

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071019\  
 Data File : BF115455.D  
 Acq On : 10 Jul 2019 15:05  
 Operator : HP/JU  
 Sample : K3636-05MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

Manual Integrations  
 APPROVED

mohammad  
 7/11/2019 5:22:05 PM

Quant Time: Jul 11 12:38:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 10 16:47:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 154611   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 610118   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 306237   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 607065   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 410260   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.54 | 264  | 419732   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 569918  | 56.95  | ng | 0.00 |
| 7) Phenol-d6             | 6.52  | 99  | 486303  | 38.21  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.46  | 82  | 914770  | 88.59  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 376055  | 111.06 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.26  | 172 | 1575977 | 90.30  | ng | 0.00 |
| 79) Terphenyl-d14        | 13.00 | 244 | 1704516 | 85.07  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.70 | 88  | 73956   | 15.067 | ng | 98     |
| 3) Pyridine                    | 3.46 | 79  | 251194  | 18.507 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.39 | 42  | 74555   | 13.546 | ng | 96     |
| 6) Aniline                     | 6.55 | 93  | 379114  | 21.109 | ng | 99     |
| 8) 2-Chlorophenol              | 6.68 | 128 | 361354  | 31.980 | ng | 95     |
| 9) Benzaldehyde                | 6.44 | 77  | 255950  | 33.906 | ng | 98     |
| 10) Phenol                     | 6.53 | 94  | 212307m | 13.943 | ng |        |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 412195  | 36.489 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.84 | 146 | 460422  | 37.192 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 473096  | 38.153 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 442015  | 38.501 | ng | 97     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 254678  | 24.938 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 551388  | 34.909 | ng | 98     |
| 17) 2-Methylphenol             | 7.14 | 107 | 253005  | 26.136 | ng | 99     |
| 18) Hexachloroethane           | 7.41 | 117 | 170481  | 36.906 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 303587  | 35.259 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 279714  | 24.462 | ng | # 79   |
| 22) Acetophenone               | 7.30 | 105 | 597601  | 40.877 | ng | # 97   |
| 24) Nitrobenzene               | 7.47 | 77  | 472346  | 40.502 | ng | 98     |
| 25) Isophorone                 | 7.72 | 82  | 854350  | 38.170 | ng | 99     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 220686  | 46.028 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 320272  | 35.031 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 521221  | 37.764 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 349210  | 38.349 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 408644  | 40.311 | ng | 99     |
| 31) Naphthalene                | 8.20 | 128 | 1233931 | 40.718 | ng | 100    |
| 32) Benzoic acid               | 7.95 | 122 | 1725m   | 6.268  | ng |        |
| 33) 4-Chloroaniline            | 8.24 | 127 | 297906  | 22.033 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 225616  | 39.244 | ng | 99     |
| 35) Caprolactam                | 8.60 | 113 | 17826   | 6.011  | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 345981  | 35.921 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 828797  | 40.917 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.99 | 142 | 778698  | 40.292 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 374026  | 42.455 | ng | 99     |

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 Sample : K3636-05MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

Manual Integrations  
 APPROVED

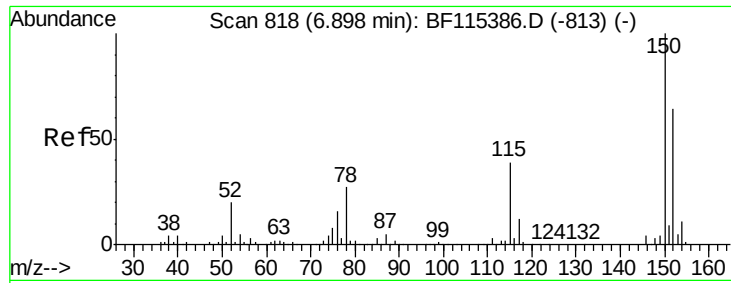
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 7/11/2019 5:22:05 PM

Quant Time: Jul 11 12:38:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 10 16:47:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 414992   | 81.272 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 246830   | 38.483 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.20  | 196  | 257293   | 38.686 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.36  | 154  | 1023922  | 42.531 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.38  | 162  | 808549   | 40.636 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.47  | 65   | 251083   | 42.951 | ng    | 97       |
| 49) Acenaphthylene             | 9.80  | 152  | 1245857  | 41.356 | ng    | 99       |
| 50) Dimethylphthalate          | 9.66  | 163  | 1043626  | 45.404 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.71  | 165  | 222751   | 44.684 | ng    | 98       |
| 52) Acenaphthene               | 9.97  | 154  | 749270   | 39.519 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 174044   | 30.060 | ng    | 93       |
| 54) 2,4-Dinitrophenol          | 9.98  | 184  | 30015    | 21.934 | ng    | # 51     |
| 55) Dibenzofuran               | 10.14 | 168  | 1140787  | 42.714 | ng    | 100      |
| 56) 4-Nitrophenol              | 10.03 | 139  | 127038   | 28.360 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 295582   | 46.657 | ng    | # 86     |
| 58) Fluorene                   | 10.48 | 166  | 814678   | 38.695 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 195660   | 34.055 | ng    | 99       |
| 60) Diethylphthalate           | 10.35 | 149  | 920179   | 40.672 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 418063   | 40.684 | ng    | 96       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 232251   | 40.867 | ng    | 99       |
| 63) Azobenzene                 | 10.63 | 77   | 912323   | 39.120 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 61035    | 25.396 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 10.59 | 169  | 776675   | 40.605 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 270627   | 39.730 | ng    | 96       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 307297   | 40.203 | ng    | 96       |
| 69) Atrazine                   | 11.12 | 200  | 257629   | 43.522 | ng    | 99       |
| 70) Pentachlorophenol          | 11.22 | 266  | 218223   | 46.847 | ng    | 99       |
| 71) Phenanthrene               | 11.45 | 178  | 1291778  | 40.460 | ng    | 100      |
| 72) Anthracene                 | 11.50 | 178  | 1349099  | 42.139 | ng    | 100      |
| 73) Carbazole                  | 11.65 | 167  | 1212939  | 41.412 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.98 | 149  | 1405696  | 39.712 | ng    | 99       |
| 75) Fluoranthene               | 12.63 | 202  | 1380173  | 41.057 | ng    | 98       |
| 77) Benzidine                  | 12.74 | 184  | 364839   | 22.804 | ng    | 97       |
| 78) Pyrene                     | 12.86 | 202  | 1394779  | 43.718 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.48 | 149  | 590866   | 42.388 | ng    | 94       |
| 81) Benzo(a)anthracene         | 14.05 | 228  | 1095317  | 41.668 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 293804   | 30.803 | ng    | 96       |
| 83) Chrysene                   | 14.09 | 228  | 1140423  | 42.224 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 711202   | 41.199 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.66 | 149  | 1188892  | 38.687 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.04 | 276  | 1250925  | 58.290 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.12 | 252  | 1020124  | 37.328 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.14 | 252  | 1028644  | 42.324 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.49 | 252  | 989032   | 41.960 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.06 | 278  | 1043598  | 51.812 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.50 | 276  | 1079213  | 56.608 | ng    | 99       |

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





#1

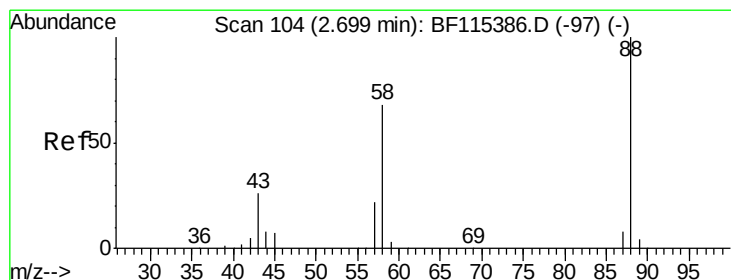
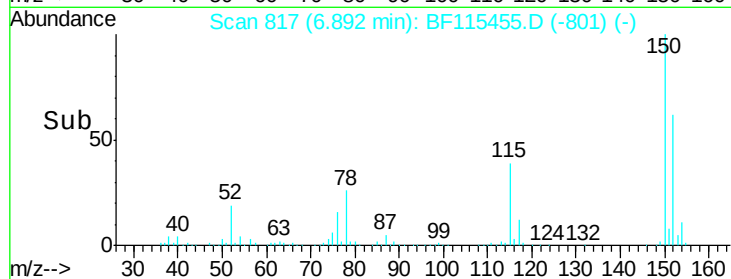
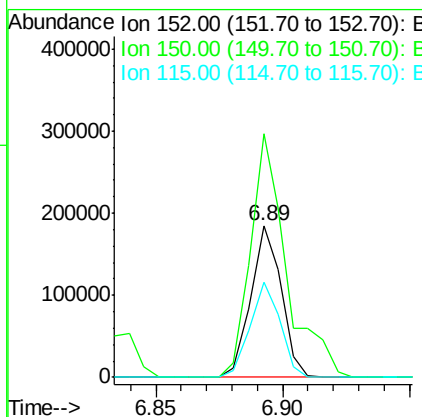
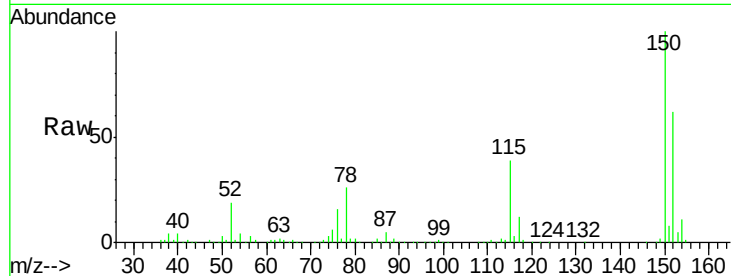
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 127.4 | 191.2 |
| 115     | 62.8  | 46.2  | 69.4  |

Manual Integrations  
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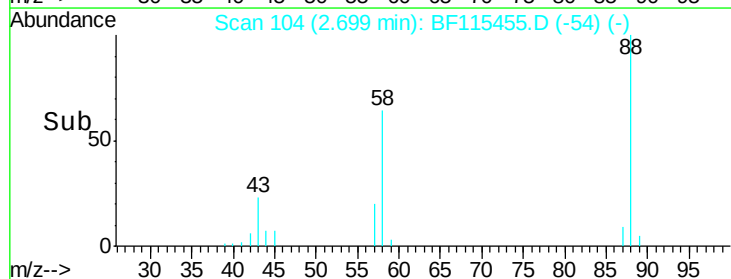
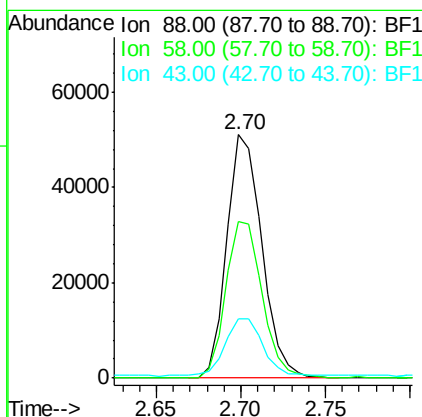
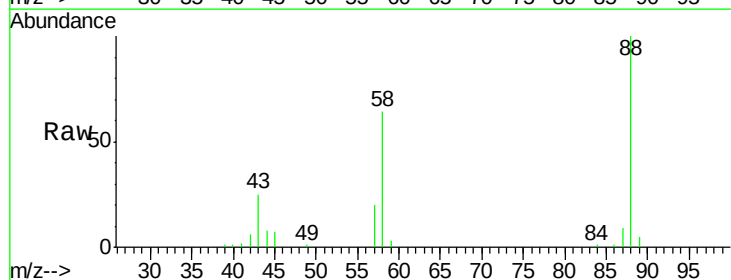
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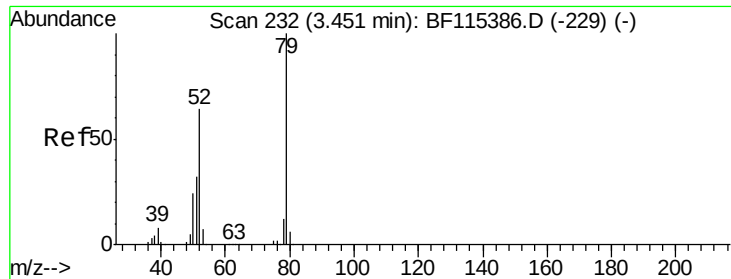


#2

1,4-Dioxane  
Concen: 15.067 ng  
RT: 2.70 min Scan# 104  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 66.6  | 52.5  | 78.7  |
| 43      | 25.3  | 19.0  | 28.6  |





#3

Pyridine

Concen: 18.507 ng

RT: 3.46 min Scan# 234

Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

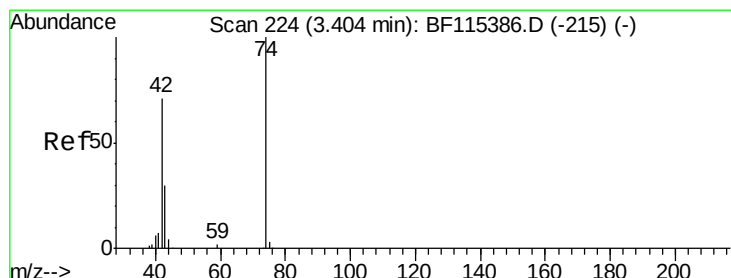
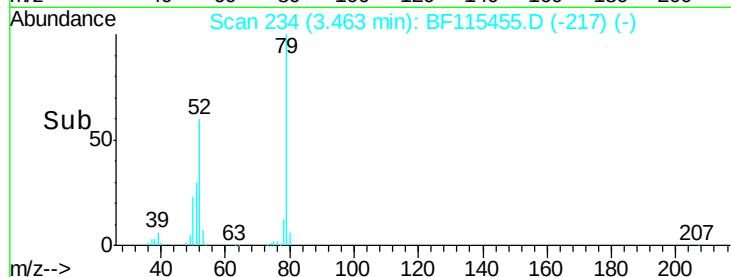
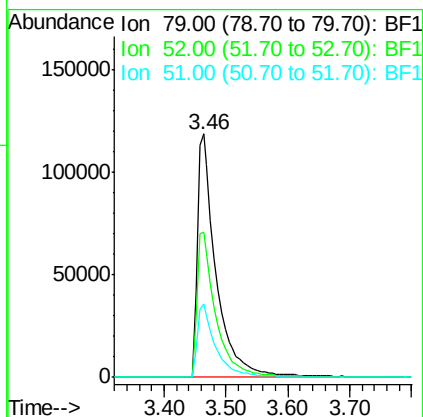
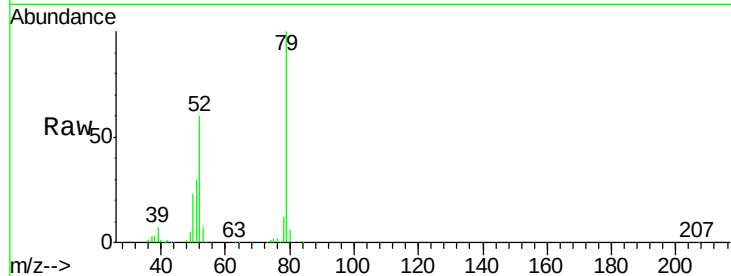
ClientSampleId :

SP19-JMW0991MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 251194 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 59.7  | 48.2  | 72.2   |
| 51       | 30.0  | 23.2  | 34.8   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 13.546 ng

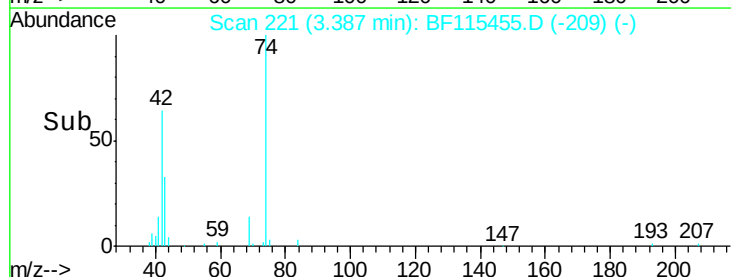
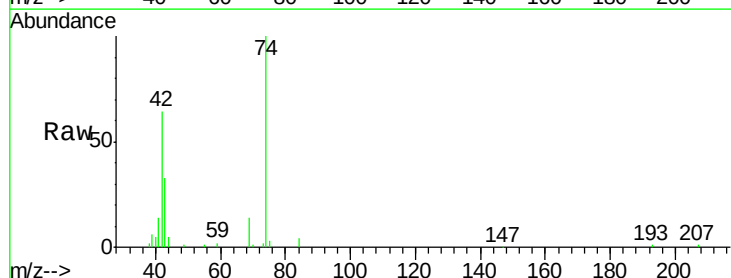
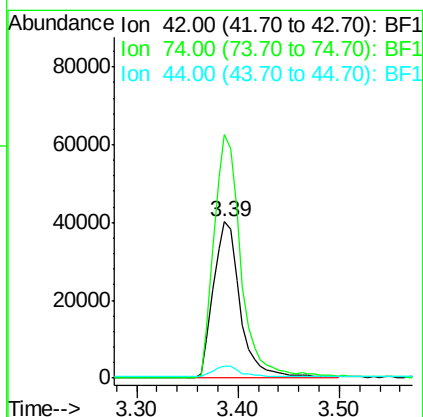
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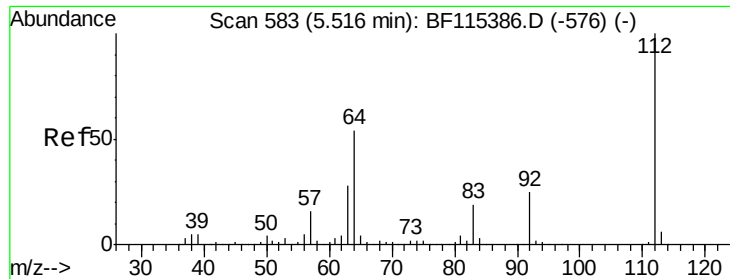
Delta R.T. -0.03 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 74555 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 155.8 | 128.5 | 192.7 |
| 44       | 7.9   | 5.3   | 7.9   |





#5

2-Fluorophenol

Concen: 56.952 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

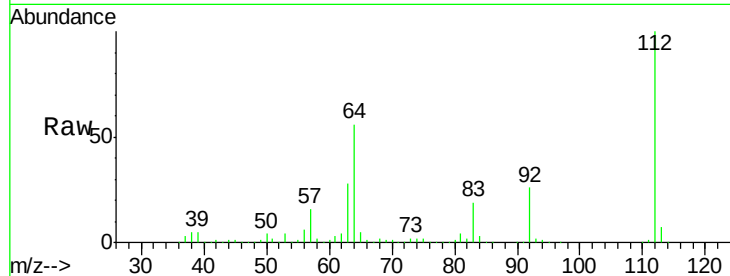
ClientSampleId :

SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 569918 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.3  | 44.2  | 66.2   |
| 63        | 28.2  | 22.1  | 33.1   |

Manual Integrations  
APPROVED

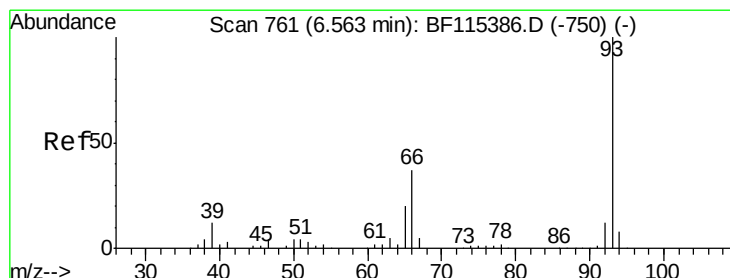
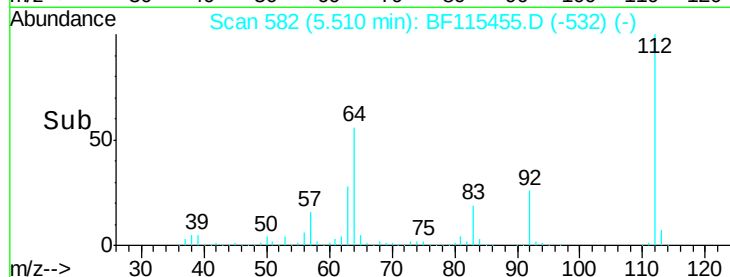
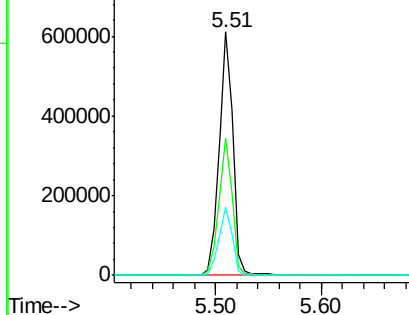
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Abundance Ion 112.00 (111.70 to 112.70): BF115386.D (-576) (-)

Ion 64.00 (63.70 to 64.70): BF115386.D (-576) (-)

Ion 63.00 (62.70 to 63.70): BF115386.D (-576) (-)



#6

Aniline

Concen: 21.109 ng

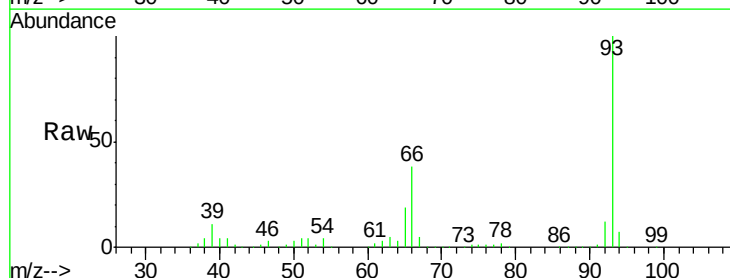
RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

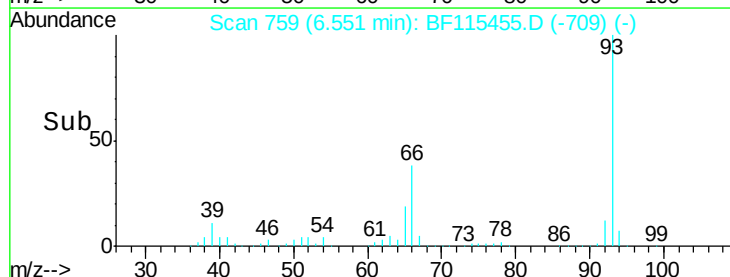
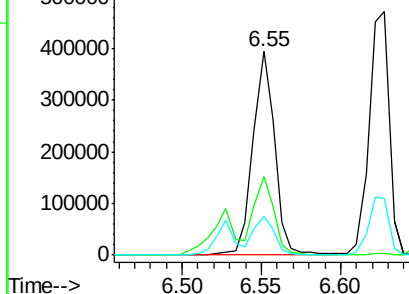
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 379114 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.3  | 31.3  | 46.9   |
| 65        | 19.3  | 15.9  | 23.9   |

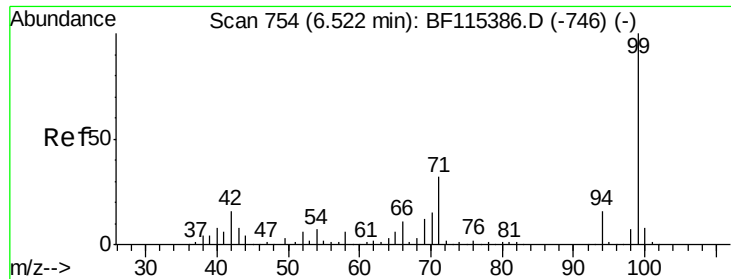


Abundance Ion 93.00 (92.70 to 93.70): BF115386.D (-750) (-)

Ion 66.00 (65.70 to 66.70): BF115386.D (-750) (-)

Ion 65.00 (64.70 to 65.70): BF115386.D (-750) (-)





#7

Phenol-d6

Concen: 38.211 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

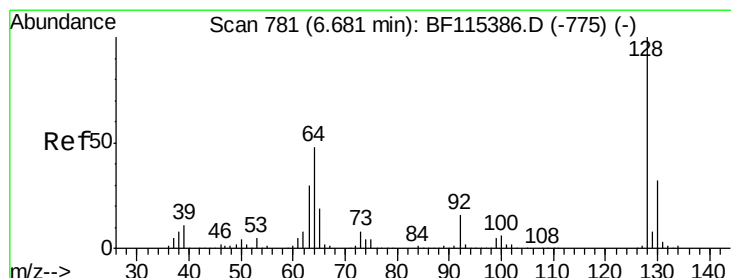
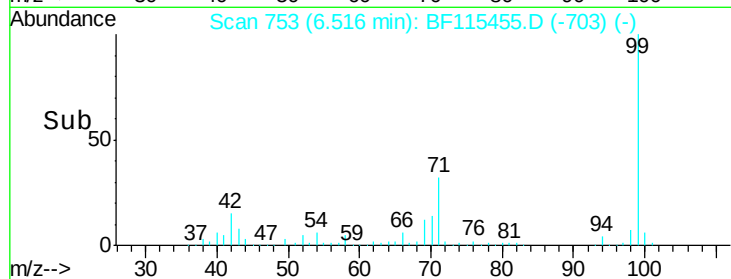
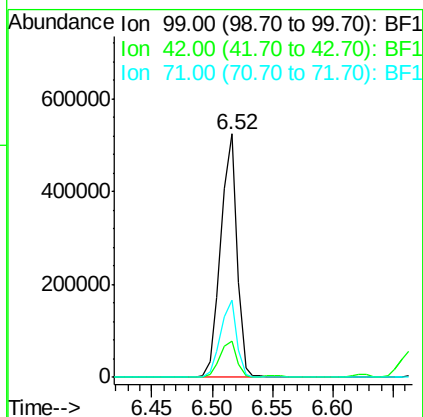
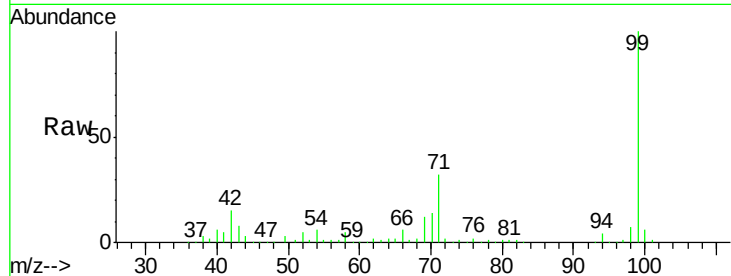
ClientSampleId :

SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 486303 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.9  | 12.8  | 19.2   |
| 71        | 31.9  | 26.5  | 39.7   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 31.980 ng

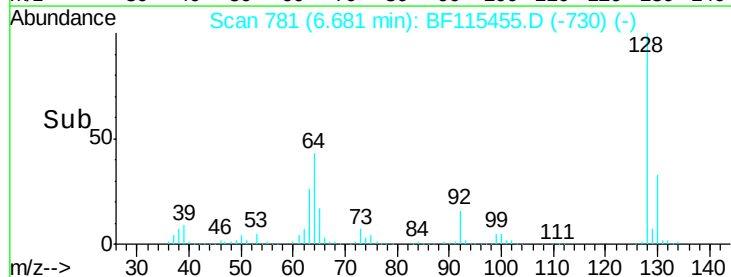
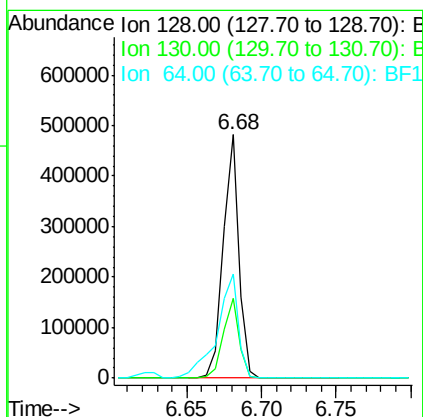
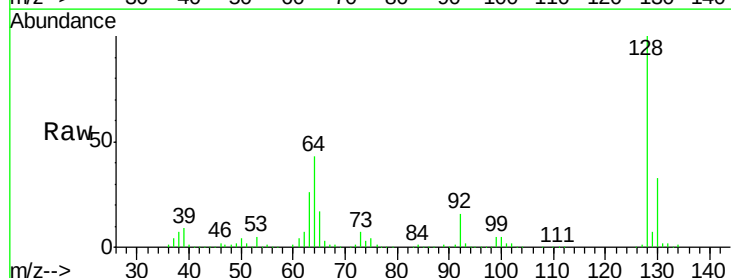
RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

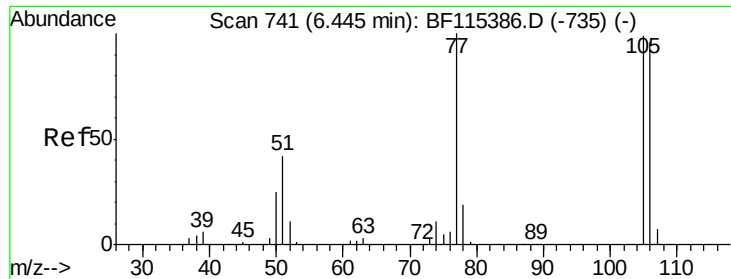
Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 361354 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.9  | 11.8  | 51.8   |
| 64        | 42.6  | 27.0  | 67.0   |







#9

Benzaldehyde

Concen: 33.906 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

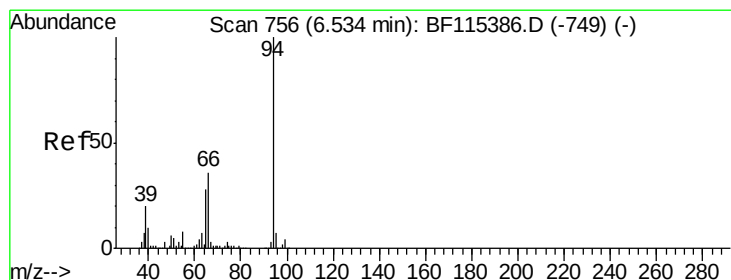
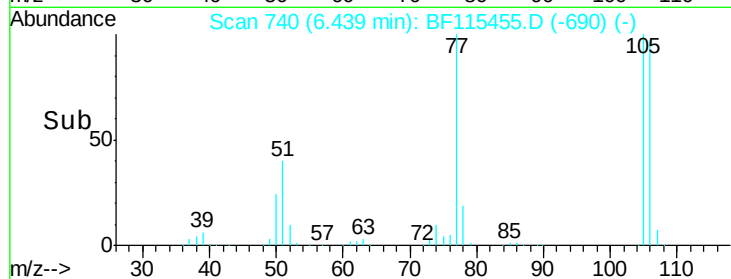
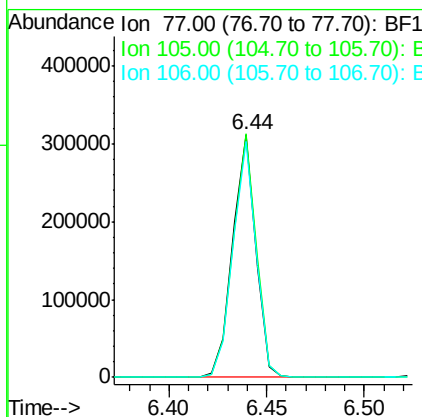
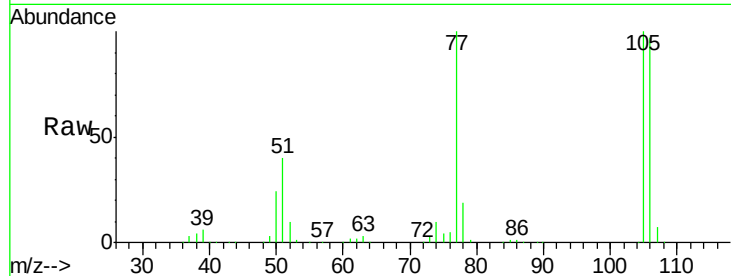
ClientSampleId :

SP19-JMW0991MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 255950 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 100.5 | 82.9  | 122.9  |
| 106      | 97.2  | 77.8  | 117.8  |

