

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\  
 Data File : BF111829.D  
 Acq On : 3 Jan 2019 19:00  
 Operator : JU/SJ  
 Sample : K1017-17MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

Manual Integrations  
 APPROVED

Sohil  
 1/4/2019 9:56:44 AM

Quant Time: Jan 04 03:03:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 289750   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.19  | 136  | 1102921  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.95  | 164  | 543379   | 20.00 | ng    | 0.01     |
| 64) Phenanthrene-d10      | 11.43 | 188  | 866959   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 14.07 | 240  | 569882   | 20.00 | ng    | 0.02     |
| 87) Perylene-d12          | 15.55 | 264  | 453329   | 20.00 | ng    | 0.04     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.55  | 112 | 1836196 | 108.02 | ng | 0.03 |
| 7) Phenol-d6             | 6.55  | 99  | 2402266 | 111.04 | ng | 0.03 |
| 23) Nitrobenzene-d5      | 7.47  | 82  | 1545985 | 81.59  | ng | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 679152  | 105.78 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 9.26  | 172 | 2544197 | 68.25  | ng | 0.00 |
| 79) Terphenyl-d14        | 13.01 | 244 | 1982284 | 65.97  | ng | 0.01 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.73 | 88  | 194045  | 24.262 | ng | 97     |
| 3) Pyridine                    | 3.50 | 79  | 571085  | 27.408 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.43 | 42  | 324855  | 31.857 | ng | 92     |
| 6) Aniline                     | 6.56 | 93  | 446822  | 16.203 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.70 | 128 | 628143  | 33.358 | ng | 96     |
| 9) Benzaldehyde                | 6.45 | 77  | 273123  | 18.357 | ng | 95     |
| 10) Phenol                     | 6.56 | 94  | 839662  | 34.399 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 602193  | 32.923 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.85 | 146 | 691835  | 31.703 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.92 | 146 | 701014  | 31.675 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 661575  | 32.040 | ng | 98     |
| 15) Benzyl Alcohol             | 7.05 | 79  | 563266  | 32.784 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 1029054 | 30.547 | ng | 84     |
| 17) 2-Methylphenol             | 7.16 | 107 | 510217  | 33.839 | ng | # 93   |
| 18) Hexachloroethane           | 7.42 | 117 | 231695  | 31.067 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70  | 452649  | 31.506 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.32 | 107 | 649551  | 34.094 | ng | # 75   |
| 22) Acetophenone               | 7.31 | 105 | 846314  | 30.289 | ng | # 91   |
| 24) Nitrobenzene               | 7.49 | 77  | 672426  | 33.860 | ng | 94     |
| 25) Isophorone                 | 7.72 | 82  | 1204838 | 35.818 | ng | 99     |
| 26) 2-Nitrophenol              | 7.80 | 139 | 337613  | 41.917 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.84 | 122 | 574085  | 36.158 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 780919  | 34.887 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.05 | 162 | 569623  | 33.355 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.13 | 180 | 606883  | 31.891 | ng | 98     |
| 31) Naphthalene                | 8.21 | 128 | 1800152 | 33.969 | ng | 98     |
| 32) Benzoic acid               | 7.93 | 122 | 80508   | 7.669  | ng | 94     |
| 33) 4-Chloroaniline            | 8.25 | 127 | 217985  | 9.517  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.33 | 225 | 361449  | 31.164 | ng | 99     |
| 35) Caprolactam                | 8.62 | 113 | 177346m | 30.647 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.75 | 107 | 546678  | 32.566 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 1229042 | 35.647 | ng | 99     |
| 38) 1-Methylnaphthalene        | 9.00 | 142 | 1154700 | 34.871 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 594837  | 33.314 | ng | # 97   |

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 Sample : K1017-17MSD  
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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleID :  
 TP-5MSD

Manual Integrations  
 APPROVED

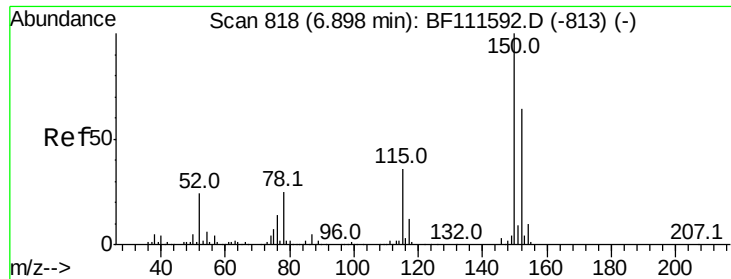
Sohil  
 1/4/2019 9:56:44 AM

Quant Time: Jan 04 03:03:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 332546   | 38.380 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.18  | 196  | 405867   | 34.046 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.23  | 196  | 420537   | 34.386 | nq    | # 90     |
| 46) 1,1'-Biphenyl              | 9.36  | 154  | 1477888  | 32.219 | nq    | 96       |
| 47) 2-Chloronaphthalene        | 9.39  | 162  | 1140810  | 31.391 | nq    | 96       |
| 48) 2-Nitroaniline             | 9.48  | 65   | 362978   | 38.393 | nq    | 95       |
| 49) Acenaphthylene             | 9.80  | 152  | 1782254  | 33.589 | nq    | 97       |
| 50) Dimethylphthalate          | 9.66  | 163  | 1793818  | 45.144 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 304106   | 38.381 | nq    | 99       |
| 52) Acenaphthene               | 9.97  | 154  | 1059269  | 32.368 | nq    | 98       |
| 53) 3-Nitroaniline             | 9.89  | 138  | 210326   | 24.890 | nq    | 100      |
| 54) 2,4-Dinitrophenol          | 9.99  | 184  | 80117    | 35.937 | nq    | 92       |
| 55) Dibenzofuran               | 10.15 | 168  | 1567660  | 31.707 | nq    | 92       |
| 56) 4-Nitrophenol              | 10.06 | 139  | 422720   | 65.551 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.13 | 165  | 387867   | 40.731 | nq    | # 87     |
| 58) Fluorene                   | 10.49 | 166  | 1171619  | 32.885 | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.27 | 232  | 340956   | 33.128 | nq    | # 86     |
| 60) Diethylphthalate           | 10.36 | 149  | 1304082  | 33.457 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.48 | 204  | 620627   | 31.530 | nq    | 89       |
| 62) 4-Nitroaniline             | 10.50 | 138  | 254477   | 30.985 | nq    | 96       |
| 63) Azobenzene                 | 10.64 | 77   | 1176337  | 30.061 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 77905    | 25.404 | nq    | 81       |
| 66) n-Nitrosodiphenylamine     | 10.60 | 169  | 1070720  | 36.792 | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.97 | 248  | 386745   | 35.966 | nq    | 93       |
| 68) Hexachlorobenzene          | 11.05 | 284  | 400256   | 33.384 | nq    | # 92     |
| 69) Atrazine                   | 11.12 | 200  | 358829   | 35.492 | nq    | 95       |
| 70) Pentachlorophenol          | 11.24 | 266  | 355971   | 48.026 | nq    | 96       |
| 71) Phenanthrene               | 11.45 | 178  | 1554620  | 33.812 | nq    | 95       |
| 72) Anthracene                 | 11.50 | 178  | 1575281  | 34.134 | nq    | 96       |
| 73) Carbazole                  | 11.66 | 167  | 1304556  | 29.116 | nq    | 96       |
| 74) Di-n-butylphthalate        | 11.98 | 149  | 1787870  | 35.589 | nq    | 97       |
| 75) Fluoranthene               | 12.64 | 202  | 1327013  | 28.502 | nq    | 97       |
| 77) Benzidine                  | 12.76 | 184  | 641392   | 29.910 | nq    | 97       |
| 78) Pyrene                     | 12.87 | 202  | 1281264  | 31.838 | nq    | 95       |
| 80) Butylbenzylphthalate       | 13.48 | 149  | 562805   | 34.308 | nq    | # 87     |
| 81) Benzo(a)anthracene         | 14.06 | 228  | 1142802  | 35.138 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.02 | 252  | 394739   | 30.719 | nq    | # 96     |
| 83) Chrysene                   | 14.09 | 228  | 1075669  | 33.651 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 798039   | 38.621 | nq    | # 98     |
| 85) Di-n-octyl phthalate       | 14.65 | 149  | 1279280  | 39.959 | nq    | 95       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.06 | 276  | 730353   | 26.877 | nq    | # 89     |
| 88) Benzo(b)fluoranthene       | 15.12 | 252  | 1010298  | 38.132 | nq    | # 97     |
| 89) Benzo(k)fluoranthene       | 15.14 | 252  | 878934   | 34.846 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.49 | 252  | 841759   | 34.971 | nq    | # 93     |
| 91) Dibenzo(a,h)anthracene     | 17.07 | 278  | 621127   | 29.468 | nq    | # 92     |
| 92) Benzo(g,h,i)perylene       | 17.51 | 276  | 586666   | 28.504 | nq    | # 88     |

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





#1

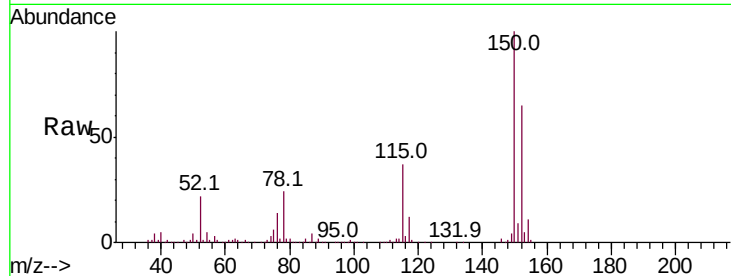
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.1 | 126.6 | 189.8 |
| 115     | 56.5  | 50.7  | 76.1  |

Manual Integrations  
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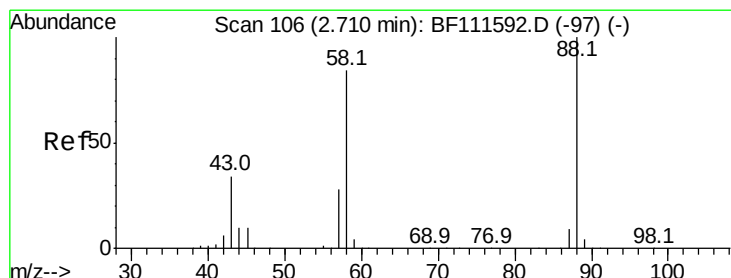
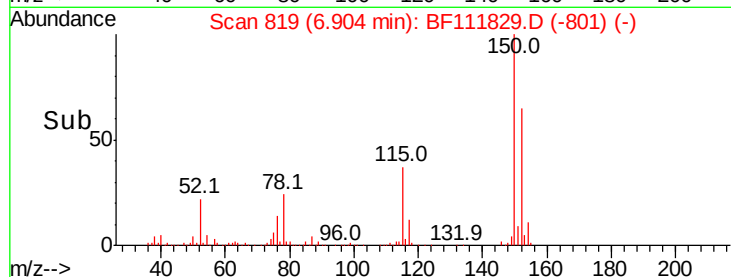
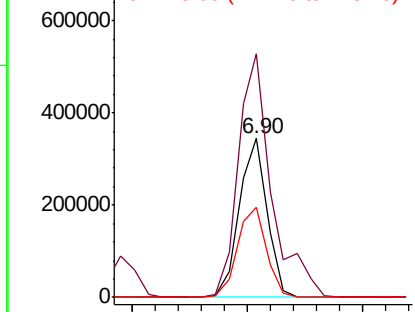


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

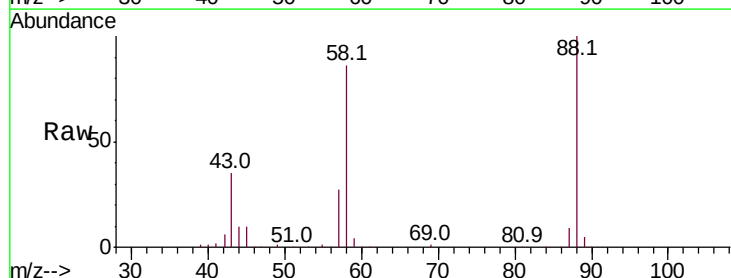
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 24.262 ng  
RT: 2.73 min Scan# 109  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 83.0  | 68.9  | 103.3 |
| 43      | 34.2  | 25.8  | 38.6  |

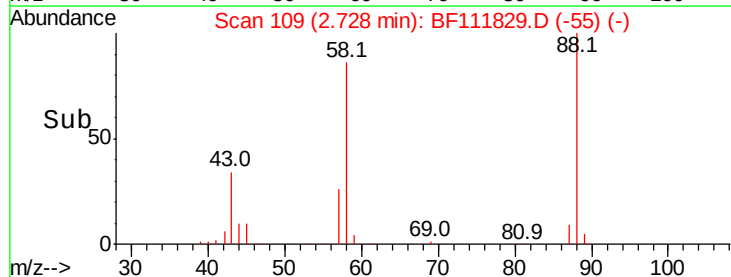
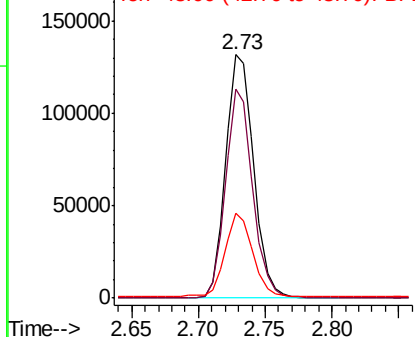


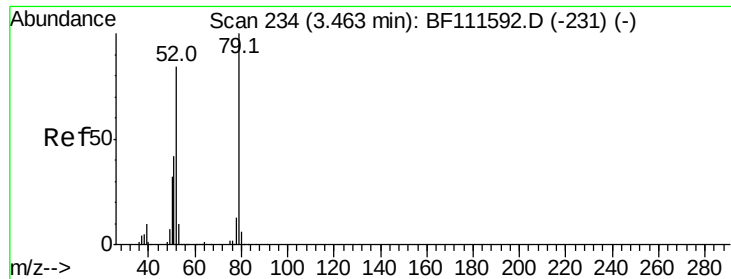
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 27.408 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.04 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

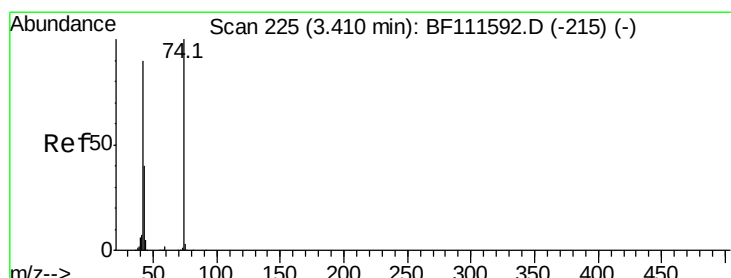
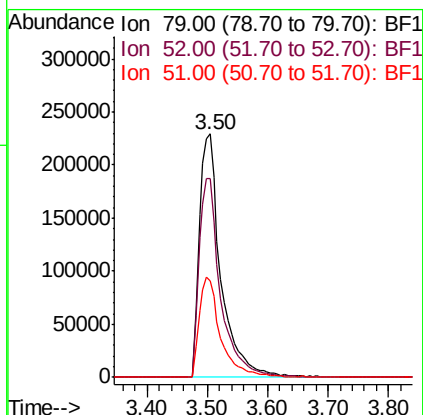
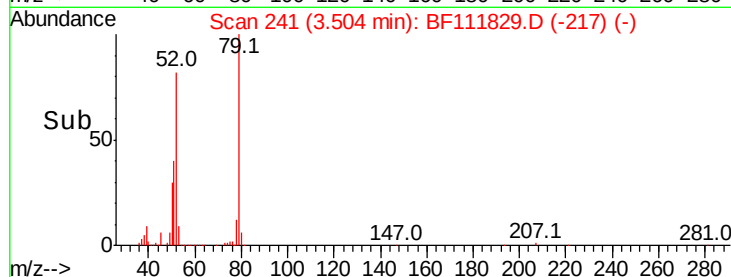
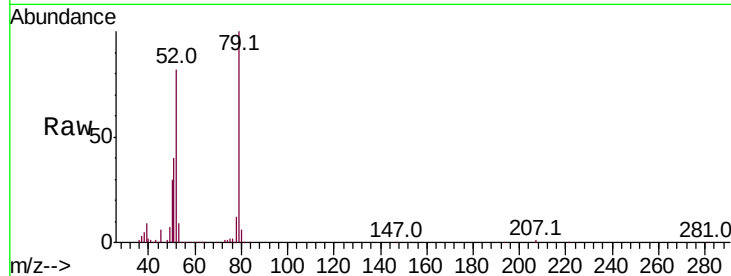
ClientSampleId :

TP-5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 571085 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 81.6  | 68.3  | 102.5  |
| 51        | 39.7  | 32.6  | 49.0   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 31.857 ng

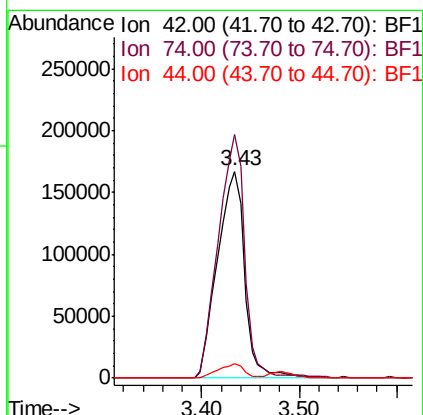
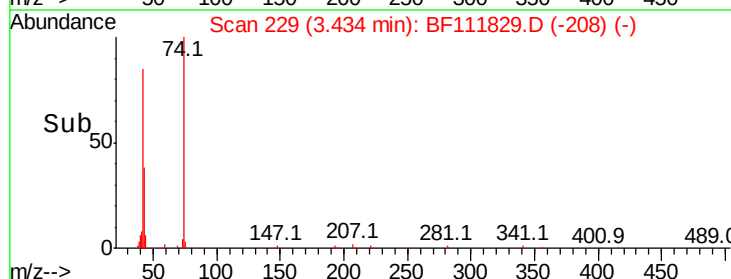
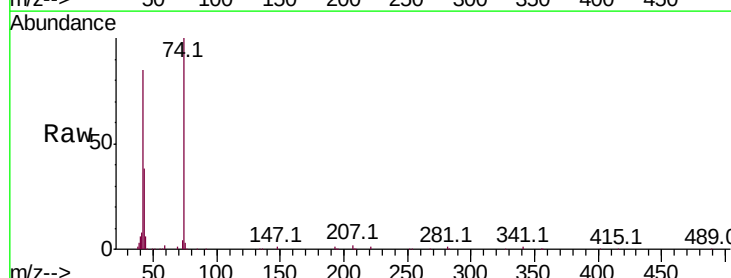
RT: 3.43 min Scan# 229

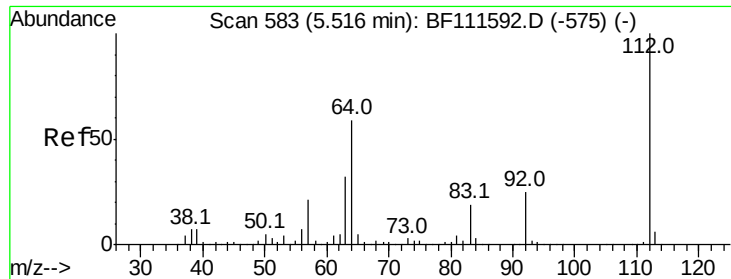
Delta R.T. 0.02 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 324855 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 117.6 | 101.5 | 152.3  |
| 44        | 6.7   | 6.0   | 9.0    |





#5

2-Fluorophenol

Concen: 108.019 ng

RT: 5.55 min Scan# 588

Delta R.T. 0.03 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampled :

TP-5MSD

Tot Ion: 112 Resp: 1836196

Ion Ratio Lower Upper

112 100

64 62.1 51.8 77.6

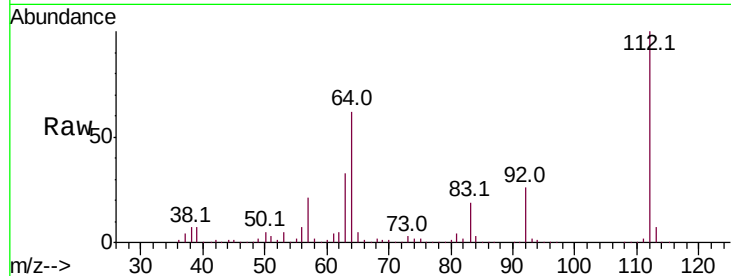
63 33.0 26.8 40.2

Manual Integrations

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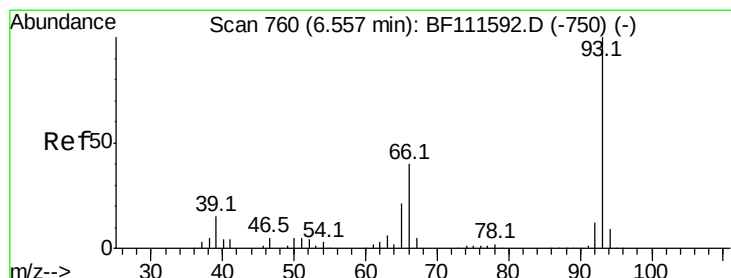
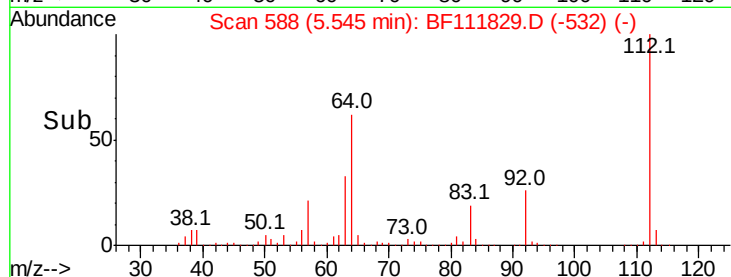
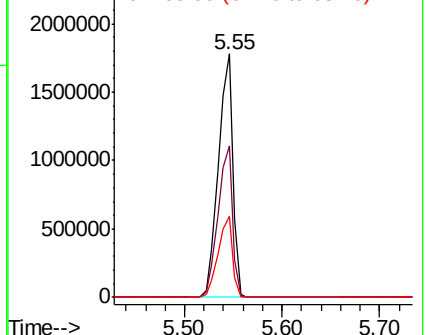
1/4/2019 9:56:44 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 16.203 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

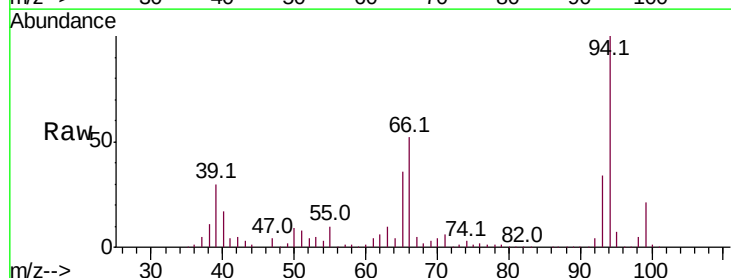
Tgt Ion: 93 Resp: 446822

Ion Ratio Lower Upper

93 100

66 153.8 33.2 49.8#

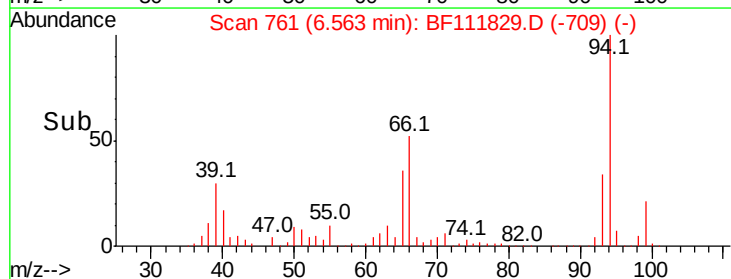
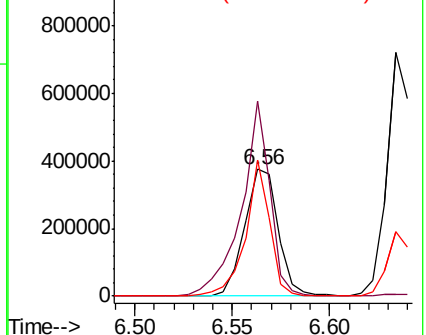
65 107.8 17.0 25.4#

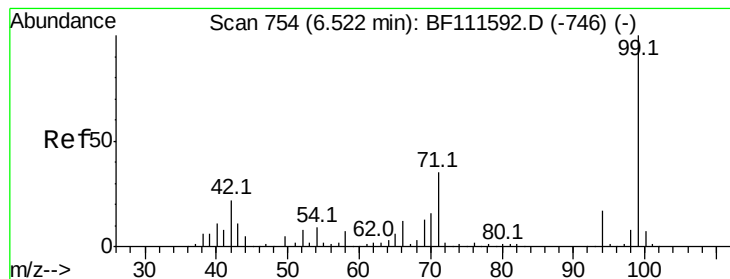


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 111.044 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampled :

TP-5MSD

Tot Ion: 99 Resp: 2402266

Ion Ratio Lower Upper

99 100

42 21.6 17.4 26.0

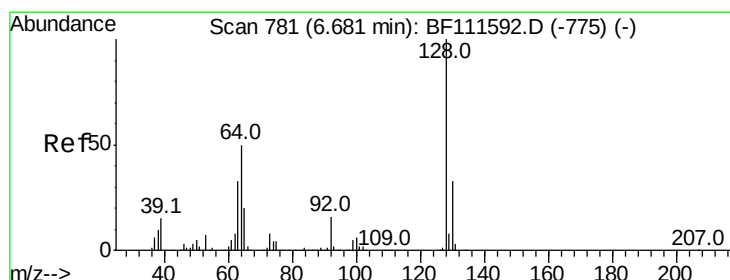
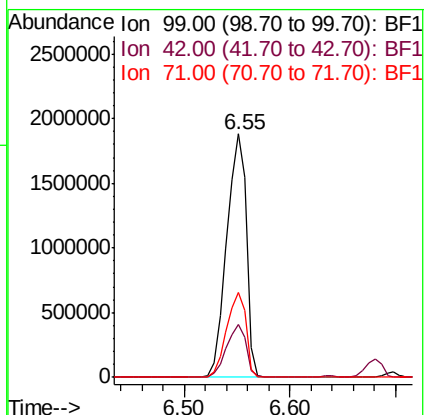
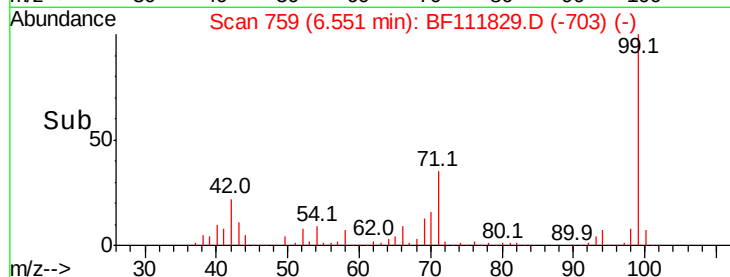
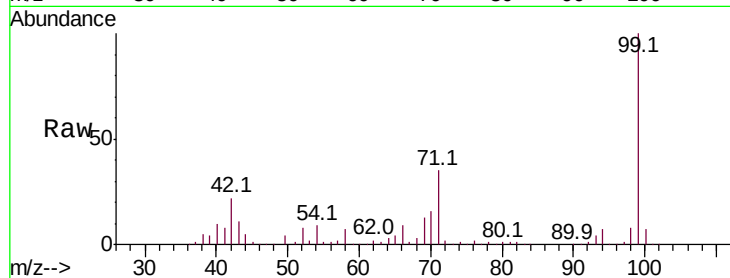
71 35.0 26.1 39.1

Manual Integrations

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#8

2-Chlorophenol

Concen: 33.358 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.02 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

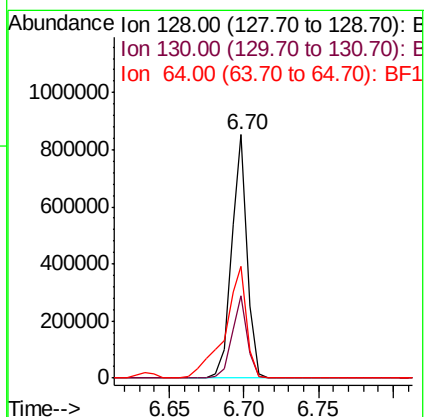
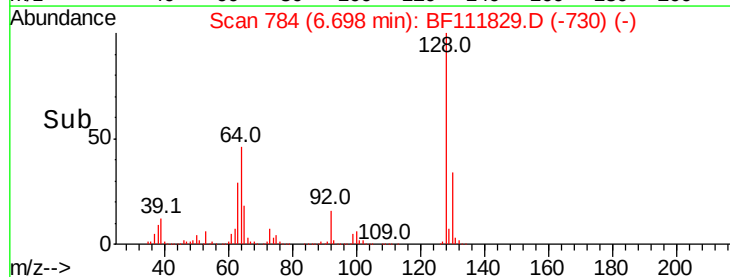
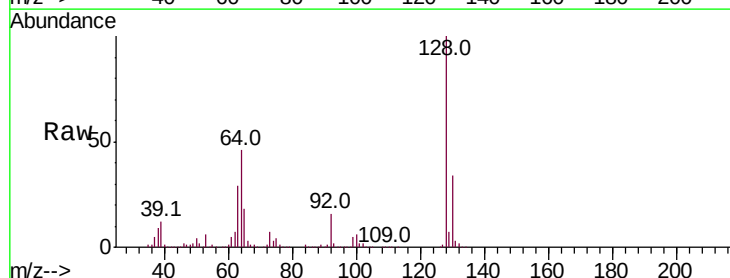
Tgt Ion:128 Resp: 628143

Ion Ratio Lower Upper

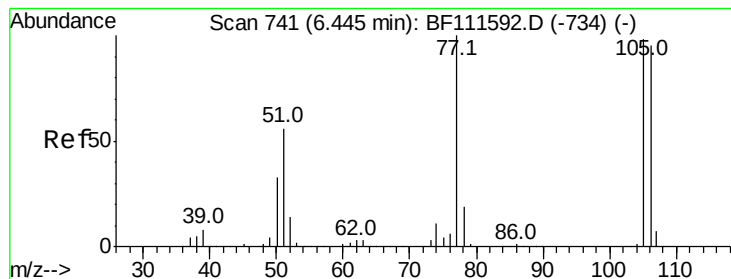
128 100

130 33.6 12.7 52.7

64 46.0 30.0 70.0







#9

Benzaldehyde

Concen: 18.357 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

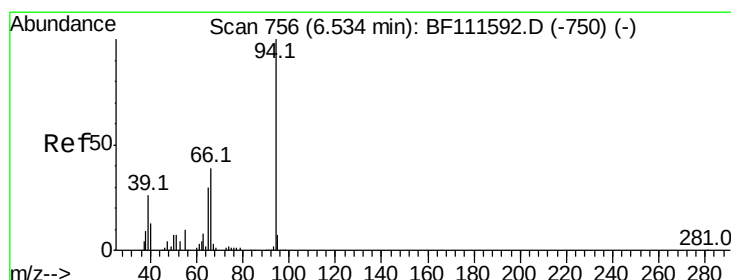
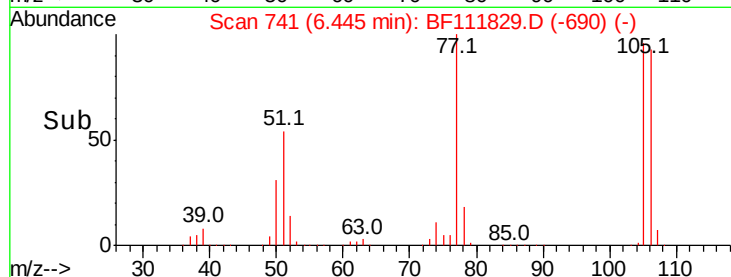
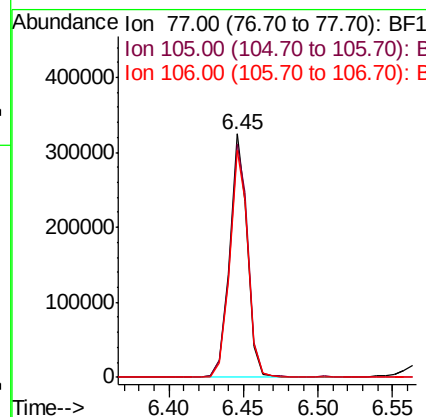
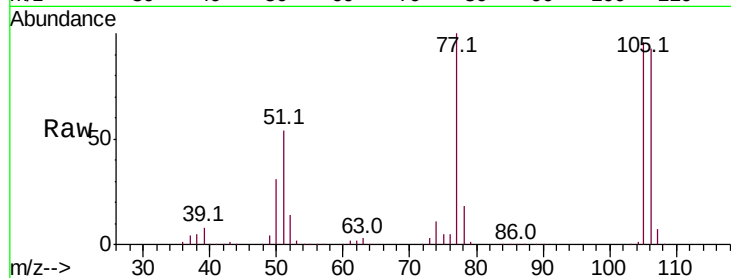
ClientSampled :

