

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\  
 Data File : BF118804.D  
 Acq On : 4 Feb 2020 16:23  
 Operator : CG/JU  
 Sample : PB126588BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

Manual Integrations  
 APPROVED

mohammad  
 2/6/2020 2:17:03 PM

Quant Time: Feb 04 17:16:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 239294   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 890694   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.85  | 164  | 520264   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 980934   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 702379   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.40 | 264  | 653795   | 20.00 | ng    | -0.02    |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.44  | 112 | 1145469 | 90.61 | ng | 0.00  |
| 7) Phenol-d6                | 6.45  | 99  | 1428851 | 91.05 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.37  | 82  | 1232815 | 82.50 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330 | 555599  | 89.25 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.17  | 172 | 2570031 | 88.31 | ng | 0.00  |
| 79) Terphenyl-d14           | 12.92 | 244 | 3094789 | 90.50 | ng | -0.01 |

| Target Compounds               |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 272278  | 47.261 | ng | 99     |
| 3) Pyridine                    | 3.37 | 79  | 664829  | 41.559 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.31 | 42  | 280304  | 48.126 | ng | 100    |
| 6) Aniline                     | 6.47 | 93  | 741068  | 36.666 | ng | 100    |
| 8) 2-Chlorophenol              | 6.60 | 128 | 723552  | 51.387 | ng | 98     |
| 9) Benzaldehyde                | 6.36 | 77  | 358712  | 39.427 | ng | 98     |
| 10) Phenol                     | 6.46 | 94  | 878141  | 50.327 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 647531  | 48.506 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146 | 792566  | 47.289 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 808432  | 48.357 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 747038  | 46.778 | ng | 99     |
| 15) Benzyl Alcohol             | 6.95 | 79  | 615984  | 50.783 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 758736  | 46.412 | ng | 99     |
| 17) 2-Methylphenol             | 7.07 | 107 | 589659  | 50.371 | ng | 99     |
| 18) Hexachloroethane           | 7.33 | 117 | 277504  | 46.249 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 466858  | 48.623 | ng | 100    |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 696893  | 47.494 | ng | 91     |
| 22) Acetophenone               | 7.22 | 105 | 912761  | 47.167 | ng | # 98   |
| 24) Nitrobenzene               | 7.39 | 77  | 724774  | 48.551 | ng | 99     |
| 25) Isophorone                 | 7.63 | 82  | 1342129 | 49.975 | ng | 100    |
| 26) 2-Nitrophenol              | 7.71 | 139 | 398538  | 50.101 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 636676  | 58.920 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 826822  | 47.478 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 646606  | 49.967 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 711788  | 47.058 | ng | 100    |
| 31) Naphthalene                | 8.12 | 128 | 2049875 | 50.320 | ng | 99     |
| 32) Benzoic acid               | 7.87 | 122 | 434057  | 48.517 | ng | 98     |
| 33) 4-Chloroaniline            | 8.16 | 127 | 527510  | 28.944 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.24 | 225 | 419367  | 45.254 | ng | 98     |
| 35) Caprolactam                | 8.53 | 113 | 203526m | 48.515 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 665384  | 51.093 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 1435706 | 50.816 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.91 | 142 | 1348640 | 50.743 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 691370  | 44.031 | ng | 99     |

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 ClientSampleId :  
 PB126588BS

Manual Integrations  
 APPROVED

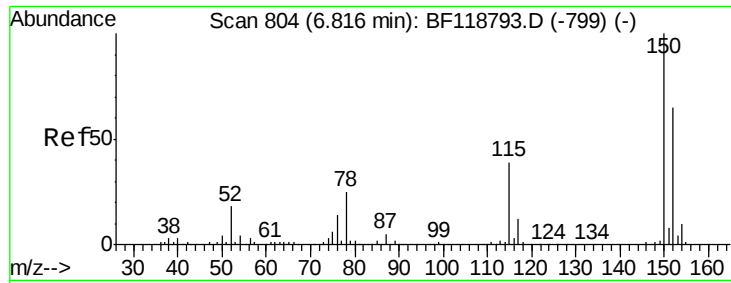
mohammad  
 2/6/2020 2:17:03 PM

Quant Time: Feb 04 17:16:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 16:26:03 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 751886   | 122.119 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 505333   | 48.127  | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.13  | 196  | 521942   | 48.650  | nq    | 99       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 1723390  | 47.887  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 1398741  | 46.751  | nq    | 98       |
| 48) 2-Nitroaniline             | 9.39  | 65   | 396881   | 45.993  | nq    | 91       |
| 49) Acenaphthylene             | 9.72  | 152  | 2165549  | 50.130  | nq    | 99       |
| 50) Dimethylphthalate          | 9.57  | 163  | 1681556  | 47.468  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 394976   | 48.729  | nq    | 96       |
| 52) Acenaphthene               | 9.89  | 154  | 1473010  | 51.746  | nq    | 99       |
| 53) 3-Nitroaniline             | 9.80  | 138  | 262930   | 29.249  | nq    | 99       |
| 54) 2,4-Dinitrophenol          | 9.91  | 184  | 375269   | 96.305  | nq    | # 90     |
| 55) Dibenzofuran               | 10.06 | 168  | 1979849  | 48.126  | nq    | 99       |
| 56) 4-Nitrophenol              | 9.96  | 139  | 639875   | 98.352  | nq    | 99       |
| 57) 2,4-Dinitrotoluene         | 10.04 | 165  | 531499   | 49.549  | nq    | 98       |
| 58) Fluorene                   | 10.40 | 166  | 1476083  | 47.694  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 459530   | 49.045  | nq    | 100      |
| 60) Diethylphthalate           | 10.27 | 149  | 1620597  | 47.046  | nq    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 785560   | 46.803  | nq    | 97       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 380446   | 42.262  | nq    | 97       |
| 63) Azobenzene                 | 10.55 | 77   | 1437683  | 48.887  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 278341   | 50.497  | nq    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 1396835  | 49.160  | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.88 | 248  | 549164   | 47.325  | nq    | 95       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 617019   | 46.358  | nq    | 95       |
| 69) Atrazine                   | 11.03 | 200  | 505944   | 53.447  | nq    | 100      |
| 70) Pentachlorophenol          | 11.14 | 266  | 644548   | 91.714  | nq    | 99       |
| 71) Phenanthrene               | 11.36 | 178  | 2279693  | 47.234  | nq    | 99       |
| 72) Anthracene                 | 11.41 | 178  | 2342085  | 48.780  | nq    | 100      |
| 73) Carbazole                  | 11.56 | 167  | 2025741  | 48.075  | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 2458969  | 45.810  | nq    | 99       |
| 75) Fluoranthene               | 12.55 | 202  | 2436814  | 46.244  | nq    | 99       |
| 77) Benzidine                  | 12.66 | 184  | 1083662  | 51.010  | nq    | 99       |
| 78) Pyrene                     | 12.77 | 202  | 2444532  | 50.732  | nq    | 100      |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 1032697  | 46.956  | nq    | 95       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 2006103  | 47.998  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 581661   | 34.026  | nq    | 99       |
| 83) Chrysene                   | 14.00 | 228  | 2022255  | 48.208  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 1270977  | 45.550  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 2075101  | 43.411  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.84 | 276  | 1806756  | 42.868  | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 1858155  | 45.802  | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 15.02 | 252  | 1872419  | 53.001  | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.35 | 252  | 1646487  | 47.423  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.86 | 278  | 1513994  | 49.121  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.27 | 276  | 1520703  | 51.303  | nq    | 98       |

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





#1

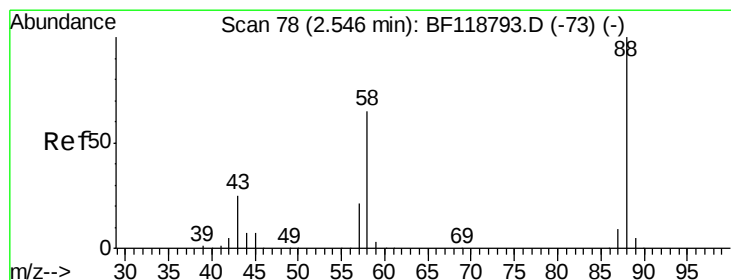
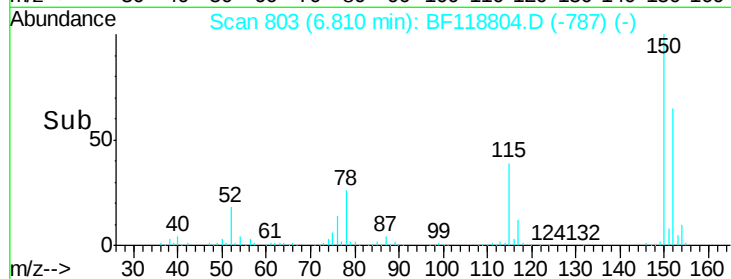
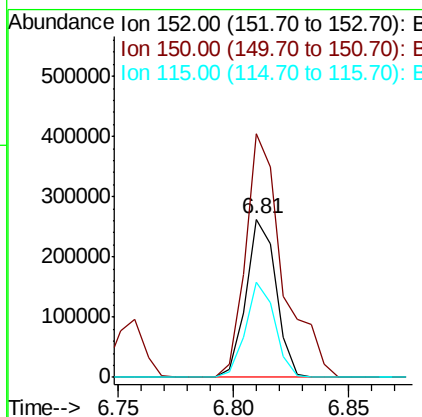
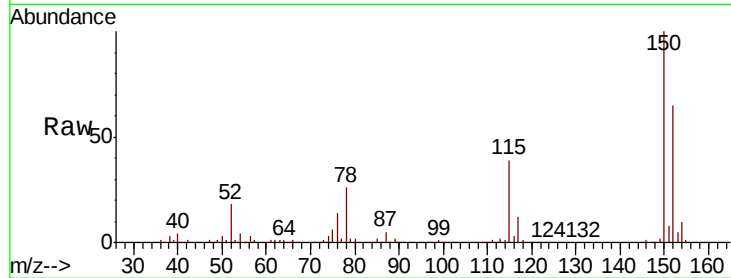
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampled :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 123.6 | 185.4 |
| 115     | 60.1  | 48.2  | 72.2  |

Manual Integrations  
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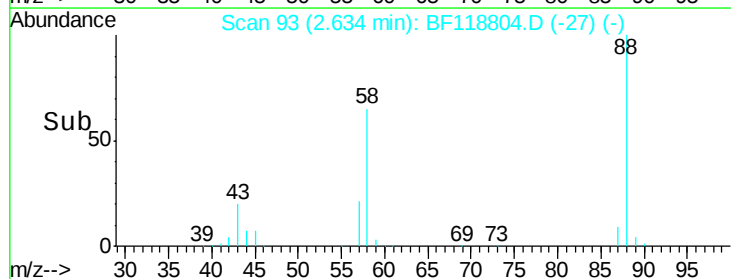
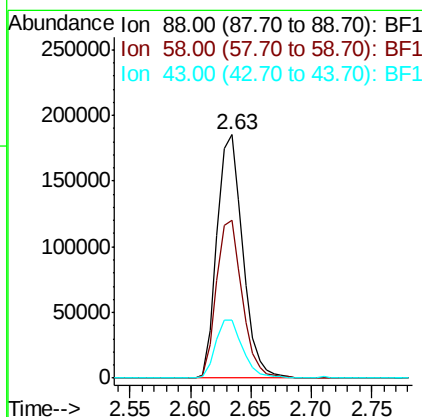
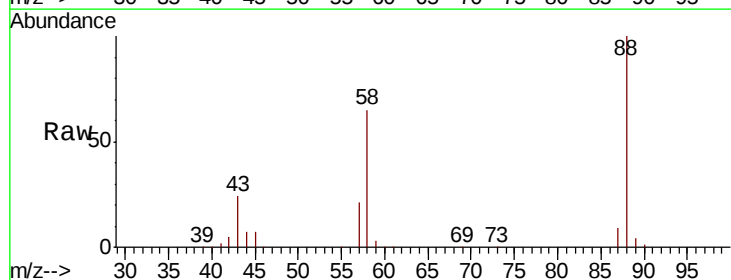
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2/6/2020 2:17:03 PM

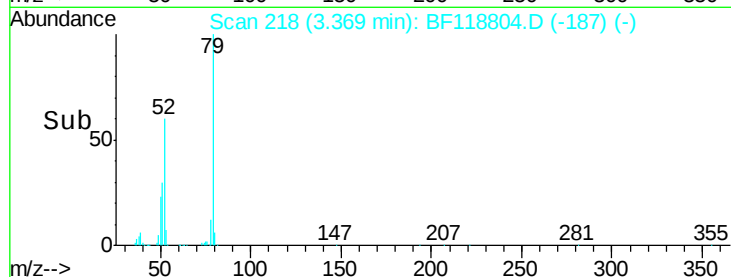
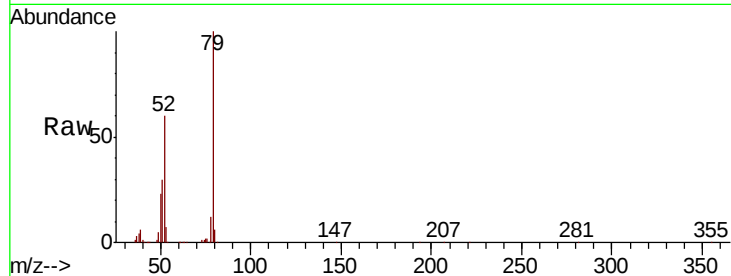
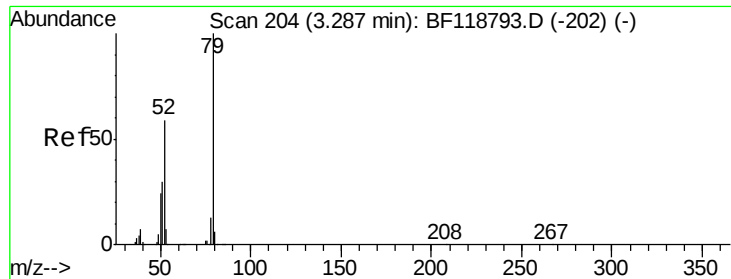


#2

1,4-Dioxane  
Concen: 47.261 ng  
RT: 2.63 min Scan# 93  
Delta R.T. 0.09 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 65.0  | 51.6  | 77.4  |
| 43      | 24.3  | 19.8  | 29.6  |





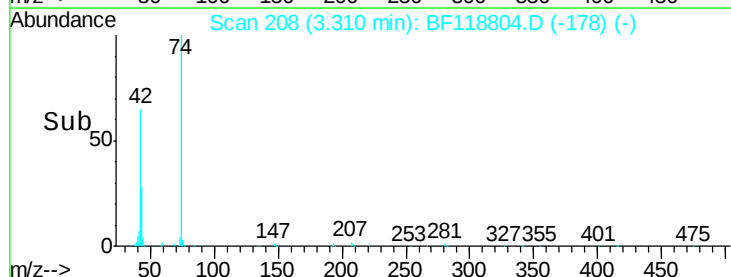
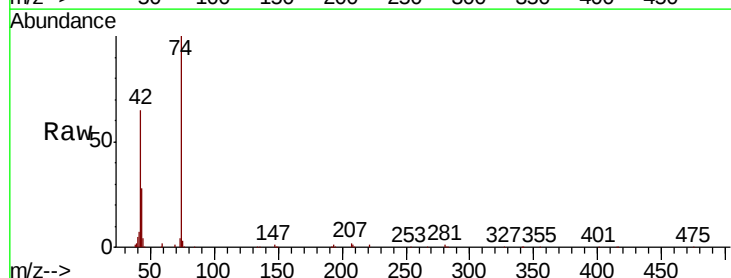
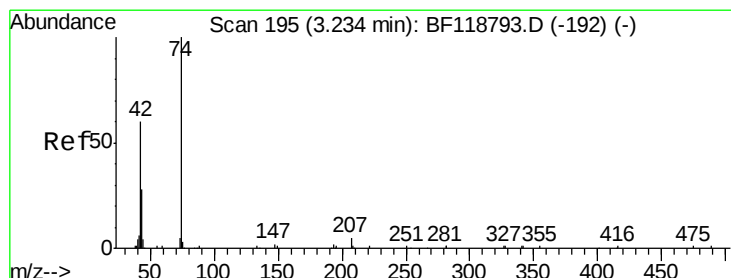
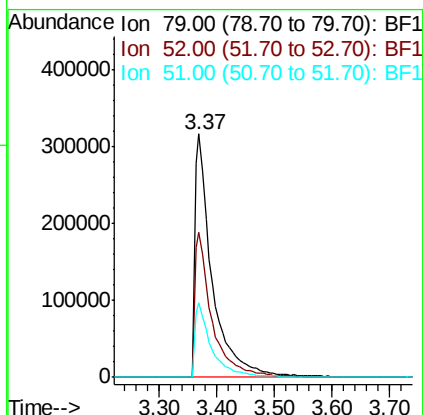
#3  
Pvridine  
Concen: 41.559 ng  
RT: 3.37 min Scan# 218  
Delta R.T. 0.08 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 59.7  | 47.4  | 71.0  |
| 51      | 30.5  | 24.2  | 36.4  |

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

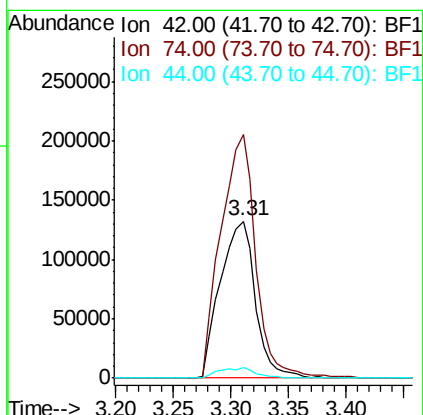
Manual Integrations  
APPROVED

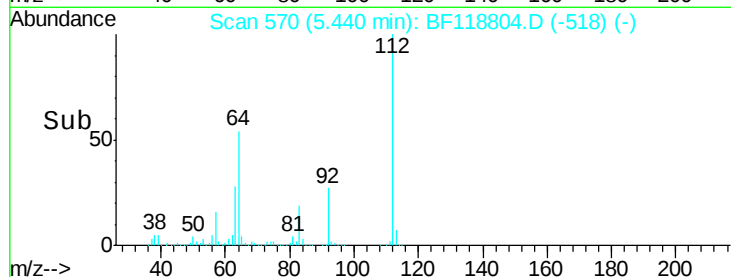
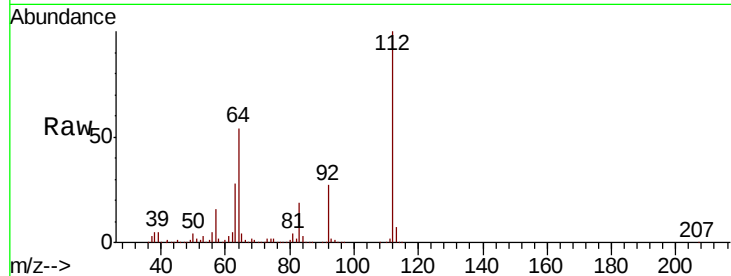
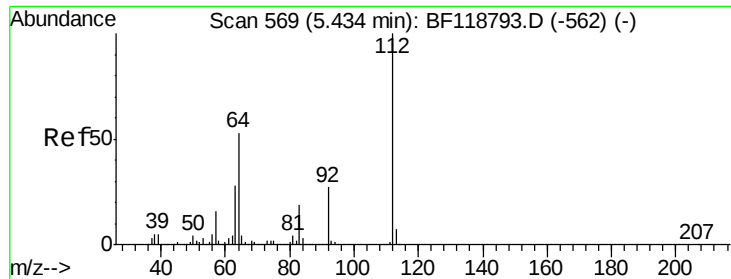
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2/6/2020 2:17:03 PM



#4  
n-Nitrosodimethylamine  
Concen: 48.126 ng  
RT: 3.31 min Scan# 208  
Delta R.T. 0.08 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 154.9 | 124.3 | 186.5 |
| 44      | 6.8   | 5.3   | 7.9   |





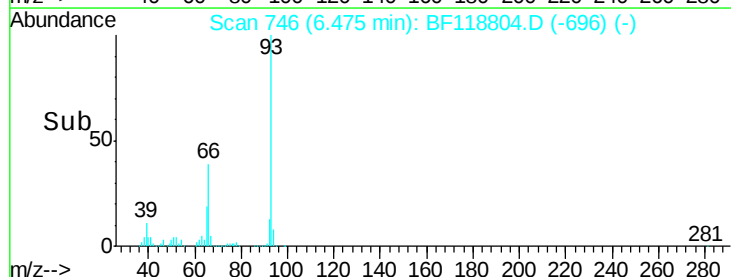
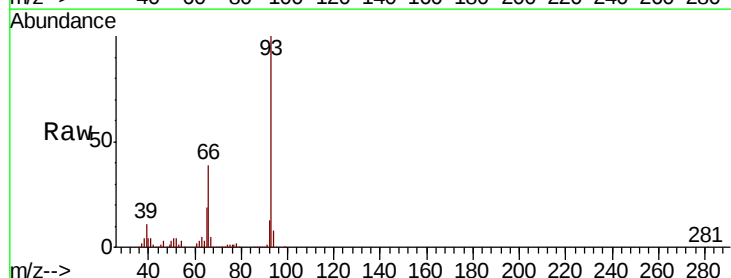
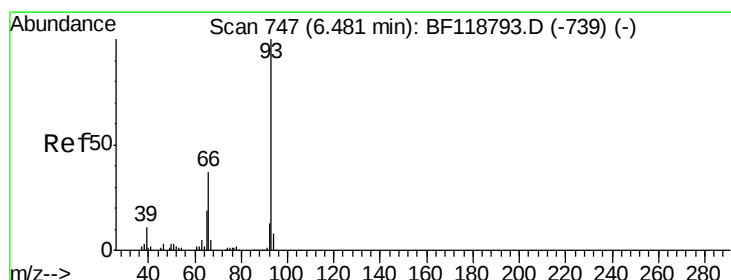
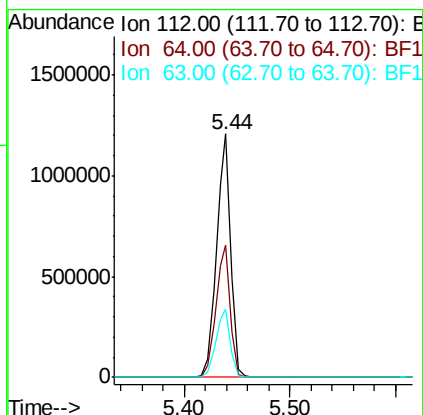
#5  
2-Fluorophenol  
Concen: 90.612 ng  
RT: 5.44 min Scan# 570  
Delta R.T. 0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.3  | 42.6  | 63.8  |
| 63      | 27.9  | 22.2  | 33.4  |

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

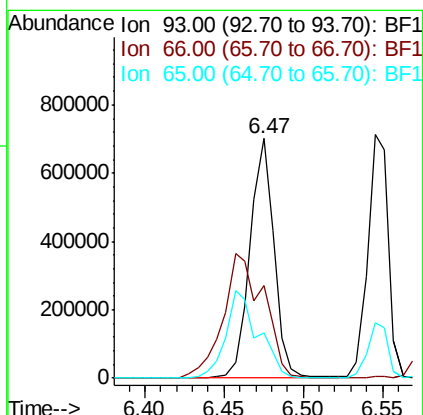
Manual Integrations  
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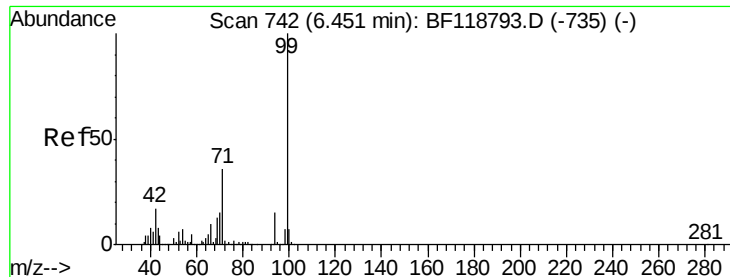
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2/6/2020 2:17:03 PM



#6  
Aniline  
Concen: 36.666 ng  
RT: 6.47 min Scan# 746  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 38.9  | 30.8  | 46.2  |
| 65      | 19.1  | 15.4  | 23.0  |





#7

Phenol-d6

Concen: 91.053 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion: 99 Resp: 1428851

Ion Ratio Lower Upper

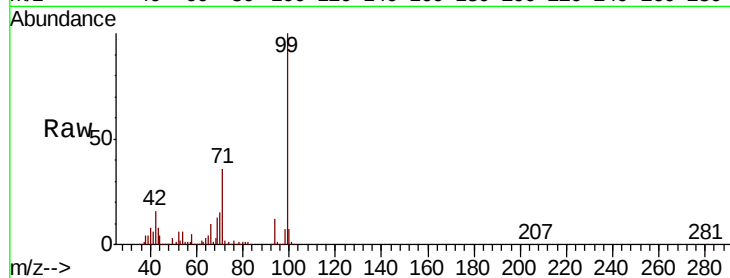
99 100

42 16.4 13.4 20.0

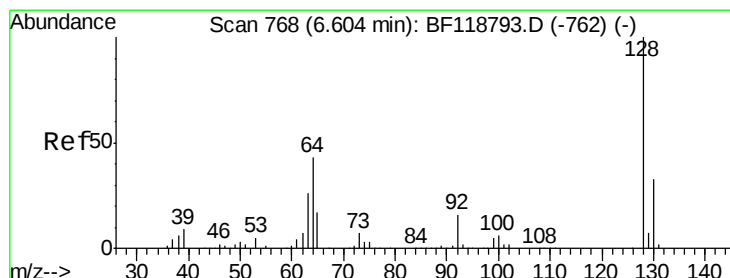
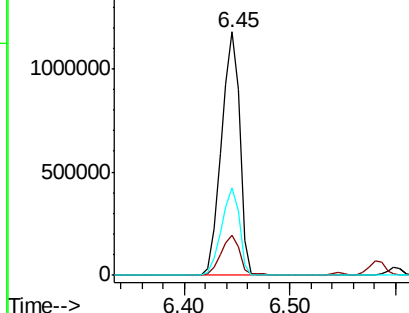
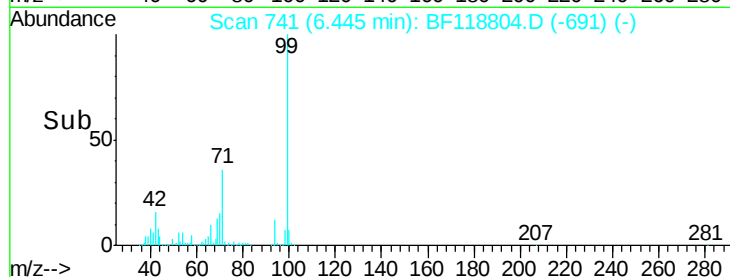
71 35.8 29.0 43.6

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



#8

2-Chlorophenol

Concen: 51.387 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

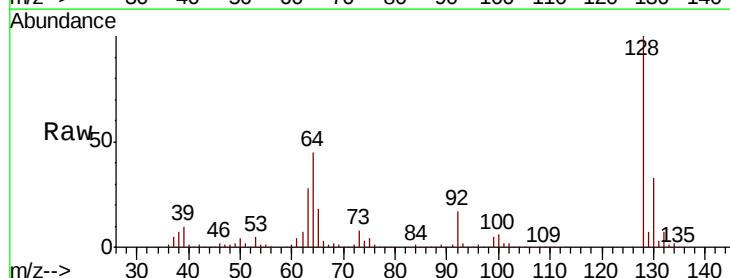
Tgt Ion: 128 Resp: 723552

Ion Ratio Lower Upper

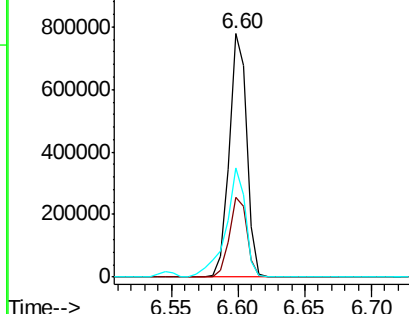
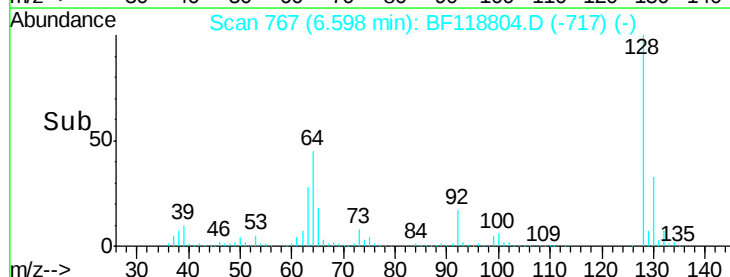
128 100

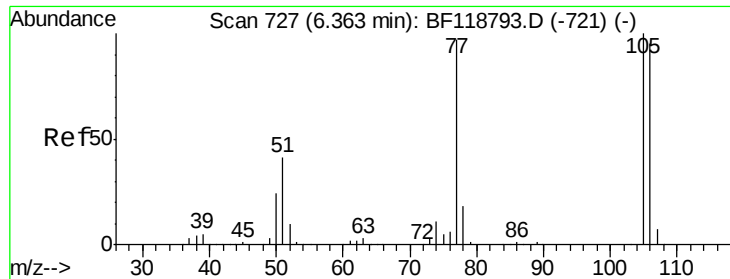
130 32.9 13.1 53.1

64 45.0 23.0 63.0



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





#9

Benzaldehyde

Concen: 39.427 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion: 77 Resp: 358712

Ion Ratio Lower Upper

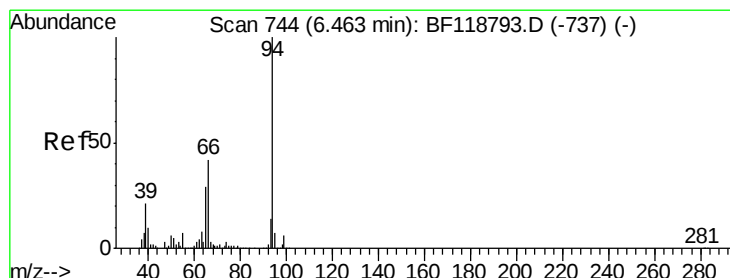
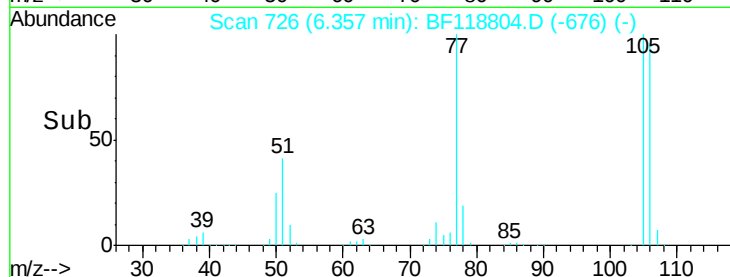
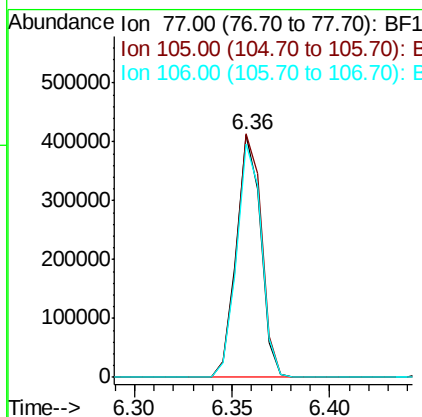
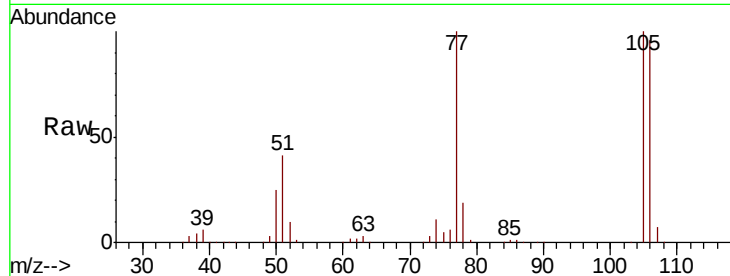
77 100