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#10

Phenol

Concen: 13.943 ng m

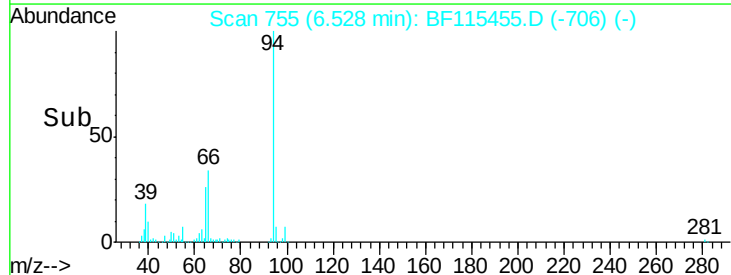
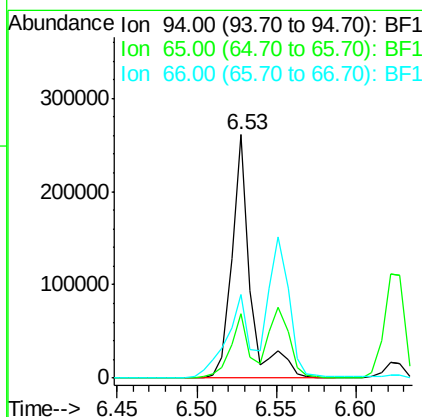
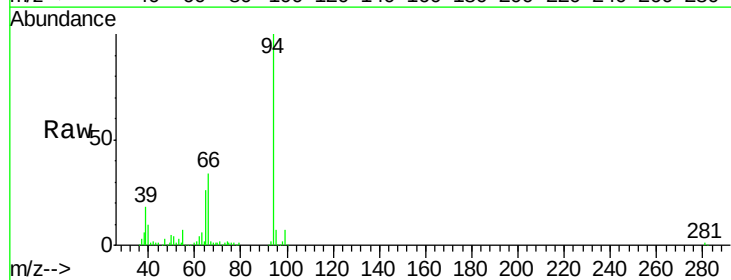
RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

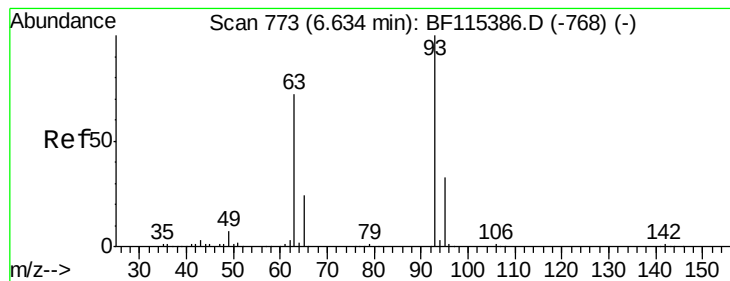
Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 212307 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 26.4  | 7.2   | 47.2   |
| 66       | 34.2  | 16.9  | 56.9   |







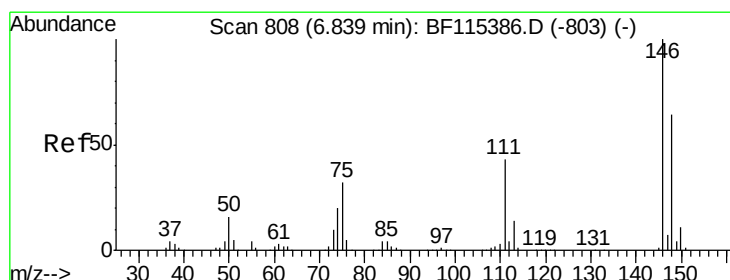
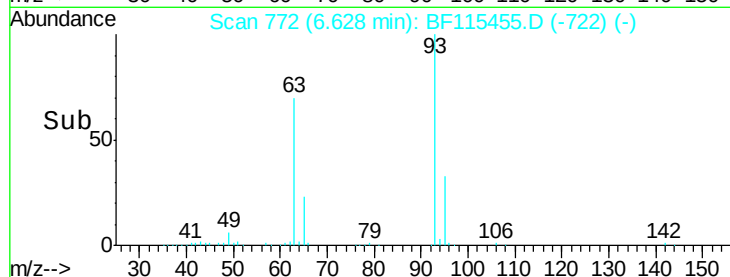
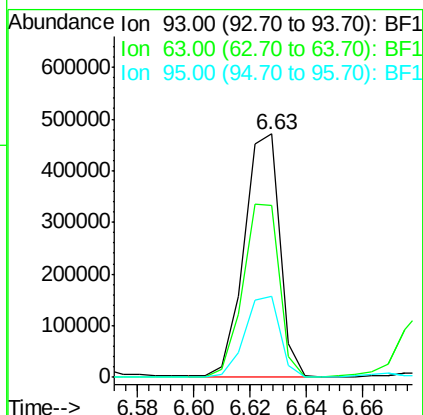
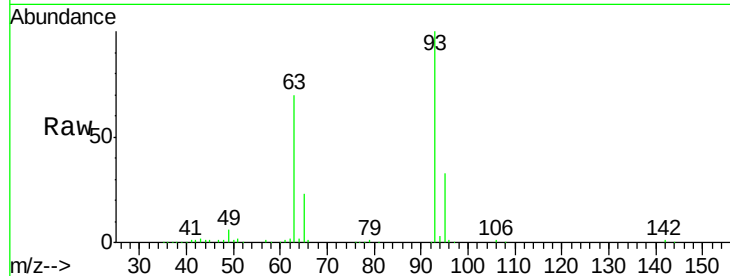
#11  
bis(2-Chloroethyl)ether  
Concen: 36.489 ng  
RT: 6.63 min Scan# 772  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 412195 |       |       |
| 63      | 70.4  | 50.0   | 90.0  |       |
| 95      | 33.3  | 12.6   | 52.6  |       |

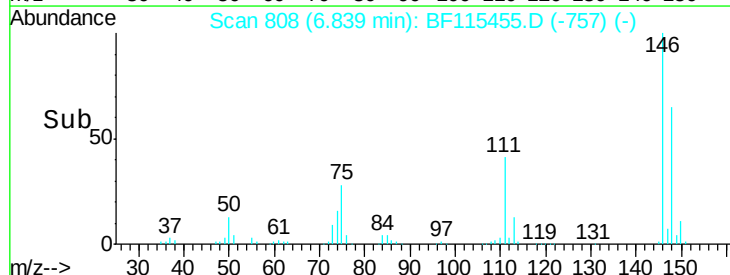
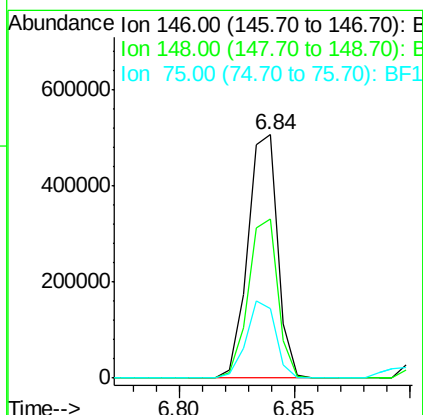
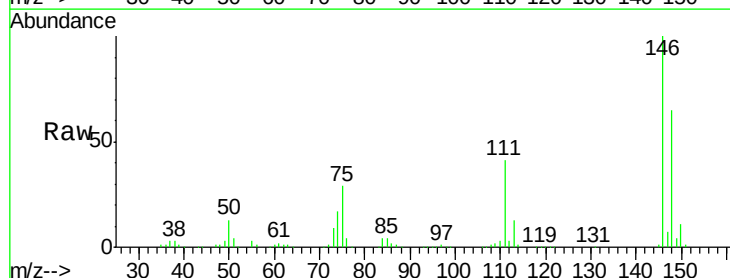
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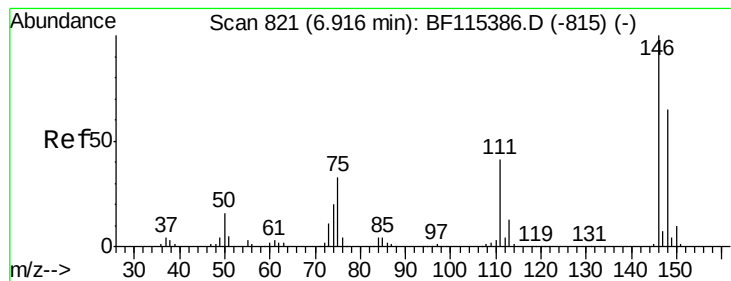
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#12  
1,3-Dichlorobenzene  
Concen: 37.192 ng  
RT: 6.84 min Scan# 808  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 460422 |       |       |
| 148     | 65.2  | 52.3   | 78.5  |       |
| 75      | 28.5  | 24.8   | 37.2  |       |





#13

1,4-Dichlorobenzene

Concen: 38.153 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

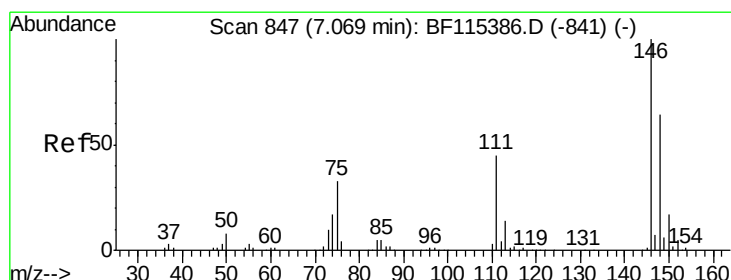
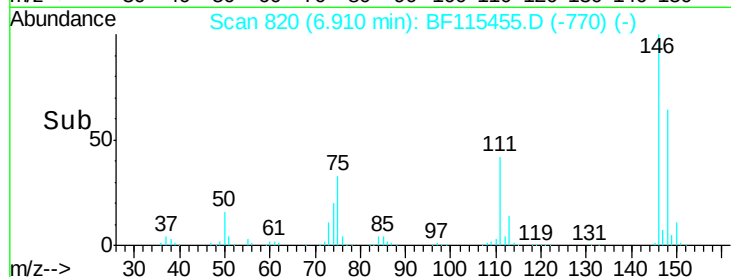
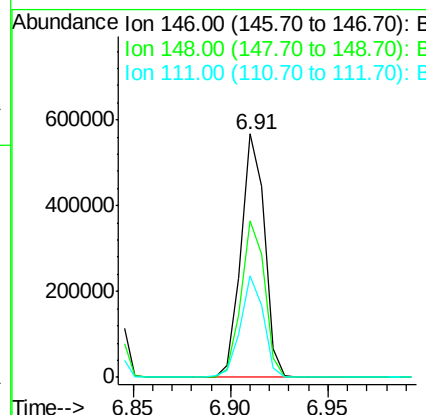
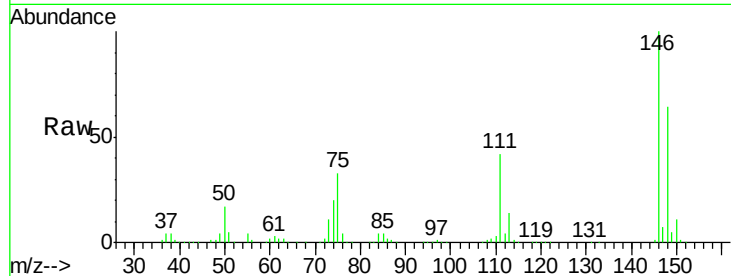
ClientSampleId :

SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 473096 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 51.3  | 76.9   |
| 111       | 41.6  | 32.1  | 48.1   |

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#14

1,2-Dichlorobenzene

Concen: 38.501 ng

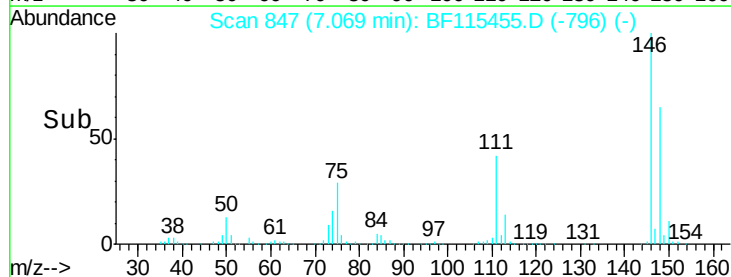
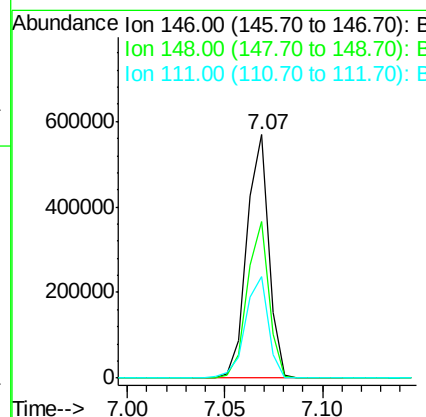
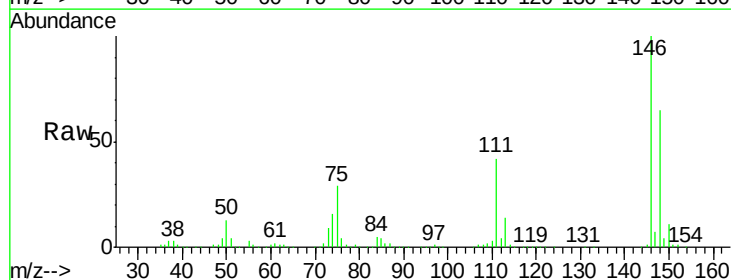
RT: 7.07 min Scan# 847

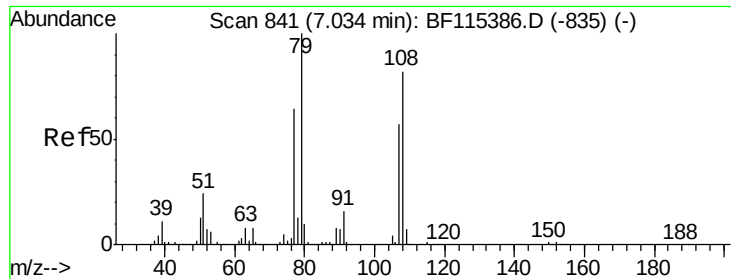
Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 442015 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 50.6  | 75.8   |
| 111       | 41.7  | 35.4  | 53.2   |





#15

Benzyl Alcohol

Concen: 24.938 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

ClientSampleId :

SP19-JMW0991MS

Tgt Ion: 79 Resp: 254678

Ion Ratio Lower Upper

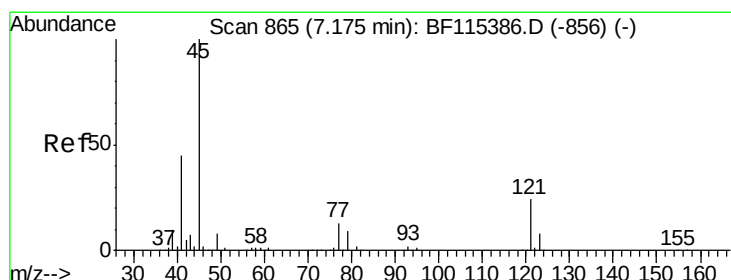
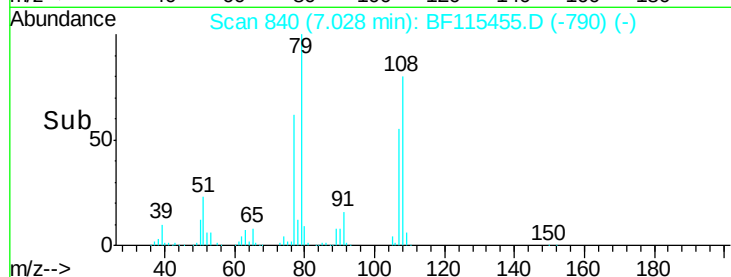
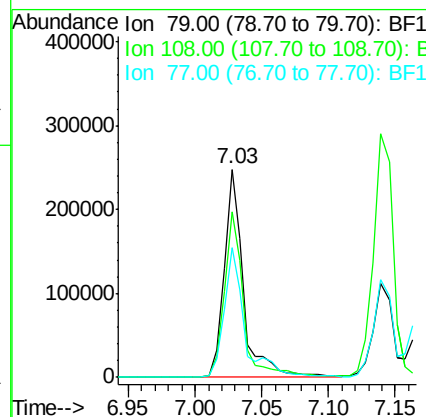
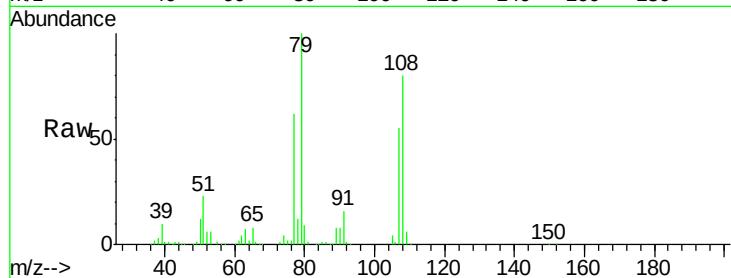
79 100

108 79.6 65.3 97.9

77 62.1 50.6 75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.909 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

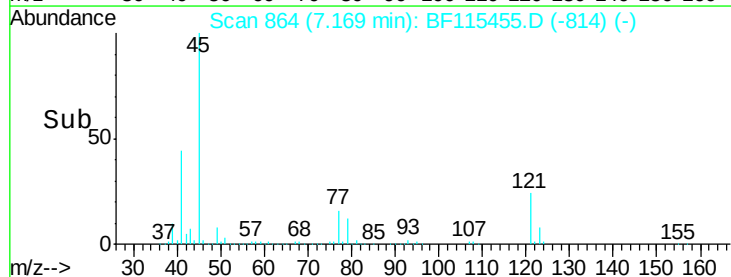
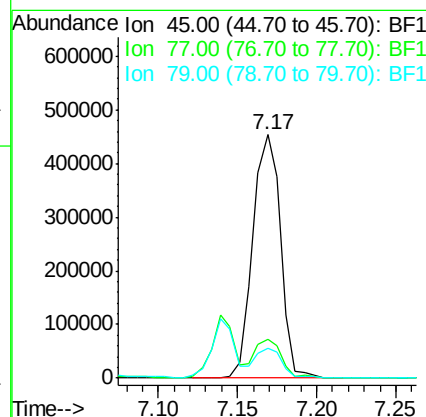
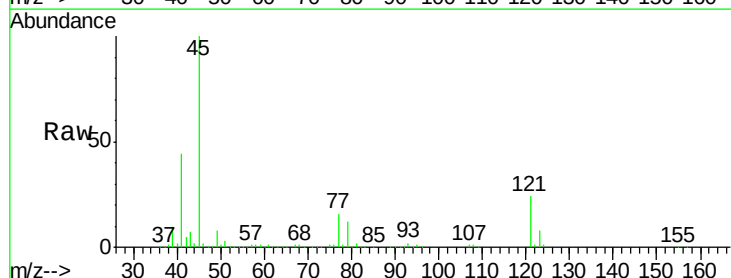
Tgt Ion: 45 Resp: 551388

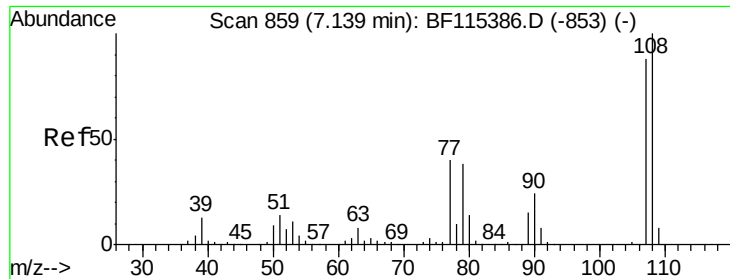
Ion Ratio Lower Upper

45 100

77 16.1 0.0 36.4

79 12.2 0.0 33.4





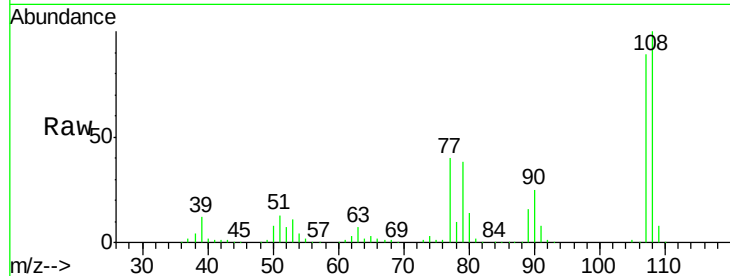
#17  
2-Methylphenol  
Concen: 26.136 ng  
RT: 7.14 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 253005 |       |       |
| 108     | 112.9 | 90.0   | 135.0 |       |
| 77      | 45.6  | 35.0   | 52.4  |       |
| 79      | 43.4  | 34.4   | 51.6  |       |

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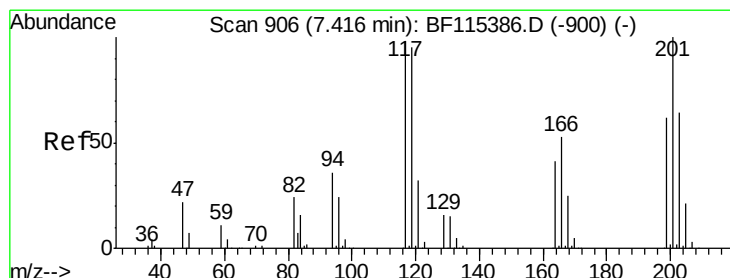
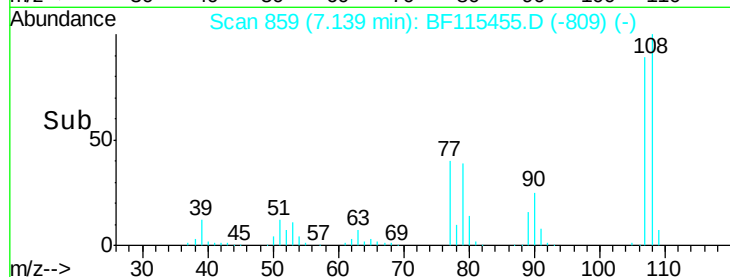
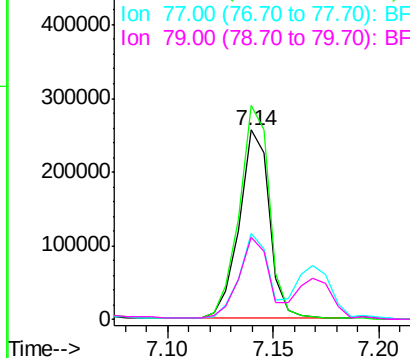
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

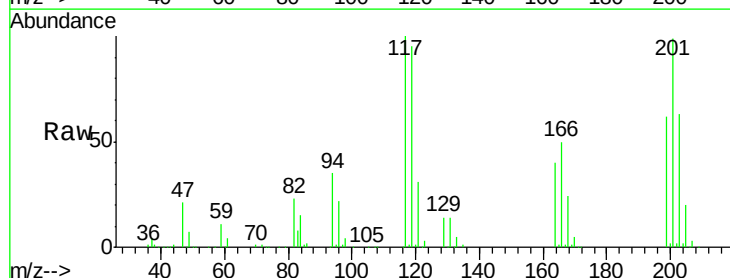
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 36.906 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 170481 |       |       |
| 119     | 95.4  | 76.8   | 115.2 |       |
| 201     | 98.9  | 85.8   | 128.6 |       |

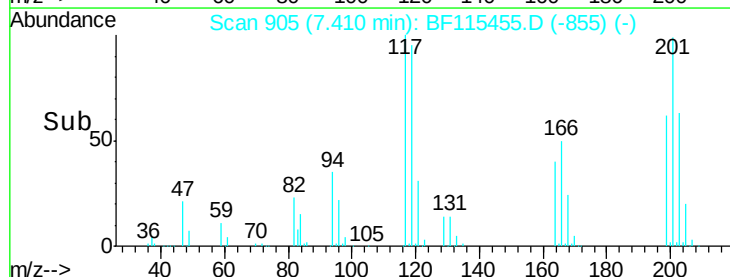
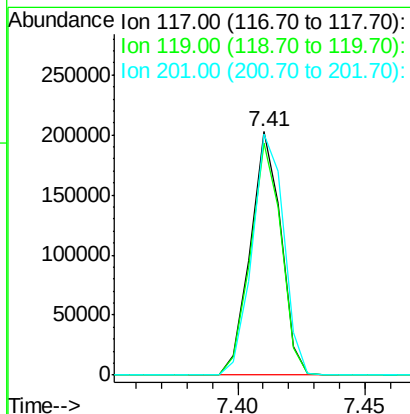


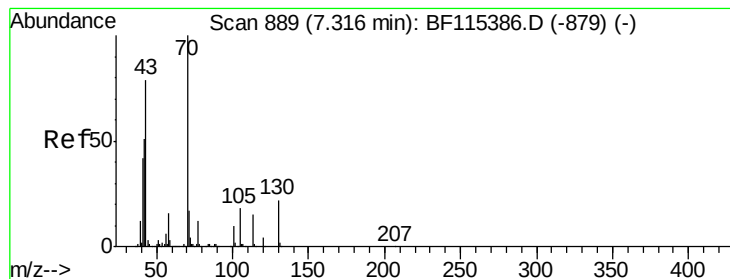
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 35.259 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF115455.D

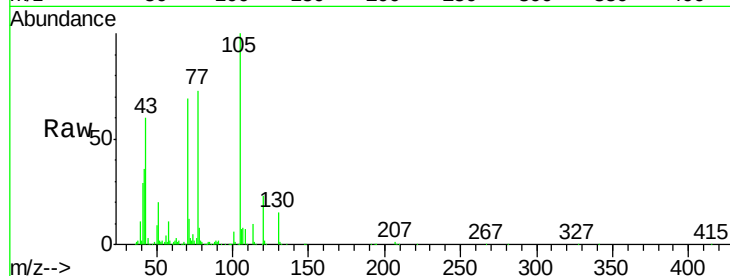
Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

ClientSampleId :

SP19-JMW0991MS



Tgt Ion: 70 Resp: 303587

Ion Ratio Lower Upper

70 100

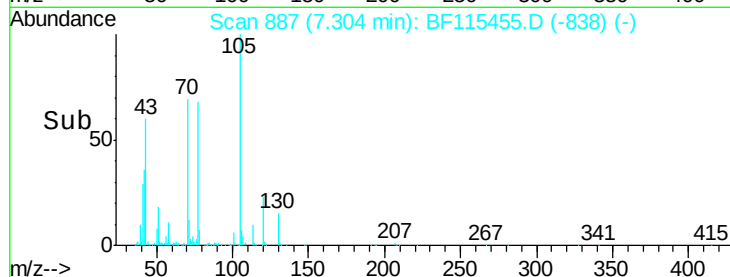
42 52.4 38.5 57.7

101 9.0 8.0 12.0

130 21.4 19.1 28.7

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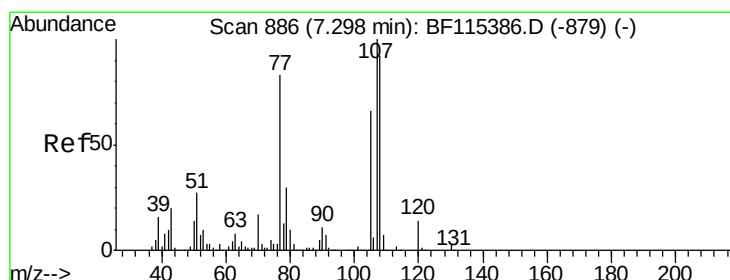
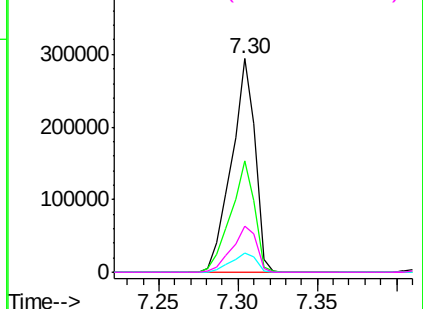


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 24.462 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Tgt Ion: 107 Resp: 279714

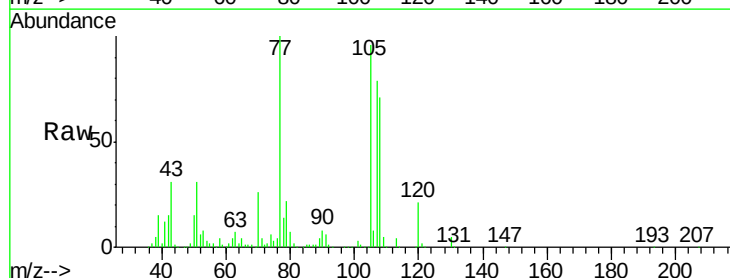
Ion Ratio Lower Upper

107 100

108 89.5 70.5 110.5

77 126.6 63.0 103.0#

79 27.8 8.3 48.3

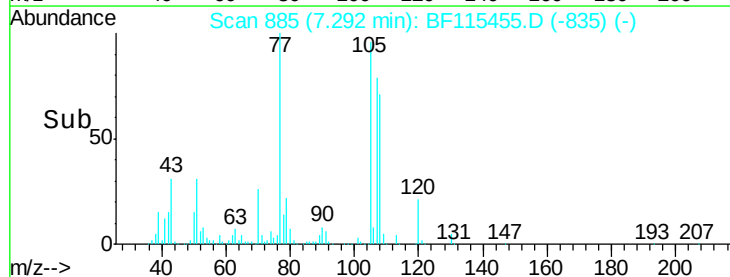
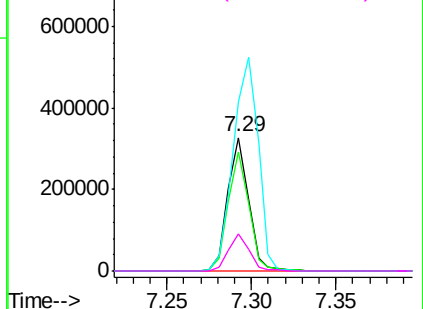


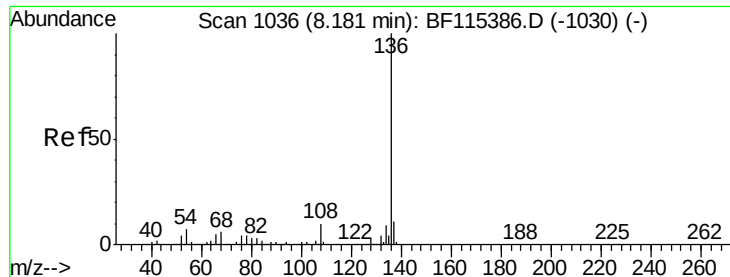
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115455.D

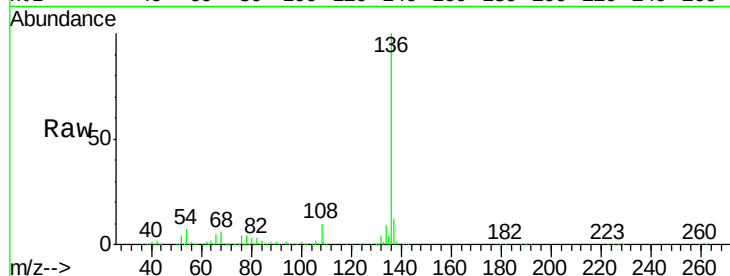
Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

ClientSampleId :

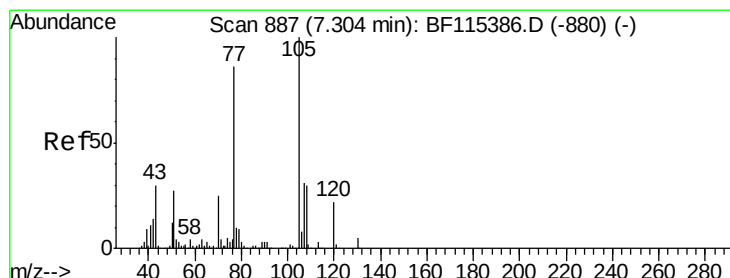
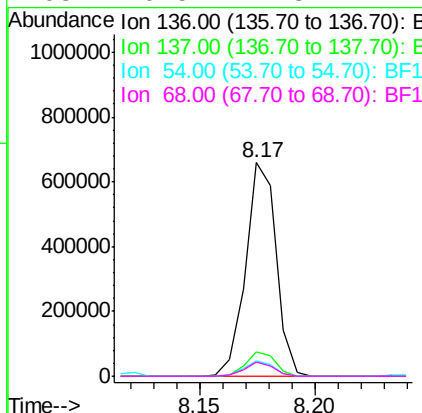
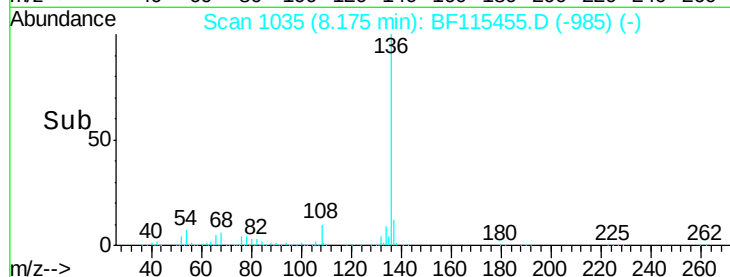
SP19-JMW0991MS