TP-5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 273123 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 95.8  | 81.4  | 121.4  |
| 106       | 93.4  | 77.9  | 117.9  |

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#10

Phenol

Concen: 34.399 ng

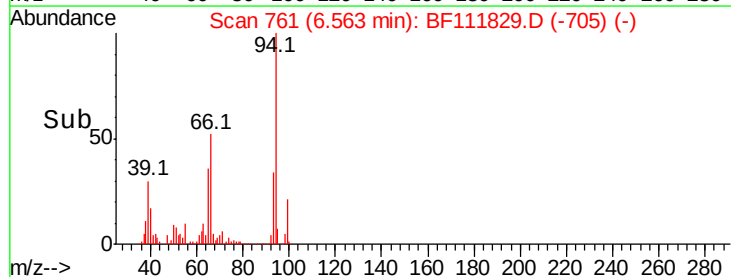
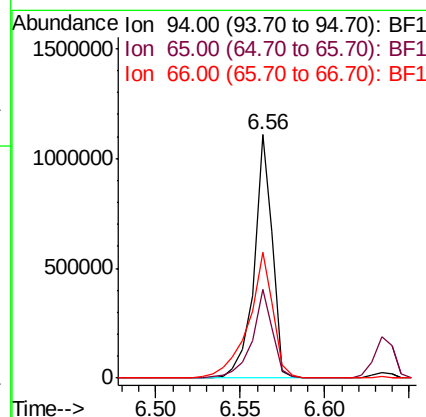
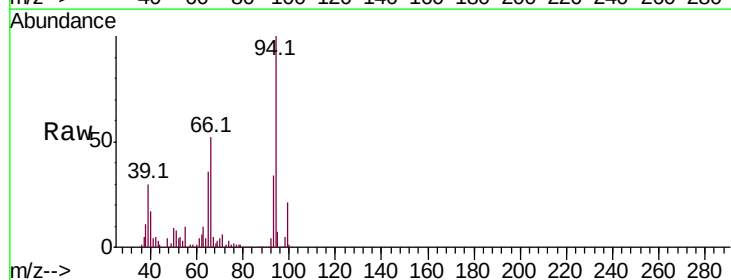
RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

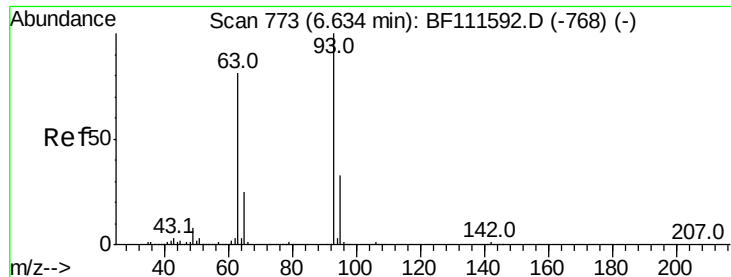
Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 839662 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 36.4  | 11.7  | 51.7   |
| 66        | 52.0  | 21.0  | 61.0   |







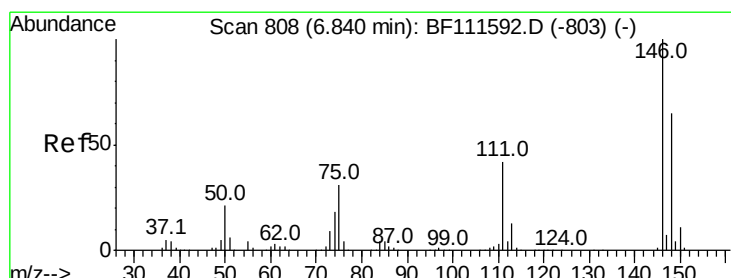
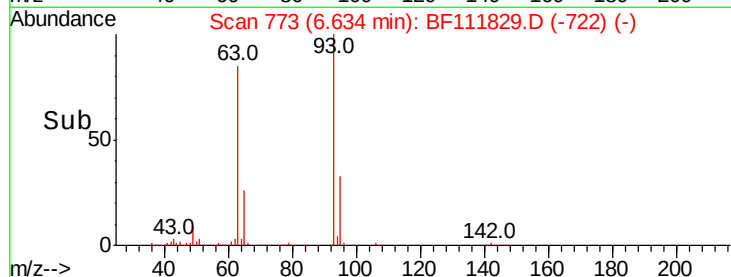
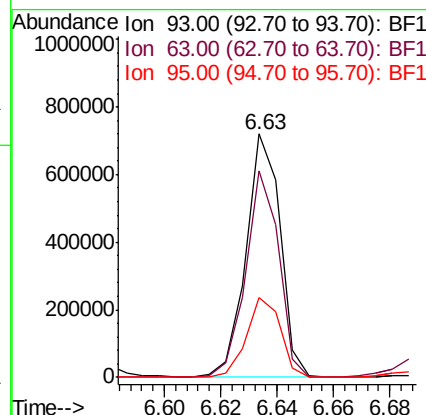
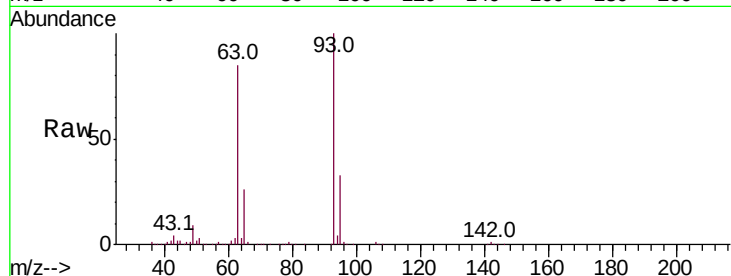
#11  
bis(2-Chloroethyl)ether  
Concen: 32.923 ng  
RT: 6.63 min Scan# 773  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 84.7  | 60.0  | 100.0 |
| 95      | 32.6  | 13.4  | 53.4  |

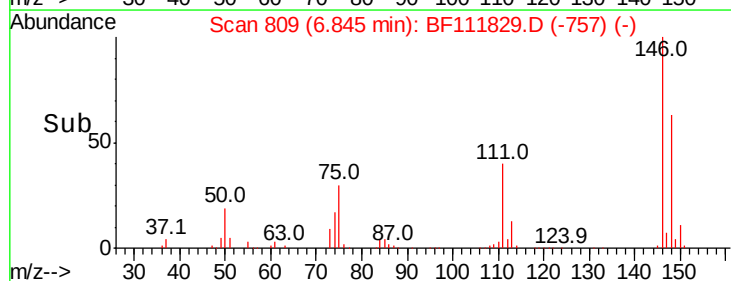
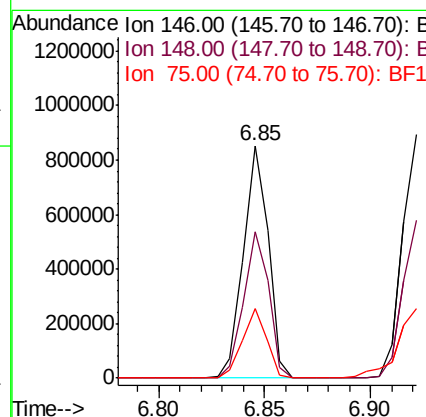
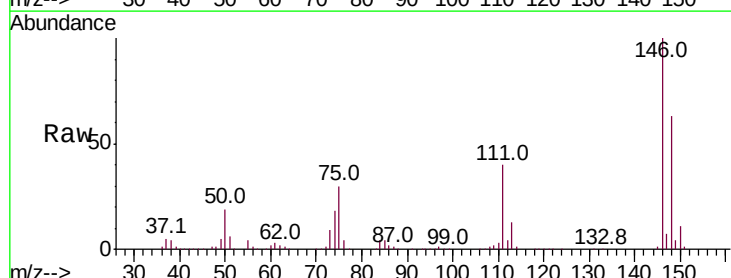
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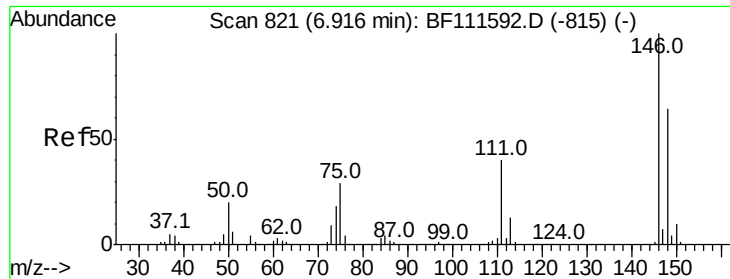
Sohil  
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#12  
1,3-Dichlorobenzene  
Concen: 31.703 ng  
RT: 6.85 min Scan# 809  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 52.1  | 78.1  |
| 75      | 30.0  | 23.9  | 35.9  |





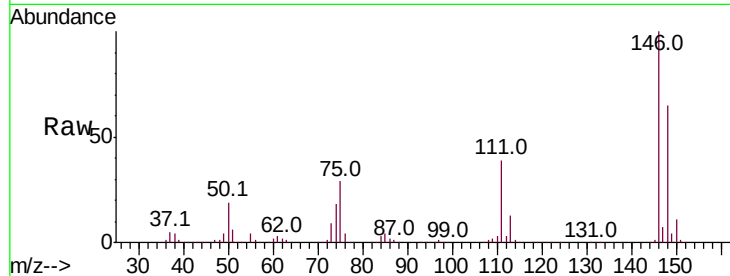
#13  
 1,4-Dichlorobenzene  
 Concen: 31.675 ng  
 RT: 6.92 min Scan# 822  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 52.8  | 79.2  |
| 111     | 39.2  | 33.4  | 50.0  |

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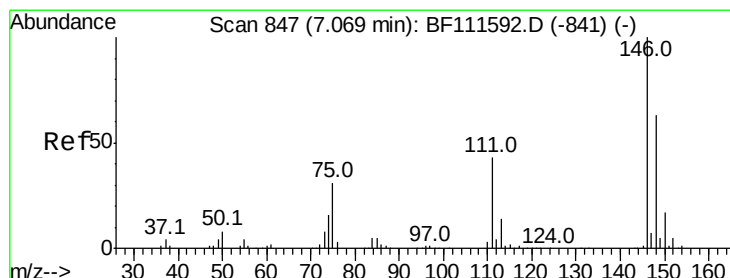
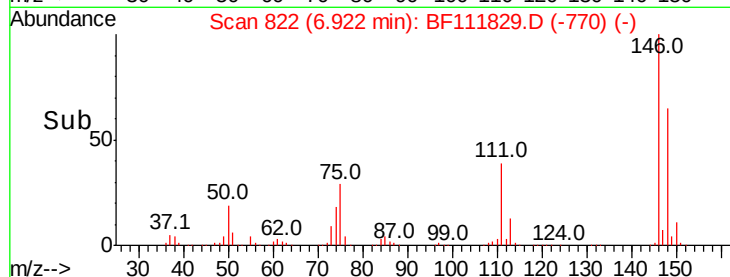
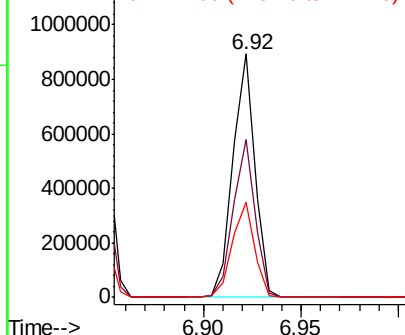


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 32.040 ng  
 RT: 7.07 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

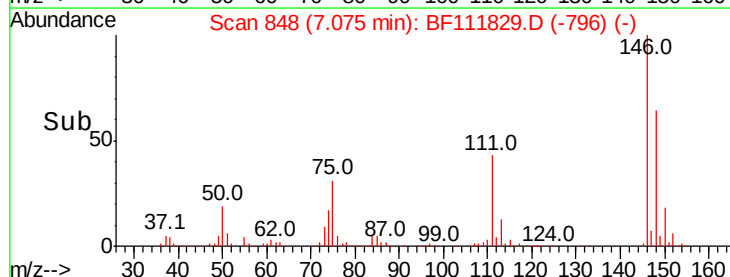
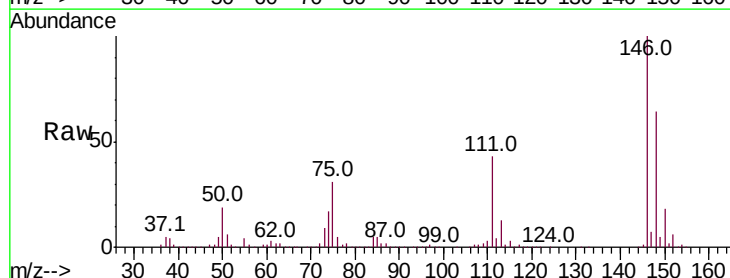
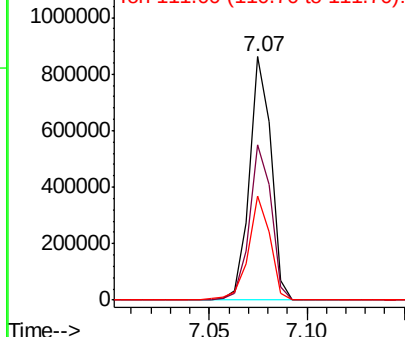
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 51.9  | 77.9  |
| 111     | 42.6  | 36.2  | 54.4  |

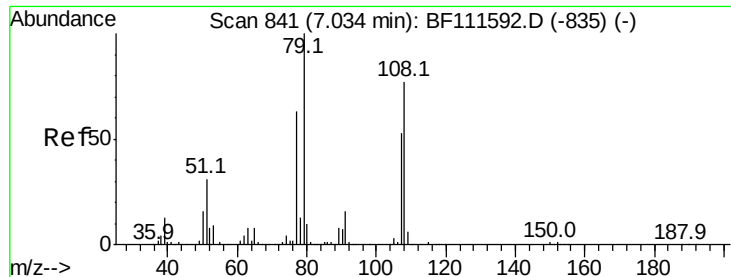
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 32.784 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

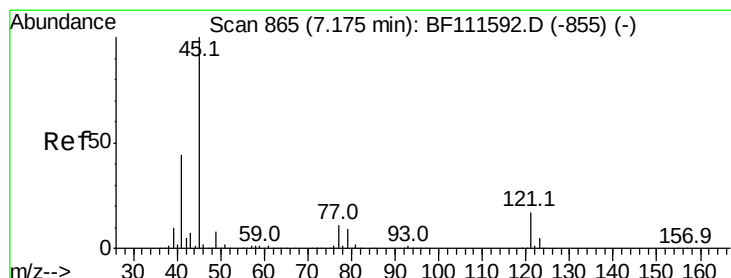
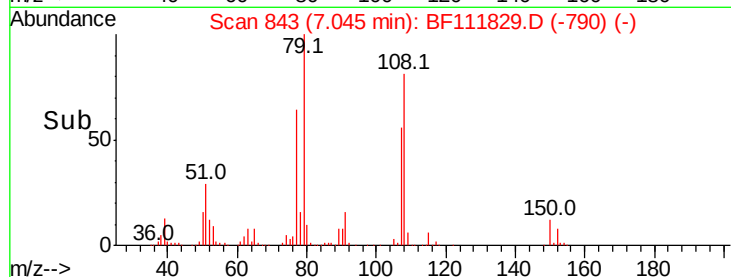
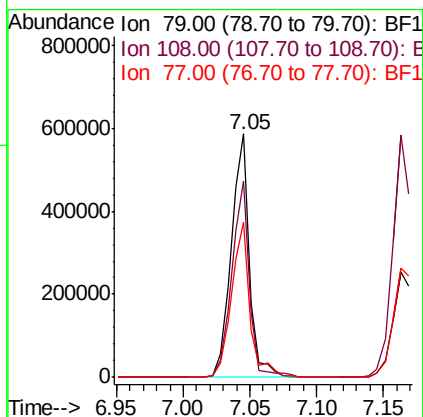
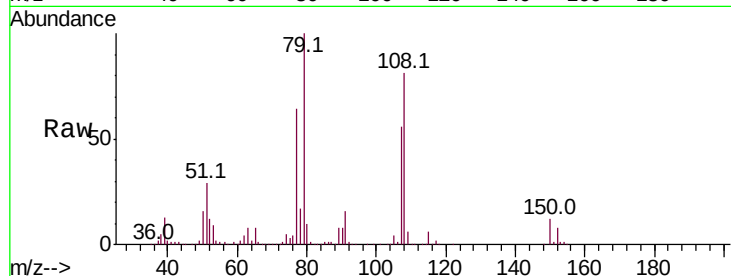
ClientSampled :

TP-5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 563266 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 80.7  | 69.4  | 104.2  |
| 77        | 63.6  | 49.7  | 74.5   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.547 ng

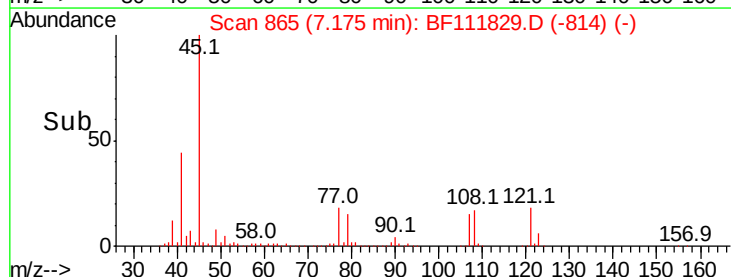
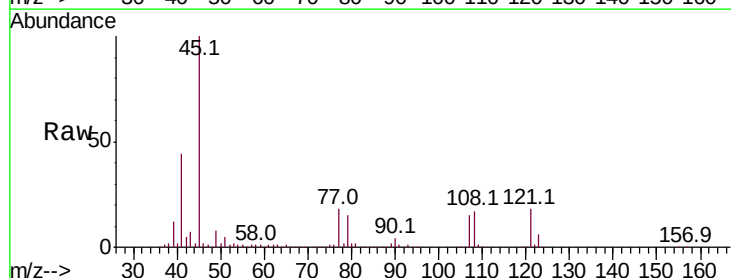
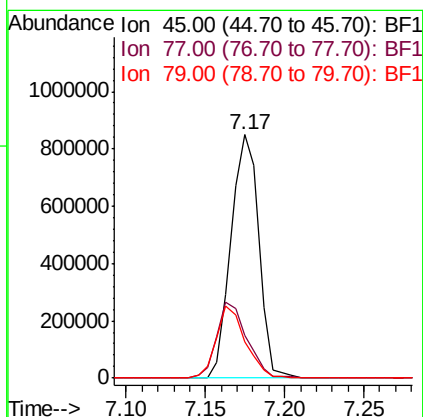
RT: 7.17 min Scan# 865

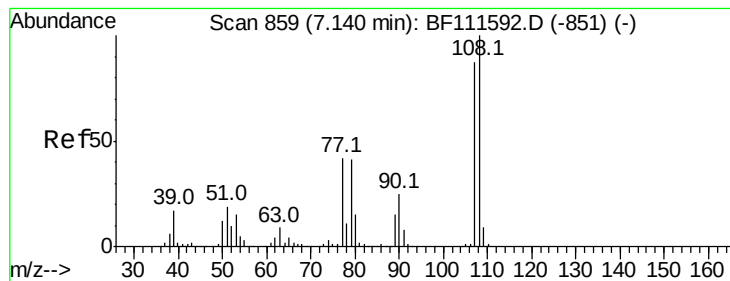
Delta R.T. -0.00 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 45    | Resp: | 1029054 |
| Ion Ratio | Lower | Upper |         |
| 45        | 100   |       |         |
| 77        | 17.6  | 0.0   | 31.5    |
| 79        | 14.8  | 0.0   | 28.9    |





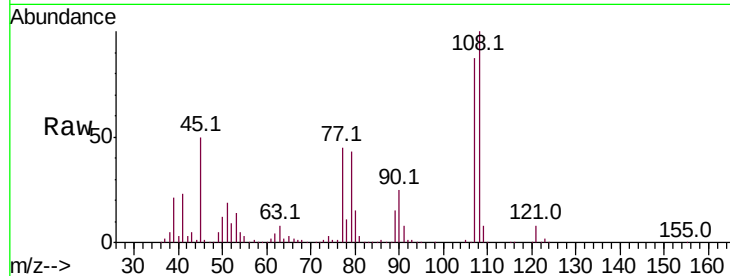
#17  
2-Methylphenol  
Concen: 33.839 ng  
RT: 7.16 min Scan# 863  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 107     | 100   |            |            |
| 108     | 114.6 | 91.0       | 136.4      |
| 77      | 51.8  | 33.5       | 50.3       |
| 79      | 49.6  | 33.3       | 49.9       |

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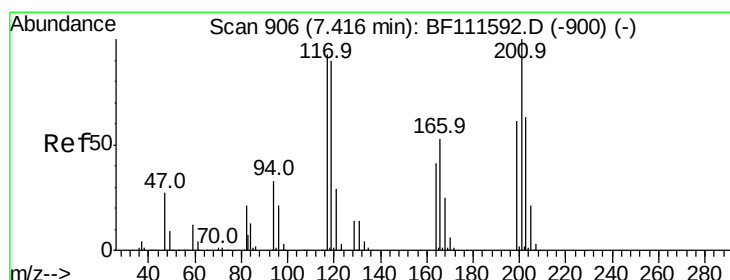
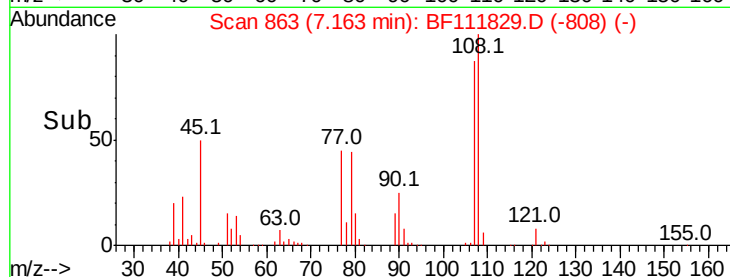
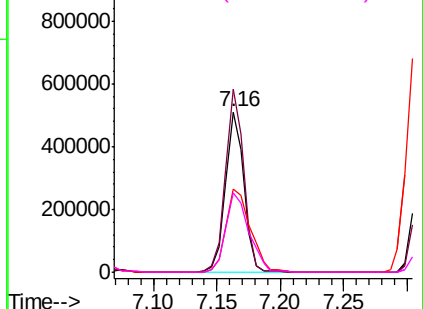
Abundance

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: 31.067 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

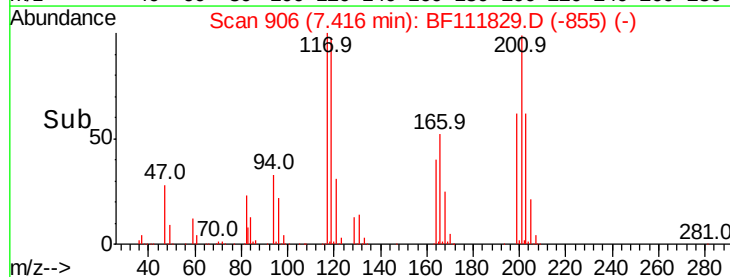
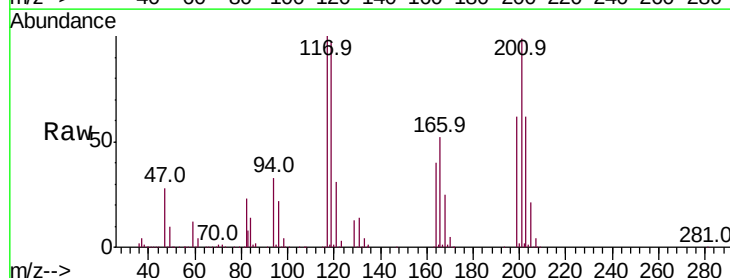
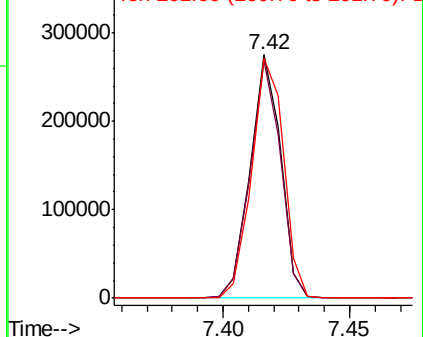
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 119     | 97.4  | 75.4       | 113.0      |
| 201     | 98.5  | 62.4       | 93.6       |

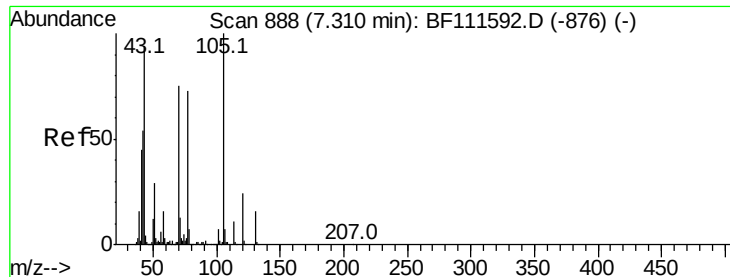
Abundance

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





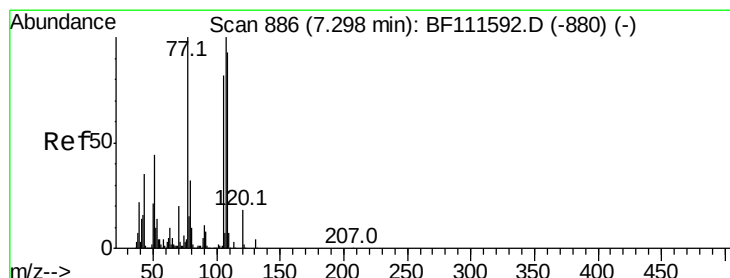
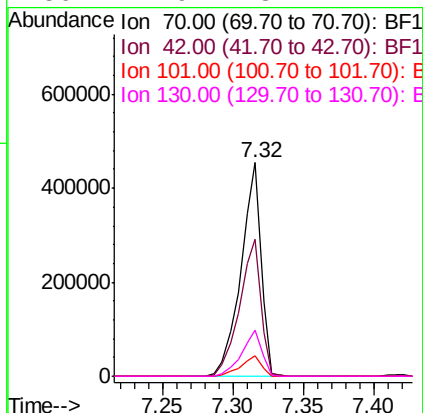
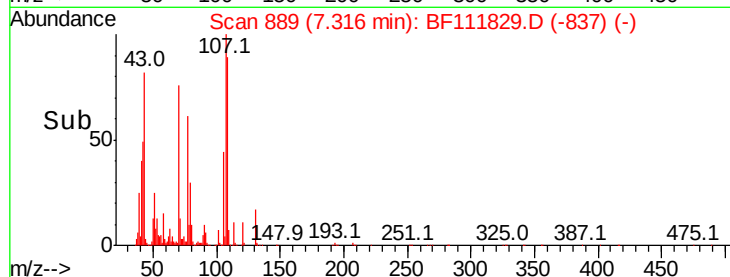
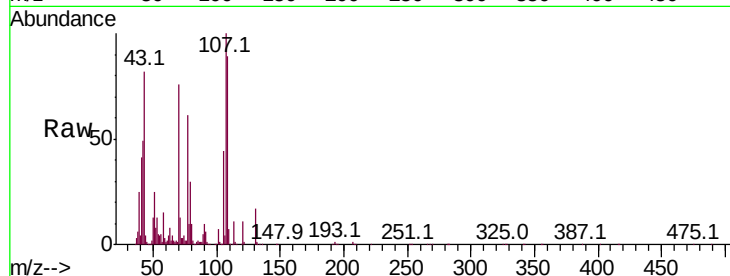
#19  
n-Nitroso-di-n-propylamine  
Concen: 31.506 ng  
RT: 7.32 min Scan# 889  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 64.1  | 53.2  | 79.8  |
| 101     | 9.6   | 8.2   | 12.4  |
| 130     | 21.9  | 18.1  | 27.1  |

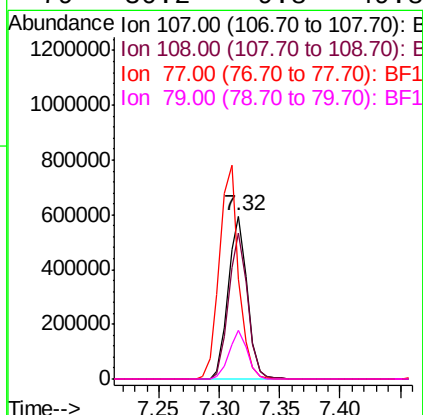
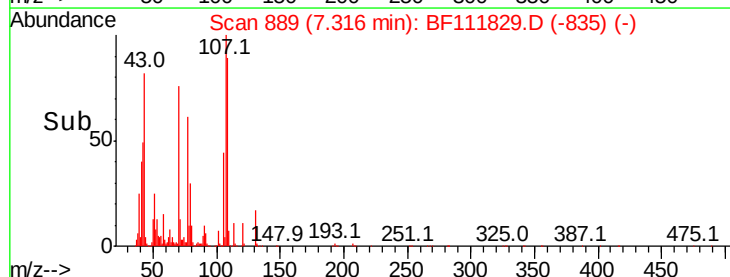
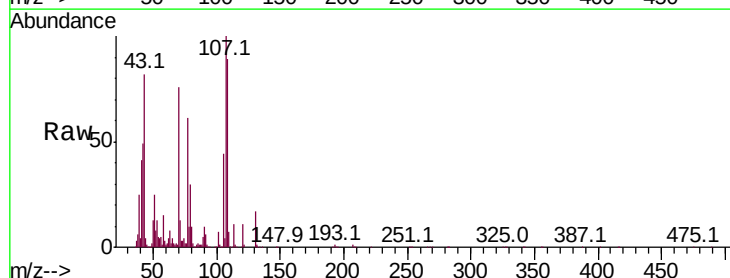
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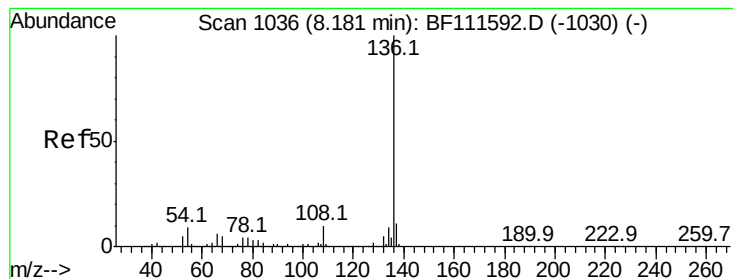
Sohil  
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#20  
3+4-Methylphenols  
Concen: 34.094 ng  
RT: 7.32 min Scan# 889  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 89.5  | 72.1  | 112.1  |
| 77      | 61.4  | 94.1  | 134.1# |
| 79      | 30.2  | 9.8   | 49.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

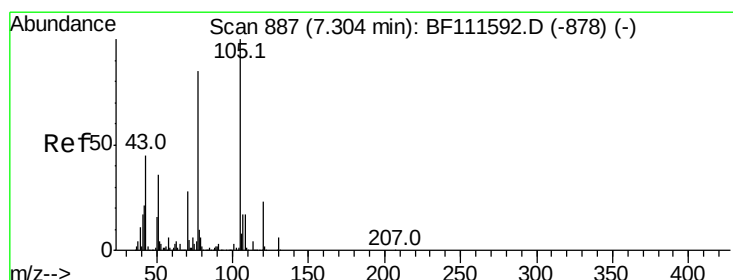
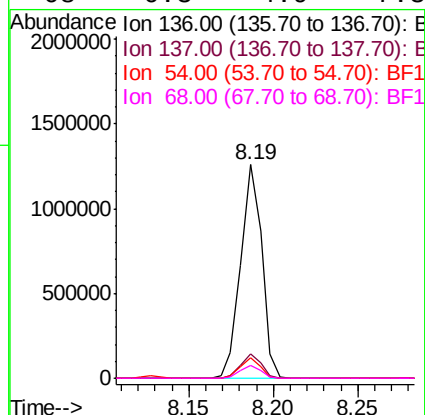
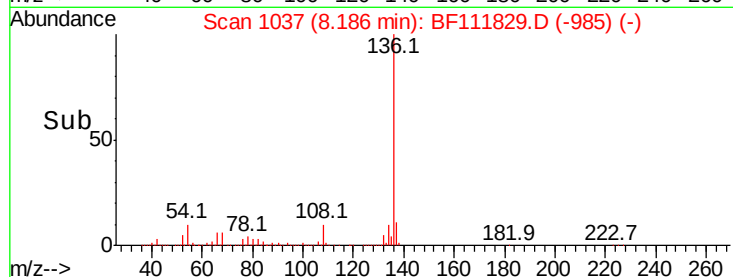
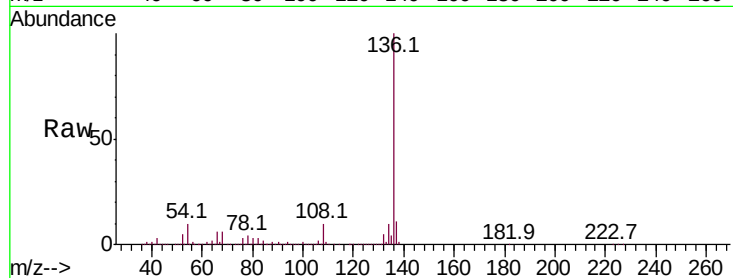
ClientSampleId :

TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.5  | 9.1   | 13.7  |
| 54      | 9.5   | 7.7   | 11.5  |
| 68      | 6.3   | 4.9   | 7.3   |

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#22

Acetophenone

Concen: 30.289 ng

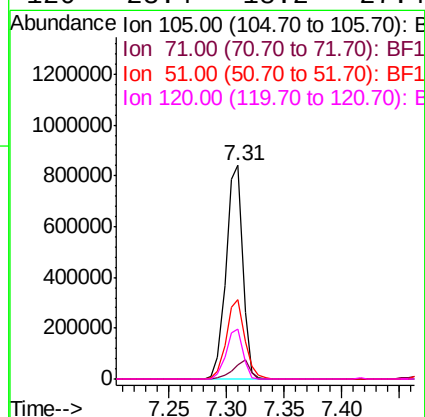
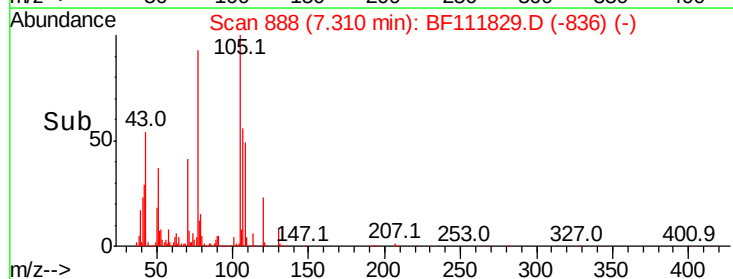
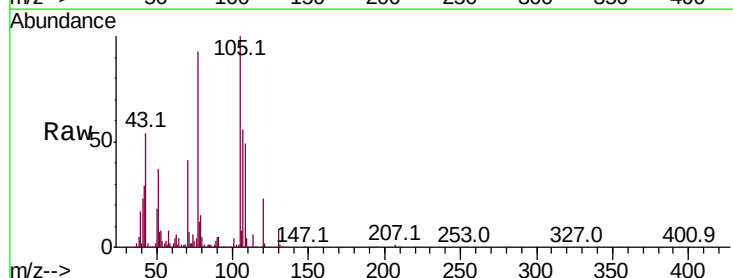
RT: 7.31 min Scan# 888

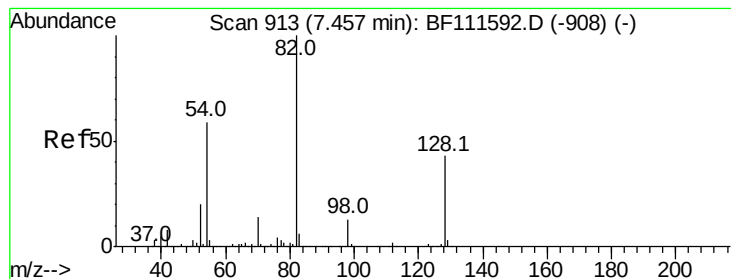
Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 6.8   | 3.1   | 4.7#  |
| 51      | 37.0  | 36.6  | 54.8  |
| 120     | 23.4  | 18.2  | 27.4  |





#23

Nitrobenzene-d5

Concen: 81.591 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampled :

TP-5MSD

Tot Ion: 82 Resp: 1545985

Ion Ratio Lower Upper

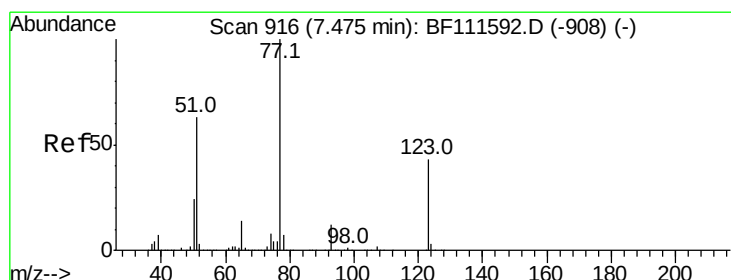
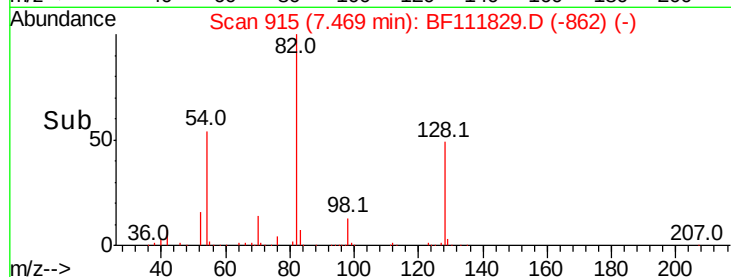
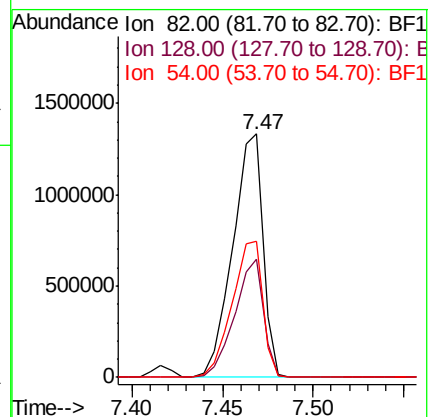
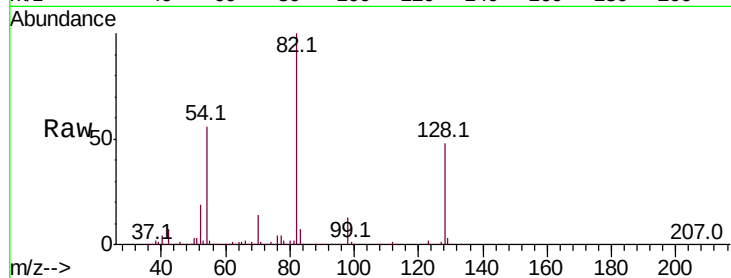
82 100

128 48.5 37.4 56.2

54 55.7 47.6 71.4

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#24

Nitrobenzene

Concen: 33.860 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

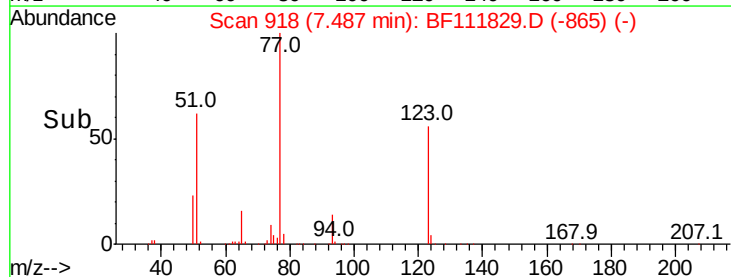
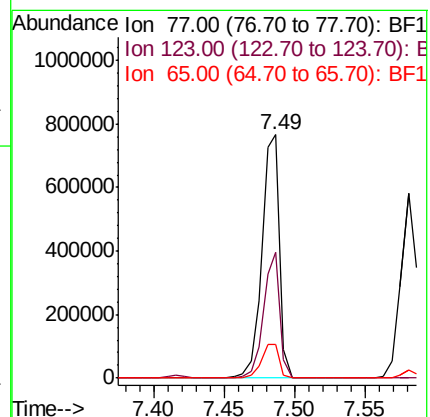
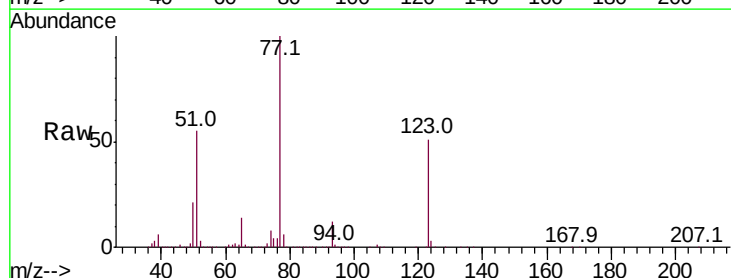
Tgt Ion: 77 Resp: 672426

Ion Ratio Lower Upper

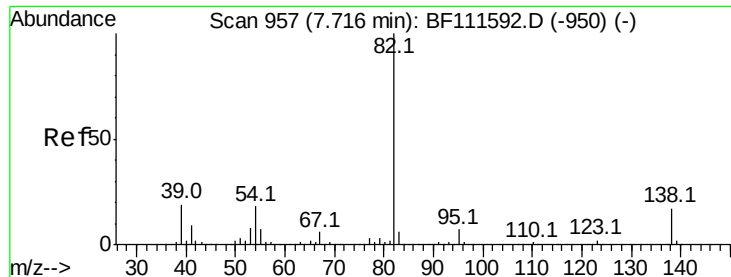
77 100

123 51.5 37.2 55.8

65 13.6 11.5 17.3







#25

Isophorone

Concen: 35.818 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampleId :

TP-5MSD

Tot Ion: 82 Resp: 1204838

Ion Ratio Lower Upper

82 100

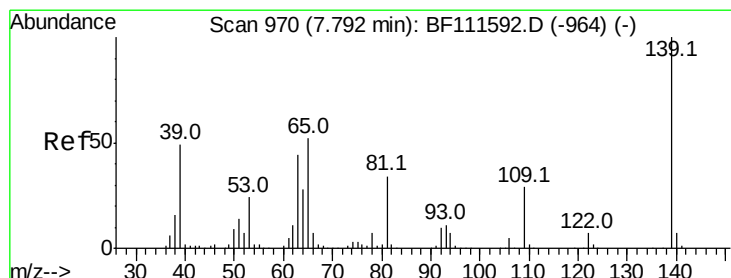
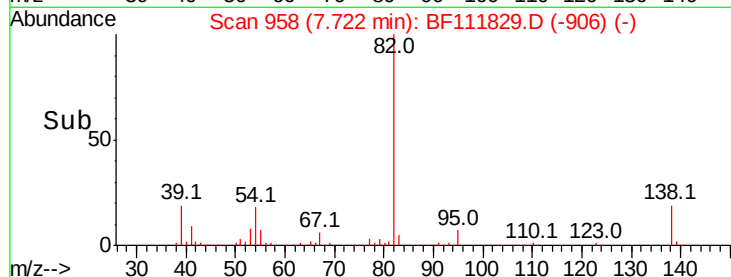
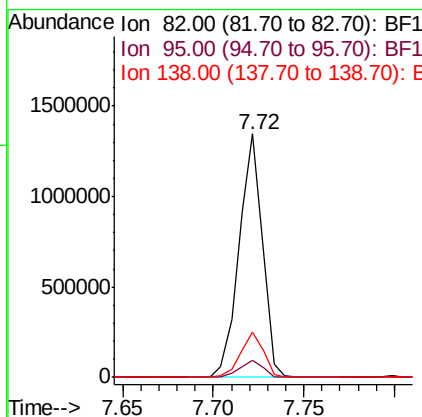
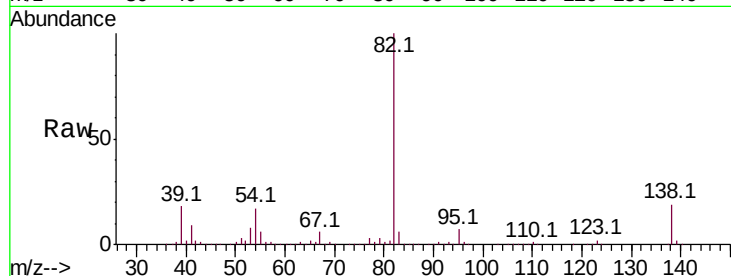
95 7.0 5.4 8.2

138 18.5 15.1 22.7

Manual Integrations  
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#26

2-Nitrophenol

Concen: 41.917 ng

RT: 7.80 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

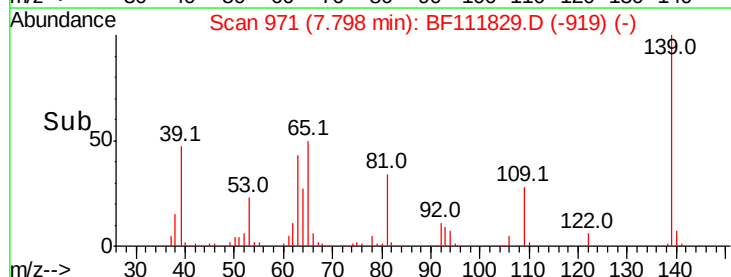
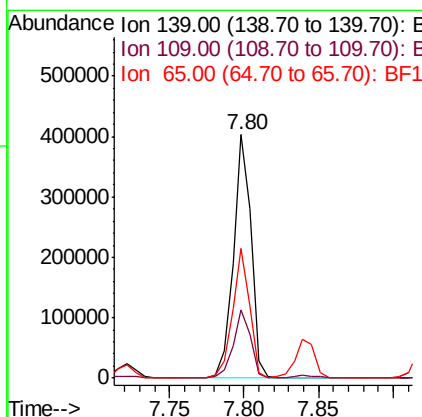
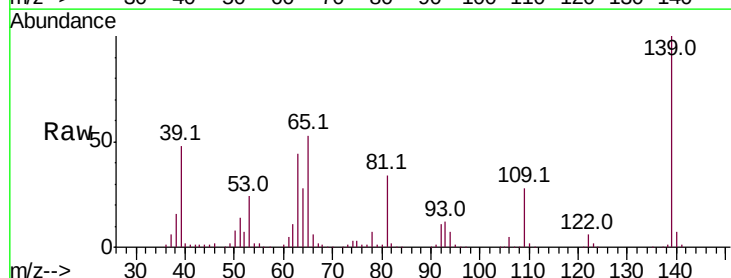
Tgt Ion: 139 Resp: 337613

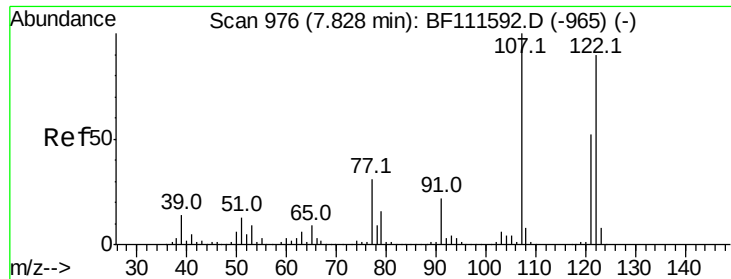
Ion Ratio Lower Upper

139 100

109 28.0 20.2 30.4

65 53.1 40.7 61.1





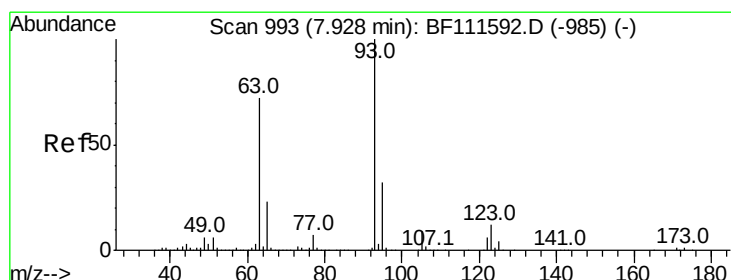
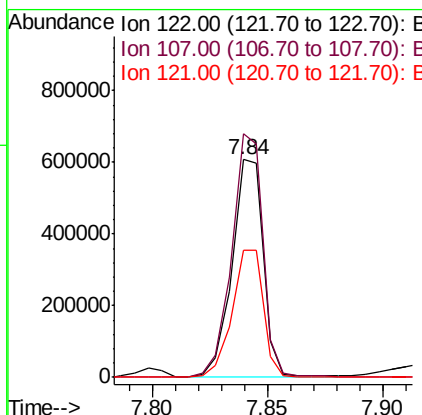
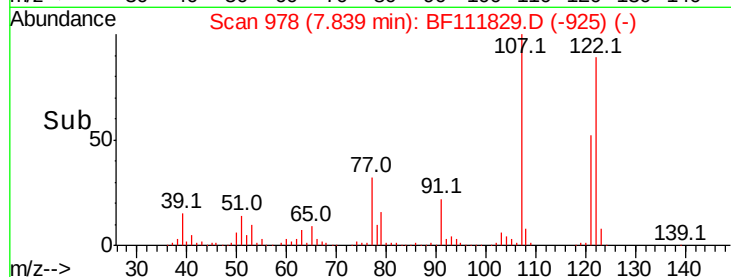
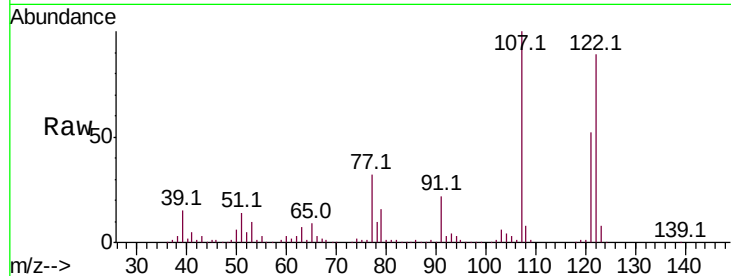
#27  
2,4-Dimethylphenol  
Concen: 36.158 ng  
RT: 7.84 min Scan# 978  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 112.0 | 85.5  | 128.3 |
| 121     | 58.2  | 46.6  | 70.0  |

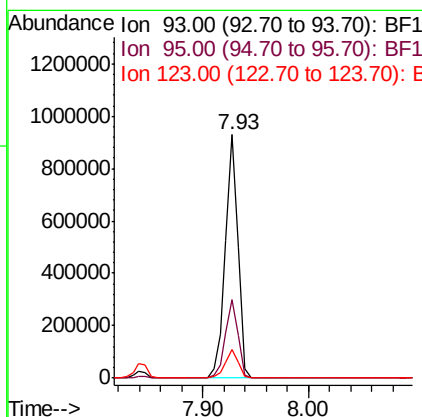
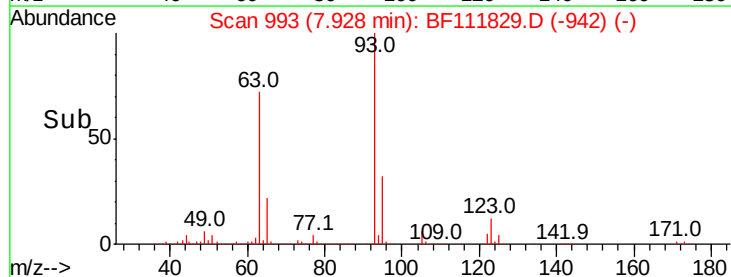
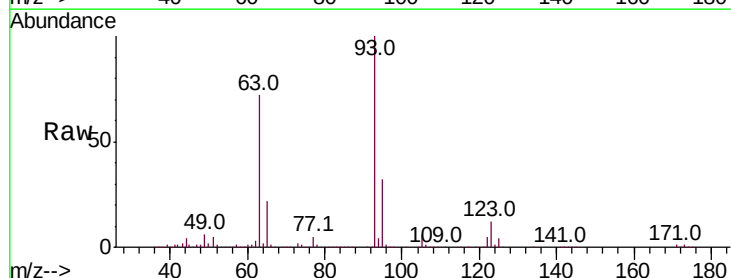
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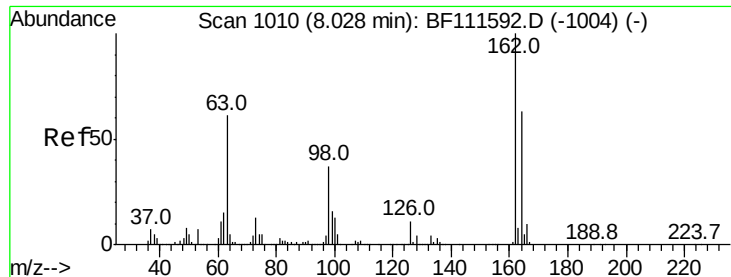
Sohil  
1/4/2019 9:56:44 AM



#28  
bis(2-Chloroethoxy)methane  
Concen: 34.887 ng  
RT: 7.93 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 27.1  | 40.7  |
| 123     | 12.0  | 9.9   | 14.9  |





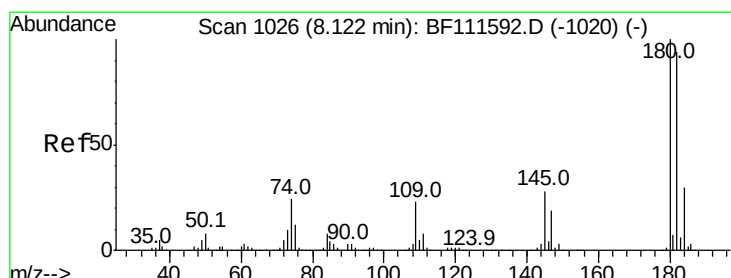
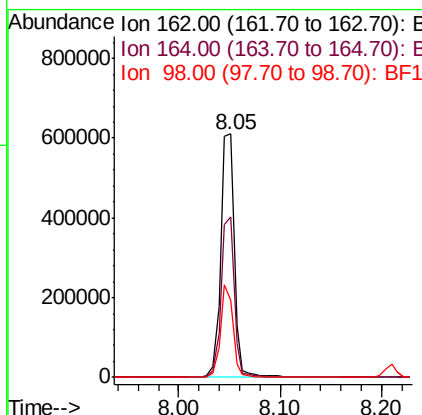
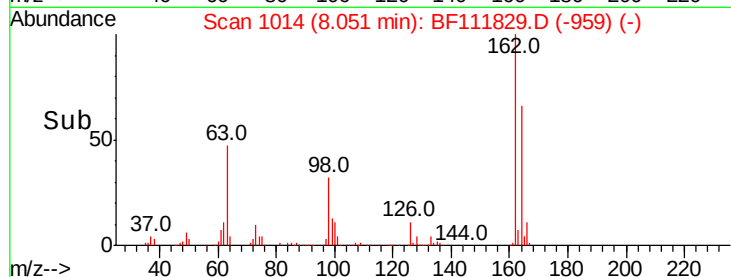
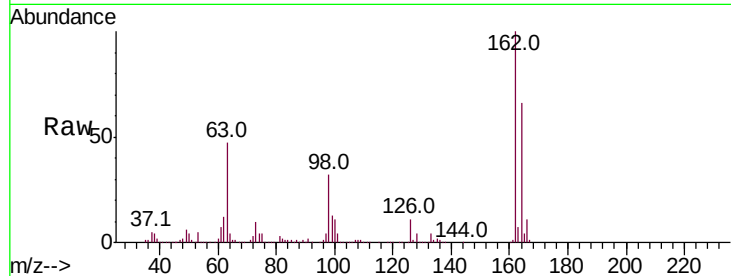
#29  
 2,4-Dichlorophenol  
 Concen: 33.355 ng  
 RT: 8.05 min Scan# 1014  
 Delta R.T. 0.02 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 569623 |       |       |
| 164     | 65.8  | 44.4   | 84.4  |       |
| 98      | 31.9  | 20.3   | 60.3  |       |

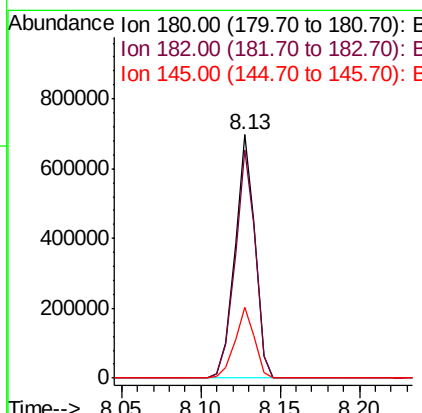
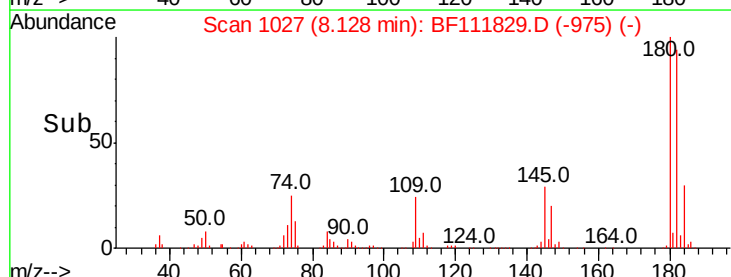
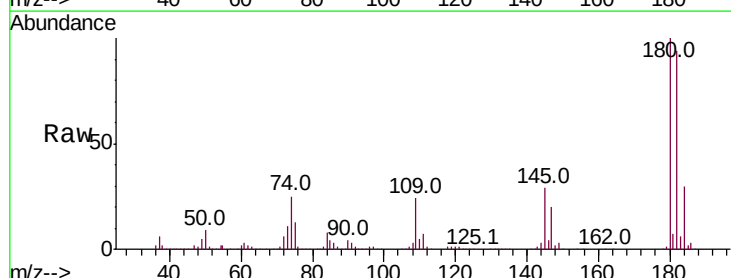
Manual Integrations  
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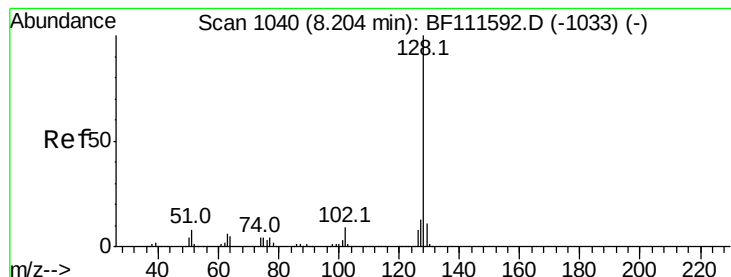
Sohil  
 1/4/2019 9:56:44 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 31.891 ng  
 RT: 8.13 min Scan# 1027  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 606883 |       |       |
| 182     | 94.0  | 75.6   | 113.4 |       |
| 145     | 29.2  | 26.7   | 40.1  |       |





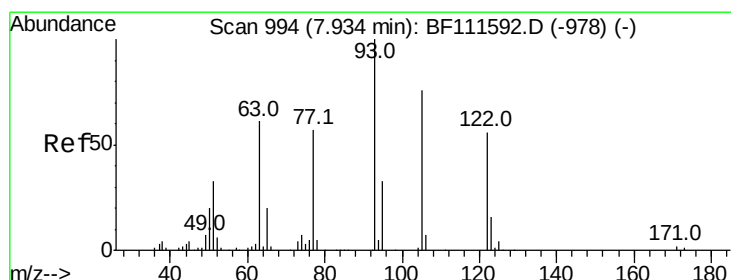
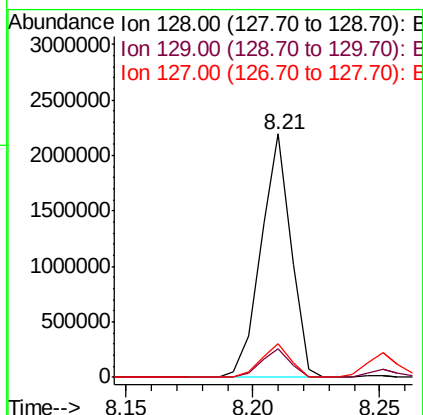
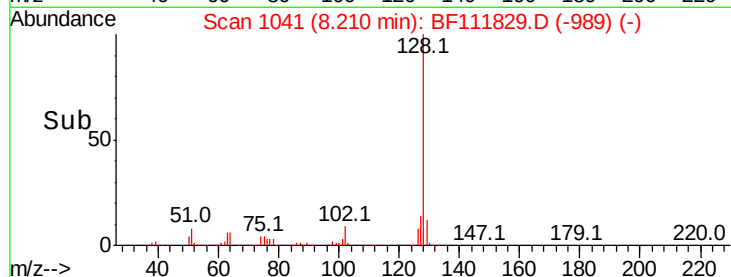
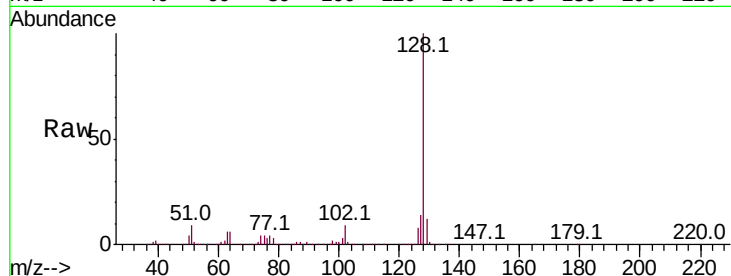
#31  
Naphthalene  
Concen: 33.969 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

Tot Ion:128 Resp: 1800152  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.8 14.8  
127 13.9 12.0 18.0

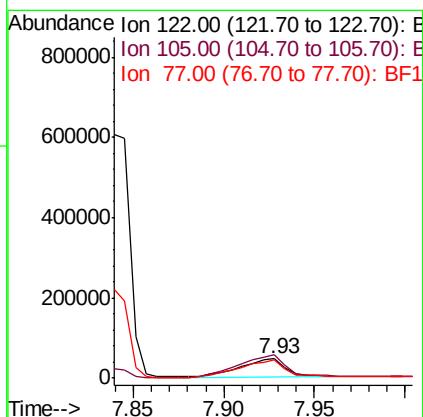
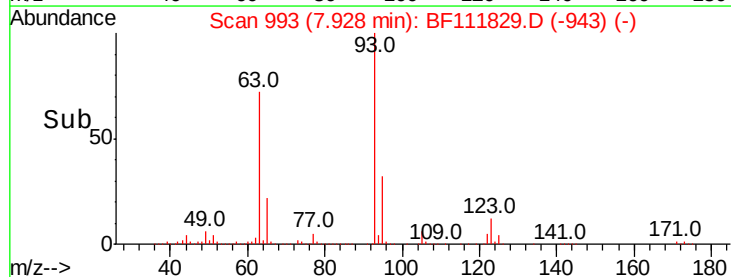
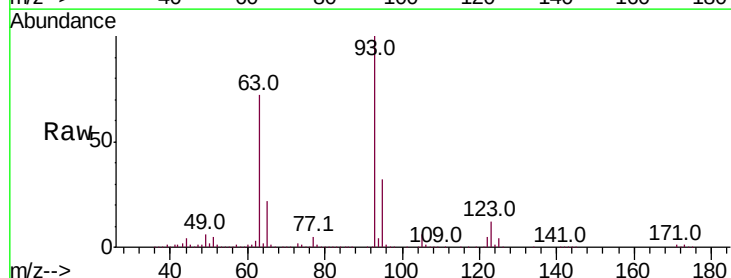
Manual Integrations  
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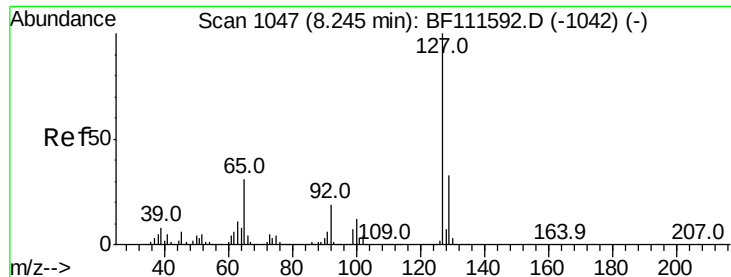
Sohil  
1/4/2019 9:56:44 AM



#32  
Benzoic acid  
Concen: 7.669 ng  
RT: 7.93 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Tgt Ion:122 Resp: 80508  
Ion Ratio Lower Upper  
122 100  
105 121.5 97.0 137.0  
77 94.3 65.7 105.7