105 100.4 82.8 122.8

106 96.4 78.1 118.1

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#10

Phenol

Concen: 50.327 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

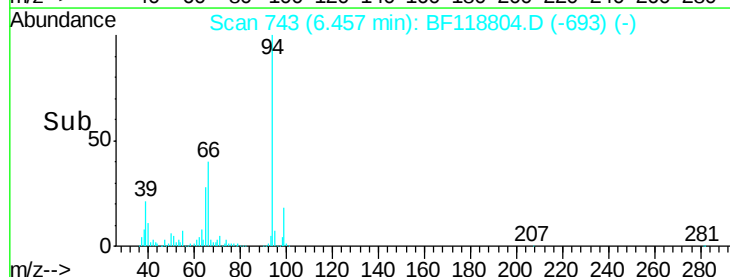
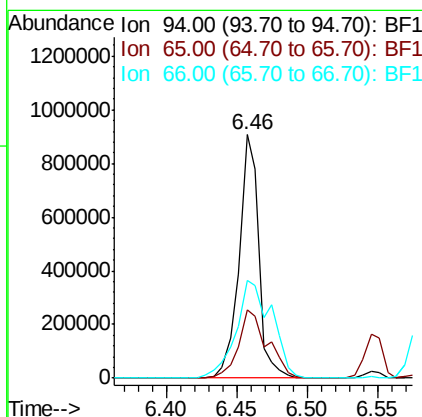
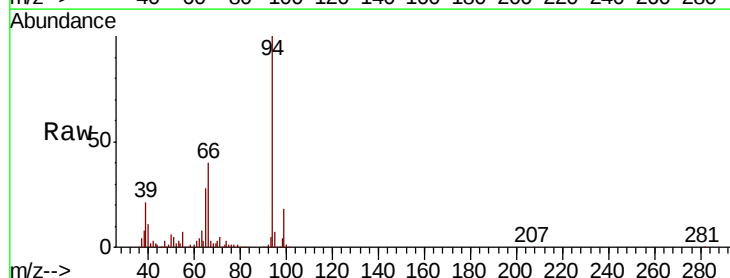
Tgt Ion: 94 Resp: 878141

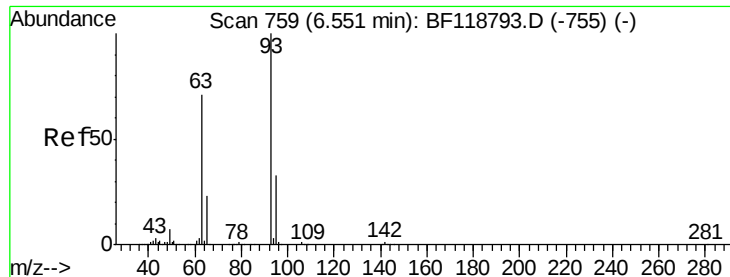
Ion Ratio Lower Upper

94 100

65 28.1 9.1 49.1

66 40.1 21.7 61.7





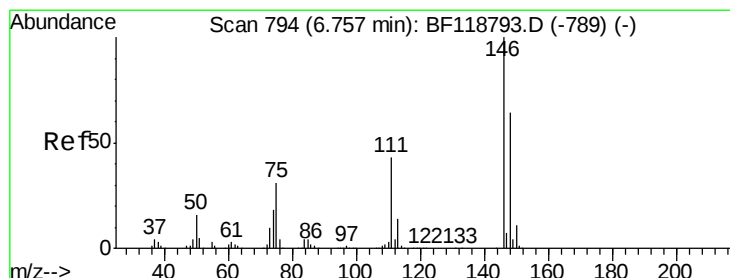
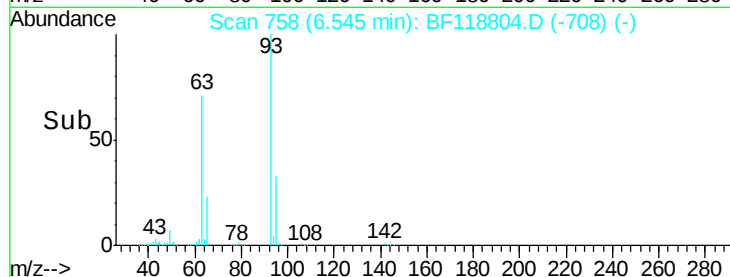
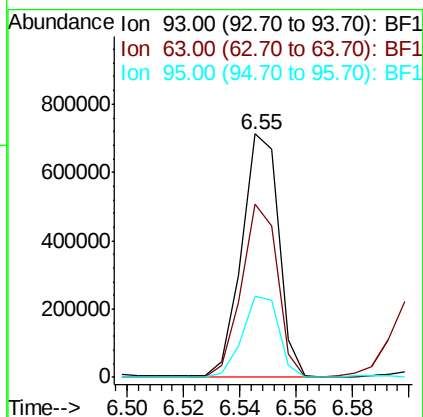
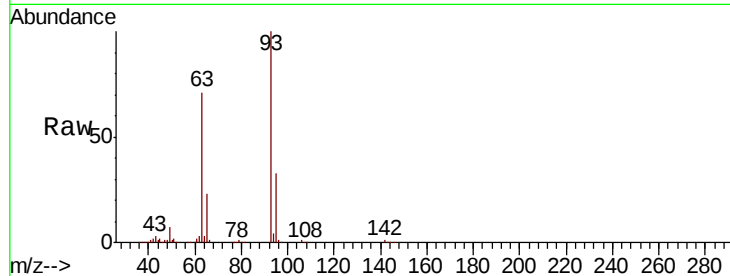
#11  
bis(2-Chloroethyl)ether  
Concen: 48.506 ng  
RT: 6.55 min Scan# 758  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 647531 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 71.0  | 50.7  | 90.7   |
| 95        | 33.3  | 12.6  | 52.6   |

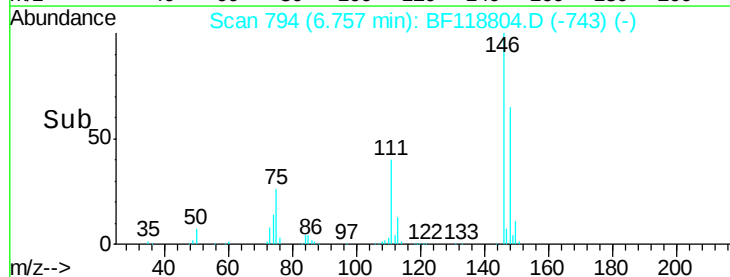
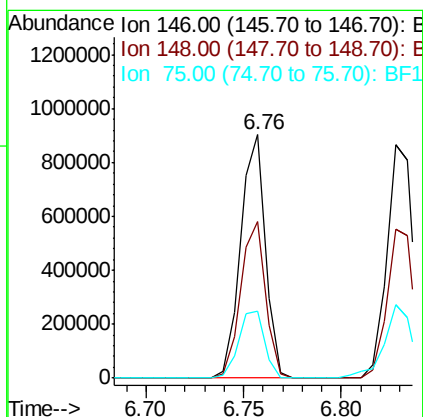
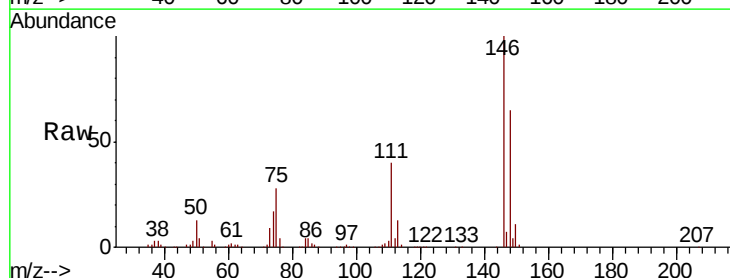
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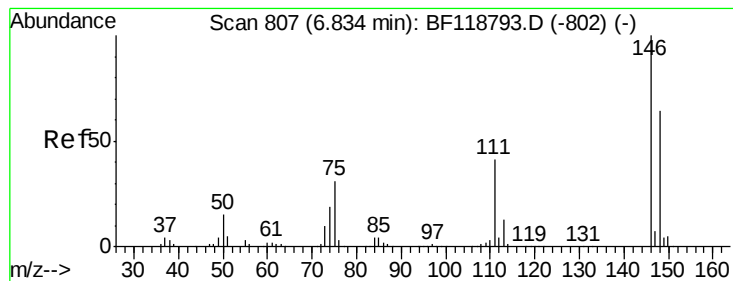
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 47.289 ng  
RT: 6.76 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 792566 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.5  | 51.1  | 76.7   |
| 75        | 27.6  | 25.0  | 37.4   |





#13

1,4-Dichlorobenzene

Concen: 48.357 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

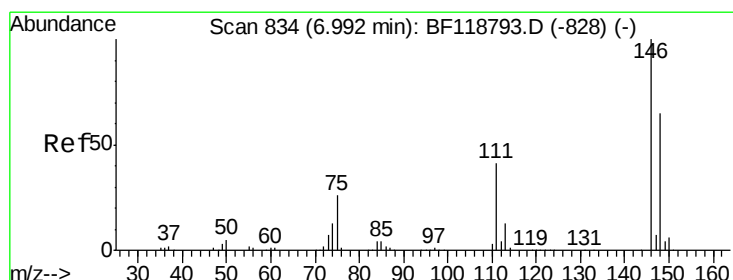
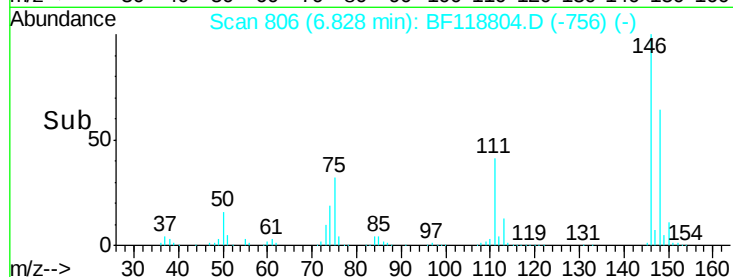
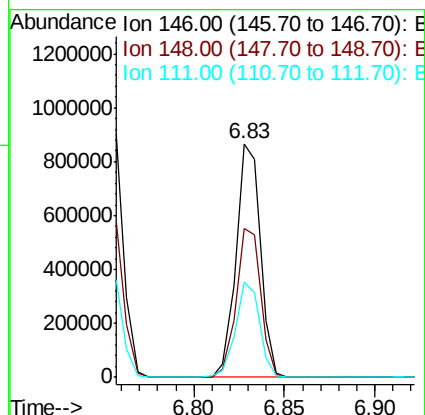
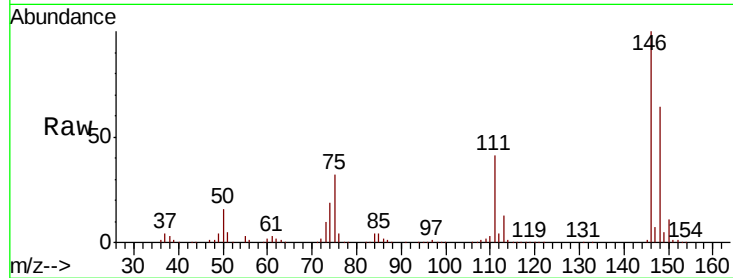
ClientSampleId :

PB126588BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 808432 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 51.6  | 77.4   |
| 111       | 41.0  | 32.9  | 49.3   |

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#14

1,2-Dichlorobenzene

Concen: 46.778 ng

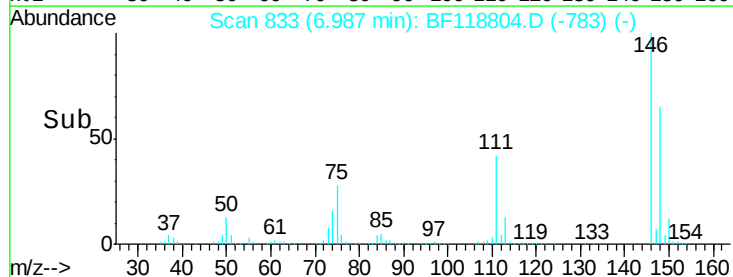
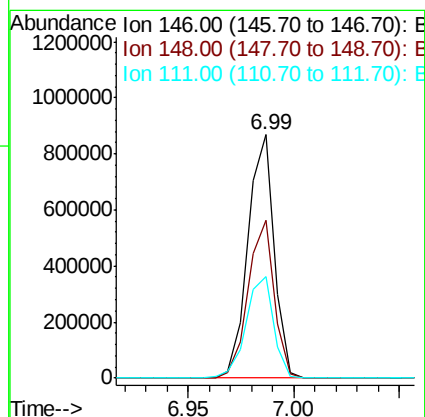
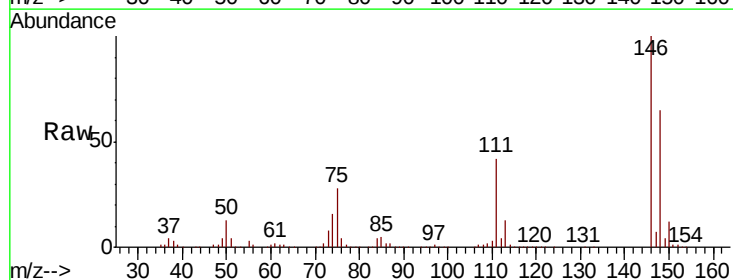
RT: 6.99 min Scan# 833

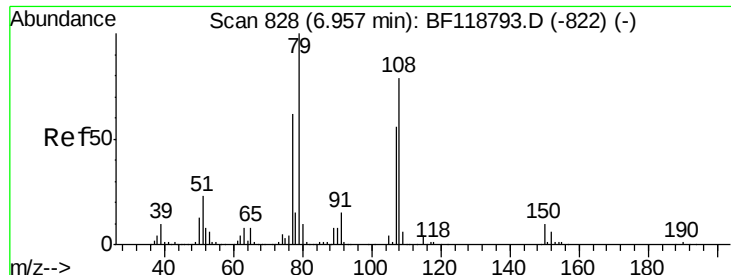
Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 747038 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.9  | 51.6  | 77.4   |
| 111       | 41.9  | 32.7  | 49.1   |





#15

Benzyl Alcohol

Concen: 50.783 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

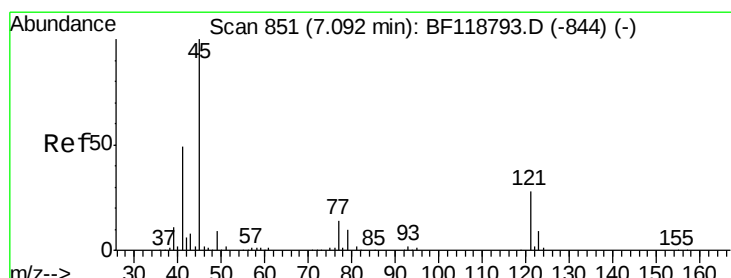
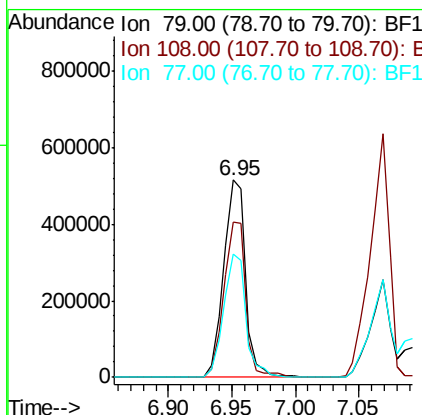
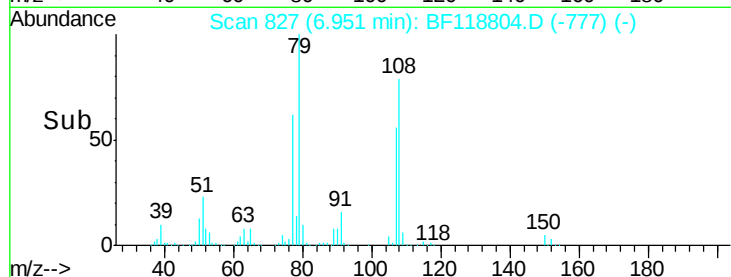
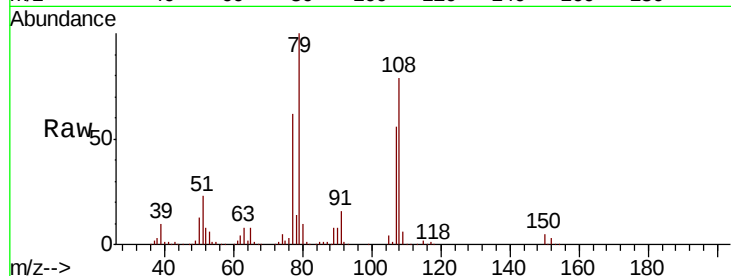
ClientSampleId :

PB126588BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 615984 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 78.9  | 62.9  | 94.3   |
| 77       | 62.5  | 50.0  | 75.0   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.412 ng

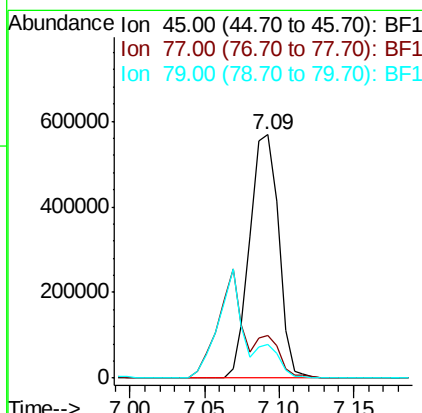
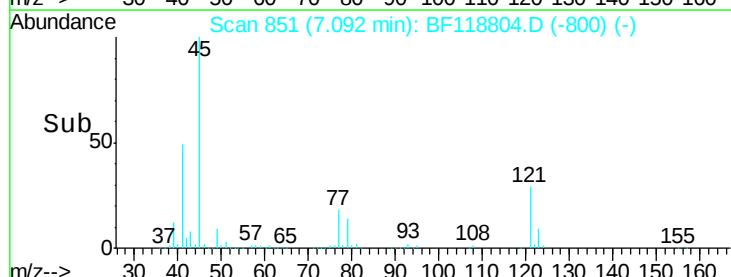
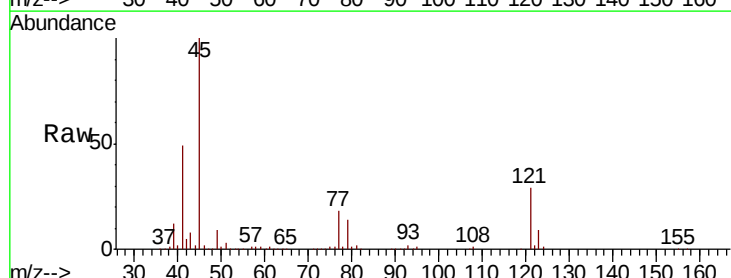
RT: 7.09 min Scan# 851

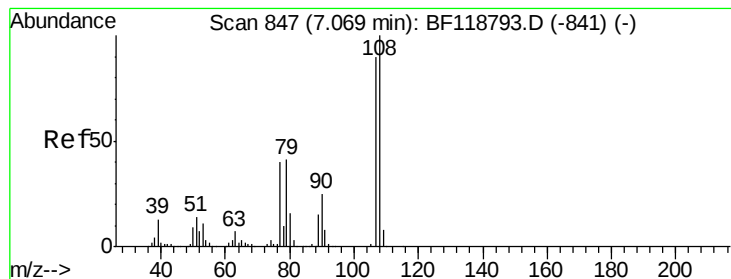
Delta R.T. -0.00 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 758736 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 17.6  | 0.0   | 37.1   |
| 79       | 13.8  | 0.0   | 33.1   |





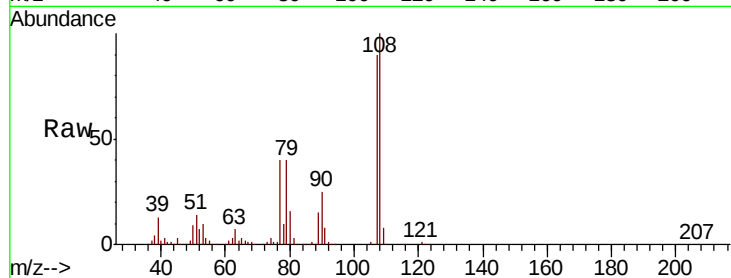
#17  
2-Methylphenol  
Concen: 50.371 ng  
RT: 7.07 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

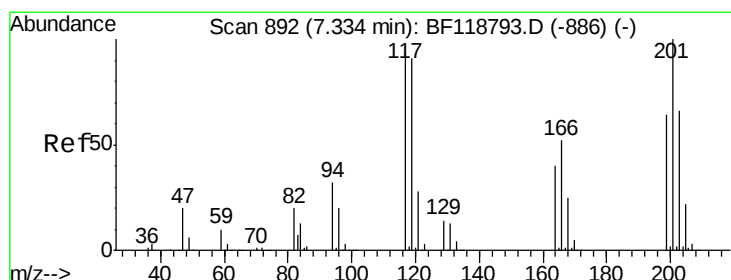
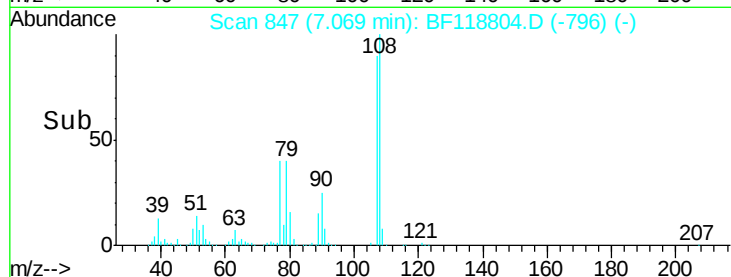
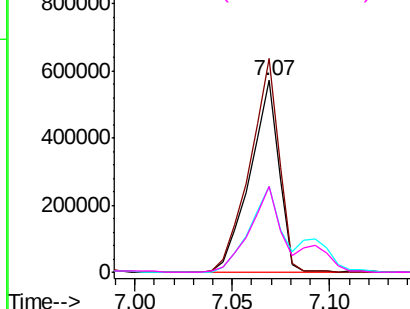
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.4 | 89.3 | 133.9 |       |
| 77      | 44.7  | 36.2 | 54.2  |       |
| 79      | 44.7  | 36.3 | 54.5  |       |

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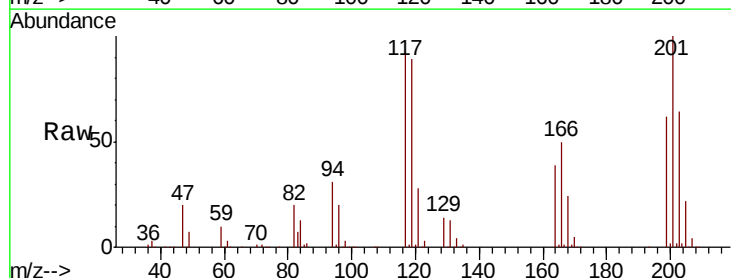


Abundance Ion 107.00 (106.70 to 107.70): E  
1000000  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

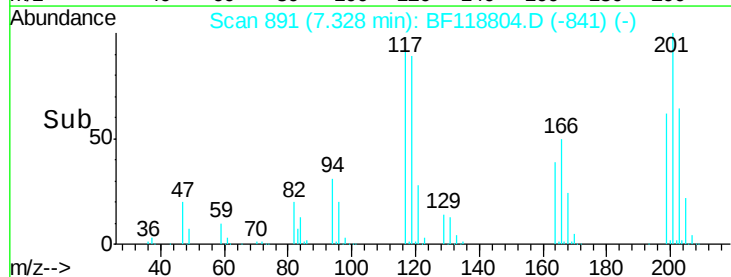
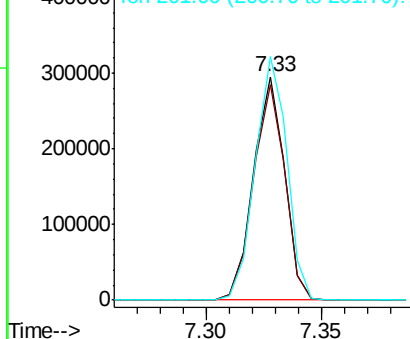


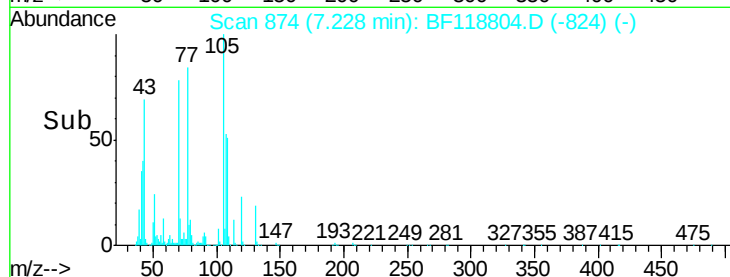
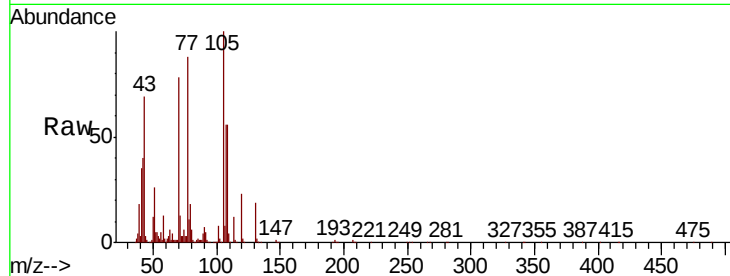
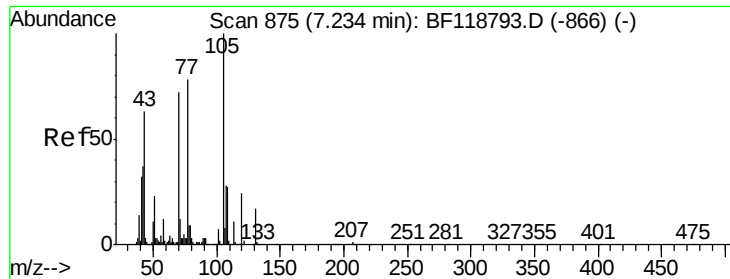
#18  
Hexachloroethane  
Concen: 46.249 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.5  | 77.4 | 116.0 |       |
| 201     | 108.8 | 85.1 | 127.7 |       |



Abundance Ion 117.00 (116.70 to 117.70): E  
400000  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





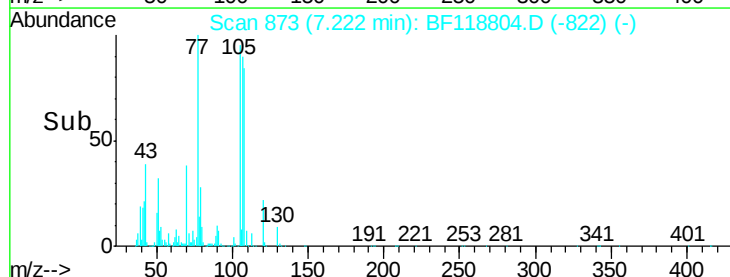
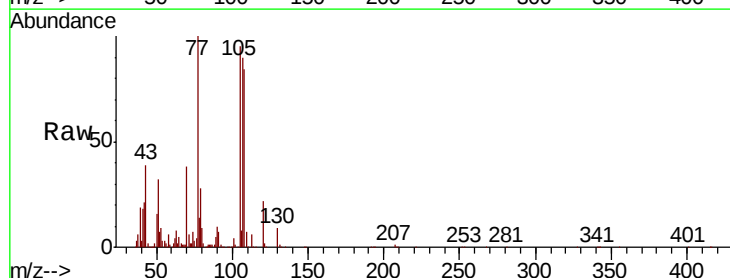
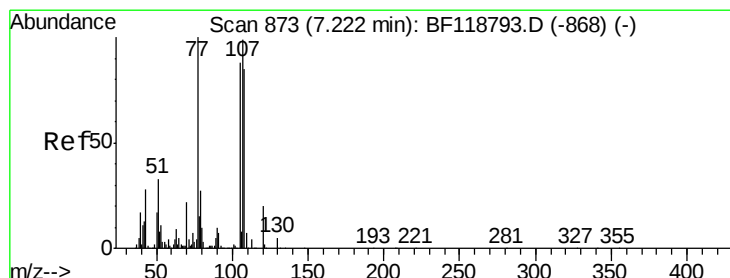
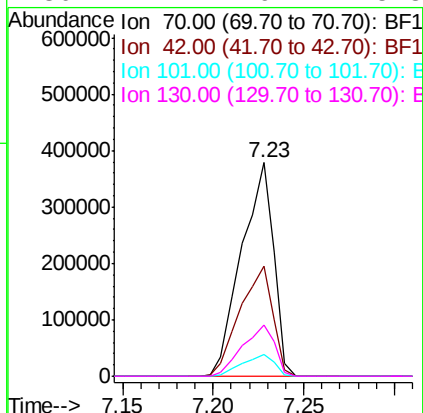
#19  
n-Nitroso-di-n-propylamine  
Concen: 48.623 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

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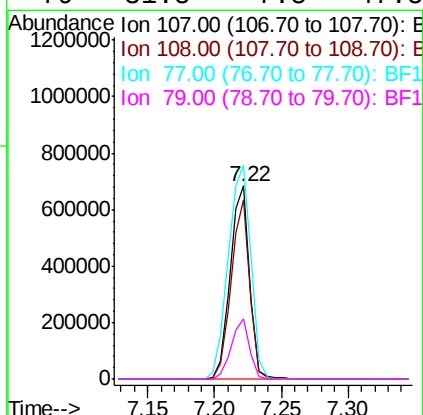
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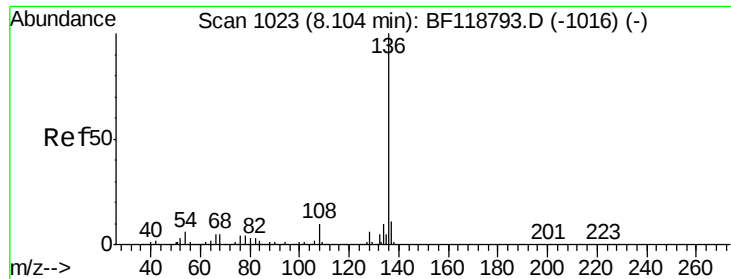
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 51.6  | 41.5  | 62.3  |
| 101     | 10.5  | 8.3   | 12.5  |
| 130     | 24.2  | 19.2  | 28.8  |



#20  
3+4-Methylphenols  
Concen: 47.494 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 92.9  | 65.9  | 105.9 |
| 77      | 110.7 | 80.9  | 120.9 |
| 79      | 31.5  | 7.5   | 47.5  |





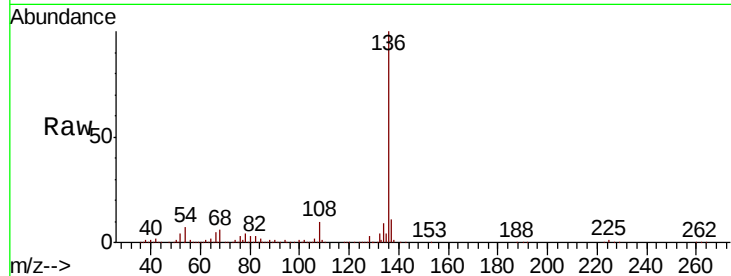
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