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 610118 |       |       |
| 137     | 11.6  | 8.8    | 13.2  |       |
| 54      | 7.3   | 5.4    | 8.0   |       |
| 68      | 6.5   | 4.8    | 7.2   |       |

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#22

Acetophenone

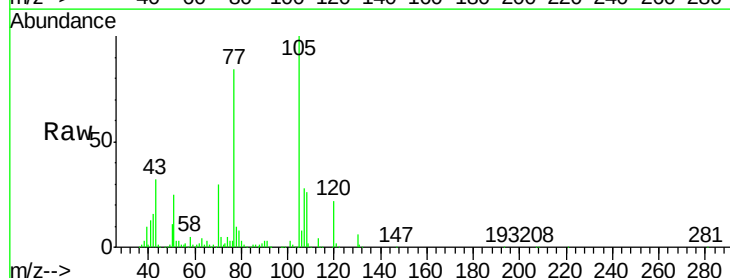
Concen: 40.877 ng

RT: 7.30 min Scan# 886

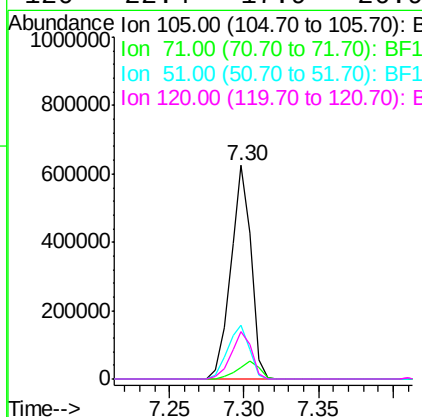
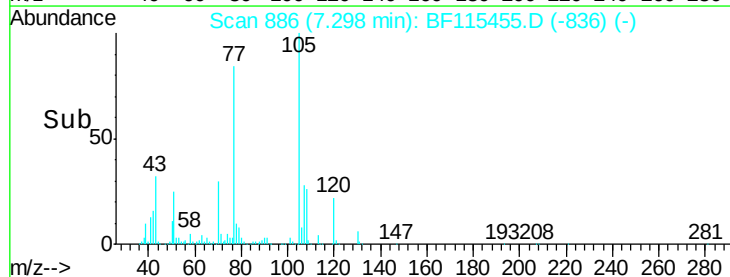
Delta R.T. -0.01 min

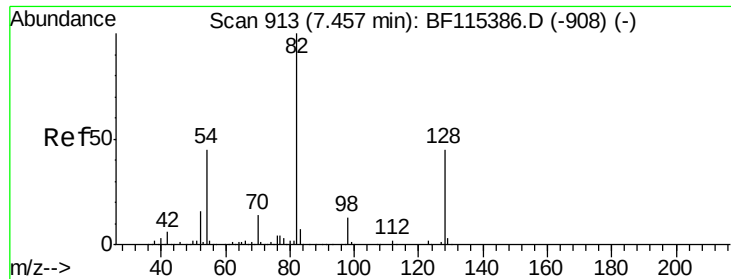
Lab File: BF115455.D

Acq: 10 Jul 2019 15:05



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 597601 |       |       |
| 71      | 5.3   | 3.5    | 5.3#  |       |
| 51      | 25.4  | 22.6   | 33.8  |       |
| 120     | 22.4  | 17.9   | 26.9  |       |





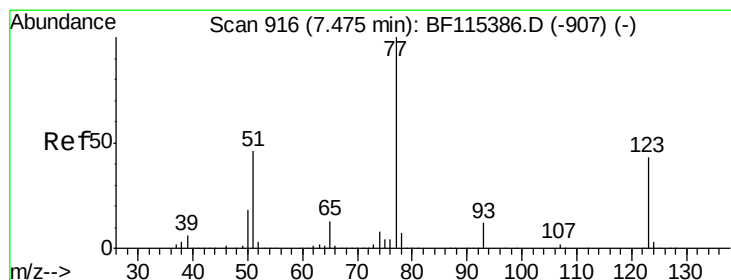
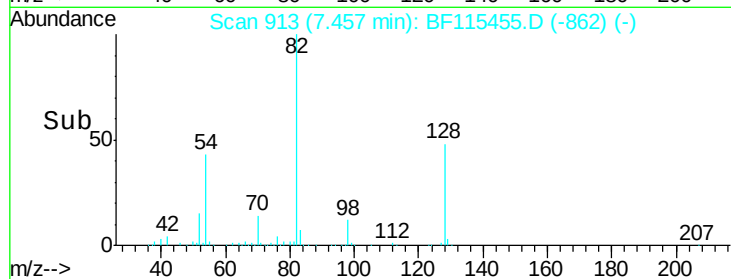
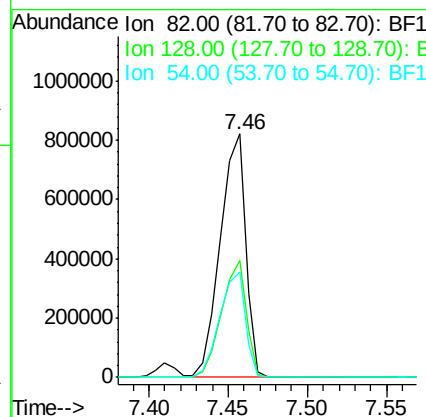
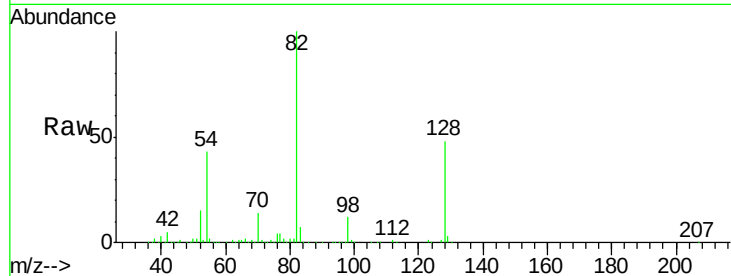
#23  
 Nitrobenzene-d5  
 Concen: 88.585 ng  
 RT: 7.46 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.0  | 36.7  | 55.1  |
| 54      | 43.2  | 35.6  | 53.4  |

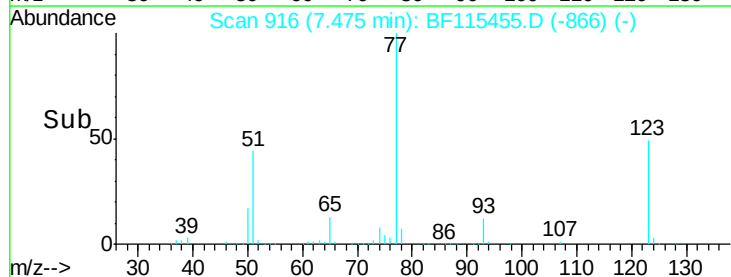
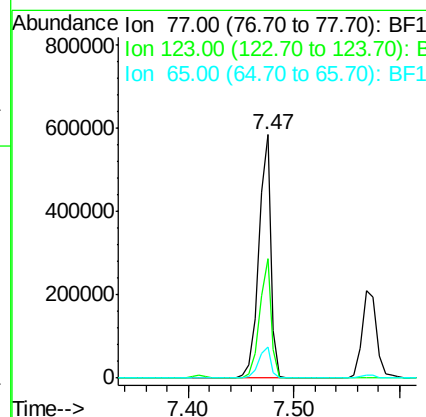
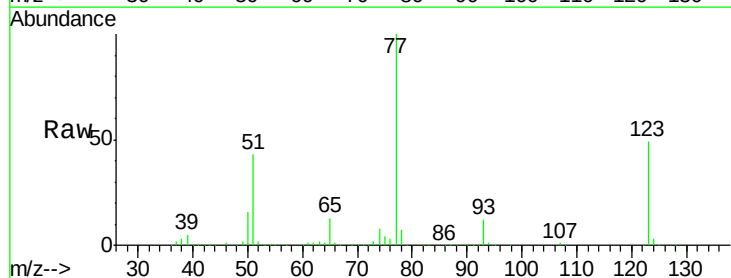
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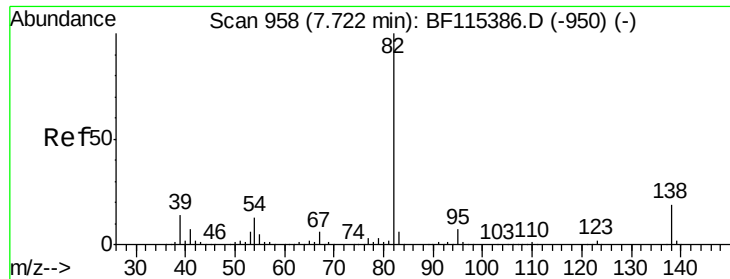


#24  
 Nitrobenzene  
 Concen: 40.502 ng  
 RT: 7.47 min Scan# 916  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.9  | 40.4  | 60.6  |
| 65      | 12.9  | 10.4  | 15.6  |







#25

Isophorone

Concen: 38.170 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

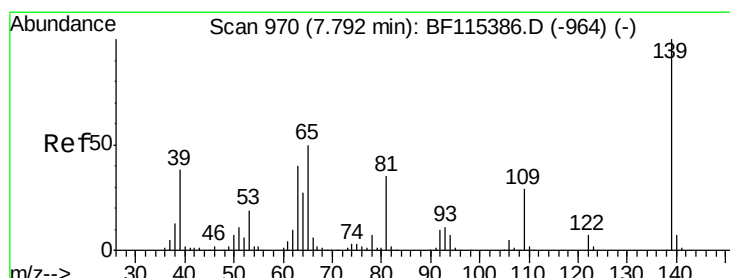
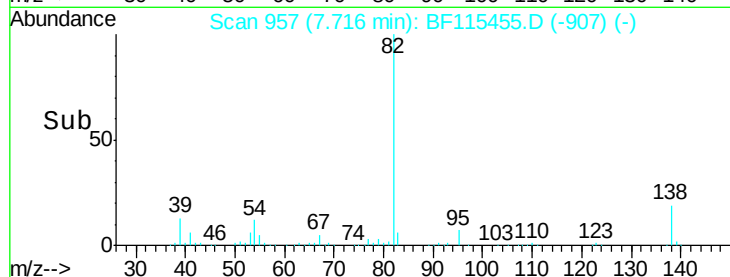
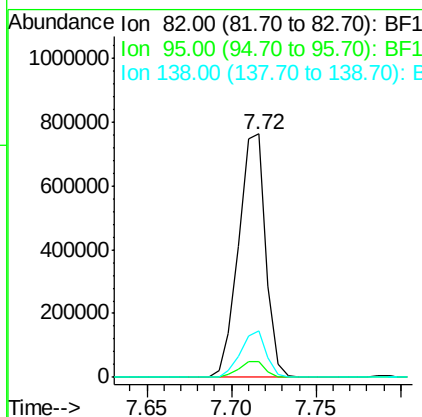
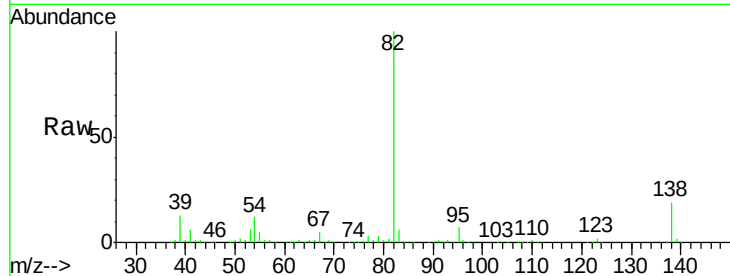
ClientSampleId :

SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 854350 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.7   | 5.4   | 8.2    |
| 138       | 19.2  | 15.1  | 22.7   |

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7/11/2019 5:22:05 PM



#26

2-Nitrophenol

Concen: 46.028 ng

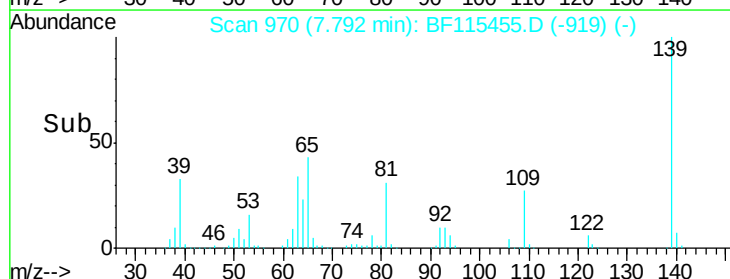
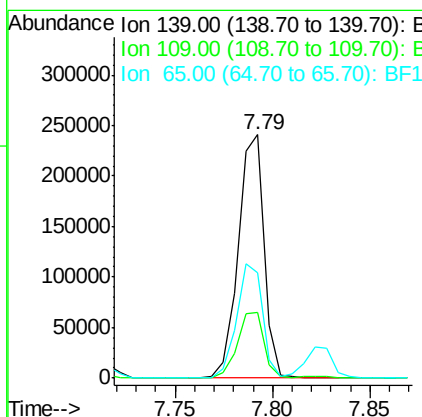
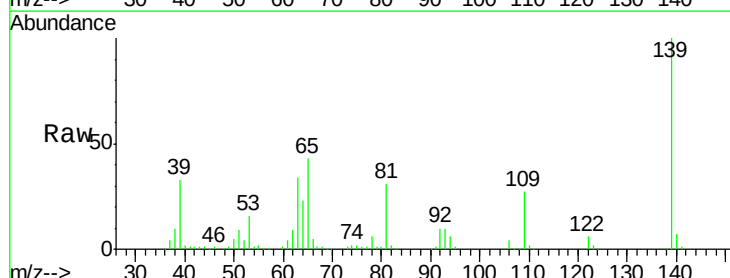
RT: 7.79 min Scan# 970

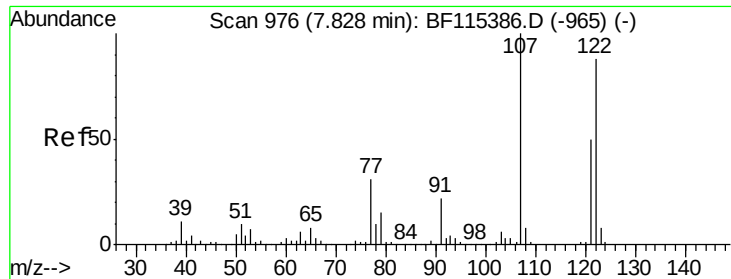
Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 220686 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 27.0  | 22.2  | 33.4   |
| 65        | 43.3  | 37.5  | 56.3   |





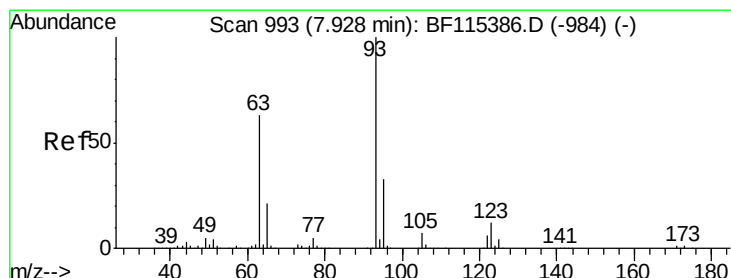
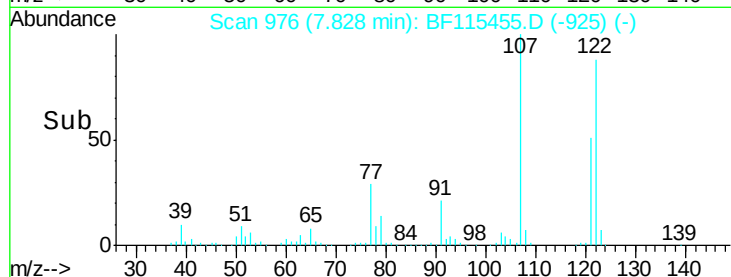
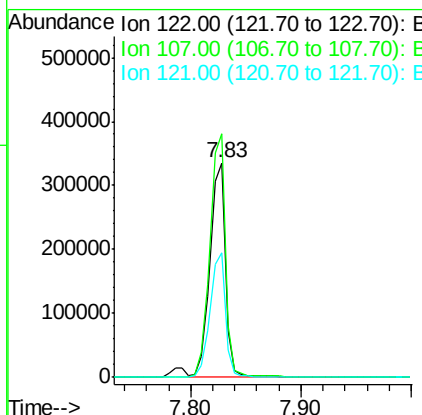
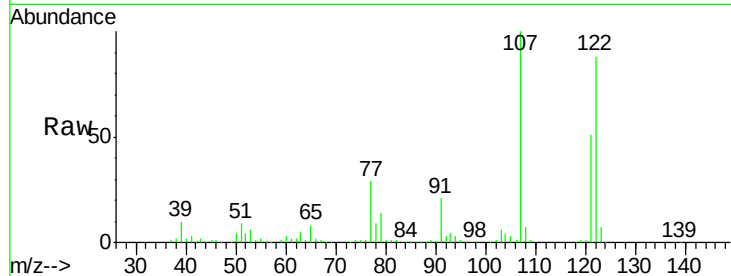
#27  
2,4-Dimethylphenol  
Concen: 35.031 ng  
RT: 7.83 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.5 | 91.7  | 137.5 |
| 121     | 58.2  | 47.7  | 71.5  |

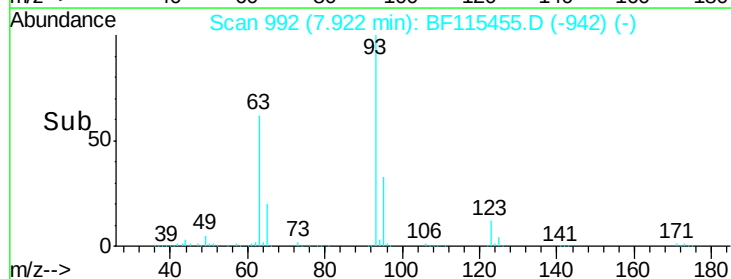
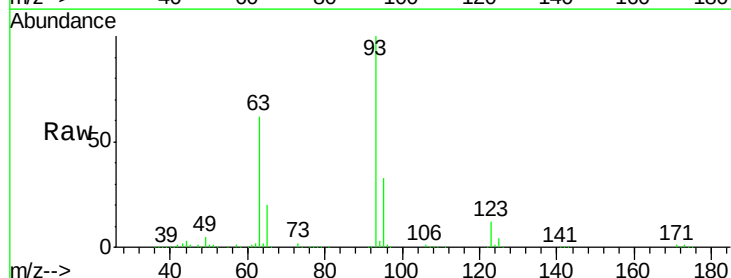
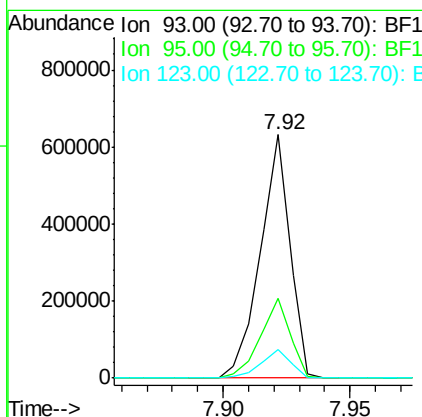
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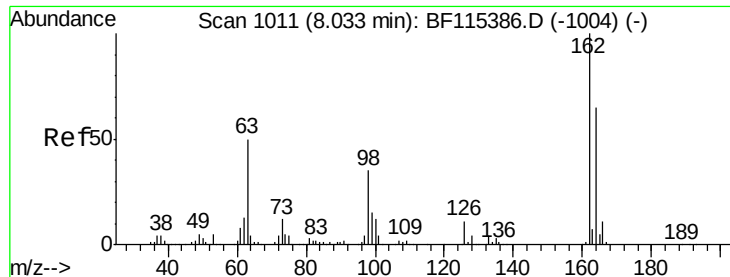
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#28  
bis(2-Chloroethoxy)methane  
Concen: 37.764 ng  
RT: 7.92 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.0  | 26.6  | 39.8  |
| 123     | 11.6  | 10.4  | 15.6  |





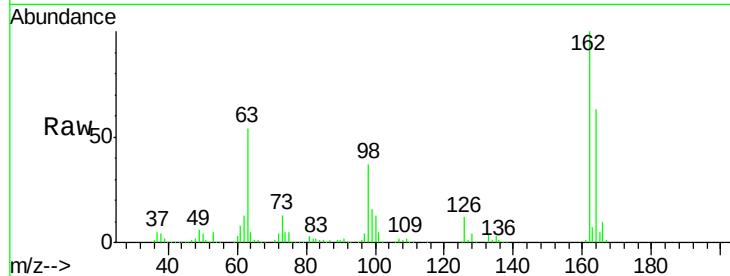
#29  
2,4-Dichlorophenol  
Concen: 38.349 ng  
RT: 8.03 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

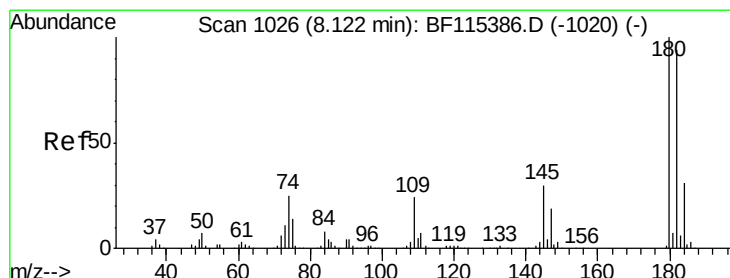
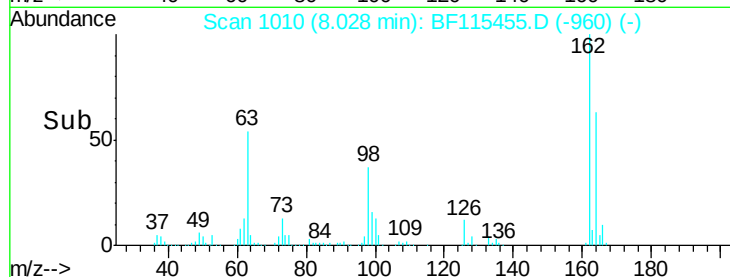
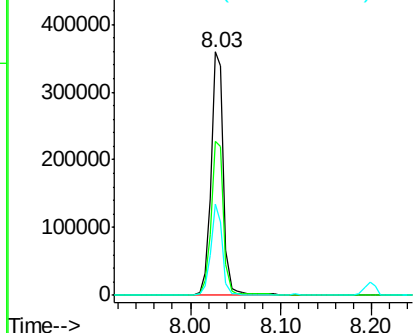
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 349210 |       |       |
| 164     | 63.2  | 45.2   | 85.2  |       |
| 98      | 37.4  | 17.0   | 57.0  |       |

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7/11/2019 5:22:05 PM

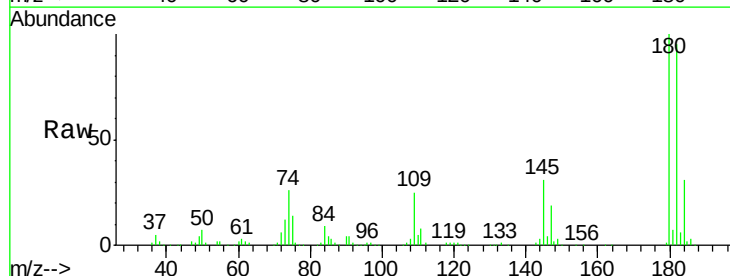


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

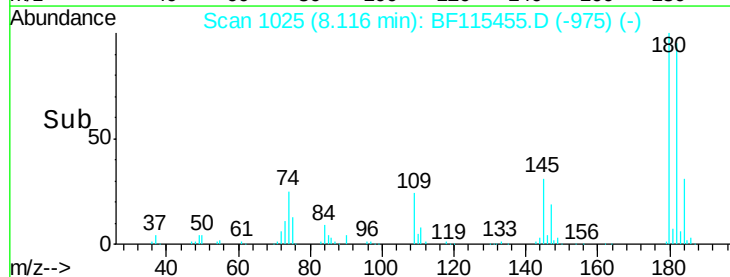
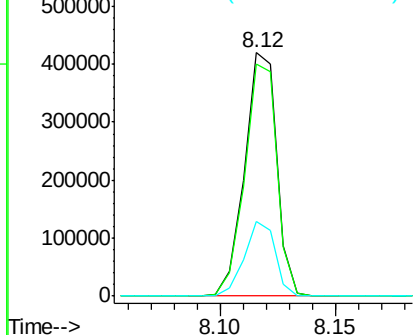


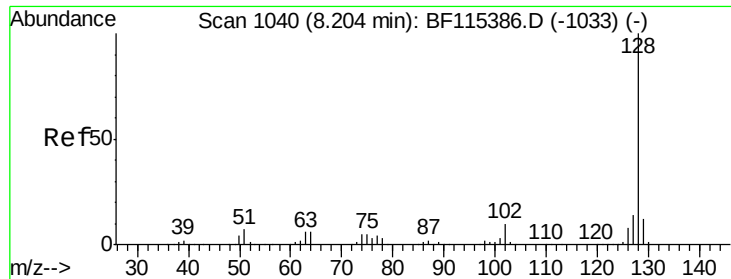
#30  
1,2,4-Trichlorobenzene  
Concen: 40.311 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 408644 |       |       |
| 182     | 95.2  | 77.1   | 115.7 |       |
| 145     | 30.5  | 23.9   | 35.9  |       |



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





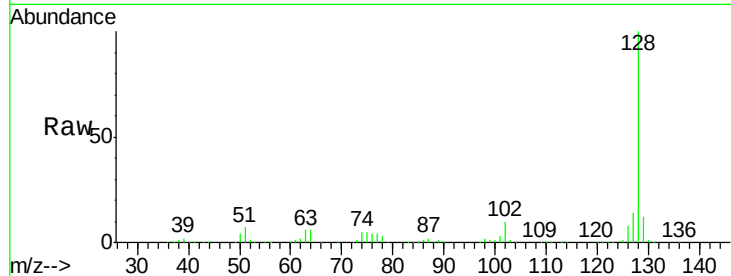
#31  
Naphthalene  
Concen: 40.718 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

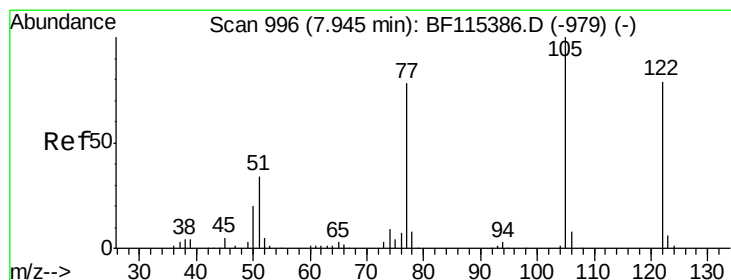
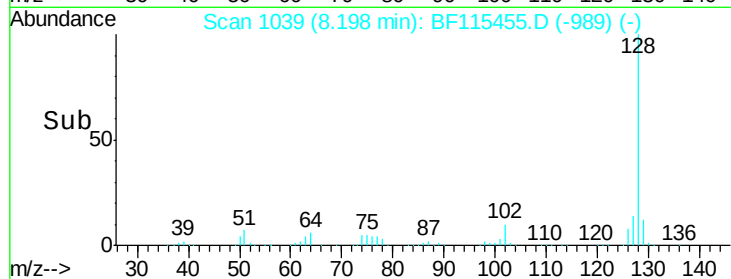
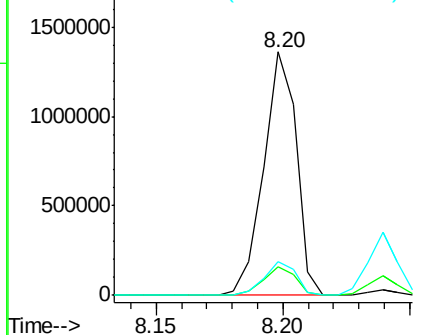
Tgt Ion:128 Resp: 1233931  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.3 13.9  
127 14.0 11.1 16.7

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7/11/2019 5:22:05 PM

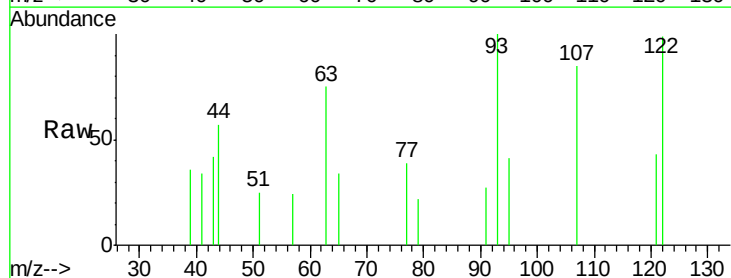


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

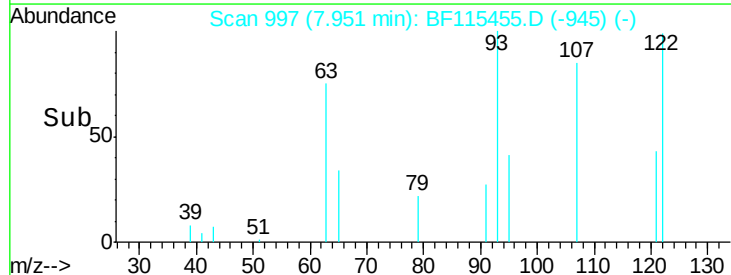
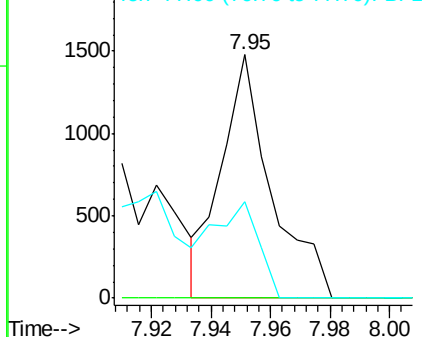


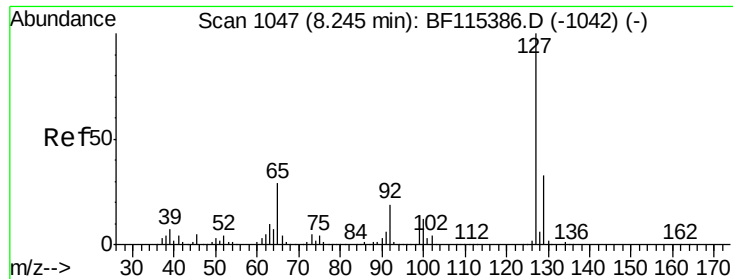
#32  
Benzoic acid  
Concen: 6.268 ng m  
RT: 7.95 min Scan# 997  
Delta R.T. 0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:122 Resp: 1725  
Ion Ratio Lower Upper  
122 100  
105 0.0 101.6 141.6#  
77 39.4 69.1 109.1#



