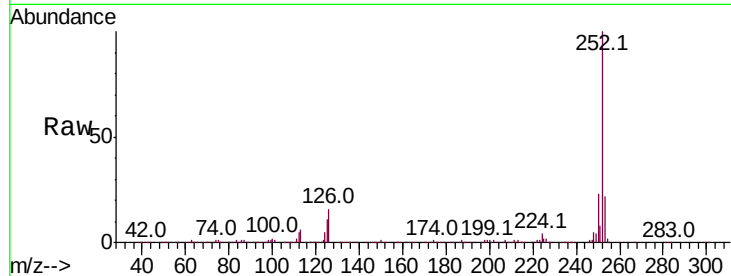
#89  
Benzo(k)fluoranthene  
Concen: 39.276 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.0  | 27.0  |
| 125     | 10.7  | 9.1   | 13.7  |

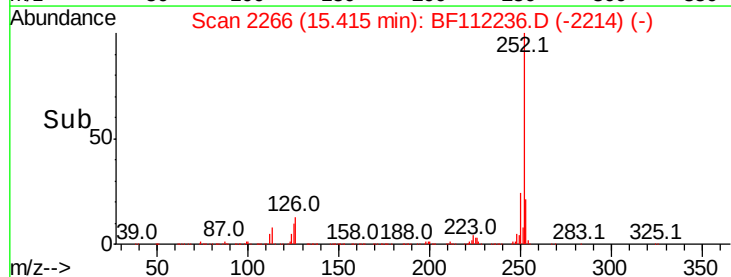
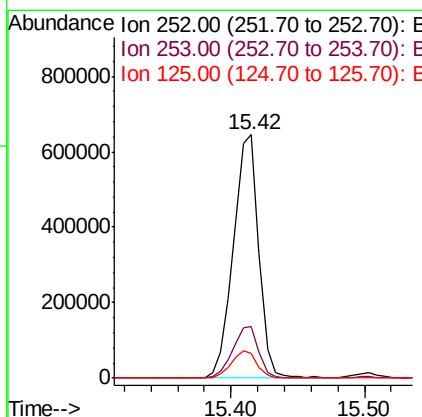
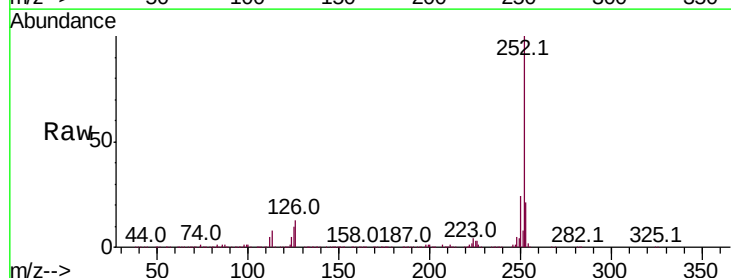
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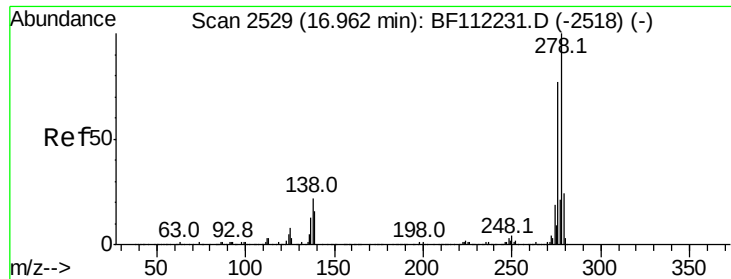
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#90  
Benzo(a)pyrene  
Concen: 40.010 ng  
RT: 15.42 min Scan# 2266  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 17.5  | 26.3  |
| 125     | 10.3  | 9.0   | 13.4  |





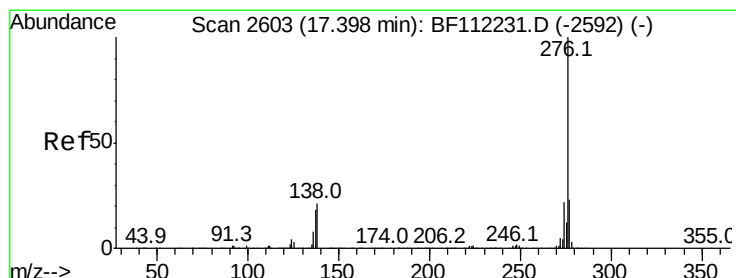
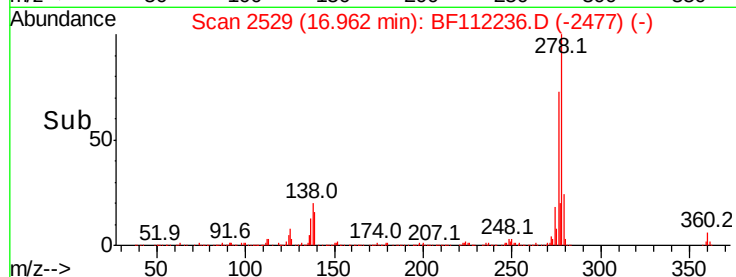
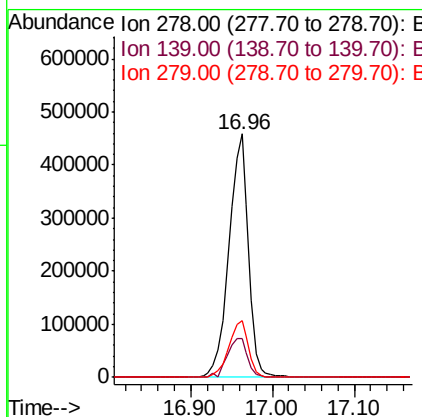
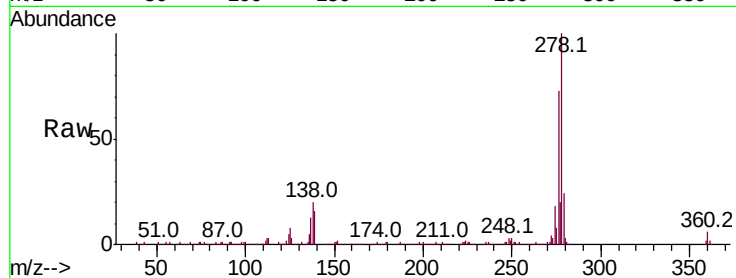
#91  
Dibenzo(a,h)anthracene  
Concen: 43.656 ng  
RT: 16.96 min Scan# 2529  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF012519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.8  | 13.7  | 20.5  |
| 279     | 23.5  | 19.0  | 28.6  |

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#92  
Benzo(g,h,i)perylene  
Concen: 43.962 ng  
RT: 17.40 min Scan# 2603  
Delta R.T. 0.01 min  
Lab File: BF112236.D  
Acq: 25 Jan 2019 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.0  | 19.4  | 29.0  |
| 138     | 21.1  | 19.1  | 28.7  |