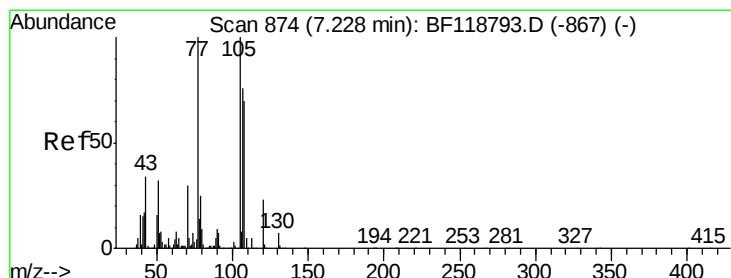
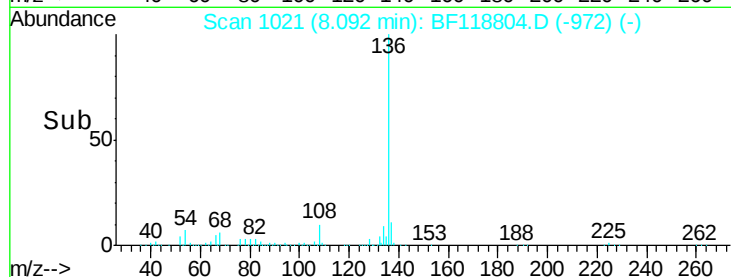
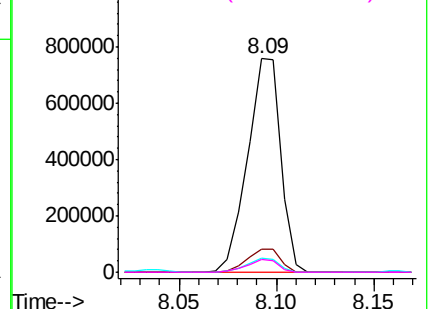
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 890694 |       |       |
| 137     | 11.0  | 8.7    | 13.1  |       |
| 54      | 6.7   | 5.0    | 7.6   |       |
| 68      | 5.8   | 4.2    | 6.4   |       |

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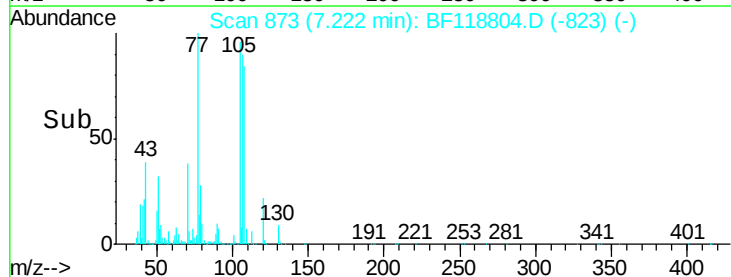
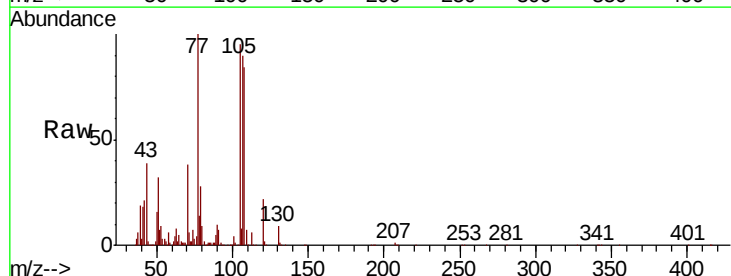
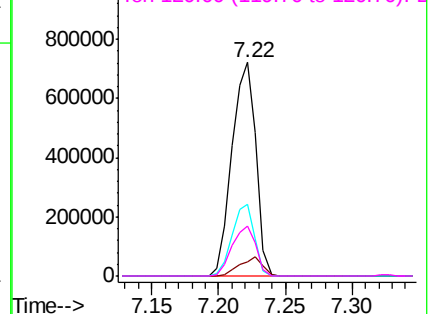
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

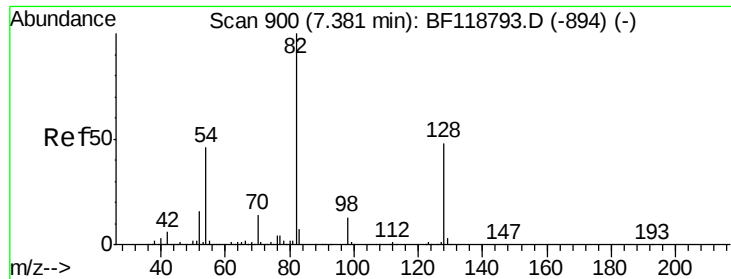


#22  
Acetophenone  
Concen: 47.167 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 912761 |       |       |
| 71      | 6.7   | 4.2    | 6.4#  |       |
| 51      | 33.7  | 25.5   | 38.3  |       |
| 120     | 23.5  | 18.6   | 28.0  |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E





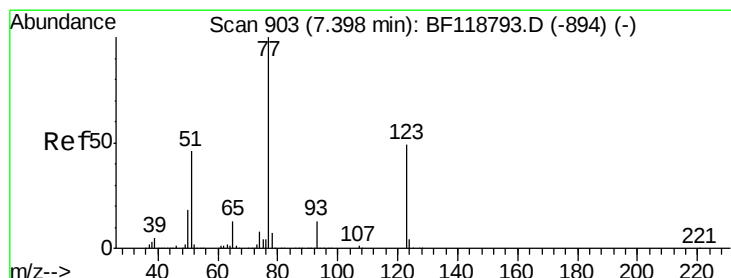
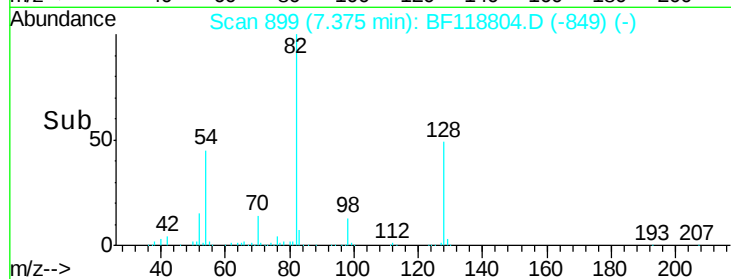
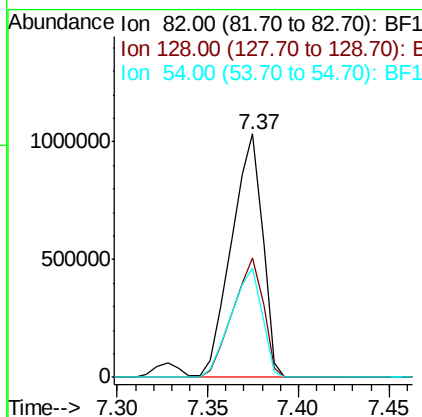
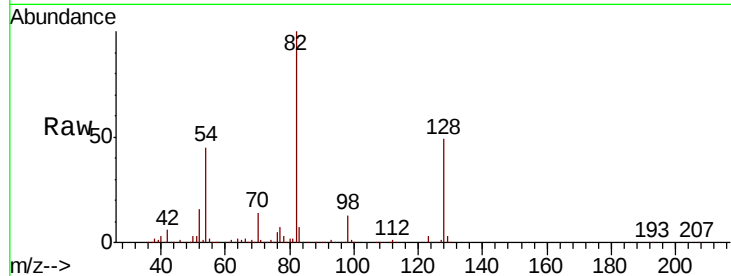
#23  
 Nitrobenzene-d5  
 Concen: 82.500 ng  
 RT: 7.37 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.9  | 38.5  | 57.7  |
| 54      | 44.6  | 36.7  | 55.1  |

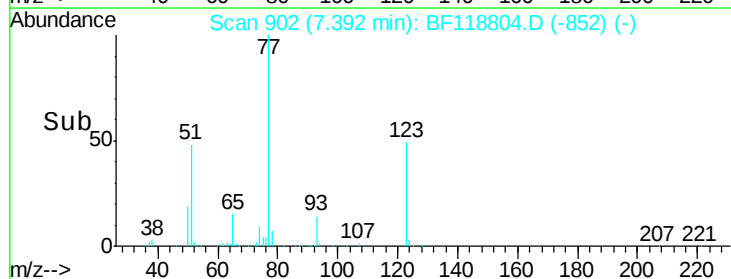
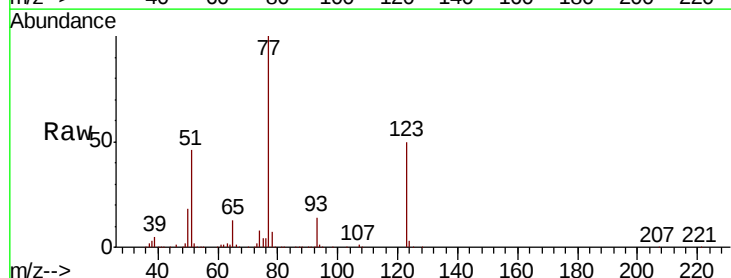
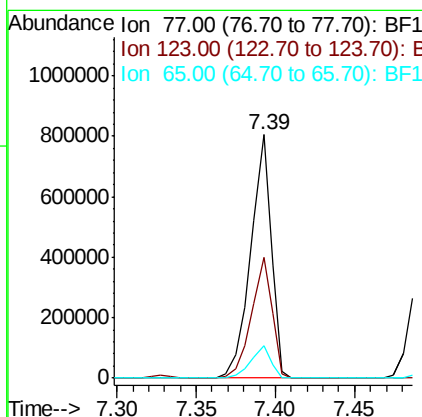
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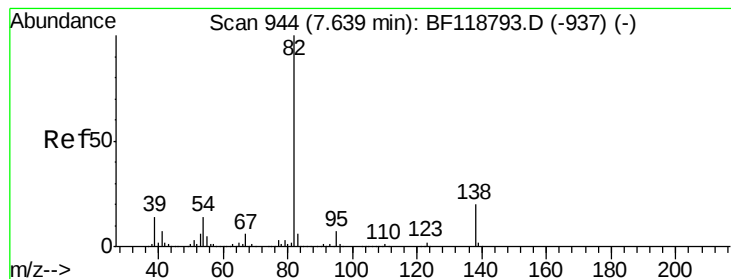
mohammad  
 2/6/2020 2:17:03 PM



#24  
 Nitrobenzene  
 Concen: 48.551 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.8  | 39.0  | 58.4  |
| 65      | 13.4  | 10.6  | 15.8  |





#25

Isophorone

Concen: 49.975 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion: 82 Resp: 1342129

Ion Ratio Lower Upper

82 100

95 7.6 6.0 9.0

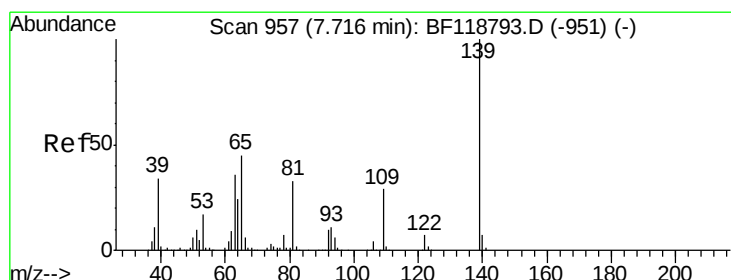
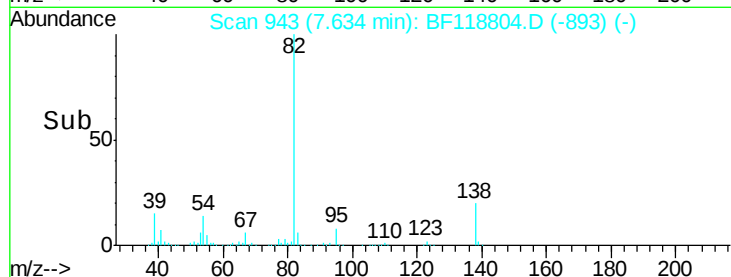
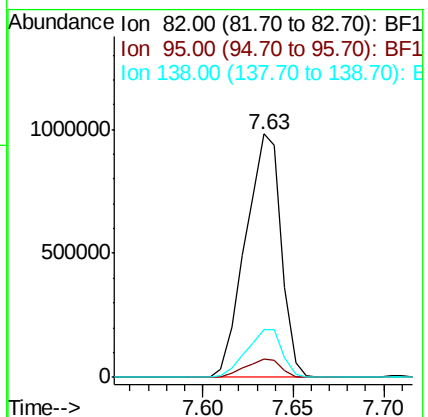
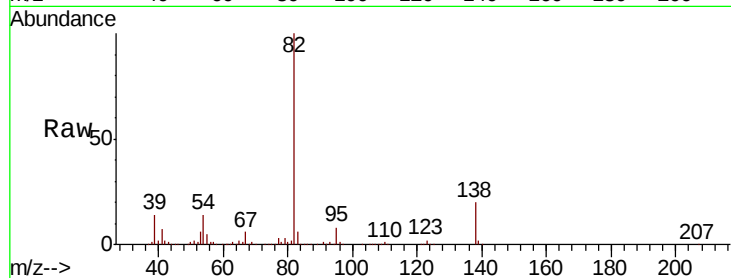
138 19.6 15.7 23.5

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#26

2-Nitrophenol

Concen: 50.101 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

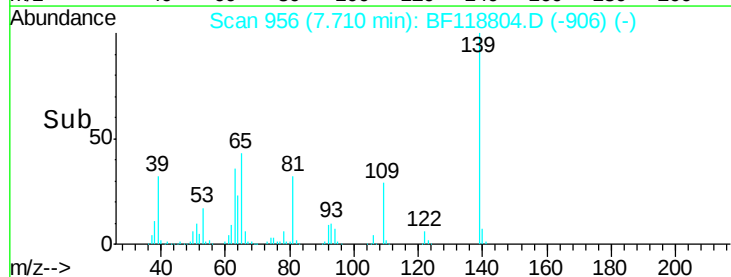
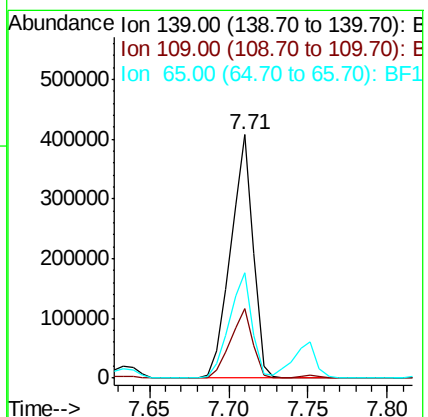
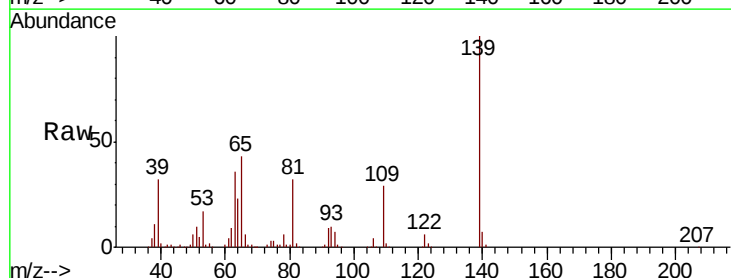
Tgt Ion: 139 Resp: 398538

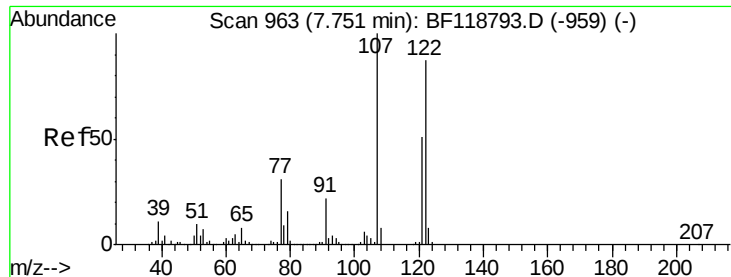
Ion Ratio Lower Upper

139 100

109 28.6 23.4 35.0

65 43.5 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 58.920 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

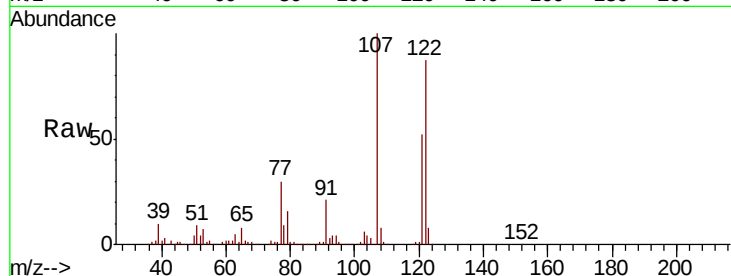
ClientSampleId :

PB126588BS

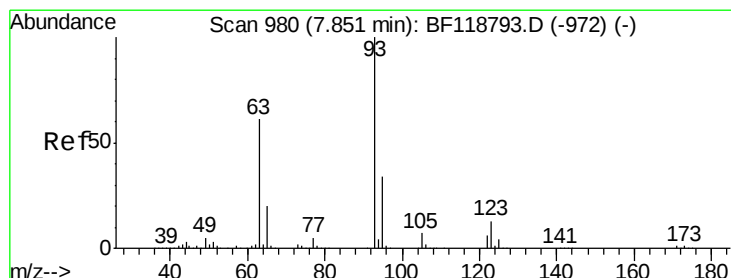
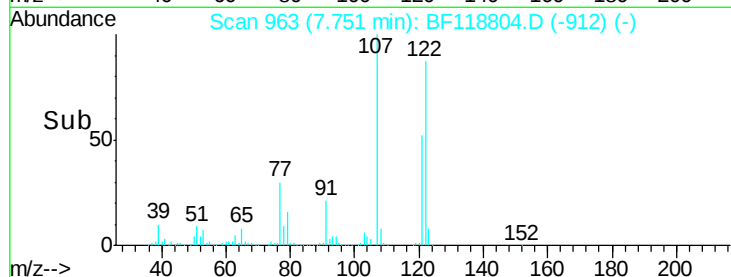
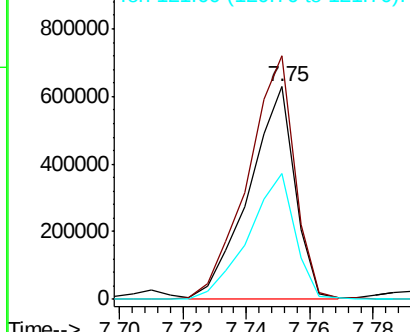
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 636676 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 114.6 | 92.2  | 138.2  |
| 121       | 59.1  | 46.8  | 70.2   |

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Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.478 ng

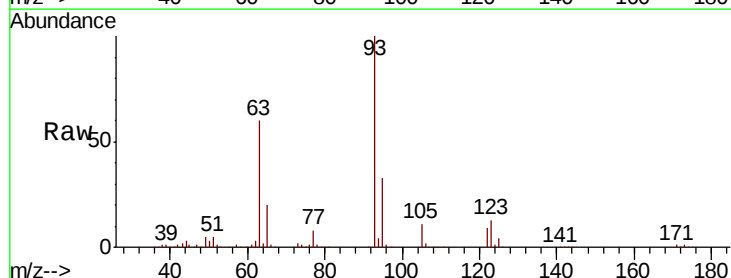
RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

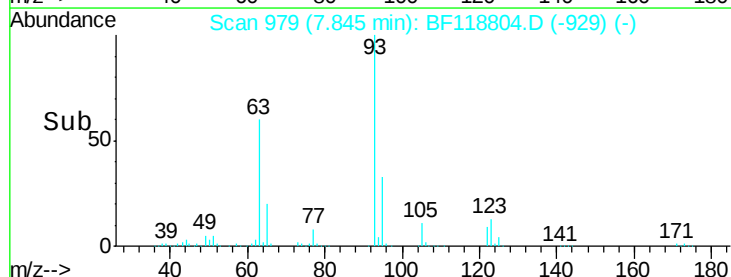
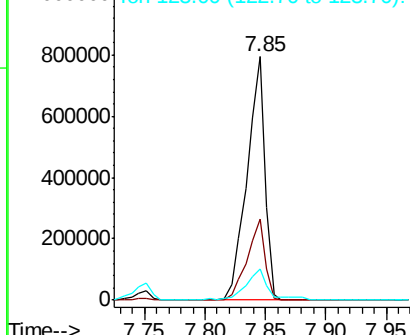
Lab File: BF118804.D

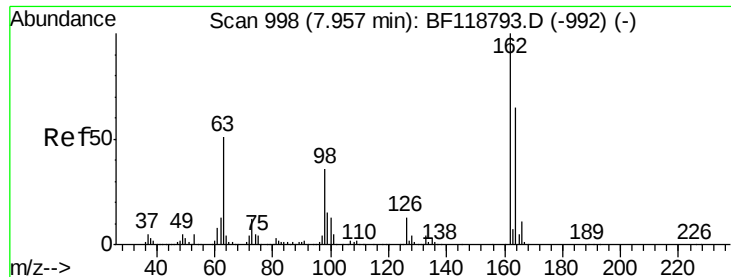
Acq: 4 Feb 2020 16:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 826822 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.3  | 27.0  | 40.4   |
| 123       | 12.9  | 10.6  | 15.8   |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 123.00 (122.70 to 123.70): E





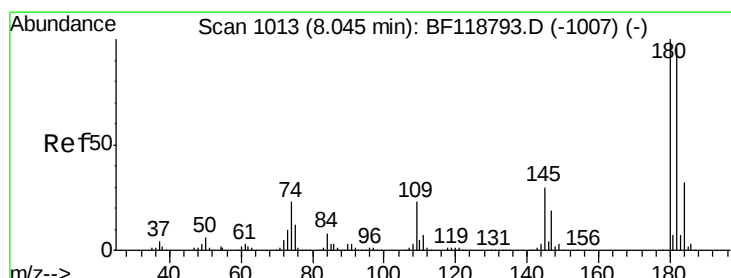
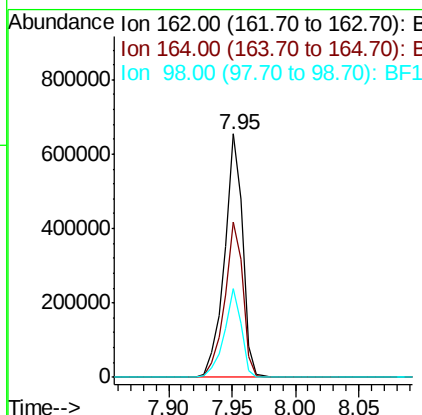
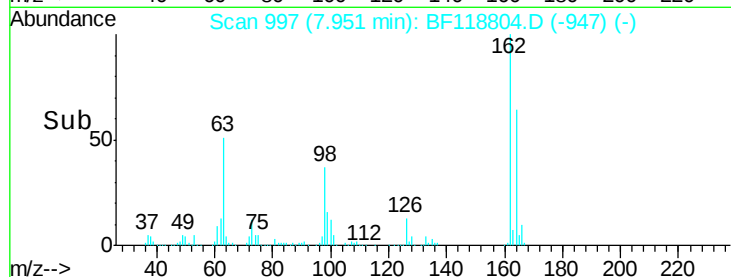
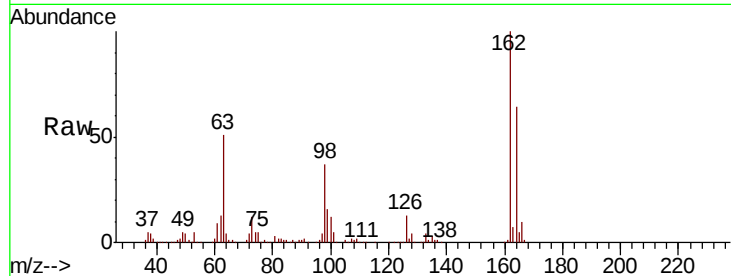
#29  
2,4-Dichlorophenol  
Concen: 49.967 ng  
RT: 7.95 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.0  | 44.8       | 84.8  |
| 98      | 36.7  | 16.4       | 56.4  |

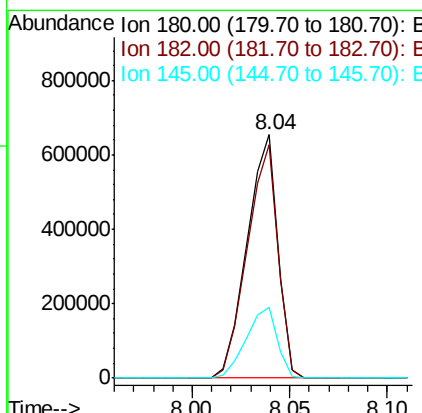
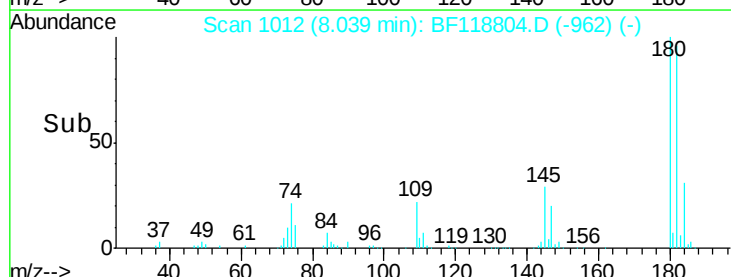
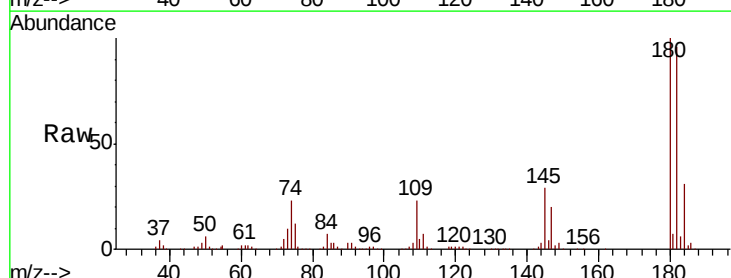
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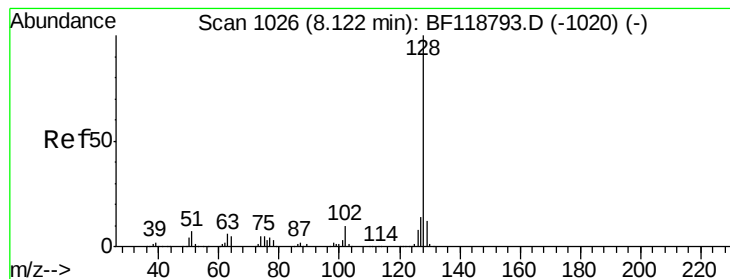
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#30  
1,2,4-Trichlorobenzene  
Concen: 47.058 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.9  | 76.6       | 115.0 |
| 145     | 29.2  | 24.0       | 36.0  |





#31

Naphthalene

Concen: 50.320 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion:128 Resp: 2049875

Ion Ratio Lower Upper

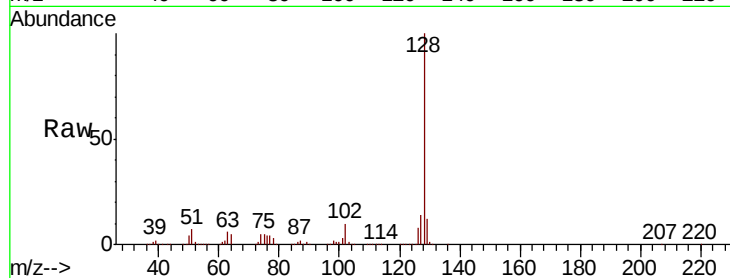
128 100

129 11.8 9.4 14.2

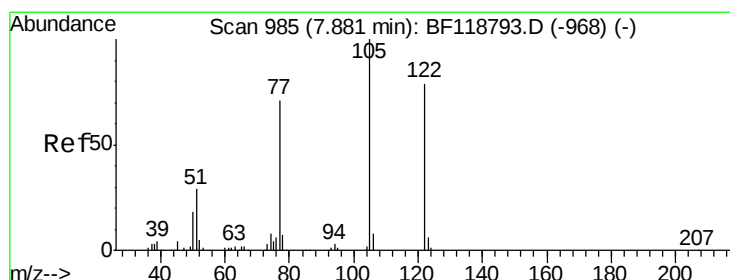
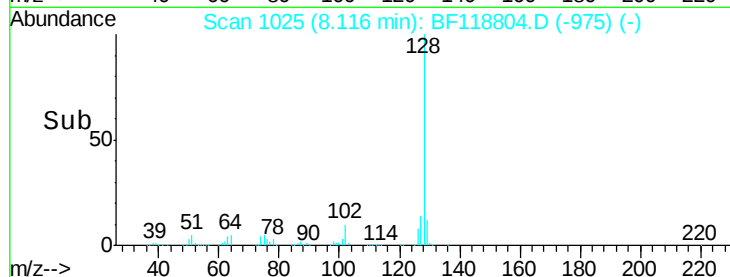
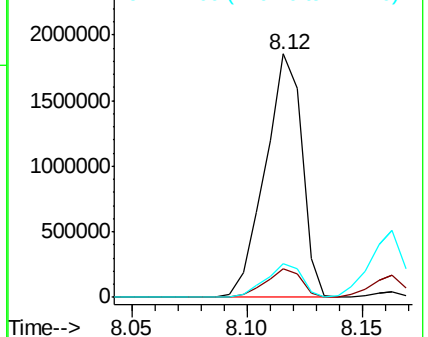
127 13.7 11.3 16.9

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Abundance Ion 128.00 (127.70 to 128.70): E  
2500000 Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.517 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

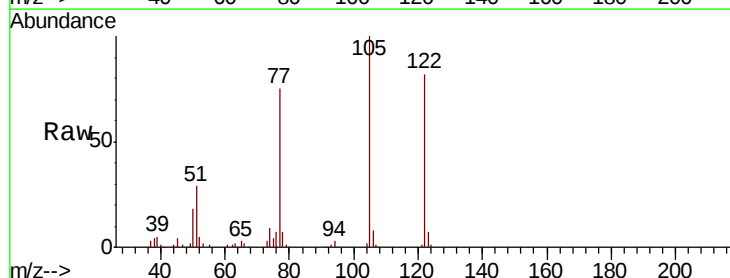
Tgt Ion:122 Resp: 434057

Ion Ratio Lower Upper

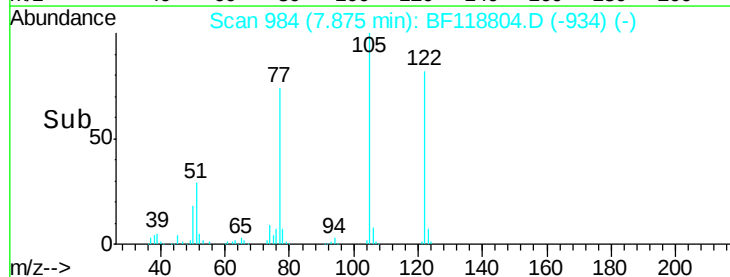
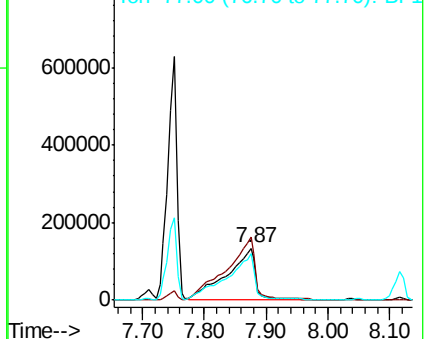
122 100