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





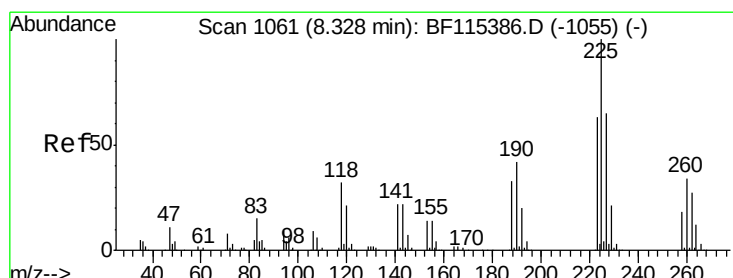
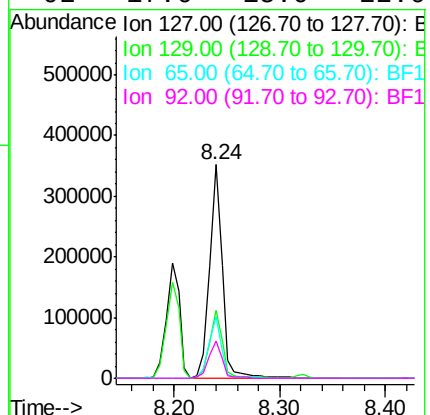
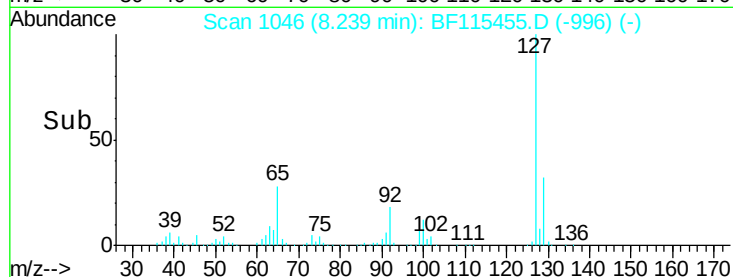
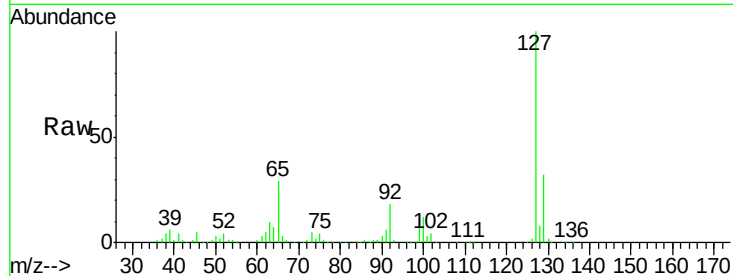
#33  
4-Chloroaniline  
Concen: 22.033 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 297906 |       |       |
| 129     | 31.7  | 26.1   | 39.1  |       |
| 65      | 28.6  | 23.2   | 34.8  |       |
| 92      | 17.6  | 15.0   | 22.6  |       |

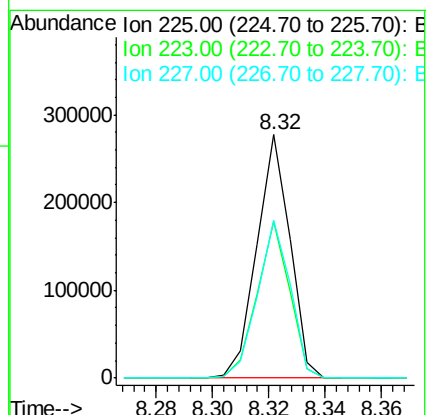
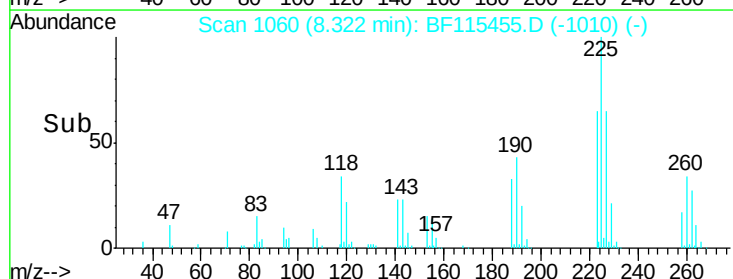
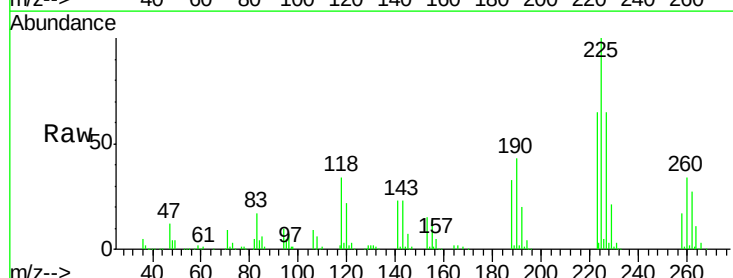
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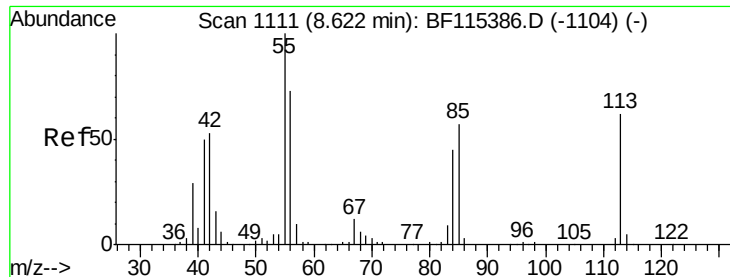
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#34  
Hexachlorobutadiene  
Concen: 39.244 ng  
RT: 8.32 min Scan# 1060  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 225616 |       |       |
| 223     | 64.5  | 50.6   | 76.0  |       |
| 227     | 64.6  | 51.4   | 77.2  |       |





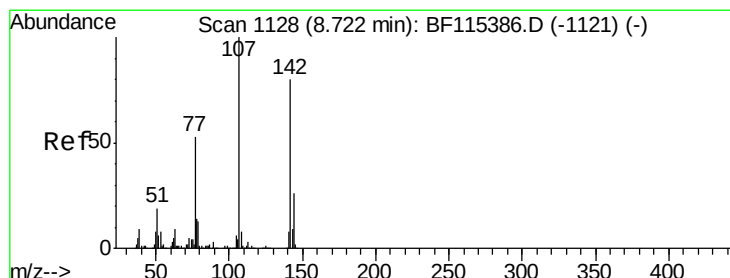
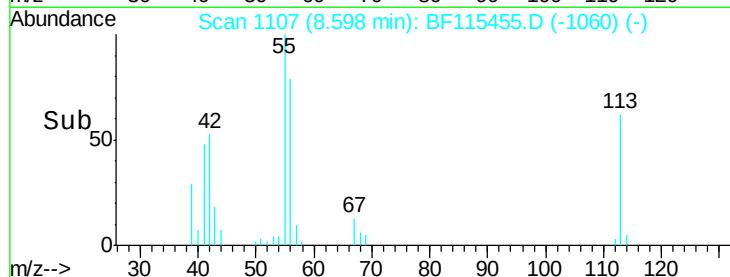
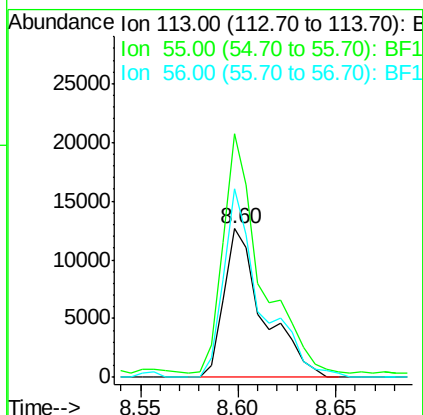
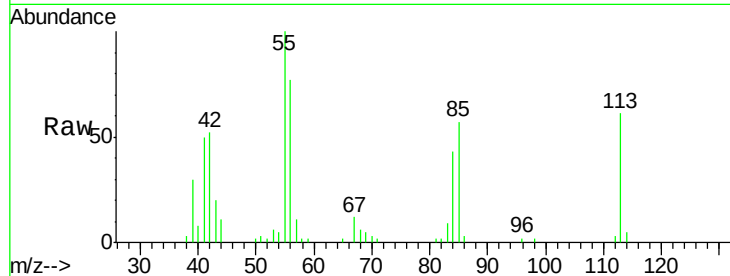
#35  
 Caprolactam  
 Concen: 6.011 ng  
 RT: 8.60 min Scan# 1107  
 Delta R.T. -0.02 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 163.8 | 138.1 | 178.1 |
| 56      | 126.8 | 95.7  | 135.7 |

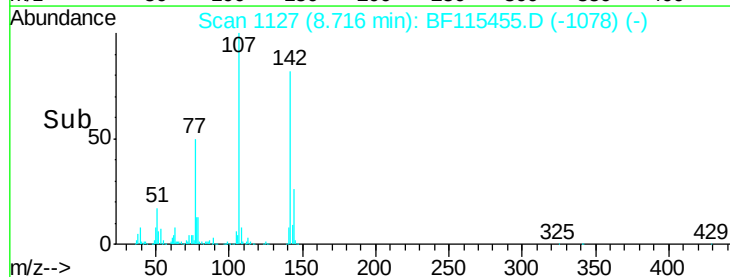
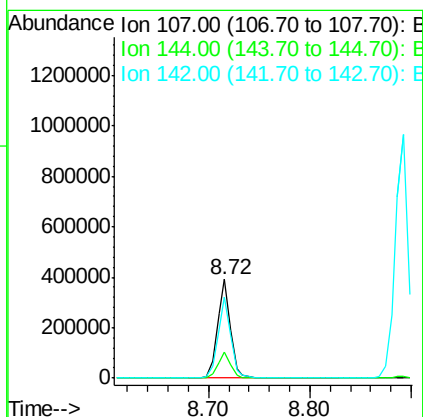
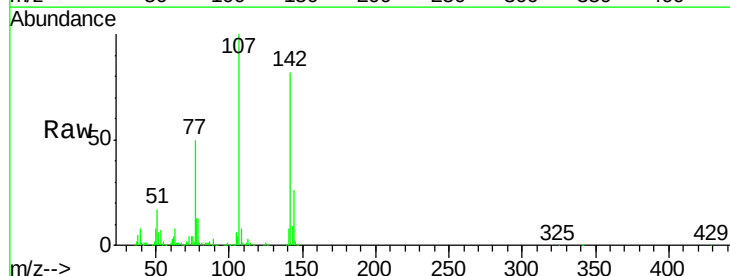
Manual Integrations  
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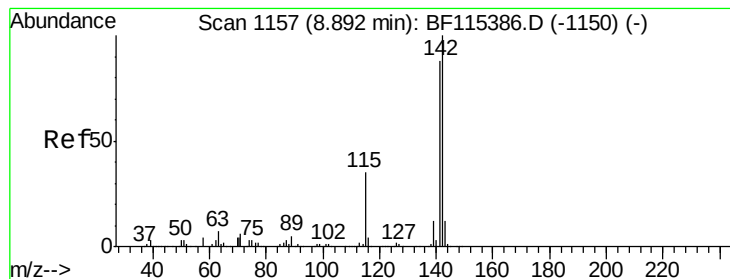
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#36  
 4-Chloro-3-methylphenol  
 Concen: 35.921 ng  
 RT: 8.72 min Scan# 1127  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.8  | 21.5  | 32.3  |
| 142     | 81.8  | 66.2  | 99.2  |





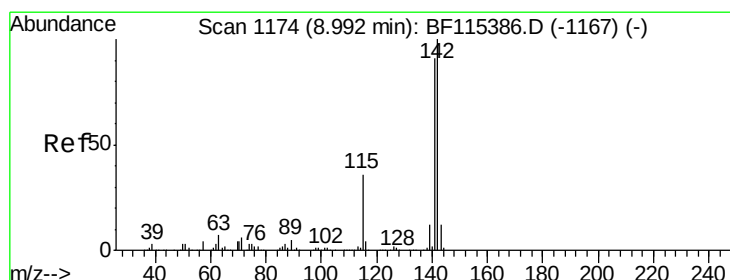
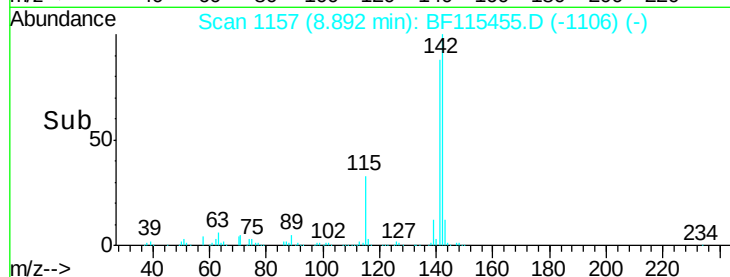
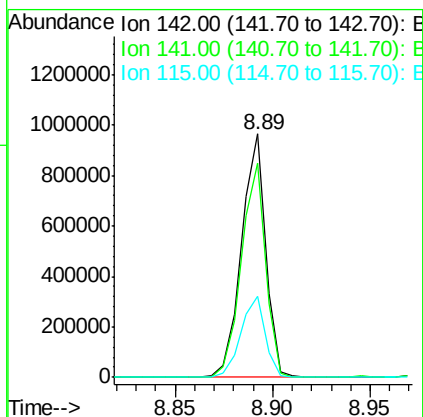
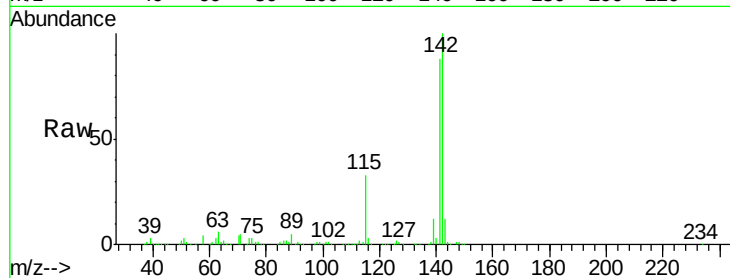
#37  
2-Methylnaphthalene  
Concen: 40.917 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.8  | 72.1  | 108.1 |
| 115     | 33.4  | 27.6  | 41.4  |

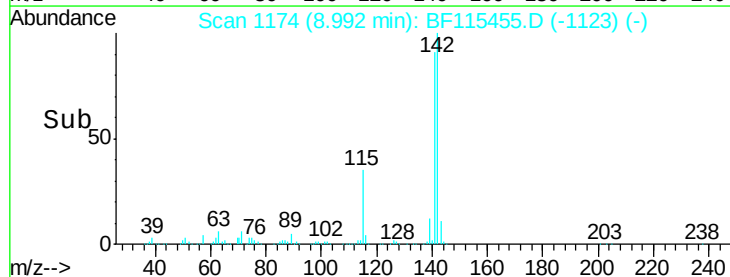
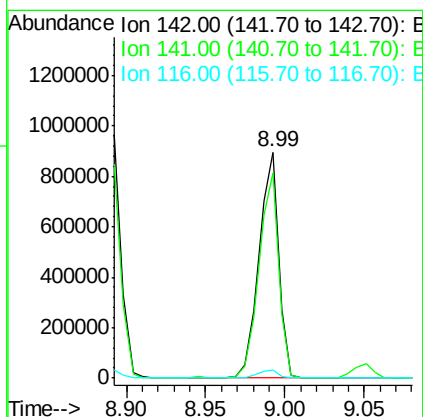
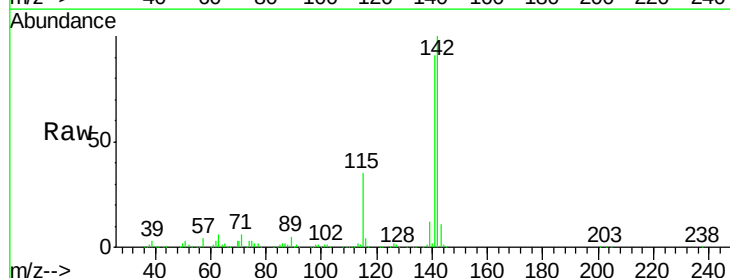
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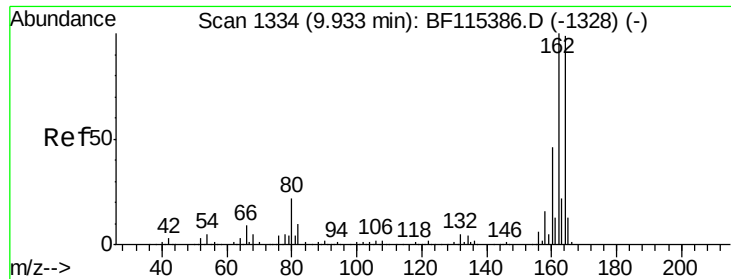
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 40.292 ng  
RT: 8.99 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.8  | 74.3  | 111.5 |
| 116     | 3.6   | 3.1   | 4.7   |





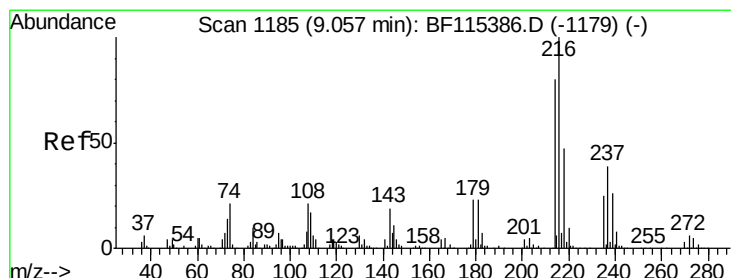
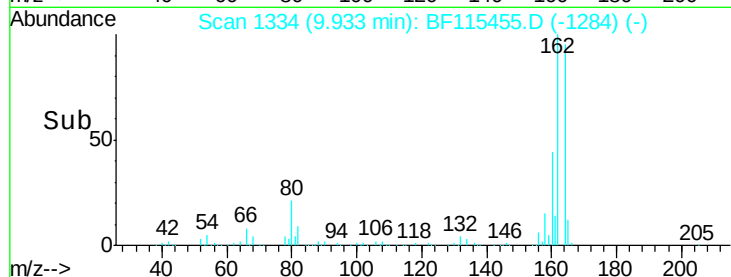
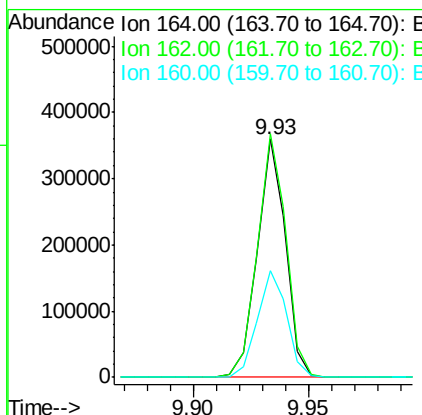
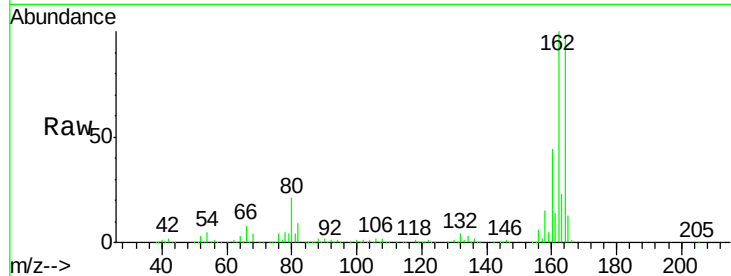
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.2 | 82.3 | 123.5 |       |
| 160     | 45.0  | 37.2 | 55.8  |       |

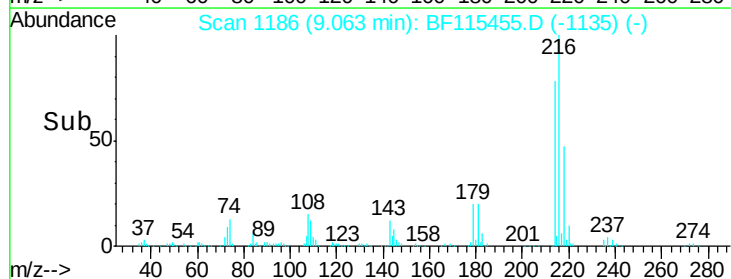
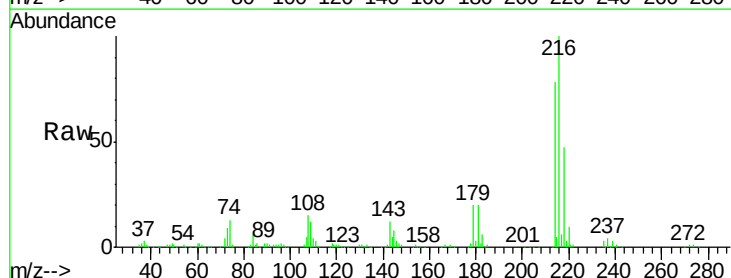
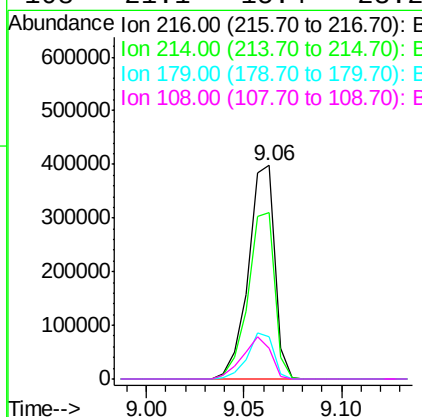
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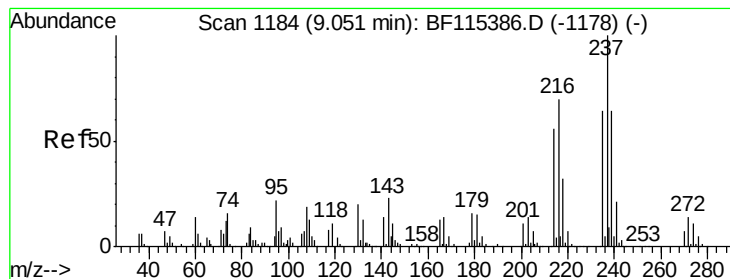


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.455 ng  
RT: 9.06 min Scan# 1186  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.3  | 63.0 | 94.6  |       |
| 179     | 21.4  | 17.4 | 26.0  |       |
| 108     | 21.1  | 15.4 | 23.2  |       |







#41

Hexachlorocyclopentadiene

Concen: 81.272 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

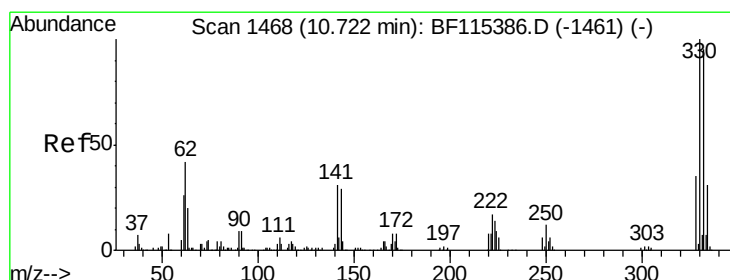
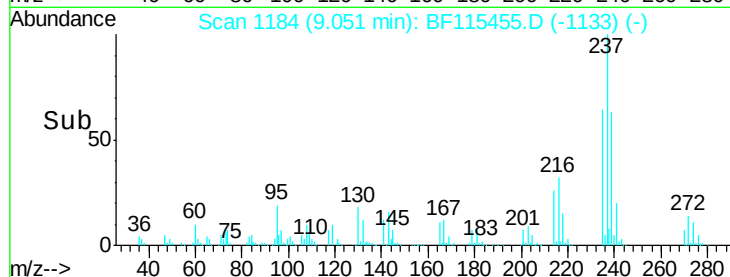
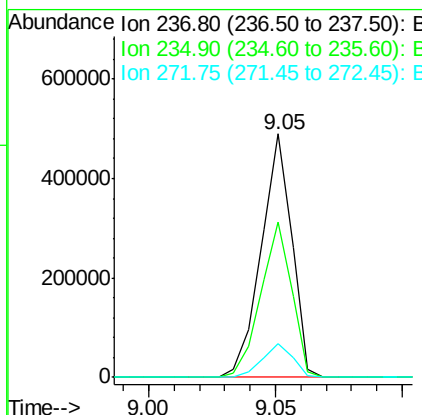
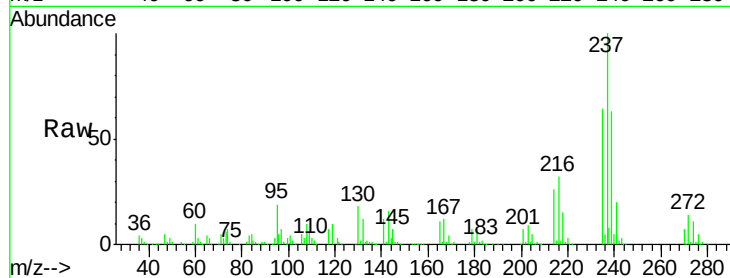
ClientSampleId :

SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 414992 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.7  | 43.4  | 83.4   |
| 272       | 13.7  | 0.0   | 33.6   |

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#42

2,4,6-Tribromophenol

Concen: 111.063 ng

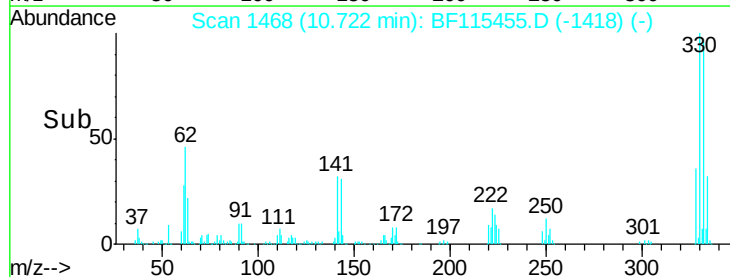
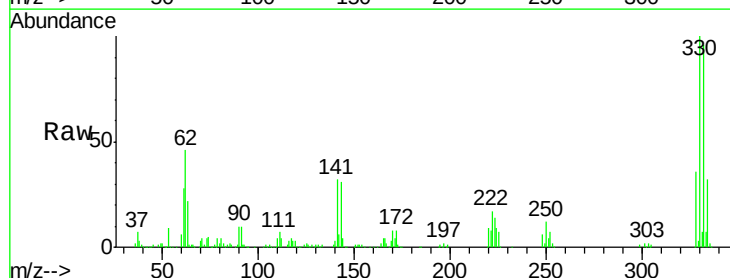
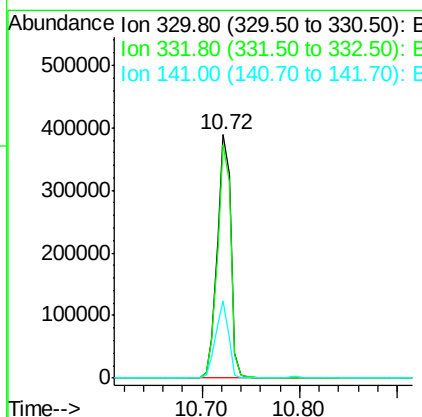
RT: 10.72 min Scan# 1468

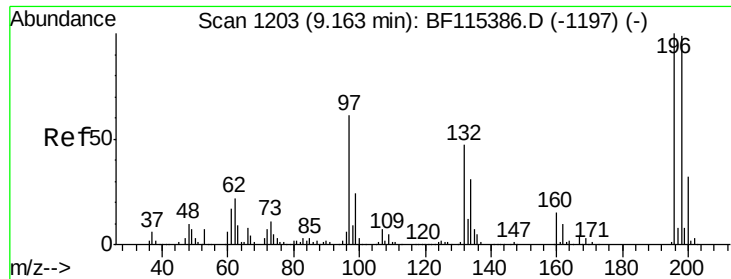
Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 376055 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.3  | 77.4  | 116.0  |
| 141       | 30.4  | 24.7  | 37.1   |





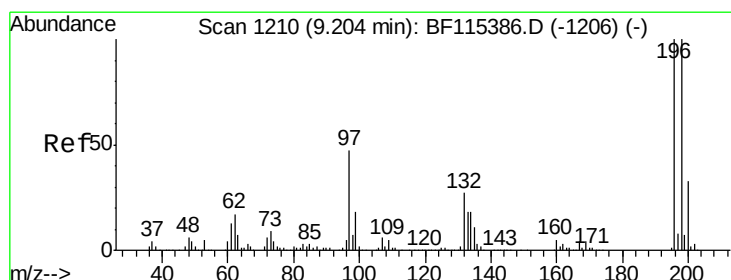
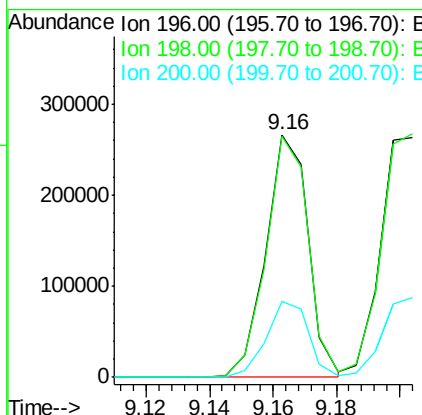
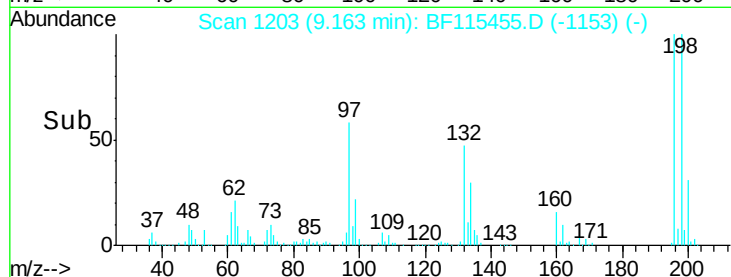
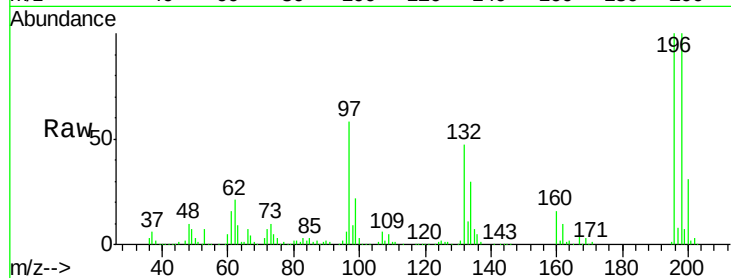
#43  
 2,4,6-Trichlorophenol  
 Concen: 38.483 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 246830 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 99.6  | 78.2  | 117.4  |
| 200       | 31.4  | 25.0  | 37.6   |

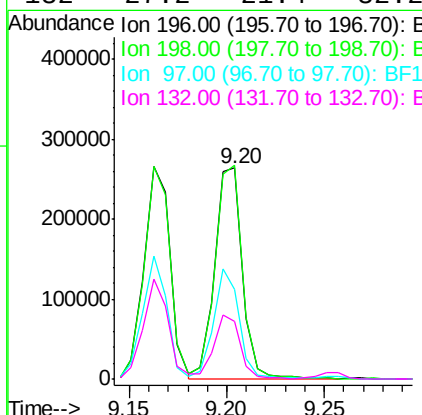
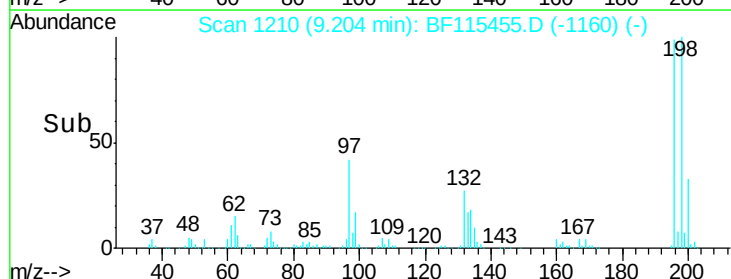
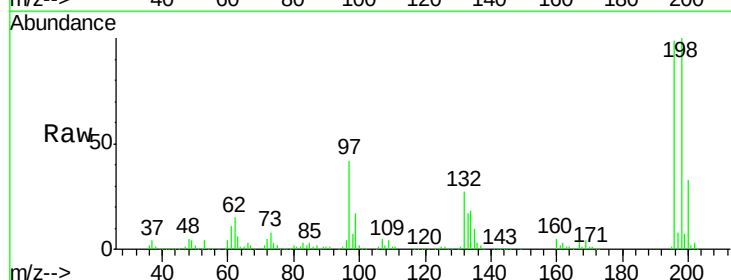
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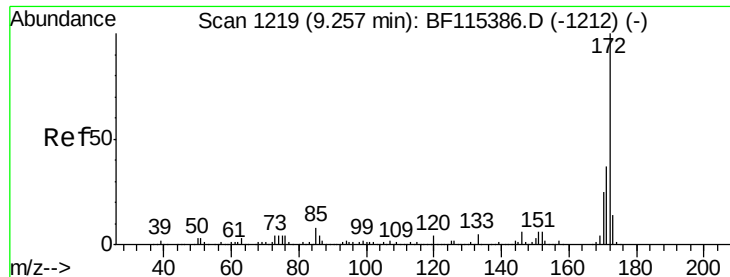
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#44  
 2,4,5-Trichlorophenol  
 Concen: 38.686 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 257293 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 101.3 | 80.6  | 120.8  |
| 97        | 42.4  | 34.0  | 51.0   |
| 132       | 27.2  | 21.4  | 32.2   |