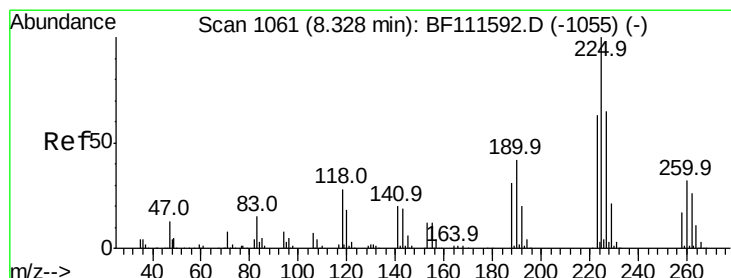
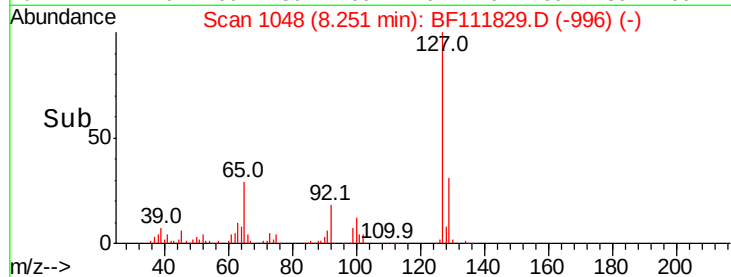
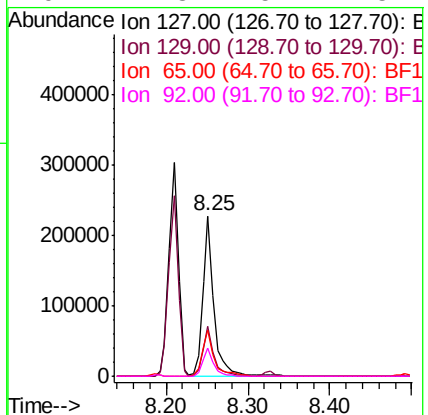
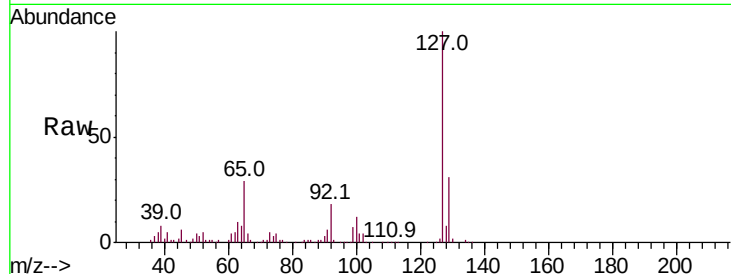
#33  
4-Chloroaniline  
Concen: 9.517 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 31.3  | 26.6 | 39.8  |       |
| 65      | 29.0  | 25.7 | 38.5  |       |
| 92      | 17.8  | 15.4 | 23.2  |       |

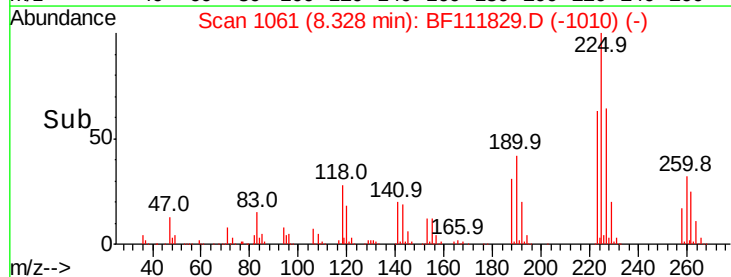
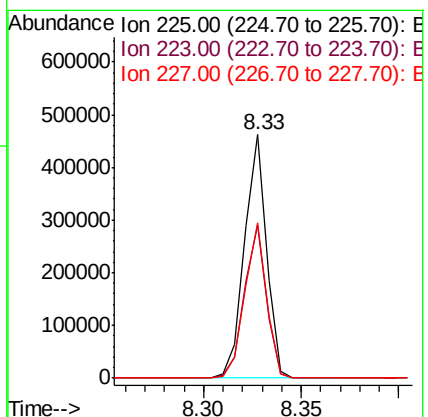
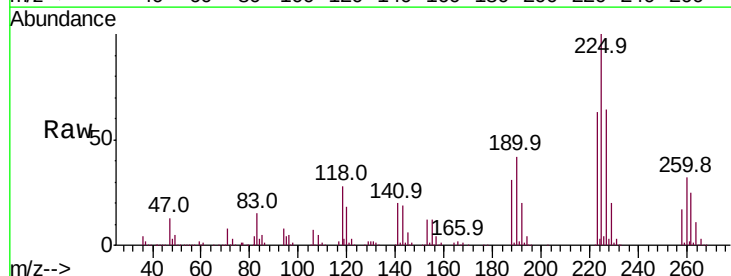
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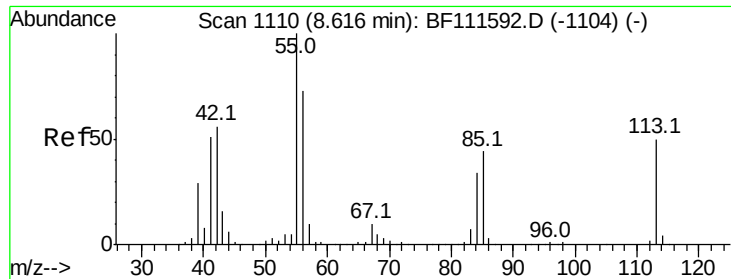
Sohil  
1/4/2019 9:56:44 AM



#34  
Hexachlorobutadiene  
Concen: 31.164 ng  
RT: 8.33 min Scan# 1061  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.0  | 50.7 | 76.1  |       |
| 227     | 63.9  | 52.6 | 78.8  |       |





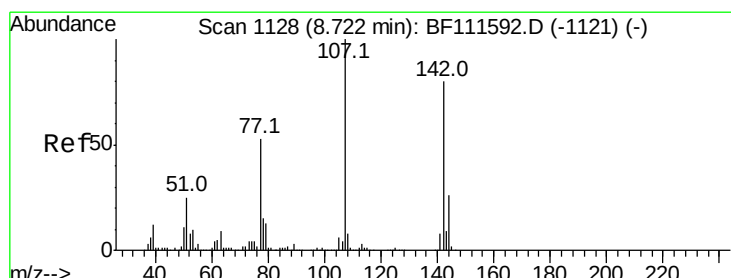
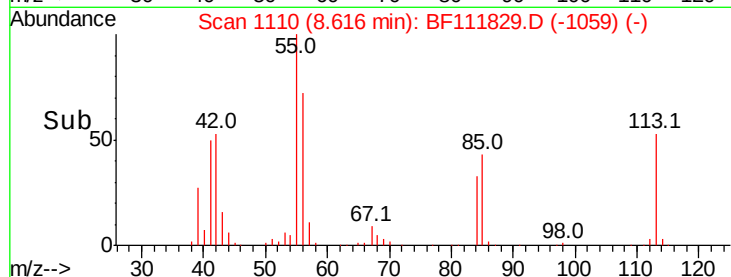
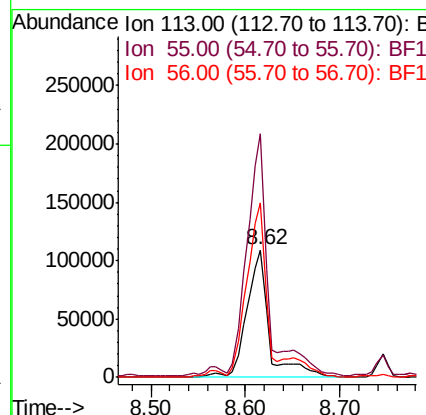
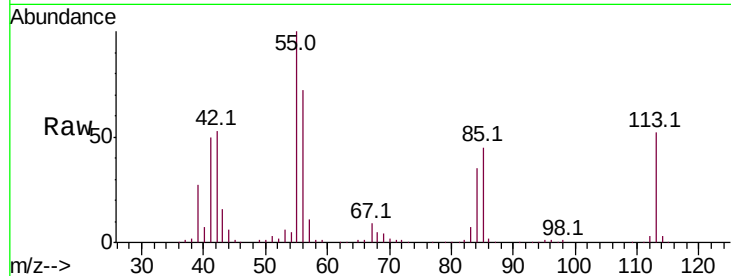
#35  
Caprolactam  
Concen: 30.647 ng/ml  
RT: 8.62 min Scan# 1110  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 190.9 | 184.1 | 224.1 |
| 56      | 136.9 | 126.0 | 166.0 |

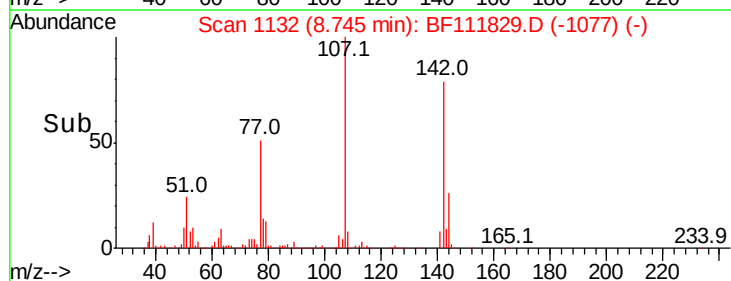
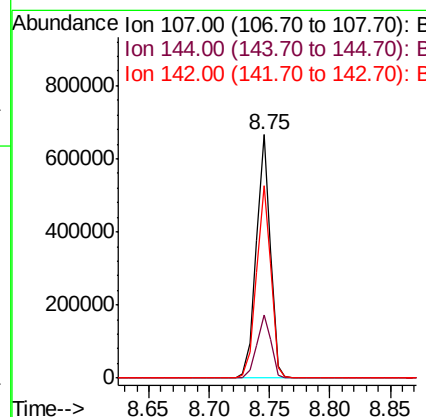
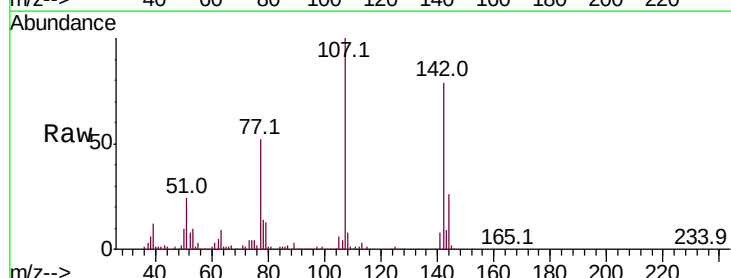
Manual Integrations  
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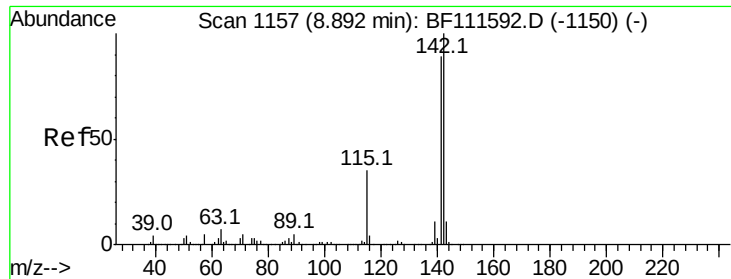
Sohil  
1/4/2019 9:56:44 AM



#36  
4-Chloro-3-methylphenol  
Concen: 32.566 ng/ml  
RT: 8.75 min Scan# 1132  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.9  | 19.8  | 29.6  |
| 142     | 79.0  | 62.3  | 93.5  |





#37

2-Methylnaphthalene

Concen: 35.647 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF111829.D

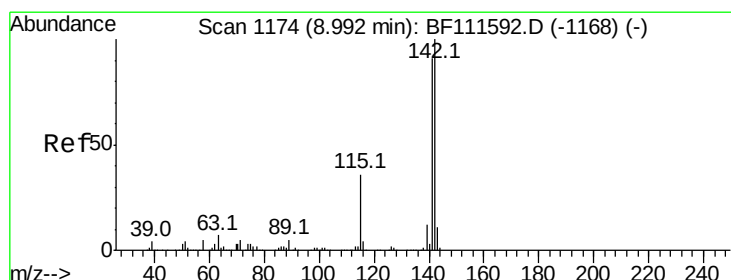
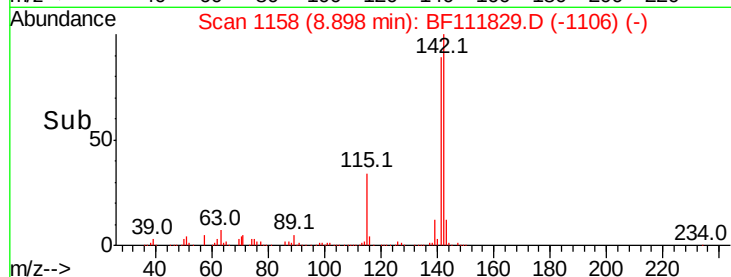
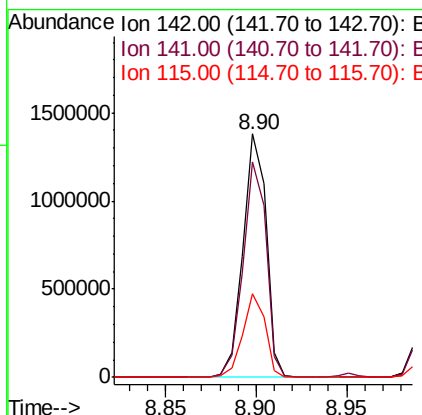
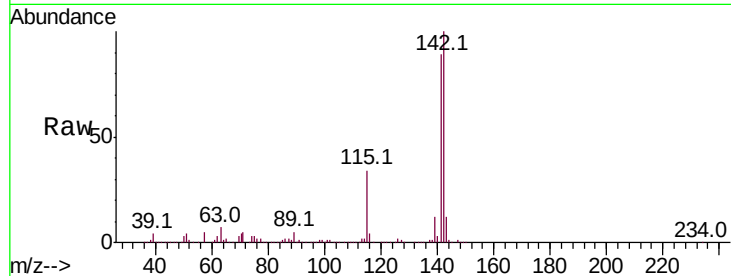
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 70.6  | 105.8 |
| 115     | 34.3  | 27.0  | 40.6  |

Manual Integrations  
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#38

1-Methylnaphthalene

Concen: 34.871 ng

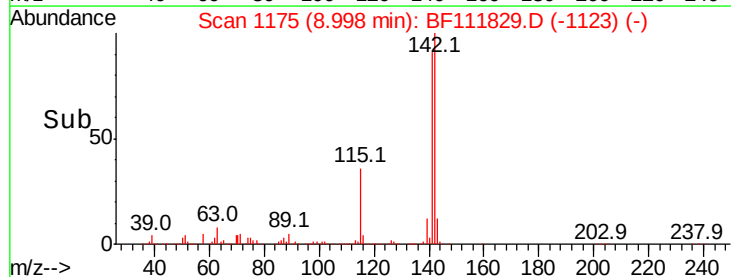
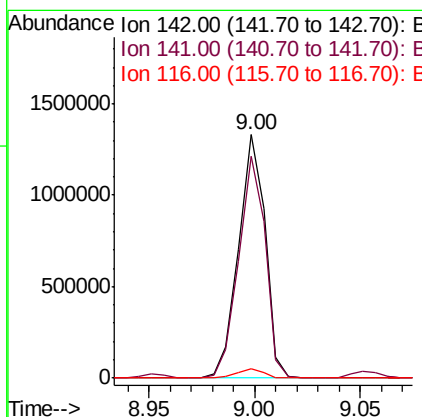
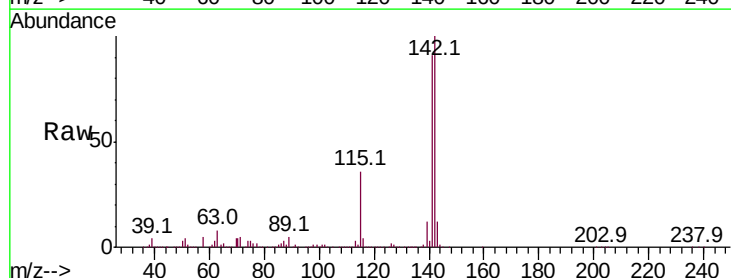
RT: 9.00 min Scan# 1175

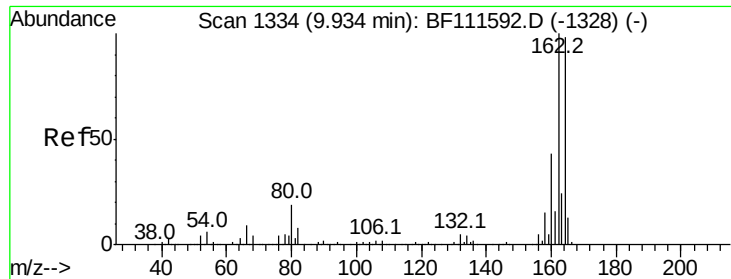
Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.2  | 74.2  | 111.4 |
| 116     | 3.7   | 2.9   | 4.3   |





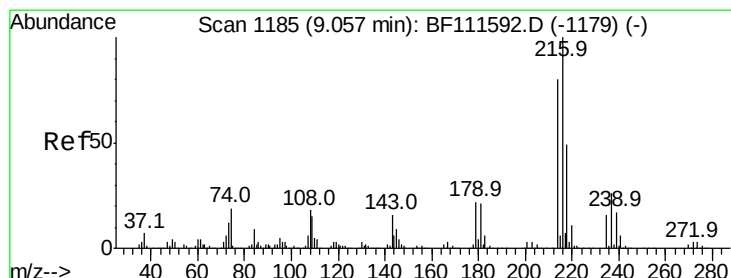
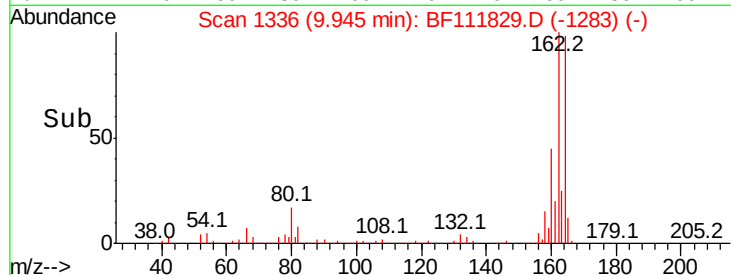
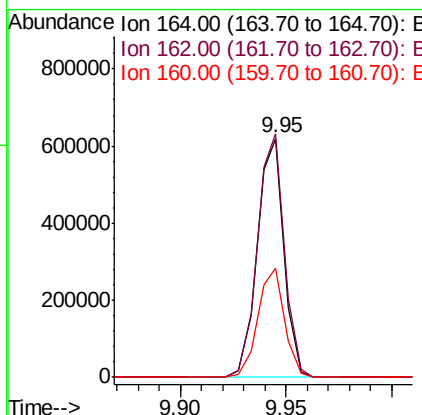
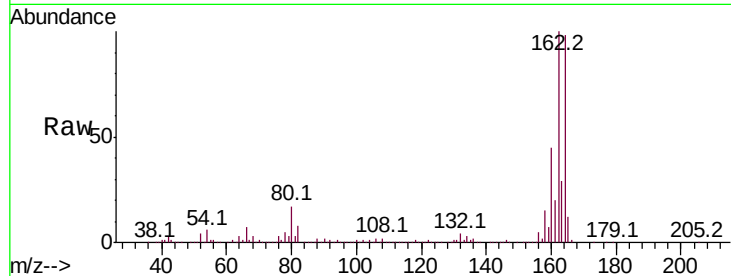
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 543379 |       |       |
| 162     | 101.9 | 81.4   | 122.0 |       |
| 160     | 45.5  | 35.7   | 53.5  |       |

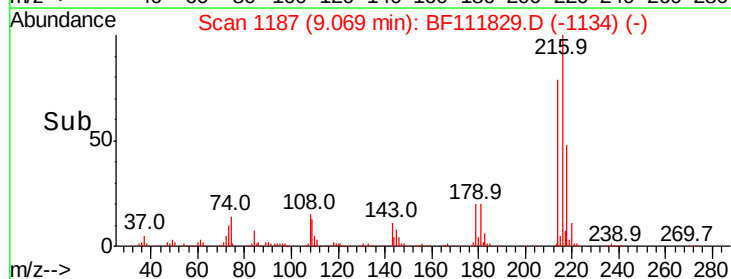
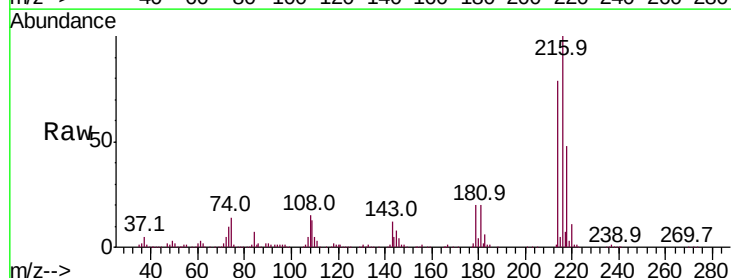
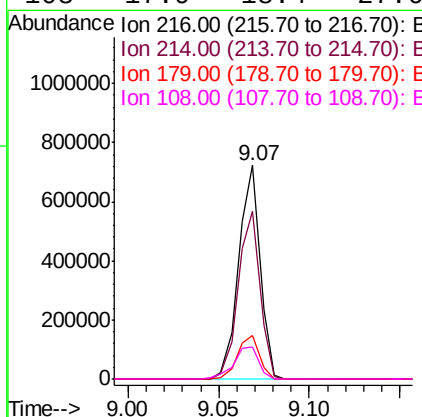
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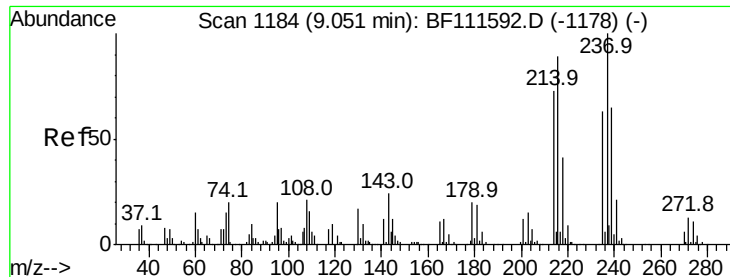


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 33.314 ng  
RT: 9.07 min Scan# 1187  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 594837 |       |       |
| 214     | 80.0  | 63.8   | 95.8  |       |
| 179     | 20.9  | 17.9   | 26.9  |       |
| 108     | 17.9  | 18.4   | 27.6# |       |







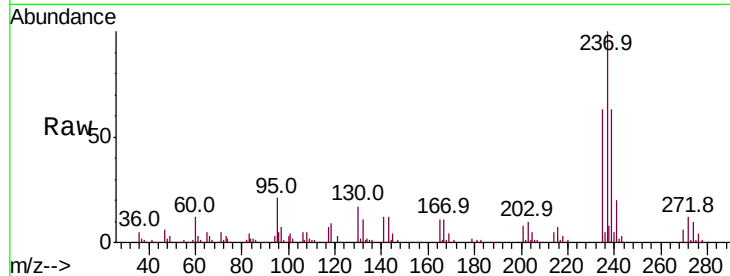
#41  
Hexachlorocyclopentadiene  
Concen: 38.380 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

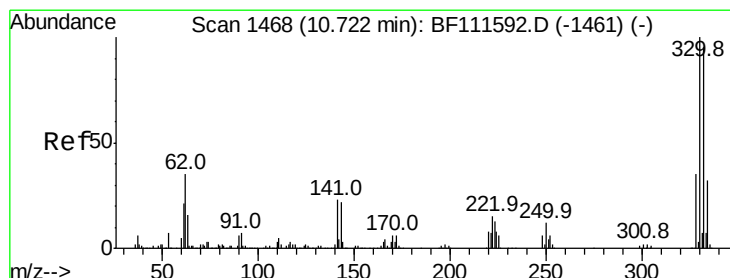
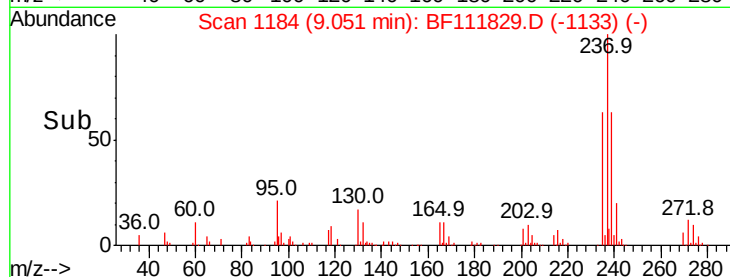
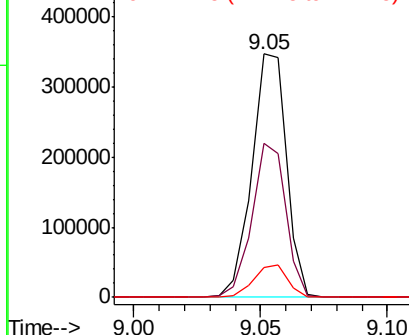
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 332546 |       |       |
| 235     | 63.4  |        | 43.1  | 83.1  |
| 272     | 12.2  |        | 0.0   | 33.0  |

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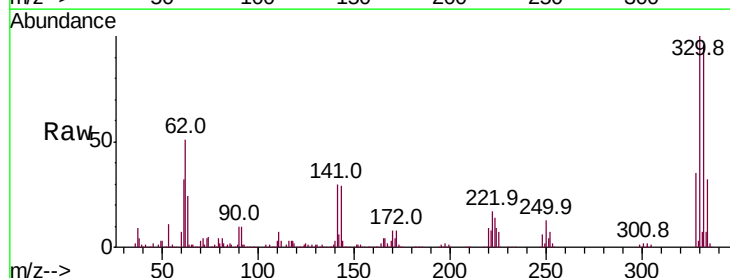


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

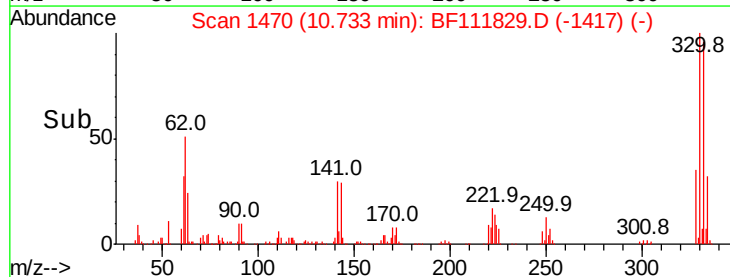
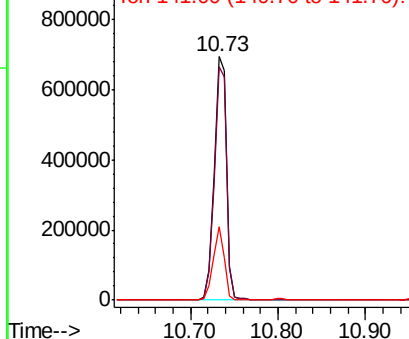


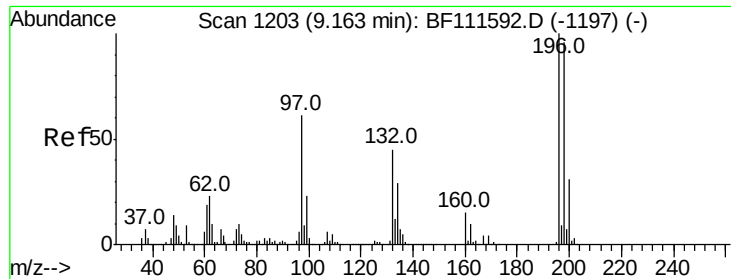
#42  
2,4,6-Tribromophenol  
Concen: 105.780 ng  
RT: 10.73 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 679152 |       |       |
| 332     | 96.0  |        | 76.0  | 114.0 |
| 141     | 27.2  |        | 31.0  | 46.6# |



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





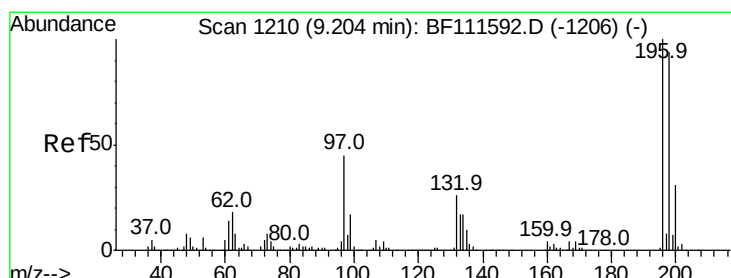
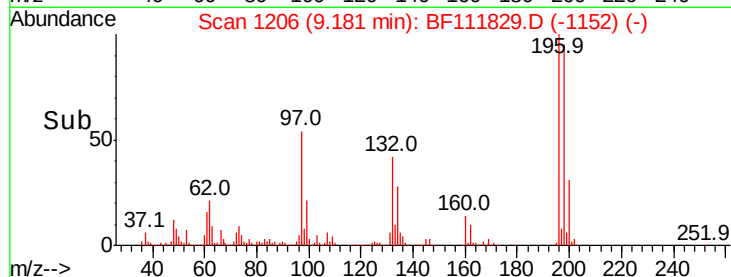
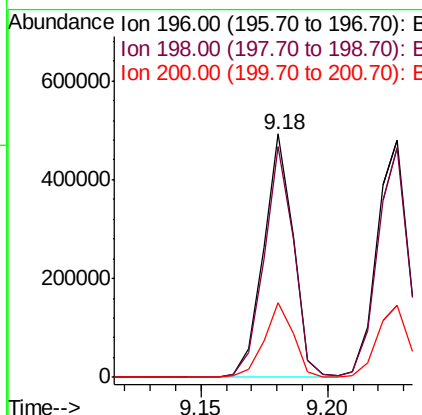
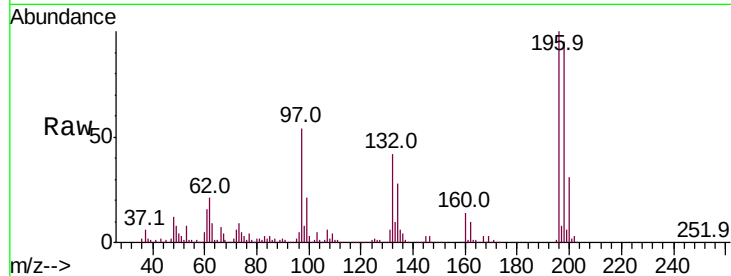
#43  
 2,4,6-Trichlorophenol  
 Concen: 34.046 ng  
 RT: 9.18 min Scan# 1206  
 Delta R.T. 0.02 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 405867 |       |       |
| 198     | 94.6  | 76.3   | 114.5 |       |
| 200     | 30.6  | 24.9   | 37.3  |       |

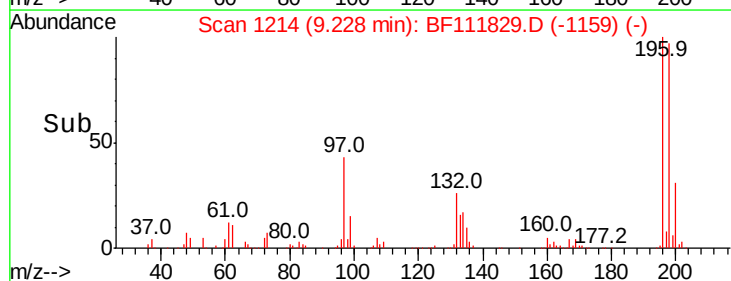
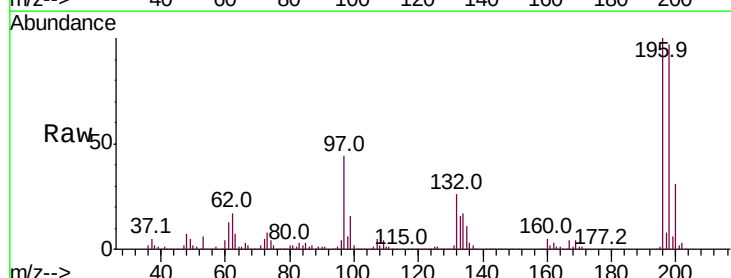
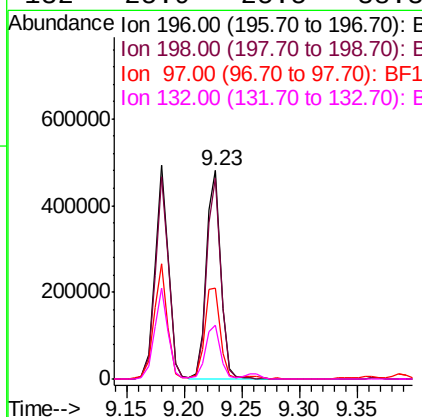
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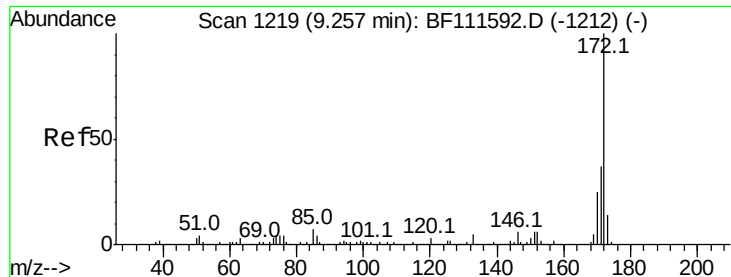
Sohil  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 34.386 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. 0.02 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 420537 |       |       |
| 198     | 96.5  | 72.9   | 109.3 |       |
| 97      | 43.5  | 45.3   | 67.9# |       |
| 132     | 25.9  | 25.5   | 38.3  |       |