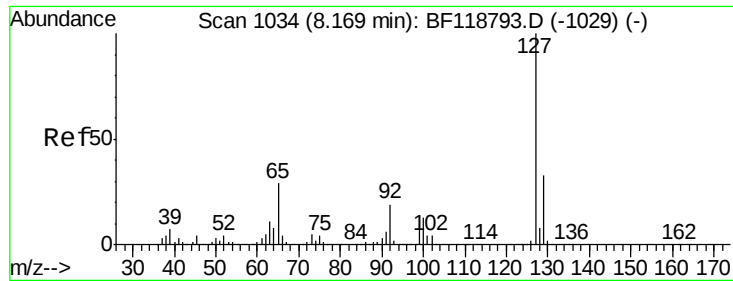
105 121.2 104.4 144.4

77 90.3 69.3 109.3



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





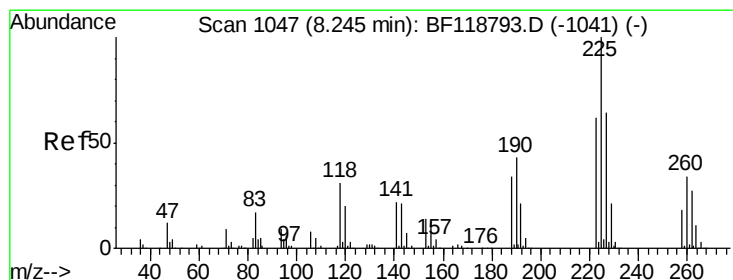
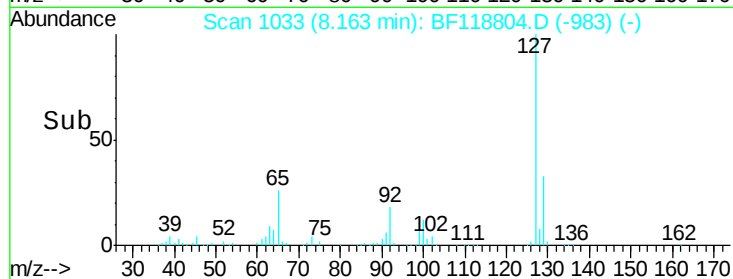
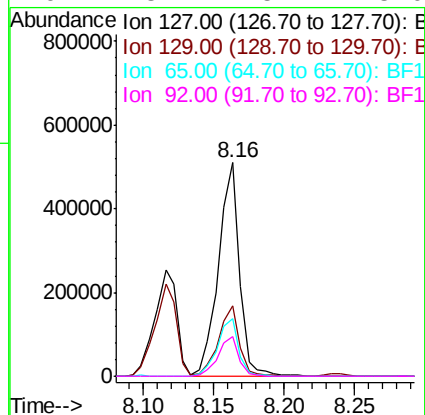
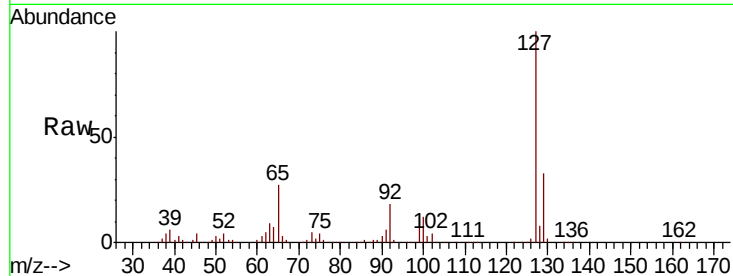
#33  
4-Chloroaniline  
Concen: 28.944 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 527510 |       |       |
| 129     | 32.8 | 26.7  | 40.1   |       |       |
| 65      | 27.2 | 22.9  | 34.3   |       |       |
| 92      | 18.4 | 15.4  | 23.0   |       |       |

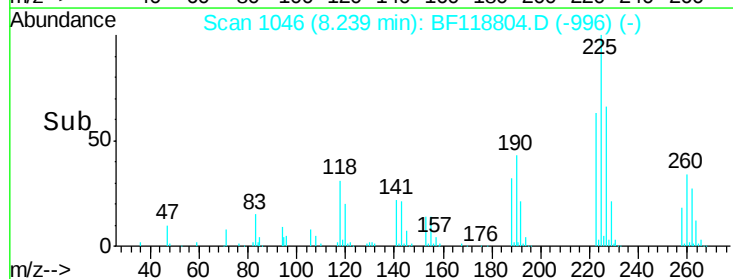
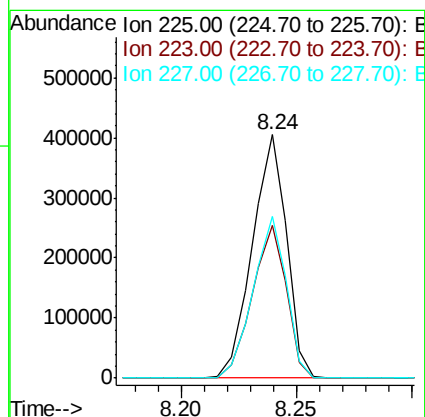
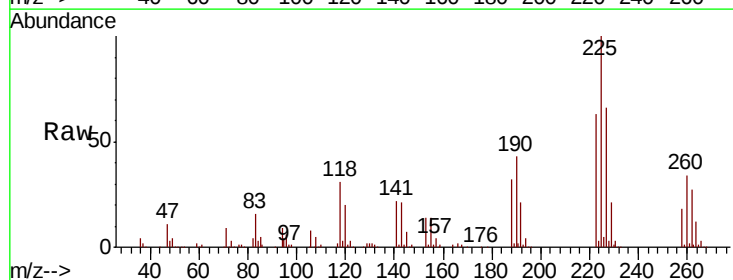
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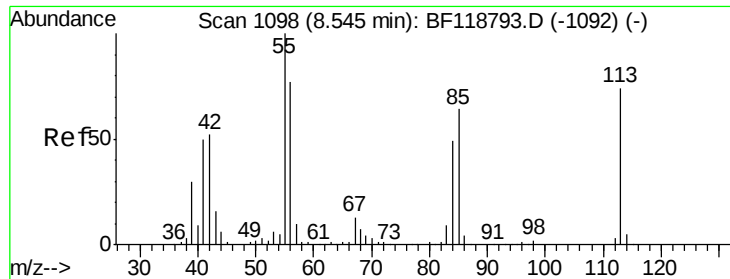
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#34  
Hexachlorobutadiene  
Concen: 45.254 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 419367 |       |       |
| 223     | 63.0 | 49.8  | 74.8   |       |       |
| 227     | 66.3 | 51.0  | 76.4   |       |       |





#35

Caprolactam

Concen: 48.515 ng/mL

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

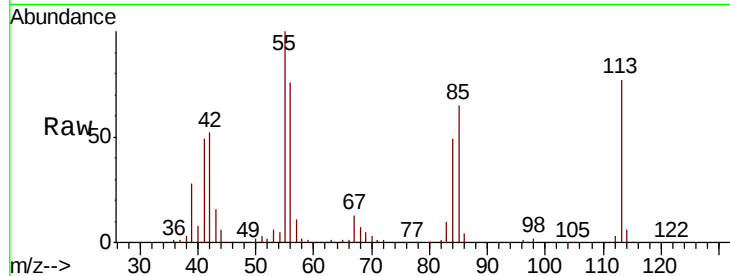
ClientSampleId :

PB126588BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 203526 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 129.4 | 115.5 | 155.5  |
| 56        | 98.3  | 83.7  | 123.7  |

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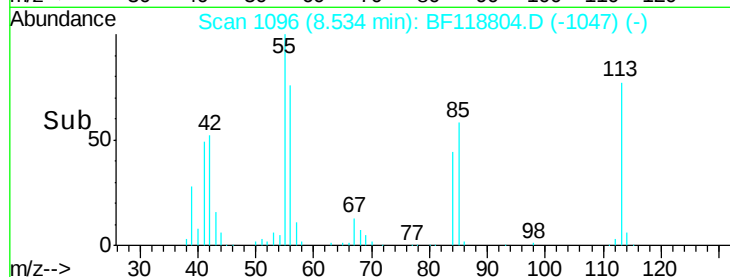


Abundance Ion 113.00 (112.70 to 113.70): E

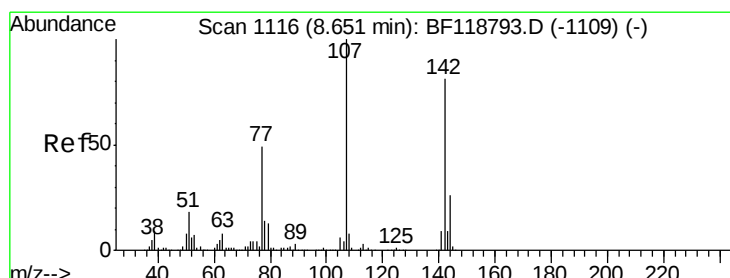
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

Time-->



Time-->



#36

4-Chloro-3-methylphenol

Concen: 51.093 ng/mL

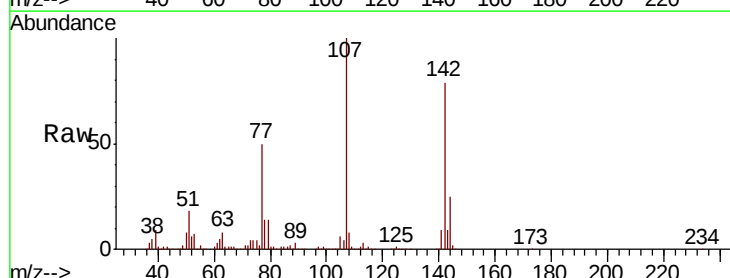
RT: 8.65 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 665384 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 25.5  | 21.0  | 31.6   |
| 142       | 78.9  | 64.8  | 97.2   |

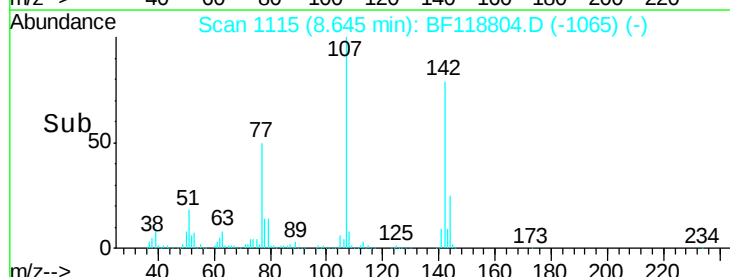


Abundance Ion 107.00 (106.70 to 107.70): E

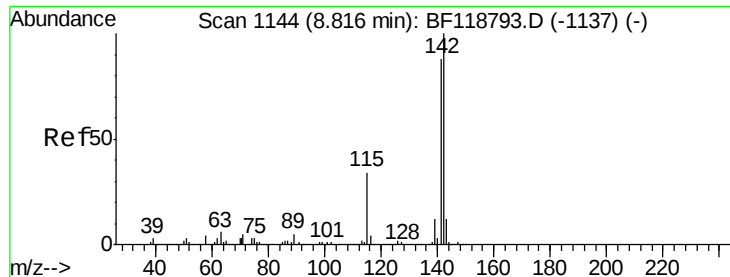
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

Time-->



Time-->



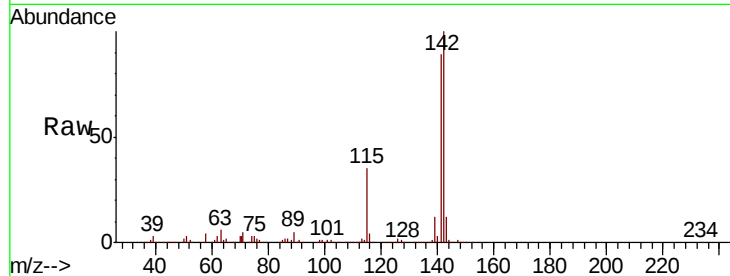
#37  
2-Methylnaphthalene  
Concen: 50.816 ng  
RT: 8.81 min Scan# 1143  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 70.1  | 105.1 |
| 115     | 34.6  | 27.3  | 40.9  |

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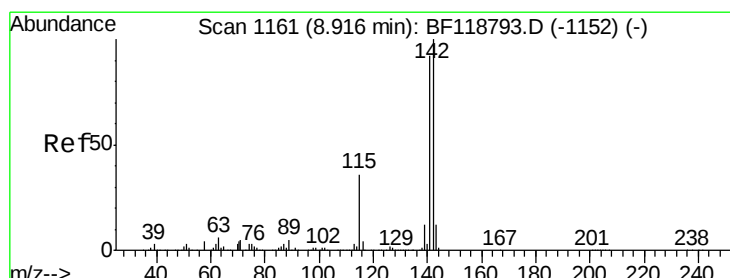
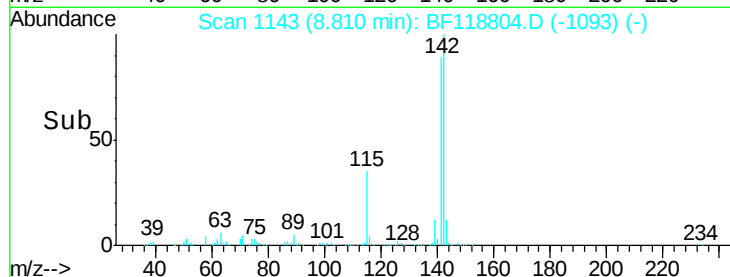
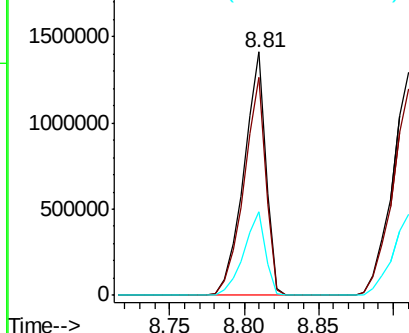


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 50.743 ng  
RT: 8.91 min Scan# 1160  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

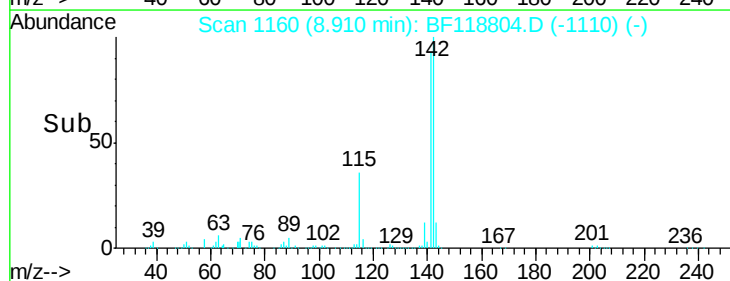
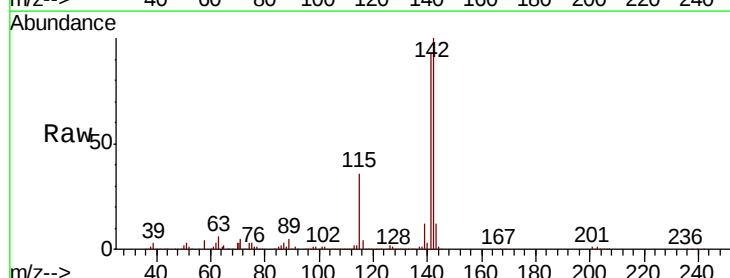
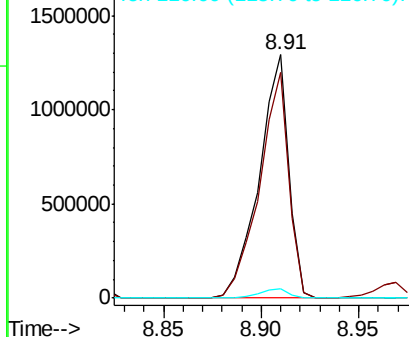
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 73.8  | 110.6 |
| 116     | 3.9   | 3.0   | 4.4   |

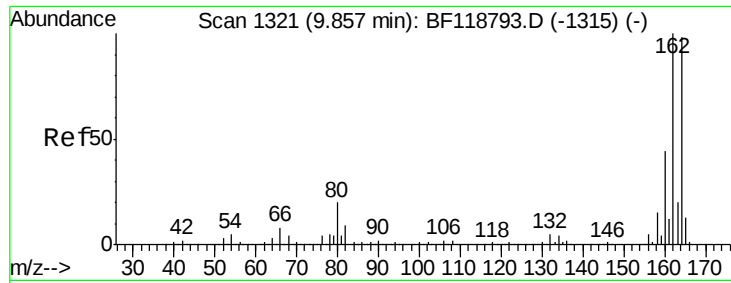
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





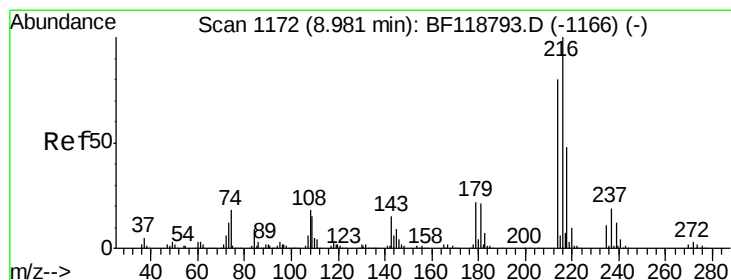
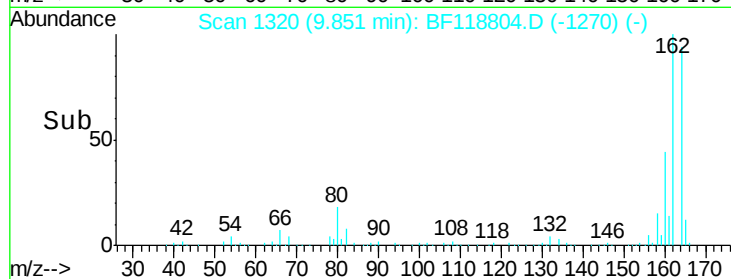
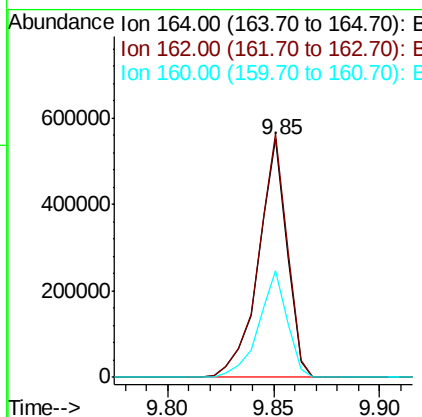
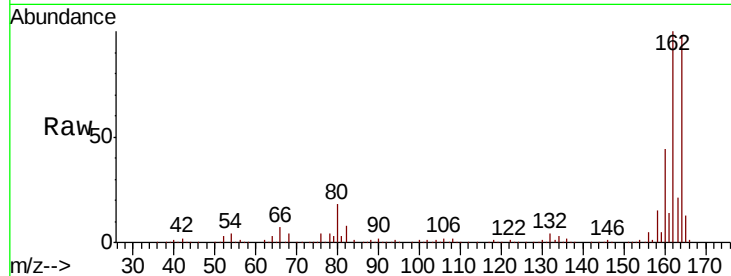
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.3 | 81.4 | 122.2 |       |
| 160     | 45.0  | 35.6 | 53.4  |       |

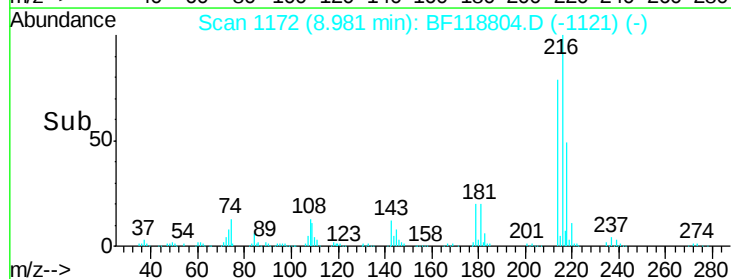
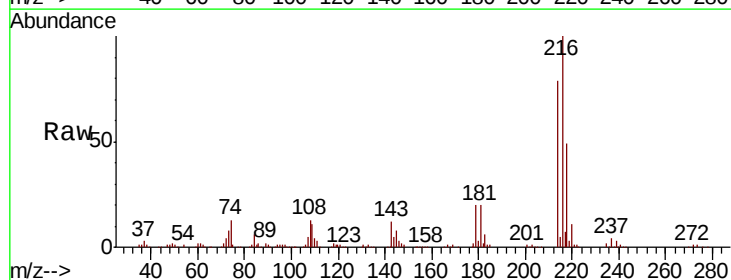
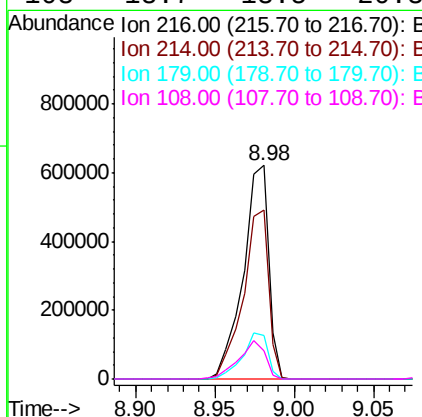
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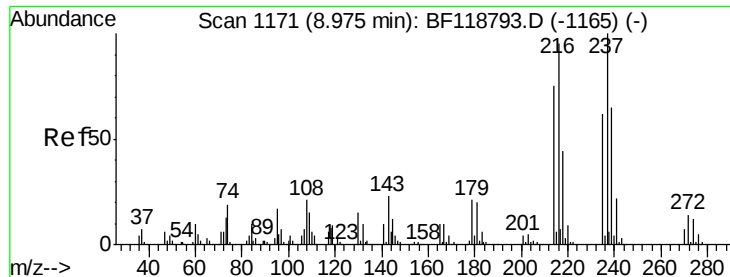
mohammad  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.031 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.8  | 63.0 | 94.4  |       |
| 179     | 21.3  | 17.0 | 25.6  |       |
| 108     | 18.7  | 13.5 | 20.3  |       |





#41

Hexachlorocyclopentadiene

Concen: 122.119 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

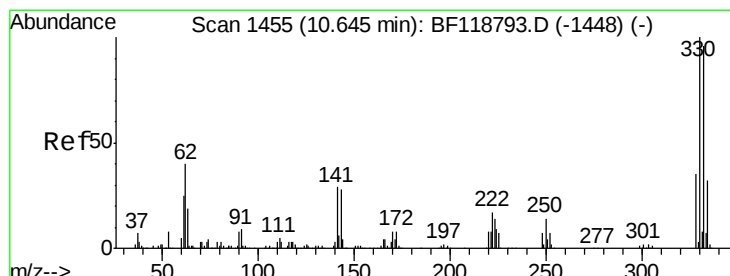
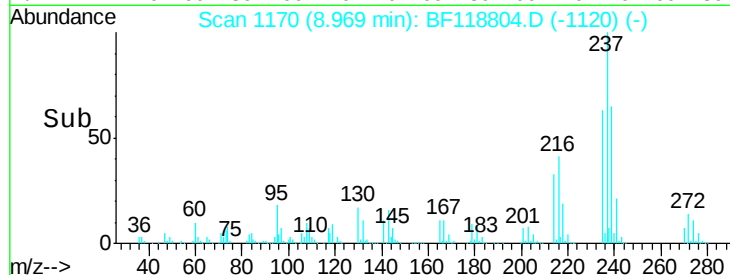
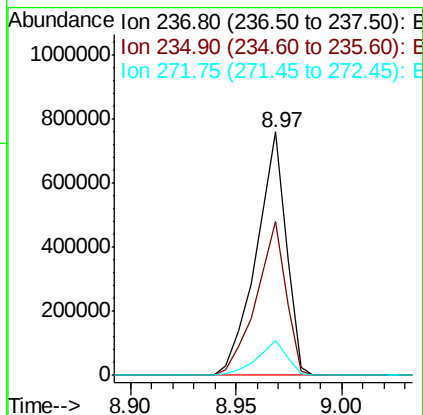
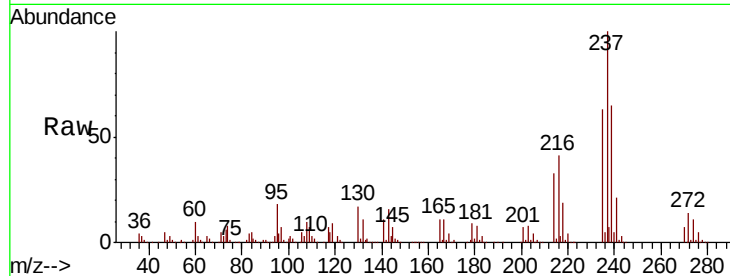
ClientSampleId :

PB126588BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 751886 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.4  | 42.1  | 82.1   |
| 272       | 14.4  | 0.0   | 34.4   |

Manual Integrations  
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#42

2,4,6-Tribromophenol

Concen: 89.251 ng

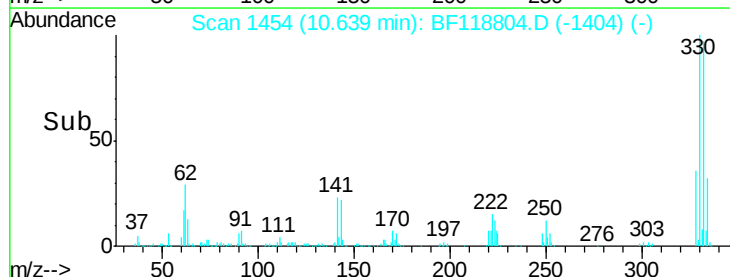
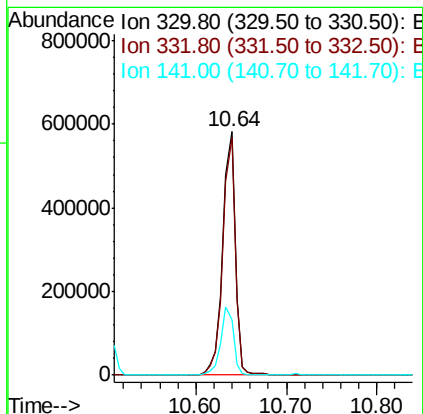
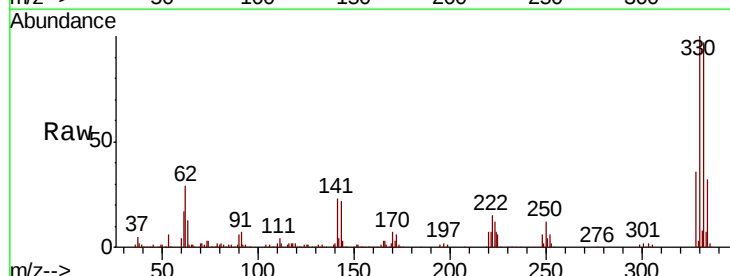
RT: 10.64 min Scan# 1454

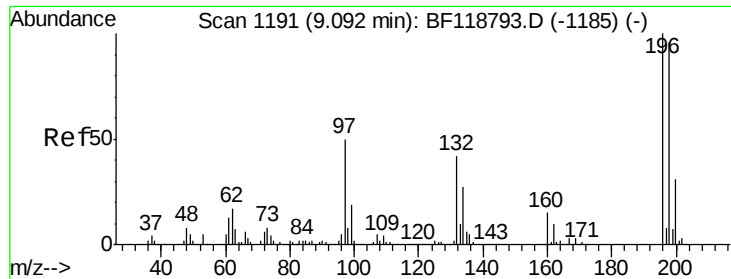
Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 555599 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.6  | 77.3  | 115.9  |
| 141       | 28.2  | 22.4  | 33.6   |





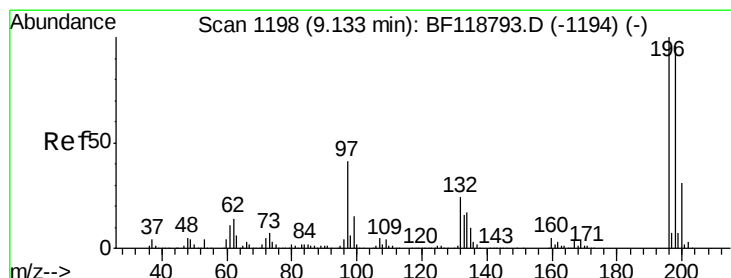
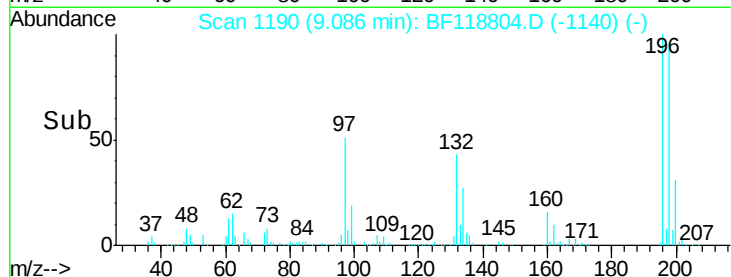
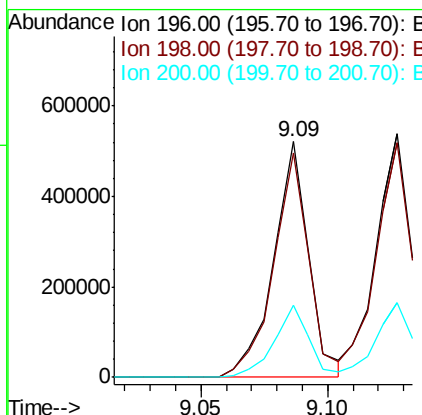
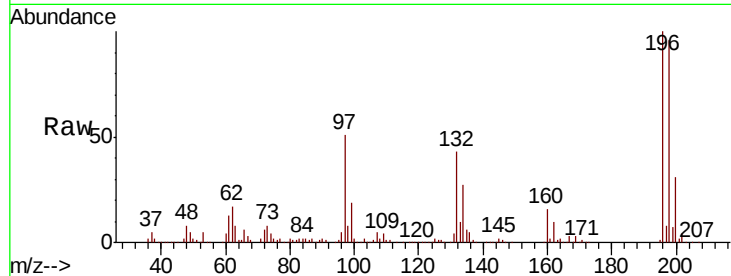
#43  
 2,4,6-Trichlorophenol  
 Concen: 48.127 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 505333 |       |       |
| 198     | 95.6  | 76.7   | 115.1 |       |
| 200     | 30.8  | 24.9   | 37.3  |       |

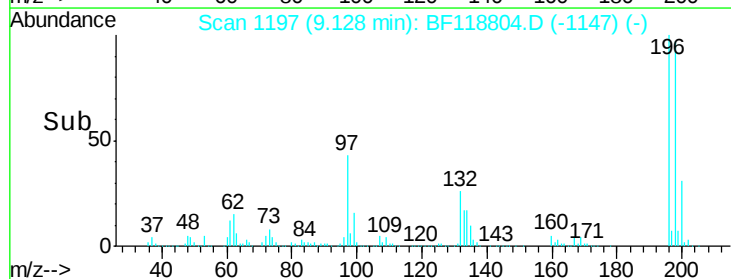
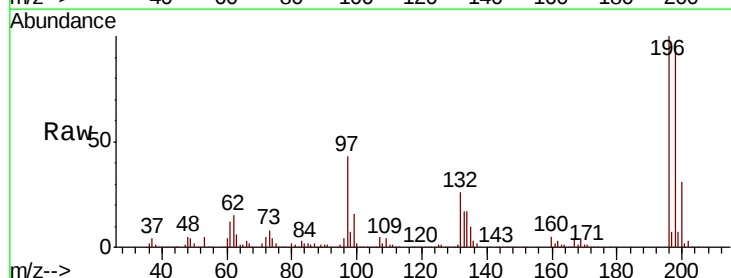
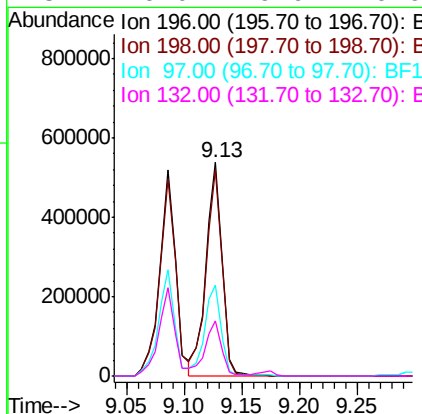
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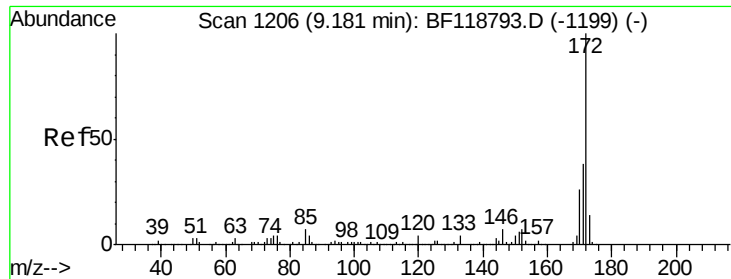
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#44  
 2,4,5-Trichlorophenol  
 Concen: 48.650 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 521942 |       |       |
| 198     | 96.6  | 77.0   | 115.4 |       |
| 97      | 42.8  | 32.9   | 49.3  |       |
| 132     | 26.0  | 19.9   | 29.9  |       |