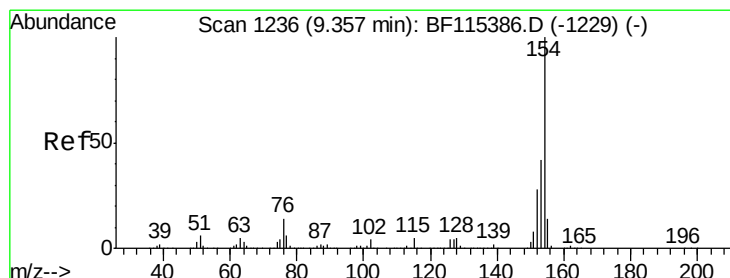
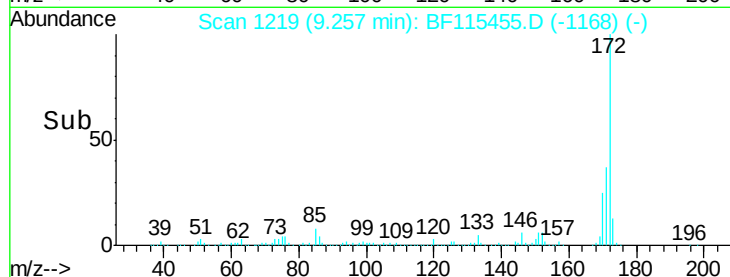
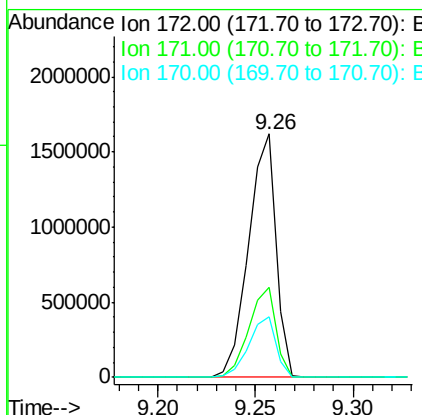
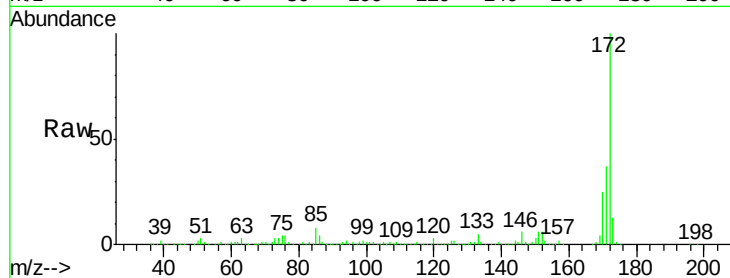
#45  
2-Fluorobiphenyl  
Concen: 90.304 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

Tgt Ion:172 Resp: 1575977  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.8 44.8  
170 24.8 20.0 30.0

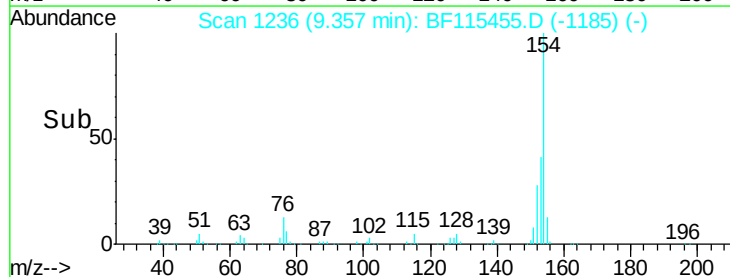
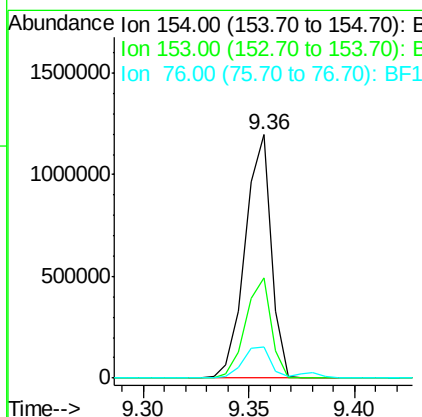
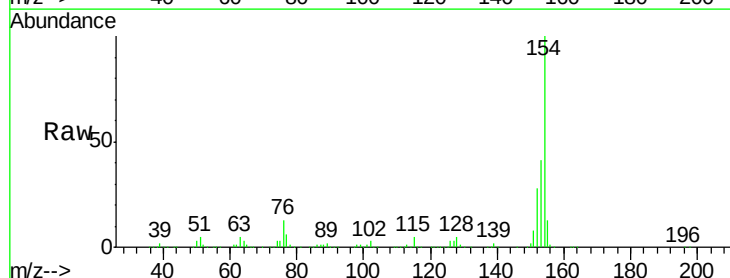
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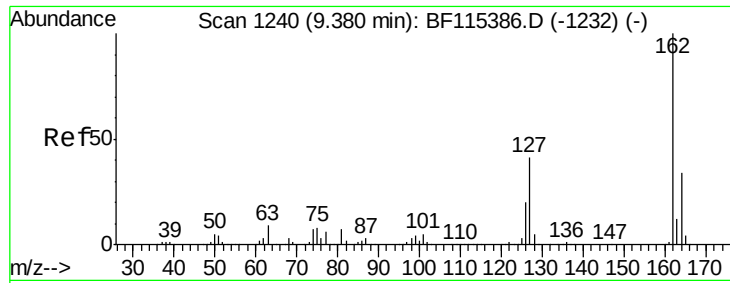
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7/11/2019 5:22:05 PM



#46  
1,1'-Biphenyl  
Concen: 42.531 ng  
RT: 9.36 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:154 Resp: 1023922  
Ion Ratio Lower Upper  
154 100  
153 40.9 21.5 61.5  
76 12.8 0.0 34.6





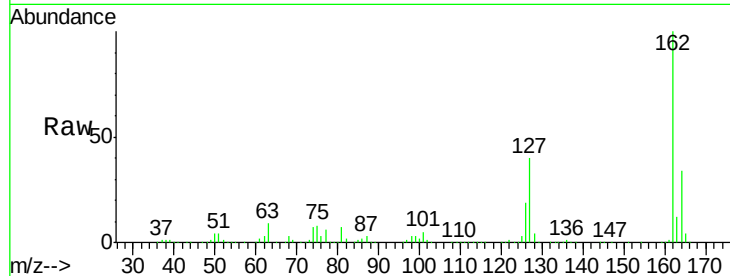
#47  
 2-Chloronaphthalene  
 Concen: 40.636 ng  
 RT: 9.38 min Scan# 1240  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

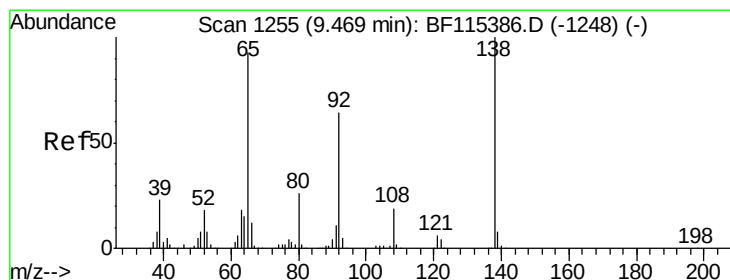
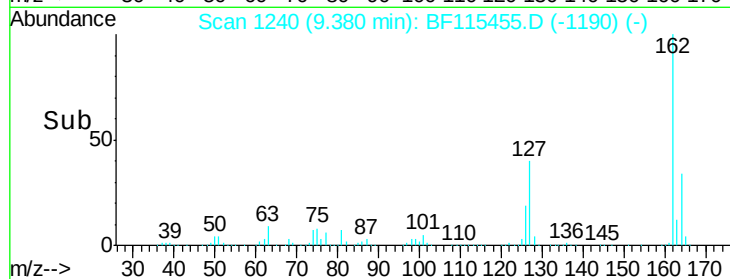
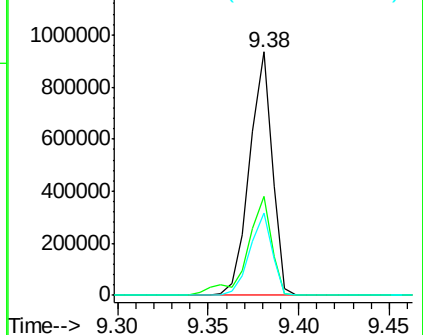
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 127     | 40.4  | 31.4       | 47.0       |
| 164     | 33.7  | 27.2       | 40.8       |

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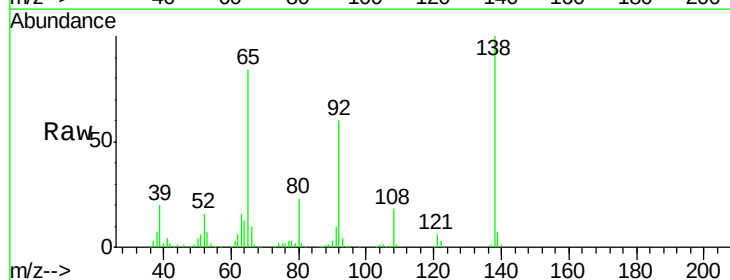


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

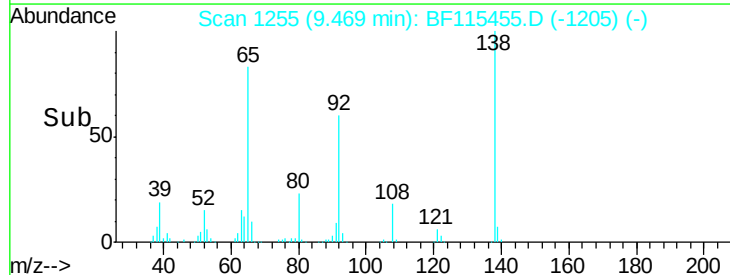
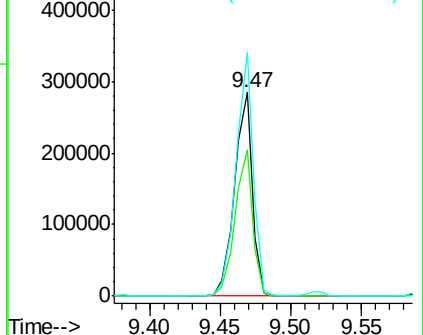


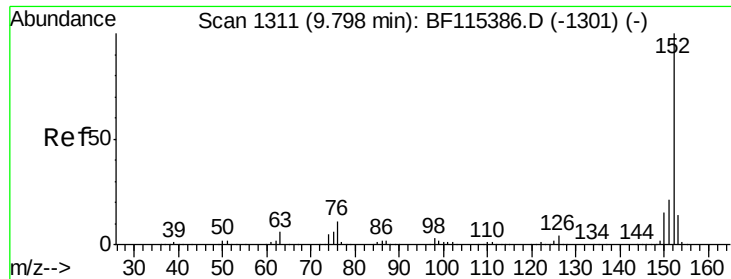
#48  
 2-Nitroaniline  
 Concen: 42.951 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 65      | 100   |            |            |
| 92      | 72.1  | 59.0       | 88.4       |
| 138     | 119.5 | 98.3       | 147.5      |



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





#49

Acenaphthylene

Concen: 41.356 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF115455.D

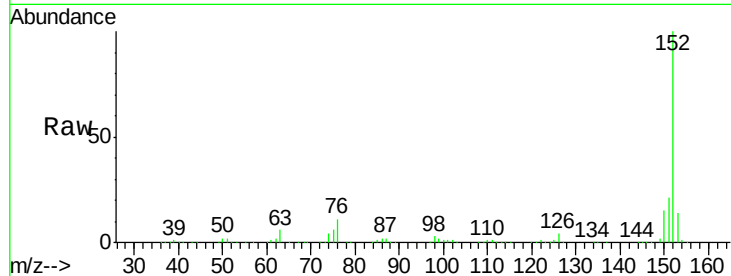
Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

ClientSampleId :

SP19-JMW0991MS



Tgt Ion:152 Resp: 1245857

Ion Ratio Lower Upper

152 100

151 21.1 17.1 25.7

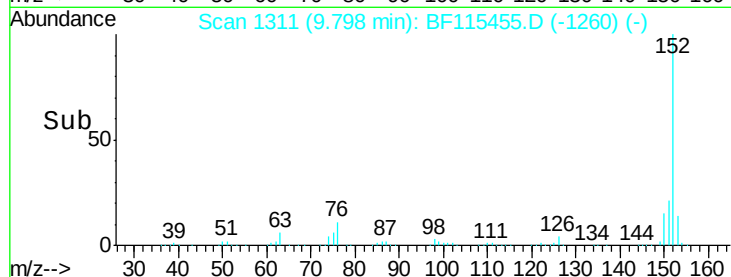
153 14.2 11.8 17.6

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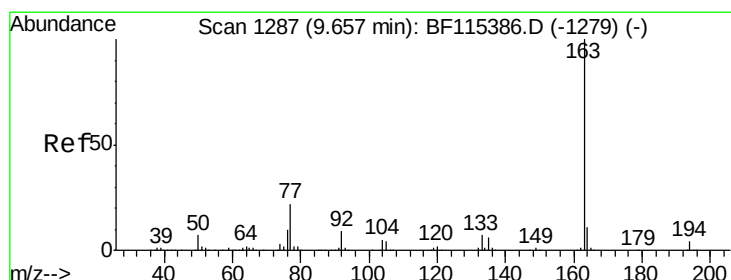
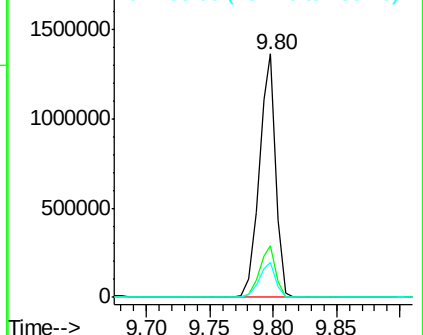
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.404 ng

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

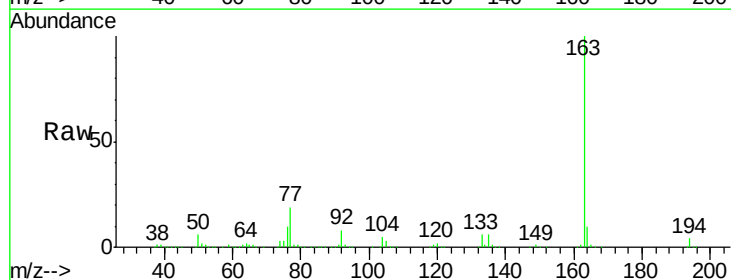
Tgt Ion:163 Resp: 1043626

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

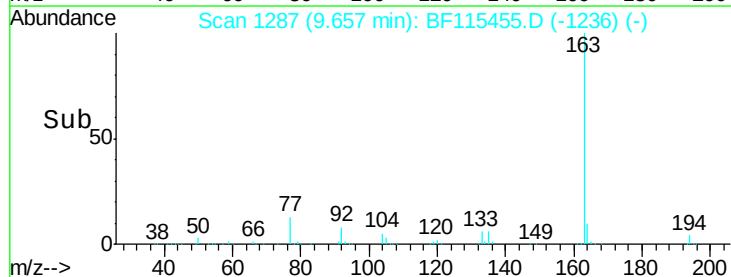
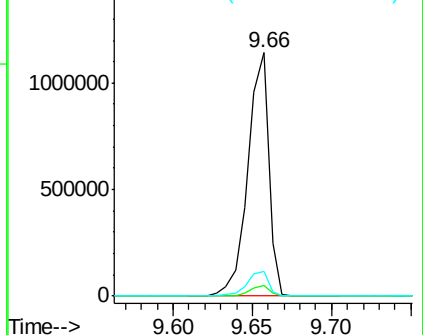
164 10.4 8.6 13.0

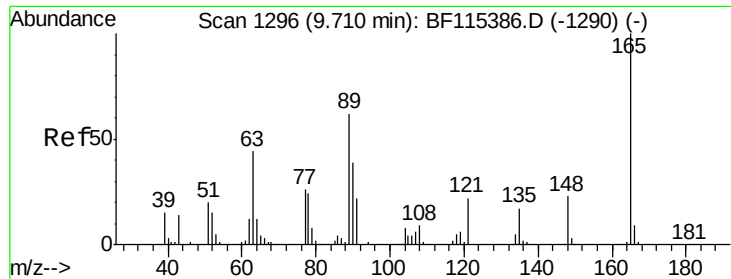


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





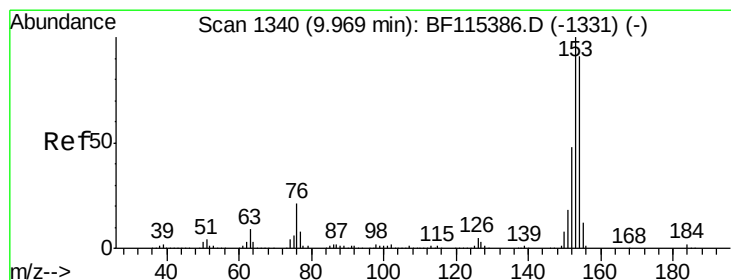
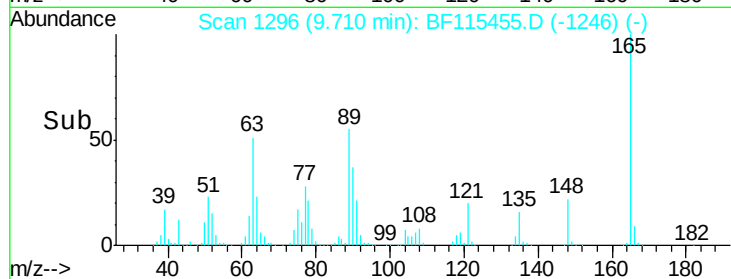
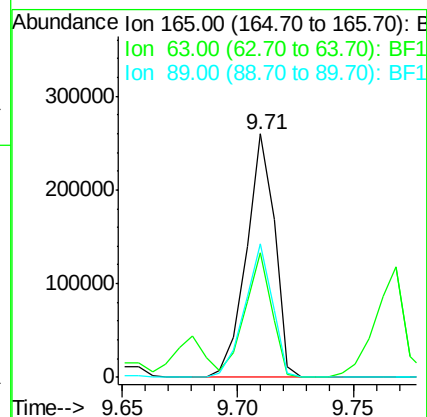
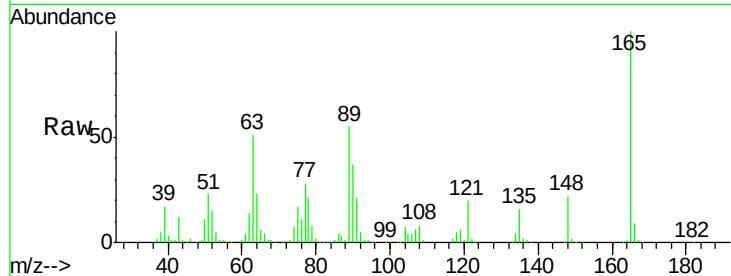
#51  
2,6-Dinitrotoluene  
Concen: 44.684 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 222751 |       |       |
| 63      | 51.4  | 39.7   | 59.5  |       |
| 89      | 55.0  | 42.8   | 64.2  |       |

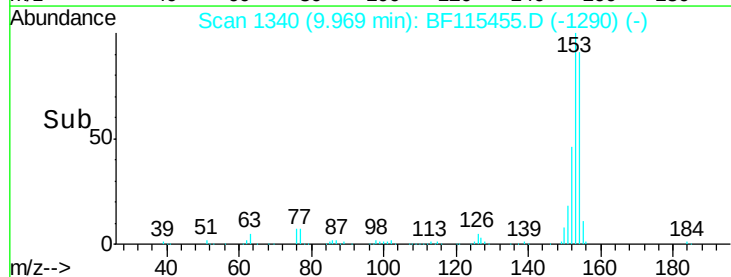
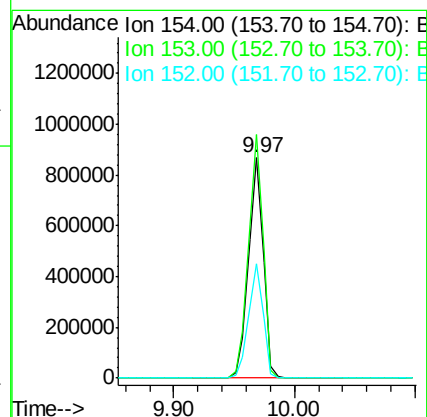
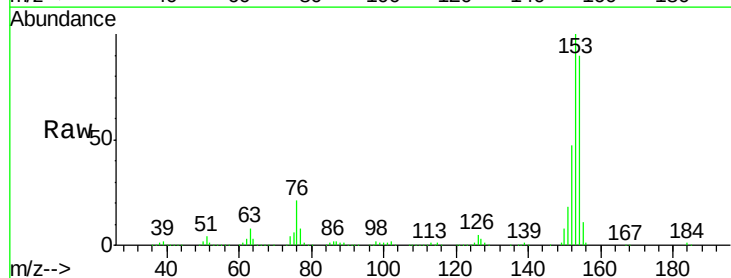
Manual Integrations  
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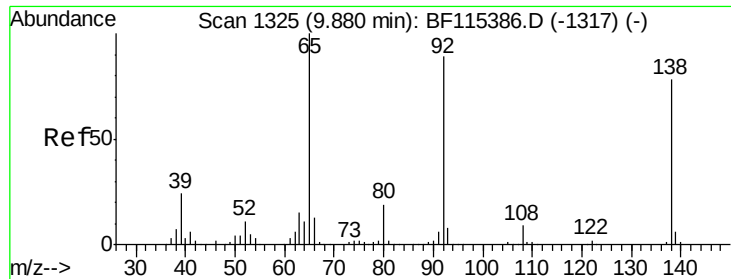
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#52  
Acenaphthene  
Concen: 39.519 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 749270 |       |       |
| 153     | 110.5 | 89.8   | 134.8 |       |
| 152     | 52.0  | 41.4   | 62.0  |       |





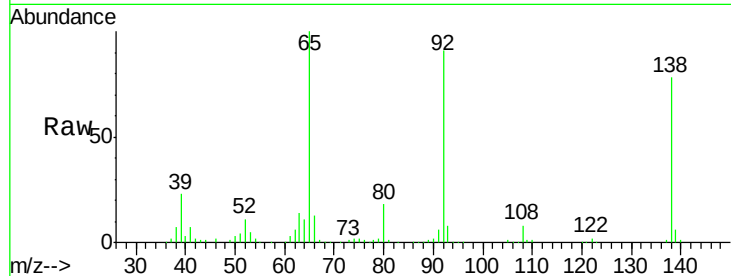
#53  
3-Nitroaniline  
Concen: 30.060 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

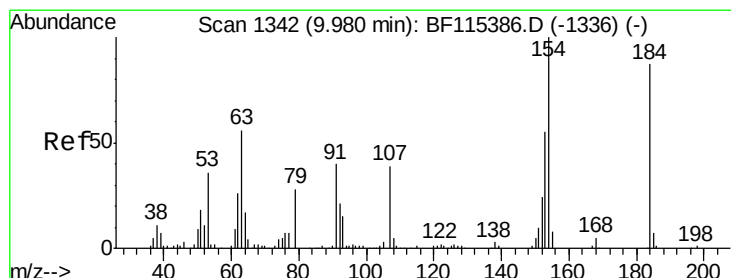
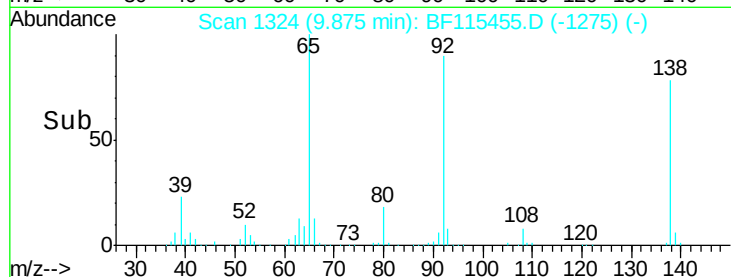
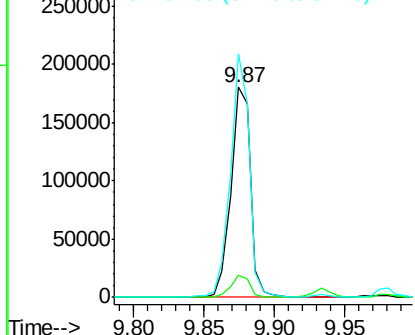
Tgt Ion:138 Resp: 174044  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.5 12.7  
92 115.8 86.1 129.1

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7/11/2019 5:22:05 PM

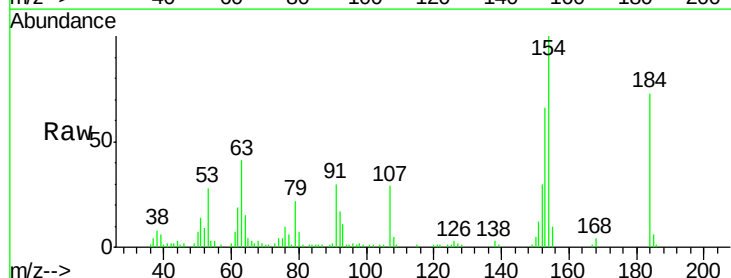


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

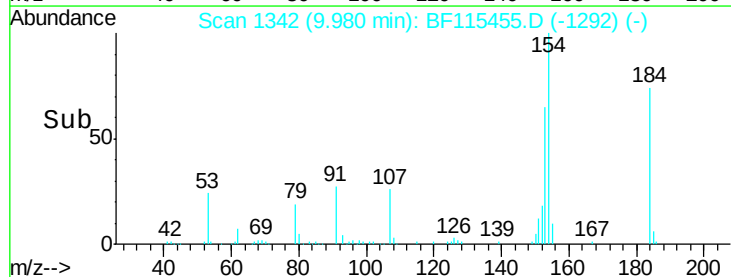
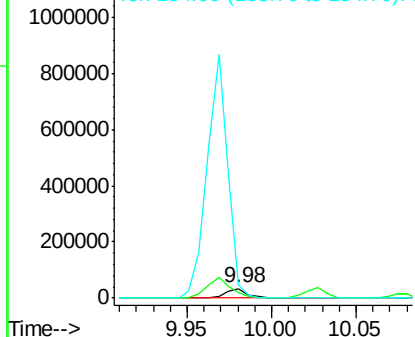


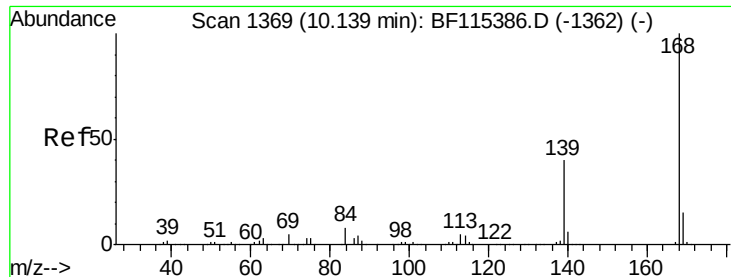
#54  
2,4-Dinitrophenol  
Concen: 21.934 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:184 Resp: 30015  
Ion Ratio Lower Upper  
184 100  
63 55.4 45.8 68.6  
154 136.5 52.8 79.2#



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





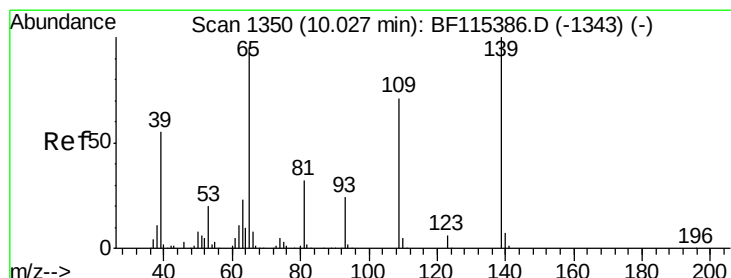
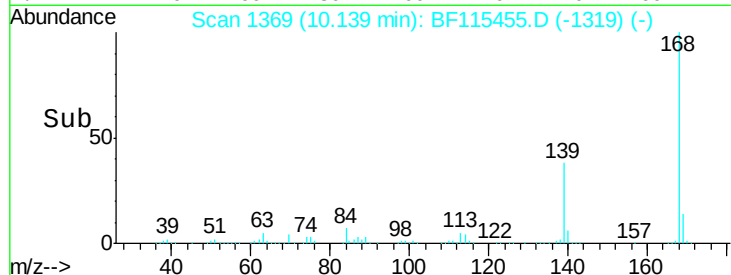
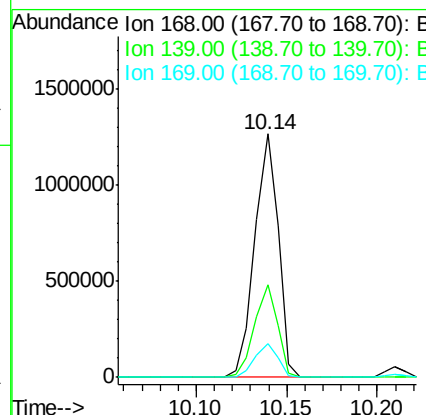
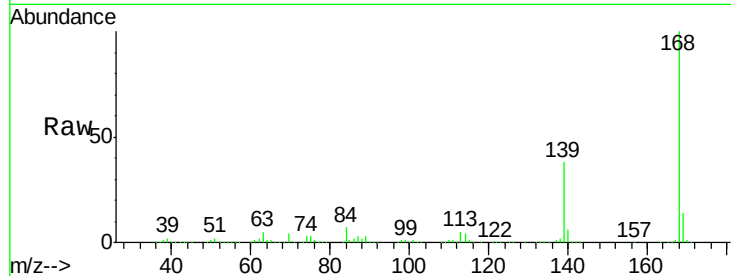
#55  
Dibenzenofuran  
Concen: 42.714 ng  
RT: 10.14 min Scan# 1369  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.0  | 30.6  | 46.0  |
| 169     | 13.7  | 11.0  | 16.6  |

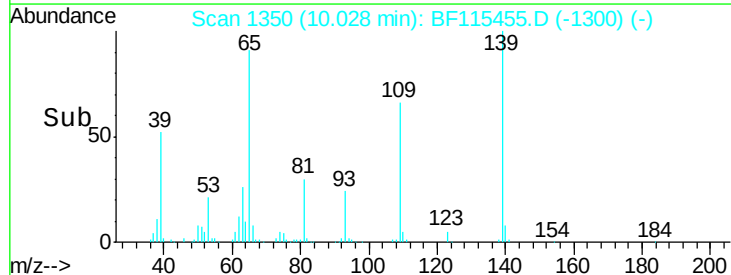
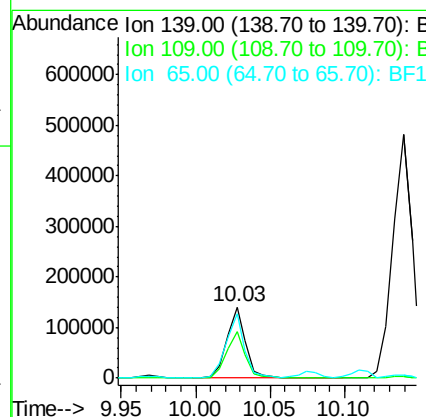
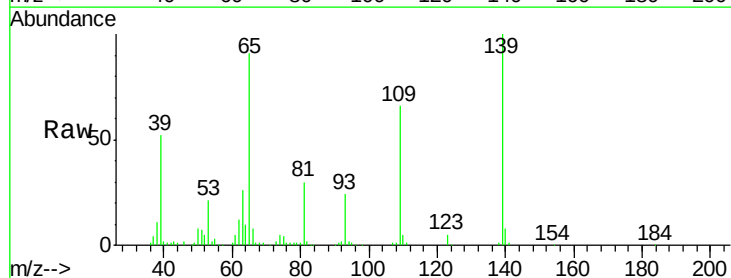
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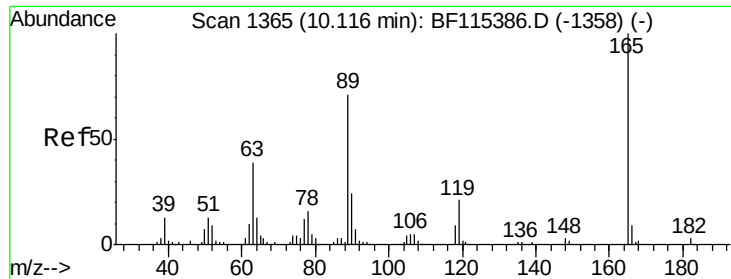