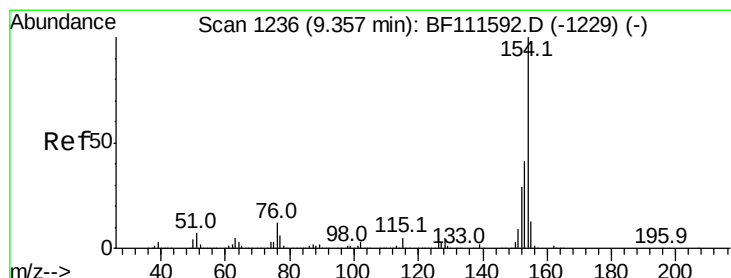
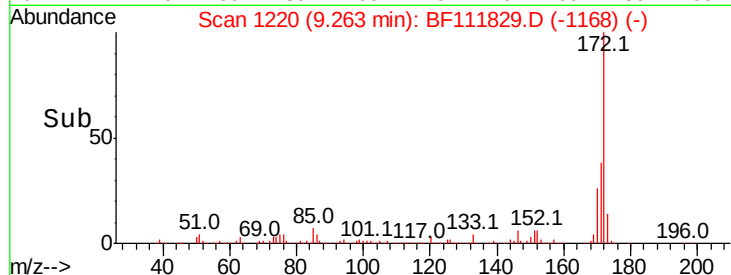
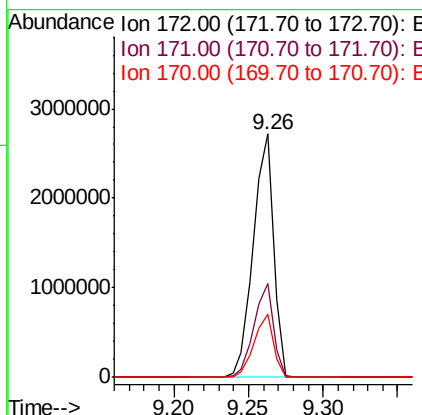
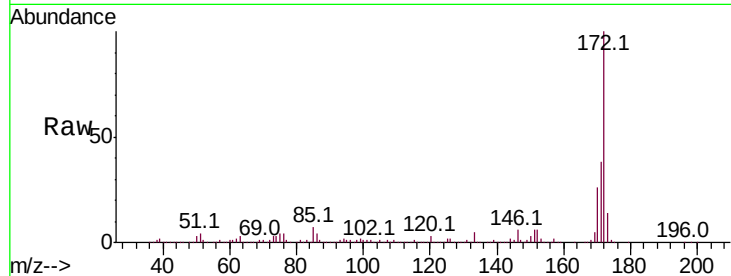
#45  
2-Fluorobiphenyl  
Concen: 68.246 ng  
RT: 9.26 min Scan# 1220  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.5  | 33.0  | 49.4  |
| 170     | 25.8  | 22.3  | 33.5  |

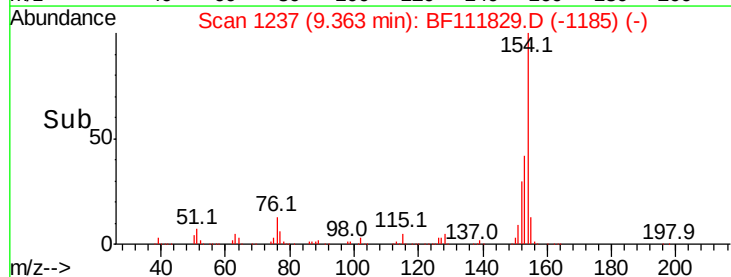
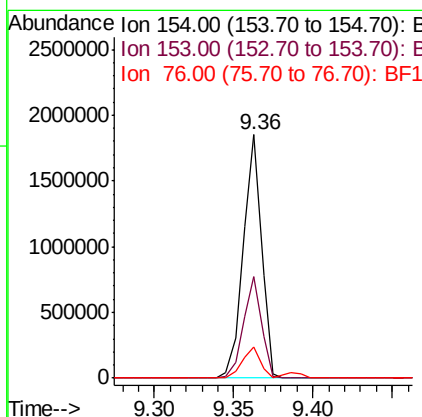
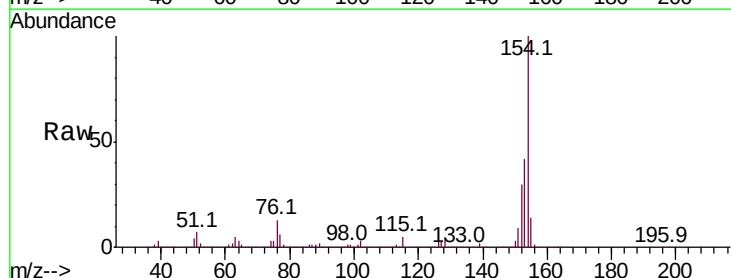
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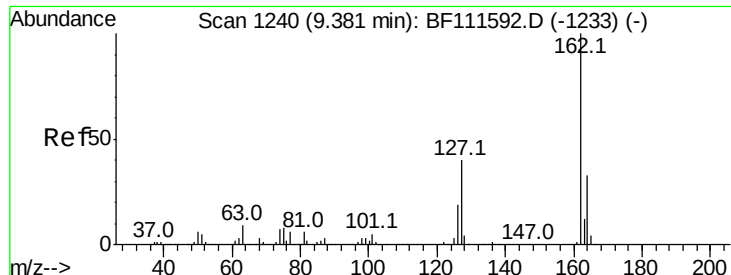
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#46  
1,1'-Biphenyl  
Concen: 32.219 ng  
RT: 9.36 min Scan# 1237  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 23.7  | 63.7  |
| 76      | 12.6  | 0.0   | 35.0  |





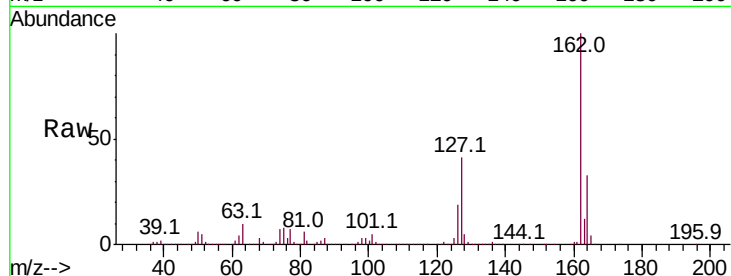
#47  
 2-Chloronaphthalene  
 Concen: 31.391 ng  
 RT: 9.39 min Scan# 1241  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

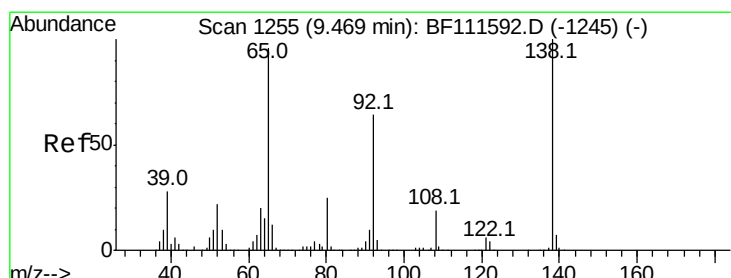
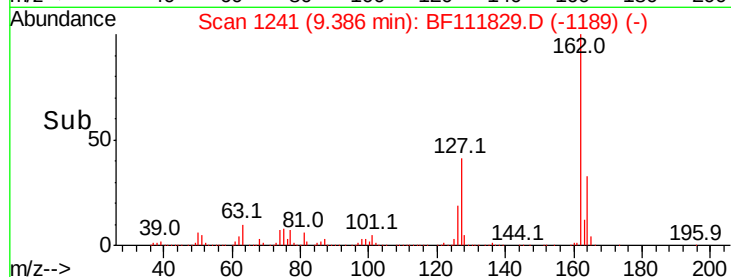
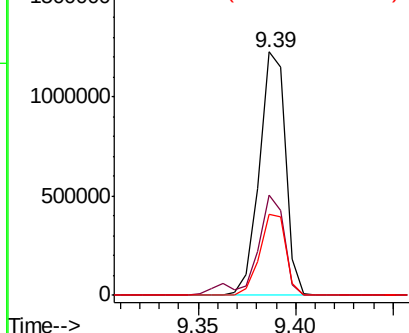
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 162   | Resp: | 1140810 |
| Ion      | Ratio | Lower | Upper   |
| 162      | 100   |       |         |
| 127      | 41.3  | 35.0  | 52.4    |
| 164      | 33.4  | 28.4  | 42.6    |

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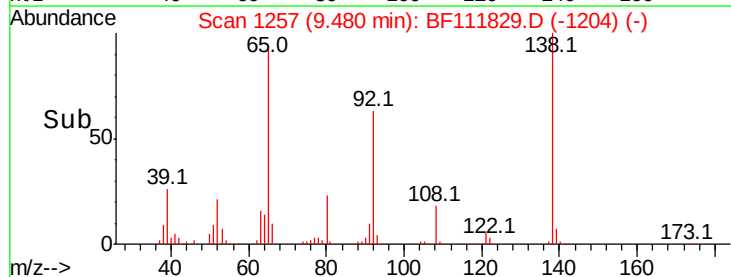
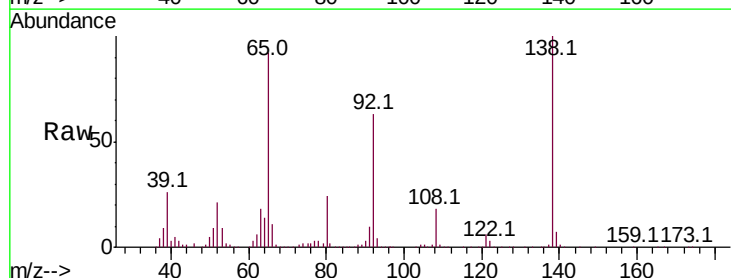
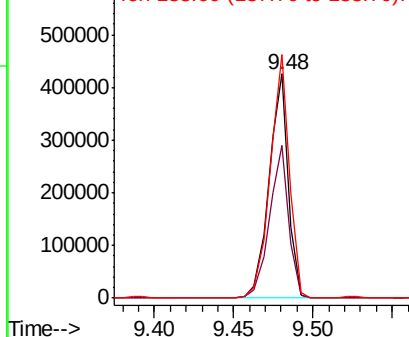
Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

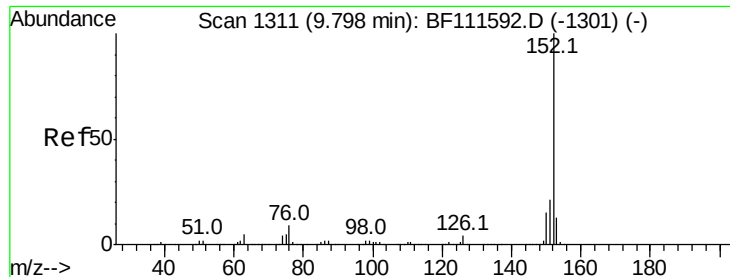


#48  
 2-Nitroaniline  
 Concen: 38.393 ng  
 RT: 9.48 min Scan# 1257  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 362978 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 68.1  | 53.5  | 80.3   |
| 138      | 108.6 | 80.9  | 121.3  |

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: 33.589 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampled :

TP-5MSD

Tot Ion:152 Resp: 1782254

Ion Ratio Lower Upper

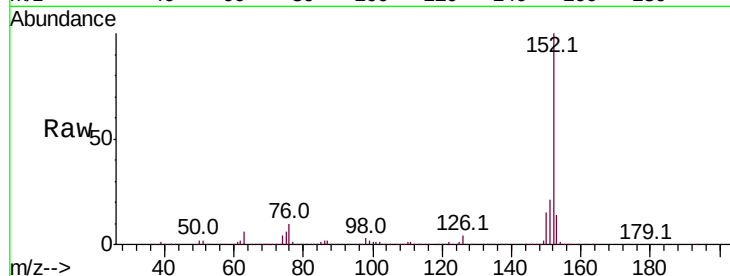
152 100

151 20.8 18.0 27.0

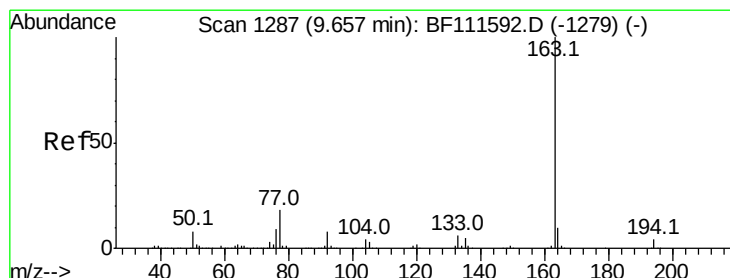
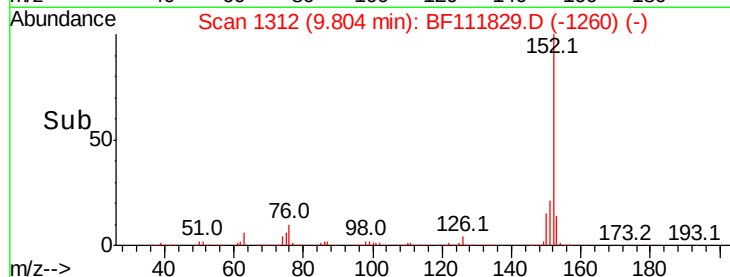
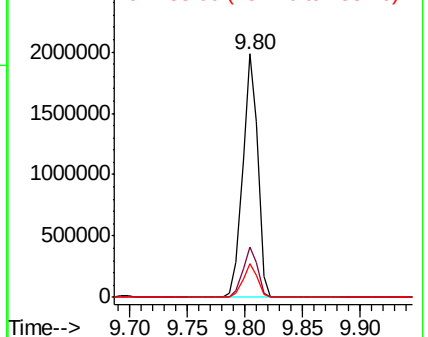
153 14.1 12.3 18.5

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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: 45.144 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

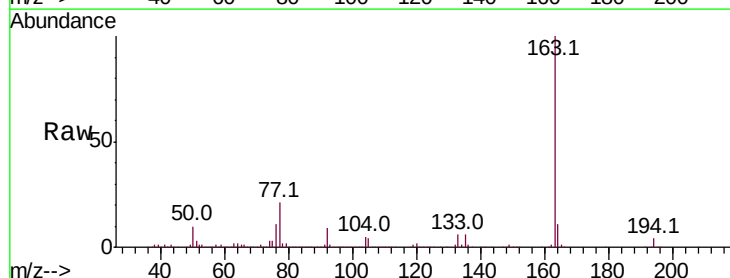
Tgt Ion:163 Resp: 1793818

Ion Ratio Lower Upper

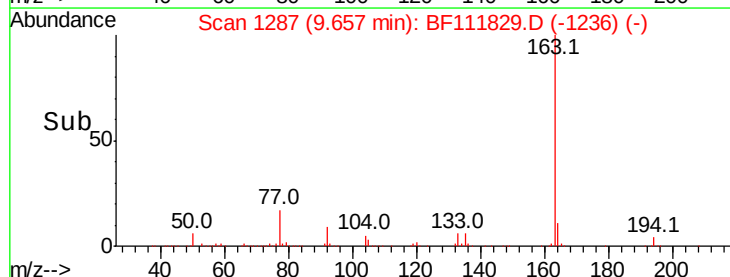
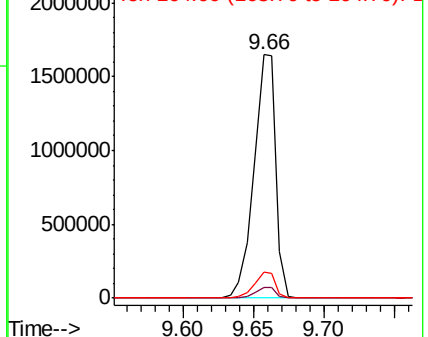
163 100

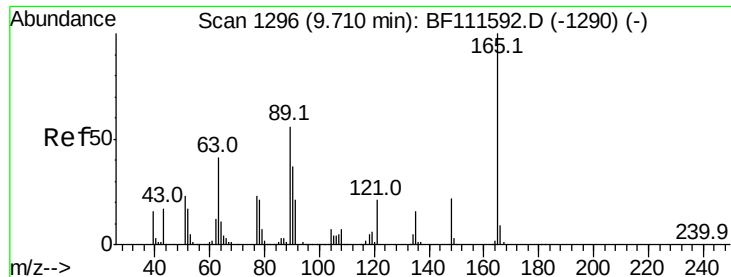
194 4.2 3.0 4.6

164 10.5 8.9 13.3



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





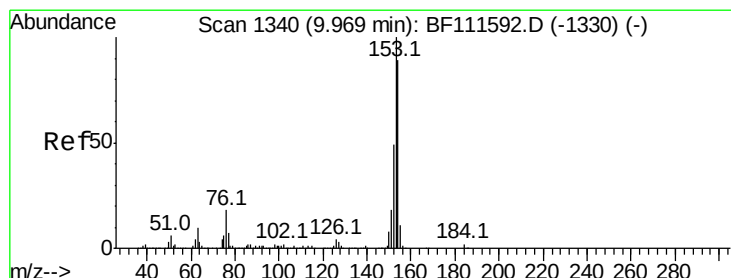
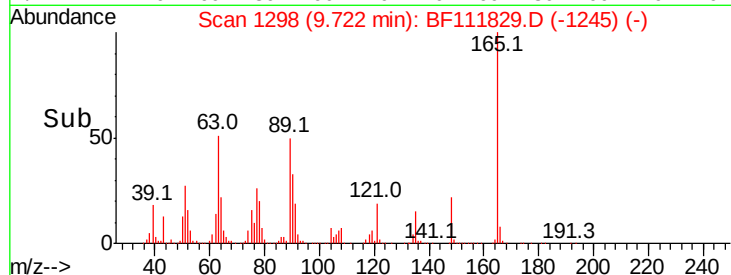
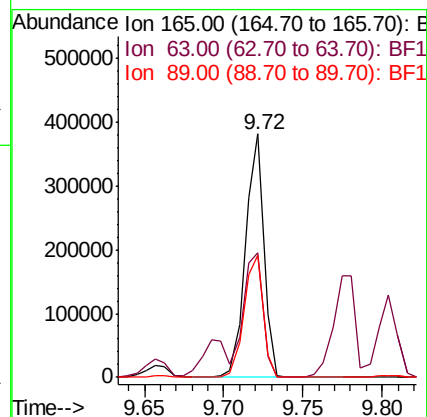
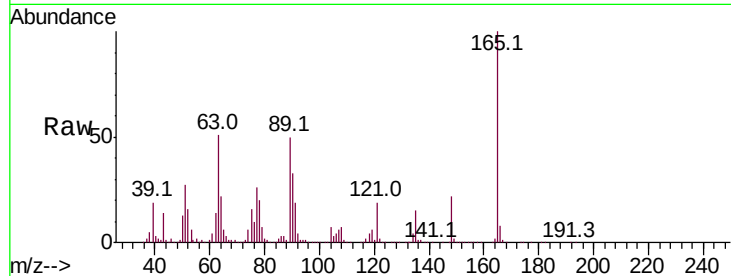
#51  
 2,6-Dinitrotoluene  
 Concen: 38.381 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 304106 |       |       |
| 63      | 51.2  |        | 40.5  | 60.7  |
| 89      | 49.9  |        | 40.0  | 60.0  |

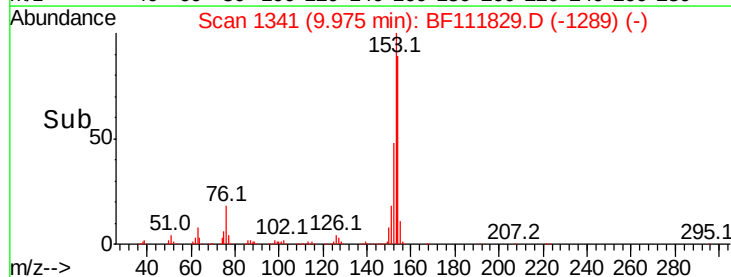
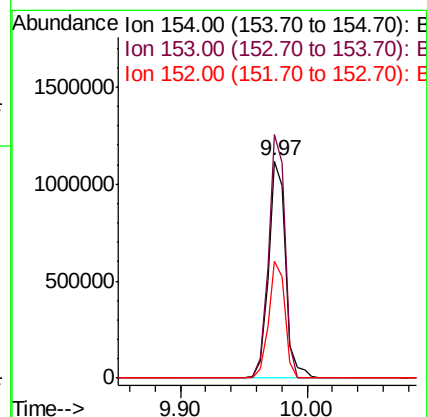
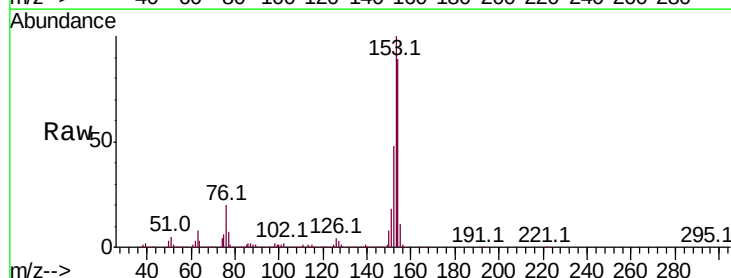
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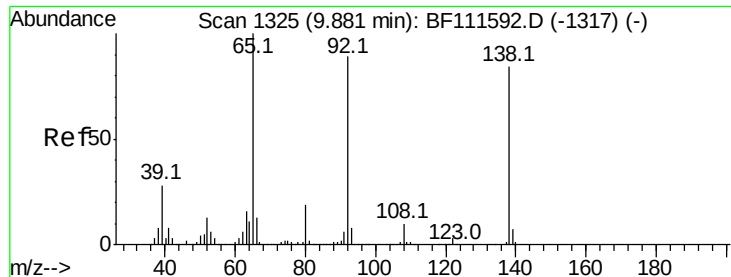
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#52  
 Acenaphthene  
 Concen: 32.368 ng  
 RT: 9.97 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1059269 |       |       |
| 153     | 112.0 |         | 87.8  | 131.8 |
| 152     | 53.8  |         | 43.4  | 65.2  |





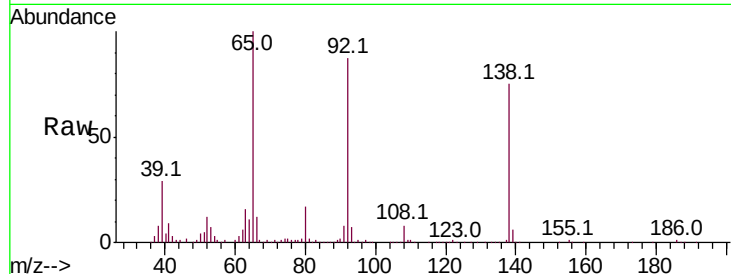
#53  
3-Nitroaniline  
Concen: 24.890 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 108     | 10.2  | 8.2  | 12.4  |       |
| 92      | 116.4 | 93.4 | 140.2 |       |

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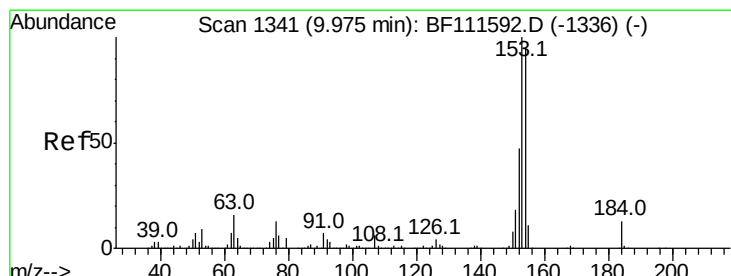
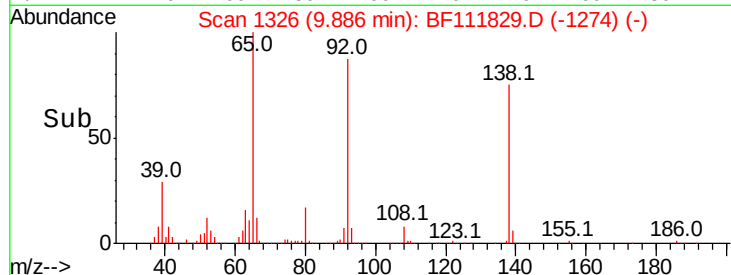
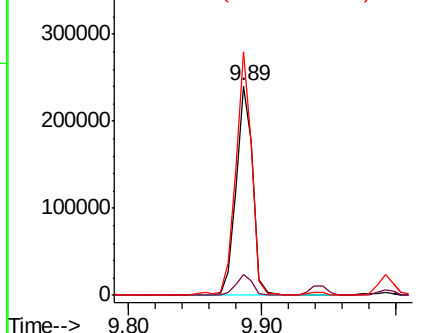


Abundance

Ion 138.00 (137.70 to 138.70): E

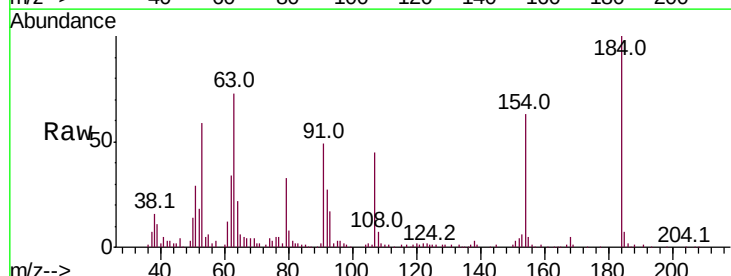
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 35.937 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 72.7  | 62.3 | 93.5  |       |
| 154     | 62.6  | 56.2 | 84.2  |       |

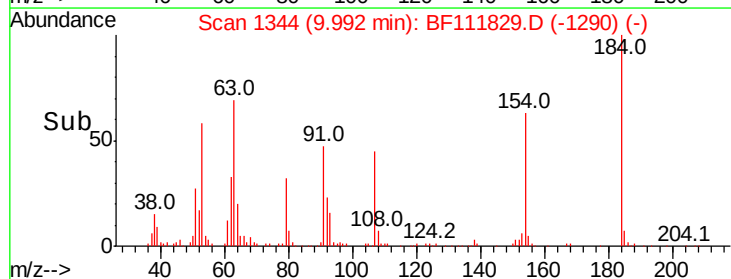
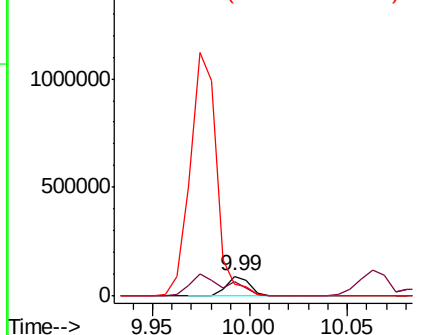


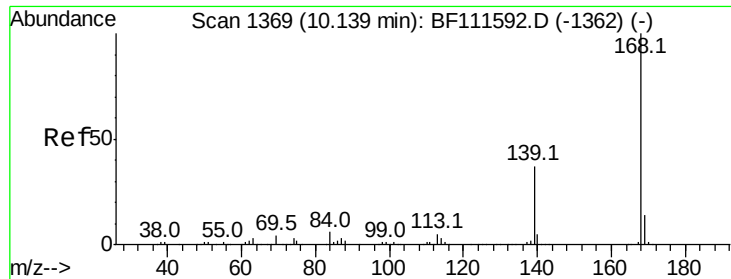
Abundance

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





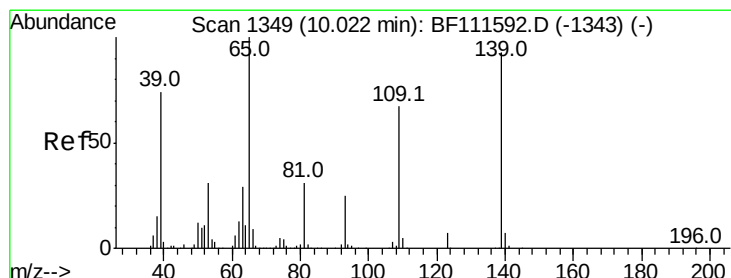
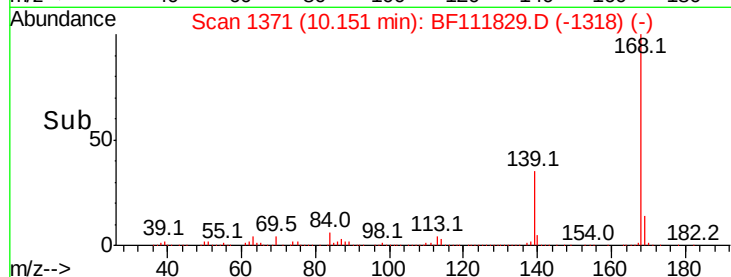
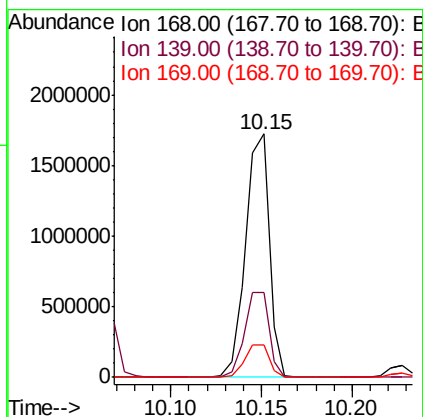
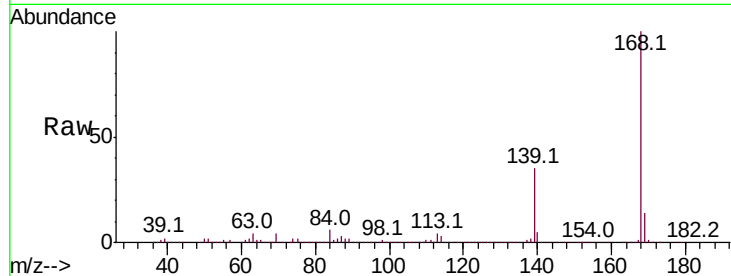
#55  
Dibenzofuran  
Concen: 31.707 ng  
RT: 10.15 min Scan# 1371  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

Tot Ion:168 Resp: 1567660  
Ion Ratio Lower Upper  
168 100  
139 35.0 32.6 49.0  
169 13.6 11.8 17.6

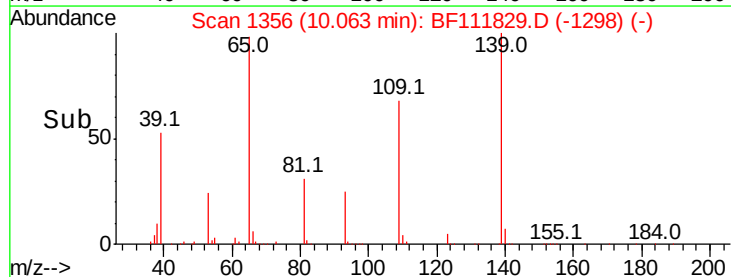
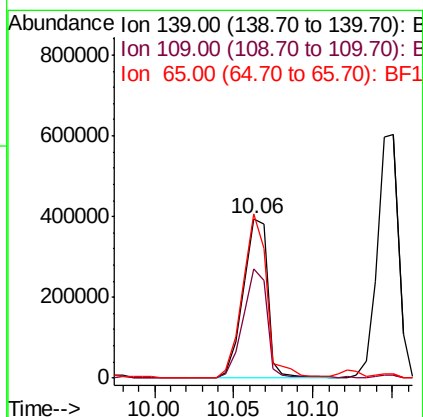
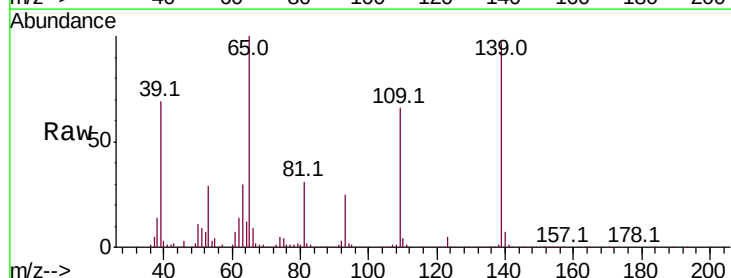
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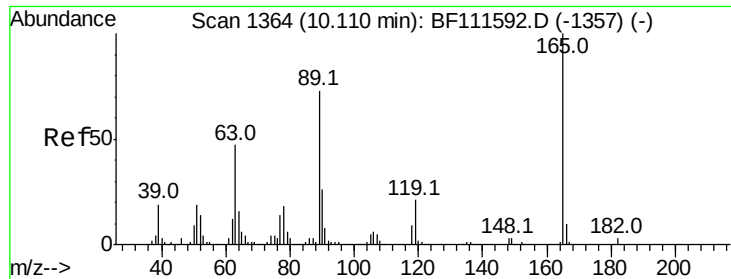