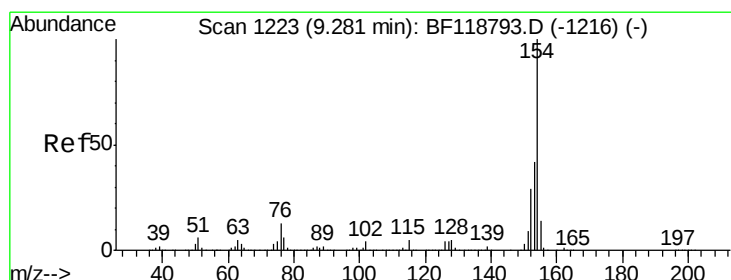
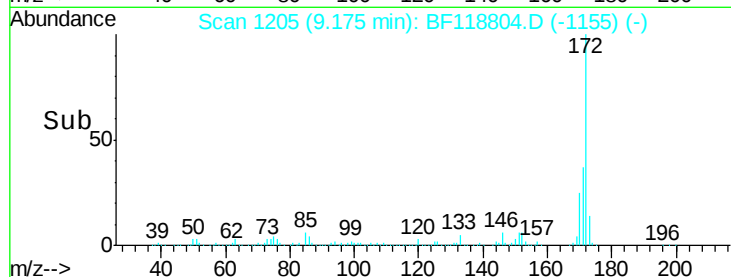
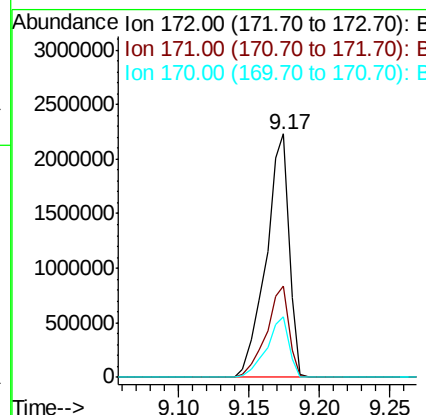
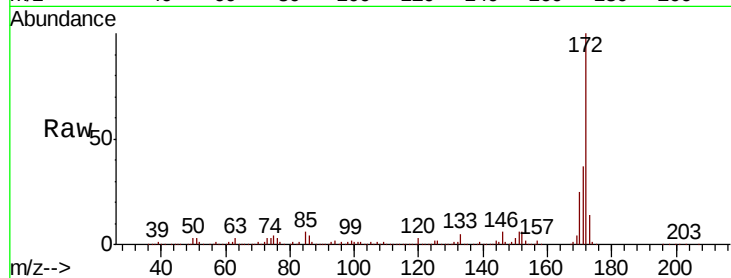
#45  
2-Fluorobiphenyl  
Concen: 88.310 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 30.8  | 46.2  |
| 170     | 24.8  | 20.5  | 30.7  |

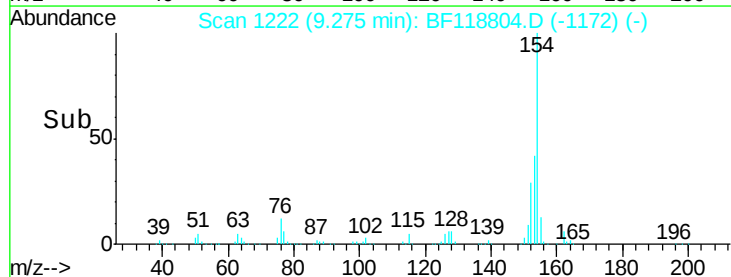
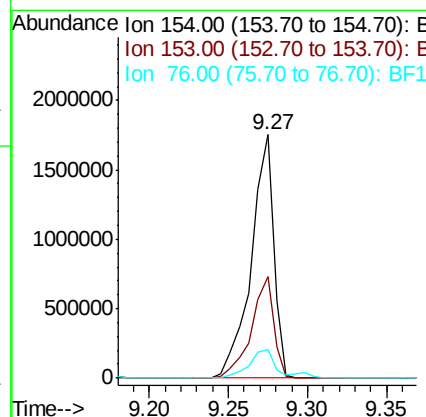
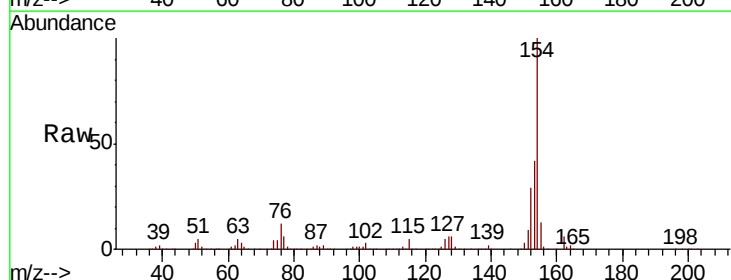
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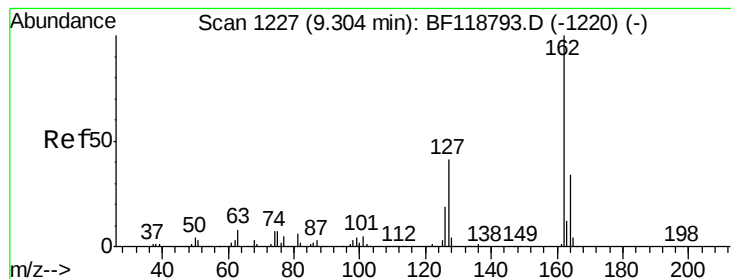
mohammad  
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#46  
1,1'-Biphenyl  
Concen: 47.887 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 22.4  | 62.4  |
| 76      | 12.0  | 0.0   | 32.7  |





#47

2-Chloronaphthalene

Concen: 46.751 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion: 162 Resp: 1398741

Ion Ratio Lower Upper

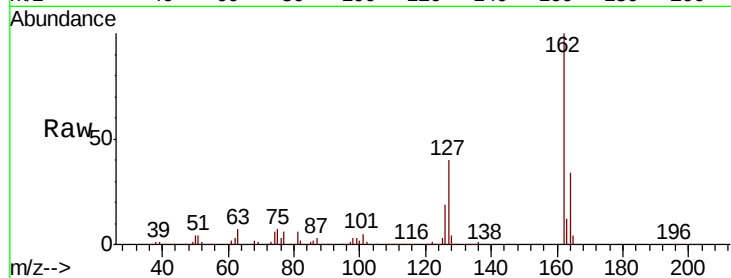
162 100

127 40.0 33.3 49.9

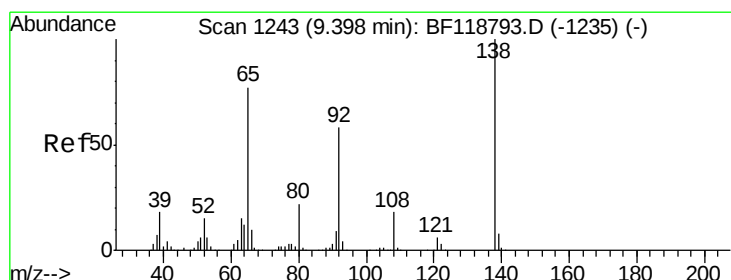
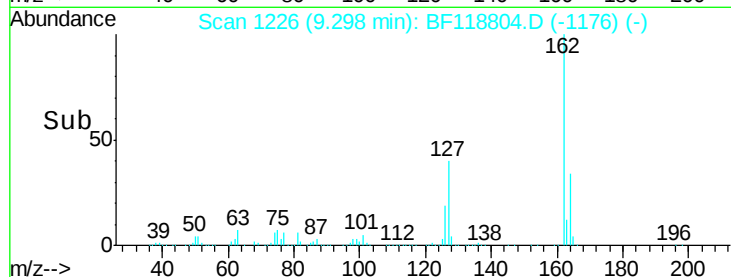
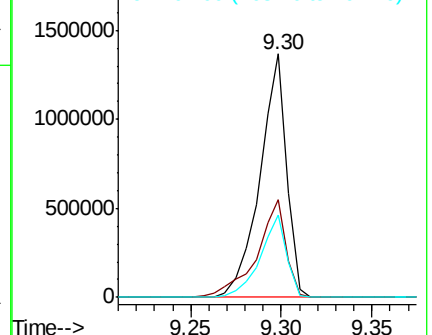
164 33.6 27.1 40.7

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



#48

2-Nitroaniline

Concen: 45.993 ng

RT: 9.39 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

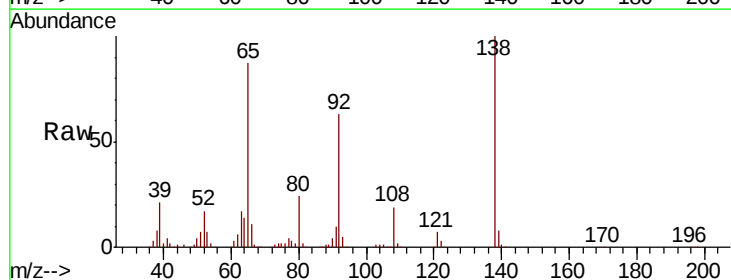
Tgt Ion: 65 Resp: 396881

Ion Ratio Lower Upper

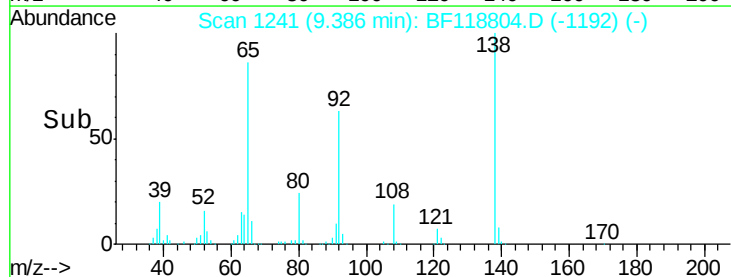
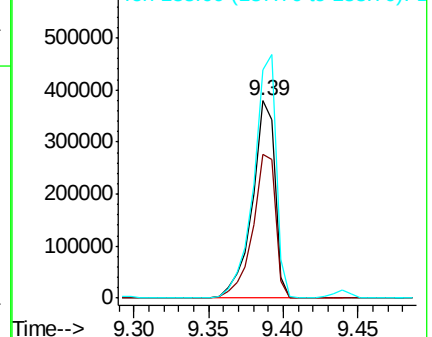
65 100

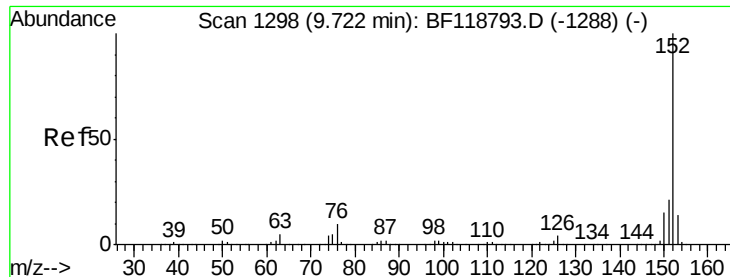
92 72.8 60.6 91.0

138 115.5 104.6 156.8



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





#49

Acenaphthylene

Concen: 50.130 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion:152 Resp: 2165549

Ion Ratio Lower Upper

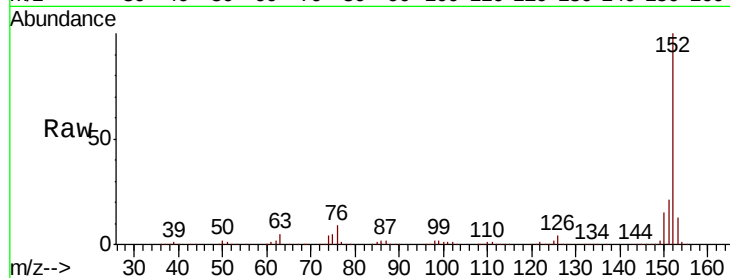
152 100

151 20.9 17.1 25.7

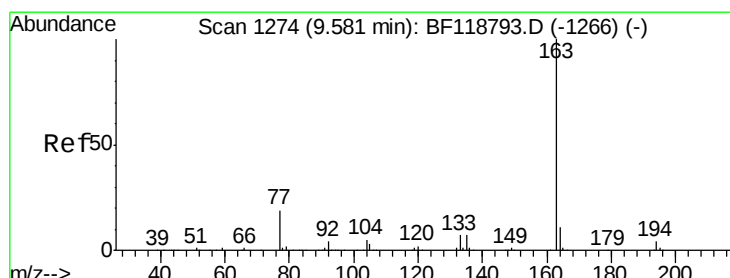
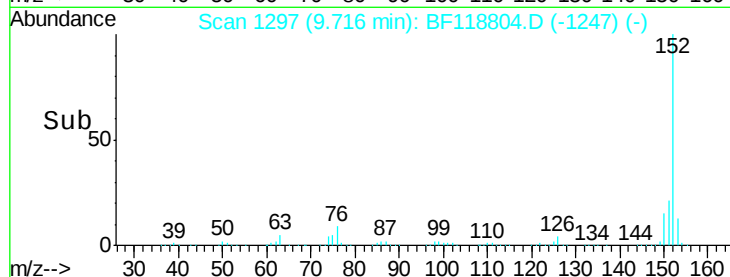
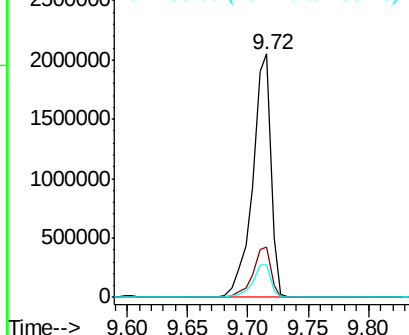
153 13.4 11.0 16.4

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



#50

Dimethylphthalate

Concen: 47.468 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

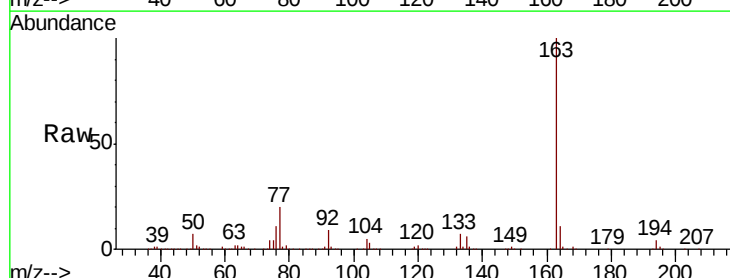
Tgt Ion:163 Resp: 1681556

Ion Ratio Lower Upper

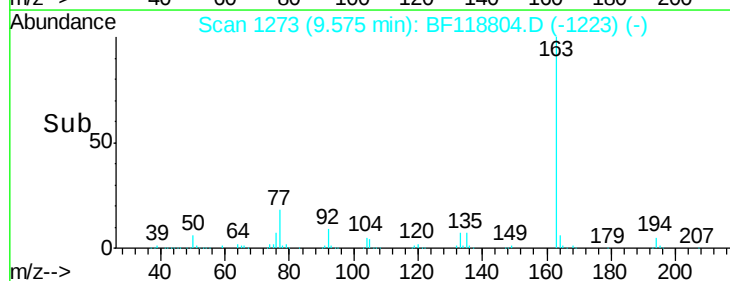
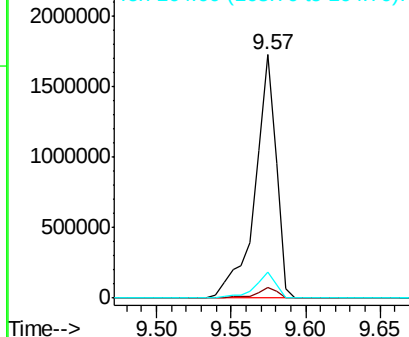
163 100

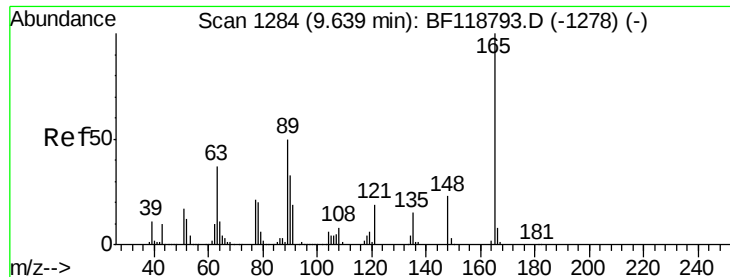
194 4.5 3.6 5.4

164 10.7 8.7 13.1



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





#51

2,6-Dinitrotoluene

Concen: 48.729 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

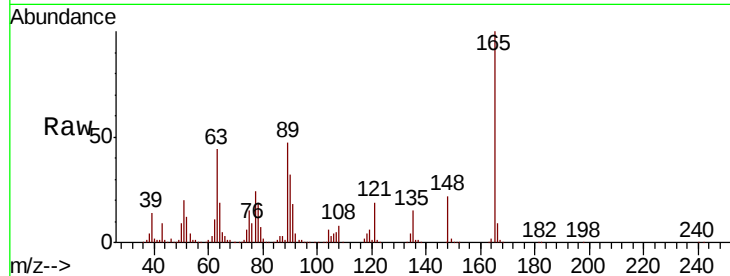
ClientSampled :

PB126588BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 394976 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 43.9  | 37.4  | 56.0   |
| 89        | 47.4  | 39.7  | 59.5   |

Manual Integrations  
APPROVED

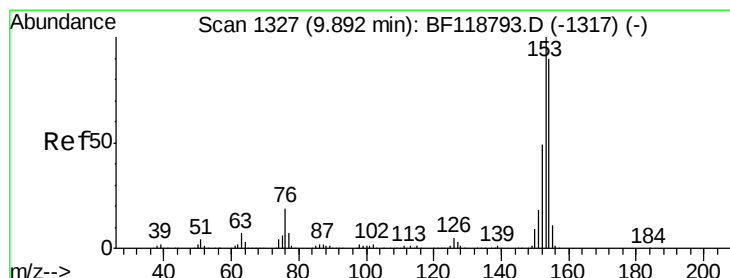
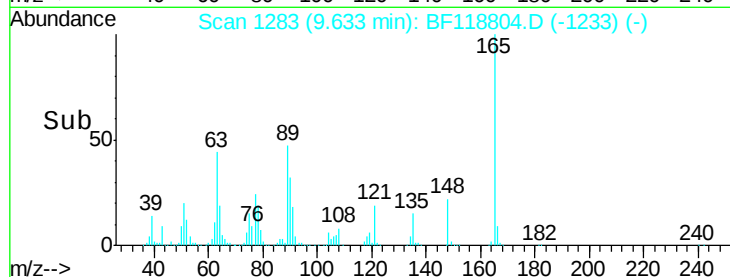
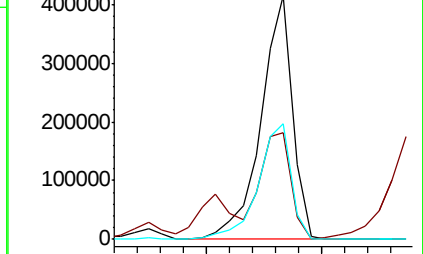
mohammad  
2/6/2020 2:17:03 PM



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: 51.746 ng

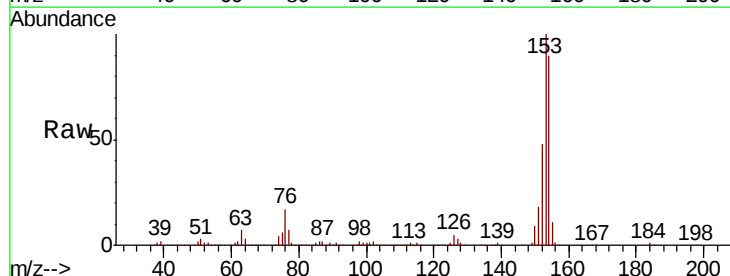
RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

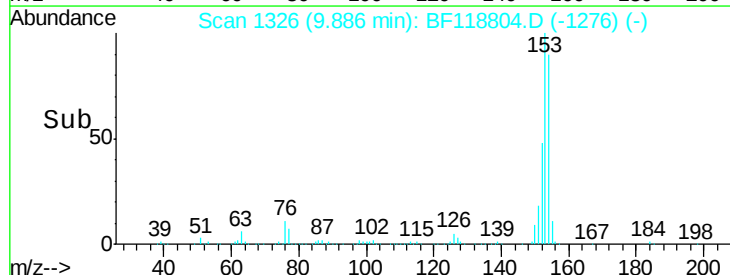
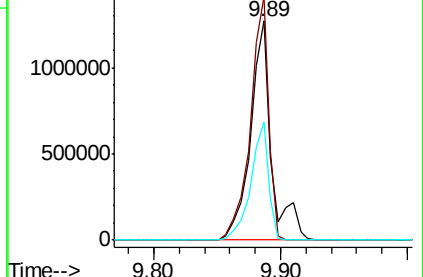
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1473010 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 111.2 | 89.4  | 134.0   |
| 152       | 53.8  | 43.6  | 65.4    |

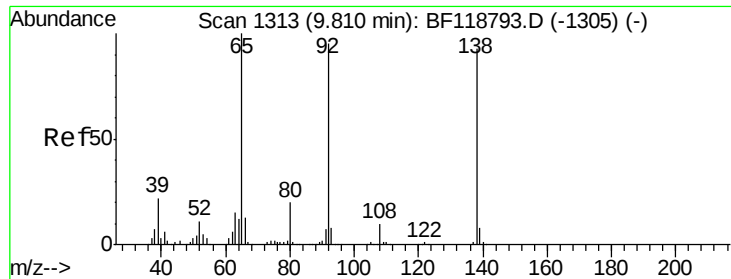


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





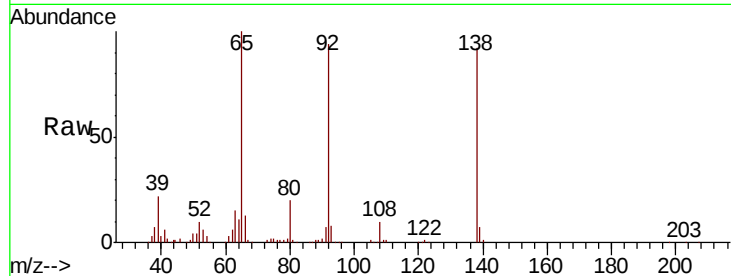
#53  
3-Nitroaniline  
Concen: 29.249 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

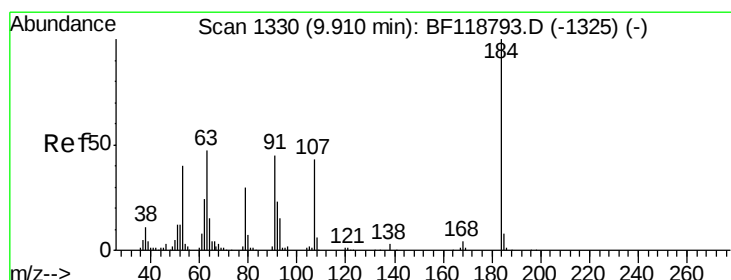
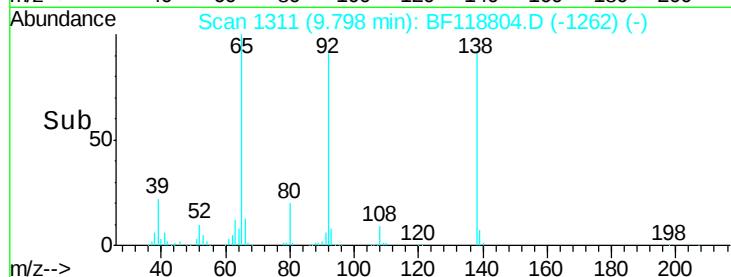
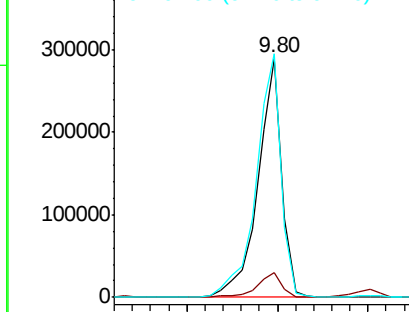
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 8.5   | 12.7  |
| 92      | 102.1 | 82.2  | 123.4 |

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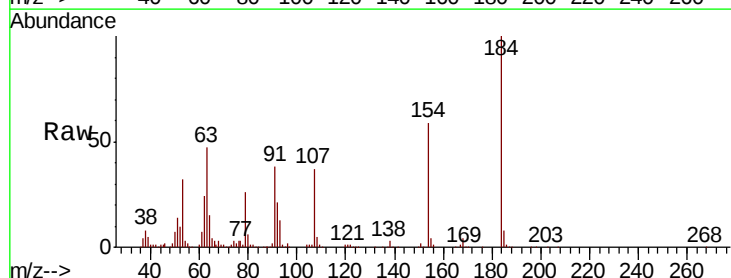


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

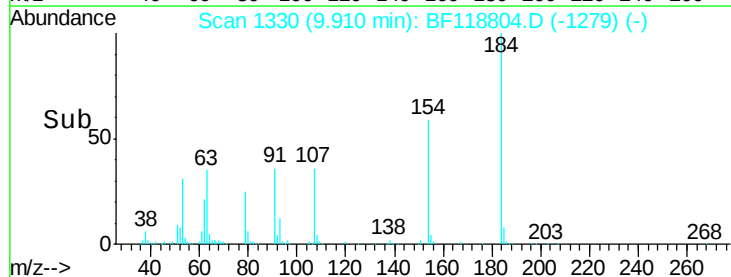
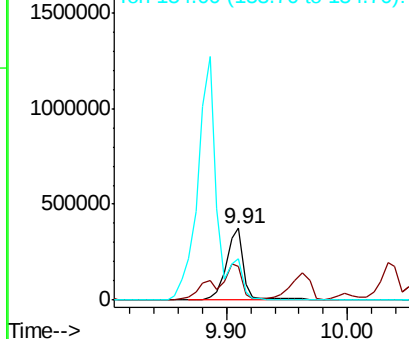


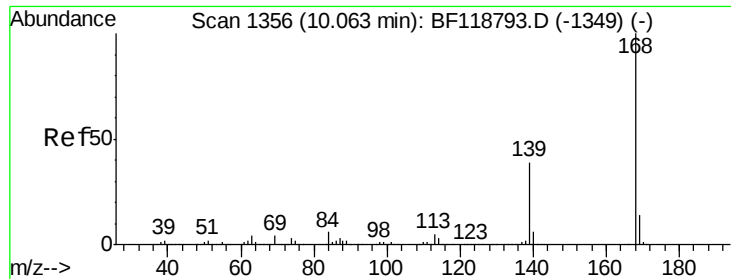
#54  
2,4-Dinitrophenol  
Concen: 96.305 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 47.0  | 47.5  | 71.3# |
| 154     | 58.7  | 48.6  | 72.8  |



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





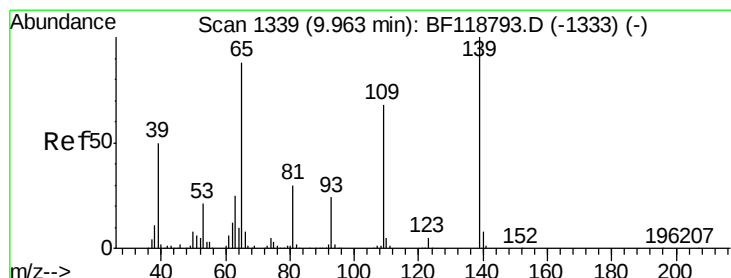
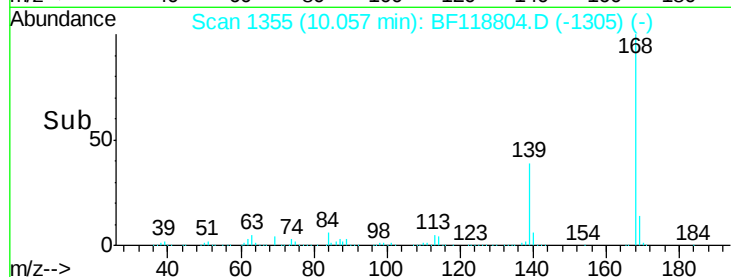
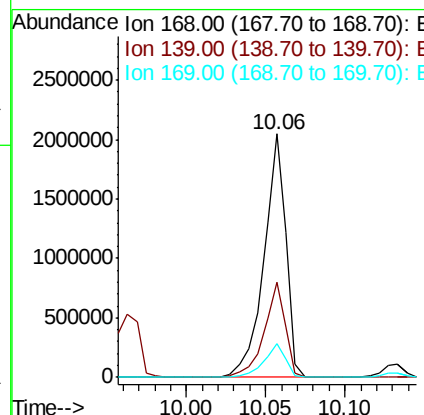
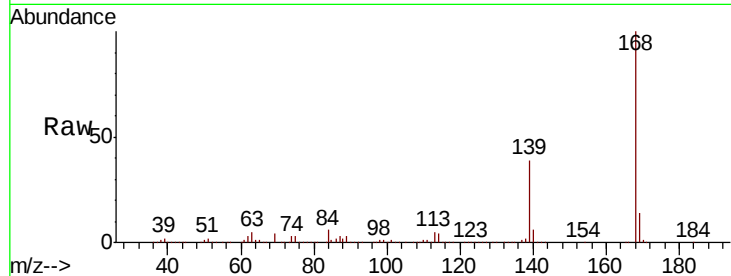
#55  
Dibenzofuran  
Concen: 48.126 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.0  | 31.6  | 47.4  |
| 169     | 14.1  | 11.4  | 17.2  |

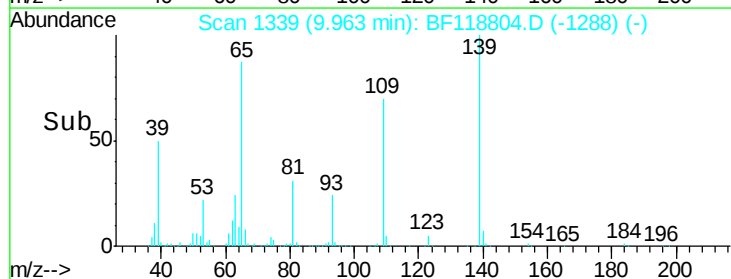
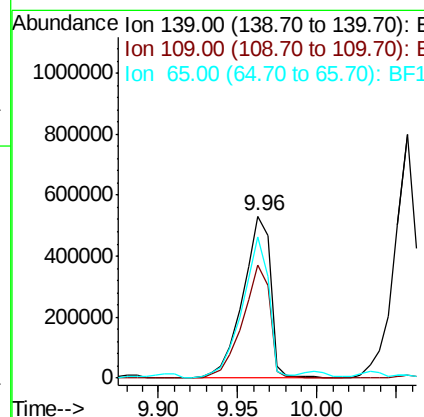
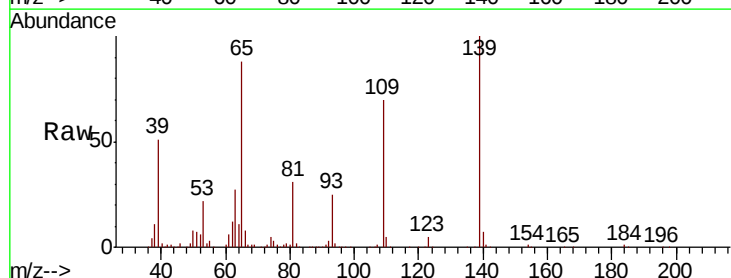
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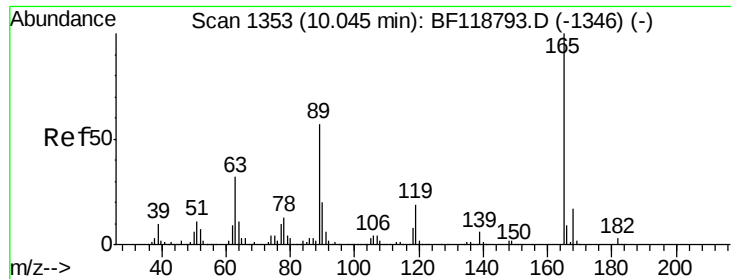
mohammad  
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#56  
4-Nitrophenol  
Concen: 98.352 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 69.5  | 48.0  | 88.0  |
| 65      | 87.6  | 68.3  | 108.3 |