#56  
4-Nitrophenol  
Concen: 28.360 ng  
RT: 10.03 min Scan# 1350  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 66.0  | 46.4  | 86.4  |
| 65      | 90.6  | 73.4  | 113.4 |







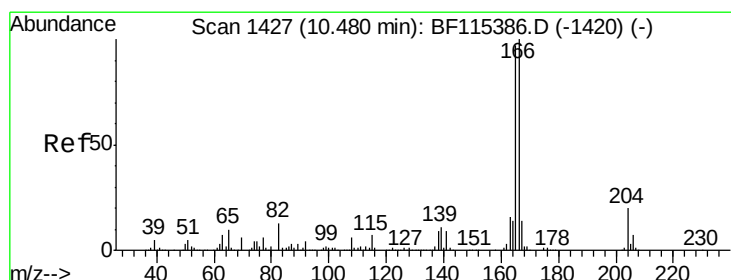
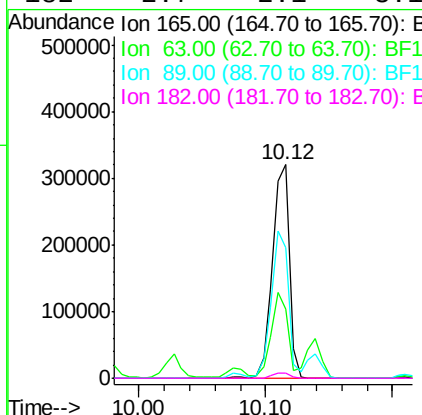
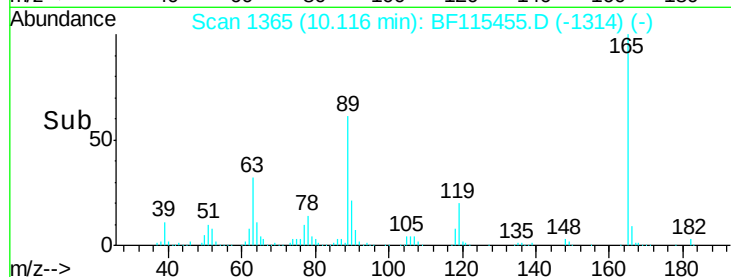
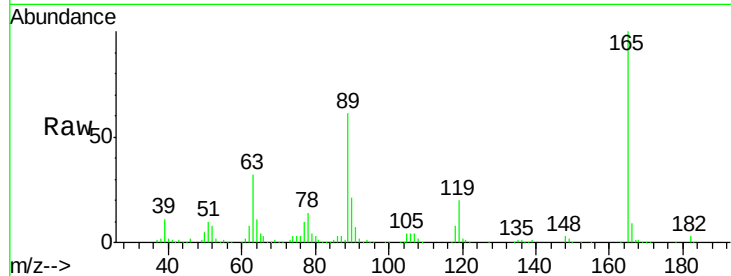
#57  
2,4-Dinitrotoluene  
Concen: 46.657 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 295582 |       |       |
| 63      | 32.2  | 33.0   | 49.4# |       |
| 89      | 61.4  | 58.5   | 87.7  |       |
| 182     | 2.7   | 2.1    | 3.1   |       |

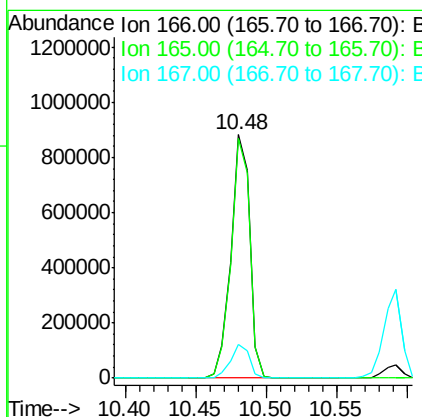
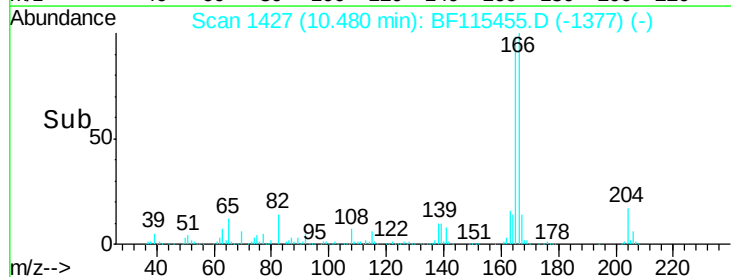
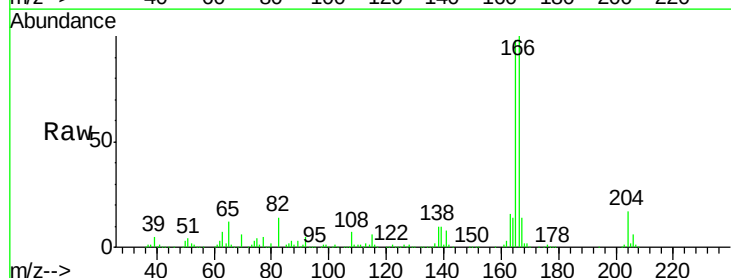
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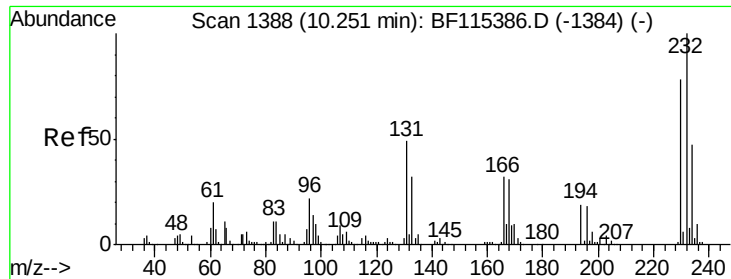
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#58  
Fluorene  
Concen: 38.695 ng  
RT: 10.48 min Scan# 1427  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 814678 |       |       |
| 165     | 98.5  | 78.7   | 118.1 |       |
| 167     | 13.9  | 10.8   | 16.2  |       |





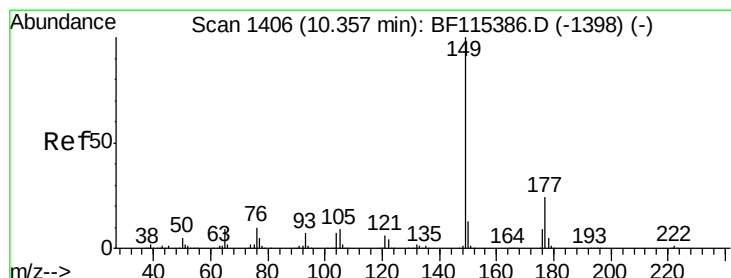
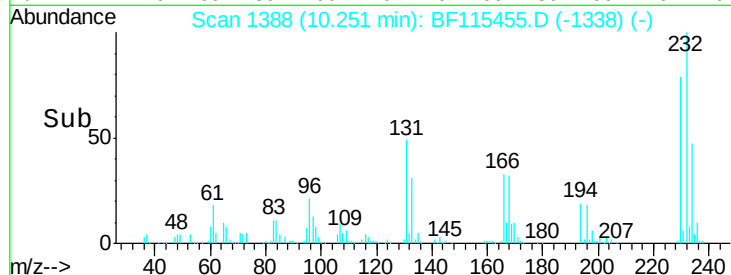
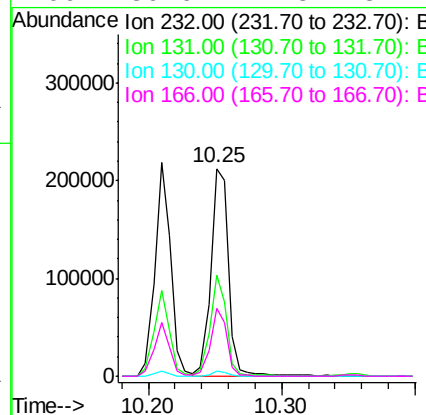
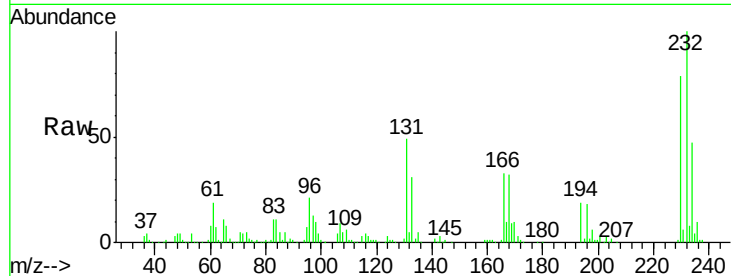
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 34.055 ng  
 RT: 10.25 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 195660 |       |       |
| 131     | 45.3  | 35.4   | 53.0  |       |
| 130     | 2.1   | 1.7    | 2.5   |       |
| 166     | 30.6  | 24.8   | 37.2  |       |

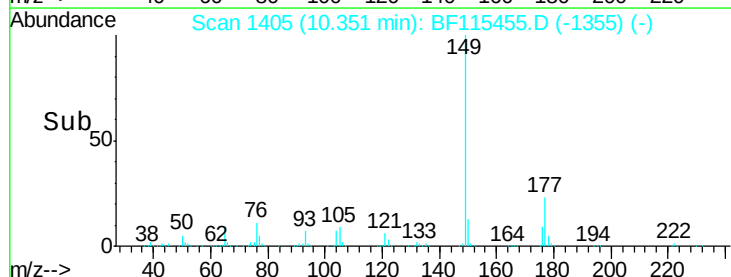
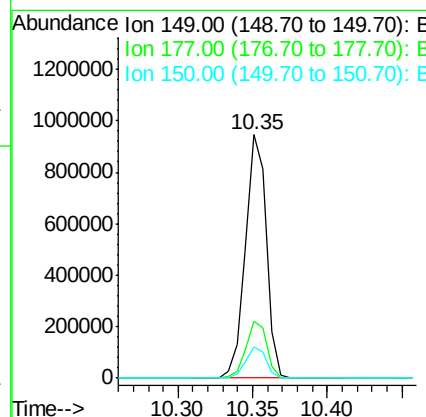
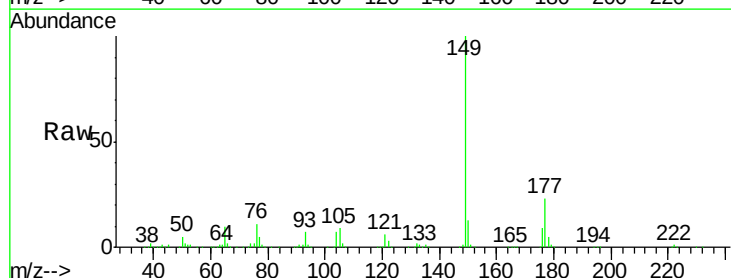
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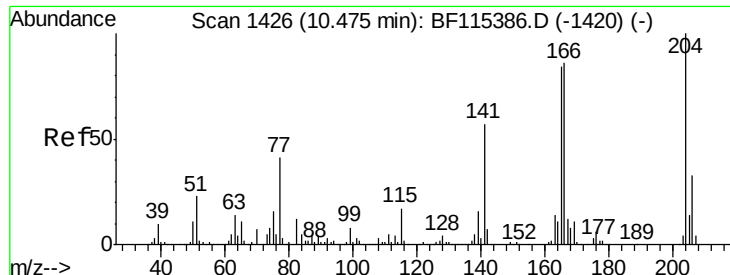
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#60  
 Diethylphthalate  
 Concen: 40.672 ng  
 RT: 10.35 min Scan# 1405  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 920179 |       |       |
| 177     | 23.4  | 19.0   | 28.4  |       |
| 150     | 12.9  | 10.4   | 15.6  |       |





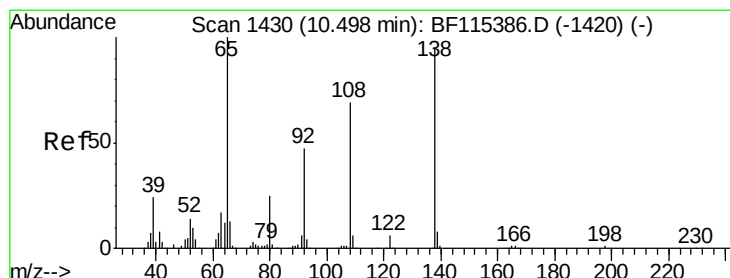
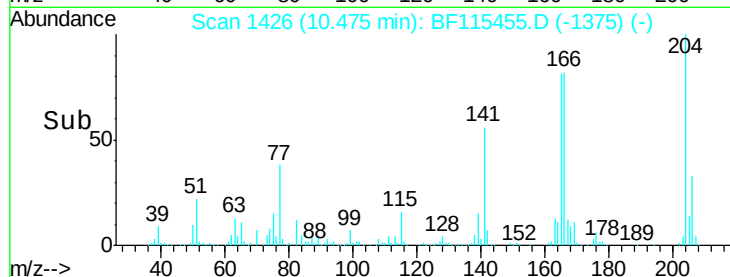
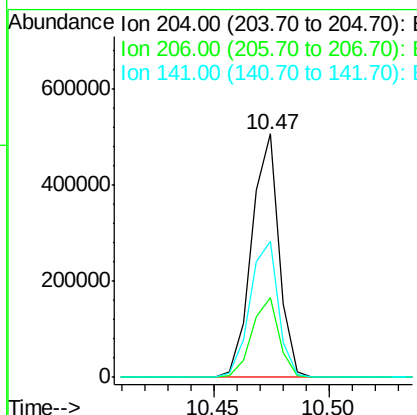
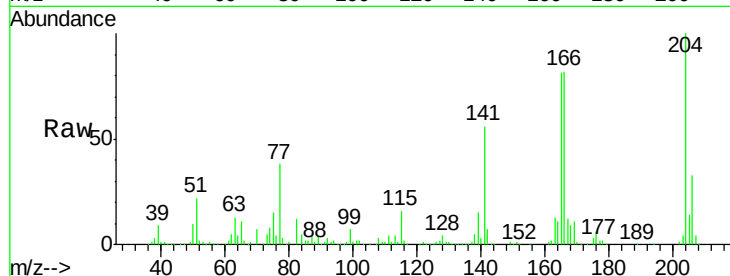
#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.684 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. 0.00 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 418063 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.9  | 26.8  | 40.2   |
| 141       | 56.0  | 47.9  | 71.9   |

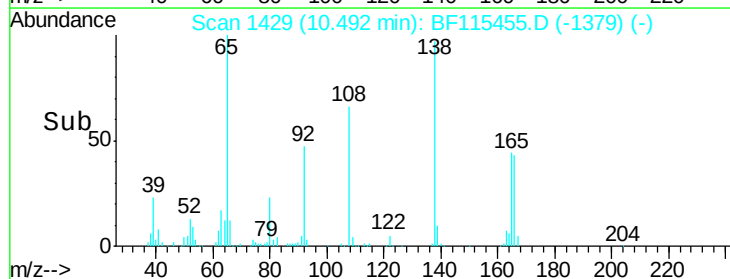
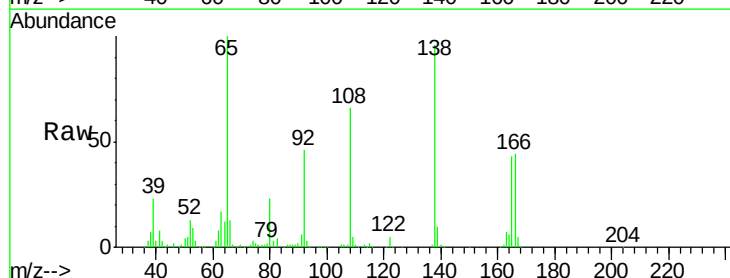
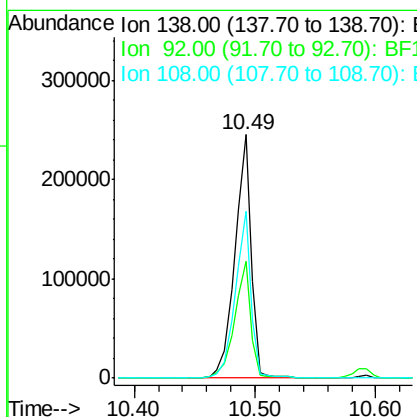
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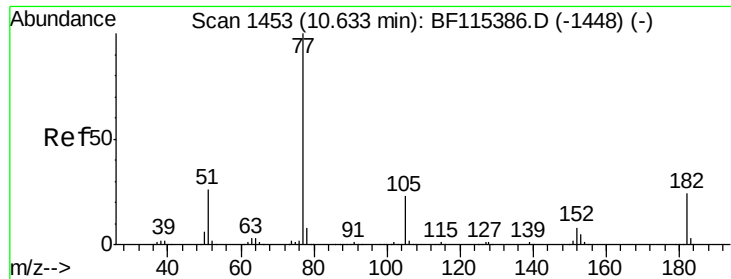
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#62  
 4-Nitroaniline  
 Concen: 40.867 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 232251 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 48.2  | 29.9  | 69.9   |
| 108       | 68.4  | 49.0  | 89.0   |





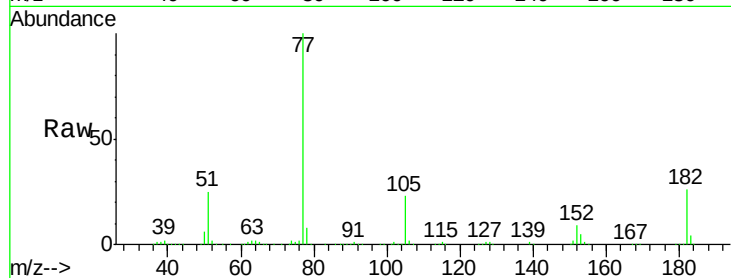
#63  
Azobenzene  
Concen: 39.120 ng  
RT: 10.63 min Scan# 1453  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

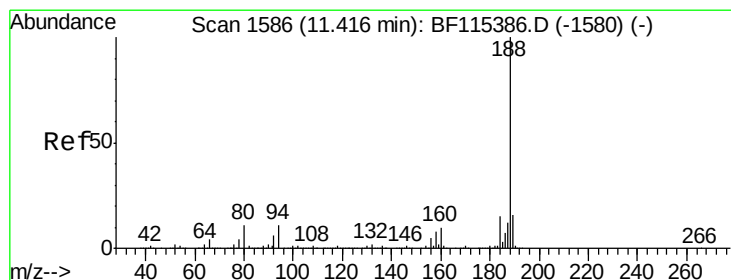
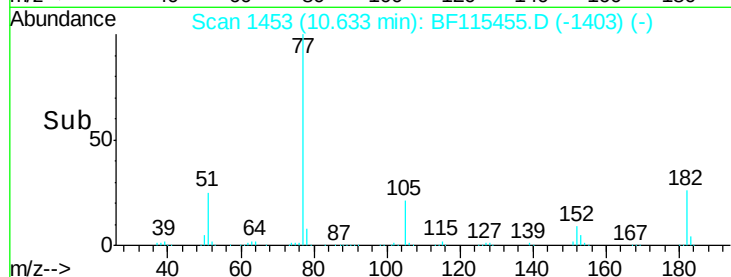
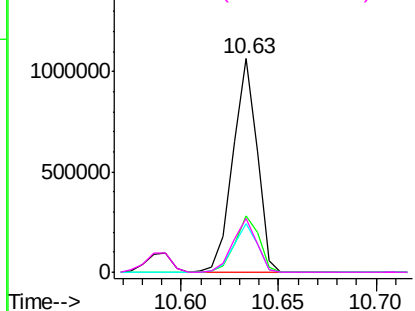
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.1  | 7.7   | 47.7  |
| 105     | 22.6  | 3.6   | 43.6  |
| 51      | 25.4  | 4.8   | 44.8  |

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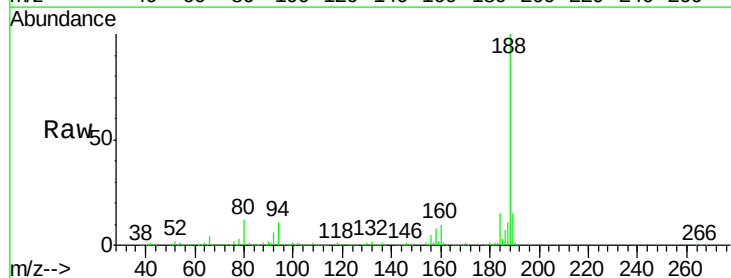


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

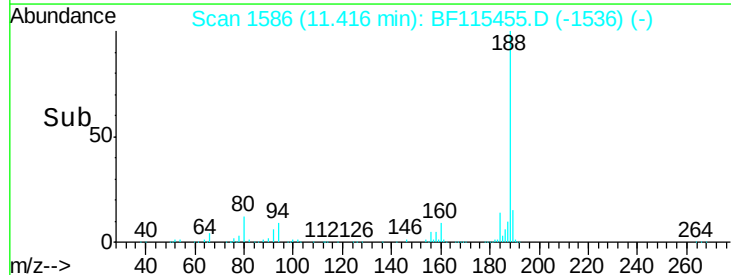
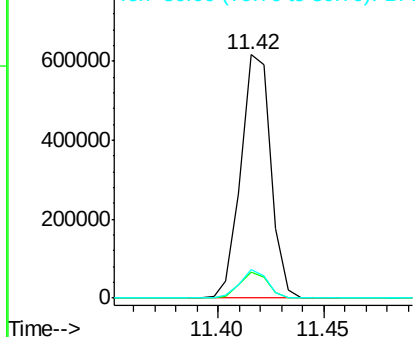


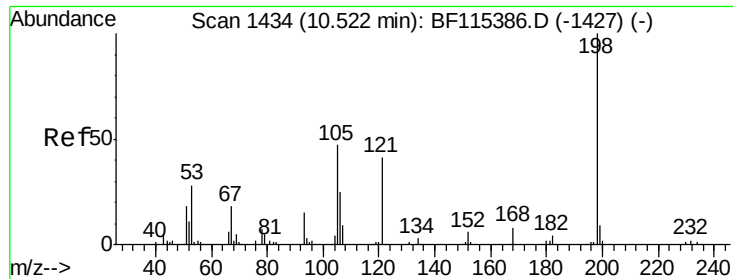
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.6  | 7.8   | 11.8  |
| 80      | 11.8  | 8.4   | 12.6  |



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





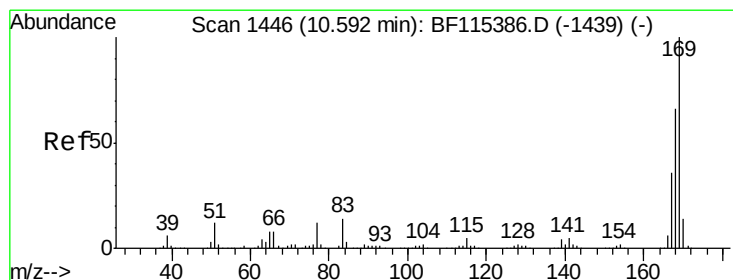
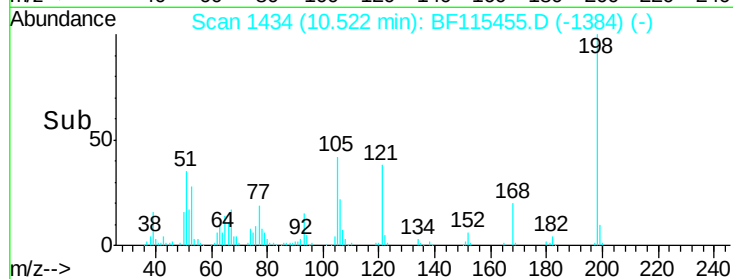
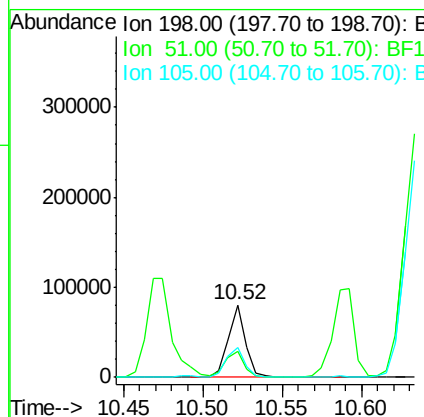
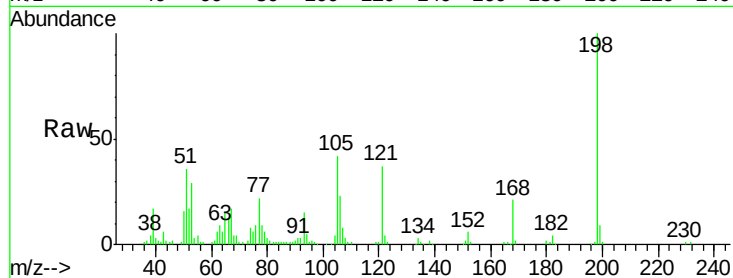
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 25.396 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 35.8  | 20.7  | 60.7  |
| 105     | 42.1  | 25.3  | 65.3  |

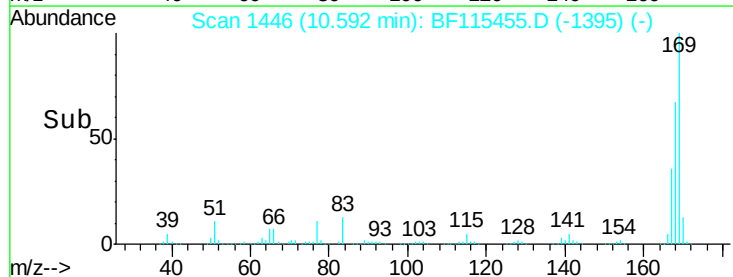
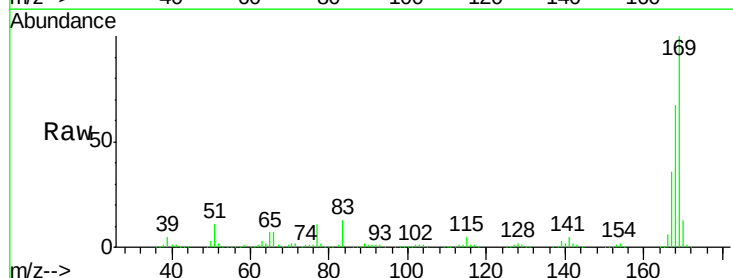
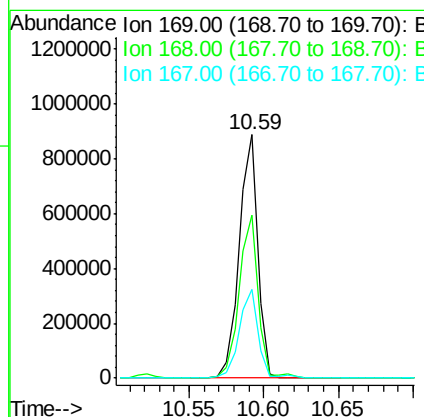
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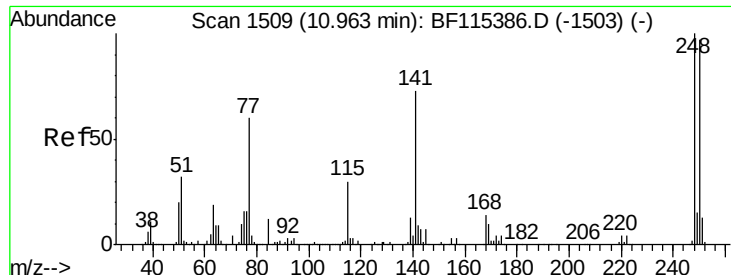
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#66  
 n-Nitrosodiphenylamine  
 Concen: 40.605 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. 0.00 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.8  | 53.2  | 79.8  |
| 167     | 36.4  | 29.4  | 44.2  |





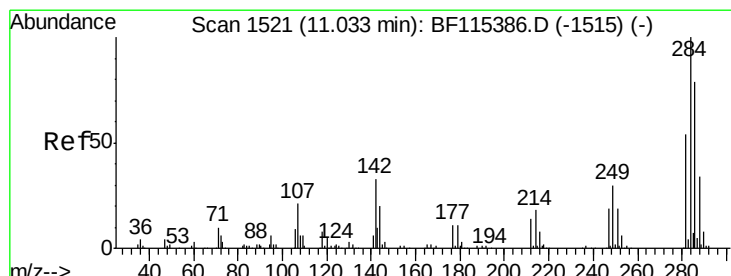
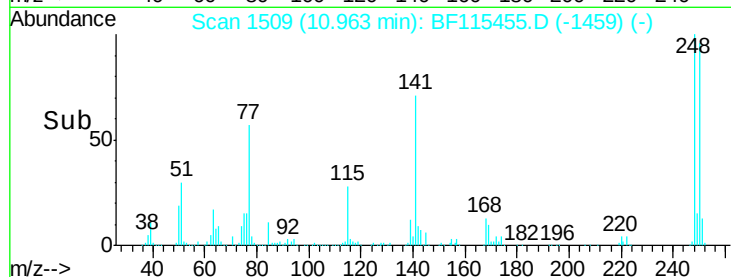
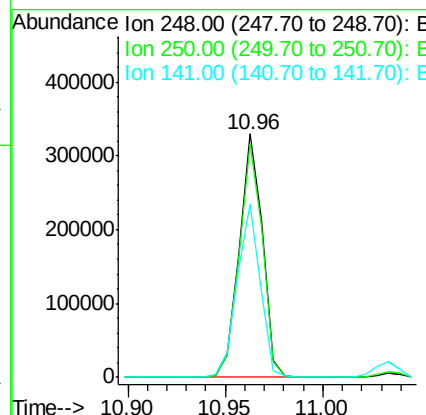
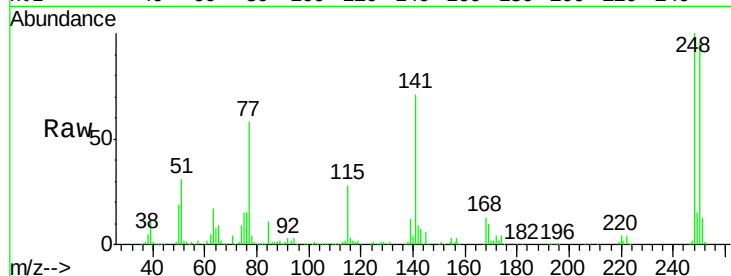
#67  
 4-Bromophenyl-phenylether  
 Concen: 39.730 ng  
 RT: 10.96 min Scan# 1509  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.0  | 78.3  | 117.5 |
| 141     | 71.2  | 52.2  | 78.2  |

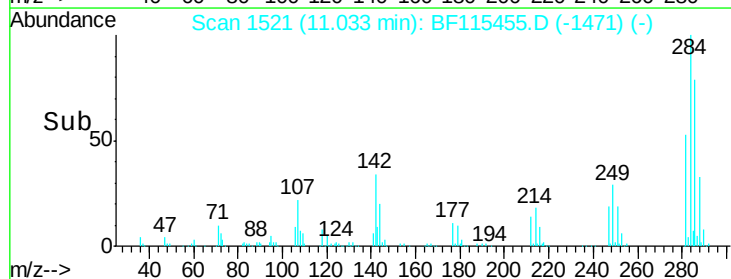
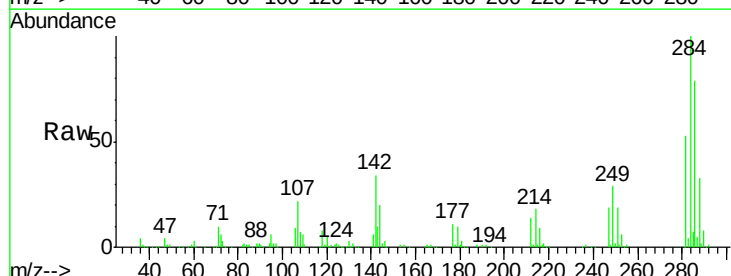
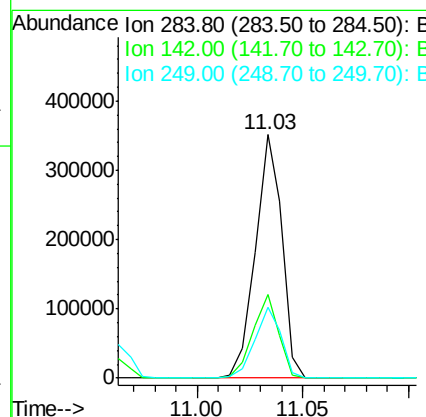
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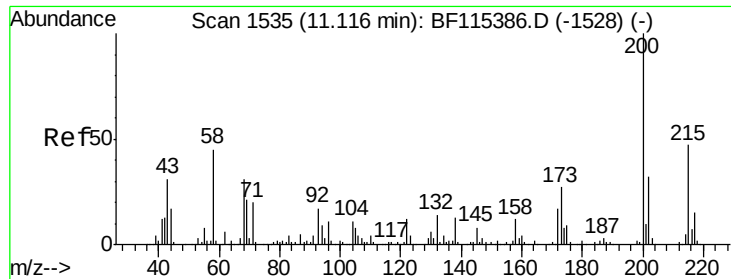
mohammad  
 7/11/2019 5:22:05 PM