#56  
4-Nitrophenol  
Concen: 65.551 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.04 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Tgt Ion:139 Resp: 422720  
Ion Ratio Lower Upper  
139 100  
109 68.5 41.8 81.8  
65 103.2 79.6 119.6







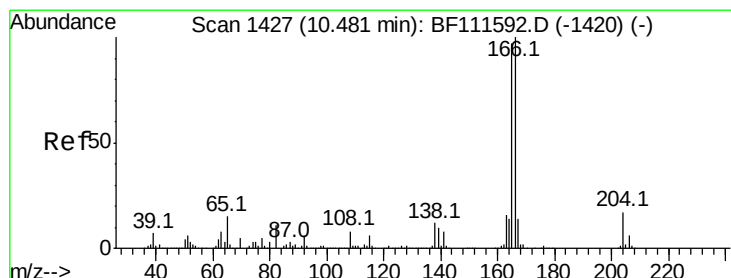
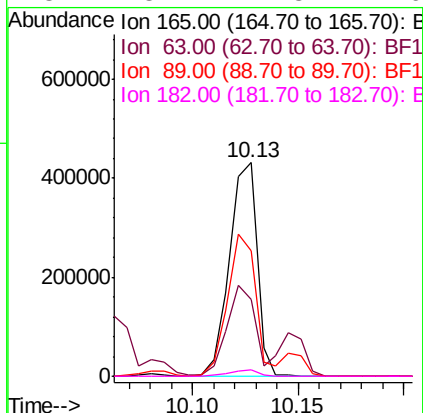
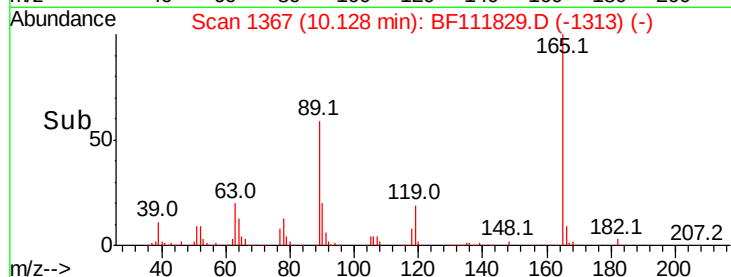
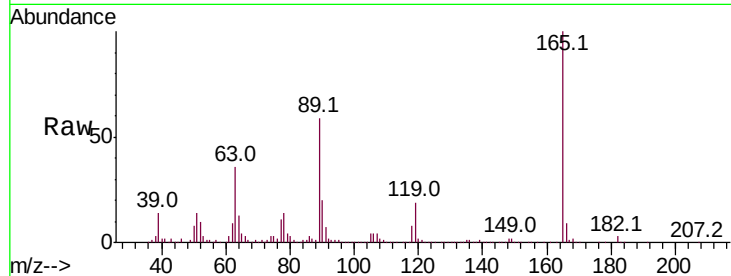
#57  
2,4-Dinitrotoluene  
Concen: 40.731 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 387867 |       |       |
| 63      | 36.1  |        | 34.6  | 52.0  |
| 89      | 59.0  |        | 56.2  | 84.4  |
| 182     | 3.1   |        | 1.8   | 2.6   |

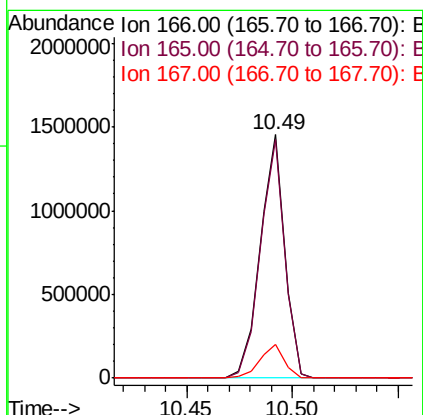
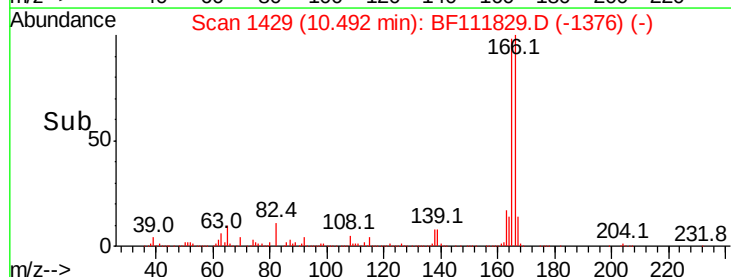
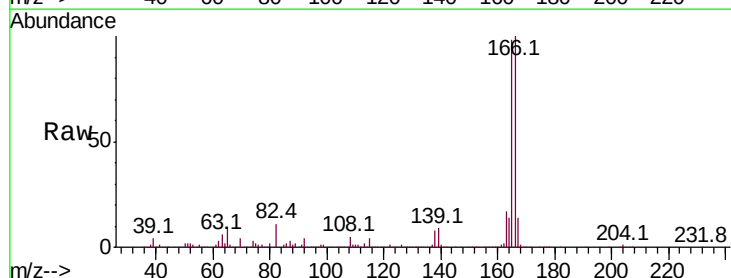
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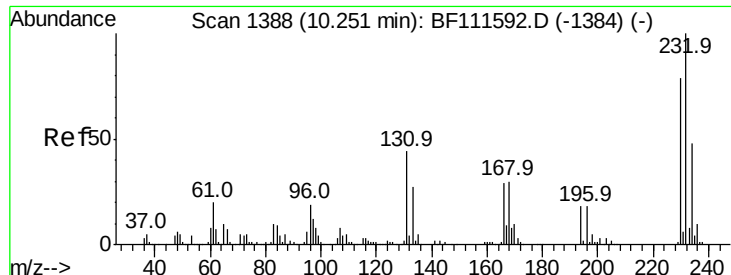
Sohil  
1/4/2019 9:56:44 AM



#58  
Fluorene  
Concen: 32.885 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1171619 |       |       |
| 165     | 98.0  |         | 78.4  | 117.6 |
| 167     | 13.7  |         | 11.2  | 16.8  |





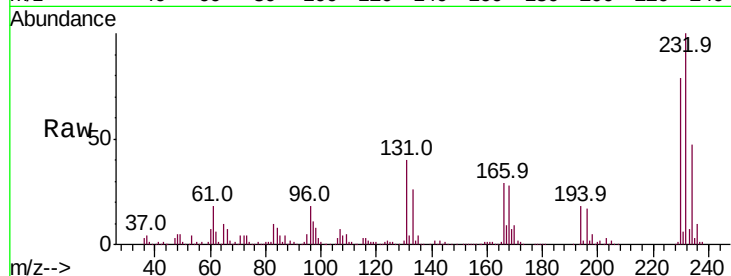
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 33.128 ng  
 RT: 10.27 min Scan# 1391  
 Delta R.T. 0.02 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 340956 |       |       |
| 131     | 39.2  |        | 40.9  | 61.3# |
| 130     | 2.1   |        | 2.0   | 3.0   |
| 166     | 27.7  |        | 26.8  | 40.2  |

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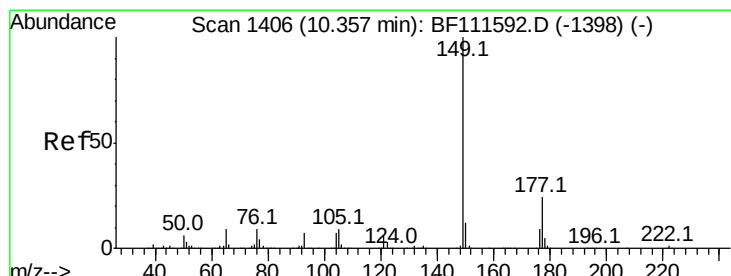
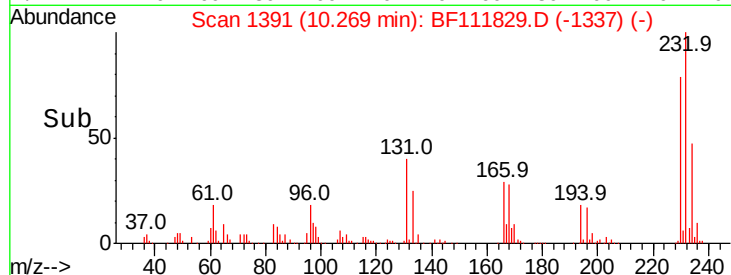
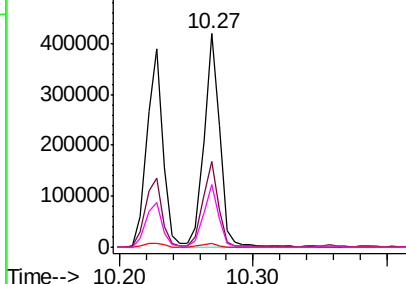
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 33.457 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.00 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

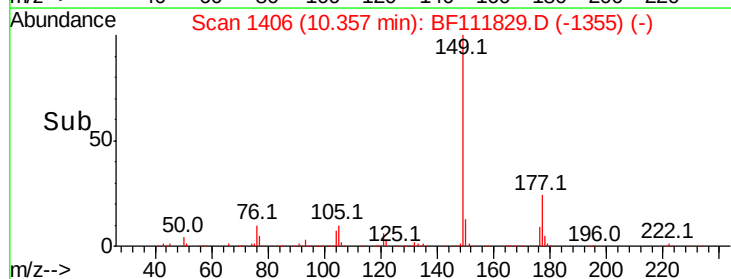
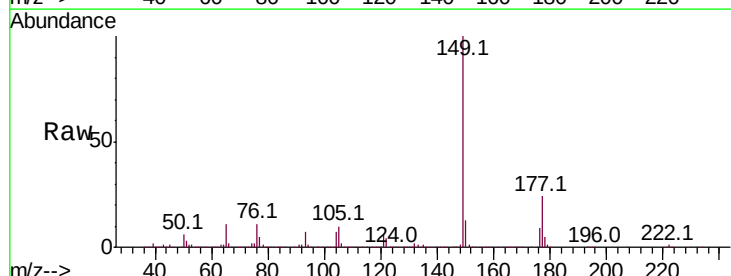
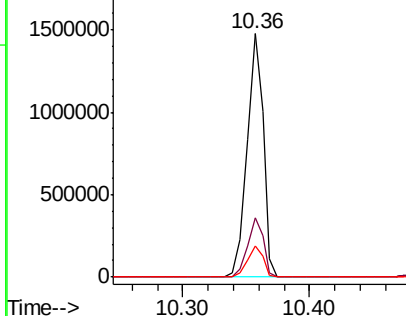
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1304082 |       |       |
| 177     | 24.2  |         | 18.3  | 27.5  |
| 150     | 12.8  |         | 10.6  | 15.8  |

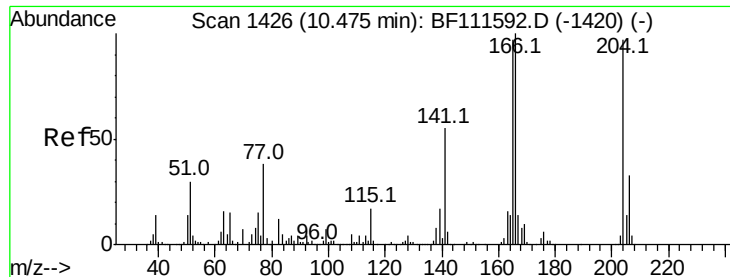
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 31.530 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

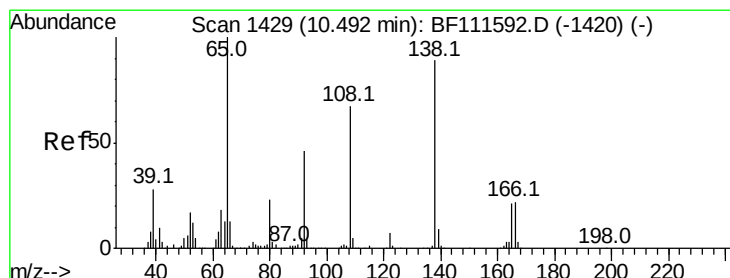
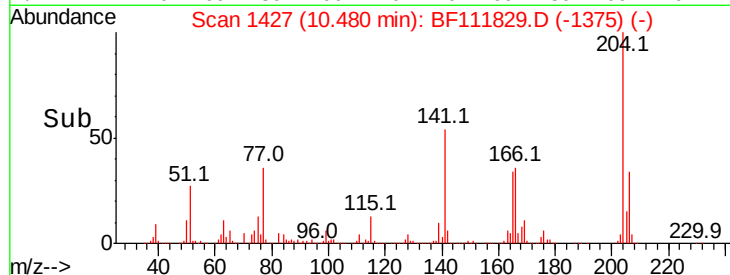
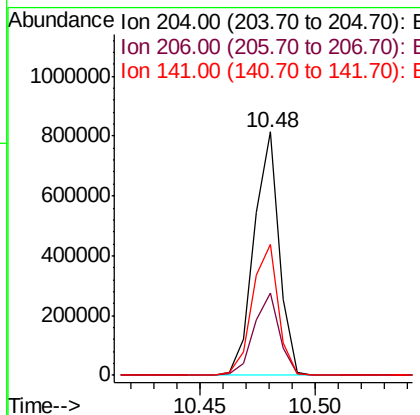
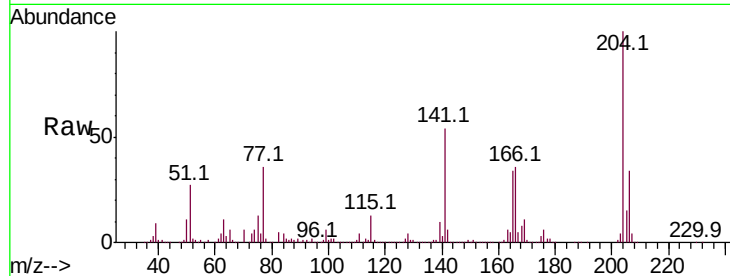
ClientSampled :

TP-5MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 620627 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 34.0  | 26.6  | 39.8   |
| 141       | 53.7  | 52.6  | 78.8   |

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#62

4-Nitroaniline

Concen: 30.985 ng

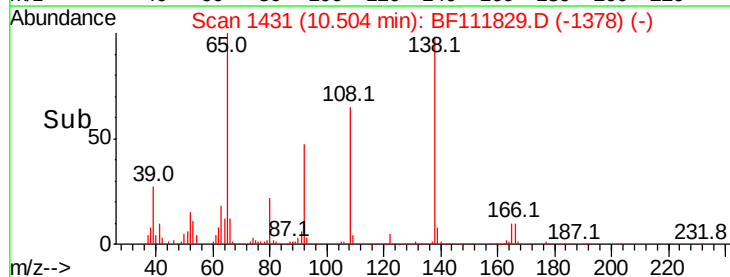
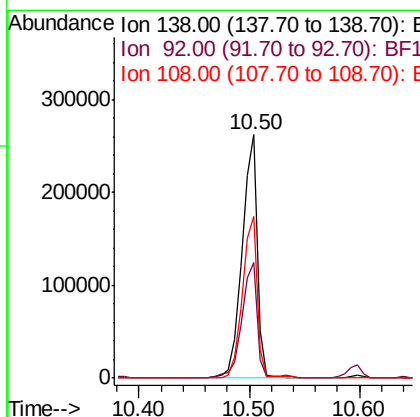
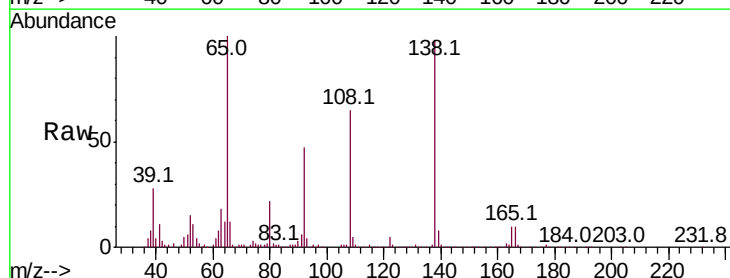
RT: 10.50 min Scan# 1431

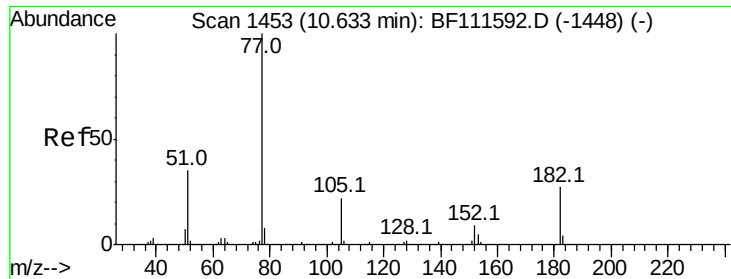
Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 254477 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 47.7  | 29.9  | 69.9   |
| 108       | 66.5  | 43.2  | 83.2   |





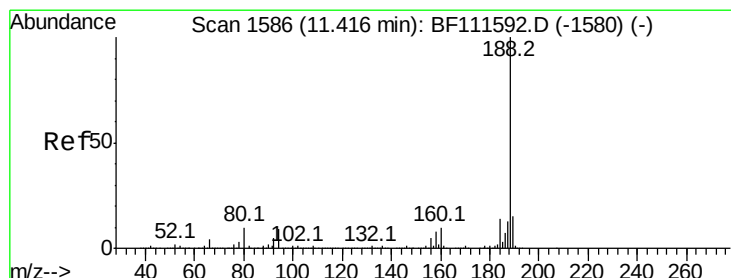
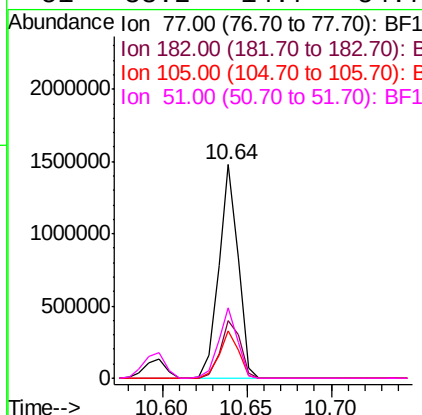
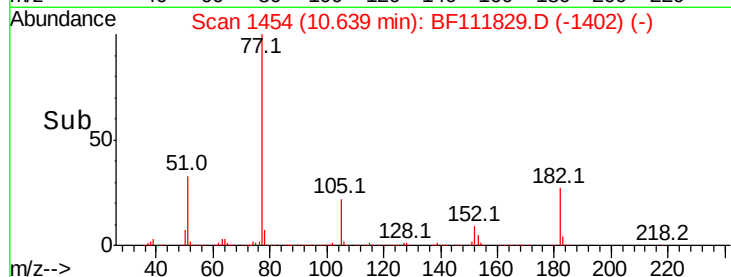
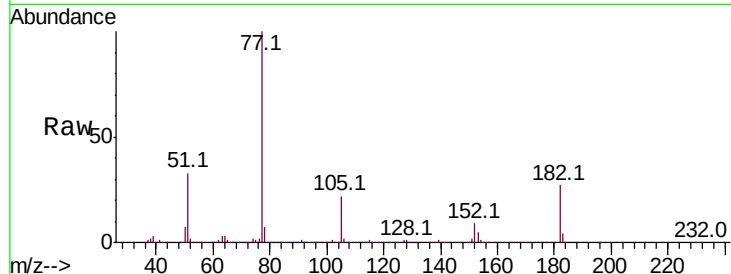
#63  
Azobenzene  
Concen: 30.061 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.8  | 4.9   | 44.9  |
| 105     | 22.2  | 6.0   | 46.0  |
| 51      | 33.2  | 14.7  | 54.7  |

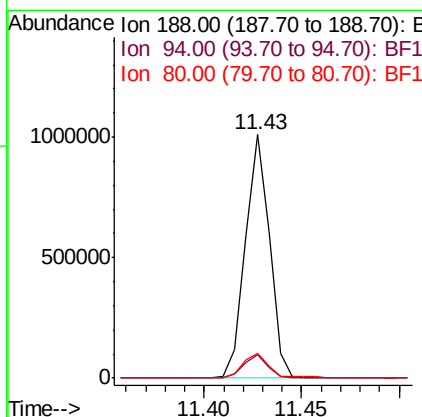
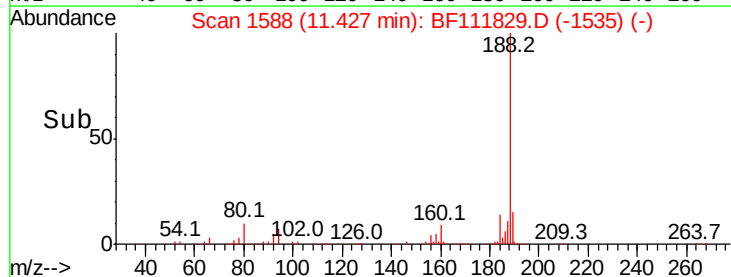
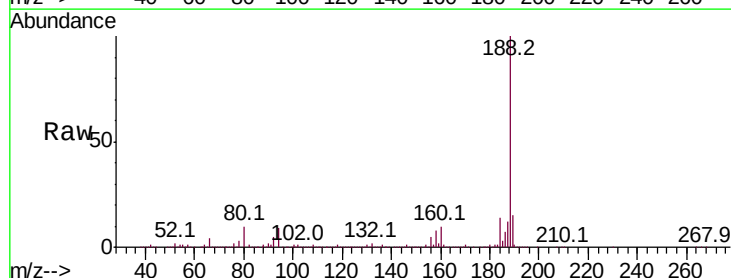
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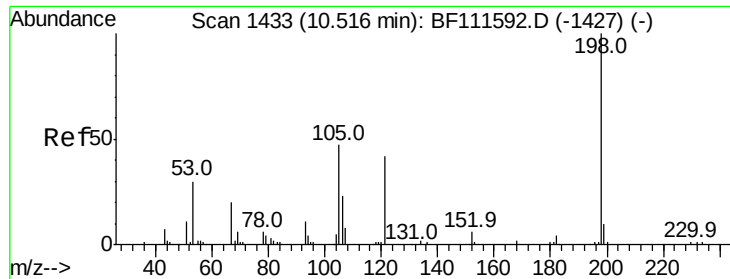
Sohil  
1/4/2019 9:56:44 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.43 min Scan# 1588  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.4   | 9.6   | 14.4# |
| 80      | 10.2  | 9.8   | 14.6  |





#65

4,6-Dinitro-2-methylphenol

Concen: 25.404 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

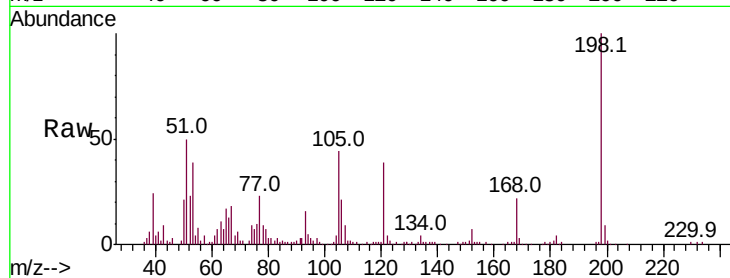
ClientSampleId :

TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 49.7  | 48.0  | 88.0  |
| 105     | 43.8  | 34.0  | 74.0  |

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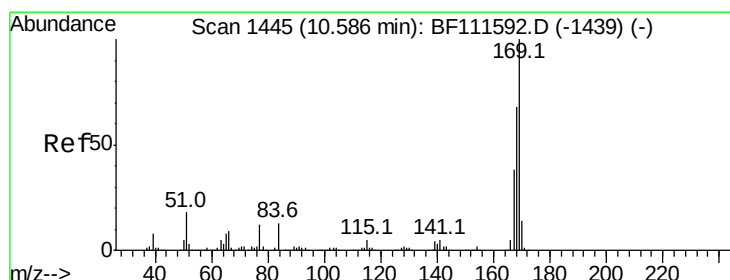
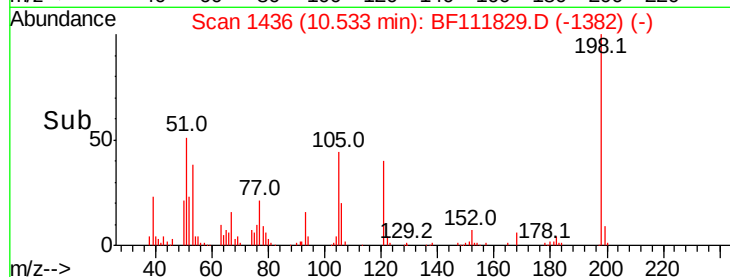
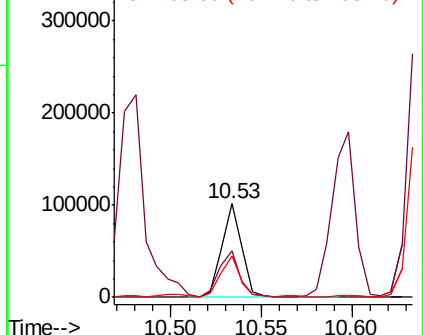
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 36.792 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF111829.D

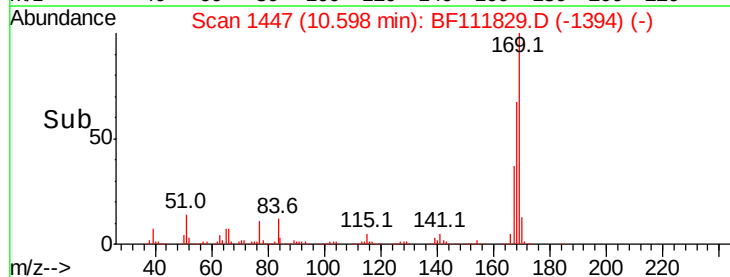
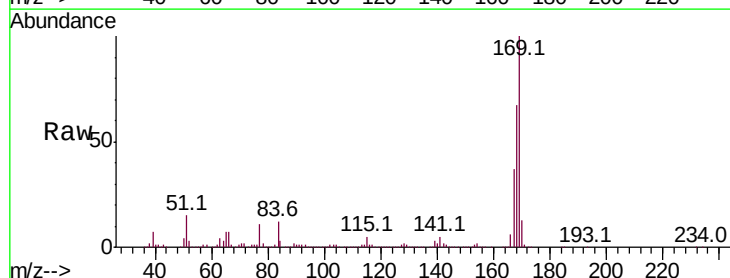
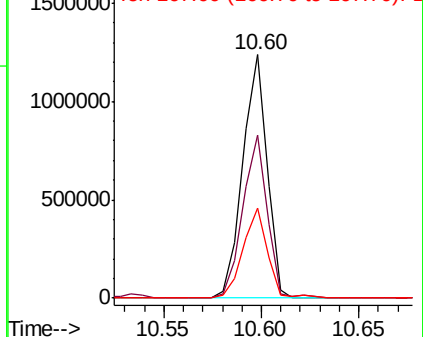
Acq: 3 Jan 2019 19:00

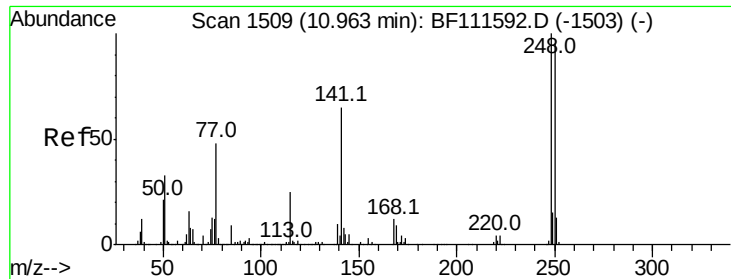
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.0  | 54.4  | 81.6  |
| 167     | 36.7  | 30.5  | 45.7  |

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





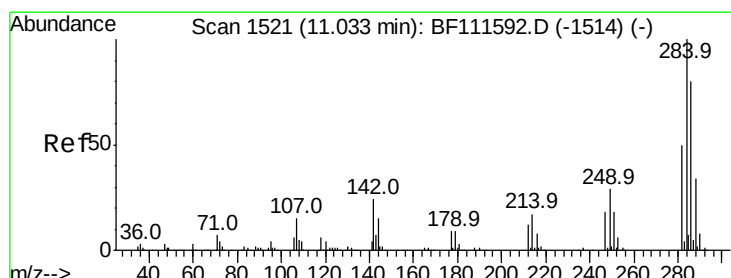
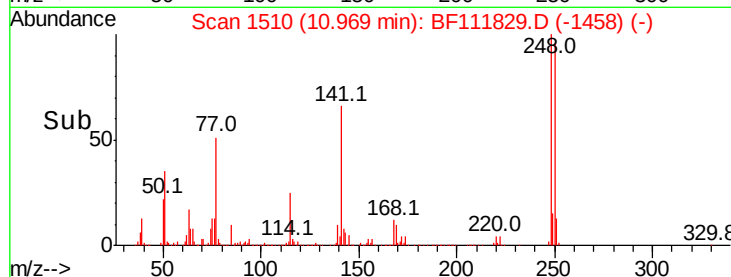
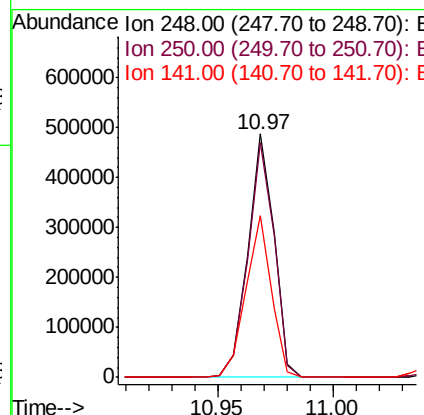
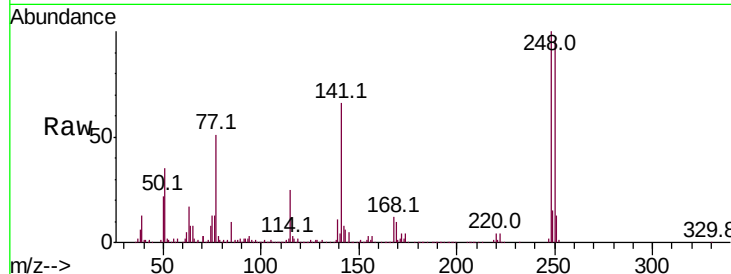
#67  
4-Bromophenyl-phenylether  
Concen: 35.966 ng  
RT: 10.97 min Scan# 1510  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.5  | 77.0  | 115.4 |
| 141     | 66.3  | 63.0  | 94.6  |

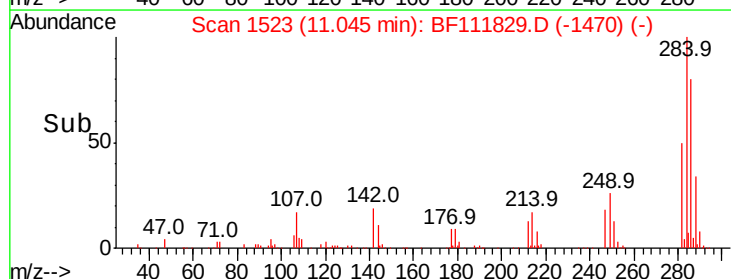
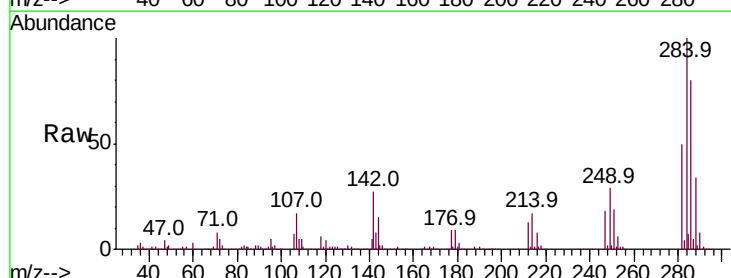
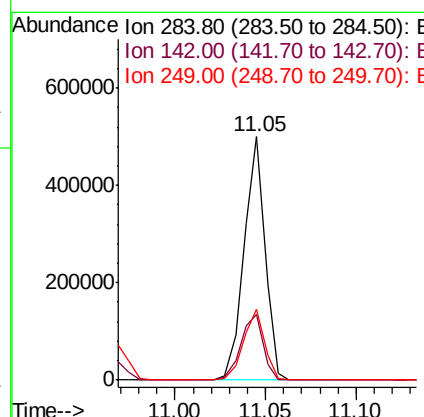
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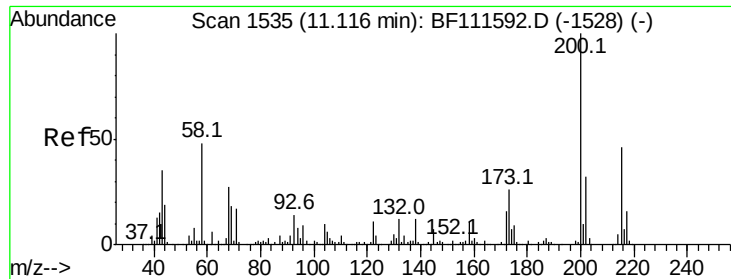
Sohil  
1/4/2019 9:56:44 AM