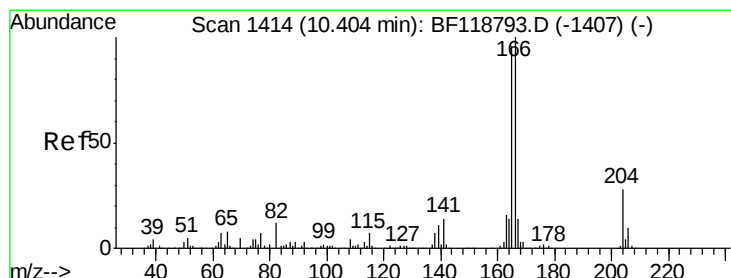
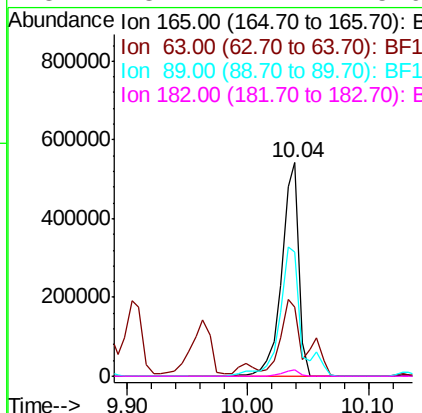
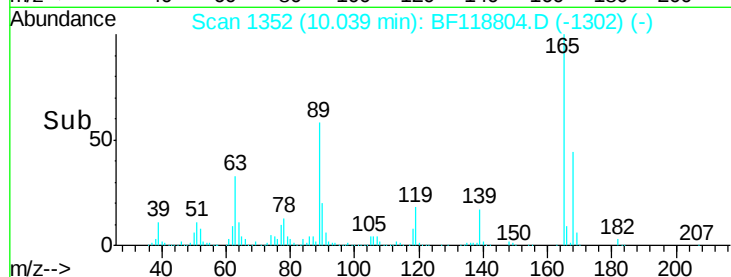
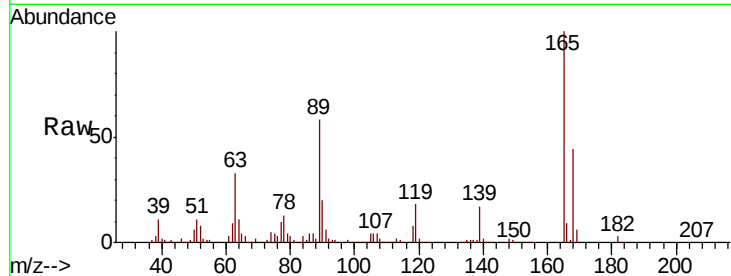
#57  
 2,4-Dinitrotoluene  
 Concen: 49.549 ng  
 RT: 10.04 min Scan# 1352  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 531499 |       |       |
| 63      | 32.6 | 25.5  | 38.3   |       |       |
| 89      | 58.0 | 45.4  | 68.0   |       |       |
| 182     | 3.2  | 2.4   | 3.6    |       |       |

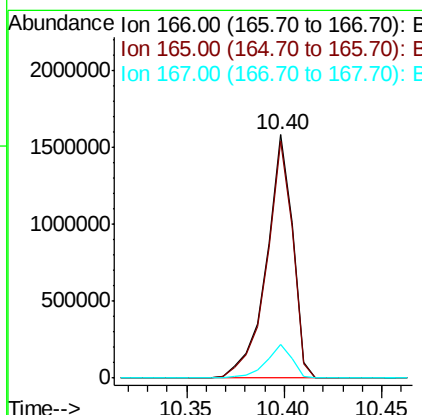
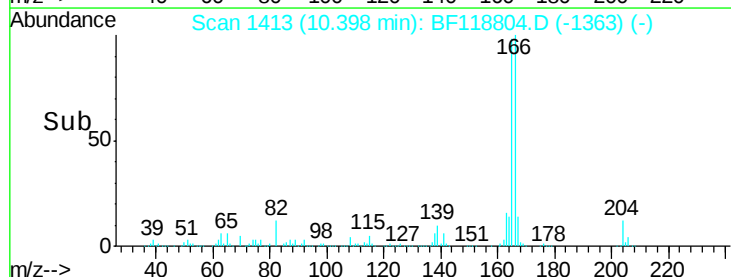
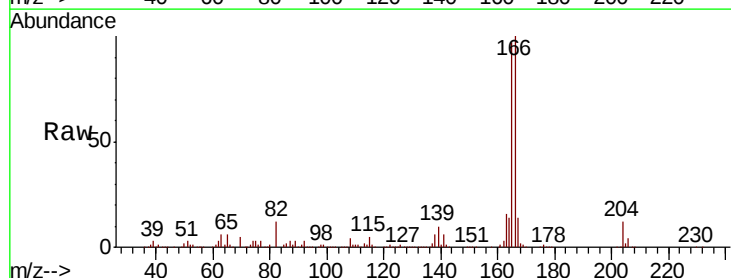
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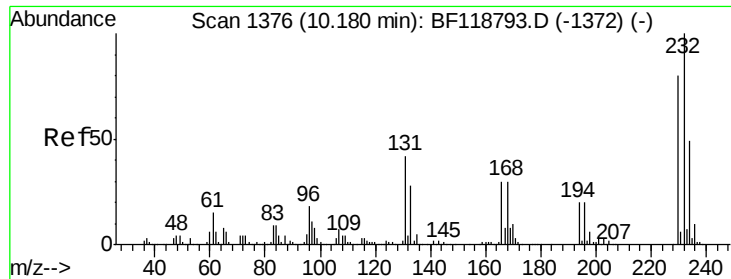
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#58  
 Fluorene  
 Concen: 47.694 ng  
 RT: 10.40 min Scan# 1413  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1476083 |       |       |
| 165     | 97.5 | 77.0  | 115.6   |       |       |
| 167     | 13.9 | 11.1  | 16.7    |       |       |





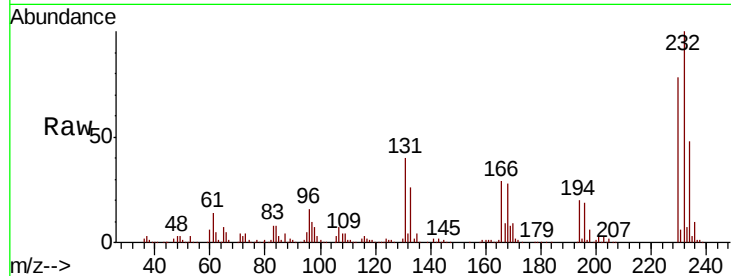
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.045 ng  
 RT: 10.17 min Scan# 1375  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

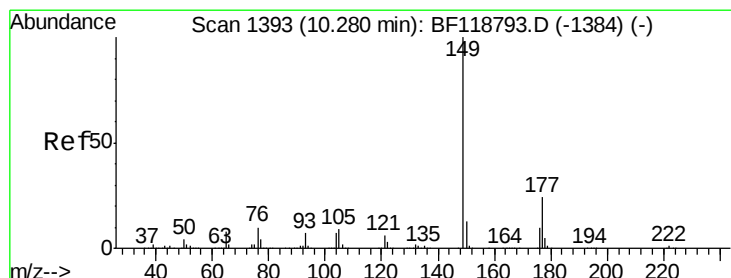
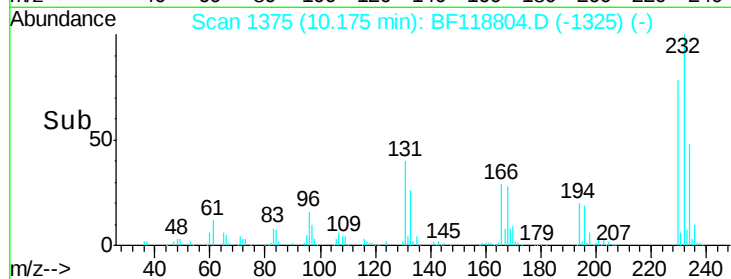
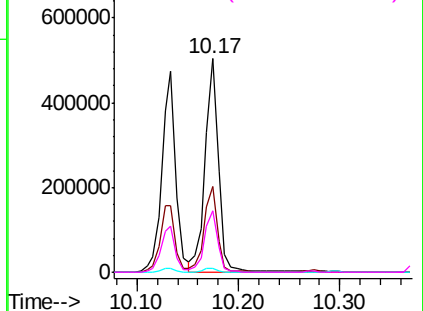
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 459530 |       |       |
| 131     | 39.7  | 31.8   | 47.6  |       |
| 130     | 2.0   | 1.6    | 2.4   |       |
| 166     | 28.7  | 23.1   | 34.7  |       |

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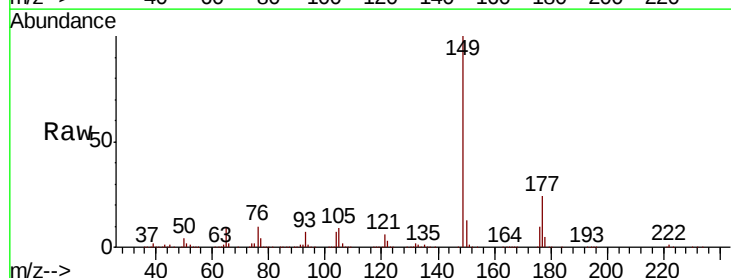


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

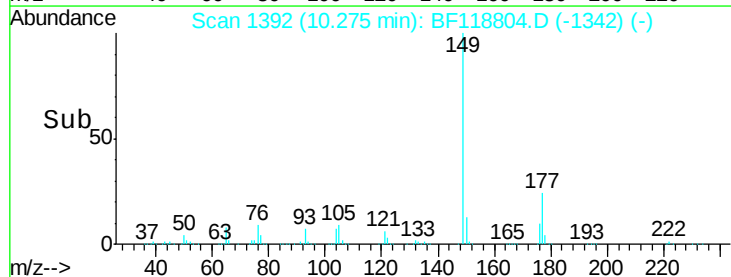
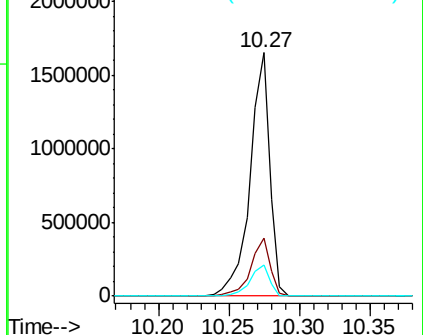


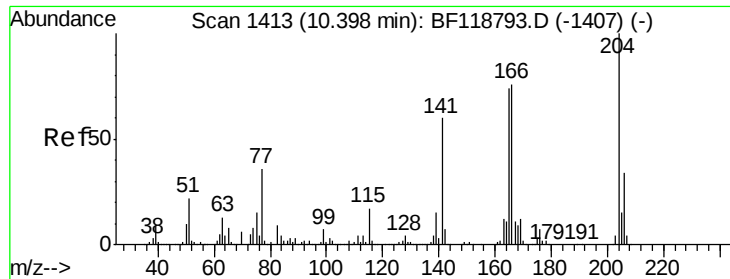
#60  
 Diethylphthalate  
 Concen: 47.046 ng  
 RT: 10.27 min Scan# 1392  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1620597 |       |       |
| 177     | 23.9  | 19.3    | 28.9  |       |
| 150     | 13.0  | 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





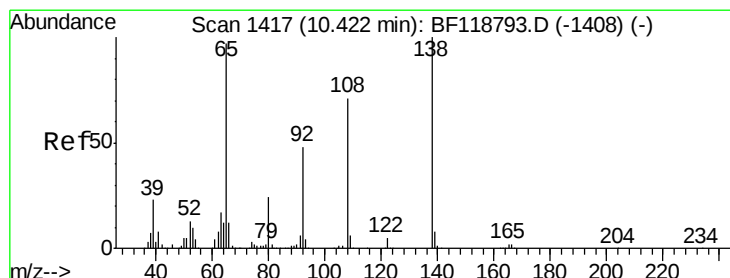
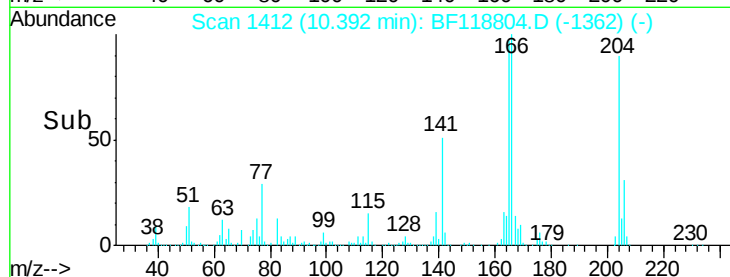
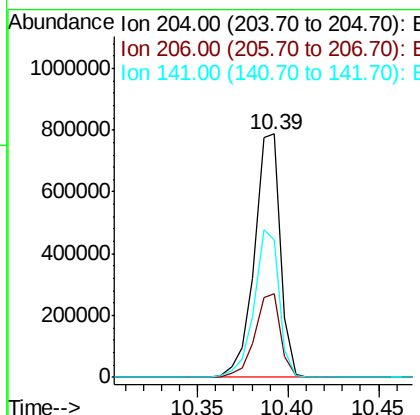
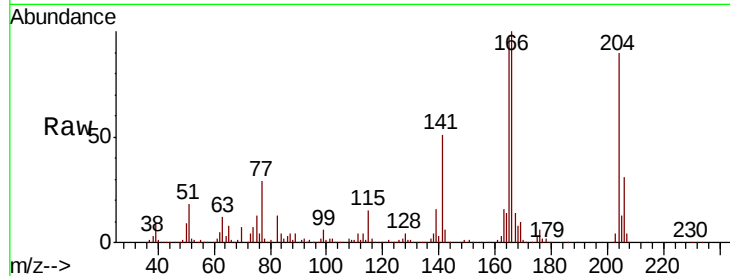
#61  
4-Chlorophenyl-phenylether  
Concen: 46.803 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampled :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.2  | 27.4  | 41.2  |
| 141     | 56.4  | 47.8  | 71.6  |

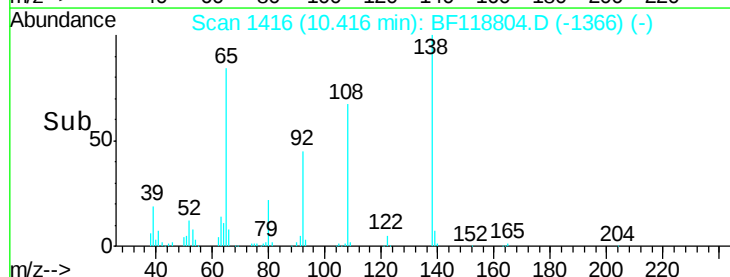
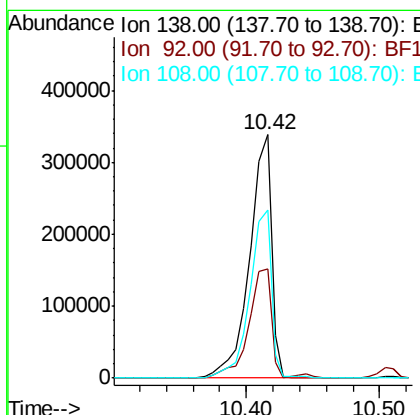
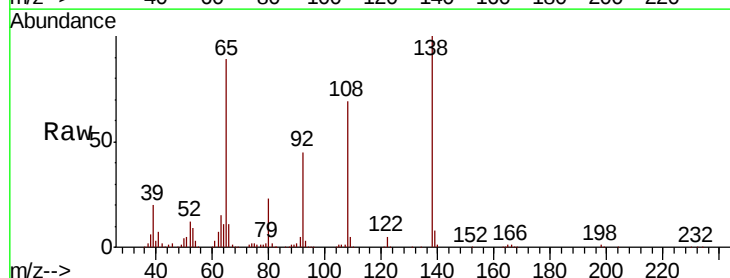
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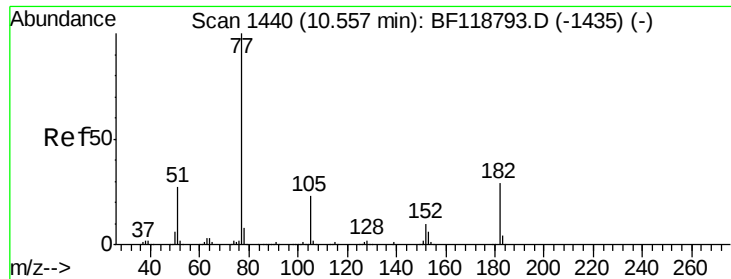
mohammad  
2/6/2020 2:17:03 PM



#62  
4-Nitroaniline  
Concen: 42.262 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 45.0  | 27.6  | 67.6  |
| 108     | 69.1  | 51.3  | 91.3  |





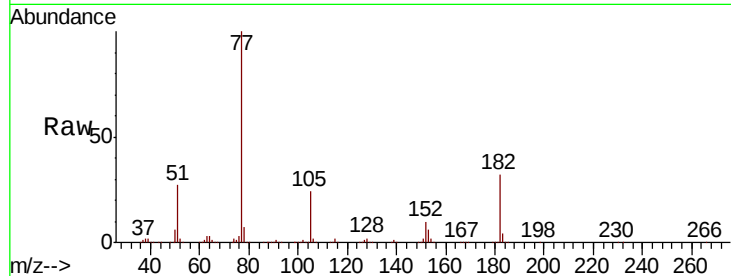
#63  
Azobenzene  
Concen: 48.887 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | 77    | Resp  | 1437683 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 77      | 100   |       |         |
| 182     | 31.6  | 9.2   | 49.2    |
| 105     | 23.8  | 3.1   | 43.1    |
| 51      | 27.3  | 7.4   | 47.4    |

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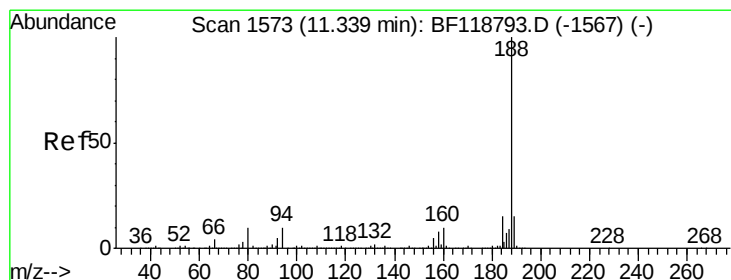
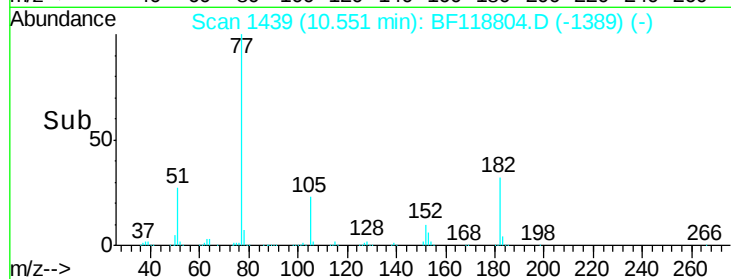
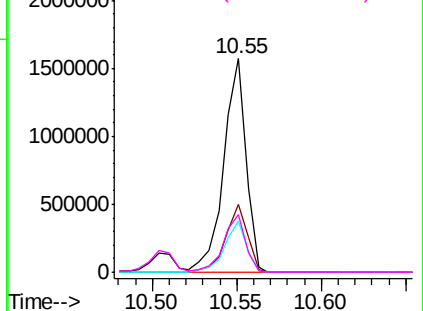
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

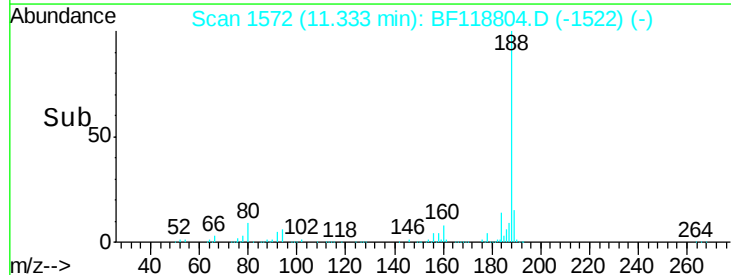
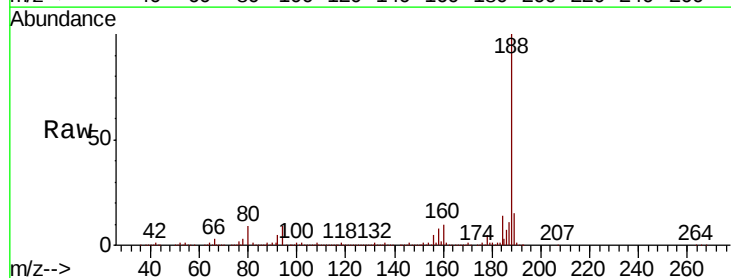
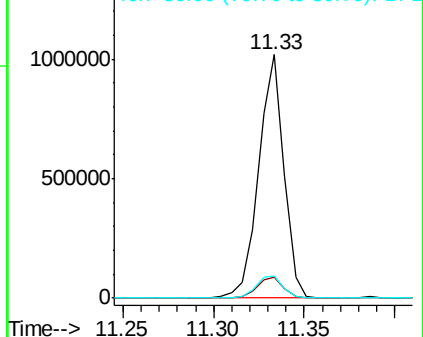
| Tgt Ion | 188   | Resp  | 980934 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 188     | 100   |       |        |
| 94      | 8.6   | 7.9   | 11.9   |
| 80      | 9.3   | 8.4   | 12.6   |

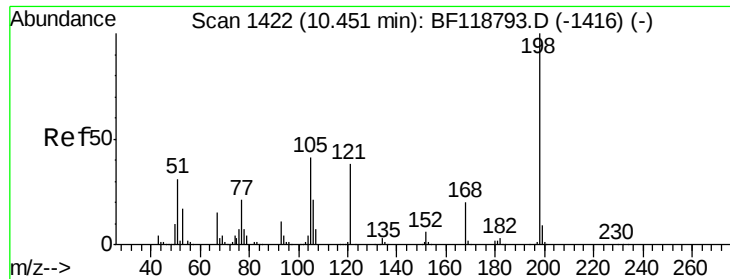
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





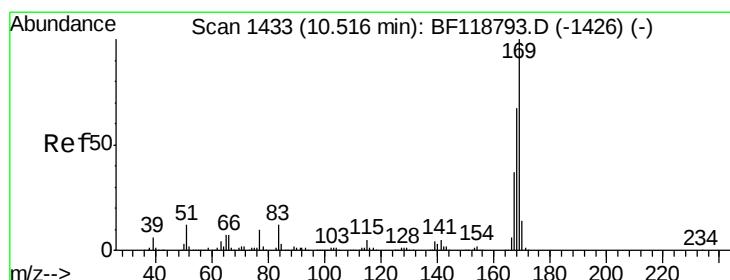
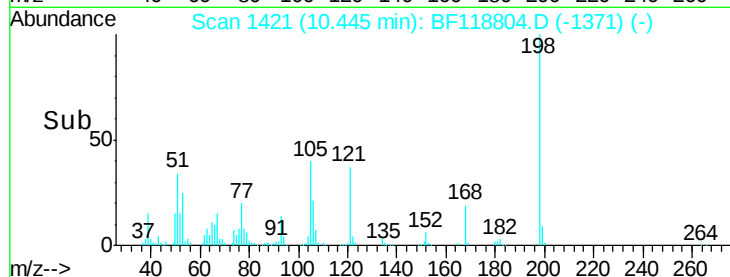
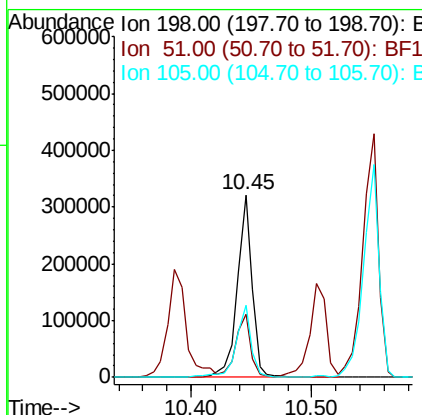
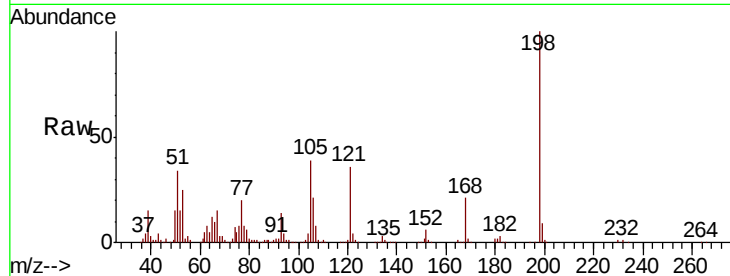
#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.497 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 278341 |       |       |
| 51      | 34.3  | 16.7   | 56.7  |       |
| 105     | 39.3  | 22.0   | 62.0  |       |

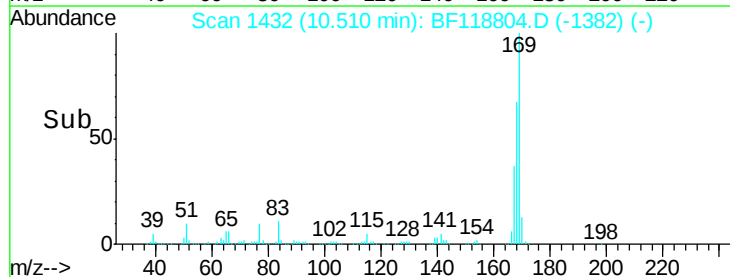
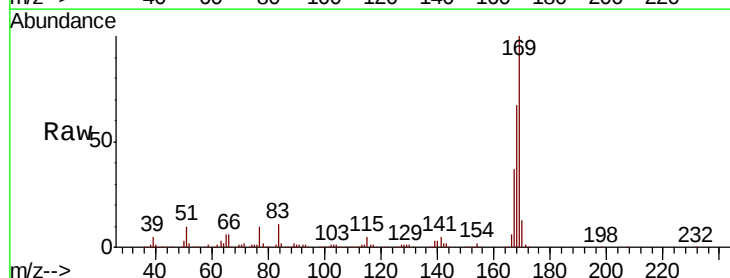
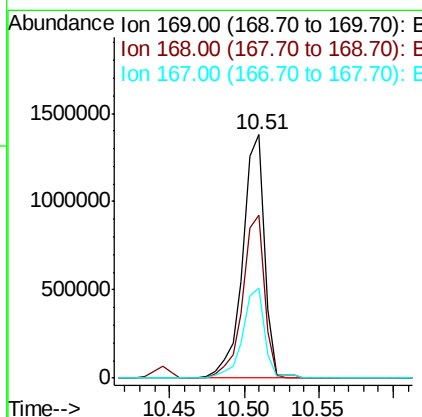
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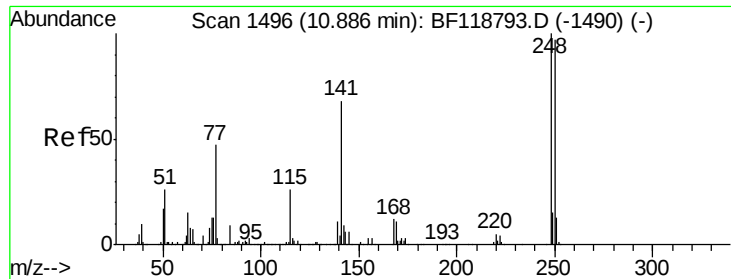
mohammad  
2/6/2020 2:17:03 PM



#66  
n-Nitrosodiphenylamine  
Concen: 49.160 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1396835 |       |       |
| 168     | 67.1  | 53.5    | 80.3  |       |
| 167     | 36.7  | 29.3    | 43.9  |       |





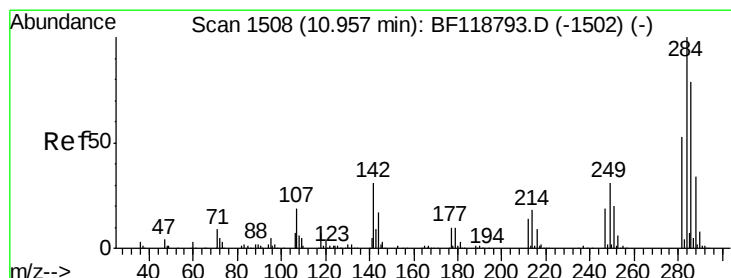
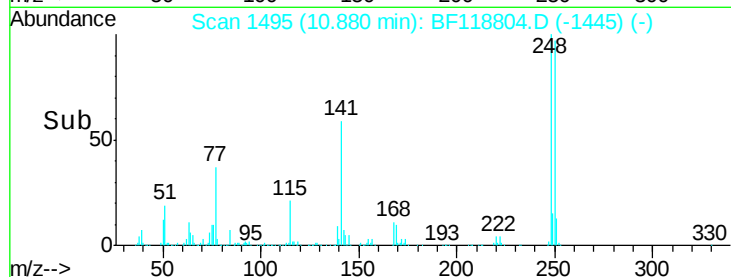
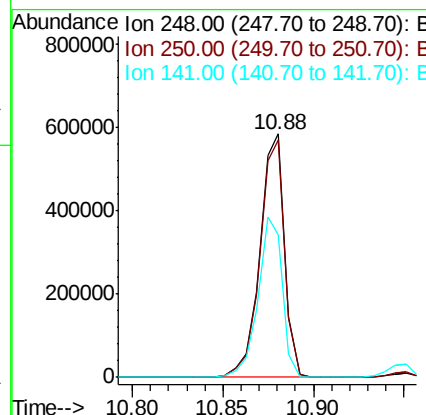
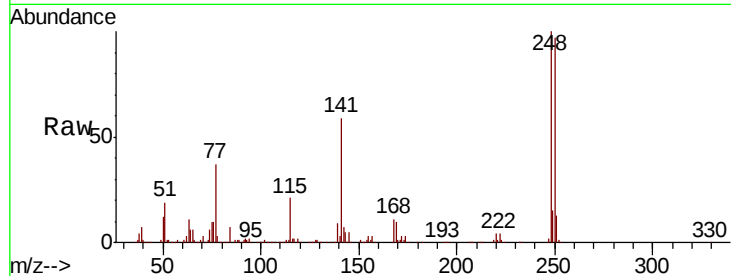
#67  
4-Bromophenyl-phenylether  
Concen: 47.325 ng  
RT: 10.88 min Scan# 1495  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.4  | 77.6  | 116.4 |
| 141     | 58.7  | 54.4  | 81.6  |

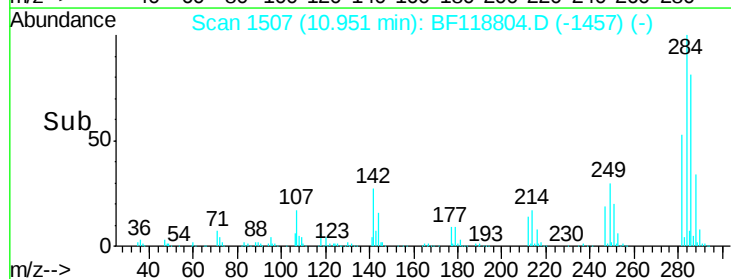
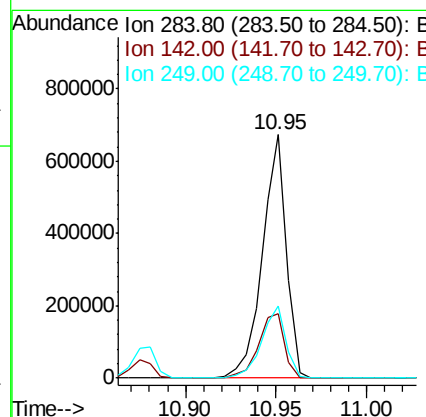
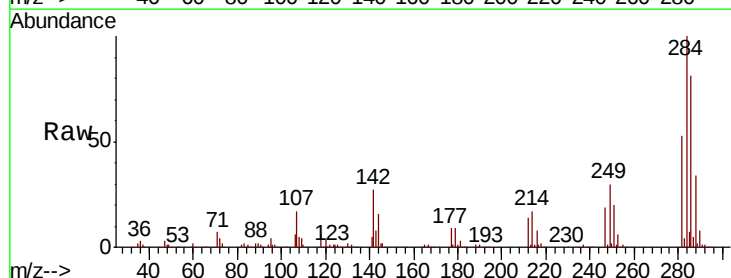
Manual Integrations  
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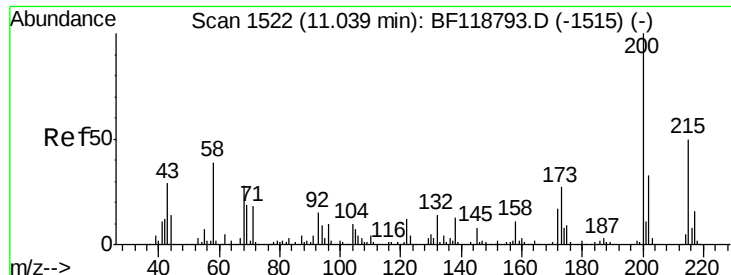
mohammad  
2/6/2020 2:17:03 PM