#68  
 Hexachlorobenzene  
 Concen: 40.203 ng  
 RT: 11.03 min Scan# 1521  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.3  | 23.9  | 35.9  |
| 249     | 29.3  | 23.6  | 35.4  |





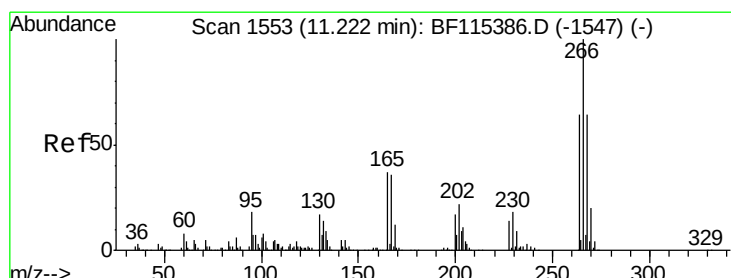
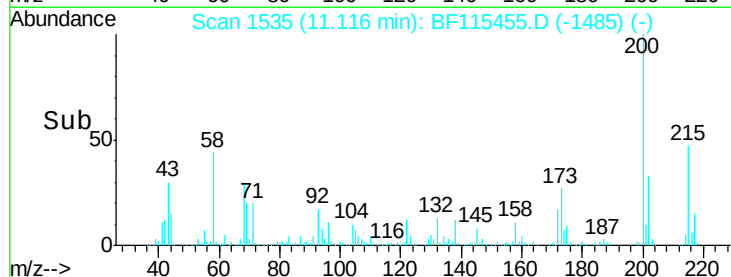
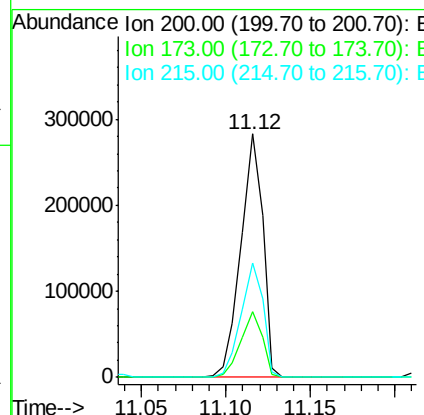
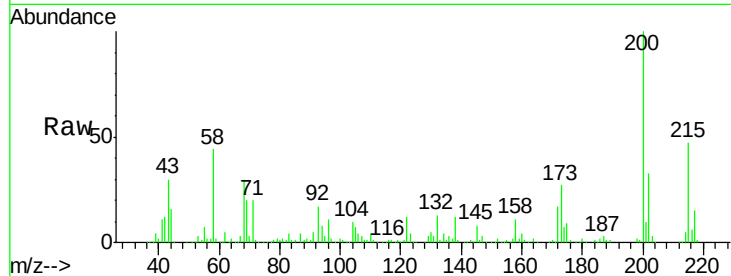
#69  
 Atrazine  
 Concen: 43.522 ng  
 RT: 11.12 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 26.9  | 7.0        | 47.0       |
| 215     | 46.8  | 27.8       | 67.8       |

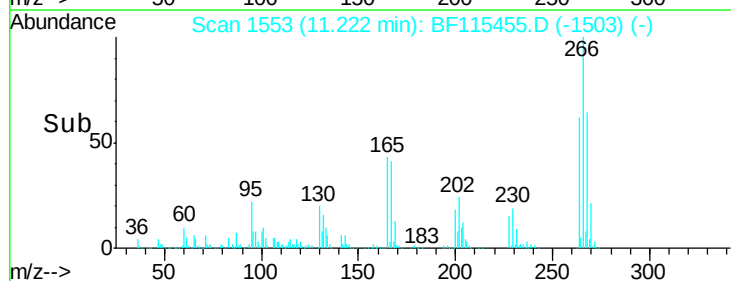
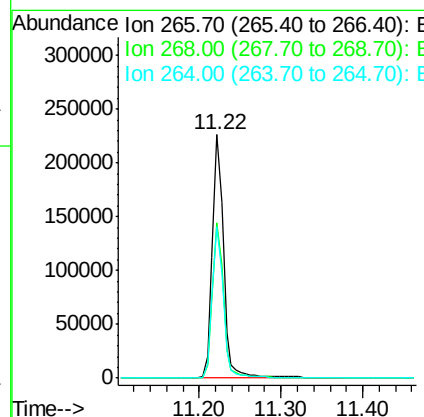
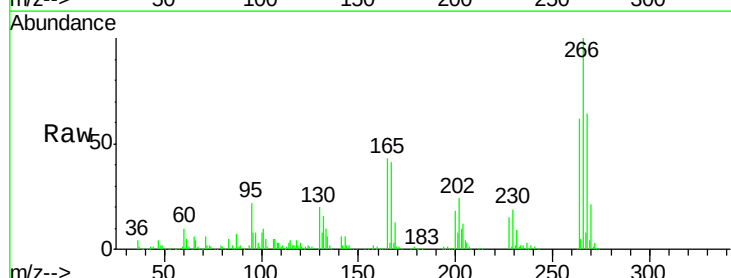
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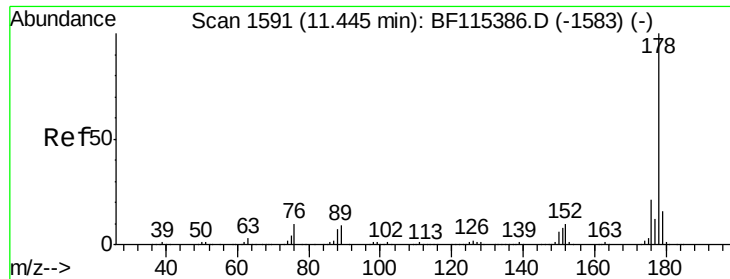
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#70  
 Pentachlorophenol  
 Concen: 46.847 ng  
 RT: 11.22 min Scan# 1553  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 63.7  | 51.2       | 76.8       |
| 264     | 62.3  | 50.6       | 75.8       |





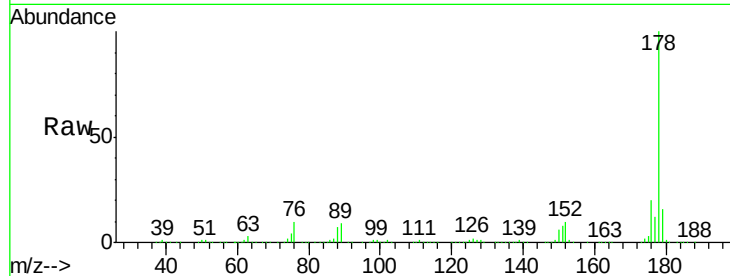
#71  
Phenanthrene  
Concen: 40.460 ng  
RT: 11.45 min Scan# 1591  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

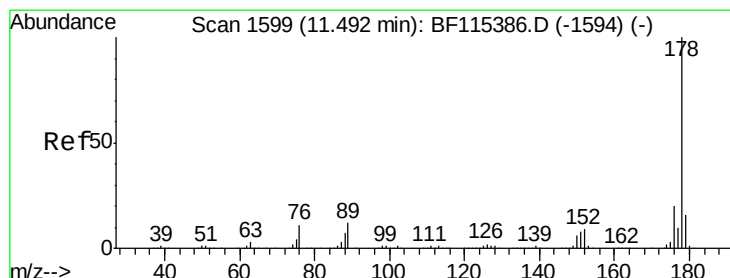
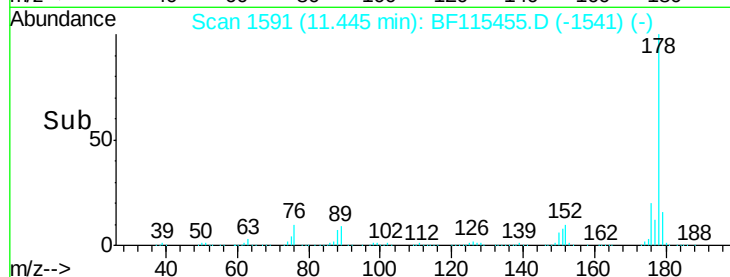
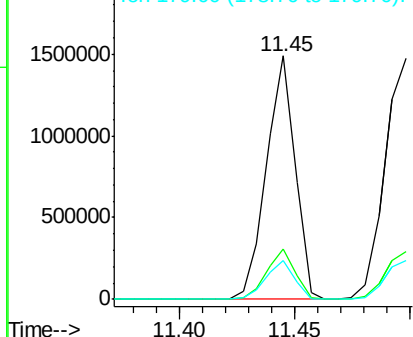
Tgt Ion:178 Resp: 1291778  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.6 24.8  
179 15.9 12.7 19.1

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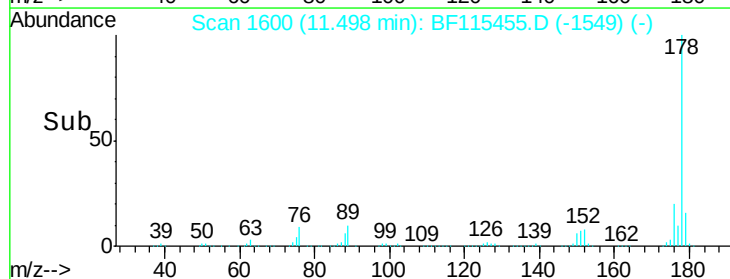
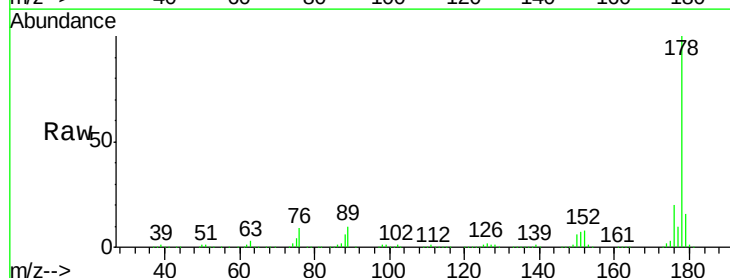
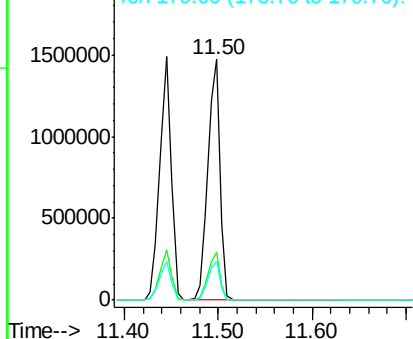
Abundance Ion 178.00 (177.70 to 178.70): E  
2000000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



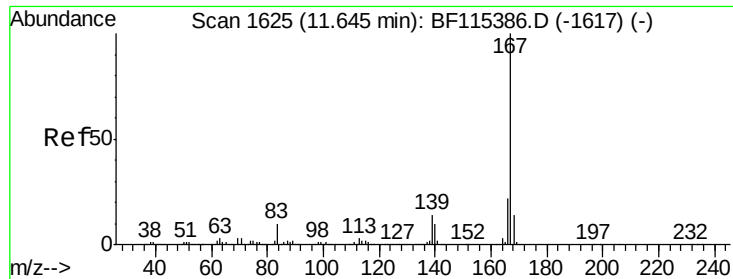
#72  
Anthracene  
Concen: 42.139 ng  
RT: 11.50 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:178 Resp: 1349099  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.8 23.6  
179 16.1 13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E  
2000000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E







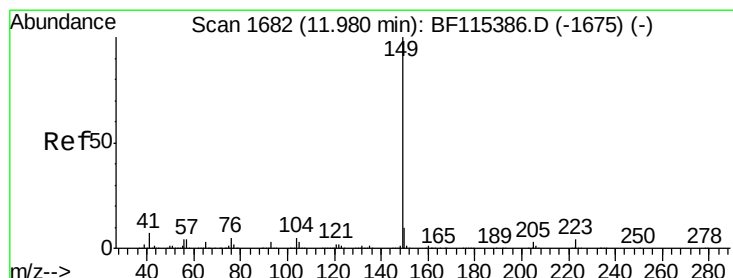
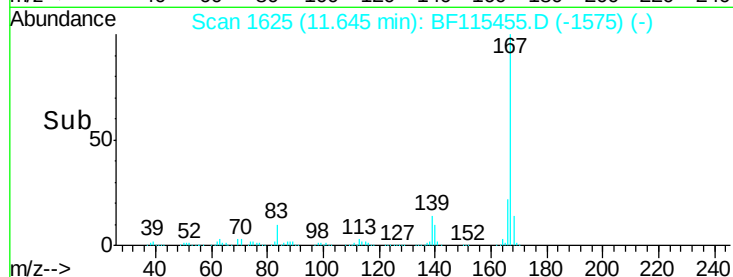
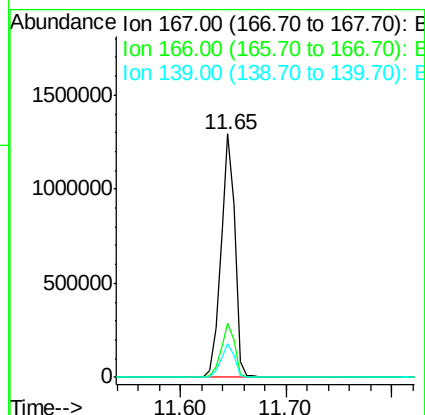
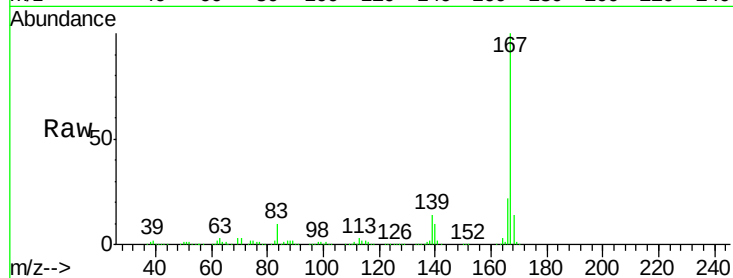
#73  
 Carbazole  
 Concen: 41.412 ng  
 RT: 11.65 min Scan# 1625  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

Tgt Ion:167 Resp: 1212939  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.8 26.8  
 139 13.8 10.9 16.3

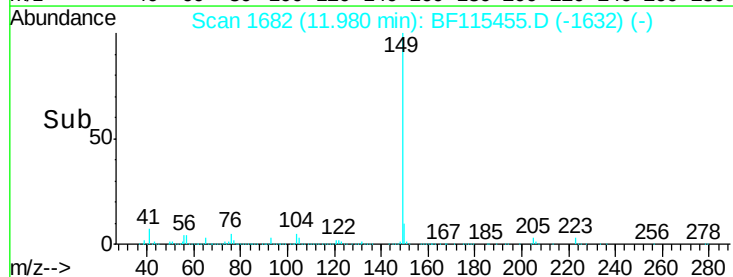
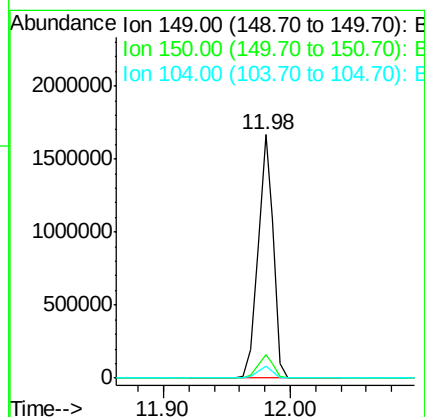
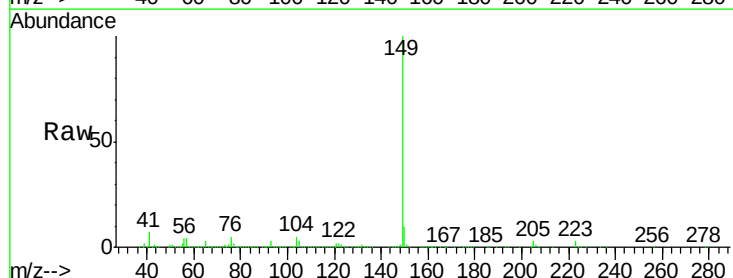
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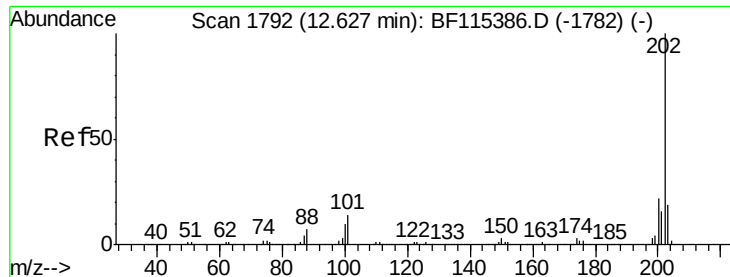
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#74  
 Di-n-butylphthalate  
 Concen: 39.712 ng  
 RT: 11.98 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Tgt Ion:149 Resp: 1405696  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.6 11.4  
 104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 41.057 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

ClientSampleId :

SP19-JMW0991MS

Tgt Ion: 202 Resp: 1380173

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.9

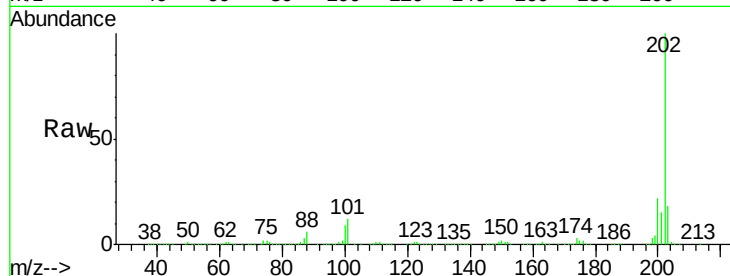
203 17.9 0.0 38.4

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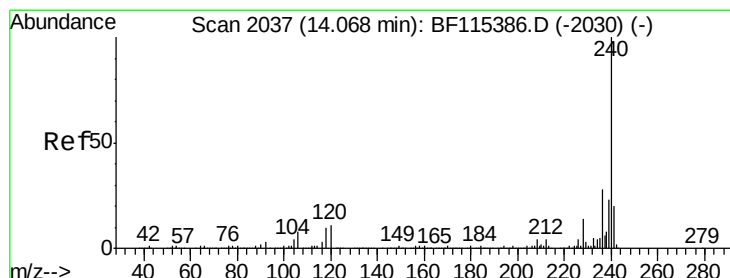
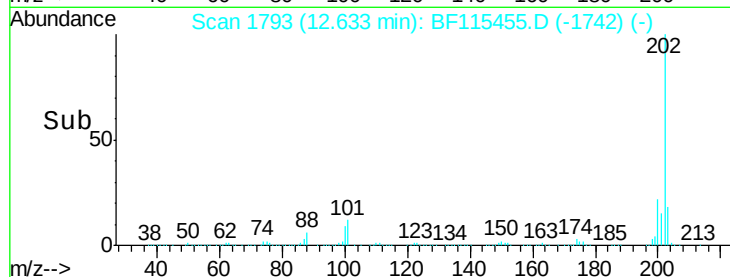
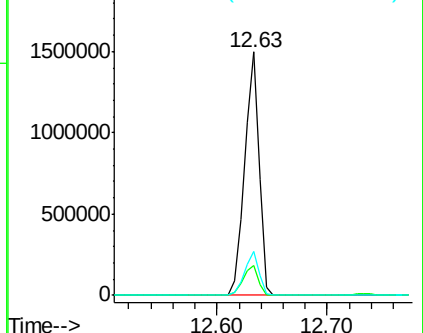
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

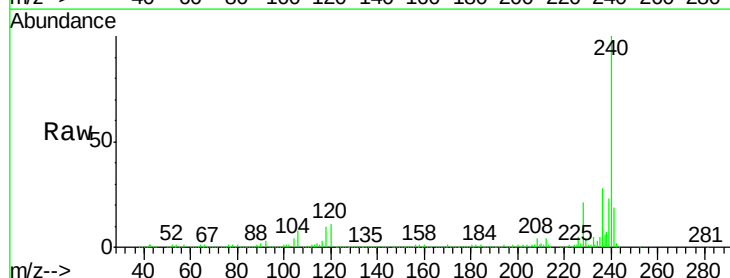
Tgt Ion: 240 Resp: 410260

Ion Ratio Lower Upper

240 100

120 11.0 10.2 15.4

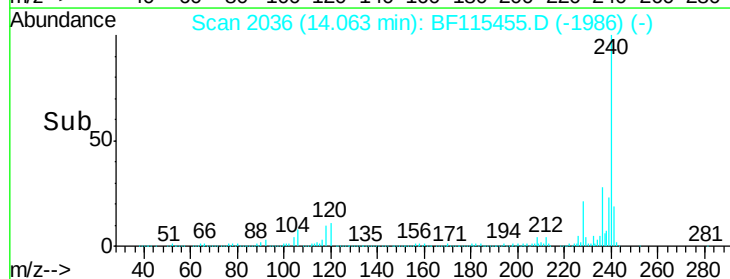
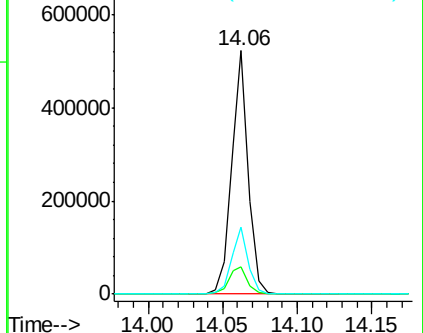
236 27.5 21.1 31.7

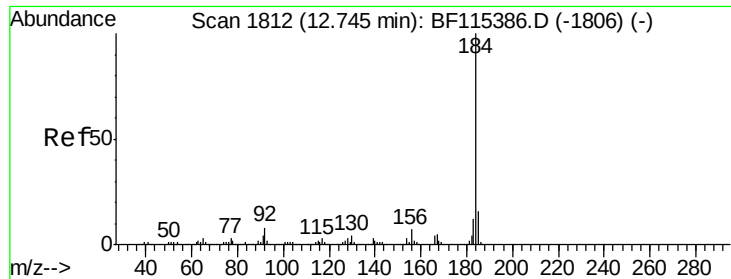


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 22.804 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

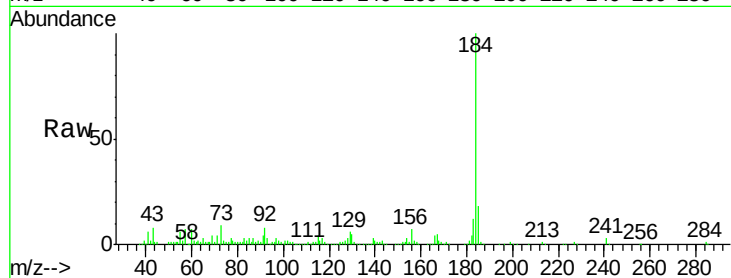
ClientSampleId :

SP19-JMW0991MS

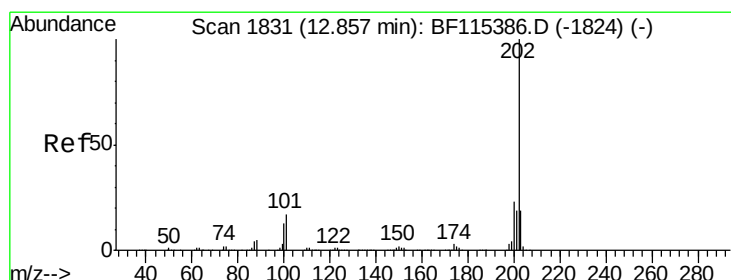
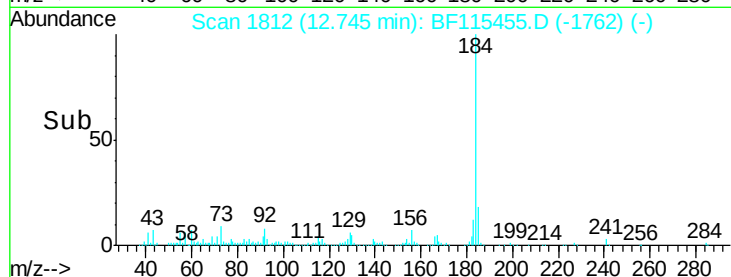
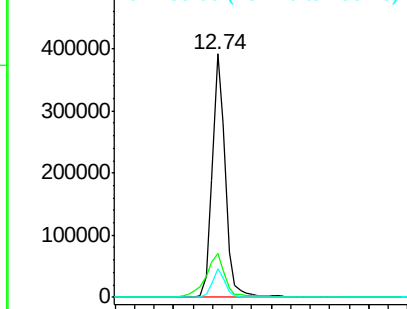
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 364839 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 17.8  | 13.0  | 19.6   |
| 183       | 11.7  | 9.7   | 14.5   |

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



#78

Pyrene

Concen: 43.718 ng

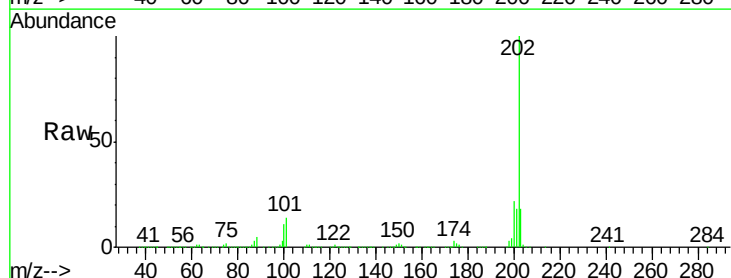
RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

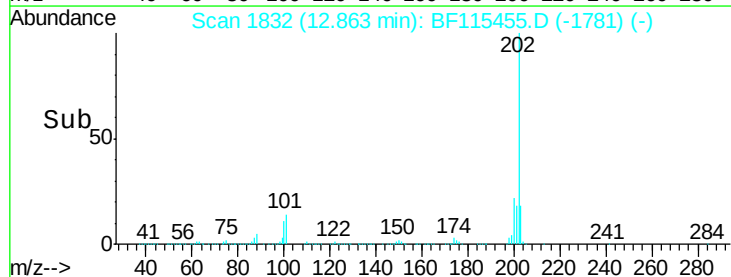
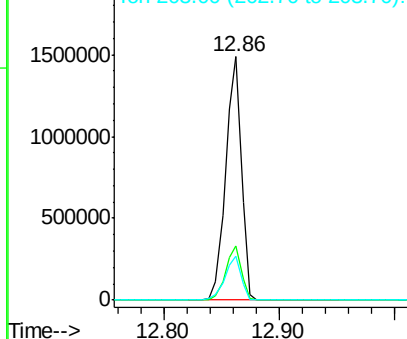
Lab File: BF115455.D

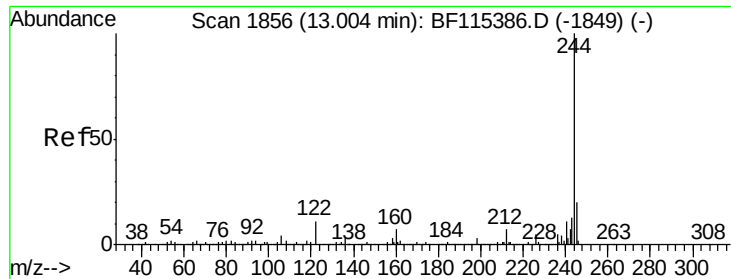
Acq: 10 Jul 2019 15:05

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1394779 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.0  | 17.6  | 26.4    |
| 203       | 17.9  | 14.7  | 22.1    |



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





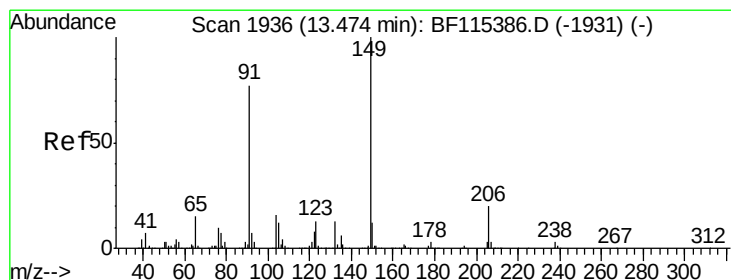
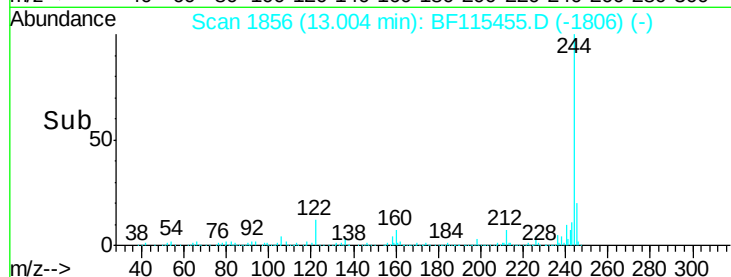
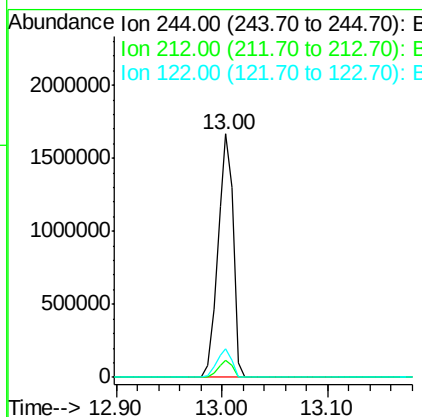
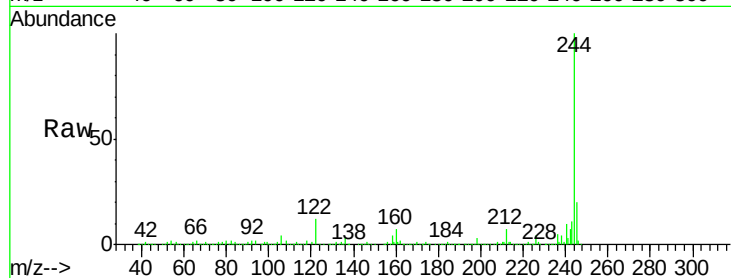
#79  
 Terphenyl-d14  
 Concen: 85.068 ng  
 RT: 13.00 min Scan# 1856  
 Delta R.T. -0.01 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP19-JMW0991MS

Tgt Ion:244 Resp: 1704516  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 11.8 9.1 13.7