#68  
Hexachlorobenzene  
Concen: 33.384 ng  
RT: 11.05 min Scan# 1523  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.2  | 27.4  | 41.2# |
| 249     | 29.0  | 24.4  | 36.6  |





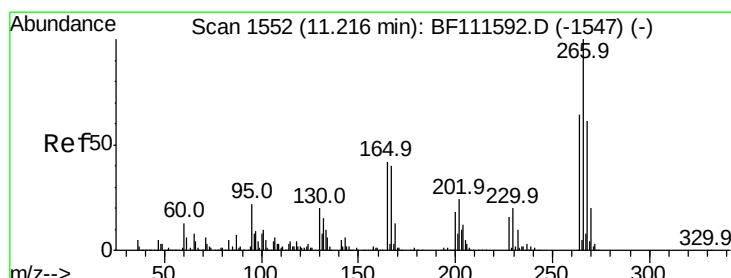
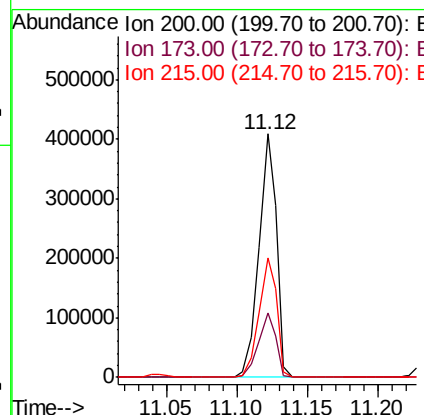
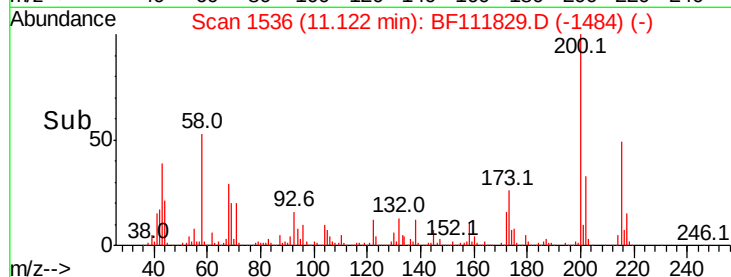
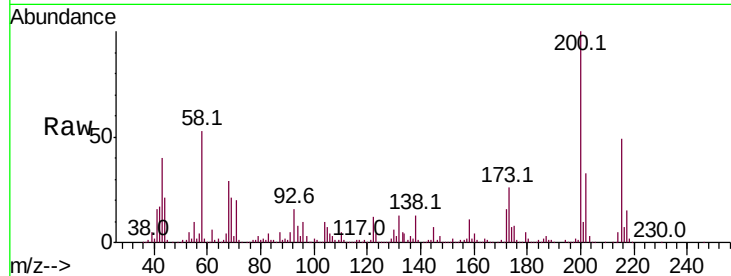
#69  
Atrazine  
Concen: 35.492 ng  
RT: 11.12 min Scan# 1536  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 26.2  | 10.1       | 50.1       |
| 215     | 49.1  | 26.9       | 66.9       |

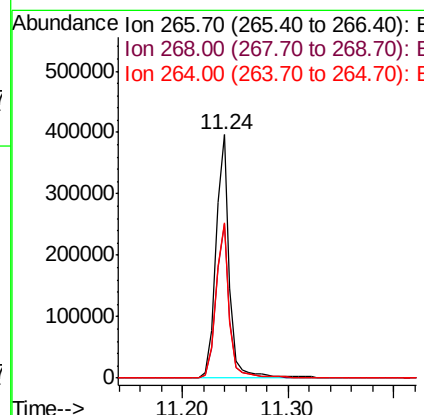
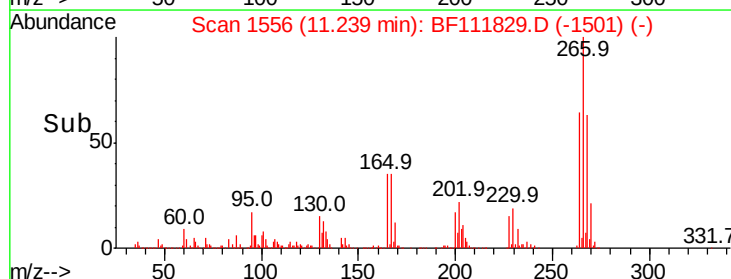
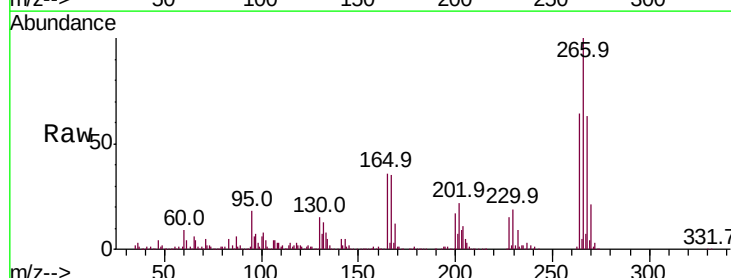
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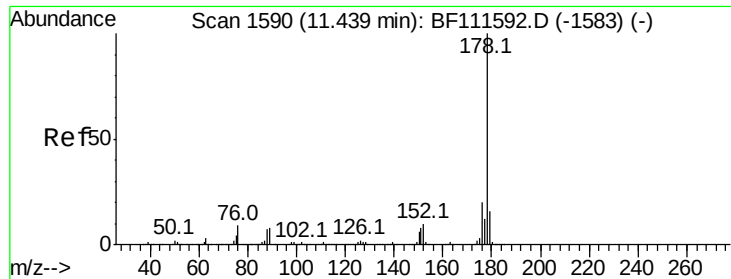
Sohil  
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#70  
Pentachlorophenol  
Concen: 48.026 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 63.3  | 47.9       | 71.9       |
| 264     | 63.7  | 49.1       | 73.7       |





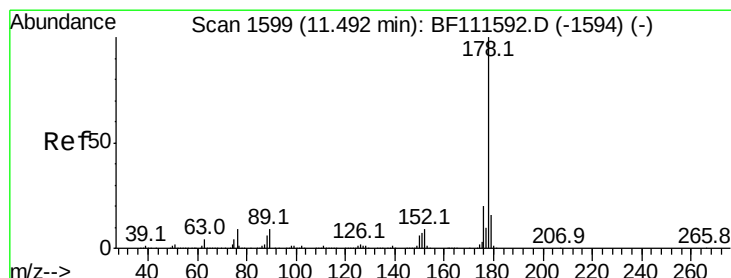
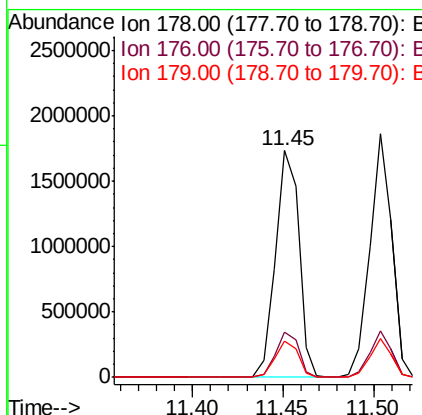
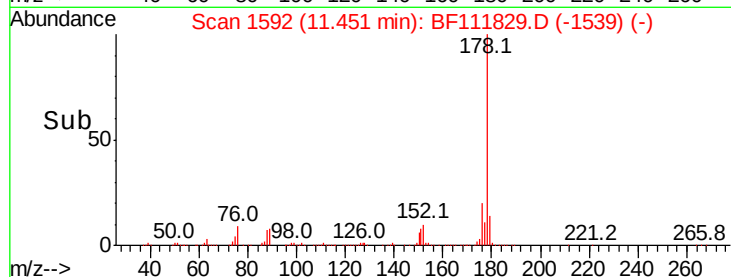
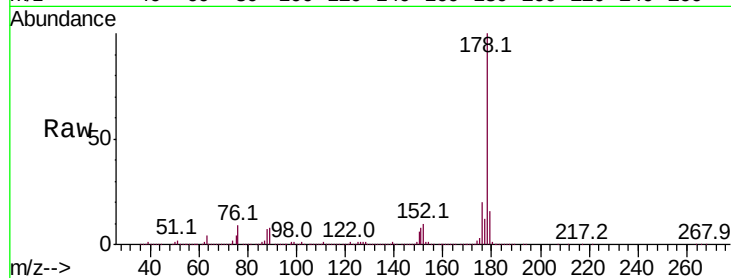
#71  
Phenanthrene  
Concen: 33.812 ng  
RT: 11.45 min Scan# 1592  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampled :  
TP-5MSD

Tot Ion:178 Resp: 1554620  
Ion Ratio Lower Upper  
178 100  
176 19.9 18.1 27.1  
179 15.9 14.0 21.0

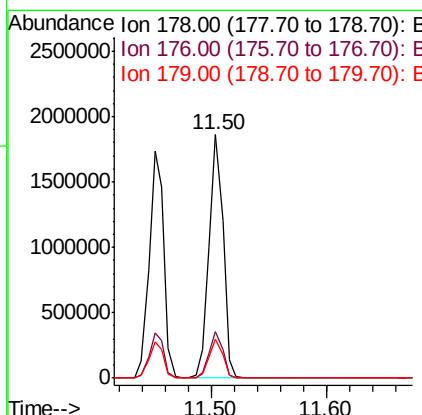
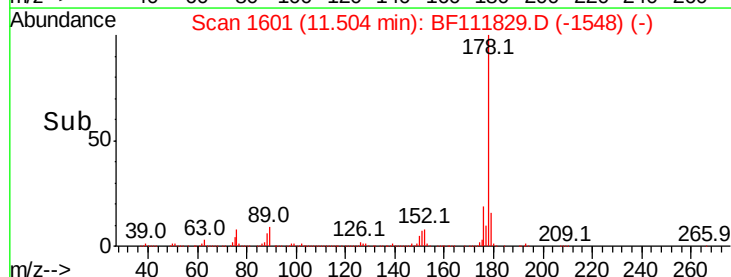
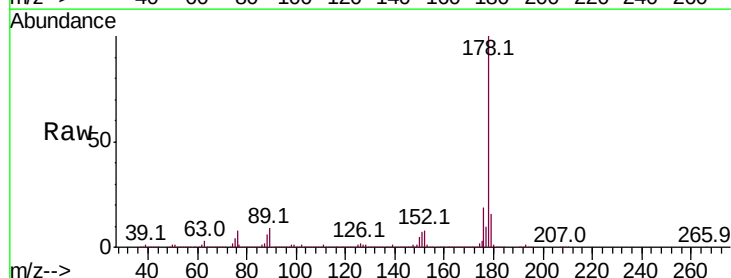
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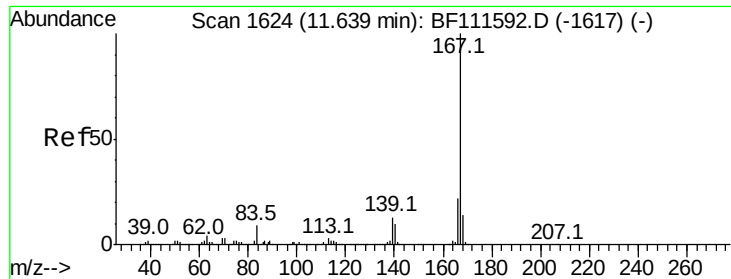


#72  
Anthracene  
Concen: 34.134 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Tgt Ion:178 Resp: 1575281  
Ion Ratio Lower Upper  
178 100  
176 19.1 17.2 25.8  
179 16.1 13.8 20.8







#73

Carbazole

Concen: 29.116 ng

RT: 11.66 min Scan# 1627

Delta R.T. 0.02 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampleId :

TP-5MSD

Tot Ion:167 Resp: 1304556

Ion Ratio Lower Upper

167 100

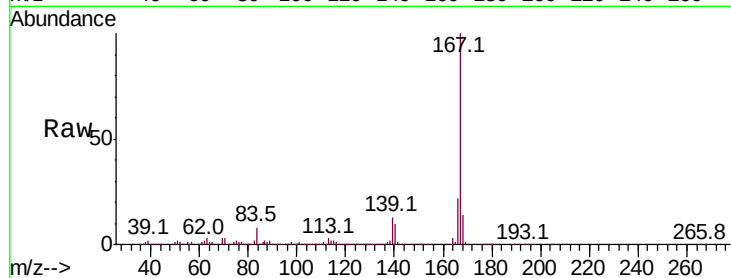
166 22.2 19.3 28.9

139 12.7 11.9 17.9

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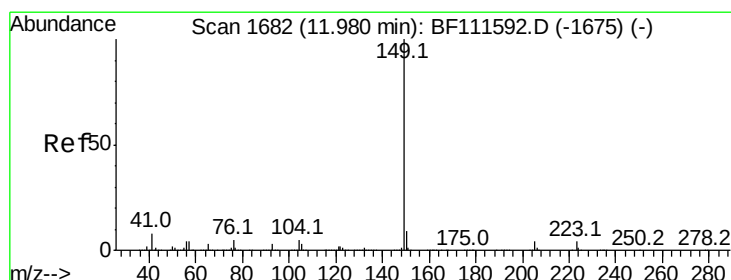
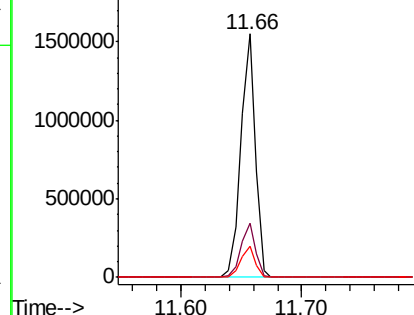
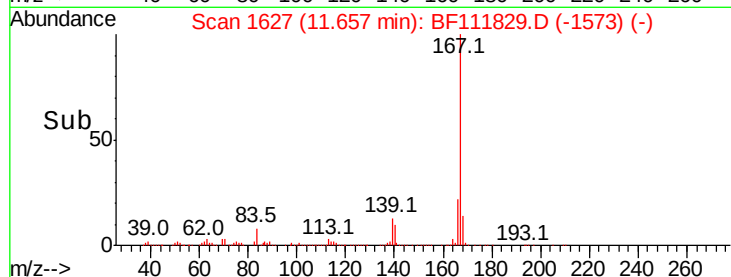


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 35.589 ng

RT: 11.98 min Scan# 1682

Delta R.T. -0.00 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

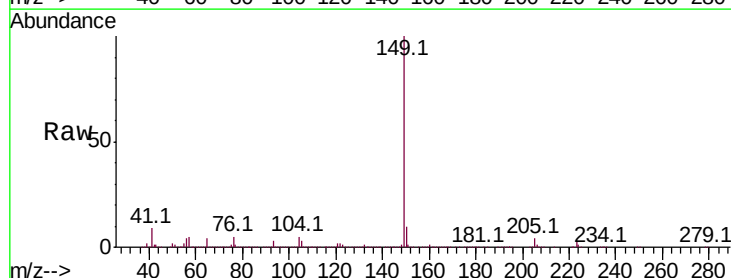
Tgt Ion:149 Resp: 1787870

Ion Ratio Lower Upper

149 100

150 9.8 8.8 13.2

104 5.0 4.5 6.7

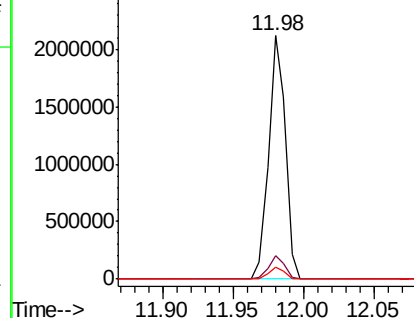
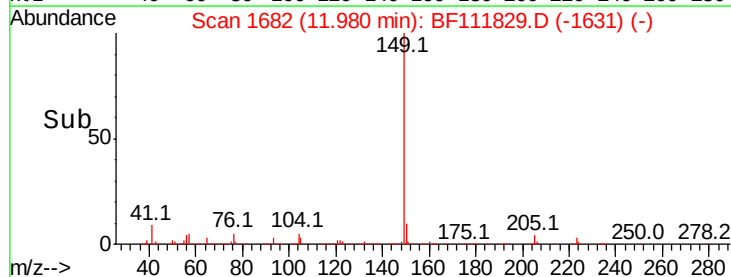


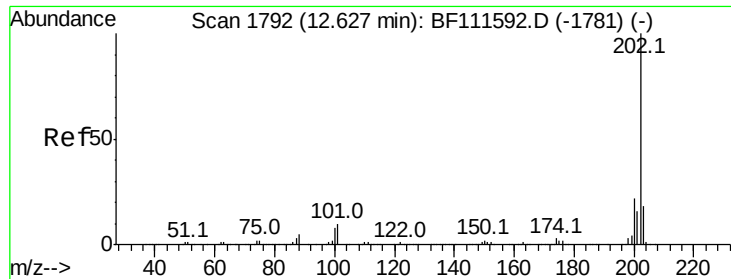
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 28.502 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

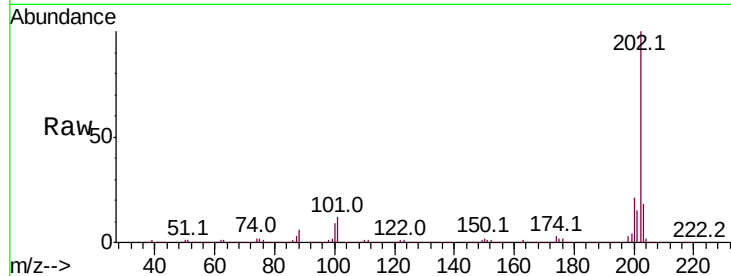
ClientSampleId :

TP-5MSD

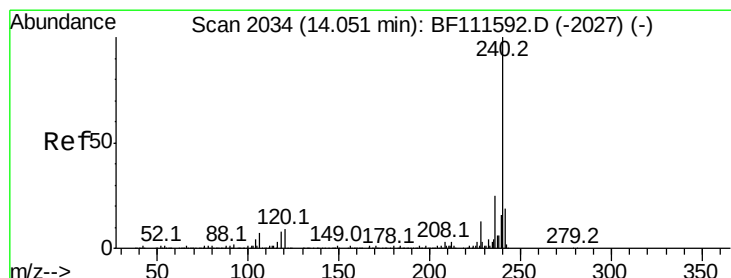
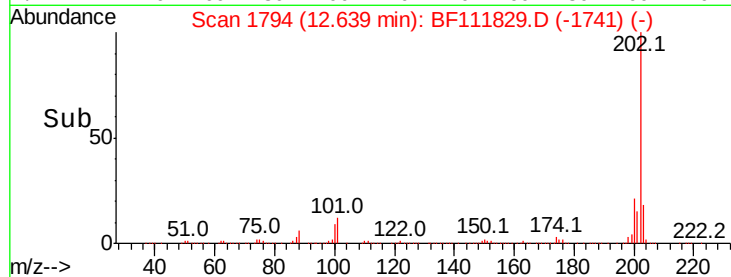
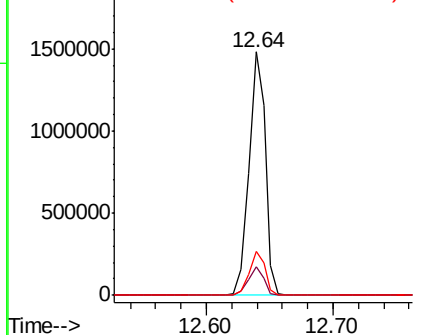
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 1327013 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 11.7  | 0.0   | 33.8    |
| 203      | 18.1  | 0.0   | 38.6    |

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



#76

Chrysene-d12

Concen: 20.000 ng

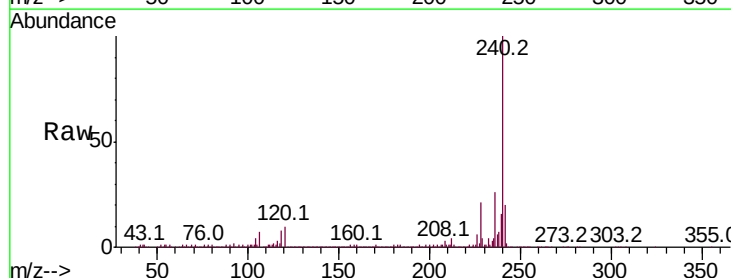
RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

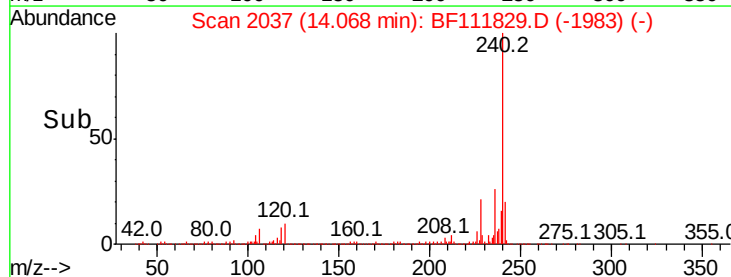
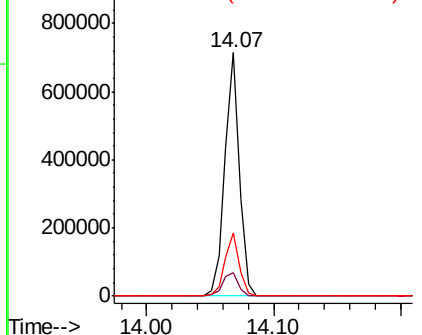
Lab File: BF111829.D

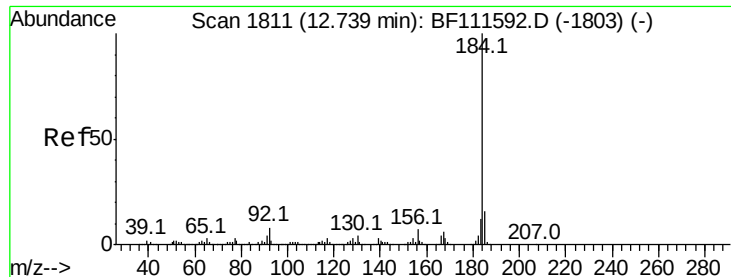
Acq: 3 Jan 2019 19:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 569882 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.8   | 12.2  | 18.2#  |
| 236      | 25.7  | 20.2  | 30.2   |



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: 29.910 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampleId :

TP-5MSD

Tot Ion:184 Resp: 641392

Ion Ratio Lower Upper

184 100

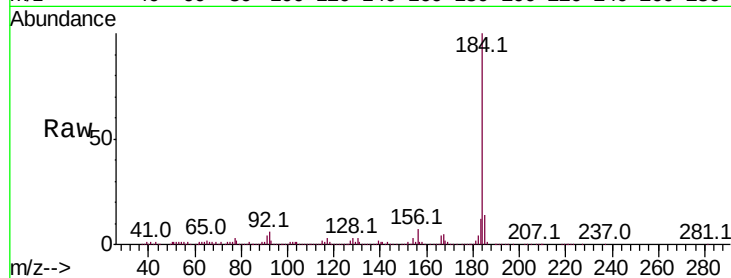
185 13.8 13.0 19.6

183 11.6 9.3 13.9

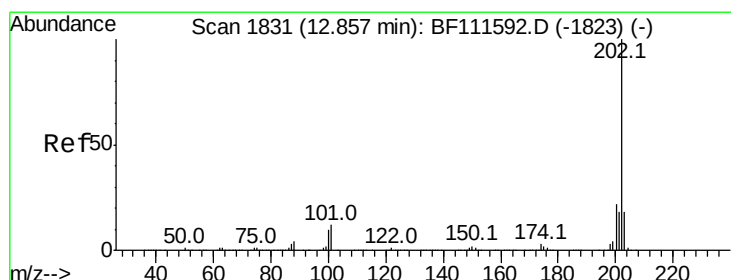
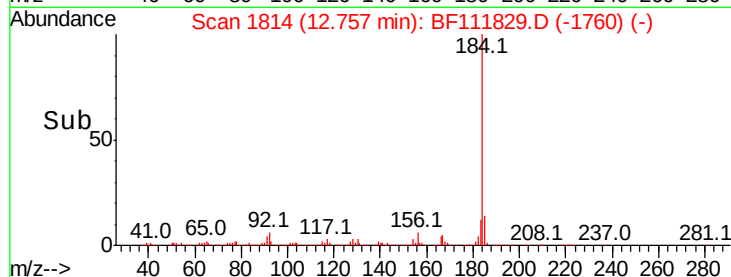
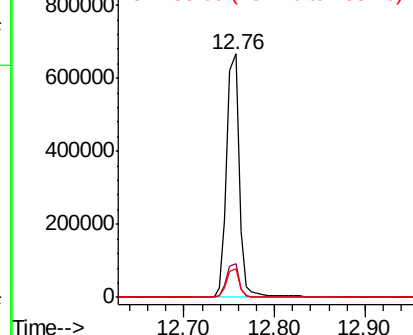
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Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 31.838 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

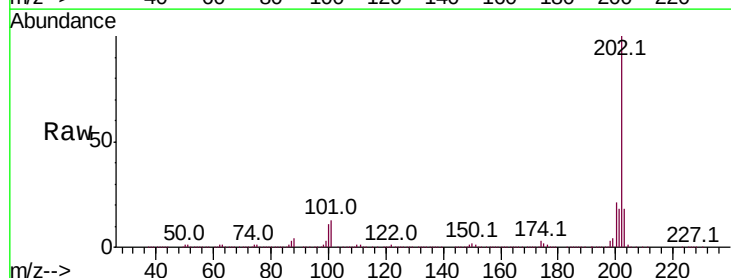
Tgt Ion:202 Resp: 1281264

Ion Ratio Lower Upper

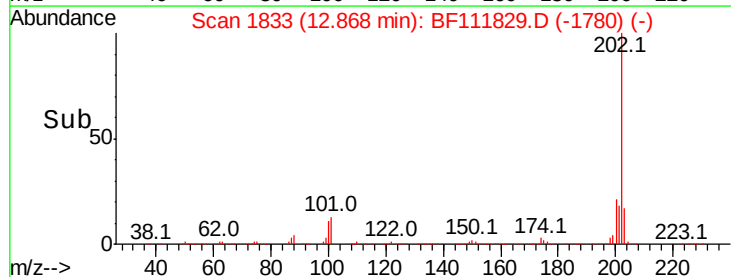
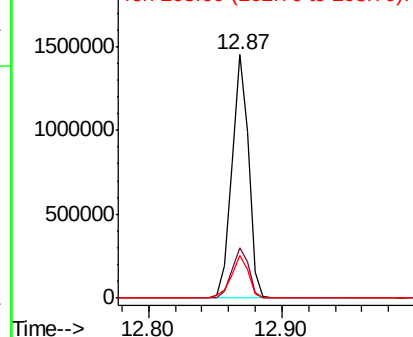
202 100

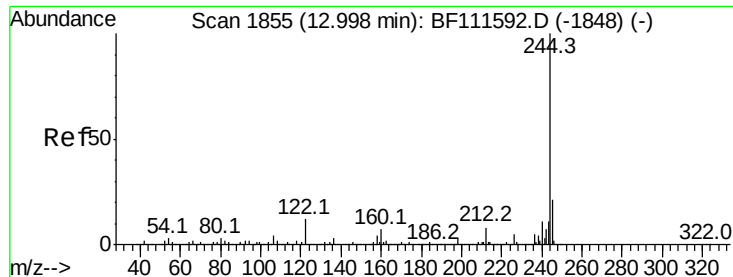
200 20.8 19.0 28.4

203 17.5 15.2 22.8



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





#79

Terphenyl-d14

Concen: 65.965 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampled :

TP-5MSD

Tot Ion:244 Resp: 1982284

Ion Ratio Lower Upper

244 100

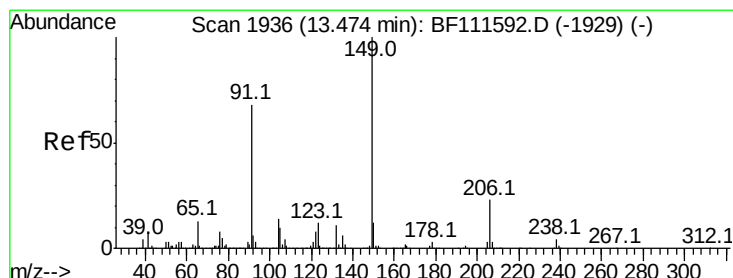
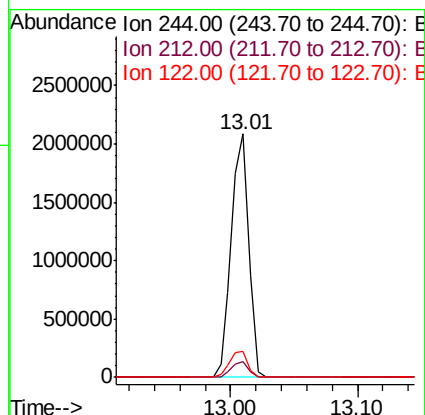
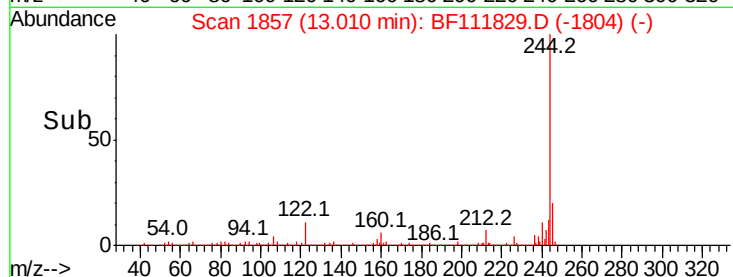
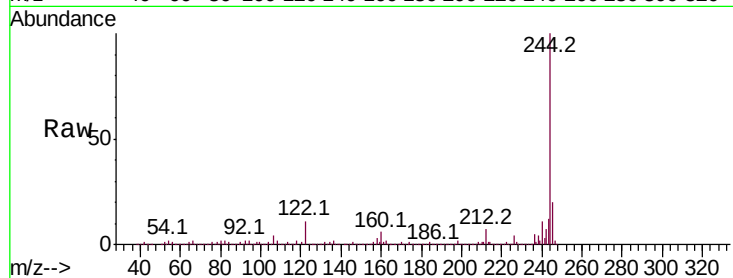
212 6.7 5.7 8.5

122 10.6 13.1 19.7#

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#80

Butylbenzylphthalate

Concen: 34.308 ng

RT: 13.48 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

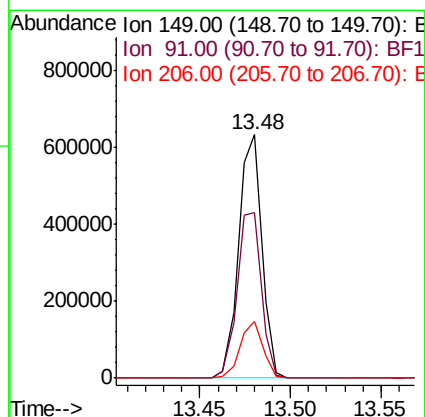
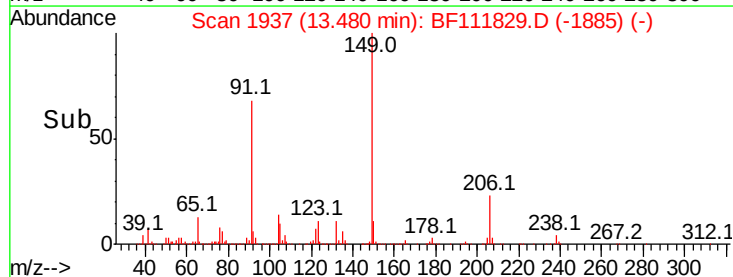
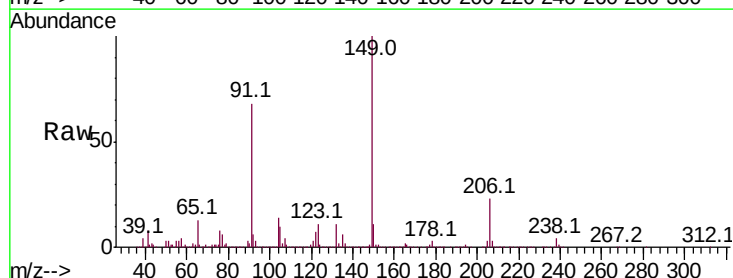
Tgt Ion:149 Resp: 562805