#68  
Hexachlorobenzene  
Concen: 46.358 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.6  | 24.5  | 36.7  |
| 249     | 29.8  | 24.7  | 37.1  |





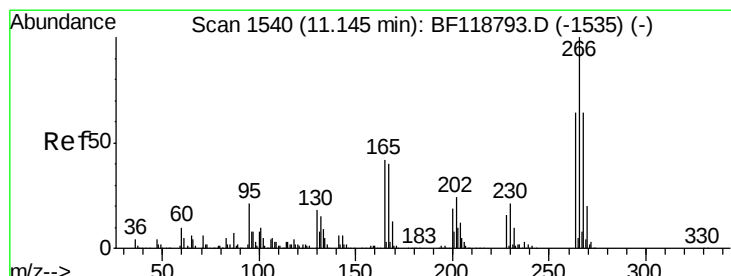
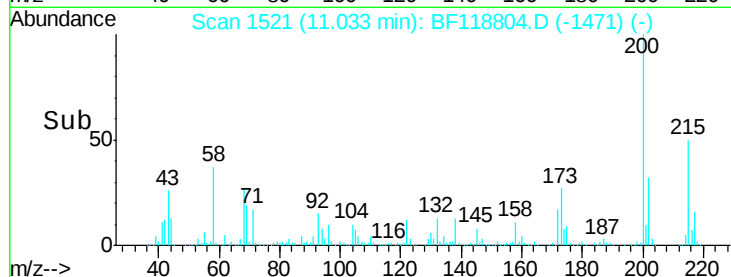
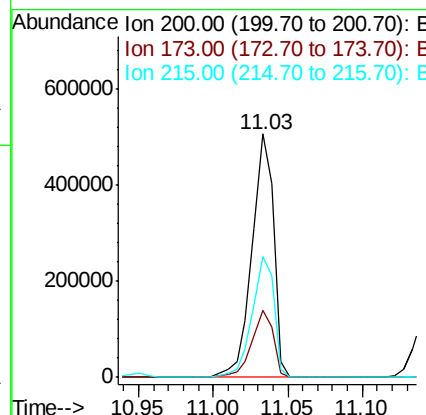
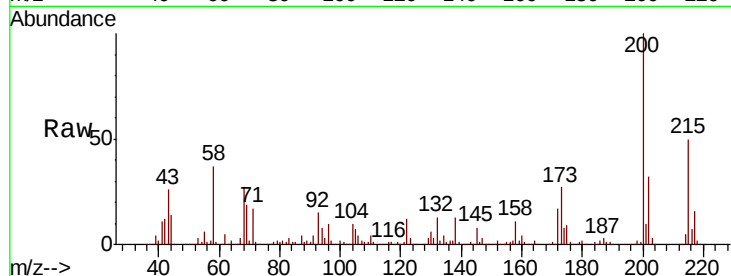
#69  
Atrazine  
Concen: 53.447 ng  
RT: 11.03 min Scan# 1521  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.4  | 7.5   | 47.5  |
| 215     | 49.7  | 29.9  | 69.9  |

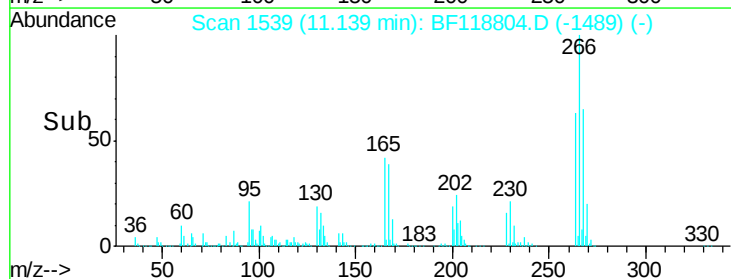
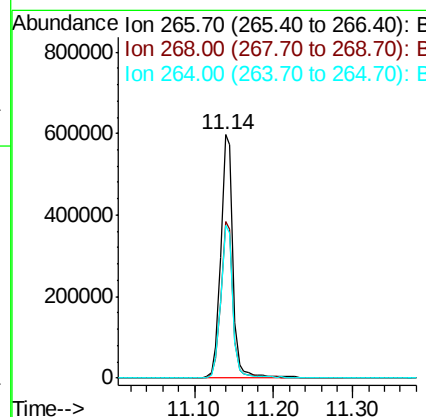
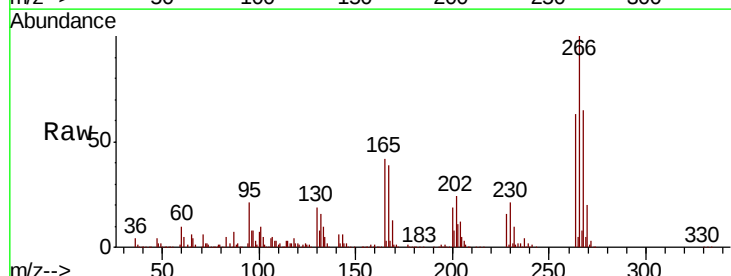
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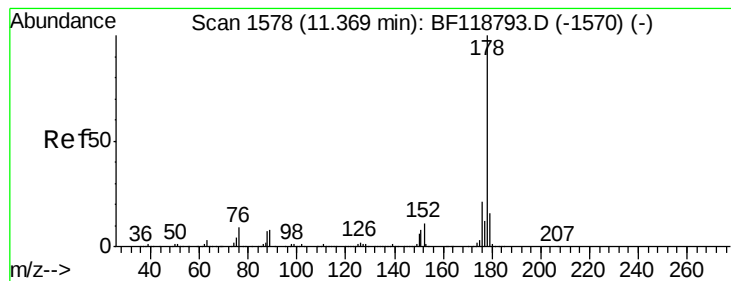
mohammad  
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#70  
Pentachlorophenol  
Concen: 91.714 ng  
RT: 11.14 min Scan# 1539  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.6  | 51.0  | 76.6  |
| 264     | 62.8  | 51.4  | 77.2  |





#71

Phenanthrene

Concen: 47.234 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion:178 Resp: 2279693

Ion Ratio Lower Upper

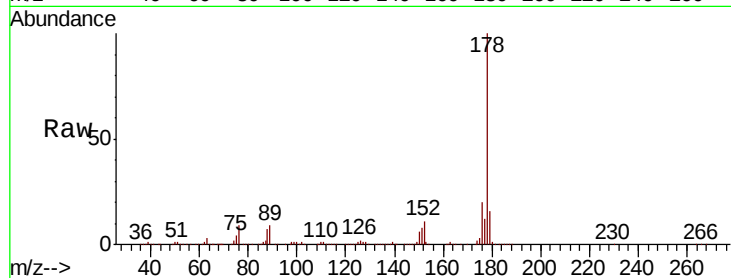
178 100

176 20.2 16.6 24.8

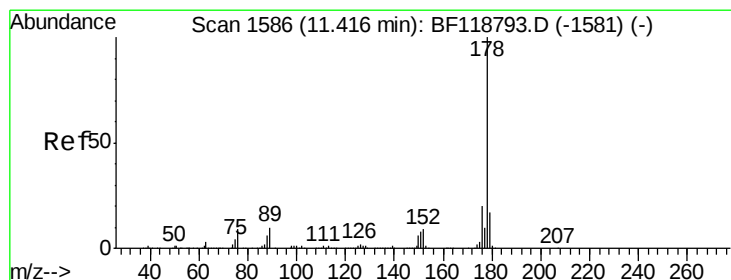
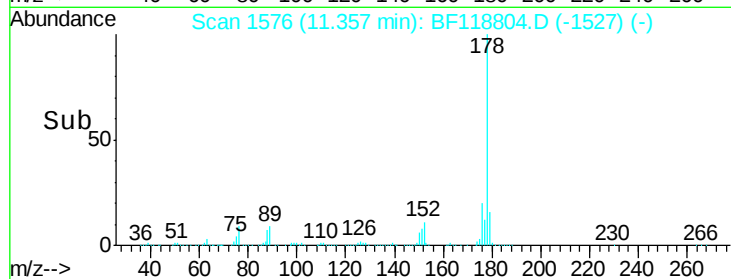
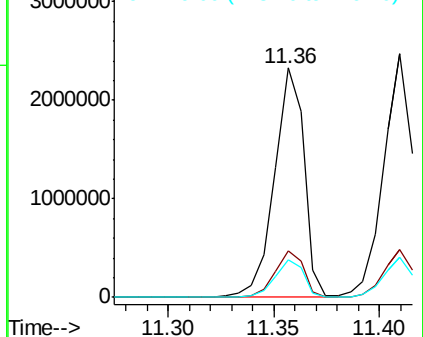
179 16.3 13.2 19.8

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



#72

Anthracene

Concen: 48.780 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Tgt Ion:178 Resp: 2342085

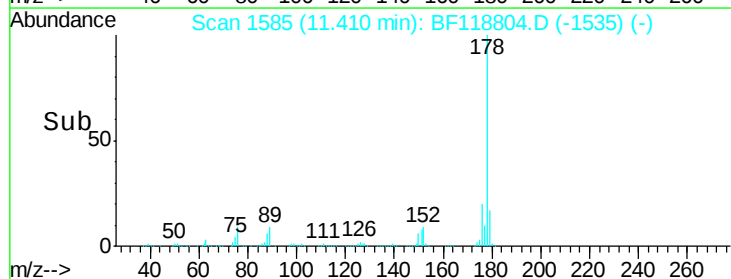
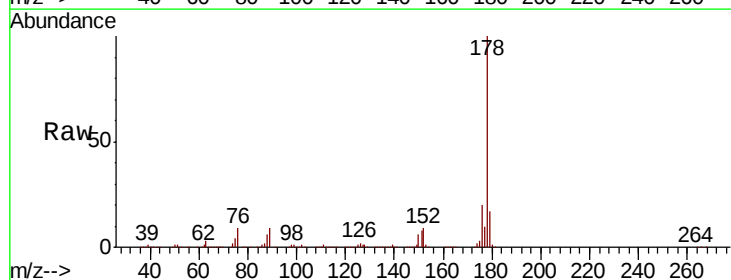
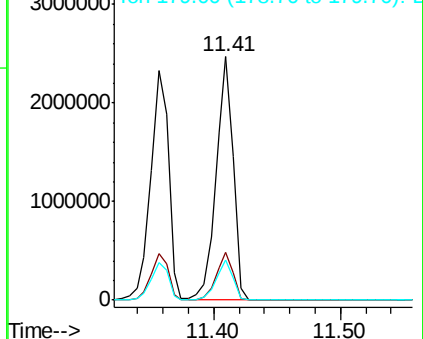
Ion Ratio Lower Upper

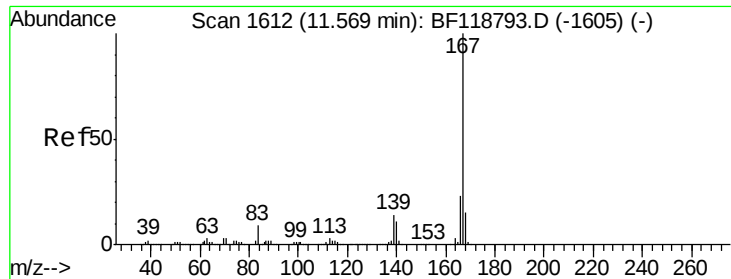
178 100

176 19.9 16.2 24.2

179 16.7 13.4 20.2

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





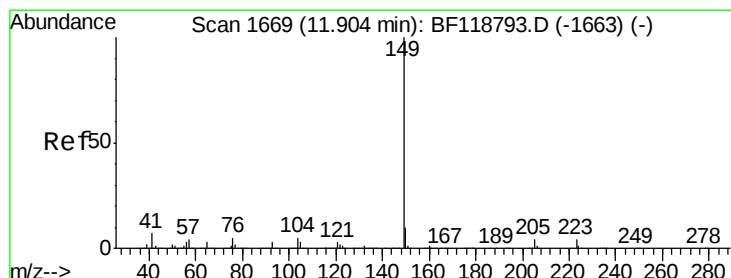
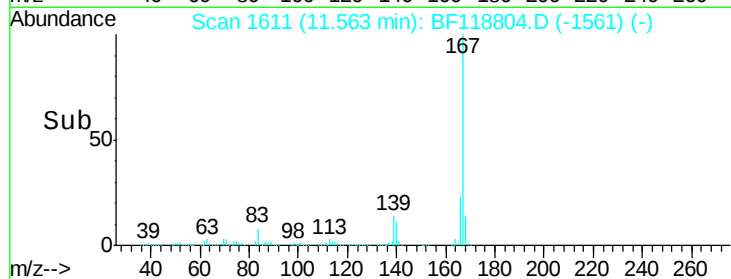
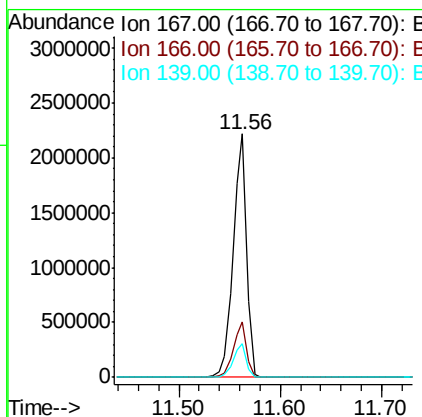
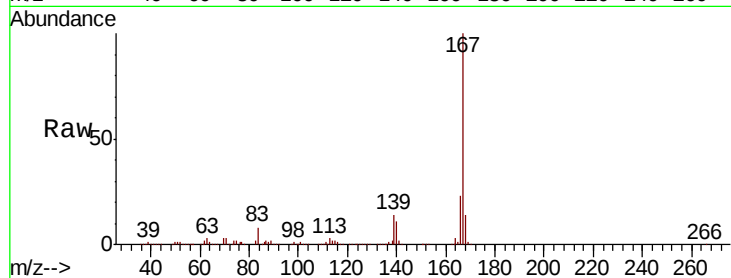
#73  
 Carbazole  
 Concen: 48.075 ng  
 RT: 11.56 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.8  | 18.4  | 27.6  |
| 139     | 13.8  | 11.1  | 16.7  |

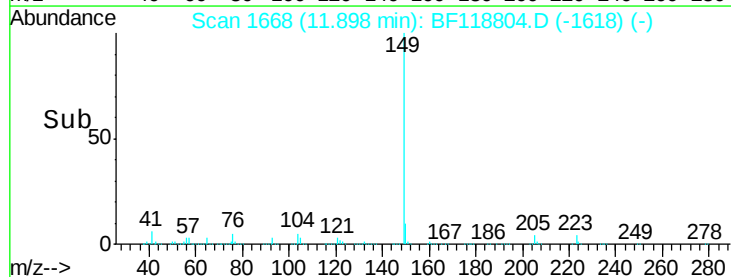
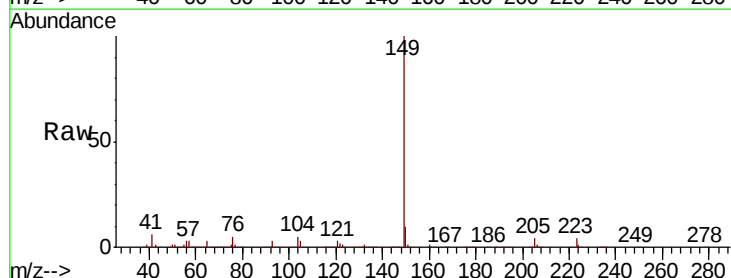
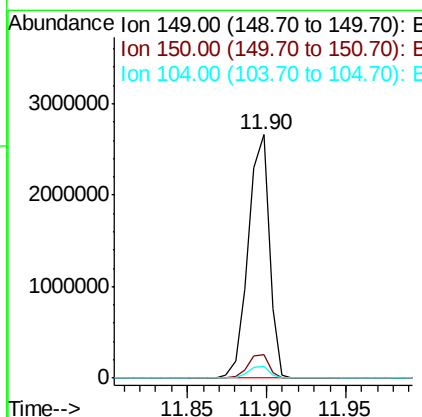
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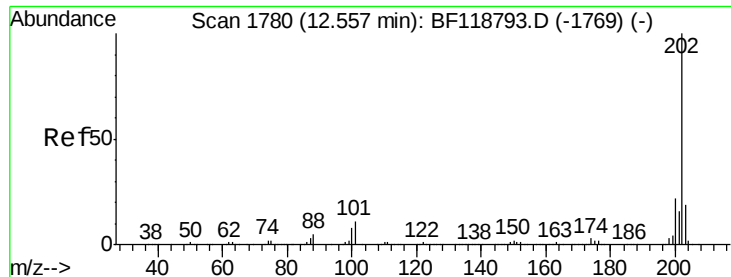
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#74  
 Di-n-butylphthalate  
 Concen: 45.810 ng  
 RT: 11.90 min Scan# 1668  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.8   | 8.1   | 12.1  |
| 104     | 5.0   | 4.3   | 6.5   |





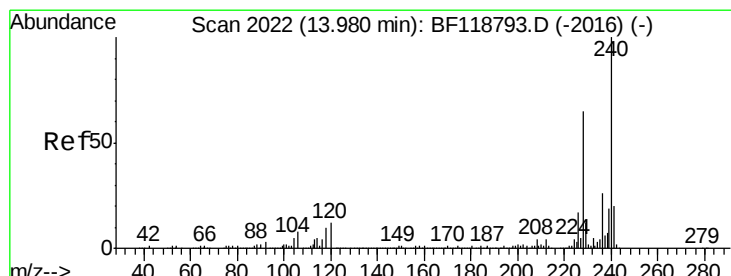
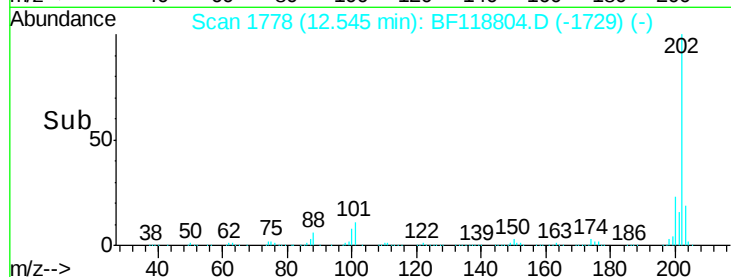
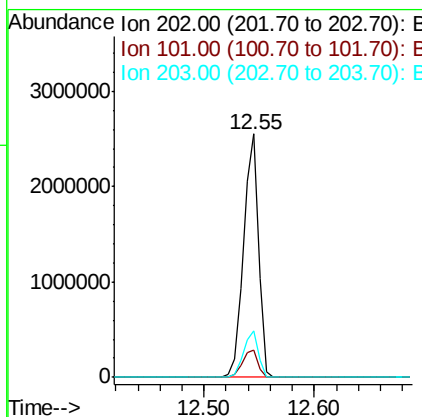
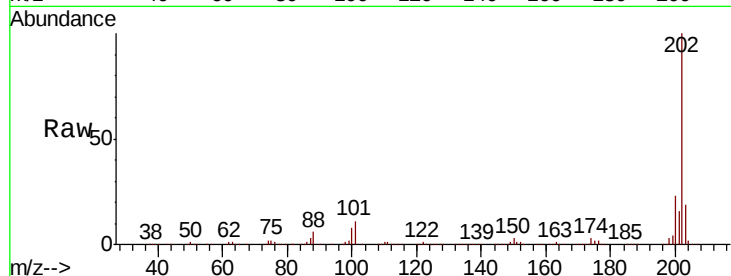
#75  
 Fluoranthene  
 Concen: 46.244 ng  
 RT: 12.55 min Scan# 1778  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.3  | 0.0   | 31.0  |
| 203     | 19.0  | 0.0   | 38.7  |

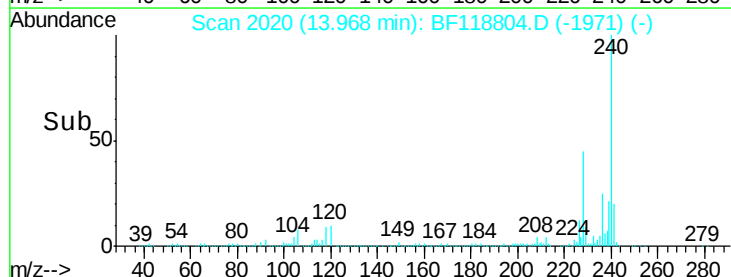
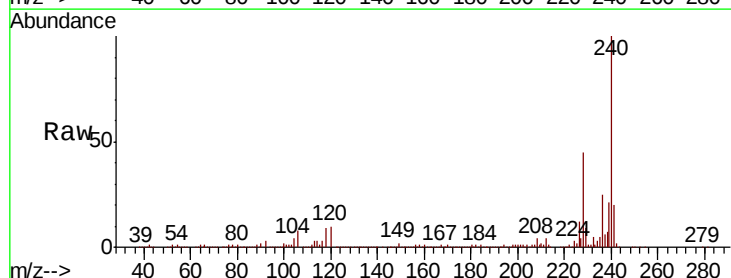
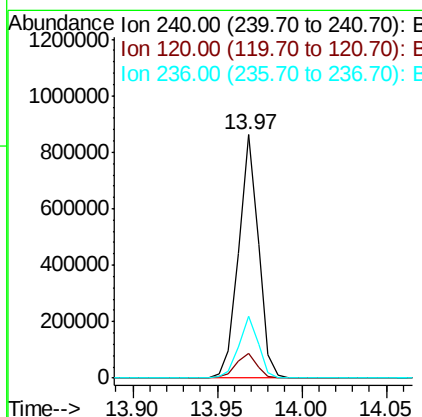
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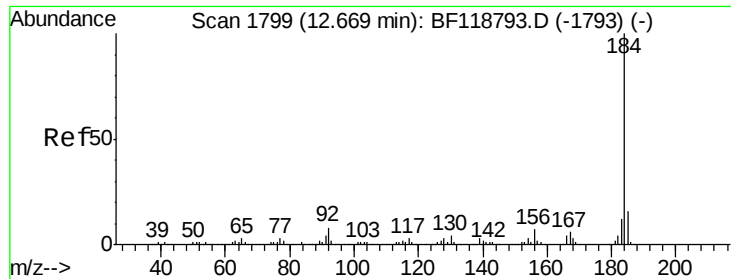
mohammad  
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#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.01 min  
 Lab File: BF118804.D  
 Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.3  | 9.4   | 14.0  |
| 236     | 25.4  | 21.0  | 31.6  |





#77

Benzidine

Concen: 51.010 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampled :

PB126588BS

Tot Ion:184 Resp: 1083662

Ion Ratio Lower Upper

184 100

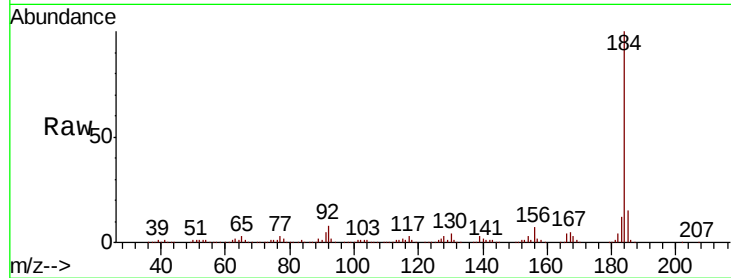
185 14.9 12.5 18.7

183 12.1 9.7 14.5

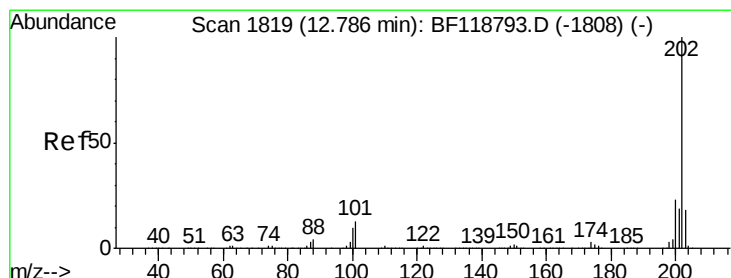
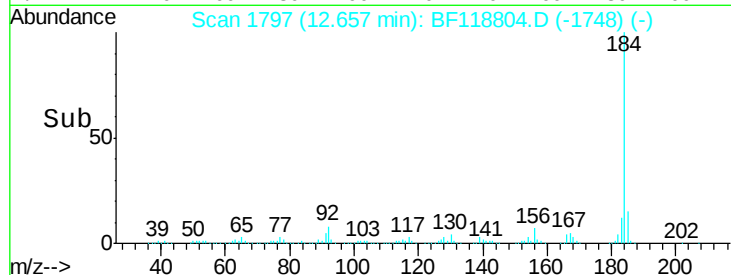
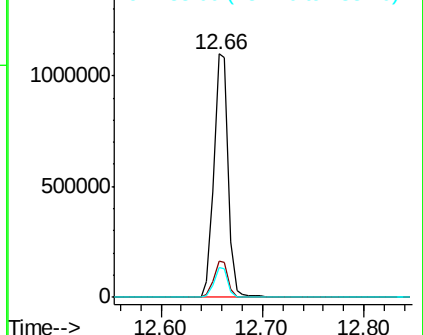
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Abundance Ion 184.00 (183.70 to 184.70): E  
1500000 Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 50.732 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

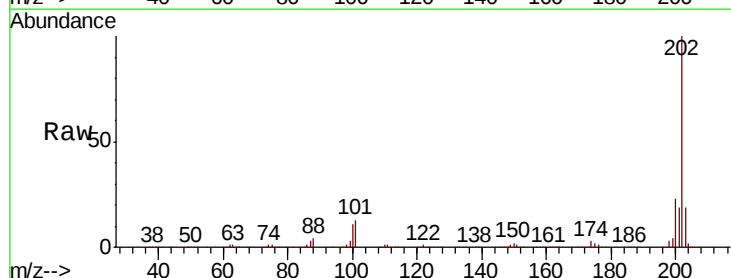
Tgt Ion:202 Resp: 2444532

Ion Ratio Lower Upper

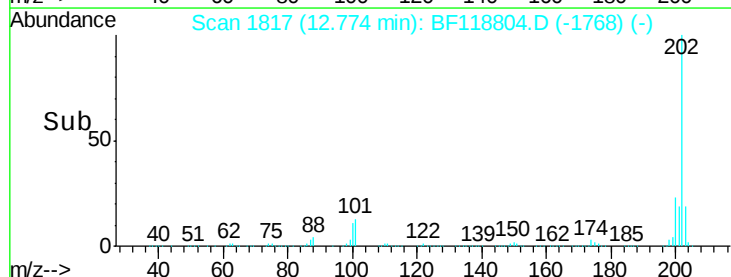
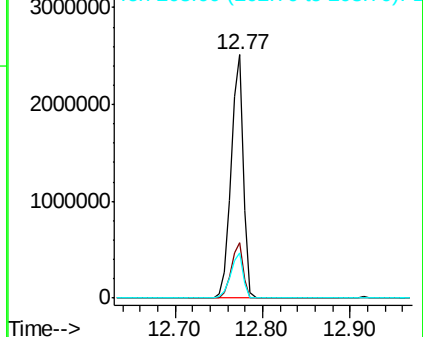
202 100

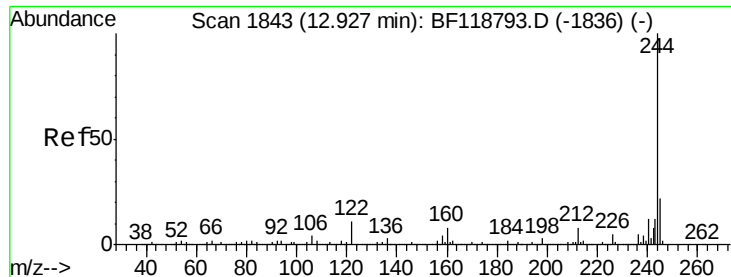
200 22.6 18.2 27.2

203 18.7 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E  
3000000 Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 90.504 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion:244 Resp: 3094789

Ion Ratio Lower Upper

244 100

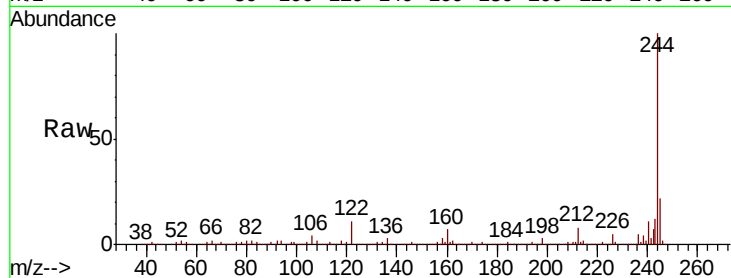
212 8.0 6.5 9.7

122 10.7 8.9 13.3

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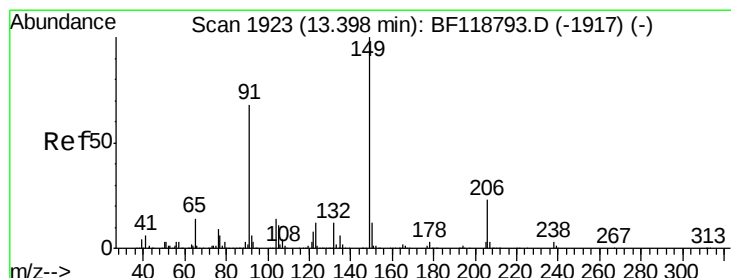
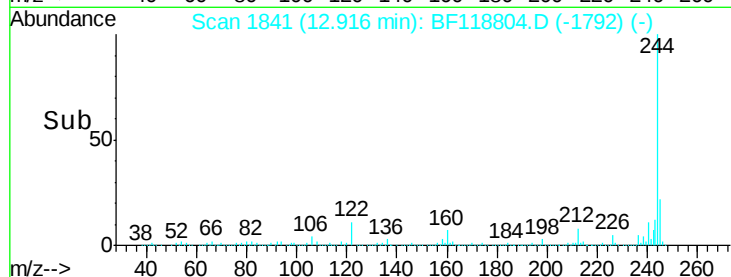
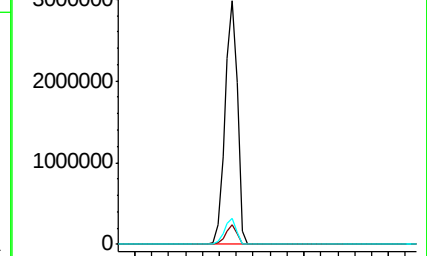
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.956 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