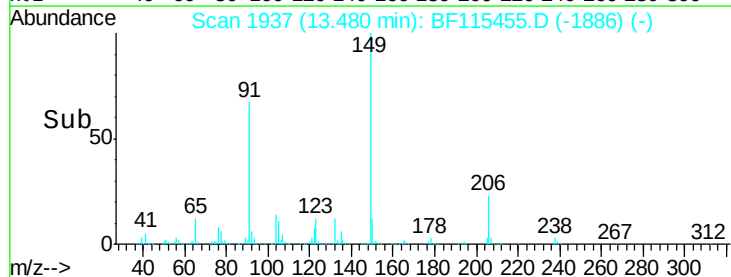
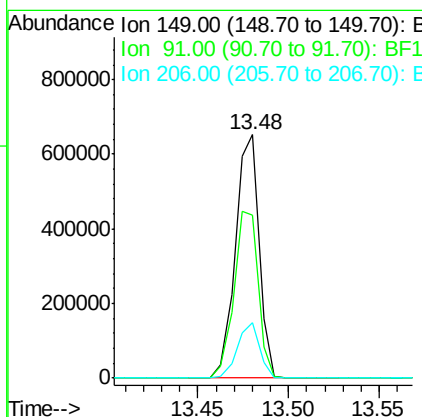
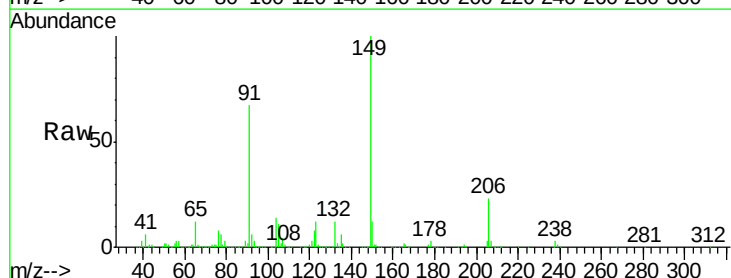
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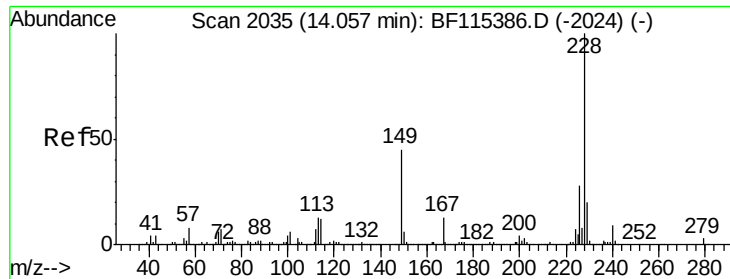
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#80  
 Butylbenzylphthalate  
 Concen: 42.388 ng  
 RT: 13.48 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: BF115455.D  
 Acq: 10 Jul 2019 15:05

Tgt Ion:149 Resp: 590866  
 Ion Ratio Lower Upper  
 149 100  
 91 66.8 57.8 86.6  
 206 22.7 16.9 25.3





#81

Benzo(a)anthracene

Concen: 41.668 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

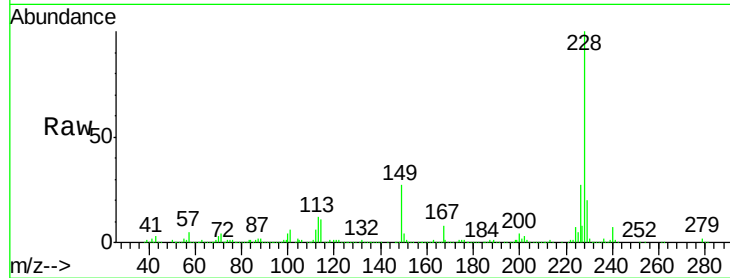
ClientSampleId :

SP19-JMW0991MS

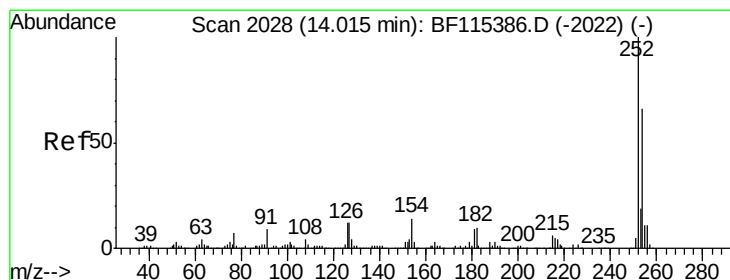
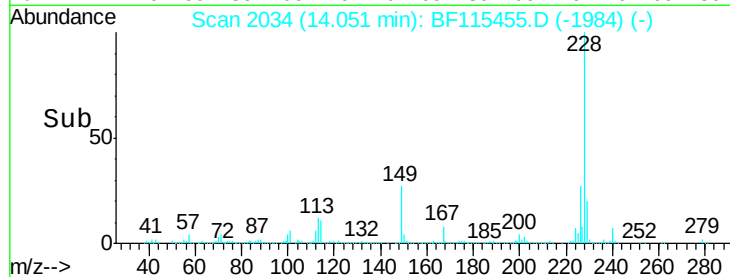
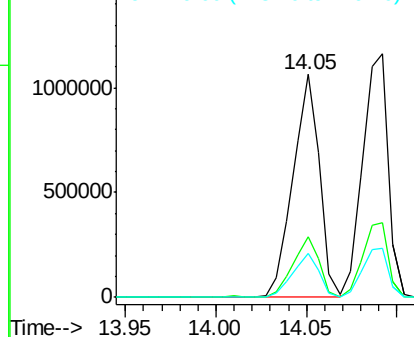
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 228   | Resp: | 1095317 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 27.3  | 22.6  | 34.0    |
| 229      | 20.0  | 16.4  | 24.6    |

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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: 30.803 ng

RT: 14.01 min Scan# 2027

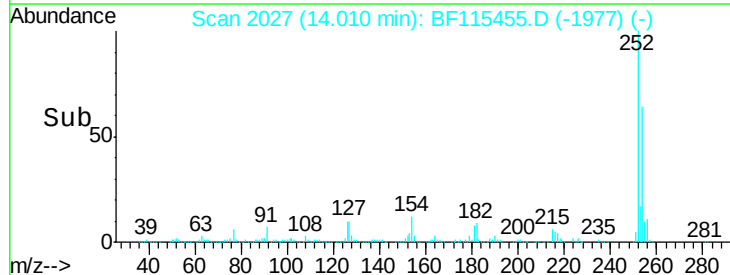
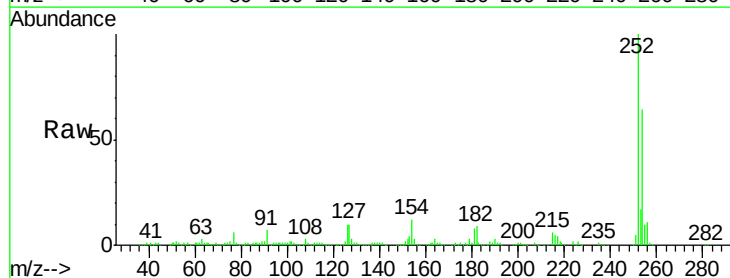
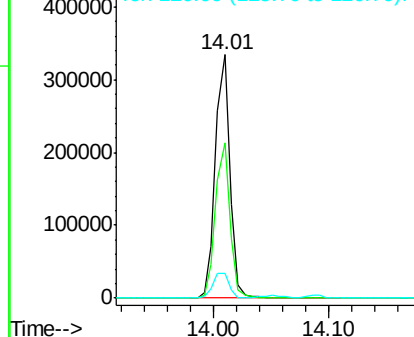
Delta R.T. -0.01 min

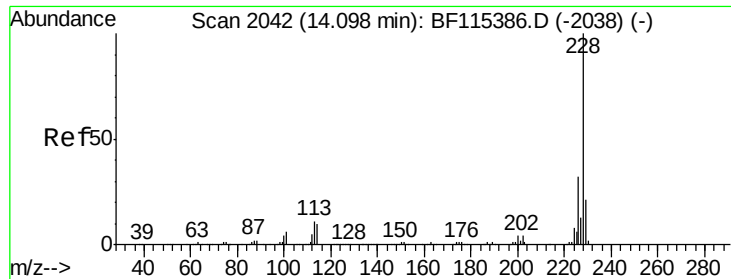
Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 293804 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 254      | 63.6  | 52.9  | 79.3   |
| 126      | 10.3  | 10.0  | 15.0   |

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





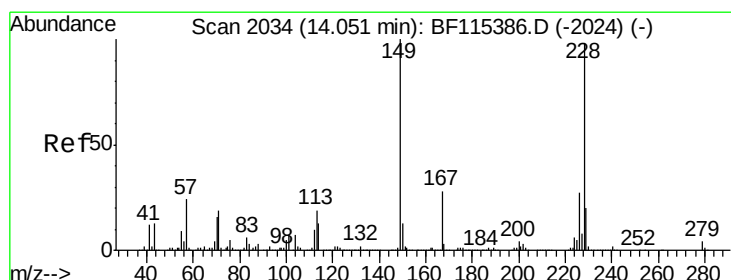
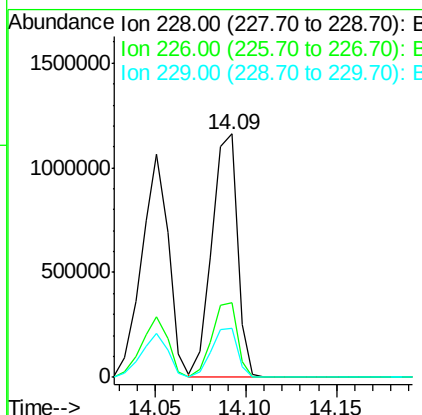
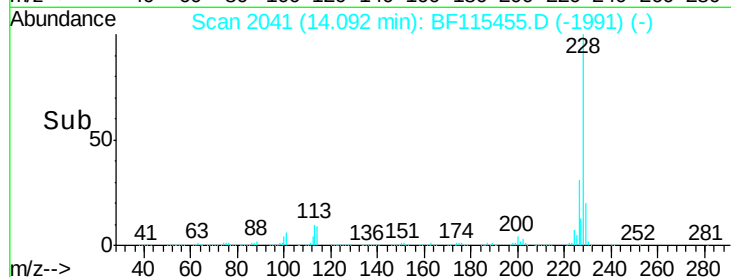
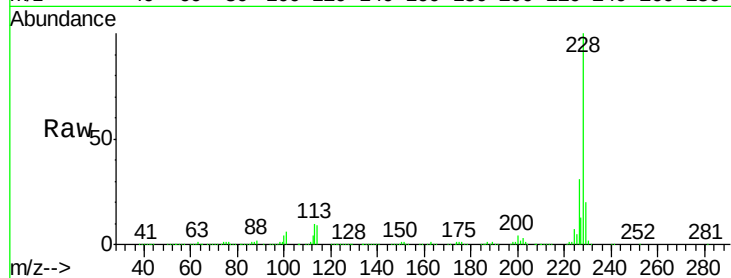
#83  
Chrysene  
Concen: 42.224 ng  
RT: 14.09 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

Tgt Ion:228 Resp: 1140423  
Ion Ratio Lower Upper  
228 100  
226 30.9 25.1 37.7  
229 20.0 16.1 24.1

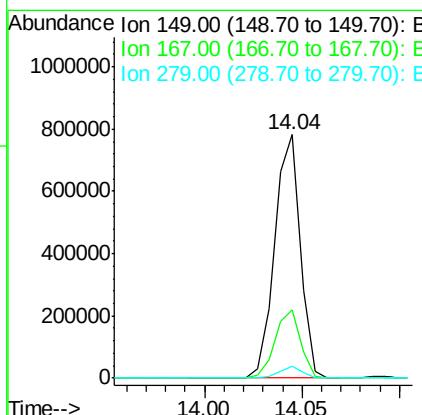
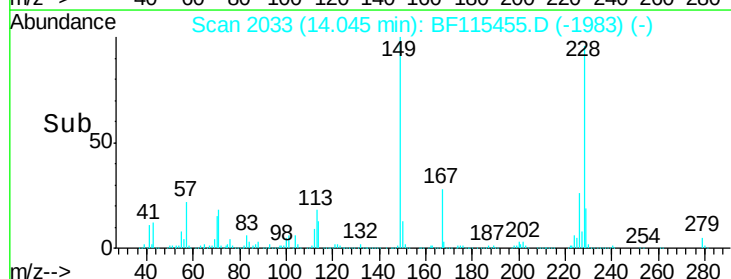
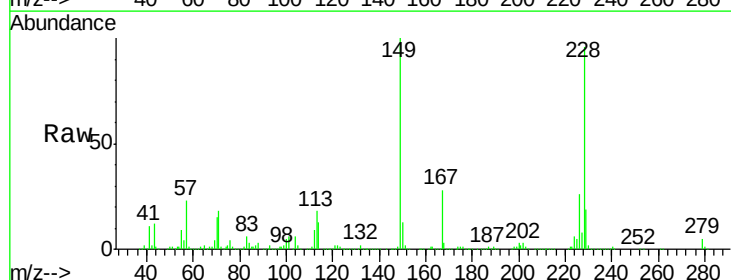
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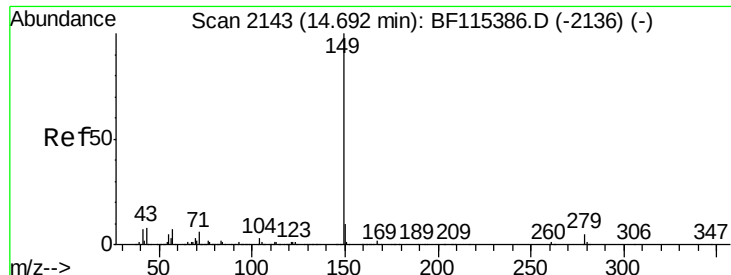
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7/11/2019 5:22:05 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.199 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:149 Resp: 711202  
Ion Ratio Lower Upper  
149 100  
167 28.0 22.6 34.0  
279 4.7 3.8 5.6





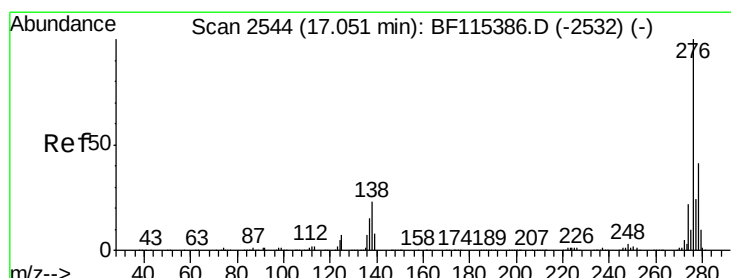
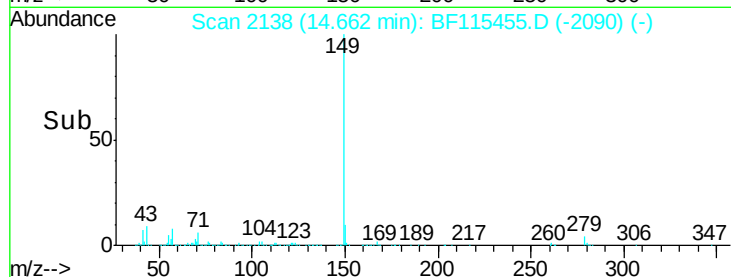
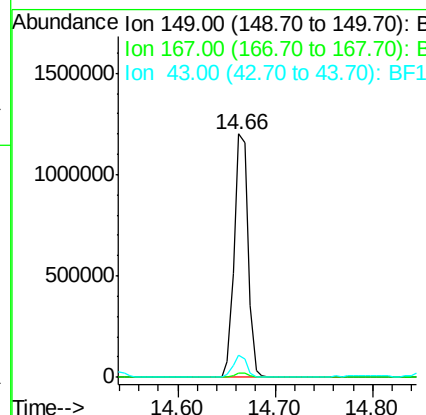
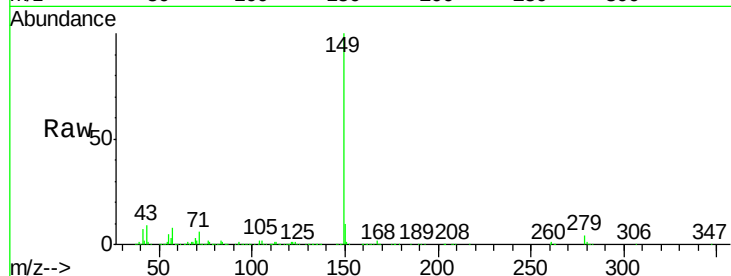
#85  
Di-n-octyl phthalate  
Concen: 38.687 ng  
RT: 14.66 min Scan# 2138  
Delta R.T. -0.02 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 8.3   | 7.0   | 10.6  |

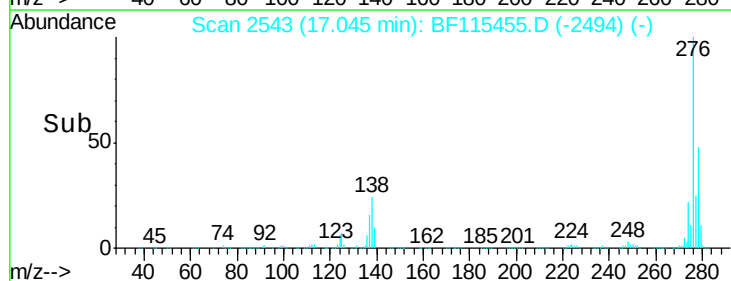
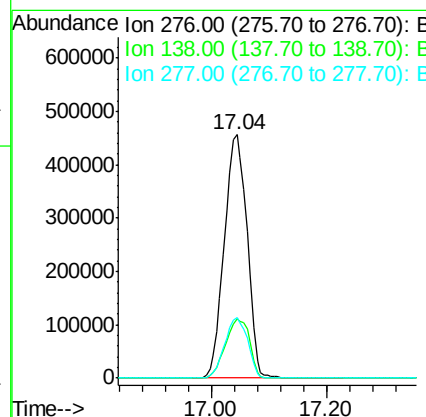
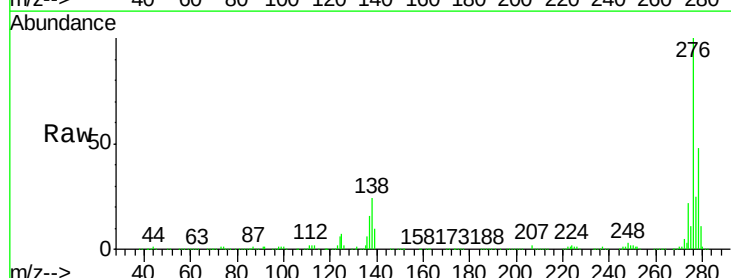
Manual Integrations  
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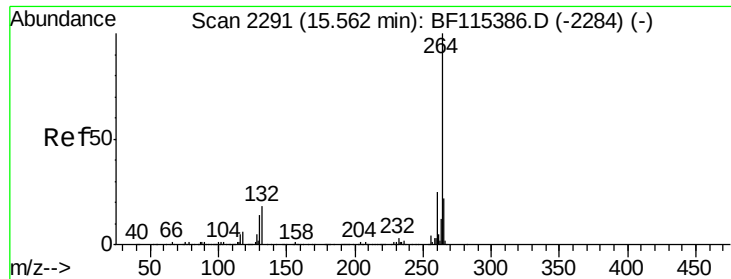
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 58.290 ng  
RT: 17.04 min Scan# 2543  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.8  | 20.6  | 31.0  |
| 277     | 25.1  | 20.2  | 30.2  |





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

Instrument :

BNA\_F

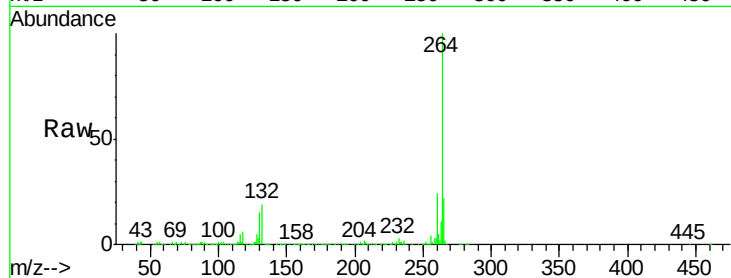
ClientSampleId :

SP19-JMW0991MS

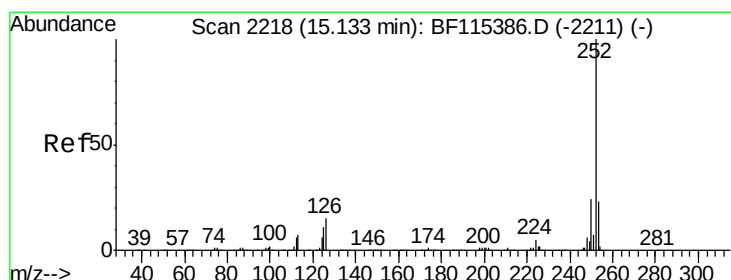
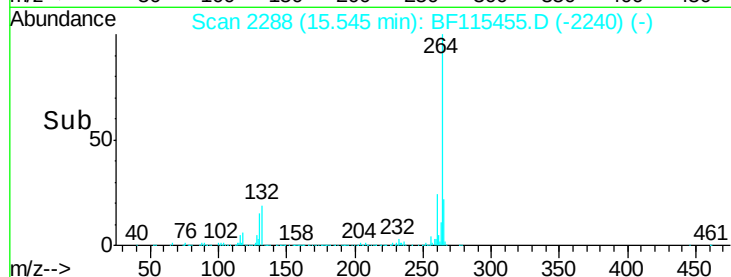
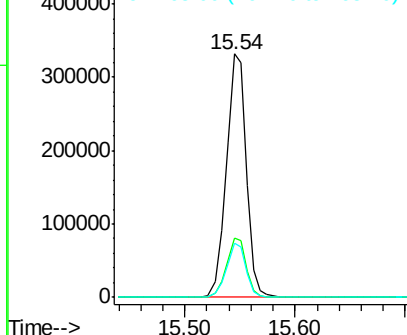
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 419732 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.4  | 20.1  | 30.1   |
| 265       | 22.1  | 17.8  | 26.6   |

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7/11/2019 5:22:05 PM



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



#88

Benzo(b)fluoranthene

Concen: 37.328 ng

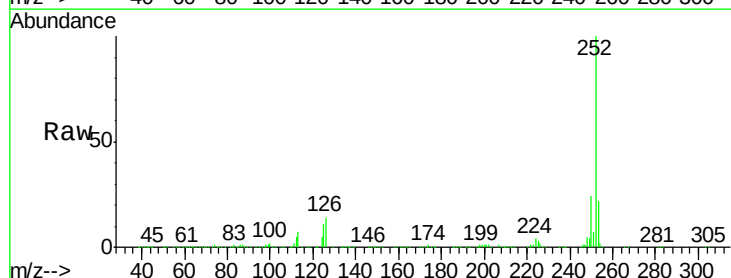
RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

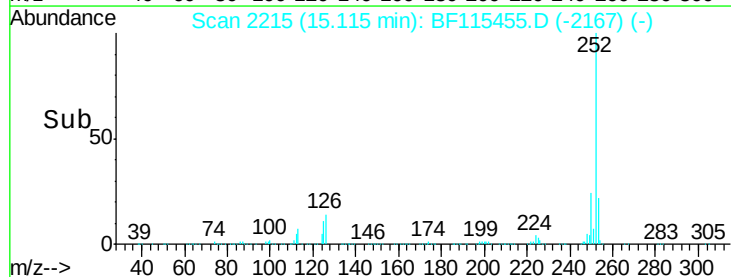
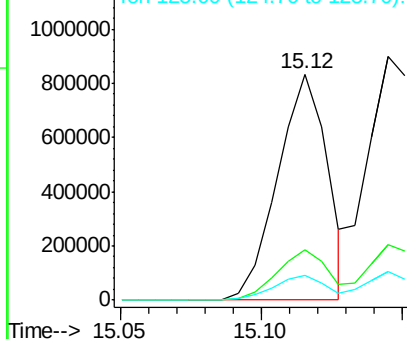
Lab File: BF115455.D

Acq: 10 Jul 2019 15:05

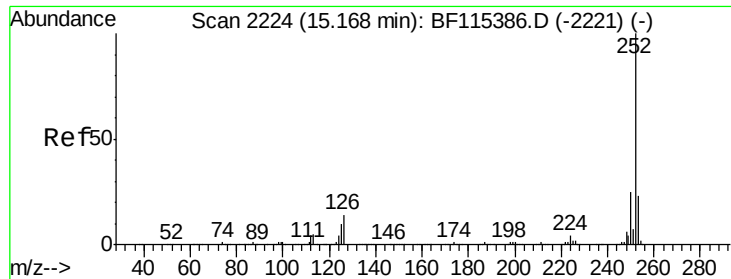
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1020124 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.4  | 18.0  | 27.0    |
| 125       | 10.9  | 8.5   | 12.7    |



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







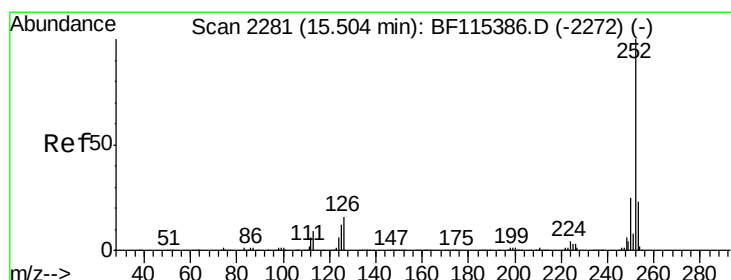
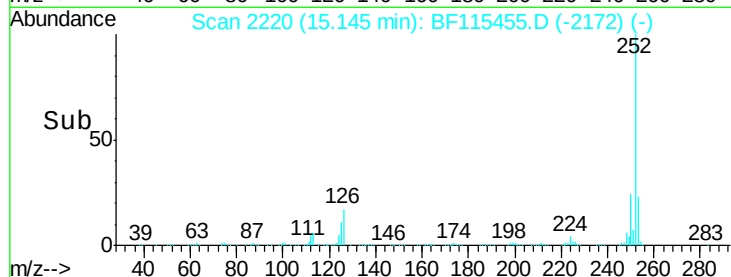
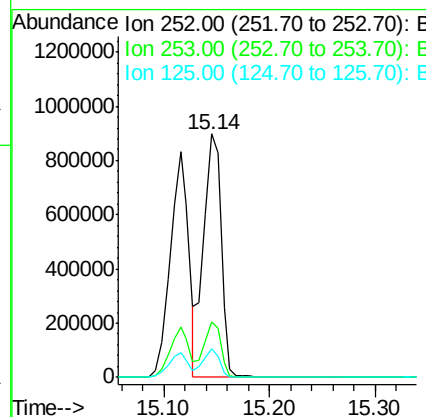
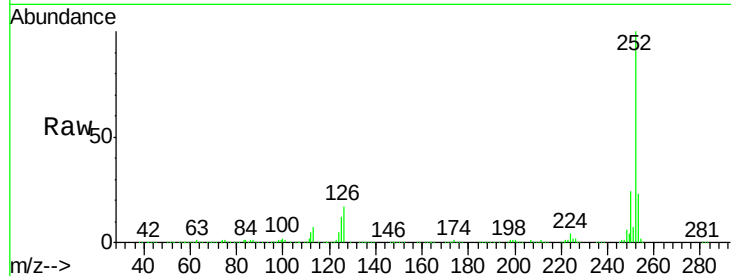
#89  
Benzo(k)fluoranthene  
Concen: 42.324 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. -0.02 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

Tgt Ion:252 Resp: 1028644  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.0 27.0  
125 11.5 8.6 13.0

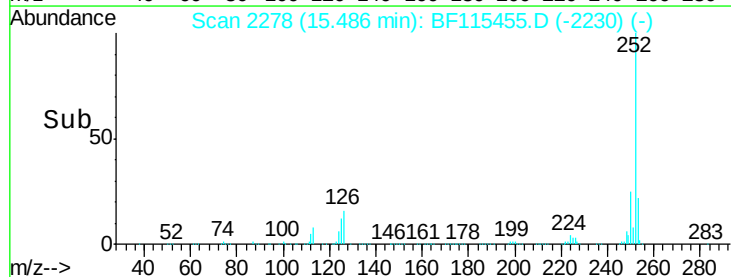
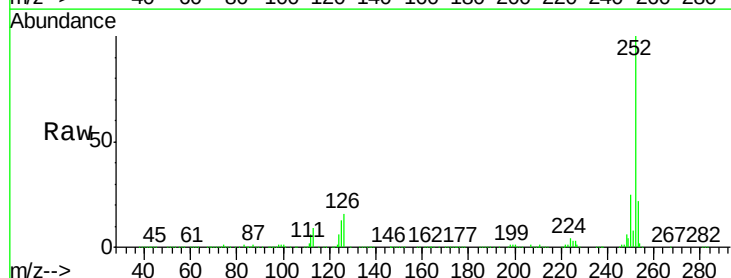
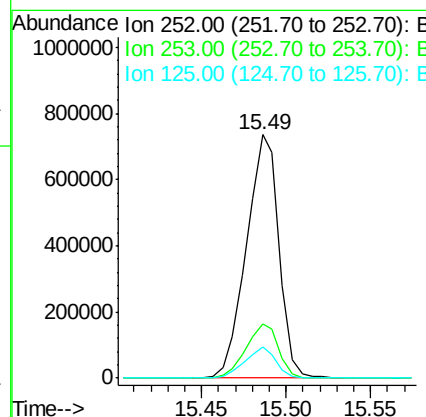
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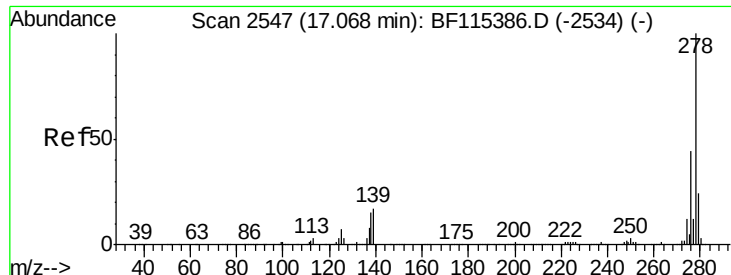
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7/11/2019 5:22:05 PM



#90  
Benzo(a)pyrene  
Concen: 41.960 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. -0.02 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Tgt Ion:252 Resp: 989032  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.7 26.5  
125 12.9 9.7 14.5





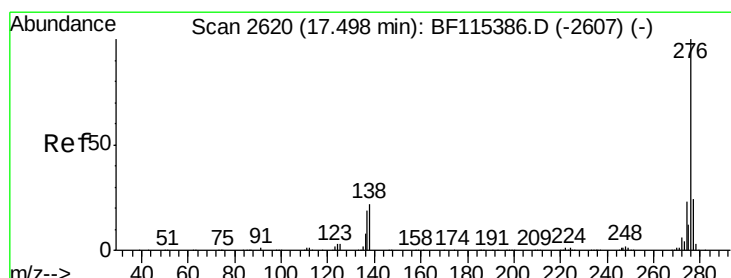
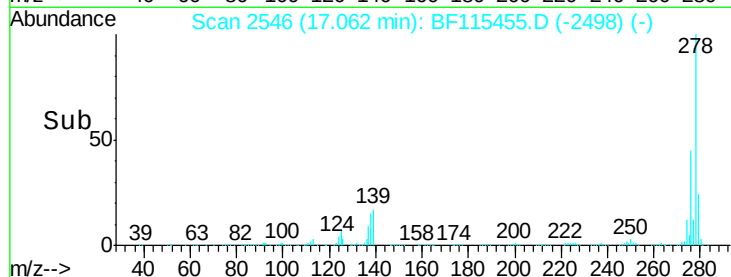
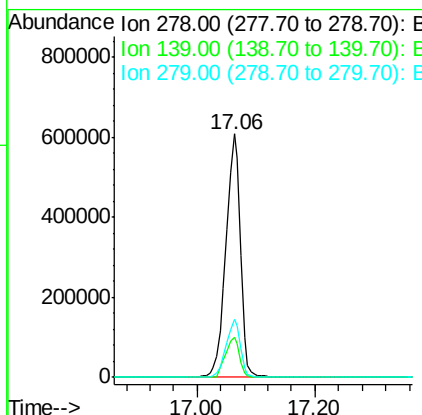
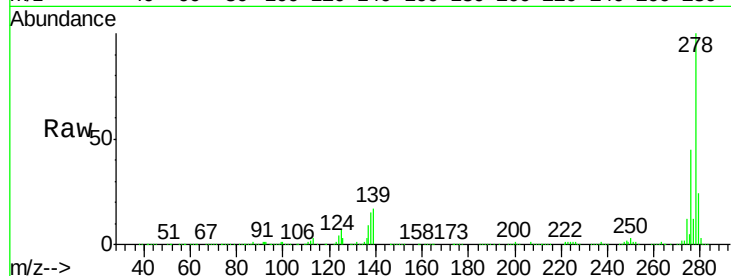
#91  
Dibenzo(a,h)anthracene  
Concen: 51.812 ng  
RT: 17.06 min Scan# 2546  
Delta R.T. -0.02 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

Instrument :  
BNA\_F  
ClientSampleId :  
SP19-JMW0991MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.6  | 13.0  | 19.6  |
| 279     | 23.8  | 19.4  | 29.2  |

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#92  
Benzo(g,h,i)perylene  
Concen: 56.608 ng  
RT: 17.50 min Scan# 2620  
Delta R.T. -0.01 min  
Lab File: BF115455.D  
Acq: 10 Jul 2019 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 18.8  | 28.2  |
| 138     | 22.9  | 17.8  | 26.8  |