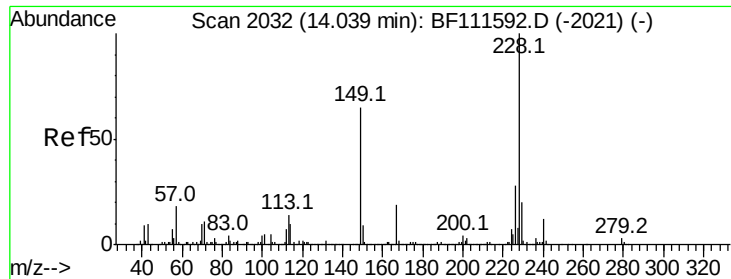
Ion Ratio Lower Upper

149 100

91 67.9 63.8 95.6

206 23.3 15.1 22.7#





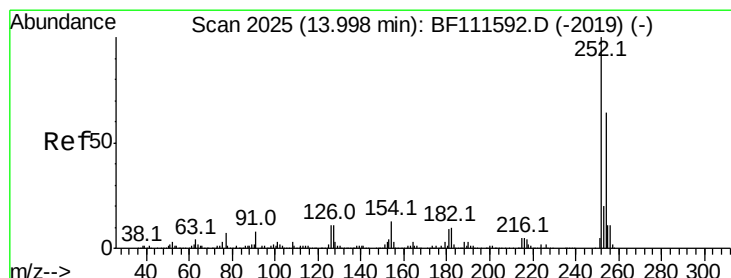
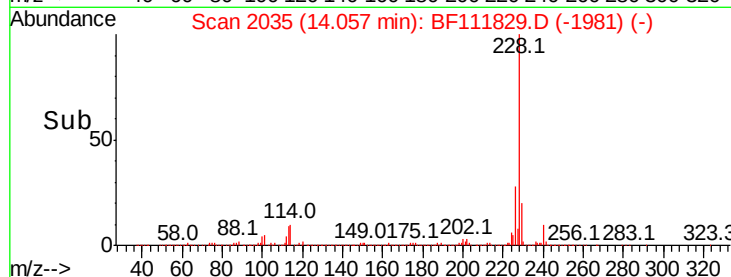
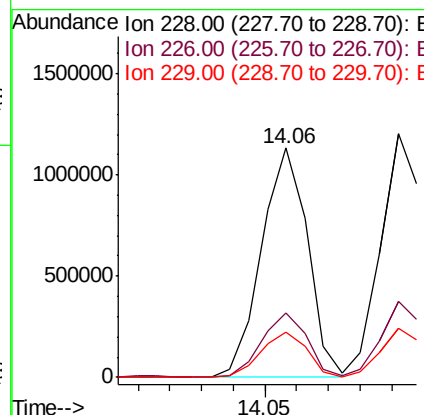
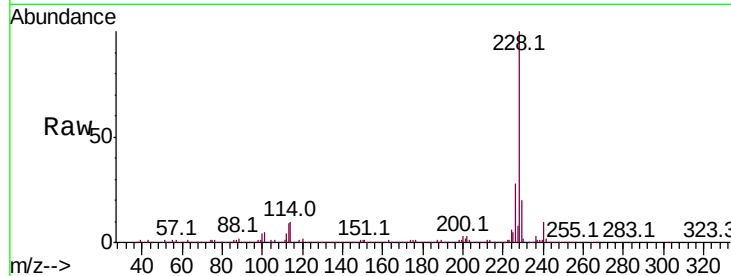
#81  
Benzo(a)anthracene  
Concen: 35.138 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

Tot Ion:228 Resp: 1142802  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.6 34.0  
229 19.7 16.3 24.5

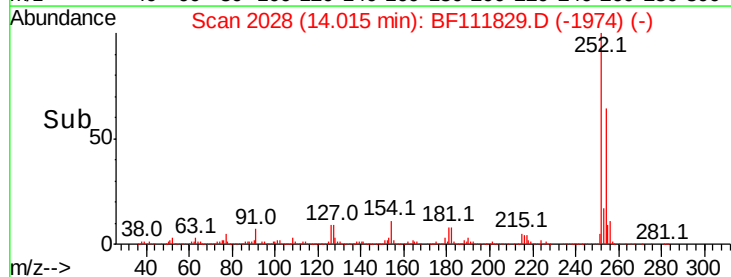
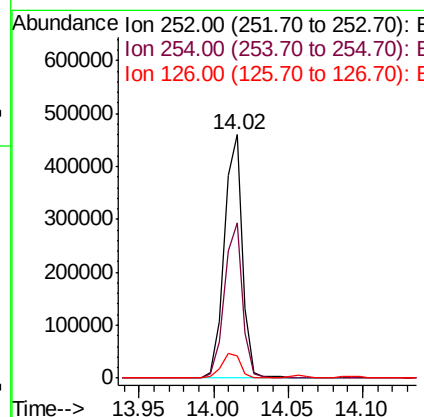
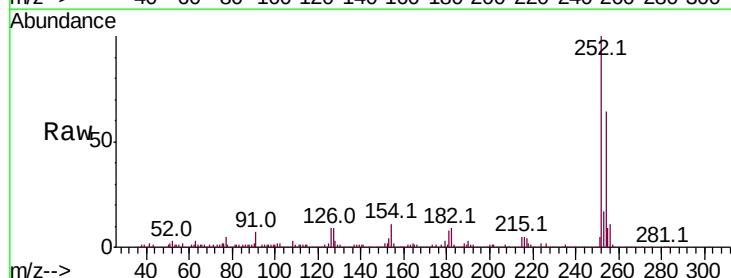
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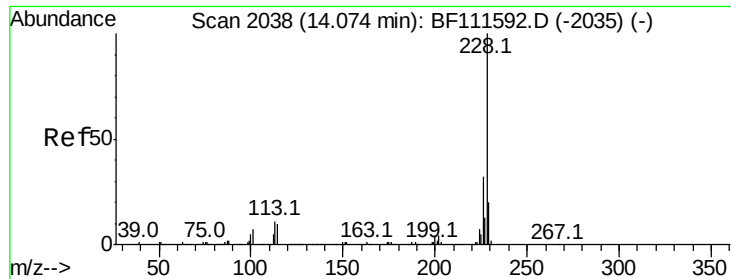
Sohil  
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#82  
3,3'-Dichlorobenzidine  
Concen: 30.719 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Tgt Ion:252 Resp: 394739  
Ion Ratio Lower Upper  
252 100  
254 63.6 52.7 79.1  
126 9.2 11.1 16.7#





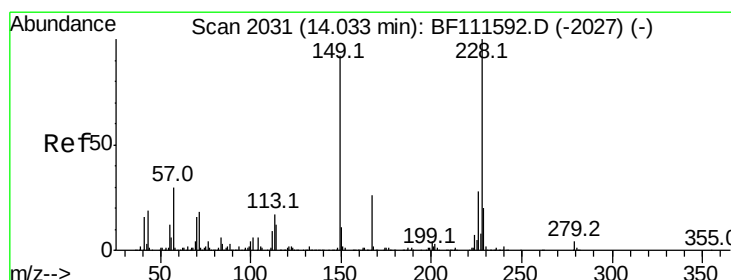
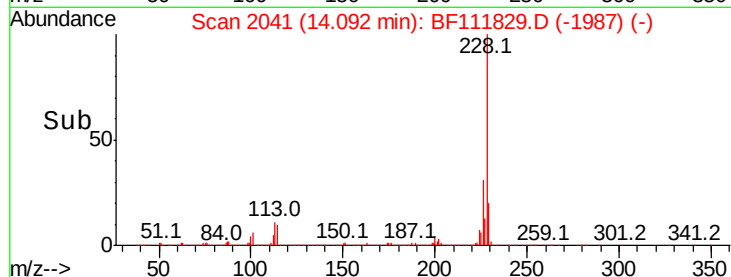
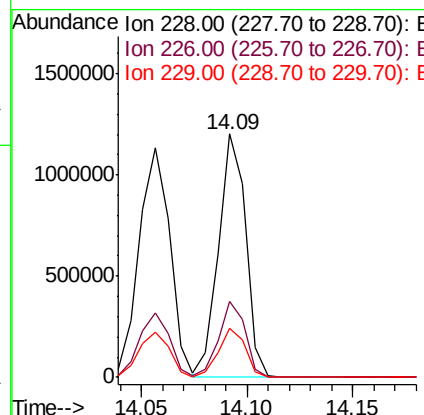
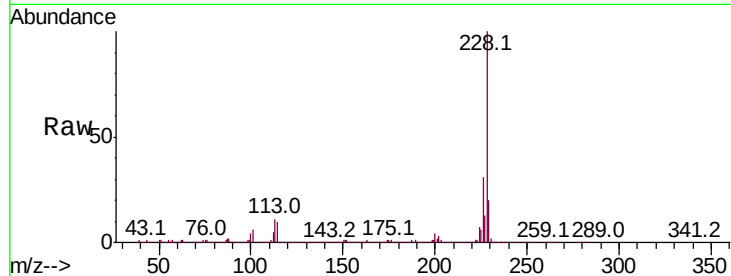
#83  
 Chrysene  
 Concen: 33.651 ng  
 RT: 14.09 min Scan# 2041  
 Delta R.T. 0.02 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5MSD

Tot Ion:228 Resp: 1075669  
 Ion Ratio Lower Upper  
 228 100  
 226 30.9 25.3 37.9  
 229 20.4 17.2 25.8

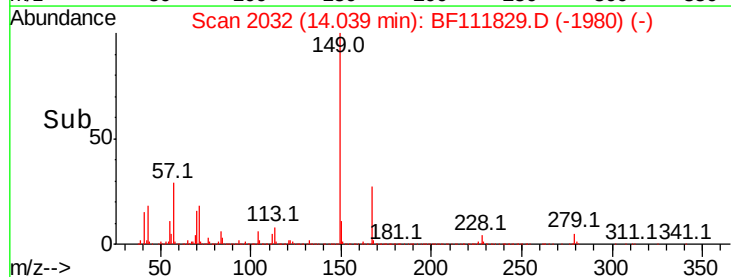
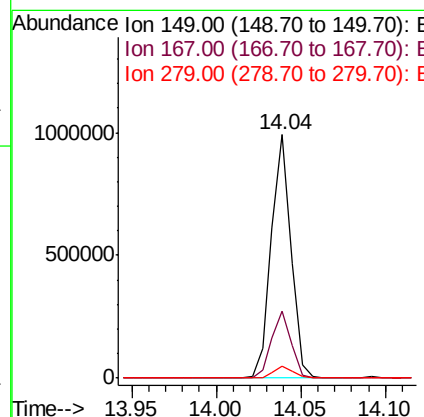
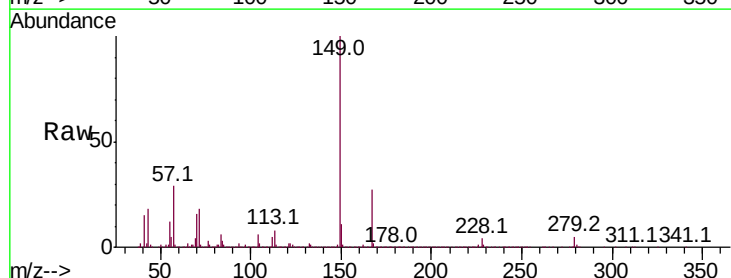
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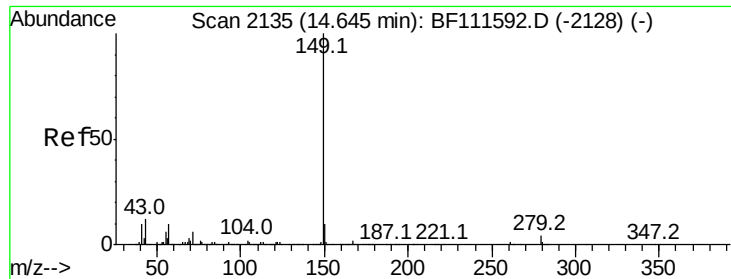
Sohil  
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 38.621 ng  
 RT: 14.04 min Scan# 2032  
 Delta R.T. 0.01 min  
 Lab File: BF111829.D  
 Acq: 3 Jan 2019 19:00

Tgt Ion:149 Resp: 798039  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 22.5 33.7  
 279 4.7 2.6 4.0#





#85

Di-n-octyl phthalate

Concen: 39.959 ng

RT: 14.65 min Scan# 2136

Delta R.T. 0.01 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampleId :

TP-5MSD

Tot Ion:149 Resp: 1279280

Ion Ratio Lower Upper

149 100

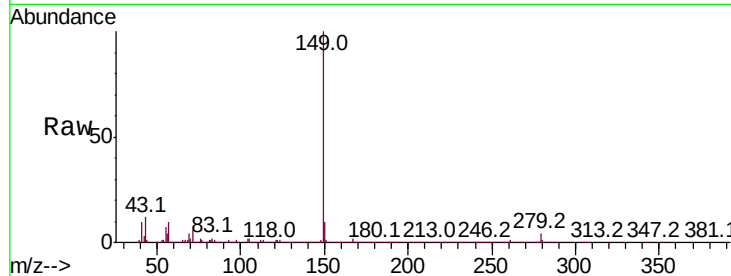
167 1.6 1.3 1.9

43 11.2 10.9 16.3

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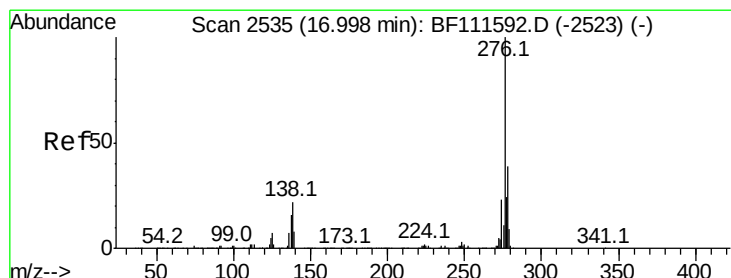
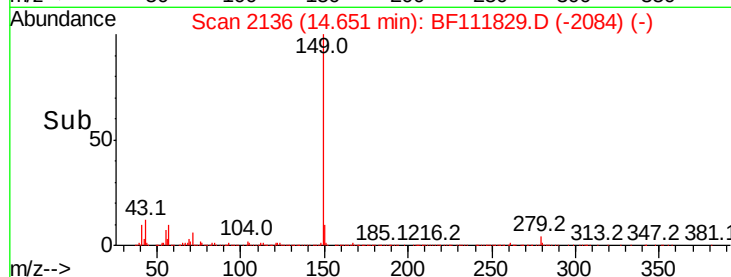
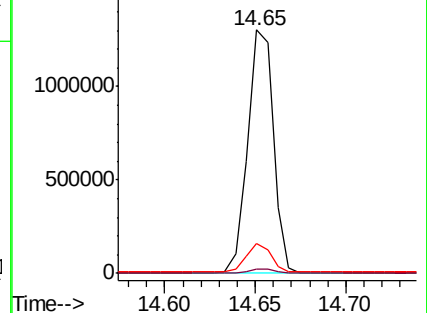
1/4/2019 9:56:44 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 26.877 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.06 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

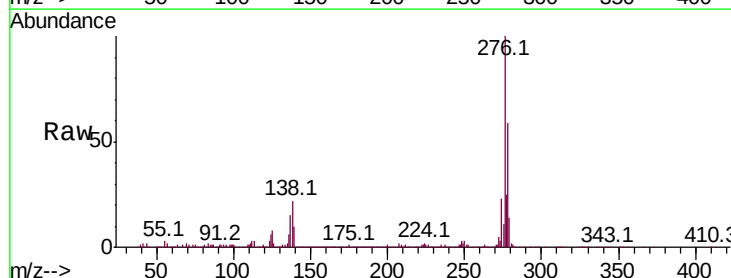
Tgt Ion:276 Resp: 730353

Ion Ratio Lower Upper

276 100

138 23.9 27.8 41.6#

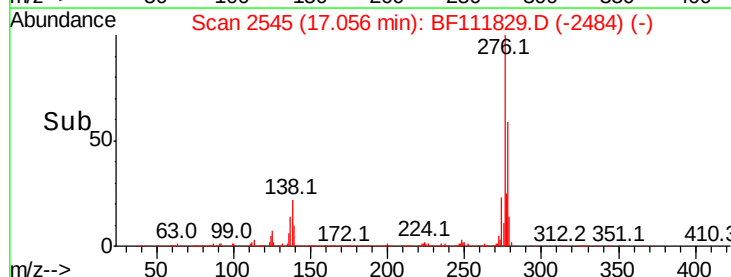
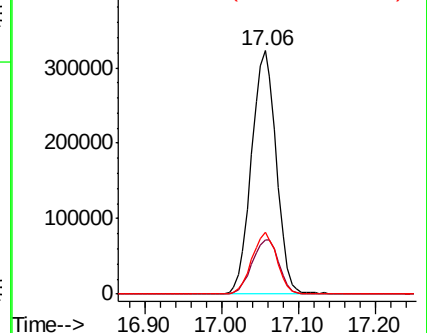
277 25.8 20.1 30.1

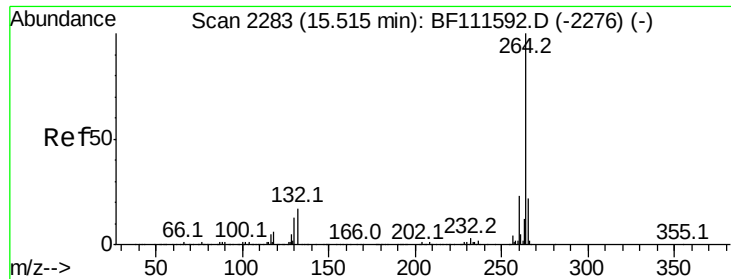


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





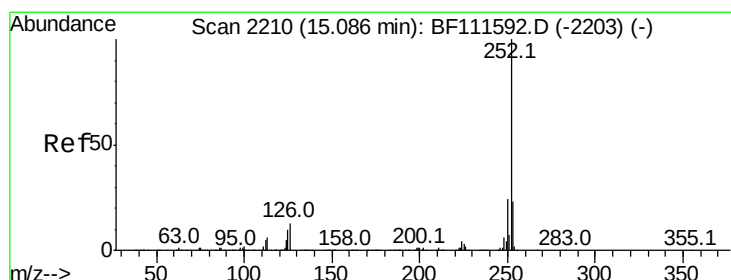
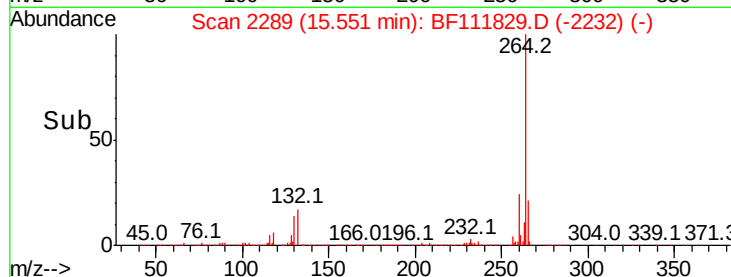
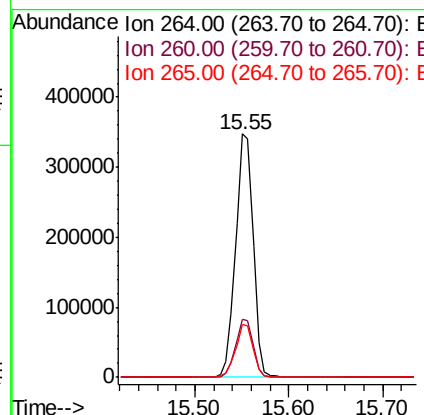
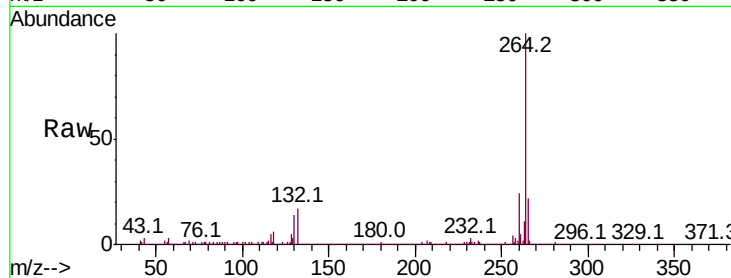
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.55 min Scan# 2289  
Delta R.T. 0.04 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.3  | 27.5  |
| 265     | 21.6  | 17.7  | 26.5  |

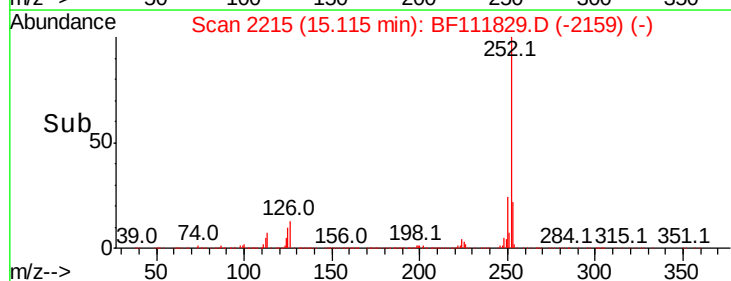
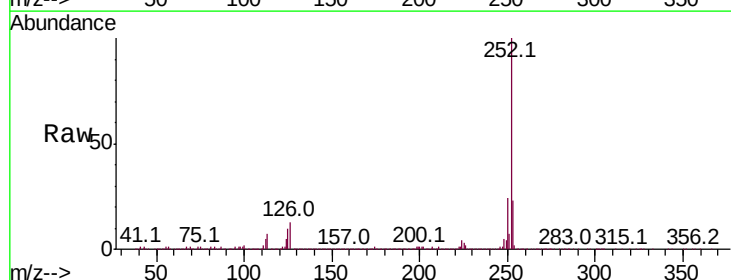
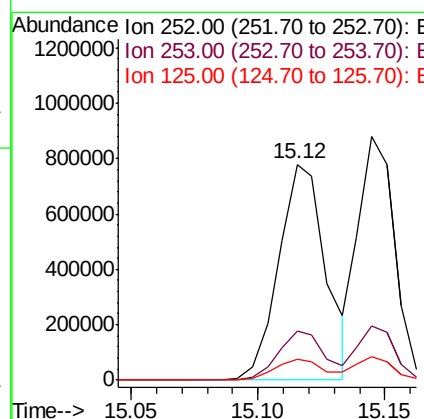
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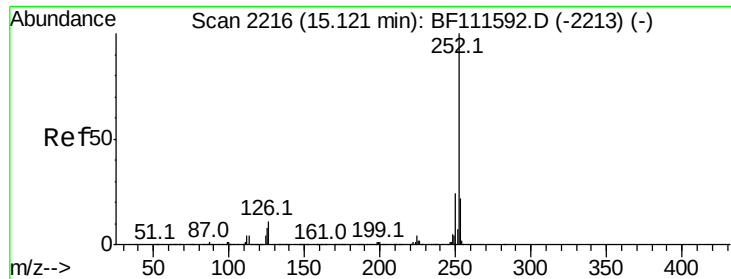


#88  
Benzo(b)fluoranthene  
Concen: 38.132 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. 0.03 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.2  | 27.2  |
| 125     | 9.7   | 10.4  | 15.6  |







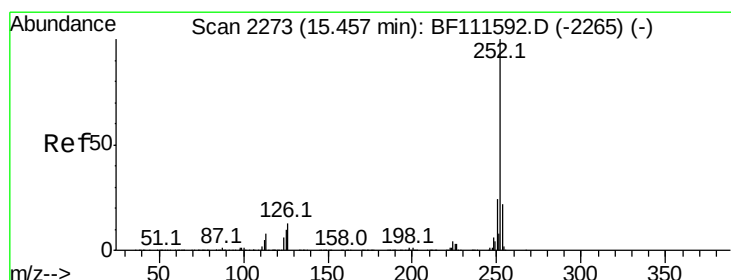
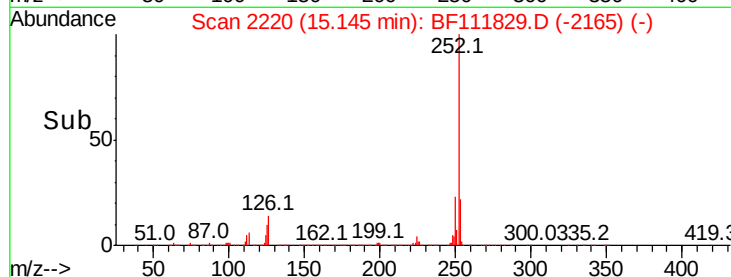
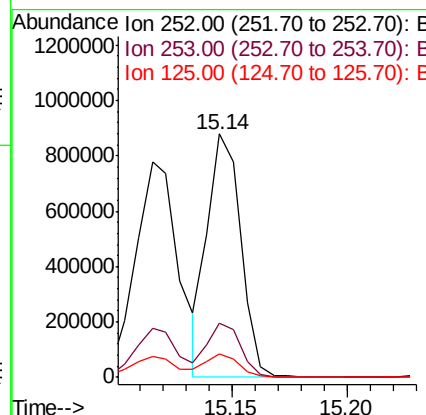
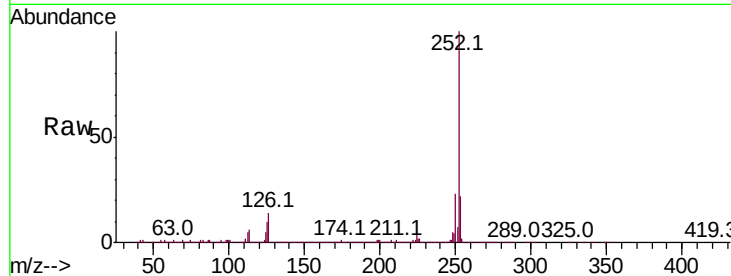
#89  
Benzo(k)fluoranthene  
Concen: 34.846 ng  
RT: 15.14 min Scan# 2220  
Delta R.T. 0.02 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.1  | 27.1  |
| 125     | 9.9   | 9.8   | 14.8  |

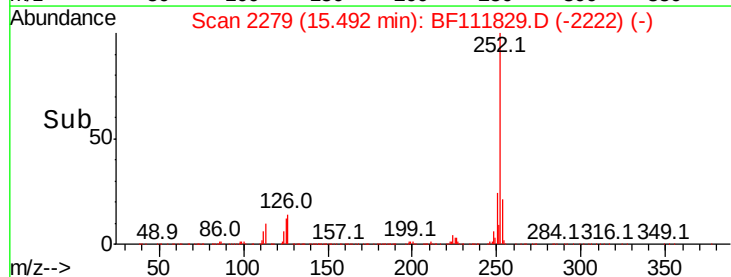
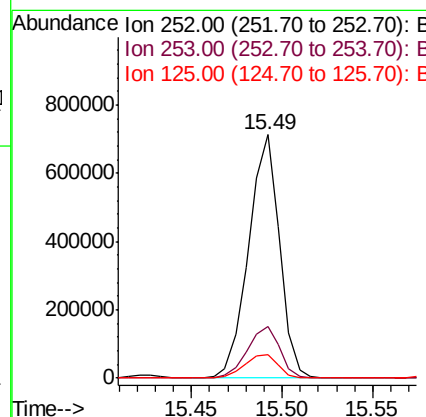
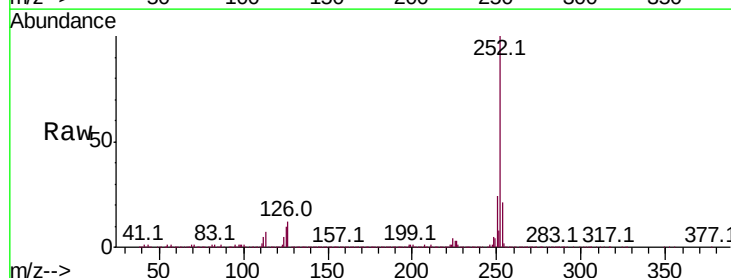
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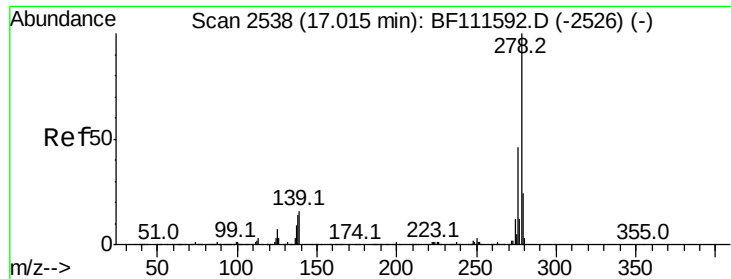
Sohil  
1/4/2019 9:56:44 AM



#90  
Benzo(a)pyrene  
Concen: 34.971 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. 0.04 min  
Lab File: BF111829.D  
Acq: 3 Jan 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 17.8  | 26.8  |
| 125     | 9.8   | 12.3  | 18.5# |





#91

Dibenzo(a,h)anthracene

Concen: 29.468 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.05 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

Instrument :

BNA\_F

ClientSampleId :

TP-5MSD

Tot Ion:278 Resp: 621127

Ion Ratio Lower Upper

278 100

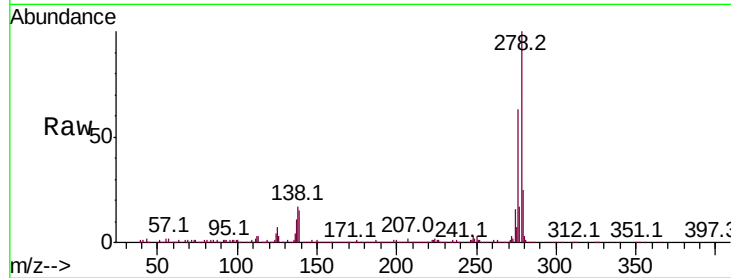
139 15.4 18.2 27.4#

279 24.7 19.0 28.6

Manual Integrations  
APPROVED

Sohil

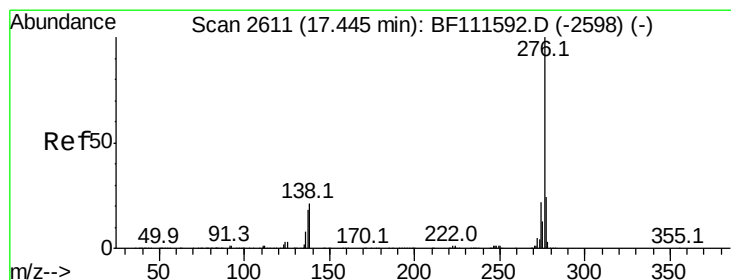
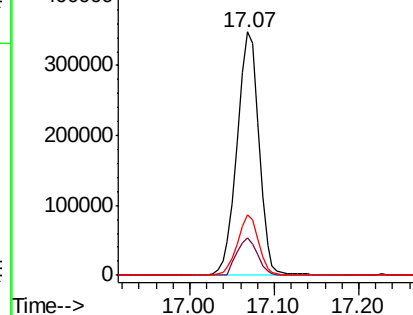
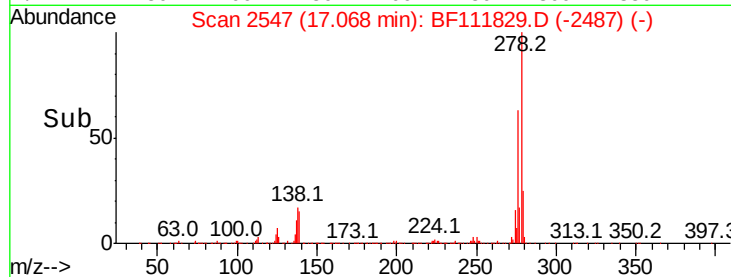
1/4/2019 9:56:44 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 28.504 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.06 min

Lab File: BF111829.D

Acq: 3 Jan 2019 19:00

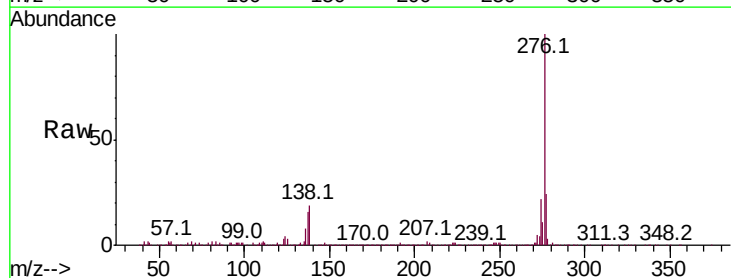
Tgt Ion:276 Resp: 586666

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 19.3 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