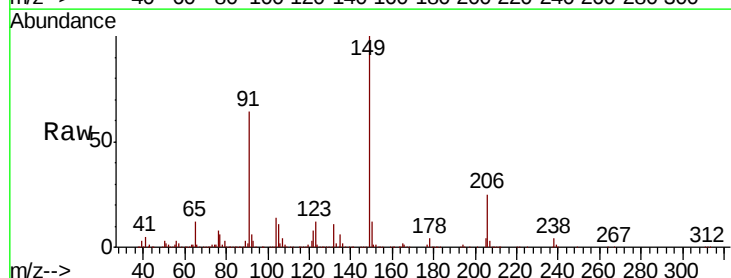
Tgt Ion:149 Resp: 1032697

Ion Ratio Lower Upper

149 100

91 64.1 54.7 82.1

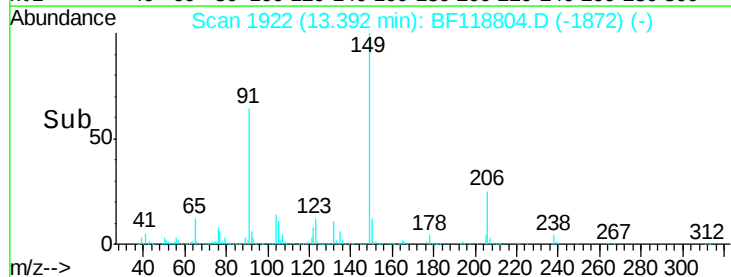
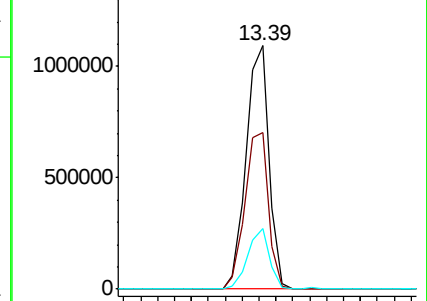
206 24.8 18.5 27.7

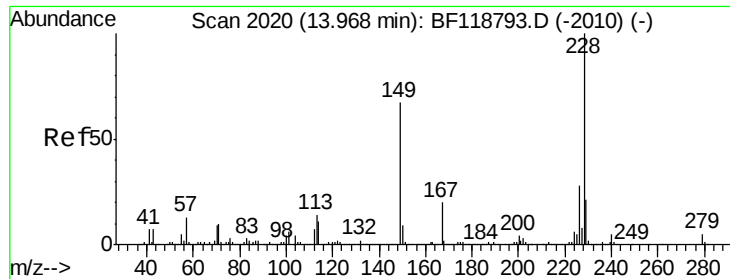


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.998 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

ClientSampleId :

PB126588BS

Tot Ion:228 Resp: 2006103

Ion Ratio Lower Upper

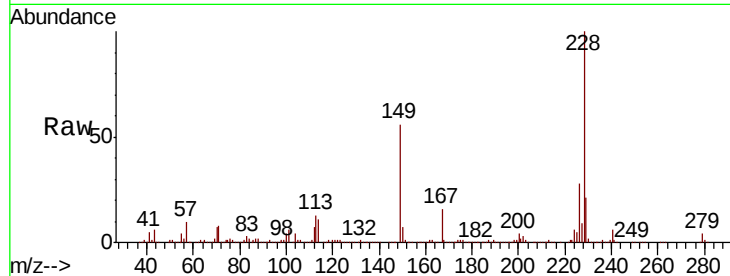
228 100

226 28.3 22.7 34.1

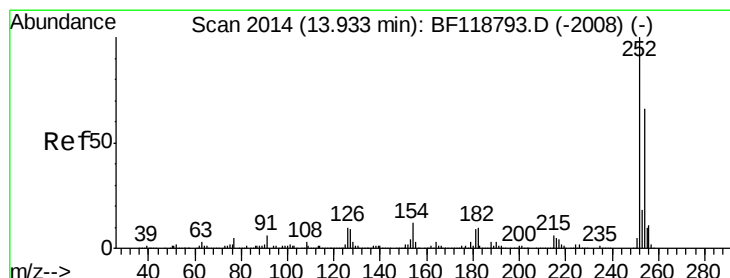
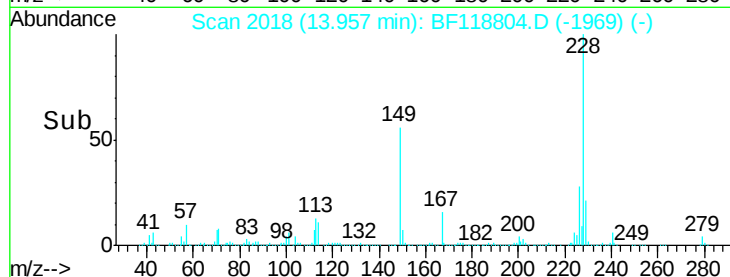
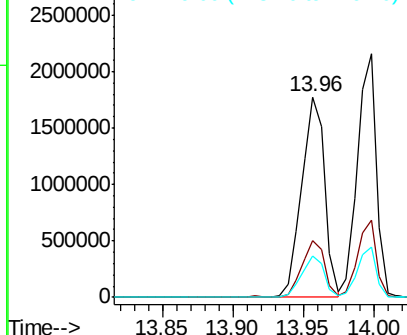
229 20.6 16.6 25.0

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 34.026 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

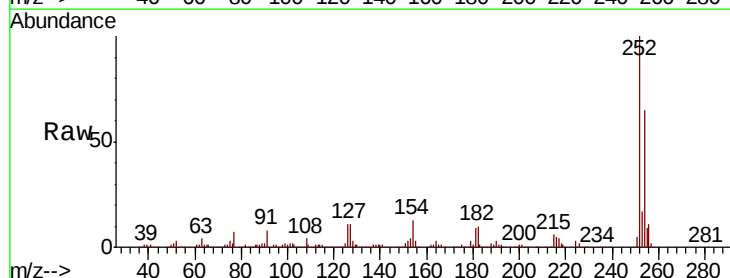
Tgt Ion:252 Resp: 581661

Ion Ratio Lower Upper

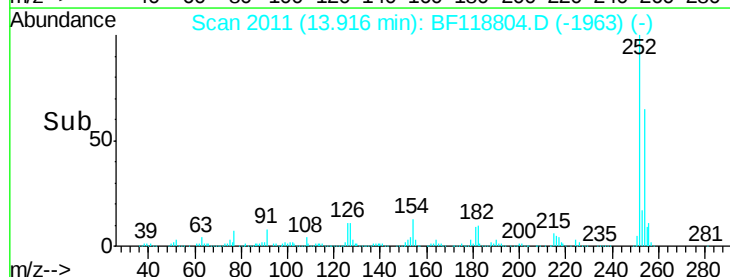
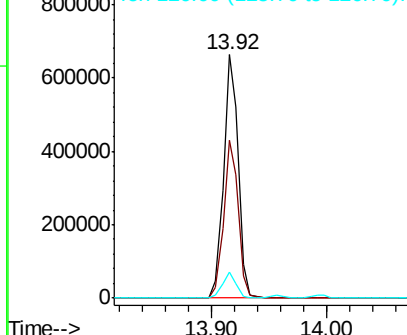
252 100

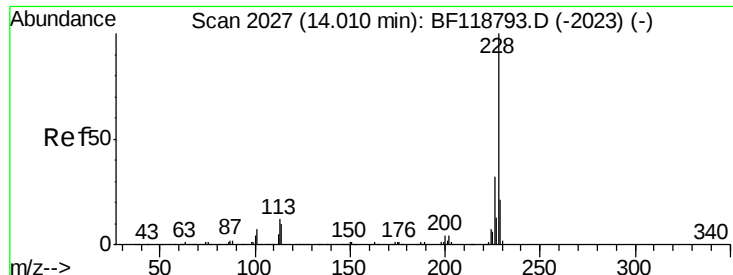
254 64.8 52.4 78.6

126 10.7 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





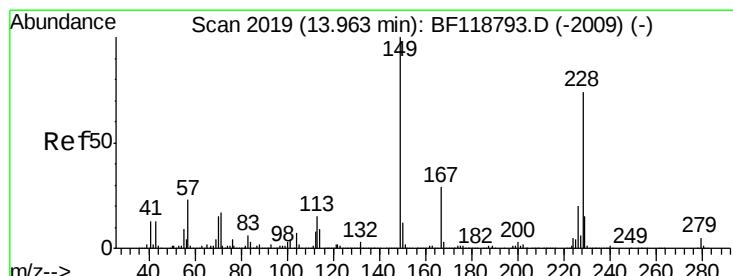
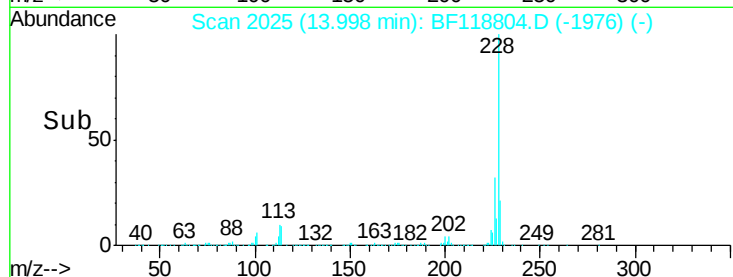
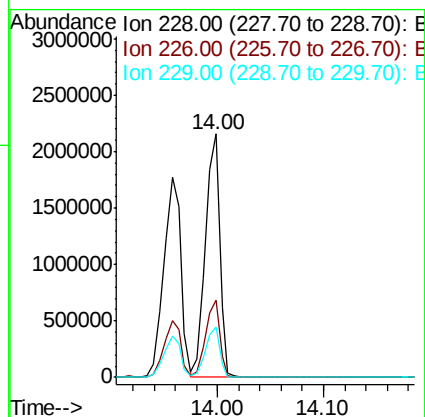
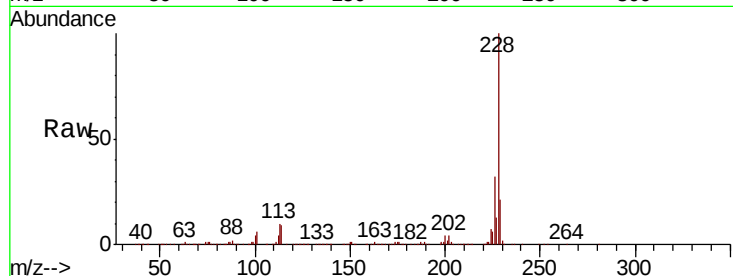
#83  
Chrvsene  
Concen: 48.208 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.9  | 25.4  | 38.0  |
| 229     | 20.9  | 16.9  | 25.3  |

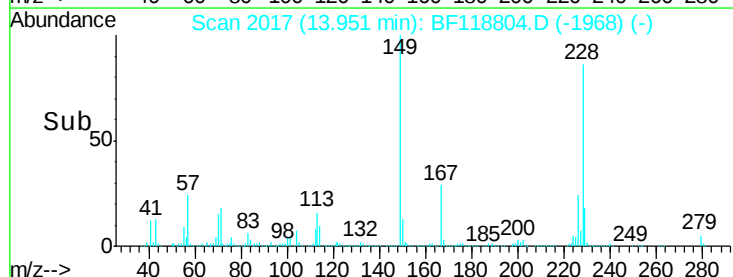
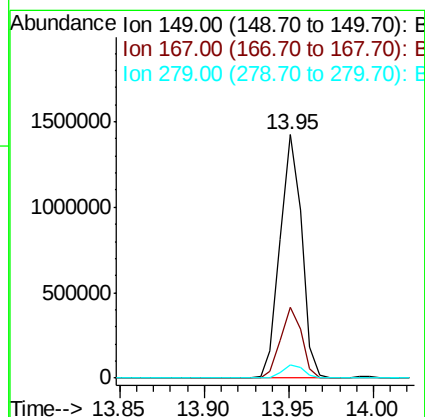
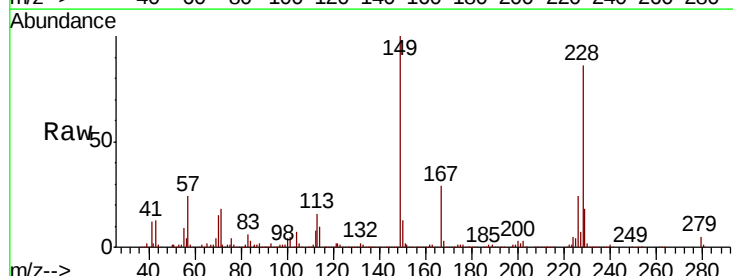
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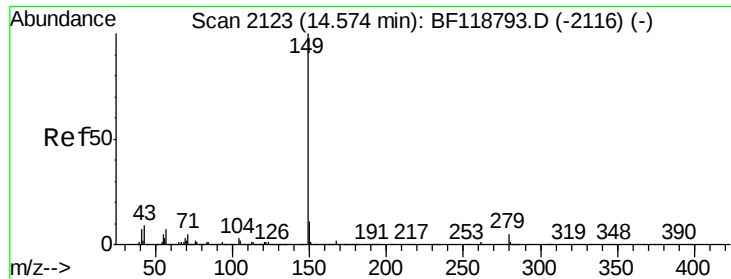
mohammad  
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 45.550 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.2  | 23.0  | 34.6  |
| 279     | 5.4   | 4.4   | 6.6   |





#85

Di-n-octyl phthalate

Concen: 43.411 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118804.D

Acq: 4 Feb 2020 16:23

Instrument :

BNA\_F

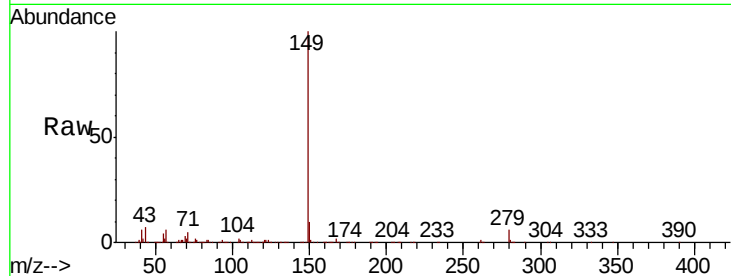
ClientSampled :

PB126588BS

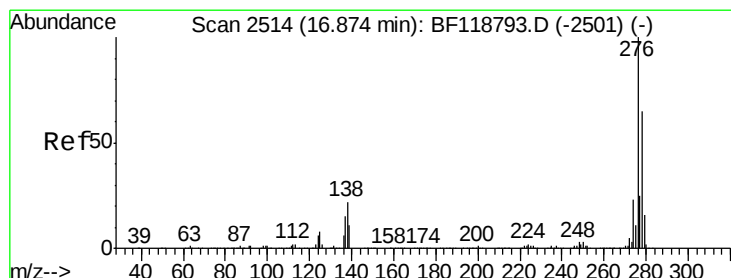
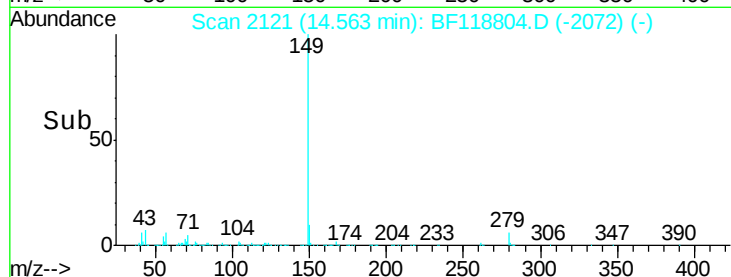
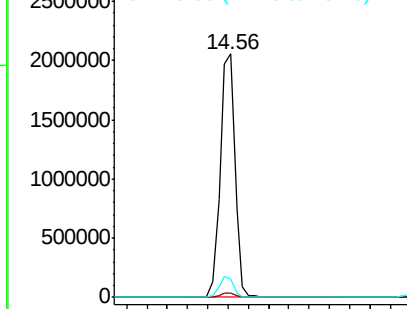
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 149   | Resp: | 2075101 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 1.7   | 1.4   | 2.0     |
| 43       | 8.1   | 6.6   | 10.0    |

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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: 42.868 ng

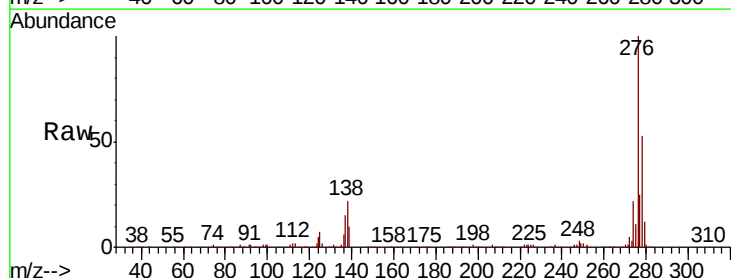
RT: 16.84 min Scan# 2508

Delta R.T. -0.04 min

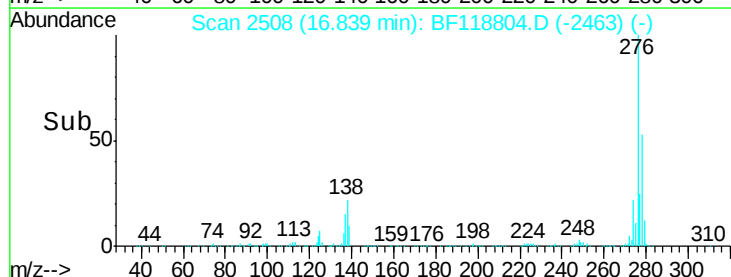
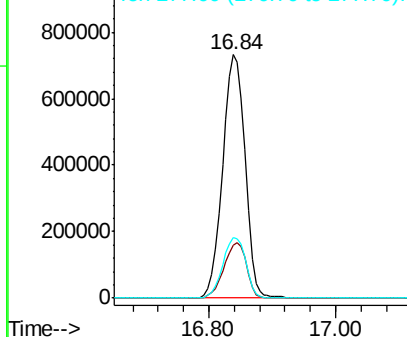
Lab File: BF118804.D

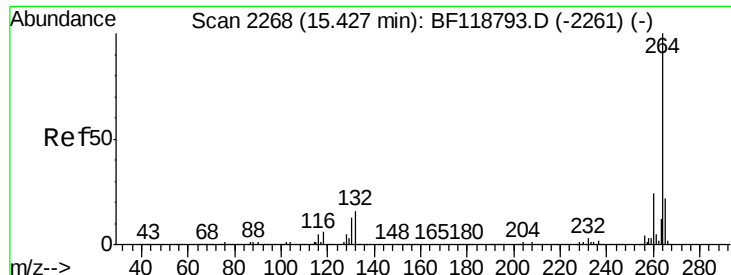
Acq: 4 Feb 2020 16:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 276   | Resp: | 1806756 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 138      | 23.0  | 18.3  | 27.5    |
| 277      | 25.5  | 20.2  | 30.4    |



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





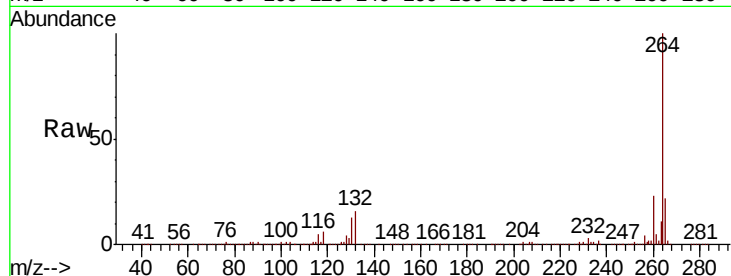
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.02 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

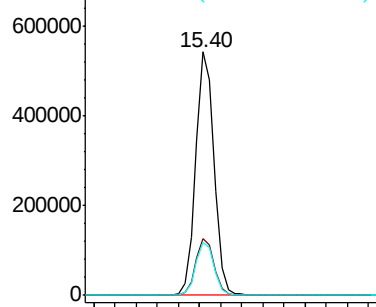
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.1  | 28.7  |
| 265     | 21.6  | 17.2  | 25.8  |

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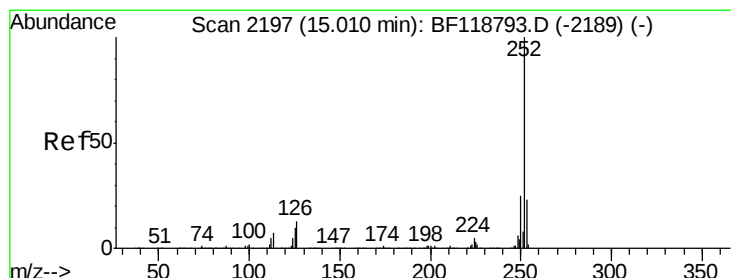
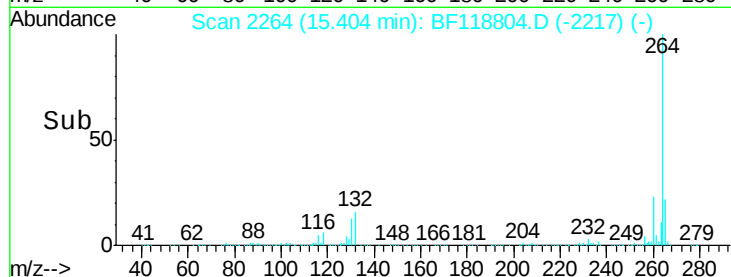
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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

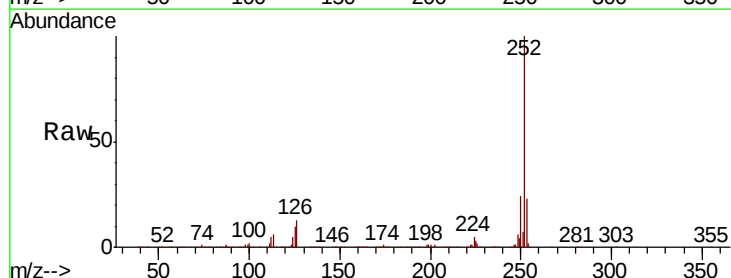


Time-->

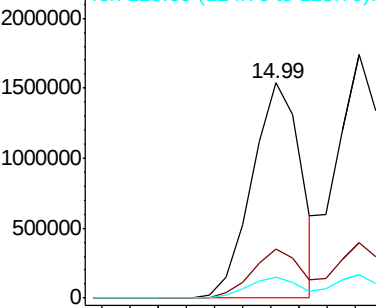


#88  
Benzo(b)fluoranthene  
Concen: 45.802 ng  
RT: 14.99 min Scan# 2194  
Delta R.T. -0.02 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

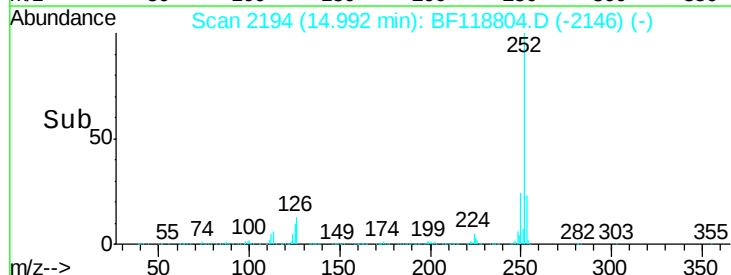
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.4  | 27.6  |
| 125     | 10.0  | 8.1   | 12.1  |

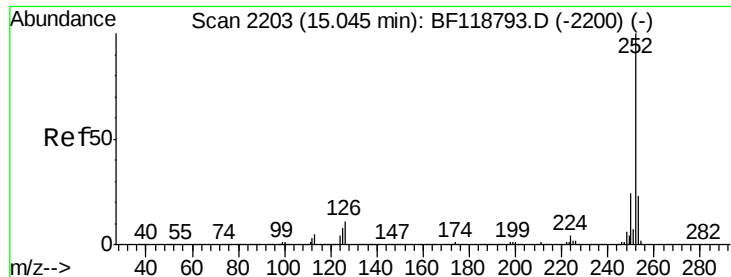


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



Time-->





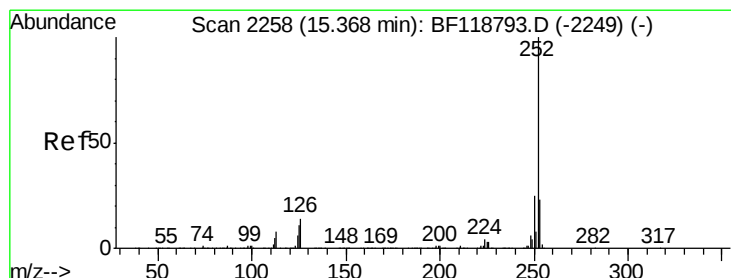
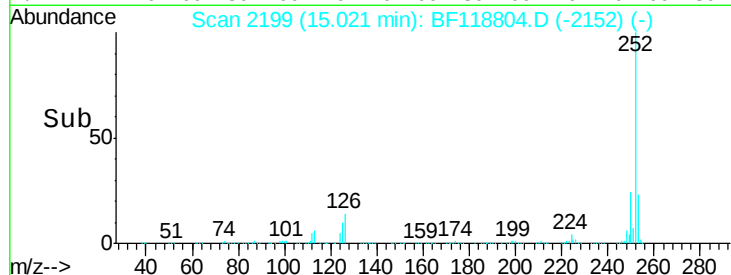
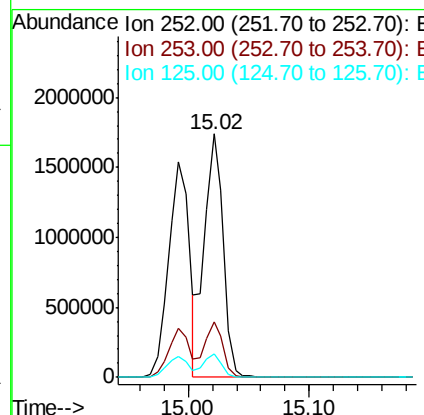
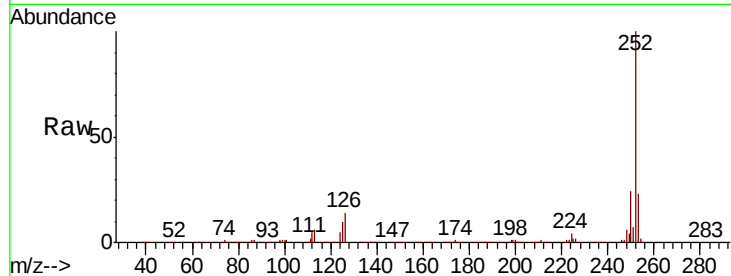
#89  
Benzo(k)fluoranthene  
Concen: 53.001 ng  
RT: 15.02 min Scan# 2199  
Delta R.T. -0.02 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 18.2  | 27.4  |
| 125     | 9.8   | 7.0   | 10.6  |

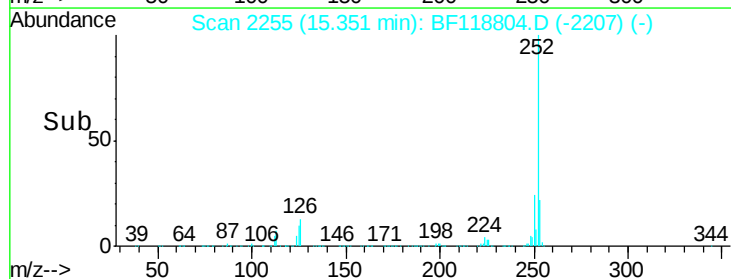
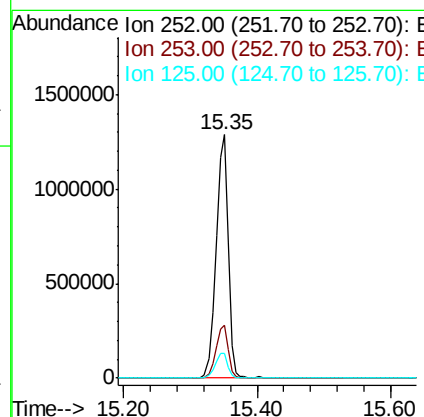
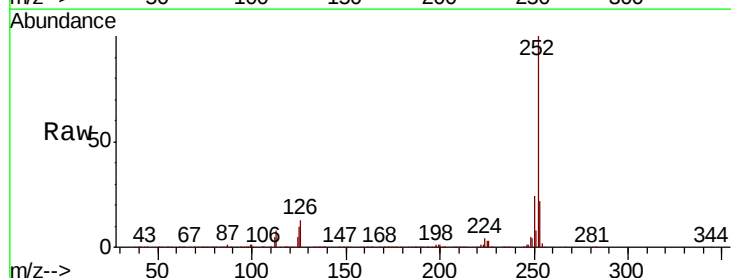
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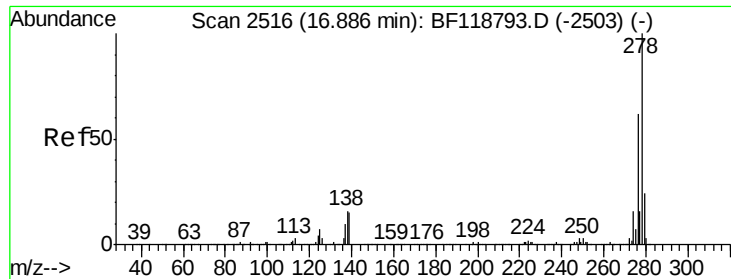
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#90  
Benzo(a)pyrene  
Concen: 47.423 ng  
RT: 15.35 min Scan# 2255  
Delta R.T. -0.02 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.1  | 27.1  |
| 125     | 10.3  | 8.7   | 13.1  |





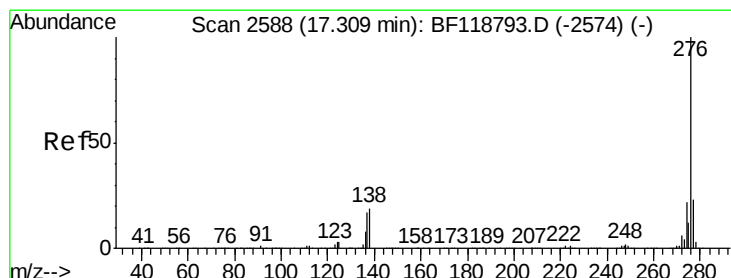
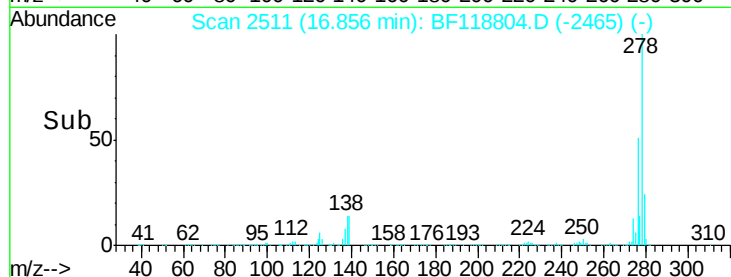
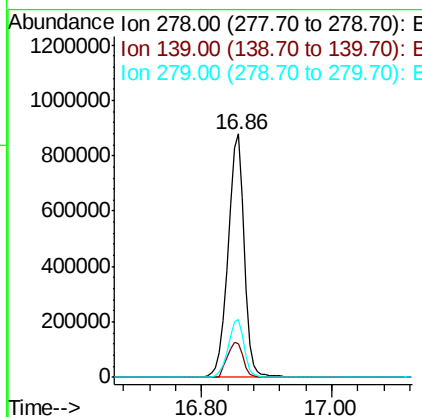
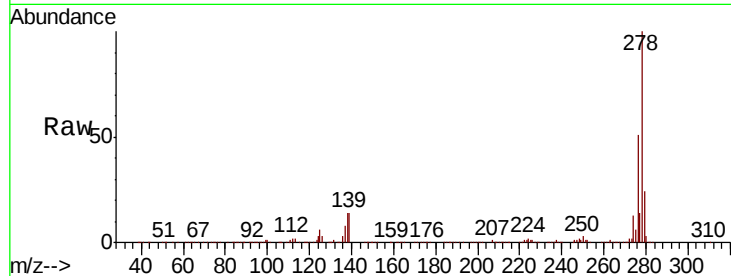
#91  
Dibenzo(a,h)anthracene  
Concen: 49.121 ng  
RT: 16.86 min Scan# 2511  
Delta R.T. -0.03 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB126588BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.0  | 12.3  | 18.5  |
| 279     | 23.9  | 19.1  | 28.7  |

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#92  
Benzo(g,h,i)perylene  
Concen: 51.303 ng  
RT: 17.27 min Scan# 2581  
Delta R.T. -0.04 min  
Lab File: BF118804.D  
Acq: 4 Feb 2020 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 18.7  | 28.1  |
| 138     | 20.6  | 15.4  | 23.2  |

